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	4. ACCESSIBILITY	LESS THAN 20 DWELLIN	G UNITS. PER C				_ A
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ROJECT SUMMARY

Address	EFFICIENCY	1 BEDROOM	2-bed	3-bed	4-bed	5-bed	Total Number of Units
1. 1321-1325 Vine Street			11				11
2. 1320-1322 Republic			4	4			8
3. 519 Dandridge		2		2			4
4. 521 Dandridge		1	1	2			4
5. 523 Dandridge				3			3
6. 527 Dandridge		2		2			4
7. 1221 Jackson	1	1		2			4
8. 2155 Loth				2	1	2	5
9. 1609 Pleasant			3 *				3
10. 15 Back		1	8 *	4	1	1	15
Total	1	7	27	21	2	3	61

RAWING INDEX

A0.0a	TECTURAL COVER SHEET, GENERAL NOTES, DRAWING INDEX, LOCATION PLAN, SYMBOLS, & ABBREVIATIONS PROJECT NOTES	STRU (S1.0 S2.0
A0.1b A0.1c	OHFA LIMITED SCOPE REHABILITATION SUSTAINABILITY STANDARDS OHFA LIMITED SCOPE REHABILITATION SUSTAINABILITY STANDARDS OHFA DESIGN AND CONSTRUCTION FEATURES FORM OHFA DESIGN AND CONSTRUCTION FEATURES FORM	(PLUN) R1.0 P1.1 P1.2
0.2	TYPICAL FLOOR/CEILING ASSEMBLIES, FINISH SCHEDULE, AND NOTES	
	door schedule and notes door schedule and notes	<u>MEC</u> M1.0
A2.0 A2.1	BASEMENT, FIRST FLOOR, AND SECOND FLOOR DEMOLITION PLANS THIRD FLOOR, FOURTH FLOOR, AND ROOF DEMOLITION PLANS	M1.1 M1.2 M2.0
A3.0 A3.1 A3.2 A3.3 A3.4 A3.5	BASEMENT NEW WORK PLAN FIRST FLOOR NEW WORK PLAN SECOND FLOOR NEW WORK PLAN THIRD FLOOR NEW WORK PLANS FOURTH FLOOR NEW WORK PLAN ROOF NEW WORK PLAN	ELC ELO E1.1 E1.2 E1.3
4.0	DEMOLITION ELEVATIONS	E1.4
\5.0	NEW WORK ELEVATIONS	E2.0
A6.0	TYPICAL INTERIOR ELEVATIONS, KITCHEN CABINET INFORMATION, KITCHEN APPLIANCE SCHEDULE TYPICAL INTERIOR ELEVATIONS, BATHROOM	\sim

TYPICAL INTERIOR ELEVATIONS, BATHROOM ACCESSORIES SCHEDULE

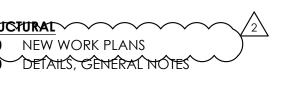
LTERNATES

THROOM WALL TILE WAINSCOT -EPLACE ISOLATED DAMAGED TILES. RESURFACE TILE AINSCOT WITH PREFERRED RESURFACING PRODUCT* PER NUFACTURER'S INSTRUCTIONS. THTUB TILE SURROUND -

- EPLACE ISOLATED DAMAGED TILES. RESURFACE TUB RROUND WITH PREFERRED RESURFACING PRODUCT* PER ANUFACTURER'S INSTRUCTIONS.
- ERNATE MEDICINE CABINET -OVIDE LARGER MEDICINE CABINET WITH INTEGRAL LIGHT: P LIGHTED SLIDING DOOR MIRROR MEDICINE CABINET, 24" x 19-1/2". HD SUPPLY, 404670. ELIMINATE NEW WALL SCONCE ABOVE BATHROOM MIRROR.

A4: NOT USED

- A5: SITE CONCRETE REPAIR AND REPLACEMENT AREAS OF SITE CONCRETE INCLUDES PREVIOUSLY REPAIRED CRACKS. CONTRACTOR TO EVALUATE CONDITION OF SITE CONCRETE TO DETERMINE REPAIR AND REPLACEMENT SCOPE OF WORK.
- A6: PROFESSIONAL DUCTWORK CLEANING -CLEAN ALL DUCTWORK.



PROJECT PHOTOS

~~~~/2\ ABING (FOR REFERENCE ONLY) - RLUMBING BASEMENPRLAN

PLUMBING FIRST AND SECOND FLOOR PLAN PLUMBING THIRD AND FOURTH FLOOR PLAN

#### CHANICAL

**I.0** MECHANICAL BASEMENT/FIRST FLOOR PLAN I.1 MECHANICAL SECOND/THIRD FLOOR PLAN **1.2** MECHANICAL FOURTH FLOOR PLAN

2.0 MECHANICAL DETAILS

#### $\sim\sim\sim\sim\sim\sim$ CTRICAL (FOR REFERENCE ONLY)

-ELECIRICAL POWER BASEMENT PLAN ELECTRICAL POWER FIRST FLOOR PLAN ELECTRICAL POWER SECOND FLOOR PLAN ELECTRICAL POWER THIRD FLOOR PLAN ELECTRICAL POWER FOURTH FLOOR PLAN

ELECTRICAL DETAILS  $\sqrt{2}$ ELECTRICAL DETAILS ~~~~~

A7: BATHROOM PEDESTAL SINKS -ALL BATHROOM PEDESTAL SINKS TO REMAIN. REPLACE

EXISTING FAUCETS. **A8: ELECTRICAL RECEPTACLES -**REPLACE EXISTING GFI RECEPTACLES ONLY. INSTALL NEW GFI RECEPTACLES IN EXISTING RECEPTACLE LOCATIONS ONLY IF REQUIRED BY CODE. ALL OTHER EXISTING RECEPTACLES TO REMAIN. ALL COVER PLATES TO BE

REPLACED WITH NEW. A9: MOTION-SENSOR LIGHTING IN BASEMENTS -CONTRACTOR TO PROVIDE MOTION-SENSOR LIGHTING IN

ALL BASEMENTS. A10: INTERIOR FINISHES FOR COMMON AREAS ONLY IN COMMON AREAS ONLY, CONTRACTOR TO PROVIDE NEW FINISHES AS INDICATED ON DRAWINGS. IN DWELLING

UNITS, CONTRACTOR TO PROVIDE NEW FINISHES ONLY IF EXISTING FINISHES ARE DAMAGED OR IMPACTED BY NEW WORK.

1. MIDWEST CHEMICALS -

PROTECTHANE 2. HAWK RESEARCH LABORATORIES,

INC. - ISOFREE PLUS

3. DIVERSIFIED COATINGS - ISOFREE



# \_\_\_\_\_ ---- Demolished \_ \_ \_ \_ \_ \_ 0-----0

## GRAPHIC SYMBOLS LEGEND

CEILING:

<u>\_\_</u>± X' - X'' A.F.F.

(##X)

UP -----

<#≻

 $\sim - *$ 

LB

LF

MAX. MECH MFR. MIN MIN. M.O.

M.R.

MW

NO. NOM. N.T.S. O.C. O.D. OPG. OZ

PLWD.

PTD. PSF

PSI

RAD. RCP

REV. R.O.

RM. SECT. SPECS

SIM. STD.

STL.

SSTL. SQ.

T.B.D.

TELE. T.M.E.

U.N.O.

VERT. V.I.F.

W/ W/D

WD.

WH W.P.

YD

WDW.

TYP.

ΤV

REF. REQ'D.

CEILING HEIGHT TAG

-FRAME AND SLAB (NUMBER)

STAIR RUN DIRECTION TAG

KEYED NOTE (SEE

DWG. NO.

DWG. NO.

— SHEET NO.

- DWG. NO.

SHEET NO.

- DWG. NO. INTERIOR

SHEET NO. TAG

**REVISION CLOUD WITH** REVISION NUMBER TAG

SHEET NO. TAG

ELEVATION

DETAIL TAG

ELEVATION

CENTERLINE

- EXISTING PROPERTY LINE
- EXISTING METAL FENCE
- EXISTING CHAIN LINK FENCE
- ---- EXISTING CONSTRUCTION TO BE
  - EXISTING CONSTRUCTION TO REMAIN
  - EXISTING PARTIAL HEIGHT WALL to remain
  - NEW WALL SEE NEW WORK PLANS
- \_\_\_\_\_\_ RATING OF THE ASSEMBLY INDICATES CHANGE IN CEILING
- HEIGHT  $\blacksquare \equiv \blacksquare$  EXISTING WINDOW TO BE REMOVED
- EXISTING WINDOW TO REMAIN NEW WINDOW
  - WINDOW TAG FOR NEW WINDOW
  - EXISTING DOOR TO BE REMOVED
  - EXISTING DOOR TO REMAIN
  - NEW DOOR
- DOOR TAG FOR NEW DOOR

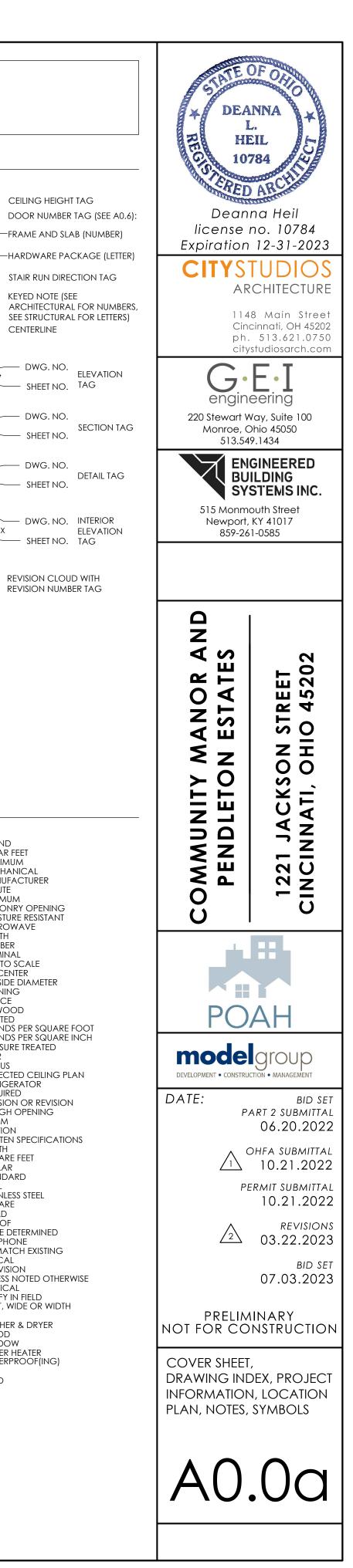
## ABBREVIATIONS LEGEND

ADJUSTABLE ABOVE FINISHED FLOOR **ALTERNATE** ALUMINUN APPROXIMATE ARCHITECT(URAL) AVERAGE BOTTOM OF BOARD BEAM BUILDING BLOCKING BASEMENT CABINET CEILING CLOSET CONCRETE MASONRY UNIT COLUMN CONCRETE CONTINUOUS CARPET CASEMENT CUBIC FEET DEEP OR DEPTH DIAMETER DIMENSION DEMOLISH OR DEMOLITION DOUBLE HUNG DOOR DISHWASHER DRAWING EACH ELECTRIC OR ELECTRICAL ELEVATION EQUAL EQUIPMENT **EXISTING** FIRE EXTINGUISHER FOUNDATION FINISH(FD) FLOORING Floor FRAMING FOOT OR FEET FOOTING GAUGE GALVANIZED GENERAL CONTRACTOR GYPSUM HIGH OR HEIGHT HOUR HARDWOOD HOLLOW METAL HEATING, VENTILATION, & AIR CONDITIONING HORIZONTAL INSIDE DIAMETER INCH(ES)

INSULATION OR INSULATED

LONG OR LENGTH

POUND LINEAR FEET MAXIMUM MECHANICAL MANUFACTURER MINUTE MINIMUM MASONRY OPENING MOISTURE RESISTANT MICROWAVE NORTH NUMBER NOMINAL NOT TO SCALE ON CENTER OUTSIDE DIAMETER OPENING OUNCE PLYWOOD PAINTED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED RISER radius REFLECTED CEILING PLAN REFRIGERATOR REQUIRED **REVISION OR REVISION** ROUGH OPENING ROOM Section WRITTEN SPECIFICATIONS SOUTH SQUARE FEET SIMILAR Standard STAINLESS STEEL SQUARE TREAD TOP OF TO BE DETERMINED TELEPHONE TO MATCH EXISTING TYPICAL TELEVISION UNLESS NOTED OTHERWISE VERTICAL VERIFY IN FIELD WEST, WIDE OR WIDTH WASHER & DRYER WOOD WINDOW WATER HEATER WATERPROOF(ING) YARD



## GENERALPROJECT NOTES

- EXISTING CONSTRUCTION AND ASSUMES NO RESPONSIBILITY WITH REGARD TO ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL.
- HIM OR HERSELF WITH THE PROPOSED WORK.
- BE REMOVED.
- STABILIZE AND SHALL INFORM THE ARCHITECT/OWNER IMMEDIATELY.
- FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.
- REMOVED AND DISCARDED IN A SAFE AND LEGAL MANNER.
- PROTECTED STATE.
- 12. NEW REPLACEMENT PLUMBING FIXTURES ARE TO BE INSTALLED. SEE PLUMBING DRAWINGS.
- PERMITTED UNDER A SEPARATE APPLICATION.
- AT 1609 PLEASANT STREET ONLY).

## PROJECT REQUIREMENTS

THE COMMUNITY MANOR AND PENDLETON ESTATES PROJECT INCLUDES THE FOLLOWING PROPERTIES (EACH SUBMITTED UNDER SEPARATE PERMIT):

- 1321-1325 VINE STREET 1320-1322 REPUBLIC STREET 519 DANDRIDGE STREET 521 DANDRIDGE STREET 523 DANDRIDGE STREET 527 DANDRIDGE STREET 1221 JACKSON STREET
- 2155 LOTH STREET 1609 PLEASANT STREET 15 BACK STREET
- SPECIFICATIONS (SHEETS A0.1a and A0.1b NOT INCLUDED).
- FEATURES AGREEMENT" (SHEETS A0.1c and A0.1d).

## ACCESSIBILITY GENERAL NOTES

- BE PROVIDED:
- UNIT.
- ENTRY DOOR (PEEP HOLE SEE DOOR SCHEDULE).

## RADON MITIGATION (DELEGATED DESIGN)

- BASEMENT.
- PASSIVE OR ACTIVE SYSTEM WITH FANS.

1. THE GENERAL CONTRACTOR (G.C.) SHALL VERIFY ALL INFORMATION IN THESE DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEPARTURES FROM THESE PLANS NOT APPROVED IN WRITING BY THE ARCHITECT. 2. THE ARCHITECT HAS MADE NO INVESTIGATION TO DETERMINE IF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL IS PRESENT IN

3. THE G.C. IS TO REVIEW THESE DRAWINGS AND VISIT THE SITE BEFORE COMMENCING THE PROJECT IN ORDER TO FAMILIARIZE

4. THE G.C. IS TO REMOVE ONLY THOSE ELEMENTS SLATED FOR DEMOLITION EITHER GRAPHICALLY OR BY NOTATION. NO OTHER ELEMENTS ARE TO BE REMOVED. IF THE CONTRACTOR QUESTIONS THE REMOVAL OF AN ELEMENT, OR IF THERE IS A CONFLICT BETWEEN THE NOTES AND THE GRAPHICS, CONTRACTOR IS TO ASK THE ARCHITECT IMMEDIATELY. 5. THE G.C. IS TO PROTECT AND SAVE BUILDING ELEMENTS CONNECTED TO, OR ADJ. TO, THOSE ELEMENTS WHICH ARE SLATED TO

6. THE G.C. SHALL NOT REMOVE ANY ELEMENTS WHICH MAY CAUSE THE STRUCTURE TO BECOME UNSTABLE, OR THAT WILL POSE A RISK TO PERSONS OR PROPERTY, EVEN IF INDICATED IN PLANS. IF ANY ELEMENTS BECOME UNSTABLE, CONTRACTOR IS TO

7. IT IS UP TO THE G.C. TO CONTINUALLY EVALUATE THE STRUCTURAL STABILITY OF THE BUILDING AND THE INTEGRITY OF ELEMENTS BOTH STRUCTURAL AND NON-STRUCTURAL THAT ARE SHOWN TO REMAIN. IF THE CONTRACTOR DETERMINES THAT SOME OF THESE ELEMENTS SHOULD BE REMOVED, HE/SHE MUST FIRST RECEIVE PERMISSION FROM THE ARCHITECT/OWNER, OR MAY BE

8. THE G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL TRASH AND DEBRIS THROUGHOUT THE WORK. ALL DEBRIS MUST BE

9. THE G.C. IS RESPONSIBLE FOR THE PROCUREMENT OF ANY ADDITIONAL MATERIALS, EQUIPMENT, AND PERMITS AND FOR ANY FEES, PENALTIES OR RENTAL COSTS ASSOCIATED WITH THE DEMOLITION WORK.

10. THE G.C. SHALL IDENTIFY, LOCATE AND PROTECT ANY ABOVE AND BELOW-GROUND UTILITIES ON SITE DURING THE COURSE OF THE DEMOLITION WORK. UPON COMPLETION, CONTRACTOR IS TO LEAVE ALL UTILITY LINES AND CONNECTIONS IN A STABLE,

11. THE G.C. IS TO PROTECT THE BUILDING FROM THE ELEMENTS, THEFT AND VANDALISM AT ALL TIMES DURING WORK.

13. NEW REPLACEMENT LIGHT FIXTURES AND ADDITIONAL NEW LIGHT FIXTURES ARE TO BE INSTALLED. NEW REPLACEMENT RECEPTACLES, SWITCHES, AND COVER PLATES ARE TO BE INSTALLED. SEE ELECTRICAL DRAWING. ELECTRICAL WORK TO BE

14. NEW REPLACEMENT HVAC UNITS AND EXHAUST FANS TO BE INSTALLED. SEE MECHANICAL DRAWINGS. 15. PROVIDE SHOP DRAWINGS FOR CABINETS, COUNTERTOPS, RAILINGS AND EXTERIOR STAIR REPAIR WORK (EXTERIOR STEEL STAIR

16. PROVIDE SUBMITTALS FOR ALL NEW ARCHITECTURAL, STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL ITEMS.

1. THE PROJECT IS PURSUING FEDERAL HISTORIC TAX CREDITS. REFER TO THE APPROVED HISTORIC PART TWO NARRATIVE AND SUBSEQUENT APPROVED AMENDMENTS. ALL CHANGES TO WORK PROPOSED IN THE DRAWINGS AND THE HISTORIC PART TWO AND AMENDMENT DOCUMENTATION IS TO BE REVIEWED BY ARCHITECT TO DETERMINE IF PERMITTED BY THE STATE HISTORIC PRESERVATION OFFICE (SHPO) AND NATIONAL PARK SERVICE (NPS). AN AMENDMENT TO MAY BE REQUIRED.

2. THIS PROJECT WILL COMPLY WITH THE OHFA LIMITED SCOPE REHABILITATION SUSTAINABILITY STANDARDS. REFER TO WRITTEN

3. THIS PROJECT IS DESIGNED TO COMPLY WITH AND IS TO BE CONSTRUCTED TO COMPLY WITH THE "DESIGN AND CONSTRUCTION

1. SENSORY IMPAIRED UNITS: (15 BACK STREET - UNIT 9 BACK (SHEET A3.1) AND 1609 PLEASANT STREET - UNIT 1 (SHEET A3.1) - AS REQUIRED FOR OHFA FUNDED PROJECTS, TWO (2) UNITS (EQUAL TO 2% OF ALL UNITS) ARE TO BE SENSORY COMPATIBLE FOR PERSONS WITH SIGHT AND HEARING DISORDERS. THE FOLLOWING COMMUNICATION FEATURES WILL

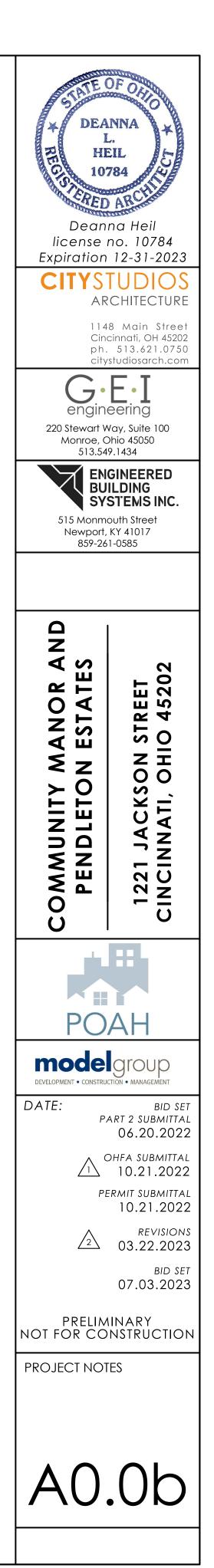
HARD-WIRED ELECTRIC DOORBELL WHICH INITIATES AN AUDIBLE TONE AND VISUAL SIGNAL WITHIN THE DWELLING

• RESIDENTIAL DWELLING UNIT SMOKE DETECTION WITH AUDIBLE AND VISUAL SIGNAL DEVICES. SUCH SIGNAL DEVICES MUST NOT BE USED FOR ANY OTHER PURPOSE. • MEANS FOR VISUALLY IDENTIFYING A VISITOR (WITH A 180 DEGREE RANGE OF VIEW) WITHOUT OPENING UNIT

1. RADON MITIGATION SYSTEMS ARE TO BE PROVIDE FOR ALL BUILDINGS - DELEGATED DESIGN.

2. PROVIDE SHOP DRAWINGS SHOWING PROPOSED ROUTING. NO EXPOSED PIPING IN OCCUPIABLE SPACES ABOVE THE

3. COORDINATE W/ OWNER FOR SYSTEM REQUIREMENTS. TESTING TO BE PERFORMED TO DETERMINE IF SYSTEM WILL BE 4. PROVIDE POWER TO ROOF FOR POSSIBLE FUTURE RADON FANS - SEE ELECTRCIAL DRAWINGS, AND COORDINATE LOCATIONS AND QUANTITY OF FUTURE FANS W/ ELECTRICAL CONTRACTOR AND RADON CONTRACTOR.



| K. Enterprise Green Communities                                                                                                                                                                    | bypass sealing are determined by the size and location of the bypass. These materials                                                                                                   |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <ul> <li>J. Ohio Housing Finance Agency</li> <li>1. Limited Scope Rehabilitation Sustainability Standard</li> </ul>                                                                                | Stopped." "Essentially Stopped" means that air leakage will not be detected by an infrared scan when the house or dwelling unit is depressurized at 25 Pascals. Materials used for      |                                                                                                                             |
| 3. EPA 402-K-01-002 – A Step-by-Step Guide on how to Build Radon-Resistant Homes                                                                                                                   | E. Attic bypasses are sealed in such a manner that the movement of air is "Essentially                                                                                                  |                                                                                                                             |
| <ol> <li>EPA Baseline IAQ - Testing for Indoor Air Quality, Baseline IAQ, and Materials Section<br/>01445.</li> </ol>                                                                              | conducting of the test. Additional inspections necessary due to incomplete work shall be<br>back-charged to the Contractor.                                                             |                                                                                                                             |
| Pollution Prevention Plans and Best Management Practices.                                                                                                                                          | the Green Verifier. Contractor shall provide access to each unit and cooperate with                                                                                                     |                                                                                                                             |
| <ol> <li>U.S. Environmental Protection Agency:</li> <li>1. EPA 832-R-92-005 - Storm Water Management for Construction Activities: Developing</li> </ol>                                            | detect any leaks in the attic. Contractor shall notify the Architect and Green Verifier<br>immediately. Contractor shall schedule the inspection with no less than two weeks' notice to |                                                                                                                             |
| Applications.<br>I. U.S. Environmental Protection Agency:                                                                                                                                          | conduct a infrared scan when the house or dwelling unit is depressurized at 25 Pascals to                                                                                               |                                                                                                                             |
| H. South Coast Air Quality Management District: SCAQMD Rule 1168 - Adhesive and Sealant                                                                                                            | D. Attic Bypass Inspection – The Green Rater will conduct a visual Attic Bypass Inspection and                                                                                          |                                                                                                                             |
| G. Sheet Metal and Air Conditioning Contractors: SMACNA IAQ - IAQ Guidelines for Occupied<br>Buildings under Construction.                                                                         | 9. attic access points                                                                                                                                                                  |                                                                                                                             |
| F. Green Seal: GS-11 - Product Specific Environmental Requirements.                                                                                                                                | 8. electrical work and                                                                                                                                                                  |                                                                                                                             |
| E. Forest Stewardship Council: FSC Guidelines- Forest Stewardship Council Guidelines.                                                                                                              | 7. around ductwork                                                                                                                                                                      |                                                                                                                             |
| D. Carpet and Rug Institute: CRI Green Label Testing Program.                                                                                                                                      | 6. beneath knee walls                                                                                                                                                                   |                                                                                                                             |
| C. Bay Area Air Quality Management District: BAAQMD Regulation 8, Rule 51 - Adhesive and<br>Sealant Products.                                                                                      | <ol> <li>dropped ceilings</li> <li>open plumbing walls</li> </ol>                                                                                                                       |                                                                                                                             |
| Transmittance of Materials Using Integrating Spheres.                                                                                                                                              | 3. open wall tops                                                                                                                                                                       |                                                                                                                             |
| 2. ASTM E903 - Standard Test Method for Solar Absorption, Reflectance, and                                                                                                                         | 2. combustion/soil stack chases                                                                                                                                                         |                                                                                                                             |
| Inspection-Meter Techniques.                                                                                                                                                                       | 1. chimney chases,                                                                                                                                                                      |                                                                                                                             |
| 1. ASTM E408 - Standard Test Methods for Total Normal Emittance of Surfaces Using                                                                                                                  | minimize envelope leakage:                                                                                                                                                              |                                                                                                                             |
| 4. ASHRAE 129 - Measuring Air-Change Effectiveness.<br>B. ASTM International:                                                                                                                      | C. Attic Air Sealing – where applicable: the following areas of building (but not limited to)<br>envelope and demising walls shall be sealed, caulked, gasketed, or weather-stripped to |                                                                                                                             |
| Buildings.<br>4. ASHRAE 129 - Measuring Air-Change Effectiveness.                                                                                                                                  | C Attio Air Scaling , where applicables the following areas of building (but not limited to)                                                                                            |                                                                                                                             |
| <ol> <li>ASHRAE 62 - Ventilation for Acceptable Indoor Air Quality.</li> <li>ASHRAE 90.1 - Energy Efficient Design of New Buildings except Low-Rise Residential</li> </ol>                         | PERFORMANCE TESTING & INSPECTIONS                                                                                                                                                       |                                                                                                                             |
| Efficiency by Particle Size.                                                                                                                                                                       |                                                                                                                                                                                         |                                                                                                                             |
| <ul> <li>A. American Society of Heating, Refrigerating and Air-Conditioning Engineers:</li> <li>1. ASHRAE 52.2 - Method of Testing General Ventilation Air-Cleaning Devices for Removal</li> </ul> | <ul> <li>B. Thoroughly review any requests for substitution for products that are related to the standard.<br/>Any substitutions may jeopardize compliance.</li> </ul>                  |                                                                                                                             |
| REFERENCES                                                                                                                                                                                         | Standard worksheet included at the end of this section.                                                                                                                                 |                                                                                                                             |
|                                                                                                                                                                                                    | A. Perform work in accordance with requirements of Limited Scope Rehabilitation Sustainability                                                                                          |                                                                                                                             |
| guide the construction team with certification process; review documentation, verify green<br>requirements are met; and to perform third-party testing and inspections.                            | LIMITED SCOPE REHABILITATION SUSTAINABILITY STANDARD                                                                                                                                    |                                                                                                                             |
| for Green certifications. Pertinent to green certifications the role of the Green Rater/Verifier is to                                                                                             |                                                                                                                                                                                         |                                                                                                                             |
| B. Contractor shall coordinate work and requirements with Owner Contracted Green Rater/Verifier                                                                                                    | PART 3 EXECUTION                                                                                                                                                                        |                                                                                                                             |
| <ul> <li>Project must comply with requirement of the Limited Scope Rehabilitation Sustainability<br/>Standard as prescribed by the Ohio Housing Finance Agency.</li> </ul>                         | to obtain certification.                                                                                                                                                                | END OF SECTION 018113                                                                                                       |
| 1. Sustainable Project Goals:                                                                                                                                                                      | Communities prerequisites and credits. Any substitutions may jeopardize the project's ability                                                                                           |                                                                                                                             |
| A. Section includes:                                                                                                                                                                               | A. Thoroughly review any requests for substitution for products that are related to Green                                                                                               |                                                                                                                             |
| WORK OF THIS SECTION                                                                                                                                                                               | PRODUCT SUBSTITUTION                                                                                                                                                                    |                                                                                                                             |
| most stringent is a requirement of all Divisions of work.                                                                                                                                          | PART 2 PRODUCTS                                                                                                                                                                         | A. Limited Scope Rehabilitation Sustainability Standard worksheet                                                           |
| B. The requirements of State, Local or appropriate codes applicable to the work, whichever is the                                                                                                  |                                                                                                                                                                                         | ENCLOSURES                                                                                                                  |
| Conditions and any Instructions to Bidders shall apply to all Divisions of work.                                                                                                                   | prescribed by the Ohio Housing Finance Agency                                                                                                                                           |                                                                                                                             |
| A. The General Conditions, Modifications to General Conditions, Supplementary or Special                                                                                                           | 1. Perform work in accordance with the Limited Scope Rehabilitation Sustainability Standard as                                                                                          | back-charged to the contractor.                                                                                             |
| GENERAL CONDITIONS                                                                                                                                                                                 | QUALITY ASSURANCE                                                                                                                                                                       | conducting of the test. Additional inspections necessary due to incomplete work shall be<br>back-charged to the Contractor. |
| PART 1 GENERAL                                                                                                                                                                                     | product.                                                                                                                                                                                | date for such inspection. Contractor shall provide access to each unit and cooperate with                                   |
|                                                                                                                                                                                                    | Rater/Verifier. All review comment will be returned to the Architect for final approval fo the                                                                                          | The contractor shall notify the Green Rater at least four (4) weeks prior to the anticipated                                |
| Community Manor and Pendleton Estates                                                                                                                                                              | A. The contractor shall submit products related to sustainability requirements to the Green                                                                                             | will conduct a visual Final Inspection to verify green requirements incorporated in the project.                            |
| SUSTAINABILITY DESIGN REQUIREMENTS                                                                                                                                                                 | SUBMITTALS                                                                                                                                                                              | F. Final Inspections - Upon substantial completion and prior to occupancy, the Green Verifier                               |
|                                                                                                                                                                                                    | https://www.energystar.gov/sites/default/files/ES%20NPR%20v85%202018-05-16_clean.pdf                                                                                                    | board, sheet metal, extruded polystyrene insulation and densely packed insulation.                                          |
| SECTION 018113                                                                                                                                                                                     | L. ENERGY STAR Qualified Homes Program Requirements                                                                                                                                     | include high quality caulking with 20-yr life span, polyethylene rod stock, spray foam, gypsum                              |

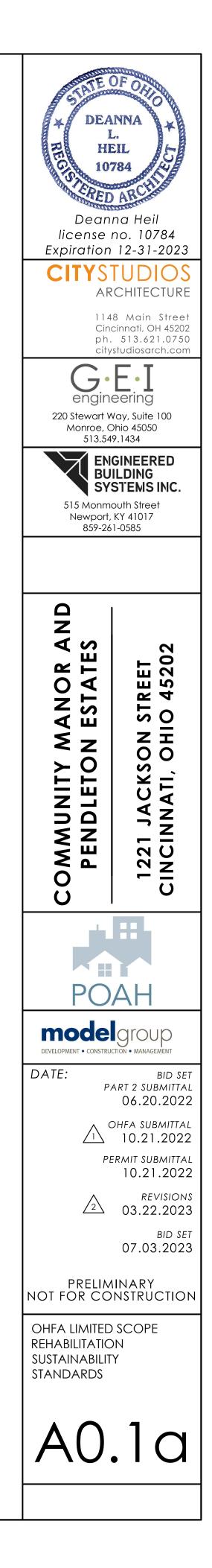
|                                                                                                                                                 | tter from                                                                                                                                                                                                                                                     | PROPOSAL APPLICATION                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                 | unity Partners and the<br>servation and Development                                                                                                                                                                                                           | The Eligibility section of this document clarifies which properties share than the more comprehensive OHFA Green Standards. The document describes the mandatory measures for each project. To                                                                                                                                                            |
| he affordable housing industry. The green bu                                                                                                    | as long promoted sustainability best practices in<br>ilding certification programs that OHFA supports<br>orthcoming Design & Architectural Standards are                                                                                                      | time of project application, project teams will complete the Project<br>form, the Requirements chart, provide any additional information v<br>Comments section and sign and date the Project Application: Con<br>Certification section. Project teams will include this completed and<br>project application for Non-Competitive Housing Tax Credits to O |
|                                                                                                                                                 | ertification is achieved, ensure our properties are                                                                                                                                                                                                           | At the completion of the development, the project team will update<br>upon project application. This update will consist of initialing the fa                                                                                                                                                                                                             |
| roperties with modest scopes of work may r<br>or new construction and extensive rehabilitat<br>chabilitations do still present opportunities to | early all systems of a property, retrofitting existing<br>ot qualify under these rigorous standards designed<br>ions. However, these "limited scope"<br>improve energy and water efficiency, durability<br>stablished criteria to follow, limited scope rehab | Requirements chart to indicate that the item was included in the project Completion: Comments section, desc<br>signing and dating the Project Completion: Compliance Agreement<br>The project team will submit this form as part of the 8609 form req                                                                                                     |
| roperties lack sufficient guidance to achieve<br>vith this in mind, Enterprise Green Commun                                                     | these impactful cost and energy savings.                                                                                                                                                                                                                      | Eligibility<br>These Limited Scope Rehabilitation Sustainability Requirements a                                                                                                                                                                                                                                                                           |
| ffective level of sustainability as described w                                                                                                 | properties to achieve a meaningful and cost-<br>within this document. Enterprise's leadership and<br>orts to create this alternate pathway represent a<br>hitectural discipline.                                                                              | single family rehabilitation projects requesting and receiving Ohio<br>(OHFA) Non-Competitive Housing Tax Credits that are neither new<br>rehabilitation. At OHFA's discretion, new construction buildings or<br>rehabilitation are required to follow the more comprehensive Gree                                                                        |
| Ve thank all those who submitted public com<br>prward to incorporating this document into or<br>respectfully Submitted,                         | ments that shaped the final draft, and OHFA looks<br>ur Design & Architectural Standards guide.                                                                                                                                                               | the Qualified Allocation Plan (QAP) and/or the Design & Architectu<br>these requirements may be further restricted or modified in OHFA<br>including but not limited to the QAP, the Design & Architectural St<br>Housing Development Assistance Program guidelines.                                                                                       |
| RKC                                                                                                                                             | Kirstelger                                                                                                                                                                                                                                                    | Project Information<br>Project Name and Location Community Manor &<br>OH                                                                                                                                                                                                                                                                                  |
| elan Craig                                                                                                                                      | Krista Egger                                                                                                                                                                                                                                                  | Brief Description of Scope of Work Community Manor & the rehabilitation of 10 buildings with a total of 61 apartment units.                                                                                                                                                                                                                               |
| hio Housing Finance Agency<br>irector of Planning, Preservation and<br>evelopment                                                               | Enterprise Community Partners, Inc., Director,<br>Green Communities                                                                                                                                                                                           | masonry repairs, new entry doors, and new windows. Interior work<br>cabinets and appliances, bathroom fixtures, doors, and wall / ceilir<br>will also include new HVAC (existing ductwork to remain), new ligh                                                                                                                                            |
|                                                                                                                                                 | Elizabeth Richards                                                                                                                                                                                                                                            | and cover plates, and new water heaters.                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                 | Elizabeth Richards                                                                                                                                                                                                                                            | Compliance                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                 | Enterprise Community Partners, Inc.<br>Senior Program Director, Ohio                                                                                                                                                                                          | Development teams should complete a walk-through audit when on<br>in order to ensure all requirements can be met. It is the responsibite<br>all items noted as "Yes" within the Requirements form are incorport<br>the time of construction completion.                                                                                                   |
| 1g Finance Agency                                                                                                                               |                                                                                                                                                                                                                                                               | in order to ensure all requirements can be<br>all items noted as "Yes" within the Requirer                                                                                                                                                                                                                                                                |

| ICATION                                                                                                                                                                                                                                             | Requirements<br>At Project Application:                                                                                                                                      |                                                                                                                  |                      |             |                           |     | Building<br>H                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------|-------------|---------------------------|-----|--------------------------------------------------------------|
| nent clarifies which properties should follow this pathway<br>ve OHFA Green Standards. The Requirements section of this<br>y measures for each project. To confirm compliance at the<br>teams will complete the Project Information section of this | <ul> <li>If the proposed scope of work includes the</li> <li>If the proposed scope of work includes the</li> <li>If the item is not included in the scope of work</li> </ul> | item and a                                                                                                       | plicable             |             |                           |     | If any Heating, V<br>system or item is<br>efficiencies as de |
| vide any additional information within the Project Application:<br>ate the Project Application: Compliance Agreement and                                                                                                                            | At Project Completion, certify that the scope was in                                                                                                                         |                                                                                                                  |                      | gned by ii  | ncluding initials         |     | Cooling equip                                                |
| s will include this completed and signed document in their etitive Housing Tax Credits to OHFA staff.                                                                                                                                               | in the far right column.                                                                                                                                                     |                                                                                                                  |                      |             |                           |     |                                                              |
| ent, the project team will update the form that was submitted                                                                                                                                                                                       |                                                                                                                                                                              | and the second | ect App<br>rding Pro | lication,   | At Project<br>Completion, |     | □ Oil Furnace ≥                                              |
| ate will consist of initialing the far-right column of the                                                                                                                                                                                          |                                                                                                                                                                              | 77.0                                                                                                             | ope of V             |             | Initials                  |     | □ Boiler ≥ 90 AF                                             |
| at the item was included in the property as designed, adding pletion: Comments section, describing any discrepancies and                                                                                                                            | Item and Question                                                                                                                                                            |                                                                                                                  |                      |             | Certifying<br>Scope Was   |     | ☐ Heat Pump sh                                               |
| npletion: Compliance Agreement and Certification section.                                                                                                                                                                                           |                                                                                                                                                                              | No                                                                                                               | Yes                  | N/A         | Executed As               |     | Gas Water He                                                 |
| orm as part of the 8609 form request.                                                                                                                                                                                                               |                                                                                                                                                                              |                                                                                                                  |                      |             | Designed.                 |     | 30 gal: .6<br>60 gal: .5                                     |
|                                                                                                                                                                                                                                                     | Landscaping                                                                                                                                                                  |                                                                                                                  |                      | $\boxtimes$ |                           |     | Electric Water                                               |
| on Sustainability Requirements apply to all multifamily and<br>s requesting and receiving Ohio Housing Finance Agency's<br>Tax Credits that are neither new construction nor a gut                                                                  | If being provided, will all new plants be native or a new plants be appropriate for the site's soil and m                                                                    |                                                                                                                  |                      |             |                           |     | 30 gal: .9<br>60 gal: .9                                     |
| n, new construction buildings or buildings undergoing a gut                                                                                                                                                                                         | the new plants be invasive species?                                                                                                                                          |                                                                                                                  |                      |             |                           |     | □ Oil Water Hea                                              |
| v the more comprehensive Green Standards as described in<br>e) and/or the Design & Architectural Standards. Applicability of<br>r restricted or modified in OHFA's program guidelines                                                               | Efficient Irrigation and Water Reuse                                                                                                                                         |                                                                                                                  |                      |             |                           |     | 30 gal: .5<br>60 gal: .4                                     |
| P, the Design & Architectural Standards and the Consolidated<br>Program guidelines.                                                                                                                                                                 | If a new irrigation system is included, will it be an WaterSense), and/or will there be a water reuse s                                                                      |                                                                                                                  | stem (EF             | A           |                           |     | Building<br>I                                                |
| Community Manor & Pendleton Estates, Cincinnati                                                                                                                                                                                                     | Water Conserving Fixtures                                                                                                                                                    |                                                                                                                  |                      |             |                           |     | Will all HVAC sys                                            |
| Community Manor & Pendleton Estates includes                                                                                                                                                                                                        | Will all plumbing fixtures remaining in the property                                                                                                                         |                                                                                                                  |                      |             |                           |     | Hot Water Boi<br>automatically adj                           |
| ith a total of 61 apartment units. Exterior work includes                                                                                                                                                                                           | the following max flow rates? [Note: Fixtures less<br>not scheduled for replacement are exempt from the                                                                      | Strength and strength and the strength                                                                           |                      |             |                           |     | Exposed Boile                                                |
| and new windows. Interior work includes new kitchen<br>n fixtures, doors, and wall / ceiling repair and paint. New work                                                                                                                             | provide rationale for not replacing these fixtures,                                                                                                                          |                                                                                                                  |                      |             |                           |     | ⊠ Ductwork carr                                              |
| ng ductwork to remain), new light fixtures, new outlets, switch                                                                                                                                                                                     | fixtures and their gpf/gpm spec, in the Comments                                                                                                                             | section]:                                                                                                        |                      |             |                           |     | to allow access a                                            |
| ieaters.                                                                                                                                                                                                                                            | ⊠ Toilets ≤ 1.28 gpf & WaterSense label                                                                                                                                      |                                                                                                                  |                      |             |                           |     | ⊠ Domestic hot<br>Completion confi                           |
| ete a walk-through audit when developing application budgets                                                                                                                                                                                        | □ Urinals ≤ 0.5 gpf & WaterSense label                                                                                                                                       |                                                                                                                  |                      |             |                           |     | ☑ Forced air sys                                             |
| s can be met. It is the responsibility of the owner to ensure that                                                                                                                                                                                  | ⊠ Showerheads ≤ 2.0 gpm & WaterSense label                                                                                                                                   |                                                                                                                  |                      |             |                           |     | years                                                        |
| Requirements form are incorporated fully into the project by<br>n.                                                                                                                                                                                  |                                                                                                                                                                              |                                                                                                                  |                      |             |                           |     | □ Insulated cove                                             |
|                                                                                                                                                                                                                                                     | ⊠ Kitchen faucets ≤ 2.0 gpm                                                                                                                                                  |                                                                                                                  |                      |             |                           |     | (AC) sleeves. Th<br>tightly to the wall                      |
|                                                                                                                                                                                                                                                     | ⊠ Lav faucets ≤ 1.5 gpm & WaterSense label                                                                                                                                   |                                                                                                                  |                      |             |                           |     |                                                              |
|                                                                                                                                                                                                                                                     | Lav faucets ≤ 1.5 gpm & WaterSense label Ohio Housing Finance Agency                                                                                                         |                                                                                                                  |                      |             |                           | Ohi | o Housing Finance Agency                                     |



## **Limited Scope** Rehabilitation Sustainability **Standards**

| ding Performance Standard,<br>HVAC Equipment                                                                           |             |            |         |
|------------------------------------------------------------------------------------------------------------------------|-------------|------------|---------|
| g, Ventilating and Air Conditioning (HVA<br>m is being upgraded or replaced, will it/<br>s described below?            |             |            |         |
| quipment ≥ 13 SEER                                                                                                     |             |            |         |
| ace ≥ 95 AFUE (Roof Top 90 AFUE)                                                                                       |             |            |         |
| e ≥ 85 AFUE, ENERGY STAR                                                                                               |             |            |         |
| AFUE, ENERGY STAR                                                                                                      |             |            |         |
| p shall be ENERGY STAR Qualified                                                                                       |             |            |         |
| r Heater ≥ these efficiencies:                                                                                         |             |            |         |
| l: .63 EF, 40 gal: .61 EF, 50 gal: .59 EF<br>l: .57 EF, 70 gal: .55 EF, 80 gal: .53 EF                                 |             |            |         |
| ater Heater ≥ these efficiencies:                                                                                      |             |            |         |
| l: .94 EF, 40 gal: .93 EF, 50 gal: .92 EF<br>l: .91 EF, 70 gal: .90 EF, 80 gal: .89 EF                                 |             |            |         |
| Heater ≥ these efficiencies:<br>l: .55 EF, 40 gal: .53 EF, 50 gal: .51 EF<br>l: .49 EF, 70 gal: .47 EF, 80 gal: .45 EF |             |            |         |
| ling Performance Standard,<br>HVAC Installation                                                                        |             |            |         |
| systems meet the following requireme                                                                                   | nts?        |            |         |
| Boiler Space Heating: Outdoor air rese<br>adjust supply water temperature                                              | et controls | s installe | ed to   |
| Boiler Pipes: Insulated in compliance wi                                                                               | th ASHR     | AE 90.1    | -2010   |
| carrying conditioned air in pitched roof a ss are insulated minimum R-Value of R                                       |             | n enougł   | n space |
| hot water boiler and space heating boile<br>onfirmed within the past five years                                        | er system   | n tune-up  | DS:     |
| system tune-ups: Completion confirme                                                                                   | d within t  | the past   | two     |
|                                                                                                                        |             |            |         |
| covers provided for existing or new thro<br>. These covers fit the AC sleeves and A<br>wall.                           | C units p   | лорену     |         |
| These covers fit the AC sleeves and A                                                                                  | ∖C units p  | Jopeny     |         |
| These covers fit the AC sleeves and A                                                                                  | \C units p  |            |         |
| These covers fit the AC sleeves and A                                                                                  | C units p   |            |         |
| These covers fit the AC sleeves and A                                                                                  | ∖C units p  |            |         |



| UILI               | ng of Heating and Cooling Equ                                                                                      | ipment                      |             |            |             |  | Lightin                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|------------|-------------|--|----------------------------------------------------------------------------------------------|
| new eo             | C equipment is being replaced, ra<br>uipment be sized in accordance v<br>rica (ACCA) Manuals parts J and           | vith the Air                |             |            |             |  | If new light fixtures are provi<br>lumens per watt or ENERGY<br>ENERGY STAR MFHR (20         |
|                    | Building Performance Standar<br>Exterior Wall Insulation                                                           | ·d,                         |             |            | $\boxtimes$ |  | consist of all LED lamps?                                                                    |
| nsulat             | jects with exterior walls with a cay<br>on, will those exterior walls be ins<br>less than five percent of insulate | ulated to ca                |             |            | ation       |  | Low/No VOC Pain<br>If provided, will the paints ar                                           |
|                    | Building Performance Standar<br>Attic Insulation and Air Sealir                                                    | d,                          |             |            |             |  | VOC levels in grams per lite<br>Quality Management Distric<br>flats ≤ 50 g/L, Floor ≤ 100 g/ |
|                    | erties with pitched-roof attics with<br>wing insulation and attic bypass                                           |                             |             |            |             |  | 275 g/L                                                                                      |
| proper             | es with pitched-roof attics withou                                                                                 | t enough sp                 | ace to a    | llow acce  | ess,        |  | Low/No VOC Adhesi                                                                            |
| "enoug             | e access issues in Comments sp<br>n space" is defined as attics ≥ 30<br>ning of at least 22"x30"]:                 |                             |             |            |             |  | If new adhesives or sealant<br>maximum VOC limits (G/L):                                     |
| follows            | s insulated to a minimum code R-<br>In electrically heated properties<br>gas-heated properties with existin        | with existing               | g insulatio | on less tl | nan R39     |  | □ Indoor carpet adhesives                                                                    |
| existin<br>insulat | insulation, follow the BPI Buildin<br>on R-Value which assumes R-3.7                                               | g Analyst S<br>/in for blow | tandards    | s and typi | cal         |  | □ Carpet pad adhesives of                                                                    |
| for un-            | aced, unmarked batt installation).                                                                                 |                             |             |            |             |  | Outdoor carpet adhesive                                                                      |
| added.             | bypasses air sealing in propertie<br>Bypass is defined as any building                                             | air leakage                 | e pathwa    | y betwee   | en          |  | U Wood flooring adhesives                                                                    |
|                    | ned and unconditioned areas. At<br>ted to chimney chases, combusti                                                 |                             |             |            |             |  | □ Rubber flooring adhesive                                                                   |
|                    | d ceilings, open plumbing walls, b<br>al work and attic access points. A                                           |                             |             |            |             |  | □ Subfloor adhesives of 50                                                                   |
| Stoppe             | that the movement of air is "Ess<br>d" means that air leakage will not<br>he house or dwelling unit is depre       | be detected                 | d by an ii  | nfrared s  | can         |  | Ceramic tile adhesives o                                                                     |
| used for           | r bypass sealing are determined<br>. These materials include high qu                                               | by the size                 | and loca    | tion of th | е           |  | oxtimes VCT and asphalt tile adh                                                             |
| polyeth            | ylene rod stock, spray foam, gyps<br>ene insulation and densely packe                                              | sum board,                  | sheet me    |            |             |  | ⊠ Drywall and panel adhes                                                                    |
| 11 <b>B</b>        | Appliances                                                                                                         |                             |             |            |             |  | ☑ Multipurpose construction                                                                  |
|                    | ers, dishwashers and/or refrigera                                                                                  | tors are bei                | ng provid   | ded, are t | hese        |  | Structural glazing adhesi                                                                    |

| If "No" is selected for any                                                         | <b>tion: Comments</b><br>/ of the Items above, provide an explanation here. Also, if not replacing<br>r rationale, along with the quantity of fixtures in the project and their                                                                                                                                                | <b>Project Complet</b><br>At the completion of the developm<br>application. This update will consist<br>chart to indicate that the item was                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| "No" in the Requirements these items has been pro                                   |                                                                                                                                                                                                                                                                                                                                | the PROJECT COMPLETION: CO<br>and dating the PROJECT COMPL<br>section. Submit this form as part of<br><b>Project Completion: C</b><br>If the project representative is not a<br>the item was not implemented as c |
| Sign as owner, agreeing<br>By execution of this form<br>certifies that the informat | tion:<br>preement and Certification<br>to comply with requirements as noted throughout this document.<br>I, signee and its duly authorized officers, partners, or members hereby<br>ion contained in this document is true, correct and complete; and that<br>ry of this project will meet requirement noted in this document. | <b>Project Completion:</b><br><b>Compliance Agreeme</b><br>Sign as owner, certifying that the s<br>By execution of this form, signee a                                                                            |
| Name of Organization<br>Authorized Signature<br>Printed Name<br>Title<br>Date       | Preservation of Affordable Housing, Inc., as member of GP<br>Molly Ekerdt<br>Vice President<br>10/24/22                                                                                                                                                                                                                        | certifies that the information contai<br>the execution and delivery of this p<br>Operations and Maintenand<br>Name of Organization<br>Authorized Signature<br>Printed Name<br>Title<br>Date                       |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                   |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                   |

|                                                           | Composite Wood Products that                                                                                                                                                                                                             | Clothes Dryer Exhaust                                                                                                                                                                                                             |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| at least 40-60                                            |                                                                                                                                                                                                                                          | If new dryers are being provided or existing dryers are being replaced, will the ventilation be ducted to the exterior with rigid ductwork?                                                                                       |
| ollow the<br>rogram or                                    | If interior composite wood products are included such as cabinetry, plywood, particle board, oriented strand board or medium density overlay, will the                                                                                   | Combustion Equipment 1                                                                                                                                                                                                            |
|                                                           | composite wood products be compliant with California 93120, or will all exposed edges be sealed with a low VOC sealant?                                                                                                                  | Will all existing or new gas or oil space or water heating equipment be direct                                                                                                                                                    |
|                                                           | Environmentally Preferable Flooring 1                                                                                                                                                                                                    | yented (sealed/closed) or power vented? [Check "No" if <b>any</b> remaining or new gas heating equipment has passive venting. Only check "N/A" if there is no gas or oil space heating or water heating equipment.]               |
| I to the following<br>South Coast Air<br>s ≤ 50 g/L, Non- | If new flooring is being provided, will a hard surface material (no carpet) be<br>used at entryways, laundry rooms, bathrooms, kitchens/kitchenettes and<br>utility rooms?                                                               | Combustion Equipment 2                                                                                                                                                                                                            |
| Clear woods ≤                                             | Environmentally Preferable Flooring 2                                                                                                                                                                                                    | If passive venting combustion equipment is to remain, has the development team developed a combustion action plan that includes post-construction testing and a remediation plan in the event testing reveals unsafe CO levels?   |
|                                                           | If carpet (including pad and adhesives) is being provided, will it meet the<br>Carpet and Rug Institute's Green Label and Green Label Plus Certification?                                                                                | Combustion Safety Requirements / Testing Protocols must be per RESNET<br>Guidelines for Combustion Safety and Development Work Orders or BPI<br>Combustion Safety Test Procedure for Vented Appliances.                           |
| ve the following                                          | Environmentally Preferable Flooring 3                                                                                                                                                                                                    | Operations & Maintenance Guidelines                                                                                                                                                                                               |
|                                                           | If hard surface flooring is being provided, will it be ceramic tile or unfinished hardwood? Or will it comply with the Scientific Certification System's FloorScore program?                                                             | By time of project completion, will the project have written operations and maintenance guidelines, which include inspection, replacement and turnover guidance relevant to each of the above sections in this document? And have |
|                                                           | Exhaust Fans: Bathroom                                                                                                                                                                                                                   | shared this document with OHFA at time of project completion? Templates available <u>here</u> .                                                                                                                                   |
|                                                           | If being replaced, will all new bath exhaust fans be ENERGY STAR labeled;<br>exhausted to the outdoors; and connected to a light switch or equipped with a<br>humidistat, timer or other control?                                        |                                                                                                                                                                                                                                   |
|                                                           | Ventilation 🗆 🖾                                                                                                                                                                                                                          |                                                                                                                                                                                                                                   |
|                                                           | If an abandoned mechanical ventilation system exists, has it been investigated and re-commissioned per the two-step method as follows?                                                                                                   |                                                                                                                                                                                                                                   |
|                                                           | <ol> <li>Identification of cause of failure: either mechanical malfunction<br/>(system broken) or human error (maintenance failure, override or<br/>system shut-off).</li> </ol>                                                         |                                                                                                                                                                                                                                   |
|                                                           | <ol> <li>Identification of remedy: either restore/replace/repair/re-commission,<br/>or require manuals and education for management and maintenance<br/>staff or include tenant education in resident manual and orientation.</li> </ol> |                                                                                                                                                                                                                                   |
|                                                           | [Note: If answer is "no" because a decision has been made not to restore the mechanical ventilation system to working order, provide rationale in Comments section]                                                                      |                                                                                                                                                                                                                                   |

nent, update the form that was submitted upon project ist of initialing the far-right column of the REQUIREMENTS is included in the property as designed, adding comments within COMMENTS section describing any discrepancies and signing PLETION: COMPLIANCE AGREEMENT AND CERTIFICATION of the 8609 form request.

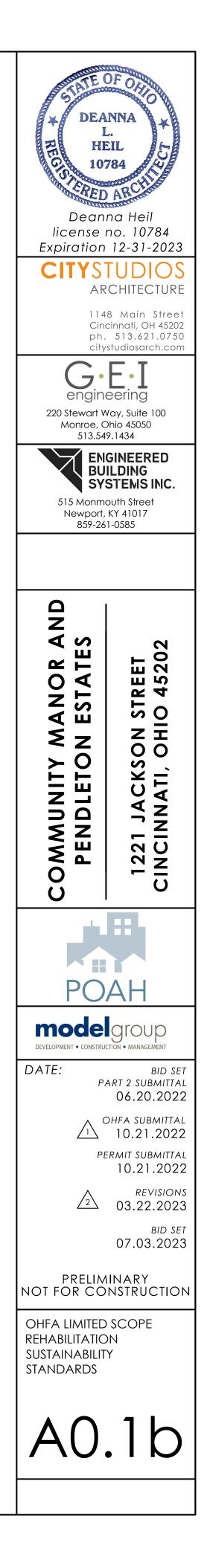
Comments

able to initial in the far right column for any item, given that designed, provide an explanation here.

ent and Certification

scope as proposed on this document was implemented in full. and its duly authorized officers, partners or members hereby ained in this document is true, correct and complete; and that project has met the requirements noted in this document.

nce Guidelines are attached.



| (ohfa)                                                                     | OHIO <b>HOUSING</b><br>FINANCE AGENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Desig<br>2022 N                                                            | n and Construction Features Form<br>Iultifamily Funding Programs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| INST                                                                       | RUCTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| wi<br>2. Th<br>3. If f<br>fro<br>4. A o<br>pa<br>All con<br>to <u>arcl</u> | e architectural entity with whom the owner and developer contracted with to provide architectural services<br>I complete the form and obtain all required signatures for the certifications.<br>e project applicant will submit the completed and signed form with the proposal application.<br>unded, the project applicant will complete and submit the form again at final application with all changes<br>m what was submitted at proposal application clearly identified.<br>sopy of the final, completed form must also be included in the 80% percent plan sets, copied onto the<br>ge(s) following the cover sheet, submitted at final application.<br>munications related to the architectural review, including submission of architectural plans, must be sent<br><u>acohiohome.org</u> .<br><i>I links:</i><br><u>2022 Design and Architectural Standards</u><br><u>2022 Exception Request Form</u><br><u>2022-2023 Qualified Allocation Plan</u><br><u>2022 Multifamily Underwriting Guidelines</u> |
| SUB/                                                                       | AISSION REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                            | <ul> <li>hinary Architectural Submission</li> <li>imum, the proposal application architectural submission must include all of the following:</li> <li>This form, completed and signed</li> <li>Exception Request form(s), if applicable.</li> <li>Preliminary drawings, which shall include all of the following:</li> <li>Cover sheet with name of development as submitted to OHFA, development address, development team, drawing index, code information, and table indicating unit schedule (including accessible, adaptable and sensory impaired units), types and sizes;</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                       |

- Site plan, including parking data and layouts;
- Landscape plan;
- Dimensioned floor plans with gross area of units and floor plans, as well as room designations and proposed finishes;
- Exterior elevations with material notations;
- Typical wall sections (new construction only); and
- Schematic Drawings and/or schematic specifications for HVAC, plumbing, and electrical or similar items included in the scope of work.
- Preliminary drawings, described above, shall be submitted in all of the following formats:

Electronic format (pdf)

 Single PDF file for all drawings specified a Separate, single PDF for specifications.

 Hard copy Full set of architectural plans, 11"x17" sca

Upon request only, preliminary drawings shall be format.

#### Final Architectural Submission

Final applications must include 80 percent complete approved by OHFA, the plans must include the project OHFA tracking number. The submission must show co information included within this form. Substantive cha will not be approved.

#### At minimum, the final application architectural submi- This form, completed and signed. Information from the proposal application submission, and

- Verification that the drawings comply any and green building requirements required for the
- Asbestos, mold, radon, and lead-based paint
- Items required to be completed per Phase I or Environmental Review performed by OHFA's e Plan sets, which shall include all of the following
- Site plans
- Interior and Exterior elevations
- Dimensioned floor plans • Wall sections (if applicable)
- Structure (if applicable)
- Finishes
- Details
- Mechanical plans Drawings must have a dimensioned p
- verification. All pipes-through-floor and dimensioned relative to the foundatio (new construction and adaptive reuse
- OHFA strongly encourages a surveyor Foundation over dig must be filled wit
- reports.
- Plan sets, described above, shall be submitted in Electronic format (pdf)
- Separate, single PDF files for drawings ind wall sections, structure, finishes, details a

2,895

| C. I                                                                                        | DEVELOPMENT DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2 | <ul> <li>a. Number of sites:</li> <li>b. Number of residential building</li> <li>c. Number of accessory buildings</li> <li>d. Date built: <ul> <li>For proposals involving ac building(s) were originally range of dates may be processory</li> <li>c. Date first occupied:</li> <li>Year development was or a range of dates may be processory</li> <li>c. Site acreage:</li> <li>g. Total # units:</li> <li>Number of efficiency units:</li> <li>Number of one-bedroom units</li> </ul> </li> </ul> |
| l<br>r                                                                                      | <ul> <li>Number of two-bedroom units</li> <li>Number of three-bedroom units</li> <li>Number of four-bedroom units</li> <li>Building/Zoning variances rec</li> </ul>                                                                                                                                                                                                                                                                                                                                   |
| D. I                                                                                        | FLOOR AREA DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                             | Space                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gross S                                                                                     | Square Footage of all Buildings                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Total N                                                                                     | umber of Low Income Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Total N                                                                                     | umber of Low Income Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                             | umber of Low Income Units<br>ercial Space Condominium                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Comme<br>Areas:                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Comme<br>Areas:<br>Comme<br>Space:                                                          | ercial Space Condominium                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Comme<br>Areas:<br>Comme<br>Space:<br>Market                                                | ercial Space Condominium<br>ercial Areas and Fee-Driven                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| / E | LOPMENT DETAILS                                                     |                                                                       |
|-----|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| ۱u  | mber of sites:                                                      | 7                                                                     |
| ۱u  | mber of residential buildings:                                      | 10                                                                    |
| ۱u  | mber of accessory buildings:                                        | 0                                                                     |
| Da  | te built:                                                           | 1865-1906                                                             |
|     | For proposals involving acquisit                                    | ion rehabilitation or adaptive reuse, please specify the year the     |
|     | building(s) were originally const<br>range of dates may be provided | ructed. For multiple building proposals or scattered site projects, a |
|     |                                                                     |                                                                       |

1.5

61

61

27

- 1865-1906 ent was or will be occupied. For multiple building proposals or scattered site projects, s may be provided.
