1807 VINE CINCINNATI, OHIO, 45202

FINDLAY FLATS RENOVATION

STRUCTURAL ENGINEER

ADVANTAGE GROUP

1527 MADISON ROAD, FL 2

CINCINNATI, OH 45206

(513) 396-8900

MEP ENGINEER

ENGINEERED BUILDING SYSTEMS, INC. 515 MONMOUTH STREET, SUITE 201 NEWPORT, KY 41071 (859) 261-0585

CIVIL ENGINEER

BAYER BECKER

1404 RACE STREET, SUITE 204

CINCINNATI, OH 45202

(513) 336-6600

PI.02 PLUMBING PLAN - SECOND FLOOR

PI.04 PLUMBING PLAN - FOURTH FLOOR

PI.03 PLUMBING PLAN - THIRD FLOOR

P2.00 PLUMBING DETAILS

P2.01 PLUMBING DETAILS

ARCHITECT PLATTE ARCHITECTURE +

DESIGN

1810 CAMPBELL ALLEY, STE 300

CINCINNATI, OH 45202

(513) 871-1850

CLIENT/DEVELOPER

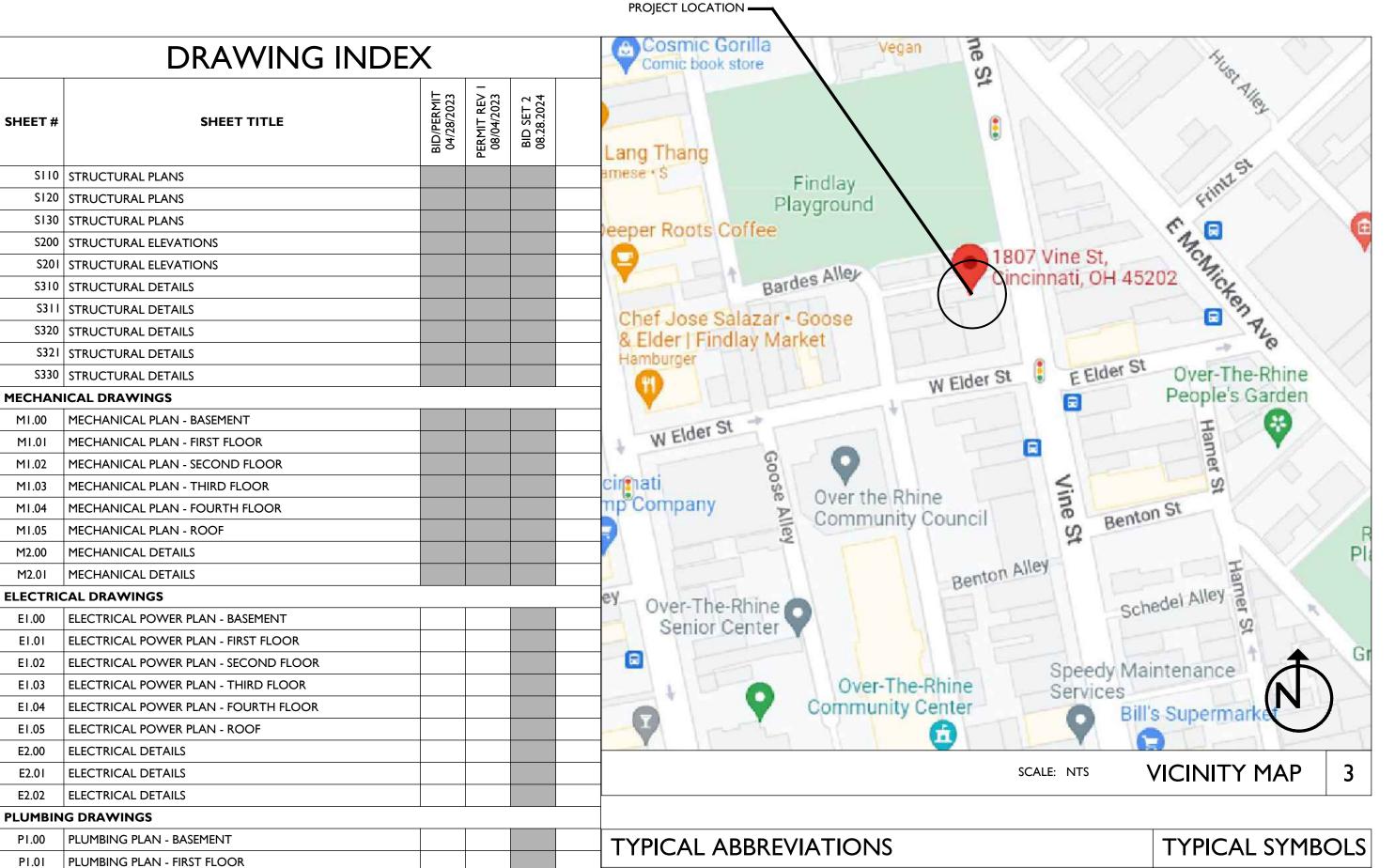
3CDC 1203 WALNUT STREET CINCINNATI, OH 45202 (513) 621-4400

PROJECT DESCRIPTION

BASEMENT AND ATTIC. THE BASEMENT WILL REMAIN UNOCCUPIED. THE ATTIC WILL REMAIN UNOCCUPIED AS WELL. THE FIRST FLOOR WILL BE COMMERCIAL WHITE BOX WITH POTENTIAL B/M/A-2 USE. THE SECOND AND THIRD FLOORS WILL REMAIN USE R-2 APARTMENTS. THE SECOND AND THIRD FLOORS WILL REMAIN USE R-2 APARTMENTS

AND MECHANICAL SYSTEMS. THIS PROJECT HAS BEEN SUBMITTED FOR HISTORIC TAX CREDITS WITH THE STATE HISTORIC PRESERVATION OFFICE AND NATIONAL PARK SERVICE, AND THEREFORE WILL BE DICTATED BY CHAPTER 34, SECTIONS 3-11 AND SUPPORTING SECTIONS OF THE OBC.







AERIAL IMAGE SCALE: NTS



D.O.T.E. DEPARTMENT OF **INSULATING** T.O. or T/ TOP OF TRANSPORTATION INT INTERIOR T&G TONGUE & & ENGINEERING LIVE LOAD GROOVE DEAD LOAD MATERIAL TYPICAL U.N.O. UNLESS NOTED DOWNSPOUT MECHANICAL DETAIL(S) MECHANICAL, OTHERWISE DWG(S) DRAWING(S) VAPOR BARRIER **ELECTRICAL &** V.B. **PLUMBING** VERTICAL ELECTRICAL MINIMUM V.I.F. or ± VERIFY IN FIELD ELEVATION(S) MAXIMUM EXPANSION JOINT MANUF MANUFACTURER W/O WITHOUT NOT APPLICABLE EQUAL

CENTERLINE TAG ELEVATION TAG REVISION CLOUD A2.00 ELEVATION TAG **ELEVATION TAG** A3.01 SECTION CUT TAG – sheet # DETAIL CALLOUT

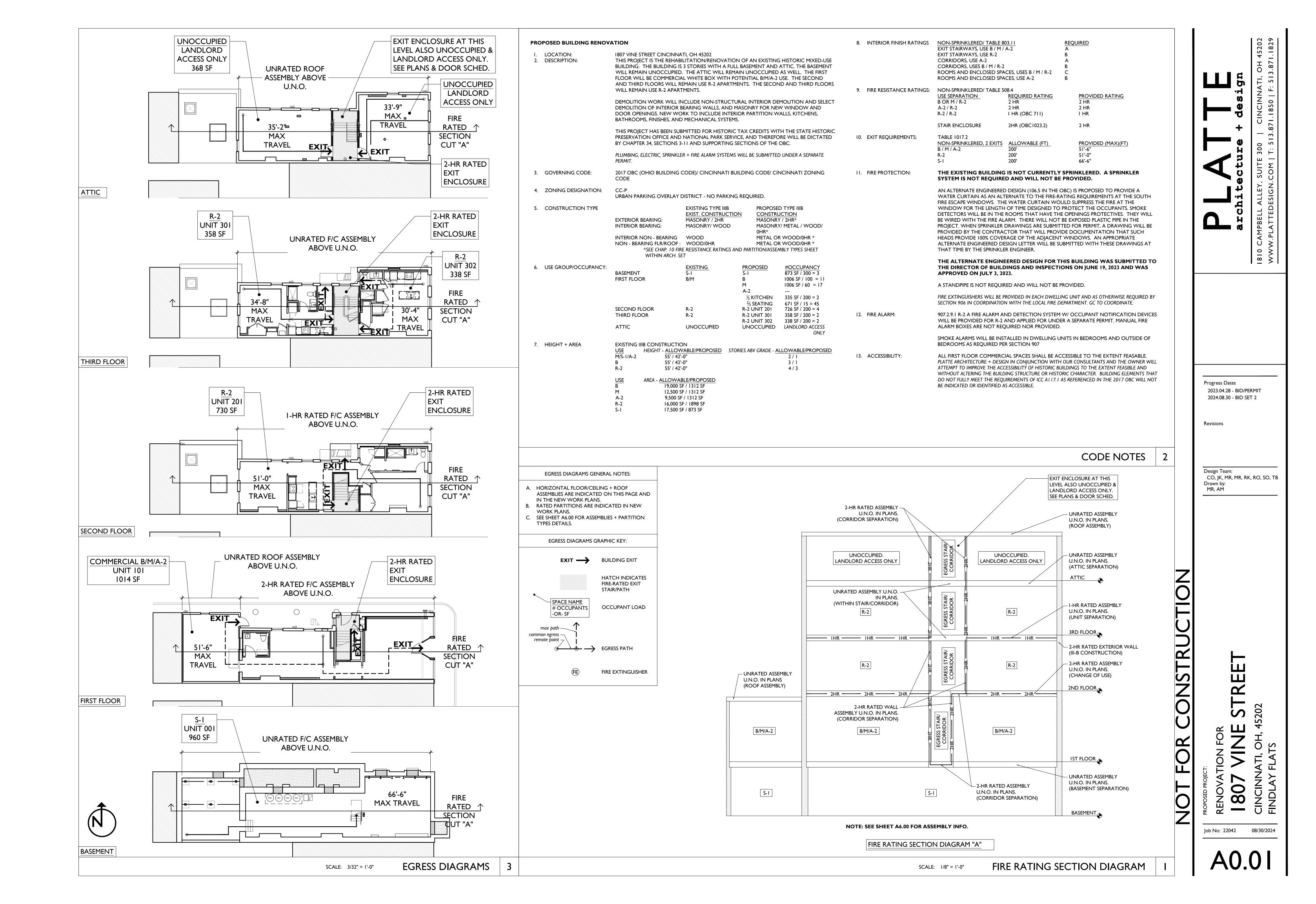
SCALE: NTS

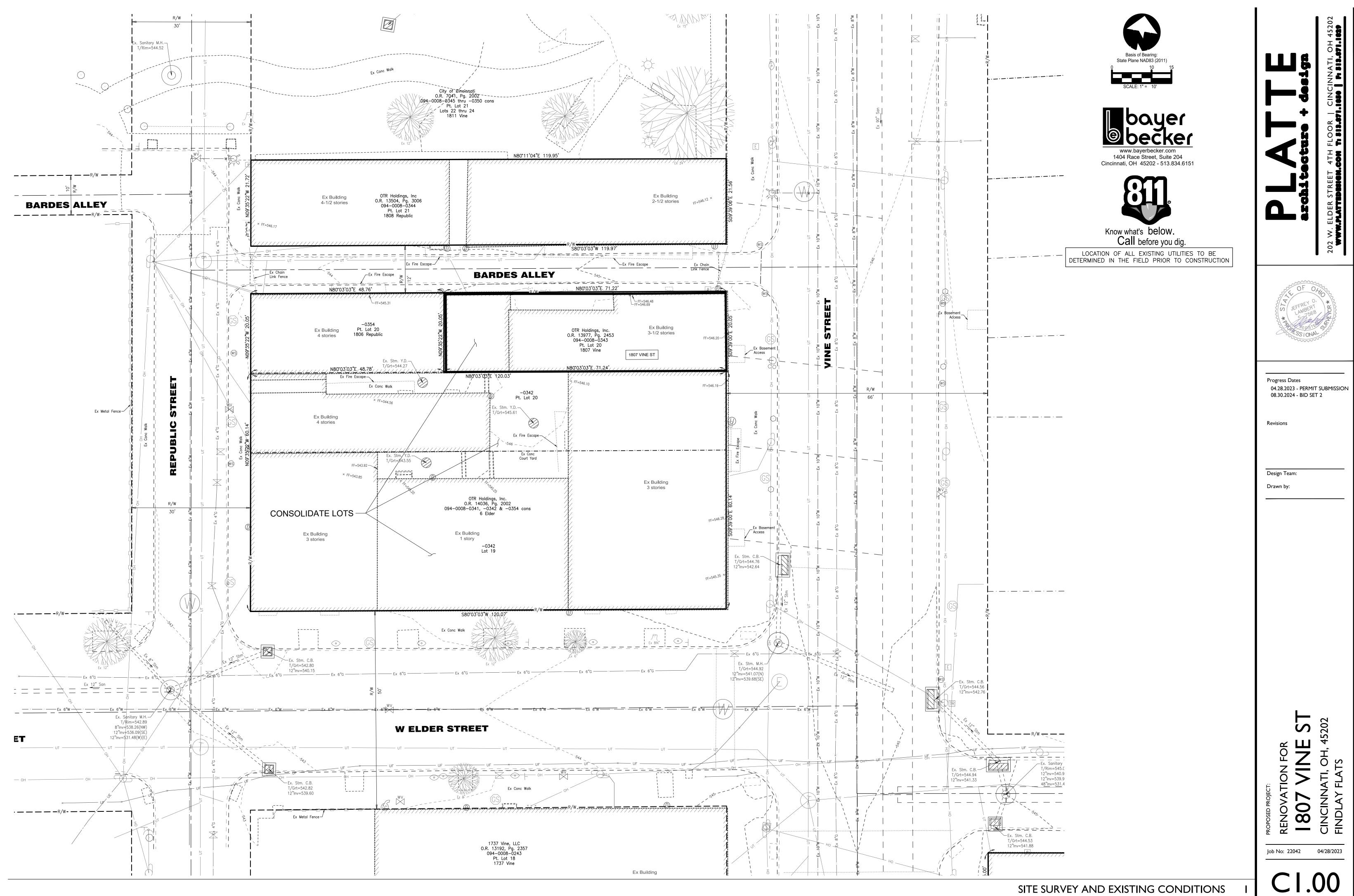
STREET VIEW

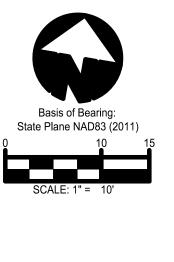
SI 80

Progress Dates 2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

CO, JK, MR, MR, RK, RO, SO, TB Drawn by:











Know what's below. Call before you dig.

LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

MAINTENANCE OF TRAFFIC NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND CURRENT STANDARD DRAWINGS, UNLESS OTHERWISE NOTED.
- 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE C&M SPECIFICATIONS AS WELL AS IN ACCORDANCE WITH PART 7 OF OMUTCD. LANE CLOSURES SHALL BE IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWINGS MT-97.10,
- LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF FLAGGERS AND SAFETY CONES, AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR MUST COORDINATE THE WORK SO AS TO NOT INTERRUPT INGRESS AND EGRESS FROM AFFECTED PROPERTIES.
- IF THE CONTRACTOR SO ELECTS, HE MAY SUBMIT ALTERNATE METHODS FOR THE MAINTENANCE OF TRAFFIC, PROVIDED THAT THE INTENT OF THE ABOVE PROVISIONS IS FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THEREFROM. NO ALTERNATE PLAN WILL BE PUT INTO EFFECT UNTIL THE APPROVAL HAS BEEN GRANTED, IN WRITING, BY THE CITY OF CINCINNATI DOTE.
- THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES.
- NO TRENCH SHALL BE LEFT OPEN OVERNIGHT. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED WORK SHALL BE PLATED OR BACKFILLED AT THE DIRECTION OF THE COUNTY ENGINEER.
- 8. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES LOCATED PRIOR TO BEGINNING CONSTRUCTION.

MSD SEWER NOTES

- 1. SANITARY PIPE MATERIAL SHALL BE 6" PVC SDR-35 @2.00% MINIMUM.
- 2. IF LOWEST LEVEL ELEVATION IS BELOW RIM ELEVATION OF UPSTREAM MANHOLE, THEN TAP MUST INCLUDE BACKFLOW PREVENTION OR BE PUMPED TO GRAVITY.

SITE PERMITS NOTES

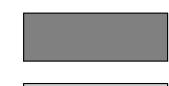
CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CITY OF CINCINNATI PERMITS FOR PROPOSED SITE WORK, INCLUDING (BUT NOT LIMITED TO): GCWW BRANCH APPLICATION, MSD TAP PERMIT, DOTE RIGHT-OF-WAY PERMIT (FOR UTILITY CONNECTIONS, STREET/WALK CLOSURE, AND PAVEMENT INSTALLATION), DOTE BARRICADE PERMIT, DOTE REVOCABLE STREET PERMIT (IF APPLICABLE).

LEGEND

EXISTING CONCRETE WALK OR DRIVE (TO REMAIN)

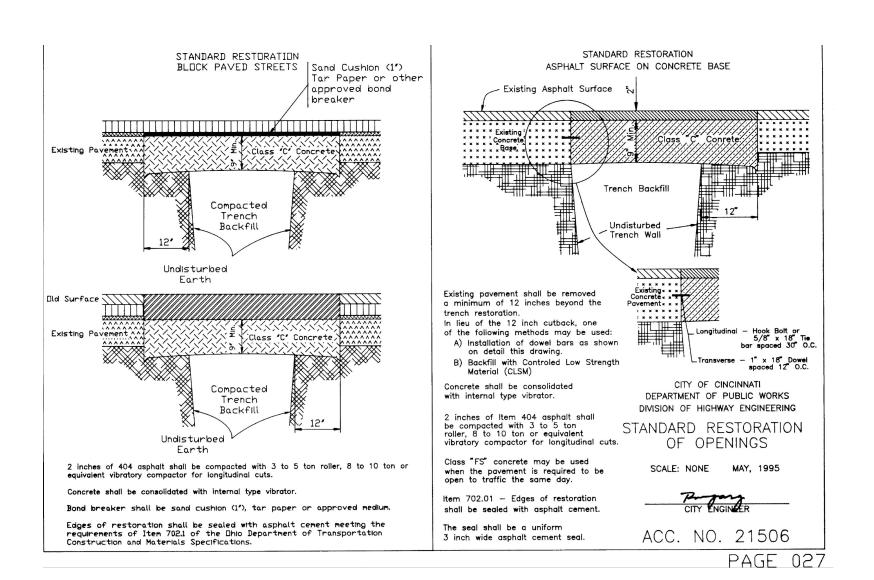


PROPOSED CONCRETE WALK (SEE DETAIL 1/C2.00)

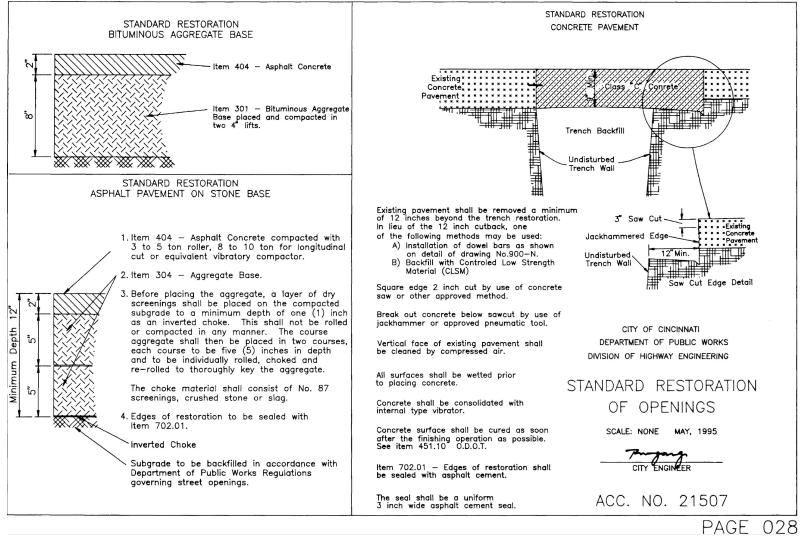


REMOVE & REPLACE EX PAVEMENT IN KIND PER DOTE STANDARDS (SEE SHEET C2.00 FOR DETAILS)

STREETSCAPE PROJECT BY OTHERS



R/W



INSTALL NEW 3X5 PULL BOX; -TO BE SUPPLIED BY DUKE ENERGY

> REUSE EX. 6" -SEWER LATERAL

(PER RECORD)

(1)-4" COMM. CONDUIT -

1807 VINE ST

- (2)-4" COMM. CONDUITS

- (2)-4" COMM. CONDUITS

- CONNECT TO EXISTING

(SEE MEP PLAN)

INSTALL 30" X 36" FLUSH QUAZITE BOX; TO BE SUPPLIED BY SPECTRUM

GAS SERVICE PER DUKE ENERGY STANDARDS

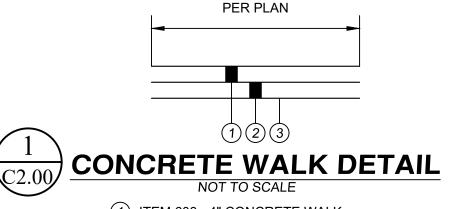
- PROPOSED 2" GAS SERVICE PER DUKE ENERGY STANDARDS

BARDES ALLEY

W ELDER STREET

DOMESTIC AND FIRE WATER

SERVICES TO BE PROVIDED BY 1801-1805 VINE



- (1) ITEM 608 4" CONCRETE WALK
- (2) ITEM 304 4" AGGREGATE BASE
- (3) ITEM 203 SUBGRADE COMPACTION

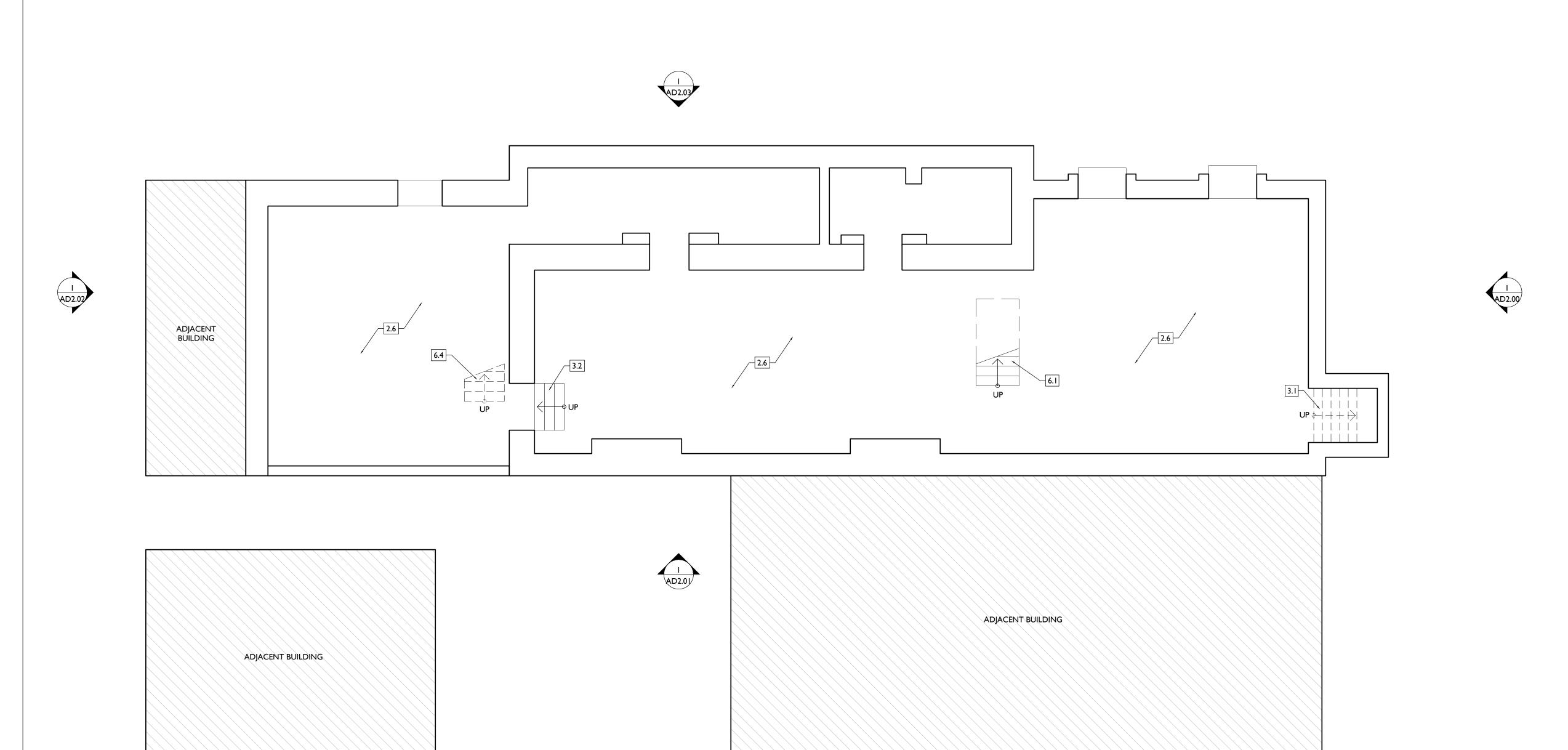
Progress Dates 04.28.2023 - PERMIT SUBMISSION 08.30.2024 - BID SET 2

Revisions

Drawn by: EFS

=80

Job No: 22042 04/28/2023

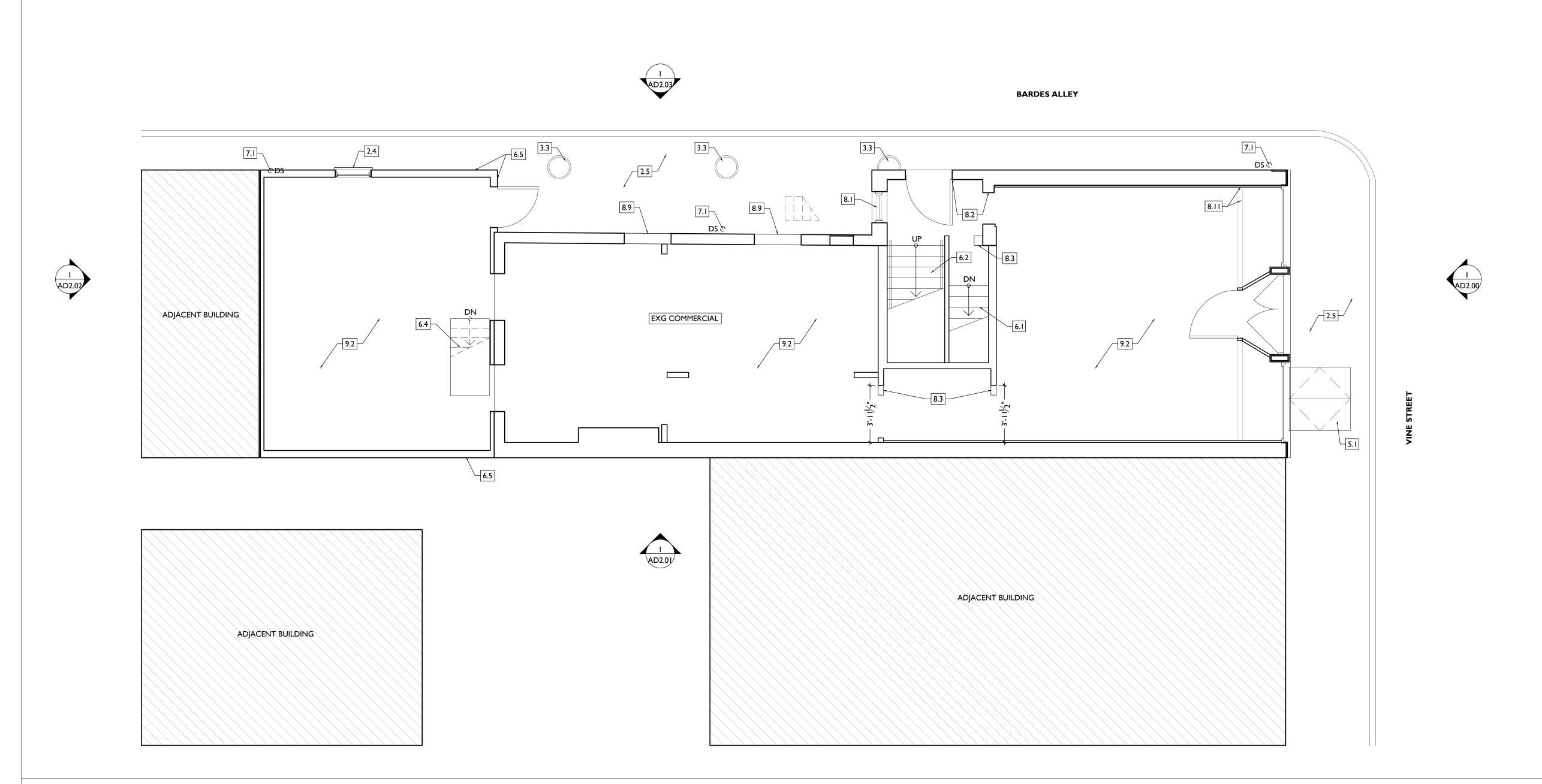


ONSTRUC

Progress Dates

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

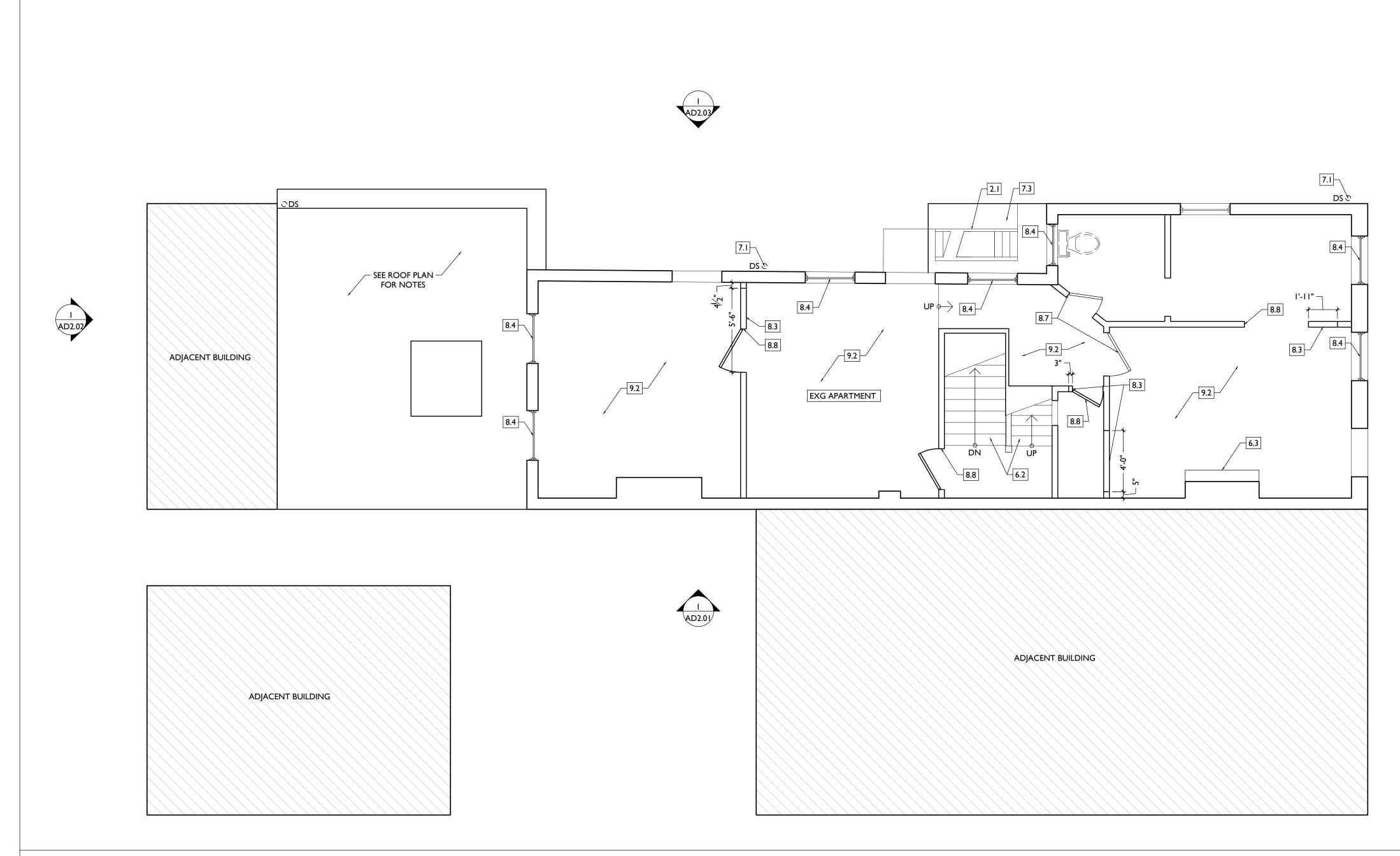


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Progress Dates

Design Team:
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Drawn by:
MR, AM

ONSTRUC



Design Team:
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Drawn by:
MR, AM

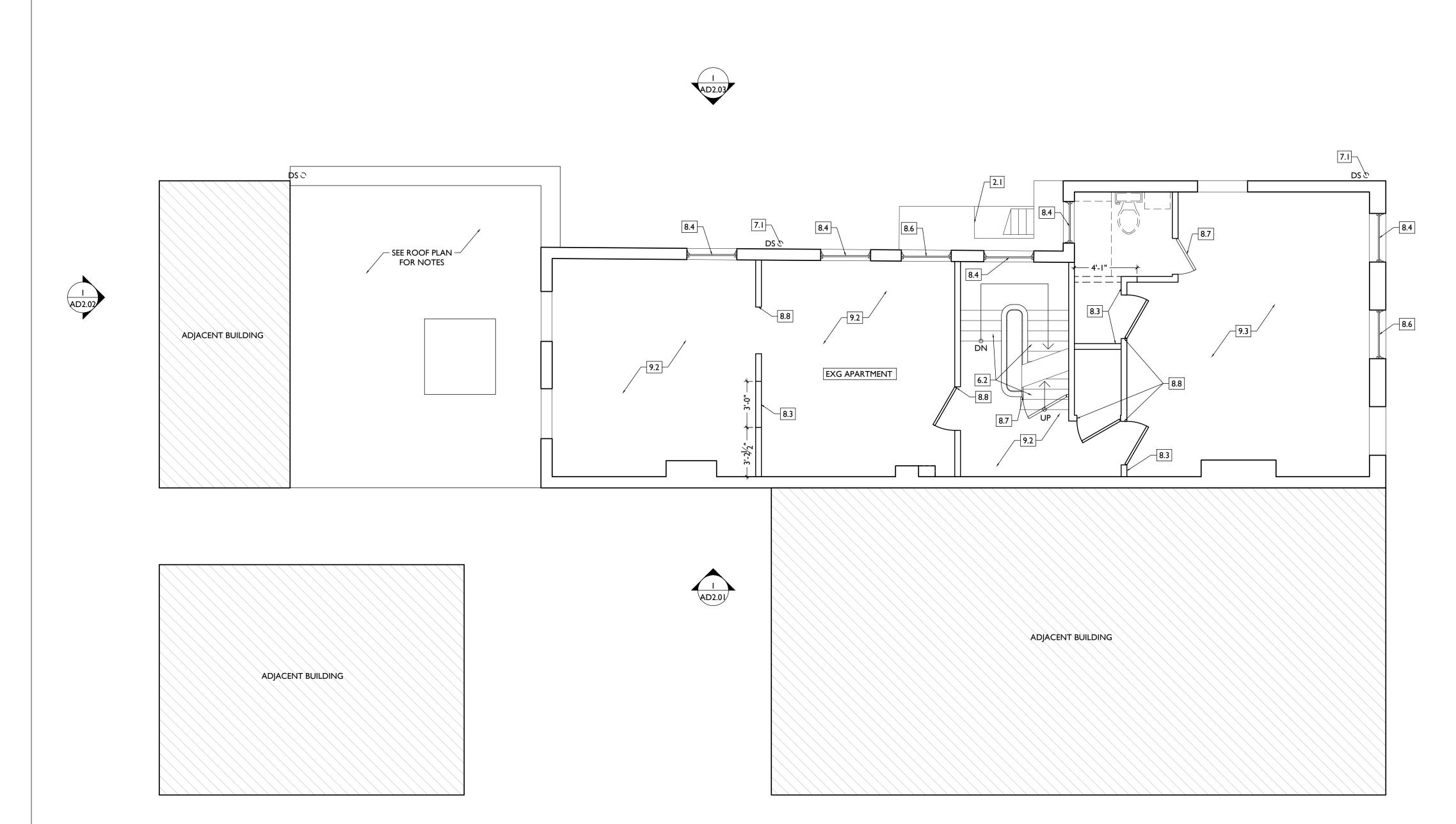
ONSTRUCTION

Job No: 22042

Progress Dates

Revisions

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2



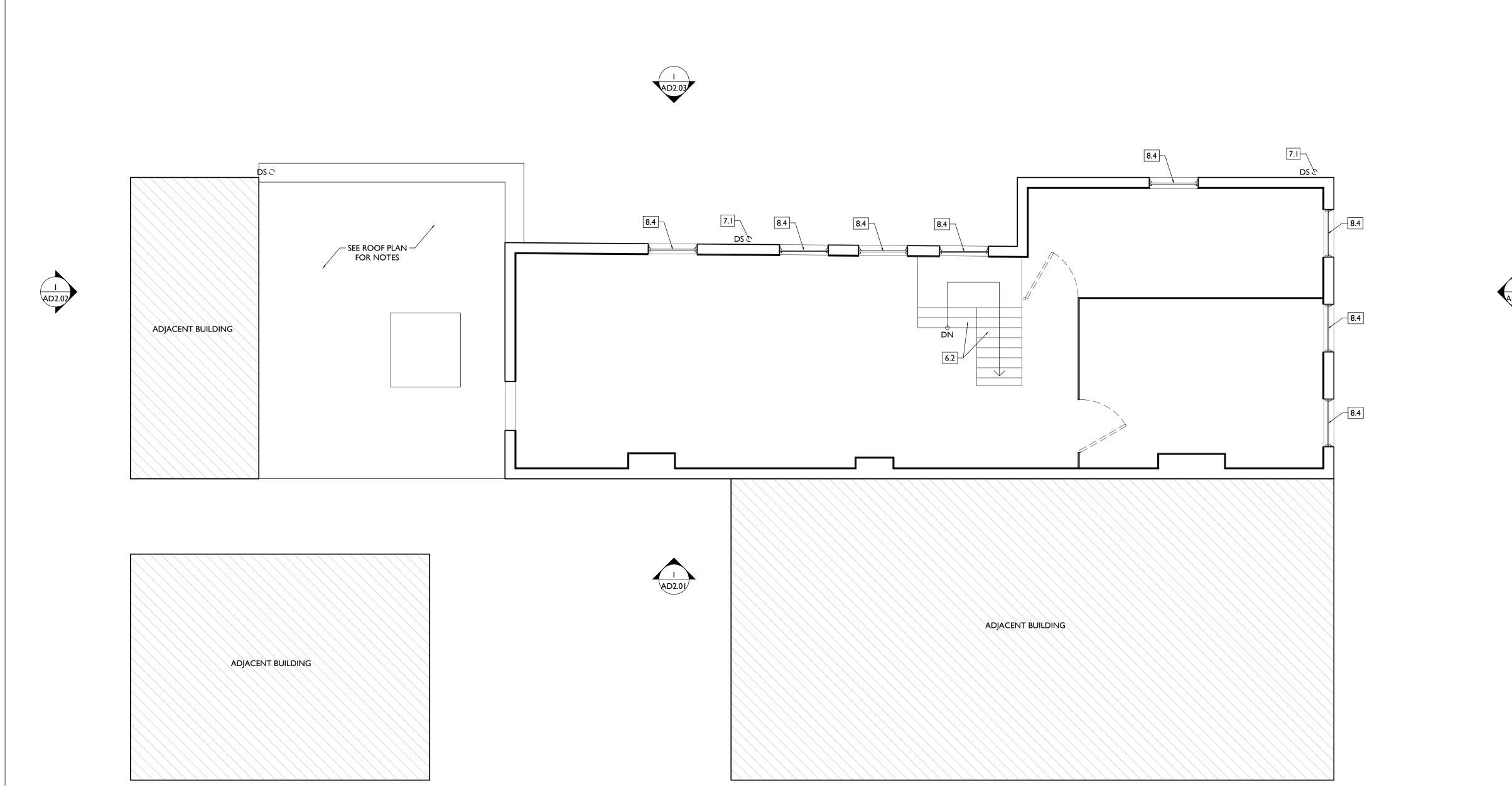
OT FOR CONSTRUCTION

Progress Dates

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Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

AD1.03

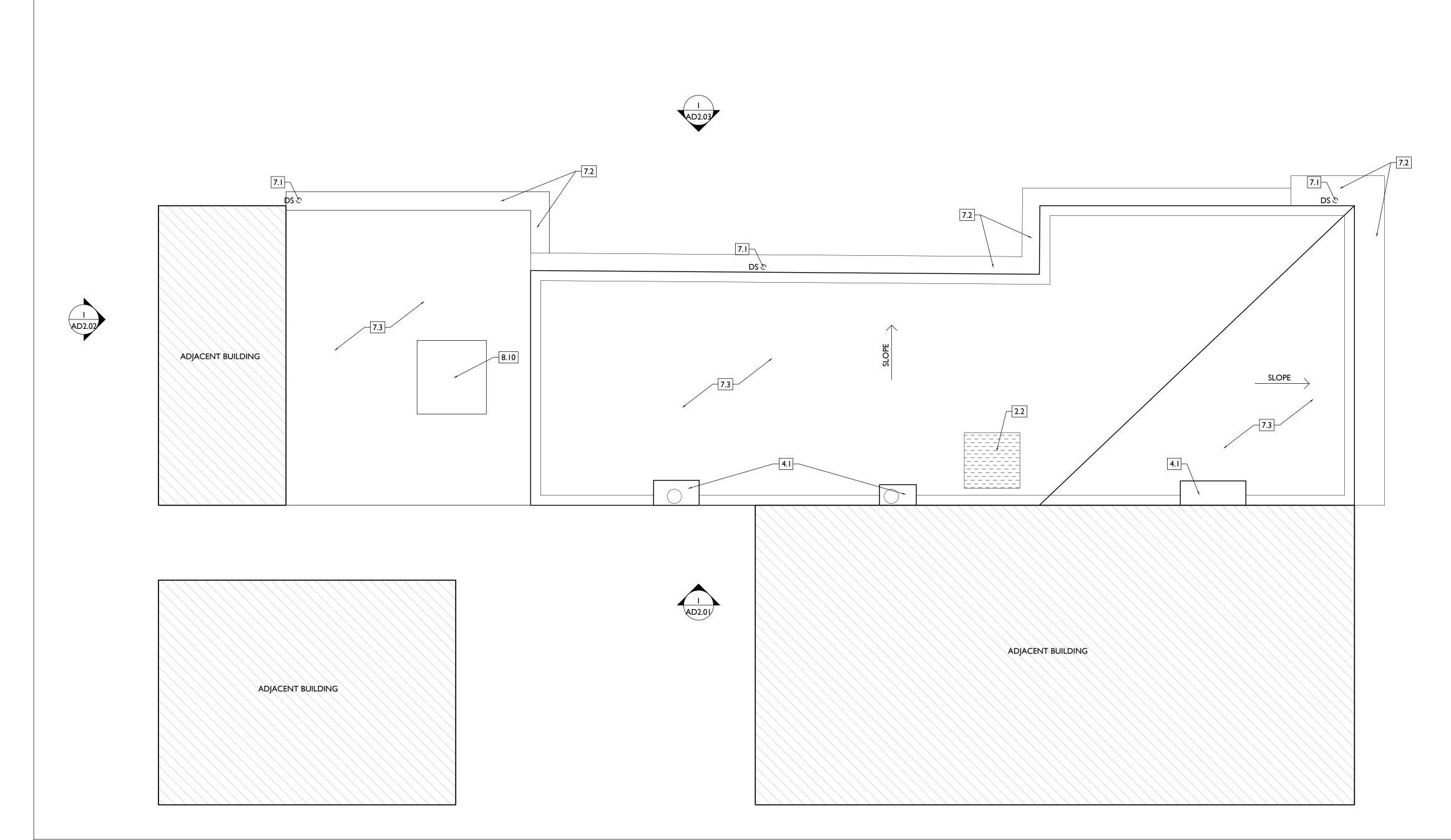


ONSTRUC

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Drawn by:
MR, AM



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Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

6.4 EXG NON-HISTORIC WOOD STAIR TO BE REMOVED ENTIRELY.

ALL KEYED NOTES LISTED MAY NOT APPLY TO THIS SHEET.

I. GENERAL

KEYED NOTES

2. EXG CONDITIONS

2.1 REPAIR/RETAIN EXG FIRE ESCAPE.

2.2 REMOVE FRAMING & SHEATHING/DECKING IN THIS AREA. SEE STRUCTURAL DWGS & NEW WORK PLANS. 2.3 EXG HISTORIC EXTERIOR ORNAMENT TO REMAIN (CORNICE,

KEYED NOTES ARE CATEGORIZED FOR ORGANIZATIONAL PURPOSES

ONLY. NOTES MAY REQUIRE MATERIALS OR WORK IN CATEGORIES

RESPONSIBLE FOR THE WORK DESCRIBED IN ALL APPLICABLE NOTES

OTHER THAN WHERE THEY OCCUR. THE CONTRACTOR IS

REGARDLESS OF THE CATEGORY IN WHICH THEY OCCUR.

- BRACKET, FRIEZE, ENTABLATURE, PILASTER, ETC). 2.4 EXG SHUTTERS/GRATE TO BE REMOVED FROM EXG HISTORIC
- 2.5 SEE CIVIL DRAWINGS FOR SIDEWALK/STREETSCAPE SCOPE. 2.6 EXG STRUCTURAL ELEMENTS (POSTS, BEAMS, FOOTINGS, ETC.) TO REMAIN U.N.O., TYPICAL. SEE PROPOSED STRUCTURAL DRAWINGS.

3.1 EXG CONCRETE STEPS TO BE REMOVED.

3.2 EXG CONCRETE STEPS TO REMAIN. REPAIR AS REQ. 3.3 INFILL EXISTING OPENING. COORDINATE EXTERIOR PAVEMENT/GRADING WORK WITH CIVIL.

4.1 EXG CHIMNEY TO REMAIN. REPAIR CHIMNEY POTS AS REO.

4.2 EXG MASONRY STRUCTURE/ADDITION TO BE REPAIRED. SEE STRUCTURAL DWGS.

5. METALS 5.1 EXG RUSTED BASEMENT HATCH TO BE REMOVED ENTIRELY.

6. WOOD, PLASTICS, AND COMPOSITES

6.1 EXG NON-HISTORIC WOOD STAIR TO REMAIN IN PLACE. REMOVE NON-HISTORIC GUARDRAIL/HANDRAIL.

6.2 EXG HISTORIC WOOD STAIR TO REMAIN IN PLACE. REMOVE

HISTORIC ELEMENTS AS REQ. 6.3 REPAIR/RETAIN EXG HISTORIC MANTLE & TRIM.

6.5 REPAIR/RETAIN EXG WOOD SIDING. REPLACE SIDING AND PLYWOOD SUBSTRATE AS REQ. IF REPLACED, NEW SIDING TO MATCH EXG IN SIZE AND PROFILE.

7.1 REMOVE NON-HISTORIC GUTTER & DOWNSPOUTS. 7.2 REPAIR/RETAIN EXG HISTORIC CORNICE & BOX GUTTER. 7.3 REMOVE EXG MEMBRANE ROOF. CONTRACTOR TO INSPECT EXG ROOF DECKING AND REPAIR AS NEEDED.

7. THERMAL AND MOISTURE PROTECTION

8.1 REMOVE NON-HISTORIC WINDOW & NON-HISTORIC FRAME

- ENTIRELY, BACK TO MASONRY OPENING. 8.2 REMOVE DOOR & FRAME ENTIRELY, BACK TO MASONRY OPENING. 8.3 NEW OR EXPANDED OPENING IN EXG HISTORIC WALL. SEE NEW WORK PLANS.
- 8.4 EXG HISTORIC WINDOW AND FRAME TO REMAIN IN PLACE. REPAIR AS REQ. SEE NEW WORK PLANS AND WINDOW DETAILS.
- 8.5 EXG HISTORIC WINDOW AND FRAME TO BE REMOVED ENTIRELY, BACK TO MASONRY OPG.
- 8.6 EXG HISTORIC WINDOW AND FRAME TO REMAIN IN PLACE, BUT TOP SASHES ARE TO BE RELOCATED TO OPPOSITE WINDOWS. WINDOW ON EAST (PRIMARY) ELEVATION IS TO BE A 1-OVER-1 WINDOW, AND WINDOW ON THE NORTH ELEVATION IS TO BE A
- 6-OVER-6 WINDOW. 8.7 EXG HISTORIC DOOR/FRAME/OPG TO REMAIN IN PLACE. REPAIR AS REQ. SEE NEW WORK PLANS & DOOR TYPES/SCHEDULE FOR MORE INFORMATION.
- 8.8 EXG HISTORIC DOOR/FRAME/OPG TO BE RELOCATED. REPAIR AS REQ. SEE NEW WORK PLANS & DOOR TYPES/SCHEDULE FOR MORE
- 8.9 EXG INFILL TO BE REMOVED FROM EXG WINDOW OPG, BACK TO
- ORIGINAL MASONRY OPG. 8.10 EXG SKYLIGHT TO BE REMOVED. SKYLIGHT CURB TO BE REPAIRED
- AS REQ TO RECEIVE NEW SKYLIGHT. 8.11 EXG HISTORIC INTERIOR TRANSOM/TRIM TO BE CAREFULLY REMOVED & REINSTALLED OVER FURRING. SEE NEW WORK PLANS.

9.1 HISTORIC PLASTER AT MASONRY WALL TO REMAIN, IF POSSIBLE. 9.2 REMOVE NON-HISTORIC FINISH FLOORING DOWN TO WOOD

A. THIS PROJECT IS A NPS AND OHPO HISTORIC PRESERVATION TAX CREDIT PROJECT. **COORDINATE & CONFORM ALL WORK TO** THE APPROVED PART 2 NARRATIVE AND 9.3 EXG HISTORIC FLOORING TO REMAIN. SEE NEW WORK PLANS. **AMENDMENTS. NO HISTORIC ELEMENTS** ARE TO BE REMOVED OR MODIFIED UNLESS

> WINDOWS, AND INTERIOR TRIM REMAINS LARGELY INTACT. HISTORIC ELEMENTS (TRIM, DOORS, ETC.) TO REMAIN OR BE SALVAGED FOR REUSE. B. IF UNEXPECTED HISTORIC TRIM IS UNCOVERED DURING DEMOLITION, STOP WORK AND CONTACT ARCHITECT IMMEDIATELY FOR

SPECIFICALLY NOTED OTHERWISE.

THROUGHOUT THIS PROJECT, HISTORIC DOORS,

DOCUMENTATION AND POSSIBLE SHPO/NPS C. AT NEW OPENINGS AND MODIFICATIONS OF EXG K. EXG DOWNSPOUT TIE-IN LOCATIONS TO BE OPENINGS IN MASONRY AND EXTERIOR WALLS:

I. VERIFY ANY INFILL IS NON-LOADBEARING PRIOR TO DEMOLITION. 2. VERIFY CONDITION OF ANY EXG LINTELS. IF DAMAGED, CONTACT ARCHITECT AND

STRUCTURAL ENGINEER. 3. PROVIDE SHORING AS REQUIRED. 4. TOOTH OUT AND KEY IN MASONRY SO CUT

BRICK IS NOT EXPOSED, EXCEPT WHERE NOTED IN CORRIDORS. 5. EXPOSED MASONRY EDGES ARE TO BE FIRED EDGES U.N.O.

D. AT COMPLETION OF DEMOLITION, ALL FLOORS SHALL BE SWEPT BROOM CLEAN.

ADDITIONAL INFORMATION REGARDING **ELEMENTS TO BE RETAINED:**

E. IN AREAS OF NEW MASONRY OPENINGS, SALVAGE HISTORIC BRICK FOR REUSE & CAREFULLY SORT AND SEPARATE HARD-FIRED FACE BRICK FROM

BRICKS AT INTERIOR WYTHES. F. RETAIN HISTORIC EXTERIOR ORNAMENT-

HISTORIC TRIM.

OTHERWISE:

DEMO GENERAL NOTES:

CORNICES, FRIEZES, BRACKETS, ETC. S. NON-HISTORIC CABINETRY.

G. RETAIN HISTORIC STOREFRONT ELEMENTS -COLUMNS, LINTELS, THRESHOLDS, GLAZING, ETC. H. RETAIN HISTORIC INTERIOR WOOD TRIM -MANTLES, BASEBOARDS, CROWN MOULDING,

CONDENSERS, DUCTS, VENTS, PANELS, ETC. BACK WALL PANELS, WAINSCOTING, WINDOW FRAMES, TO SERVICE. DOOR FRAMES, ETC. AT WALLS WHERE PLASTER IS BEING REMOVED OR WHERE NEW FURRING IS PROPOSED, CAREFULLY REMOVE & RETAIN

W.PLUMBING SYSTEMS - FIXTURES, WATER HEATERS, DRAINS, PIPING, VENT STACKS, ETC. BACK TO SERVICE.

Z. VEGETATION.

REUSED, UNO. CLEAR OF DEBRIS & REPAIR AS REQ. REMOVE THE FOLLOWING, UNLESS NOTED

L. FURNITURE & DEBRIS, INTERIOR & EXTERIOR, ALL FLOOR LEVELS, INCLUDING BASEMENT & ATTIC. M. SUSPENDED ACOUSTICAL CEILINGS.

I. RETAIN HISTORIC INTERIOR AND EXTERIOR

BRICK MOULD AND SHUTTER HARDWARE.

DOORS, TRANSOMS, AND SIDELITES.

N. NON-HISTORIC DOORS & DOOR FRAMES (SHOWN DASHED). O. NON-HISTORIC STAIRS (SHOWN DASHED). P. PLASTER & LATH: REFER TO HISTORIC NARRATIVES FOR SPECIFIC GUIDELINES FOR PLASTER REPAIR, WHEN REQ. FOLLOW THESE GUIDELINES FOR THE

REMOVAL OR RETENTION OF PLASTER AND LATH,

INTERIOR WALLS TO REMAIN. REMOVE LOOSE OR

UNO. RETAIN AND REPAIR PLASTER AT HISTORIC

DETERIORATED PLASTER AT MASONRY WALLS. Q. ROOFING DOWN TO EXG. SUBSTRATE, U.N.O. REPLACE DAMAGED/DETERIORATED SUBSTRATE AS R. DETERIORATED WOOD SUBFLOOR: REPLACE WITH NEW PLYWOOD SUBFLOOR, SEE PROPOSED.

T. NON-HISTORIC WALL FINISHES, INCLUDING

PANELING AND WALLCOVERING. U. MECHANICAL SYSTEMS - BOILERS, FURNACES,

V. ELECTRIC SYSTEMS - FIXTURES, SWITCHES, RECEPTACLES, WIRING, PANELS, ETC. BACK TO

. RETAIN HISTORIC WOOD WINDOW SASH, FRAMES, X. NON-HISTORIC DOWNSPOUTS & ALUMINUM GUTTERS, GUTTERBOARDS. Y. NON-HISTORIC VINYL AND ALUMINUM WINDOWS. RETAIN HISTORIC WOOD FRAMES & BRICKMOLD.

EXG WINDOW TO BE

DEMO WORK GRAPHIC KEY:

KEYNOTE

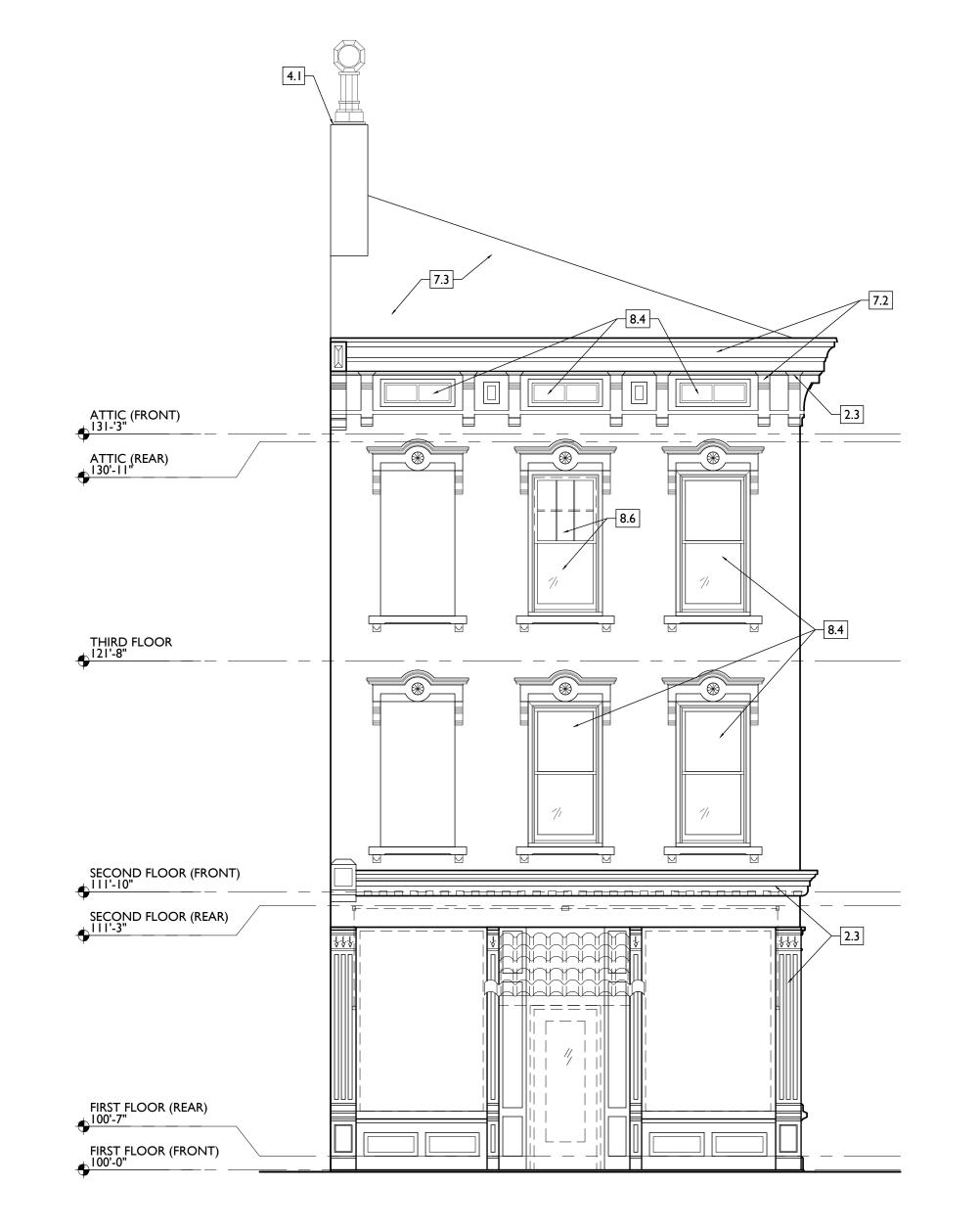
EXG EXTERIOR WALL

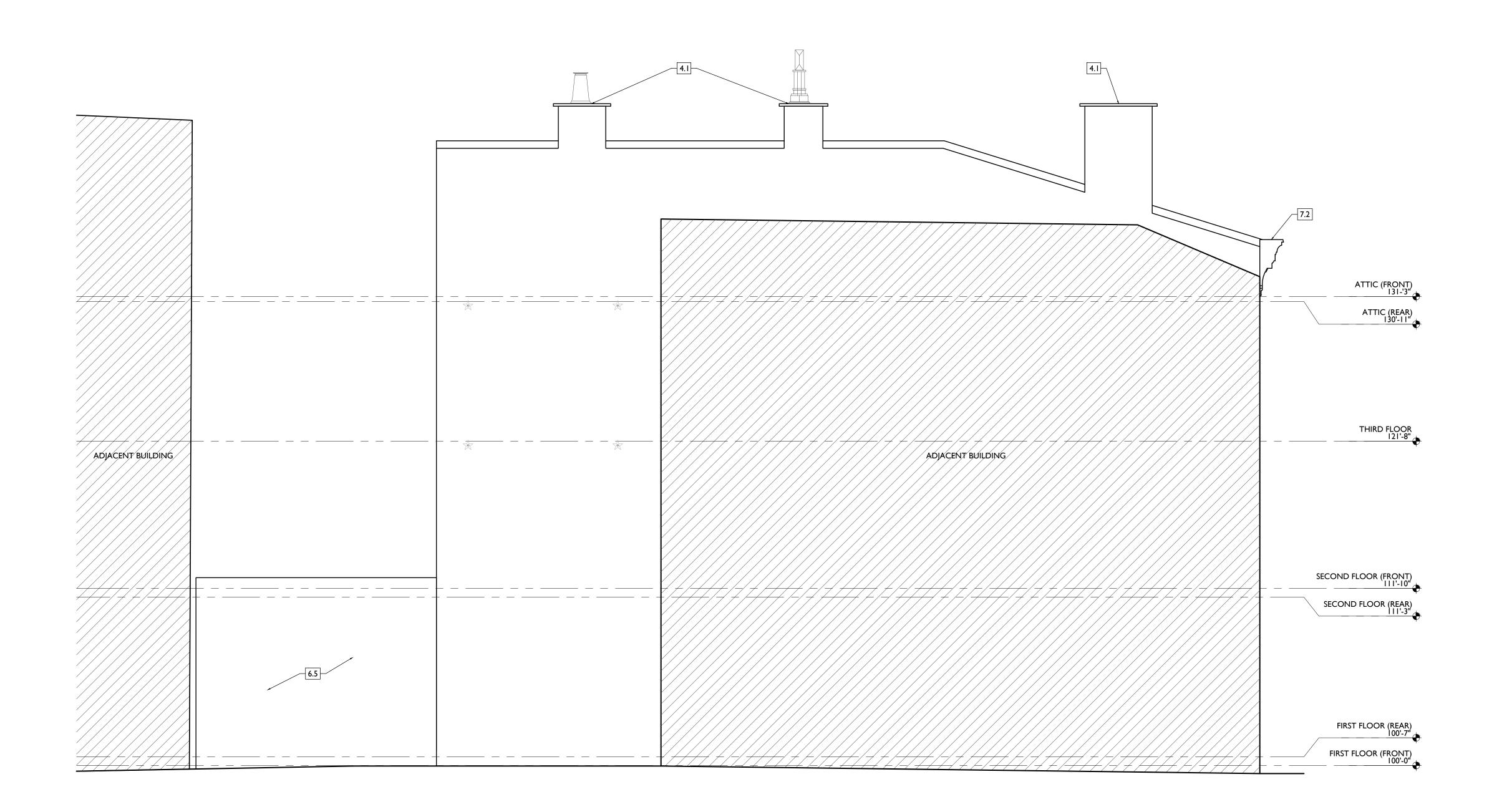
TO REMAIN **EXG INTERIOR WALL** TO REMAIN __ _ _ EXG WALL/ELEMENT — — — TO BE REMOVED EXG DOOR & FRAME TO BE REMOVED REMOVED EXG FLOOR OR WALL CONSTRUCTION TO BE REMOVED

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Design Team:
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Drawn by:
MR, AM

ONSTRUCTION





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Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM

ONSTRUCTION

5.1 EXG RUSTED BASEMENT HATCH TO BE REMOVED ENTIRELY.

6.2 EXG HISTORIC WOOD STAIR TO REMAIN IN PLACE. REMOVE

6.1 EXG NON-HISTORIC WOOD STAIR TO REMAIN IN PLACE. REMOVE

6. WOOD, PLASTICS, AND COMPOSITES

NON-HISTORIC GUARDRAIL/HANDRAIL.

8.9 EXG INFILL TO BE REMOVED FROM EXG WINDOW OPG, BACK TO

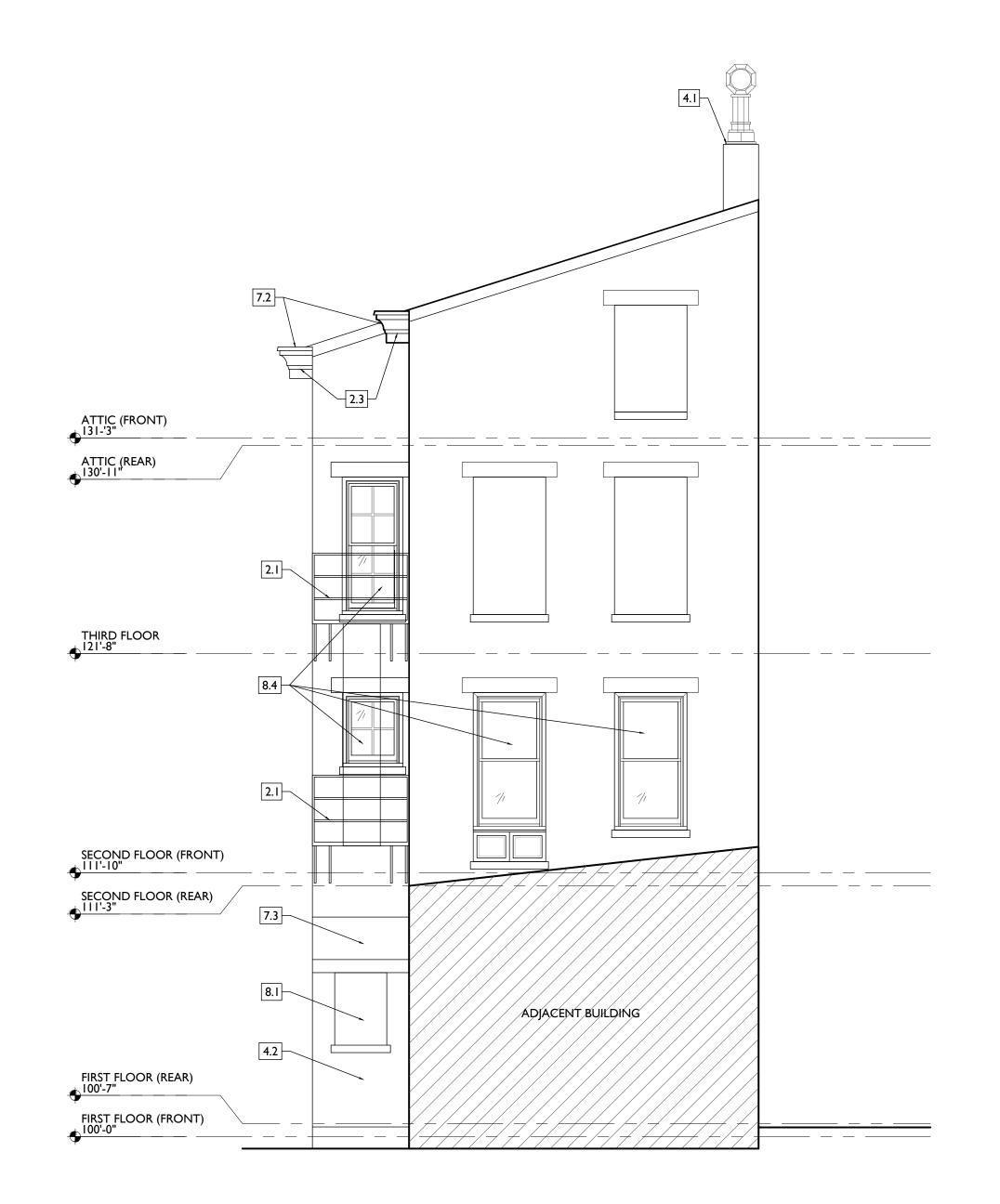
8.10 EXG SKYLIGHT TO BE REMOVED. SKYLIGHT CURB TO BE REPAIRED

REMOVED & REINSTALLED OVER FURRING. SEE NEW WORK PLANS.

8.11 EXG HISTORIC INTERIOR TRANSOM/TRIM TO BE CAREFULLY

ORIGINAL MASONRY OPG.

AS REQ TO RECEIVE NEW SKYLIGHT.



ADDITIONAL INFORMATION REGARDING

E. IN AREAS OF NEW MASONRY OPENINGS, SALVAGE

HISTORIC BRICK FOR REUSE & CAREFULLY SORT

AND SEPARATE HARD-FIRED FACE BRICK FROM

ELEMENTS TO BE RETAINED:

INTERIOR WALLS TO REMAIN. REMOVE LOOSE OR

REPLACE DAMAGED/DETERIORATED SUBSTRATE AS

DETERIORATED PLASTER AT MASONRY WALLS.

Q. ROOFING DOWN TO EXG. SUBSTRATE, U.N.O.

OT FOR CONSTRUCTION

Progress Dates
2023.04.28 - BID/PERMIT
2024.08.30 - BID SET 2

Revisions

Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

AD2.02

6-OVER-6 WINDOW.

ORIGINAL MASONRY OPG.

AS REQ TO RECEIVE NEW SKYLIGHT.

INFORMATION.

8.7 EXG HISTORIC DOOR/FRAME/OPG TO REMAIN IN PLACE. REPAIR AS

8.8 EXG HISTORIC DOOR/FRAME/OPG TO BE RELOCATED. REPAIR AS

8.9 EXG INFILL TO BE REMOVED FROM EXG WINDOW OPG, BACK TO

8.10 EXG SKYLIGHT TO BE REMOVED. SKYLIGHT CURB TO BE REPAIRED

8.11 EXG HISTORIC INTERIOR TRANSOM/TRIM TO BE CAREFULLY

REQ. SEE NEW WORK PLANS & DOOR TYPES/SCHEDULE FOR MORE

REQ. SEE NEW WORK PLANS & DOOR TYPES/SCHEDULE FOR MORE

REMOVED & REINSTALLED OVER FURRING. SEE NEW WORK PLANS.

4. MASONRY

5. METALS

STRUCTURAL DWGS.

6. WOOD, PLASTICS, AND COMPOSITES

NON-HISTORIC GUARDRAIL/HANDRAIL.

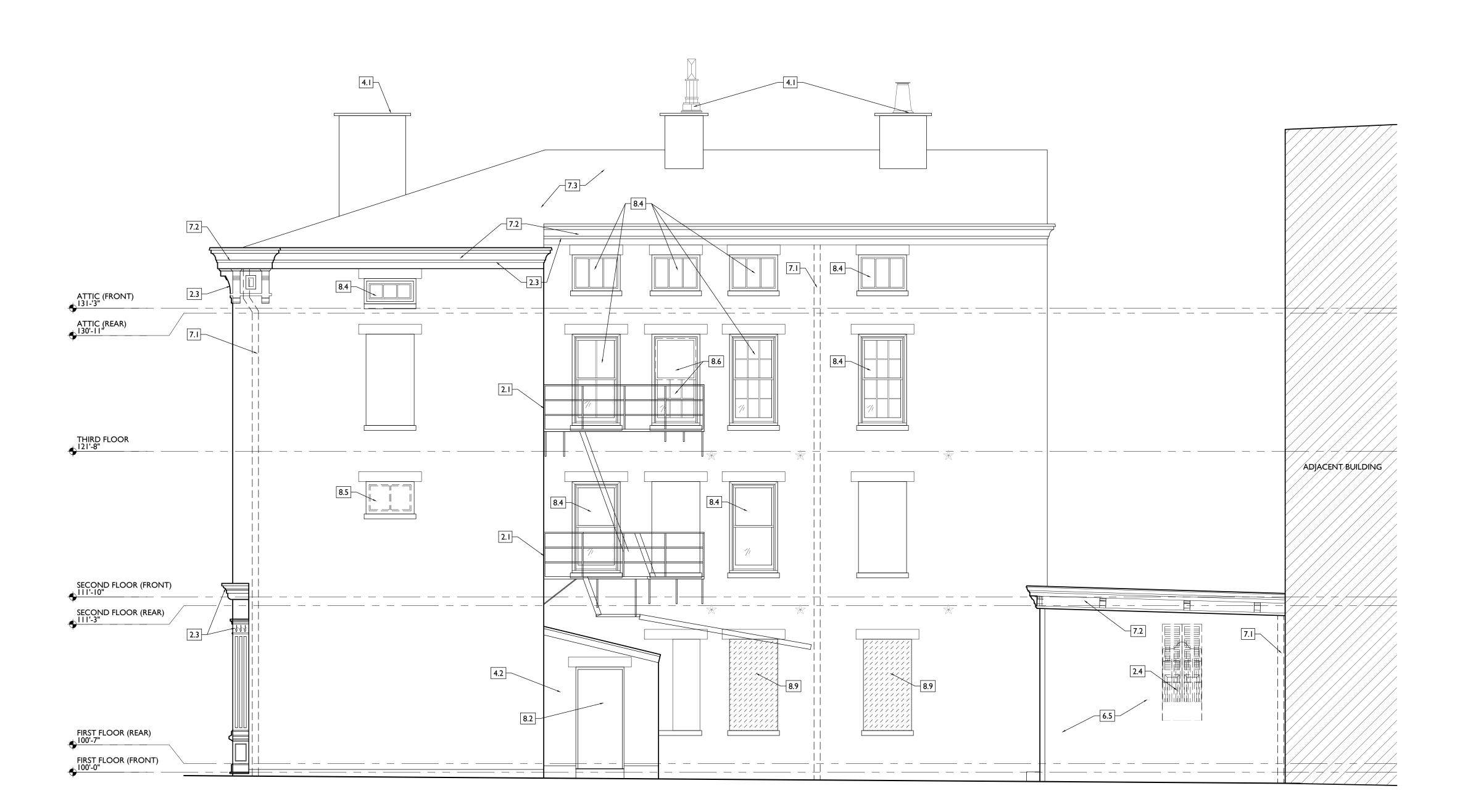
4.1 EXG CHIMNEY TO REMAIN. REPAIR CHIMNEY POTS AS REQ.

4.2 EXG MASONRY STRUCTURE/ADDITION TO BE REPAIRED. SEE

5.1 EXG RUSTED BASEMENT HATCH TO BE REMOVED ENTIRELY.

6.2 EXG HISTORIC WOOD STAIR TO REMAIN IN PLACE. REMOVE

6.1 EXG NON-HISTORIC WOOD STAIR TO REMAIN IN PLACE. REMOVE



IN CORRIDORS.

EDGES U.N.O.

5. EXPOSED MASONRY EDGES ARE TO BE FIRED

D. AT COMPLETION OF DEMOLITION, ALL FLOORS

E. IN AREAS OF NEW MASONRY OPENINGS, SALVAGE

HISTORIC BRICK FOR REUSE & CAREFULLY SORT

AND SEPARATE HARD-FIRED FACE BRICK FROM

ADDITIONAL INFORMATION REGARDING

SHALL BE SWEPT BROOM CLEAN.

ELEMENTS TO BE RETAINED:

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Revisions

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Drawn by:
MR, AM

STREET

CONSTRUCTION

807

Job No: 22042 08/30/2024

O. NON-HISTORIC STAIRS (SHOWN DASHED).

P. PLASTER & LATH: REFER TO HISTORIC NARRATIVES

FOR SPECIFIC GUIDELINES FOR PLASTER REPAIR,

WHEN REQ. FOLLOW THESE GUIDELINES FOR THE

REMOVAL OR RETENTION OF PLASTER AND LATH,

INTERIOR WALLS TO REMAIN. REMOVE LOOSE OR

REPLACE DAMAGED/DETERIORATED SUBSTRATE AS

DETERIORATED PLASTER AT MASONRY WALLS.

Q. ROOFING DOWN TO EXG. SUBSTRATE, U.N.O.

UNO. RETAIN AND REPAIR PLASTER AT HISTORIC

GENERAL NOTES:

I. CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION IN THESE DRAWINGS.

2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, INCLUDING SITE CONDITIONS. ALL ERRORS, OMISSIONS, AND INCONSISTENCIES ARE TO BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. FAILURE TO DO SO WILL RELEASE THE ARCHITECT OF ALL RESPONSIBILITY. ANY CHANGES FROM THESE DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THESE DRAWINGS ARE NOT TO BE SCALED. IF INSUFFICIENT INFORMATION EXISTS, CONTACT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. EACH CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS AS MAY EFFECT HIS OWN WORK, DESIGN/BUILD OR OTHERWISE.

3. BEST MANAGEMENT PRACTICES SHALL BE USED BY THE CONTRACTOR DURING DEMOLITION TO PREVENT RELEASE OF LEAD-CONTAMINATED DUST FROM DEMOLITION ACTIVITIES. ALL PAINT CHIPS AND OTHER DEBRIS OR RESIDUE SHALL BE REMOVED FROM THE PROJECT SITE AT THE COMPLETION OF DEMOLITION. STORAGE AND TRANSPORT OF MATERIALS KNOWN OR ASSUMED TO CONTAIN LEAD BASED PAINT SHALL BE COVERED TO PREVENT ACCESS TO OR RELEASE OF LEAD-CONTAMINATED DUST OR DEBRIS.

4. IT SHALL BE THE RESPONSIBILITY OF THE BUILDING OWNER TO SUPERVISE CONSTRUCTION AND INSURE THAT THESE DRAWINGS ARE COMPLIED IN THE EVENT THAT THIS ARCHITECT IS NOT RETAINED FOR SUCH SERVICES.

5. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS, INCLUDING THE AMERICANS WITH DISABILITIES ACT, HAVING AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK, AND SHALL BE DONE TO THE HIGHEST STANDARDS OF CRAFTSMANSHIP BY EACH RESPECTIVE TRADE.

6. GUARANTEES SHALL BE REQUIRED OF ALL BRANCHES OF THE WORK. CONTRACTORS TO REMEDY ANY DEFECTS IN THEIR WORK AND PAY FOR ANY RESULTANT DAMAGES TO OTHER WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.

7. CONTRACTOR SHALL SUPERVISE THE WORK DURING PROGRESS AND SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SAFETY; COMPLIANCE TO BE IN ACCORDANCE WITH ALL STATE, FEDERAL AND O.S.H.A. REGULATIONS.

8. CONTRACTOR AND ALL SUB-CONTRACTORS SHALL MAINTAIN THE JOB CLEAR OF TRASH AND DEBRIS. ALL WASTE MATERIAL, TOOLS,
CONSTRUCTION EQUIPMENT AND SURPLUS MATERIAL SHALL BE REMOVED FROM THE SITE PRIOR TO

SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE.

9. CONTRACTOR SHALL PRESENT THE PROJECT TO THE OWNER FOR ACCEPTANCE, CLEAN AND READY FOR USE. ALL GLASS TO BE CLEANED, FLOORS SWEPT BROOM CLEAN, FIXTURES WASHED AND LABELS REMOVED FROM

IO. ANY CONTRACTOR OF SUBCONTRACTOR WHO PERFORMS ANY WORK KNOWING IT TO BE CONTRARY TO APPLICABLE LAWS, ORDINANCES OR REGULATION, AND WITHOUT WRITTEN NOTICE TO THE ARCHITECT SHALL ASSUME FULL RESPONSIBILITY AND SHALL BEAR ALL ATTRIBUTABLE COSTS.

II. IN THE EVENT OF ANY CONFLICT BETWEEN ARCHITECTURAL DRAWINGS OR SPECIFICATIONS AND STRUCTURAL DRAWINGS OR SPECIFICATIONS, STRUCTURAL SHALL GOVERN.

12. PROJECT IS TO RECEIVE HISTORIC TAX CREDITS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE WELL VERSED IN THE APPROVED PART 2 AND SUBSEQUENT AMENDMENTS, AND TO INFORM SUBCONTRACTORS OF ANY CHANGES /APPROVALS DURING THE BIDDING AND THE CONSTRUCTION PHASES.

GENERAL NOTES: ALL TRADES

ALL ITEMS.

I. FURNISH ALL LABOR, MATERIAL AND APPURTENANCES NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM AS SHOWN OR REQUIRED.

2. ALL WORK SHALL CONFORM TO APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. EACH CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, TESTS AND INSPECTIONS FOR HIS OWN WORK AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.

3. PERFORM ALL TESTS, ADJUSTMENTS, ETC. AS REQUIRED BY EQUIPMENT MANUFACTURER OR AUTHORITIES HAVING JURISDICTION.

4. CONTRACTORS SHALL VISIT SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS AS MAY EFFECT HIS OWN WORK. EACH CONTRACTOR SHALL COORDINATE HIS OWN WORK WITH THAT OF OTHER TRADES.

5. EACH CONTRACTOR SHALL FURNISH ALL CUTTING AND PATCHING REQUIRED FOR HIS OWN WORK. NO CUTTING SHALL BE PERFORMED WITHOUT PRIOR APPROVAL OF GENERAL CONTRACTOR.

6. WORKMANSHIP SHALL REPRESENT THE HIGHEST STANDARD OF THE INDUSTRY. GUARANTEE ALL MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE.

GENERAL CONDITIONS

CONTRACT DOCUMENTS: INCLUDE THESE GENERAL CONDITIONS FOR CONSTRUCTION, DRAWINGS, SCHEDULES, AND SPECIFICATIONS PREPARED BY THE ARCHITECT AND CONTAINED HEREIN, AND ALL WRITTEN ADDENDA OR OTHER MODIFICATIONS ISSUED SUBSEQUENTLY BY THE ARCHITECT. THE CONTRACT DOCUMENTS SHALL NOT BE CONSTRUED TO CREATE ANY CONTRACTUAL RELATIONSHIP OF ANY KIND BETWEEN THE ARCHITECT AND THE CONTRACTOR.

CONTRACT MODIFICATIONS: THESE CONTRACT

DOCUMENTS SHALL NOT BE FURTHER MODIFIED BY ANY TERMS OR CONDITIONS OTHER THAN THOSE LISTED HEREIN OR IN THE SPECIFICATIONS, OR IN ANY WRITTEN AGREEMENTS EXECUTED BY THE OWNER, CONTRACTOR AND SUBCONTRACTORS.

NOTES WRITTEN IN THE IMPERATIVE MOOD REFER TO ACTION TO BE PERFORMED BY THE CONTRACTOR. THE WORDS "THE CONTRACTOR SHALL" ARE ALWAYS IMPLIED, IF NOT STATED, UNLESS OTHERWISE NOTED. THE TERM "CONTRACTOR" SHALL ALSO APPLY TO ALL SUBCONTRACTORS OF THE CONTRACTOR.

THE CURRENT EDITION OF AIA DOCUMENT A101 SHALL BE THE FORM OF AGREEMENT TO BE SIGNED BY THE OWNER AND GENERAL CONTRACTOR, UNLESS THE OWNER AND CONTRACTOR MUTUALLY AGREE OTHERWISE. GENERAL CONDITIONS CONTAINED IN AIA DOCUMENT A201 SHALL

BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED TO CONTROL EROSION DURING CONSTRUCTION AND UNTIL FINAL COVER IS ESTABLISHED.

THE CONTRACTOR SHALL BE NOTIFIED, BOTH VERBALLY AND THROUGH NOTATIONS ON THE FINAL CONST. DWG, THAT WORK SHALL BE HALTED AT A LOT IF INDICATORS OF CONTAMINATION (FILL OTHER THAN "CLEAN FILL", DISCOLORED SOILS OR CHEMICAL/ PETROLEUM ODORS) ARE IDENTIFIED DURING CONST. TO ALLOW FOR A QUALIFIED ENVIRONMENTAL PROFESSIONAL TO INSPECT THE LOT AND MAKE RECOMMENDATIONS REGARDING APPROPRIATE ACTIONS.

ANY WATER WELLS OR SEPTIC SYSTEMS IDENTIFIED DURING SITE DEVELOPMENT SHALL BE ABANDONED AS REQUIRED BY OAC 3745-9-10 OR 3701-29-21, AS APPLICABLE, AND AFTER CONSULTATION W/ THE LOCAL HEALTH DEPARTMENT.

DEFINITIONS:

"CONTRACTOR": THE PERSON OR ENTITY CONSTRUCTING THE DESIGNATED WORK.

"OWNER": THE PERSON OR ENTITY THAT OWNS THE BUILDING BEING RENOVATED. THE TERM "OWNER" INCLUDES HIS DESIGNATED AND AUTHORIZED AGENTS AND REPRESENTATIVES.

"WORK": THE TERM "WORK" MEANS OBLIGATIONS UNDERTAKEN BY THE CONTRACTOR PURSUANT TO THE CONTRACT DOCUMENTS. WORK INCLUDES THE FURNISHING OF ALL MATERIAL, LABOR, EQUIPMENT, SUPPLIES, TOOLS, SCAFFOLDING, SUPERVISION, TRANSPORTATION, INSURANCE, TAXES AND ALL OTHER SERVICES, INCIDENTALS AND EXPENSES NECESSARY FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

"PROJECT": THE PROJECT IS THE TOTAL CONSTRUCTION OF WHICH THE WORK PERFORMED UNDER THE CONTRACT DOCUMENTS MAY BE THE WHOLE OR A PART.