- units: y units:
- room units:
- room units:
- droom units: 21 room units:
- iances received: n/a

#### **AILS**

| Space                                  | GSF     | Notes                                                                                                     |
|----------------------------------------|---------|-----------------------------------------------------------------------------------------------------------|
|                                        | 116,405 | Measured from exterior face of exterior building;<br>includes structured exterior spaces (stair, balcony, |
| Gross Square Footage of all Buildings  |         | portico).                                                                                                 |
| Total Number of Low Income Units       | 61      |                                                                                                           |
|                                        |         |                                                                                                           |
| Commercial Space Condominium<br>Areas: | 0       | Legally separate space under control of another program or condominimized legal separation.               |
| Commercial Areas and Fee-Driven Space: | 2,179   | Includes spaces for which residents must pay a fee for use/access (garages, storage).                     |
|                                        |         |                                                                                                           |
| Market Rate Unit Area:                 | 0       | Must include lofts, mezzanine and restricted<br>headroom areas                                            |
| Low Income Unit Area:                  | 69,725  | Must include lofts, mezzanine and restricted<br>headroom areas                                            |
| Managers Unit Area:                    | 0       | Must include lofts, mezzanine and restricted<br>headroom areas                                            |

| Common Area (Public):          |        |
|--------------------------------|--------|
| Common Area (Circulation):     | 0      |
| Dedicated Program Space:       | 0      |
|                                | 0      |
| Limited Common Area (Private): |        |
|                                |        |
|                                | 1,456  |
| Support:                       |        |
| Tenant Storage:                | 0      |
| Major Vertical Penetrations:   | 8,919  |
| Structured Parking / Garage:   | 0      |
|                                | 18,762 |
| Basement:                      |        |
|                                | TOTALS |
| Non-Low Income Floor Area      | 2,895  |
| Low Income Floor Area          | 69,725 |
|                                |        |

2.5% % Common Area 114,226 Net Rentable Square Footage Average Net Rentable SQFT per LI Unit 1,143

The following items should not be included in any of the al Trash enclosures

Concrete patios without roofs

Sidewalks

| above.                                                                                                                                                                                                                                       | • Separate, single PDF file for specifications.                                                                                                                                                                                                                                                                                         | A. DEVELOPMENT IN                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| caled to fit. Full size plans will not be accepted.                                                                                                                                                                                          | <ul> <li>Electronic format (AutoCAD)</li> <li>Dimensioned floor plans only, submitted in DXF or DWG AutoCAD R-2017 format.</li> <li>It is preferred that the project architect's polyline area lines be included.</li> <li>If drawings are externally referenced (xref), submissions must be bound (xbind) prior to creating</li> </ul> | <ul> <li>a. Development Name:</li> <li>b. OHFA Tracking Numl</li> <li>c. Address: Scattered</li> </ul> |
| submitted in DXF R-2017 format or DWG AutoCAD R-2017                                                                                                                                                                                         | <ul> <li>files for OHFA.</li> <li>Proprietary authorship information such as title blocks, Architecture seals, etc. should be removed.</li> <li>DXF should be generated from the base file and not a plan sheet file.</li> </ul>                                                                                                        | d. City: Cincinnati<br>e. Zip Code: 45202<br>f. Competitive Pool: Pr<br>g. Population Served: F        |
| e permit sets, including final plans for all trades. Unless<br>of name as submitted with the proposal application and<br>conformity to the preliminary submittal, including the<br>nanges of any items that would affect competitive scoring | <ul> <li>Hard copy</li> <li>Full set of architectural plans, 11"x17" scaled to fit. Full size plans will not be accepted.</li> </ul>                                                                                                                                                                                                    | h. Construction Type: F<br>i. Wage Rate Requiren<br>regulations that app<br><u>Davis Bacon and</u>     |
|                                                                                                                                                                                                                                              | FORM SECTIONS                                                                                                                                                                                                                                                                                                                           | subcontractors p<br>construction, alte                                                                 |
| ission must include all of the following:                                                                                                                                                                                                    | A. DEVELOPMENT INFORMATION                                                                                                                                                                                                                                                                                                              | works.                                                                                                 |
| n included in this document must be updated as needed                                                                                                                                                                                        | B. PROJECT CONTACTS                                                                                                                                                                                                                                                                                                                     | Ohio Prevailing V                                                                                      |
| nd <u>must</u> match the information in the 80% plans.<br>d all accessibility, energy efficiency, universal design, and/or                                                                                                                   | C. DEVELOPMENT DETAILS                                                                                                                                                                                                                                                                                                                  | or in part by pub                                                                                      |
| development or committed to in the application for funding.                                                                                                                                                                                  | D. FLOOR AREA DETAILS                                                                                                                                                                                                                                                                                                                   | \$200,000 for ne<br>remodeling, reno                                                                   |
| considerations as required.                                                                                                                                                                                                                  | E. ADAPTABILITY AND ACCESSIBILITY                                                                                                                                                                                                                                                                                                       | → HUD Section 3 R                                                                                      |
| or II Environmental Site Assessment, or per applicable                                                                                                                                                                                       | F. SUSTAINABILITY                                                                                                                                                                                                                                                                                                                       | Act of 1968 requ                                                                                       |
| environmental consultant.                                                                                                                                                                                                                    | G. EXCEPTION REQUESTS                                                                                                                                                                                                                                                                                                                   | feasible, provide                                                                                      |
| ving:                                                                                                                                                                                                                                        | H. DESIGN-RELATED COMPETITIVE CRITERIA                                                                                                                                                                                                                                                                                                  | residents in conr                                                                                      |
|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         | None of the above                                                                                      |
|                                                                                                                                                                                                                                              | I. SCOPE OF WORK                                                                                                                                                                                                                                                                                                                        |                                                                                                        |
|                                                                                                                                                                                                                                              | J. UNIVERSAL DESIGN COMPONENTS                                                                                                                                                                                                                                                                                                          | <b>B. PROJECT CONTA</b>                                                                                |
|                                                                                                                                                                                                                                              | K. CERTIFICATION                                                                                                                                                                                                                                                                                                                        | a. Architect of Record                                                                                 |
|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         | Company: City S                                                                                        |
|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         | Name: Dear                                                                                             |
| plumbing plan and control points located for rough-in site                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                         | • Phone: 513-6                                                                                         |
| and the walls they are intended to be located within must be                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                         | • Email: dheil                                                                                         |
| on where they must align with walls and/or islands above.                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                         | <ul><li>b. Developer</li><li>Company: Prese</li></ul>                                                  |
| e only)                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                         |                                                                                                        |
| r to locate wall and through-slab pipe penetrations.                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                         | <ul> <li>Name: Molly</li> <li>Phone: 312-2</li> </ul>                                                  |
| th insulation or forms and then back filled per geotechnical                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                         | • Email: meke                                                                                          |
|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         | c. Owner                                                                                               |
| n all of the following formats:                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         | Company: Prese                                                                                         |
|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         | Name: Molly                                                                                            |
| ncluding all site plans, dimensioned floor plans, elevations, and mechanical plans.                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                         | <ul> <li>Phone: 312-2</li> <li>Email: meke</li> </ul>                                                  |
|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         |                                                                                                        |
| 2                                                                                                                                                                                                                                            | 3                                                                                                                                                                                                                                                                                                                                       |                                                                                                        |
|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         |                                                                                                        |
|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                         |                                                                                                        |

| Public restrooms, community rooms, libraries,                                             | E. ADAPTABILITY AND ACCESSIBILITY                                                                                                                                                                                                  | F. SUSTAINABILITY                                                      |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| offices, meeting rooms, kitchens, car canopy, portico, fitness rooms, laundry, mailboxes. |                                                                                                                                                                                                                                    | Developmente                                                           |
| Public hallways, stairways, and corridors to                                              | All developments must be designed and constructed to comply with all local, state, or federal accessibility guidelines that apply.                                                                                                 | <ul> <li>a. Developments mu<br/>Residential Code.</li> </ul>           |
| residential units.                                                                        |                                                                                                                                                                                                                                    | <ul> <li>Yes, developm</li> </ul>                                      |
| Counseling space, wellness and health clinic areas,                                       | a. All developments must to comply with the accessibility requirements as outlined in the Ohio Building                                                                                                                            | Residential Co                                                         |
| day care centers, etc.         Exterior spaces with access only through residential       | Code, Chapter 4101:1-11, which includes the use of ICC/ANSI A117.1-2009 for the design and                                                                                                                                         |                                                                        |
| unit. i.e. balcony/porch/deck (patios without roof                                        | construction of accessible units. Yes, the project will comply with the accessibility requirements as outlined in the Ohio Building Code.                                                                                          | <ul> <li>b. In addition, all mul<br/>building certification</li> </ul> |
| are not included).                                                                        | Tes, the project will comply with the accessionity requirements as outlined in the onio building code.                                                                                                                             | © Energy Star MI                                                       |
| Electrical, mechanical, elevator room, sprinkler                                          | b. All developments receiving OHFA funding must meet the accessibility requirements of Section 504.                                                                                                                                | O Energy Star MI                                                       |
| room, janitorial, trash, maintenance, storage that is                                     | Identify the implementing standard the development will utilize to demonstrate compliance with Section                                                                                                                             | LEED Certified                                                         |
| not for tenant use, free standing maintenance buildings.                                  | 504 requirements (select one):                                                                                                                                                                                                     | C LEED Silver                                                          |
| Tenant storage outside of unit.                                                           | Uniform Federal Accessibility Standards (UFAS)<br>2010 ADA Standards for Accessible Design under Title II of the ADA, except for certain specific                                                                                  | O ICC 700 NGBS                                                         |
| Includes duct shafts, stair shaft, elevator shaft,                                        | identified provisions, as detailed in HUD's Notice on "Instructions for use of alternative accessibility                                                                                                                           | <ul> <li>ICC 700 NGBS</li> <li>2020 Enterpris</li> </ul>               |
| space open to below.                                                                      | standard," published in the Federal Register on May 23, 2014 ("Deeming Notice").                                                                                                                                                   | <ul> <li>O 2020 Enterpris</li> <li>O OHFA Limited 3</li> </ul>         |
| Attached or detached garage that residents do not pay a fee for.                          | An equivalent standard as defined in HUD's Deeming Notice (such as ICC/ANSI A117.1-2009)                                                                                                                                           |                                                                        |
| Includes spaces with a minimum of 7' clear head                                           | c. Developments may be subject to the Fair Housing Act design and construction requirements. If the                                                                                                                                | G. EXCEPTION REG                                                       |
| height. Spaces less than 7' are crawl spaces per RCO 305.                                 | development is subject to the Fair Housing Act design and construction requirements, verify that the                                                                                                                               |                                                                        |
|                                                                                           | project will be designed and constructed to meet the requirements of the Fair Housing Act and that all                                                                                                                             | Select the items an <u>Excep</u><br>No requests for ex                 |
|                                                                                           | units, other than the accessible units, will be designed and constructed as ANSI Type B units.                                                                                                                                     |                                                                        |
| Commercial Space Condo Areas + Commercial                                                 | Yes, the project will be designed and constructed to meet the requirements of the Fair Housing Act and all units, other than the accessible units, will be designed and constructed as ANSI Type B units.                          | New Construction                                                       |
| Areas + Market Rate Unit Area                                                             |                                                                                                                                                                                                                                    | Items that are sub                                                     |
| LI unit area + Common Area (Circulation) + Limited                                        | d. Number of 504 mobility units required: 4                                                                                                                                                                                        | requirements that                                                      |
| Common Area (Private) + Tenant Storage                                                    | e. Number of 504 sensory units required: 2                                                                                                                                                                                         | Items that are una<br>the Exception Req                                |
| Common Area (Public) + Common Area (Circulation)                                          | <ul> <li>f. Number of 504 mobility units provided:0</li> <li>g. Number of 504 sensory units provided:2</li> </ul>                                                                                                                  |                                                                        |
| / Gross Square Footage                                                                    | g. Number of 304 sensory units provided. Z                                                                                                                                                                                         | Rehabilitation or Ada                                                  |
| Gross Square Footage - Non-Low Income floor area                                          | h. Number of accessible parking spaces: 0                                                                                                                                                                                          | Universal Design n                                                     |
| Net Rentable Square Footage/ Total number of Low                                          |                                                                                                                                                                                                                                    |                                                                        |
| Income Units                                                                              | <ul> <li>Total number of non-conforming accessible units &amp; reason: (only applicable to adaptive reuse or<br/>rehabilitation projects if full compliance is technically infeasible. Exception request must have been</li> </ul> | <ul> <li>Accessibility requir</li> </ul>                               |
|                                                                                           | submitted.)                                                                                                                                                                                                                        | is technically infea                                                   |
|                                                                                           |                                                                                                                                                                                                                                    | Items with 75% or                                                      |
| above square footages:                                                                    |                                                                                                                                                                                                                                    | replacement requi                                                      |
|                                                                                           |                                                                                                                                                                                                                                    | certification)                                                         |
|                                                                                           |                                                                                                                                                                                                                                    | <ul> <li>Durable Materials</li> <li>Main Entry</li> </ul>              |
|                                                                                           |                                                                                                                                                                                                                                    | <sup>—</sup> Sidewalks                                                 |
|                                                                                           |                                                                                                                                                                                                                                    |                                                                        |
|                                                                                           |                                                                                                                                                                                                                                    |                                                                        |
|                                                                                           |                                                                                                                                                                                                                                    |                                                                        |
| 6                                                                                         | 7                                                                                                                                                                                                                                  |                                                                        |
| -<br>-                                                                                    |                                                                                                                                                                                                                                    |                                                                        |
|                                                                                           |                                                                                                                                                                                                                                    |                                                                        |
|                                                                                           |                                                                                                                                                                                                                                    |                                                                        |
|                                                                                           |                                                                                                                                                                                                                                    |                                                                        |

#### MENT INFORMATION

ent Name: Community & Pendleton Apartments king Number (final application only): Scattered sites

45202

- e Pool: Preserved Affordability
- n Served: Family on Type: Rehabilitation
- Requirements: If federal or state funds are utilized in the proposed development, select any s that apply to the proposed development.
- Bacon and related acts: Davis Bacon Act prevailing wage provisions apply to contractors and ntractors performing on federally funded or assisted contracts in excess of \$2,000 for uction, alteration or repair (including painting and decorating) of public buildings or public

revailing Wage: Ohio's prevailing wage laws apply to all public improvements financed in whole art by public funds when the total overall project cost is fairly estimated to be more than 000 for new construction or \$60,000 for reconstruction, enlargement, alteration, repair, leling, renovation, or painting.

ection 3 Requirements: Section 3 is a provision of the Housing and Urban Development (HUD) 1968 requiring that recipients of certain HUD financial assistance, to the greatest extent e, provide job training, employment, and contracting opportunities for low or very low-income nts in connection with projects and public works. of the above are applicable

## CONTACTS

- any: City Studios Architecture, LLC Deanna Heil 513-621-0750 dheil@citystudiosarch.com
- any: Preservation of Affordable Housing Molly Ekerdt 312-283-0033 mekerdt@poah.org
- any: Preservation of Affordable Housing Molly Ekerdt 312-283-0033 mekerdt@poah.org

#### LITY

s must meet all energy efficiency requirements as stated in the Ohio Building Code or

elopment will meet all energy efficiency requirements as stated in the Ohio Building Code or ial Code.

Il multifamily developments must obtain one of the below energy efficiency or green fications. Select which certification will apply to the development.

| uncations. Select which certification will apply | 10 1 | ne development.                 |
|--------------------------------------------------|------|---------------------------------|
| Star MFHR Performance Path                       | 0    | Energy Star Certified Homes     |
| Star MFHR Prescriptive Path                      | 0    | Energy Star MF New Construction |
| ertified                                         | 0    | LEED Gold                       |
| lver                                             | 0    | LEED Platinum                   |

- NGBS Bronze
- NGBS Silver

terprise Green Communities nited Scope Rehabilitation Sustainability Standards

#### REQUESTS

Exception Request form has been submitted for. for exception were submitted for this development.

e subject to non-OHFA (such as local codes or design standards, funding source, etc.) s that may conflict with the OHFA Design and Architectural Standards. e unable to be complied with for a compelling reason, as fully described by the applicant in n Request form.

#### **Adaptive Reuse**

| sign mandatory components                    |  |
|----------------------------------------------|--|
|                                              |  |
| requirements (if compliance<br>/ infeasible) |  |
| 5% or more RUL (if                           |  |
| required for green                           |  |
|                                              |  |

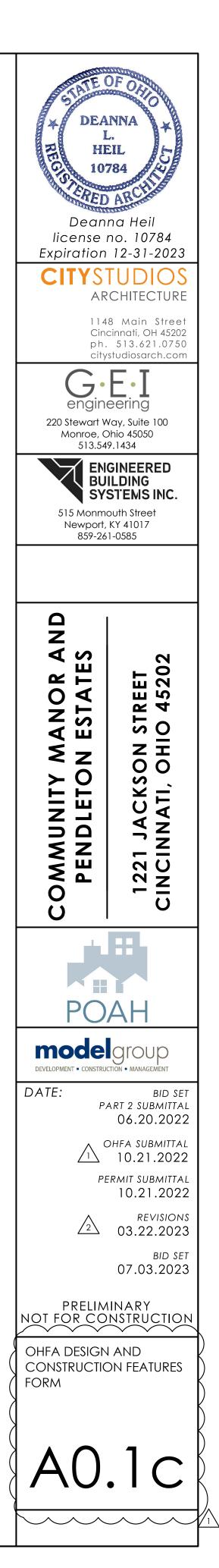
erials - Exterior

**Durable Materials - Interior** Major Building Components Common Areas Elevators Interior Doors

ICC 700 NGBS Gold

ICC 700 NGBS Emerald

- Floor Coverings
- Unit Sizes
- Bedroom Sizes Bathrooms
- Kitchen & Appliances
- Laundry Facilities



| DESIGN-RELATED COMPETITIVE CRITERIA         ect the items below that the development is seeking competitive points for under the 2021 QAP.         Design Features         Exercise and Wellness         Number of Bedrooms         SCOPE OF WORK         a. Provide an overview of the proposed improvements to be made involving site design, building design, mechanical and electrical systems and building components including building exterior, interior, and life safety items.         The project involves building improvements to ten (10) properties with a total of 61 apartment units. Unit counts and layouts will remain the same. New exterior work includes masony repairs, fire escape repairs, miscellaneous site repairs, and selective new inder will be installed at two (2) properties. New Interior work includes new kitchen cabinets and appliances, bathroom fixtures, selective doors, and wall and ceiling repair and limited painting at repair areas. New work will also involve new HVAC units (exiting ductwork to remain), new security intercor systems where they currently exist, new light fixtures, new GFI outlets, new switch and cover plates, and selective new water heaters. | <ul> <li>d. For any developments proposing adaptive reuse or rehabilitation with historic tax credits, specify any restrictions or requirements that will be used to determine compliance with the Ohio Historic Preservation Tax Credit and/or Federal Historic Preservation Tax Credit programs.</li> <li>The project is pursuing state and federal historic preservation tax credits from the Ohio State Historic Preservation Office (SHPO) and the National Park Service (NPS), and is designed to conform with the Secretary of the Interior's "Standards for Rehabilitation" as outlined by NPS.</li> <li>e. Address any issues raised in the Physical Capital Needs Assessment (PCNA) and Scope of Work report(s) in the space provided below. Include information for all developments proposing rehabilitation of existing units or the adaptive reuse of a building at proposal submission, especially where the scope of work and PCNA do not agree.</li> </ul>                                                                                                                                                          | <ul> <li>Metals:</li> <li>Fire escapes will be repaired, scrapped, and painted. The existing exterior steel stair at 1609 Pleasant will be repaired, scrapped and painted. Metal security gates will be repaired, scrapped, painted and will receive new security hardware. Exterior guardrails and handrails will be installed at stairways and steps to comply with building code. New metal security guardrails around HVAC condensing units will be provided on Community Manor roofs.</li> <li>Carpentry:</li> <li>All existing kitchen cabinets and countertops will be replaced with new kitchen cabinets and counters. Wood stairs including basement, common area, and dwelling unit stairs will be repaired as required. Interior wood banisters and handrails in both common areas and dwelling unit stairs will be repaired as required. Interior wood banisters and handrails in both common areas and dwelling unit stairs wills be repaired as required. Interior wood banisters and handrails in both common areas and dwelling units will be repaired, secured. Wood banisters and handrails in common areas will be painted.</li> <li>Thermal and Moisture Protection:</li> <li>New shingle roofs (30 year warranty) or new energy efficient white TPO roofs (20 year warranty) will be constructed on all buildings. All components to the roof system including flashing, deteriorated roof sheathing, roof vents, gutters, and downspouts will be removed and replaced with new. New insulation including blown-in cellulose or fiberglass batt will be provided in unoccupied attic spaces to meet OHFA Limited Scope Rehabilitation Standards.</li> <li>Doors and Windows:</li> <li>Damaged building entry doors, interior common doors, unit doors and interior unit doors will either be repaired and painted or replaced with the ww. All door tradvare will be replaced. New basement access doors will be installed flush to sidewalk where applicable.</li> </ul> | J. UNIVERSAL DESIGN COMPONENTS         Select all of the below items that will be included in the development. Mandatory items are marked with an asterisk. Refer to the pages 29 and 68-70 of the 2022-2023 QAP for more detail.         Additionally, specify the architectural page reference, or if it will be covered by a general/universal plan note, mark "Note".         Which of the below threshold options will the development be seeking? (select one)         All mandatory items + 10 additional in 50% of units         Value All mandatory items + 5 additional in 100% of units         Imandatory items + 5 additional in 100% of units         Entry         Included? Page or Note Item         n/a - rehab       *36"-wide (minimum) entry door with lever-style handle (mandatory for NC only)         exception request Minimum 5' x 5' level clear space inside and outside entry door         * Adequate non-glare lighting at walkways, accessible routes, and exterior spaces         * Addequate lighting both inside and outside the building and unit entrance         * High visibility address numbers (both building and exterior units)         n/a - rehab       *Overhead weather protection at entrances (mandatory for NC only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DEAN<br>L.<br>HEI<br>1078<br>Deann<br>license n<br>Expiration<br>CITYST<br>ARC<br>1148<br>Cincii<br>ph.<br>cityst        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| b. Address any issues raised in the Phase I Environmental Site Assessment (ESA) report(s) in the space provided below. Include information for all single-site and scattered-site proposals, as required by applicable program funding guidelines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul> <li>f. SITE AND BUILDING COMPONENTS For each item listed below, provide a brief description of the specific improvements that will be incorporated in the proposed development. Attach additional pages if needed. If no improvements will be made to the item, provide a description of their current state. </li> <li>Site Work (including security): New site work will include concrete repair to damaged side walk areas as needed. All exterior security light fixtures will be replaced with new fixtures. Additional exterior security light fixtures will be replaced and upgrade with new security intercom systems will be replaced and upgrade with new security intercom systems. New US Postal Services mail boxes will replace existing mailboxes. Existing exterior ceilings at breezeways will be repaired and painted where required. </li> </ul>                                                                                                                                                                                                                                                             | <ul> <li>Finishes and Appliances:<br/>New Energy Star refrigerators, ranges, and range hoods with "FireStop" fire protection will replace existing appliances. Damaged plaster/gypsum board surfaces throughout the building will be repaired and painted. All common space previously painted finishes will be repainted. Existing hardwood floors in common spaces will be refinished. Vinyl stair treads in common spaces and dwelling units will be replaced with new. Isolated cracked floor tile in kitchens and bathrooms will be replaced with new. Damaged marble transitions will be replaced with new. Isolated cracked floor tile in kitchens and bathrooms will be replaced with new. Damaged marble transitions will be replaced with new. Bathroom wall tile and grout along wainscot and tub surrounds will be cleaned and repaired or resurfaced.</li> <li>Furnishings:<br/>All dwelling units will be provided with new horizontal louver blinds in all dwelling unit rooms. New vinyl coated closet wire shelves will be installed in closets. New medicine cabinets and new bathroom accessories including towel bars, toilet paper dispensers, and robe hooks will be provided.</li> <li>Plumbing:<br/>New plumbing work includes the replacement of the following with fixtures: high efficiency toilets, vanity sinks, and double bowl kitchen sinks. All faucets and shower valves will be replaced with new. New water heaters and sump pumps will be replaced with new as</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <ul> <li>n/a - rehab *Overhead weather protection at entrances (mandatory for NC only)</li> <li>Built-in shelf/bench/ledge located outside the door</li> <li>Nonslip surfaces on walkways and entryways</li> <li>Primary unit entry with an accessible/dual peephole and backlit doorbell</li> <li>Door locks that are easy to operate, such as keyless locks with remote control or keypad</li> <li>No-step entry (1/2" or less threshold) at main entrance</li> <li>Interior Stairs and Hallways</li> <li>Included? Page or Note Item</li> <li>*Adequate lighting to illuminate all stairway(s), landings, and hallway(s)</li> <li>exception request Hallways with a minimum width of 42"</li> <li>*Anti-slip strips on front edge of steps in color-contrast material</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 220 Stewart Wo<br>220 Stewart Wo<br>Monroe, Oh<br>513.549.<br>ENG<br>BUIL<br>SYS<br>515 Monmou<br>Newport, K<br>859-261- |
| c. For any developments involving acquisition and rehabilitation, adaptive reuse or historic preservation, provide a narrative describing the history of improvements made to the building(s) and/or units.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <ul> <li>Concrete:</li> <li>Existing concrete retaining walls will be repaired as needed in addition to exterior concrete stairs and landings.</li> <li>Masonry:</li> <li>All building facades will require masonry repairs. Damaged brick will be replaced and damaged mortar will be tuck-pointed. Any existing painted areas of the facade will be repaired including historical cornices and decorative elements. Areas of existing damaged, parged masonry will be repaired. Areas of damaged limestone or stone will be repaired. Structural anchors will be installed at key points to stabilize structures. Existing masonry chimneys will be repaired as required. Exterior stone retaining walls and the interior faces of basement foundation walls will be tuck-pointed as necessary. New fiber cement board siding will replace existing fiber cement siding.</li> </ul>                                                                                                                                                                                                                                                | <ul> <li>HVAC:<br/>HVAC work will include the installation of new gas furnaces, thermostats, AC condensing units, exhaust fans, louver, diffusers, and grilles.</li> <li>Electrical:<br/>Electrical work will include the installation of new light fixtures, GFI outlets, switches, and cover plates for all switches and outlets including TV, cable and data. New carbon monoxide/smoke detectors will also be installed.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Image: Color contrast between stair treads and risers         Image: Color contrast between stair treads and risers         Image: Handrails on both sides of interior stairs         Interior Doors         Included? Page or Note Item         exception request 34"-wide (minimum) doors leading to habitable room, allowing for a 32" minimum clearance         Image: Color contrast between stair treads and risers         Image:                                                                                                                                                                                                                                                                   | TES<br>TES<br>DI                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ≥ z<br>20                                                                                                                |
| <i>ical</i><br><i>ical</i><br><i>ical</i><br><i>ical</i><br><i>ical</i><br><i>ical</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul> <li>*Loop handles on drawers and cabinets</li> <li>*Non-glare task lighting to illuminate sink, stove, and work areas</li> <li>Adjustable height shelves in wall cabinets</li> <li>Base cabinets with pull out drawers</li> <li>Pull-out work surface near the oven, refrigerator and/or microwave.</li> <li>Visual contrast at front edge of countertop or between the countertop and the cabinets</li> <li>Side-by-side refrigerator-freezer</li> <li>Constrant range with front or side-mounted controls (senior units only)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | K. CERTIFICATION We represent, warrant and certify to OHFA that the following does and will apply to the proposed development: The Development will be designed and constructed to meet the requirements of all applicable laws, codes, program guidelines, as well as the OHFA Design and Architectural Standards and specific features applicable to the project as outlined in this form. This includes any and all local, state, or federal accessibility laws that currently exist and apply to the project. Any additional cost of construction required for the Development to be in compliance with any of these laws has been included in the development budget.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <ul> <li>2. General Contractor:         <ul> <li>I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the Development will be constructed in accordance with any and all requirements as set forth in this form, the OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy documents.</li> <li>I understand that I am obligated to know the federal, state and local accessibility laws applicable to the Development and will build the project accordingly.</li> </ul> </li> <li>Model Construction, LLC 513-559-0048 bkeppler@modelgroup.net</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                          |
| ided? Page or Note       Item         *Anti-scald faucets with lever handle for all sinks, bathtubs, and showers         *Pressure balanced faucets    ical        ided? Page or Note         Item         *Thermostat and control panels that are easy to read and simple to operate         *Rocker, touch light, or hands-free switches         *Extra electrical outlets near the bed (for medical equipment or rechargeable items, etc.) placed 18" to 24 above finished floor (bedroom only)         Lighted switches visible in the dark         Switched outlets for lamps, etc. to be turned on with wall switch         Electrical outlets, phone jacks, and data ports at least 18" above finished floor         Light switches between 44"-48" above finished floor; thermostats no more than 48" above finished floor         Clear access space of 30" by 48" in front of switches, outlets, and controls         Audible and visual alarms for smoke/fire/carbon monoxide in all code-required accessible areas and all units                                                                                                                                                                                 | <ul> <li>*Non-glare task lighting to illuminate sink, stove, and work areas</li> <li>Adjustable height shelves in wall cabinets</li> <li>Base cabinets with pull out drawers</li> <li>Pull-out work surface near the oven, refrigerator and/or microwave.</li> <li>Visual contrast at front edge of countertop or between the countertop and the cabinets</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <ul> <li>We represent, warrant and certify to OHFA that the following does and will apply to the proposed development:</li> <li>The Development will be designed and constructed to meet the requirements of all applicable laws, codes, program guidelines, as well as the OHFA Design and Architectural Standards and specific features applicable to the project as outlined in this form. This includes any and all local, state, or federal accessibility laws that currently exist and apply to the project. Any additional cost of construction required for the Development to be in compliance with any of these laws has been included in the development budget.</li> <li>By signing this document, the owner, architect, and general contractor certify that the plans, specifications, and features submitted as part of this application will become a minimum standard for the proposed development. This hereby becomes a binding agreement for the actual construction intent if the development is awarded OHFA funding.</li> <li>OHFA does not take responsibility for design, construction, and plan review or any other municipal or building department review or approval and in no way does this agreement supersede any requirement by such jurisdictions.</li> <li>OHFA reserves the right to verify compliance with agreed-upon features including durability of materials, accessibility, universal design, green building requirements and energy efficiency components.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the Development will be constructed in accordance with any and all requirements as set forth in this form, the OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy documents. I understand that I am obligated to know the federal, state and local accessibility laws applicable to the Development and will build the project accordingly.          Model Construction, LLC       513-559-0048       bkeppler@modelgroup.net         Company/Firm Name       Phone Number       Email         1826 Race Street, Cincinnati OH 45202       Company/Firm Address         Robert Keppler       President         Printed Name (Firm Authorized Signatory)       Title         Signature       Date         3. Owner:       I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the Development shall be constructed in accordance with any and all requirements as set forth in this form, OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                          |
| <ul> <li>*Pressure balanced faucets</li> <li>*trical</li> <li>*Thermostat and control panels that are easy to read and simple to operate</li> <li>*Rocker, touch light, or hands-free switches</li> <li>*Extra electrical outlets near the bed (for medical equipment or rechargeable items, etc.) placed 18" to 24 above finished floor (bedroom only)</li> <li>Lighted switches visible in the dark</li> <li>Switched outlets for lamps, etc. to be turned on with wall switch</li> <li>Electrical outlets, phone jacks, and data ports at least 18" above finished floor</li> <li>Light switches between 44"-48" above finished floor; thermostats no more than 48" above finished floor</li> <li>Clear access space of 30" by 48" in front of switches, outlets, and controls</li> <li>Audible and visual alarms for smoke/fire/carbon monoxide in all code-required</li> </ul>                                                                                                                                                                                                                                                                                                                                          | <ul> <li>*Non-glare task lighting to illuminate sink, stove, and work areas</li> <li>Adjustable height shelves in wall cabinets</li> <li>Base cabinets with pull out drawers</li> <li>Pull-out work surface near the oven, refrigerator and/or microwave.</li> <li>Visual contrast at front edge of countertop or between the countertop and the cabinets</li> <li>Side-by-side refrigerator-freezer</li> <li>Cooktop/range with front or side-mounted controls (senior units only)</li> <li>Extra outlets for small appliances, electronics, etc.</li> <li>Clear knee space (at least 27" high) under sink, counters, and/or cook tops. If under sink, pipes must have protection and may not be in the required knee space. May be open knee space or achieved by means of removable base cabinets or fold-back or self-storing doors.</li> </ul> Closets/Storage Included? Page or Note Item Area is well-lit with a switch located outside the space Voors and handles that are easy to operate. No bi-fold or accordion-type doors. Adjustable-height shelving and/or closet rods OR clothes rods installed at multiple heights | We represent, warrant and certify to OHFA that the following does and will apply to the proposed development:<br>The Development will be designed and constructed to meet the requirements of all applicable laws, codes,<br>program guidelines, as well as the OHFA Design and Architectural Standards and specific features applicable to<br>the project as outlined in this form. This includes any and all local, state, or federal accessibility laws that<br>currently exist and apply to the project. Any additional cost of construction required for the Development to be in<br>compliance with any of these laws has been included in the development budget.<br>By signing this document, the owner, architect, and general contractor certify that the plans, specifications, and<br>features submitted as part of this application will become a minimum standard for the proposed development.<br>This hereby becomes a binding agreement for the actual construction intent if the development is awarded<br>OHFA funding.<br>OHFA does not take responsibility for design, construction, and plan review or any other municipal or building<br>department review or approval and in no way does this agreement supersede any requirement by such<br>jurisdictions.<br>OHFA reserves the right to verify compliance with agreed-upon features including durability of materials,<br>accessibility, universal design, green building requirements and energy efficiency components.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the Development will be constructed in accordance with any and all requirements as set forth in this form, the OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy documents.         I understand that I am obligated to know the federal, state and local accessibility laws applicable to the Development and will build the project accordingly.         Model Construction, LLC       513-559-0048       bkeppler@modelgroup.net         Company/Firm Name       Phone Number       Email         1826 Race Street, Cincinnati OH 45202       Company/Firm Address         Robert Keppler       President         Printed Name (Firm Authorized Signatory)       Title         Signature       Date         3. Owner:       I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the Development shall be constructed in accordance with any and all requirements as set forth in this form, OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy documents.         The undersigned understands that any deviations from federal and state accessibility requirements are the responsibility of the Owner and, as such, Owner is responsible for such deviations.         Further, if for any reason, the features are not constructed in accordance with the requirements set forth above, the undersigned understands that OHFA may revoke or recepture the Development's funding and/or limit or prohibit the future participation of the undersigned | BENDLEDOMMUNITY<br>DATE:<br>F                                                                                            |

| Electrical<br>Included? Page or Note | <i>Item</i><br>*Anti-scald faucets with lever handle for all sinks, bathtubs, and showers<br>*Pressure balanced faucets |                        | *Loop handles of<br>*Non-glare task<br>Adjustable heigh |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------|
| Included? Page or Note               | *Anti-scald faucets with lever handle for all sinks, bathtubs, and showers                                              |                        | _                                                       |
| Electrical<br>Included? Page or Note | *Anti-scald faucets with lever handle for all sinks, bathtubs, and showers                                              | $\Gamma$               | Augustubic heigi                                        |
| Electrical<br>Included? Page or Note |                                                                                                                         |                        | Base cabinets w                                         |
| Electrical<br>Included? Page or Note |                                                                                                                         |                        | Pull-out work su                                        |
| Included? Page or Note               |                                                                                                                         | L                      | Visual contrast a                                       |
| [ v<br>[ v                           |                                                                                                                         |                        | cabinets                                                |
|                                      | Item                                                                                                                    | 1                      | Side-by-side refr                                       |
|                                      | *Thermostat and control panels that are easy to read and simple to operate                                              |                        | Cooktop/range                                           |
|                                      | *Rocker, touch light, or hands-free switches                                                                            | $\Box$                 | Extra outlets for                                       |
| [ ~                                  | *Extra electrical outlets near the bed (for medical equipment or rechargeable items,                                    | ]                      | Clear knee spac                                         |
|                                      | etc.) placed 18" to 24 above finished floor (bedroom only)                                                              |                        | sink, pipes mus                                         |
| [                                    | Lighted switches visible in the dark                                                                                    |                        | open knee spac                                          |
|                                      | Switched outlets for lamps, etc. to be turned on with wall switch                                                       |                        | self-storing door                                       |
| ]                                    | Electrical outlets, phone jacks, and data ports at least 18" above finished floor                                       |                        |                                                         |
|                                      | Light switches between 44"-48" above finished floor; thermostats no more than 48"                                       | Closets/Storage        | ltana                                                   |
|                                      | above finished floor                                                                                                    | Included? Page or Note |                                                         |
|                                      | Clear access space of 30" by 48" in front of switches, outlets, and controls                                            |                        | Area is well-lit w                                      |
|                                      | Audible and visual alarms for smoke/fire/carbon monoxide in all code-required                                           | ~                      | Doors and hand                                          |
|                                      | accessible areas and all units                                                                                          |                        | Adjustable-heigh                                        |
| Bathrooms                            |                                                                                                                         |                        | heights<br>Pull out-shelves                             |
| Included? Page or Note               | Item                                                                                                                    |                        | Full Out-Shelves                                        |
|                                      | *Countertops with beveled edges                                                                                         |                        |                                                         |
|                                      | *Adjustable-height showerhead or hand-held showerhead with flexible hose and                                            |                        |                                                         |
|                                      | easily operable controls                                                                                                |                        |                                                         |
|                                      | *Non-glare lighting at vanities                                                                                         |                        |                                                         |
|                                      | A full- or half-bath on the main floor with clear floor space of 30" x 48"                                              |                        |                                                         |
|                                      | Overhead light fixture in tub/shower                                                                                    |                        |                                                         |
|                                      | Mirror(s) placed for both standing and sitting, such as a full-length or tilting mirror                                 |                        |                                                         |
|                                      | Toilet centered at least 18" from any side wall, tub, or cabinet                                                        |                        |                                                         |
|                                      | In at least one bathroom per unit:                                                                                      |                        |                                                         |
|                                      | Low-threshold or curbless shower at least 5' x 3' OR ADA bathtub with seat                                              |                        |                                                         |
| I                                    | Clear knee space (at least 27" high) under sink. May be open knee space or                                              |                        |                                                         |
|                                      | achieved by means of removable vanity or fold-back or self-storing doors. Pipe                                          |                        |                                                         |
|                                      | protection panels must be provided to prevent contact with hot or sharp surfaces.                                       |                        |                                                         |
|                                      | Grab bars, or wall-blocking for future installation of grab bars, in tub/shower, and                                    |                        |                                                         |
|                                      | toilet. Grab bars must be properly anchored and supported.                                                              |                        |                                                         |
| 17th a bha an                        |                                                                                                                         |                        |                                                         |
| Kitchen                              | llan                                                                                                                    |                        |                                                         |
| Included? Page or Note               |                                                                                                                         |                        |                                                         |
| exception request                    | *At least 15" clear space on each side of stove, sink, and one side of fridge                                           |                        |                                                         |
|                                      |                                                                                                                         |                        |                                                         |
|                                      | 13                                                                                                                      |                        |                                                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DEANNA                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| use or rehabilitation with historic tax credits, specify<br>used to determine compliance with the Ohio Historic<br>ric Preservation Tax Credit programs.<br>tion tax credits from the Ohio State Historic Preservation Office (SHPO) and<br>orm with the Secretary of the Interior's "Standards for Rehabilitation" as                                                                                                                       | <ul> <li>Metals:         <ul> <li>Fire escapes will be repaired, scrapped, and painted. The existing exterior steel stair at 1609 Pleasant will be repaired, scrapped and painted. Metal security gates will be repaired, scrapped, painted and will receive new security hardware. Exterior guardrails and handrails will be repaired, secured, cleaned, and painted. New handrails will be installed at stairways and steps to comply with building code. New metal security guardrails around HVAC condensing units will be provided on Community Manor roofs.</li> </ul> </li> <li>Carpentry:         <ul> <li>All existing kitchen cabinets and countertops will be replaced with new kitchen cabinets and counters. Wood stairs including basement, common area, and dwelling unit stairs will be repaired as required. Interior wood banisters and handrails in both common areas and</li> </ul> </li> </ul>                                                                                                                                                                                         | <ul> <li>J. UNIVERSAL DESIGN COMPONENTS</li> <li>Select all of the below items that will be included in the development. Mandatory items are marked with an asterisk. Refer to the pages 29 and 68-70 of the <u>2022-2023 QAP</u> for more detail.</li> <li>Additionally, specify the architectural page reference, or if it will be covered by a general/universal plan note, mark "Note".</li> </ul>                                                                                                                                                                                                                                                                                                                                                    | L.<br>HEIL<br>10784<br>Deanna Hei                                                                                                              |
| <b>Dital Needs Assessment (PCNA) and Scope of Work</b><br>e information for all developments proposing<br>e reuse of a building at proposal submission,<br>A do not agree.                                                                                                                                                                                                                                                                   | <ul> <li>dwelling units will be repaired, secured. Wood banisters and handrails in common areas will be painted.</li> <li>Thermal and Moisture Protection:         <ul> <li>New shingle roofs (30 year warranty) or new energy efficient white TPO roofs (20 year warranty) will be constructed on all buildings. All components to the roof system including flashing, deteriorated roof sheathing, roof vents, gutters, and downspouts will be removed and replaced with new. New insulation including blown-in cellulose or fiberglass batt will be provided in unoccupied attic spaces to meet OHFA Limited Scope Rehabilitation Standards.</li> <li>Doors and Windows:</li> <li>Damaged building entry doors, interior common doors, unit doors and interior unit doors will either be repaired and painted or replaced with new. All door hardware will be replaced. New basement access doors will be installed flush to sidewalk where applicable. Windows at Community Manor will be replaced with the exception of commercial space windows and some of the attic windows.</li> </ul> </li> </ul> | <ul> <li>Which of the below threshold options will the development be seeking? (select one)</li> <li>All mandatory items + 10 additional in 50% of units</li> <li>All mandatory items + 5 additional in 100% of units</li> </ul> Entry Included? Page or Note Item <ul> <li>n/a - rehab</li> <li>*36"-wide (minimum) entry door with lever-style handle (mandatory for NC only)</li> <li>exception request Minimum 5' x 5' level clear space inside and outside entry door</li> <li>*Adequate non-glare lighting at walkways, accessible routes, and exterior spaces</li> <li>*Adequate lighting both inside and outside the building and unit entrance <ul> <li>*High visibility address numbers (both building and exterior units)</li> </ul></li></ul> | license no. 107<br>Expiration 12-31-<br>CITYSTUD<br>ARCHITEC<br>1148 Main<br>Cincinnati, O<br>ph. 513.62<br>citystudiosard                     |
| scription of the specific improvements that will be<br>attach additional pages if needed.<br>provide a description of their current state.<br>e walk areas as needed. All exterior security light fixtures will be replaced<br>will be added to new areas where lighting is not sufficient. Existing security<br>security intercom systems. New US Postal Services mail boxes will replace<br>s will be repaired and painted where required. | <ul> <li>Finishes and Appliances:<br/>New Energy Star refrigerators, ranges, and range hoods with "FireStop" fire protection will replace existing appliances. Damaged plaster/gypsum board surfaces throughout the building will be repaired and painted. All common space previously painted finishes will be repainted. Existing hardwood floors in common spaces will be refinished. Vinyl stair treads in common spaces and dwelling units will be replaced with new. Isolated cracked floor tile in kitchens and bathrooms will be replaced with new. Damaged marble transitions will be replaced with new. Bathroom wall tile and grout along wainscot and tub surrounds will be cleaned and repaired or resurfaced.</li> <li>Furnishings:<br/>All dwelling units will be provided with new horizontal louver blinds in all dwelling unit rooms. New vinyl coated closet wire shelves will be installed in closets. New medicine cabinets and new bathroom accessories including towel bars, toilet paper dispensers, and robe hooks will be provided.</li> <li>Plumbing:</li> </ul>                 | <ul> <li>n/a - rehab *Overhead weather protection at entrances (mandatory for NC only)</li> <li>Built-in shelf/bench/ledge located outside the door</li> <li>Nonslip surfaces on walkways and entryways</li> <li>Primary unit entry with an accessible/dual peephole and backlit doorbell</li> <li>Door locks that are easy to operate, such as keyless locks with remote control or keypad</li> <li>No-step entry (1/2" or less threshold) at main entrance</li> <li>Interior Stairs and Hallways</li> <li>Included? Page or Note Item</li> <li>*Adequate lighting to illuminate all stairway(s), landings, and hallway(s)</li> </ul>                                                                                                                    | G-E-J<br>engineering<br>220 Stewart Way, Suite<br>Monroe, Ohio 45050<br>513.549.1434<br>ENGINEER<br>BUILDING<br>SYSTEMS<br>515 Monmouth Street |
| ed in addition to exterior concrete stairs and landings.                                                                                                                                                                                                                                                                                                                                                                                     | <ul> <li>New plumbing work includes the replacement of the following with fixtures: high efficiency toilets, vanity sinks, and double bowl kitchen sinks. All faucets and shower valves will be replaced with new. New water heaters and sump pumps will be replaced with new as needed.</li> <li>HVAC:<br/>HVAC work will include the installation of new gas furnaces, thermostats, AC condensing units, exhaust fans, louver, diffusers, and grilles.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | exception request "Hallways with a minimum width of 42"         * Anti-slip strips on front edge of steps in color-contrast material         • Color contrast between stair treads and risers         Handrails on both sides of interior stairs         Interior Doors         Inskudad2 Base or Note. Item                                                                                                                                                                                                                                                                                                                                                                                                                                              | Newport, KY 41017<br>859-261-0585                                                                                                              |
| d brick will be replaced and damaged mortar will be tuck-pointed. Any<br>ding historical cornices and decorative elements. Areas of existing damaged,<br>tone or stone will be repaired. Structural anchors will be installed at key<br>will be repaired as required. Exterior stone retaining walls and the interior<br>a necessary. New fiber cement board siding will replace existing fiber cement                                       | • Electrical:<br>Electrical work will include the installation of new light fixtures, GFI outlets, switches, and cover plates for all switches and outlets<br>including TV, cable and data. New carbon monoxide/smoke detectors will also be installed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Included? Page or Note Item           exception request 34"-wide (minimum) doors leading to habitable room, allowing for a 32" minimum clearance           •         * Lever-style door hardware on all interior doors           •         * Interior maximum door threshold of ¼ inch beveled or flush           •         Pocket doors with easy-to-grip handles                                                                                                                                                                                                                                                                                                                                                                                        | NOR AND<br>STATES<br>TREET                                                                                                                     |
| s and cabinets                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2. General Contractor:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COMMUNITY M<br>PENDLETON 1<br>1221 JACKSON                                                                                                     |
| o illuminate sink, stove, and work areas<br>in wall cabinets<br>ut drawers<br>r the oven, refrigerator and/or microwave.<br>Ige of countertop or between the countertop and the<br>reezer                                                                                                                                                                                                                                                    | K. CERTIFICATION<br>We represent, warrant and certify to OHFA that the following does and will apply to the proposed development:<br>The Development will be designed and constructed to meet the requirements of all applicable laws, codes,<br>program guidelines, as well as the OHFA Design and Architectural Standards and specific features applicable to<br>the project as outlined in this form. This includes any and all local, state, or federal accessibility laws that<br>currently exist and apply to the project. Any additional cost of construction required for the Development to be in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the<br>Development will be constructed in accordance with any and all requirements as set forth in this form, the OHFA<br>Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy<br>documents.<br>I understand that I am obligated to know the federal, state and local accessibility laws applicable to the<br>Development and will build the project accordingly.                                                                                                                                                                                                                              |                                                                                                                                                |
| or side-mounted controls (senior units only)<br>bliances, electronics, etc.<br>t 27" high) under sink, counters, and/or cook tops. If under<br>otection and may not be in the required knee space. May be<br>eved by means of removable base cabinets or fold-back or                                                                                                                                                                        | compliance with any of these laws has been included in the development budget.<br>By signing this document, the owner, architect, and general contractor certify that the plans, specifications, and<br>features submitted as part of this application will become a minimum standard for the proposed development.<br>This hereby becomes a binding agreement for the actual construction intent if the development is awarded<br>OHFA funding.<br>OHFA does not take responsibility for design, construction, and plan review or any other municipal or building<br>department review or approval and in no way does this agreement supersede any requirement by such                                                                                                                                                                                                                                                                                                                                                                                                                                     | Model Construction, LLC513-559-0048bkeppler@modelgroup.netCompany/Firm NamePhone NumberEmail1826 Race Street, Cincinnati OH 45202Company/Firm AddressCompany/Firm AddressPresidentRobert KepplerPresidentPrinted Name (Firm Authorized Signatory)Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | POAH<br>modelgrou<br>development - construction - manage<br>DATE:<br>PART 2 SUI                                                                |
| ch located outside the space<br>re easy to operate. No bi-fold or accordion-type doors.<br>g and/or closet rods OR clothes rods installed at multiple<br>abinets, and other easy to access storage components                                                                                                                                                                                                                                | jurisdictions.<br>OHFA reserves the right to verify compliance with agreed-upon features including durability of materials,<br>accessibility, universal design, green building requirements and energy efficiency components.<br>1. Architect:<br>I certify that the plans, specifications, and scope of work for the Development meet, and will continue to meet,<br>any and all requirements including those set forth in this form, the OHFA Design and Architectural Standards,<br>and all other applicable laws, codes, program guidelines or policy documents.<br>I understand that I am contractually obligated to know the federal, state and local accessibility laws applicable                                                                                                                                                                                                                                                                                                                                                                                                                   | Signature       Date         3. Owner:       I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the Development shall be constructed in accordance with any and all requirements as set forth in this form, OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy documents.         The undersigned understands that any deviations from federal and state accessibility requirements are the responsibility of the Owner and, as such, Owner is responsible for such deviations.         Further, if for any reason, the features are not constructed in accordance with the requirements set forth above,                                  | 06.20                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                              | to the Development and have applied them accordingly. To the best of my professional knowledge and belief, I<br>agree that the Development as designed is in compliance with all applicable federal, state and local housing and<br>accessibility laws and regulations.<br>City Studios Architecture, LLC 513-621-0750 dheil@citystudiosarch.com<br>Company/Firm Name Phone Number Email<br>1148 Main Street, Cincinnati OH 45202<br>Company/Firm Address<br>Deanna Heil Principal Architect<br>Printed Name (Firm Authorized Signatory) Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Preservation of Affordable Housing       617-449-1001       agornstein@poah.org         Company/Firm Name:       Phone Number       Email         2 Oliver Street, Suite 500, Boston, MA 02109       Company/Firm Address         Aaron Gornstein       President & CEO         Printed Name (Firm Authorized Signatory)       Title                                                                                                                                                                                                                                                                                                                                                                                                                      | 07.03<br>PRELIMINARY<br>NOT FOR CONSTRU<br>OHFA DESIGN AND<br>CONSTRUCTION FEAT<br>FORM                                                        |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                           | Signature Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Signature Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A0.1                                                                                                                                           |

#### FINISH LOCATIONS

|                           |                   |             | DWELLIN           | <b>IG UNITS</b> |                |         |
|---------------------------|-------------------|-------------|-------------------|-----------------|----------------|---------|
| ROOM                      | FLOORS            | BASE        | DOOR AND<br>TRIM  | WALLS           | HANDRAILS      | CEILING |
| UNIT ENTRY (INSIDE UNIT)  | F3                | P6          | P9                | P1              | N/A            | P5      |
| LIVING/DINING ROOM        | F3                | P6          | P6                | P1, P2          | N/A            | P5      |
| KITCHEN                   | F1                | P6          | N/A               | P3              | N/A            | P5      |
| BATHROOM                  | F2                | P6          | P6                | P3, T1          | N/A            | P5      |
| BEDROOM                   | F3                | P6          | P6                | P1              | N/A            | P5      |
| CLOSET                    | F3                | P6          | P6                | P1              | N/A            | P5      |
| MECHANICAL                | UNFINISHED        | P6          | P6                | P1              | N/A            | P5      |
| HALLWAY                   | F3                | P6          | P6                | P1              | P7, P8         | P5      |
| INTERIOR STAIRS           | F4, P6            | P6          | N/A               | P1              | P7, P8         | P5      |
|                           |                   |             |                   |                 |                |         |
|                           |                   |             | COMMC             | on areas        |                |         |
| ROOM                      | FLOORS            | BASE        | DOORS AND<br>TRIM | WALLS           | HANDRAILS      | CEILING |
| BUILDING ENTRY            | F5, F6            | P15         | P10, P11          | P13, P14        | N/A            | P5      |
| CORRIDOR                  | F3, F5            | P15         | P10               | P13, P14        | P16 OR P17     | P5      |
| STAIRWAY                  | F4, P15           | P15         | P10               | P13, P14        | P16 OR P17     | P5      |
| UNIT ENTRY (OUTSIDE UNIT) | F3, F5, OR<br>P19 | P15         | P9                | P13, P14        | N/A            | P5      |
| BASEMENT                  | NO NEW FINI       | SHES,U.N.O. | P12               | NO NEW FIN      | NISHES, U.N.O. |         |
| UNOCCUPIED ATTIC SPACES   |                   |             | NO NEW FIN        | IISHES, U.N.O.  |                |         |

### GENERAL FINISH NOTES

GENERAL • APPLY FINISHES ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND DETAILS.

- PER L).

#### TOP COAT PAINT

 ALL UNIT SUBSTRATES, EXCEPT METAL: AT 1.4-1.7 DRY, PER COAT.

#### PAINT PREPARATION

PRIMERS

- SEAL AROUND PIPE PENETRATIONS. CAULK BETWEEN ELECTRIC BOX AND WALLBOARD.
- CEILING. 4. SEAL THE WALLBOARD TO THE CEILING AT THE TOP OF THE WALL (FULL PERIMETER OF THE CEILING).
- STAINS, SOME SCRUBBING MAY BE NECESSARY. DO NOT ALLOW THE CLEANER TO DRY ON THE SURFACE.

#### PAINT APPLICATION

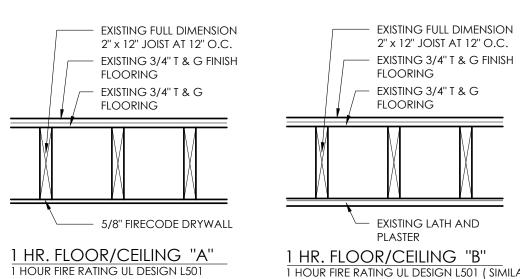
- BRUSH: USE A NYLON/POLYESTER BRUSH.
- ROLLER: USE A 3/8" 3/4" NAP SYNTHETIC COVER. • SPRAY—AIRLESS:

#### a. PRESSURE: 2000 PSI

b. TIP: 017"-.021"

#### FLOORS

- 13. MOISTURE TESTING IS REQUIRED IN BASEMENT OR SLAB ON GRADE UNITS.
- NECESSARY REPAIRS IN THEIR BID.
- WOOD BASE AND PAINT.
- 17. CLEAN EXISTING TILE AND GROUT TO REMAIN.





## TYPICAL FLOOR/CEILING ASSEMBLIES A0.2 3/4" = 1'-0"

#### FINISH SCHEDULE

• GYPSUM BOARD SUBSTRATE: SHERWIN WILLIAMS- PROMAR 200 ZERO VOC LATEX PRIMER, B28W2600, AT 4.0 MILS WET, 1.5 MILS DRY. • CONCRETE/ CONCRETE BLOCK SUBSTRATE: SHERWIN WILLIAMS- S-W PREPRITE BLOCK FILLER, B25W25, AT 100 TO 200 SQ. FT. PER GAL (2.4 TO 4.9 SQ. M WOOD SUBSTRATE: SHERWIN WILLIAMS- PREPRITE PROBLOCK PRIMER SEALER, B51-620 SERIES, AT 4.0 MILS WET, 1.4 MILS DRY • METAL SUBSTRATE: SHERWIN WILLIAMS- S-W PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, B66-310 SERIES, AT 5.0 TO 10 MILS WET, 2.0 TO 4.0 MILS DRY

SHERWIN WILLIAMS- PROMAR 200 ZERO VOC LATEX, B31-2600 SERIES, AT 4.0 MILS WET, 1.6 MILS DRY, PER COAT. • COMMON AREA, HIGH TRAFFIC + METAL SUBSTRATES: SHERWIN WILLIAMS- PRO INDUSTRIAL WATERBASED ALKYD URETHANE ENAMEL, B53-115- SERIES,

REMOVE HARDWARE, COVERS, PLATES, AND SIMILAR ITEMS ALREADY IN PLACE THAT ARE REMOVABLE AND ARE NOT TO BE PAINTED.

3. REMOVE VENTILATION AND HEATING/COOLING REGISTER GRILLES. EXTEND AND SEAL THE REGISTER BOOT DUCTWORK TO THE WALLBOARD OR

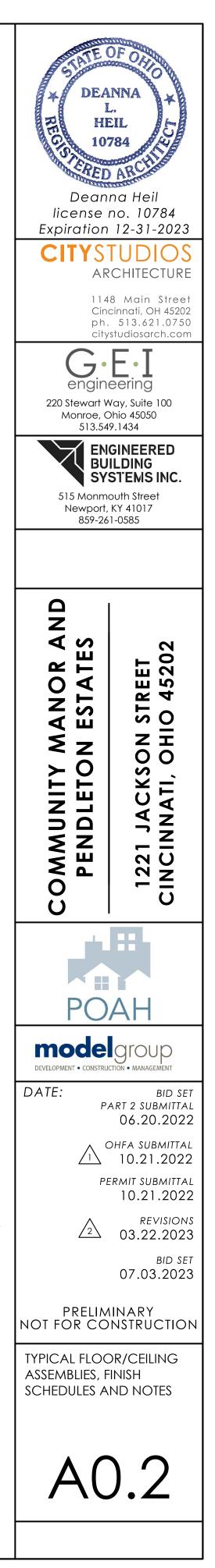
5. IF USING A DROPPED CEILING, ENSURE THE DEMISING WALLS ARE CONTINUOUS AND SEAL TO THE UNDERSIDE OF THE FLOOR DECK ABOVE. 6. CLEAN SUBSTRATES OF SUBSTANCES THAT COULD IMPAIR BOND OF PAINTS, INCLUDING DUST, DIRT, OIL, GREASE, AND INCOMPATIBLE PAINTS AND ENCAPSULATES USING A DAMP SPONGE OR CLOTH, WIPE TO REMOVE THE SURFACE DIRT AND MARKS AND ANY EXCESS CLEANER. FOR DIFFICULT