"CONTRACT DOCUMENTS": THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS REQUIRED FOR COMPLETION OF THE WORK, INCLUDING DRAWINGS AND SPECIFICATIONS. ALTHOUGH THE CONTRACT DOCUMENTS HAVE BEEN PREPARED WITH DUE CARE AND DILIGENCE, PERFECTION CANNOT BE GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF THE VARIOUS PARTS OF THE WORK SO THAT NO PART SHALL BE IN AN UNFINISHED OR INCOMPLETE CONDITION.

DRAWINGS PREPARED BY OTHERS:

ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DWGS SHALL BE WORKED TOGETHER, INCLUDING THE LOCATION OF DEPRESSED SLABS, SLOPES, DRAINS, REGLETS, BOLT SETTINGS, ETC. ANY DISCREPANCY SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

SHOP DWGS PREPARED BY OTHER CONTRACTORS MAY BE REQUIRED TO SUPPLEMENT THE CONTRACT DOCUMENTS. SUCH DWGS ARE FURNISHED FOR THE CONTRACTOR'S INFORMATION AND COORDINATION ONLY.

GENERAL NOTES: PROPOSED WORK

- A. THIS IS A HISTORIC TAX CREDIT PROJECT. WORK MUST COMPLY W/ APPROVED PART 2, INCLUDING AMENDMENTS.
- B. NO HISTORIC ELEMENTS SHALL BE REMOVED/MODIFIED UNLESS SPECIFICALLY INDICATED IN ARCH PLANS.
- C. REPAIR OR REPLACE EXG DAMAGED OR DETERIORATED FLOOR FRAMING &/OR WOOD SUBFLOOR PER STRUCT DWGS.
- D. HISTORIC TRIM TO BE RETAINED, U.N.O. SEE DEMO & PROPOSED PLANS.
- E. RETAIN ANY REMAINING HISTORIC WOOD WINDOW SASH, FRAMES, BRICKMOLD & SHUTTER HARDWARE, U.N.O. SEE DEMO & EXTERIOR ELEVATIONS.
- F. REPAIR MATERIALS THAT ARE DETERIORATED OR HAVE MOISTURE/FIRE DAMAGE AS REQ. IF DAMAGE IS SEVERE AND HISTORIC ELEMENTS ARE NON-SALVAGEABLE, COORDINATE REPLACEMENT ELEMENTS WITH ARCHITECT.
- G. SEE CODE SHEETS FOR ROOF/FLOOR/CEILING ASSEMBLY LOCATIONS & PARTITION SCHEDULE FOR TYPES.
- H. PENETRATIONS OF RATED ASSEMBLIES TO BE PROTECTED PER SECTION 713.3 & 713.4 OBC.
- COORD W/ MEP DWGS.

 I. PROVIDE FIRE BLOCKING PER 717.2 OBC.
- J. PROVIDE DRAFTSTOPPING IN FLOORS, CLGS/ROOFS & ATTICS PER OBC.
 K. PROVIDE BLOCKING FOR SHELVING, CABINETS AND BATHROOM ACCESSORIES AND GRAB BARS. SEE PLANS AND INTERIOR ELEVATIONS.
- L. USE PRESSURE TREATED WOOD IN THE FOLLOWING LOCATIONS:
 EXTERIOR APPLICATIONS.
 IN BASEMENTS.
- WOOD IN CONTACT WITH MASONRY, STONE, OR CONCRETE.
 AT ANY NEW FRAMING IN CONTACT W/ MASONRY OR FOUNDATION WALL, PROVIDE
 SEPARATION/ JOIST & REAM END WRAPS
- SEPARATION/ JOIST & BEAM END WRAPS.

 M. EXTERIOR TRIM, SOFFITS, CORNICE AND STOREFRONT ELEMENTS TO BE
 REPAIRED/RETAINED/REPLACED AND PAINTED AS NOTED IN DRAWINGS. EXG.
 UN-PAINTED BRICK AND STONE TO REMAIN UNPAINTED. SEE EXTERIOR ELEVATIONS FOR
- SCOPE OF WORK. COORD COLORS DIRECTLY W/ ARCHITECT.

 AF. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND CONNECTIONS OF ALL MEP EQUIPMENT.
- AG. PROVIDE SLEEVES THROUGH EXG. BRICK WALL IN ATTIC AS REQUIRED FOR HVAC LINE-SET INSTALLATION.
- AH. ADDITIONAL OPENINGS IN EXTERIOR WALLS WILL BE REQUIRED FOR VARIOUS MEP DUCTS/PIPES/ETC, AND ARE NOT SHOWN ON ARCH & STRUCT PLANS. COORD W/ MEP PLANS. CONTACT ARCHITECT FOR PLACEMENT.
- PLANS. CONTACT ARCHITECT FOR PLACEMENT.

 AI. PROVIDE FIRE EXTINGUISHERS PER CODE SUMMARY & NFPA REQS. COORD W/ FIRE
- MARSHALL.

 AJ. FASTENERS INTO EXISTING HISTORIC MASONRY WALLS ARE TO BE FASTENED INTO
- MORTAR JOINTS.

 AK. EXTERIOR STEEL TO BE DUPLEX-FINISH (GALVANIZED, WITH HIGH-PERFORMANCE COMPATIBLE EPOXY PAINT).
- AL. REPAIR & RESEAL AROUND EXG. CHIMNEYS, TYP. AS REQ. PROVIDE NEW ALUM CAP, TYP. AM. EXTERIOR WOOD TO BE PRESSURE TREATED.
- AN. WHERE INFILLING EXISTING OPENINGS IN, OR EXTENDING THE LENGTH OF AN EXISTING WOOD FRAMED PARTITION, FINISH FACES OF THE NEW CONSTRUCTION ARE TO ALIGN WITH ADJACENT EXISTING FINISH FACES ON BOTH SIDES.
- AO. SHEET METAL WORK TO COMPLY WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL.

 AP. FLASH AND SEAL NEW ROOF PENETRATIONS THROUGH EXISTING ROOF. EMPLOY
 INSTALLERS ACCEPTABLE TO EXISTING ROOF MANUFACTURER AND COMPLY WITH
 EXISTING ROOF MANUFACTURER REQUIREMENTS TO MAINTAIN EXISTING ROOF
 WARRANTY
- AQ. BASEMENTS TO BE TESTED FOR RADON EXPOSURE. PROVIDE VAPOR MITIGATION SYSTEM BELOW BASEMENT SLAB AS REQUIRED. CONNECT TO VERTICAL VENTS INDICATED IN FLOOR PLANS.
- AR. MASONRY WORK: REFER TO PART 2 SHPO NARRATIVES AND STRUCTURAL DRAWINGS FOR FULL EXTENT AND SCOPE FOR MASONRY CLEANING, TUCK-POINTING, REPAIR, REPLACEMENT, AND PAINTING.
- AS. MASONRY CLEANING: CONTRACTOR SHALL PERFORM MASONRY CLEANING WORK IN ACCORDANCE WITH PRESERVATION BRIEF 6 - "DANGERS OF ABRASIVE CLEANING TO HISTORIC BUILDINGS." CONTRACTOR SHALL CLEAN EXISTING MASONRY THROUGHOUT USING THE GENTLEST MEANS POSSIBLE AND SHALL START EACH NEW METHOD OF CLEANING (E.G. BY BRUSH, WITH DETERGENT, WITH WATER PRESSURE, ETC.) IN DISCRETE AREA OF EACH WALL. CONTRACTOR SHALL BEGIN BY CLEANING WITH WATER AND NATURAL BRISTLE BRUSHES. CONTRACTOR SHALL THEN CLEAN ANY AREAS THAT REQUIRE FURTHER CLEANING USING NON-ABRASIVE, NON-ACIDIC DETERGENTS WITH NATURAL BRISTLE BRUSHES. CONTRACTOR SHALL THEN CLEAN ANY AREAS THAT REQUIRE FURTHER CLEANING USING NON-ABRASIVE. NON-ACIDIC DETERMENTS WITH LOW PRESSURE WATER (STARTING AT 20 PSI AT TIP). UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE PRESSURE WASHING WITH GREATER THAN 40 PSI AT TIP. CLEANING SHALL BE PERFORMED EVENLY THROUGHOUT THE ENTIRETY OF EACH WALL. WALLS WHERE STUCCO / PARGING IS TO REMAIN SHALL NOT BE CLEANED WITH PRESSURE WASHING. REMOVE EXISTING LOOSE STUCCO / PARGING BY HAND WITH BRUSHES. PRESERVATION BRIEF 6 - "DANGERS OF ABRASIVE CLEANING TO HISTORIC BUILDINGS: HTTPS://WWW.NPS.GOV/TPS/HOW-TO-PRESERVE/BRIEFS/6-DANGERS-ABRASIVE-CLEANING.HTM
- AT. PARGING: CONTRACTOR TO TEST AND ASSESS THE INTEGRITY OF EXISTING STUCCO / PARGING ON EXISTING MASONRY WALLS. ANY STUCCO / PARGING TO REMAIN MUST BE SECURELY HELD TO EXISTING MASONRY WALL. ANY STUCCO / PARGING THAT IS NOT SECURELY HELD TO MASONRY WALL SHALL BE REMOVED THROUGH GENTLEST MEANS POSSIBLE (SEE MASONRY CLEANING ABOVE). NEW STUCCO / PARGING SHALL BE INSTALLED WHERE EXISTING STUCCO / PARGING HAS BEEN REMOVED, AND AS INDICATED ON THE DRAWINGS, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S HIGHEST RECOMMENDATIONS USING ALL ASSOCIATED COMPONENTS FOR FLASHING, PENETRATIONS, ETC. STUCCO / PARGING SHALL BE INSTALLED ON MASONRY JAMB SURFACES OF NEW DOOR AND WINDOWS OPENINGS UP TO THE WINDOW / DOOR UNIT. NEW STUCCO / PARGING SHALL MATCH EXISTING IN TEXTURE AND COLOR. NEW STUCCO / PARGING SHALL BE A THREE-COAT SYSTEM (SCRATCH COAT, BROWN COAT AND FINISH COAT) WITH A GLASS FIBER REINFORCED LATH. BASIS-OF-DESIGN IS "SENERGY" BRAND, "SENERGY SENTRY STUCCO WALL SYSTEM PERMALATH 1000" WITH PRE-MIXED "SENTRY STUCCO BASE" AND "SENERLASTIC" FINISH COAT WITH TEXTURE TO MATCH EXISTING. CONTROL JOINTS TO BE ALIGNED WITH OPENINGS
- MATCH EXISTING. CONTROL JOINTS TO BE ALIGNED WITH OPENINGS.
 AU. GYPSUM BOARD: SEE PARTITION SCHEDULE. MOLD & MOISTURE RESISTANT GYPSUM
- BOARD IN ALL WET AREAS RESTROOMS, KITCHENS, LAUNDRY, BASEMENTS.

 AV. STORM WINDOWS: FRAME WIDTH CANNOT REDUCE THE DAYLIGHT OPENING OF THE WINDOW & THE CENTER CHECK RAIL MUST ALIGN WITH THE WINDOW CENTER CHECK RAIL. NO SCREENS.
- AW.PROVIDE UNIT ENTRY SIGNAGE PER FINISH SCHEDULE AT EACH RESIDENTIAL UNIT ENTRY. FINAL LOCATION TO BE DETERMINED BY OWNER. IF MOUNTING ON DOOR, ENSURE INSTALLATION DOES NOT VOID RATING OF DOOR ASSEMBLY.
- AX. PROVIDE BLINDS AT RESIDENTIAL UNITS PER FINISH SCHEDULE. QUANTITY AND LOCATIONS BY OWNER.
- AY. SUBCONTRACTOR TO PROVIDE RECOMMENDED ALLOWANCE FOR PLASTER REPAIR.

 AZ. ALL NEW WORK DIMENSIONS ARE TAKEN FROM FACE OF STUD, U.N.O. DIMENSIONS FROM EXG WALLS TO REMAIN ARE TAKEN FROM FINISH FACE OF PLASTER, U.N.O.

LATTE

Progress Dates
2023.04.28 - BID/PERMIT
2024.08.30 - BID SET 2

Revisions

MR, AM

Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:

T FOR CONSTRUCTION

PPOSED PROJECT:

ENOVATION FOR

807 VINE STREI

Job No: 22042 08/30/2024

A1.00

6.2 NEW RAKE TRIM & GUTTERBOARD TO MATCH EXISTING - SEE RESPONSIBLE FOR THE WORK DESCRIBED IN ALL APPLICABLE NOTES ELEVATIONS. REGARDLESS OF THE CATEGORY IN WHICH THEY OCCUR.

6.3 REPAIR/RETAIN EXG CORNICE. REPAINT. 6.4 REPAIR/REPLACE EXG WOOD SIDING AS REQ. REPLACEMENT

6.5 NEW FRAMING/SHEATHING/DECKING IN THIS AREA. SEE STRUCTURAL DWGS. 6.6 NEW WOOD STRUCTURAL MEMBERS. SEE STRUCTURAL DWGS. 9. FINISHES 6.7 EXHAUST DUCT TO ROOF TO BE CONTAINED WITHIN WALL 9.1 EXG PLASTER AT MASONRY WALL TO BE PATCHED AND CAVITY. COORDINATE WITH MECHANICAL DRAWINGS.

OWNER'S CONSULTANT. SEE CONSULTANT DESIGN FOR SYSTEM DETAILS AND LOCATIONS OF VERTICAL VENTS. SEE 7. THERMAL AND MOISTURE PROTECTION 7.1 REPAIR/RE-LINE EXG BOX GUTTER. 3.3 EXG OPENING TO BASEMENT TO BE CAPPED WITH CONCRETE 7.2 NEW ROUND ALUMINUM DOWNSPOUT PAINTED TO MATCH 9.3 NOT USED.

AT GRADE. WALL TO BE INFILLED W/ CMU. SEE STRUCTURAL ADJACENT WALL SURFACE. SEE EXTERIOR ELEVATIONS. TIE INTO 9.4 NOT USED. EXISTING SEWER SYSTEM. 3.4 INFILL PREVIOUS BASEMENT HATCH/RECESSED ENTRY. 7.3 NEW PVC AT LOWER 6' OF DOWNSPOUT. PAINT TO MATCH 10. SPECIALTIES COORDINATE EXTERIOR PAVEMENT/GRADING WORK W/ CIVIL. DOWNSPOUT.

ADJACENT BUILDING

ALL KEYED NOTES LISTED MAY NOT APPLY TO THIS SHEET.

3.1 NEW CONCRETE SLAB. SLOPE TO DRAIN, AND CONNECT

FLOOR DRAINS SEWER. SEE STRUCTURAL DRAWINGS.

3.2 VAPOR MITIGATION SYSTEM BELOW SLAB, AS REQUIRED BY

AT EXTERIOR. BRICK IS TO MATCH EXG ADJACENT HISTORIC

OPG IS TO BE SET BACK I" FROM FACE OF EXG WALL. SEE

4.4 REPAIR EXG MASONRY STRUCTURE/ADDITION AS REQ. SEE

3. CONCRETE

PER SHPO NARRATIVE.

STRUCTURAL DWGS.

7.4 NEW FULLY ADHERED WHITE TPO MEMBRANE ROOF W/ CRICKETS WHERE REQUIRED FOR POSITIVE DRAINAGE AND W/ 4.1 TUCKPOINT BRICK AS SHOWN ON STRUCTURAL ELEVATIONS & TERMINATION BARS & METAL COUNTERFLASHING - SEE ROOF 10.2 ENTRY SYSTEM CALLBOX B.O.D. = "2N ACCESS CONTROL" DETAILS. INSULATION PER SCHEDULE. B.O.D - 60 MIL WHITE TPO. 10.3 CLOSETS W/ BLOCKING AT RODS & BRACKETS. PROVIDE 12" 4.2 REPLACE DAMAGED/MISSING BRICK AS SHOWN ON FULLY ADHERED ROOF SYSTEM, 20 YEAR WARRANTY, BY STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE. CARLISLE SYNTEC, CARLISLE, PA, OR EQUIVALENT.

FIXED ROOF WALKWAY PADS.

4.3 OPENING TO BE INFILLED WITH CMU AT INTERIOR AND BRICK 7.5 NEW ROOF ACCESS HATCH, INSTALL PER MANUF'S INSTRUCTS. BASIS OF DESIGN = BILCO E50TB, 36"X36". BRICK IN SIZE, TEXTURE, AND APPEARANCE. FACE OF BRICK IN 7.6 PROVIDE NEW DARK BRONZE METAL CAP AT CHIMNEY. 7.7 NEW STANDING SEAM METAL ROOF. COLOR TBD. SEE ROOF 10.5 FIRE EXTINGUISHER. COORDINATE FINAL LOCATION WITH DETAILS. INSULATION PER SCHEDULE.

7.8 HATCHED AREA SHOWS APPROXIMATE LOCATION OF NEW

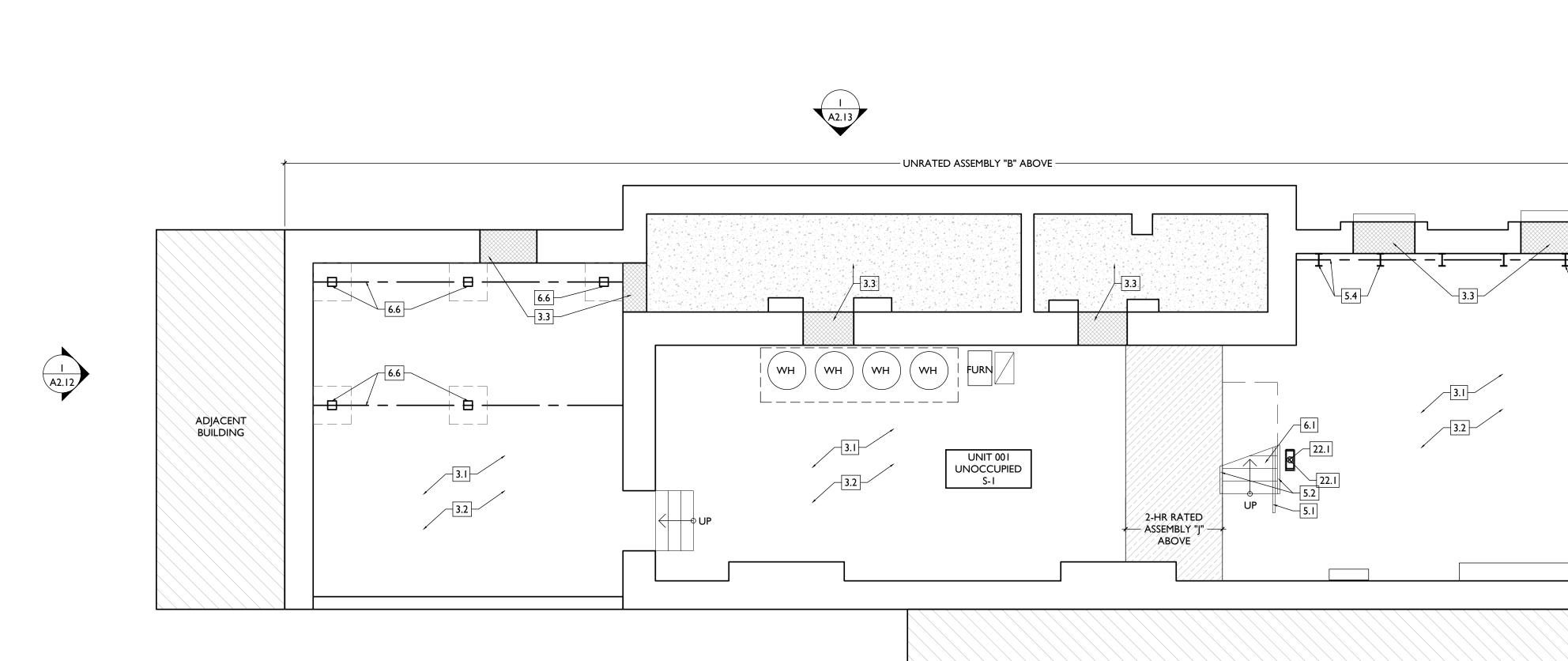
B. WALK-IN CLOSET. C. ABOVE W/D.

DETAILS.

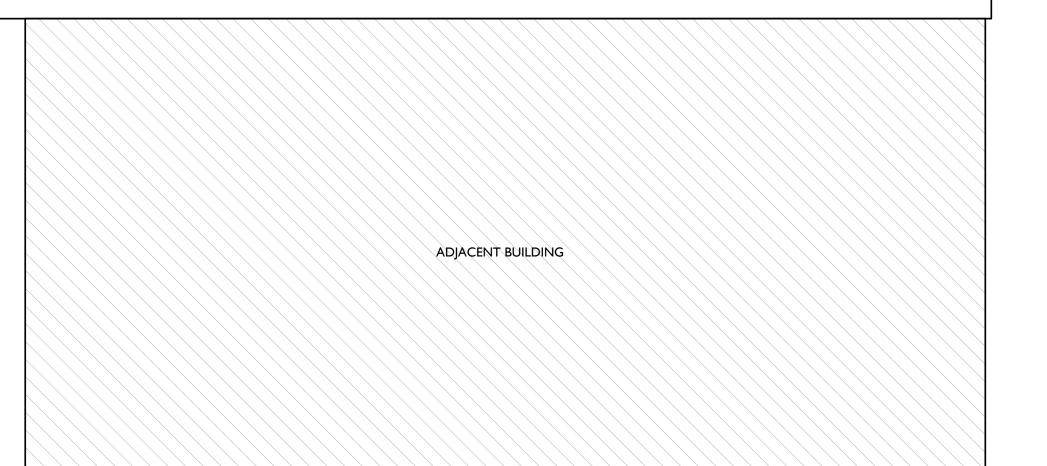
LOCAL FIRE MARSHAL. A. SURFACE MOUNTED. B. IN SINK CABINET IN RESIDENTIAL UNIT, TYPICAL.

4 KEYNOTE. NEW PARTITION WALL. NEW MASONRY WALL. OBJECT OVERHEAD. — IHR — I-HR FIRE RATING. — 2HR — 2-HR FIRE RATING. ADJ - SEE STRUCT DWGS. DROPPED CLG - SEE RCPS. AREA OF ATYPICAL FIRE-RATED ASSEMBLY ABOVE. 100A DOOR TAG. SEE SCHEDULE. WINDOW DESIGNATION. STOREFRONT DESIGNATION. EMERGENCY EGRESS EXIT.

21. FIRE SUPPRESSION 21.1 APPROX LOCATION OF FDC CONNECTION - COORDINATE W/ 8.4 RELOCATED HISTORIC DOOR/OPG. SEE DOOR SCHEDULE. 8.5 RELOCATED HISTORIC WINDOW. SEE WINDOW TYPES AND 21.2 SPRINKLER RISER. SEE PLUMBING DWGS. SIDING IS TO MATCH EXG WOOD SIDING IN SIZE AND PROFILE. 8.6 REINSTALLED HISTORIC INTERIOR TRANSOM. TRANSOM IS TO 21.3 EXTERIOR TAMPER/FLOW NOTIFICATION DEVICE - COORDINATE BE INSTALLED IN EXISTING/HISTORIC LOCATION BUT FIT WITH ELECTRICAL AND FIRE PROTECTION SYSTEMS. WITHIN NEW FURRING. 22. PLUMBING NEW FLOOR & FRAMING TO MATCH 22.1 PROVIDE RADON RISER, AS REQUIRED BY OWNER'S CONSULTANT. RISER TO EXTEND FROM BASEMENT TO ATTIC. REPAIRED, WHERE POSSIBLE. SEE CONSULTANT DESIGN FOR LOCATIONS OF RISERS. SEE NEW GYP BD SOFFIT/ BULKHEAD/ 9.2 FIRE-RATING TO BE CONTINUOUS BEHIND PLUMBING/CHASE/ NOTE 3.2. COORDINATE WITH PLUMBING. 22.2 PLUMBING CHASE (OR WALL) - VERIFY LOCATIONS IN FIELD TO FURRING WALL. FIRE RATING TO BE CONTINUOUS AT INTERSECTION W/ NON-RATED WALL. ALIGN CONCEALMENT BETWEEN FLOORS. 22.3 HOSEBIB LOCATION. SEE PLUMBING DRAWINGS. 23. HEATING, VENTILATING, AND AIR CONDITIONING 23.1 MECHANICAL UNIT(S) - WALKING PADS TO & AROUND 10.1 LOCKABLE & RECESSED MAILBOXES. BOXES TO MEET USPS-4C EQUIPMENT. GUARDRAIL REQUIRED IF EQUIPMENT < 10' FROM STANDARDS & ACCESSIBILITY REQUIREMENTS. PROVIDE CONT ROOF EDGE. SEE HVAC & STRUCTURAL DWGS. FIRE-RATING BEHIND MAILBOXES, WHEN REQ. A. ROOF <3:12, INSTALL C.U. ON SOUND ISOLATING PADS 23.2 NEW EXHAUST/INTAKE LOUVERS ON EXTERIOR WALL. LOUVERS TO BE PAINTED TO MATCH ADJACENT BRICK. SEE ELEVATIONS AND MECHANICAL DWGS. MELAMINE SHELF & CLOTHES ROD @ 66" A.F.F.; TYP U.N.O.: A. TYP. REACH-IN CLOSET 23.3 EXHAUST SHAFT FOR FUTURE KITCHEN EXHAUST. OPG CONTAINS TEMPERED GLAZING. SINGLE HUNG OPG - UPPER SASH TO BE 10.4 PROVIDE "NO SMOKING" SIGN AT EXTERIOR WALL. 26.1 ELECTRIC PANEL RECESSED IN WALL W/ 30"W X 36"D CLEAR IN FIXED WITHIN 3'-0" OF EXHAUST. FRONT. PAINT TO MATCH ADJACENT WALL W APPROPRIATE PAINT TYPE FOR PANEL. $\bullet^{X'-X''}$ ELEVATION TAG. 26.2 NEW EXTERIOR LIGHTING. NO EXPOSED CONDUIT ON FACE OF BUILDING. 10.6 PROVIDE DRAIN PAN BENEATH WASHING MACHINE/ WATER 26.3 NEW MAST HEAD. SEE ELECTRICAL DWGS. HEATER. SEE PLUMBING DWGS.



A2.11



Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

Progress Dates

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

REET

ONSTRUCTION

Job No: 22042

NEW WORK GRAPHIC KEY:

PARTITION TYPE - TYPE I U.N.O.

ALL KEYED NOTES LISTED MAY NOT APPLY TO THIS SHEET.

3.1 NEW CONCRETE SLAB. SLOPE TO DRAIN, AND CONNECT FLOOR DRAINS SEWER. SEE STRUCTURAL DRAWINGS. 3.2 VAPOR MITIGATION SYSTEM BELOW SLAB, AS REQUIRED BY OWNER'S CONSULTANT. SEE CONSULTANT DESIGN FOR

3.3 EXG OPENING TO BASEMENT TO BE CAPPED WITH CONCRETE 7.2 NEW ROUND ALUMINUM DOWNSPOUT PAINTED TO MATCH 9.3 NOT USED. AT GRADE. WALL TO BE INFILLED W/ CMU. SEE STRUCTURAL

SYSTEM DETAILS AND LOCATIONS OF VERTICAL VENTS. SEE

3.4 INFILL PREVIOUS BASEMENT HATCH/RECESSED ENTRY.

3. CONCRETE

4.1 TUCKPOINT BRICK AS SHOWN ON STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE.

OPG IS TO BE SET BACK I" FROM FACE OF EXG WALL. SEE

- 4.2 REPLACE DAMAGED/MISSING BRICK AS SHOWN ON STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE. AT EXTERIOR. BRICK IS TO MATCH EXG ADJACENT HISTORIC
- 4.4 REPAIR EXG MASONRY STRUCTURE/ADDITION AS REQ. SEE STRUCTURAL DWGS.

- 6.3 REPAIR/RETAIN EXG CORNICE. REPAINT.
- 6.4 REPAIR/REPLACE EXG WOOD SIDING AS REQ. REPLACEMENT
- 6.5 NEW FRAMING/SHEATHING/DECKING IN THIS AREA. SEE STRUCTURAL DWGS. 6.6 NEW WOOD STRUCTURAL MEMBERS. SEE STRUCTURAL DWGS. 9. FINISHES
- 6.7 EXHAUST DUCT TO ROOF TO BE CONTAINED WITHIN WALL 9.1 EXG PLASTER AT MASONRY WALL TO BE PATCHED AND CAVITY. COORDINATE WITH MECHANICAL DRAWINGS.

7. THERMAL AND MOISTURE PROTECTION

- 7.1 REPAIR/RE-LINE EXG BOX GUTTER. ADJACENT WALL SURFACE. SEE EXTERIOR ELEVATIONS. TIE INTO 9.4 NOT USED. EXISTING SEWER SYSTEM. 7.3 NEW PVC AT LOWER 6' OF DOWNSPOUT. PAINT TO MATCH 10. SPECIALTIES
- COORDINATE EXTERIOR PAVEMENT/GRADING WORK W/ CIVIL. DOWNSPOUT. 7.4 NEW FULLY ADHERED WHITE TPO MEMBRANE ROOF W/ CRICKETS WHERE REQUIRED FOR POSITIVE DRAINAGE AND W/ TERMINATION BARS & METAL COUNTERFLASHING - SEE ROOF 10.2 ENTRY SYSTEM CALLBOX B.O.D. = "2N ACCESS CONTROL"
- FULLY ADHERED ROOF SYSTEM, 20 YEAR WARRANTY, BY CARLISLE SYNTEC, CARLISLE, PA, OR EQUIVALENT. OPENING TO BE INFILLED WITH CMU AT INTERIOR AND BRICK 7.5 NEW ROOF ACCESS HATCH, INSTALL PER MANUF'S INSTRUCTS. BASIS OF DESIGN = BILCO E50TB, 36"X36".
- BRICK IN SIZE, TEXTURE, AND APPEARANCE. FACE OF BRICK IN 7.6 PROVIDE NEW DARK BRONZE METAL CAP AT CHIMNEY. 7.7 NEW STANDING SEAM METAL ROOF. COLOR TBD. SEE ROOF 10.5 FIRE EXTINGUISHER. COORDINATE FINAL LOCATION WITH DETAILS. INSULATION PER SCHEDULE.
 - 7.8 HATCHED AREA SHOWS APPROXIMATE LOCATION OF NEW FIXED ROOF WALKWAY PADS.

- 8.1 NEW SKYLIGHT IN PREVIOUS SKYLIGHT OPG. B.O.D. VELUX
- IN FIELD. COORDINATE FINISH WITH ARCHITECT.
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- 8.4 RELOCATED HISTORIC DOOR/OPG. SEE DOOR SCHEDULE. 8.5 RELOCATED HISTORIC WINDOW. SEE WINDOW TYPES AND DETAILS.
- BE INSTALLED IN EXISTING/HISTORIC LOCATION BUT FIT WITHIN NEW FURRING.

- REPAIRED, WHERE POSSIBLE.
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- 10.1 LOCKABLE & RECESSED MAILBOXES. BOXES TO MEET USPS-4C STANDARDS & ACCESSIBILITY REQUIREMENTS. PROVIDE CONT FIRE-RATING BEHIND MAILBOXES, WHEN REQ.
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 - C. ABOVE W/D. 10.4 PROVIDE "NO SMOKING" SIGN AT EXTERIOR WALL. LOCAL FIRE MARSHAL.
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- 10.7 NOT USED. 10.8 SHOWER NICHE. SEE ENLARGED PLANS, INTERIOR ELEVATIONS
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NEW WORK PLANS & ELEVATIONS # KEYED NOTES:

10.10 FIRE ESCAPE ACCESS WINDOW.

- 21.1 APPROX LOCATION OF FDC CONNECTION COORDINATE W/
- 21.2 SPRINKLER RISER. SEE PLUMBING DWGS. SIDING IS TO MATCH EXG WOOD SIDING IN SIZE AND PROFILE. 8.6 REINSTALLED HISTORIC INTERIOR TRANSOM. TRANSOM IS TO 21.3 EXTERIOR TAMPER/FLOW NOTIFICATION DEVICE - COORDINATE WITH ELECTRICAL AND FIRE PROTECTION SYSTEMS.

22. PLUMBING

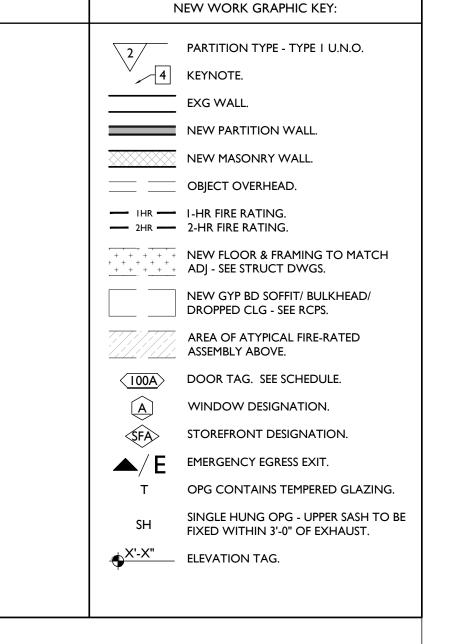
- 22.1 PROVIDE RADON RISER, AS REQUIRED BY OWNER'S CONSULTANT. RISER TO EXTEND FROM BASEMENT TO ATTIC. SEE CONSULTANT DESIGN FOR LOCATIONS OF RISERS. SEE
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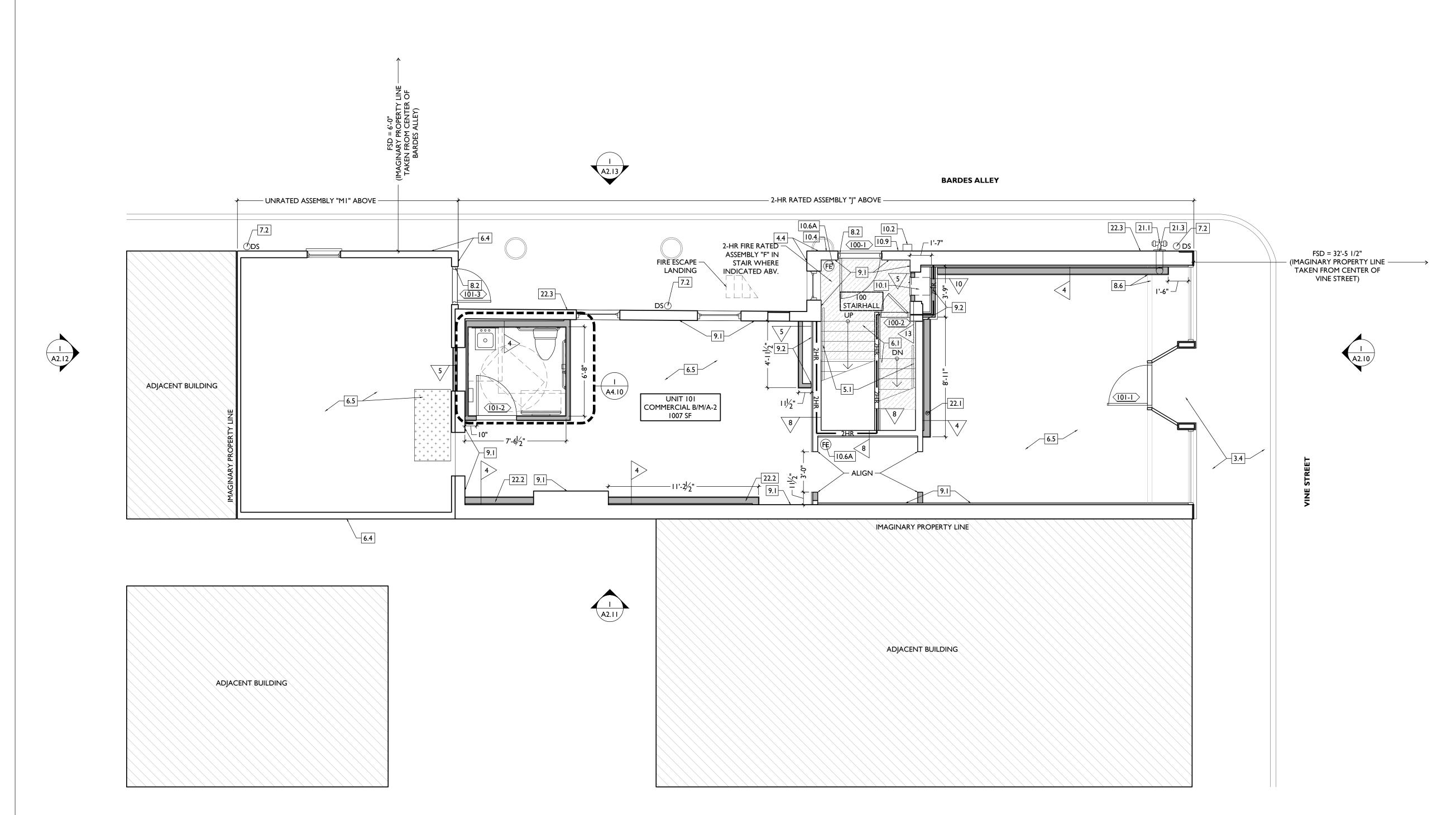
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- PAINT TYPE FOR PANEL. 26.2 NEW EXTERIOR LIGHTING. NO EXPOSED CONDUIT ON FACE OF BUILDING.
- 26.3 NEW MAST HEAD. SEE ELECTRICAL DWGS.





ONSTRUC

Progress Dates

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

08/30/2024 Job No: 22042

NEW WORK GRAPHIC KEY: PARTITION TYPE - TYPE I U.N.O. 4 KEYNOTE. NEW PARTITION WALL. NEW MASONRY WALL. OBJECT OVERHEAD. — IHR — I-HR FIRE RATING.

— 2HR — 2-HR FIRE RATING. NEW FLOOR & FRAMING TO MATCH ADJ - SEE STRUCT DWGS. NEW GYP BD SOFFIT/ BULKHEAD/ DROPPED CLG - SEE RCPS.

AREA OF ATYPICAL FIRE-RATED ASSEMBLY ABOVE. 100A DOOR TAG. SEE SCHEDULE.

> STOREFRONT DESIGNATION. EMERGENCY EGRESS EXIT. OPG CONTAINS TEMPERED GLAZING.

WINDOW DESIGNATION.

SINGLE HUNG OPG - UPPER SASH TO BE FIXED WITHIN 3'-0" OF EXHAUST. $\bullet^{X'-X''}$ ELEVATION TAG.

OWNER'S CONSULTANT. SEE CONSULTANT DESIGN FOR

3.4 INFILL PREVIOUS BASEMENT HATCH/RECESSED ENTRY.

4.2 REPLACE DAMAGED/MISSING BRICK AS SHOWN ON

STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE.

4. MASONRY

PER SHPO NARRATIVE.

STRUCTURAL DWGS.

A2.12

SYSTEM DETAILS AND LOCATIONS OF VERTICAL VENTS. SEE

AT GRADE. WALL TO BE INFILLED W/ CMU. SEE STRUCTURAL

COORDINATE EXTERIOR PAVEMENT/GRADING WORK W/ CIVIL.

4.1 TUCKPOINT BRICK AS SHOWN ON STRUCTURAL ELEVATIONS &

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MELAMINE SHELF & CLOTHES ROD @ 66" A.F.F.; TYP U.N.O.: OPENING TO BE INFILLED WITH CMU AT INTERIOR AND BRICK 7.5 NEW ROOF ACCESS HATCH, INSTALL PER MANUF'S INSTRUCTS. B. WALK-IN CLOSET. BASIS OF DESIGN = BILCO E50TB, 36"X36". C. ABOVE W/D. BRICK IN SIZE, TEXTURE, AND APPEARANCE. FACE OF BRICK IN 7.6 PROVIDE NEW DARK BRONZE METAL CAP AT CHIMNEY. 10.4 PROVIDE "NO SMOKING" SIGN AT EXTERIOR WALL. 7.7 NEW STANDING SEAM METAL ROOF. COLOR TBD. SEE ROOF 10.5 FIRE EXTINGUISHER. COORDINATE FINAL LOCATION WITH DETAILS. INSULATION PER SCHEDULE. LOCAL FIRE MARSHAL. 7.8 HATCHED AREA SHOWS APPROXIMATE LOCATION OF NEW

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ALIGN CONCEALMENT BETWEEN FLOORS.

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23. HEATING, VENTILATING, AND AIR CONDITIONING

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TO BE PAINTED TO MATCH ADJACENT BRICK. SEE ELEVATIONS

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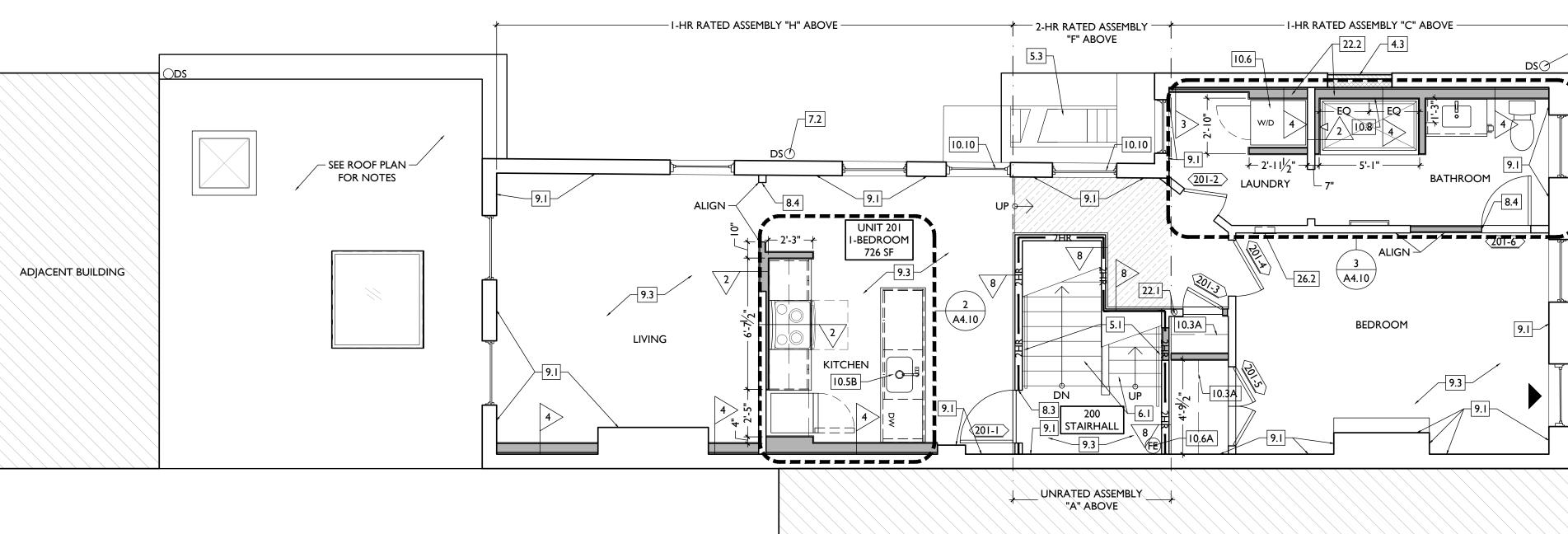
ADJACENT BUILDING

A. ROOF <3:12, INSTALL C.U. ON SOUND ISOLATING PADS

23.2 NEW EXHAUST/INTAKE LOUVERS ON EXTERIOR WALL. LOUVERS

FIXED ROOF WALKWAY PADS.

ADJACENT BUILDING



A2.11



ONSTRUCTION

Progress Dates 2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM

08/30/2024 Job No: 22042

KEYED NOTES ARE CATEGORIZED FOR ORGANIZATIONAL PURPOSES ONLY. NOTES MAY REQUIRE MATERIALS OR WORK IN CATEGORIES OTHER THAN WHERE THEY OCCUR. THE CONTRACTOR IS RESPONSIBLE FOR THE WORK DESCRIBED IN ALL APPLICABLE NOTES REGARDLESS OF THE CATEGORY IN WHICH THEY OCCUR.

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- 5.3 REPAIR/RETAIN EXG FIRE ESCAPE. PAINT BLACK.
- 6. WOOD, PLASTICS, AND COMPOSITES
- 6.1 REPAIR DAMAGED WOOD STAIR TREADS/RISERS AS REQ'D. 6.2 NEW RAKE TRIM & GUTTERBOARD TO MATCH EXISTING - SEE ELEVATIONS.
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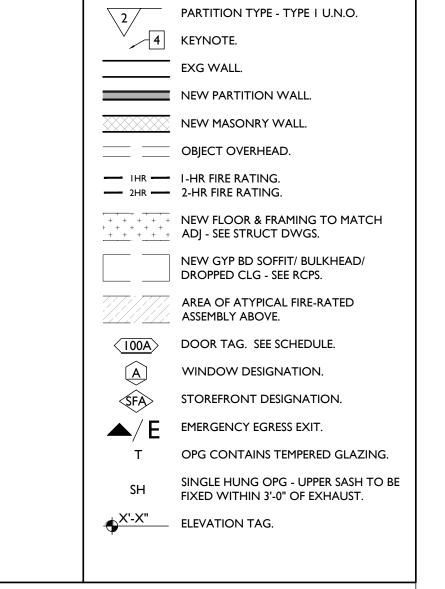
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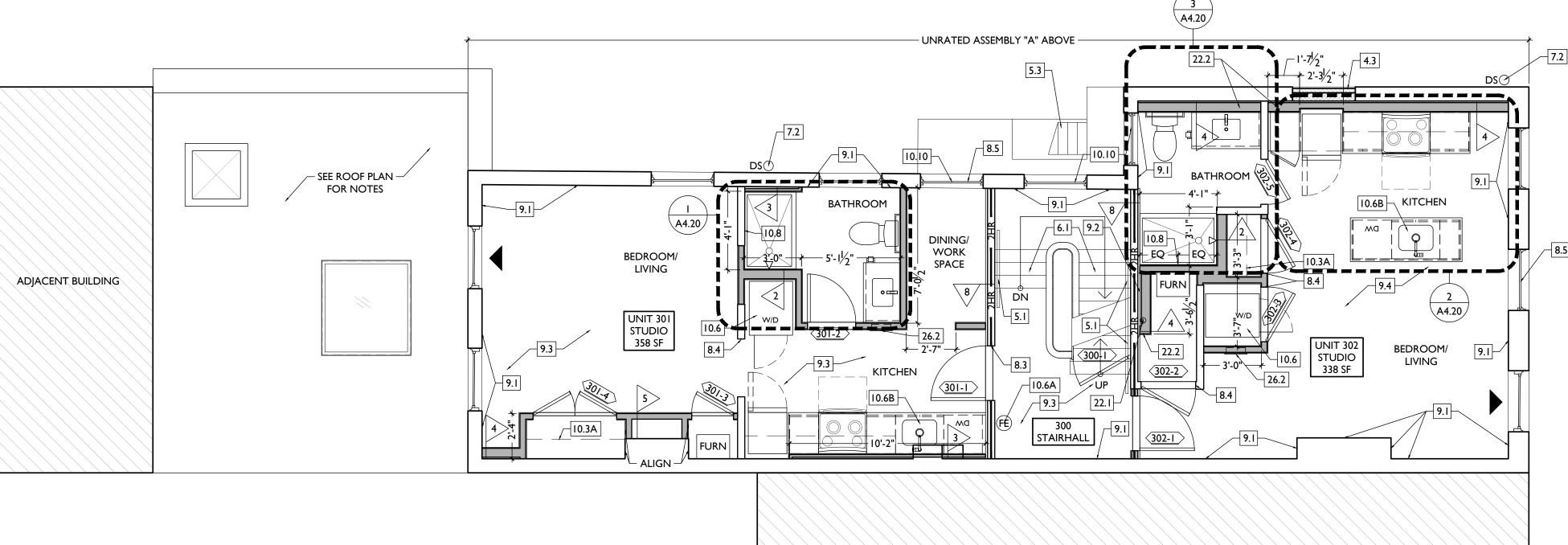
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NEW WORK GRAPHIC KEY:





2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Progress Dates

Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

Job No: 22042



ADJACENT BUILDING

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HEATER. SEE PLUMBING DWGS.

- 10.8 SHOWER NICHE. SEE ENLARGED PLANS, INTERIOR ELEVATIONS AND DETAIL I/A5.00.
- 10.9 RECESSED KEY LOCK BOX BASIS OF DESIGN KNOXBOX 3200. INSTALL PER MANUF'S INSTRUCTS. COORDINATE WITH FIRE

NEW WORK PLANS & ELEVATIONS # KEYED NOTES:

10.10 FIRE ESCAPE ACCESS WINDOW.

10.7 NOT USED.

- 21.1 APPROX LOCATION OF FDC CONNECTION COORDINATE W/
- 21.2 SPRINKLER RISER. SEE PLUMBING DWGS. SIDING IS TO MATCH EXG WOOD SIDING IN SIZE AND PROFILE. 8.6 REINSTALLED HISTORIC INTERIOR TRANSOM. TRANSOM IS TO 21.3 EXTERIOR TAMPER/FLOW NOTIFICATION DEVICE - COORDINATE WITH ELECTRICAL AND FIRE PROTECTION SYSTEMS.

22. PLUMBING

- 22.1 PROVIDE RADON RISER, AS REQUIRED BY OWNER'S CONSULTANT. RISER TO EXTEND FROM BASEMENT TO ATTIC.
- SEE CONSULTANT DESIGN FOR LOCATIONS OF RISERS. SEE NOTE 3.2. COORDINATE WITH PLUMBING. 22.2 PLUMBING CHASE (OR WALL) - VERIFY LOCATIONS IN FIELD TO
- ALIGN CONCEALMENT BETWEEN FLOORS. 22.3 HOSEBIB LOCATION. SEE PLUMBING DRAWINGS.

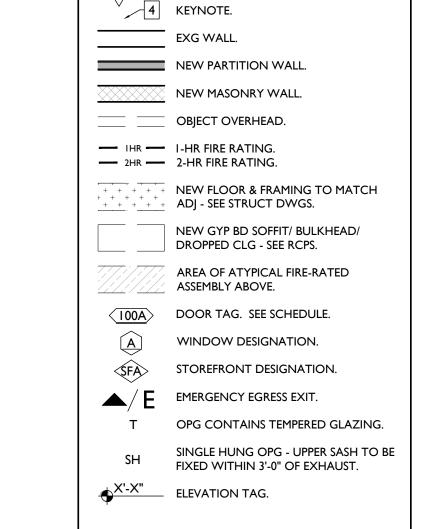
23. HEATING, VENTILATING, AND AIR CONDITIONING

- 23.1 MECHANICAL UNIT(S) WALKING PADS TO & AROUND EQUIPMENT. GUARDRAIL REQUIRED IF EQUIPMENT < 10' FROM ROOF EDGE. SEE HVAC & STRUCTURAL DWGS.
- A. ROOF <3:12, INSTALL C.U. ON SOUND ISOLATING PADS 23.2 NEW EXHAUST/INTAKE LOUVERS ON EXTERIOR WALL. LOUVERS TO BE PAINTED TO MATCH ADJACENT BRICK. SEE ELEVATIONS AND MECHANICAL DWGS.
- 23.3 EXHAUST SHAFT FOR FUTURE KITCHEN EXHAUST.

26.1 ELECTRIC PANEL RECESSED IN WALL W/ 30"W X 36"D CLEAR IN FRONT. PAINT TO MATCH ADJACENT WALL W APPROPRIATE

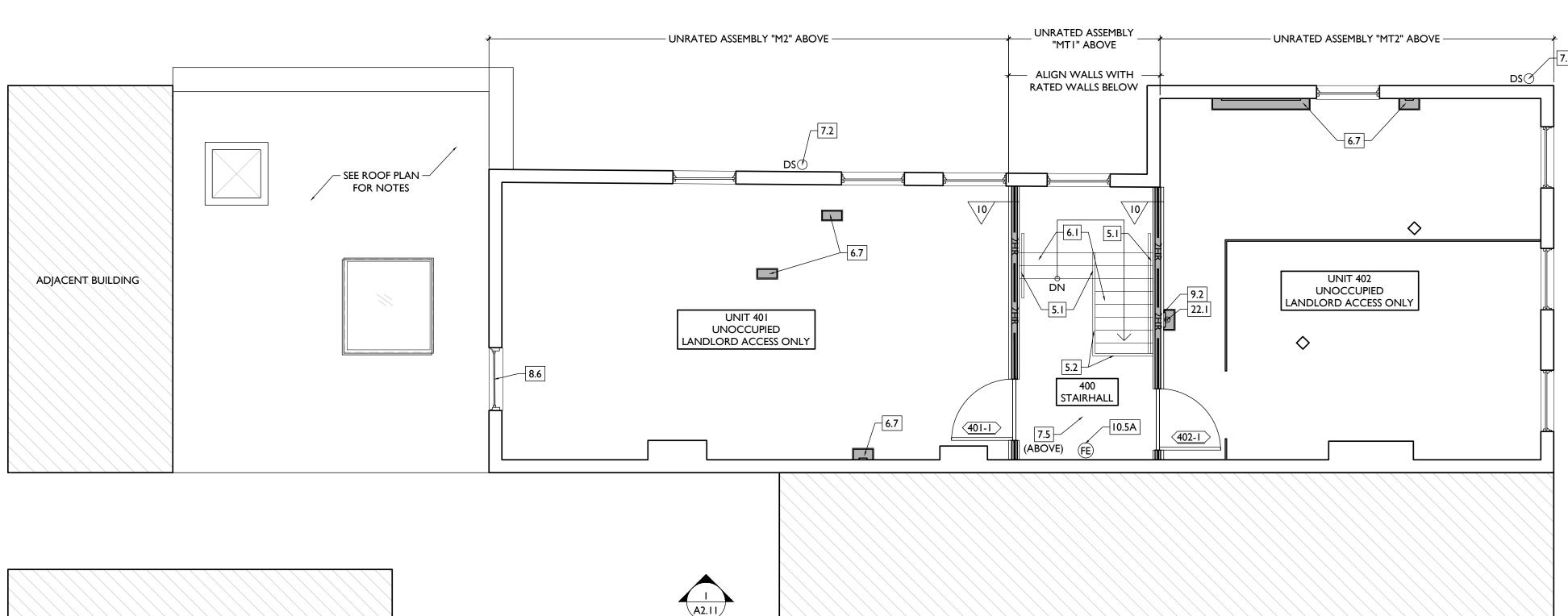
ADJACENT BUILDING

- PAINT TYPE FOR PANEL. 26.2 NEW EXTERIOR LIGHTING. NO EXPOSED CONDUIT ON FACE OF
- 10.6 PROVIDE DRAIN PAN BENEATH WASHING MACHINE/ WATER 26.3 NEW MAST HEAD. SEE ELECTRICAL DWGS.



NEW WORK GRAPHIC KEY:

PARTITION TYPE - TYPE I U.N.O.





SCALE: 1/4" = 1'-0"

Progress Dates 2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

ONSTRUCTION



08/30/2024

Job No: 22042

PROPOSED PLAN - ATTIC

7. THERMAL AND MOISTURE PROTECTION

AT GRADE. WALL TO BE INFILLED W/ CMU. SEE STRUCTURAL 3.4 INFILL PREVIOUS BASEMENT HATCH/RECESSED ENTRY. COORDINATE EXTERIOR PAVEMENT/GRADING WORK W/ CIVIL.

4. MASONRY 4.1 TUCKPOINT BRICK AS SHOWN ON STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE.

OWNER'S CONSULTANT. SEE CONSULTANT DESIGN FOR

SYSTEM DETAILS AND LOCATIONS OF VERTICAL VENTS. SEE

4.2 REPLACE DAMAGED/MISSING BRICK AS SHOWN ON STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE. AT EXTERIOR. BRICK IS TO MATCH EXG ADJACENT HISTORIC BRICK IN SIZE, TEXTURE, AND APPEARANCE. FACE OF BRICK IN 7.6 PROVIDE NEW DARK BRONZE METAL CAP AT CHIMNEY. OPG IS TO BE SET BACK I" FROM FACE OF EXG WALL. SEE

4.4 REPAIR EXG MASONRY STRUCTURE/ADDITION AS REQ. SEE STRUCTURAL DWGS.

CAVITY. COORDINATE WITH MECHANICAL DRAWINGS.

7.1 REPAIR/RE-LINE EXG BOX GUTTER. 3.3 EXG OPENING TO BASEMENT TO BE CAPPED WITH CONCRETE 7.2 NEW ROUND ALUMINUM DOWNSPOUT PAINTED TO MATCH 9.3 NOT USED. ADJACENT WALL SURFACE. SEE EXTERIOR ELEVATIONS. TIE INTO 9.4 NOT USED. EXISTING SEWER SYSTEM.

7.3 NEW PVC AT LOWER 6' OF DOWNSPOUT. PAINT TO MATCH 10. SPECIALTIES DOWNSPOUT. 7.4 NEW FULLY ADHERED WHITE TPO MEMBRANE ROOF W/ CRICKETS WHERE REQUIRED FOR POSITIVE DRAINAGE AND W/ FULLY ADHERED ROOF SYSTEM, 20 YEAR WARRANTY, BY

CARLISLE SYNTEC, CARLISLE, PA, OR EQUIVALENT. 4.3 OPENING TO BE INFILLED WITH CMU AT INTERIOR AND BRICK 7.5 NEW ROOF ACCESS HATCH, INSTALL PER MANUF'S INSTRUCTS. BASIS OF DESIGN = BILCO E50TB, 36"X36".

> DETAILS. INSULATION PER SCHEDULE. 7.8 HATCHED AREA SHOWS APPROXIMATE LOCATION OF NEW FIXED ROOF WALKWAY PADS.

REPAIRED, WHERE POSSIBLE.

9.2 FIRE-RATING TO BE CONTINUOUS BEHIND PLUMBING/CHASE/ FURRING WALL. FIRE RATING TO BE CONTINUOUS AT INTERSECTION W/ NON-RATED WALL.

10.1 LOCKABLE & RECESSED MAILBOXES. BOXES TO MEET USPS-4C STANDARDS & ACCESSIBILITY REQUIREMENTS. PROVIDE CONT

FIRE-RATING BEHIND MAILBOXES, WHEN REQ. TERMINATION BARS & METAL COUNTERFLASHING - SEE ROOF 10.2 ENTRY SYSTEM CALLBOX B.O.D. = "2N ACCESS CONTROL" DETAILS. INSULATION PER SCHEDULE, B.O.D - 60 MIL WHITE TPO. 10.3 CLOSETS W/ BLOCKING AT RODS & BRACKETS. PROVIDE 12" MELAMINE SHELF & CLOTHES ROD @ 66" A.F.F.; TYP U.N.O.: A. TYP. REACH-IN CLOSET B. WALK-IN CLOSET

C. ABOVE W/D. 10.4 PROVIDE "NO SMOKING" SIGN AT EXTERIOR WALL. 7.7 NEW STANDING SEAM METAL ROOF. COLOR TBD. SEE ROOF 10.5 FIRE EXTINGUISHER. COORDINATE FINAL LOCATION WITH LOCAL FIRE MARSHAL.

> A. SURFACE MOUNTED. B. IN SINK CABINET IN RESIDENTIAL UNIT, TYPICAL. 10.6 PROVIDE DRAIN PAN BENEATH WASHING MACHINE/ WATER 26.3 NEW MAST HEAD. SEE ELECTRICAL DWGS. HEATER, SEE PLUMBING DWGS.

SEE CONSULTANT DESIGN FOR LOCATIONS OF RISERS. SEE

NOTE 3.2. COORDINATE WITH PLUMBING. 22.2 PLUMBING CHASE (OR WALL) - VERIFY LOCATIONS IN FIELD TO ALIGN CONCEALMENT BETWEEN FLOORS.

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ROOF EDGE. SEE HVAC & STRUCTURAL DWGS. A. ROOF <3:12, INSTALL C.U. ON SOUND ISOLATING PADS 23.2 NEW EXHAUST/INTAKE LOUVERS ON EXTERIOR WALL. LOUVERS TO BE PAINTED TO MATCH ADJACENT BRICK. SEE ELEVATIONS AND MECHANICAL DWGS.

23.3 EXHAUST SHAFT FOR FUTURE KITCHEN EXHAUST.

22.3 HOSEBIB LOCATION. SEE PLUMBING DRAWINGS.

26. ELECTRICAL 26.1 ELECTRIC PANEL RECESSED IN WALL W/ 30"W X 36"D CLEAR IN FRONT. PAINT TO MATCH ADJACENT WALL W APPROPRIATE

PAINT TYPE FOR PANEL. 26.2 NEW EXTERIOR LIGHTING. NO EXPOSED CONDUIT ON FACE OF

4 KEYNOTE. NEW PARTITION WALL. NEW MASONRY WALL. OBJECT OVERHEAD. — IHR — I-HR FIRE RATING. — 2HR — 2-HR FIRE RATING. NEW FLOOR & FRAMING TO MATCH ADJ - SEE STRUCT DWGS. NEW GYP BD SOFFIT/ BULKHEAD/ DROPPED CLG - SEE RCPS. AREA OF ATYPICAL FIRE-RATED ASSEMBLY ABOVE. 100A DOOR TAG. SEE SCHEDULE. WINDOW DESIGNATION. STOREFRONT DESIGNATION. EMERGENCY EGRESS EXIT. OPG CONTAINS TEMPERED GLAZING SINGLE HUNG OPG - UPPER SASH TO BE FIXED WITHIN 3'-0" OF EXHAUST. X'-X" ELEVATION TAG.

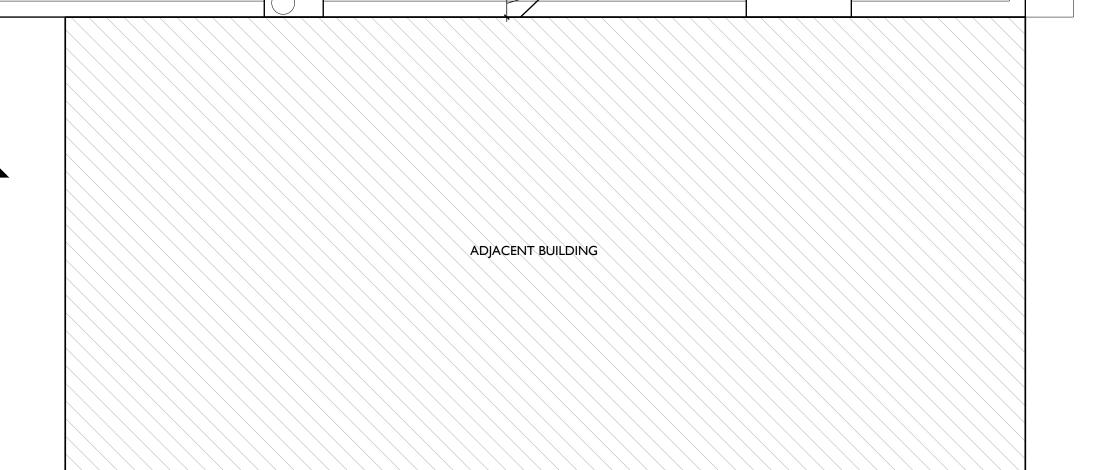
NEW WORK GRAPHIC KEY:

PARTITION TYPE - TYPE I U.N.O.

→ R.O. W/ → 7.4 MANUF. ADJACENT BUILDING



5.2



2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2 Revisions

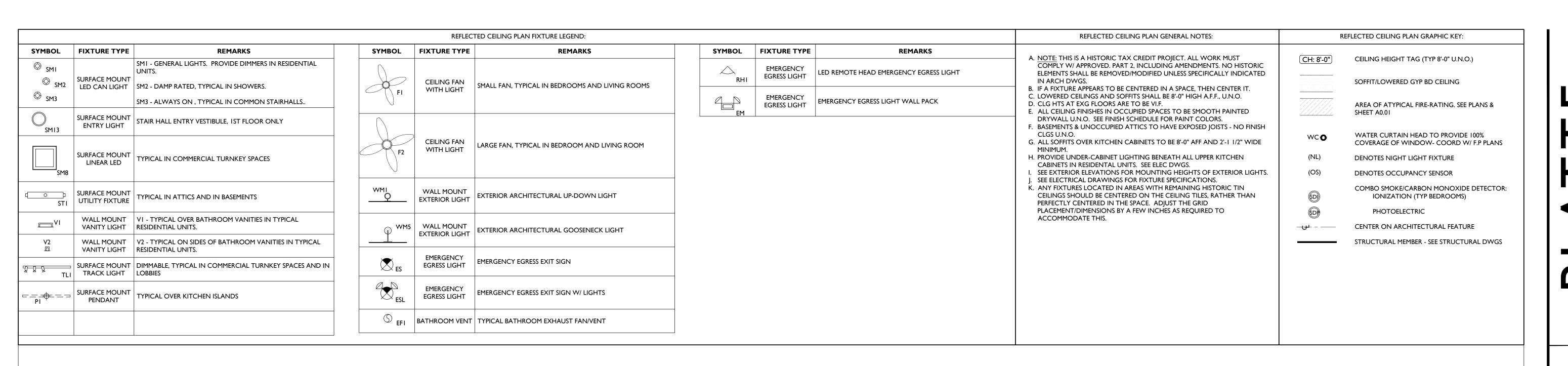
Progress Dates

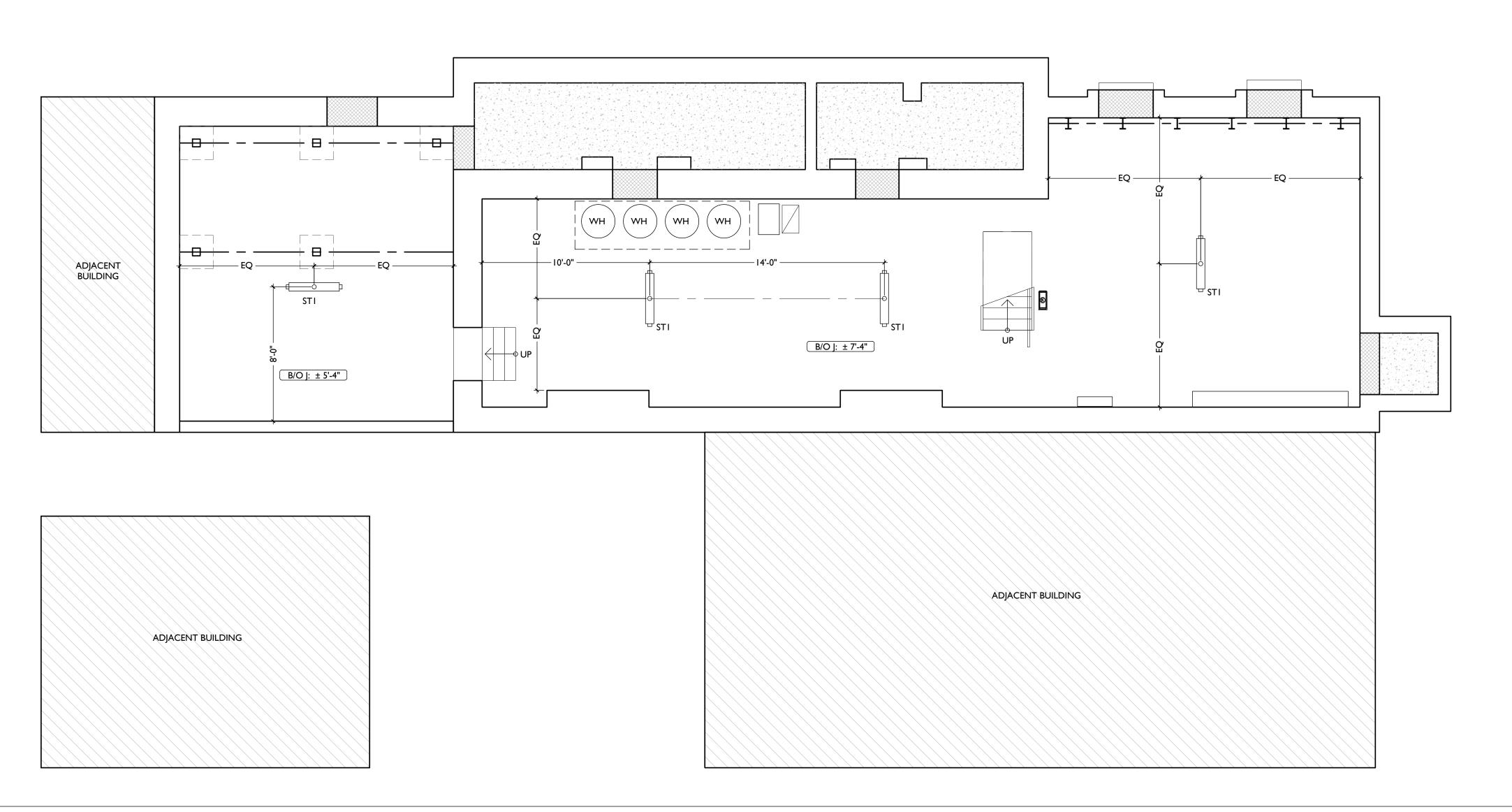
Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM

ONSTRUCTION

Job No: 22042

SCALE: 1/4" = 1'-0"





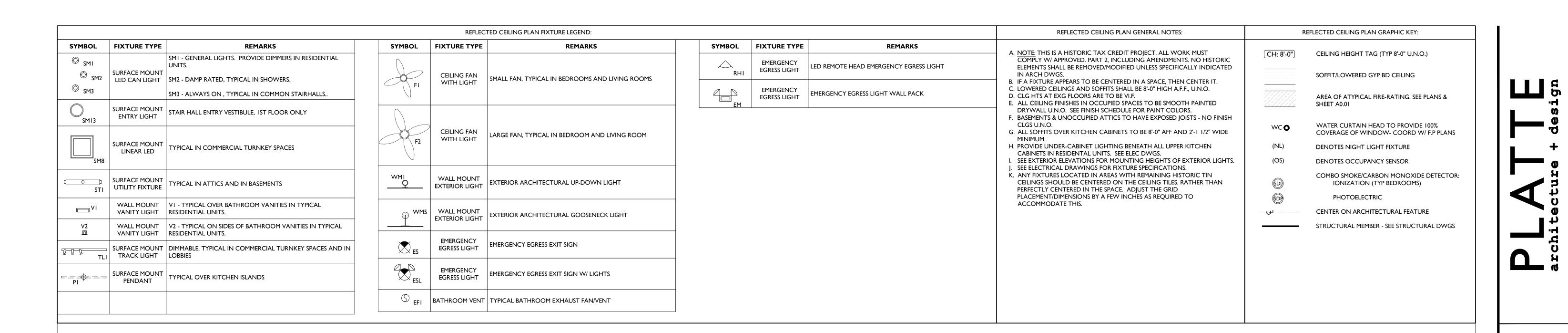
REFLECTED CEILING PLAN - BASEMENT

SCALE: 1/4" = 1'-0"

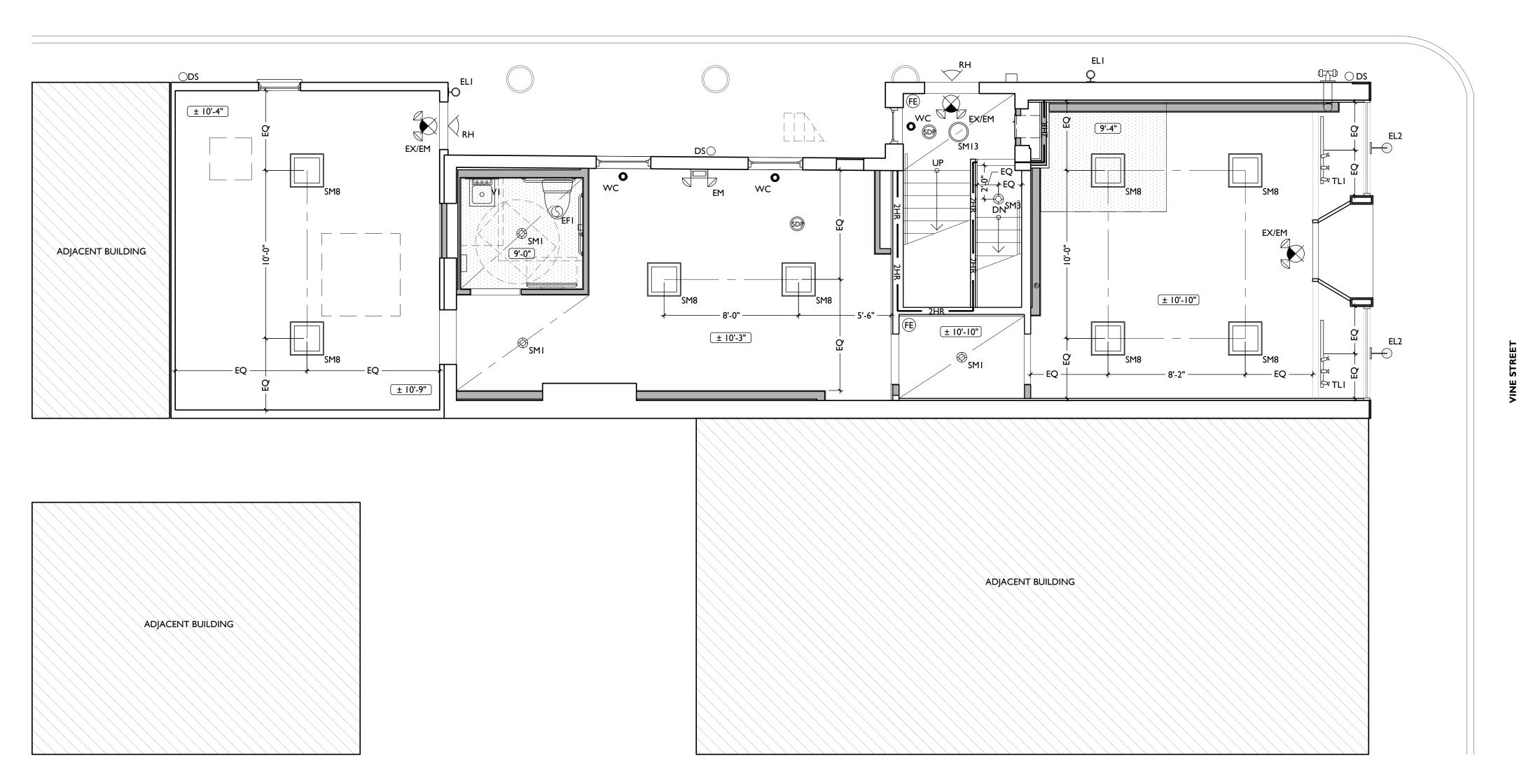
Progress Dates 2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

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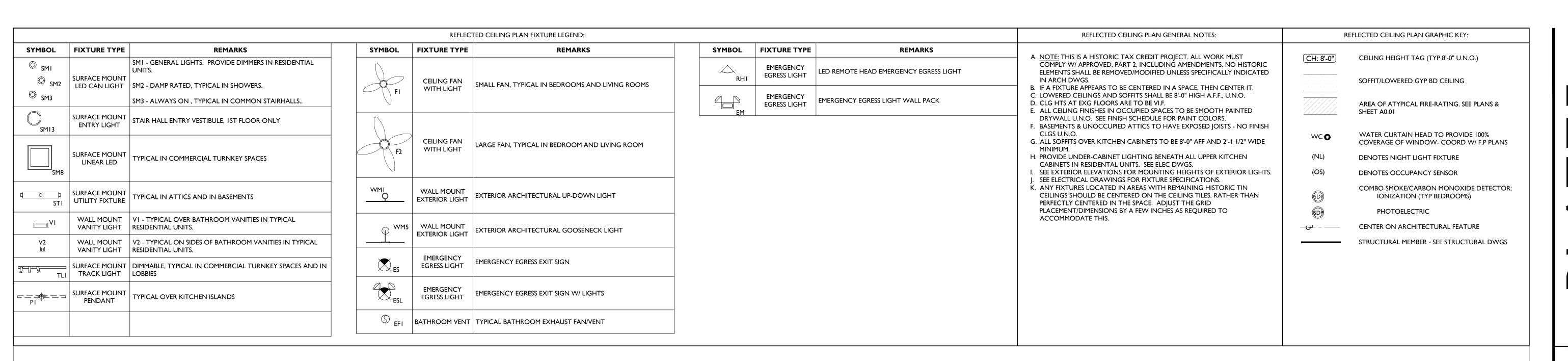


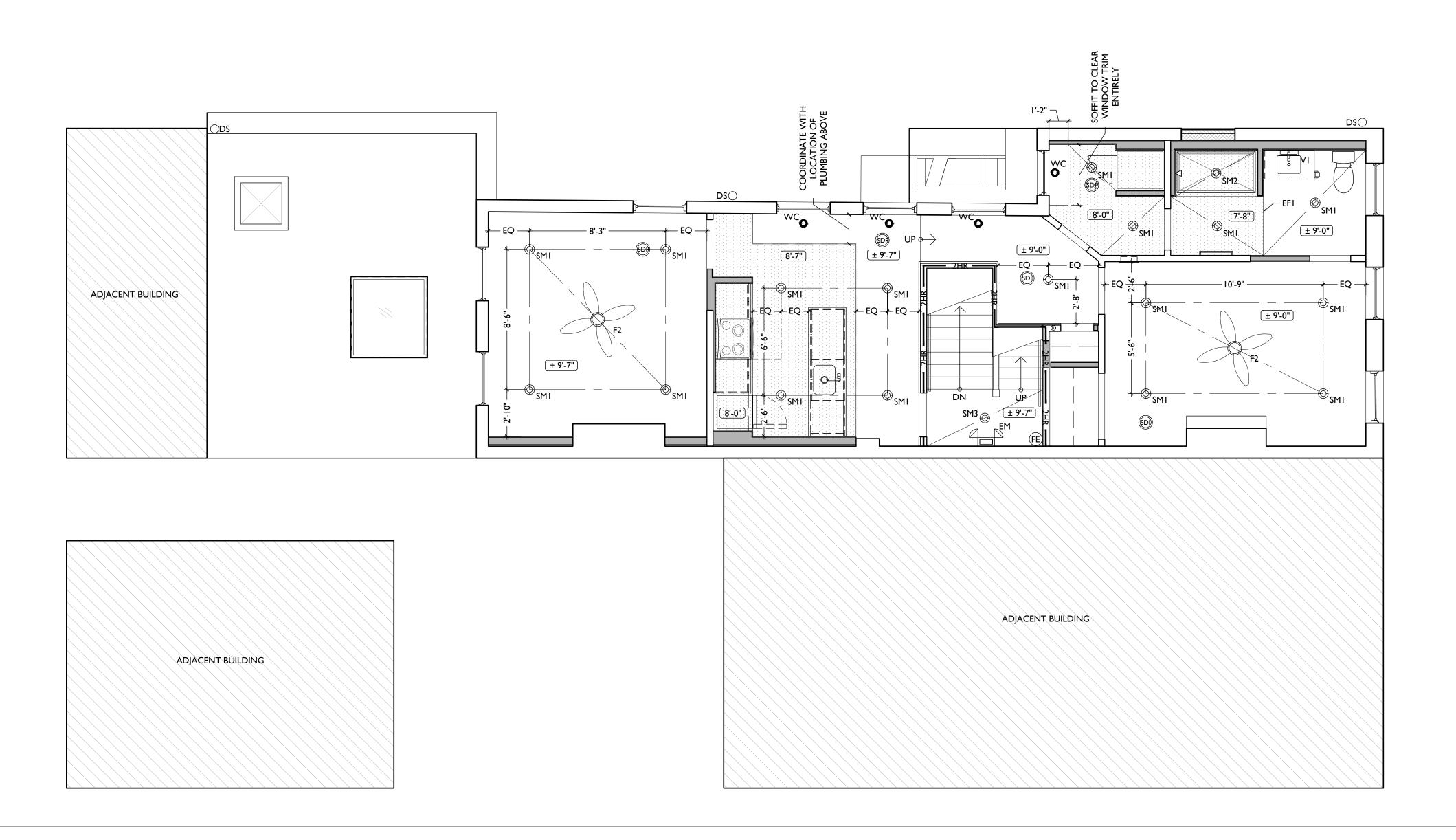


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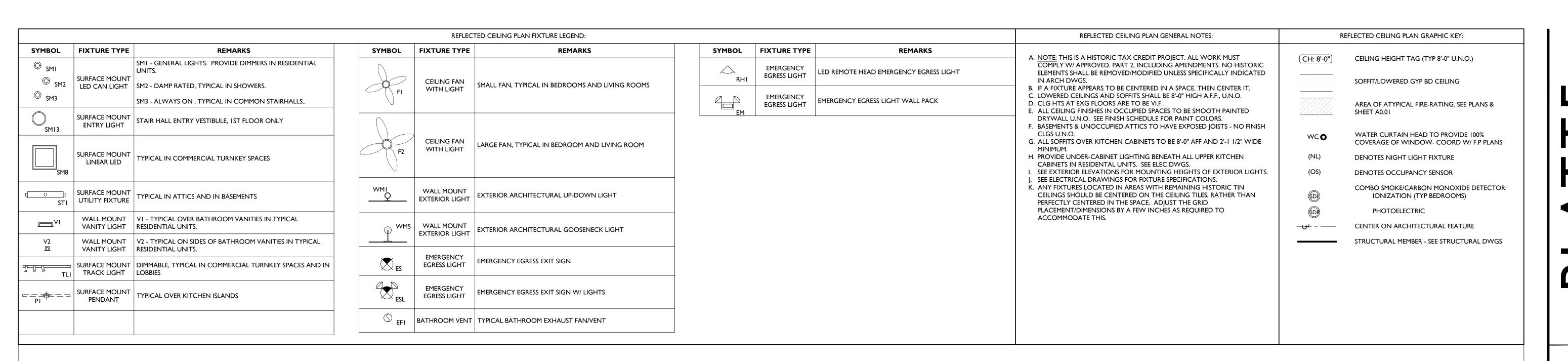




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Revisions

Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM





OT FOR CONSTRUCTION

architecture + design
810 CAMPBELL ALLEY, SUITE 300 | CINCINNATI, OH 45

Progress Dates 2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Revisions

Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM

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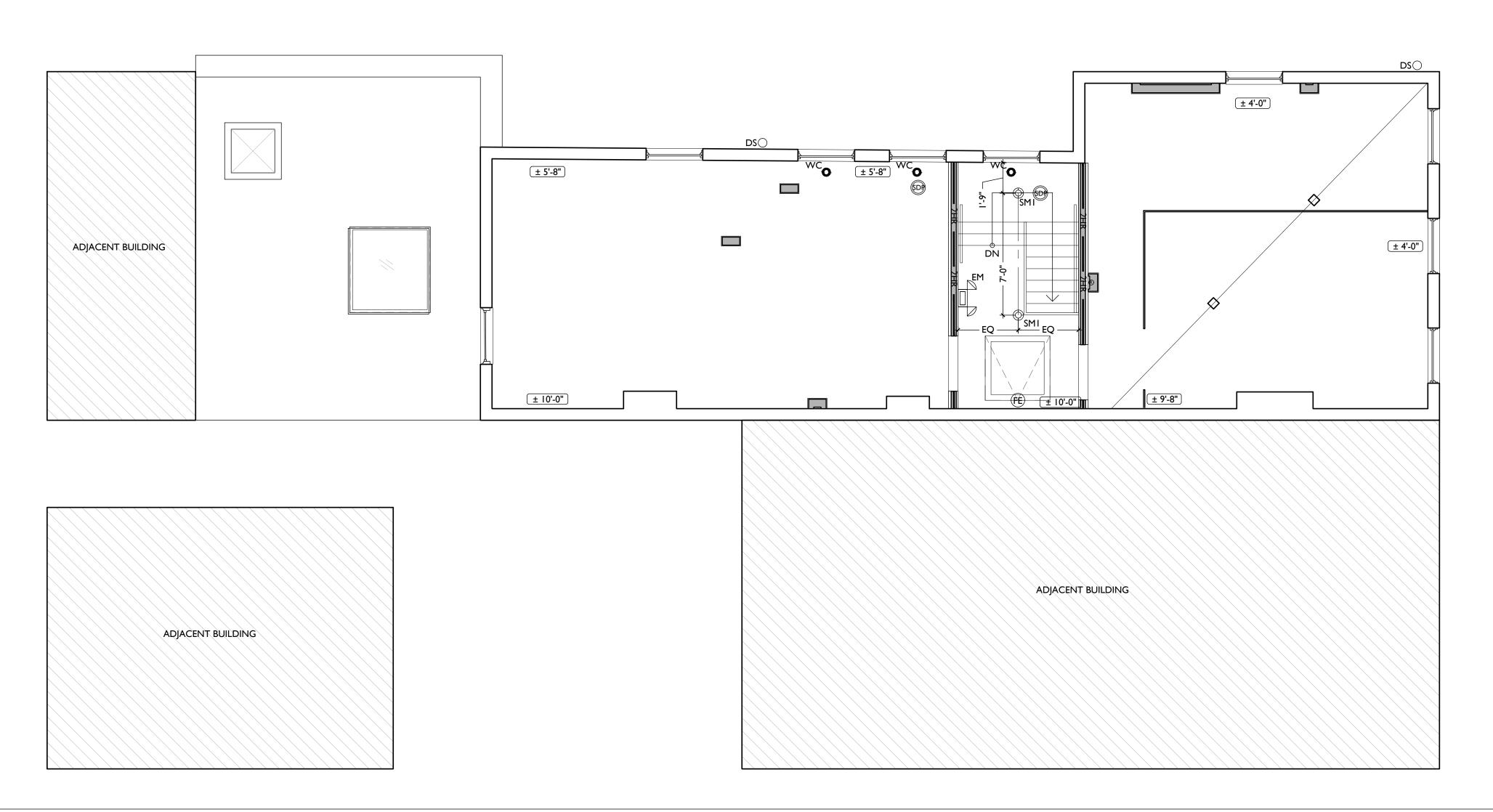
VINE STREET

ATI. OH. 45202

Job No: 22042 08/30/2024

A1.23

REFLECTED CEILING PLAN FIXTURE LEGEND:						REFLECTED CEILING PLAN GENERAL NOTES:	REFLECTED CEILING PLAN GRAPHIC KEY:			
MBOL	FIXTURE TYPE	REMARKS	SYMBOL FIXTURE TYPE	REMARKS	SYMBOL	FIXTURE TYPE	REMARKS	A NOTE THE IS A HISTORIC TAX CREDIT PROJECT ALL MORE AND IS		
SMI © SM2	SURFACE MOUNT	SMI - GENERAL LIGHTS. PROVIDE DIMMERS IN RESIDENTIAL UNITS.	CEILING FAN SMALL FAN		RHI	EMERGENCY EGRESS LIGHT	LED REMOTE HEAD EMERGENCY EGRESS LIGHT	A. NOTE: THIS IS A HISTORIC TAX CREDIT PROJECT. ALL WORK MUST COMPLY W/ APPROVED. PART 2, INCLUDING AMENDMENTS. NO HISTORIC ELEMENTS SHALL BE REMOVED/MODIFIED UNLESS SPECIFICALLY INDICATED IN ARCH DWGS.	CH: 8'-0"	CEILING HEIGHT TAG (TYP 8'-0" U.N.O.) SOFFIT/LOWERED GYP BD CEILING
SM3	223 67 11 21 61 11	SM2 - DAMP RATED, TYPICAL IN SHOWERS. SM3 - ALWAYS ON , TYPICAL IN COMMON STAIRHALLS	CEILING FAN WITH LIGHT SMALL FAN, TYPICAL IN BEDROOMS AND LIVING ROOMS CEILING FAN WITH LIGHT LARGE FAN, TYPICAL IN BEDROOM AND LIVING ROOM	FM	EMERGENCY EGRESS LIGHT	EMERGENCY EGRESS LIGHT WALL PACK	B. IF A FIXTURE APPEARS TO BE CENTERED IN A SPACE, THEN CENTER IT. C. LOWERED CEILINGS AND SOFFITS SHALL BE 8'-0" HIGH A.F.F., U.N.O. D. CLG HTS AT EXG FLOORS ARE TO BE VI.F. E. ALL CEILING FINISHES IN OCCUPIED SPACES TO BE SMOOTH PAINTED DRYWALL U.N.O. SEE FINISH SCHEDULE FOR PAINT COLORS. F. BASEMENTS & UNOCCUPIED ATTICS TO HAVE EXPOSED JOISTS - NO FINISH CLGS U.N.O. G. ALL SOFFITS OVER KITCHEN CABINETS TO BE 8'-0" AFF AND 2'-1 1/2" WIDE MINIMUM. H. PROVIDE UNDER-CABINET LIGHTING BENEATH ALL UPPER KITCHEN CABINETS IN RESIDENTAL UNITS. SEE ELEC DWGS. I. SEE EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTS.	<u> </u>	AREA OF ATYPICAL FIRE-RATING. SEE PLANS & SHEET A0.01	
SM13	SURFACE MOUNT ENTRY LIGHT	STAIR HALL ENTRY VESTIBULE, IST FLOOR ONLY		El ¹ 1				WC O	WATER CURTAIN HEAD TO PROVIDE 100%	
SM8	SURFACE MOUNT LINEAR LED	TYPICAL IN COMMERCIAL TURNKEY SPACES						(NL) (OS)	COVERAGE OF WINDOW- COORD W/ F.P PLANS DENOTES NIGHT LIGHT FIXTURE DENOTES OCCUPANCY SENSOR	
STI	SURFACE MOUNT UTILITY FIXTURE	TYPICAL IN ATTICS AND IN BASEMENTS	WMI WALL MOUNT EXTERIOR LIGHT	PERFECTLY CENTERED IN THE SPACE. ADJUST THE GRID	K. ANY FIXTURES LOCATED IN AREAS WITH REMAINING HISTORIC TIN CEILINGS SHOULD BE CENTERED ON THE CEILING TILES, RATHER THAN		COMBO SMOKE/CARBON MONOXIDE DETECTOR IONIZATION (TYP BEDROOMS) PHOTOELECTRIC			
⊒VI	VANITY LIGHT	VI - TYPICAL OVER BATHROOM VANITIES IN TYPICAL RESIDENTIAL UNITS.	WMS WALL MOUNT EXTERIOR ARCHITECTURAL GOOSENECK LIGHT EMERGENCY EGRESS EXIT SIGN				ACCOMMODATE THIS.	_ U	CENTER ON ARCHITECTURAL FEATURE	
/2 □ TLI	VANITY LIGHT SURFACE MOUNT	V2 - TYPICAL ON SIDES OF BATHROOM VANITIES IN TYPICAL RESIDENTIAL UNITS. DIMMABLE, TYPICAL IN COMMERCIAL TURNKEY SPACES AND IN LOBBIES							STRUCTURAL MEMBER - SEE STRUCTURAL DWGS	
	SURFACE MOUNT PENDANT	TYPICAL OVER KITCHEN ISLANDS	ESL EMERGENCY EMERGENCE	CY EGRESS EXIT SIGN W/ LIGHTS						
			S EFI BATHROOM VENT TYPICAL E	BATHROOM EXHAUST FAN/VENT						



NOT FOR CONSTRUCTION

STREET

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM

KEYED NOTES ARE CATEGORIZED FOR ORGANIZATIONAL PURPOSES | 6. WOOD, PLASTICS, AND COMPOSITES ONLY. NOTES MAY REQUIRE MATERIALS OR WORK IN CATEGORIES OTHER THAN WHERE THEY OCCUR. THE CONTRACTOR IS RESPONSIBLE FOR THE WORK DESCRIBED IN ALL APPLICABLE NOTES REGARDLESS OF THE CATEGORY IN WHICH THEY OCCUR.