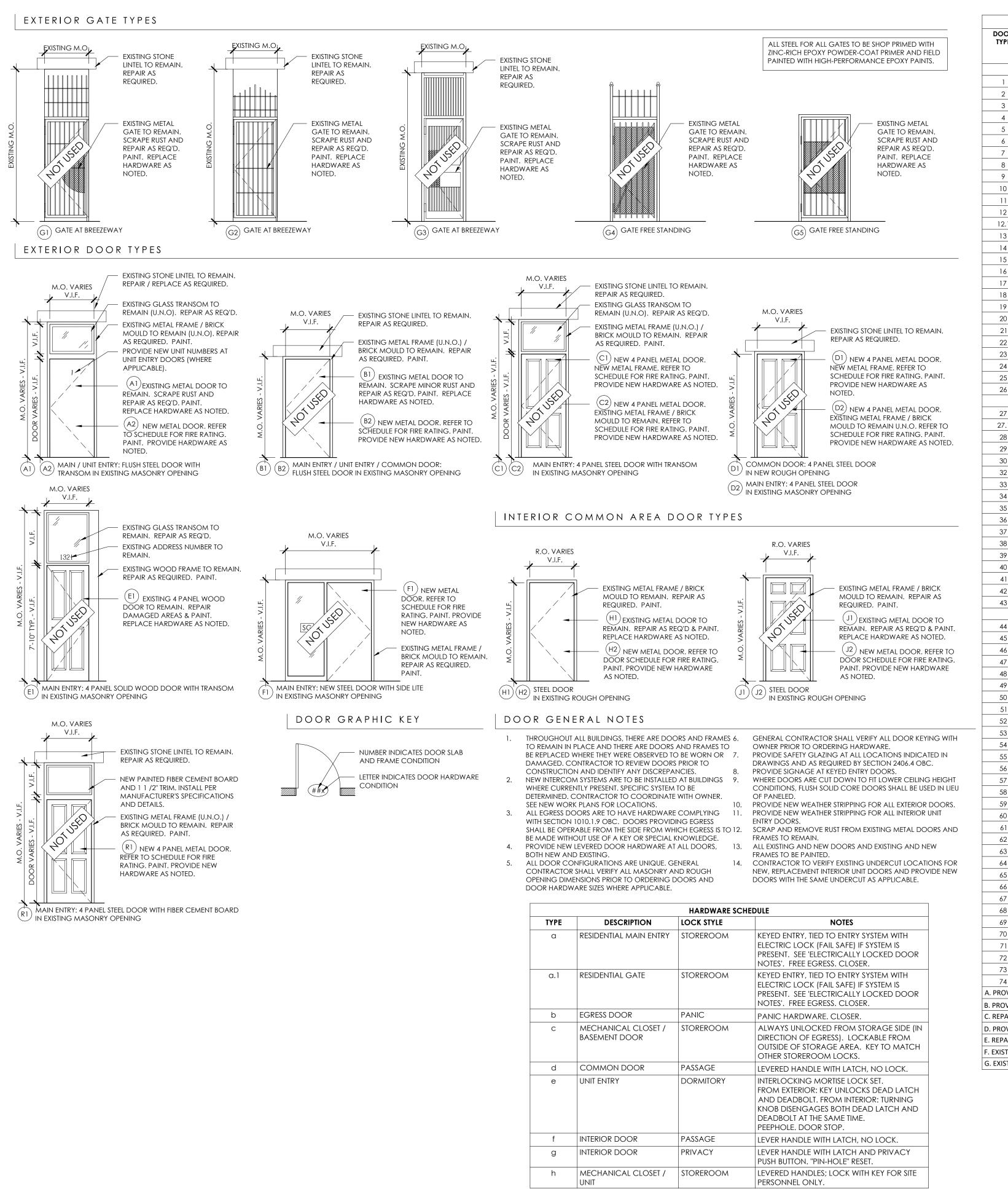
7. USE APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED.

8. APPLY PAINTS ONLY WHEN TEMPERATURE OF SURFACES TO BE PAINTED AND AMBIENT AIR TEMPERATURES ARE BETWEEN 50 AND 95 DEG F

14. CONTRACTOR MUST EVALUATE EXISTING SUBFLOOR CONDITION WHERE FLOOR FINISHES ARE TO BE REMOVED AND INCLUDE ASSOCIATED COSTS FOR 15. ALL NEW FLOORING REQUIRES A LEVEL SUBFLOOR FREE FROM CRACKS, BUMPS AND EXCESSIVE ADHESIVE RESIDUE FROM FORMER FLOORS. 16. ALL EXISTING HARDWOOD FLOORS TO BE REFINISHED. REMOVE AND REPLACE EXISTING TOE MOULD. PAINT NEW TOE MOULD. REPAIR EXISTING

| INITS                                   |          | DESCRIPTION                                                                                          | NOTES                                                                                                                                                                                                                                                                                                          |                                                                                                |
|-----------------------------------------|----------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| NITS                                    |          |                                                                                                      |                                                                                                                                                                                                                                                                                                                | PRODUCT COLOR/<br>BASIS OF DESIGN                                                              |
|                                         | P1       | WALL                                                                                                 | PAINT<br>REPAIR EXISTING GYPSUM BOARD AS REQUIRED AND PAINT. REFER TO GENERAL<br>FINISH NOTES.                                                                                                                                                                                                                 | SHERWIN WILLIAMS<br>6378 CRISP LINEN EGGSHELL                                                  |
|                                         | P2       | ACCENT WALL COLOR                                                                                    | REPAIR EXISTING GYPSUM BOARD AS REQUIRED AND PAINT. REFER TO GENERAL FINISH NOTES.                                                                                                                                                                                                                             | T.B.D.                                                                                         |
| INTERIOR DWELLING UNITS                 | P3       | KITCHEN AND BATH WALL                                                                                | REPAIR EXISTING MOLD AND MOISTURE RESISTANT GYPSUM BOARD AS REQUIRED<br>AND PAINT. FOR BATHROOMS WHERE SHOWER VALVES WERE REPLACED BY ACCESS<br>FROM ADJACENT ROOM FROM BEHIND, REPLACE DAMAGED GYPSUM BOARD WITH<br>NEW MOLD AND MOISTURE RESISTANT GYPSUM BOARD AND PAINT.<br>REFER TO GENERAL FINISH NOTES. | SHERWIN WILLIAMS<br>6378 CRISP LINEN EGGSHELL                                                  |
| -                                       | P4<br>P5 | KITCHEN PARTIAL WALL<br>BEADBOARD - WOOD<br>CEILING                                                  | REPAIR EXISTING WOOD BEADBOARD ON PARTIAL WALL AS REQUIRED AND PAINT.<br>REFER TO GENERAL FINISH NOTES.<br>REPAIR EXISTING GYPSUM BOARD AS REQUIRED AND PAINT. REFER TO GENERAL<br>FINISH NOTES.                                                                                                               | T.B.D.<br>SHERWIN WILLIAMS<br>7002 DOWNY FLAT                                                  |
| -                                       | P6       | DOOR, TRIM, AND INTERIOR<br>UNIT STAIR - WOOD                                                        | REPAIR EXISTING WOOD DOOR AND FRAME AS REQUIRED AND PAINT.<br>FOR STAIRS, CAULK GAPS AROUND RISERS, TREADS, AND STRINGERS. CAULK<br>BETWEEN STRINGERS AND WALLS. REFER TO GENERAL FINISH NOTES.                                                                                                                | SHERWIN WILLIAMS<br>7102 WHITE FLOUR                                                           |
| -                                       | P7       | HANDRAIL COMPONENT -<br>METAL                                                                        | SECURE EXISTING METAL HANDRAIL COMPONENTS AS REQUIRED. REPAIR OR<br>REPLACE DAMAGED OR RUSTED PARTS AS REQUIRED AND PAINT. REFER TO<br>GENERAL FINISH NOTES.                                                                                                                                                   | T.B.D.                                                                                         |
| -                                       | P8<br>P9 | HANDRAIL COMPONENT -<br>WOOD<br>UNIT ENTRY DOOR - METAL                                              | SECURE EXISTING WOOD HANDRAILS AS REQUIRED. REPLACE DAMAGED<br>COMPONENTS AS REQUIRED AND PAINT. REFER TO GENERAL FINISH NOTES.<br>PREPARE DOOR SUBSTRATE AND PAINT. REFER TO DOOR SCHEDULE AND TO                                                                                                             | SHERWIN WILLIAMS<br>7102 WHITE FLOUR<br>T.B.D.                                                 |
| ß                                       | P10      | BUILDING ENTRY DOOR -                                                                                | GENERAL FINISH NOTES.<br>PREPARE DOOR SUBSTRATE AND PAINT. REFER TO DOOR SCHEDULE AND TO                                                                                                                                                                                                                       | T.B.D.                                                                                         |
| I SPAC                                  | P11      | METAL<br>BUILDING ENTRY DOOR -                                                                       | GENERAL FINISH NOTES.<br>PREPARE DOOR SUBSTRATE AND PAINT. REFER TO DOOR SCHEDULE AND TO                                                                                                                                                                                                                       | T.B.D.                                                                                         |
| NOMM                                    | P12      | WOOD<br>COMMON DOOR -<br>METAL                                                                       | GENERAL FINISH NOTES.<br>PREPARE DOOR SUBSTRATE AND PAINT. REFER TO DOOR SCHEDULE AND TO<br>GENERAL FINISH NOTES.                                                                                                                                                                                              | T.B.D.                                                                                         |
|                                         | P13      | WALL                                                                                                 | REPAIR EXISTING GYPSUM BOARD AND PAINT. REFER TO GENERAL FINISH NOTES.                                                                                                                                                                                                                                         | SHERWIN WILLIAMS<br>6378 CRISP LINEN EGGSHELL                                                  |
| INTERIOR COMMON SPAC                    | P14      | WAINSCOT - WOOD                                                                                      | REPAIR OR REPLACE DAMAGED WAINSCOT AS REQUIRED AND PAINT. REFER TO GENERAL FINISH NOTES.                                                                                                                                                                                                                       | T.B.D.                                                                                         |
|                                         | P15      | CORRIDOR STAIR - WOOD                                                                                | REPAIR OR REPLACE DAMAGED STAIR COMPONENTS (RISERS, TREAD, STRINGERS,<br>TRIM) AS REQUIRED. CAULK GAPS AROUND RISERS, TREADS, AND STRINGERS. CAULK<br>BETWEEN STRINGERS AND WALLS. PAINT. REFER TO GENERAL FINISH NOTES.                                                                                       | T.B.D.                                                                                         |
|                                         | P16      | HANDRAIL - WOOD<br>HISTORICAL                                                                        | SECURE EXISTING HISTORIC WOOD POSTS, BALUSTERS, HANDRAILS. REPAIR OR<br>REPLACE DAMAGED COMPONENTS AS REQUIRED TO MATCH EXISTNG. REFER TO<br>GENERAL FINISH NOTES.                                                                                                                                             | T.B.D.                                                                                         |
| EXTERIOR                                | P17      | EXTERIOR WOOD (EXTERIOR<br>CEILINGS - BREEZEWAYS, TRIMS,<br>CORNICES)                                | REFER TO GENERAL FINISH NOTES FOR WOOD SUBSTRATE. REFER TO NEW WORK<br>ELEVATIONS AND PLANS (FOR CEILING INFORMATION) FOR COLOR SCHEMES.                                                                                                                                                                       | ELEVEN (11) COLORS T.B.D:<br>A, B, C, D, E, F, G, H, J, K, L                                   |
| Ш —                                     | P18      | EXTERIOR STONE (ACCENT)                                                                              | REFER TO GENERAL FINISH NOTES FOR STONE SUBSTRATE. REFER TO NEW WORK ELEVATIONS FOR COLOR SCHEMES.                                                                                                                                                                                                             | TWO (2) COLORS T.B.D.:<br>M, N                                                                 |
|                                         | P19      | FIRE ESCAPE - METAL                                                                                  | REMOVE RUST AND PROVIDE RUST INHIBITIVE PAINT. REFER TO NEW WORK<br>ELEVATIONS FOR COLOR SCHEMES.                                                                                                                                                                                                              | TWO (2) COLORS T.B.D.:<br>P, Q                                                                 |
|                                         | P20      | EXTERIOR METAL<br>(STOREFRONTS, GATES, FENCES,<br>GUARDRAILS, HANDRAILS,<br>BASEMENT SIDEWALK DOORS) | SECURE EXISTING METAL GUARDRAILS AND HANDRAILS. REPLACE OR REPAIR<br>DAMAGED OR RUSTED COMPONENTS AS REQUIRED. PROVIDE RUST INHIBITIVE<br>PAINT. REFER TO GENERAL FINISH NOTES. REFER TO NEW WORK ELEVATIONS FOR<br>COLOR SCHEMES.                                                                             | FIVE (5) COLORS T.B.D.:<br>R, S, S.1, T, U                                                     |
|                                         | P21      | EXTERIOR STUCCO/PARGE                                                                                | REFER TO GENERAL FINISH NOTES. REFER TO NEW WORK ELEVATIONS FOR COLOR SCHEMES.                                                                                                                                                                                                                                 | ONE (1) COLOR T.B.D: V                                                                         |
|                                         |          | EXTERIOR FIBER CEMENT<br>BOARD (ABOVE MAIN ENTRY<br>DOORS 1320 REPUBLIC)                             | REFER TO GENERAL FINISH NOTES. REFER TO NEW WORK ELEVATIONS FOR COLOR<br>SCHEMES.                                                                                                                                                                                                                              | ONE (1) COLOR T.B.D.: W                                                                        |
|                                         | P23      | EXTERIOR CONCRETE<br>(WALL IN REAR YARD 1221<br>JACKSON)                                             | REFER TO GENERAL FINISH NOTES FOR BRICK SUBSTRATE. REFER TO NEW WORK<br>ELEVATIONS FOR COLOR SCHEMES.                                                                                                                                                                                                          | ONE (1) COLOR T.B.D.: X                                                                        |
|                                         |          |                                                                                                      | FLOORS                                                                                                                                                                                                                                                                                                         |                                                                                                |
| DWELLING UNITS                          | Fl       | KITCHEN CERAMIC FLOOR TILE<br>(EXISTING)                                                             | CLEAN TILE.<br>REPAIR AND CLEAN GROUT.<br>REPLACE ISOLATED DAMAGED TILES WITH NEW. MATCH EXISTING COLOR. SEE NEW<br>WORK PLAN DRAWINGS FOR LOCATIONS.                                                                                                                                                          | MATCH EXISTING TILE AND<br>GROUT COLOR                                                         |
| DWELL                                   | F2       | BATHROOM CERAMIC FLOOR<br>TILE<br>(EXISTING)                                                         | CLEAN TILE.<br>REPAIR AND CLEAN GROUT.<br>REPLACE ISOLATED DAMAGED TILES WITH NEW. MATCH EXISTING COLOR. SEE NEW<br>WORK PLAN DRAWINGS FOR LOCATIONS.                                                                                                                                                          | MATCH EXISTING TILE AND<br>GROUT COLOR                                                         |
| DWELLING<br>UNITS &<br>COMMON<br>SPACES | F3       | HARDWOOD FLOOR<br>(EXISTING)                                                                         | REFINISH EXISTING HARDWOOD.<br>REMOVE AND REPLACE EXISTING SHOE MOLDS WITH NEW PAINTED SHOE MOLDS.                                                                                                                                                                                                             | MATCH EXISTING COLOR<br>FINISH                                                                 |
| DWEI<br>UNI<br>SPA                      | F4 (     | RUBBER TREADS<br>ON WOOD STAIR                                                                       | REMOVE EXISTING TREADS. REPAIR, CLEAN, AND PAINT WOOD STAIRS AS REQUIRED.<br>PROVIDE NEW RUBBER TREADS. OFFSET RUBBER STAIR TREAD BY 1" ON BOTH SIDES IN<br>COMMON SPACE STAIRS ONLY. REFER TO GENERAL FINISH NOTES.                                                                                           | JOHNSONITE<br>FULL RUBBER STAIR TREAD<br>22 PEARL CB                                           |
| COM<br>MON<br>SPACE<br>S                | F5       | QUARY TILES<br>(EXISTING)                                                                            | CLEAN QUARRY TILE.<br>REPAIR AND CLEAN GROUT.<br>REPLACE ISOLATED CRACKED TILES AS NEEDED.                                                                                                                                                                                                                     | MATCH EXISTING TILE AND<br>GROUT COLOR                                                         |
| S                                       | Tl       | EXISTING BATHROOM WALL                                                                               | EXISTING WAINSCOT TO REMAIN.                                                                                                                                                                                                                                                                                   | MATCH EXISTING TILE AND                                                                        |
| DWELLING UNITS                          |          | CERAMIC TILE                                                                                         | CLEAN TILE AND REPLACE ISOLATED DAMAGED TILES.<br>REPLACE GROUT.                                                                                                                                                                                                                                               | GROUT COLOR                                                                                    |
| DWELL                                   |          |                                                                                                      | TILE TUB SURROUND TO REMAIN.<br>CLEAN TILE AND REPLACE ISOLATED DAMAGED TILES.<br>REPLACE GROUT.                                                                                                                                                                                                               | ALTERNATES 1 AND 2<br>(RESURFACING INFO) -<br>* PREFERRED PRODUCTS:                            |
|                                         |          |                                                                                                      | IN AREAS WHERE A PORTION OF TUB SURROUND HAS BEEN REMOVED TO PREPLACE<br>SHOWER VALVE, REPAIR WITH MOLD/MOISTURE RESISTANT GYPSUM BOARD AND<br>NEW WALL TILES AND GROUT TO MATCH EXISTING.                                                                                                                     | 1. MIDWEST CHEMICALS -<br>PROTECTHANE<br>2. HAWK RESEARCH<br>LABORATORIES, INC ISOFREE<br>PLUS |
|                                         |          |                                                                                                      | ALTERNATE 1 (A1) BATHROOM WAINSCOT<br>REPLACE ISOLATED DAMAGED TILES. RESURFACE TILE WAINSCOT WITH PREFERRED<br>RESURFACING PRODUCT* PER MANUFACTURER'S INSTRUCTIONS.                                                                                                                                          | 3. DIVERSIFIED COATINGS -<br>ISOFREE                                                           |
|                                         |          |                                                                                                      | ALTERNATE 2 (A2) BATHTUB TILE SURROUND<br>REPLACE ISOLATED DAMAGED TILES. RESURFACE TUB SURROUND WITH PREFERRED<br>PRODUCT* PER MANUFACTURER'S INSTRUCTIONS.                                                                                                                                                   |                                                                                                |

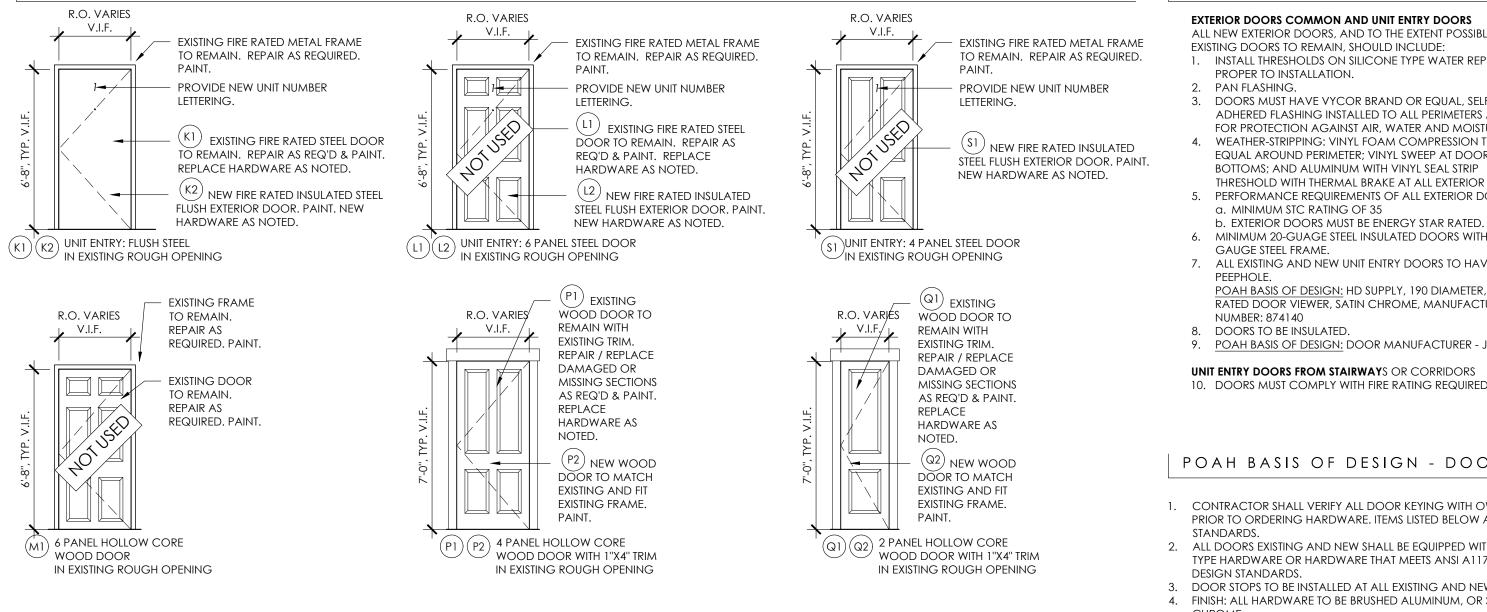


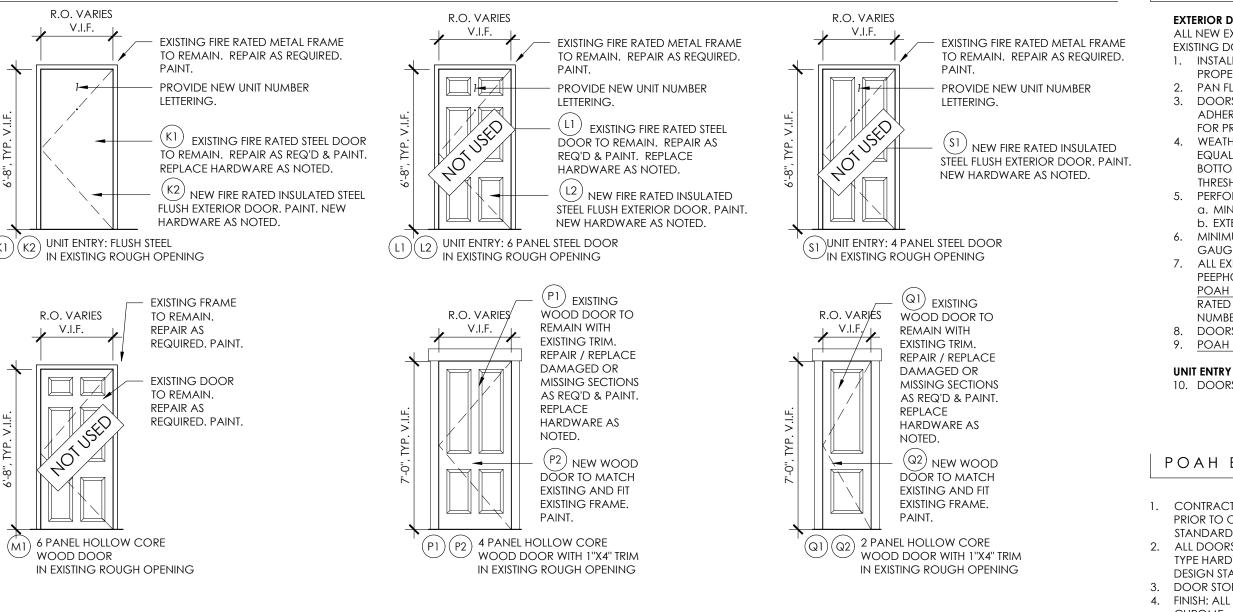


|                                                                                                                                                                |                                         |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                             |                                          | D                          | OOR SCHE                                                     |                                         |                  |          |                         |                |                |                 |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------|------------------------------------------|----------------------------|--------------------------------------------------------------|-----------------------------------------|------------------|----------|-------------------------|----------------|----------------|-----------------|--------|
| DOOR<br>TYPE                                                                                                                                                   | DO<br>EXIST-IN<br>G                     | OR<br>NEW                                    | SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DOOR<br>STYLE                             | HEAD DTL                    | JAMB DTL                                 | SILL DTL                   | DOOR<br>FIRE<br>RATING                                       | DOOR                                    | FR/<br>EXIST-ING | AME      | FRAME<br>FIRE<br>RATING | FRAME          | DOOR<br>FINISH | FRAME<br>FINISH | NOTES  |
|                                                                                                                                                                |                                         |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                             |                                          |                            | EXTERIOR DO                                                  | ORS                                     |                  |          |                         |                |                |                 |        |
| 1                                                                                                                                                              | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Al                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 2                                                                                                                                                              |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A2                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 3                                                                                                                                                              |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 4<br>5                                                                                                                                                         |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   |                  | •        | 90 MIN                  | STEEL          | PAINT          | PAINT           | А, В   |
| <u> </u>                                                                                                                                                       |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B2                                        |                             |                                          | NO                         |                                                              | STEEL                                   |                  | •        | _                       | STEEL          | PAINT          | PAINT           | A      |
| 7                                                                                                                                                              | •                                       | -                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B1                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                | •        | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 8                                                                                                                                                              |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 9                                                                                                                                                              |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   |                  | •        | 90 MIN                  | STEEL          | PAINT          | PAINT           | A      |
| 10                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D2                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 11                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C2                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | F, G   |
| 12                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C1                                        |                             |                                          |                            | -                                                            | STEEL                                   |                  | •        | -                       | STEEL          | PAINT          | PAINT           | A      |
| 12.1                                                                                                                                                           |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D1                                        |                             |                                          |                            | -                                                            | STEEL                                   |                  | •        | -                       | STEEL          | PAINT          | PAINT           | A      |
| 13                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | F, G   |
| 14<br>15                                                                                                                                                       |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.<br>± 3'-0" x 6'-8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C1<br>D1                                  |                             |                                          |                            | 90 MIN<br>60 MIN                                             | STEEL<br>STEEL                          |                  | •        | 90 MIN<br>60 MIN        | STEEL<br>STEEL | PAINT<br>PAINT | PAINT           | A      |
| 16                                                                                                                                                             |                                         | •                                            | ± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C1                                        |                             |                                          |                            | -                                                            | STEEL                                   |                  | •        | -                       | STEEL          | PAINT          | PAINT           | A, B   |
| 17                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R1                                        |                             |                                          |                            | -                                                            | STEEL                                   |                  | •        | _                       | STEEL          | PAINT          | PAINT           | A      |
| 18                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R1                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   |                  | •        | 90 MIN                  | STEEL          | PAINT          | PAINT           | A      |
| 19                                                                                                                                                             |                                         | •                                            | ± 2'-6" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   |                  | •        | 90 MIN                  | STEEL          | PAINT          | PAINT           | A      |
| 20                                                                                                                                                             | •                                       |                                              | ± 2'-10" x 7'-10" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | E1                                        |                             |                                          |                            | -                                                            | WOOD                                    | •                |          | -                       | WOOD           | PAINT          | PAINT           | С      |
| 21                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | F1                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 22                                                                                                                                                             | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | G1                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 23                                                                                                                                                             | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | G2                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 24<br>25                                                                                                                                                       | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.<br>± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | G3<br>G4                                  |                             |                                          |                            | -                                                            | STEEL<br>STEEL                          | •                |          | -                       | STEEL<br>STEEL | PAINT<br>PAINT | PAINT<br>PAINT  | G<br>G |
| 25                                                                                                                                                             | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | G4<br>G5                                  |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
|                                                                                                                                                                |                                         | I                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           | 1                           | <u> </u>                                 | INTERIO                    | R COMMON A                                                   |                                         |                  | <u> </u> | 1                       | ~              |                |                 | 1 -    |
| 27                                                                                                                                                             | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Н1                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 27.1                                                                                                                                                           |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B2                                        |                             |                                          |                            | -                                                            | STEEL                                   |                  | •        | -                       | STEEL          | PAINT          | PAINT           | A      |
| 28                                                                                                                                                             | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H1                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 29                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 30                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   |                  | •        | 60 MIN                  | STEEL          | PAINT          | PAINT           | A      |
| 32                                                                                                                                                             | •                                       |                                              | ± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HI                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 33                                                                                                                                                             |                                         | •                                            | ± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H2                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 34<br>35                                                                                                                                                       |                                         | •                                            | ± 2'-8" x 6'-8" V.I.F.<br>± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H2<br>H1                                  |                             |                                          |                            | -<br>90 MIN                                                  | STEEL<br>STEEL                          | •                |          | -<br>90 MIN             | STEEL<br>STEEL | PAINT<br>PAINT | PAINT<br>PAINT  | G      |
| 36                                                                                                                                                             | •                                       | •                                            | ± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H1<br>H2                                  |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 37                                                                                                                                                             | •                                       |                                              | ± 2'-6" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H1                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 38                                                                                                                                                             |                                         | •                                            | ± 2'-6" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   |                  | •        | 90 MIN                  | STEEL          | PAINT          | PAINT           | A      |
| 39                                                                                                                                                             |                                         | 1                                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                             |                                          | NO                         | T USED                                                       |                                         |                  |          |                         |                |                |                 |        |
| 40                                                                                                                                                             | •                                       |                                              | ± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Jl                                        |                             |                                          |                            | -                                                            | STEEL                                   | •                |          | -                       | STEEL          | PAINT          | PAINT           | G      |
| 41                                                                                                                                                             | •                                       |                                              | ± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Jl                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 42<br>43                                                                                                                                                       |                                         |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                             |                                          |                            | T USED                                                       |                                         |                  |          |                         |                |                |                 |        |
| 43                                                                                                                                                             |                                         |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                             |                                          |                            |                                                              | NIT DOORS                               |                  |          |                         |                |                |                 |        |
| 44                                                                                                                                                             | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | KI                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 45                                                                                                                                                             |                                         | •                                            | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | K2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 46                                                                                                                                                             | •                                       |                                              | ± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | К1                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 47                                                                                                                                                             | •                                       |                                              | ± 2'-6" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P1                                        |                             |                                          |                            | 60 MIN                                                       | STEEL                                   | •                |          | 60 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 48                                                                                                                                                             |                                         | •                                            | ± 2'-8" x 7'-0" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | K2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 49                                                                                                                                                             | •                                       |                                              | ± 2'-8" x 8'-0" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | K1                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 50                                                                                                                                                             |                                         | •                                            | ± 2'-8" x 8'-0" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | K2                                        |                             |                                          |                            | 90 MIN                                                       | STEEL                                   | •                |          | 90 MIN                  | STEEL          | PAINT          | PAINT           | G      |
| 51<br>52                                                                                                                                                       | •                                       | -                                            | ± 2'-8" x 6'-8" V.I.F.<br>± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L1<br>L2                                  |                             |                                          |                            | 90 MIN<br>90 MIN                                             | STEEL<br>STEEL                          | •                |          | 90 MIN<br>90 MIN        | STEEL<br>STEEL | PAINT<br>PAINT | PAINT<br>PAINT  | G<br>G |
| 52<br>53                                                                                                                                                       | •                                       | •                                            | ± 2'-8" x 6'-8" V.I.F.<br>± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | M1                                        |                             |                                          |                            | 90 MIN<br>-                                                  | HW                                      | •                |          | 90 MIN                  | STEEL<br>HW    | PAINI<br>PAINT | PAINI<br>PAINT  | E      |
| 53<br>54                                                                                                                                                       | •                                       |                                              | ± 2'-6" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M1<br>M1                                  |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 55                                                                                                                                                             | •                                       |                                              | ± 2'-4" x 8'-0" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M1                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 56                                                                                                                                                             | •                                       |                                              | ± 2'-2" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M1                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 57                                                                                                                                                             | •                                       |                                              | ± 2'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M1                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 58                                                                                                                                                             | •                                       |                                              | ± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P1                                        |                             |                                          |                            | -                                                            | НW                                      | •                |          | -                       | НW             | PAINT          | PAINT           | E      |
| 59                                                                                                                                                             | •                                       |                                              | ± 2'-10" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | P1                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 60                                                                                                                                                             | •                                       |                                              | ± 2'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P1                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | НW             | PAINT          | PAINT           | E      |
| 61                                                                                                                                                             | •                                       |                                              | ± 2'-6" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P1                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 62                                                                                                                                                             |                                         | •                                            | ± 2'-6" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P2                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 10                                                                                                                                                             | •                                       | •                                            | ± 2'-6" x 6'-8" V.I.F.<br>± 2'-4" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | P2<br>P1                                  |                             |                                          |                            | -                                                            | HW<br>HW                                | •                | •        | -                       | HW<br>HW       | PAINT          | PAINT<br>PAINT  | D<br>E |
| 63<br>64                                                                                                                                                       | -                                       | •                                            | ± 2'-4" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P1<br>P2                                  |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 64                                                                                                                                                             |                                         |                                              | ± 2'-2" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P1                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          |                         | HW             | PAINT          | PAINT           | E      |
|                                                                                                                                                                | •                                       | •                                            | ± 2'-2" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P2                                        |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 64<br>65                                                                                                                                                       | •                                       |                                              | ± 2'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Q1                                        |                             |                                          |                            | -                                                            | НW                                      | •                |          | -                       | НW             | PAINT          | PAINT           | E      |
| 64<br>65<br>66                                                                                                                                                 | •                                       |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Q1                                        |                             |                                          |                            | -                                                            | НW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 64<br>65<br>66<br>67                                                                                                                                           |                                         |                                              | ± 1'-10" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                             |                                          |                            | -                                                            | НW                                      | •                |          | -                       | НW             | PAINT          | PAINT           | E      |
| 64<br>65<br>66<br>67<br>68<br>69<br>70                                                                                                                         | •                                       |                                              | ± 1'-8" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Q1                                        |                             | i la | I                          | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 64<br>65<br>66<br>67<br>68<br>69<br>70<br>71                                                                                                                   | •                                       |                                              | ± 1'-8" x 6'-8" V.I.F.<br>± 1'-6" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Q1                                        |                             |                                          |                            |                                                              |                                         |                  | 1        | -                       | НW             |                | PAINT           | E      |
| 64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72                                                                                                             | •                                       |                                              | ± 1'-8" x 6'-8" V.I.F.<br>± 1'-6" x 6'-8" V.I.F.<br>± 1'-4" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Q1<br>Q1                                  |                             |                                          |                            | -                                                            | HW                                      | •                |          |                         |                | PAINT          |                 |        |
| 64       65       66       67       68       69       70       71       72       73                                                                            | •                                       |                                              | ± 1'-8" x 6'-8" V.I.F.<br>± 1'-6" x 6'-8" V.I.F.<br>± 1'-4" x 6'-8" V.I.F.<br>± 1'-2" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Q1<br>Q1<br>Q1                            |                             |                                          |                            | -                                                            | HW                                      | •                |          | -                       | HW             | PAINT          | PAINT           | E      |
| 64       65       66       67       68       69       70       71       72       73       74                                                                   | • • • • • • • • • • • • • • • • • • • • | •<br>TED META                                | ± 1'-8" x 6'-8" V.I.F.<br>± 1'-6" x 6'-8" V.I.F.<br>± 1'-4" x 6'-8" V.I.F.<br>± 1'-2" x 6'-8" V.I.F.<br>± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Q1<br>Q1<br>Q1<br>\$1                     |                             | SCHEDUNE ED                              | R FIRE RATING              | -<br>90 MIN                                                  | HW<br>STEEL                             | •                |          |                         |                |                |                 |        |
| <ul> <li>64</li> <li>65</li> <li>66</li> <li>67</li> <li>68</li> <li>69</li> <li>70</li> <li>71</li> <li>72</li> <li>73</li> <li>74</li> <li>ROVIDE</li> </ul> |                                         | TED META                                     | ± 1'-8" × 6'-8" ∨.I.F.<br>± 1'-6" × 6'-8" ∨.I.F.<br>± 1'-4" × 6'-8" ∨.I.F.<br>± 1'-2" × 6'-8" ∨.I.F.<br>± 3'-0" × 6'-8" ∨.I.F.<br>L DOOR FRAME IN EXIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Q1<br>Q1<br>Q1<br>S1<br>TING LOCAT        |                             |                                          |                            | -<br>90 MIN<br>6 REQUIREMEN                                  | HW<br>STEEL<br>NT OF FRAM               | •<br>•<br>IE.    |          | -                       | HW             | PAINT          | PAINT           | E      |
| 64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>ROVIDE                                                                                       |                                         | TED META                                     | ± 1'-8" x 6'-8" V.I.F.<br>± 1'-6" x 6'-8" V.I.F.<br>± 1'-4" x 6'-8" V.I.F.<br>± 1'-2" x 6'-8" V.I.F.<br>± 3'-0" x 6'-8" V.I.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Q1<br>Q1<br>S1<br>TING LOCAT<br>ON DOOR A | AND FRAME TO                | FIRE RATING                              | ON TRANSOM                 | -<br>90 MIN<br>5 REQUIREMEN<br>. REFER TO DO                 | HW<br>STEEL<br>NT OF FRAM<br>OOR SCHEDU | •<br>IE.<br>JLE. |          | -                       | HW             | PAINT          | PAINT           | E      |
| 64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>OVIDE<br>OVIDE<br>PAIR V                                                                     |                                         | TED META<br>S TRANSO<br>EDGES AN             | $\begin{array}{c} \pm 1'-8'' \times 6'-8'' \ V.I.F. \\ \pm 1'-6'' \times 6'-8'' \ V.I.F. \\ \pm 1'-4'' \times 6'-8'' \ V.I.F. \\ \pm 1'-2'' \times 6'-8'' \ V.I.F. \\ \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array}$ $\begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \hline \\ L \ DOOR \ FRAME \ IN \ EXIS'' \\ \hline M. \ MATCH \ FIRE \ RATING \end{array}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Q1<br>Q1<br>S1<br>TING LOCAT<br>ON DOOR A | AND FRAME TO                | FIRE RATING                              | ON TRANSOM                 | -<br>90 MIN<br>5 REQUIREMEN<br>. REFER TO DO                 | HW<br>STEEL<br>NT OF FRAM<br>OOR SCHEDU | •<br>IE.<br>JLE. |          | -                       | HW             | PAINT          | PAINT           | E      |
| 54<br>55<br>56<br>57<br>58<br>59<br>70<br>71<br>72<br>73<br>74<br>74<br>74<br>74<br>74<br>74<br>74<br>74<br>74<br>74<br>74<br>74<br>74                         |                                         | TED META<br>S TRANSO<br>EDGES AN<br>TED WOOI | $ \begin{array}{c} \pm 1'-8'' \times 6'-8'' \ V.I.F. \\ \pm 1'-6'' \times 6'-8'' \ V.I.F. \\ \pm 1'-4'' \times 6'-8'' \ V.I.F. \\ \pm 1'-2'' \times 6'-8'' \ V.I.F. \\ \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \end{array} $ \\ \begin{array}{c} \pm 3'-0'' \times 6'-8'' \ V.I.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array} \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array}  \\ \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array}  \\ \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ \end{array}  \\ \begin{array}{c} \pm 3'-0'' \ V.F. \\ | Q1<br>Q1<br>S1<br>TING LOCAT<br>ON DOOR A | AND FRAME TO<br>WOOD DOOR A | ) FIRE RATING<br>AND FRAME AS            | ON TRANSOM<br>REQUIRED. P. | -<br>90 MIN<br>5 REQUIREMEN<br>. REFER TO DO<br>AINT TO MATO | HW<br>STEEL<br>NT OF FRAM<br>OOR SCHEDU | •<br>IE.<br>JLE. |          | -                       | HW             | PAINT          | PAINT           | E      |

| TE                                                                          | OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |
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| RZ V M                                                                      | NNA NNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |
| R HI                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |
|                                                                             | ARCHINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |
| license i                                                                   | Deanna Heil<br>license no. 10784<br>Expiration 12-31-2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |  |
| CITYS                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |
| 114<br>Cine                                                                 | 8 Main Street<br>cinnati, OH 45202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |
|                                                                             | 513.621.0750<br>studiosarch.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |
| engine<br>220 Stewart W<br>Monroe, C<br>513.54                              | )hio 45050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |  |
| BU                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |
| 859-26                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |
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| AND                                                                         | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |
| ANOR A<br>ESTATES                                                           | REET<br>4520:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |
| A A N<br>E S 1                                                              | ST<br>IO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |
| < 7                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |
| TY /                                                                        | KSO<br>I, O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |  |
| UNITY /                                                                     | JACKSC<br>INATI, O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |
| MMUNITY N<br>PENDLETON                                                      | 221 JACKSC<br>VCINNATI, O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |  |
| COMMUNITY MANOR AND<br>PENDLETON ESTATES                                    | 1221 JACKSON<br>CINCINNATI, OH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |
|                                                                             | 1221 JACKSC<br>CINCINNATI, O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |  |
|                                                                             | H<br>1221 JACKSC<br>CINCINNATI, O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |
|                                                                             | <b>B</b><br>AH<br>group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |
| PO<br>DATE:                                                                 | BID SET<br>ART 2 SUBMITTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |  |
| PO<br>PO<br>DEVELOPMENT • CONSTRUC<br>DATE:<br>P                            | BID SET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |
| PO<br>PO<br>DEVELOPMENT • CONSTRUCE<br>DATE:<br>P                           | BID SET<br>ART 2 SUBMITTAL<br>06.20.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |
| PO<br>PO<br>DEVELOPMENT • CONSTRUCE<br>DATE:<br>P                           | BID SET<br>ART 2 SUBMITTAL<br>06.20.2022<br>DHFA SUBMITTAL<br>10.21.2022<br>ERMIT SUBMITTAL<br>10.21.2022<br>REVISIONS<br>03.22.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |
| PO<br>PO<br>DEVELOPMENT • CONSTRUCE<br>DATE:<br>P                           | BID SET<br>ART 2 SUBMITTAL<br>06.20.2022<br>DHFA SUBMITTAL<br>10.21.2022<br>ERMIT SUBMITTAL<br>10.21.2022<br>REVISIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |  |
| PO<br>PO<br>DEVELOPMENT • CONSTRUCE<br>DATE:<br>P                           | AH<br>STOLE<br>STOLE<br>STOLE<br>ACT 2 SUBMITTAL<br>06.20.2022<br>DHFA SUBMITTAL<br>10.21.2022<br>STANIT SUBMITTAL<br>10.21.2023<br>STANIT SUBMITTAL<br>STANIT SUBMITT |  |  |  |  |  |  |  |  |  |  |
| DEVELOPMENT • CONSTRUC<br>DEVELOPMENT • CONSTRUC<br>DATE:<br>PL             | AH<br>AH<br>BID SET<br>ART 2 SUBMITTAL<br>06.20.2022<br>DHFA SUBMITTAL<br>10.21.2022<br>REVISIONS<br>03.22.2023<br>BID SET<br>07.03.2023<br>NARY<br>NSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |
| DATE:<br>PO<br>DATE:<br>P<br>DATE:<br>P<br>DATE:<br>P<br>DOR SCHED<br>NOTES | AH<br>AH<br>BID SET<br>ART 2 SUBMITTAL<br>06.20.2022<br>DHFA SUBMITTAL<br>10.21.2022<br>ERMIT SUBMITTAL<br>10.21.2022<br>REVISIONS<br>03.22.2023<br>BID SET<br>07.03.2023<br>NARY<br>NSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |
|                                                                             | AH<br>AH<br>BID SET<br>ART 2 SUBMITTAL<br>06.20.2022<br>DHFA SUBMITTAL<br>10.21.2022<br>ERMIT SUBMITTAL<br>10.21.2022<br>REVISIONS<br>03.22.2023<br>BID SET<br>07.03.2023<br>NARY<br>NSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |

#### INTERIOR UNIT DOOR TYPES R.O. VARIES





#### POAH BASIS OF DESIGN - DOORS

#### EXTERIOR DOORS COMMON AND UNIT ENTRY DOORS ALL NEW EXTERIOR DOORS, AND TO THE EXTENT POSSIBL EXISTING DOORS TO REMAIN, SHOULD INCLUDE:

- 1. INSTALL THRESHOLDS ON SILICONE TYPE WATER REP PROPER TO INSTALLATION. 2. PAN FLASHING.
- 3. DOORS MUST HAVE VYCOR BRAND OR EQUAL, SELF ADHERED FLASHING INSTALLED TO ALL PERIMETERS FOR PROTECTION AGAINST AIR, WATER AND MOISTL 4. WEATHER-STRIPPING: VINYL FOAM COMPRESSION T
- EQUAL AROUND PERIMETER; VINYL SWEEP AT DOOR BOTTOMS; AND ALUMINUM WITH VINYL SEAL STRIP THRESHOLD WITH THERMAL BRAKE AT ALL EXTERIOR I
- 5. PERFORMANCE REQUIREMENTS OF ALL EXTERIOR DO a. MINIMUM STC RATING OF 35 b. EXTERIOR DOORS MUST BE ENERGY STAR RATED. 6. MINIMUM 20-GUAGE STEEL INSULATED DOORS WITH
- GAUGE STEEL FRAME. 7. ALL EXISTING AND NEW UNIT ENTRY DOORS TO HAVE PEEPHOLE.
- POAH BASIS OF DESIGN: HD SUPPLY, 190 DIAMETER, RATED DOOR VIEWER, SATIN CHROME, MANUFACTL NUMBER: 874140
- 8. DOORS TO BE INSULATED. 9. POAH BASIS OF DESIGN: DOOR MANUFACTURER -

UNIT ENTRY DOORS FROM STAIRWAYS OR CORRIDORS

#### POAH BASIS OF DESIGN - DOOR HARDWARE

- 1. CONTRACTOR SHALL VERIFY ALL DOOR KEYING WITH OWNER PRIOR TO ORDERING HARDWARE. ITEMS LISTED BELOW ARE POAH UNIT BEDROOMS, CLOSETS & PASSAGE DOORS:
- 2. ALL DOORS EXISTING AND NEW SHALL BE EQUIPPED WITH LEVER TYPE HARDWARE OR HARDWARE THAT MEETS ANSI A117.12009 DESIGN STANDARDS.
- 3. DOOR STOPS TO BE INSTALLED AT ALL EXISTING AND NEW DOORS. 4. FINISH: ALL HARDWARE TO BE BRUSHED ALUMINUM, OR SATIN CHROME. UNIT BATHROOM DOORS:
- 5. ANTI-PICK LATCHES WITH SINGLE ACTION LEVER.

#### KEYING FOR COMMON SPACES AND UNIT ENTRIES:

- 6. KEY TREE TO BE REVIEWED BY POAH.
- 7. NO GRAND MASTER KEY FOR DWELLING UNITS. 8. INCLUDE 4-5 CORES AS ADDITIONAL STOCK FOR UNIT ENTRY
- DOORS TO ACCOMMODATE UNIT TURNS. 9. SITE STAFF TO USE HANDYTRAC KEY CONTROL SYSTEM.
- 10. MAIN BUILDING ENTRIES EQUIPPED WITH KNOX BOX ENTRY SYSTEM FOR LOCAL FIRE DEPARTMENT. PROVIDE NEW IF NOT PRESENT. 11. UNIT ENTRANCE (FROM EXTERIOR + FROM CORRIDOR): DOORS SHALL BE EQUIPPED WITH INTERLOCKING MORTISE LOCK SETS. OPERATION OF THE LOCK SET SHALL INCLUDE THE FOLLOWING FEATURES:
  - a. FROM EXTERIOR OF UNIT ENTRANCE, KEY UNLOCKS BOTH DEAD LATCH AND DEADBOLT. b. FROM INTERIOR OF UNIT ENTRANCE, TURNING KNOB
  - DISENGAGES BOTH DEAD LATCH AND DEADBOLT AT THE SAME TIME.

POAH BASIS OF DESIGN: SCHLAGE, MORTISE STOREROOM LOCKSET, 06 LEVER, INTERCONNECTED LOCK, MANUFACTURER NUMBER: L9080L 07A 626

|             |     | CODE. FIRE RATING INFORMATION TO BE INCLUDED ON     |
|-------------|-----|-----------------------------------------------------|
| BLE FOR     |     | DOOR LABEL.                                         |
|             | 11. | ALL UNIT ENTRY DOORS TO HAVE PEEPHOLE.              |
| PELLENT     |     | POAH BASIS OF DESIGN: HD SUPPLY, 190 DIAMETER, FIRE |
|             |     | RATED DOOR VIEWER, SATIN CHROME, MANUFACTURER       |
|             |     | NUMBER: 874140                                      |
| LF          | 12. | WEATHERSTRIP ALL NEW UNIT ENTRANCE DOORS AND TO THE |
| s and sills |     | EXTENT POSSIBLE THE EXISTING DOORS TO REMAIN USING: |
| TURE.       |     | a. DOOR WEATHERSTRIPPING AT HEAD AND JAMB: Q-LON,   |
| TYPE OR     |     | POLYETHYLENE-CLAD URETHANE FOAM SECURED TO A        |
| DR          |     | PVC CARRIER. AVAILABLE AT: CONSERVATION MAR         |
|             |     | b. DOOR WEATHERSTRIPPING AT SILL: PEMKO FIRE-RATED  |
| r doors.    |     | DOOR SWEEP ALUMINUM, MANUFACTURER NUMBER:           |
| doors:      |     | 307AV36                                             |
|             |     | DOORS MUST BE ENERGY STAR RATED.                    |
| ).          |     | DOORS TO BE INSULATED.                              |
| H 26        | 13. | POAH BASIS OF DESIGN DOOR MANUFACTURER: JELD-WEN    |
| VE NEW      | UNI | T INTERIOR DOORS                                    |
|             | 14. | REPLACEMENT DOORS WITHIN UNITS TO MATCH EXISTING    |
| R, FIRE     |     | DOOR STYLES. SEE DOOR SCHEDULE.                     |
| TURER       | 15. | REMOVE EXISTING DOOR TRIM AT REPLACEMENT DOOR AS    |
|             |     | NECESSARY FOR NEW DOOR INSTALLATION AND INSTALL     |
|             |     | NEW TRIM TO MATCH.                                  |
| JELD-WEN.   | 9.  | WHERE DOORS ARE CUT DOWN TO FIT LOWER CEILING       |
|             |     | HEIGHT CONDITIONS, FLUSH SOLID CORE DOORS SHALL BE  |
|             |     | USED IN LIEU OF PANELED.                            |
| DBY         | 10. | POAH BASIS OF DESIGN: DOOR MANUFACTURER - JELD-WEN  |
|             |     |                                                     |

POAH BASIS OF DESIGN: SCHLAGE, MANHATTAN PASSAGE LEVER, SATIN CHROME MANUFACTURER NUMBER: F10MNH

POAH BASIS OF DESIGN: SCHLAGE, MANHATTAN PRIVACY LEVER

POAH BASIS OF DESIGN: SCHLAGE, MANHATTAN ENTRY LEVER,

SATIN CHROME, MANUFACTURER NUMBER: F40MNH

17. REQUIRED: LOCK WITH KEY FOR SITE PERSONNEL ONLY.

18. SECURED AND ACCESSED BY SITE PERSONNEL ONLY.

SATIN CHROME, MANUFACTURER NUMBER: F51MNH

12. LEVERED HANDLES; NO KNOBS.

15. PROVIDE LOCK WITH "PIN-HOLE" RESET.

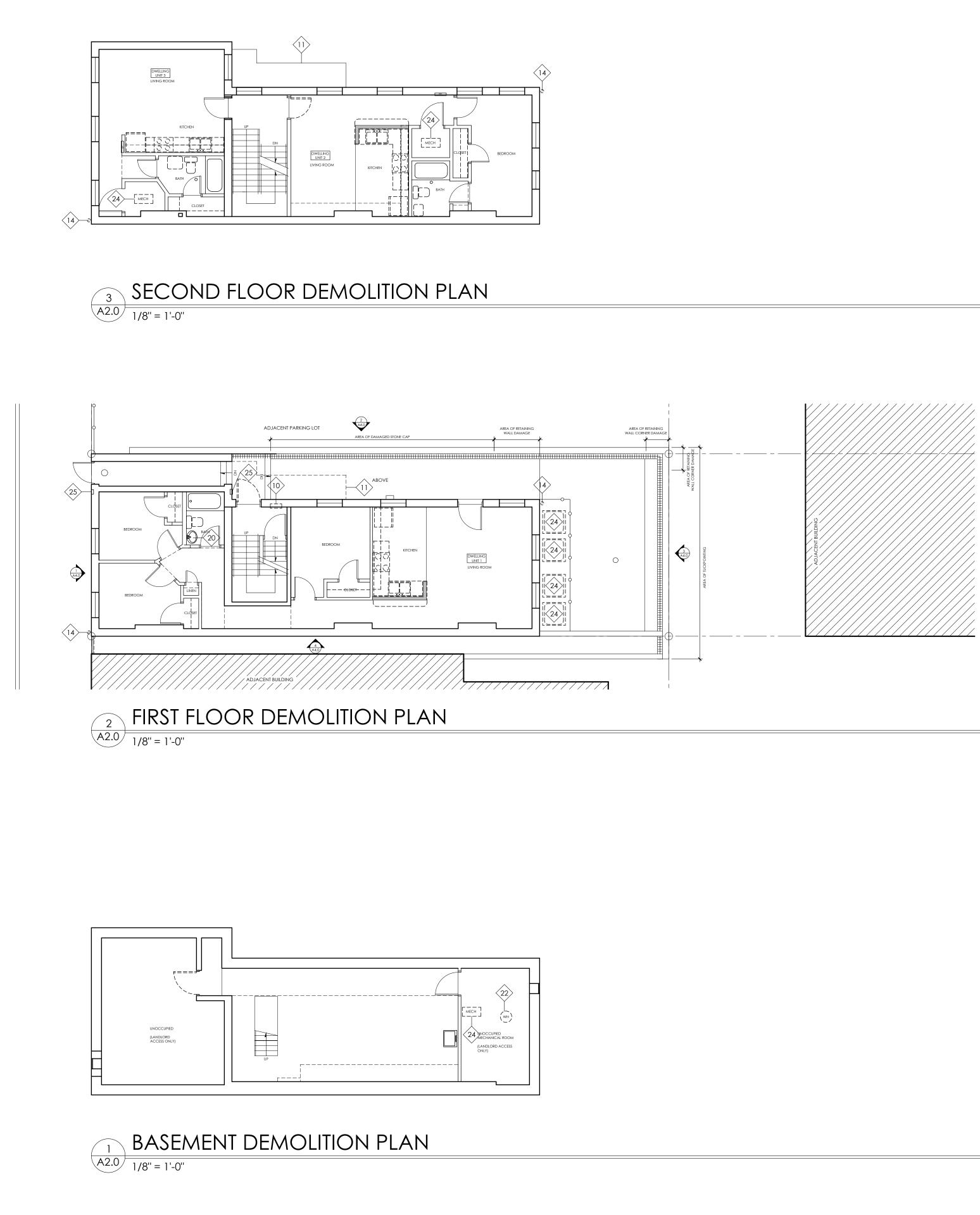
UNIT MECHANICAL CLOSETS:

16. LEVERED HANDLES; NO KNOBS.

13. NO LOCKS.

- 14. LEVERED HANDLES; NO KNOBS.

#### DEANNA HEIL 10784 Deanna Heil license no. 10784 Expiration 12-31-2023 CITYSTUDIOS ARCHITECTURE 1148 Main Street Cincinnati, OH 45202 ph. 513.621.0750 citystudiosarch.com G.F. engineering 220 Stewart Way, Suite 100 Monroe, Ohio 45050 513.549.1434 ENGINEERED BUILDING SYSTEMS INC. 515 Monmouth Street Newport, KY 41017 859-261-0585 Ζ S V 2 ЕТ 20 **2** F 0 < **5** П 2 4 ST N ST 0 ЧШ ΖĪ Σ 00 **≻** 0 S ATI, $\vdash$ — ш ΖJ CINN ΣZ ш < L 2 1 2 Ο ()O POAH modelgroup DEVELOPMENT • CONSTRUCTION • MANAGEMENT DATE: BID SET PART 2 SUBMITTAL 06.20.2022 OHFA SUBMITTAL /1 10.21.2022 PERMIT SUBMITTAL 10.21.2022 revisions 03.22.2023 2BID SET 07.03.2023 PRELIMINARY NOT FOR CONSTRUCTION DOOR SCHEDULE AND NOTES CONTINUED A0.3h



JACKSON STREET

23 FILE: S:\PROJECTS\Model\_POAH\3 - drawings\3b - construction drawings\Pendleton Estates\7\_1221 Jackson\1221 Jackson\_A2.0-A2.4 Demolition Plans.dwg

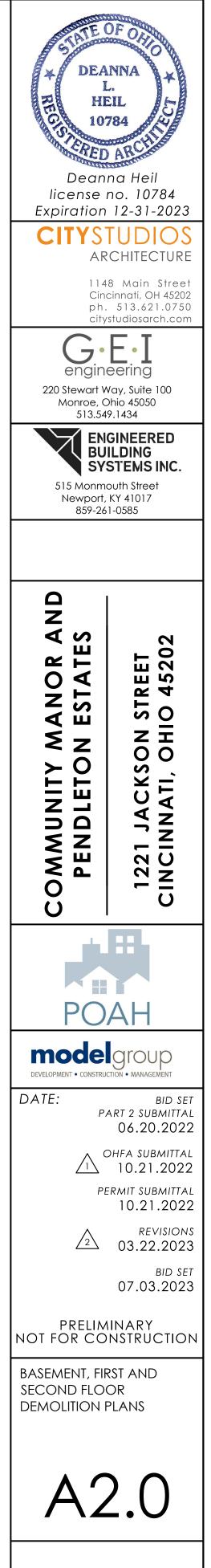
### DEMOLITION PLAN GENERAL NOTES

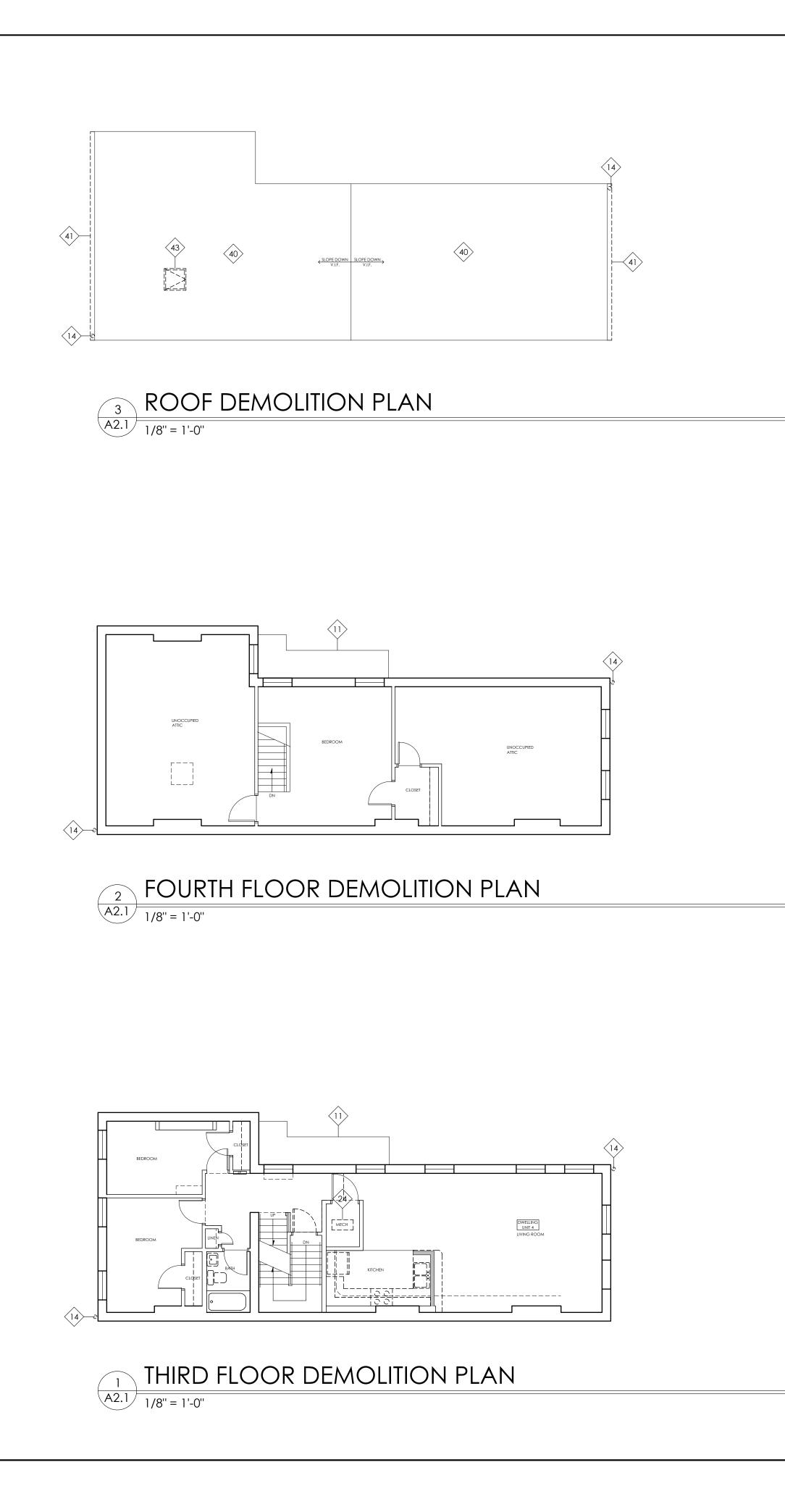
- A. ALL BOLD DASHED ELEMENTS ARE TO BE REMOVED, U.N.O. CONSULT ARCHITECT FOR CLARIFICATION IF NOTATIONS AND GRAPHICS CONFLICT OR IF INTENT IS UNCLEAR.
- B. ALL LOAD BEARING WALLS, NON-LOAD BEARING WALLS, COLUMNS, BEAMS, AND STRUCTURAL ELEMENTS ARE TO REMAIN, U.N.O.
- C. REMOVE ALL EXISTING DOWNSPOUTS AND HUNG GUTTERS. EXISTING HISTORIC BOX GUTTERS AND CORNICES ARE TO REMAIN. REMOVE EXISTING BOX GUTTER LINERS AND PREPARE FOR NEW BOX GUTTER LINERS. EXISTING CAST IRON BOOTS TO REMAIN.
- D. REMOVE EXISTING WINDOWS AND DOORS WHERE INDICATED. REFER TO WINDOW AND DOOR SCHEDULES.
- E. ALL EXISTING INTERIOR TRIM TO REMAIN, U.N.O.
- F. REMOVE DAMAGED FLOOR TILES AND PREP FOR NEW WORK. REFER TO NEW WORK PLANS.
- G. ALL EXISTING GYPSUM BOARD AND PLASTER WALLS AND CEILINGS ARE TO REMAIN.
- H. REMOVE EXISTING CLOSET SHELVES AND COAT RODS. PREP FOR NEW WORK.
- I. REMOVE ALL EXISTING BLINDS IN ALL LIVING UNITS.
- J. REMOVE EXISTING BATHROOM ACCESSORIES INCLUDING TOWEL BARS, FIXED SHOWER CURTAIN RODS AND TOILET PAPER DISPENSERS.
- K. REMOVE ALL EXISTING BATHROOM MEDICINE CABINETS/INTEGRAL LIGHT FIXTURES. REFER TO ELECTRICAL DRAWINGS.
- . REMOVE ALL EXISTING KITCHEN CABINETRY, COUNTERTOPS AND APPLIANCES.
- M. REMOVE EXISTING MECHANICAL EQUIPMENT INCLUDING GAS FURNACES, THERMOSTATS, CONDENSING UNITS AND EXHAUST FANS. EXISTING DUCTS AND VENTS ARE TO REMAIN. REFER TO MECHANICAL DRAWINGS.
- N. REMOVE EXISTING LOUVERS/DIFFUSERS/REGISTERS. REFER TO MECHANICAL DRAWINGS.
- O. ALL EXISTING BATHTUBS TO REMAIN, U.N.O.
- P. REMOVE ALL EXISTING WATER CLOSETS. EXISTING PIPES AND DRAINS ARE TO REMAIN. REFER TO PLUMBING DRAWINGS.
- Q. REMOVE EXISTING PEDESTAL SINKS, U.N.O. EXISTING PIPES AND DRAINS ARE TO REMAIN. REFER TO PLANS FOR LOCATIONS OF EXISTING PEDESTAL SINKS TO REMAIN. ALL BATHROOM FAUCETS TO BE REMOVED. REFER TO PLUMBING DRAWINGS.
- R. EXISTING BATHTUB TILE SURROUND AND EXISTING BATHROOM WAINSCOT TO REMAIN, U.N.O. REFER TO NEW WORK PLANS AND FINISH SCHEDULE.
- S. REMOVE EXISTING DOUBLE BOWL SINKS AND FAUCETS IN KITCHENS. REFER TO PLUMBING DRAWINGS.
- T. REMOVE EXISTING WATER HEATERS AND SUMP PUMPS WHERE NOTED ON PLUMBING DRAWINGS U.N.O..
- U. REMOVE EXISTING LIGHT FIXTURES, SWITCHES AND RECEPTACLES. EXISTING WIRING IS TO REMAIN. EXISTING TV, CABLE AND DATA OUTLETS ARE TO REMAIN. REFER TO ELECTRICAL DRAWINGS.
- V. REMOVE EXISTING CARBON MONOXIDE/SMOKE DETECTORS. REFER TO ELECTRICAL DRAWINGS.
- W. REMOVE ALL EXISTING ROOFING INCLUDING FASTENERS DOWN TO ROOF SHEATHING. VERIFY CONDITION OF EXISTING ROOF SHEATHING AND REMOVE DAMAGED OR DETERIORATED AREAS.
- X. ALL CHIMNEYS AND ASSOCIATED ELEMENTS ARE TO REMAIN, U.N.O. REFER TO NEW WORK PLANS.
- Y. REMOVE EXISTING WOOD PLATFORMS FOR CONDENSING UNITS (COMMUNITY MANOR AND 2155 LOTH).
- Z. REMOVE ALL EXISTING VINYL STAIR TREADS BOTH IN COMMON SPACES AND DWELLING UNITS.



### DEMOLITION PLAN KEYNOTES

- 1. SAW CUT AND REMOVE DAMAGED SECTION OF CONCRETE THIS LOCATION. PREPARE TO RECEIVE NEW WORK. IF HISTORIC GRANITE STREET CURBS ARE PRESENT, THEY ARE TO BE TEMPORARILY REMOVED DURING CONSTRUCTION AND REINSTALLED IN ORIGINAL LOCATIONS AS PART OF NEW WORK.
- 2. REMOVE EXISTING BASEMENT SIDEWALK ACCESS DOORS AND PREPARE EXISTING OPENING TO RECEIVE NEW BASEMENT SIDEWALK ACCESS DOORS.
- 10. REMOVE EXISTING MAILBOXES.
- 11. EXISTING FIRE ESCAPE TO REMAIN.
- 12. EXISTING METAL EXTERIOR STAIR TO REMAIN. SCRAP RUST, PATCH AND REPAIR DAMAGED AREAS AND PREP FOR RUST INHIBITIVE PAINT. REFER TO STRUCTURAL DRAWINGS.
- 13. NOT USED.
- 14. REMOVE EXISTING DOWNSPOUT.
- 15. REMOVE EXISTING TILE BACK SPLASH AND PREPARE EXISTING SURFACES FOR NEW WORK.
- 16. MOVE EXISTING DRYERS AS INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
- 17. REMOVE EXISTING WALL.
- 20. EXISTING PEDESTAL SINK TO REMAIN.
- 21. REMOVE EXISTING BATHTUB.
- 22. DISCONNECT AND REMOVE EXISTING WATER HEATER. REFER TO PLUMBING DRAWINGS. DOMESTIC WATER PIPING TO REMAIN.
- 23. EXISTING WATER HEATER TO REMAIN.
- 24. DISCONNECT AND REMOVE EXISTING MECHANICAL EQUIPMENT AND ALL ASSOCIATED COMPONENTS FOR RESIDENTIAL APARTMENT UNITS ONLY. CONTRACTOR TO VERIFY LOCATION OF RESIDENTIAL UNITS IN FIELD. REMOVE ASSOCIATED PLATFORMS. EXISTING DUCTWORK TO REMAIN. REFER TO MECHANICAL DRAWINGS.
- 25. REMOVE EXISTING INTERCOM SYSTEM. REFER TO ELECTRICAL DRAWINGS.
- 26. REMOVE ALL FLOOR TILE.
- 40. REMOVE ALL EXISTING ROOFING MATERIALS AND DETERIORATED WOOD ROOF SHEATHING IF PRESENT (V.I.F.) INCLUDING BUT NOT LIMITED TO FLASHING, COPINGS, TERMINATIONS, ETC. PREP FOR NEW ROOFING.
- 41. REMOVE EXISTING HUNG ALUMINUM GUTTERS. REMOVE GUTTER BOARD TRIM AND PREP FOR REPLACEMENT.
- 42. EXISTING BOX GUTTER/DECORATIVE CORNICE TO REMAIN. REMOVE ANY DETERIORATED WOOD ELEMENTS AND PREP FOR NEW WORK. REMOVE EXISTING GUTTER LINER AND PREP FOR NEW.
- 43. REMOVE EXISTING ROOF ACCESS HATCH AND PREPARE OPENING TO RECEIVE NEW ROOF ACCESS HATCH.
- 44. EXISTING COMMERCIAL 1ST FLOOR COMMERCIAL SPACE MECHANICAL EQUIPMENT TO REMAIN AND TO REMAIN IN SERVICE DURING CONSTRUCTION. CONTRACTOR TO VERIFY IN FIELD LOCATION OF COMMERCIAL MECHANICAL UNITS.



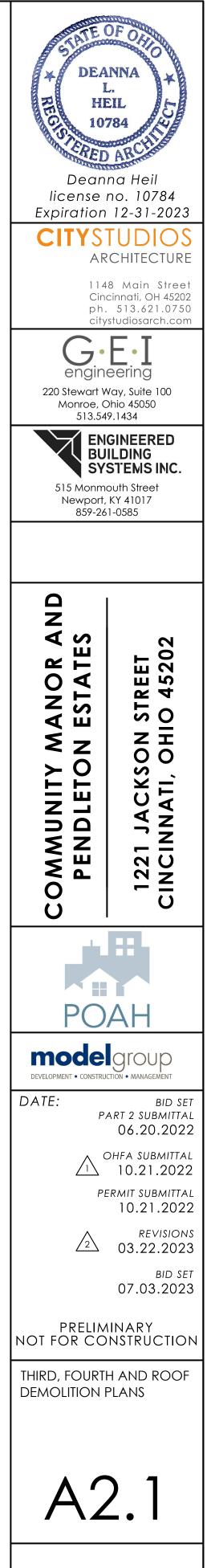


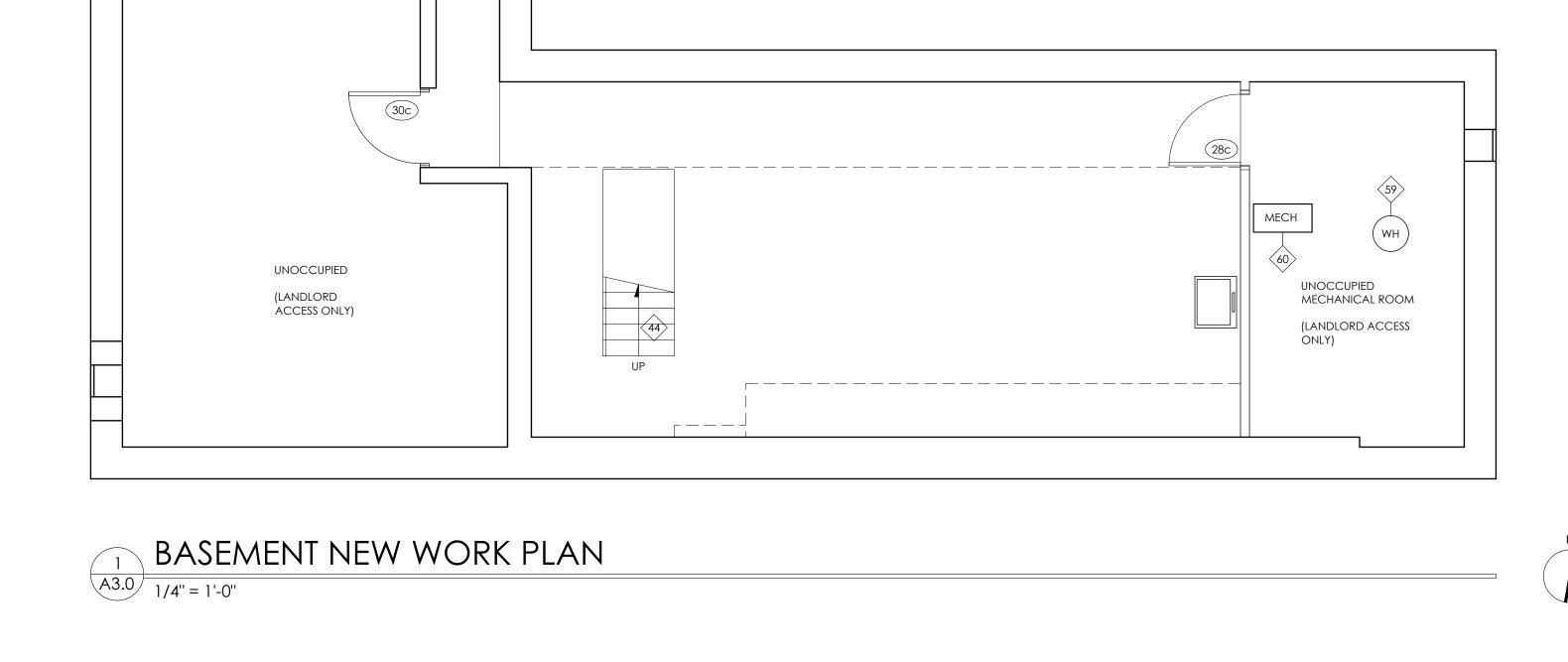
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- R. EXISTING BATHTUB TILE SURROUND AND EXISTING BATHROOM WAINSCOT TO REMAIN, U.N.O. REFER TO NEW WORK PLANS AND FINISH SCHEDULE.
- S. REMOVE EXISTING DOUBLE BOWL SINKS AND FAUCETS IN KITCHENS. REFER TO PLUMBING DRAWINGS.
- T. REMOVE EXISTING WATER HEATERS AND SUMP PUMPS WHERE NOTED ON PLUMBING DRAWINGS U.N.O..
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- W. REMOVE ALL EXISTING ROOFING INCLUDING FASTENERS DOWN TO ROOF SHEATHING. VERIFY CONDITION OF EXISTING ROOF SHEATHING AND REMOVE DAMAGED OR DETERIORATED AREAS.
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- Z. REMOVE ALL EXISTING VINYL STAIR TREADS BOTH IN COMMON SPACES AND DWELLING UNITS.

### DEMOLITION PLAN KEYNOTES

- SAW CUT AND REMOVE DAMAGED SECTION OF CONCRETE THIS LOCATION. PREPARE TO RECEIVE NEW WORK. IF HISTORIC GRANITE STREET CURBS ARE PRESENT, THEY ARE TO BE TEMPORARILY REMOVED DURING CONSTRUCTION AND REINSTALLED IN ORIGINAL LOCATIONS AS PART OF NEW WORK.
- 2. REMOVE EXISTING BASEMENT SIDEWALK ACCESS DOORS AND PREPARE EXISTING OPENING TO RECEIVE NEW BASEMENT SIDEWALK ACCESS DOORS.
- 10. REMOVE EXISTING MAILBOXES.
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- 12. EXISTING METAL EXTERIOR STAIR TO REMAIN. SCRAP RUST, PATCH AND REPAIR DAMAGED AREAS AND PREP FOR RUST INHIBITIVE PAINT. REFER TO STRUCTURAL DRAWINGS.
- 13. NOT USED.
- 14. REMOVE EXISTING DOWNSPOUT.
- 15. REMOVE EXISTING TILE BACK SPLASH AND PREPARE EXISTING SURFACES FOR NEW WORK.
- 16. MOVE EXISTING DRYERS AS INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
- 17. REMOVE EXISTING WALL.
- 20. EXISTING PEDESTAL SINK TO REMAIN.
- 21. REMOVE EXISTING BATHTUB.
- 22. DISCONNECT AND REMOVE EXISTING WATER HEATER. REFER TO PLUMBING DRAWINGS. DOMESTIC WATER PIPING TO REMAIN.
- 23. EXISTING WATER HEATER TO REMAIN.
- 24. DISCONNECT AND REMOVE EXISTING MECHANICAL EQUIPMENT AND ALL ASSOCIATED COMPONENTS FOR RESIDENTIAL APARTMENT UNITS ONLY. CONTRACTOR TO VERIFY LOCATION OF RESIDENTIAL UNITS IN FIELD. REMOVE ASSOCIATED PLATFORMS. EXISTING DUCTWORK TO REMAIN. REFER TO MECHANICAL DRAWINGS.
- 25. REMOVE EXISTING INTERCOM SYSTEM. REFER TO ELECTRICAL DRAWINGS.
- 26. REMOVE ALL FLOOR TILE.
- 40. REMOVE ALL EXISTING ROOFING MATERIALS AND DETERIORATED WOOD ROOF SHEATHING IF PRESENT (V.I.F.) INCLUDING BUT NOT LIMITED TO FLASHING, COPINGS, TERMINATIONS, ETC. PREP FOR NEW ROOFING.
- 41. REMOVE EXISTING HUNG ALUMINUM GUTTERS. REMOVE GUTTER BOARD TRIM AND PREP FOR REPLACEMENT.
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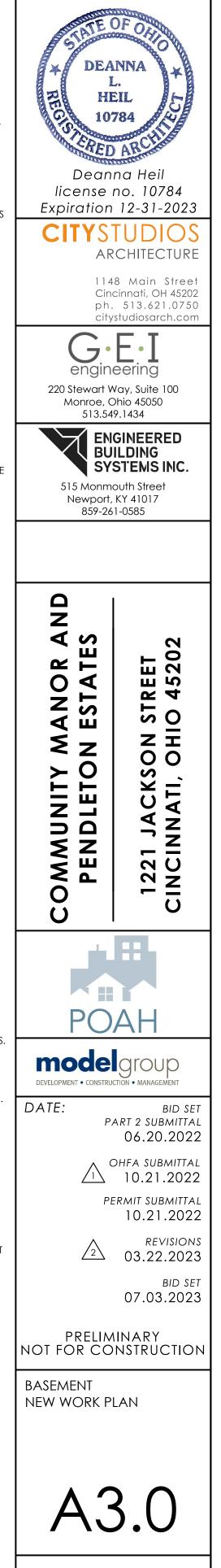


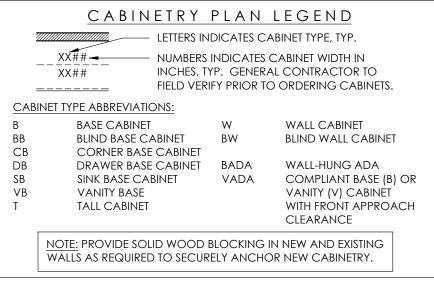


- A. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS IN FIELD AS NEEDED.
- B. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
- C. CEILING HEIGHTS INDICATED ON PLANS ARE FROM FINISH FLOOR TO FINISH
- CEILING. D. PAINT ALL PREVIOUSLY PAINTED INTERIOR SURFACES, TRIM, ETC. REFER TO FINISH
- SCHEDULE. E. PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING ADJACENT CONSTRUCTION
- AT AREAS OF DEMOLITION. F. VERIFY OPERATION OF SUBSURFACE DRAINAGE. SCOPE AS REQUIRED.
- G. PROVIDE NEW WINDOWS AND DOORS WHERE INDICATED. REFER TO WINDOW
- AND DOOR SCHEDULES. H. TUCKPOINT INTERIOR FACES OF BASEMENT FOUNDATION WALLS AS NECESSARY.
- PROVIDE INSULATION AS SCHEDULED.
- J. SECURE EXISTING HANDRAILS AND BANISTERS.
- K. EXISTING HARDWOOD FLOORING TO BE REFINISHED. REF
- K. EXISTING HARDWOOD FLOORING TO BE REFINISHED. REFER TO NEW WORK PLANS FOR LOCATIONS AND FINISH SCHEDULE.
- L. REPAIR DAMAGED PLASTER/GYPSUM BOARD SURFACES (WALLS, CEILINGS, SOFFITS, ETC.)
- M. PROVIDE NEW VINYL COATED CLOSET WIRE SHELVES, 12" DEEP, TYPICAL. VERIFY EXISTING DIMENSIONS AND ADJUST DEPTH WHERE NECESSARY. PROVIDE HANGING ROD AT 60" A.F.F. STATIC LOAD: 75 LB/FT OF SHELF MINIMUM. COLOR: WHITE. ACCEPTABLE MANUFACTURERS: SCHULTE CORP., RUBBERMAID, INC., CLOSETMAID (A DIVISION OF EMERSON ELECTRIC CO.).
- N. PROVIDE NEW HORIZONTAL LOUVER BLINDS WITH 2" FAUX WOOD SLATS FOR ALL WINDOWS IN ALL ROOMS IN ALL LIVING UNITS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. SLAT WIDTH: 2 INCH. COLOR: TBD. ACCEPTABLE MANUFACTURERS: LEVOLOR CONTRACT (A NEWELL RUBBERMAID COMPANY), SPRINGS WINDOW FASHIONS (SWF CONTRACT).
- O. PROVIDE NEW BATHROOM ACCESSORIES AND MEDICINE CABINETS. REFER TO NEW WORK PLANS FOR LOCATIONS AND INTERIOR ELEVATIONS.
- P. PROVIDE NEW KITCHEN AND BATHROOM CABINETS AND COUNTERTOPS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. REFER TO NEW WORK PLANS AND INTERIOR ELEVATIONS.
- Q. PROVIDE NEW APPLIANCES. REFER TO NEW WORK PLANS, INTERIOR ELEVATIONS AND APPLIANCE SCHEDULE.
- R. PROVIDE NEW GAS FURNACES, THERMOSTATS, CONDENSING UNITS, EXHAUST FANS AND LOUVER/DIFFUSERS/GRILLES. REFER TO MECHANICAL DRAWINGS.
- S. PROVIDE NEW WATER CLOSETS, VANITY SINKS AND FAUCETS. REFER TO PLUMBING DRAWINGS.