ALL KEYED NOTES LISTED MAY NOT APPLY TO THIS SHEET.

- 3.1 NEW CONCRETE SLAB. SLOPE TO DRAIN, AND CONNECT FLOOR DRAINS SEWER. SEE STRUCTURAL DRAWINGS.

4. MASONRY

- 4.1 TUCKPOINT BRICK AS SHOWN ON STRUCTURAL ELEVATIONS &
- STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE.
- AT EXTERIOR. BRICK IS TO MATCH EXG ADJACENT HISTORIC OPG IS TO BE SET BACK I" FROM FACE OF EXG WALL. SEE

- .I NEW CONTINUOUS STEEL PIPE HANDRAIL. SEE DETAILS.
- 5.4 NEW STEEL STRUCTURAL MEMBERS. SEE STRUCTURAL DWGS. 8.2 NEW EXTERIOR BUILDING ENTRY DOOR AND FRAME SEE
- 6.2 NEW RAKE TRIM & GUTTERBOARD TO MATCH EXISTING SEE ELEVATIONS.
- 6.4 REPAIR/REPLACE EXG WOOD SIDING AS REQ. REPLACEMENT
- 6.6 NEW WOOD STRUCTURAL MEMBERS. SEE STRUCTURAL DWGS. 9. FINISHES 6.7 EXHAUST DUCT TO ROOF TO BE CONTAINED WITHIN WALL 9.1 EXG PLASTER AT MASONRY WALL TO BE PATCHED AND
- CAVITY. COORDINATE WITH MECHANICAL DRAWINGS.

- 3.3 EXG OPENING TO BASEMENT TO BE CAPPED WITH CONCRETE 7.2 NEW ROUND ALUMINUM DOWNSPOUT PAINTED TO MATCH 9.3 NOT USED. ADJACENT WALL SURFACE. SEE EXTERIOR ELEVATIONS. TIE INTO 9.4 NOT USED. EXISTING SEWER SYSTEM.
 - DOWNSPOUT. 7.4 NEW FULLY ADHERED WHITE TPO MEMBRANE ROOF W/
 - FULLY ADHERED ROOF SYSTEM, 20 YEAR WARRANTY, BY CARLISLE SYNTEC, CARLISLE, PA, OR EQUIVALENT.
 - BASIS OF DESIGN = BILCO E50TB, 36"X36".

8. OPENINGS

- 8.1 NEW SKYLIGHT IN PREVIOUS SKYLIGHT OPG. B.O.D. VELUX SINGLE LITE ALUMINUM CLAD SKYLIGHT. VERIFY EXG OPG SIZE
- IN FIELD. COORDINATE FINISH WITH ARCHITECT. DOOR SCHEDULE.
- 8.3 NEW DOOR IN EXISTING HISTORIC FRAME/TRANSOM. FIRE RATING TO REMAIN CONTINUOUS BEHIND TRANSOM. SEE DOOR SCHEDULE AND DETAILS.
- 8.4 RELOCATED HISTORIC DOOR/OPG. SEE DOOR SCHEDULE. 8.5 RELOCATED HISTORIC WINDOW. SEE WINDOW TYPES AND DETAILS.
- BE INSTALLED IN EXISTING/HISTORIC LOCATION BUT FIT WITHIN NEW FURRING.

- REPAIRED, WHERE POSSIBLE.
- 9.2 FIRE-RATING TO BE CONTINUOUS BEHIND PLUMBING/CHASE/ FURRING WALL. FIRE RATING TO BE CONTINUOUS AT INTERSECTION W/ NON-RATED WALL.

- 10.1 LOCKABLE & RECESSED MAILBOXES. BOXES TO MEET USPS-4C STANDARDS & ACCESSIBILITY REQUIREMENTS. PROVIDE CONT
- A. TYP. REACH-IN CLOSET
- 10.4 PROVIDE "NO SMOKING" SIGN AT EXTERIOR WALL. 7.7 NEW STANDING SEAM METAL ROOF. COLOR TBD. SEE ROOF 10.5 FIRE EXTINGUISHER. COORDINATE FINAL LOCATION WITH
 - B. IN SINK CABINET IN RESIDENTIAL UNIT, TYPICAL. HEATER. SEE PLUMBING DWGS.

NEW WORK PLANS & ELEVATIONS # KEYED NOTES:

10.7 NOT USED.

- 10.8 SHOWER NICHE. SEE ENLARGED PLANS, INTERIOR ELEVATIONS AND DETAIL I/A5.00.
- 10.9 RECESSED KEY LOCK BOX BASIS OF DESIGN KNOXBOX 3200. INSTALL PER MANUF'S INSTRUCTS. COORDINATE WITH FIRE
- 10.10 FIRE ESCAPE ACCESS WINDOW.

21. FIRE SUPPRESSION

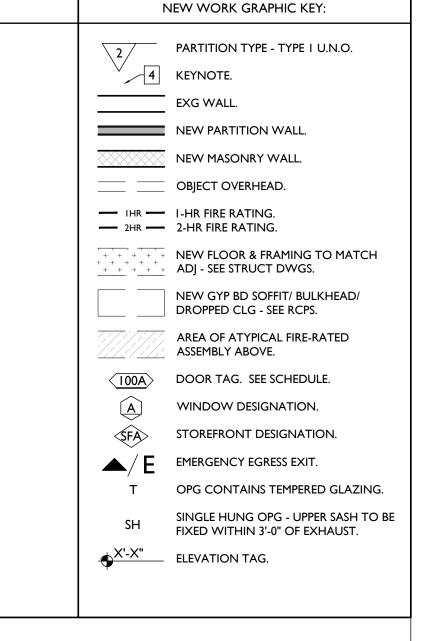
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22.1 PROVIDE RADON RISER, AS REQUIRED BY OWNER'S CONSULTANT. RISER TO EXTEND FROM BASEMENT TO ATTIC.

22.2 PLUMBING CHASE (OR WALL) - VERIFY LOCATIONS IN FIELD TO

- ROOF EDGE. SEE HVAC & STRUCTURAL DWGS.
- TO BE PAINTED TO MATCH ADJACENT BRICK. SEE ELEVATIONS
- - FRONT. PAINT TO MATCH ADJACENT WALL W APPROPRIATE
- 26.2 NEW EXTERIOR LIGHTING. NO EXPOSED CONDUIT ON FACE OF



ATTIC (REAR) FIRST FLOOR (FRONT)

ONSTRUCTION

REE

Progress Dates

Revisions

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

Job No: 22042 08/30/2024

SCALE: 1/4" = 1'-0"

PROPOSED ELEVATION - EAST

CONTRACT DOCUMENTS.

3. CONCRETE

3.2 VAPOR MITIGATION SYSTEM BELOW SLAB, AS REQUIRED BY OWNER'S CONSULTANT. SEE CONSULTANT DESIGN FOR SYSTEM DETAILS AND LOCATIONS OF VERTICAL VENTS. SEE

AT GRADE. WALL TO BE INFILLED W/ CMU. SEE STRUCTURAL

- 3.4 INFILL PREVIOUS BASEMENT HATCH/RECESSED ENTRY. COORDINATE EXTERIOR PAVEMENT/GRADING WORK W/ CIVIL.
- PER SHPO NARRATIVE. 4.2 REPLACE DAMAGED/MISSING BRICK AS SHOWN ON
- 4.4 REPAIR EXG MASONRY STRUCTURE/ADDITION AS REQ. SEE STRUCTURAL DWGS.

- 5.2 NEW STEEL PIPE GUARDRAIL. SEE DETAILS.
- 5.3 REPAIR/RETAIN EXG FIRE ESCAPE. PAINT BLACK.

6.1 REPAIR DAMAGED WOOD STAIR TREADS/RISERS AS REQ'D.

- 6.3 REPAIR/RETAIN EXG CORNICE. REPAINT.
- 6.5 NEW FRAMING/SHEATHING/DECKING IN THIS AREA. SEE STRUCTURAL DWGS.

7. THERMAL AND MOISTURE PROTECTION 7.1 REPAIR/RE-LINE EXG BOX GUTTER.

- 7.3 NEW PVC AT LOWER 6' OF DOWNSPOUT. PAINT TO MATCH 10. SPECIALTIES CRICKETS WHERE REQUIRED FOR POSITIVE DRAINAGE AND W/
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 - DETAILS. INSULATION PER SCHEDULE. 7.8 HATCHED AREA SHOWS APPROXIMATE LOCATION OF NEW FIXED ROOF WALKWAY PADS.

- FIRE-RATING BEHIND MAILBOXES, WHEN REQ. TERMINATION BARS & METAL COUNTERFLASHING - SEE ROOF 10.2 ENTRY SYSTEM CALLBOX B.O.D. = "2N ACCESS CONTROL" DETAILS. INSULATION PER SCHEDULE, B.O.D - 60 MIL WHITE TPO. 10.3 CLOSETS W/ BLOCKING AT RODS & BRACKETS. PROVIDE 12"
 - B. WALK-IN CLOSET. C. ABOVE W/D.
 - LOCAL FIRE MARSHAL. A. SURFACE MOUNTED.

- MELAMINE SHELF & CLOTHES ROD @ 66" A.F.F.; TYP U.N.O.:
- 10.6 PROVIDE DRAIN PAN BENEATH WASHING MACHINE/ WATER 26.3 NEW MAST HEAD. SEE ELECTRICAL DWGS.

22. PLUMBING SEE CONSULTANT DESIGN FOR LOCATIONS OF RISERS. SEE NOTE 3.2. COORDINATE WITH PLUMBING. ALIGN CONCEALMENT BETWEEN FLOORS. 22.3 HOSEBIB LOCATION. SEE PLUMBING DRAWINGS.

23. HEATING, VENTILATING, AND AIR CONDITIONING 23.1 MECHANICAL UNIT(S) - WALKING PADS TO & AROUND EQUIPMENT. GUARDRAIL REQUIRED IF EQUIPMENT < 10' FROM

- A. ROOF <3:12, INSTALL C.U. ON SOUND ISOLATING PADS 23.2 NEW EXHAUST/INTAKE LOUVERS ON EXTERIOR WALL. LOUVERS
- AND MECHANICAL DWGS. 23.3 EXHAUST SHAFT FOR FUTURE KITCHEN EXHAUST.

26. ELECTRICAL

- 26.1 ELECTRIC PANEL RECESSED IN WALL W/ 30"W X 36"D CLEAR IN PAINT TYPE FOR PANEL.

KEYED NOTES ARE CATEGORIZED FOR ORGANIZATIONAL PURPOSES | 6. WOOD, PLASTICS, AND COMPOSITES ONLY. NOTES MAY REQUIRE MATERIALS OR WORK IN CATEGORIES OTHER THAN WHERE THEY OCCUR. THE CONTRACTOR IS RESPONSIBLE FOR THE WORK DESCRIBED IN ALL APPLICABLE NOTES REGARDLESS OF THE CATEGORY IN WHICH THEY OCCUR.

ALL KEYED NOTES LISTED MAY NOT APPLY TO THIS SHEET.

3. CONCRETE

- 3.1 NEW CONCRETE SLAB. SLOPE TO DRAIN, AND CONNECT FLOOR DRAINS SEWER. SEE STRUCTURAL DRAWINGS. 3.2 VAPOR MITIGATION SYSTEM BELOW SLAB, AS REQUIRED BY OWNER'S CONSULTANT. SEE CONSULTANT DESIGN FOR
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SYSTEM DETAILS AND LOCATIONS OF VERTICAL VENTS. SEE

3.4 INFILL PREVIOUS BASEMENT HATCH/RECESSED ENTRY.

4. MASONRY

- 4.1 TUCKPOINT BRICK AS SHOWN ON STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE.
- 4.2 REPLACE DAMAGED/MISSING BRICK AS SHOWN ON STRUCTURAL ELEVATIONS & PER SHPO NARRATIVE.
- AT EXTERIOR. BRICK IS TO MATCH EXG ADJACENT HISTORIC OPG IS TO BE SET BACK I" FROM FACE OF EXG WALL. SEE
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- .I NEW CONTINUOUS STEEL PIPE HANDRAIL. SEE DETAILS. 5.2 NEW STEEL PIPE GUARDRAIL. SEE DETAILS.
- 5.3 REPAIR/RETAIN EXG FIRE ESCAPE. PAINT BLACK.
- 6.1 REPAIR DAMAGED WOOD STAIR TREADS/RISERS AS REQ'D.
- 6.2 NEW RAKE TRIM & GUTTERBOARD TO MATCH EXISTING SEE ELEVATIONS. 6.3 REPAIR/RETAIN EXG CORNICE. REPAINT.
- 6.4 REPAIR/REPLACE EXG WOOD SIDING AS REQ. REPLACEMENT 6.5 NEW FRAMING/SHEATHING/DECKING IN THIS AREA. SEE
- STRUCTURAL DWGS. 6.6 NEW WOOD STRUCTURAL MEMBERS. SEE STRUCTURAL DWGS. 9. FINISHES 6.7 EXHAUST DUCT TO ROOF TO BE CONTAINED WITHIN WALL 9.1 EXG PLASTER AT MASONRY WALL TO BE PATCHED AND CAVITY. COORDINATE WITH MECHANICAL DRAWINGS.
- 7. THERMAL AND MOISTURE PROTECTION

7.1 REPAIR/RE-LINE EXG BOX GUTTER.

- ADJACENT WALL SURFACE. SEE EXTERIOR ELEVATIONS. TIE INTO 9.4 NOT USED. EXISTING SEWER SYSTEM. 7.3 NEW PVC AT LOWER 6' OF DOWNSPOUT. PAINT TO MATCH 10. SPECIALTIES
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- BASIS OF DESIGN = BILCO E50TB, 36"X36". BRICK IN SIZE, TEXTURE, AND APPEARANCE. FACE OF BRICK IN 7.6 PROVIDE NEW DARK BRONZE METAL CAP AT CHIMNEY.
 - DETAILS. INSULATION PER SCHEDULE. 7.8 HATCHED AREA SHOWS APPROXIMATE LOCATION OF NEW FIXED ROOF WALKWAY PADS.

8. OPENINGS

- 8.1 NEW SKYLIGHT IN PREVIOUS SKYLIGHT OPG. B.O.D. VELUX
- SINGLE LITE ALUMINUM CLAD SKYLIGHT. VERIFY EXG OPG SIZE IN FIELD. COORDINATE FINISH WITH ARCHITECT. 5.4 NEW STEEL STRUCTURAL MEMBERS. SEE STRUCTURAL DWGS. 8.2 NEW EXTERIOR BUILDING ENTRY DOOR AND FRAME - SEE
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- C. ABOVE W/D. 10.4 PROVIDE "NO SMOKING" SIGN AT EXTERIOR WALL. 7.7 NEW STANDING SEAM METAL ROOF. COLOR TBD. SEE ROOF 10.5 FIRE EXTINGUISHER. COORDINATE FINAL LOCATION WITH
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LOCAL FIRE MARSHAL.

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NEW WORK PLANS & ELEVATIONS # KEYED NOTES:

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- 21.1 APPROX LOCATION OF FDC CONNECTION COORDINATE W/
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22. PLUMBING

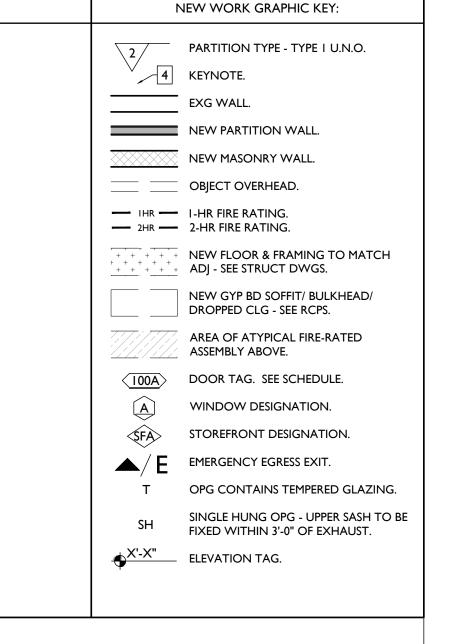
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- 23. HEATING, VENTILATING, AND AIR CONDITIONING 23.1 MECHANICAL UNIT(S) - WALKING PADS TO & AROUND EQUIPMENT. GUARDRAIL REQUIRED IF EQUIPMENT < 10' FROM ROOF EDGE. SEE HVAC & STRUCTURAL DWGS.
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- 26.1 ELECTRIC PANEL RECESSED IN WALL W/ 30"W X 36"D CLEAR IN FRONT. PAINT TO MATCH ADJACENT WALL W APPROPRIATE PAINT TYPE FOR PANEL.
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ATTIC (REAR)

Progress Dates

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Revisions

Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM

ONSTRUCTION

Job No: 22042 08/30/2024

SCALE: 1/4" = 1'-0"

ADJĄCENT BUŁDING

PROPOSED ELEVATION - SOUTH

FIRST FLOOR (FRONT) 100'-0"

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SYSTEM DETAILS AND LOCATIONS OF VERTICAL VENTS. SEE

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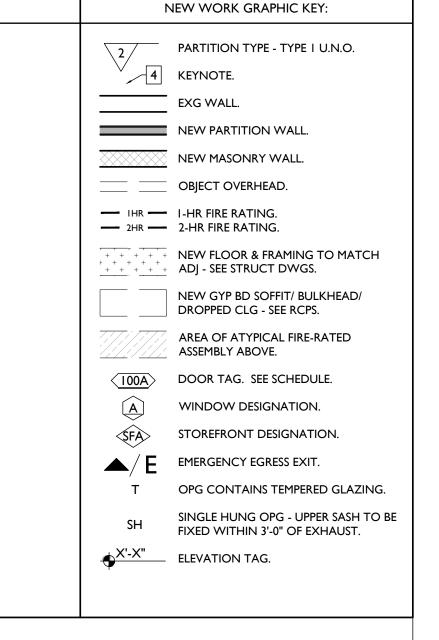
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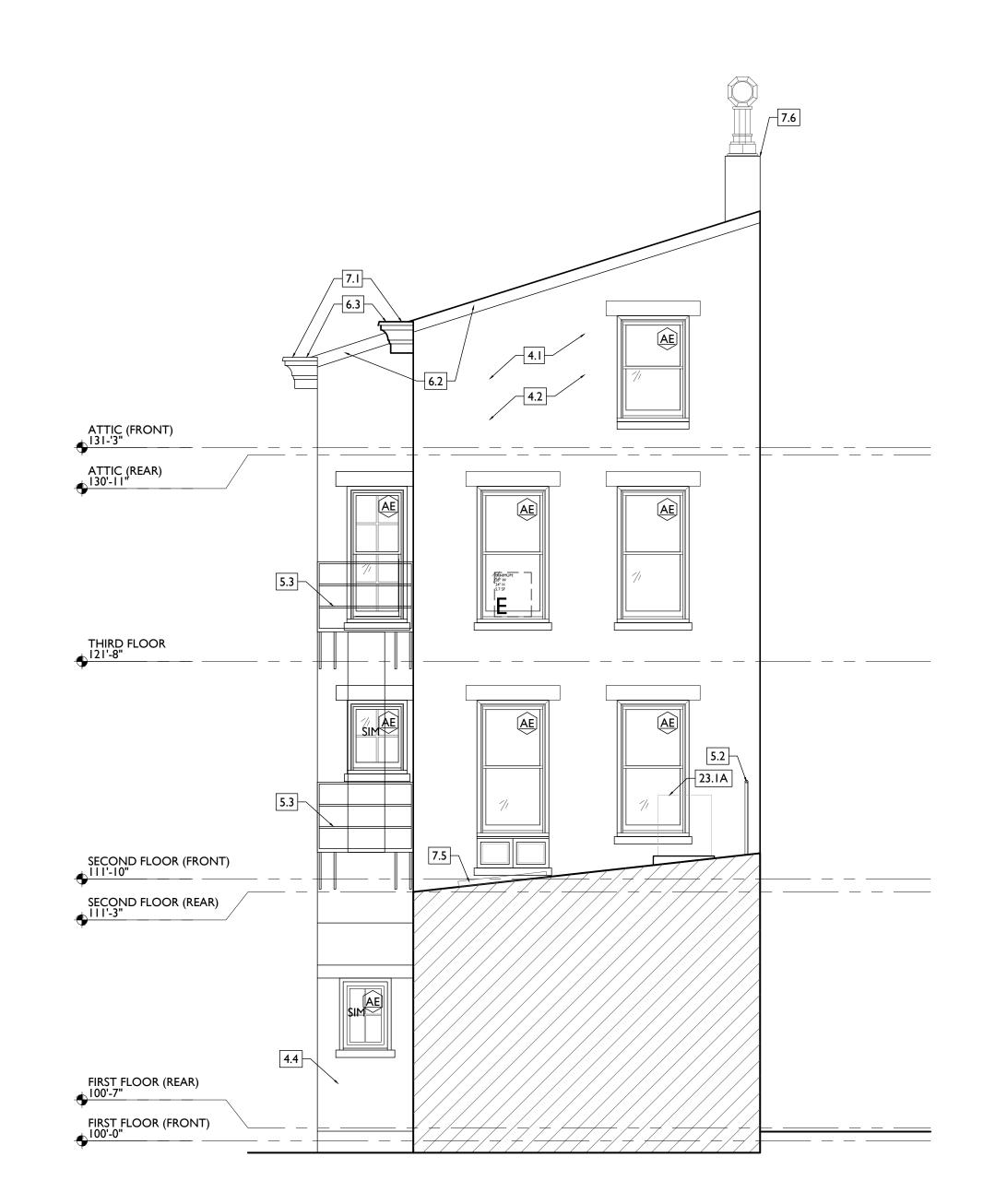
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Progress Dates 2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2 Revisions Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM

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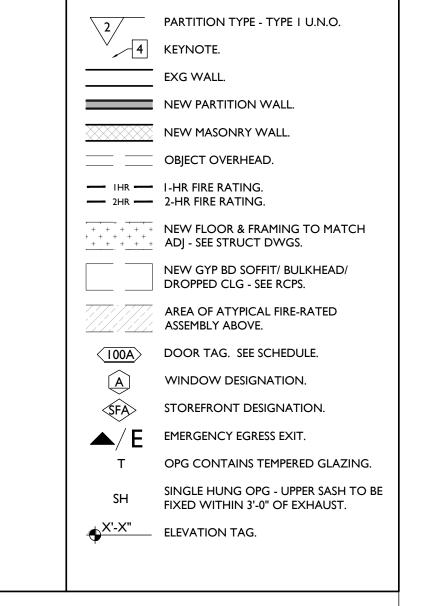
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NEW WORK GRAPHIC KEY:



Design Team:
CO, JK, MR, MR, RK, RO, SO, TB
Drawn by:
MR, AM CONSTRUCTION

STREET

Progress Dates

Revisions

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

RENOVATION I 807 V

APPLIANCE/ EQUIPMENT SCHEDULE						
ITEM/ LOCATION	CODE	DESCRIPTION	FINISH	MOUNTING HEIGHT, SEE ELEVATIONS.		
MICROWAVE HOOD, RESIDENTIAL KITCHENS	EQ-I	MANU: GE - I.7 CU.FT. OVER-THE-OVEN MICROWAVE OVEN OUTSIDE EXHAUST - VERTICAL VENT MODEL: JVM3162RJSS	STAINLESS			
RANGE/OVEN, RESIDENTIAL KITCHENS	SIDENTIAL EQ-2 RESISTANT RANGE WITH CONVECTION		STAINLESS	MOUNTING HEIGHT, SEE ELEVATIONS.		
DISHWASHER, RESIDENTIAL KITCHENS	EQ-3	MANU: GE-24" WIDE DISHWASHER WITH FRONT CONTROLS MODEL: GDF510PSRSS	STAINLESS	MOUNTING HEIGHT, SEE ELEVATIONS.		
REFRIGERATOR, I BEDROOM & EFFICIENCY UNITS	EQ-4	MANU: GE - 24" WIDE SMALL SPACE TOP-FREEZER REFRIGERATOR - 11.6 CU.FT MODEL: GPE12FSKSB	STAINLESS WITH BLACK HANDLES	MOUNTING HEIGHT, SEE ELEVATIONS.		
REFRIGERATOR 2&3 BEDROOM UNITS	EQ- 5	MANU: GE - 30" WIDE TOP-FREEZER REFRIGERATOR - 19.2 CU.FT. MODEL: GPE12FSKB	FINGERPRINT RESISTANT STAINLESS	MOUNTING HEIGHT, SEE ELEVATIONS.		
WASHER, RESIDENTIAL EQ-6 UNITS		MANU: GE - 27" WIDE FRONT LOAD WASHER 4.5 DOE CU.FT. MODEL: GFW430SSMWW	WHITE	MOUNTING HEIGHT,SEE PLANS		
DRYER, RESIDENTIAL UNITS	EQ-7	MANU: GE - 27" WIDE FRONT LOAD DRYER 7.5 CU.FT. CAPACITY	WHITE	MOUNTING HEIGHT,SEE PLANS		
WASHER, SHARED LAUNDRY FACILITIES	EQ-8	MANU: SPEED QUEEN QUANTUM GOLD FRONT CONTROL FRONT LOAD WASHER	WHITE	MOUNTING HEIGHT,SEE PLANS		
		MANU: SPEED QUEEN QUANTUM GOLD PRO FRONT CONTROL SINGLE DRYER	WHITE	MOUNTING HEIGHT, SEE PLANS		
MICROWAVE, ACCESSIBLE RESIDENTIAL KITCHENS	EQ-10	MANU: FRIGIDAIRE GALLERY - 2.2 CU.FT. BELOW COUNTERTOP BUILT-IN MICROWAVE OVEN (#GMBS3068AF) W/ 27" TRIM KIT	STAINLESS	MOUNTING HEIGHT, SEE ELEVATIONS.		
RANGE HOOD, ACCESSIBLE RESIDENTIAL KITCHENS	EQ-11	MANU: GE - 30" WIDE OVER THE RANGE CONVERTIBLE HOOD	FINGERPRINT RESISTANT STAINLESS	MOUNTING HEIGHT, SEE ELEVATIONS.		

FLOOR GENERAL NOTES

- WHERE EXG. HEARTH TILE IS PRESENT. PROTECT AND MAINTAIN AS IS.
 WHERE EXG. HEARTH IS CONCRETE, PATCH / PROVIDE SOME SKIM COAT. PAINT CONCRETE. COLOR TBD.
- 3. TRANSITION TYPES: 3.1. PROVIDE TRANSITION STRIPS WHERE CHANGES IN MATERIAL OCCUR. 3.2. PROVIDE NEW WOOD TRANSITIONS WHERE NEW WOOD FLOOR MEETS HISTORIC
- 3.3. WHERE FLOOR TILE TRANSITIONS TO WOOD PROVIDE ALUMINUM TILE EDGE. B.O.D
- BENGARD-SHUR-TRIM. THICKNESS TO BE DETERMINED IN THE FIELD. . INFILL WOOD TO MATCH SPECIES, WIDTH, AND STAIN OF EXISTING WOOD FLOORS. TOOTH-IN TO EXISTING WHERE POSSIBLE.

FLOOR FINI	SH LEGEND (SEE FINISH SCHEDULES A4.00-A4.02 FOR DETAILS)
	FL-I EXG HISTORIC FINISH FLOORS TO REMAIN
+ + + + + + + + + + + + + + + + + + +	FL-2 NEW WOOD FLOORS
	FL-3 RESTROOMS
	FL-4 RESIDENTIAL LAUNDRY/ MECH ROOMS BUILDING STORAGE ROOMS

MATERIAL / LOCATION	CODE	DESCRIPTION	NOTES	SOURCE
	I	FLOORING		
existing wood	FL-I	EXISTING WOOD FLOORING FINISH: MINWAX STAIN COLOR: HEIRLOOM OAK MW441	STRIP, SAND AND STAIN PER	
FLOORING - WHERE MAINTAINED		INFILL WOOD TO MATCH SPECIES, WIDTH, AND STAIN OF EXISTING WOOD FLOORS TOOTH INTO EXISTING WHERE POSSIBLE	MANUFACTURER'S SPECIFICATIONS	
NEW WOOD FLOORING - WHERE REQUIRED	FL-2	MANU: WOODWARD FLOORING FINISH: NATURAL WHITE OAK PLANK WIDTH: 3.25"	SEE FINISH PLANS FOR INSTALL DIRECTION.	
FLOOR TILE - BATHROOMS AND ADJACENT MEP/LAUNDRY ROOMS	FL-3	MANU: FLORIDA TILE COLLECTION: AURA COLOR: EARTH BEIGE SIZE: 12 X 24 - 3/8" THICKNESS GROUT: LATICRETE; COLOR: 97 IRON INSTALL: RUNNING BOND WITH 1/3 OFFSET	PROVIDE LIQUID APPLIED WATERPROOF MEMBRANE BELOW TILE AND FIRESTOP SEALANT AT FLOOR PENETRATIONS	FLORIDA TILE EMILY FISCHER EMILY.FISCHER@FLORIDATILE. OM 513.824.1791
VCT - MEP/LAUNDRY ROOM FLOORS	FL-4	MANU: ARMSTRONG COLLECTION: EXCELON VCT COLOR: 51861 SOFT WARM GRAY	USE IN LAUNDRY AND MEP ONLY IF ROOM IS NOT ADJACENT TO BATHROOM. UNDERLAYMENT AS REQ'D.	PAUL MCKAY PAMCKAY@ARMSTRONGFLOORING.COM 513.515.0228
FLOOR TILE - KITCHENS WHERE REQUIRED	FL-5	MANU: FLORIDA TILE COLLECTION: AURA COLOR: EARTH BEIGE SIZE: 12 X 24 - 3/8" THICKNESS GROUT: LATICRETE; COLOR: 97 IRON INSTALL: RUNNING BOND WITH 1/3 OFFSET	PROVIDE LIQUID APPLIED WATERPROOF MEMBRANE BELOW TILE AND FIRESTOP SEALANT AT FLOOR PENETRATIONS	FLORIDA TILE EMILY FISCHER EMILY.FISCHER@FLORIDATILE. OM 513.824.1791
FLOOR TILE - RECESSED EXTERIOR ENTRY WHERE REQUIRED	FL-6	MANU: FIRE EARTH COLOR: BLACK, PORCELAIN FINISH: MATTE SIZE:: IXI GROUT: LATICRETE; COLOR: 24 NATURAL GRAY STRAIGHT JOINT	SEE FINISH PLANS FOR LOCATION. SEE DETAILS. INSTALL PER MANUFACTURER'S INSTRUCTIONS.	THE TILE SHOP ITEM #615819
		WALL TILE		
TILE - SHOWER WALLS	WT-I	MANU: FLORIDA TILE COLLECTION: ALUSTRA SIZE: 12x24 COLOR: MAJESTIC WHITE GROUT: MAPEL II; COLOR: 93 WARM GREY INSTALL: HORIZONTAL RUNNING BOND	BLACK SCHLUTER EDGE	LOUISVILLE TILE ROBYN VIDIC RVIDIC@LOUISVILLE-TILE.COM 513-276-4840
TILE - KITCHEN BACKSPLASH	WT-2	MANU: MOSA COLLECTION: COLORS SIZE: 6X6 COLOR: ACCENT WHITE GROUT: MAPEL II; COLOR: WARM GREY INSTALL: HORIZONTAL RUNNING BOND		
		<u>PAINT</u>		
GENERAL PAINT - UNIT AND CORRIDOR WALLS AND CEILING	PT-I	MANU: PPG ARCHITECTURAL COATINGS COLOR: SILVER FEATHER - PPG 1002-1	WALL FINISH: SATIN CEILING FINISH: FLAT	
PAINT - UNIT TRIM	PT-2	MANU: PPG ARCHITECTURAL COATINGS COLOR: IN THE CLOUD - PPG 0999-I	BASE, TRIM, MILLWORK FINISH: SEMI-GLOSS	
PAINT - UNIT ENTRY DOORS CORRIDOR: HISTORIC MILLWORK & STAIR RISERS AS REQ'D PER BUILDING	PT-3	MANU: PPG ARCHITECTURAL COATINGS COLOR: IN THE CLOUD - PPG 0999-I	FINISH: SEMI-GLOSS	
PAINT - STAIR TREADS AND/OR RISERS, AND RAILING BALUSTER AS REQ'D PER BUILDING	PT-4	MANU: PPG ARCHITECTURAL COATINGS COLOR: STONEHENGE GREIGE - PPG 1024-5	FINISH: SEMI-GLOSS SEE FINISH FLOOR PLANS	
		WALL BASE		
HISTORIC WOOD BASE - WHERE ABLE TO RETAIN	WB-I	IN-UNIT: PT-2	KEEP ALL HISTORIC BASE - REPAIR/RETAIN WHEN PRESENT. PATCH TO MATCH ADJACENT.	
		STAIR HALL: PT-3 MANU: FLORIDA TILE COLLECTION: AURA	CLEAN, SAND, AND PAINT. TILE TO ALIGN WITH WALL BASE	LOUISVILLE TILE ROBYN VIDIC
TILE BASE - BATHROOMS	WB-2	COLOR: EARTH BEIGE SIZE: 12 X 24 - 3/8" THICKNESS GROUT: LATICRETE - 97 IRON CONTRACTOR PROVIDED 1X6 POPLAR W/ TOE MOLDING	3 X 24" BLACK SCHLUTER EDGE	RVIDIC@LOUISVILLE-TILE.COM 513-276-4840
TYPICAL NEW PAINTED WOOD BASE - WHERE REQUIRED.	WB-3	IN-UNIT: PT-2		
negomes.		STAIR HALL: PT-3		

				SOLID SURFACE		
			CORIAN - QUARTZ : CALCATTA VILLA - 2CM		BRIAN FORTIN BRIAN.FORTIN@OVSCO.COM 513.582.2528	
			_	CASEGOODS		
CABINETS - IN UNITS/ COMMERCIAL RR CG-1 DOOF MAPLE		DOOR S	SMART CABINETS W/ PLYWOOD BOX STYLE: SUMMIT (SOLID WOOD) FULL OVERLAY STAIN - FAWN	DOOR PULLS - MANU: AMEROCK MONUMENT 5-1/16" CENTER TO CENTER CABINET PULL MODEL: BP36571FB FINISH: BLACK	SMART CABINETRY SALES@SMARTCABINETRY.COM 574.831.5010	
				GLASS		
GLASS SHOWER ENCLOSURE - UNIT BATHROOMS DOOR MODEL: GLASS: A		DOOR MODEL: GLASS: A	A FRAMELSS 3/8" GLASS SWING DOOR & PANEL SHOWER CELA-935 AQUA GLIDE GLASS CHROME			
		1		OTHER		
BLINDS				(WOOD BLINDS AT ALL RESIDENTIAL UNITS, WHITE VERIFY ALL LOCATIONS WITH OWNER		
UNIT ENTRY SIGI	UNIT ENTRY SIGNAGE BECIZY NUMBE COORI		NUMBER	DINATE LOCATIONS WITH ACCESSIBILITY REQUIREMENTS	FINAL LOCATION TO BE DETERMINED BY OWNER	AMAZON https://tinyurl.com/mr37xwxn
BATHRO	OM EC	QUIPM	1ENT	SCHEDULE		
CODE	ITEM			MANUFACTURER & PRODUCT #	MOUNTING HEIGHT	REMARKS
А	GRAB B	GRAB BARS		MANU: BOBRICK LINE: B-5806X18 SIZE: (18") X 36 (36") & 42 (42")	PER ELEVATIONS & ACCESSIBILITY REQUIREMENTS	COMMERCIAL BATHROOM
В	DIAPER (DIAPER CHANGE STATION		MANU: KOALA KARE MODEL: KB200-SS HORIZONTAL WALL MOUNTED FINISH: GREY 01	48" A.F.F. MAX MOUNTING HEIGHT TO T.O. STATION. WORKSURFACE WHEN OPEN TO BE 34" MAX - 28" MIN.	COMMERCIAL BATHROOM
CI	CI MEDICINE CABINET C2			RECESSED: MANU: KOHLER 16"x20" SINGLE DOOR REVERSIBLE HINGE FRAMELESS MIRRORED MEDICINE CABINET MODEL: K-CB-CLRT620FS		
C2			I	SURFACE MOUNTED: RANGAIRE SURFACE MOUNT 16"X22" SINGLE DOOR MEDICINE CABINET WITH REVERSIBLE DOOR SWING MODEL: 4565MX	PER ELEVATIONS	UNIT BATHROOMS
D	D PAPER TOWEL DISPENSER		Spenser	ASI TRADITIONAL PAPER TOWEL DISPENSER MULTI, C-FOLD, SURFACE MOUNTED BLACK MODEL: ASI 0210-41	PER ACCESSIBILITY REQUIREMENTS, 48" MAX TO HIGHEST OPERABLE PART	COMMERCIAL BATHROOM
EI	EI TOILET TISSUE DISPENSER			HARNEY HARDWARE COLLECTION: CLEARWATER TOILER PAPER HOLDER FINISH: MATTE BLACK PRODUCT #10220	PER ELEVATIONS & ACCESSIBILITY REQUIREMENTS	UNIT/COMMERCIAL BATHROOMS
E2 TOWEL HOOK E3 ROBE HOOK		TOWEL HOOK		HARNEY HARDWARE COLLECTION: CLEARWATER 24" TOWEL BAR FINISH: MATTE BLACK PRODUCT #10222	48" A.F.F.	UNIT BATHROOMS
			"HARNEY HARDWARE COLLECTION: CLEARWATER ROBE HOOK FINISH: MATTE BLACK PRODUCT # 10218"	48" A.F.F.	UNIT/COMMERCIAL BATHROOMS	
F MIRROR			MANU: NUTYPE (HOME DEPOT) COLLECTION: MEDIUM RECTANGLE BLACK SHELVES AND DRAWERS MODERN MIRROR SIZE: 24 X 36 FINISH: BLACK	PER ELEVATIONS & ACCESSIBILITY REQUIREMENTS	UNIT/COMMERCIAL BATHROOM	
G TOILET PARTITION		N	MANU: ASI ACCURATE PARTITIONS MATERIAL: SOLID PLASTIC (HDPE)	PER ELEVATIONS & ACCESSIBILITY REQUIREMENTS	COMMERCIAL BATHROOM	

SHOWER CURTAIN ROD TBD

PT-4 AT TREADS/RISERS PT-4 AT TREADS/RISERS PT-4 AT TREADS/RISERS THIRD FLOOR 3 SCALE: 1/8" = 1'-0" SECOND FLOOR 2 FIRST FLOOR SCALE: 1/8" = 1'-0" SCALE: 1/8" = 1'-0" FINISH FLOOR PLANS

FINISH SCHEDULE

PER ELEVATIONS

SCALE: 3/8" = 1'-0"

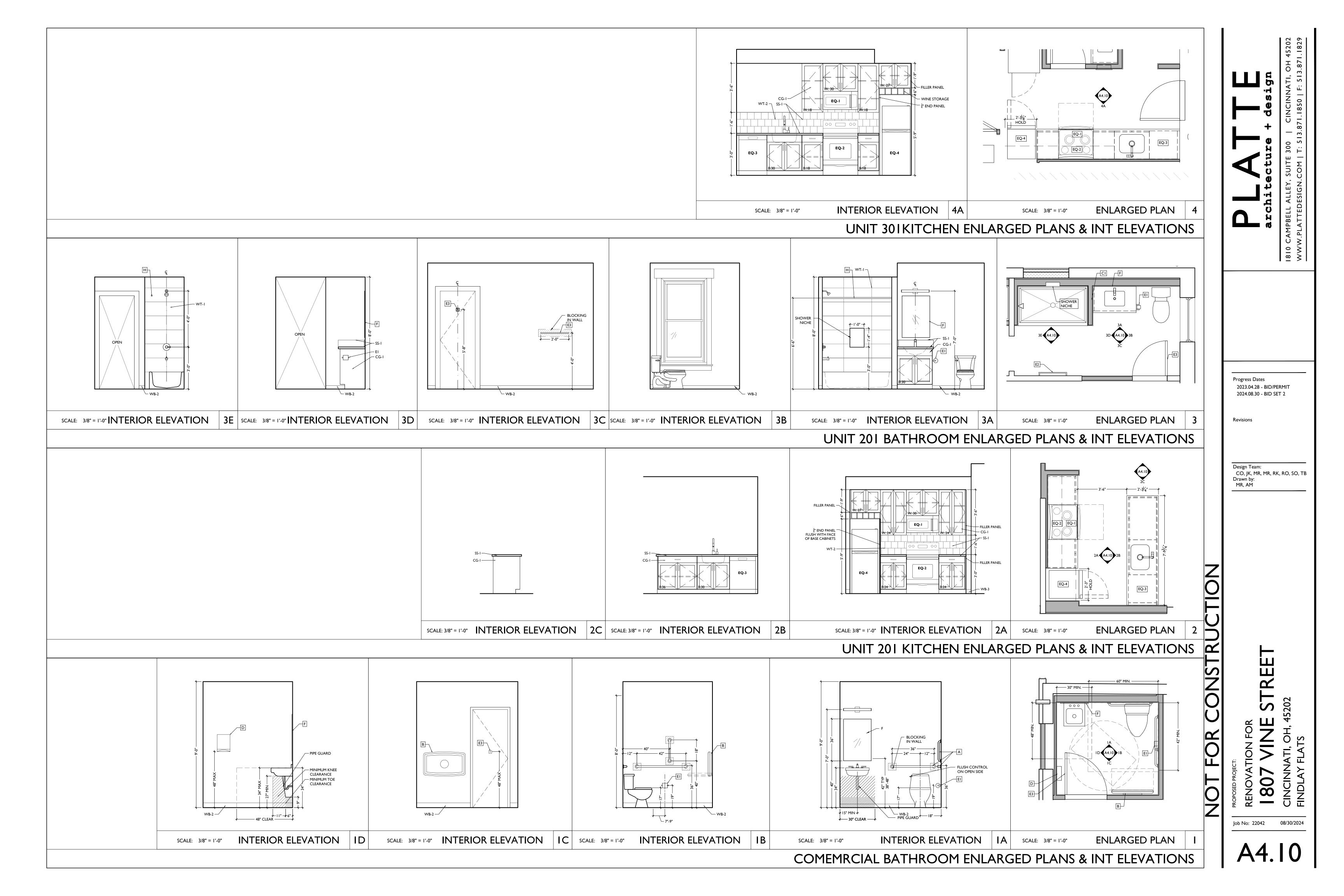
UNIT BATHROOMS

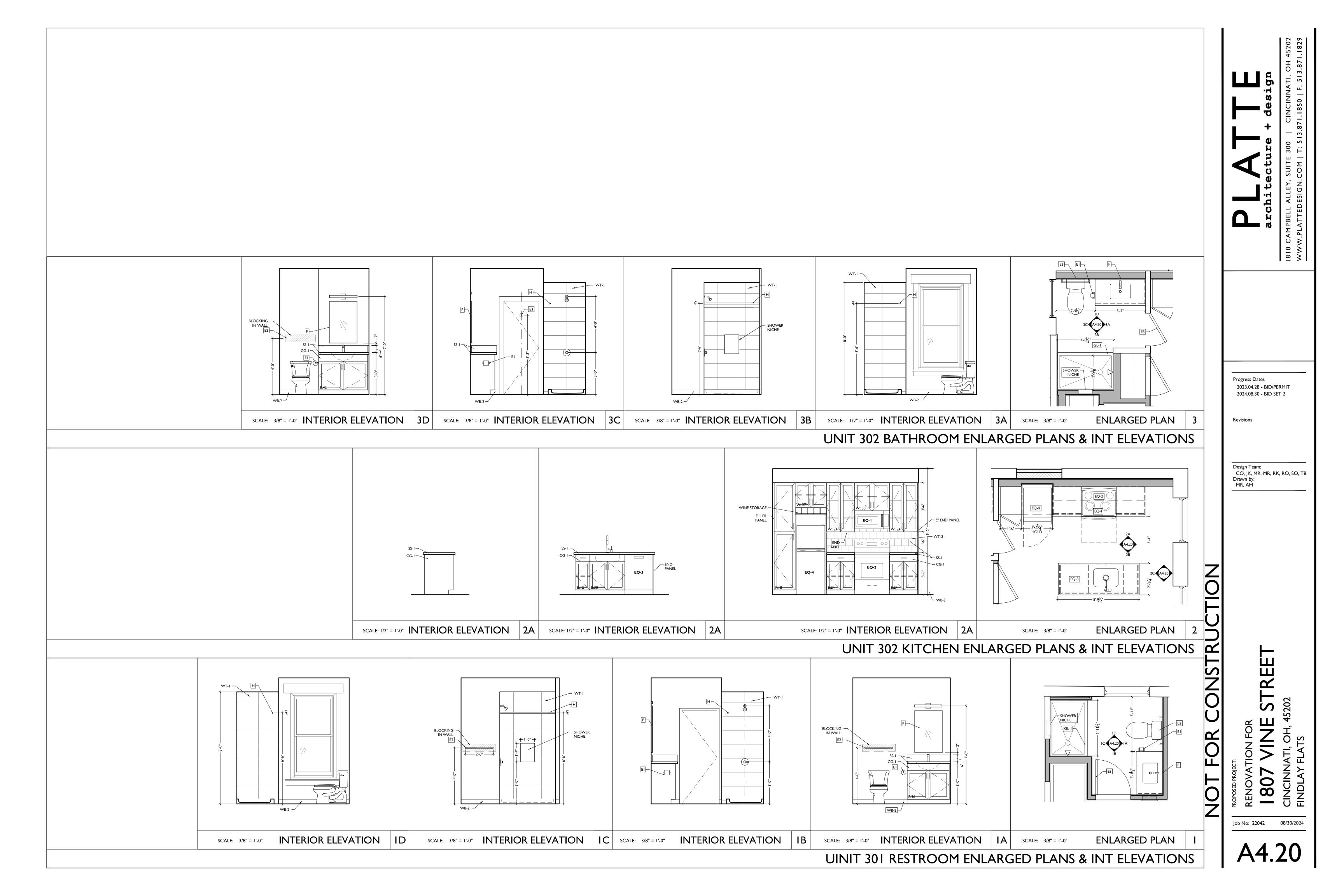
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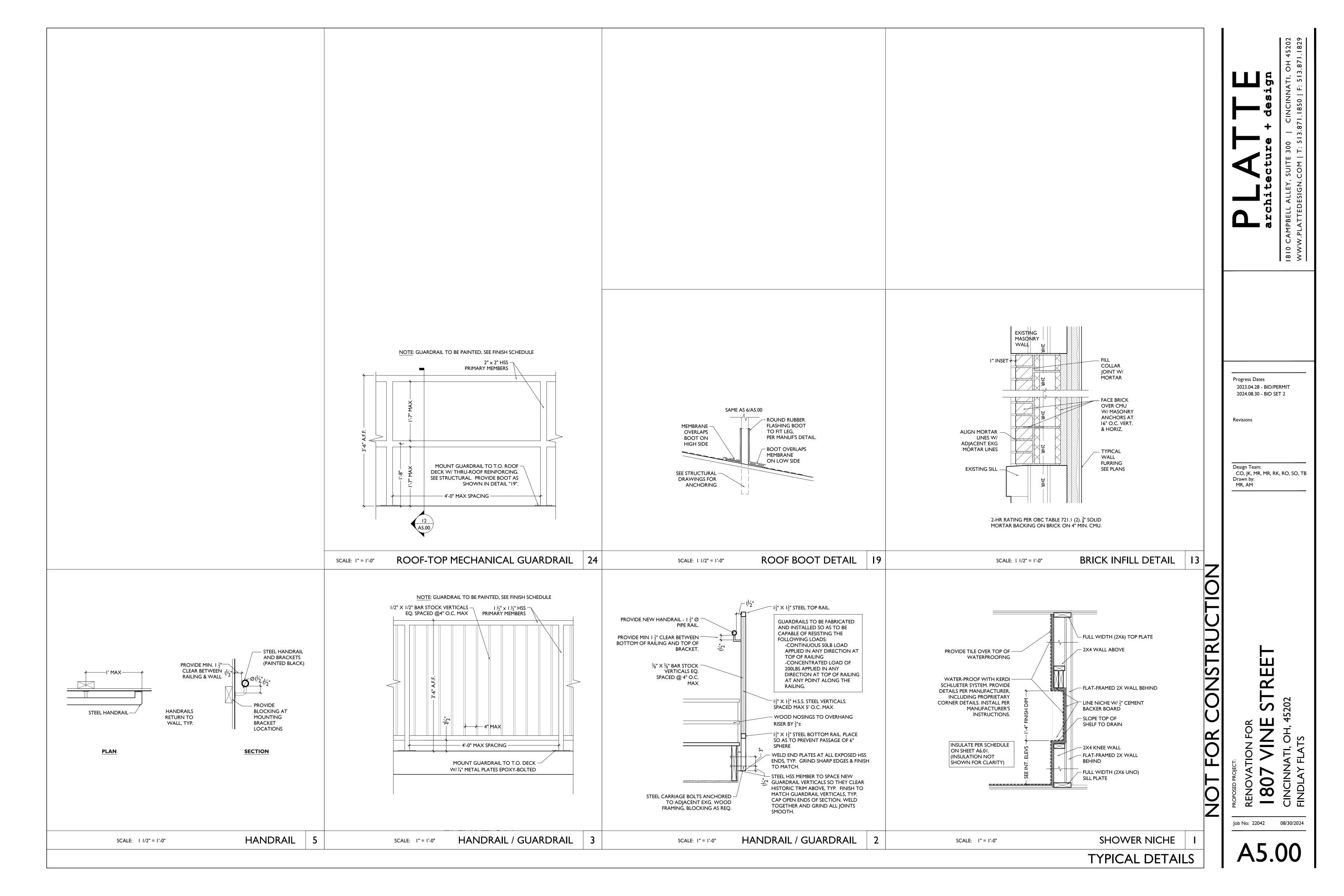
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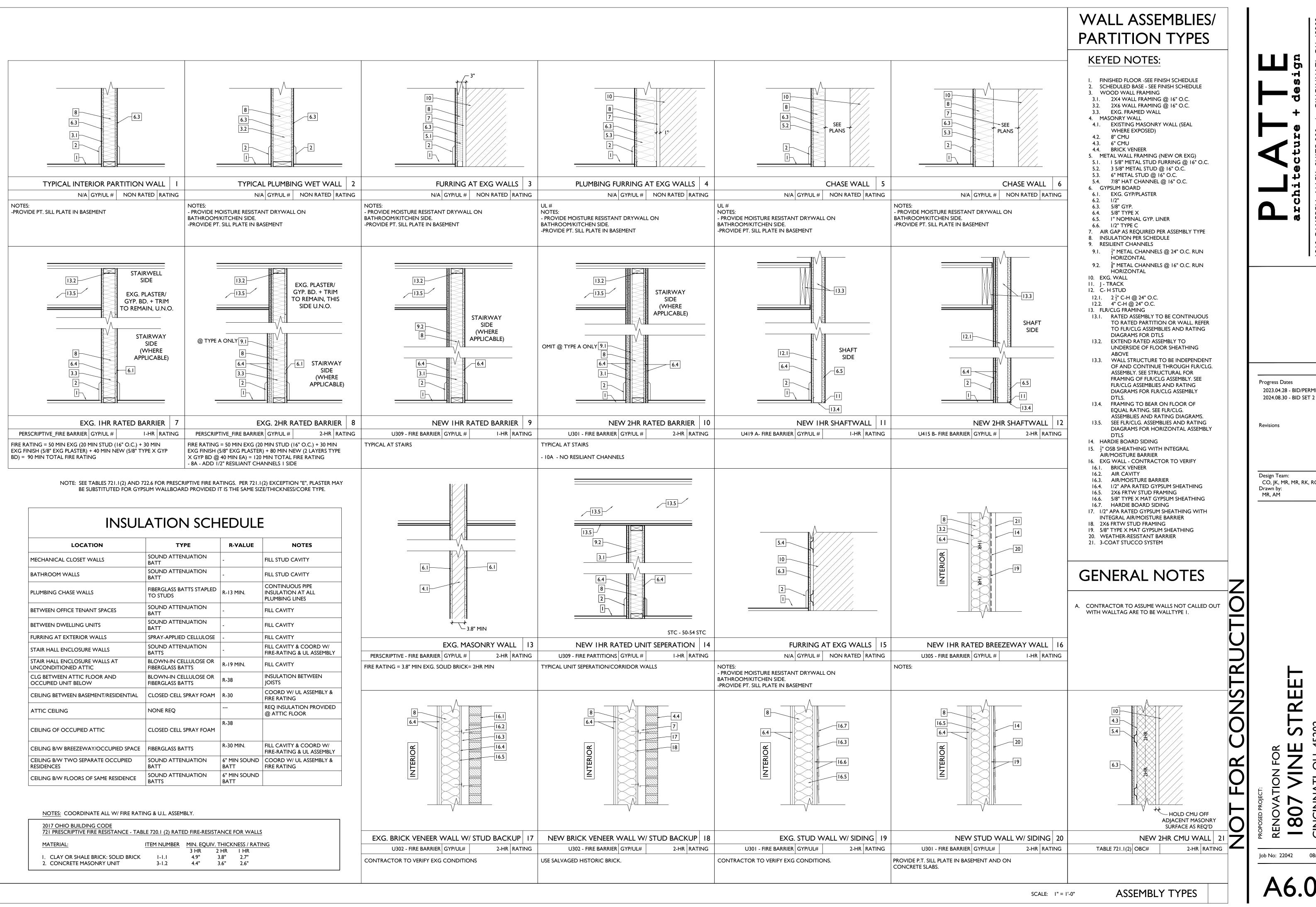
2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM



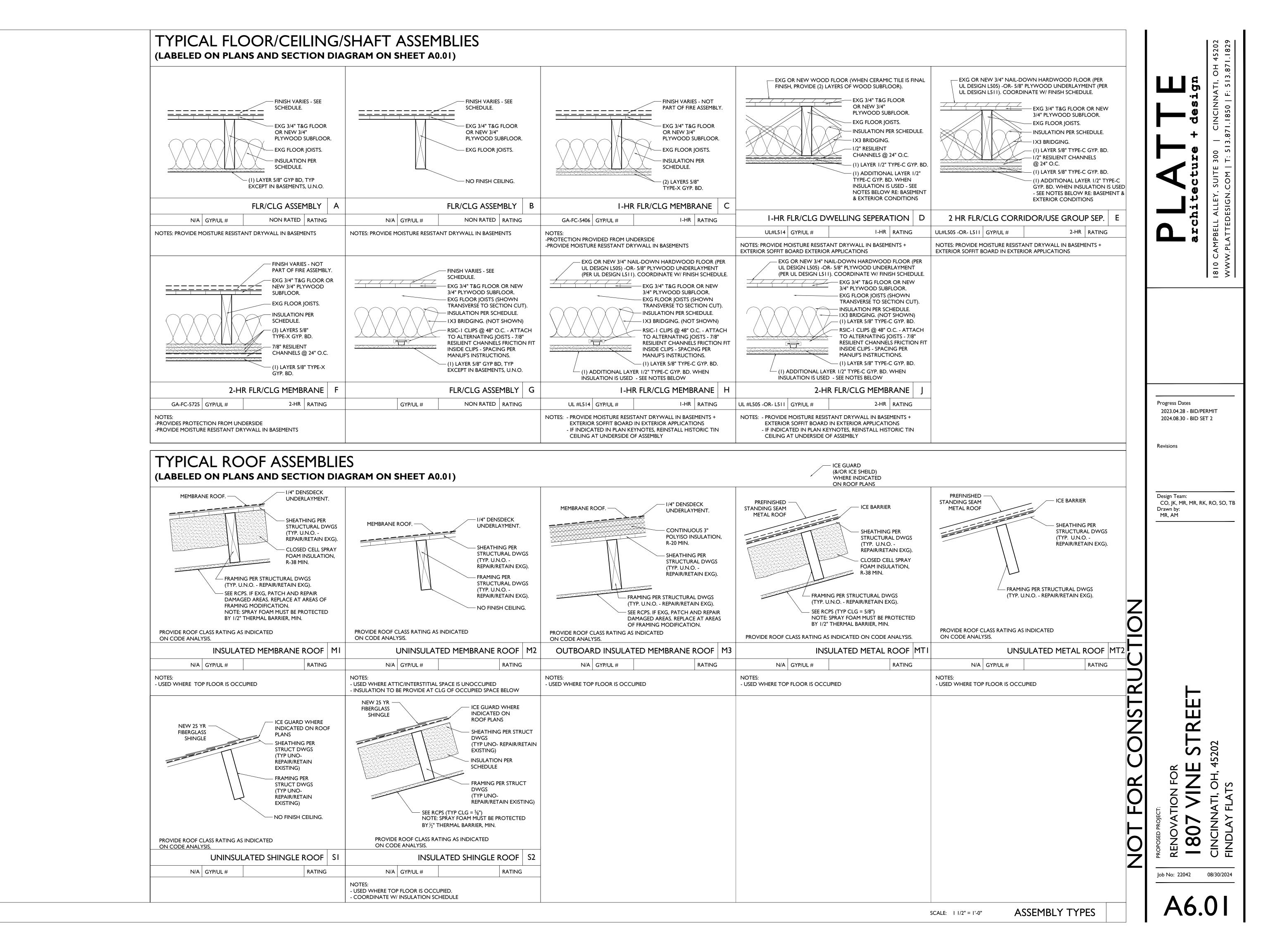


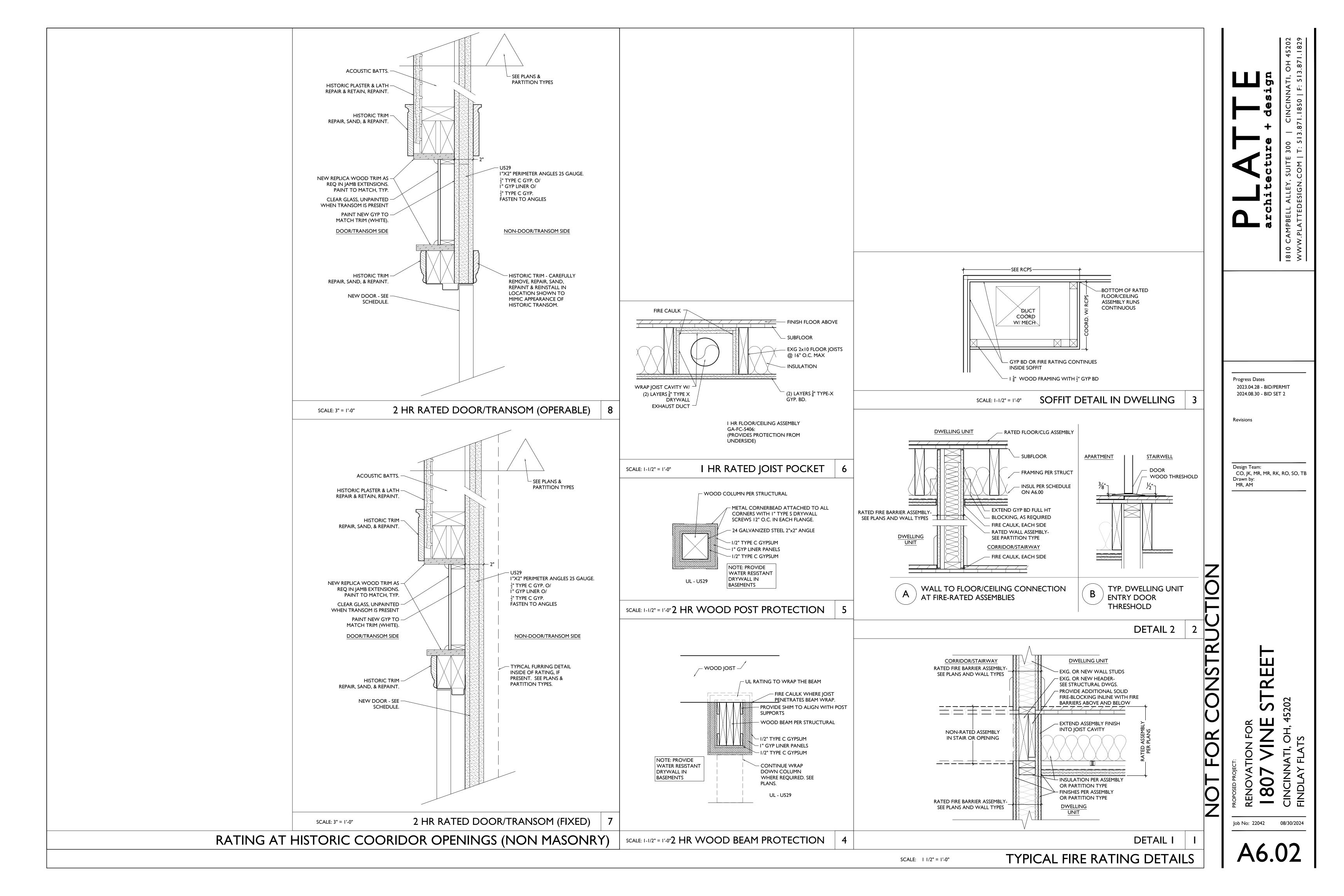




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HAR	DWARE SCH	DULE	CALL OUT LEGENDS
HDWR	М	DESCRIPTION	DOOR FINISHES (ALSO SEE A4.00 AND A8.00-8.01)
H0I	OORS TO REMAIN EXISTING TO REMAIN ERCIAL DOORS	EXISTING HARDWARE SET TO REMAIN	FF DOOR TO BE FACTORY FINISHED AS PART OF NEW STOREFRONT SYSTEM. SEE STOREFRONT TYPES ON A6.12. PT AT EXTERIOR DOORS: SEE EXTERIOR PAINT SCHEDULE ON A8.00-A8.01. AT INTERIOR DOORS: SEE FINISH SCHEDULE ON A4.00.
H02	EXTERIOR COMMERCIAL DOOR (TYPICAL)	ENTRY LOCKSET OUTSIDE KEYLOCK (LOCKED FROM OUTSIDE) LEVER HANDLES INSIDE KEYLOCK W/ SINGLE ACTION LEVER RELEASE: MECHANISM RELEASES DEADBOLT WHEN INTERIOR HANDLE IS TURNED. MEETS EMERGENCY EGRESS REQUIREMENT. I-I/2 PAIR HINGES (I) CLOSER WALL/FLOOR STOP WEATHER SEALS	FRAME TYPES (ALSO SEE A6.11) FI HISTORIC FRAME/TRIM TO REMAIN - REPAIR/REPLICATE MISSING PIECES AS REQ F2 NEW METAL FRAME - SEE DTLS 1-5/A6.11 AND TYPICAL TRIM DTLS A6.11 F3 NEW METAL FRAME - SEE DTLS 1-5/A6.11 - TRIM TO MATCH EXG ADJ. HISTORIC TRIM F4 NEW WOOD FRAME - SEE DTLS 7-8/A6.11 - TRIM TO MATCH EXG ADJ. HISTORIC TRIM F5 NEW WOOD FRAME - SEE DTLS 7-8/A6.11 - TRIM TO MATCH EXG ADJ. HISTORIC TRIM
H02A	EXTERIOR COMMERCIAL DOOR (WITH PANIC HARDWARE)	ENTRY LOCKSET W/ PANIC HARDWARE • RATED HARDWARE • PANIC HARDWARE TO BE EXIT ONLY • OUTSIDE KEY LOCK, INSIDE ALWAYS UNLOCKED • (3) HINGES • (I) CLOSER • WALL/FLOOR STOP • WEATHER SEALS	SF PART OF STOREFRONT SYSTEM - SEE A6.12 NOTE: FRAMES TO BE PAINTED, UNO. SEE FINISH SCHEDULE AND EXTERIOR PAINT SCHEDUFOR MORE INFORMATION. TRANSOM TYPES
Н02В	EXTERIOR COMMERCIAL DOOR (DOUBLE)	ENTRY LOCKSET OUTSIDE KEYLOCK (LOCKED FROM OUTSIDE) LEVER HANDLES INSIDE KEYLOCK W/ SINGLE ACTION LEVER RELEASE: MECHANISM RELEASES DEADBOLT WHEN INTERIOR HANDLE IS TURNED. MEETS EMERGENCY EGRESS REQUIREMENT. 2x(3) HINGES (2) CLOSER WALL/FLOOR STOP WEATHER SEALS	TRI NEW HOLLOW METAL FRAMED TRANSOM TR2 HISTORIC TRANSOM TRIM & GLAZING TO REMAIN. REPAIR/REPLICATE MISSING PIECES AS REQ TR3 NEW WOOD TRANSOM TRIM TO MATCH EXG ADJACENT HISTORIC TRIM OF DOOR - WITH NEW TEMPERED GLAZING TR4 HISTORIC TRANSOM TRIM TO REMAIN. REPAIR/REPLICATE MISSING PIECES AS REQ'D. INSTALL NEW CLEAR GLAZING. SF NEW TRANSOM TO BE PART OF STOREFRONT SYSTEM. SEE STOREFRONT TYPES. GA NEW TRANSOM TO BE PART OF METAL BREEZEWAY GATE. SEE A6.11
H02B1	EXTERIOR COMMERCIAL DOOR (DOUBLE FIXED)	• 1-1/2 PAIR HINGES • (4) PUSH PLATE • (2) FLOOR BOLT • WEATHER SEALS	
H03	INTERIOR COMMERCIAL DOOR	ENTRY LOCKSET OUTSIDE KEYLOCK (LOCKED FROM OUTSIDE) LEVER HANDLES INSIDE KEYLOCK W/ SINGLE ACTION LEVER RELEASE: MECHANISM RELEASES DEADBOLT WHEN INTERIOR HANDLE IS TURNED. MEETS EMERGENCY EGRESS REQUIREMENT. I-1/2 PAIR HINGES (I) CLOSER SMOKE SEAL WALL/FLOOR STOP	SCHEDULE NOTES I. EXISTING HISTORIC OPENING:
H05	COMMERCIAL RESTROOM (SINGLE USER)	PRIVACY LOCKSET • INSIDE THUMB LOCK • LEVER HANDLES • (3) HINGES • KICK/MOP PLATE • WALL/FLOOR STOP	 I.A. EXISTING HISTORIC DOOR (& TRANSOM, IF APPLICABLE) TO REMAIN IN SITU. REPAIR AS REQ. CONTRACTOR TO PROVIDE ALLOWANCE FOR DOOR REPAIR FOR ALL EXG. DOORS TO REMAIN. I.B. EXISTING HISTORIC DOOR IS TO BE FIXED IN PLACE. SEE PLANS. I.C. OPENING TO HAVE RELOCATED HISTORIC DOOR. SEE EXISTING PLANS FOR PREVIOUS LOCATION AND NEW WORK PLANS FOR NEW LOCATION.
H06	DOOR TO BASEMENT/MECHANICAL CLOSET	STORAGE LOCKSET RATED HARDWARE WHERE REQUIRED OUTSIDE KEY LOCK, INSIDE ALWAYS UNLOCKED ACCESSIBLE BY LANDLORD ONLY (3) HINGES WALL/FLOOR STOP	 I.D. OPENING TO HAVE RELOCATED HISTORIC FRAME/TRIM. SEE EXISTING PLANS FOR PREVIOUS LOCATION AND NEW WORK PLANS FOR NEW LOCATION. I.E. NEW OPERABLE DOOR IN HISTORIC OPENING. I.F. HISTORIC POCKET DOORS TO BE RESTORED TO ORIGINAL FUNCTION AND OPERATION.
NEW COMM	ON RESIDENTIAL DOORS		2. EXISTING TRANSOM TO BE INFILLED BEHIND WITH GYP. BD. TO MAINTAIN FIRE RATING. SEE DETAILS ON A6.02.
HI0	DOOR FROM STAIR/CORRIDOR TO EXTERIOR	EGRESS LOCKSET W/ ELECTRONIC ACCESS CONTROL OUTSIDE ALWAYS LOCKED, INSIDE ALWAYS UNLOCKED LEVER HANDLES ELECTRONIC ACCESS CONTROL (INTERCOM OR KEY FOB) ELECTRIC STRIKE I LOCKSET I-1/2 PAIR HINGES (I) CLOSER WALL/FLOOR STOP WEATHER SEALS	 PROVIDE HOLD OPEN FOR THIS DOOR - SEE HARDWARE SCHEDULE. PROVIDE HINGES THAT ALLOW FOR EASY DOOR REMOVAL DURING LAUNDRY UNIT INSTALLATION & MAINTENANCE. DOOR TO BE UNDERCUT. SEE MECHANICAL DRAWINGS. DOOR(S) TO BE FIXED IN PLACE AND INOPERABLE. PROVIDE VIEW HOLE AT 48" A.F.F., CENTERED IN DOOR.
HIOAB	DOOR FROM STAIR/CORRIDOR TO ATTIC	STORAGE LOCKSET • RATED HARDWARE • OUTSIDE KEY LOCK, INSIDE ALWAYS UNLOCKED • (3) HINGES • (1) CLOSER • SMOKE SEAL • WALL/FLOOR STOP	 8. TIME DELAY FOR ELECTRIC STRIKE TRIGGERED BY INTERCOM OR KEY FOB AT EXTERIOR ENTRY. 9. GATE TO BE PART OF SPECIFIED FENCE SYSTEM. SEE PLANS FOR KEYNOTE WITH B.O.D.
NEW PRIVAT	TE RESIDENTIAL DOORS		
HROI	residential unit entry door	ENTRY LOCKSET RATED HARDWARE LOCKSET VV THUMB TURN DEADBOLT. (3) HINGES (1) SPRING CLOSER WIDE ANGLE VIEWER WALL/FLOOR STOP SMOKE SEAL	GENERAL NOTES
HR02	TYPICAL BEDROOM AND BATHROOM	• DOOR SWEEP • RUBBER THRESHOLD (LOW PROFILE) PRIVACY LOCKSET • (1) LOCKSET • (3) HINGES	THIS IS A HISTORIC TAX CREDIT PROJECT WITH SENSITIVE HISTORIC MATERIALS INCLUDING DOORS & TRIM. DO NOT REMOVE ANY HISTORIC DOORS OR TRIM UNLESS INDICATED IN THESE DRAWINGS & IN THE SHPO NARRATIVE.
HR03	DOOR TO MECHANICAL CLOSET	WALL/FLOOR STOP WOOD "T" THRESHOLD STORAGE LOCKSET OUTSIDE KEY LOCK, INSIDE ALWAYS UNLOCKED ACCESSIBLE BY LANDLORD ONLY (3) HINGES WALL/FLOOR STOP	DOOR FRAMES A. FURNISH AND INSTALL ALL DOOR FRAMES AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH FINAL SHOP DRAWINGS AND MANUFACTURER'S DATA AND INSTRUCTIONS. B. SUBMIT SHOP DRAWINGS FOR FABRICATION AND INSTALLATION OF FRAMES. INCLUDE
HR04	SINGLE DOOR TO CLOSET/STORAGE/LAUNDRY	WOOD "T" THRESHOLD PASSAGE LOCKSET (3) HINGES WALL/FLOOR STOP	DETAILS OF EACH FRAME TYPE, CONDITIONS AT OPENINGS, DETAILS OF CONSTRUCTION LOCATION, AND INSTALLATION REQUIREMENTS OF FINISH HARDWARE AND REINFORCEMENTS, AND DETAILS OF JOINTS AND CONNECTIONS. SHOW ANCHORAGE AND ACCESSORY ITEMS. PROVIDE SCHEDULE OF FRAMES USING SAME REFERENCE FOR
HR04A	DOUBLE <u>SWINGING</u> DOOR TO CLOSET/STORAGE	CLOSET PULLS • DUMMY LEVER HANDLES • BALL CATCHES • 3 PAIR HINGES	DETAILS AND OPENINGS AS THOSE ON CONTRACT DRAWINGS. C. NEW FRAMES SHALL HAVE UL LABELS TO MATCH RATING NOTED IN DOOR SCHEDULE. D. SET AND BRACE ALL DOOR FRAMES. FRAMES SHALL BE PREPARED FOR HARDWARE PER TEMPLATES FURNISHED BY HARDWARE SUPPLIER.
. ALL HARDW		OF EGRESS ALWAYS WITHOUT KNOWLEDGE, KEY OR TIGHT	E. COORDINATE LOCATIONS FOR OTHER TRADES TO BUILD IN THEIR WORK AS REQUIRED
E. ALL HARDW EXTERIOR H TO BE POWI E. ALL HARDW A. LOCKSETS COORDIN (ND SERIE FORMAT H	IINGES, KICK PLATES TO BE US32D, INTER DER COAT TO MATCH. VARE TO BE AS SPECIFIED OR APPROVED S ARE BASED ON BEST CYLINDRICAL GRA NATE KEYING REQUIREMENTS WITH OWI ES), SARGENT (10 LINE). KEY SYSTEM - PRO KEY SYSTEM), 5 MASTER KEYS, 3 CHANGE	NDE I (MORTISE LOCK FOR TOILETS WITH INDICATOR). NER. APPROVED MANUFACTURERS: BEST (9K3 SERIES), SCHLAGE VIDE MASTER SYSTEM (KEY INTO OWNER'S EXISTING SMALL	F. FURNISH AND INSTALL ALL DOORS AS SHOWN ON THE DRAWINGS AND IN ACCORDAN WITH FINAL SHOP DRAWINGS AND MANUFACTURER'S DATA AND INSTRUCTIONS. G. SUBMIT DOOR MANUFACTURER'S PRODUCT DATA SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR EACH TYPE OF DOOR. PROVIDE SCHEDULE OF DOORS USING SAME REFERENCE FOR DETAILS AND OPENINGS AS THOSE ON CONTRACT DRAWINGS. H. EXTERIOR DOORS TO BE INSULATED, WITH WEATHERSTRIPPING, AND PROVIDED WITH ACCESSIBLE THRESHOLD. ALL EXTERIOR STOREFRONT DOORS TO BE INSULATED,

6. COORDINATE ELECTRONIC ACCESS CONTROL REQUIREMENTS WITH OWNER

5. COORDINATE KEYING REQUIREMENTS WITH OWNER.

7. PROVIDE INTERCHANGEABLE CORES

A. HINGES.

A. HINGE SIZE, DOORS UP TO 3 FEET WIDE 4-1/2" X 4-1/2", DOORS WIDER THAN 3 FEET TO BE 5" X 4-1/2".

B. HINGE QUANTITY - 3 HINGES PER DOOR LEAF FOR DOORS UP TO 7'6". PROVIDE 4 HINGES FOR DOORS TALLER THAN 7'6".

DOOR NO.	LOCATION		DOOR				FRAME		HDW	REN	MARKS
		WIDTH	HEIGHT	TYPE	FINISH	TYPE	TRANSM	FINISH	ТҮРЕ	RATING	NOTES
FIRST FL	OOR										
100-1	ENTRY STAIR	EXG OPG - V.I.F.	EXG OPG - V.I.F.	DM7	PT	F2		PT	HI0		IE
100-2	BASEMENT	EXG OPG - V.I.F.	EXG OPG - V.I.F.	DMI	PT	F2		PT	H06	90 MIN	4
101-1	COMMERCIAL ENTRY	EXG OPG - V.I.F.	EXG OPG - V.I.F.	DA2	FF	SF	SF	FF	H02		
101-2	RESTROOM	3'-0"	7'-0"	DWI	PT	F4		PT	H05		
101-3	REAR ENTRY	EXG OPG - V.I.F.	EXG OPG - V.I.F.	DM8	PT	F2	TRI	PT	H02		7
SECOND	FLOOR	•									
201-1	UNIT ENTRY	2'-8"	7'-0"	DMI	PT	F3		PT	HR01	90 MIN	
201-2	LAUNDRY	EXG	EXG	EXG	PT	FI		PT	HOI		4
201-3	CLOSET	2'-0"	7'-0"	DWI	PT	F3		PT	HR04		
201-4	BEDROOM	EXG	EXG	EXG	PT	FI		PT	H0I		
201-5	CLOSET	4'-0"	7'-0"	DWI	PT	F3		PT	HR04A		
201-6	BATHROOM	2'-6"	7'-0"	DWI	PT	F3		PT	HR02		5
THIRD F	LOOR										
300-I	ATTIC ACCESS	EXG	EXG	EXG	PT	FI		PT	HI0AB		IA
301-1	UNIT ENTRY	EXG OPG - V.I.F.	EXG OPG - V.I.F.	DMI	PT	FI	TR4	PT	HR01	90 MIN	IE, 2
301-2	BATHROOM	2'-6"	7'-0"	DWI	PT	F3		PT	HR02		5
301-3	MECHANICAL	2'-2"	7'-0"	DWI	PT	F3		PT	HR04		4
301-4	CLOSET	4'-4"	7'-0"	DWI	PT	F3		PT	HR04A		
302-1	UNIT ENTRY	EXG OPG - V.I.F.	EXG OPG - V.I.F.	DMI	PT	FI	TR4	PT	HR01	90 MIN	IE, 2
302-2	MECHANICAL	EXG	EXG	EXG	PT	FI		PT	HR04		IA, IC
302-3	LAUNDRY	EXG	EXG	EXG	PT	FI		PT	HR04		IC, ID, 4
302-4	CLOSET	EXG	EXG	EXG	PT	FI		PT	HR04		IC, ID
302-5	BATHROOM	EXG	EXG	EXG	PT	FI		PT	HR04		IA, 5
ATTIC		T		1		Т	1				
401-1	ATTIC ENTRY	3'-0"	6'-8"	DMI	PT	F2		PT	HI0AB	90 MIN	
402-I	ATTIC ENTRY	3'-0"	6'-8"	DMI	PT	F2		PT	HI0AB	90 MIN	

2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2 Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM

Job No: 22042 08/30/2024

THRESHOLD.

I. GLAZING IN DOOR LITES AND SIDE LITES SHALL BE CLEAR TEMPERED GLASS, 1/4" THICKNESS, UNLESS OTHERWISE NOTED. WIRED GLASS, IS NOT ALLOWED. GLASS FRAMES IN DOORS

SHALL HAVE FLUSH STOPS.