- T. REMOVE EXISTING SHOWER VALVE BY REMOVING SECTION OF GYPSUM BOARD/PLASTER FROM BEHIND BATHTUB WALL IN ADJACENT ROOM. REPAIR WALL AFTER SHOWER VALVES HAVE BEEN REPLACED. PROVIDE SMOOTH CONTINUOUS SURFACE. WHERE ACCESS FROM BEHIND IS NOT POSSIBLE, CAREFULLY REMOVE AND REPLACE/REINSTALL SECTION OF GYPSUM BOARD/PLASTER AND TILE FROM BATHTUB SURROUND. REFER TO NEW WORK KEYNOTES.
- U. PROVIDE NEW DOUBLE BOWL SINKS AND NEW FAUCETS IN KITCHENS. REFER TO PLUMBING DRAWINGS.
- V. REPLACE EXISTING WATER HEATERS AND SUMP PUMPS WITH NEW WHERE NOTED ON PLUMBING DRAWINGS.
- W. REPLACE EXISTING CARBON MONOXIDE/SMOKE DETECTORS WITH NEW. REFER TO ELECTRICAL DRAWINGS.
- X. PROVIDE NEW LIGHT FIXTURES, SWITCHES, AND RECEPTACLES IN EXISTING LOCATIONS. PROVIDE NEW COVER PLATES. REPLACE TV, CABLE AND DATA OUTLET COVER PLATES. REFER TO ELECTRICAL DRAWINGS.
- Y. VERIFY ALL ATTIC ACCESS LADDERS WORK PROPERLY. REPAIR AS REQUIRED.
- Z. WHEN ADDING INSULATION, PROVIDE AIR SEALING FOR AIR BYPASS LOCATIONS INCLUDING, BUT NOT LIMITED TO: CHIMNEY CHASES, COMBUSION/SOIL STACK CHASES, OPEN WALL TOPS, DROPPED CEILING, OPEN PLUMBING WALLS, BENEATH KNEE WALLS, AROUND DUCTWORK, ELECTRICAL WORK AND ATTIC POINTS. ACCEPTABLE SEALING MATERIALS ARE DETERMINED BY SIZE AND LOCATION OF OPENING AND INCLUDE HIGH QUALITY CAULKING WITH 20-YEAR LIFE SPAN, POLYETHYLENE ROD STOCK, SPRAY FOAM, GYPSUM BOARD, SHEET METAL, EXTRUDED POLYSTYRENE INSULATION AND DENSELY PACKED INSULATION. AIR SEALING MUST PREVENT AIR LEAKAGE THAT WILL NOT BE DETECTED BY INFRARED SCAN WHEN BUILDING IS DEPRESSURIZED AT 25 PASCALS.



- 1. EXISTING STONE OR CONCRETE STAIR/LANDING TO REMAIN. REPAIR AS REQUIRED.
- 2. REPAIR EXISTING STONE RETAINING WALL.
- 3. REPAIR EXISTING CONCRETE RETAINING WALL.
- 4. EXISTING METAL SECURITY GATE / FENCE. REMOVE RUST, CLEAN, PAINT AND INSTALL NEW HARDWARE. REFER TO DOOR SCHEDULE.
- 5. PROVIDE NEW CONCRETE THIS AREA. PROVIDE SEALANT AT BUILDING PERIMETER WHERE ADJACENT TO BUILDING. IN AREAS WHERE CONCRETE IS ADJACENT TO HISTORIC STONE STREET CURB, TEMPORARILY MOVE STONE CURB AND REINSTALL TO ORIGINAL LOCATION AS PART OF NEW WORK.
- 6. PROVIDE NEW BASEMENT SIDEWALK ACCESS DOORS IN EXISTING LOCATION. DOORS TO BE FLUSHED WITH SIDEWALK. PAINT. REFER TO FINISH SCHEDULE.
- 7. REPAIR EXISTING  $\pm 12$ " HIGH MASONRY UNIT WALL.
- 20. PROVIDE NEW USPS APPROVED SURFACE MOUNTED MAILBOXES. MOUNT AT 48" A.F.F. MAXIMUM WITH 4" PROJECTION FROM FACE OF WALL.
- 21. SECURE, CLEAN AND REPAIR EXISTING GUARDS/HANDRAILS. PREP TO RECEIVE NEW FINISH.
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- 23. REPAIR EXISTING EXTERIOR STEEL STAIR. PAINT WITH RUST INHIBITIVE PAINT. SEE STRUCTURAL DRAWINGS.
- 24. PROVIDE NEW GALVANIZED AND PAINTED EXTERIOR 1-1/2" DIAMETER METAL HANDRAIL MOUNTED AT 34" ABOVE TREAD NOSE. WHERE CONDITIONS ALLOW, EXTEND MINIMUM 12" HORIZONTALLY AT TOP TREAD AND EXTEND MINIMUM (1) TREAD DEPTH HORIZONTALLY AT BOTTOM RISER. RETURN HANDRAIL TO WALL WHERE EXISTING CONDITIONS ALLOW, OTHERWISE RETURN TO FLOOR. PROVIDE GUARDS WHERE NOT MOUNTED TO EXTERIOR WALL. PROVIDE SHOP DRAWINGS.
- 25. PROVIDE NEW ALUMINUM DOWNSPOUT TO REPLACE EXISTING. COLOR T.B.D. BY ARCHITECT.
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- 30. LOCATION OF NEW AC CONDENSING UNIT. REFER TO MECHANICAL DRAWINGS.
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- 43. NOT USED
- 44. EXISTING WOOD BASEMENT STAIR TO REMAIN. EVALUATE CONDITION OF STRINGERS AND TREADS, PREP TO REPAIR WHERE REQUIRED.
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- 46. REPLACE ALL FLOOR TILE WITH NEW FLOOR TILE. REFER TO FINISH SCHEDULE.
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- 50. PROVIDE NEW WALL. SEE WALL TYPE LEGEND.
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- 70. IN UNOCCUPIED ATTIC SPACE: PROVIDE BLOWN-IN CELLULOSE OR BLOWN-IN CELLULOSE AND FIBERGLASS BATT AT FLOOR JOISTS TO MEET R-49 REQUIREMENT. REFER TO GENERAL NOTE Z.
- 71. IN UNOCCUPIED ATTIC SPACE: EXISTING BATT INSULATION IN FLOOR JOISTS TO REMAIN. CONTRACTOR TO VERIFY 10" BATT INSULATION (R-30). IF EXISTING INSULATION DOES NOT MEET R-30, CONTRACTOR TO PROVIDE ADDITIONAL INSULATION TO MEET R-49. REFER TO GENERAL NOTE Z.
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#### WALL TYPES:

EXISTING CONSTRUCTION TO BE DEMOLISHED

EXISTING CONSTRUCTION TO REMAIN

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\_\_\_\_\_1HR\_\_\_\_\_

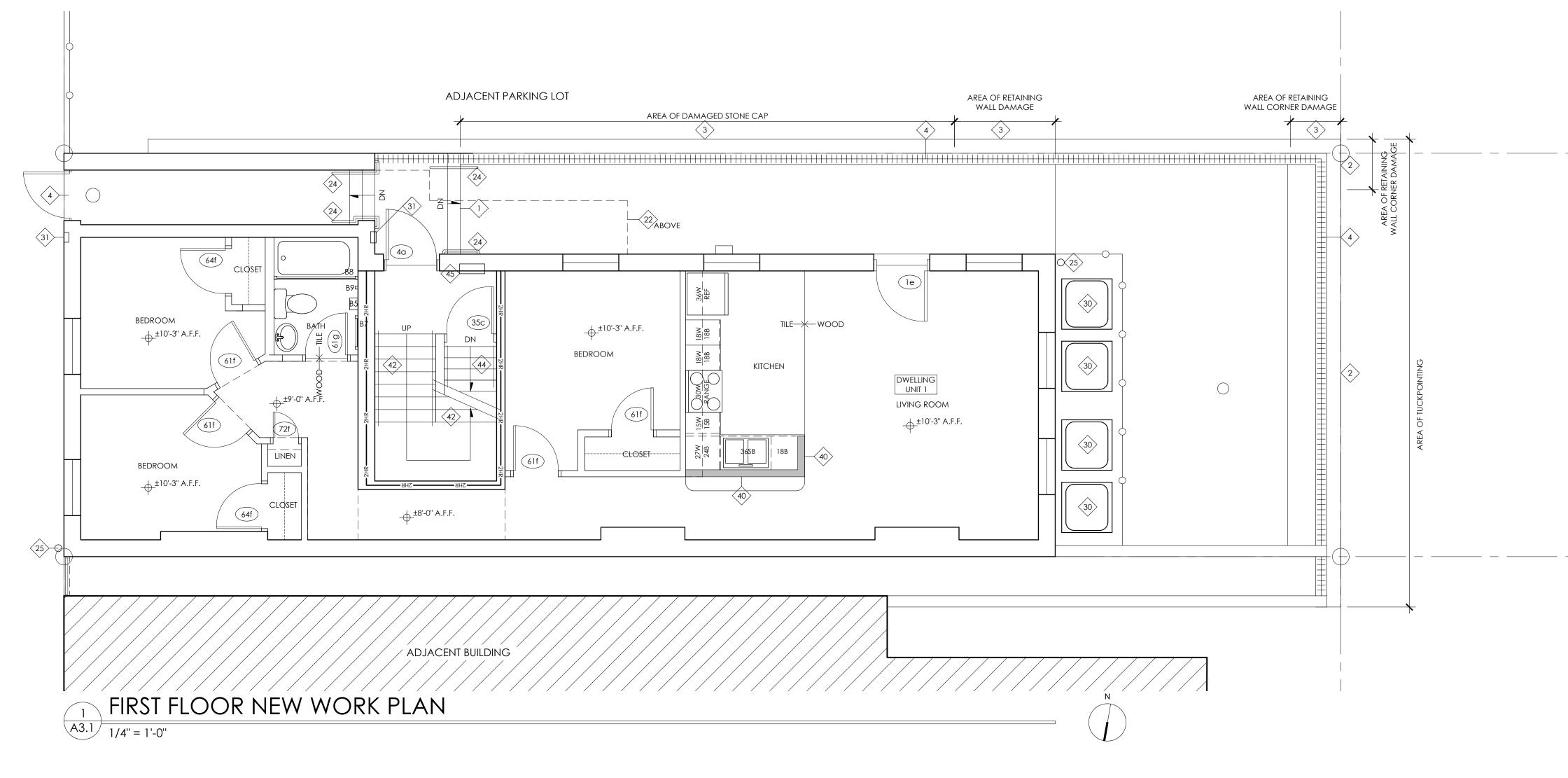
\_\_\_\_\_\_2HR \_\_\_\_\_

RATING.

EXISTING PARTIAL HEIGHT WALL TO REMAIN NEW 1 HOUR RATED WALL ASSEMBLY - SEE NEW WORK PLAN FOR LOCATION. PROVIDE NEW 3 1 /2" 20 GA STEEL STUDS @ 16" O.C. WITH 3" MINERAL FIBER INSULATION BATT AND 5 /8" TYPE X GYPSUM BOARD EACH SIDE (GA FILE NO WP 1417). PROVIDE 7/16" ZIP SHEATHING WITH INTEGRAL AIR/WATER BARRIER AND ASSOCIATED JOINT TAPE AT EXTERIOR. PROVIDE PRE-FINISHED FIBER CEMENT BOARD SIDING.

INDICATES REQUIRED FIRE RATING OF THE ASSEMBLY - EXISTING 1 HOUR OR 2 HOUR WALL TO REMAIN. THE RATING OF THE EXISTING WALL ASSEMBLY IS LINKNOWN AND MAY BE AN EXISTING NON-COMPLYING CONDITION. AT AREAS OF MINOR DAMAGE, REPAIR TO MATCH EXISTING RATED CONSTRUCTION. FOR NEW WORK, MODIFICATIONS, INFILLS, AND LARGE AREAS OF FINISH REPAIR, ASSEMBLY SHALL BE 1 HOUR OR 2 HOUR RATED DEPENDING ON EXISTING RATING. REFER TO FLOOR PLANS FOR EXISTING

- NEW WORK PLAN GENERAL NOTES
- A. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS IN FIELD AS NEEDED.
- B. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
- C. CEILING HEIGHTS INDICATED ON PLANS ARE FROM FINISH FLOOR TO FINISH CEILING.
- PAINT ALL PREVIOUSLY PAINTED INTERIOR SURFACES, TRIM, ETC. REFER TO FINISH D. SCHEDULE.
- PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING ADJACENT CONSTRUCTION AT AREAS OF DEMOLITION.
- F. VERIFY OPERATION OF SUBSURFACE DRAINAGE. SCOPE AS REQUIRED. G. PROVIDE NEW WINDOWS AND DOORS WHERE INDICATED. REFER TO WINDOW AND DOOR SCHEDULES.
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- Q. PROVIDE NEW APPLIANCES. REFER TO NEW WORK PLANS, INTERIOR ELEVATIONS AND APPLIANCE SCHEDULE.



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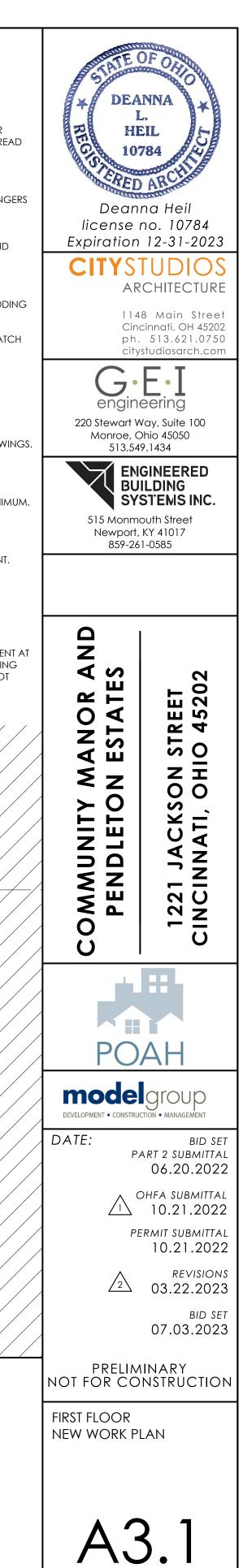
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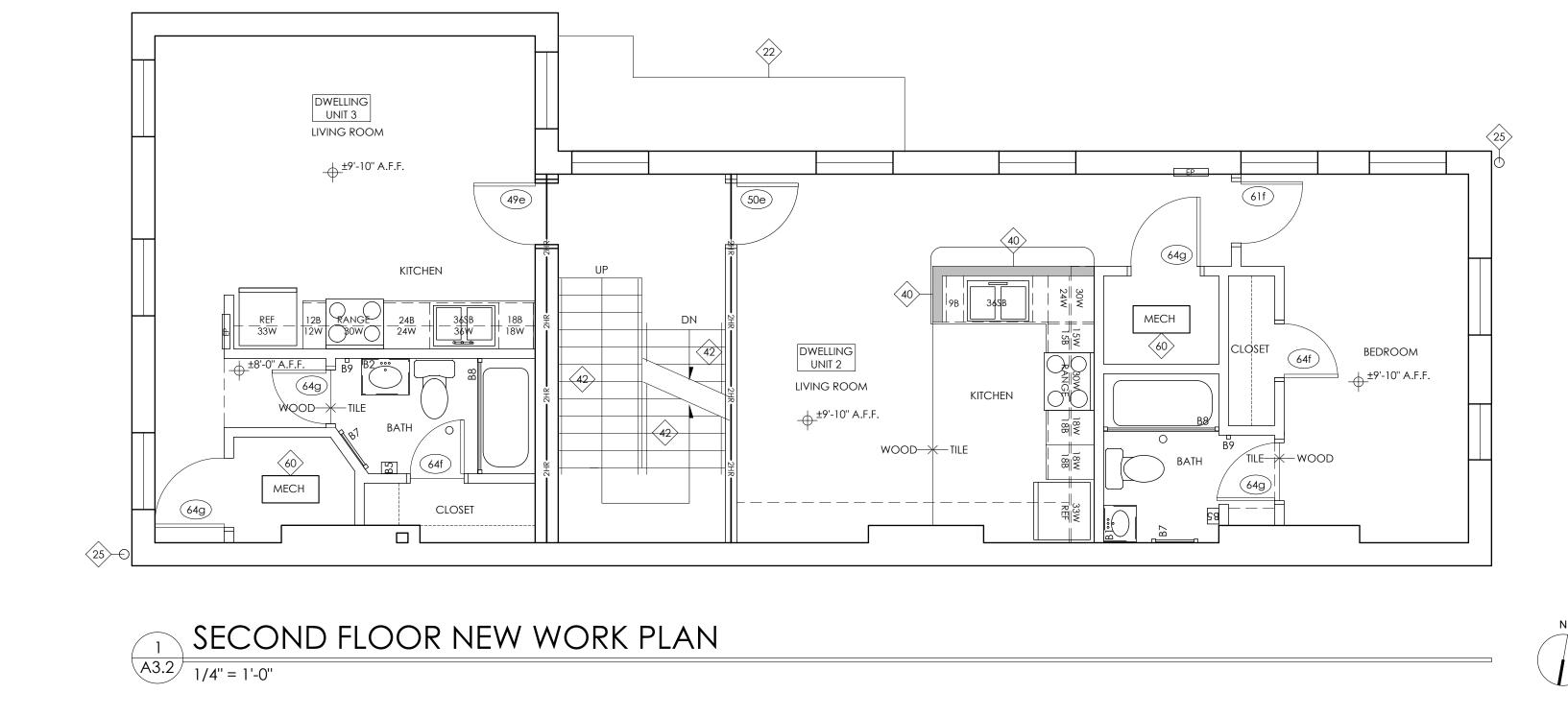
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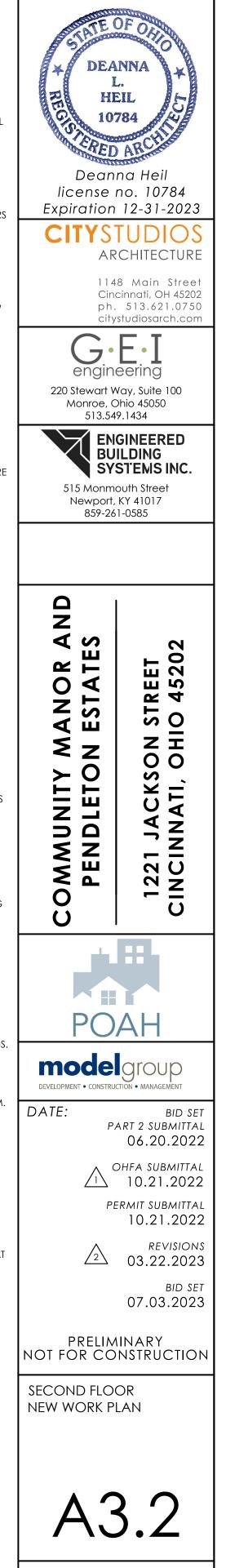


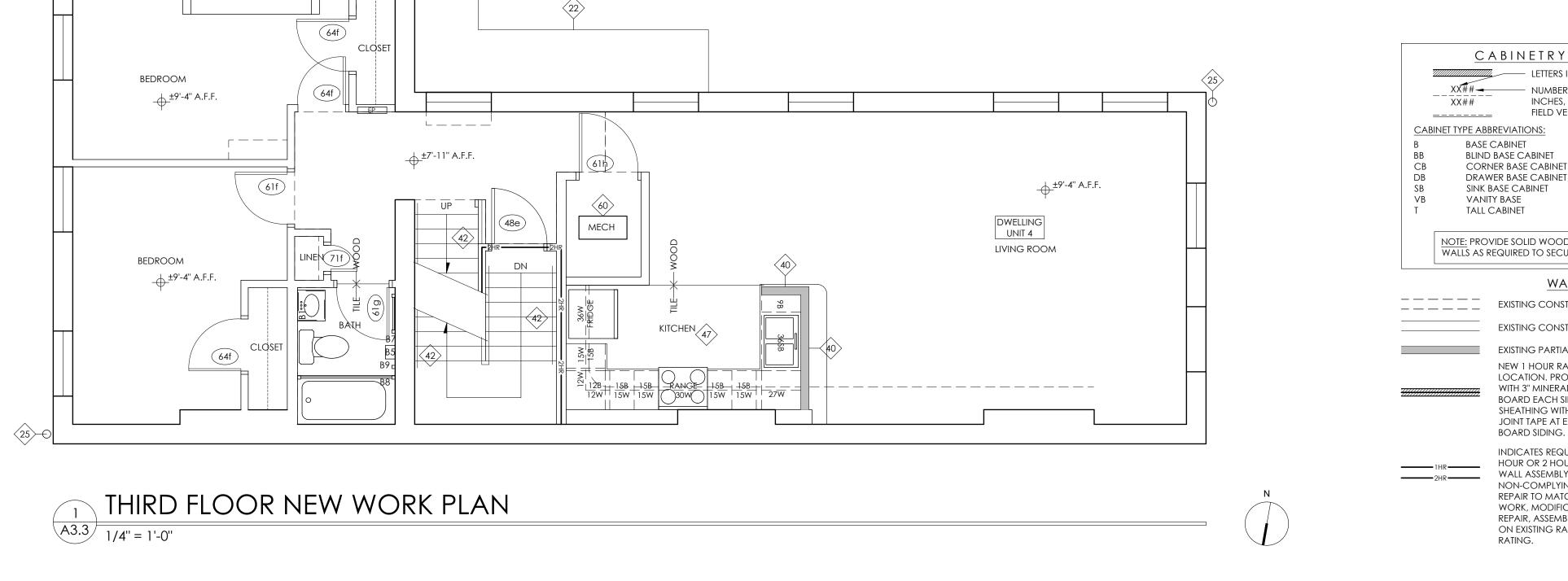


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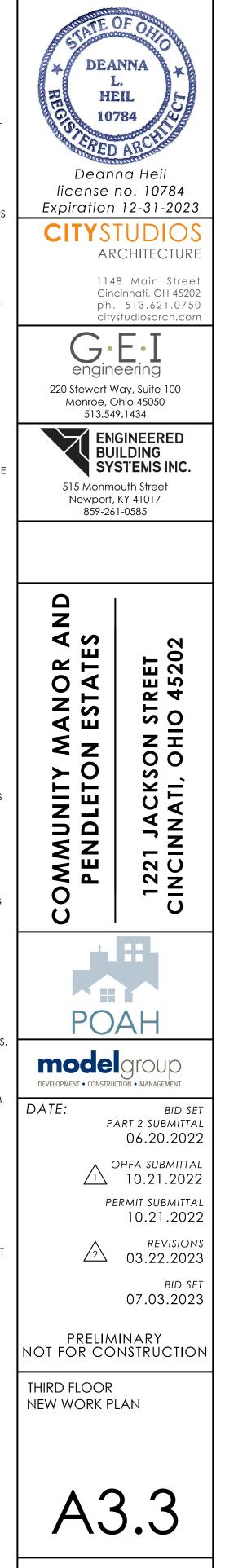


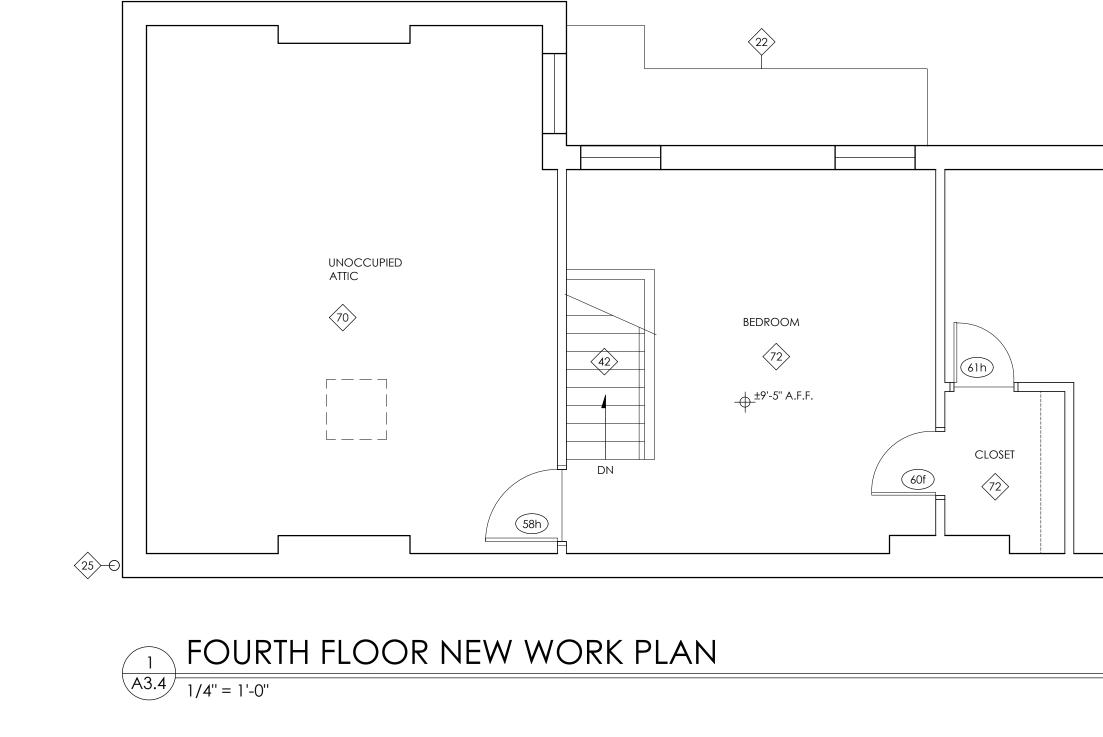
- A. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS IN FIELD AS NEEDED.
- B. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
- C. CEILING HEIGHTS INDICATED ON PLANS ARE FROM FINISH FLOOR TO FINISH CEILING.
- D. PAINT ALL PREVIOUSLY PAINTED INTERIOR SURFACES, TRIM, ETC. REFER TO FINISH SCHEDULE.
- E. PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING ADJACENT CONSTRUCTION AT AREAS OF DEMOLITION.
- F. VERIFY OPERATION OF SUBSURFACE DRAINAGE. SCOPE AS REQUIRED.
- PROVIDE NEW WINDOWS AND DOORS WHERE INDICATED. REFER TO WINDOW G. AND DOOR SCHEDULES.
- H. TUCKPOINT INTERIOR FACES OF BASEMENT FOUNDATION WALLS AS NECESSARY.
- PROVIDE INSULATION AS SCHEDULED.
- SECURE EXISTING HANDRAILS AND BANISTERS. J.
- Κ. EXISTING HARDWOOD FLOORING TO BE REFINISHED. REFER TO NEW WORK PLANS FOR LOCATIONS AND FINISH SCHEDULE.
- REPAIR DAMAGED PLASTER/GYPSUM BOARD SURFACES (WALLS, CEILINGS, SOFFITS, L. ETC.)
- M. PROVIDE NEW VINYL COATED CLOSET WIRE SHELVES, 12" DEEP, TYPICAL. VERIFY EXISTING DIMENSIONS AND ADJUST DEPTH WHERE NECESSARY. PROVIDE HANGING ROD AT 60" A.F.F. STATIC LOAD: 75 LB/FT OF SHELF MINIMUM. COLOR: WHITE. ACCEPTABLE MANUFACTURERS: SCHULTE CORP., RUBBERMAID, INC., CLOSETMAID (A DIVISION OF EMERSON ELECTRIC CO.)
- PROVIDE NEW HORIZONTAL LOUVER BLINDS WITH 2" FAUX WOOD SLATS FOR ALL WINDOWS IN ALL ROOMS IN ALL LIVING UNITS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. SLAT WIDTH: 2 INCH. COLOR: TBD. ACCEPTABLE MANUFACTURERS: LEVOLOR CONTRACT (A NEWELL RUBBERMAID COMPANY), SPRINGS WINDOW FASHIONS (SWF CONTRACT).
- PROVIDE NEW BATHROOM ACCESSORIES AND MEDICINE CABINETS. REFER TO NEW/1 WORK PLANS FOR LOCATIONS AND INTERIOR ELEVATIONS.
- P. PROVIDE NEW KITCHEN AND BATHROOM CABINETS AND COUNTERTOPS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. REFER TO NEW WORK PLANS AND INTERIOR ELEVATIONS.
- Q. PROVIDE NEW APPLIANCES. REFER TO NEW WORK PLANS, INTERIOR ELEVATIONS AND APPLIANCE SCHEDULE.
- R. PROVIDE NEW GAS FURNACES, THERMOSTATS, CONDENSING UNITS, EXHAUST FANS AND LOUVER/DIFFUSERS/GRILLES. REFER TO MECHANICAL DRAWINGS.
- S. PROVIDE NEW WATER CLOSETS, VANITY SINKS AND FAUCETS. REFER TO PLUMBING DRAWINGS.
- REMOVE EXISTING SHOWER VALVE BY REMOVING SECTION OF GYPSUM T. BOARD/PLASTER FROM BEHIND BATHTUB WALL IN ADJACENT ROOM. REPAIR WALL AFTER SHOWER VALVES HAVE BEEN REPLACED. PROVIDE SMOOTH CONTINUOUS SURFACE. WHERE ACCESS FROM BEHIND IS NOT POSSIBLE, CAREFULLY REMOVE AND REPLACE/REINSTALL SECTION OF GYPSUM BOARD/PLASTER AND TILE FROM BATHTUB SURROUND. REFER TO NEW WORK KEYNOTES.
- PROVIDE NEW DOUBLE BOWL SINKS AND NEW FAUCETS IN KITCHENS. REFER TO U. PLUMBING DRAWINGS.
- V. REPLACE EXISTING WATER HEATERS AND SUMP PUMPS WITH NEW WHERE NOTED ON PLUMBING DRAWINGS.
- W. REPLACE EXISTING CARBON MONOXIDE/SMOKE DETECTORS WITH NEW. REFER TO ELECTRICAL DRAWINGS.
- PROVIDE NEW LIGHT FIXTURES, SWITCHES, AND RECEPTACLES IN EXISTING Χ. LOCATIONS. PROVIDE NEW COVER PLATES. REPLACE TV, CABLE AND DATA OUTLET COVER PLATES. REFER TO ELECTRICAL DRAWINGS.
- Υ. VERIFY ALL ATTIC ACCESS LADDERS WORK PROPERLY. REPAIR AS REQUIRED.
- WHEN ADDING INSULATION, PROVIDE AIR SEALING FOR AIR BYPASS LOCATIONS INCLUDING, BUT NOT LIMITED TO: CHIMNEY CHASES, COMBUSION/SOIL STACK CHASES, OPEN WALL TOPS, DROPPED CEILING, OPEN PLUMBING WALLS, BENEATH KNEE WALLS, AROUND DUCTWORK, ELECTRICAL WORK AND ATTIC POINTS. ACCEPTABLE SEALING MATERIALS ARE DETERMINED BY SIZE AND LOCATION OF OPENING AND INCLUDE HIGH QUALITY CAULKING WITH 20-YEAR LIFE SPAN, POLYETHYLENE ROD STOCK, SPRAY FOAM, GYPSUM BOARD, SHEET METAL, EXTRUDED POLYSTYRENE INSULATION AND DENSELY PACKED INSULATION. AIR SEALING MUST PREVENT AIR LEAKAGE THAT WILL NOT BE DETECTED BY INFRARED SCAN WHEN BUILDING IS DEPRESSURIZED AT 25 PASCALS.

|                     | C              | ABINETRY                                                                                 | PLAN                                                                                                                 | LEGEND                                                                                                                                                                                                           |  |  |  |  |  |
|---------------------|----------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|                     |                | LETTERS IN                                                                               | DICATES C/                                                                                                           | ABINET TYPE, TYP.                                                                                                                                                                                                |  |  |  |  |  |
|                     | <u>XX##</u>    | INCHES, T                                                                                | NUMBERS INDICATES CABINET WIDTH IN<br>INCHES, TYP. GENERAL CONTRACTOR TO<br>FIELD VERIFY PRIOR TO ORDERING CABINETS. |                                                                                                                                                                                                                  |  |  |  |  |  |
| CAE                 | BINET TYPE ABE | BREVIATIONS:                                                                             |                                                                                                                      |                                                                                                                                                                                                                  |  |  |  |  |  |
| B<br>BB<br>CB<br>DB | BLIND          | CABINET<br>BASE CABINET<br>NER BASE CABINET<br>VER BASE CABINET                          | W<br>BW<br>BADA                                                                                                      | WALL CABINET<br>BLIND WALL CABINET<br>WALL-HUNG ADA                                                                                                                                                              |  |  |  |  |  |
| SB<br>VB<br>T       | VANI           | BASE CABINET<br>TY BASE<br>CABINET                                                       | VADA                                                                                                                 | COMPLIANT BASE (B) OR<br>VANITY (V) CABINET<br>WITH FRONT APPROACH<br>CLEARANCE                                                                                                                                  |  |  |  |  |  |
|                     |                |                                                                                          |                                                                                                                      | N NEW AND EXISTING<br>DR NEW CABINETRY.                                                                                                                                                                          |  |  |  |  |  |
|                     |                | WAL                                                                                      | L TYPES:                                                                                                             |                                                                                                                                                                                                                  |  |  |  |  |  |
|                     |                | EXISTING CONSTR                                                                          | UCTION TO                                                                                                            | BE DEMOLISHED                                                                                                                                                                                                    |  |  |  |  |  |
|                     |                | EXISTING CONSTR                                                                          | UCTION TO                                                                                                            | REMAIN                                                                                                                                                                                                           |  |  |  |  |  |
|                     |                | EXISTING PARTIAL                                                                         | HEIGHT WA                                                                                                            | LL TO REMAIN                                                                                                                                                                                                     |  |  |  |  |  |
|                     | <del></del>    | LOCATION. PROV<br>WITH 3" MINERAL I<br>BOARD EACH SID<br>SHEATHING WITH                  | IDE NEW 3<br>FIBER INSUL<br>E (GA FILE N<br>INTEGRAL A                                                               | SEMBLY - SEE NEW WORK PLAN FOR<br>1 /2" 20 GA STEEL STUDS @ 16" O.C.<br>ATION BATT AND 5 /8" TYPE X GYPSU<br>NO WP 1417). PROVIDE 7/16" ZIP<br>NR/WATER BARRIER AND ASSOCIATE<br>OVIDE PRE-FINISHED FIBER CEMENT |  |  |  |  |  |
|                     | - 1HR          | HOUR OR 2 HOUR<br>WALL ASSEMBLY IS<br>NON-COMPLYING<br>REPAIR TO MATCH<br>WORK, MODIFICA | WALL TO R<br>S UNKNOW<br>G CONDITIC<br>H EXISTING R<br>TIONS, INFI                                                   | TING OF THE ASSEMBLY - EXISTING 1<br>EMAIN. THE RATING OF THE EXISTIN<br>N AND MAY BE AN EXISTING<br>ON. AT AREAS OF MINOR DAMAGE,<br>RATED CONSTRUCTION. FOR NEW<br>LLS, AND LARGE AREAS OF FINISH              |  |  |  |  |  |

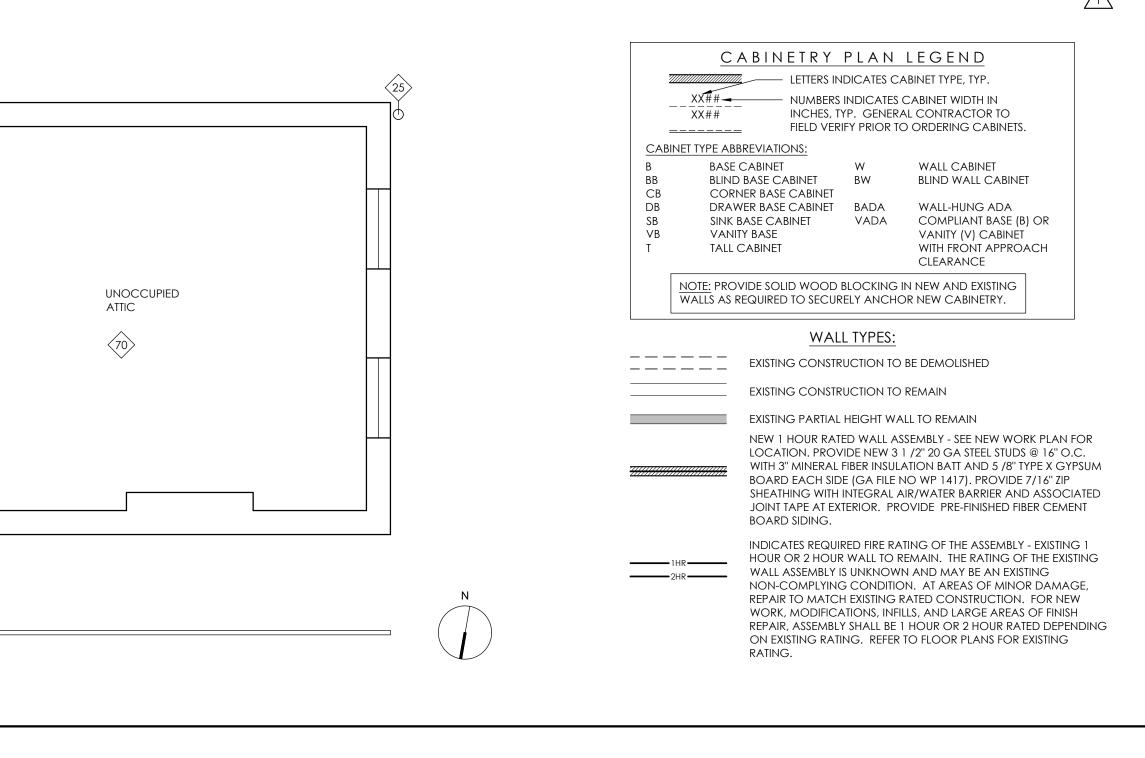
REPAIR, ASSEMBLY SHALL BE 1 HOUR OR 2 HOUR RATED DEPENDING ON EXISTING RATING. REFER TO FLOOR PLANS FOR EXISTING

- 1. EXISTING STONE OR CONCRETE STAIR/LANDING TO REMAIN. REPAIR AS REQUIRED.
- 2. REPAIR EXISTING STONE RETAINING WALL.
- 3. REPAIR EXISTING CONCRETE RETAINING WALL.
- 4. EXISTING METAL SECURITY GATE / FENCE. REMOVE RUST, CLEAN, PAINT AND INSTALL NEW HARDWARE. REFER TO DOOR SCHEDULE.
- PROVIDE NEW CONCRETE THIS AREA. PROVIDE SEALANT AT BUILDING PERIMETER WHERE ADJACENT TO BUILDING. IN AREAS WHERE CONCRETE IS ADJACENT TO HISTORIC STONE STREET CURB, TEMPORARILY MOVE STONE CURB AND REINSTALL TO ORIGINAL LOCATION AS PART OF NEW WORK.
- 6. PROVIDE NEW BASEMENT SIDEWALK ACCESS DOORS IN EXISTING LOCATION. DOORS TO BE FLUSHED WITH SIDEWALK. PAINT. REFER TO FINISH SCHEDULE.
- 7. REPAIR EXISTING ±12" HIGH MASONRY UNIT WALL.
- 20. PROVIDE NEW USPS APPROVED SURFACE MOUNTED MAILBOXES. MOUNT AT 48" A.F.F. MAXIMUM WITH 4" PROJECTION FROM FACE OF WALL.
- 21. SECURE, CLEAN AND REPAIR EXISTING GUARDS/HANDRAILS. PREP TO RECEIVE NEW FINISH.
- 22. EXISTING FIRE ESCAPE TO REMAIN. REPOINT ALL ATTACHMENTS AND REPAIR ALL DEFICIENCIES. REMOVE RUST AND PROVIDE NEW RUST INHIBITIVE PAINT. G.C. IS RESPONSIBLE FOR FIRE ESCAPE EXAMINATION AND INSPECTION PER CITY OF CINCINNATI - REPAIR WORK TO BE UNDER SEPARATE PERMIT.
- 23. REPAIR EXISTING EXTERIOR STEEL STAIR. PAINT WITH RUST INHIBITIVE PAINT. SEE STRUCTURAL DRAWINGS.
- 24. PROVIDE NEW GALVANIZED AND PAINTED EXTERIOR 1-1/2" DIAMETER METAL HANDRAIL MOUNTED AT 34" ABOVE TREAD NOSE. WHERE CONDITIONS ALLOW, EXTEND MINIMUM 12" HORIZONTALLY AT TOP TREAD AND EXTEND MINIMUM (1) TREAD DEPTH HORIZONTALLY AT BOTTOM RISER. RETURN HANDRAIL TO WALL WHERE EXISTING CONDITIONS ALLOW, OTHERWISE RETURN TO FLOOR. PROVIDE GUARDS WHERE NOT MOUNTED TO EXTERIOR WALL. PROVIDE SHOP DRAWINGS.
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- 30. LOCATION OF NEW AC CONDENSING UNIT. REFER TO MECHANICAL DRAWINGS.
- 31. PROVIDE NEW INTERCOM SYSTEM WITH CONTROLS AT 48" ABOVE GRADE, TO BE DETERMINED AND COORDINATED BY CONTRACTOR/OWNER. REFER TO ELECTRICAL DRAWINGS
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- 46. REPLACE ALL FLOOR TILE WITH NEW FLOOR TILE. REFER TO FINISH SCHEDULE.
- 47. REPLACE DAMAGED FLOOR TILES WITH NEW TO MATCH EXISTING TILE. FOR BIDDING PURPOSES, ASSUME (4) 12 X 12 TILES ARE TO BE REPLACED
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- 50. PROVIDE NEW WALL. SEE WALL TYPE LEGEND.
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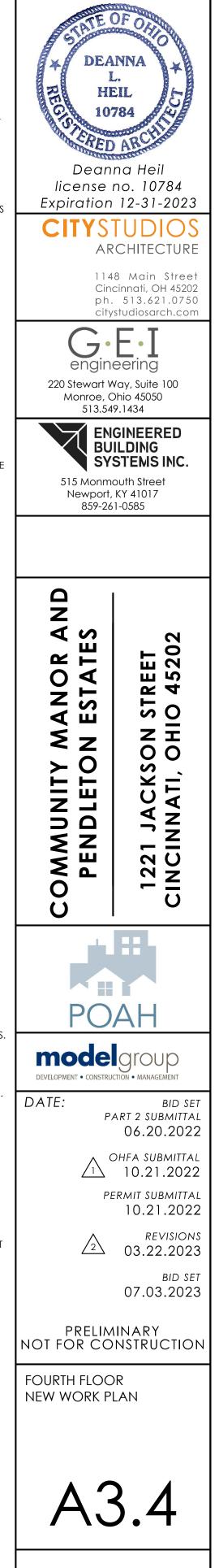


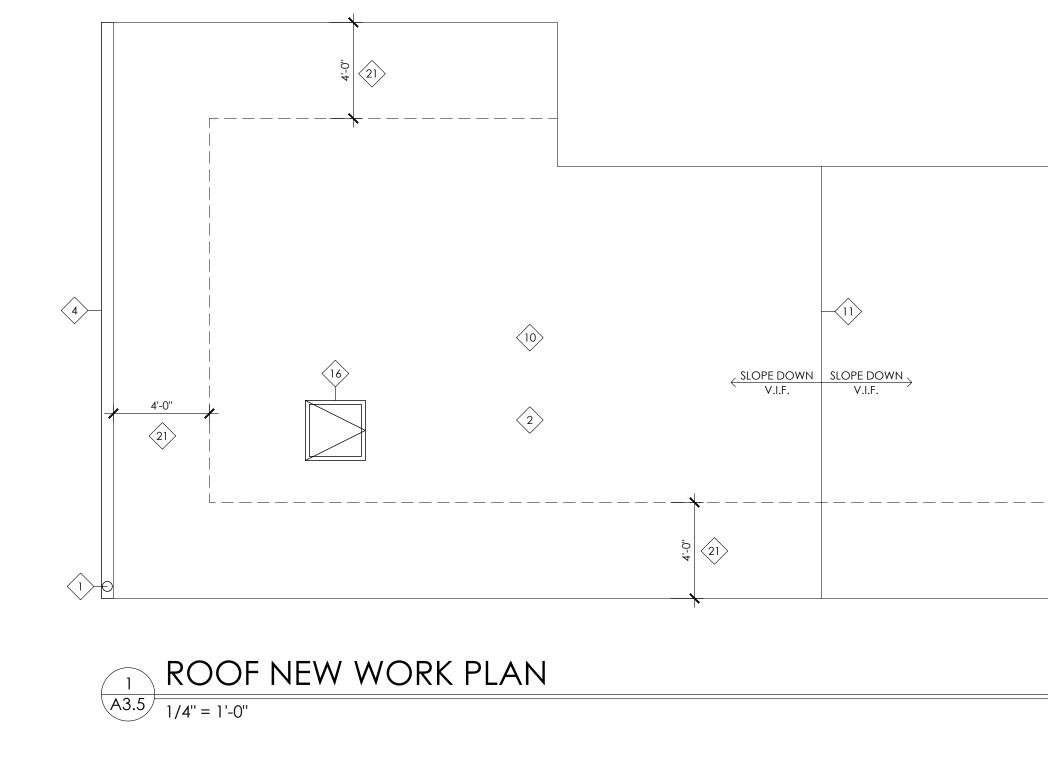


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- V. REPLACE EXISTING WATER HEATERS AND SUMP PUMPS WITH NEW WHERE NOTED ON PLUMBING DRAWINGS.
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- 48. REPLACE MARBLE TRANSITION STRIP BETWEEN TILE AND WOOD FLOORING. MATCH EXISTING.
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- 50. PROVIDE NEW WALL. SEE WALL TYPE LEGEND.
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#### ROOF PLAN GENERAL NOTES

- A. PROVIDE NEW ROOFING. REFER TO ROOF PLAN KEY NOTES. NEW SHINGLE ROOF REQUIRES A 30-YEAR WARRANTY. NEW TPO ROOF REQUIRES A 20-YEAR WARRANTY. AN ADDITIONAL SEPARATE 10-YEAR LABOR WARRANTY IS ALSO REQUIRED.
- B. PROVIDE FLASHING AS REQUIRED AT ALL EXHAUST AND PLUMBING VENTS PER ROOFING MANUFACTURER'S INSTRUCTIONS.
- C. ALL CHIMNEYS AND ASSOCIATED ELEMENTS ARE TO REMAIN, U.N.O. PROVIDE BRICK REPAIRS AS REQUIRED AND CAP IF NOT ALREADY CAPPED. VERIFY STRUCTURAL INTEGRITY.
- D. PROVIDE SELF-ADHERING, POLYMER-MODIFIED BITUMEN SHEET (ICE AND WATER SHIELD) FOR FIRST 3'-0" MINIMUM OF ROOF AND AT ALL VALLEYS. OVERLAP WITH GUTTER FLASHING.
- E. REPLACE DETERIORATED ROOF SHEATHING WHERE OCCURS (FIELD VERIFY PRIOR TO INSTALLING NEW ROOFING). IF DETERIORATED ROOF SHEATHING IS DISCOVERED AND MUST BE REPLACED WITHIN 4' OF AN INTERIOR LOT LINE, PROVIDE FIRE RETARDANT TREATED PLYWOOD SHEATHING.

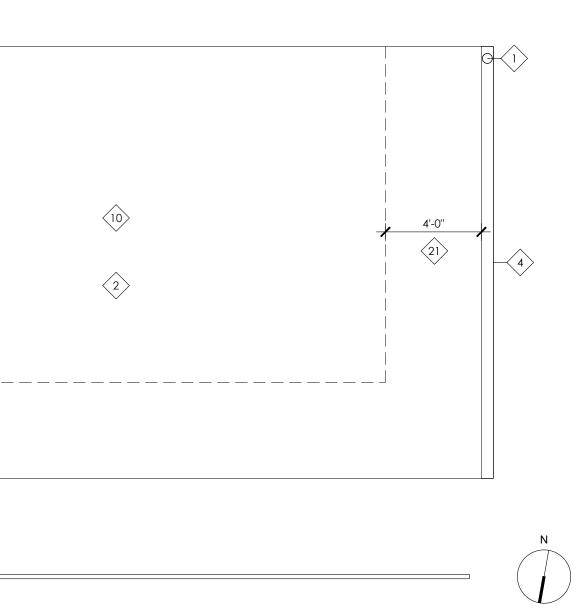
F. PROVIDE CRICKETS AS REQUIRED TO MAINTAIN ROOF DRAINAGE TOWARDS GUTTERS, TYPICAL.

G. NEW ROOFING SHALL BE A CLASS C ROOF COVERING PER 1505.1. IF EXISTING ROOF SHEATHING IS REPLACED WITHIN 4' OF THE PROPERTY LINE WHERE THERE IS A FIRE

SEPARATION DISTANCE OF LESS THAN 30' (AS INDICATED ON ROOF PLAN); SHEATHING SHALL BE REPLACED WITH APPROVED NON-COMBUSTIBLE MATERIALS OR FIRE-RETARDANT-TREATED WOOD.

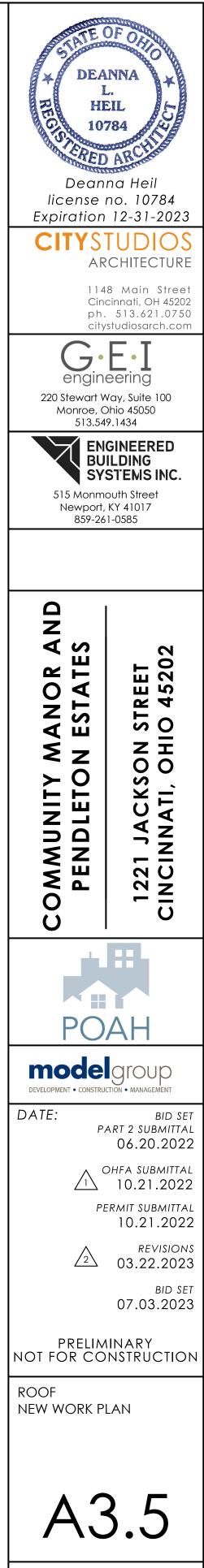
WHERE AN UNOCCUPIED ATTIC SPACE OCCURS BENEATH THE ROOF, PROVIDE 2

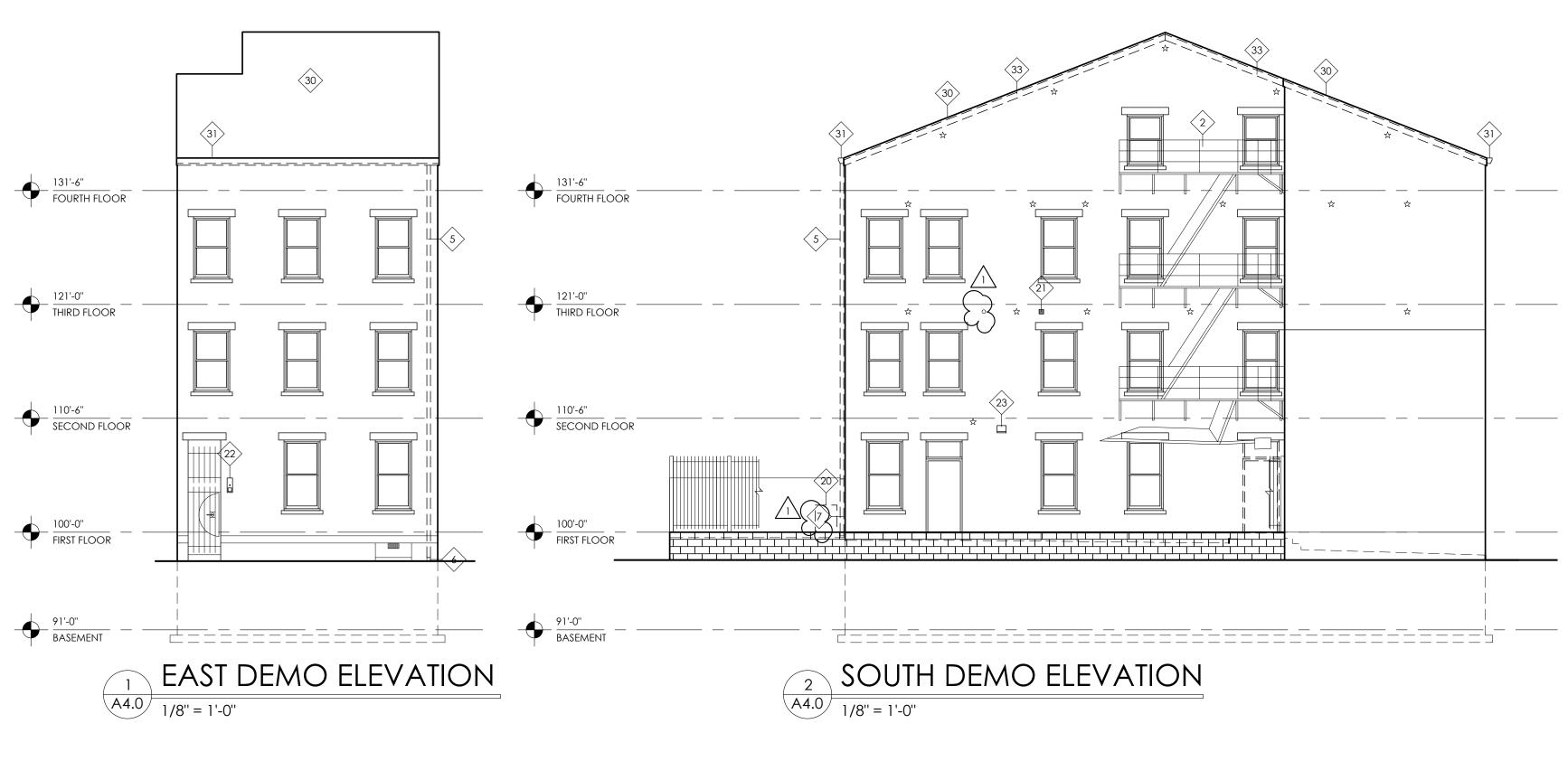
- FREE AREA VENTED SHALL BE 1/150 OF FLOOR AREA VENTED AT LOW SLOPE ROOFS.
   FREE AREA VENTED SHALL BE 1/150 OF FLOOR AREA VENTED AT PITCHED ROOFS AND MUST MEET THE FOLLOWING REQUIREMENTS:
- AT LEAST 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTING AREA SHALL BE PROVIDED BY VENTILATORS LOCATED IN THE UPPER
- PORTION OF THE ATTIC OR RAFTER SPACE.
  UPPER VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY.
- THE BALANCE OF THE VENTILATION SHALL BE PROVIDED BY EAVE VENTS OR VENTS WITHIN 3 FEET OF THE EAVE.

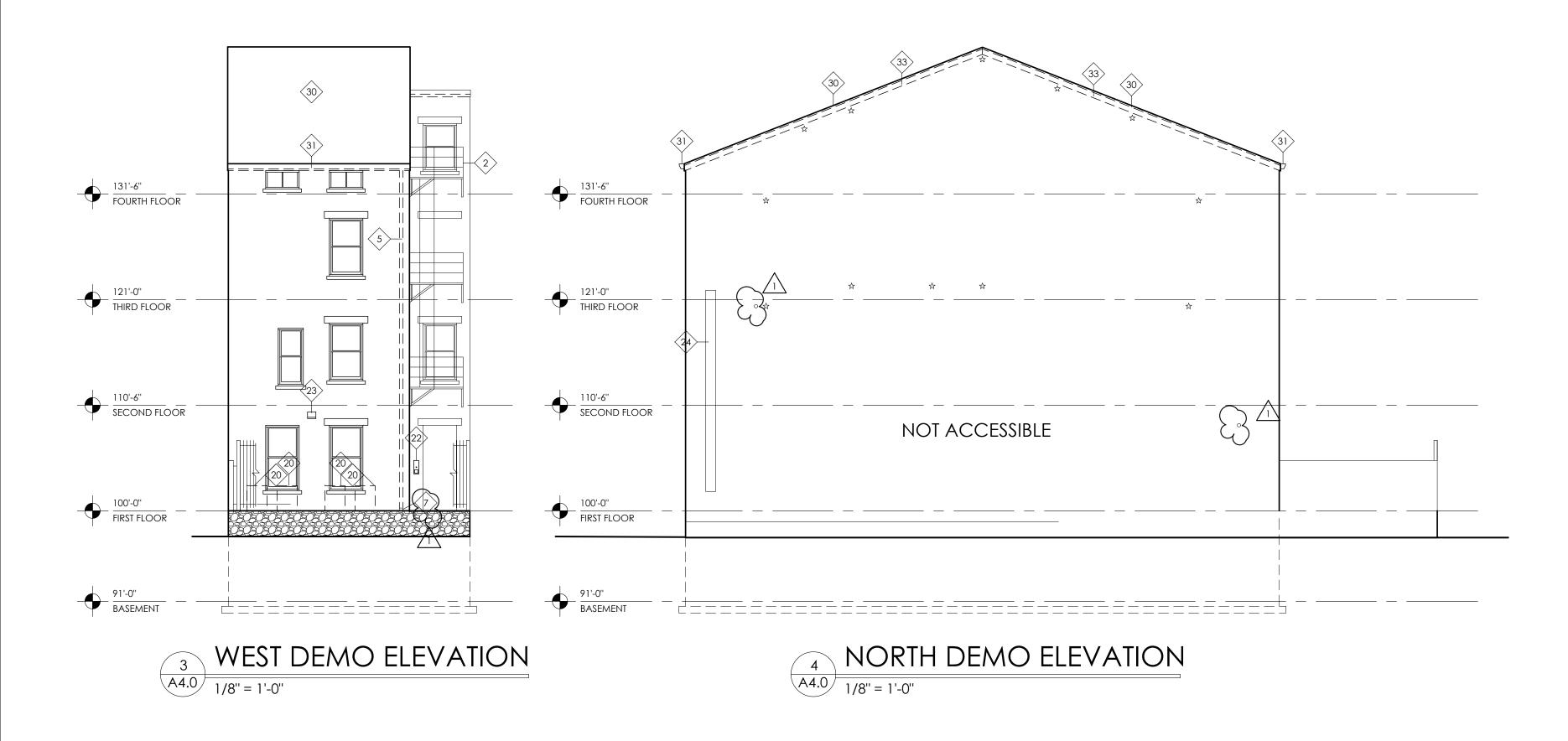


#### ROOF PLAN KEYNOTES

- 1. PROVIDE NEW ALUMINUM DOWNSPOUT TO REPLACE EXISTING. COLOR T.B.D. BY ARCHITECT.
- 2. PROVIDE NEW ROOFING: ASPHALT SHINGLE OVER ROOFING FELT. INSTALL PER MANUFACTURER DETAILS. PROVIDE FLASHING. PROVIDE SELF-ADHERED ICE AND WATER SHIELD AT ALL EAVES, RAKES AND VALLEYS PER GENERAL NOTES. PROVIDE ICE AND WATER SHIELD FOR ENTIRE EXTENT WHERE SLOPE IS LESS THAN 4:12. INSPECT EXISTING ROOF SHEATHING AND REPLACE WHERE DETERIORATED. PROVIDE NEW PRE-FINISHED ALUMINUM FLASHING AT ALL VERTICAL SURFACES. PROVIDE STEPPED COUNTER FLASHING ALONG SLOPE PER SMACNA STANDARDS. EMBED COUNTER FLASHING 1" MIN. INTO BRICK JOINT. PROVIDE DRIP EDGE, COLOR T.B.D. BY ARCHITECT.
- 3. PROVIDE NEW ROOFING: FULLY ADHERED WHITE TPO MEMBRANE. INSTALL PER MANUFACTURER'S DETAILS. PROVIDE INSULATION AND COVER BOARD. PROVIDE FLASHING. INSPECT EXISTING ROOF SHEATHING AND REPLACE WHERE DETERIORATED. TURN TPO ROOFING UP AT VERTICAL SURFACES AND TERMINATE PER ROOFING MANUFACTURER'S INSTRUCTIONS. PROVIDE COUNTER FLASHING PER ROOFING MANUFACTURER'S INSTRUCTIONS. AT SLOPED ROOF SURFACES, PROVIDE STEPPED COUNTER FLASHING PER SMACNA STANDARDS. EMBED COUNTER FLASHING 1" MIN. INTO BRICK JOINT. PROVIDE GRAVEL STOP WHERE THERE ARE NO PARAPET WALLS, COLOR T.B.D. BY ARCHITECT.
- 4. PROVIDE NEW K-STYLE 6" ALUMINUM GUTTER TO REPLACE EXISTING. PROVIDE NEW 1x WOOD GUTTER BOARD WRAPPED IN PRE-FINISHED ALUMINUM BREAK METAL. COLOR T.B.D. BY ARCHITECT. PROVIDE PRE-FINISHED ALUMINUM DRIP EDGE.
- 5. EXISTING WOOD BOX GUTTER TO REMAIN. REPAIR AS REQUIRED AND PAINT. PROVIDE NEW FORMED METAL GUTTER LINER. REFER TO DIAGRAM DETAIL.
- 6. EXISTING DECORATIVE CORNICE TO REMAIN. REPAIR DAMAGED OR DETERIORATED ELEMENTS. REPLACE ANY MISSING ELEMENTS TO MATCH EXISTING AS REQUIRED AND PAINT. PROVIDE NEW BOX GUTTER LINER. PROVIDE NEW METAL COPING WHERE THERE IS NO BOX GUTTER AND AT THE TOP OF WOOD ELEMENTS. COLOR T.B.D. BY ARCHITECT.
- EXISTING MASONRY CHIMNEY TO REMAIN. REPAIR MASONRY AS REQUIRED.
   PROVIDE NEW GUARDRAIL AT NEW MECHANICAL UNIT.
- PROVIDE CRICKETS AS REQUIRED TO MAINTAIN ROOF DRAINAGE TOWARDS GUTTERS, TYPICAL.
- 10. PROVIDE ATTIC/ROOF VENTILATOR BOX(ES) AS REQUIRED TO ACHIEVE TOTAL NET FREE AREA REQUIRED. SEE REQUIREMENTS IN GENERAL NOTES.
- 11. PROVIDE CONTINUOUS RIDGE VENT. REFER TO VENTILATION REQUIREMENTS IN GENERAL NOTES.
- LOCATION OF ROOFTOP CONDENSING UNIT. REFER TO MECHANICAL DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR REQUIRED STRUCTURAL MODIFICATIONS.
   PROVIDE FIELD FABRICATED EXPANSION JOINT PER MANUFACTURER'S DETAILS AT
- 13. FROM DE FIELD FABRICATED EXPANSION JOINT FER MANUFACTURER'S DETAILS AT INTERSECTION OF ROOF AND ADJACENT BUILDING WALL.
   14. EXISTING 1ST ELOOD COMMERCIAL SPACE MECHANICAL FOUNDMENT TO DEMAIN
- 14. EXISTING 1ST FLOOR COMMERCIAL SPACE MECHANICAL EQUIPMENT TO REMAIN IN EXISTING LOCATION. VERIFY LOCATION.
- 15. NOT USED.
- 16. PROVIDE NEW ROOF ACCESS HATCH.
- 17. PROVIDE NEW RESIDENTIAL CONDENSING UNIT ON ROOF. PROVIDE ROOF STRUCTURE REINFORCEMENT AS NOTED ON STRUCTURAL DRAWINGS. REFER TO MECHANICAL DRAWINGS AND STRUCTURAL DRAWINGS.
- EXISTING METAL GUARDRAIL TO REMAIN. SECURE, REPAIR, CLEAN, AND PAINT.
   PROVIDE NEW PAINTED 42" TALL METAL GUARDRAIL. GUARDRAIL MEMBERS SPACED TO PREVENT THE PASSAGE OF A 21" DIA. SPHERE. SEE STRUCTURAL DRAWINGS. SEE EXTERIOR FINISH SCHEDULE FOR PAINT COLOR. PROVIDE SHOP DRAWING FOR REVIEW.
- 20. NO WORK BOUNDARY WITHIN 10' OF ROOF PERIMETER.
- 21. IF ROOF SHEATHING IS REPLACED WITHIN 48" OF ROOF PERIMETER, NEW ROOF SHEATHING TO BE FIRE RETARDANT TREATED WOOD.