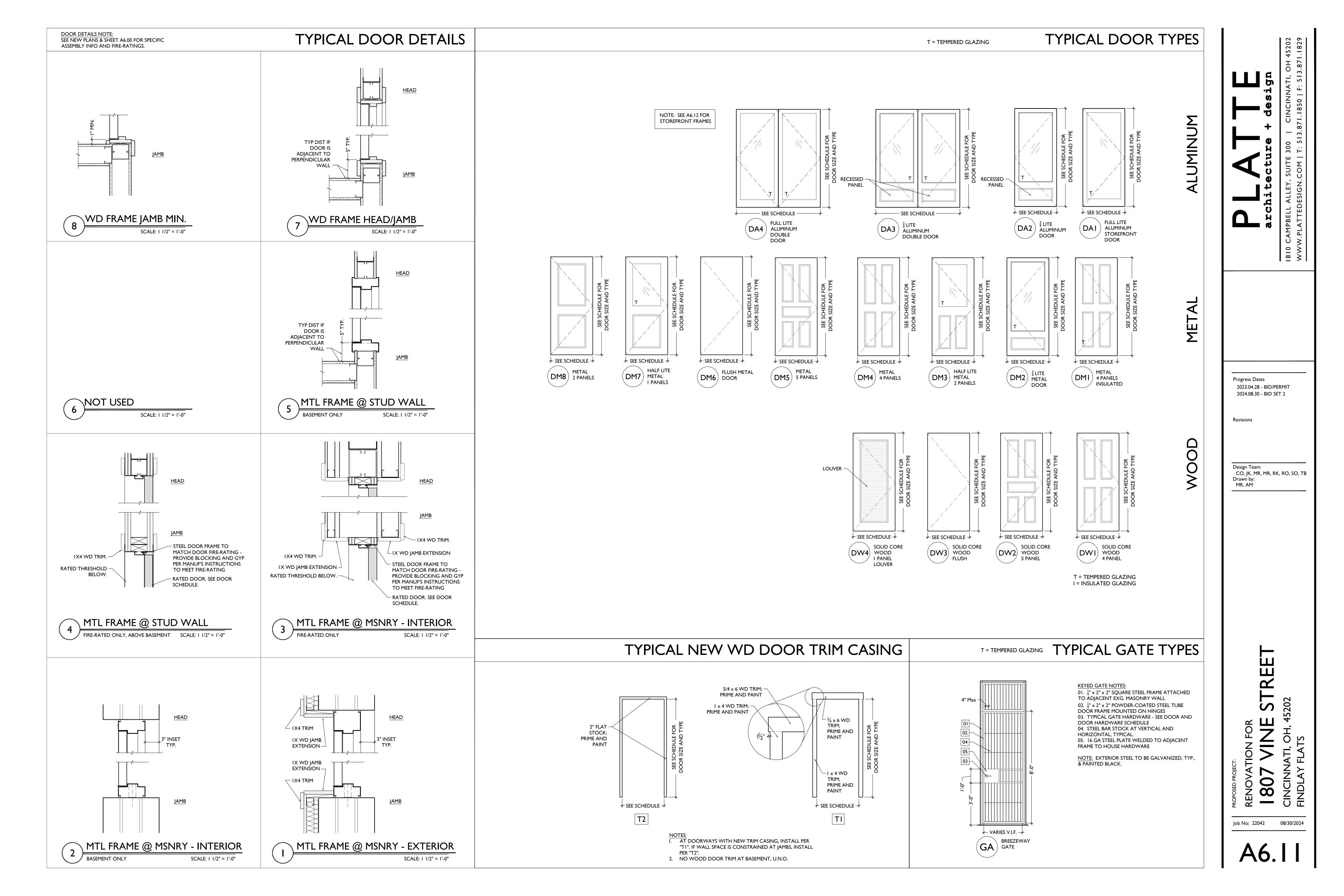
J. SEE DOOR SCHEDULE FOR REQUIRED FIRE RATINGS.

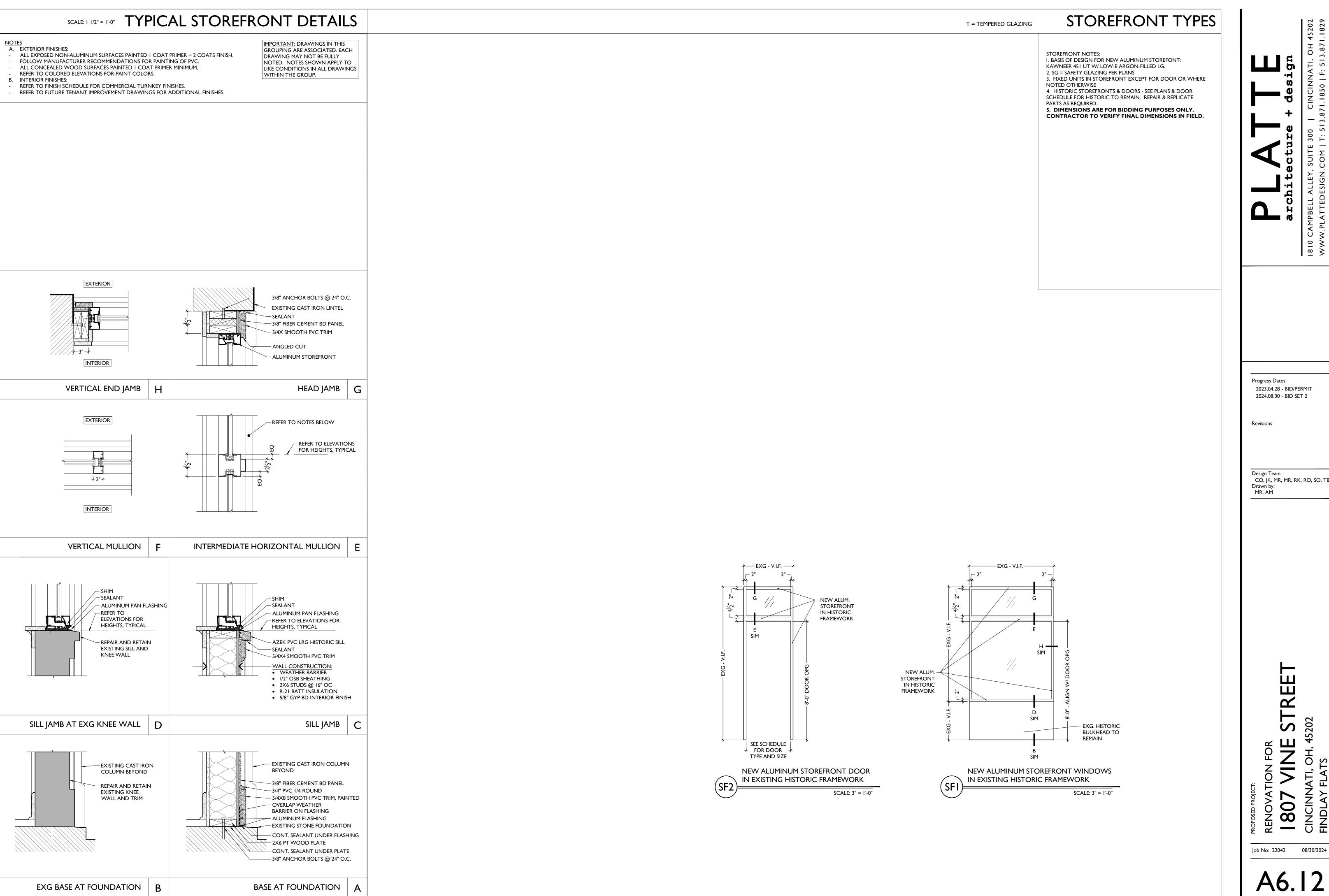
K. FIT DOORS TO FRAMES WITH MINIMUM UNIFORM CLEARANCES AND BEVELS. DOORS SHALL BE PREPARED FOR HARDWARE AS REQUIRED BY HARDWARE SCHEDULE. SEAL DOOR EDGE SURFACES AFFECTED BY FITTING AND MACHINING. PROVIDE DOOR CLEARANCES SO THAT DOOR MAY FREELY MOVE ABOVE FINISH FLOOR MATERIAL.

L. VERIFY SIZE OF ALL EXISTING DOORS AND DOOR OPENINGS IN FIELD. WHERE HISTORIC DOORS ARE BEING RELOCATED, VERIFY DOOR FITS IN NEW LOCATION. IF DOOR DOES NOT FIT, CONTACT ARCHITECT.

M. ALL MECHANICAL CLOSETS ARE TO BE LOCKED AT ALL TIMES WITH MECHANICAL ACCESS BY LANDLORD ONLY. CLOSET SHALL BE USED FOR MECHANICAL/WATER HEATING EQUIPMENT ONLY. NO STORAGE OF ANY KIND IS TO BE PERMITTED WITHIN.

DOOR SCHEDULE

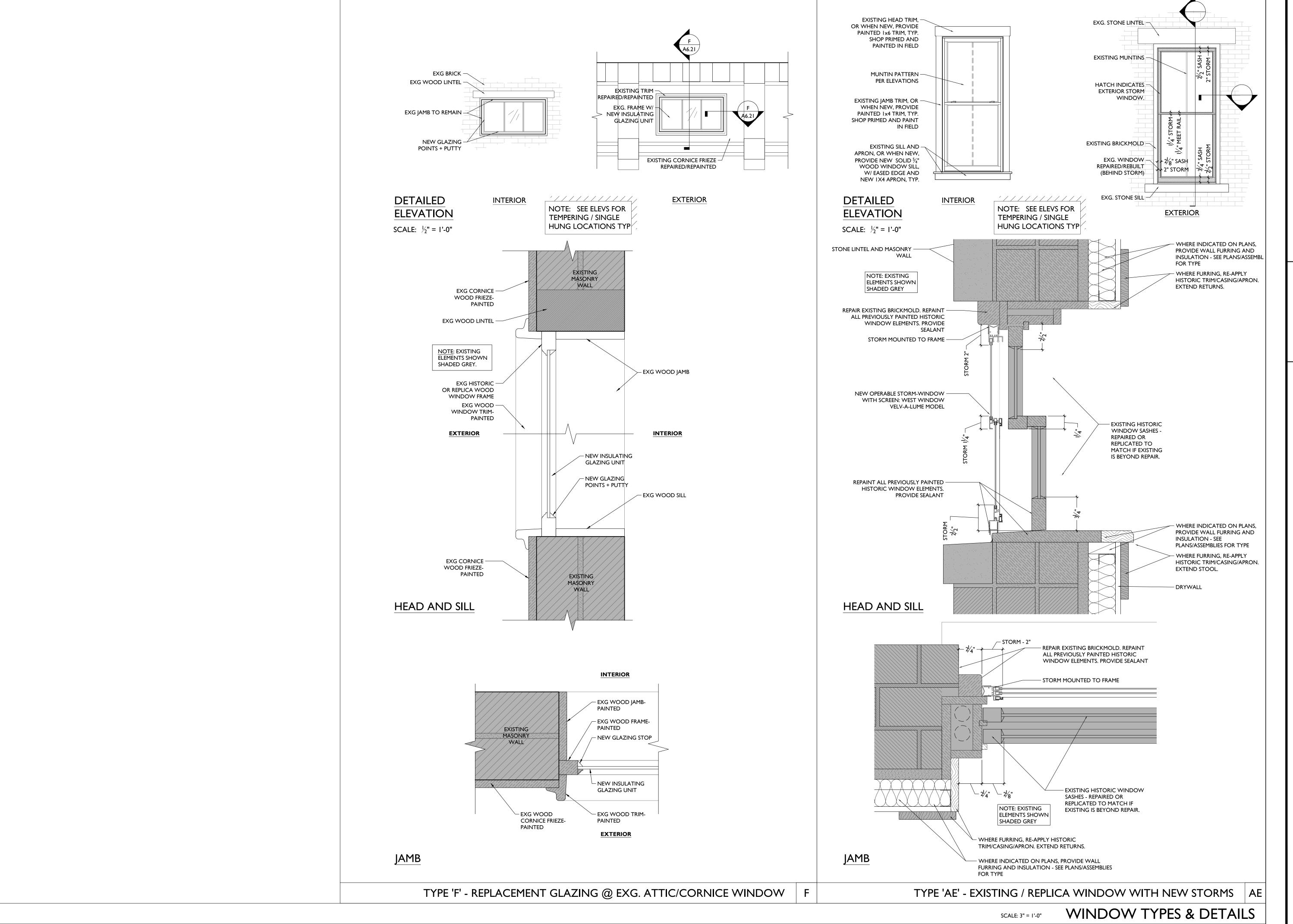




2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2

Design Team: CO, JK, MR, MR, RK, RO, SO, TB

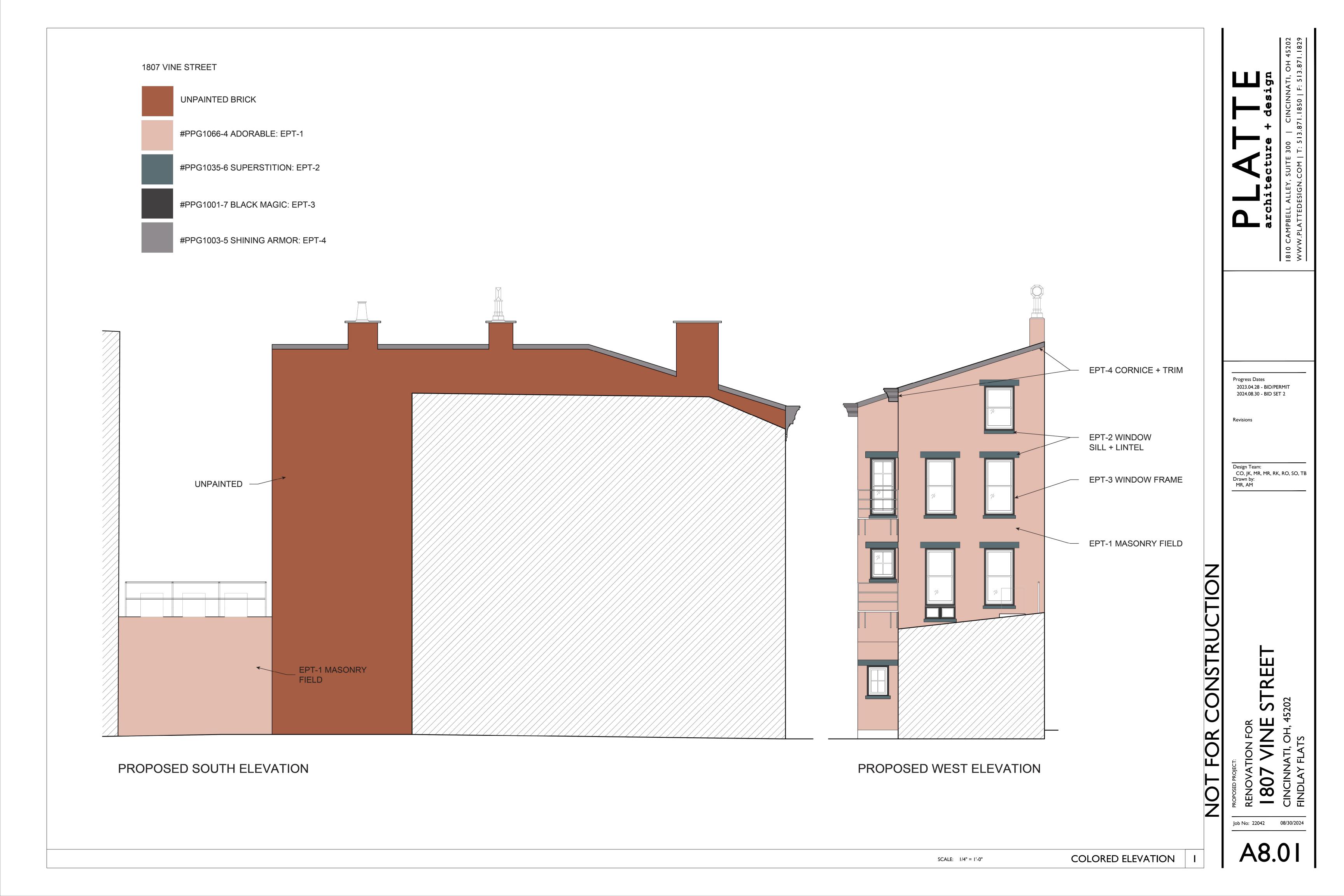
REET



Progress Dates 2023.04.28 - BID/PERMIT 2024.08.30 - BID SET 2 Revisions Design Team: CO, JK, MR, MR, RK, RO, SO, TB Drawn by: MR, AM REET

ENOVATIC 807 \





GENERAL STRUCTURAL NOTES

COPIES OF PUBLICATIONS REFERENCED IN THESE GENERAL STRUCTURAL NOTES ARE AVAILABLE FOR REVIEW AT ADVANTAGE GROUP ENGINEERS, INC. CONTRACTORS UNFAMILIAR WITH THESE PUBLICATIONS MUST REVIEW THEM PRIOR TO CONSTRUCTION.

GOVERNING CODE

OHIO BUILDING CODE – 2017, BASED ON 2015 IBC

CLASSIFICATION OF THE BUILDING STRUCTURE: RISK CATEGORY II, TABLE 1604.5

<u>DESIGN LOADS</u>

- 1. ROOF LOAD:
- A. MINIMUM LIVE LOAD OR SNOW LOAD: 20 PSF* B. DEAD LOAD = 20 PSF IN ADDITION TO STRUCTURE SELF WEIGHT

*MINIMUM LIVE / SNOW LOAD GOVERNED BY MINIMUM SNOW LOAD, $P_m = I_s * P_g$

2. SNOW LOAD:

- A. GROUND SNOW LOAD, $P_g = 20$ PSF.
- B. FLAT ROOF SNOW LOAD, Pf = 14 PSF MODIFIED BY APPLICABLE
- BUILDING COEFFICIENTS.
- C. MINIMUM ROOF SNOW LOAD, $P_m = 20 \text{ PSF}$.
- D. SNOW LOAD IMPORTANCE FACTOR, $I_s = 1.0$
- SNOW EXPOSURE FACTOR, C_e = 1.0 F. THERMAL FACTOR, $C_t = 1.0$
- G. COORDINATE ROOF FRAMING WITH FINAL SELECTION OF ROOF SUPPORTED MECHANICAL EQUIPMENT AND ASSOCIATED OPENINGS. ITEMS TO BE COORDINATED INCLUDE SIZE, LOCATION, TOTAL WEIGHT, WEIGHT DISTRIBUTION, AND SUPPORT FRAME REQUIREMENTS.

3. FLOOR LOAD:

- A. LIVE LOAD: 100 PSF B. LIVE LOAD = 40 PSF AT RESIDENTIAL
- C. DEAD LOAD ALLOWANCE: 20 PSF IN ADDITION TO STRUCTURE SELF

4. WIND LOAD:

- A. MAIN WIND FORCE RESISTING SYSTEM: 115 MPH PER ASCE 7-10 (3-SECOND GUST - LOAD AND RESISTANCE FACTOR DESIGN).
- B. WIND EXPOSURE: B C. BASIC WIND VELOCITY PRESSURE, q_h= 19.21 PSF (LRFD), 11.526 PSF
- D. INTERNAL GUST PRESSURE COEFFICIENT, GCp = 0.18 (ENCLOSED BUILDING).

5. SPECIAL LOADS:

- A. INTERIOR FINISH: 5 PSF HORIZONTAL LOAD.
- B. HANDRAILS: 200 POUND CONCENTRATED LOAD AT ANY POINT, IN ANY DIRECTION, OR 50 PLF UNIFORM LOAD IN ANY DIRECTION.
- a. TOP RAIL: 200 POUNDS CONCENTRATED AT ANY POINT IN ANY DIRECTION, OR 50 PLF UNIFORM LOAD IN ANY DIRECTION. b. IN-FILL AREAS: 50 POUNDS APPLIED OVER A 1 SQUARE FOOT AREA.

SPECIAL INSPECTIONS

PER THE REQUIREMENTS OF CHAPTER 17 SECTION 1704.1 OF THE REFERENCED BUILDING CODE, A SPECIAL INSPECTION IS REQUIRED FOR THE PROPOSED BUILDING CONSTRUCTION. SPECIAL INSPECTION INVOLVES THE VERIFICATION OF COMPLIANCE OF MATERIALS, INSTALLATION, FABRICATION, ERECTION AND OR PLACEMENT OF COMPONENTS WITH THE OFFICIAL SET OF CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. SPECIAL INSPECTION IS PART OF THE PERMIT APPLICATION PROCESS FUNDED BY THE OWNER OR THE OWNER'S AGENT.

A STATEMENT OF SPECIAL INSPECTION LISTING THE REQUIREMENTS ALONG WITH A SCHEDULE OF TESTING, SUBMITTAL REVIEWS, AND FIELD OBSERVATION REQUIREMENTS HAS BEEN PREPARED BY THE STRUCTURAL ENGINEER OF RECORD IN ACCORDANCE WITH SECTION 106.1 OF THE BUILDING CODE. THIS STATEMENT INCLUDES A COMPLETE LIST OF MATERIAL AND ACTIVITY REQUIRING INSPECTION. IT IS THE RESPONSIBILITY OF ALL PARTIES TO BECOME FAMILIAR WITH THIS REQUIREMENT AND UNDERSTAND THE GUIDELINES AND REQUIREMENTS OF EACH PARTY INVOLVED WITH THE CONSTRUCTION, A COPY OF THE STATEMENT OF SPECIAL INSPECTION IS AVAILABLE UPON REQUEST. THE SPECIAL INSPECTOR COORDINATOR SHALL COORDINATE WITH THE OWNER. CONTRACTOR AND THE DESIGN PROFESSIONALS AND SCHEDULE THE INSPECTIONS ACCORDINGLY.

MATERIALS UTILIZED BUT NOT LISTED IN THE STATEMENT OF SPECIAL INSPECTOR ARE EITHER CONSIDERED WORK OF MINOR NATURE OR ITEMS THAT ARE ASSUMED WILL BE INSPECTED BY THE BUILDING INSPECTOR. SPECIAL INSPECTIONS CAN BE ADDED TO THIS PROJECT AT THE REQUEST OF THE BUILDING DEPARTMENT. BUILDING DEPARTMENT, PLEASE IDENTIFY SPECIFIC MATERIALS THAT WILL REQUIRE SPECIAL INSPECTIONS.

SUBSTITUTIONS, SUBMITTALS, AND RFI'S

REJECTED WITHOUT REVIEW.

- 1. CONTRACTOR SHALL SUBMIT ALL SUBSTITUTIONS FOR APPROVAL PRIOR TO CONSTRUCTION WITH THE FOLLOWING INFORMATION:
- A. THE SCOPE, EXTENT, AND ALL LOCATIONS AFFECTED BY THE

D. COST SAVINGS AND/OR IMPACT ON THE SCHEDULE

- PROPOSED SUBSTITUTION. B. SPECIFIC DRAWING OR SPECIFICATION REFERENCES FOR THE ORIGINAL PRODUCT OR SYSTEM SPECIFIED. C. THE REASON FOR THE PROPOSED CHANGE.
- IMPACT ON ANY GUARANTEES OR WARRANTIES ASSOCIATED WITH THE PRODUCT OR SYSTEM.
- F. COORDINATION REQUIRED WITH OTHER TRADES OR ADJACENT MATERIALS.
- G. ANY AND ALL DEVIATIONS FROM THE SPECIFIED REQUIREMENTS.
- 2. SHOP DRAWING SUBMITTALS SHALL BE SUBMITTED BY THE GENERAL CONTRACTOR IN A TIMELY MANNER TO PROVIDE AN ADEQUATE AMOUNT
- OF TIME FOR REVIEW. A. ALL SUBMITTALS MUST BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING FOR REVIEW. ANY SHOP DRAWINGS RECEIVED
- B. REVIEW BY STRUCTURAL ENGINEER OF RECORD WILL BE FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND CONFORMANCE WITH THE DESIGN CONCEPT. THIS REVIEW DOES NOT IN ANYWAY RELIEVE THE CONTRACTOR AND/OR THE CONTRACTOR'S SUBCONTRACTORS FROM RESPONSIBILITY FOR ERRORS OR DEVIATIONS FROM THE CONTRACT REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS, PROPER FIT, QUALITIES OF THE

DO NOT BEAR THE STAMP OF THE GENERAL CONTRACTOR AS WELL AS

CLEAR EVIDENCE THAT THE SUBMITTAL HAS BEEN REVIEWED WILL BE

MATERIALS, AND COORDINATION WITH OTHER TRADES AND SUPPLIERS. C. IF CHANGES ARE MADE TO A PREVIOUSLY REVIEWED SUBMITTAL, DENOTE ALL REVISED AREAS WITH REVISION CLOUD AND TAGS.

D. STRUCTURAL SUBMITTAL REQUIREMENTS:

Submittal/Shop Drawing	Submittal	Calculations	PE/SE Seal & Signature
Concrete Mix – Conforming to ACI 318	For Review	N/a	N/a
Structural Steel	For Review	N/a	N/a
Miscellaneous Steel	For Record	Required	Required

For Review denotes the contractor must submit to the design team for review. The contractor shall not fabricate or install until all design team comments have been resolved in writing

- For Record denotes the contractor must submit to the design team for record. The contractor's engineer is responsible for all loading and coordination of loads to be resisted by the building's structural elements. Any load resisted by the building's structural elements must be approved by the EOR. N/a denotes not applicable.

- 3. REQUESTS FOR INFORMATION (RFI'S) SHALL BE SUBMITTED IN A TIMELY MANNER WHEN INFORMATION IS MISSING FROM THE CONSTRUCTION DOCUMENTS, INFORMATION IS CONFLICTING WITHIN THE CONSTRUCTION DOCUMENTS, OR IS AMBIGUOUS.
 - A. THE CONTRACTOR MUST USE DUE DILIGENCE IN ATTEMPTING TO FIND ANY ANSWER PRIOR TO SUBMITTING AN RFI.
 - B. IF THE INFORMATION REQUESTED IN AN RFI IS APPARENT FROM FIELD OBSERVATION, IS CONTAINED IN THE CONSTRUCTION DOCUMENTS, OR IS REASONABLY INFERABLE FROM THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR ALL REASONABLE COSTS CHARGED RELATED TO ADDITIONAL SERVICES INCURRED DUE TO ANSWERING THE RFI.

CONSTRUCTION AND SAFETY

- 1. THE CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
- 2. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR.
- 3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.
- 4. THE CONTRACTOR SHALL ONLY USE STRUCTURAL PLANS ISSUED AS "FOR CONSTRUCTION" OR ISSUES THEREAFTER. PRIOR ISSUES SHALL ONLY BE USED FOR PERMITTING OR BIDDING PURPOSES.
- 5. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. SHOULD ANY DISCREPANCY BE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF THE CONDITION.
- 6. THE CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED DURING DEMOLITION AND CONSTRUCTION TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
- 7. THE CONTRACTOR SHALL VERIFY ALL INFORMATION IN THESE DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE OWNER AND ENGINEER BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEPARTURES FROM THESE PLANS
- 8. THE CONTRACTOR 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 STABILIZE AND SHALL INFORM THE ENGINEER/OWNER IMMEDIATELY.
- 9. IT IS UP TO THE CONTRACTOR 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 ENGINEER/ OWNER, OR MAY BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.

MISCELLANEOUS STRUCTURAL NOTES

- 1. THESE STRUCTURAL DRAWINGS DEPICT A STRUCTURAL SYSTEM AND THE MAJOR COMPONENTS OF THAT SYSTEM. MINOR ITEMS, INCLUDING BUT NOT LIMITED TO, POURSTOPS, DECK SUPPORT ANGLES, FRAMES AT FLOOR AND ROOF DECK OPENINGS, CFS AT ARCHITECTURAL FEATURES, ETC. SHALL BE SUPPLIED BY THE CONTRACTOR AS NEEDED TO PROVIDE A COMPLETE SYSTEM.
- 2. WHERE DETAILS ARE CALLED FOR IN ONE AREA OF THE BUILDING, THEY SHALL BE DUPLICATED AT SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
- 3. STRUCTURAL AND ARCHITECTURAL PLANS SHOW DIMENSIONS AND **ELEVATIONS TO SIGNIFICANT WORKING POINTS. CONTRACTORS** DETAILERS AND SUPPLIERS ARE RESPONSIBLE FOR THE DETERMINATION OF ALL DIMENSIONS, PITCHES, ELEVATIONS, ETC. BEYOND THOSE NOTED AS NECESSARY TO THOROUGHLY DETAIL/FABRICATE THEIR WORK. CONTACT ARCHITECT WITH ANY DISCREPANCIES FOUND.

FOUNDATIONS

- 1. SOIL CONDITIONS:
- A. PER THE CLIENT'S REQUEST, THE FOUNDATION DESIGN AND GENERAL FOUNDATION NOTES ARE BASED ON THE ASSUMPTION OF FAVORABLE SOIL CONDITIONS.
- 2. THE BOTTOM OF FOUNDATION ELEVATION INDICATED ARE FOR BIDDING PURPOSES AND MAY BE LOWERED TO SUIT SUB-SURFACE SOIL CONDITION. BEARING STRATA SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. PROVIDE ENGINEERED FILL OR FLOWABLE FILL CONCRETE (500 PSI) UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS.
- 3. 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 1500 PSF BELOW STRIP FOOTINGS AND 1500 PSF BELOW ISOLATED COLUMN FOOTINGS.
- 4. CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.

5. COMPACTION:

- A. ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL
- B. ENGINEERED FILL BENEATH FOOTINGS: MINIMUM COMPACTION 98% STANDARD PROCTOR DENSITY AT THE OPTIMUM MOISTURE CONTENT.
- 6. FINISHED GRADE SHALL SLOPE AWAY FROM THE PERIMETER FOUNDATION.

CONCRETE

- 1. CONCRETE WORK AND TESTING SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS BELOW. REPORTS FROM TESTS REQUIRED BY SECTION 1.6 OF ACI 301 SHALL BE SUBMITTED TO STRUCTURAL ENGINEER, ARCHITECT, OWNER, CONTRACTOR, CONCRETE SUPPLIER, AND BUILDING OFFICIAL
- CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306.1 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R "COLD WEATHER CONCRETING".
- 3. CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305R "HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND VELOCITY SHALL BE ENTERED INTO THE NOMOGRAPH OF THIS REFERENCE TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE
- 4. CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR EACH TYPE OF CONCRETE TO THE STRUCTURAL ENGINEER FOR APPROVAL IN ACCORDANCE WITH ACI 301 SECTION 4.2.3.4 FIELD TEST DATA OR TRIAL MIXTURES.
- 5. SUBMIT SHOP DRAWINGS OF REINFORCING STEEL
- 6. MATERIALS (ALSO SEE CONCRETE MIX SCHEDULE):
- A. REINFORCING STEEL: ASTM A615 OR ASTM 996 (AXLE ONLY) 60 KSI YIELD DEFORMED BARS AND ASTM A1064 MESH, FLAT SHEETS ONLY.
- B. FLY ASH: ASTM C618, TYPE F OR C. FLY ASH-TO-TOTAL CEMENTITIOUS RATIO SHALL NOT EXCEED 25% MAXIMUM C. GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989. TOTAL GROUND GRANULATED BLAST FURNACE SLAG-TO-TOTAL
- CEMENTITIOUS RATIO SHALL NOT EXCEED 50% MAXIMUM. D. HIGH RANGE WATER REDUCER (HRWR) ADMIXTURE: ASTM C494 E. CHLORIDE CONTENT OF CONCRETE: LIMIT TOTAL CHLORIDE ION CONTENT TO AMOUNT INDICATED IN TABLE 4.2.2.6 OF ACI 318. ADMIXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN

REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.

7. CONCRETE MIX SCHEDULE:

Application	f' _c @ 28 days (psi)	Air Content ¹	Max w/c ratio ²	Max Agg. Size ¹ (in)	F Class	S Class	W Class	C Class
Footings	3000	N/a	0.55	3/4	F0	S0	W0	C0
Interior Floor Slab on Grade	4000	N/a	0.5	3/4	F0	S0	W0	C0
Exterior Flatwork (Plain Concrete)	4500	6% ± 1.5%	0.45	3/4	F3	S0	W1	C1

- SLUMP SHALL BE MEASURED PRIOR TO THE ADDITION OF HRWR.
- 9. LAP SPLICE REINFORCING BARS 48 BAR DIAMETERS UNLESS NOTED
- 10. BAR CLEARANCES BETWEEN ADJACENT BARS AND FORMWORK SHALL BE AS NOTED ON THE DRAWINGS OR A MINIMUM AS PER ACI REQUIREMENTS.

EXPANSION AND EPOXY ADHESIVE ANCHORS

- EXPANSION ANCHORS:
- A. EXPANSION ANCHORS SHALL BE MANUFACTURED BY THE HILTI COMPANY AND SHALL BE THE TYPE, SIZE, AND EMBEDMENT INDICATED ON THE DRAWINGS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED; SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.
- 2. EPOXY ADHESIVE ANCHORS:
- B. EPOXY ADHESIVE SHALL BE MANUFACTURED BY THE HILTI COMPANY AND SHALL BE THE TYPE, SIZE, AND EMBEDMENT INDICATED ON THE DRAWINGS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED; SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.
- A. THREADED RODS SHALL BE ASTM A36. SIZES AND EMBEDMENT AS INDICATED ON THE DRAWINGS.
- B. CONDUCT JOB-SITE TRAINING OF ALL CONTRACTOR'S PERSONNEL INSTALLING THIS PRODUCT FOR SAFE AND PROPER INSTALLATION, HANDLING, AND STORAGE OF THE EPOXY SYSTEM.

MASONRY WALL REPAIR

- 1. EXTERIOR MASONRY AND STONE IS TO BE REPAIRED, REPLACED, AND CLEANED AS NEEDED. CONTRACTOR SHALL PERFORM AN OBSERVATION OF ALL WALLS AND EXISTING LINTELS TO DETERMINE DAMAGED AREAS THAT REQUIRE REPAIR.
- 2. REPAIR DAMAGED JOINTS IN MASONRY WHERE MORTAR IS SOFT, DAMAGED, OR MISSING. CUT OUT JOINTS TO A DEPTH OF 2X THE WIDTH OF THE JOINT OR UNTIL SOUND MORTAR. REMOVE DUST AND LOOSE MATERIAL BY HAND BRUSHING. MORTAR TO MATCH EXISTING IN COMPOSITION, COLOR, TOOLING, PROFILE AND HARDNESS.
- REPLACE MISSING, ERODED, SPALLED OR CRACKED MASONRY UNITS. CUT OUT UNITS, INCLUDING ENTIRE MORTAR JOINT AROUND MASONRY UNIT. REMOVE UNITS BY HAND USING CARE SO AS NOT TO DAMAGE ADJACENT MASONRY. TURN EXISTING BRICKS AROUND AND/OR USE SALVAGED BRICK IF POSSIBLE BUILD-IN NEW MASONRY AND JOINTS TO MATCH EXISTING. ALIGN WITH EXISTING JOINTS AND COURSING TRUE AND LEVEL, FACES PLUMB AND IN-LINE. INSTALL ANY ANCHORS, FLASHING, OR REINFORCEMENTS AS NECESSARY, ALL NEW WORK SHALL MATCH THAT OF THE SURROUNDING MASONRY.
- 4. REMOVE CRACKED, DAMAGED AND SEVERELY SPALLED STONE LINTELS AND SILLS WITH CARE IN A MANNER TO PREVENT DAMAGE TO ADJACENT REMAINING MATERIALS. BUILD-IN NEW LINTELS AND SILLS. ALIGN WITH EXISTING JOINTS AND COURSING TRUE AND LEVEL, FACES PLUMB AND IN-LINE. INSTALL ANY ANCHORAGES, FLASHINGS, OR REINFORCEMENTS AS NECESSARY. WHERE APPLICABLE, NEW LINTELS AND SILLS TO BE PRECAST CONCRETE TO MATCH EXISTING IN COLOR AND TEXTURE. THE CONTRACTOR SHALL PROVIDE SAMPLES FOR APPROVAL PRIOR TO ORDERING MATERIAL. ALL STONE REPLACEMENT WORK WILL BE DONE WITHOUT DAMAGE, TO MATCH THE EXISTING HISTORIC STONE AND MASONRY.

- 5. NEW MASONRY CONSTRUCTION FOR WALLS NEEDING TO BE ENTIRELY REBUILT SHALL BE CONSISTED OF AN EXTERIOR WYTHE OF SIMILAR BRICK MATERIAL OF THE ERA. COMPOSITE CONSTRUCTION WITH AN INNER 4" WYTHE OR 8" WYTHE OF CONCRETE MASONRY, TO MATCH EXISTING WALL WIDTH. INTER-CONNECT W/ 9 GAUGE LADDER TYPE JOINT REINFORCING (GALVANIZED) @ 8" O.C. GROUT ALL COLLAR JOINTS SOLID WITH NO VOIDS.
- SPIRA-LOK TIES ARE MANUFACTURED BY HOHMANN & BARNARD SHALL BE 8MM, 304 STAINLESS STEEL. INSTALL IN MORTAR JOINTS, LENGTH AS NEEDED SO END OF TIE WITH WITHIN 1" OF EXTERIOR AND INTERIOR FACE OF MASONRY. WHERE TIE IS INSTALLED INTO INTERIOR WOOD FRAMING, PENETRATE WOOD A MINIMUM OF 3". ALTERNATES WILL BE CONSIDERED UPON SUBMITTING MANUFACTURER INFORMATION.

- MATERIALS:
- A. FRAMING LUMBER:
- a. 2x8 AND LARGER: NO.1 GRADE OR BETTER SOUTHERN PINE KILN
- b. 2x4: STUD GRADE OR BETTER SPRUCE PINE FIR KILN DRIED.
- c. 2x6: NO.2 GRADE OR BETTER SPRUCE PINE FIR KILN DRIED. d. ACQ-C (ALT CA-B OR SBX-DOT) PRESSURE TREAT PIECES IN CONTACT WITH FOUNDATION OR EXPOSED TO WEATHER.
- 2. SHEATHING AND SUBFLOORING:
- A. 48/24 APA RATED TONGUE AND GROOVE SUBFLOOR EXPOSURE 1. B. 32/16 APA RATED ROOF SHEATHING EXPOSURE 1.
- C. 24/16 APA RATED STRUCTURAL WALL SHEATHING EXPOSURE 1. D. ALL SHEATHING TO BE NAILED WITH 8d NAILS AT 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE.
- E. ROOF AND WALL SHEATHING SHALL BE SPACED A MINIMUM 1/8" AT PANEL EDGES AND ENDS OF SHEETS. USE APPROPRIATE PLYWOOD CLIPS AS RECOMMENDED BY THE APA.
- F. ALL PLYWOOD SUBFLOORING SHALL BE GLUED AND NAILED.
- 3. NAIL SIZES AS CALLED OUT IN THE STRUCTURAL DRAWINGS AND FOR SIMPSON CONNECTORS ARE LISTED BELOW. NAIL GUN NAILS SHALL MEET DIAMETER AND LENGTH OF NAILS LISTED BELOW, OR ELSE NAILS SHALL BE DRIVEN WITH A HAMMER.
- A. 6d NAILS ARE 0.120"Ø x 1¾" LONG (MIN 3/8" HEAD)
- B. 8d NAILS ARE 0.131"Ø x 2½" LONG
- C. 10d NAILS ARE 0.148"Ø x 3" LONG D. 16d NAILS ARE 0.162"Ø x 3½" LONG
- 4. SIMPSON HANGERS:
- A. ALWAYS USE THE NAIL OR FASTENER AS SPECIFIED BY SIMPSON,
- INCLUDING THE CORRECT DIAMETER AND LENGTH. B. WHEN FASTENING TO A SINGLE PLY 1½" OR 1¾" MEMBER, 1½" FLANGE NAILS ARE ACCEPTABLE. USE FULL LENGTH NAILS FOR DIAGONAL NAILS OF DOUBLE SHEAR HANGERS.
- 5. ADHESIVE FOR PLYWOOD SUBFLOORING SHALL CONFORM TO PERFORMANCE SPECIFICATION AFG-01 DEVELOPED BY APA.
- UNLESS NOTED OTHERWISE, CONNECTORS SHALL BE MADE PER TABLE 2304.10.1, "RECOMMENDED FASTENING SCHEDULE", IN REFERENCED BUILDING CODE. STAPLES NOT PERMITTED FOR FASTENING APA RATED SHEATHING AND SUBFLOORING.
- 7. ALL PLYWOOD SUBFLOORING SHALL BE GLUED AND NAILED.
- 8. ALL CONNECTION HARDWARE SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY AND SHALL BE FASTENED AS SPECIFIED IN THE SIMPSON PRODUCT AND INSTRUCTION MANUAL.

STRUCTURAL STEEL

- 1. ALL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS FOR "DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION.
- 2. NO OPENING OR HOLE SHALL BE PLACED IN ANY STRUCTURAL MEMBER (OTHER THAT WHAT IS INDICATED ON THE DRAWINGS) UNLESS THE LOCATION HAS BEEN APPROVED IN WRITING BY THE STRUCTURAL
- ALL FLOOR OR ROOF BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP.
- 4. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS D1.1).

MATERIALS:

- A. ROLLED WIDE FLANGE SHAPES UNLESS NOTED: ASTM A992 DUAL
- GRADE, $F_v = 50$ KSL B. ROLLED SHAPES AND PLATES UNLESS NOTED: ASTM A36.
- C. TUBULAR SHAPES: ASTM A500 GRADE C.
- D. PIPE SHAPES: ASTM A53, TYPES E OR S GRADE B. E. BOLTS: ASTM A325-N, 3/4" DIAMETER UNLESS NOTED F. ANCHOR RODS: ASTM F1554 GRADE 36 KSI MATERIAL FULLY THREADED RODS HAVING A NUT TACK WELDED IN PLACE ON BOTTOM. MINIMUM
- EMBEDMENT AS NOTED ON THE DRAWINGS G. FIELD WELDS: AWS E70XX, LOW HYDROGEN ELECTRODES. H. NON-SHRINK NON-METALLIC GROUT: CRD-C-621 AND ASTM C1107 FOR
- INTERIOR AND EXTERIOR APPLICATIONS. 6. PAINT AND PROTECTION:
- A. STRUCTURAL STEEL UNLESS NOTED: FABRICATOR'S STANDARD PRIME COAT. TOUCH UP AFTER ERECTION.
- B. MEMBERS TO BE ENCASED IN CONCRETE, MEMBERS TO RECEIVE SPRAY-ON FIREPROOFING AND THE TOP FLANGES OF BEAMS TO RECEIVE COMPOSITE SHEAR CONNECTORS SHALL HAVE NO PAINT. COORDINATE ALL FIREPROOFING REQUIREMENT WITH THE PROJECT SPECIFICATIONS AND ARCHITECTURAL DRAWINGS.
- C. PROVIDE MINIMUM 3" CONCRETE COVER FOR ALL STEEL BELOW
- D. LINTELS SUPPORTING EXTERIOR MASONRY WYTHES AND MEMBERS EXPOSED TO WEATHER IN FINISHED STRUCTURES: HOT DIP GALVANIZE PER ASTM A123 AFTER FABRICATION. COATING WEIGHT PER PARAGRAPH 5.1 OF ASTM A123 AND A153. FABRICATE ASSEMBLIES PER ASTM A143, A384, AND A385. TOUCH UP AFTER ERECTION WITH ORGANIC ZINC RICH PAINT COMPLYING WITH DOP-P-21035 OR MIL-P-
- 7. CONTRACTOR SHALL SUBMIT ERECTION AND SHOP DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO FABRICATION. ANY DEVIATIONS FROM THE ORIGINAL DESIGN INTENT SHALL BE APPROVED PRIOR TO SUBMITTING ANY SHOP SUBMITTALS. SUCH DRAWINGS WILL BE REJECTED.

26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 8 MILS.