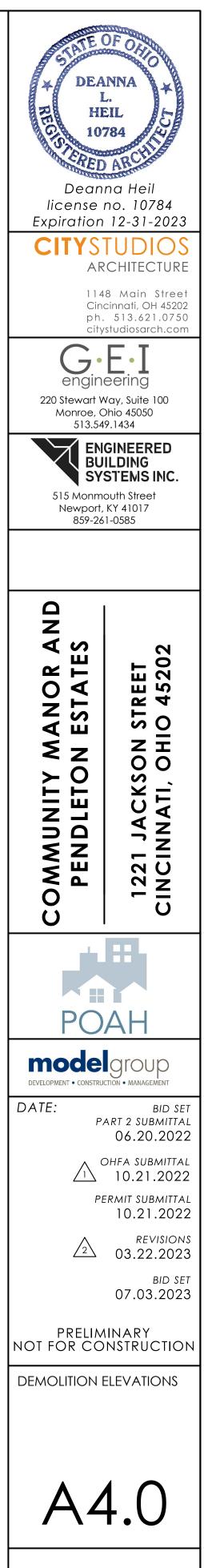


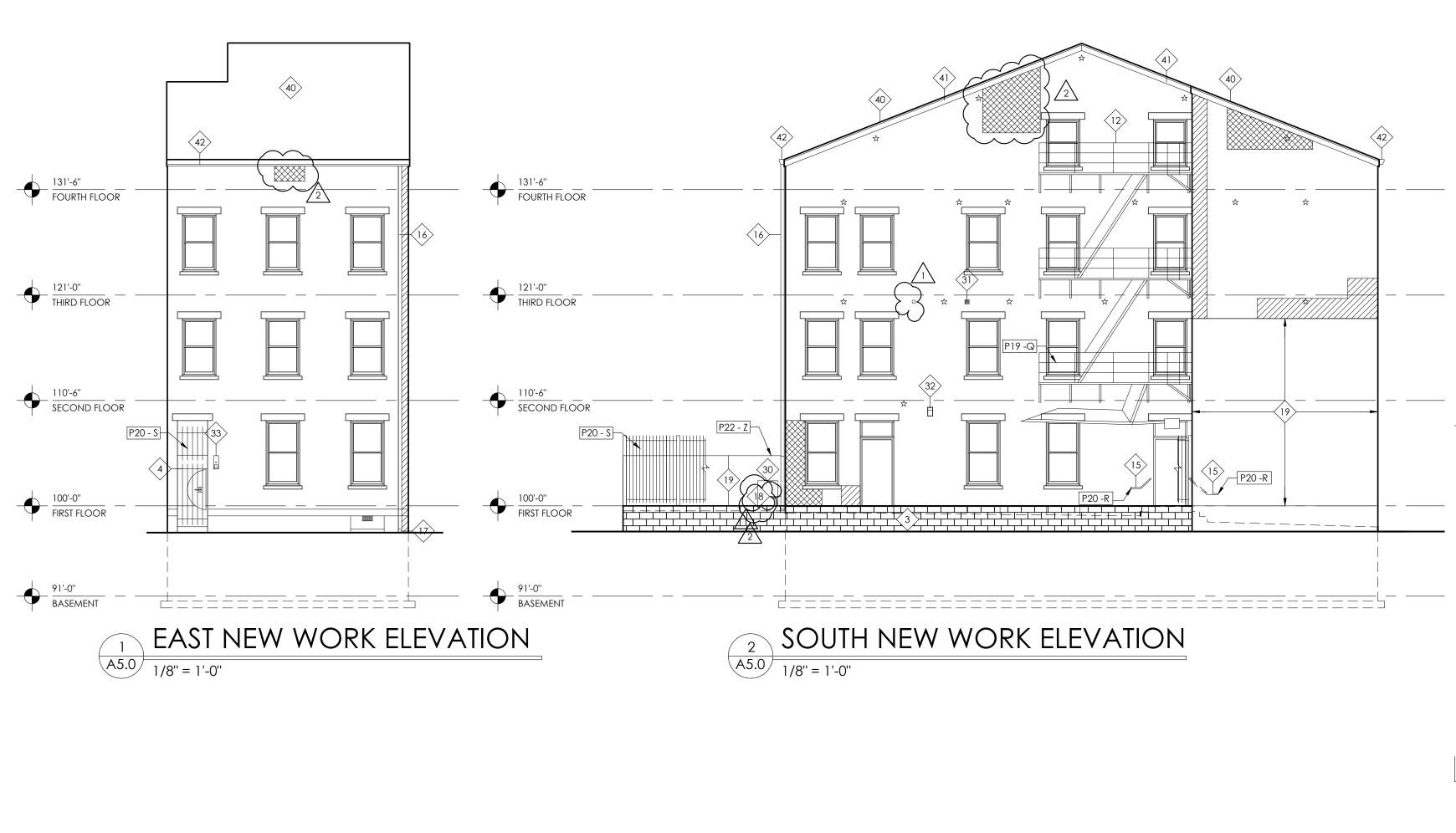
#### DEMOLITION ELEVATION GENERAL NOTES

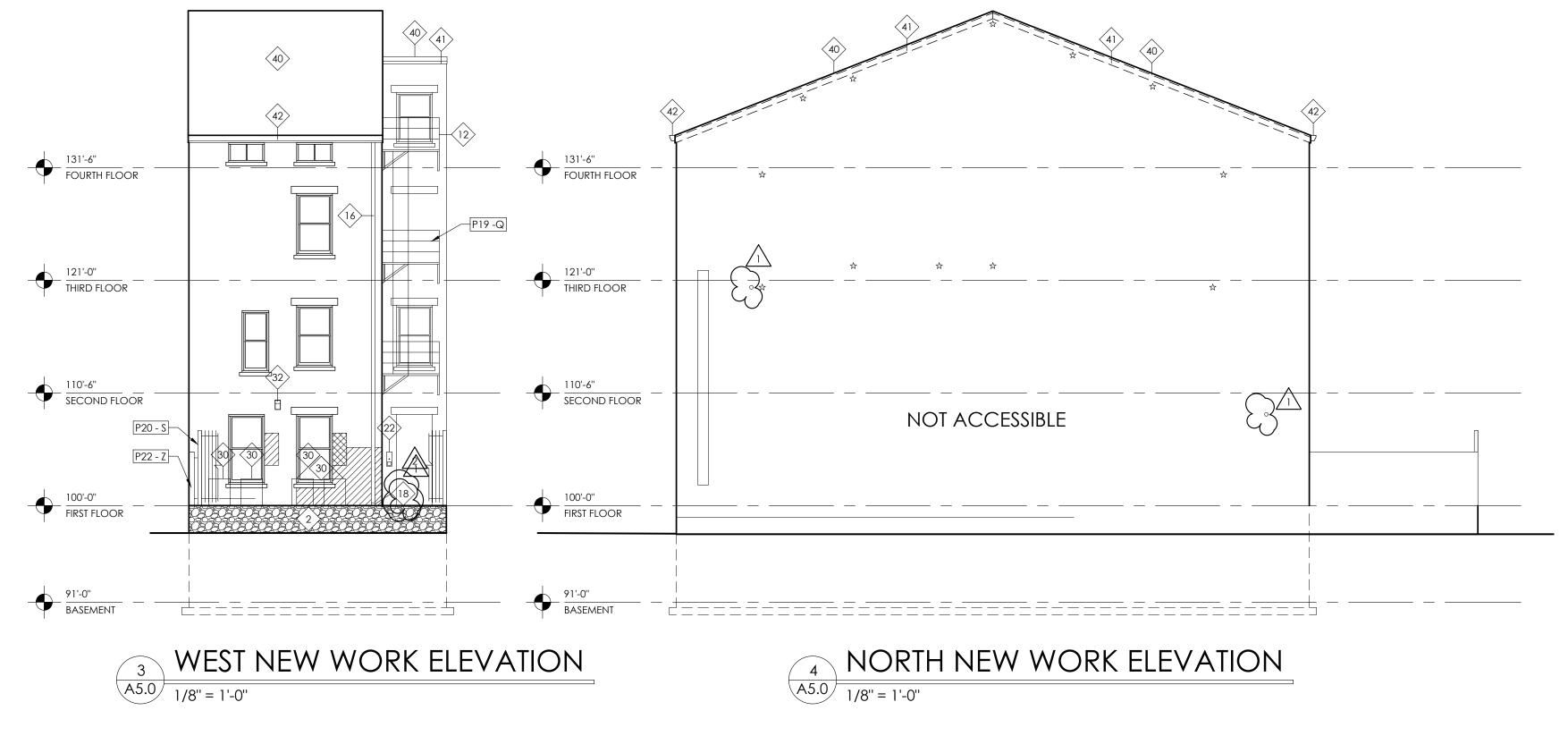
- A. ALL BOLD DASHED ELEMENTS ARE TO BE REMOVED, U.N.O. CONSULT ARCHITECT FOR CLARIFICATION IF NOTATIONS AND GRAPHICS CONFLICT OR IF INTENT IS UNCLEAR.
- B. REMOVE ALL IVY AND ANY SIMILAR PLANT GROWTH INCLUDING ROOTS FROM EXISTING BRICK AND STONE MASONRY ON BUILDING EXTERIOR AND FROM SITE.
- C. REMOVE ALL EXISTING DOWNSPOUTS AND HUNG GUTTERS. EXISTING HISTORIC BOX GUTTERS AND CORNICES TO REMAIN. REMOVE EXISTING BOX GUTTER LINERS AND PREPARE FOR NEW BOX GUTTER LINERS. EXISTING CAST IRON BOOTS TO REMAIN.
- D. PREPARE ALL BRICK AND STONE MASONRY FOR REPAIR. CAREFULLY REMOVE ANY CRACKED OR SOFT BRICK SO AS NOT TO DAMAGE ADJACENT MASONRY. CAREFULLY REMOVE ANY DETERIORATED OR SOFT MORTAR IN PREPARATION FOR TUCKPOINTING.
- E. REFER TO NEW WORK ELEVATIONS FOR BRICK TO BE REPLACED AND FOR MORTAR TO BE TUCKPOINTED.
- F. EXISTING EXTERIOR STONE LINTELS AND SILLS TO REMAIN, U.N.O.
- G. REMOVE LOOSE PAINT ON EXISTING SURFACES AND PREP FOR NEW PAINT.
- H. EXISTING STOREFRONT ELEMENTS TO REMAIN.
- REMOVE ALL EXISTING CONDUIT, LIGHT FIXTURES, ELECTRICAL EQUIPMENT, MECHANICAL VENTS, PLUMBING ELEMENTS AND ASSOCIATED ATTACHMENTS WITHOUT DAMAGING EXISTING MASONRY. PREP MASONRY FOR REPAIR.
- REMOVE ALL EXISTING ROOFING INCLUDING FASTENERS DOWN TO ROOF SHEATHING. VERIFY CONDITION OF EXISTING ROOF SHEATHING AND REMOVE DAMAGED OR DETERIORATED AREAS.
- K. ALL CHIMNEYS AND ASSOCIATED ELEMENTS ARE TO REMAIN, U.N.O. REFER TO NEW WORK PLANS.

### I ↓ DEMOLITION ELEVATION KEYNOTES

- 1. REMOVE EXISTING MAIL BOXES.
- 2. EXISTING FIRE ESCAPE TO REMAIN.
- 3. EXISTING METAL EXTERIOR STAIR TO REMAIN. SCRAP RUST, PATCH AND REPAIR DAMAGED AREAS AND PREP FOR RUST INHIBITIVE PAINT. REFER TO STRUCTURAL DRAWINGS.
- 4. NOT USED.
- 5. REMOVE EXISTING DOWNSPOUT.
- 6. EXISTING CAST IRON DOWNSPOUT BOOT TO REMAIN.
- 7. REMOVE EXISTING PVC DOWNSPOUT BOOT.
- 8. REMOVE EXISTING CRACKED STONE LINTEL OR SILL AND PREP FOR REPLACEMENT.
- 9. REMOVE EXTERIOR SIDING.
- 10. EXISTING STOREFRONT ELEMENTS TO REMAIN AND TO BE PROTECTED DURING CONSTRUCTION.
- 11. REMOVE EXISTING METAL FRAMING AND PREPARE AREA OF MASONRY FOR REPAIR.
- 12. REMOVE EXISTING WALL. REFER TO DEMOLITION PLANS.
- 13. REMOVE STREET ADDRESS PLAQUE TO RELOCATE IN NEW LOCATION AS INDICATED IN NEW WORK ELEVATION.
- 20. DISCONNECT AND REMOVE EXISTING MECHANICAL EQUIPMENT AND ALL ASSOCIATED COMPONENTS FOR RESIDENTIAL APARTMENT UNITS ONLY. CONTRACTOR TO VERIFY LOCATION OF RESIDENTIAL UNITS IN FIELD. REMOVE ASSOCIATED PLATFORMS. EXISTING DUCTWORK TO REMAIN. REFER TO MECHANICAL DRAWINGS.
- 21. EXISTING EXHAUST VENT(S) TO REMAIN. REMOVE EXISTING COVER(S) AND PREPARE DUCT FOR NEW COVER(S) AS REQUIRED.
- 22. REMOVE EXISTING INTERCOM SYSTEM INCLUDING ASSOCIATED COMPONENTS IN EACH DWELLING UNIT. REFER TO ELECTRICAL DRAWINGS
- 23. REMOVE EXISTING EXTERIOR LIGHT FIXTURE. EXISTING JUNCTION BOX TO REMAIN. REFER TO ELECTRICAL DRAWINGS.
- 24. LOCATION OF EXISTING ELECTRICAL SERVICE TO REMAIN. REFER TO ELECTRICAL DRAWINGS.
- 25. EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
- 26. EXISTING EXTERIOR LIGHT FIXTURE TO REMAIN.
- 27. EXISTING SECURITY CAMERA TO REMAIN.
- 30. REMOVE ALL EXISTING ROOFING MATERIALS AND DETERIORATED WOOD ROOF SHEATHING IF PRESENT (V.I.F.) INCLUDING BUT NOT LIMITED TO FLASHING, COPINGS, TERMINATIONS, ETC. PREP FOR NEW ROOFING.
- 31. REMOVE EXISTING HUNG ALUMINUM GUTTERS. REMOVE GUTTER BOARD TRIM AND PREP FOR REPLACEMENT.
- 32. EXISTING BOX GUTTER/DECORATIVE CORNICE TO REMAIN. REMOVE ANY DETERIORATED WOOD ELEMENTS AND PREP FOR NEW WORK. REMOVE EXISTING GUTTER LINER AND PREP FOR NEW.
- 33. REMOVE EXISTING RAKE BOARD AND PREP FOR NEW WORK.
- 34. EXISTING ATTIC VENT TO REMAIN. VERIFY CONDITION.
- 35. EXISTING COMMERCIAL 1ST FLOOR COMMERCIAL SPACE MECHANICAL EQUIPMENT TO REMAIN AND TO REMAIN IN SERVICE DURING CONSTRUCTION. CONTRACTOR TO VERIFY IN FIELD LOCATION OF COMMERCIAL MECHANICAL UNITS.







#### NEW WORK ELEVATION GENERAL NOTES

- A. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS IN FIELD AS NEEDED.
- B. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
- C. PAINT ALL PREVIOUSLY PAINTED EXTERIOR ELEMENTS. REFER TO FINISH SCHEDULE. D. PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING ADJACENT CONSTRUCTION AT
- AREAS OF DEMOLITION.
- E. VERIFY OPERATION OF SUBSURFACE DRAINAGE. SCOPE AS REQUIRED.
- F. TUCKPOINT ALL MISSING, DETERIORATED OR SOFT MORTAR JOINTS IN ALL MASONRY AREAS SPECIFICALLY NOTED FOR TUCKPOINTING AND OVERALL PERCENTAGES ARE FOR BIDDING REFERENCE ONLY. CONTRACTOR TO SURVEY MASONRY IN ORDER TO FINALIZE SCOPE OF WORK. PROVIDE MARKED-UP ELEVATION DRAWING TO NOTE AREAS OF WORK.
- G. REPLACE ALL MISSING, CRACKED, ERODED OR SPALLED BRICKS WITH NEW TO MATCH EXISTING HISTORIC BRICKS. EXERCISE CARE SO AS NOT TO DAMAGE ADJACENT HISTORIC BRICKS. AREAS SPECIFICALLY NOTED FOR REPLACEMENT ARE FOR BIDDING REFERENCE ONLY. CONTRACTOR TO SURVEY MASONRY IN ORDER TO FINALIZE SCOPE OF WORK. PROVIDE MARKED-UP ELEVATION DRAWING TO NOTE AREAS OF WORK.
- H. REPAIR EXISTING MASONRY AT LOCATIONS OF REPLACED VENTS, SATELLITE DISHES, LIGHT FIXTURES, ETC. TO MATCH EXISTING CONSTRUCTION. REMOVE/REPLACE BRICKS AS REQUIRED.
- I. EXISTING STONE LINTELS AND SILLS ARE TO REMAIN. REPLACE ALL CRACKED STONE LINTELS AND SILLS. WITH NEW CAST STONE TO MATCH EXISTING CONSTRUCTION. AFTER CONSTRUCTION, CONTRACTOR TO SURVEY ALL LINTELS AND SILLS TO FINALIZE SCOPE OF WORK.
- J. PROVIDE NEW POAH SIGNAGE WITH POAH LOGO AT MAIN ENTRIES AND FRONT FACADES. CONTRACTOR TO COORDINATE WITH OWNER FOR SIGN TYPE AND LOCATION.
- K. ALL CHIMNEYS AND ASSOCIATED ELEMENTS ARE TO REMAIN, U.N.O. PROVIDE BRICK REPAIRS AS REQUIRED AND CAP IF NOT ALREADY CAPPED. VERIFY STRUCTURAL INTEGRITY.

#### MASONRY REPAIR KEY

EXISTING MASONRY AREA TO BE TUCKPOINTED - FOR BIDDING REFERENCE ONLY. SCOPE OF WORK MAY NOT BE LIMITED TO HATCHED AREAS.

EXISTING MASONRY AREA TO BE REPLACED - FOR BIDDING REFERENCE ONLY. SCOPE OF WORK MAY NOT LIMITED TO HATCHED AREAS.

> ASSUME 10% TUCKPOINTING FOR ALL ELEVATIONS IN ADDITION TO SPECIFIED HATCHED AREAS.

### EXTERIOR ELEVATION PAINT KEY

REFER TO FINISH SCHEDULE FOR COLORS.

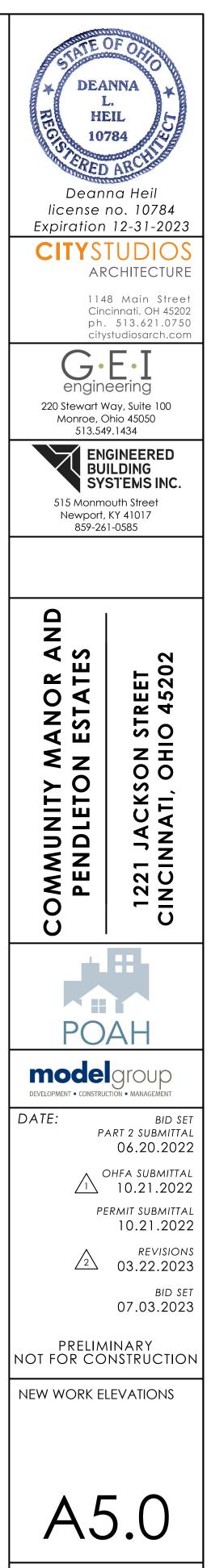
P19 - Q EXTERIOR METAL PAINT (FIRE ESCAPE)

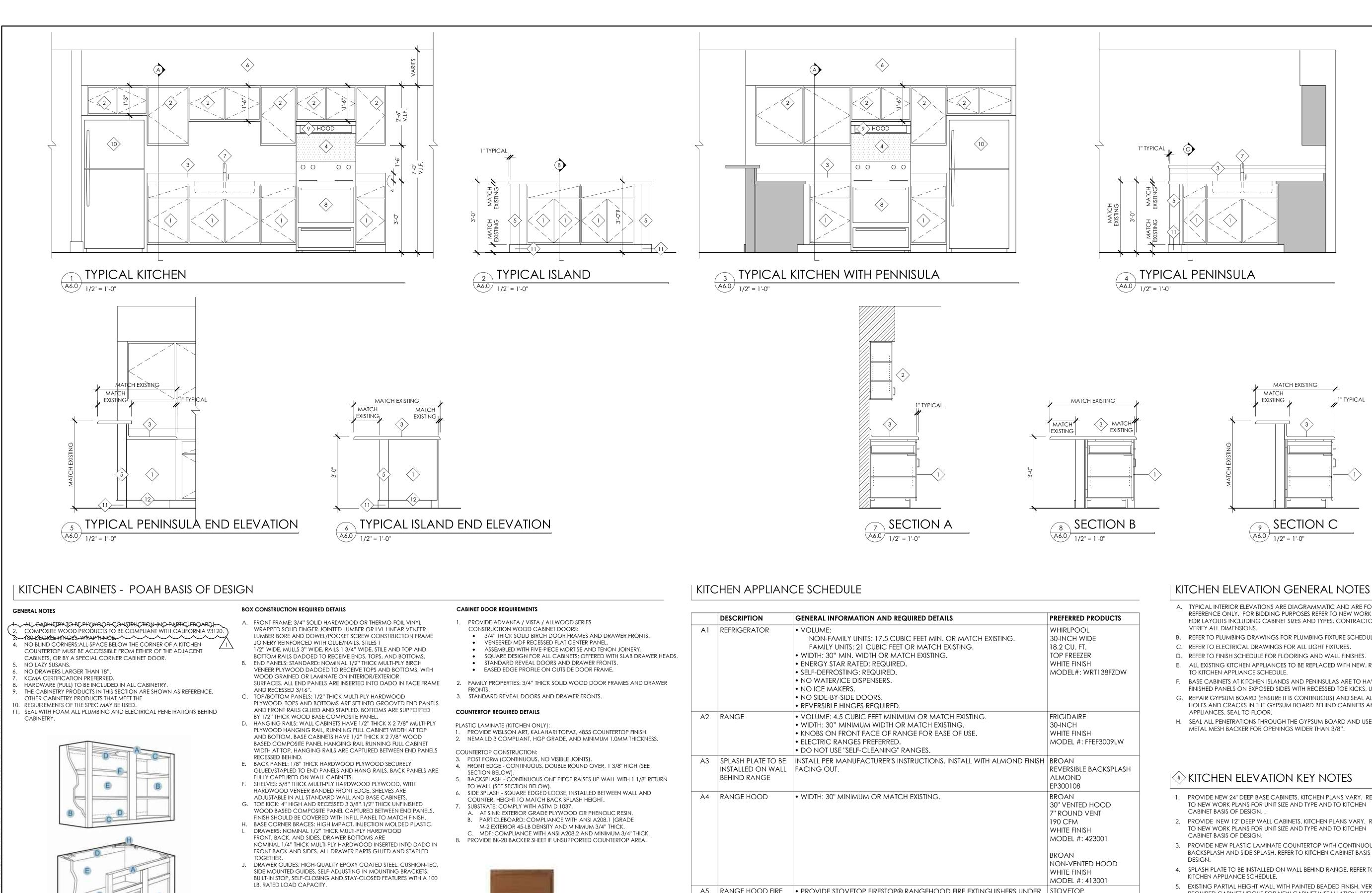
P20 - R EXTERIOR METAL PAINT (HANDRAILS)

- P20 S EXTERIOR METAL PAINT (FENCE)
- P22 Z EXTERIOR PAINT (CONCRETE WALL)

#### **NEW WORK ELEVATION KEYNOTES**

- 1. EXISTING STONE OR CONCRETE STAIR/LANDING TO REMAIN. REPAIR AS REQUIRED.
- 2. REPAIR EXISTING STONE RETAINING WALL.
- 3. REPAIR EXISTING CONCRETE RETAINING WALL.
- 4. EXISTING METAL SECURITY GATE. REMOVE RUST, CLEAN, PAINT AND INSTALL NEW HARDWARE. REFER TO DOOR SCHEDULE.
- 10. PROVIDE NEW USPS APPROVED SURFACE MOUNTED MAILBOXES. MOUNT AT 48" A.F.F. MAXIMUM WITH 4" PROJECTION FROM FACE OF WALL.
- 11. SECURE, CLEAN AND REPAIR EXISTING GUARDS/HANDRAILS. PREP TO RECEIVE NEW FINISH.
- 12. EXISTING FIRE ESCAPE TO REMAIN. REPOINT ALL ATTACHMENTS AND REPAIR ALL DEFICIENCIES. REMOVE RUST AND PROVIDE NEW RUST INHIBITIVE PAINT. G.C. IS RESPONSIBLE FOR FIRE ESCAPE EXAMINATION AND INSPECTION PER CITY OF CINCINNATI - REPAIR WORK TO BE UNDER SEPARATE PERMIT.
- 13. REPAIR EXISTING EXTERIOR STEEL STAIR. PAINT WITH RUST INHIBITIVE PAINT. SEE STRUCTURAL DRAWINGS.
- 14. PROVIDE NEW CAST STONE LINTEL OR SILL TO MATCH EXISTING STONE ELEMENTS. WHERE EXISTING STONE ELEMENTS ARE PAINTED, PAINT NEW STONE ELEMENTS TO MATCH EXISTING. REFER TO STRUCTURAL DRAWINGS.
- 15. PROVIDE NEW GALVANIZED AND PAINTED EXTERIOR 1-1/2" DIAMETER METAL HANDRAIL MOUNTED AT 34" ABOVE TREAD NOSE. WHERE CONDITIONS ALLOW, EXTEND MINIMUM 12" HORIZONTALLY AT TOP TREAD AND EXTEND MINIMUM (1) TREAD DEPTH HORIZONTALLY AT BOTTOM RISER. RETURN HANDRAIL TO WALL WHERE EXISTING CONDITIONS ALLOW, OTHERWISE RETURN TO FLOOR. PROVIDE GUARDS WHERE NOT MOUNTED TO EXTERIOR WALL. PROVIDE SHOP DRAWINGS.
- 16. PROVIDE NEW PREFINISHED ALUMINUM DOWNSPOUT TO REPLACE EXISTING. COLOR T.B.D. BY ARCHITECT.
- 17. CONNECT NEW DOWNSPOUT TO EXISTING CAST IRON DOWNSPOUT BOOT. REMOVE RUST. PAINT.
- 18. PROVIDE NEW PVC DOWNSPOUT BOOT. CONNECT TO NEW DOWNSPOUT AND PAINT.
- 19. EXISTING PARGED MASONRY TO REMAIN. REMOVE LOOSE MATERIAL, REPAIR CRACKS, PATCH, AND CLEAN.
- 20. PROVIDE NEW INDIVIDUAL METAL ADDRESS NUMBERS ON EXTERIOR OF BUILDING. 21. PROVIDE NEW SMOOTH PARGED SURFACE AND PAINT.
- 22. WINDOW SASH LOCATED WITHIN 3'-0" OF AN EXHAUST VENT TO BE PERMANENTLY FIXED IN PLACE.
- 23. REPAIR EXISTING LIMESTONE. REFER TO STRUCTURAL DRAWINGS.
- 24. REPAIR EXISTING STONE. REFER TO STRUCTURAL DRAWINGS.
- 25. PROVIDE "STAR" ANCHOR PLATE FOR ADDITIONAL STRUCTURAL SUPPORT. PAINT TO MATCH WALL COLOR. REFER TO STRUCTURAL DRAWINGS.
- 26. INSTALL AND PAINT NEW FIBER CEMENT BOARD AND TRIM. INSTALL PER MANUFACTURER'S SPECIFICATIONS AND DETAILS.
- 27. PROVIDE NEW PREFINISHED EXTERIOR FIBER CEMENT BOARD SIDING WITH 6" EXPOSURE. INSTALL PER MANUFACTURER'S SPECIFICATIONS AND DETAILS.
- 28. RELOCATED STREET ADDRESS PLAQUE. PATCH AND REPAIR LINTEL IN ORIGINAL LOCATION.
- 30. LOCATION OF NEW AC CONDENSING UNIT. REFER TO MECHANICAL DRAWINGS.
- 31. PROVIDE NEW PLASTIC EXHAUST VENT COVER(S)
- 32. PROVIDE NEW EXTERIOR LIGHT FIXTURE IN EXISTING LOCATION, MAX. 4" PROJECTION FROM FACE OF WALL OR MOUNT AT 80" A.F.F. MIN. REFER TO ELECTRICAL DRAWINGS.
- 33. PROVIDE NEW INTERCOM SYSTEM WITH CONTROLS AT 48" ABOVE GRADE, TO BE DETERMINED AND COORDINATED BY CONTRACTOR/OWNER. REFER TO ELECTRICAL DRAWINGS.
- 34. PROVIDE NEW EXTERIOR LIGHT FIXTURE, MAX. 4" PROJECTION FROM FACE OF WALL OR MOUNT AT 80" A.F.F. MIN. REFER TO ELECTRICAL DRAWINGS.
- 40. NEW ROOFING. REFER TO ROOF PLAN.
- 41. PROVIDE NEW RAKE BOARD WRAPPED IN PRE-FINISHED ALUMINUM BREAK METAL. COLOR T.B.D. BY ARCHITECT. PROVIDE PRE-FINISHED ALUMINUM DRIP EDGE.
- 42. PROVIDE NEW K-STYLE 6" PREFINISHED ALUMINUM GUTTER TO REPLACE EXISTING. PROVIDE NEW 1x WOOD GUTTER BOARD WRAPPED IN PRE-FINISHED ALUMINUM BREAK METAL. COLOR T.B.D. BY ARCHITECT. PROVIDE PRE-FINISHED ALUMINUM DRIP EDGE.
- 43. EXISTING WOOD BOX GUTTER TO REMAIN. REPAIR AS REQUIRED AND PAINT. PROVIDE NEW FORMED METAL GUTTER LINER. REFER TO DIAGRAM DETAIL.
- 44. EXISTING DECORATIVE CORNICE TO REMAIN. REPAIR DAMAGED OR DETERIORATED ELEMENTS. REPLACE ANY MISSING ELEMENTS TO MATCH EXISTING AS REQUIRED AND PAINT. PROVIDE NEW BOX GUTTER LINER. PROVIDE NEW METAL COPING WHERE THERE IS NO BOX GUTTER AND AT THE TOP OF WOOD ELEMENTS. COLOR T.B.D. BY ARCHITECT.
- 45. EXISTING MASONRY CHIMNEY TO REMAIN. REPAIR MASONRY AS REQUIRED.
- 46. PROVIDE NEW GUARDRAIL AT NEW MECHANICAL UNIT. SEE ROOF PLANS FOR LOCATION AND ADDITIONAL INFORMATION.
- 47. PROVIDE NEW RESIDENTIAL CONDENSING UNIT ON ROOF. PROVIDE ROOF STRUCTURE REINFORCEMENT AS NOTED ON STRUCTURAL DRAWINGS. REFER TO MECHANICAL DRAWINGS AND STRUCTURAL DRAWINGS.
- 48. EXISTING 1ST FLOOR COMMERCIAL SPACE MECHANICAL EQUIPMENT TO REMAIN IN EXISTING LOCATION. VERIFY LOCATION.











CABINET DOOR: ADVANTA / CABINET PULLS: AMEROCK VISTA / ALLWOOD SERIES

BOX CONSTRUCTION DIAGRAM (NOT TO SCALE)

COUNTERTOP SECTION DETAIL (NOT TO SCALE)

WILSONART, KALAHARI TOPAZ #4588

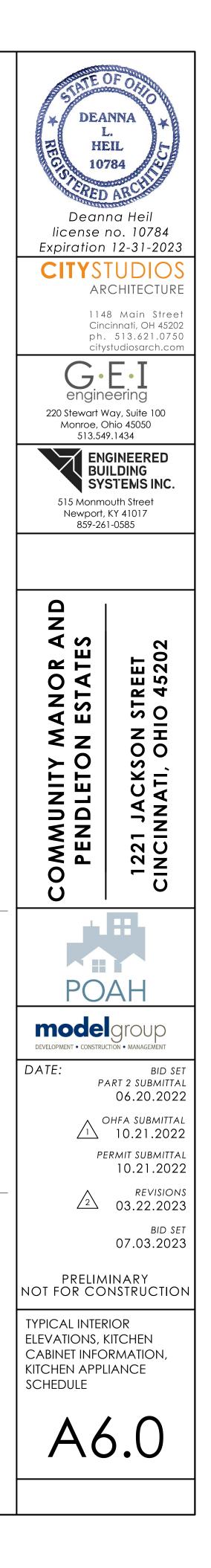
|                                                            |    | DESCRIPTION                                             | GENERAL INFORMATION AND REQUIRED DETAILS                                                                                                                                                                                                                                                                                                                                                                | PREFERRED PRODUCTS                                                                                                                                     |
|------------------------------------------------------------|----|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| r Fronts.<br>Dinery.<br>Lab drawer heads.<br>Es and drawer | Al | REFRIGERATOR                                            | <ul> <li>VOLUME:<br/>NON-FAMILY UNITS: 17.5 CUBIC FEET MIN. OR MATCH EXISTING.<br/>FAMILY UNITS: 21 CUBIC FEET OR MATCH EXISTING.</li> <li>WIDTH: 30" MIN. WIDTH OR MATCH EXISTING.</li> <li>ENERGY STAR RATED: REQUIRED.</li> <li>SELF-DEFROSTING: REQUIRED.</li> <li>NO WATER/ICE DISPENSERS.</li> <li>NO ICE MAKERS.</li> <li>NO SIDE-BY-SIDE DOORS.</li> <li>REVERSIBLE HINGES REQUIRED.</li> </ul> | WHIRLPOOL<br>30-INCH WIDE<br>18.2 CU. FT.<br>TOP FREEZER<br>WHITE FINISH<br>MODEL#: WRT138FZDW                                                         |
| dp finish.<br>M Thickness.                                 | A2 | RANGE                                                   | <ul> <li>VOLUME: 4.5 CUBIC FEET MINIMUM OR MATCH EXISTING.</li> <li>WIDTH: 30" MINIMUM WIDTH OR MATCH EXISTING.</li> <li>KNOBS ON FRONT FACE OF RANGE FOR EASE OF USE.</li> <li>ELECTRIC RANGES PREFERRED.</li> <li>DO NOT USE "SELF-CLEANING" RANGES.</li> </ul>                                                                                                                                       | FRIGIDAIRE<br>30-INCH<br>WHITE FINISH<br>MODEL #: FFEF3009LW                                                                                           |
| High (See<br>Th 1 1/8" Return                              | A3 | SPLASH PLATE TO BE<br>INSTALLED ON WALL<br>BEHIND RANGE | INSTALL PER MANUFACTURER'S INSTRUCTIONS. INSTALL WITH ALMOND FINISH<br>FACING OUT.                                                                                                                                                                                                                                                                                                                      | BROAN<br>REVERSIBLE BACKSPLASH<br>ALMOND<br>EP300108                                                                                                   |
| WALL AND<br>SIN.<br>ADE<br>/4" THICK.<br>DP AREA.          | A4 | RANGE HOOD                                              | • WIDTH: 30" MINIMUM OR MATCH EXISTING.                                                                                                                                                                                                                                                                                                                                                                 | BROAN<br>30" VENTED HOOD<br>7" ROUND VENT<br>190 CFM<br>WHITE FINISH<br>MODEL #: 423001<br>BROAN<br>NON-VENTED HOOD<br>WHITE FINISH<br>MODEL #: 413001 |
|                                                            | A5 | RANGE HOOD FIRE<br>EXTINGUISHERS<br>(MANDATORY)         | <ul> <li>PROVIDE STOVETOP FIRESTOP® RANGEHOOD FIRE EXTINGUISHERS UNDER<br/>EACH RANGE HOOD.</li> <li>EXTINGUISHERS MUST FIT WITHIN THE DEPTH OF RANGEHOOD WITHOUT<br/>BEING NOTICEABLY VISIBLE.</li> </ul>                                                                                                                                                                                              | STOVETOP<br>FIRESTOP RANGEHOOD<br>HEIGHT: 3.5"<br>DIAMETER: 3.4"<br>MODEL#: 675-3                                                                      |



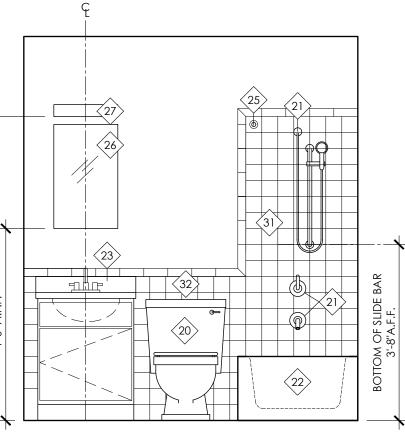
ALLISON CURVED 96MM PULL SATIN NICKEL, BP53003G10

- A. TYPICAL INTERIOR ELEVATIONS ARE DIAGRAMMATIC AND ARE FOR REFERENCE ONLY. FOR BIDDING PURPOSES REFER TO NEW WORK PLANS FOR LAYOUTS INCLUDING CABINET SIZES AND TYPES. CONTRACTOR TO
- B. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULE.
- E. ALL EXISTING KITCHEN APPLIANCES TO BE REPLACED WITH NEW. REFER
- F. BASE CABINETS AT KITCHEN ISLANDS AND PENINSULAS ARE TO HAVE FINISHED PANELS ON EXPOSED SIDES WITH RECESSED TOE KICKS, U.N.O. G. REPAIR GYPSUM BOARD (ENSURE IT IS CONTINUOUS) AND SEAL ALL HOLES AND CRACKS IN THE GYPSUM BOARD BEHIND CABINETS AND
- H. SEAL ALL PENETRATIONS THROUGH THE GYPSUM BOARD AND USE A

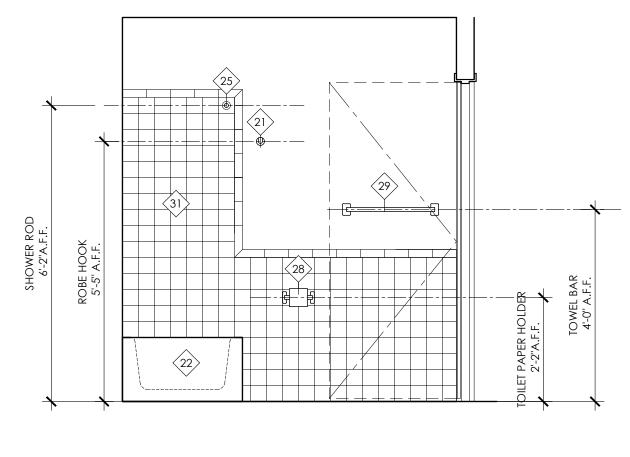
- 1. PROVIDE NEW 24" DEEP BASE CABINETS. KITCHEN PLANS VARY. REFER TO NEW WORK PLANS FOR UNIT SIZE AND TYPE AND TO KITCHEN
- 2. PROVIDE NEW 12" DEEP WALL CABINETS. KITCHEN PLANS VARY. REFER TO NEW WORK PLANS FOR UNIT SIZE AND TYPE AND TO KITCHEN
- 3. PROVIDE NEW PLASTIC LAMINATE COUNTERTOP WITH CONTINUOUS BACKSPLASH AND SIDE SPLASH. REFER TO KITCHEN CABINET BASIS OF
- 4. SPLASH PLATE TO BE INSTALLED ON WALL BEHIND RANGE. REFER TO
- 5. EXISTING PARTIAL HEIGHT WALL WITH PAINTED BEADED FINISH. VERIFY REQUIRED CABINET HEIGHT FOR NEW CABINET INSTALLATION. REFER TO FINISH SCHEDULE.
- 6. PAINT EXISTING GYPSUM BOARD SOFFIT. REFER TO FINISH SCHEDULE. 7. PROVIDE NEW KITCHEN SINK AND FAUCET. REFER TO PLUMBING DRAWINGS.
- 8. PROVIDE NEW ELECTRIC RANGE. REFER TO APPLIANCE SCHEDULE. 9. PROVIDE NEW RECIRCULATING HOOD OVER RANGE WTIH MANDATORY FIRE EXTINGUISHER BELOW HOOD. REFER TO APPLIANCE SCHEDULE.
- 10. PROVIDE NEW REFRIGERATOR. REFER TO APPLIANCE SCHEDULE.
- 11. PAINT WOOD BASE TO MATCH EXISTING IN UNIT.
- 12. RECESSED TOE KICK AT END OF EXPOSED CABINET.



VANIT A.F.F. OF \ 6'-4"







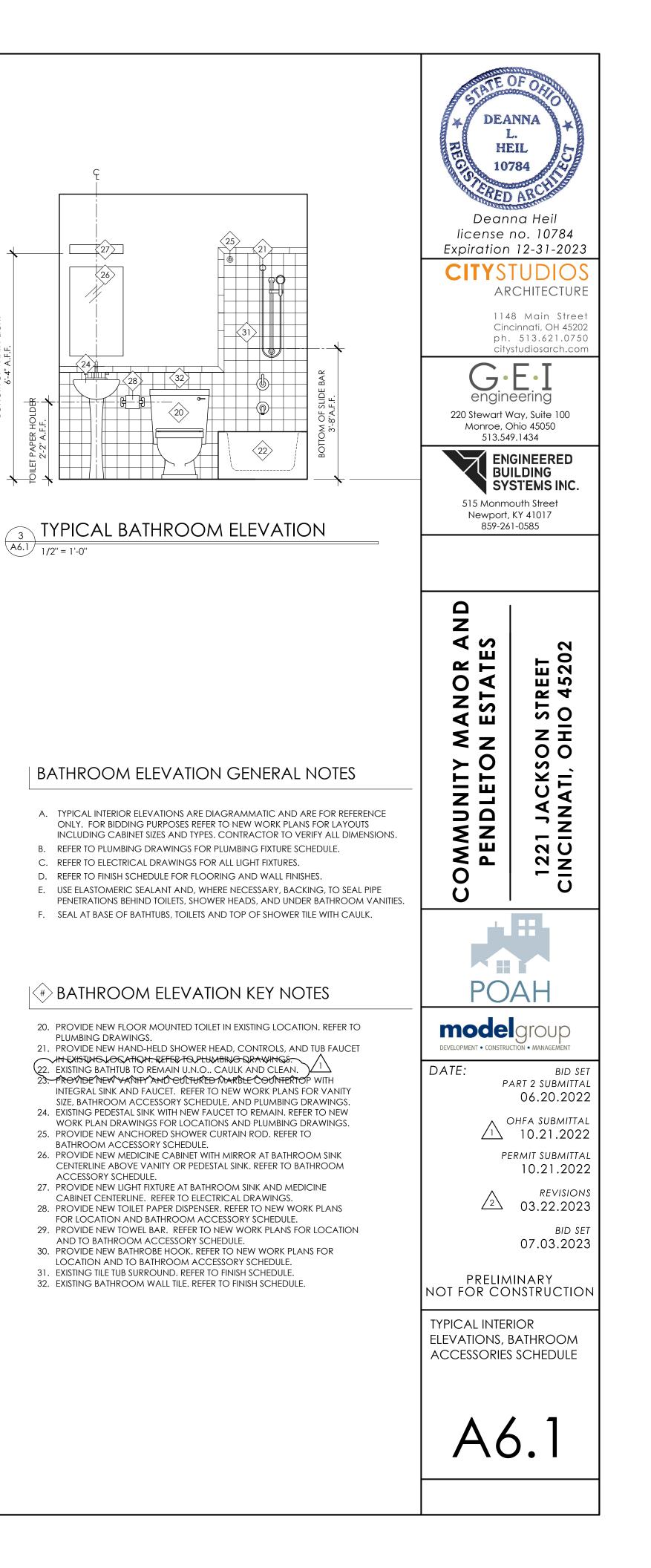
VANIT A.F.F.

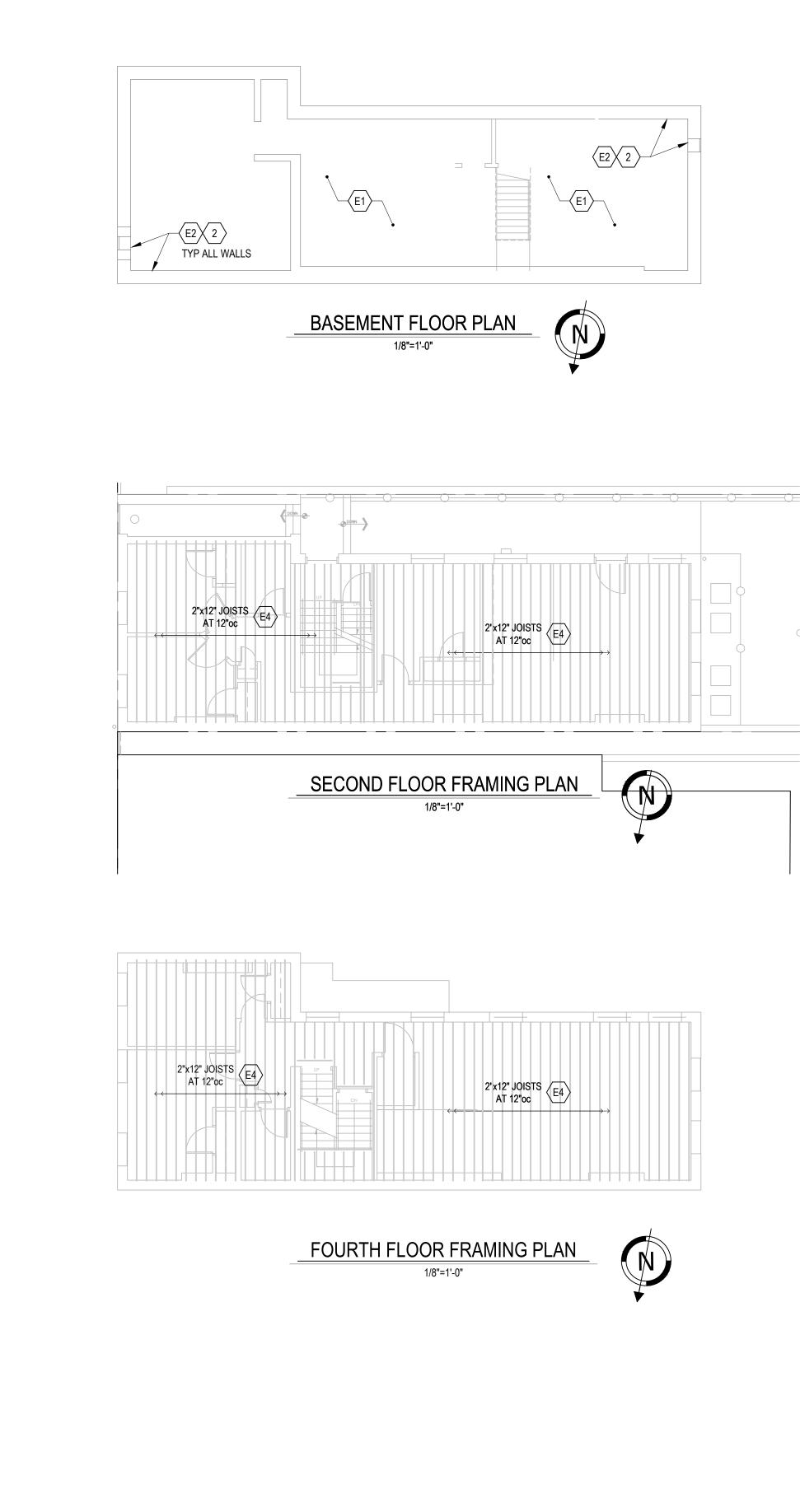
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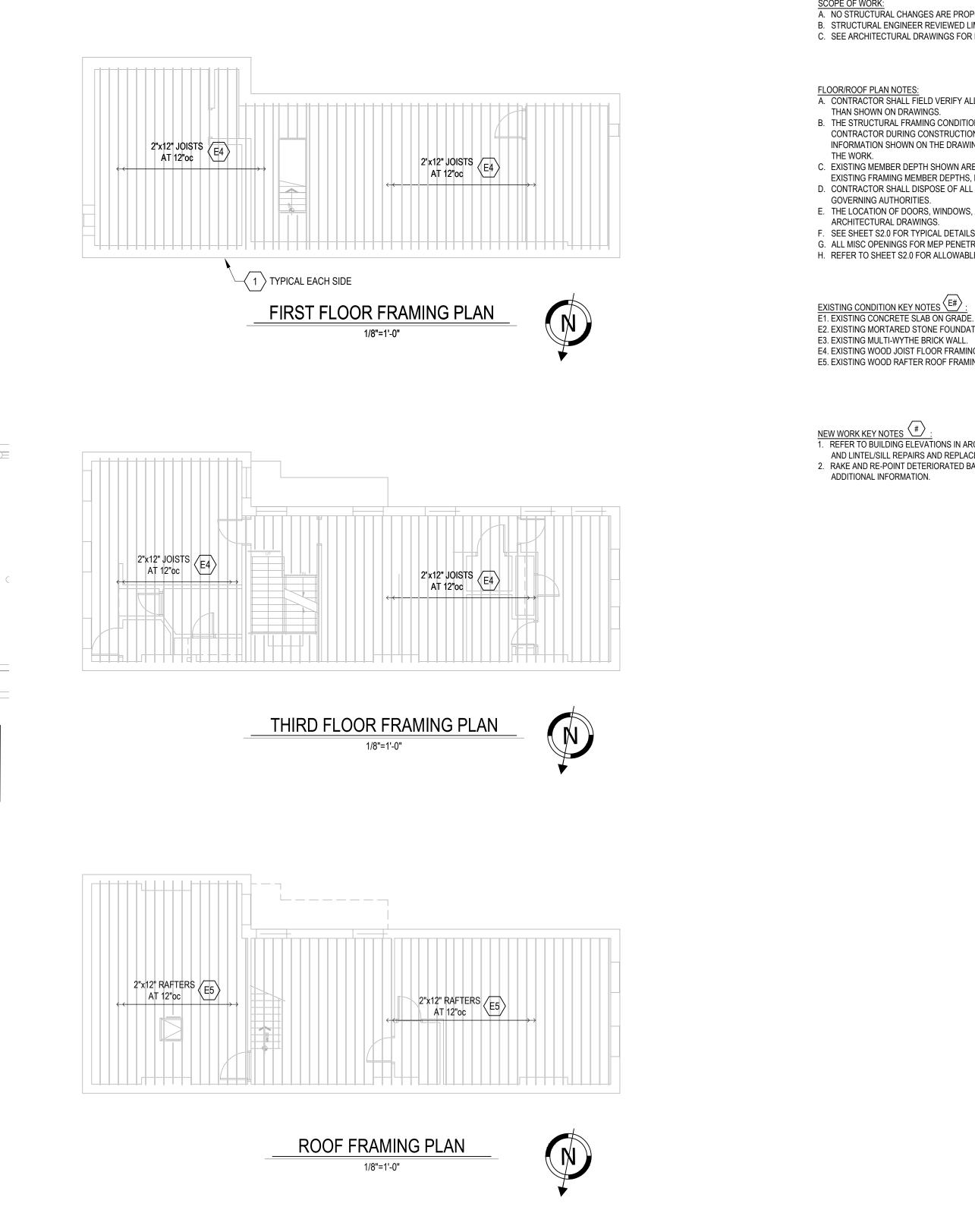
## 2 A6.1 TYPICAL BATHROOM ELEVATION

## BATHROOM ACCESSORIES SCHEDULE

|    | DESCRIPTION                                                     | NOTES                                                                                                                                                                                                                                                                                                                                                                                                                | PRODUCT INFORMATION /                                                                                                   |
|----|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                      | BASIS OF DESIGN                                                                                                         |
| B1 | BATHROOM VANITY<br>(18''W x 32''H x 16''D) AND INTEGRAL<br>SINK | REPLACE EXISTING PEDESTAL SINK WITH NEW VANITY AND INTEGRAL<br>SINK AS NOTED ON NEW WORK PLAN DRAWINGS. CONTRACTOR TO<br>VERIFY VANITY DIMENISIONS AND SINK CENTERLINE IN FIELD. INSTALL<br>VANITY FLUSH TO PERPENDICULAR WALL TO AVOID GAP INBETWEEN<br>VANITY AND PERPENDICULAR WALL WHERE POSSIBLE. CONTRACTOR<br>ALSO TO VERIFY THAT VANITY DOES NOT BLOCK AN EXISTING HVAC<br>VENT. REFER TO PLUMBING DRAWINGS. | SUPPLIER: HD SUPPLY<br>Seasons®<br>18"W x 32"H x 16"D WHITE<br>VANITY WITH TOP<br>MODEL NUMBER: 283580                  |
| B2 | BATHROOM VANITY<br>(24"W x 32"H x 18"D) AND INTEGRAL<br>SINK    | REPLACE EXISTING PEDESTAL SINK WITH NEW VANITY AND INTEGRAL<br>SINK AS NOTED ON NEW WORK PLAN DRAWINGS. CONTRACTOR TO<br>VERIFY VANITY DIMENISIONS AND SINK CENTERLINE IN FIELD. INSTALL<br>VANITY FLUSH TO PERPENDICULAR WALL TO AVOID GAP INBETWEEN<br>VANITY AND PERPENDICULAR WALL WHERE POSSIBLE. CONTRACTOR<br>ALSO TO VERIFY THAT VANITY DOES NOT BLOCK AN EXISTING HVAC<br>VENT. REFER TO PLUMBING DRAWINGS. | SUPPLIER: HD SUPPLY<br>Seasons®<br>24"W x 32"H x 18"D WHITE<br>VANITY WITH TOP<br>MODEL NUMBER: 283581                  |
| Β3 | BATHROOM VANITY<br>(36''W x 32''H x 21''D)AND INTEGRAL<br>SINK  | REPLACE EXISTING PEDESTAL SINK WITH NEW VANITY AND INTEGRAL<br>SINK AS NOTED ON NEW WORK PLAN DRAWINGS. CONTRACTOR TO<br>VERIFY VANITY DIMENISIONS AND SINK CENTERLINE IN FIELD. INSTALL<br>VANITY FLUSH TO PERPENDICULAR WALL TO AVOID GAP INBETWEEN<br>VANITY AND PERPENDICULAR WALL WHERE POSSIBLE. CONTRACTOR<br>ALSO TO VERIFY THAT VANITY DOES NOT BLOCK AN EXISTING HVAC<br>VENT. REFER TO PLUMBING DRAWINGS. | SUPPLIER: HD SUPPLY<br>RSI HOME PRODUCTS<br>36''W x 32''H x 21''D WHITE<br>VANITY WITH TOP<br>MODEL NUMBER: 412173      |
| B4 | SURFACE MOUNTED MEDICINE<br>CABINET                             | REPLACE EXISTING MEDICINE CABINET WITH NEW. PATCH AND REPAIR<br>DAMAGED GYPSUM BOARD AS REQUIRED. INSTALL PER<br>MANUFACTURER'S INSTRUCTIONS. INSTALL ON WOOD STUD OR ADD<br>BLOCKING.                                                                                                                                                                                                                               | HD SUPPLY. 16W X 26'H<br>SURFACE MOUNT MIRROR<br>MEDICINE CABINET STEEL<br>BODY, METAL SHELVES,<br>MODEL NUMBER: 404469 |
| В5 | TOILET TISSUE HOLDERS                                           | REPLACE EXISTING TOILET TISSUE HOLDER WITH NEW. PATCH DAMAGED<br>TILE. INSTALL NEW TOILET TISSUE HOLDER AS INDICATED ON NEW WORK<br>PLAN DRAWINGS ON WOOD STUD OR ADD BLOCKING.                                                                                                                                                                                                                                      | FRANKLIN BRASS. STAINLESS<br>STEEL TOILET PAPER HOLDER<br>CONCEALED MOUNT.                                              |
| B6 | TOWEL BAR 18"                                                   | PROVIDE NEW TOWEL BAR AS NOTED ON NEW WORK PLAN DRAWINGS.<br>PATCH EXISTING DAMAGED TILE OR GYPSUM BOARD AS REQUIRED.<br>INSTALL NEW TOWEL BAR PER MANUFACTURER'S INSTRUCTIONS. INSTALL<br>ON WOOD STUD OR ADD BLOCKING.                                                                                                                                                                                             | MODEL NUMBER: 819400<br>FRANKLIN BRASS - FUTURA 3/4<br>X 18" CHROME TOWEL BAR<br>SET.<br>MODEL NUMBER: 818725           |
| B7 | TOWEL BAR 24"                                                   | PROVIDE NEW TOWEL BAR AS NOTED ON NEW WORK PLAN DRAWINGS.<br>PATCH EXISTING DAMAGED TILE OR GYPSUM BOARD AS REQUIRED.<br>INSTALL NEW TOWEL BAR PER MANUFACTURER'S INSTRUCTIONS. INSTALL<br>ON WOOD STUD OR ADD BLOCKING.                                                                                                                                                                                             | FRANKLIN BRASS - FUTURA 3/4<br>X 24" CHROME TOWEL BAR<br>SET.<br>MODEL NUMBER: 818740                                   |
| B8 | SHOWER CURTAIN ROD                                              | REPLACE EXISTING SHOWER CURTAIN ROD WITH NEW. CONTRACTOR<br>TO VERIFY DIMENSIONS IN FIELD AND PROVIDE CORRECT SHOWER ROD<br>LENGTH. PATCH AND REPAIR DAMAGED WALL TILE OR GYPSUM BOARD<br>AS REQUIRED. INSTALL SHOWER ROD PER MANUFACTURER'S<br>INSTRUCTIONS. INSTALL ON WOOD STUD OR ADD BLOCKING.                                                                                                                  | HD SUPPLY. 60" CHROME<br>SHOWER ROD SET.<br>MODEL NUMBER: 822450                                                        |
| B9 | ROBE HOOK                                                       | PROVIDE NEW ROBE HOOK AS NOTED ON NEW WORK PLANS. INSTALL<br>PER MANUFACTURER'S INSTRUCTIONS. INSTALL ON WOOD STUD OR USE<br>APPROPRIATE ANCHORS TO SUPPORT WEIGHT.<br>WALL.                                                                                                                                                                                                                                         | SYMMONS, DIA CHROME<br>ROBE HOOK<br>MODEL NUMBER: 459079                                                                |







SCOPE OF WORK: A. NO STRUCTURAL CHANGES ARE PROPOSED. REPOINT DETERIORATED BASEMENT WALL MORTAR JOINTS. B. STRUCTURAL ENGINEER REVIEWED LIMITED AREAS OF THE BUILDING WHERE STRUCTURE WAS VISIBLE. C. SEE ARCHITECTURAL DRAWINGS FOR EXTERIOR MASONRY AND LINTEL/SILL REPAIR AND REPLACEMENT.

A. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. NOTIFY ENGINEER IF DIMENSIONS ARE DIFFERENT THAN SHOWN ON DRAWINGS.

B. THE STRUCTURAL FRAMING CONDITION OF STRUCTURAL ELEMENTS SHALL BE REVIEWED IF EXPOSED BY CONTRACTOR DURING CONSTRUCTION. IF THE CONDITION OF STRUCTURAL ELEMENTS VARIES FROM INFORMATION SHOWN ON THE DRAWINGS, NOTIFY THE ENGINEER FOR DIRECTION PRIOR TO PERFORMING

C. EXISTING MEMBER DEPTH SHOWN ARE APPROXIMATE. IF NEW FRAMING MEMBER DEPTHS SHOWN EXCEED EXISTING FRAMING MEMBER DEPTHS, NOTIFY ENGINEER FOR REVIEW PRIOR TO INSTALLING NEW FRAMING. D. CONTRACTOR SHALL DISPOSE OF ALL CONSTRUCTION DEBRIS PER THE APPLICABLE REGULATION AND GOVERNING AUTHORITIES.

E. THE LOCATION OF DOORS, WINDOWS, AND FLOOR OPENINGS ARE APPROXIMATE. COORDINATE WITH ARCHITECTURAL DRAWINGS. F. SEE SHEET S2.0 FOR TYPICAL DETAILS, SCHEDULES, AND GENERAL NOTES.

G. ALL MISC OPENINGS FOR MEP PENETRATIONS ARE NOT SHOWN. COORDINATE AS REQUIRED. H. REFER TO SHEET S2.0 FOR ALLOWABLE SIZE AND LOCATION OF OPENINGS IN JOISTS.

EXISTING CONDITION KEY NOTES

E2. EXISTING MORTARED STONE FOUNDATION.

E3. EXISTING MULTI-WYTHE BRICK WALL.

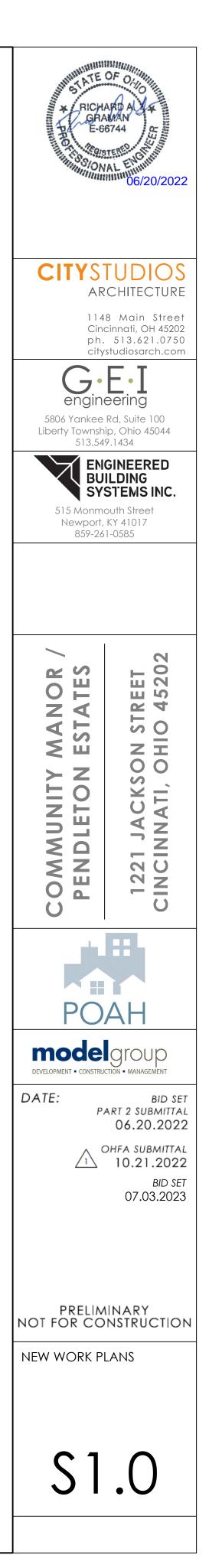
E4. EXISTING WOOD JOIST FLOOR FRAMING. NOTIFY ENGINEER IF FRAMING IS NOT AS SHOWN. E5. EXISTING WOOD RAFTER ROOF FRAMING. NOTIFY ENGINEER IF FRAMING IS NOT AS SHOWN.

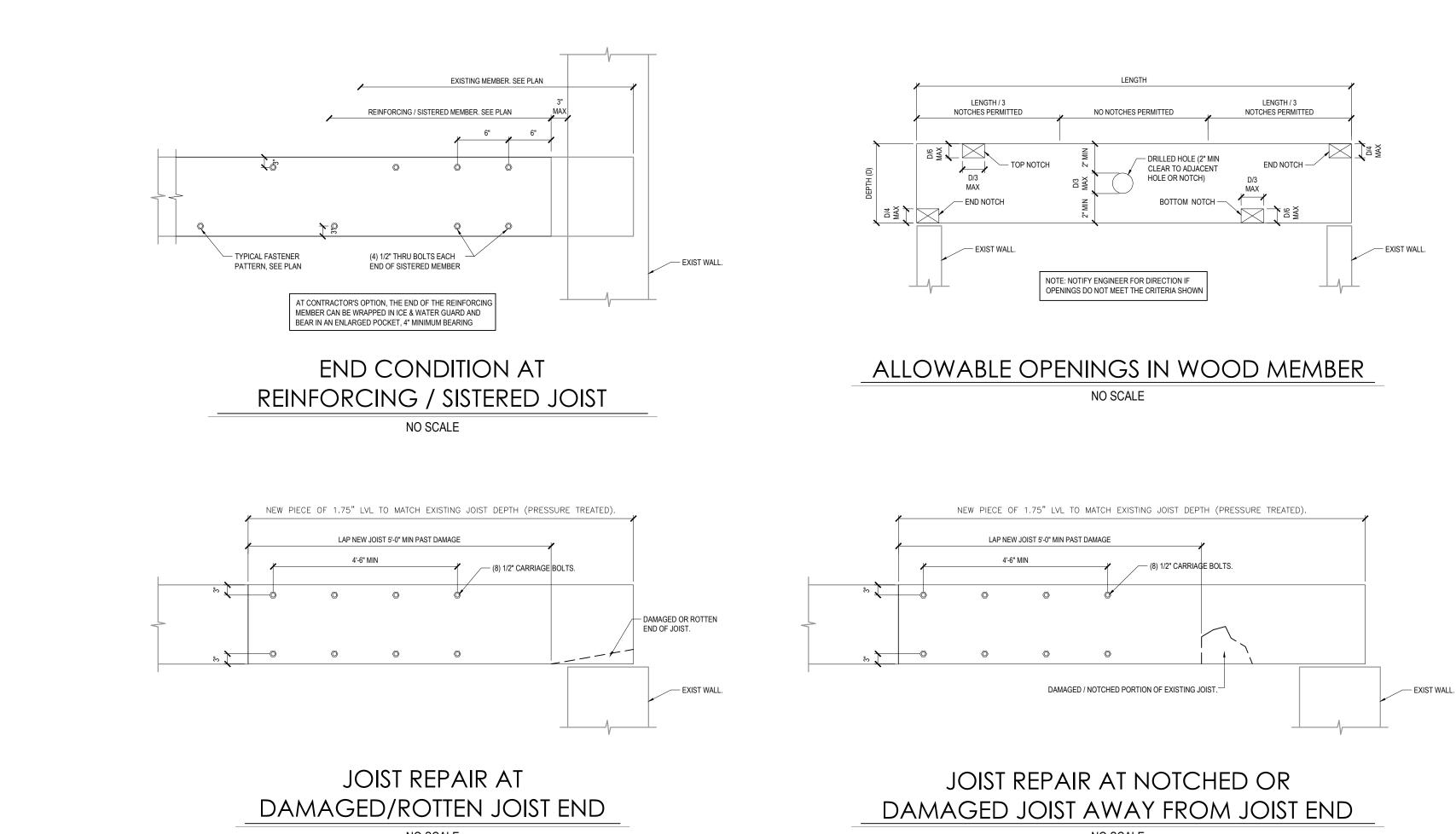
1. REFER TO BUILDING ELEVATIONS IN ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EXTERIOR MASONRY AND LINTEL/SILL REPAIRS AND REPLACEMENT. 2. RAKE AND RE-POINT DETERIORATED BASEMENT WALL MORTAR JOINTS. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.

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NO SCALE

NO SCALE

## **GENERAL STRUCTURAL NOTES**

#### <u>GENERAL</u>

- A. CONTRACTOR IS RESPONSIBLE FOR MEAN AND METHODS OF CONSTRUCTION. THESE DRAWINGS SHOW THE FINAL INSTALLED WORK ONLY, AND DO NOT ADDRESS THE SEQUENCE OR TECHNIQUES TO
- PERFORM THE WORK. B. CONTRACTOR IS RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING BUT NOT LIMITED TO JOB SITE SAFETY FOR THE ENTIRE DURATION OF THE PROJECT.
- C. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. SHOULD ANY DISCREPANCY BE FOUND, CONTRACTOR SHALL NOTIFY
- ARCHITECT/ENGINEER IMMEDIATELY OF THE CONDITION. D. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE
- DESIGNED UNIT.
- E. IF ANY CONDITION IS FOUND IN THE FIELD THAT IS NOT ADDRESSED ON THESE CONSTRUCTION DOCUMENTS, NOTIFY THE ENGINEERING FOR DIRECTION.

DESIGN LOADS

- A. GOVERNING CODE IS THE 2017 OHIO BUILDING CODE B. PER CLIENT'S REQUEST, THE FOUNDATION DESIGN AND GENERAL FOUNDATION NOTES ARE BASED ON THE ASSUMPTION OF FAVORABLE SOIL CONDITIONS. IF FOUNDATION WORK IS REQUIRED, THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY DESIGN ASSUMPTIONS PRIOR TO FOUNDATION INSTALLATION. THE COST FOR THE GEOTECHNICAL ENGINEER SHALL BE LISTED AS A SEPARATE ITEM ON THE CONTRACTOR'S BID. THE CONTRACTOR SHALL SUBMIT COPIES OF THE GEOTECHNICAL ENGINEER'S REPORT TO GEI ENGINEERING. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 1,500 PSF.
- C. RESIDENTIAL FLOOR LOAD: LIVE LOAD = 40 PSF, DEAD LOAD = 10 PSF.
- D. ROOF LOAD: LIVE LOAD = 20 PSF (MIN), DEAD LOAD = 20 PSF.
- E. ROOFTOP MEP UNITS: MINI-SPLIT = 150# (MAX), CONDENSER = 300# (MAX) F. HANDRAIL TOP RAIL LIVE LOAD: 200# POINT LOAD IN ANY DIRECTION OR 50 PLF IN ANY DIRECTION.
- G. SNOW LOAD: GROUND SNOW LOAD ), Pg = 20 PSF, SNOW LOAD, Pf = 20 PSF, SNOW IMPORTANCE FACTOR = 1.0, EXPOSURE FACTOR, Cs = 1.0, THERMAL FACTOR, Ct = 1.0, DRIFTED SNOW LOAD PER ASCE 7
- H. WIND LOAD: BASIC WIND SPEED = V ult = 115 MPH, WIND IMPORTANCE FACTOR = 1.0, WIND EXPOSURE B, INTERNAL PRESSURE COEFFICIENT = +/-0.18, COMPONENTS AND CLADDING: 19 PSF WALLS, -15 PSF ROOF
- I. DEFLECTION OF STRUCTURAL MEMBERS OF SPAN, L, SHALL NOT EXCEED LIMITS PERMITTED BY TABLE 1604.3

#### CONCRETE

- A. CONCRETE WORK SHALL COMPLY WITH ACI 351, LATEST EDITION. B. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW FOR EACH TYPE OF CONCRETE. SUBMITTAL SHALL INCLUDE QUANTITY OF EACH MATERIAL USED AND CONCRETE STRENGTH
- DATA BASED ON FIELD TESTING OR THREE POINT CURVE CALCULATIONS. C. INTERIOR CONCRETE: fc = 3500 PSI, NORMAL WEIGHT AGGREGATE, MAXIMUM W/C RATIO = 0.50.
- D. EXTERIOR CONCRETE: fc = 4000 PSI, ENTRAINED AIR 6.0% +/- 1.5%, NORMAL
- WEIGHT AGGREGATE, MAXIMUM W/C RATIO = 0.45. E. REINFORCING STEEL: DEFORMED BARS, 60 KSI YIELD, AND MEET ASTM
- A615, A996, OR ASTM A706, WELDED WIRE FABRIC F. WATER REDUCING ADMIXTURE: MEET ASTM C494
- G. WATER OR MOISTURE BARRIER: REFER TO ARCHITECTURAL DRAWINGS
- FOR EXTENT, PLACE BARRIER ON TOP OF GRANULAR SUBBASE H. COORDINATE CONTROL JOINT LOCATIONS WITH FLOOR FINISHES

#### WOOD

- A. 2x HEADER MEMBERS: SOUTHERN PINE KILN DRIED, NO. 2 GRADE OR BETTER
- B. 2x WALL FRAMING MEMBERS: SOUTHERN PINE KILN DRIED, STUD GRADE OR
- BETTER C. ALL WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY BELOW GRADE SHALL BE PRESSURE TREATED NO 2 GRADE OR BETTER SOUTHERN
- PINE TO APPROPRIATE AWPA RATING FOR MEMBER USE. D. ROOF SHEATHING: 19/32" APA RATED EXP. 1, SPAN RATING 40/20 ATTACHED WITH PANEL CLIPS MIDSPAN BETWEEN TRUSSES WITH 10d NAILS AT 6"OC ALONG PANEL EDGES AND 12" OC ALONG INTERIOR SUPPORTS, UNO ON
- DRAWINGS. E. WALL SHEATHING: 7/16" APA RATED EXP. 1, SPAN RATING 24/16 WITH 10d NAILS AT 6"OC ALONG PANEL EDGES AND 12" OC ALONG INTERIOR
- SUPPORTS, UNO ON DRAWINGS. F. FLOOR SHEATHING: 23/32" APA SPAN RATING 48/24 TONGUE & GROOVE SUBFLOOR EXPOSURE 1.

- G. CONNECTIONS SHALL BE PER THE BUILDING CODE TABLE 2354.9.1
- "FASTENING SCHEDULE AS A MINIMUM. H. CONNECTION HARDWARE SHALL BE MANUFACTURED BY SIMPSON STRONG TIE COMPANY AND SHALL BE INSTALLED AS SHOWN IN THE
- MANUFACTURER'S INSTALLATION MANUAL. I. HARDWARE AND FASTENERS IN CONTACT WITH TREATED WOOD SHALL BE G185 (Z-MAX) OR BETTER.
- J. BUILT UP HEADERS AND BEAMS SHALL HAVE ROWS OF 10d NAILS AT 12"OC STAGGERED SIDES WITH ROWS SPACED AT 5"OC MAX. IF MEMBER IS SIDE LOADED, THRU BOLT AT 12"OC STAGGERED TOP AND BOTTOM.
- K. SEE PLAN FOR SHEAR WALL LOCATIONS, NAILING PATTERNS, AND HOLD DOWN ANCHOR SIZE AND LOCATION. L. SILL PLATES FOR PLATFORMS SHALL BE ATTACHED TO CONCRETE SLAB
- WITH POWDER DRIVEN FASTENERS (PAF), SIMPSON MODEL PDP OR EQUAL, MINIMUM 0.145" SHANK WITH 1" MINIMUM EMBEDMENT INTO CONCRETE.

#### MASONRY

- A. MASONRY WORK SHALL COMPLY WITH THE REQUIREMENTS IN ACI 535.1 "SPECIFICATION FOR MASONRY CONSTRUCTION", LATEST EDITION
- B. DETERIORATED OR DISTRESSED BRICK SHALL BE REPLACED WITH OLD OR SALVAGED BRICK. NO NEW BRICK SHALL BE USED. SEE ARCHITECTURAL DRAWINGS FOR KNOWN AREAS OF BRICK TO BE REPAIRED. REVIEW DISTRESSED AREAS OF BRICK NOT SHOWN ON WITH CLIENT PRIOR TO PERFORMING REPAIRS. C. DETERIORATED OR DISTRESSED MORTAR SHALL BE REPLACED. AT
- LOCATIONS WHERE MORTAR IS RECESSED MORE THAN 1" FROM INSIDE FACE OF STONE FOUNDATION AND MORE THAN 1/2" FROM THE FACE OF BRICK WALLS, REMOVE DETERIORATED MORTAR WITH STIFF BRISTLE BRUSH BACK TO SOUND MORTAR. TUCKPOINT OPENING BETWEEN MASONRY WITH NEW MORTAR.
- D. INFILL EXISTING OPENINGS WITH SOLIDLY GROUTED CONCRETE MASONRY UNIT WITH REBAR DOWELS EPOXIED INTO THE EXISTING WALL, SEE TYPICAL DETAIL
- E. ALL MORTAR SHALL BE TYPE 0 TO PREVENT DAMAGE TO OLD AND SALVAGED BRICK.

#### STRUCTURAL STEEL

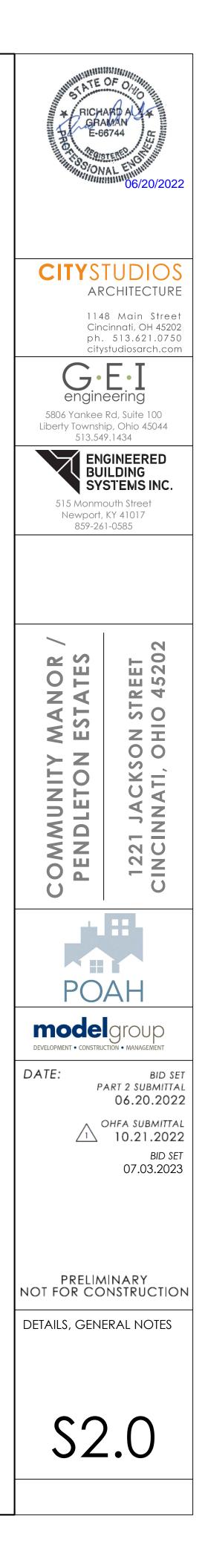
- A. STEEL WORK SHALL COMPLY WITH LATEST EDITION OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AND THE SPECIFICATIONS FOR DESIGN, FABRICATIONS, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS
- B. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1, LATEST EDITION, USING AWS E70XX LOW HYDROGEN ELECTRODES
- C. ANGLE AND PLATE MATERIAL SHALL COMPLY WITH ASTM A36
- D. W-SHAPE MATERIAL SHALL COMPLY WITH ASTM A992, Fy=50 KSI E. HSS MEMBERS SHALL COMPLY WITH ASTM A500, GRADE B, Fy=42 KSI
- F. STEEL WITH EXTERIOR EXPOSURE SHALL BE HOT DIPPED GALVANIZED. ALL OTHER STEEL SHALL HAVE ONE COAT OF SHOP PRIMER.

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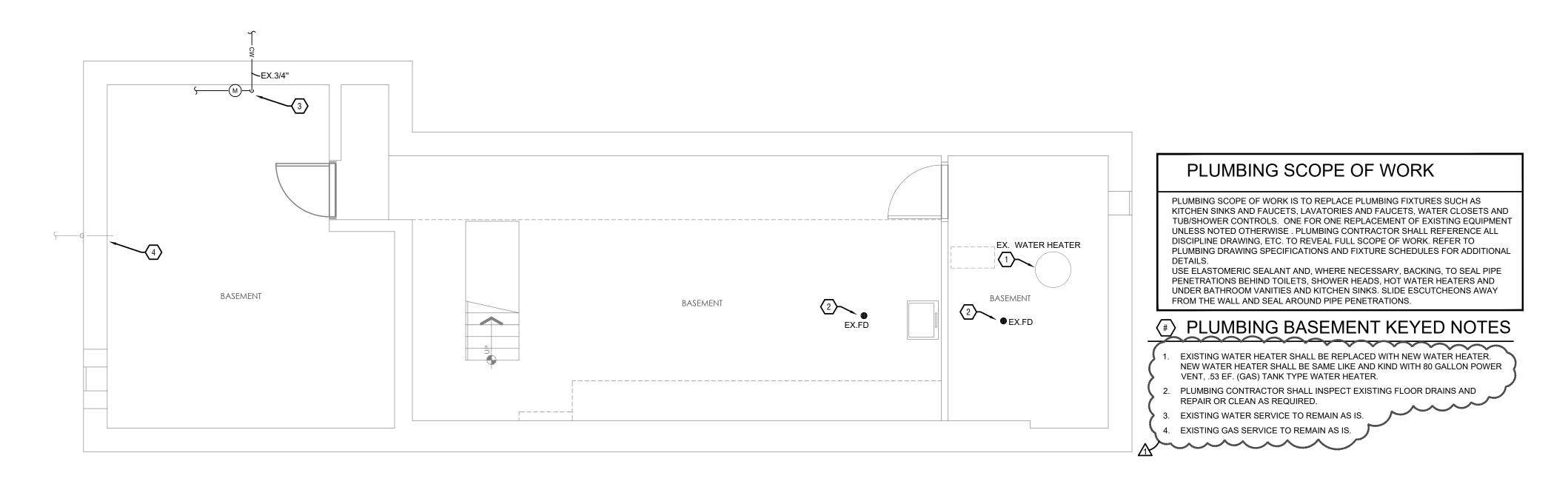
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G. BOLTS SHALL MEET ASTM A325



|                                                                                                                                                                                                                       |                                        |                    |                    | WATER CLOSET SCHEDULE       |                                                                          |                                            |                                                                |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------|--------------------|-----------------------------|--------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------|----------------------------|
| MARK                                                                                                                                                                                                                  | WATER CLOSET DESCRIPTION FIXTURE       | MANUFACTURER       | FIXTURE MODEL #    | MATERIAL MOUNTING C         | CONTROL FLOW RATE SEAT-TYP                                               | E ALTERNATE MANUFACTURERS                  |                                                                |                            |
| /C1                                                                                                                                                                                                                   | FLOOR-SET TANK-TYPE NIAGRA             | N7717 E            | OWL W/ N7714T TANK | CHINA FLOOR MANU            | AL 0.8 CLOSED                                                            | MANSFIELD, AMERICAN STANDARD, KOHLER, ZURN |                                                                |                            |
|                                                                                                                                                                                                                       | 1                                      |                    |                    |                             | MISCELLANEOUS FIXTURE SCHED                                              | DULE                                       |                                                                |                            |
| ARK                                                                                                                                                                                                                   | FIXTURE DESCRIPTION                    | FIXTURE MANUFACTUR | RER FIXTURE MODEL  | FAUCET MANUFACTURER         | FAUCET MODEL                                                             | ALTERNATE FIXTURE MANUFACTURERS            | ALTERNATE FAUCET MANUFACTURER                                  | ADDITIONAL INFORMATION     |
| 3T1                                                                                                                                                                                                                   | BATH TUB FILLER AND SHOWER CONTROLS    | EXISITNG           | EXISTING           | SYMMONS/NIAGRA/HD<br>SUPPLY | NIAGRA N2945CH SHOWER HEAD, SYMM<br>CONTROLS, HD SUPPLT 424800 TUB FILLE | IFLKAY JUST                                | KOHLER, AMERICAN STANDARD,<br>SYMMONS, POWERS, DELTA           | 1.5 GPM                    |
| .V1                                                                                                                                                                                                                   | COUNTERTOP LAVATORY WITH INTEGRAL BOWL | SEE ARCHITECTURAL  | N/A                | AMERICAN STANDARD           | RELIANT 3 7385                                                           | PROFLO, AMERICAN STANDARD, KOHLER,<br>ZURN | AMERICAN STANDARD, KOHLER,<br>CHICAGO FAUCET, T&S, MOEN, DELTA | MANUAL 0.5 GPM             |
| <s1< td=""><td>COUNTERTOP SINK</td><td>MOEN</td><td>G202133</td><td>AMERICAN STANDARD</td><td>415.700.F15.002</td><td>ELKAY, JUST</td><td>CFG, ELKAY, JUST, MOEN, DELTA</td><td>CRUMB CUP STRAINER 1.5 GPM</td></s1<> | COUNTERTOP SINK                        | MOEN               | G202133            | AMERICAN STANDARD           | 415.700.F15.002                                                          | ELKAY, JUST                                | CFG, ELKAY, JUST, MOEN, DELTA                                  | CRUMB CUP STRAINER 1.5 GPM |



#### **DIVISION 22 - PLUMBING**

#### 1. GENERAL PLUMBING REQUIREMENTS

- a. REFER TO ARCHITECTURAL DRAWINGS, GENERAL NOTES AND INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS, SPECIFICATIONS AND DRAWINGS, AND AS-BUILT PLANS, WHICH APPLY IN ALL RESPECTS TO THIS SECTION.
- b. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD MUST APPLY. THE PLUMBING CONTRACTOR MUST SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO OWNER.
- c. THE PLUMBING CONTRACTOR SHALL BE LICENSED BY THE STATE OF OHIO TO INSTALL NEW PLUMBING SYSTEMS.
- d. PROVIDE A COMPLETE AND FULLY OPERATIONAL PLUMBING SYSTEM. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE PLUMBING WORK.
- e. THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT AND PIPING WILL E INSTALLED AND REPORT ANY CONDITION THAT PREVENTS THE PROPER INSTALLATION OF THE PLUMBING WORK PRIOR TO BID. CONTRACTOR MUST ALSO EXAMINE THE DRAWINGS AND SPECIFICATIONS OF OTHER BRANCHES OF WORK, MAKING REFERENCE TO THEM FOR DETAILS OF NEW OR EXISTING BUILDING CONDITIONS. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO INCLUDE ALL REQUIRED WORK IN BID. ALL WORK SHALL BE DONE AT TIMES CONVENIENT TO THE OWNER AND ONLY DURING NORMAL WORKING HOURS, UNLESS SPECIFIED OTHERWISE. PLUMBING CONTRACTOR MUST TAKE THEIR OWN MEASUREMENTS AND BE RESPONSIBLE FOR THEM.
- f. WHERE NOT PROVIDED BY OTHERS, PROCURE AND PAY FOR ALL PERMITS, FEES, TAXES AND INSPECTIONS NECESSARY TO COMPLETE THE PLUMBING WORK. FURNISH CERTIFICATE OF APPROVAL FOR WORK FROM INSPECTION AUTHORITY TO OWNER BEFORE FINAL ACCEPTANCE FOR WORK. CERTIFICATE OF FINAL INSPECTION AND APPROVAL SHALL BE SUBMITTED WITH THE CONTRACTOR'S REQUEST FOR PAYMENT. NO FINAL PAYMENT WILL BE APPROVED WITHOUT THIS CERTIFICATE.
- g. DRAWINGS ARE DIAGRAMMATIC ONLY INTENDING TO SHOW GENERAL RUNS AND LOCATIONS OF EQUIPMENT, FIXTURES, DUCTS, PIPING AND NOT NECESSARILY SHOWING ALL OFFSETS, DETAILS, ACCESSORIES AND EQUIPMENT TO BE CONNECTED.
- h. ALL WORK SHALL BE ACCURATELY LAID-OUT WITH OTHER TRADES, PRIOR TO INSTALLATION & FABRICATION, TO AVOID ALL CONFLICTS AND OBTAIN A NEAT AND WORKMANLIKE INSTALLATION WHICH WILL AFFORD MAXIMUM ACCESSIBILITY FOR EQUIPMENT OPERATION, MAINTENANCE CLEARANCES AND HEADROOM.
- 2. USE OF DRAWINGS AND SPECIFICATIONS

a. EBS DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY DESIGN INTENT ONLY. ALL MEANS AND METHODS, SEQUENCES, TECHNIQUES, AND PROCEDURES OF CONSTRUCTION AS WELL AS ANY ASSOCIATED SAFETY PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL AND TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT, AND TO PROVIDE A COMPLETE AND FULLY OPERATIONAL PLUMBING SYSTEM ARE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.



|                 | 3. CONTRACTOR COORDINATION<br>a. COORDINATION DRAWINGS SHOWING SYSTEM AND COMPONENT<br>INSTALLATION LAYOUT, ROUTING, DETAILS, ETC. SHALL BE PRODUCED BY<br>THE PLUMBING CONTRACTOR AND UNDER THE SUPERVISION OF THE<br>SENTERAL POOL TO A CONTRACTOR AND UNDER THE SUPERVISION OF THE                                                                                                       | SCOT                                                                                                                   | 04/10<br>04/10<br>RT                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| ND              | GENERAL CONTRACTOR/CONSTRUCTION MANAGER, OR APPROPRIATE<br>PARTY AS APPLICABLE. ALL SYSTEMS INSTALLED BY EACH<br>SUB-CONTRACTOR SHALL BE COORDINATED WITH ONE ANOTHER AND<br>APPROVED BY GENERAL CONTRACTOR/CONSTRUCTION MANAGER, ETC.<br>PRIOR TO INSTALLATION AND/OR FABRICATION. IF QUESTIONS                                                                                            | STILK<br>E-777                                                                                                         | RECONCTINUE                                                                                                                  |
|                 | CONCERNING DESIGN INTENT ARISE DURING COORDINATION, EBS CAN<br>ASSIST WHERE APPROPRIATE.                                                                                                                                                                                                                                                                                                    | See a paster                                                                                                           | tintern.                                                                                                                     |
| 10              | 4. PLUMBING FIXTURES<br>a. SHUT OFF VALVES/STOPS SHALL BE PROVIDED AT ALL LAVATORIES, SINKS                                                                                                                                                                                                                                                                                                 |                                                                                                                        |                                                                                                                              |
| E               | AND WATER CLOSETS.<br>b. COORDINATE COLOR OF FIXTURES WITH ARCHITECT.                                                                                                                                                                                                                                                                                                                       |                                                                                                                        |                                                                                                                              |
| _ BE            | c. PROVIDE ADA COMPLIANT FIXTURES WHERE INDICATED ON THE<br>ARCHITECTURAL PLANS. PROVIDE OFFSET FIXTURE TAILPIECES AND TRAPS<br>WHERE REQUIRED TO MEET ADA LEG CLEARANCES.                                                                                                                                                                                                                  |                                                                                                                        | CHITECTURE                                                                                                                   |
| JST<br>HES      | d. PROVIDE NEW PLUMBING FIXTURES, EQUIPMENT, PIPING & VALVES AS<br>INDICATED ON DRAWINGS & AS SPECIFIED. FIXTURES SHALL BE SECURELY<br>FASTENED TO PREVENT ANY MOVEMENT OF FIXTURE DURING NORMAL USE.<br>SEAL TO WALL, FLOOR OR COUNTERTOP WITH SILICONIZED ACRYLIC-LATEX                                                                                                                   | Cinc<br>ph.                                                                                                            | 3 Main Street<br>innati, OH 45202<br>513.621.0750<br>itudiosarch.com                                                         |
| L               | CAULK.<br>5. DOMESTIC WATER SYSTEMS                                                                                                                                                                                                                                                                                                                                                         | G·                                                                                                                     | E•I                                                                                                                          |
|                 | a. NEW FIXTURES SHALL BE CONNECTED TO THE EXISTING WATER SERVICE.<br>6. VALVES - GENERAL                                                                                                                                                                                                                                                                                                    | engine                                                                                                                 | -                                                                                                                            |
| rs,<br>NG<br>ON | a. PLUMBING CONTRACTOR MUST PROVIDE VALVES AS NECESSARY FOR<br>PROPER SYSTEM OPERATION AND COMPONENT ISOLATION. INSTALL<br>VALVES FOR EACH ISOLATED FIXTURE OR GROUP OF FIXTURES, AND EACH<br>CONNECTION TO EQUIPMENT.                                                                                                                                                                      | 220 Stewart W<br>Monroe, O<br>513.549                                                                                  | hio 45050<br>2.1434                                                                                                          |
| D               | <ul> <li>b. LOCATE SHUT-OFF VALVES ADJACENT TO EQUIPMENT FOR EASY ACCESS<br/>SUCH THAT VALVES CAN BE REACHED WITHOUT MOVING EQUIPMENT.</li> </ul>                                                                                                                                                                                                                                           |                                                                                                                        | PR-09204                                                                                                                     |
| JNS             | 7. VALVES FOR DOMESTIC WATER                                                                                                                                                                                                                                                                                                                                                                | BU                                                                                                                     | <b>ILDING</b><br>STEMS INC.                                                                                                  |
|                 | a. VALVES FOR DOMESTIC WATER MUST MEET THE REQUIREMENTS OF THE<br>LEAD-FREE LAW S.3874. IT IS THE CONTRACTOR'S RESPONSIBILITY TO<br>PROVIDE LEAD-FREE PRODUCTS AS MANDATED BY THE LAW AND AS<br>REQUIRED/INTERPRETED BY THE AUTHORITY HAVING JURISDICTION.                                                                                                                                  | TEAMWORK<br>SHARED S<br>515 Monmouth S                                                                                 |                                                                                                                              |
| R<br>I A        | <ul> <li>b. PROVIDE VALVES FOR WORKING PRESSURE IN WATER PIPING OF 125 PSI OR<br/>GREATER.</li> </ul>                                                                                                                                                                                                                                                                                       | Newport, KY 4107<br>MEP Consulting S<br>Copyrigh                                                                       | ervices, Inc. in OH                                                                                                          |
| ËS              | <ul> <li>c. GENERAL DUTY SHUT-OFF BALL VALVES</li> <li>i. PROVIDE TWO-PIECE, FULL PORT, SILICON BRONZE BALL VALVES WITH THE<br/>CAPABILITY OF ACCEPTING EXTENDED OPERATING HANDLES (FOR<br/>INSULATED PIPING). VALVES SHALL BE NIBCO MODEL T/S/PC-595-Y-66-LF</li> </ul>                                                                                                                    | THIS DOCUMENT IS THE F<br>PROPERTY OF ENGINEERE<br>NEITHER THE DOCUMENT<br>CONTAINS MAY BE USE<br>SPECIFIC PURPOSE FOR | PRODUCT AND EXCLUSIVE<br>D BUILDING SYSTEMS, INC.<br>NOR THE INFORMATION IT<br>D FOR OTHER THAN THE<br>WHICH IT WAS PREPARED |
| N<br>ND<br>Y    | (-NS) OR EQUAL PRODUCT MANUFACTURED BY AMERICAN VALVE CO,<br>CRANE, HAMMOND, MILWAUKEE, RED-WHITE VALVE CORPORATION, OR<br>WATTS.                                                                                                                                                                                                                                                           |                                                                                                                        | NSENT OF ENGINEERED<br>'STEMS, INC.                                                                                          |
|                 | 8. INSULATION FOR HANDICAP ACCESSIBLE FIXTURES (WHERE NOT PROTECTED<br>WITH A SHROUD)                                                                                                                                                                                                                                                                                                       | ~ S                                                                                                                    | 02                                                                                                                           |
|                 | a. ALL HANDICAP LAVATORY P-TRAP AND ANGLE STOP ASSEMBLIES SHALL BE<br>INSULATED WITH TRAP WRAP PROTECTIVE KIT MANUFACTURED BY PROFLO<br>MODEL PF200 SERIES OR EQUAL. PROVIDE OFFSET TRAPS FOR HANDICAP<br>ACCESSIBLE FIXTURES WHERE REQUIRED. ABRASION RESISTANT,                                                                                                                           | ATE                                                                                                                    | TREE1<br>452                                                                                                                 |
|                 | ANTI-MICROBIAL VINYL EXTERIOR COVER SHALL BE SMOOTH. FOR TRAPS,<br>THE INSULATION MUST HAVE A CLEANOUT NUT CAP TO ALLOW SERVICE TO<br>THE TRAP WITHOUT DISASSEMBLY. FOR STOPS, THE INSULATION MUST<br>HAVE A LOCK LID THAT PREVENTS TAMPERING BUT ALLOWS ACCESS<br>WITHOUT REMOVAL OF THE INSULATION. FASTENERS MUST REMAIN<br>SUBSTANTIALLY OUT OF SIGHT. ACCEPTABLE MANUFACTURERS INCLUDE | Y MA<br>N EST                                                                                                          | SON S<br>OHIC                                                                                                                |
|                 | PROFLO, TRUEBRO, PLUMBEREX, AND DEARBORN.<br>9. CONCRETE HOUSEKEEPING PADS                                                                                                                                                                                                                                                                                                                  |                                                                                                                        | X, T                                                                                                                         |
|                 | 10. ESCUTCHEON PLATES                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                        | NAC                                                                                                                          |
|                 | <ul> <li>a. INSTALL ONE-PIECE CHROME PLATED BRASS WALL PLATE EQUIPPED WITH<br/>SET SCREW AROUND ALL EXPOSED PIPE PASSING THROUGH WALLS IN<br/>FINISHED AREAS.</li> <li>11. CUTTING AND PATCHING</li> </ul>                                                                                                                                                                                  | MMUN                                                                                                                   | 21 J<br>CINI                                                                                                                 |
|                 | a. CUT AND PATCH WALLS AND FLOORS TO MATCH BUILDING CONSTRUCTION<br>WHERE REQUIRED TO INSTALL ALL PLUMBING.                                                                                                                                                                                                                                                                                 | PE                                                                                                                     | 12<br>N                                                                                                                      |
|                 | 12. TESTING                                                                                                                                                                                                                                                                                                                                                                                 | Ŭ L                                                                                                                    | U                                                                                                                            |
|                 | a. ALL PLUMBING WORK SHALL BE TESTED & APPROVED BY INSPECTOR PRIOR<br>TO BEING BACKFILLED, CONCEALED & PUT INTO SERVICE. AFTER TESTING IS<br>COMPLETE & APPROVED, THE PLUMBING CONTRACTOR MUST DISINFECT<br>THE POTABLE WATER SYSTEM AS REQUIRED BY LOCAL AUTHORITY. TEST<br>WATER PURITY ACCORDING TO LOCAL REQUIREMENTS AND SUBMIT                                                        |                                                                                                                        |                                                                                                                              |
|                 | CERTIFIED TEST RESULTS TO OWNER FOR REVIEW AND APPROVAL.<br>13. SHOP DRAWINGS                                                                                                                                                                                                                                                                                                               |                                                                                                                        |                                                                                                                              |
|                 | a. SUBMIT TO THE ARCHITECT PDF FILE COPIES OF COMPLETE & CERTIFIED<br>SHOP DRAWINGS, DESCRIPTIVE DATA, PERFORMANCE DATA & RATINGS,<br>DIAGRAMS AND SPECIFICATIONS ON ALL SPECIFIED EQUIPMENT, INCLUDING<br>ACCESSORIES, AND MATERIALS FOR REVIEW.                                                                                                                                           | PO                                                                                                                     | ĀΗ                                                                                                                           |
|                 | <ul> <li>b. THE MAKE, MODEL NUMBER, TYPE, FINISH &amp; ACCESSORIES OF ALL<br/>EQUIPMENT AND MATERIALS SHALL BE REVIEWED &amp; APPROVED BY THE<br/>PLUMBING CONTRACTOR &amp; GENERAL CONTRACTOR PRIOR TO SUBMITTING<br/>TO THE ARCHITECT FOR THEIR REVIEW &amp; APPROVAL.</li> </ul>                                                                                                         |                                                                                                                        |                                                                                                                              |
|                 | c. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE PLUMBING<br>CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS OF<br>THE CONTRACT DRAWINGS, SPECIFICATIONS & APPLICABLE CODES.                                                                                                                                                                                                         | DATE:                                                                                                                  | BID SET                                                                                                                      |
|                 | 14. OWNER'S INSTRUCTIONS                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                        | 06.20.2022                                                                                                                   |
|                 | a. PROVIDE TWO SETS OF COMPLETE OPERATING AND MAINTENANCE<br>INSTRUCTIONS WITH DRAWINGS, TYPEWRITTEN INSTRUCTIONS AND<br>OPERATING SEQUENCES AND DESCRIPTIVE DATA SHEETS. ASSEMBLE EACH<br>SET IN A HARD-BOUND COVER.                                                                                                                                                                       | $\sum_{i=1}^{n} C_{i}$                                                                                                 | HFA SUBMITTAL                                                                                                                |
|                 | 15. WARRANTY                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        | BID SET<br>07.03.2023                                                                                                        |
|                 | a. THE PLUMBING CONTRACTOR MUST UNCONDITIONALLY WARRANT ALL<br>WORK TO BE FREE OF DEFECTS IN EQUIPMENT, MATERIAL AND<br>WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL<br>ACCEPTANCE BY OWNER AND THE PLUMBING CONTRACTOR WILL REPAIR<br>OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE TO<br>THE OWNER.                                                        |                                                                                                                        | 0,10012020                                                                                                                   |
|                 | <ul> <li>b. RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF<br/>REPAIRING DEFECTIVE EQUIPMENT, MATERIALS AND WORKMANSHIP.</li> <li>END OF DIVISION 22 - PLUMBING</li> </ul>                                                                                                                                                                                                        |                                                                                                                        |                                                                                                                              |
|                 |                                                                                                                                                                                                                                                                                                                                                                                             | PRELIM<br>NOT FOR CO                                                                                                   |                                                                                                                              |
|                 |                                                                                                                                                                                                                                                                                                                                                                                             | PLUMBING BA                                                                                                            | SEMENT PLAN                                                                                                                  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                        |                                                                                                                              |

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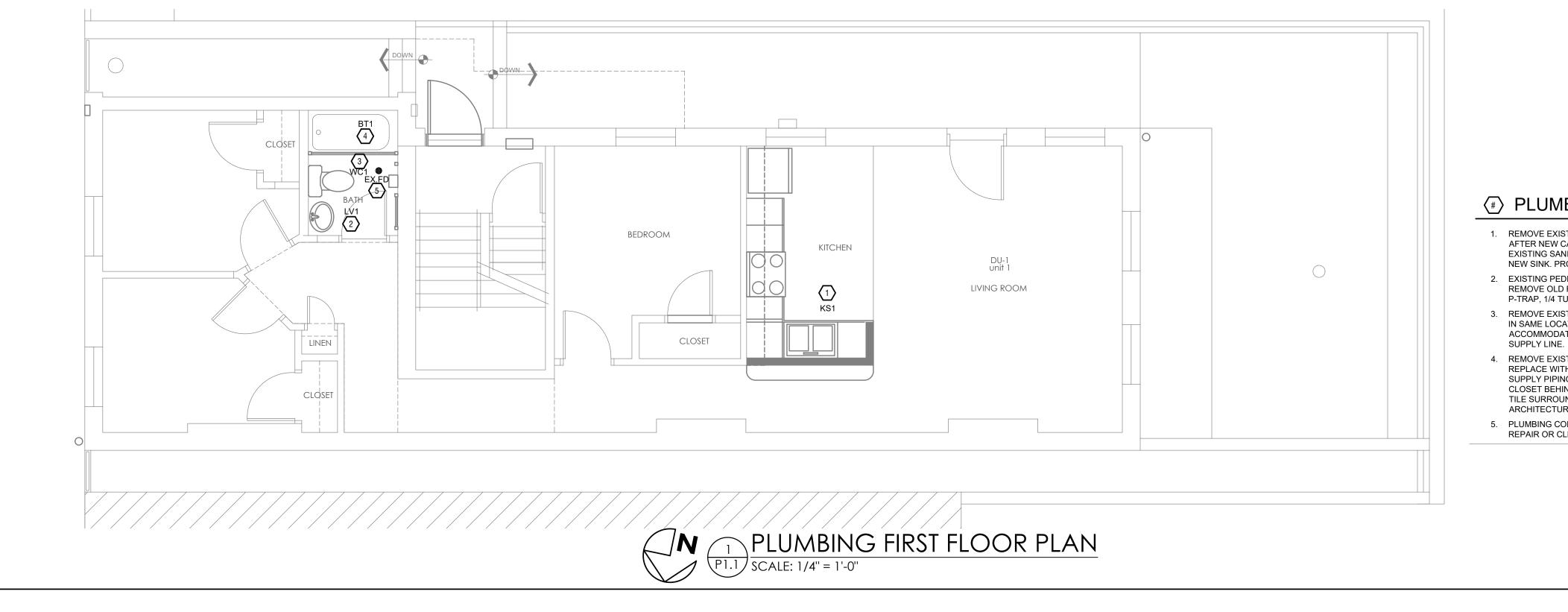
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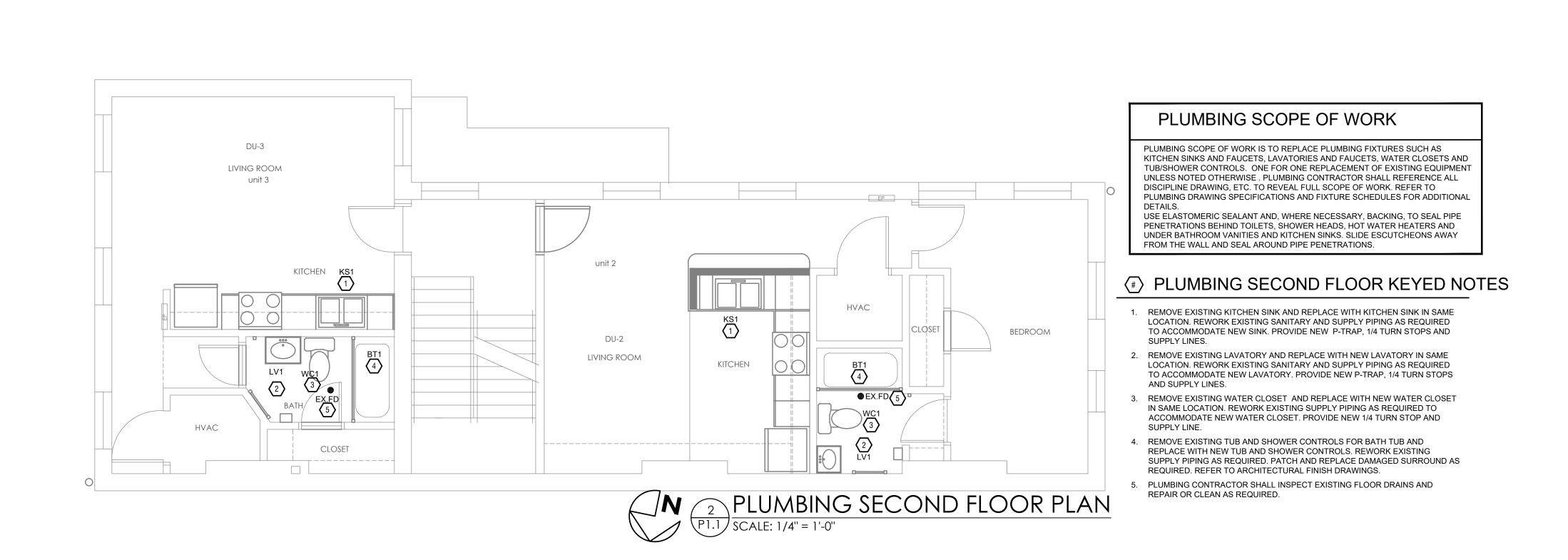
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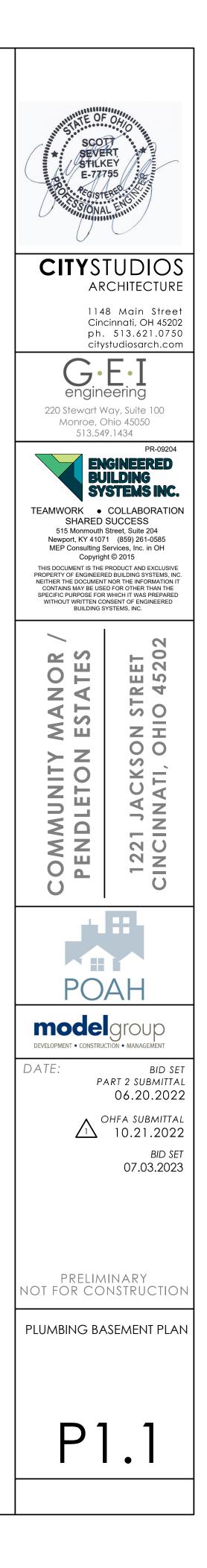
## PLUMBING FIRST FLOOR KEYED NOTES

 REMOVE EXISTING KITCHEN SINK AND REPLACE NEW SINK IN SAME LOCATION AFTER NEW CABINETS AND COUNTERTOPS ARE INSTALLED. REWORK EXISTING SANITARY AND SUPPLY PIPING AS REQUIRED TO ACCOMMODATE NEW SINK. PROVIDE NEW 1/4 TURN STOPS AND SUPPLY LINES.
 EXISTING PEDESTAL LAVATORY TO REMAIN. PLUMBING CONTRACTOR SHALL REMOVE OLD FAUCET AND REPLACE WITH NEW FAUCET. PROVIDE NEW P-TRAP, 1/4 TURN STOPS AND SUPPLY LINES.

3. REMOVE EXISTING WATER CLOSET AND REPLACE WITH NEW WATER CLOSET IN SAME LOCATION. REWORK EXISTING SUPPLY PIPING AS REQUIRED TO ACCOMMODATE NEW WATER CLOSET. PROVIDE NEW 1/4 TURN STOP ON

4. REMOVE EXISTING TUB AND SHOWER CONTROLS FOR BATH TUB AND REPLACE WITH NEW TUB AND SHOWER CONTROLS. REWORK EXISTING SUPPLY PIPING AS REQUIRED. IF POSSIBLE REPLACE CONTROL VALVE FROM CLOSET BEHIND TUB, IF NOT ACCESSIBLE PATCH AND REPLACE DAMAGED TILE SURROUND AS REQUIRED FOR REPLACEMENT. REFER TO ARCHITECTURAL FINISH DRAWINGS.

5. PLUMBING CONTRACTOR SHALL INSPECT EXISTING FLOOR DRAINS AND REPAIR OR CLEAN AS REQUIRED.



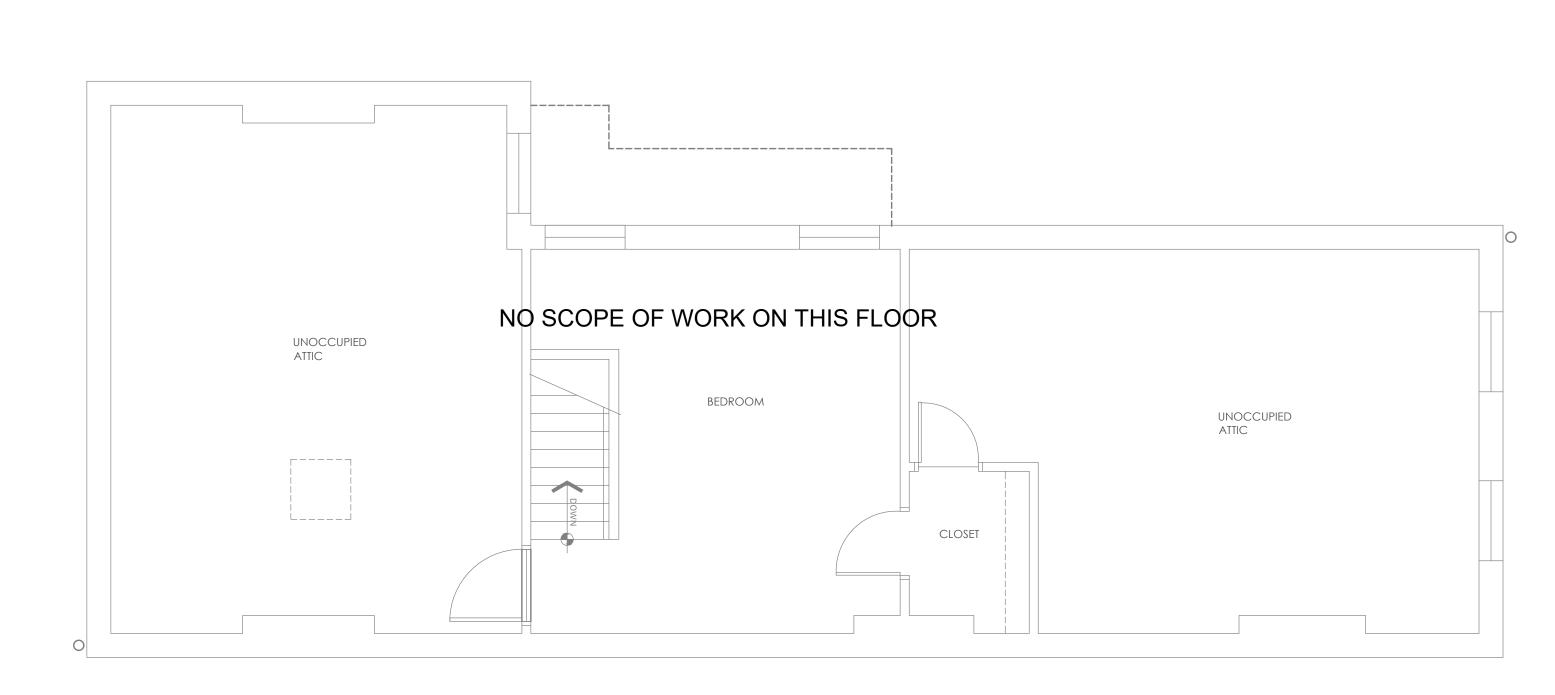
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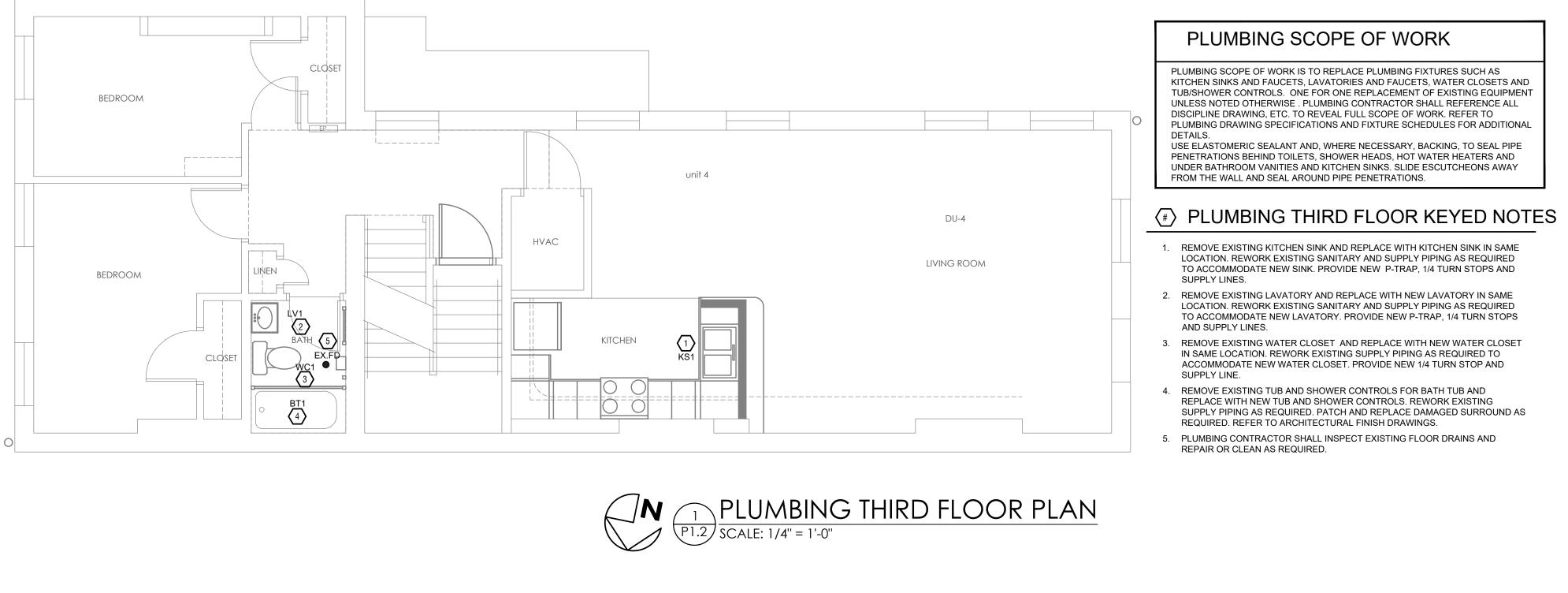
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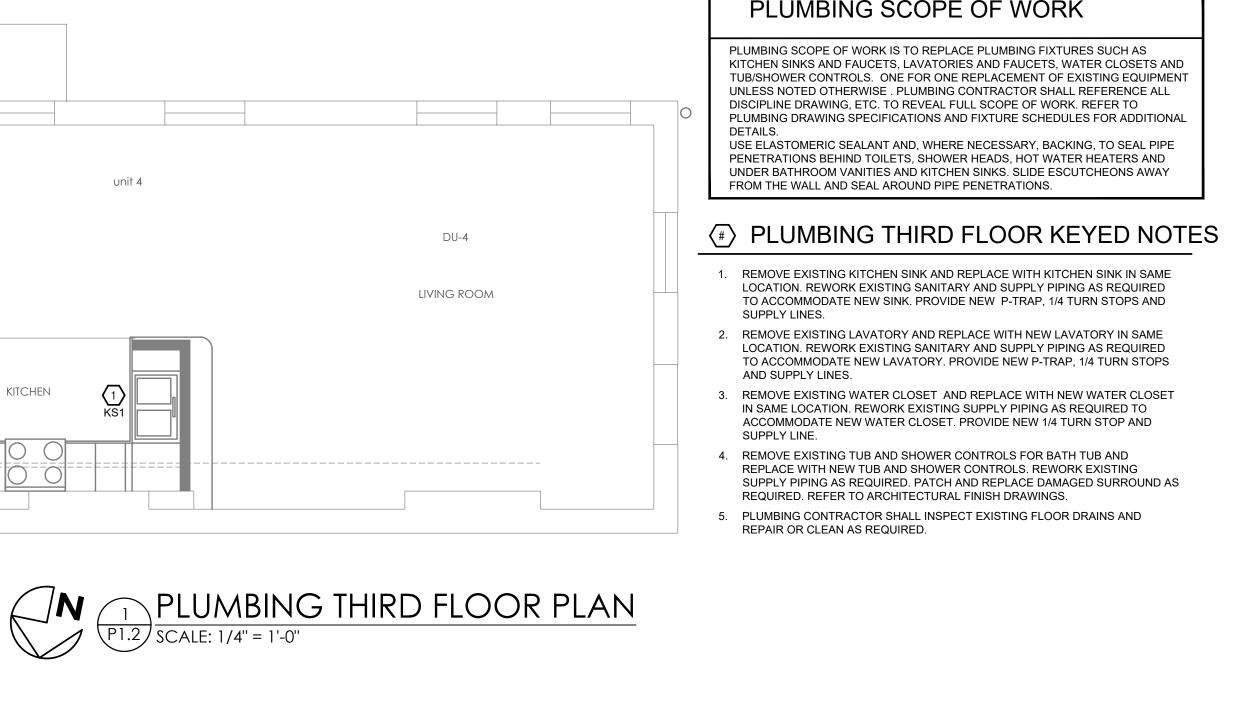
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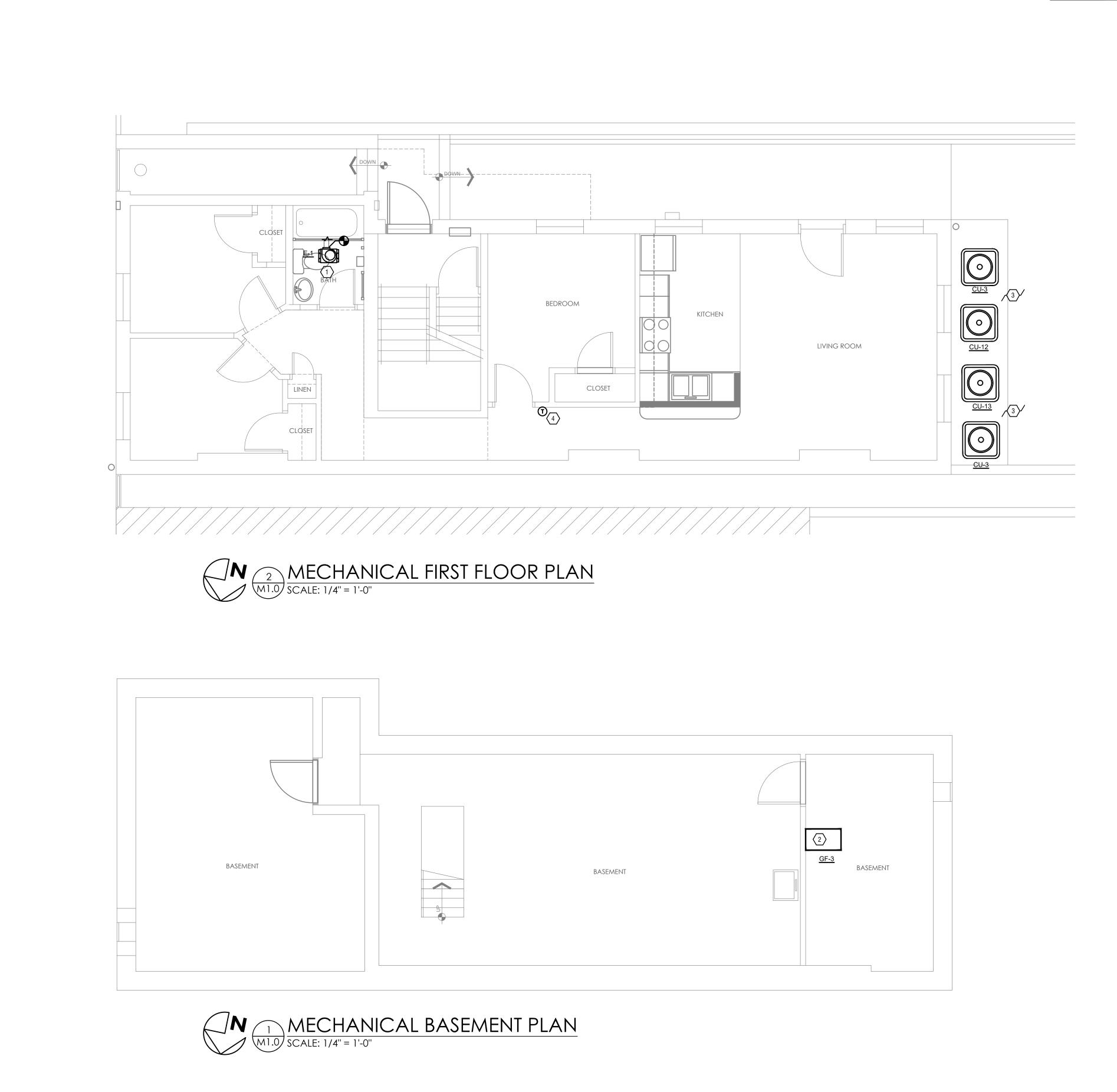








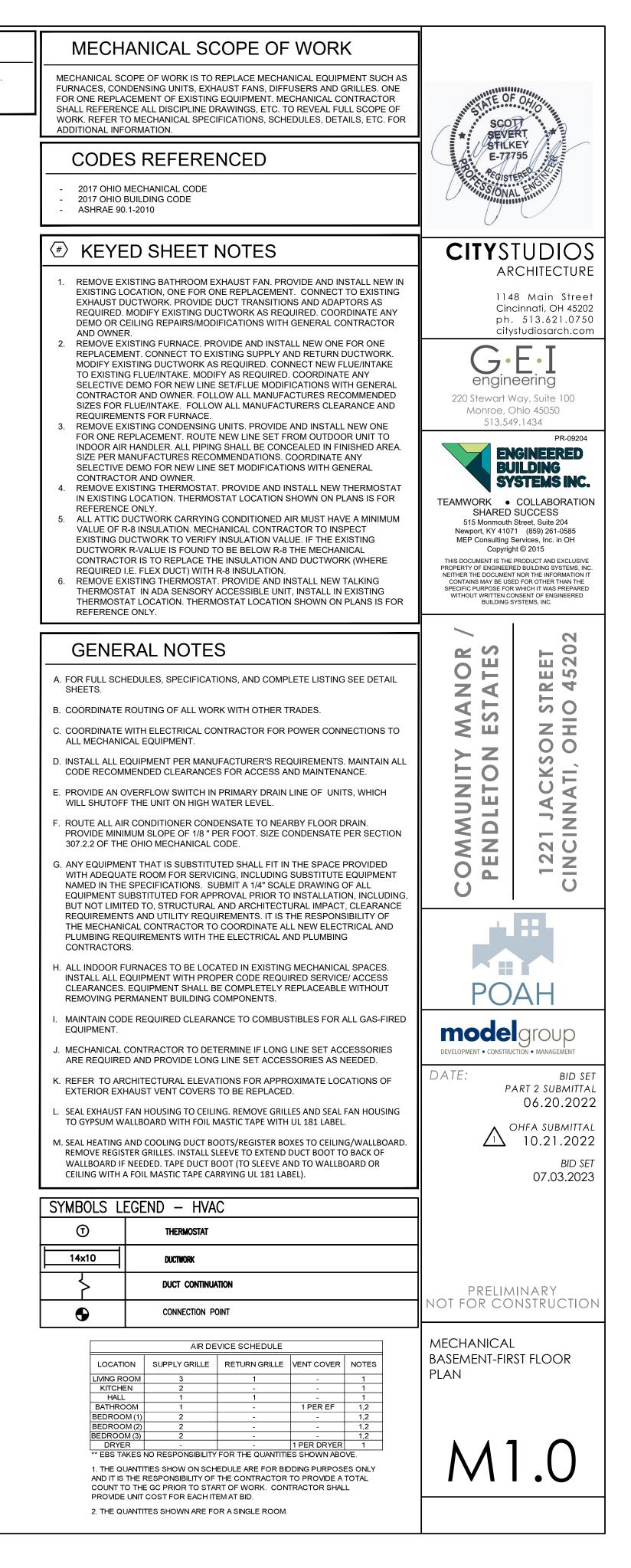




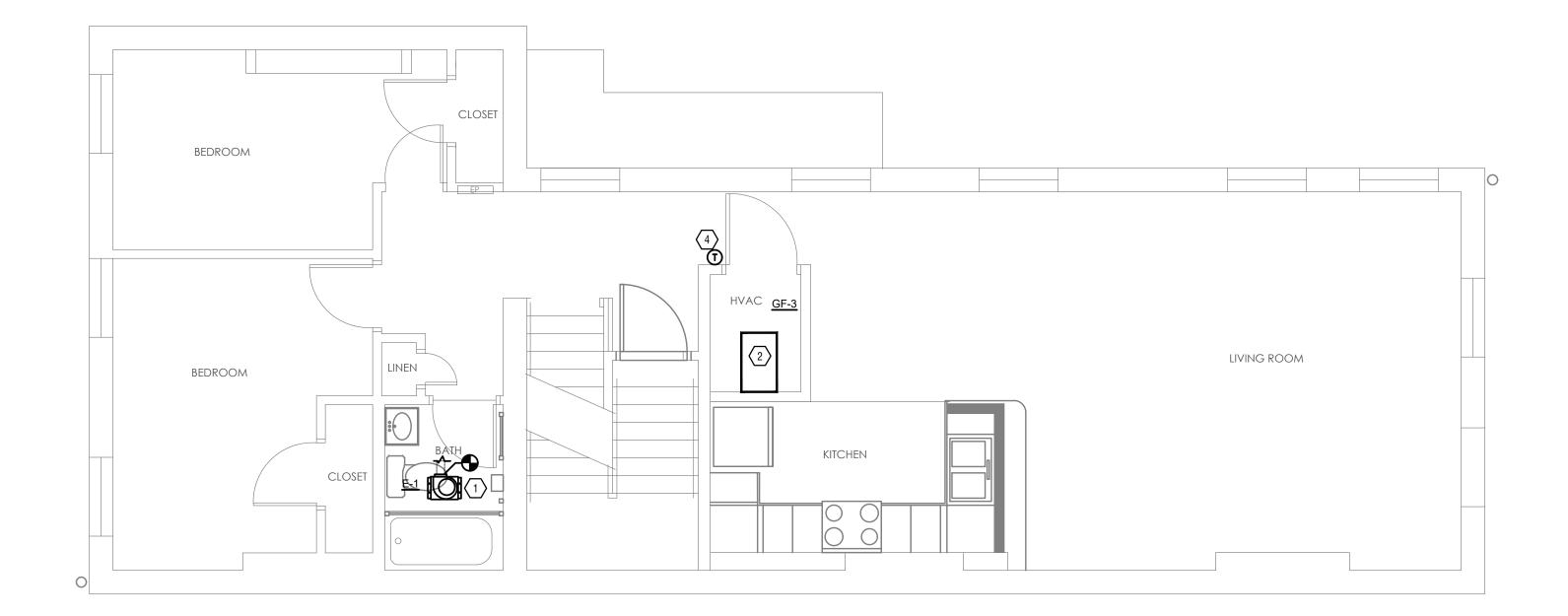
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## ALTERNATE BID NOTE #1

PROVIDE ALTERNATE BID FOR PROFESSIONAL CLEANING OF ALL DUCTWORK.













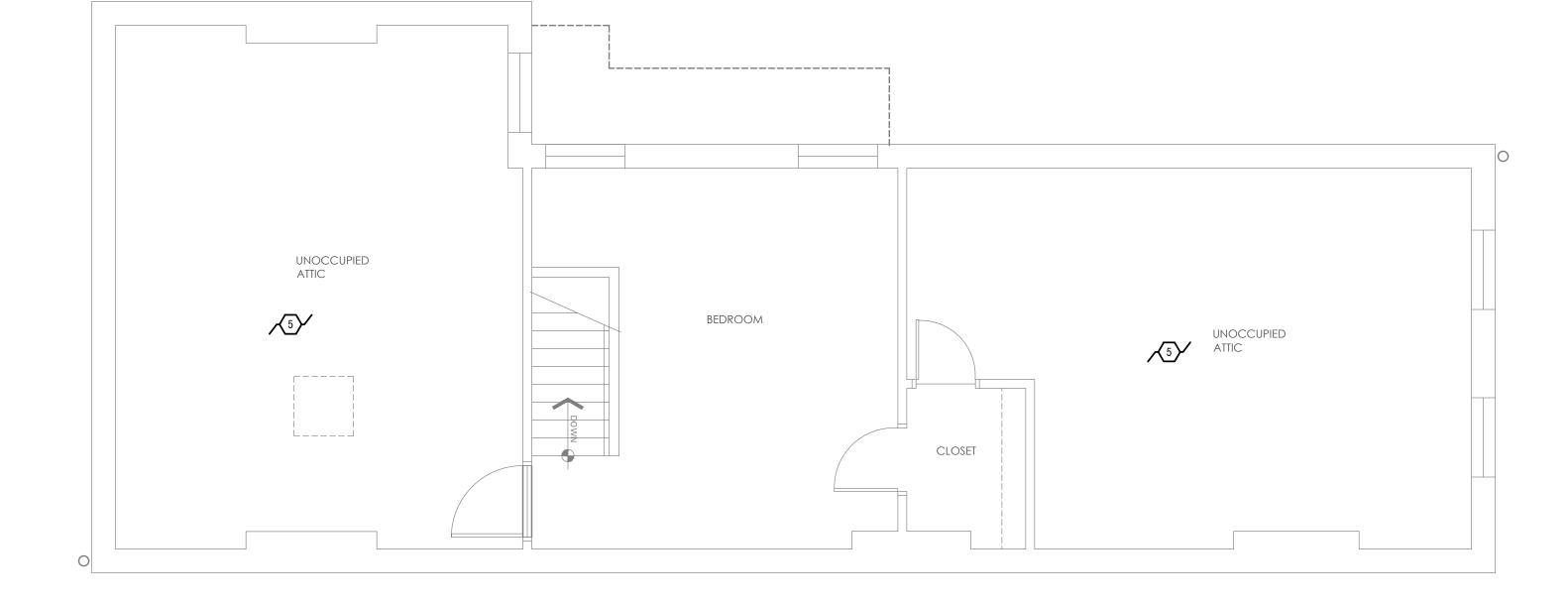
## ALTERNATE BID NOTE #1

PROVIDE ALTERNATE BID FOR PROFESSIONAL CLEANING OF ALL DUCTWORK.

| MECH                                                                                                                                            | ANICAL SCOPE OF WORK                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                |                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FURNACES, CON<br>FOR ONE REPLA<br>SHALL REFEREN                                                                                                 | COPE OF WORK IS TO REPLACE MECHANICAL EQUIPMENT SUCH AS<br>IDENSING UNITS, EXHAUST FANS, DIFFUSERS AND GRILLES. ONE<br>CEMENT OF EXISTING EQUIPMENT. MECHANICAL CONTRACTOR<br>ICE ALL DISCIPLINE DRAWINGS, ETC. TO REVEAL FULL SCOPE OF<br>O MECHANICAL SPECIFICATIONS, SCHEDULES, DETAILS, ETC. FOR<br>ORMATION.                                                                                                                                 | SCO<br>*** SCO                                                                                                                                                                                 | OHO HINING                                                                                                                                                                                                                     |
| CODE                                                                                                                                            | S REFERENCED                                                                                                                                                                                                                                                                                                                                                                                                                                      | E-77                                                                                                                                                                                           | 755                                                                                                                                                                                                                            |
|                                                                                                                                                 | MECHANICAL CODE<br>BUILDING CODE<br>.1-2010                                                                                                                                                                                                                                                                                                                                                                                                       | Jan 555 (ONA<br>Sin 555 (ONA                                                                                                                                                                   |                                                                                                                                                                                                                                |
| JE KEYE                                                                                                                                         | ED SHEET NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                | TUDIOS<br>CHITECTURE                                                                                                                                                                                                           |
| EXISTING L<br>EXHAUST D<br>REQUIRED<br>DEMO OR C<br>AND OWNE<br>2. REMOVE EX                                                                    | KISTING BATHROOM EXHAUST FAN. PROVIDE AND INSTALL NEW IN<br>OCATION, ONE FOR ONE REPLACEMENT. CONNECT TO EXISTING<br>UCTWORK. PROVIDE DUCT TRANSITIONS AND ADAPTORS AS<br>MODIFY EXISTING DUCTWORK AS REQUIRED. COORDINATE ANY<br>SELLING REPAIRS/MODIFICATIONS WITH GENERAL CONTRACTOR<br>R.<br>KISTING FURNACE. PROVIDE AND INSTALL NEW ONE FOR ONE<br>ENT. CONNECT TO EXISTING SUPPLY AND RETURN DUCTWORK.                                     | 114<br>Cine<br>ph.<br>city                                                                                                                                                                     | 8 Main Street<br>cinnati, OH 45202<br>513.621.0750<br>studiosarch.com                                                                                                                                                          |
| TO EXISTIN<br>SELECTIVE<br>CONTRACT<br>SIZES FOR<br>REQUIREMI<br>3. REMOVE EX                                                                   | STING DUCTWORK AS REQUIRED. CONNECT NEW FLUE/INTAKE<br>G FLUE/INTAKE. MODIFY AS REQUIRED. COORDINATE ANY<br>DEMO FOR NEW LINE SET/FLUE MODIFICATIONS WITH GENERAL<br>OR AND OWNER. FOLLOW ALL MANUFACTURES RECOMMENDED<br>FLUE/INTAKE. FOLLOW ALL MANUFACTURERS CLEARANCE AND<br>ENTS FOR FURNACE.<br>KISTING CONDENSING UNITS. PROVIDE AND INSTALL NEW ONE                                                                                       |                                                                                                                                                                                                | )hio 45050                                                                                                                                                                                                                     |
| INDOOR AIF<br>SIZE PER M<br>SELECTIVE<br>CONTRACT<br>4. REMOVE EX<br>IN EXISTING<br>REFERENC<br>5. ALL ATTIC I                                  | DUCTWORK CARRYING CONDITIONED AIR MUST HAVE A MINIMUM                                                                                                                                                                                                                                                                                                                                                                                             | TEAMWORK •<br>SHARED                                                                                                                                                                           | PR-09204<br>GINEERED<br>ILDING<br>STEMS INC.<br>COLLABORATION<br>SUCCESS<br>Street. Suite 204                                                                                                                                  |
| EXISTING D<br>DUCTWORF<br>CONTRACT<br>REQUIRED<br>6. REMOVE EX<br>THERMOST                                                                      | R-8 INSULATION. MECHANICAL CONTRACTOR TO INSPECT<br>UCTWORK TO VERIFY INSULATION VALUE. IF THE EXISTING<br>( R-VALUE IS FOUND TO BE BELOW R-8 THE MECHANICAL<br>OR IS TO REPLACE THE INSULATION AND DUCTWORK (WHERE<br>I.E. FLEX DUCT) WITH R-8 INSULATION.<br>(ISTING THERMOSTAT. PROVIDE AND INSTALL NEW TALKING<br>AT IN ADA SENSORY ACCESSIBLE UNIT, INSTALL IN EXISTING<br>AT LOCATION. THERMOSTAT LOCATION SHOWN ON PLANS IS FOR<br>E ONLY. | Newport, KY 4107<br>MEP Consulting S<br>Copyrigit<br>THIS DOCUMENT IS THE<br>PROPERTY OF ENGINEER<br>NEITHER THE DOCUMENT<br>CONTAINS MAY BE USS<br>SPECIFIC PURPOSE FOR<br>WITHOUT WRITTEN CC | 1 (859) 261-0585<br>Services, Inc. in OH<br>t © 2015<br>PRODUCT AND EXCLUSIVE<br>ED BUILDING SYSTEMS, INC.<br>NOR THE INFORMATION IT<br>DO FOR OTHER THAN THE<br>WHICH IT WAS PREPARED<br>INSENT OF ENGINEERED<br>YSTEMS, INC. |
| GENE                                                                                                                                            | RAL NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                         | R /<br>S                                                                                                                                                                                       | ET<br>202                                                                                                                                                                                                                      |
| SHEETS.<br>B. COORDINATE<br>C. COORDINATE<br>ALL MECHANI<br>D. INSTALL ALL E<br>CODE RECOM<br>E. PROVIDE AN C                                   | AEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL<br>ROUTING OF ALL WORK WITH OTHER TRADES.<br>WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO<br>CAL EQUIPMENT.<br>QUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL<br>MENDED CLEARANCES FOR ACCESS AND MAINTENANCE.                                                                                                                                                            | NITY MANC<br>TON ESTAT                                                                                                                                                                         | CKSON STRE<br>ATI, OHIO 45                                                                                                                                                                                                     |
| F. ROUTE ALL AI                                                                                                                                 | F THE UNIT ON HIGH WATER LEVEL.<br>R CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN.<br>MUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION                                                                                                                                                                                                                                                                                                    | MUI<br>DLE                                                                                                                                                                                     | JACI<br>NNAT                                                                                                                                                                                                                   |
| 307.2.2 OF THI<br>G. ANY EQUIPME<br>WITH ADEQUA<br>NAMED IN THE<br>EQUIPMENT S<br>BUT NOT LIMI<br>REQUIREMEN<br>THE MECHANI                     | E OHIO MECHANICAL CODE.<br>INT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED<br>ITE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT<br>E SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL<br>UBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING,<br>IED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE<br>TS AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF<br>CAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND    | COM                                                                                                                                                                                            | 1221<br>CINCI                                                                                                                                                                                                                  |
| CONTRACTOR<br>H. ALL INDOOR F<br>INSTALL ALL E<br>CLEARANCES                                                                                    | QUIREMENTS WITH THE ELECTRICAL AND PLUMBING<br>S.<br>URNACES TO BE LOCATED IN EXISTING MECHANICAL SPACES.<br>QUIPMENT WITH PROPER CODE REQUIRED SERVICE/ ACCESS<br>EQUIPMENT SHALL BE COMPLETELY REPLACEABLE WITHOUT<br>RMANENT BUILDING COMPONENTS.                                                                                                                                                                                              | PO                                                                                                                                                                                             | AH                                                                                                                                                                                                                             |
| EQUIPMENT.                                                                                                                                      | DE REQUIRED CLEARANCE TO COMBUSTIBLES FOR ALL GAS-FIRED                                                                                                                                                                                                                                                                                                                                                                                           | mode                                                                                                                                                                                           | group                                                                                                                                                                                                                          |
| ARE REQUIRE                                                                                                                                     | CONTRACTOR TO DETERMINE IF LONG LINE SET ACCESSORIES<br>D AND PROVIDE LONG LINE SET ACCESSORIES AS NEEDED.<br>CHITECTURAL ELEVATIONS FOR APPROXIMATE LOCATIONS OF                                                                                                                                                                                                                                                                                 | DATE:                                                                                                                                                                                          |                                                                                                                                                                                                                                |
| EXTERIOR EX                                                                                                                                     | HAUST VENT COVERS TO BE REPLACED.<br>FAN HOUSING TO CEILING. REMOVE GRILLES AND SEAL FAN HOUSING                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                | ART 2 SUBMITTAL<br>06.20.2022                                                                                                                                                                                                  |
| M. SEAL HEATING<br>REMOVE REGIS<br>WALLBOARD IF                                                                                                 | ALLBOARD WITH FOIL MASTIC TAPE WITH UL 181 LABEL.<br>AND COOLING DUCT BOOTS/REGISTER BOXES TO CEILING/WALLBOARD.<br>TER GRILLES. INSTALL SLEEVE TO EXTEND DUCT BOOT TO BACK OF<br>NEEDED. TAPE DUCT BOOT (TO SLEEVE AND TO WALLBOARD OR<br>A FOIL MASTIC TAPE CARRYING UL 181 LABEL).                                                                                                                                                             |                                                                                                                                                                                                | DHFA SUBMITTAL<br>10.21.2022<br>BID SET                                                                                                                                                                                        |
| SYMBOLS L                                                                                                                                       | EGEND – HVAC                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                | 07.03.2023                                                                                                                                                                                                                     |
| 0                                                                                                                                               | THERMOSTAT                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                |                                                                                                                                                                                                                                |
| 14×10                                                                                                                                           | DUCTWORK<br>DUCT CONTINUATION                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                |                                                                                                                                                                                                                                |
|                                                                                                                                                 | CONNECTION POINT                                                                                                                                                                                                                                                                                                                                                                                                                                  | PRELIM<br>NOT FOR CO                                                                                                                                                                           |                                                                                                                                                                                                                                |
| LOCATI<br>LIVING R<br>KITCHE<br>HALL<br>BATHRO<br>BEDROO<br>BEDROO<br>BEDROO<br>DRYE<br>** EBS T<br>1. THE Q<br>AND IT IS<br>COUNT T<br>PROVIDE | DOM     3     1     -     1       EN     2     -     -     1       OM     1     1     -     1       OOM     1     -     1,2       M(1)     2     -     -     1,2       M(2)     2     -     -     1,2       M(3)     2     -     -     1,2                                                                                                                                                                                                        |                                                                                                                                                                                                | PLAN                                                                                                                                                                                                                           |
|                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                |                                                                                                                                                                                                                                |

לא 22-12:17pm Ct. Directories\9200sc9299\92045\Model\_POMEN\cconstruction\_Documents\12219249cKson\9204zM1502mM5024mM5024gFOURTH\_FLOOR\_PLAN.c DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. THESE DRA CTION WITH INFORMATION TO DETERMINE CODE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIB AY EXIST WITH AN OWNER, CONSTRUCTION MANAGER, GENERAL CONTRACTOR, ETC.

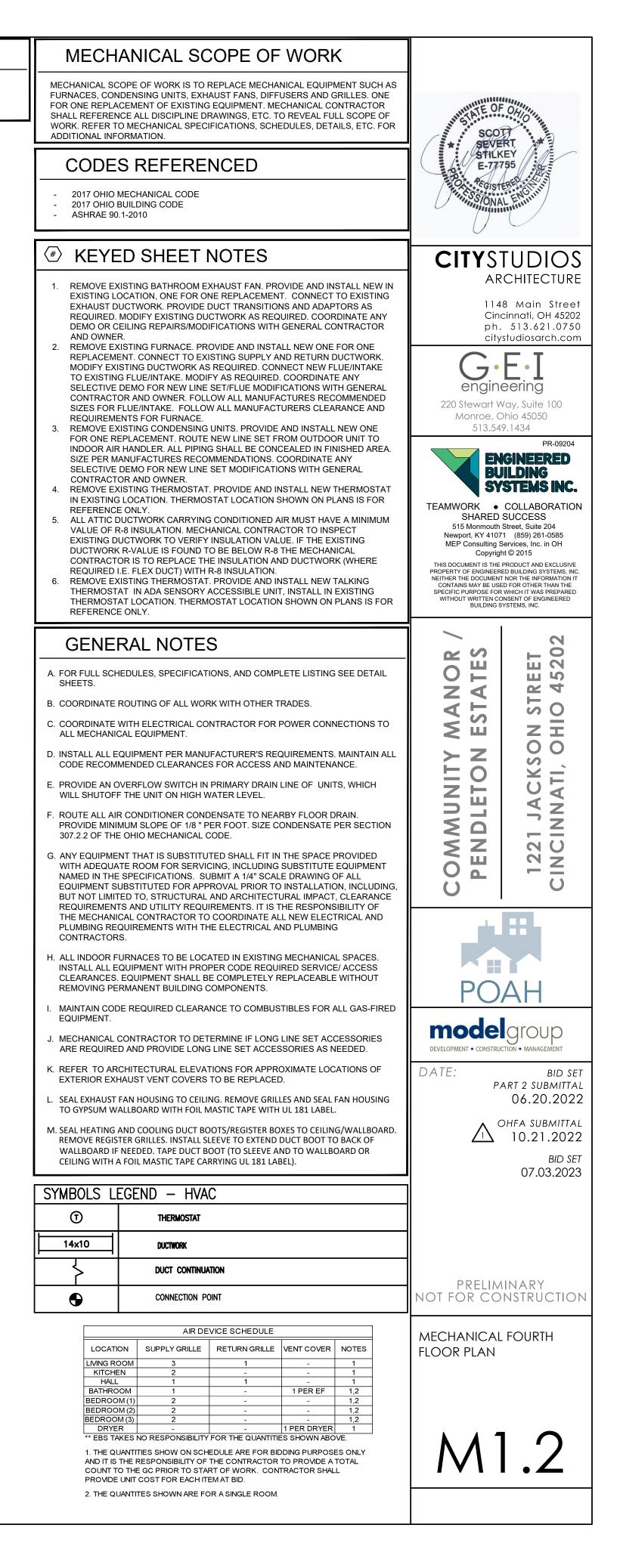
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## ALTERNATE BID NOTE #1

PROVIDE ALTERNATE BID FOR PROFESSIONAL CLEANING OF ALL DUCTWORK.



- a.REFER TO ARCHITECTURAL DRAWINGS, GENERAL NOTES, INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS, BASE BUILDING SPECIFICATIONS AND DRAWINGS, SHOP DRAWING MANUALS AND AS-BUILT PLANS. EXCEPT AS NOTED HEREIN. WHICH APPLY IN ALL RESPECTS TO THIS SECTION. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO BIDDING THE WORK
- 2. USE OF DRAWINGS AND SPECIFICATIONS
- a. EBS DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY DESIGN INTENT ONLY. ALL MEANS AND METHODS SEQUENCES, TECHNIQUES, AND PROCEDURES OF CONSTRUCTION AS WELL AS ANY ASSOCIATED SAFETY PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL AND TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT, AND TO PROVIDE A COMPLETE AND FULLY OPERATIONAL MECHANICAL SYSTEM ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

3. STANDARDS

a. EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF AGA, ARI, ASME, ASTM, CISPI, UL, NEMA, ANSI, SMACNA, ASHRAE, NFPA, NEC, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY. ALL EQUIPMENT MUST BEAR UL LABEL.

#### 4. LICENSE / EXPERIENCE

- a. CONTRACTOR MUST BE LICENSED BY THE STATE TO INSTALL HVAC SYSTEMS/EQUIPMENT. CONTRACTOR MUST ALSO HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE AND HAVE INSTALLED AT LEAST (5) SUCCESSFUL PROJECT INSTALLATIONS OF SIMILAR SIZE AND SCOPE. REFERENCES MUST BE PROVIDED UPON REQUEST. 5. CODES
- a. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. THE MECHANICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AT A MINIMUM WITHOUT ANY EXTRA COST TO THE OWNER. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY.

6. PERMITS AND FEES

a. THE MECHANICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES, TAXES, AND INSPECTIONS NECESSARY TO COMPLETE THE MECHANICAL WORK. FURNISH CERTIFICATE OF APPROVAL FOR WORK FROM INSPECTION AUTHORITY TO OWNER BEFORE FINAL ACCEPTANCE FOR WORK CERTIFICATE OF FINAL INSPECTION AND APPROVAL SHALL BE SUBMITTED WITH THE CONTRACTOR'S REQUEST FOR PAYMENT. NO FINAL PAYMENT WILL BE APPROVED WITHOUT THIS CERTIFICATE.

7. SITE EXAMINATION

- a. THE MECHANICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS OF WORK WHERE EQUIPMENT, DUCTWORK, AND PIPING WILL BE INSTALLED AND SHALL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE MECHANICAL WORK PRIOR TO BID. CONTRACTOR SHALL ALSO EXAMINE THE DRAWINGS AND SPECIFICATIONS OF OTHER BRANCHES OF WORK, MAKING REFERENCE TO THEM FOR DETAILS OF NEW OR EXISTING BUILDING CONDITIONS. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO INCLUDE ALL REQUIRED WORK IN BID.
- b. ALL WORK SHALL BE DONE AT TIMES CONVENIENT TO THE OWNER AND ONLY DURING NORMAL WORKING HOURS, UNLESS SPECIFIED OTHERWISE.
- c. MECHANICAL CONTRACTOR SHALL TAKE THEIR OWN MEASUREMENTS AND BE RESPONSIBLE FOR THEM. d. ACCESS PANELS ARE NOT SHOWN ON DRAWINGS. DURING SITE EXAMINATION, CONTRACTOR SHALL IDENTIFY ALL AREAS WHERE ACCESS PANELS ARE REQUIRED, AND REPORT TO GENERAL CONTRACTOR. DESIGNATION OF WHO FURNISHES AND WHO INSTALLS ACCESS PANELS MUST BE COORDINATED WITH GENERAL CONTRACTOR PRIOR TO STARTING WORK.

8. CONTRACTOR COORDINATION

- a. COORDINATION DRAWINGS SHOWING SYSTEM AND COMPONENT INSTALLATION LAYOUT, ROUTING, DETAILS, ETC. SHALL BE PRODUCED BY THE MECHANICAL CONTRACTOR AND UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER, OR APPROPRIATE PARTY AS APPLICABLE.
- b. ALL SYSTEMS INSTALLED BY EACH SUB-CONTRACTOR SHALL BE COORDINATED WITH ONE ANOTHER AND APPROVED BY GENERAL CONTRACTOR/CONSTRUCTION MANAGER, ETC. PRIOR TO INSTALLATION AND/OR FABRICATION
- c. IF QUESTIONS CONCERNING DESIGN INTENT ARISE DURING COORDINATION, EBS CAN ASSIST WHERE APPROPRIATE.

d. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DO NOT SCALE DISTANCES OFF THE MECHANICAL DRAWINGS; USE ACTUAL BUILDING DIMENSIONS. 9. SHOP DRAWINGS / SUBMITTALS

- a. SUBMIT TO THE ARCHITECT ELECTRONIC COPIES OF COMPLETE AND CERTIFIED SHOP DRAWINGS, DESCRIPTIVE DATA, PERFORMANCE DATA AND RATINGS, DIAGRAMS AND SPECIFICATIONS ON ALL SPECIFIED EQUIPMENT, INCLUDING ACCESSORIES, AND MATERIALS FOR REVIEW. THE MAKE, MODEL NUMBER TYPE FINISH AND ACCESSORIES OF ALL EQUIPMENT AND MATERIALS SHALL BE REVIEWED AND APPROVED BY THE MECHANICAL CONTRACTOR AND GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT FOR THEIR REVIEW AND APPROVAL. APPROVAL OF SHOP DRAWINGS DOES NOT RELIEVE THE MECHANICAL CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS AND APPLICABLE CODES.
- b. SHOP DRAWINGS SHALL BE REQUIRED FOR THE FOLLOWING:
- HVAC EQUIPMENT
- •FANS
- •DIFFUSERS, REGISTERS, GRILLES, DAMPERS, LOUVERS, AND ALL SHEET METAL ACCESSORIES
- •TEMPERATURE CONTROLS
- •SHEET METAL COORDINATION DRAWINGS
- •AIR BALANCE REPORT

c. PRODUCTS INSTALLED BY THE MECHANICAL CONTRACTOR AND PROVIDED BY OTHERS MUST BE SUBMITTED FOR REVIEW PRIOR TO PURCHASING. PRODUCTS SHALL NOT BE SELECTED BASED ON PERMIT DRAWINGS WITHOUT EXPRESS PERMISSION - PRODUCTS SHALL BE SELECTED BASED ON CONSTRUCTION DRAWINGS.

10. RECORD DRAWING

- a. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING RECORD DRAWINGS WHERE REQUIRED. DRAWINGS SHALL BE PRODUCED IN AUTOCAD 2004 FORMAT OR LATER.
- 11. TESTING

a. ALL MECHANICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION.

12. FIRE STOPPING

- a. PROVIDE FIRE STOPPING AT ALL PENETRATIONS THROUGH RATED SEPARATIONS PER LOCAL CODES & REGULATIONS & PER UL RECOMMENDATIONS FOR ASSEMBLIES ENCOUNTERED IN PROJECT. b. THE FIRE STOPPING MATERIAL SHALL MEET THE INTEGRITY OF THE FIRE RATED WALL, FLOOR, CEILING &
- ROOF BEING PENETRATED. REFER TO ARCHITECT'S DRAWINGS FOR WALL, FLOOR, CEILING & ROOF FIRE RATINGS PRIOR TO BIDDING WORK.
- c. REFER TO ARCHITECT'S DRAWINGS FOR WALL, FLOOR, CEILING, AND ROOF FIRE RATINGS PRIOR TO BIDDING WORK. 13. ACCESS PANELS
- a. PROVIDE CEILING AND WALL ACCESS PANEL QUANTITIES & LOCATIONS TO THE GENERAL CONTRACTOR PRIOR TO BIDDING. ACCESS PANELS ARE REQUIRED FOR ALL CONCEALED APPLIANCES, CONTROLS DEVICES, HEAT EXCHANGERS AND HVAC SYSTEM COMPONENTS THAT UTILIZE ENERGY. WHERE ACCESS PANELS ARE USED, THE ACCESS PANEL SHOULD BE SIZED TO ALLOW ACCESSIBILITY FOR INSPECTION, SERVICE. REPAIR AND REPLACEMENT WITHOUT DISABLING THE FUNCTION OF A FIRE-RESISTANCE-RATED ASSEMBLY OR REMOVING PERMANENT CONSTRUCTION. OTHER APPLIANCES. VENTING SYSTEMS OR ANY OTHER PIPING OR DUCTS NOT CONNECTED TO THE APPLIANCE BEING INSPECTED. SERVICED. REPAIRED OR REPLACED. THERE SHALL BE NO EXTRAS FOR HAVING TO ADD ACCESS PANELS AFTER BIDS ARE AWARDED.
- 14. CUTTING AND PATCHING
- a.NEATLY DO ALL CUTTING AS REQUIRED AND PATCH ALL CUT SURFACES TO MATCH BUILDING CONSTRUCTION. THE CONTRACTOR SHALL EMPLOY AND PAY A TRADE TRAINED AND QUALIFIED TO PERFORM THE REQUIRED PATCHING WORK. ALL SURFACES DISTURBED SHALL BE RESTORED WITH LIKE MATERIALS TO THE SATISFACTION OF THE OWNER. ALL PENETRATIONS THROUGH ROOF SHALL BE MADE BY BONDED ROOFER. MECHANICAL CONTRACTOR SHALL PAY ALL FEES REQUIRED.

**15. FLASHING & COUNTERFLASHING** 

- a.ROOF FLASHING SHALL BE FURNISHED AND INSTALLED BY THE ROOFING CONTRACTOR. ROOF COUNTERFLASHING SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. COORDINATE WORK WITH ROOFING CONTRACTOR AND PAY ALL FEES.
- b. OBTAIN APPROVAL FROM GENERAL CONTRACTOR, CONSTRUCTION MANAGER, OWNER AND/OR ROOFING CONTRACTOR PRIOR TO MAKING ANY PENETRATIONS SO THAT WARRANTIES ARE NOT COMPROMISED OR VOIDED
- 16. WARRANTY

- WORK PROMPTLY AND WITHOUT CHARGE TO THE OWNER.
- MATERIALS AND WORKMANSHIP **17. MECHANICAL WORK**
- APPLICABLE CODE. **18. OWNER'S INSTRUCTIONS**
- EACH SET IN A HARD-BOUND COVER. PROVIDE PDF FILES OF ALL DOCUMENTATION. 19. FINALE
- DUCTWORK/PIPING, AIR DEVICES, ETC.
- 20. ADHESIVES AND SEALANTS
- SMOKE-DEVELOPED INDEX OF 50 WHEN TESTED ACCORDING TO UL 723.
- EXPOSED BEAD. DO NOT USE TWO-PART TAPE SEALING SYSTEM.
- 21. DIFFUSERS, GRILLES AND REGISTERS INSTALLATION IN THE TYPE OF CEILING AND WALLS USED IN THIS PROJECT.
- 22. EXHAUST FAN
- APPLICABLE ACCESSORIES.
- 23. INDOOR FURNACE
- TECHNICAL DATA, AND ACCESSORIES. 24. OUTDOOR CONDENSING UNIT
- 25. CONDENSATE DRAIN PIPING
- B. ALL COOLING EQUIPMENT SHALL HAVE A WET SWITCH IN THE PRIMARY DRAIN LINE, THE OVERFLOW DRAIN THE CONDENSATE IS CLOGGED
- 26. PIPING SUPPORTS (METAL PIPE)
- TRIM AND ANGLES FOR SUPPORT OF PIPING.
- 27. PIPING SUPPORTS (PLASTIC PIPE)
- 28. TEMPERATURE CONTROLS AND CONTROL WIRING
- PROVIDED WITH EQUIPMENT PACKAGES UNLESS OTHERWISE NOTED. 29. TESTING, BALANCING, AND ADJUSTING
- TO MATCH AIRFLOW INDICATED ON THE FURNACE SCHEDULE 30. SEQUENCE OF OPERATION
- EXHAUST FANS
- MECHANICAL CONTRACTOR).
- •SPLIT SYSTEMS
- •GF/CU-X:
- THE UNIT SHALL SHUT OFF.
- TEMPERATURE SETPOINT.

a. THE MECHANICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN EQUIPMENT, MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER. THE MECHANICAL CONTRACTOR WILL REPAIR OR REPLACE ANY DEFECTIVE

b. RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE EQUIPMENT,

a. THE MECHANICAL CONTRACTOR SHALL PROVIDE NEW HVAC EQUIPMENT, FANS, DUCTWORK, PIPING, AIR DEVICES, CONTROLS AS INDICATED ON DRAWINGS AND AS SPECIFIED, STARTUP AND 1ST YEAR PARTS AND LABOR WARRANTY SHALL BE INCLUDED AND MANUFACTURER'S EXTENDED WARRANTIES. EQUIPMENT AND APPLIANCES SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL, IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING, THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND THE

a. PROVIDE TWO SETS OF COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS WITH DRAWINGS, TYPEWRITTEN INSTRUCTIONS AND OPERATING SEQUENCES AND DESCRIPTIVE DATA SHEETS. ASSEMBLE

a. PUT ALL EQUIPMENT IN SERVICE AND DEMONSTRATE THAT ALL CONDITIONS OF THE CONTRACT HAVE BEEN FULFILLED. REMOVE ALL TOOLS, DEBRIS, ETC. OCCASIONED BY WORK UNDER THIS CONTRACT. SUBMIT ALL WARRANTIES, TEST REPORTS, OPERATING AND MAINTENANCE MANUALS FOR HVAC SYSTEMS, LOG SHEETS AND CHARTS, AND GUARANTEES AS PREVIOUSLY SPECIFIED, PROVIDE ALL REPORTS, FORMS, ETC. REQUIRED BY INSPECTORS TO THE SATISFACTION OF THE OWNER PROVIDE AS-BUILT RECORD DRAWINGS (IN AUTOCAD 2007 OR LATER) SHOWING AN ACCURATE ACCOUNT OF THE FINAL INSTALLED SYSTEMS. SYSTEMS INCLUDING BUT NOT LIMITED TO ALL EQUIPMENT AND ASSOCIATED CONTROLS,

a. SEAL ALL LONGITUDINAL AND TRANSVERSE DUCT JOINTS WITH A UL 181A OR 181B NON-HARDENING, NON-MIGRATING MASTIC OR LIQUID ELASTIC SEALANT OF A TYPE RECOMMENDED BY THE MANUFACTURER FOR SEALING JOINTS AND SEAMS IN SHEET METAL DUCTWORK. COVER ALL FIELD JOINTS, JOINTS AROUND SPIN-IN FITTINGS AND FASTENING SCREWS WITH MASTIC. ALL SEALANTS AND GASKETS SHALL HAVE SURFACE-BURNING CHARACTERISTICS WITH A MAXIMUM FLAME-SPREAD INDEX OF 25 AND A MAXIMUM

b. EXPOSED DUCTWORK: TRIM DUCT SEALANTS FLUSH WITH METAL. CREATE A SMOOTH AND UNIFORM

A.DIFFUSERS, GRILLES AND REGISTERS SHALL BE MANUFACTURED BY TITUS, PRICE, OR ENGINEERED APPROVED EQUAL AND SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR DIFFUSERS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS AND SCHEDULES. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS ITEMS NECESSARY FOR A COMPLETE AND PROPER

A.FAN MANUFACTURER SHALL BE BROAN, PANASONIC, COOK, GREENHECK, OR ENGINEERED APPROVED EQUAL. REFER TO DRAWINGS AND SCHEDULES FOR UNIT LOCATION, TECHNICAL DATA, AND ANY

A.SPLIT SYSTEMS SHALL CONSIST OF HIGH EFFICIENT CONDENSING GAS FURNACE AND ASSOCIATED CONDENSING UNIT. FURNACE SHALL BE A 4-WAY MULTIPOISE DESIGN AND INSTALLED PER MANUFACTURER'S REQUIREMENTS. REFER TO DRAWINGS AND SCHEDULES FOR UNIT LOCATION,

A.REFER TO DRAWINGS AND SCHEDULES FOR UNIT LOCATION, TECHNICAL DATA, AND ACCESSORIES.

A.THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDENSATE DRAINS, P-TRAPS WITH REMOVABLE CLEANOUT CAPS FOR AIR EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. THE P-TRAP DEPTH SHALL BE AT LEAST THE DEPTH SPECIFIED FOR THE RESPECTIVE PRESSURE DROP OF THE UNIT. CONDENSATE DRAIN PIPING SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT WELD FITTINGS INSULATE CONDENSATE WALLS OF PIPE WITH ARMAFLEX AP. FLEXIBLE CLOSED CELL ELASTOMERIC FOAM SELE-SEALING INSULATION PROVIDE 1/2" THICK INSULATION ON PIPING < 1" IN DIAMETER AND 1" THICK INSULATION ON PIPING BETWEEN 1" AND 1-1/2" IN DIAMETER. PIPE INSULATION SHALL NOT EXCEED 25/50 FLAME-SMOKE RATINGS]. ALL CONDENSATE DRAIN LINES SHALL BE CONFIGURED TO PERMIT THE CLEARING OF BLOCKAGES AND PERFORMANCE OF MAINTENANCE WITHOUT REQUIRING THE DRAIN LINE TO BE CUT. FOR CONDENSATE PUMPS LOCATED IN UNINHABITABLE SPACES (I.E. ATTICS AND CRAWL SPACES), PROVIDE CONTROLS THAT WILL SHUT DOWN THE AIR EQUIPMENT IF THE CONDENSATE PUMP FAILS

LINE, OR IN THE EQUIPMENT-SUPPLIED DRAIN PAN (LOCATED AT A POINT HIGHER THAN THE PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM OF THE PAN) THAT WILL SHUT DOWN THE UNIT WHEN

A.FURNISH AND INSTALL HOT-DIPPED GALVANIZED STEEL FASTENERS, HANGERS, ANCHORS, RODS, STRAPS,

A.FURNISH AND INSTALL HANGERS FOR PLASTIC PIPING PER MANUFACTURER'S REQUIREMENTS.

A. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING NECESSARY FOR THE COMPLETE AND PROPER OPERATING TEMPERATURE CONTROL SYSTEM. PROGRAMMABLE THERMOSTATS SHALL BE

A.MECHANICAL CONTRACTOR IS RESPONSIBLE TO ADJUST SPEED TAPS ON FURNACE BLOWER MOTOR. REFERENCE THE FAN PERFORMANCE CHART IN THE EQUIPMENT PRODUCT DATA FOR CORRECT SETTING

•E-X: EXHAUST FAN SHALL RUN ON A CONDENSATION SENSOR SWITCH (FURNISHED BY THE

•HEATING MODE - INDOOR FURNACES SHALL BE CONTROLLED FROM A THERMOSTAT IN THE SPACE. WHEN THE THERMOSTAT CALLS FOR HEATING THE FAN SHALL RUN AND THE GAS FIRED HEAT EXCHANGER SHALL FIRE TO MAINTAIN TEMPERATURE SETPOINT. WHEN THE SETPOINT IS REACHED

•COOLING MODE - WHEN THE THERMOSTAT CALLS FOR COOLING THE CONDENSING UNIT SHALL ENGAGE, THE FURNACE FAN SHALL RUN, AND THE DX COOLING COIL SHALL COOL THE AIR TO MAINTAIN

| UNIT   | TAG   | AREA<br>SERVED       | MANUFACTURER | FURNACE        | AFUE | HTG CAP<br>IN BTUH | HEATING<br>CAP BTUH | CFM  | ESP | HP  | MCA  | MOCP | WEIGHT | NOTES |
|--------|-------|----------------------|--------------|----------------|------|--------------------|---------------------|------|-----|-----|------|------|--------|-------|
| SYS-01 | GF-1  | REFER TO<br>DRAWINGS | TEMPSTAR     | N95ESN0401410A | 96%  | 40,000             | 39,000              | 884  | 0.5 | .50 | 9.7  | 15   | 120    | 1-2   |
| SYS-02 | GF-2  | REFER TO<br>DRAWINGS | TEMPSTAR     | N95ESN0401410A | 96%  | 40,000             | 39,000              | 865  | 0.5 | .50 | 9.7  | 15   | 120    | 1-2   |
| SYS-03 | GF-3  | REFER TO<br>DRAWINGS | TEMPSTAR     | N95ESN0601412A | 96%  | 60,000             | 58,000              | 1023 | 0.5 | .50 | 9.8  | 15   | 129    | 1-2   |
| SYS-04 | GF-4  | REFER TO<br>DRAWINGS | TEMPSTAR     | N95ESN0601714A | 96%  | 60,000             | 58,000              | 1204 | 0.5 | .75 | 12.9 | 15   | 139    | 1-2   |
| SYS-05 | GF-5  | REFER TO<br>DRAWINGS | TEMPSTAR     | N95ESN0601714A | 96%  | 60,000             | 58,000              | 1247 | 0.5 | .75 | 12.9 | 15   | 139    | 1-2   |
| SYS-06 | GF-6  | REFER TO<br>DRAWINGS | TEMPSTAR     | N95ESN0601714A | 96%  | 60,000             | 58,000              | 1232 | 0.5 | .75 | 12.9 | 15   | 139    | 1-2   |
| SYS-12 | GF-12 | REFER TO<br>DRAWINGS | TEMPSTAR     | N95ESN0401410A | 96%  | 40,000             | 39,000              | 595  | 0.5 | .50 | 9.7  | 15   | 120    | 1-2   |
| SYS-13 | GF-13 | REFER TO<br>DRAWINGS | TEMPSTAR     | N95ESN0401410A | 96%  | 40,000             | 39,000              | 555  | 0.5 | .50 | 9.7  | 15   | 120    | 1-2   |

1. EXIERNAL IRAP KII 2. CONDENSATE NEUTRALIZER KIT.

\*NOT ALL EQUIPMENT SHOWN APPLIES TO BUILDING. REFER TO FLOOR PLANS FOR QUANTITY AND TYPE OF EQUIPMENT. OUTDOOR SYSTEM SCHEDULE

| UNIT   | TAG   | AREA<br>SERVED       | MANUFACTURER | INDOOR COIL | CONDENSING | CLG-MBH | VOLTS   | PHASE | MCA  | MOCP | SEER | EER  | WEIGHT | NOTES |
|--------|-------|----------------------|--------------|-------------|------------|---------|---------|-------|------|------|------|------|--------|-------|
| SYS-01 | CU-1  | REFER TO<br>DRAWINGS | TEMPSTAR     | END4X18L14  | NXA418GKC  | 18      | 208/230 | 1     | 11.7 | 20   | 15   | 12.5 | 123    | 1-5   |
| SYS-02 | CU-2  | REFER TO<br>DRAWINGS | TEMPSTAR     | END4X24L14  | NAX424GKC  | 24      | 208/230 | 1     | 14.1 | 20   | 14   | 11.5 | 119    | 1-5   |
| SYS-03 | CU-3  | REFER TO<br>DRAWINGS | TEMPSTAR     | END4X24L14  | NAX424GKC  | 24      | 208/230 | 1     | 14.1 | 20   | 14   | 11.5 | 119    | 1-5   |
| SYS-04 | CU-4  | REFER TO<br>DRAWINGS | TEMPSTAR     | END4X30L17  | NAX430GKC  | 30      | 208/230 | 1     | 16.8 | 25   | 15   | 12.5 | 151    | 1-5   |
| SYS-05 | CU-5  | REFER TO<br>DRAWINGS | TEMPSTAR     | END4X37L17  | NAX436GKC  | 36      | 208/230 | 1     | 18.1 | 30   | 14   | 12   | 134    | 1-5   |
| SYS-06 | CU-6  | REFER TO<br>DRAWINGS | TEMPSTAR     | END4X42L21  | NAX442GKC  | 42      | 208/230 | 1     | 22.3 | 35   | 14   | 12   | 192    | 1-5   |
| SYS-12 | CU-12 | REFER TO<br>DRAWINGS | TEMPSTAR     | END4X24L14  | NAX424GKC  | 24      | 208/230 | 1     | 14.1 | 20   | 14   | 11.5 | 119    | 1-5   |
| SYS-13 | CU-13 | REFER TO<br>DRAWINGS | TEMPSTAR     | END4X18L14  | NXA418GKC  | 18      | 208/230 | 1     | 11.7 | 20   | 15   | 12.5 | 123    | 1-5   |

1. LOW AMBIENT PRESSURE SWITCH.

2. LOW PRESSURE SWITCH 3. CRANKCASE HEATER.

4. HARD START KIT.

5. DIVERSITECH 2" ECOPAD OR ENGINEERED EQUIVALENT. \*NOT ALL EQUIPMENT SHOWN APPLIES TO BUILDING. REFER TO FLOOR PLANS FOR QUANTITY AND TYPE OF EQUIPMENT.

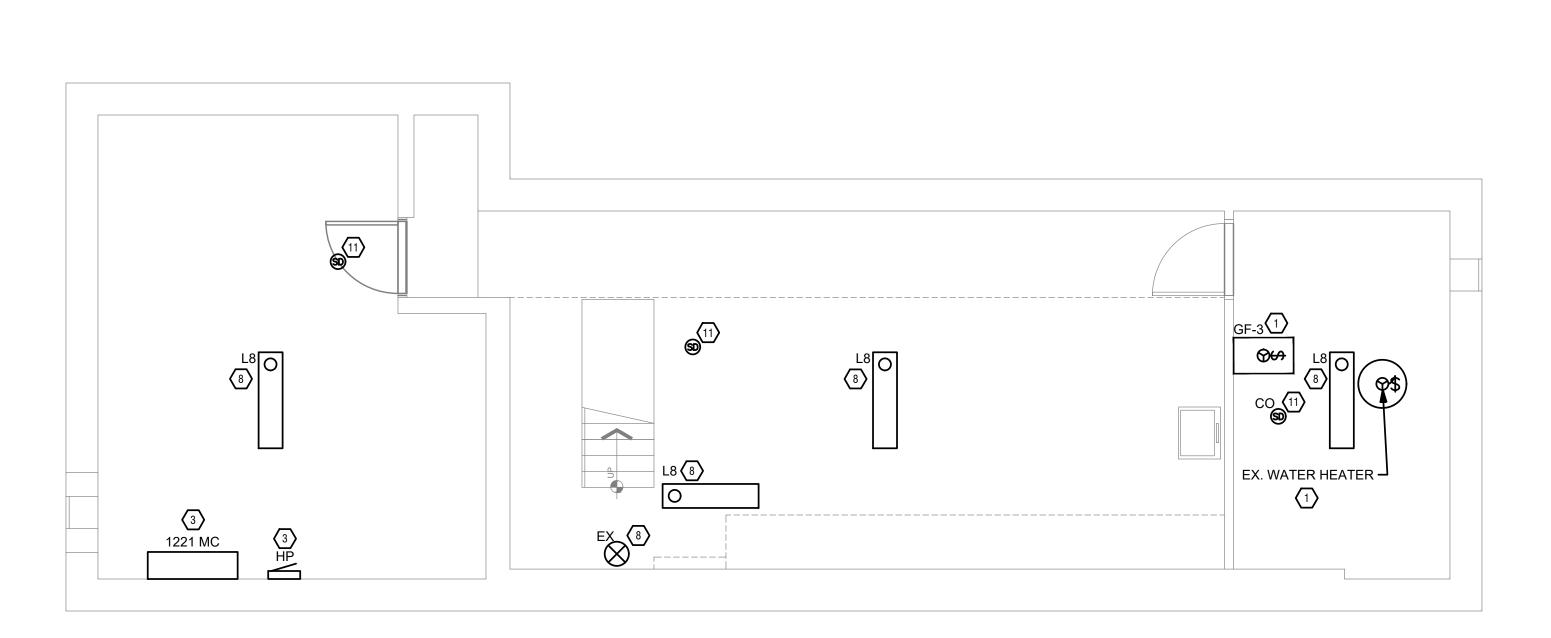
|          | FAN SCHEDULE                                        |             |              |            |        |     |      |       |      |            |          |        |       |  |
|----------|-----------------------------------------------------|-------------|--------------|------------|--------|-----|------|-------|------|------------|----------|--------|-------|--|
| TAG      | TYPE                                                | AREA SERVED | MANUFACTURER | MODEL      | DRIVE  | CFM | ESP  | WATTS | RPM  | VOLT/PHASE | MOUNTING | WEIGHT | NOTES |  |
| E-1      | EXHAUST                                             | TOILET      | PANASONIC    | FV-0511VK2 | DIRECT | 50  | 0.25 | 6.2   | 1054 | 120/60/1   | CEILING  | 12     | 1,2   |  |
|          | 1. FV-WCCS1-W CONDENSATION SENSOR PLUS WALL SWITCH. |             |              |            |        |     |      |       |      |            |          |        |       |  |
| 2. PC-RE | 2. PC-RD05C5 RADIATION DAMPER.                      |             |              |            |        |     |      |       |      |            |          |        |       |  |

#### INDOOR FURNACE SYSTEM SCHEDULE



**GENERAL NOTES-OVERA** ELECTRICAL DEVICE SCHEDULE A. EBS DRAWINGS INDICATE DESIGN INTENT AN OUTLETS DRYER NOTES LOCATION SWITCHES GFI CONDITIONS ARISE IN THE FIELD THAT REQU DRAWINGS IT IS ASSUMED THAT THE CONTRA LIVING ROOM 20 1,3 0 APPROPRIATE DEVIATION WITH APPROVAL F g AVAILABLE TO ASSIST WHEN REQUIRED IF IS KITCHEN 15 1,3 8 8  $\cap$ 1,3 HALL 4 g 0 BATHROOM 1,2 0 2 BEDROOM(1 1,2 SCOPE OF WORK 8 - 3 0 BEDROOM (2) 1,2 5 1 RENOVATION OF AN EXISTING MULTIFAMILY BUIL BEDROOM (3 1,2 0 -5 ELECTRICAL SYSTEMS THAT REMAIN ARE IN GOO STAIRS 1,3 1 1 0 REPLACEMENTS OR REPAIRS TO BE COORDINAT BASEMENT 0 4 1,3 OWNER. REPLACE LIGHT FIXTURES, RECEPTACLE PLATES AS REQUIRED. NO ADDED ELECTRICAL LO RANGE 1,3 4 \* EBS TAKES NO RESPONSIBILITY FOR THE QUANTITIES SHOWN ABOVE GENERAL NOTES-LIGHTI THE QUANTITIES SHOWN ON SCHEDULE ARE FOR BIDDING PURPOSES ONLY AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A TOTAL COUNT TO THE GC PRIOR TO START OF PROVIDE HOLD-ON-TYPE BREAKERS FOR EGI A. WORK. AFTER THE FINAL COUNTS ARE DETERMINED BY THE CONTRACTOR, HE SHALL PROVIDE CIRCUITS. WIRE ALL EGRESS/EMERGENCY F CREDIT, OR CONTRACTOR SHALL PROVIDE UNIT COST FOR EACH ADDITIONAL ITEM AT BID. SWITCHING.

2. THE QUANTITES SHOWN ARE FOR A SINGLE ROOM. 3. THE QUANTITIES SHOWN ARE FOR ENTIRE BUILDING.





18, 2022-1:19pm --RED TO DEMONS<sup>-</sup> LIS METHODS ANI uawg-EBS. Plot Date/Time WINGS HAVE BEEN PF LE TO ENSURF тилт № aumerts\12213adrekserr\9204=6JandateCTRICALangower-BASEMENT-PLAY ZED TO BE USED AS CONTRACT DOCUMENTS. THESE DRA DMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIB CC2 Diractories 3200=3299 3204 Model 2044 Nove DRAWINGS AND SPECIFICATIONS ARE N ICTION WITH INFORMATION TO DETERMI

| GENERAL NOTES-OVERALL PROJECT                                                                                                                                                                                                                                                                                                                                              | GENERAL NOTES-POWER                                                                                                                                                                                                                                                                                                                                                                                                                   | GENERAL NOTES-DWELLING UNITS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. EBS DRAWINGS INDICATE DESIGN INTENT AND REQUIRED OUTCOMES. IF<br>CONDITIONS ARISE IN THE FIELD THAT REQUIRE DEVIATIONS FROM THE<br>DRAWINGS IT IS ASSUMED THAT THE CONTRACTOR WILL DETERMINE THE<br>APPROPRIATE DEVIATION WITH APPROVAL FROM THE OWNER. EBS IS<br>AVAILABLE TO ASSIST WHEN REQUIRED IF ISSUES ARISE.                                                    | <ul> <li>A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL NEW CONDUIT/CABLE<br/>ROUTING WHERE APPLICABLE. COORDINATE ROUTING WITH ALL OTHER<br/>TRADES AND BUILDING CONDITIONS.</li> <li>B. ALL ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN WITH NO<br/>ADDED LOADS.</li> <li>C. PROVIDE MOTOR STARTERS FOR EQUIPMENT AS INDICATED ON DRAWINGS.<br/>COORDINATE ANY INTERLOCKING WIRING WITH HVAC CONTRACTOR AND</li> </ul> | <ul> <li>A. PROVIDE AFCI PROTECTION IN ACCORDANCE WITH NEC 210.12. AFCI<br/>PROTECTION MUST BE PROVIDED WHERE EXISTING BRANCH CIRCUIT WIRING<br/>IS MODIFIED, OR RECEPTACLES ARE REPLACED, IN ACCORDANCE WITH NEC<br/>AND LOCAL ELECTRICAL INSPECTION REQUIREMENTS. REFER TO NEC 406.4<br/>(D) AND NEC 210.12 (D)</li> <li>B. FURNISH AND INSTALL SMOKE DETECTORS AS REQUIRED BY CODE. SMOKE<br/>DETECTORS SHOWN ON EBS DRAWINGS ARE INTENDED TO CONVEY<br/>GENERAL COMPLIANCE FOR BUILDING DEPARTMENT SUBMITTALS. PROVIDE</li> </ul> |
| COPE OF WORK                                                                                                                                                                                                                                                                                                                                                               | PROVIDE WIRING, COILS, AND AUXILIARY CONTACTS AS NECESSARY. SIZE ALL CIRCUITS FOR ACTUAL EQUIPMENT TO BE CONNECTED.                                                                                                                                                                                                                                                                                                                   | SAME TYPE SMOKE DETECTORS AS EXISTING SMOKE DETECTORS IN SAME LOCATION. SMOKE DETECTORS SHALL BE HARD WIRED WITH BATTERY                                                                                                                                                                                                                                                                                                                                                                                                              |
| RENOVATION OF AN EXISTING MULTIFAMILY BUILDING. VERIFY THAT ALL<br>ELECTRICAL SYSTEMS THAT REMAIN ARE IN GOOD WORKING ORDER, ANY<br>REPLACEMENTS OR REPAIRS TO BE COORDINATED WITH ARCHITECT AND<br>OWNER. REPLACE LIGHT FIXTURES, RECEPTACLES, SWITCHES, AND COVER<br>PLATES AS REQUIRED. NO ADDED ELECTRICAL LOAD ON THIS PROJECT.                                       | <ul> <li>D. ALL PANELS AND DISCONNECTS LOCATED OUTDOORS SHALL BE LABELED<br/>NEMA 3R.</li> <li>E. ROOF MOUNTED AND OUTDOOR EQUIPMENT SHALL HAVE 120V RECEPTACLE<br/>MOUNTED WITHIN 25' OF EACH PIECE. RECEPTACLES SHALL BE IN WEATHER<br/>PROOF BOX AND HAVE GFCI PROTECTION.</li> <li>F. FOR ITEMS FURNISHED BY OTHER TRADES, ELECTRICAL CONTRACTOR TO</li> </ul>                                                                    | <ul> <li>BACK-UP IF EXISTING WIRING PRESENT. FIRE ALARM AND/OR SMOKE<br/>DETECTOR SYSTEMS ARE FURNISHED ON A DESIGN-BUILD BASIS BY THE<br/>ELECTRICIAN.</li> <li>C. WHERE CIRCUITING IS SHOWN TYPICAL FOR MULTIPLE UNITS, COORDINATE<br/>BREAKER/WIRE SIZES FOR EQUIPMENT FURNISHED BY OTHERS WITH SHOP<br/>DRAWINGS PROVIDED BY THE CONTRACTOR SUPPLYING THE EQUIPMENT.<br/>VERIFY BREAKER/WIRE SIZES FOR EQUIPMENT OR APPLIANCE FOR EACH</li> </ul>                                                                                 |
| GENERAL NOTES-LIGHTING                                                                                                                                                                                                                                                                                                                                                     | FULLY COORDINATE ELECTRICAL REQUIREMENTS WITH ACTUAL EQUIPMENT<br>BEING CONNECTED PRIOR TO INSTALLATION. ALL WIRING AND<br>DISCONNECTING MEANS ARE EXISTING TO REMAIN. FIELD VERIFY THAT ALL                                                                                                                                                                                                                                          | <ul> <li>UNIT PRIOR TO ROUGH-IN.</li> <li>D. PROVIDE CONDUIT AND PULL STRING TO APPROVED LOCATION FOR VOICE,<br/>DATA, AND CATV CABLES.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |
| A. PROVIDE HOLD-ON-TYPE BREAKERS FOR EGRESS/EMERGENCY LIGHTING<br>CIRCUITS. WIRE ALL EGRESS/EMERGENCY FIXTURES AHEAD OF ANY LOCAL<br>SWITCHING.                                                                                                                                                                                                                            | ELECTRICAL EQUIPMENT AND WIRING IS IN GOOD WORKING ORDER,<br>COORDINATE REPAIRS AND REPLACEMENTS WITH OWNER AND ARCHITECT.<br>G. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR NEW DEVICE MOUNTING<br>HEIGHTS AND LOCATIONS.                                                                                                                                                                                                          | <ul> <li>E. CIRCUITING ON DRAWINGS AND PANEL SCHEDULE IS SHOWN TYPICAL FOR<br/>SIMILAR UNITS. REFER TO DWELLING UNIT LOAD SUMMARIES FOR<br/>INDIVIDUAL DWELLING UNIT LOAD CALCULATIONS</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
| <ul> <li>B. LIGHT FIXTURES CONTROLLED BY SWITCH IN SAME ROOM UNLESS<br/>OTHERWISE NOTED.</li> <li>C. WHERE DIMMERS AND/OR DIMMING SYSTEMS ARE REQUIRED, CONTRACTOR<br/>TO FURNISH DIMMERS THAT ARE COMPATIBLE WITH FIXTURE SOURCE AND<br/>RATED FOR THE WATTAGE OF THE DIMMING ZONE. PROVIDE ADDITIONAL<br/>DIMMERS AS REQUIRED TO MEET ZONE LOAD REQUIREMENTS.</li> </ul> | H. CONTRACTOR TO FIELD VERIFY THAT ALL ELECTRICAL EQUIPMENT HAS<br>REQUIRED GROUNDING AND BONDING PER NEC 250. GROUNDING AND<br>BONDING IS CONSIDERED MEANS AND METHODS OF CONSTRUCTION, AND<br>SHOULD BE COMPLETED BY THE ELECTRICAL CONTRACTOR IF REQUIRED, IN<br>ACCORDANCE WITH NEC 250. GAS PIPING SYSTEMS MUST BE BONDED PER<br>UTILITY PROVIDER'S INSTALLATION GUIDELINES WHERE REQUIRED.                                      | F. COORDINATE RECEPTACLE, PHONE, AND TV DEVICE PLACEMENT WITH<br>FURNITURE LOCATIONS. VERIFY WITH ARCHITECT PRIOR TO ROUGH IN.<br>LOCATIONS SHOWN ON DRAWINGS ARE INTENDED TO CONVEY DESIGN<br>INTENT, AND DEMONSTRATE GENERAL COMPLIANCE WITH CODE. WHERE<br>ACTUAL STUD LOCATIONS REQUIRE DEVICE LOCATIONS TO BE<br>ADJUSTED, ADDED OR MINOR VARIATIONS AMONG UNITS THAT ARE SHOWN<br>AS "TYPICAL", ETC. OCCUR, CONTRACTOR, UNDER HIS BASE BID, TO MAKE<br>NECESSARY ADJUSTMENTS / ADDITIONS IN THE FIELD TO MAINTAIN NEC           |
|                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                       | DWELLING UNIT RECEPTACLE SPACING REQUIREMENTS. WHERE ACTUAL<br>WINDOW CONSTRUCTION PROHIBITS THE INSTALLATION OF A WALL                                                                                                                                                                                                                                                                                                                                                                                                               |

G. LIGHTING INSTALLED IN CLOTHES CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH NEC 410.16. H. REPLACE EXISTING MECHANICAL CLOSET LIGHT FIXTURE WITH NEW (L7) WHERE CLOSET CONTAINS A FIXTURE. PROVIDE A LINE-ITEM PRICE FOR THE

RECEPTACLE, PROVIDE FLOOR RECEPTACLE WITHIN 18 INCHES OF THE BASE

OF THE WALL. PROVIDE TAMPER PROOF RECEPTACLES AS REQUIRED BY

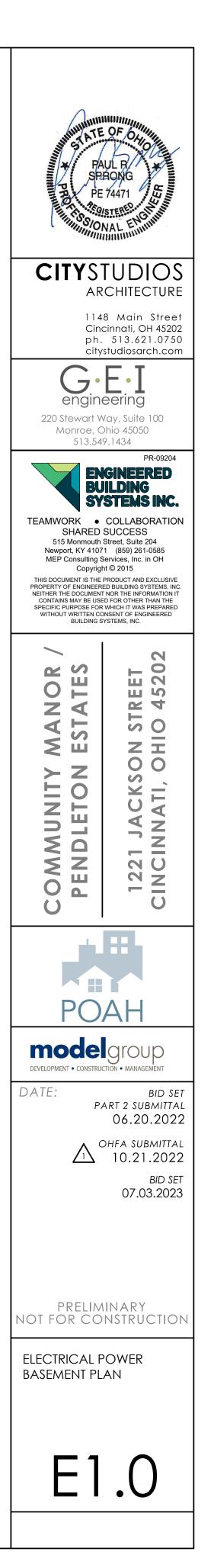
NEC ART. 406.12.

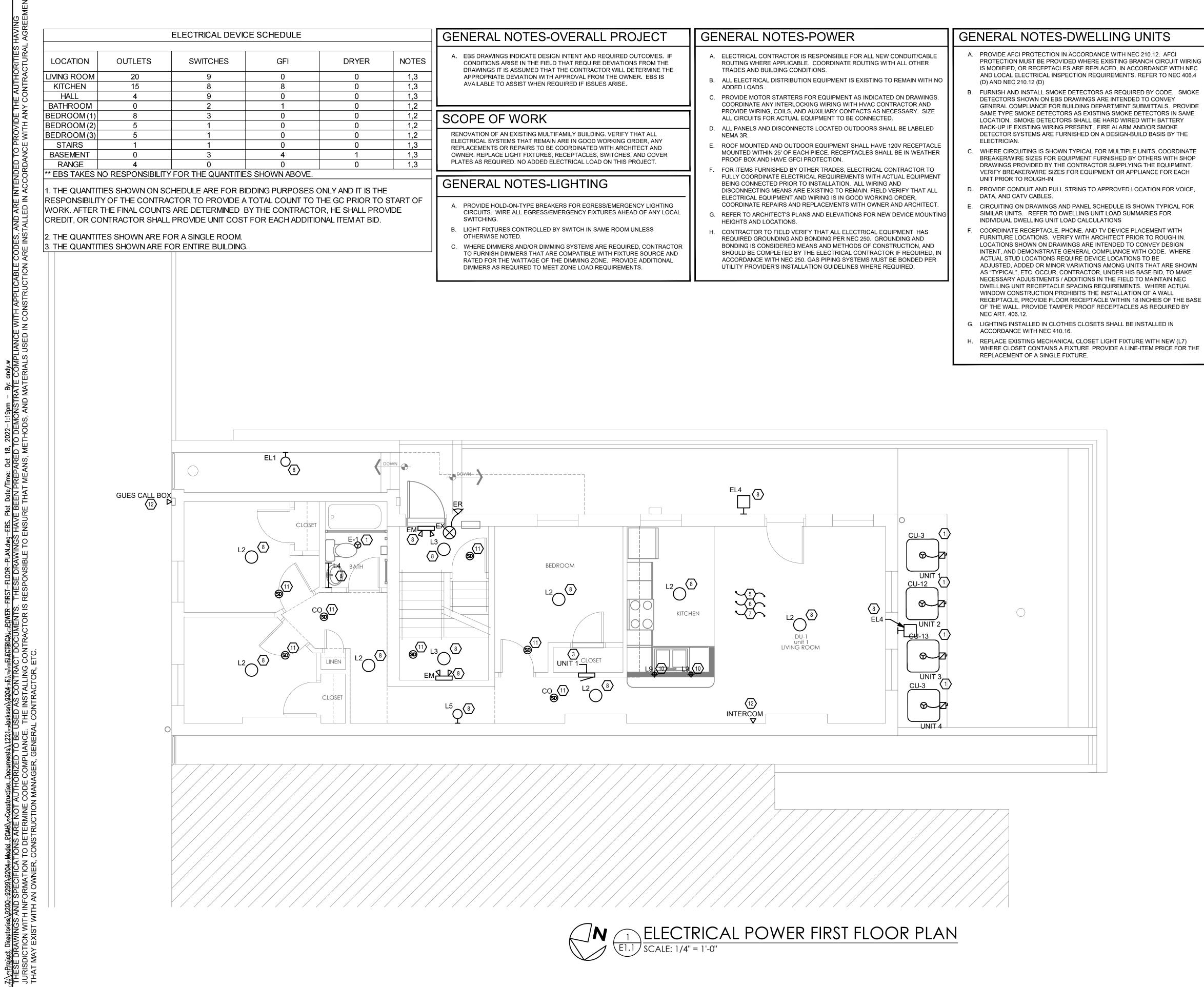
REPLACEMENT OF A SINGLE FIXTURE.

## ELECTRICAL POWER BASEMENT PLAN SCALE: 1/4" = 1'-0"

#### ✓ KEYED SHEET NOTES

- REPLACEMENT MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR. DISCONNECT AND RECONNECT ELECTRICAL CONNECTION AS REQUIRED. VERIFY THAT ELECTRICAL REQUIREMENTS MATCH EXISTING CONDITIONS. FIELD VERIFY THAT WIRING AND ELECTRICAL CONNECTIONS ARE IN GOOD WORKING ORDER, COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 2. EXISTING PLUMBING EQUIPMENT TO REMAIN. VERIFY THAT ALL ELECTRICAL CONNECTIONS AND WIRING ARE IN GOOD WORKING ORDER. COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 3. LOCATION OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT TO REMAIN. FIELD VERIFY THAT EQUIPMENT IS IN GOOD WORKING ORDER, COORDINATE ANY REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 4. REPLACE WASHER AND DRYER RECEPTACLES AND COVER PLATES WITH NEW RECEPTACLES. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 5. REPLACE EXISTING RECEPTACLES, GFCI RECEPTACLES AND COVER PLATES. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 6. REPLACE EXISTING LIGHT SWITCHES AND COVER PLATES. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 7. REPLACE EXISTING TV, CABLE, AND DATA COVER PLATE OUTLETS.
- 8. REPLACE EXISTING LIGHT FIXTURE WITH NEW LIGHT FIXTURE, NEW LIGHT FIXTURE ADDS NO ELECTRICAL LOAD. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 9. NEW LIGHT FIXTURE TO BE CIRCUITED TO CLOSEST EXISTING SWITCH IN SAME ROOM, LIGHT FIXTURE IS ON GENERAL LIGHTING CIRCUIT WITH NO ADDED LOAD. COORDINATE FINAL LOCATION AND ROUTING OF WIRING WITH ARCHITECT AND GENERAL CONTRACTOR.
- 10. NEW PENDANT LIGHT FIXTURES TO BE INSTALLED AT EXISTING JUNCTION BOX IN CEILING, FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 11. REPLACE EXISTING SMOKE DETECTORS WITH NEW SMOKE DETECTORS AND CO COMBINATION SMOKE DETECTORS WHERE APPLICABLE.
- 12. EXISTING INTERCOM SYSTEM TO BE REPLACED, COORDINATE NEW SYSTEM WITH OWNER AND ARCHITECT. FIELD VERIFY THAT EXISTING WIRING IS IN GOOD WORKING ORDER, COORDINATE ANY REPLACEMENTS WITH OWNER AND ARCHITECT.
- 13. EXISTING SUMP PUMP TO BE REPLACED, COORDINATE DISCONNECTING OF EXISTING AND RECONNECTING OF NEW SUMP PUMP WITH PLUMBING CONTRACTOR. VERIFY THAT ALL EXISTING WIRING AND ELECTRICAL DISCONNECTING MEANS ARE IN GOOD WORKING ORDER. COORDINATE ANY REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 14. EXISTING LIGHT FIXTURE TO REMAIN. VERIFY THAT FIXTURE IS IN GOOD WORKING ORDER, REPAIR OR REPLACE AS REQUIRED WITH LIKE FIXTURE. 15. INSTALL NEW LIGHT FIXTURE AT LOCATION SHOWN AND CIRCUIT TO LOCAL
- LIGHTING CIRCUIT. NO ADDED ELECTRICAL LOAD. 16. PROVIDE AUDIBLE AND VISUAL SMOKE DETECTOR DEVICES.
- 17. PROVIDE SEPARATE STROBE, TO BE INSTALLED IN BATHROOM AND INTERCONNECTED IN PARALLEL TO LOCAL UNIT SMOKE DETECTOR
- 18. INSTALL HARDWIRED DOORBELL. NOTIFIER INSIDE UNIT SHALL BE BOTH AUDIBLE AND VISUAL. EDWARDS CFA SERIES (6536-G5) HORNSTROBE, 600 SERIES BUTTON, AND 590 SERIES TRANSFORMER OR EQUAL. CIRCUIT TO LOCAL GENERAL LIGHTING LOAD CIRCUIT, NO ADDED LOAD ON PANEL.





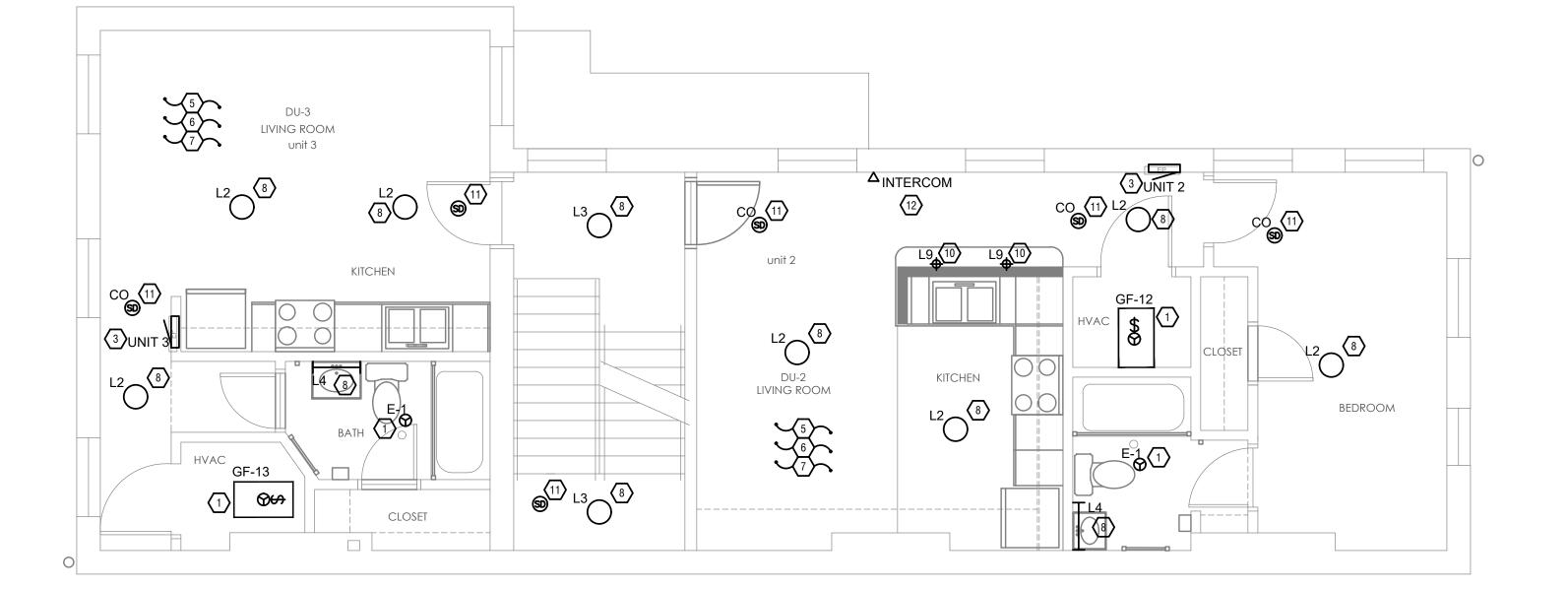
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- NEW LIGHT FIXTURE TO BE CIRCUITED TO CLOSEST EXISTING SWITCH IN SAME ROOM. LIGHT FIXTURE IS ON GENERAL LIGHTING CIRCUIT WITH NO ADDED LOAD. COORDINATE FINAL LOCATION AND ROUTING OF WIRING WITH ARCHITECT AND GENERAL CONTRACTOR.
- 10. NEW PENDANT LIGHT FIXTURES TO BE INSTALLED AT EXISTING JUNCTION BOX IN CEILING. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
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- 12. EXISTING INTERCOM SYSTEM TO BE REPLACED, COORDINATE NEW SYSTEM WITH OWNER AND ARCHITECT. FIELD VERIFY THAT EXISTING WIRING IS IN GOOD WORKING ORDER, COORDINATE ANY REPLACEMENTS WITH OWNER AND ARCHITECT.
- 13. EXISTING SUMP PUMP TO BE REPLACED, COORDINATE DISCONNECTING OF EXISTING AND RECONNECTING OF NEW SUMP PUMP WITH PLUMBING CONTRACTOR. VERIFY THAT ALL EXISTING WIRING AND ELECTRICAL DISCONNECTING MEANS ARE IN GOOD WORKING ORDER. COORDINATE ANY REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 14. EXISTING LIGHT FIXTURE TO REMAIN. VERIFY THAT FIXTURE IS IN GOOD WORKING ORDER, REPAIR OR REPLACE AS REQUIRED WITH LIKE FIXTURE. 15. INSTALL NEW LIGHT FIXTURE AT LOCATION SHOWN AND CIRCUIT TO LOCAL
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- 17. PROVIDE SEPARATE STROBE, TO BE INSTALLED IN BATHROOM AND INTERCONNECTED IN PARALLEL TO LOCAL UNIT SMOKE DETECTOR
- 18. INSTALL HARDWIRED DOORBELL. NOTIFIER INSIDE UNIT SHALL BE BOTH AUDIBLE AND VISUAL. EDWARDS CFA SERIES (6536-G5) HORNSTROBE, 600 SERIES BUTTON, AND 590 SERIES TRANSFORMER OR EQUAL. CIRCUIT TO LOCAL GENERAL LIGHTING LOAD CIRCUIT, NO ADDED LOAD ON PANEL.



ELECTRICAL DEVICE SCHEDULE GENERAL NOTES-OVERALL PROJECT EBS DRAWINGS INDICATE DESIGN INTENT AND REQUIRED OUTCOMES. IF OUTLETS DRYER NOTES LOCATION SWITCHES GFI CONDITIONS ARISE IN THE FIELD THAT REQUIRE DEVIATIONS FROM THE DRAWINGS IT IS ASSUMED THAT THE CONTRACTOR WILL DETERMINE THE LIVING ROOM 20 1,3 0 APPROPRIATE DEVIATION WITH APPROVAL FROM THE OWNER. EBS IS g AVAILABLE TO ASSIST WHEN REQUIRED IF ISSUES ARISE. KITCHEN 15 1,3 8 8 0 HALL 4 1,3 0 BATHROOM 1,2 0 BEDROOM ( 1,2 SCOPE OF WORK 8 3 0 BEDROOM (2) 1,2 RENOVATION OF AN EXISTING MULTIFAMILY BUILDING. VERIFY THAT ALL BEDROOM (3 1,2 ELECTRICAL SYSTEMS THAT REMAIN ARE IN GOOD WORKING ORDER, ANY 1,3 STAIRS 0 REPLACEMENTS OR REPAIRS TO BE COORDINATED WITH ARCHITECT AND BASEMENT 1,3 OWNER. REPLACE LIGHT FIXTURES, RECEPTACLES, SWITCHES, AND COVER 0 4 PLATES AS REQUIRED. NO ADDED ELECTRICAL LOAD ON THIS PROJECT. RANGE 1,3 4 EBS TAKES NO RESPONSIBILITY FOR THE QUANTITIES SHOWN ABOVE GENERAL NOTES-LIGHTING THE QUANTITIES SHOWN ON SCHEDULE ARE FOR BIDDING PURPOSES ONLY AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A TOTAL COUNT TO THE GC PRIOR TO START OF PROVIDE HOLD-ON-TYPE BREAKERS FOR EGRESS/EMERGENCY LIGHTING

> SWITCHING. B. LIGHT FIXTURES CONTROLLED BY SWITCH IN SAME ROOM UNLESS OTHERWISE NOTED.

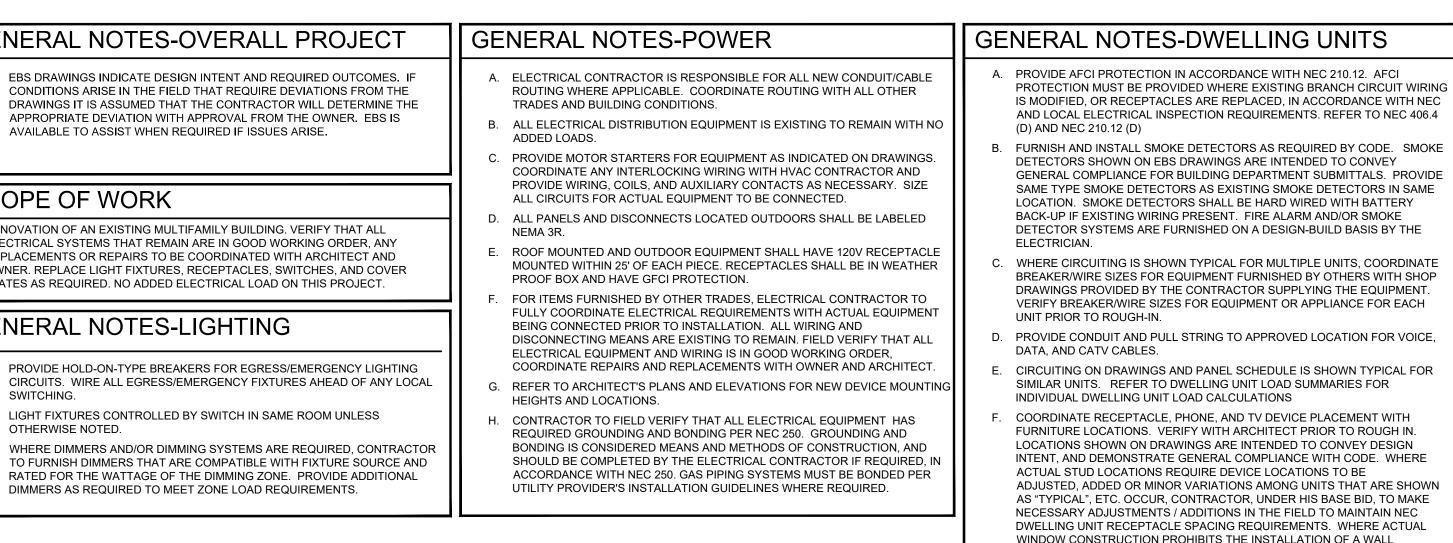
WHERE DIMMERS AND/OR DIMMING SYSTEMS ARE REQUIRED, CONTRACTOR TO FURNISH DIMMERS THAT ARE COMPATIBLE WITH FIXTURE SOURCE AND RATED FOR THE WATTAGE OF THE DIMMING ZONE. PROVIDE ADDITIONAL DIMMERS AS REQUIRED TO MEET ZONE LOAD REQUIREMENTS.





WORK. AFTER THE FINAL COUNTS ARE DETERMINED BY THE CONTRACTOR, HE SHALL PROVIDE CREDIT, OR CONTRACTOR SHALL PROVIDE UNIT COST FOR EACH ADDITIONAL ITEM AT BID.

. THE QUANTITES SHOWN ARE FOR A SINGLE ROOM. 3. THE QUANTITIES SHOWN ARE FOR ENTIRE BUILDING.



G. LIGHTING INSTALLED IN CLOTHES CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH NEC 410.16. H. REPLACE EXISTING MECHANICAL CLOSET LIGHT FIXTURE WITH NEW (L7) WHERE CLOSET CONTAINS A FIXTURE. PROVIDE A LINE-ITEM PRICE FOR THE REPLACEMENT OF A SINGLE FIXTURE

RECEPTACLE, PROVIDE FLOOR RECEPTACLE WITHIN 18 INCHES OF THE BASE

OF THE WALL. PROVIDE TAMPER PROOF RECEPTACLES AS REQUIRED BY

NEC ART. 406.12.

## ELECTRICAL POWER SECOND FLOOR PLAN SCALE: 1/4" = 1'-0"

- REPLACEMENT MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR. DISCONNECT AND RECONNECT ELECTRICAL CONNECTION AS REQUIRED. VERIFY THAT ELECTRICAL REQUIREMENTS MATCH EXISTING CONDITIONS. FIELD VERIFY THAT WIRING AND ELECTRICAL CONNECTIONS ARE IN GOOD WORKING ORDER, COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 2. EXISTING PLUMBING EQUIPMENT TO REMAIN. VERIFY THAT ALL ELECTRICAL CONNECTIONS AND WIRING ARE IN GOOD WORKING ORDER. COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 3. LOCATION OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT TO REMAIN. FIELD VERIFY THAT EQUIPMENT IS IN GOOD WORKING ORDER, COORDINATE ANY REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
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- 10. NEW PENDANT LIGHT FIXTURES TO BE INSTALLED AT EXISTING JUNCTION BOX IN CEILING. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
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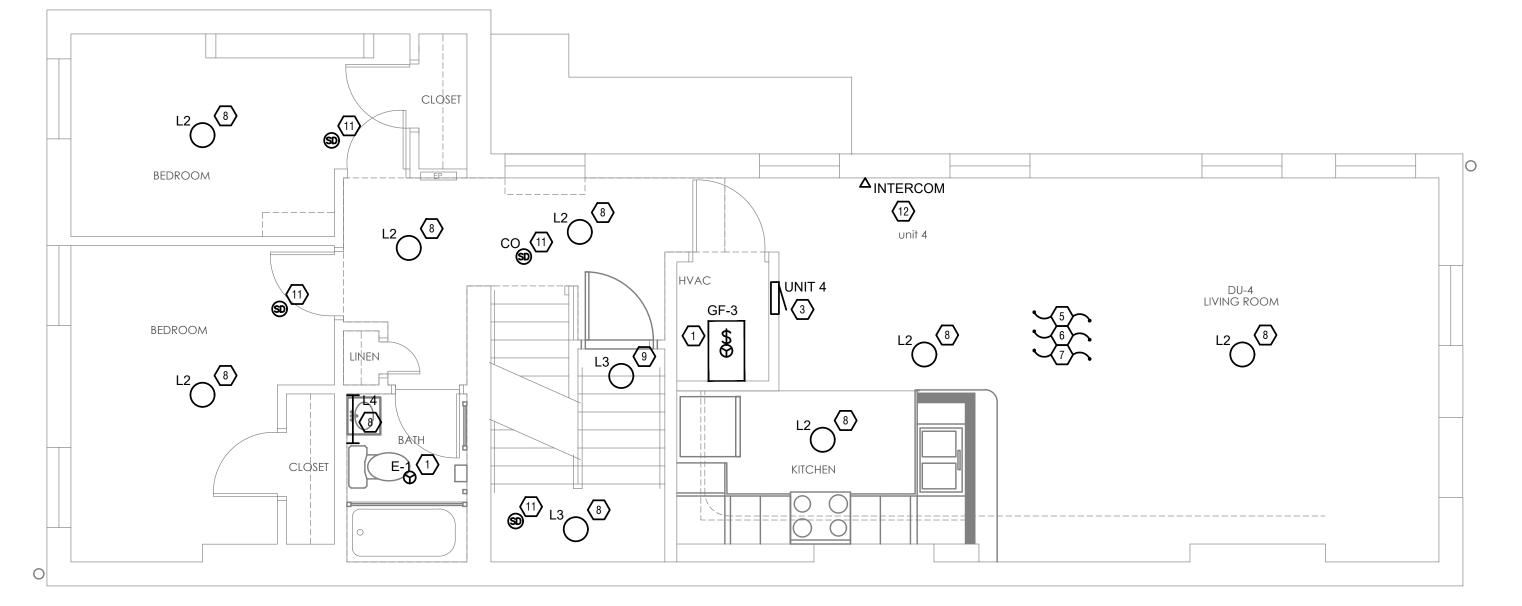
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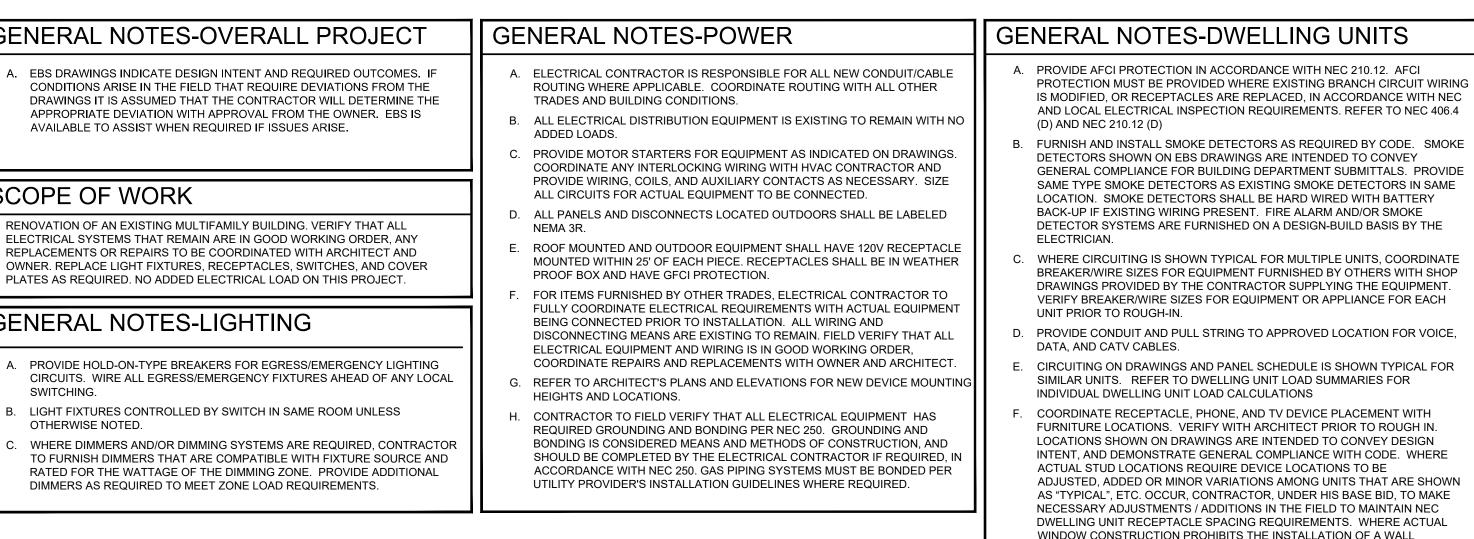
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SWITCHING







ACCORDANCE WITH NEC 410.16. H. REPLACE EXISTING MECHANICAL CLOSET LIGHT FIXTURE WITH NEW (L7) WHERE CLOSET CONTAINS A FIXTURE. PROVIDE A LINE-ITEM PRICE FOR THE REPLACEMENT OF A SINGLE FIXTURE.

G. LIGHTING INSTALLED IN CLOTHES CLOSETS SHALL BE INSTALLED IN

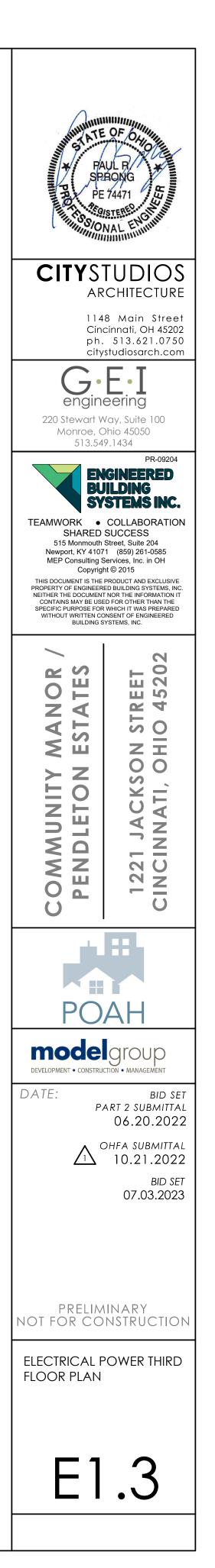
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NEC ART, 406,12.

## ELECTRICAL POWER THIRD FLOOR PLAN SCALE: 1/4" = 1'-0"

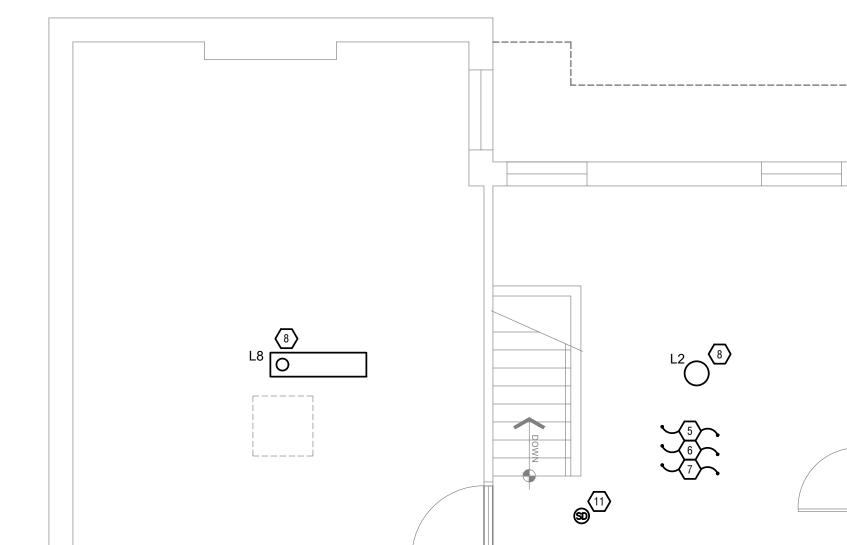
- REPLACEMENT MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR. DISCONNECT AND RECONNECT ELECTRICAL CONNECTION AS REQUIRED. VERIFY THAT ELECTRICAL REQUIREMENTS MATCH EXISTING CONDITIONS. FIELD VERIFY THAT WIRING AND ELECTRICAL CONNECTIONS ARE IN GOOD WORKING ORDER, COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 2. EXISTING PLUMBING EQUIPMENT TO REMAIN. VERIFY THAT ALL ELECTRICAL CONNECTIONS AND WIRING ARE IN GOOD WORKING ORDER. COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 3. LOCATION OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT TO REMAIN. FIELD VERIFY THAT EQUIPMENT IS IN GOOD WORKING ORDER, COORDINATE ANY REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- REPLACE WASHER AND DRYER RECEPTACLES AND COVER PLATES WITH NEW RECEPTACLES. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- REPLACE EXISTING RECEPTACLES, GFCI RECEPTACLES AND COVER PLATES. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- REPLACE EXISTING LIGHT SWITCHES AND COVER PLATES. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 7. REPLACE EXISTING TV, CABLE, AND DATA COVER PLATE OUTLETS.
- REPLACE EXISTING LIGHT FIXTURE WITH NEW LIGHT FIXTURE, NEW LIGHT FIXTURE ADDS NO ELECTRICAL LOAD. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- NEW LIGHT FIXTURE TO BE CIRCUITED TO CLOSEST EXISTING SWITCH IN SAME ROOM, LIGHT FIXTURE IS ON GENERAL LIGHTING CIRCUIT WITH NO ADDED LOAD. COORDINATE FINAL LOCATION AND ROUTING OF WIRING WITH ARCHITECT AND GENERAL CONTRACTOR.
- 10. NEW PENDANT LIGHT FIXTURES TO BE INSTALLED AT EXISTING JUNCTION BOX IN CEILING. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 11. REPLACE EXISTING SMOKE DETECTORS WITH NEW SMOKE DETECTORS AND CO COMBINATION SMOKE DETECTORS WHERE APPLICABLE.
- 12. EXISTING INTERCOM SYSTEM TO BE REPLACED, COORDINATE NEW SYSTEM WITH OWNER AND ARCHITECT. FIELD VERIEY THAT EXISTING WIRING IS IN GOOD WORKING ORDER, COORDINATE ANY REPLACEMENTS WITH OWNER AND ARCHITECT.
- 13. EXISTING SUMP PUMP TO BE REPLACED, COORDINATE DISCONNECTING OF EXISTING AND RECONNECTING OF NEW SUMP PUMP WITH PLUMBING CONTRACTOR. VERIFY THAT ALL EXISTING WIRING AND ELECTRICAL DISCONNECTING MEANS ARE IN GOOD WORKING ORDER. COORDINATE ANY REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 14. EXISTING LIGHT FIXTURE TO REMAIN. VERIFY THAT FIXTURE IS IN GOOD WORKING ORDER, REPAIR OR REPLACE AS REQUIRED WITH LIKE FIXTURE. 15. INSTALL NEW LIGHT FIXTURE AT LOCATION SHOWN AND CIRCUIT TO LOCAL
- LIGHTING CIRCUIT. NO ADDED ELECTRICAL LOAD. 16. PROVIDE AUDIBLE AND VISUAL SMOKE DETECTOR DEVICES.
- 17. PROVIDE SEPARATE STROBE, TO BE INSTALLED IN BATHROOM AND INTERCONNECTED IN PARALLEL TO LOCAL UNIT SMOKE DETECTOR
- 18. INSTALL HARDWIRED DOORBELL. NOTIFIER INSIDE UNIT SHALL BE BOTH AUDIBLE AND VISUAL. EDWARDS CFA SERIES (6536-G5) HORNSTROBE, 600 SERIES BUTTON, AND 590 SERIES TRANSFORMER OR EQUAL. CIRCUIT TO LOCAL GENERAL LIGHTING LOAD CIRCUIT, NO ADDED LOAD ON PANEL.



GENERAL NOTES-OVERALL PROJECT ELECTRICAL DEVICE SCHEDULE EBS DRAWINGS INDICATE DESIGN INTENT AND REQUIRED OUTCOMES. IF OUTLETS DRYER NOTES LOCATION SWITCHES GFI CONDITIONS ARISE IN THE FIELD THAT REQUIRE DEVIATIONS FROM THE DRAWINGS IT IS ASSUMED THAT THE CONTRACTOR WILL DETERMINE THE LIVING ROOM 20 1,3 0 APPROPRIATE DEVIATION WITH APPROVAL FROM THE OWNER. EBS IS g AVAILABLE TO ASSIST WHEN REQUIRED IF ISSUES ARISE. KITCHEN 15 1,3 8 8 0 HALL 4 1,3 0 BATHROOM 1,2 0 BEDROOM ( 1,2 SCOPE OF WORK 8 3 0 BEDROOM (2) 1,2 RENOVATION OF AN EXISTING MULTIFAMILY BUILDING. VERIFY THAT ALL BEDROOM (3 1,2 ELECTRICAL SYSTEMS THAT REMAIN ARE IN GOOD WORKING ORDER, ANY 1,3 STAIRS 0 REPLACEMENTS OR REPAIRS TO BE COORDINATED WITH ARCHITECT AND BASEMENT 1,3 OWNER. REPLACE LIGHT FIXTURES, RECEPTACLES, SWITCHES, AND COVER 0 4 PLATES AS REQUIRED. NO ADDED ELECTRICAL LOAD ON THIS PROJECT. RANGE 1,3 4 EBS TAKES NO RESPONSIBILITY FOR THE QUANTITIES SHOWN ABOVE GENERAL NOTES-LIGHTING THE QUANTITIES SHOWN ON SCHEDULE ARE FOR BIDDING PURPOSES ONLY AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A TOTAL COUNT TO THE GC PRIOR TO START OF PROVIDE HOLD-ON-TYPE BREAKERS FOR EGRESS/EMERGENCY LIGHTING WORK. AFTER THE FINAL COUNTS ARE DETERMINED BY THE CONTRACTOR, HE SHALL PROVIDE CIRCUITS. WIRE ALL EGRESS/EMERGENCY FIXTURES AHEAD OF ANY LOCAL

SWITCHING. B. LIGHT FIXTURES CONTROLLED BY SWITCH IN SAME ROOM UNLESS OTHERWISE NOTED.

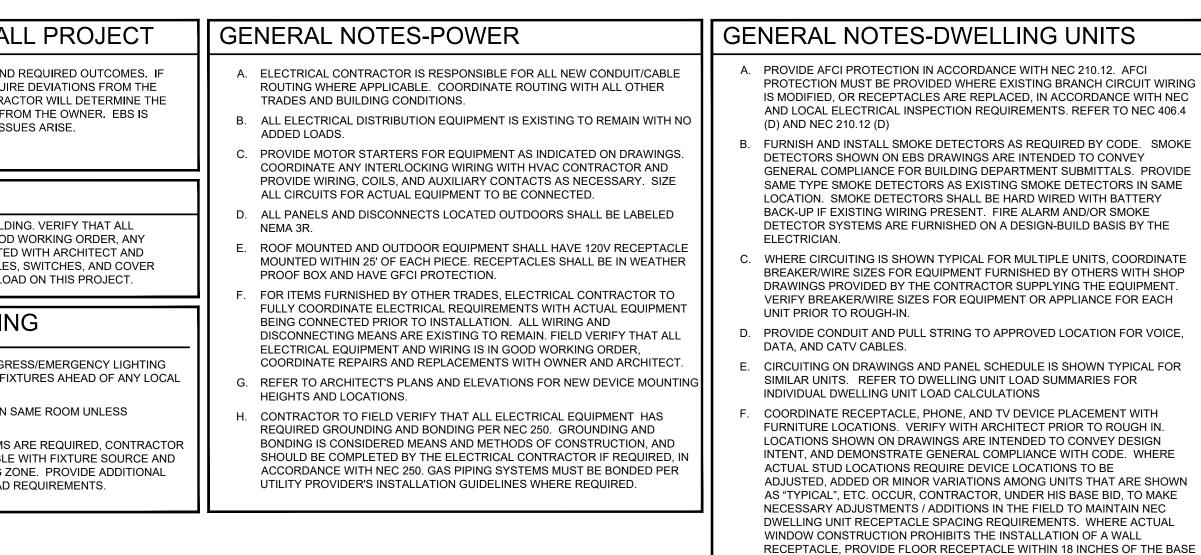
WHERE DIMMERS AND/OR DIMMING SYSTEMS ARE REQUIRED, CONTRACTOR TO FURNISH DIMMERS THAT ARE COMPATIBLE WITH FIXTURE SOURCE AND RATED FOR THE WATTAGE OF THE DIMMING ZONE. PROVIDE ADDITIONAL DIMMERS AS REQUIRED TO MEET ZONE LOAD REQUIREMENTS.





CREDIT, OR CONTRACTOR SHALL PROVIDE UNIT COST FOR EACH ADDITIONAL ITEM AT BID.

. THE QUANTITES SHOWN ARE FOR A SINGLE ROOM. 3. THE QUANTITIES SHOWN ARE FOR ENTIRE BUILDING.

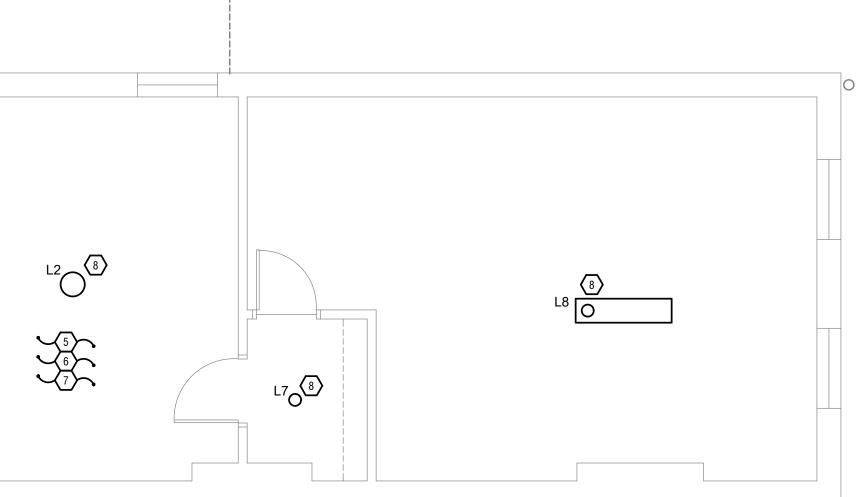


G. LIGHTING INSTALLED IN CLOTHES CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH NEC 410.16. H. REPLACE EXISTING MECHANICAL CLOSET LIGHT FIXTURE WITH NEW (L7)

NEC ART. 406.12.

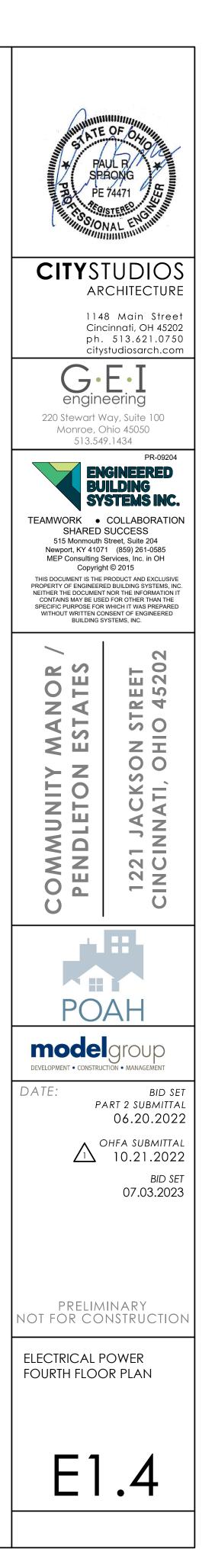
OF THE WALL. PROVIDE TAMPER PROOF RECEPTACLES AS REQUIRED BY

WHERE CLOSET CONTAINS A FIXTURE. PROVIDE A LINE-ITEM PRICE FOR THE REPLACEMENT OF A SINGLE FIXTURE.



## ELECTRICAL POWER FOURTH FLOOR PLAN

- REPLACEMENT MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR. DISCONNECT AND RECONNECT ELECTRICAL CONNECTION AS REQUIRED. VERIFY THAT ELECTRICAL REQUIREMENTS MATCH EXISTING CONDITIONS. FIELD VERIFY THAT WIRING AND ELECTRICAL CONNECTIONS ARE IN GOOD WORKING ORDER, COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 2. EXISTING PLUMBING EQUIPMENT TO REMAIN. VERIFY THAT ALL ELECTRICAL CONNECTIONS AND WIRING ARE IN GOOD WORKING ORDER. COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 3. LOCATION OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT TO REMAIN. FIELD VERIFY THAT EQUIPMENT IS IN GOOD WORKING ORDER, COORDINATE ANY REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- REPLACE WASHER AND DRYER RECEPTACLES AND COVER PLATES WITH NEW RECEPTACLES. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
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- REPLACE EXISTING LIGHT SWITCHES AND COVER PLATES. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 7. REPLACE EXISTING TV, CABLE, AND DATA COVER PLATE OUTLETS.
- REPLACE EXISTING LIGHT FIXTURE WITH NEW LIGHT FIXTURE, NEW LIGHT FIXTURE ADDS NO ELECTRICAL LOAD. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- NEW LIGHT FIXTURE TO BE CIRCUITED TO CLOSEST EXISTING SWITCH IN SAME ROOM, LIGHT FIXTURE IS ON GENERAL LIGHTING CIRCUIT WITH NO ADDED LOAD. COORDINATE FINAL LOCATION AND ROUTING OF WIRING WITH ARCHITECT AND GENERAL CONTRACTOR.
- 10. NEW PENDANT LIGHT FIXTURES TO BE INSTALLED AT EXISTING JUNCTION BOX IN CEILING. FIELD VERIFY THAT WIRING AND HARDWARE IS IN GOOD WORKING ORDER AND REPLACE OR REPAIR AS NECESSARY.
- 11. REPLACE EXISTING SMOKE DETECTORS WITH NEW SMOKE DETECTORS AND CO COMBINATION SMOKE DETECTORS WHERE APPLICABLE.
- 12. EXISTING INTERCOM SYSTEM TO BE REPLACED. COORDINATE NEW SYSTEM WITH OWNER AND ARCHITECT. FIELD VERIFY THAT EXISTING WIRING IS IN GOOD WORKING ORDER, COORDINATE ANY REPLACEMENTS WITH OWNER AND ARCHITECT.
- 13. EXISTING SUMP PUMP TO BE REPLACED, COORDINATE DISCONNECTING OF EXISTING AND RECONNECTING OF NEW SUMP PUMP WITH PLUMBING CONTRACTOR. VERIFY THAT ALL EXISTING WIRING AND ELECTRICAL DISCONNECTING MEANS ARE IN GOOD WORKING ORDER. COORDINATE ANY REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.
- 14. EXISTING LIGHT FIXTURE TO REMAIN. VERIFY THAT FIXTURE IS IN GOOD WORKING ORDER, REPAIR OR REPLACE AS REQUIRED WITH LIKE FIXTURE. 15. INSTALL NEW LIGHT FIXTURE AT LOCATION SHOWN AND CIRCUIT TO LOCAL
- LIGHTING CIRCUIT. NO ADDED ELECTRICAL LOAD. 16. PROVIDE AUDIBLE AND VISUAL SMOKE DETECTOR DEVICES.
- 17. PROVIDE SEPARATE STROBE, TO BE INSTALLED IN BATHROOM AND INTERCONNECTED IN PARALLEL TO LOCAL UNIT SMOKE DETECTOR
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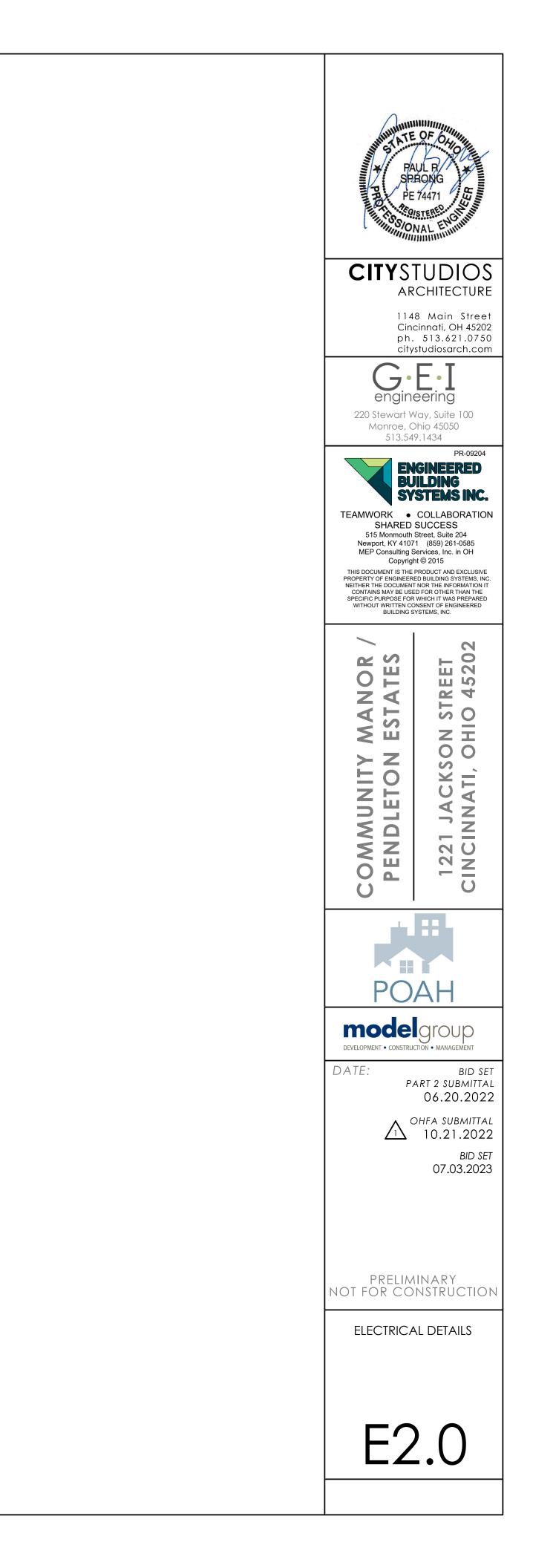


|                                                                                                                                                                                           | ELECTRIC                                           | AL LEGEND                                                                      | *SEE LIGHT FIXTUF                               | RE SCHEDULE FOR FIXTURE TYPES.                  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|--|
| \$                                                                                                                                                                                        |                                                    | СН                                                                             | L5-20R <b>Φ</b>                                 | LOCKING 125V/20 AMP - RECEPTACLE                |  |
| ⊅<br>\$₃                                                                                                                                                                                  | SINGLE POLE LIGHT SWIT                             |                                                                                | L6-20R $\Phi$                                   | LOCKING 250V/20 AMP (1-PHASE) - RECEPTACLE      |  |
|                                                                                                                                                                                           |                                                    |                                                                                | L5-30R $\Phi$                                   | LOCKING 125V/30 AMP - RECEPTACLE                |  |
| \$4<br>¢                                                                                                                                                                                  | FOUR WAY LIGHT SWITCH                              | 1                                                                              | L6-30R $\Phi$                                   | LOCKING 250V/20 AMP (1-PHASE) - RECEPTACLE      |  |
| \$ <sub>D</sub>                                                                                                                                                                           | DIMMER SWITCH                                      |                                                                                | PP                                              | FURNITURE POWER POLE - RECEPTACLE               |  |
| \$fs                                                                                                                                                                                      | FAN SPEED CONTROL                                  |                                                                                |                                                 | FURNITURE RECESSED FLOOR FEED                   |  |
| <b>O</b> DT                                                                                                                                                                               | OCC SENSOR - CEILING -                             |                                                                                |                                                 | FURNITURE WALL FEED                             |  |
|                                                                                                                                                                                           | OCC SENSOR - CEILING -                             |                                                                                | FB                                              | RECESSED FLOOR BOX - MULTI-SERVICE (POWER/DATA) |  |
| \$от<br>Ф                                                                                                                                                                                 | OCC SENSOR - WALL - DU                             |                                                                                | F                                               | RECESSED FLOOR BOX - MOLTI-SERVICE (FOWER/DATA) |  |
|                                                                                                                                                                                           | OCC SENSOR - WALL - PA                             | SSIVE INFRARED                                                                 | AV                                              | RECESSED FLOOR BOX - MULTI-SERVICE W/AV         |  |
| Ф<br>Ф                                                                                                                                                                                    | DUPLEX RECEPTACLE                                  |                                                                                | ,<br>(FT)                                       | RECESSED MULTI-SERVICE POKE THRU                |  |
| USB 🇭                                                                                                                                                                                     | DUPLEX RECEPTACLE W/                               |                                                                                | Ø                                               | SPECIAL CONNECTION                              |  |
|                                                                                                                                                                                           | COUNTER HEIGHT DUPLE                               | XRECEPTACLE                                                                    | Φ                                               |                                                 |  |
| <b>₽</b>                                                                                                                                                                                  | QUAD RECEPTACLE                                    |                                                                                | Φ                                               | SIMPLEX RECEPTACLE<br>EQUIPMENT CONNECTION      |  |
|                                                                                                                                                                                           | COUNTER HEIGHT QUAD                                |                                                                                |                                                 |                                                 |  |
| (CLNG) <b>Φ</b>                                                                                                                                                                           | CEILING (SHOW WINDOW)                              |                                                                                | \$м<br>☐ <b>`</b>                               | MANUAL MOTOR STARTER<br>NON-FUSED DISCONNECT    |  |
| GFCI 🇭                                                                                                                                                                                    | DUPLEX - GFCI RECEPTAG                             |                                                                                |                                                 |                                                 |  |
|                                                                                                                                                                                           | COUNTER HEIGHT DUPLE                               |                                                                                | ∠r<br>⊠'                                        |                                                 |  |
|                                                                                                                                                                                           | SPLIT-WIRED (SWITCHED)                             |                                                                                | _                                               | FUSED DISCONNECT W/MAGNETIC MOTOR STARTER       |  |
|                                                                                                                                                                                           | WEATHER PROOF - GFCI                               |                                                                                |                                                 |                                                 |  |
|                                                                                                                                                                                           | DISHWASHER - GFCI REC                              | EPTECLE                                                                        |                                                 | HOME NETWORK ENCLOSURE                          |  |
|                                                                                                                                                                                           | GARBAGE DISPOSAL                                   |                                                                                |                                                 | SECURITY CAMERA                                 |  |
| мwФ                                                                                                                                                                                       | MICROWAVE RECEPTACL                                | E                                                                              | $\nabla$                                        | DATA LOCATION (RING & STRING, U.N.O)            |  |
|                                                                                                                                                                                           | REFRIGERATOR RECEPTA                               | ACLE                                                                           | ▼<br>_                                          | VOICE DROP - LOCATION                           |  |
|                                                                                                                                                                                           | RANGE - 208-240V/ 1-PHAS                           | SE 50 AMP RECEPTACLE                                                           | ¥                                               | VOICE/DATA DROP - LOCATION                      |  |
|                                                                                                                                                                                           | WASHER - GFCI RECEPTA                              | CLE                                                                            |                                                 | CABLE TV (COAX) - LOCATION                      |  |
|                                                                                                                                                                                           | DRYER - 208-240V/ 1-PHAS                           | E 30 AMP RECEPTACLE                                                            | CR                                              | CARD READER                                     |  |
| à                                                                                                                                                                                         | DUPLEX - MONUMENT FLO                              | OOR BOX                                                                        | DR                                              | DOOR RELEASE - ACCESS CONTROL                   |  |
|                                                                                                                                                                                           |                                                    |                                                                                | DS                                              | DOOR STRIKE - ACCESS CONTROL                    |  |
| Ø                                                                                                                                                                                         | DUPLEX - RECESSED FLO                              | OR BOX                                                                         | ML                                              | MAG-LOCK - ACCESS CONTROL                       |  |
|                                                                                                                                                                                           | PANELBOARD                                         |                                                                                | PS                                              | POSITION SWITCH                                 |  |
|                                                                                                                                                                                           |                                                    | 0 / 10                                                                         | PR                                              | PROXY READER                                    |  |
|                                                                                                                                                                                           | PANELBOARD W/ BU<br>SINGLE LINE DIAGR/             |                                                                                | RE                                              | REQUEST TO EXIT SWITCH                          |  |
|                                                                                                                                                                                           |                                                    |                                                                                |                                                 | WIRELESS INTERNET ACCESS POINT                  |  |
| 3£                                                                                                                                                                                        | TRANSFORMER - SII                                  |                                                                                |                                                 | DOOR HOLD - FIRE ALARM                          |  |
|                                                                                                                                                                                           |                                                    |                                                                                | DSD                                             | DUCT SMOKE DETECTOR                             |  |
| 36                                                                                                                                                                                        | TRANSFORMER W/ (<br>SINGLE LINE DIAGR/             |                                                                                | FACP                                            | FIRE ALARM CONTROL PANEL                        |  |
|                                                                                                                                                                                           |                                                    |                                                                                | FARA                                            | FIRE ALARM REMOTE ANNUNCIATOR                   |  |
| •                                                                                                                                                                                         | PADMOUNT TRANSF                                    | ORMER -                                                                        | (F)                                             | HEAT DETECTOR - FIRE ALARM                      |  |
|                                                                                                                                                                                           |                                                    |                                                                                | HEAT DETECTOR - FIRE ALARM<br>HORN - FIRE ALARM |                                                 |  |
| AUTOMATIC TRANSFER SWITCH (ATS) -<br>SINGLE LINE DIAGRAM                                                                                                                                  |                                                    | 口<br>圆                                                                         |                                                 |                                                 |  |
| <u></u>                                                                                                                                                                                   | SINGLE LINE DIAGR                                  | ואר                                                                            | 60 CO                                           |                                                 |  |
| 0                                                                                                                                                                                         | * METER BASE - SIN                                 | GLE LINE DIAGRAM                                                               |                                                 | COMBINATION SMOKE/CO2 DETECTOR                  |  |
|                                                                                                                                                                                           |                                                    |                                                                                | ଞ                                               | SPEAKER - FIRE ALARM                            |  |
| /                                                                                                                                                                                         | FUSED DISCONNEC                                    | - SINGLE LINE DIAGRAM                                                          | l l l l l l l l l l l l l l l l l l l           |                                                 |  |
|                                                                                                                                                                                           |                                                    |                                                                                | X                                               | STROBE - FIRE ALARM                             |  |
| Ο                                                                                                                                                                                         |                                                    |                                                                                | DB 오                                            | DOOR BELL                                       |  |
|                                                                                                                                                                                           | <b>ч</b>                                           |                                                                                | DC 🗖                                            | DOOR CHIME                                      |  |
|                                                                                                                                                                                           | * CT CABINET - SING                                | LE LINE DIAGRAM                                                                | $\bowtie$                                       | STROBE ONLY                                     |  |
|                                                                                                                                                                                           | J                                                  |                                                                                |                                                 |                                                 |  |
|                                                                                                                                                                                           |                                                    |                                                                                | VED BY LOCAL UTILITY                            | COMPANY PRIOR TO CONSTRUCTION.                  |  |
| ABBREVIATION<br># Number                                                                                                                                                                  | <u>5:</u>                                          | HP Heat Pump<br>HZ Hertz                                                       |                                                 | EXAMPLES:                                       |  |
| Ω Ohm                                                                                                                                                                                     |                                                    | IG Isolated Ground                                                             | Conduit                                         |                                                 |  |
| <ul><li>Φ Phase</li><li>A Amperes</li></ul>                                                                                                                                               |                                                    | IMC Intermediate Metal C<br>KCMIL Thousand Circular N                          |                                                 | - SWITCH GROUP                                  |  |
| AC Alternati<br>A/C Air Cond                                                                                                                                                              | ng Current<br>litioning                            | KVA Kilovolt-Amperes<br>LFMC Liquid Tight Metal C                              | conduit                                         | FUNCTION                                        |  |
| AFCI Arc Faul                                                                                                                                                                             | t Current Interrupter                              | LTG Lighitng                                                                   |                                                 | \$<br>\$                                        |  |
|                                                                                                                                                                                           | lling Unit<br>Interrupting Capacity                | LRA Locked Rotor Ampe<br>MC Metal Clad Cable                                   | res                                             |                                                 |  |
| AL Aluminu                                                                                                                                                                                |                                                    | MCB Main Circuit Breaker<br>MCC Motor Control Cente                            |                                                 | FIXTURE TYPE<br>(SEE SCHEDULE)                  |  |
| ATC Automat                                                                                                                                                                               | ic Temperature Control                             | MLO Main Lug Only                                                              | <i></i>                                         | Switch                                          |  |
| AWG America<br>C Conduit                                                                                                                                                                  | n Wire Gauge                                       | NC Normally Closed<br>NEC National Electrical C                                | Code                                            | A1 a                                            |  |
| CATV Cable Te                                                                                                                                                                             |                                                    | NEMA National Electrical M                                                     | Ianufactures Associatior                        | P1-23                                           |  |
| CB Critical E<br>C/B Circuit B                                                                                                                                                            |                                                    | NFPA National Fire Protect<br>NL Night Lighting (Egree                         |                                                 |                                                 |  |
| CKT Circuit                                                                                                                                                                               | Circuit Television                                 | NO Normally Open<br>NTS Not To Scale                                           | -                                               |                                                 |  |
| CT Current                                                                                                                                                                                | Transformer                                        | P Pole                                                                         |                                                 |                                                 |  |
| CU Condens<br>DC Direct C                                                                                                                                                                 |                                                    | PB Push Button or Pani<br>PNL Panel                                            | ic Button or Pull Box                           | WEATHER PROOF PANEL NAME AND CIRCUIT NUMBER     |  |
| DIA Diamete                                                                                                                                                                               | r                                                  | PWR Power                                                                      |                                                 |                                                 |  |
| EF Exhaust                                                                                                                                                                                |                                                    | QTY Quantity<br>REQ Required                                                   |                                                 | GFCI<br>GFCI<br>GFCI<br>GFCI                    |  |
| ELEV Elevator<br>EM Emerger                                                                                                                                                               |                                                    | RMC Rigid Metal Conduit<br>RNC Rigid Non-Metallic C                            |                                                 | GROUND FAULT PROTECTED ISOLATED GROUND          |  |
| Emerger                                                                                                                                                                                   | I Metallic Tubing                                  | RTU Roof Top Unit                                                              | Jonguit                                         |                                                 |  |
| EMT Electrica                                                                                                                                                                             | ncy Power Off<br>Nater Cooler                      | ST Shunt Trip<br>SW Switch                                                     |                                                 |                                                 |  |
| EMT Electrica<br>EPO Emerger                                                                                                                                                              | Nater Heater                                       | TSTAT Thermostat                                                               |                                                 |                                                 |  |
| EMT Electrica<br>EPO Emerger<br>EWC Electric                                                                                                                                              | m                                                  | TYP Typical<br>UG Underground                                                  |                                                 |                                                 |  |
| EMT Electrica<br>EPO Emerger<br>EWC Electrica<br>EWH Electrica<br>FA Fire Alar                                                                                                            | m Annuciator                                       | UG Underground                                                                 |                                                 |                                                 |  |
| EMTElectricalEPOEmergerEWCElectricalEWHElectricalFAFire AlarFAAFire AlarFLAFull Load                                                                                                      | m Annuciator<br>d Amperes                          | UL Underwriters Labrate                                                        | -                                               |                                                 |  |
| EMT Electrica<br>EPO Emerger<br>EWC Electrica<br>EWH Electrica<br>FA Fire Alar<br>FAA Fire Alar<br>FLA Full Loar<br>FMC Flexible                                                          | m Annuciator<br>d Amperes<br>Metal Conduit         | 0                                                                              | -                                               |                                                 |  |
| EMT Electrica<br>EPO Emerger<br>EWC Electrica<br>EWH Electrica<br>FA Fire Alar<br>FAA Fire Alar<br>FLA Full Load<br>FMC Flexible<br>GF Gas Fur<br>GFCI Ground                             | m Annuciator<br>d Amperes<br>Metal Conduit         | UL Underwriters Labrate<br>UNO Unless Noted Other<br>V Volt<br>VA Volt-Amperes | -                                               |                                                 |  |
| EMT Electrica<br>EPO Emerger<br>EWC Electrica<br>EWH Electrica<br>FA Fire Alar<br>FAA Fire Alar<br>FLA Full Loar<br>FMC Flexible<br>GF Gas Fur<br>GFCI Ground<br>GND Ground<br>GWH Gas Wa | m Annuciator<br>1 Amperes<br>Metal Conduit<br>nace | UL Underwriters Labrate<br>UNO Unless Noted Othern<br>V Volt                   | -                                               |                                                 |  |

HAVING AGREEI THESE DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. THESE DRAWINGS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES, AND ARE INTENDED TO PROVIDE THE AUTHORITIES JURISDICTION WITH INFORMATION TO DETERMINE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLED IN ACCORDANCE WITH ANY CONTRACTURAL THAT MAY EXIST WITH AN OWNER, CONSTRUCTION MANAGER, GENERAL CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLED IN ACCORDANCE WITH ANY CONTRACTURAL THAT MAY EXIST WITH AN OWNER, CONSTRUCTION MANAGER, GENERAL CONTRACTOR, ETC.

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| POAH LUMINAIRE SCHEDULE |           |                |                                         |                                                                          |          |                                                                                                                                                                                            |  |  |
|-------------------------|-----------|----------------|-----------------------------------------|--------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| CALLOUT                 | SYMBOL    | LAMP           | DESCRIPTION                             | MODEL                                                                    | INPUT VA | NOTE                                                                                                                                                                                       |  |  |
| EL1                     | ю         | (1) 27W LED    | EXTERIOR SECURITY LIGHT FIXTURE         | HD SUPPLY - 326111                                                       | 27       |                                                                                                                                                                                            |  |  |
| EL3                     | 0         | (1) 28.06W LED | EXTERIOR DSURFACE MOUNT FIXTURE         | LITHONIA LIGHTING -<br>FMML 13 830 DDBT WL                               | 28.06    |                                                                                                                                                                                            |  |  |
| EL4                     | Ю         | (1) 48W LED    | EXTERIOR WALL PACK                      | LITHONIA LIGHTING - TWP<br>LED ALO 40K                                   | 48       |                                                                                                                                                                                            |  |  |
| EM                      | Ę         | (2) 1.5W LED   | EMERGENCY WALL PACK - W/ 90 MIN. BACKUP | LITHONIA LIGHTING -<br>ELM2L M12                                         | 3        |                                                                                                                                                                                            |  |  |
| EX                      | $\otimes$ | (2) 1W LED     | UNIVERSAL EXIT SIGN - W/ 90 MIN. BACKUP | LITHONIA LIGHTING -<br>EXRG EL (M6 WHERE<br>REMOTE HEADS ARE<br>PRESENT) | 2        | PROVIDE BATTERY<br>CAPACITY FOR REMOTE<br>AS REQ'D                                                                                                                                         |  |  |
| L2                      | 0         | (1) 27W LED    | SURFACE MOUNT LED FIXTURE               | AFX - CAF142400L27D1                                                     | 27       |                                                                                                                                                                                            |  |  |
| L3                      | 0         | (1) 19W LED    | SURFACE MOUNT LED FIXTURE               | HD SUPPLY -<br>LED1102-35-ACR                                            | 19       |                                                                                                                                                                                            |  |  |
| L4                      | щ         | (1) 17W LED    | 2' VANITY LIGHT                         | HD SUPPLY -326710                                                        | 17       |                                                                                                                                                                                            |  |  |
| L5                      | ю         | (1) 15W LED    | WALL SCONCE                             | KICHLER - 11319NILED                                                     | 15       |                                                                                                                                                                                            |  |  |
| L7                      | o         | (1) 14W LED    | LED ROUND DOWNLIGHT                     | PHILIPS LIGHTING -<br>SLIMSURFACE LED<br>S7R827K10WZ10U                  | 14       | REPLACE EXISTING<br>MECHANICAL CLOSET<br>LIGHT FIXTURE WITH NEW<br>(L7) WHERE CLOSET<br>CONTAINS A FIXTURE.<br>PROVIDE A LINE-ITEM<br>PRICE FOR THE<br>REPLACEMENT OF A<br>SINGLE FIXTURE. |  |  |
| L8                      | 0         | (1) 32W LED    | 2X2 LED TROFFER                         | LITHONIA LIGHTING -LBL4<br>LP835                                         | 32       |                                                                                                                                                                                            |  |  |
| L9                      | <b>*</b>  | (1) 17.5W LED  | SURFACE MOUNT CYLINER FIXTURE           | LITHONIA LIGHTING -<br>LDN6CYL 27/15 L06 WR<br>LSS 120V                  | 17.5     |                                                                                                                                                                                            |  |  |



ЮЯТЗА,КХД (24406,8204-26212) «В ССКИСАL-DETAILS.dwg-EBS. Plot D TO BE USED AS CONTRACT DOCUMENTS. THESE DR. PLIANCE. THE INSTALLING CONTRACTOR IS РЕСРОМСИ

ELECTRICAL SPECIFICATIONS 1. GENERAL DEMOLITION

> a. REFER TO ARCHITECTURAL DRAWINGS. GENERAL NOTES. INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS, BASE BUILDING SPECIFICATIONS AND DRAWINGS, SHOP DRAWING MANUALS AND AS-BUILT PLANS, EXCEPT AS NOTED HEREIN, WHICH APPLY IN ALL RESPECTS TO THIS SECTION. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO BIDDING THE WORK

2. USE OF DRAWINGS AND SPECIFICATIONS

a.EBS DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY DESIGN INTENT ONLY. ALL MEANS AND METHODS SEQUENCES, TECHNIQUES, AND PROCEDURES OF CONSTRUCTION AS WELL AS ANY ASSOCIATED SAFETY PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL AND TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT, AND TO PROVIDE A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

STANDARDS

a. MATERIALS EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF NEC, ASTM, UL, ETL, NEMA, ANSI, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

4. CODES

a. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE ELECTRICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO OWNER.

5. PERMITS AND FEES

a. THE ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS NECESSARY TO COMPLETE THE ELECTRICAL WORK.

6. WARRANTY

- a. THE ELECTRICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE, AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.
- 7. SITE EXAMINATION
- a. THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS OF WORK WHERE EQUIPMENT WILL BE INSTALLED AND SHALL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE ELECTRICAL WORK PRIOR TO BID. HE SHALL ALSO EXAMINE THE DRAWINGS AND SPECIFICATIONS OF OTHER BRANCHES OF WORK MAKING REFERENCE TO THEM FOR DETAILS OF NEW OR EXISTING BUILDING CONDITIONS.
- b. ALL WORK SHALL BE DONE AT TIMES CONVENIENT TO THE OWNER AND ONLY DURING NORMAL WORKING HOURS, UNLESS SPECIFIED OTHERWISE.
- c. ELECTRICAL CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AND BE RESPONSIBLE FOR THEM.
- d. ACCESS PANELS ARE NOT SHOWN ON DRAWINGS. DURING SITE EXAMINATION, CONTRACTOR SHALL IDENTIFY ALL AREAS WHERE ACCESS PANELS ARE REQUIRED, AND REPORT TO GENERAL CONTRACTOR. DESIGNATION OF WHO FURNISHES AND WHO INSTALLS ACCESS PANELS MUST BE COORDINATED WITH GENERAL CONTRACTOR PRIOR TO STARTING WORK.

8. CONTRACTOR COORDINATION

- a. THE ELECTRICAL DRAWINGS AND SPECIFICATIONS CONVEY DESIGN INTENT ONLY. MEANS AND METHODS, SEQUENCES, TECHNIQUES, AND PROCEDURES OF CONSTRUCTION AS WELL AS ANY ASSOCIATED SAFETY PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL AND TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- b. ALL SYSTEMS INSTALLED BY EACH SUB-CONTRACTOR SHALL BE COORDINATED WITH ONE ANOTHER AND APPROVED BY GENERAL CONTRACTOR/CONSTRUCTION MANAGER. ETC. PRIOR TO INSTALLATION AND/OR FABRICATION. WHERE THE ELECTRICAL CONTRACTOR IS MAKING A CONNECTION TO EQUIPMENT/COMPONENTS THAT ARE FURNISHED BY OTHERS. ELECTRICAL CONTRACTOR TO VERIFY ALL CONNECTION REQUIREMENTS WITH ACTUAL EQUIPMENT BEING CONNECTED, INCLUDING BUT NOT LIMITED TO OCP SIZE, MEANS OF DISCONNECT, SPECIAL CONNECTION REQUIREMENTS, OR OTHER ITEMS INDICATED ON SHOP DRAWINGS, OR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND/OR INSTALLATION DIAGRAMS, AND FURNISH ALL LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION AND OPERATION OF THE EQUIPMENT. NO ALLOWANCES WILL BE MADE FOR FAILURE TO COORDINATE. AFTER ELECTRICAL CONNECTIONS HAVE BEEN INSTALLED.

c. IF QUESTIONS CONCERNING DESIGN INTENT ARISE DURING

ASSIST WHERE APPROPRIATE.

9. UTILITY COORDINATION a. ELECTRICAL CONTRACTOR TO VERIFY INSTALLATION OF METERING AND UTILITY DEMARCATION EQUIPMENT WITH UTILITY PROVIDER PRIOR TO START OF WORK AND FURNISH AND INSTALL REQUIRED ITEMS PER UTILITY COMPANY'S INSTALLATION REQUIREMENTS AND/OR MANUALS.

10. SUBMITTALS

11. RECORD DRAWING a. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING RECORD DRAWINGS WHERE REQUIRED. DRAWINGS SHALL BE PRODUCED IN AUTOCAD 2004 FORMAT OR LATER.

12. SHOP DRAWINGS a. SUBMIT TO THE ARCHITECT PDF FILE COPIES OF COMPLETE & CERTIFIED SHOP DRAWINGS, DESCRIPTIVE DATA, PERFORMANCE DATA & RATINGS, DIAGRAMS AND SPECIFICATIONS ON ALL SPECIFIED EQUIPMENT, INCLUDING ACCESSORIES, AND MATERIALS FOR REVIEW.

b. THE MAKE, MODEL NUMBER, TYPE, FINISH & ACCESSORIES OF ALL EQUIPMENT AND MATERIALS SHALL BE REVIEWED & APPROVED BY THE ELECTRICAL CONTRACTOR & GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT FOR THEIR REVIEW & APPROVAL.

c. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE ELECTRICAL CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS & APPLICABLE CODES. 13. TESTING

a. ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION BALANCE ALL BRANCH CIRCUIT LOADS BETWEEN THE PHASES OF THE SYSTEM TO WITHIN 10% OF THE HIGHEST PHASE LOAD IN EACH PANELBOARD. 14. TEMPORARY POWER

a. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL WIRING FOR CONSTRUCTION. THE TEMPORARY SERVICE SHALL BE A MINIMUM OF 60 AMPS, SINGLE PHASE, THREE WIRE, 120/208 VOLTS FUSED AT MAIN DISCONNECT. ALL RECEPTACLES ON THIS TEMPORARY SERVICE SHALL BE PROTECTED BY A GFI BREAKER.

15. MECHANICAL EQUIPMENT BY THE ELECTRICAL CONTRACTOR. 16. DEMOLITION

a. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DEENERGIZING CIRCUITS IN DEMOLITION AREAS TO INSURE A SAFE CONDITION. ELECTRICAL DEVICES AND ASSOCIATED WIRING LOCATED WITHIN THE DEMOLITION AREA THAT WILL NO LONGER BE USED SHALL BE REMOVED AND PROPERLY DISPOSED OF AT CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED.

17. POWER OUTAGES a. THE ELECTRICAL CONTRACTOR SHALL SCHEDULE ALL ELECTRICAL SYSTEM(S) OUTAGES WITH THE GENERAL CONTRACTOR AND OWNER AT LEAST 24 HOURS IN ADVANCE. UNLESS APPROVED OTHERWISE ALL OUTAGES SHALL OCCUR BETWEEN 11:00PM AND 5:00AM.

18. GROUNDING AND BONDING

WITH NEC 250.

b. ANY GAS PIPING SYSTEMS MUST BE BONDED PER UTILITY PROVIDER'S INSTALLATION GUIDELINES WHERE REQUIRED. 19. MATERIALS

a. PROVIDE ALL NEW MATERIAL AND EQUIPMENT UNLESS NOTED OTHERWISE. ALL EQUIPMENT SHALL BE UL APPROVED AND LABELED. OR OTHER APPROVED TESTING ORGANIZATION WHICH HAS ACCEPTANCE BY THE LOCAL JURISDICTION, FOR THE PURPOSE FOR WHICH THEY ARE USED, IN ADDITION TO MEETING ALL REQUIREMENTS

COORDINATION, EBS CAN ASSIST WHERE APPROPRIATE.

d. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS; USE ACTUAL BUILDING DIMENSIONS.

e. COORDINATION DRAWINGS SHOWING SYSTEM AND COMPONENT INSTALLATION LAYOUT, ROUTING, DETAILS, ETC. SHALL BE PRODUCED BY THE ELECTRICAL CONTRACTOR AND UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER, OR APPROPRIATE PARTY AS APPLICABLE. ALL SYSTEMS INSTALLED BY EACH SUB-CONTRACTOR SHALL BE COORDINATED WITH ONE ANOTHER AND APPROVED BY GENERAL CONTRACTOR/CONSTRUCTION MANAGER, FTC PRIOR TO INSTALLATION AND/OR FABRICATION IF QUESTIONS CONCERNING DESIGN INTENT ARISE DURING COORDINATION, EBS CAN

a. PRODUCTS INSTALLED BY THE ELECTRICAL CONTRACTOR AND PROVIDED BY OTHERS MUST BE SUBMITTED FOR REVIEW PRIOR TO PURCHASING. PRODUCTS SHALL NOT BE SELECTED BASED ON PERMIT DRAWINGS WITHOUT EXPRESS PERMISSION - PRODUCTS SHALL BE SELECTED BASED ON CONSTRUCTION DRAWINGS.

a. ALL FINAL CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE DONE

a. CONTRACTOR TO PROVIDE GROUNDING AND BONDING AS REQUIRED FOR ELECTRICAL SYSTEMS. GROUNDING AND BONDING IS CONSIDERED MEANS AND METHODS OF CONSTRUCTION, AND SHOULD BE COMPLETED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE

OF THE CURRENT APPLICABLE CODES AND REGULATIONS. NO SUBSTITUTION TO MATERIALS SPECIFIED WILL BE ALLOWED UNLESS APPROVED BY THE OWNER.

- b. ELECTRICAL CONTRACTOR SHALL NOT ORDER OR PURCHASE ANY MATERIALS OR EQUIPMENT UNTIL PERMIT DRAWINGS HAVE BEEN APPROVED. NO ALLOWANCES WILL BE MADE FOR ANY CHANGES THAT OCCUR IF PERMIT DRAWINGS HAVE NOT BEEN APPROVED PRIOR TO ORDERING.
- 20. CUTTING AND FITTING
- a. PERFORM CUTTING, CORING, FITTING, REPAIRING AND FINISHING OF THE WORK NECESSARY FOR THE INSTALLATION OF THE EQUIPMENT OF THIS SECTION. HOWEVER, NO CUTTING OF THE WORK OF OTHER TRADES OR OF ANY STRUCTURAL MEMBER SHALL BE DONE WITHOUT THE CONSENT OF THE OWNER. PROPERLY FILL, SEAL, FIREPROOF, AND WATERPROOF ALL OPENINGS, SLEEVES, AND HOLES IN SLABS, WALLS, AND CASEWORK.

21. WIRING METHODS

- a. PROVIDE CODE APPROVED WIRING METHODS FOR BRANCH CIRCUITING INDOORS, SUCH AS NM CABLE (ONLY WHERE PERMITTED BY NEC 334), EMT CONDUIT, OR MC CABLE FOR MECHANICAL EQUIPMENT, LIGHTING, AND POWER.
- b. CONDUIT RUNS ON EXTERIOR OF BUILDING SHALL BE RIGID STEEL CONDUIT WITH WEATHER TIGHT, CORROSION-RESISTANT FITTINGS. SCHEDULE 40 PVC IS ACCEPTABLE WHERE PERMITTED BY CODE AND OR UNDERGROUND RUNS OR CONCRETE ENCASEMENT WHERE NOT EXPOSED TO PHYSICAL DAMAGE.
- c. THE MINIMUM SIZE OF CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED. CONDUIT CONNECTORS SHALL BE DOUBLE LOCKNUT TYPE, UL LISTED AND LABELED, WITH COMPRESSION OR SET SCREW FITTINGS. d. RIGID CONDUIT SHALL BE HOT DIPPED GALVANIZED.
- e. WHERE RACEWAYS ARE INSTALLED FOR OTHERS TO USE, OR FOR FUTURE USE, PROVIDE NYLON PULL STRING.
- f. PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE SEALED USING 3M FIRE BARRIER CAULK, NELSON ELECTRIC FLAMESEAL OR T&B FLAMESAFE OR OTHER APPROVED METHOD.
- 22. CONDUCTORS AND TERMINATIONS
- a. BRANCH CONDUCTORS SHALL BE COPPER, FEEDERS AS INDICATED ON RISER DIAGRAM. CONDUCTORS SHALL BE INSULATED FOR 600V NUMBER 12 AWG MINIMUM. PROVIDE WIRES AND CABLES AS INDICATED LISTED AND SUITABLE FOR TEMPERATURE, CONDITIONS, AND LOCATION WHERE INSTALLED.
- 23. MOTORS AND OTHER WIRING
- a. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED CONDUIT, WIRING, AND SAFETY SWITCHES FOR ALL MOTORS, AND OTHER ELECTRICAL EQUIPMENT. EVEN THOUGH THE MOTORS AND ELECTRICAL EQUIPMENT MAY BE SUPPLIED BY OTHERS. THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL WORK AND CONNECTIONS REQUIRED TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL. PROVIDE MAGNETIC STARTERS FOR EQUIPMENT AS INDICATED ON THE DRAWINGS.
- b. THE ELECTRICAL EQUIPMENT MAY INCLUDE BUT NOT BE LIMITED TO SUCH ITEMS AS GRILLE MOTORS AND INTERLOCKS, EXTERIOR AND INTERIOR SIGNAGE, STARTING DEVICES, MOTOR CONTROLLERS, FLOAT SWITCHES, ALARM DEVICES OR SYSTEMS, PUSH BUTTONS, EXHAUST FANS, DATA SYSTEMS, INTERCOMS AND STEREO SYSTEMS. THE ELECTRICAL CONTRACTOR SHALL VERIFY EQUIPMENT LOCATION AND SIZES WITH THE TRADE SUPPLYING THE EQUIPMENT BEFORE INSTALLING THE CONDUIT OR OUTLETS.
- 24. DEVICES a. HUBBELL, LEVITON, OR APPROVED EQUAL WITH MATCHING COVERPLATES.
- b. PROVIDE SPECIFICATION GRADE WIRING DEVICES, IN TYPES, CHARACTERISTICS. GRADES. COLORS. AND ELECTRICAL RATINGS FOR APPLICATIONS INDICATED, WHICH ARE UL-LISTED AND WHICH COMPLY WITH NEMA WD1 AND OTHER APPLICABLE UL AND NEMA STANDARDS. VERIFY COLOR SELECTIONS WITH ARCHITECT. PROVIDE DEVICE PLATES TO MATCH DEVICE COLORS.
- c. PROVIDE GFCI PROTECTION FOR ALL KITCHEN 15 AND 20-AMP RECEPTACLES. WHERE THE RECEPTACLE IS RENDERED INACCESSIBLE BY EQUIPMENT PROVIDE GFCI PROTECTION AT THE CIRCUIT BREAKER. 25. SERVICE ENTRANCE AND DISTRIBUTION EQUIPMENT
- a ELECTRICAL CONTRACTOR MUST SUBMIT DRAWINGS FOR PERMIT AND RECEIVE APPROVAL PRIOR TO ORDERING EQUIPMENT. NO ALLOWANCES WILL BE MADE FOR EQUIPMENT CHANGES THAT OCCUR PRIOR TO RECEIPT OF APPROVED PLANS.
- 26. DISCONNECTS AND FUSED SWITCHES
- a. HEAVY DUTY TYPE, HORSEPOWER RATED WITH INTERLOCKING COVER. NEMA 1 TYPICAL. OUTDOOR AND WET LOCATION SWITCHES SHALL BE RAINTIGHT TYPE NEMA 3RR. ALL SWITCHES SHALL BE LOCKABLE. FUSES IN CIRCUITS RATED AT 600 AMPERES OR LESS SHALL BE UL CLASS RK1 DUAL-ELEMENT, TIME-DELAY, CURRENT LIMITING FUSES. FUSES IN CIRCUITS RATED AT 601 AMPERES OR LARGER SHALL BE UL CLASS L TIME-DELAY, CURRENT LIMITING FUSES.

27. NAMEPLATES

- a. PROVIDE PERMANENT NAMEPLATE LABELING ON ALL DISCONNECTS INCLUDE LOAD SERVED, VOLTAGE, PHASE, HORSEPOWER, FUSE SIZE, AND TYPE.
- 28. MOUNTING
- a. MOUNT INDEPENDENT OF THE MECHANICAL UNIT HOUSING UNLESS SPECIFICALLY ACCEPTED BY THE LOCAL CODE AUTHORITY. PROVIDE UNISTRUT SUPPORT CHANNELS MOUNTED IN COORDINATION WITH ROOF PENETRATION AND PATCHING WORK. COORDINATE WITH GENERAL CONTRACTOR.
- 29. GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS AND EQUIPMENT a. PROVIDE GROUNDING AND BONDING FOR ELECTRICAL SERVICE IN ACCORDANCE WITH NEC ARTICLE 250.
- b. ALL MAJOR PARTS NOT CARRYING CURRENT, INCLUDING BUT NOT LIMITED TO, SECONDARY FEEDER CIRCUIT, EQUIPMENT AND PANELBOARD ENCLOSURES, PULL AND JUNCTION BOXES, SHALL BE PROPERLY GROUNDED. METALLIC RACEWAYS SHALL UTILIZE DOUBLE LOCKNUTS AND OTHER FITTINGS AS REQUIRED TO PROVIDE GROUND CONTINUITY.
- 30. MULTI-TENANT METER CENTERS
- a. PROVIDE METER CENTERS(S) AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. METER CENTERS SHALL HAVE MAIN LUGS ONLY OR MAIN BREAKERS AS REQUIRED, AND SHALL HAVE BRANCH BREAKER INSTALLED FOR EACH METER SOCKET. METER CENTERS SHALL BE EATON, SQUARE D, GE BY ABB, OR EQUAL, AND SHALL BE OF THE SAME MANUFACTURE AS LOAD CENTERS OR PANELBOARDS SERVED. METER CENTERS SHALL BE ENCLOSED NEMA 1, NEMA 3R AS REQUIRED. FINAL CONFIGURATION (NUMBER OF METERS PER SECTION, END-MAIN/CENTER-MAIN, ETC. SHALL BE DETERMINED BY CONTRACTOR. ALL BUSSING MUST BE RATED FOR THE LOADS SERVED. METER CENTERS SHALL BE RATED TO WITHSTAND THE AVAILABLE FAULT CURRENT.
- 31. PANELBOARDS
- a. PROVIDE BRANCH CIRCUIT PANELBOARD(S) AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. PANELBOARDS SHALL HAVE BOLTED, THERMAL AND MAGNETIC BREAKERS WITH MAIN LUGS ONLY OR MAIN BREAKERS AS REQUIRED. PANELBOARDS SHALL BE EATON, SQUARE D. GE BY ABB. OR EQUAL. AND BE ENCLOSED IN NEMA 1 TYPE HOUSING UNLESS NOTED OTHERWISE. ENCLOSURE(S) SHALL BE COMPLETE WITH A HINGED DOOR, CYLINDER LOCK, AND A NEATLY TYPED DIRECTORY UNDER PLASTIC COVER IN EACH PANEL DOOR. ALL MULTIPLE POLE BREAKERS SHALL HAVE A COMMON TRIP HANDLE. ALL PANELS AND BREAKERS SHALL BE RATED TO WITHSTAND AVAILABLE FAULT CURRENT.
- 32. RESIDENTIAL LOAD CENTERS
- a. PROVIDE LOAD CENTERS AS SHOWN ON DRAWINGS AND AS SPECIFIED HEREIN. LOAD CENTERS SHALL BE EATON, SQUARE D, GE BY ABB, OR EQUAL. LOAD CENTERS SHALL CONTAIN A NEATLY TYPED DIRECTORY IN EACH DOOR. ALL MULTIPLE POLE BREAKERS SHALL HAVE A COMMON TRIP HANDLE. ALL PANELS AND BREAKERS SHALL BE RATED TO WITHSTAND AVAILABLE FAULT CURRENT. LOAD CENTERS MAY BE USED IN AREAS OTHER THAN DWELLING UNITS WHERE APPROPRIATE AND WHERE APPROVED BY OWNER'S REPRESENTATIVE.
- 33. LIGHTING
- a. PROVIDE A NEW LIGHTING SYSTEM COMPLETE AND FULLY OPERATIONAL AND IN CONFORMANCE WITH CODE AND UL LISTING REQUIREMENTS. CLEAN ALL FIXTURES AT TIME OF JOB COMPLETION UTILIZING MANUFACTURERS APPROVED OR RECOMMENDED CLEANING SOLUTIONS. ALL FIXTURES AND LAMPS ARE PROVIDED BY THIS CONTRACTOR AS SCHEDULED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL FURNISH ALL BOXES, MOUNTING KITS, TRANSFORMERS, CONTROLLERS, AND OTHER COMPONENTS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.
- b. WHERE DIMMERS AND/OR DIMMING SYSTEMS ARE REQUIRED, CONTRACTOR TO FURNISH DIMMERS THAT ARE COMPATIBLE WITH FIXTURE SOURCE AND RATED FOR THE WATTAGE OF THE DIMMING ZONE. PROVIDE ADDITIONAL DIMMERS AS REQUIRED TO MEET ZONE LOAD REQUIREMENTS.
- 34. TELEPHONE SYSTEM
- a. TELEPHONE WIRING AND SYSTEM IS EXISTING TO REMAIN. FIELD VERIFY THAT ALL WIRING AND HARDWARE IS IN GOOD WORKING CONDITION, COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT. 35. SECURITY SYSTEM NOTES
- a. SECURITY WIRING AND SYSTEM ARE EXISTING TO REMAIN. FIELD VERIFY THAT ALL WIRING AND HARDWARE IS IN GOOD WORKING CONDITION, COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT
- 36. DATA/POS/A-V/SYSTEM NOTES
- a. DATA, POS AND/OR A-V WIRING AND SYSTEMS ARE EXISTING TO REMAIN. FIELD VERIFY THAT ALL WIRING AND HARDWARE IS IN GOOD WORKING CONDITION, COORDINATE REPAIRS OR REPLACEMENTS WITH OWNER AND ARCHITECT.