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Design Team: KCJ / SJ

Date: 02/17/2023

Proj. No.:

22146.20 Drawing No.

STRUCTURAL INFORMATION NOTED IS BASED ON ASSUMPTIONS OF CONDITION OF EXISTING FRAMING & FRAMING HIDDEN FROM VISUAL OBSERVATION. DETAILS OF PROPOSED FRAMING MODIFICATION/REPAIRS ARE SUBJECT TO CHANGE ONCE DEMOLITION IS UNDERWAY



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PROJECT KEYNOTES:

- INFILL EX OPENING WITH SOLID CMU OR HOLLOW CMU, GROUTED SOLID, TO MATCH WALL THICKNESS ABOVE. GROUT/MORTAR TIGHT TO EX STONE FOUNDATION WALLS AND MASONRY ABOVE. REMOVE EX WOOD LINTELS, CUT EX JOISTS BACK, AND BEAR JOISTS
- EX OPENING WITH SOLID CMU OR HOLLOW CMU, GROUTED SOLID, TO MATCH WALL THICKNESS ABOVE. GROUT/MORTAR TIGHT TO EX STONE FOUNDATION WALLS AND MASONRY ABOVE. REMOVE EX WOOD LINTELS.
- REMOVE LOOSE SOIL AT BASE AND FILL VOID WITH 250 PSI CDF.
- NEW 4" CONCRETE SLAB.

-NEW CONC FOOTING

NEW PE WOOD STAIR-

_ADJACENT

BUILDING

- NEW 1'-0" THICK x 2'-6"x2-'6" CONCRETE FOOTING.
- REMOVE EXISTING MASONRY WALL. PROVIDE NEW MASONRY WALL CONSISTING OF 4" (2) 4"x8" PRECAST LINTELS w/ #4 TOP AND BOTTOM, EXTERIOR LINTEL CAST STONE TO
- INFILL EXISTING OPENING WITH NEW SOLID CMU AT INNER WYTHES, 4" CMU FOR (2)
- EXTERIOR BRICK, APPEARANCE TO MATCH EXISTING. REMOVE INTERIOR WOOD LINTELS AND SILLS, CMU AND BRICK TO BE MORTARED TIGHT TO EXISTIGN MASONRY WALL (4) SIDES. REMOVE EXISTING WOOD JAMB BLOCKS AND TOOTH INFILL MASONRY INTO EXISTING MASONRY ALONG VERTICAL EDGES.
- PROVIDE END SISTER, BEARING ON MASONRY WALL, PER TYPICAL JOIST END SISTER
- NEW 2x12" SISTER, BEAR NORTH END ON MASONRY WALL. SOUTH END SHALL BE WITHIN 4" OF WALL w/ (4) ¼"x3-1/2" SWS AT SOUTH END. FASTEN ALONG LENGTH w/ (2) ¼"x3-1/2" SWS @ 24" o.c.
- NEW 2x6 WALL w/ 2x6 STUDS AT 16" o.c. @ OPENINGS PROVIDE (2) 2x8 HEADER w/ (1) (18) BEARING STUD AND (2) FULL HEIGHT STUDS. PROVIDE APA RATED SHEATHING AT
- 2x4 STUD WALL w/ 2x4 STUDS AT 16" o.c. PROVIDE APA RATED SHEATING TO THE INSIDE
- REMOVE EXISTING STEEL LINTEL. PROVIDE NEW (2) W8x13 LINTELS w/ 8" MIN BEARING
- NEW 1 3/4"X11-7/8" LVL SISTER, BEAR EACH END. CONNECT SISTER w/ (6) 1/4"x3 1/4" SWS AT
- REMOVE EXISTING DOUBLE AND PROVIDE NEW (2) 1 3/4"x11 7/8" LVL HEADER w/ (2) HHUS410 HANGER EACH END. HANG EXISTING JOISTS TO HEADER w/ LUS28R-18 HANGERS. RECONNECT EXISTING STRINGERS WITH ORIGINAL CONNECTION. PROVIDE
- PROVIDE 2x10 SISTER AND ANCHOR SISTER AND JOIST TO WALL w/ 3/8" SLEEVE ANCHORS, 2" MIN EMBEDMENT, AT 32" o.c.
 - EXISTING FIRE ESCAPE EVALUATION NOT IN SCOPE. EXISTING BRACKET THRU WALL TIES ARE CORRODED AND SHALL BE REPAIRED PRIOR INTERIOR FINISHES. HAVE FIRE ESCAPE
- REMOVE FLOOR FRAMING AND SHEATHING. PROVIDE NEW 1 3/4"x9 1/2" LVL @ 16" o.c. AND NEW APA RATED SHEATHING.
- NEW 1 3/4"x9 1/2" LVL SISTER, BEAR ON NORTH END, SOUTH END SHALL BE 4" MIN FROM
- REMOVE AND REPLACE SOFT/DETERIORATED INTERIOR WYTHE BRICK, TUCK POINT AS NEEDED. KEEP HEADER COURSES. WHERE HEADER COURSES ARE DAMAGED, PROVIDE SPIRALOK TIES AT 8" o.c. HORIZONTAL SPACING, TOP AND BOTTOM OF HEADER COURSE.
- NEW 1 ¾"x7 ¼" LVL SISTER AT EX HEADER, HANG EACH END w/ ML26Z . CUT EX JOISTS
- NEW (2) 1 3/4"x9 1/4" LVL HEADER. POCKET INTO MASONRY WALL AND PROVIDE (2) (34) CRIPPLE STUDS AT WALL. CUT STUDS ABOVE AND NAIL TO TOP OF HEADER WITH (3)
- REMOVE EXISTING LANDING. PROVIDE NEW 1 3/4"x7 1/4" LVL JOISTS @ 12"o.c. WITH 35 SIMPSON ML28Z ANGLE OR HU7 HANGER. PROVIDE NEW (2) 1 3/4"X7 1/4" LVL HEADER, CONNECT STAIR STRINGERS TO HEADER WITH ML28Z ANGLES.
- √ 36

 NEW W8x24 BEAM WITH 3 1/2" POCKET INTO BRICK.
- NEW (2) 2x12 HEADER HUNG TO WF BEAM WITH SIMPSON WP212-2 HANGER. HANG JOIST
- NEW 1 3/4"x7 1/4" LVL SISTER. MITER AND BEAR ON WALL PLATE. CONNECT TO HIP BEAM WITH LSSJ28LZ.
- REMOVE EXISTING FLOOR. PROVIDE NEW 2x12 JOISTS, POCKET INTO EXISTING JOIST 40 POCKETS, 2" MIN BEARING. FIRE CUT JOISTS AS NEEDED WITH A MINIMUM DEPTH OF 5 1/2" REMAINING. PROVIDE NEW APA RATED SHEATHING.

- REMOVE DEBRIS FROM EXTERIOR WINDOW WELL OR STAIR. FILL WITH 250 PSI CONTROLLED DENSITY FILL (CDF). TOP WITH 4" CONCRETE SIDEWALK SLAB. PROVIDE NEW 1' THICK x 2' WIDE CONCRETE FOOTING BEARING ON NATIVE SOIL. INFILL
- \langle 4 \rangle (2) 2x12 HEADER w/ HUS210-2 HANGER EACH END AND 2x12 END JOIST WITH L70 EACH END.
- REPAIR MASONRY WALL.

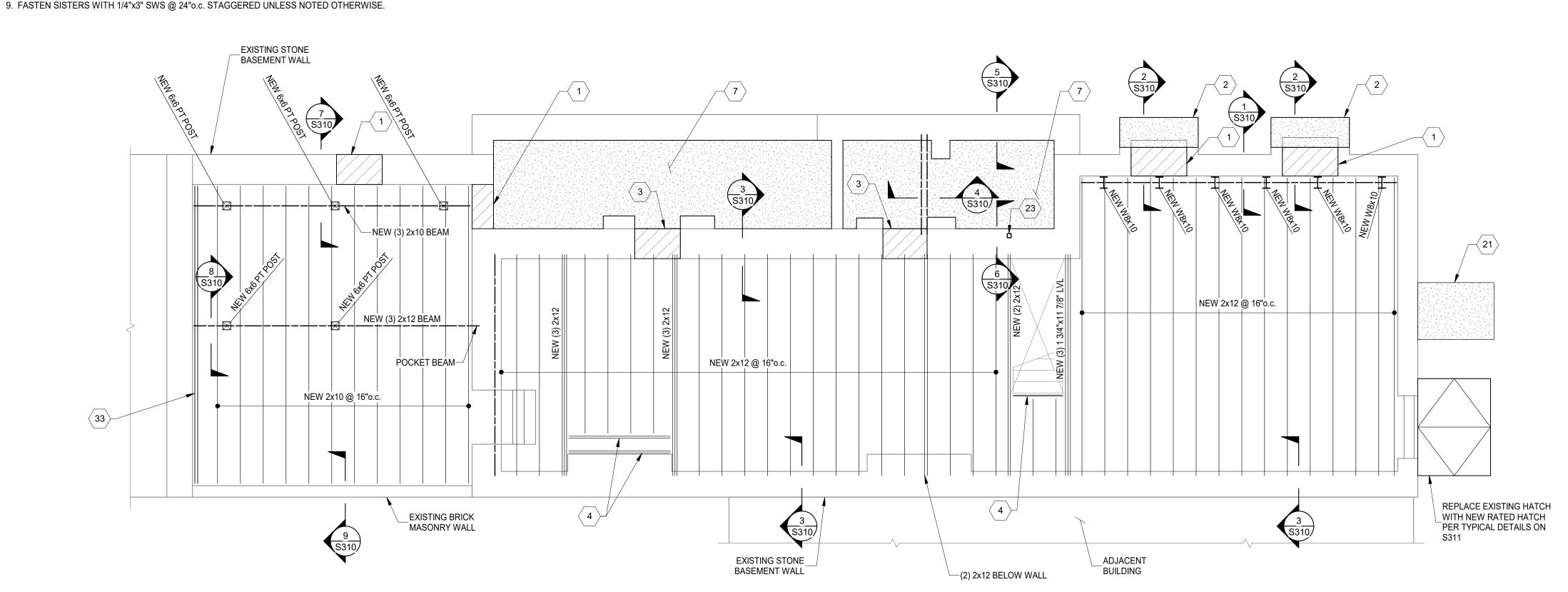
- BRICK AND 4" SOLID CMU, w/ HORIZONTAL REINFORCING AT 8" o.c. AT OPENINGS, PROVIDE
- ADHESIVE ANCHOR #4x12" LONG REBAR INTO EXISTING BRICK AT 16" o.c. w/ HILTI HIT-HY270 ADHESIVE, 16" SPACING, 4" MIN EMBEDMENT.
- REMOVE EXISTING ROTTED OR DAMAGED LINTELS AND REPLACED PER TYPICAL LINTEL
- WYTHE WALLS AND 8" CMU FOR (3) WYTHE WALLS. INFILL EXTERIOR WYTHE WITH
- REPAIR MASONRY JAMB. REMOVE ALL WOOD AND BROKEN MASONRY. REPLACE WITH (13) NEW MASONRY TO CREATE A SQUARE JAMB. TUCK POINT DETERIORATED MORTAR
- REMOVE EXISTING MASONRY HEARTH, REPLACE w/ NEW 2x JOISTS AT 16" o.c. MAX, DEPTH \langle 14 \rangle TO MATCH EXISTING. CONNECT TO EX BEAMS EACH END w/ SIMPSON L70 ANGLES OR

- NEW (2) 2x12 HEADER w/ HUS210-2 EACH END. HANG JOISTS TO HEADER WITH LUS210
- OUTSIDE FACE OF WALL.

- \langle 20 \rangle NEW STAR PLATE AND WALL TIE, SEE TYPICAL DETAILS.
- REMOVE EXISTING DEPRESSED SIDEWALK SLAB AND INVESTIGATE SOIL BELOW. REMOVE LOOSE SOIL AND FILL WITH 250 PSI CDF. REPLACE SIDEWALK WITH NEW 4" CONCRETE SLAB.
- 23 NEW HSS3x3x1/4" COLUMN.
- LOCATION, AND PER PLAN NOTES.
- 2x10 SISTERS IF NEEDED TO EXTEND EXISTING JOISTS.
- - EVALUATED AND REPAIRED PER CITY OF CINCINNATI FIRE ESCAPE INSPECTION REPORT
- NEW 1 3/4"x7 1/4" LVL SISTER, BEAR ON SOUTH WALL, NORTH END SHALL BE 4" MIN FROM WALL.
- NEW (2) 2x10 BEAM BELOW SHEAR WALL. FASTEN SHEAR WALL WITH (2) 0.148"x3.5" NAILS AT 16"o.c. PROVIDE (2) 2x4 STUDS EACH END AND STRAP TO BEAM WITH SIMPSON MSTI26.
- 0.131"x3" TOE NAILS.
- TO HEADER WITH WS210 HANGERS.
- REPLACE EXISTING CHIMNEY 4 FT BELOW ROOF LINE. GROUT EXISTING FLUES SOLID 24" \langle 39 \rangle BELOW NEW MASONRY. INTERIOR WYTHES AND CMU GROUTED SOLID. PROVIDE HORIZONTAL REINFORCING @ 8"o.c. AND #5 VERTICAL AT ENDS.

FOUNDATION PLAN

SCALE 1/4" = 1'-0"



4" CONCRETE SLAB ON 4" COMPACTED GRANULAR FILL

w/ W.W.F. 6x6xW2.9xW2.9 (42#) MESH CENTERED ON CHAIRS IN SLAB

T/SLAB EL=COORD w/ ARCH

1ST FLOOR FRAMING PLAN SCALE 1/4" = 1'-0"

STRUCTURAL INFORMATION NOTED IS BASED ON ASSUMPTIONS OF CONDITION OF EXISTING FRAMING & FRAMING HIDDEN FROM VISUAL OBSERVATION. DETAILS OF PROPOSED FRAMING MODIFICATION/REPAIRS ARE SUBJECT TO CHANGE ONCE DEMOLITION IS UNDERWAY

22146.20

2'-0"

1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.

SATURATED OR DETERIORATED JOISTS WITH NEW JOISTS OF THE SAME SIZE.

3. LUMBER AT 1ST FLOOR AND BASEMENT SHALL BE PRESSURE TREATED.

BOTTOM EACH 4" WYTHE, OR AN L4x3-1/2x5/16" LINTEL LLV, EACH WYTHE.

6. REPAIR AND TUCKPOINT INTERIOR MASONRY PER THE GENERAL NOTES.

5. SEE STRUCTURAL ELEVATION DRAWINGS FOR EXTERIOR BRICK REPAIR AND TUCKPOINTING.

2. REMOVE DAMAGED OR SATURATED SHEATHING AND REPLACE WITH NEW APA RATED SHEATHING. REPLACE DAMAGED,

4. WOOD LINTELS AT OPENINGS IN MASONRY WALLS WHERE ROTTED SHALL BE REPLACED WITH A STEEL HSS4x4x3/8 (GALVANIZED) LINTEL AT EACH 4" WYTHE. ALTERNATIVELY USE A 4"x8" PRECAST CONCRETE LINTEL WITH #5 TOP AND

7. FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ADVANTAGE GROUP ENGINEERS OF ANY DESCREPANCIES.

8. SWS = STRUCTURAL WOOD SCREW. ALLOWABLE SCREWS ARE 1/4" SIMPSON SDS, 1/4" SPAX POWERLAGS OR 1/4"

PLAN NOTES:

FASTEN MASTER LEDGER LOK.

6'-4"

4" CONCRETE SLAB ON

4" COMPACTED GRANULAR FILL w/ W.W.F. 6x6xW2.9xW2.9 (42#) MESH CENTERED ON CHAIRS IN SLAB

T/SLAB EL=COORD w/ ARCH

Design Team: KCJ / SJ

Date: 02/17/2023

Proj. No.: Drawing No.

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PROJECT KEYNOTES:

- THICKNESS ABOVE. GROUT/MORTAR TIGHT TO EX STONE FOUNDATION WALLS AND
- REMOVE DEBRIS FROM EXTERIOR WINDOW WELL OR STAIR. FILL WITH 250 PSI
- PROVIDE NEW 1' THICK x 2' WIDE CONCRETE FOOTING BEARING ON NATIVE SOIL. INFILL EX OPENING WITH SOLID CMU OR HOLLOW CMU, GROUTED SOLID, TO MATCH WALL THICKNESS ABOVE. GROUT/MORTAR TIGHT TO EX STONE FOUNDATION WALLS AND
- \langle 4 \rangle (2) 2x12 HEADER w/ HUS210-2 HANGER EACH END AND 2x12 END JOIST WITH L70 EACH END.
- REPAIR MASONRY WALL.
- NEW 1'-0" THICK x 2'-6"x2-'6" CONCRETE FOOTING.
- INFILL EXISTING OPENING WITH NEW SOLID CMU AT INNER WYTHES, 4" CMU FOR (2) WYTHE WALLS AND 8" CMU FOR (3) WYTHE WALLS. INFILL EXTERIOR WYTHE WITH EXTERIOR BRICK, APPEARANCE TO MATCH EXISTING. REMOVE INTERIOR WOOD LINTELS AND SILLS, CMU AND BRICK TO BE MORTARED TIGHT TO EXISTIGN MASONRY WALL (4) SIDES. REMOVE EXISTING WOOD JAMB BLOCKS AND TOOTH INFILL MASONRY INTO
- REPAIR MASONRY JAMB. REMOVE ALL WOOD AND BROKEN MASONRY. REPLACE WITH NEW MASONRY TO CREATE A SQUARE JAMB. TUCK POINT DETERIORATED MORTAR JOINTS.
- √ 14

 → TO MATCH EXISTING. CONNECT TO EX BEAMS EACH END w/ SIMPSON L70 ANGLES OR

 → TO MATCH EXISTING. CONNECT TO EX BEAMS EACH END w/ SIMPSON L70 ANGLES OR

 → TO MATCH EXISTING. CONNECT TO EX BEAMS EACH END w/ SIMPSON L70 ANGLES OR

 → TO MATCH EXISTING.

 → TO MATCH EXISTING. CONNECT TO EX BEAMS EACH END w/ SIMPSON L70 ANGLES OR

 → TO MATCH EXISTING.

 → TO MATCH EXI
- PROVIDE END SISTER, BEARING ON MASONRY WALL, PER TYPICAL JOIST END SISTER
- 4" OF WALL w/ (4) 1/4"x3-1/2" SWS AT SOUTH END. FASTEN ALONG LENGTH w/ (2) 1/4"x3-1/2" SWS @ 24" o.c.
- NEW (2) 2x12 HEADER w/ HUS210-2 EACH END. HANG JOISTS TO HEADER WITH LUS210
- 2x4 STUD WALL w/ 2x4 STUDS AT 16" o.c. PROVIDE APA RATED SHEATING TO THE INSIDE
- \langle 20 angle NEW STAR PLATE AND WALL TIE, SEE TYPICAL DETAILS.
- REMOVE EXISTING DEPRESSED SIDEWALK SLAB AND INVESTIGATE SOIL BELOW. REMOVE

- ⟨ 23 ⟩ NEW HSS3x3x1/4" COLUMN.
- REMOVE EXISTING DOUBLE AND PROVIDE NEW (2) 1 3/4"x11 7/8" LVL HEADER w/ (2) HHUS410 HANGER EACH END. HANG EXISTING JOISTS TO HEADER w/ LUS28R-18 HANGERS. RECONNECT EXISTING STRINGERS WITH ORIGINAL CONNECTION. PROVIDE
- PROVIDE 2x10 SISTER AND ANCHOR SISTER AND JOIST TO WALL w/ 3/8" SLEEVE ANCHORS, 2" MIN EMBEDMENT, AT 32" o.c.
- EXISTING FIRE ESCAPE EVALUATION NOT IN SCOPE. EXISTING BRACKET THRU WALL TIES ARE CORRODED AND SHALL BE REPAIRED PRIOR INTERIOR FINISHES. HAVE FIRE ESCAPE EVALUATED AND REPAIRED PER CITY OF CINCINNATI FIRE ESCAPE INSPECTION REPORT
- REMOVE FLOOR FRAMING AND SHEATHING. PROVIDE NEW 1 1/4"x9 1/2" LVL @ 16" o.c. AND
- NEW 1 ¾"x9 ½" LVL SISTER, BEAR ON NORTH END, SOUTH END SHALL BE 4" MIN FROM

REMOVE AND REPLACE SOFT/DETERIORATED INTERIOR WYTHE BRICK, TUCK POINT AS NEEDED. KEEP HEADER COURSES. WHERE HEADER COURSES ARE DAMAGED, PROVIDE

- SPIRALOK TIES AT 8" o.c. HORIZONTAL SPACING, TOP AND BOTTOM OF HEADER COURSE. NEW 1 3/4"x7 1/4" LVL SISTER, BEAR ON SOUTH WALL, NORTH END SHALL BE 4" MIN FROM WALL
- AND HANG TO HEADER w/ LUS26R-18 HANGERS.
- AT 16"o.c. PROVIDE (2) 2x4 STUDS EACH END AND STRAP TO BEAM WITH SIMPSON MSTI26. NEW (2) 1 3/4"x9 1/4" LVL HEADER. POCKET INTO MASONRY WALL AND PROVIDE (2)
- REMOVE EXISTING LANDING. PROVIDE NEW 1 3/4"x7 1/4" LVL JOISTS @ 12"o.c. WITH 🔇 35 🔪 SIMPSON ML28Z ANGLE OR HU7 HANGER. PROVIDE NEW (2) 1 3/4"X7 1/4" LVL HEADER,
- TO HEADER WITH WS210 HANGERS. NEW 1 3/4"x7 1/4" LVL SISTER. MITER AND BEAR ON WALL PLATE. CONNECT TO HIP BEAM
- REMOVE EXISTING FLOOR. PROVIDE NEW 2x12 JOISTS, POCKET INTO EXISTING JOIST POCKETS, 2" MIN BEARING. FIRE CUT JOISTS AS NEEDED WITH A MINIMUM DEPTH OF 5 1/2" REMAINING. PROVIDE NEW APA RATED SHEATHING.

- INFILL EX OPENING WITH SOLID CMU OR HOLLOW CMU, GROUTED SOLID, TO MATCH WALL MASONRY ABOVE. REMOVE EX WOOD LINTELS, CUT EX JOISTS BACK, AND BEAR JOISTS
- CONTROLLED DENSITY FILL (CDF). TOP WITH 4" CONCRETE SIDEWALK SLAB.
- MASONRY ABOVE. REMOVE EX WOOD LINTELS.

- REMOVE LOOSE SOIL AT BASE AND FILL VOID WITH 250 PSI CDF.
- NEW 4" CONCRETE SLAB.
- REMOVE EXISTING MASONRY WALL. PROVIDE NEW MASONRY WALL CONSISTING OF 4" BRICK AND 4" SOLID CMU, w/ HORIZONTAL REINFORCING AT 8" o.c. AT OPENINGS, PROVIDE (2) 4"x8" PRECAST LINTELS w/ #4 TOP AND BOTTOM, EXTERIOR LINTEL CAST STONE TO
- ADHESIVE ANCHOR #4x12" LONG REBAR INTO EXISTING BRICK AT 16" o.c. w/ HILTI HIT-HY270 ADHESIVE, 16" SPACING, 4" MIN EMBEDMENT.
- REMOVE EXISTING ROTTED OR DAMAGED LINTELS AND REPLACED PER TYPICAL LINTEL
- EXISTING MASONRY ALONG VERTICAL EDGES.
- REMOVE EXISTING MASONRY HEARTH, REPLACE w/ NEW 2x JOISTS AT 16" o.c. MAX, DEPTH
- NEW 2x12" SISTER, BEAR NORTH END ON MASONRY WALL. SOUTH END SHALL BE WITHIN
- NEW 2x6 WALL w/ 2x6 STUDS AT 16" o.c. @ OPENINGS PROVIDE (2) 2x8 HEADER w/ (1) (18) BEARING STUD AND (2) FULL HEIGHT STUDS. PROVIDE APA RATED SHEATHING AT

- LOOSE SOIL AND FILL WITH 250 PSI CDF. REPLACE SIDEWALK WITH NEW 4" CONCRETE SLAB. REMOVE EXISTING STEEL LINTEL. PROVIDE NEW (2) W8x13 LINTELS w/ 8" MIN BEARING
- NEW 1 3/4"X11-7/8" LVL SISTER, BEAR EACH END. CONNECT SISTER W/ (6) 1/4"x3 1/4" SWS AT LOCATION, AND PER PLAN NOTES.
- 2x10 SISTERS IF NEEDED TO EXTEND EXISTING JOISTS.
- NEW APA RATED SHEATHING.
- NEW 1 $\frac{3}{4}$ "x7 $\frac{1}{4}$ " LVL SISTER AT EX HEADER, HANG EACH END w/ ML26Z . CUT EX JOISTS NEW (2) 2x10 BEAM BELOW SHEAR WALL. FASTEN SHEAR WALL WITH (2) 0.148"x3.5" NAILS
- CRIPPLE STUDS AT WALL. CUT STUDS ABOVE AND NAIL TO TOP OF HEADER WITH (3)
- CONNECT STAIR STRINGERS TO HEADER WITH ML28Z ANGLES.
- ⟨ 36 ⟩ NEW W8x24 BEAM WITH 3 1/2" POCKET INTO BRICK.
- NEW (2) 2x12 HEADER HUNG TO WF BEAM WITH SIMPSON WP212-2 HANGER. HANG JOIST
- REPLACE EXISTING CHIMNEY 4 FT BELOW ROOF LINE. GROUT EXISTING FLUES SOLID 24" BELOW NEW MASONRY. INTERIOR WYTHES AND CMU GROUTED SOLID. PROVIDE HORIZONTAL REINFORCING @ 8"o.c. AND #5 VERTICAL AT ENDS.



GUARDRAIL PER DETAIL

-NEW 1 3/4"x11 1/4" @ 16"o.c.

ON S320

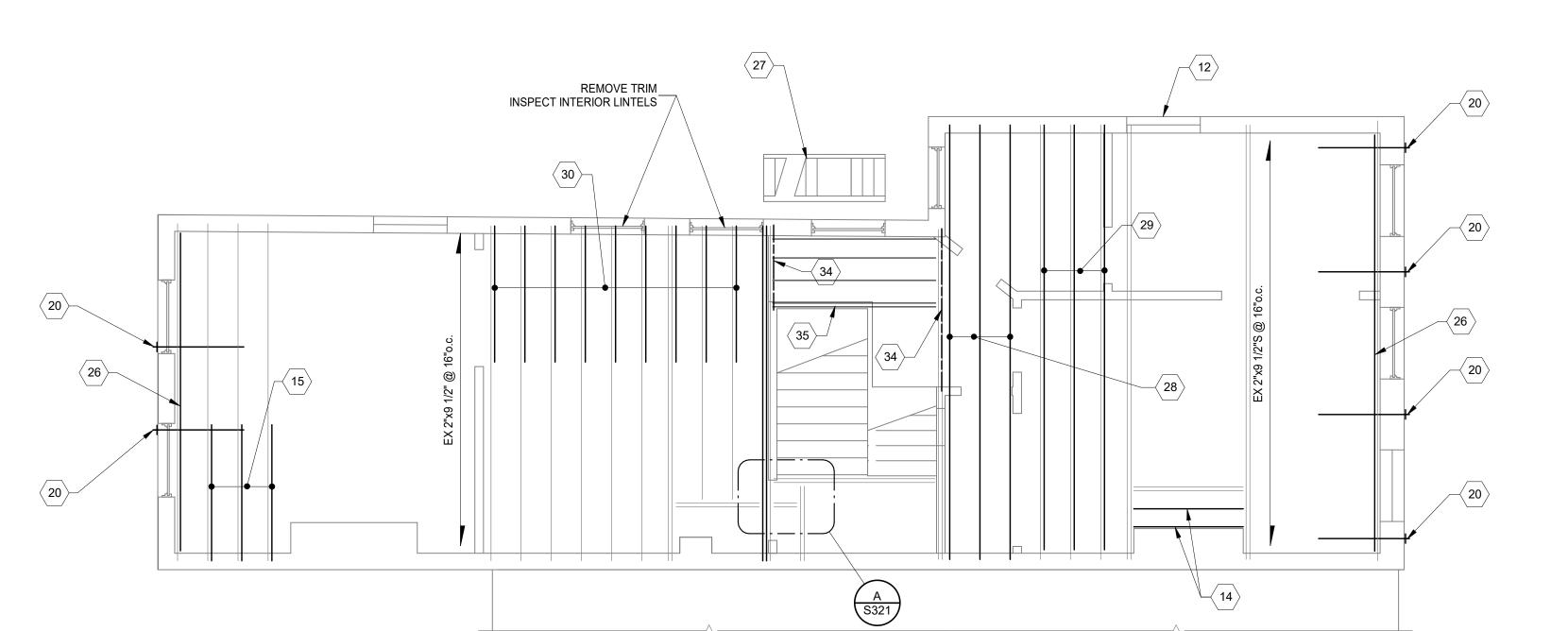
_GUARDRAIL PER DETAIL

@ 16"o.c.

@ 16"o.c.

COORD w/ ARCH COORD S320

OPENING COORD w/ ARCH



PLAN NOTES:

NEW 2x8's @ 16"o.c.-

 \langle 15 angle

1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.

5. SEE STRUCTURAL ELEVATION DRAWINGS FOR EXTERIOR BRICK REPAIR AND TUCKPOINTING.

9. FASTEN SISTERS WITH 1/4"x3" SWS @ 24"o.c. STAGGERED UNLESS NOTED OTHERWISE.

SATURATED OR DETERIORATED JOISTS WITH NEW JOISTS OF THE SAME SIZE.

3. LUMBER AT 1ST FLOOR AND BASEMENT SHALL BE PRESSURE TREATED.

BOTTOM EACH 4" WYTHE, OR AN L4x3-1/2x5/16" LINTEL LLV, EACH WYTHE.

6. REPAIR AND TUCKPOINT INTERIOR MASONRY PER THE GENERAL NOTES.

2. REMOVE DAMAGED OR SATURATED SHEATHING AND REPLACE WITH NEW APA RATED SHEATHING. REPLACE DAMAGED,

4. WOOD LINTELS AT OPENINGS IN MASONRY WALLS WHERE ROTTED SHALL BE REPLACED WITH A STEEL HSS4x4x3/8 (GALVANIZED) LINTEL AT EACH 4" WYTHE. ALTERNATIVELY USE A 4"x8" PRECAST CONCRETE LINTEL WITH #5 TOP AND

7. FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ADVANTAGE GROUP ENGINEERS OF ANY DESCREPANCIES.

8. SWS = STRUCTURAL WOOD SCREW. ALLOWABLE SCREWS ARE 1/4" SIMPSON SDS, 1/4" SPAX POWERLAGS OR 1/4"



STRUCTURAL INFORMATION NOTED IS BASED ON ASSUMPTIONS OF CONDITION OF EXISTING FRAMING & FRAMING HIDDEN FROM VISUAL OBSERVATION. DETAILS OF PROPOSED FRAMING MODIFICATION/REPAIRS ARE SUBJECT TO CHANGE ONCE DEMOLITION IS UNDERWAY

Design Team: KCJ / SJ

Date: 02/17/2023

JENKINS

Proj. No.: 22146.20 Drawing No.

advantage STRUCTURAL ENGINEERS 1527 Madison Road

513 396 8900 www.advantageSE.com

PROJECT KEYNOTES:

- INFILL EX OPENING WITH SOLID CMU OR HOLLOW CMU, GROUTED SOLID, TO MATCH WALL THICKNESS ABOVE. GROUT/MORTAR TIGHT TO EX STONE FOUNDATION WALLS AND MASONRY ABOVE. REMOVE EX WOOD LINTELS, CUT EX JOISTS BACK, AND BEAR JOISTS
- PROVIDE NEW 1' THICK x 2' WIDE CONCRETE FOOTING BEARING ON NATIVE SOIL. INFILL EX OPENING WITH SOLID CMU OR HOLLOW CMU, GROUTED SOLID, TO MATCH WALL THICKNESS ABOVE. GROUT/MORTAR TIGHT TO EX STONE FOUNDATION WALLS AND
- 4 > (2) 2x12 HEADER w/ HUS210-2 HANGER EACH END AND 2x12 END JOIST WITH L70 EACH END.

- REMOVE EXISTING MASONRY WALL. PROVIDE NEW MASONRY WALL CONSISTING OF 4" BRICK AND 4" SOLID CMU, w/ HORIZONTAL REINFORCING AT 8" o.c. AT OPENINGS, PROVIDE (2) 4"x8" PRECAST LINTELS w/ #4 TOP AND BOTTOM, EXTERIOR LINTEL CAST STONE TO
- ADHESIVE ANCHOR #4x12" LONG REBAR INTO EXISTING BRICK AT 16" o.c. w/ HILTI HIT-HY270 ADHESIVE, 16" SPACING, 4" MIN EMBEDMENT.
- INFILL EXISTING OPENING WITH NEW SOLID CMU AT INNER WYTHES, 4" CMU FOR (2) WYTHE WALLS AND 8" CMU FOR (3) WYTHE WALLS. INFILL EXTERIOR WYTHE WITH EXTERIOR BRICK, APPEARANCE TO MATCH EXISTING. REMOVE INTERIOR WOOD LINTELS AND SILLS, CMU AND BRICK TO BE MORTARED TIGHT TO EXISTIGN MASONRY WALL (4) SIDES. REMOVE EXISTING WOOD JAMB BLOCKS AND TOOTH INFILL MASONRY INTO EXISTING MASONRY ALONG VERTICAL EDGES.
- REPAIR MASONRY JAMB. REMOVE ALL WOOD AND BROKEN MASONRY. REPLACE WITH \langle 13 \rangle NEW MASONRY TO CREATE A SQUARE JAMB. TUCK POINT DETERIORATED MORTAR
- REMOVE EXISTING MASONRY HEARTH, REPLACE w/ NEW 2x JOISTS AT 16" o.c. MAX, DEPTH
- PROVIDE END SISTER, BEARING ON MASONRY WALL, PER TYPICAL JOIST END SISTER
- NEW 2x12" SISTER, BEAR NORTH END ON MASONRY WALL. SOUTH END SHALL BE WITHIN (16) 4" OF WALL w/ (4) 1/4"x3-1/2" SWS AT SOUTH END. FASTEN ALONG LENGTH w/ (2) 1/4"x3-1/2"
- NEW (2) 2x12 HEADER w/ HUS210-2 EACH END. HANG JOISTS TO HEADER WITH LUS210
- NEW 2x6 WALL w/ 2x6 STUDS AT 16" o.c. @ OPENINGS PROVIDE (2) 2x8 HEADER w/ (1) (18) BEARING STUD AND (2) FULL HEIGHT STUDS. PROVIDE APA RATED SHEATHING AT
- 2x4 STUD WALL w/ 2x4 STUDS AT 16" o.c. PROVIDE APA RATED SHEATING TO THE INSIDE
- NEW STAR PLATE AND WALL TIE, SEE TYPICAL DETAILS.
- REMOVE EXISTING DEPRESSED SIDEWALK SLAB AND INVESTIGATE SOIL BELOW. REMOVE
- REMOVE EXISTING STEEL LINTEL. PROVIDE NEW (2) W8x13 LINTELS w/ 8" MIN BEARING
- REMOVE EXISTING DOUBLE AND PROVIDE NEW (2) 1 3/4"x11 7/8" LVL HEADER w/ (2) HHUS410 HANGER EACH END. HANG EXISTING JOISTS TO HEADER w/ LUS28R-18
- 2x10 SISTERS IF NEEDED TO EXTEND EXISTING JOISTS. PROVIDE 2x10 SISTER AND ANCHOR SISTER AND JOIST TO WALL w/ 3/8" SLEEVE ANCHORS,
- EXISTING FIRE ESCAPE EVALUATION NOT IN SCOPE. EXISTING BRACKET THRU WALL TIES ARE CORRODED AND SHALL BE REPAIRED PRIOR INTERIOR FINISHES. HAVE FIRE ESCAPE EVALUATED AND REPAIRED PER CITY OF CINCINNATI FIRE ESCAPE INSPECTION REPORT
- REMOVE FLOOR FRAMING AND SHEATHING. PROVIDE NEW 1 3/4"x9 1/2" LVL @ 16" o.c. AND NEW APA RATED SHEATHING.
- NEW 1 3/4"x9 1/2" LVL SISTER, BEAR ON NORTH END, SOUTH END SHALL BE 4" MIN FROM
- REMOVE AND REPLACE SOFT/DETERIORATED INTERIOR WYTHE BRICK, TUCK POINT AS NEEDED. KEEP HEADER COURSES. WHERE HEADER COURSES ARE DAMAGED, PROVIDE SPIRALOK TIES AT 8" o.c. HORIZONTAL SPACING, TOP AND BOTTOM OF HEADER COURSE.
- NEW 1 3/4" x7 1/4" LVL SISTER AT EX HEADER, HANG EACH END w/ ML26Z . CUT EX JOISTS AND HANG TO HEADER w/ LUS26R-18 HANGERS.
- AT 16"o.c. PROVIDE (2) 2x4 STUDS EACH END AND STRAP TO BEAM WITH SIMPSON MSTI26. NEW (2) 1 3/4"x9 1/4" LVL HEADER. POCKET INTO MASONRY WALL AND PROVIDE (2) (34) CRIPPLE STUDS AT WALL. CUT STUDS ABOVE AND NAIL TO TOP OF HEADER WITH (3)
- 🔇 35 🔪 SIMPSON ML28Z ANGLE OR HU7 HANGER. PROVIDE NEW (2) 1 3/4"X7 1/4" LVL HEADER, CONNECT STAIR STRINGERS TO HEADER WITH ML28Z ANGLES.
- \langle 36 \rangle NEW W8x24 BEAM WITH 3 1/2" POCKET INTO BRICK.
- NEW (2) 2x12 HEADER HUNG TO WF BEAM WITH SIMPSON WP212-2 HANGER. HANG JOIST
- TO HEADER WITH WS210 HANGERS. NEW 1 3/4"x7 1/4" LVL SISTER. MITER AND BEAR ON WALL PLATE. CONNECT TO HIP BEAM
- REPLACE EXISTING CHIMNEY 4 FT BELOW ROOF LINE. GROUT EXISTING FLUES SOLID 24" (39) BELOW NEW MASONRY. INTERIOR WYTHES AND CMU GROUTED SOLID. PROVIDE HORIZONTAL REINFORCING @ 8"o.c. AND #5 VERTICAL AT ENDS.
- REMOVE EXISTING FLOOR. PROVIDE NEW 2x12 JOISTS, POCKET INTO EXISTING JOIST (40) POCKETS, 2" MIN BEARING. FIRE CUT JOISTS AS NEEDED WITH A MINIMUM DEPTH OF 5 1/2" REMAINING. PROVIDE NEW APA RATED SHEATHING.

- REMOVE DEBRIS FROM EXTERIOR WINDOW WELL OR STAIR. FILL WITH 250 PSI CONTROLLED DENSITY FILL (CDF). TOP WITH 4" CONCRETE SIDEWALK SLAB.
- MASONRY ABOVE. REMOVE EX WOOD LINTELS.
- REPAIR MASONRY WALL.
- 6 REMOVE LOOSE SOIL AT BASE AND FILL VOID WITH 250 PSI CDF.
- NEW 4" CONCRETE SLAB.
- NEW 1'-0" THICK x 2'-6"x2-'6" CONCRETE FOOTING.

- REMOVE EXISTING ROTTED OR DAMAGED LINTELS AND REPLACED PER TYPICAL LINTEL

- \langle 14 \rangle TO MATCH EXISTING. CONNECT TO EX BEAMS EACH END w/ SIMPSON L70 ANGLES OR

- OUTSIDE FACE OF WALL.

- LOOSE SOIL AND FILL WITH 250 PSI CDF. REPLACE SIDEWALK WITH NEW 4" CONCRETE SLAB.
- 23 NEW HSS3x3x1/4" COLUMN.
- NEW 1 3/4"X11-7/8" LVL SISTER, BEAR EACH END. CONNECT SISTER w/ (6) 1/4"x3 1/4" SWS AT LOCATION, AND PER PLAN NOTES.
- HANGERS. RECONNECT EXISTING STRINGERS WITH ORIGINAL CONNECTION. PROVIDE
- 2" MIN EMBEDMENT, AT 32" o.c.

- NEW 1 3/4"x7 1/4" LVL SISTER, BEAR ON SOUTH WALL, NORTH END SHALL BE 4" MIN FROM WALL.
- NEW (2) 2x10 BEAM BELOW SHEAR WALL. FASTEN SHEAR WALL WITH (2) 0.148"x3.5" NAILS
- REMOVE EXISTING LANDING. PROVIDE NEW 1 3/4"x7 1/4" LVL JOISTS @ 12"o.c. WITH

NORTH **ROOF FRAMING PLAN** SCALE 1/4" = 1'-0"

NEW OPENING

COORD w/ ARCH

-REMOVE EXISTING HEADER

4TH FLOOR FRAMING PLAN

SCALE 1/4" = 1'-0"

(11)

 $\langle 11 \rangle$

NEW (2) 1 3/4"x7 1/4" LVL

HEADER WITH HUS48 EACH END

SEE S120 FOR LOW ROOF

FRAMING PLAN

1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.

5. SEE STRUCTURAL ELEVATION DRAWINGS FOR EXTERIOR BRICK REPAIR AND TUCKPOINTING.

9. FASTEN SISTERS WITH 1/4"x3" SWS @ 24"o.c. STAGGERED UNLESS NOTED OTHERWISE.

SATURATED OR DETERIORATED JOISTS WITH NEW JOISTS OF THE SAME SIZE

3. LUMBER AT 1ST FLOOR AND BASEMENT SHALL BE PRESSURE TREATED.

BOTTOM EACH 4" WYTHE, OR AN L4x3-1/2x5/16" LINTEL LLV, EACH WYTHE.

6. REPAIR AND TUCKPOINT INTERIOR MASONRY PER THE GENERAL NOTES.

2. REMOVE DAMAGED OR SATURATED SHEATHING AND REPLACE WITH NEW APA RATED SHEATHING. REPLACE DAMAGED,

4. WOOD LINTELS AT OPENINGS IN MASONRY WALLS WHERE ROTTED SHALL BE REPLACED WITH A STEEL HSS4x4x3/8

7. FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ADVANTAGE GROUP ENGINEERS OF ANY DESCREPANCIES.

S330

8. SWS = STRUCTURAL WOOD SCREW. ALLOWABLE SCREWS ARE 1/4" SIMPSON SDS, 1/4" SPAX POWERLAGS OR 1/4"

(GALVANIZED) LINTEL AT EACH 4" WYTHE. ALTERNATIVELY USE A 4"x8" PRECAST CONCRETE LINTEL WITH #5 TOP AND

PLAN NOTES:

FASTEN MASTER LEDGER LOK.

⟨30⟩

EXISTING 4"x5" HIP BEAM

<11>→

NEW (3) 1 3/4"x7 1/4" LVL

HIP BEAM

NEW 6x6

POST

BEAM BELOW EXISTING —

NEW 6x6 POST

S330

STRUCTURAL INFORMATION NOTED IS BASED ON ASSUMPTIONS OF CONDITION OF EXISTING FRAMING & FRAMING HIDDEN FROM VISUAL OBSERVATION. DETAILS OF PROPOSED FRAMING MODIFICATION/REPAIRS ARE SUBJECT TO CHANGE ONCE DEMOLITION IS UNDERWAY

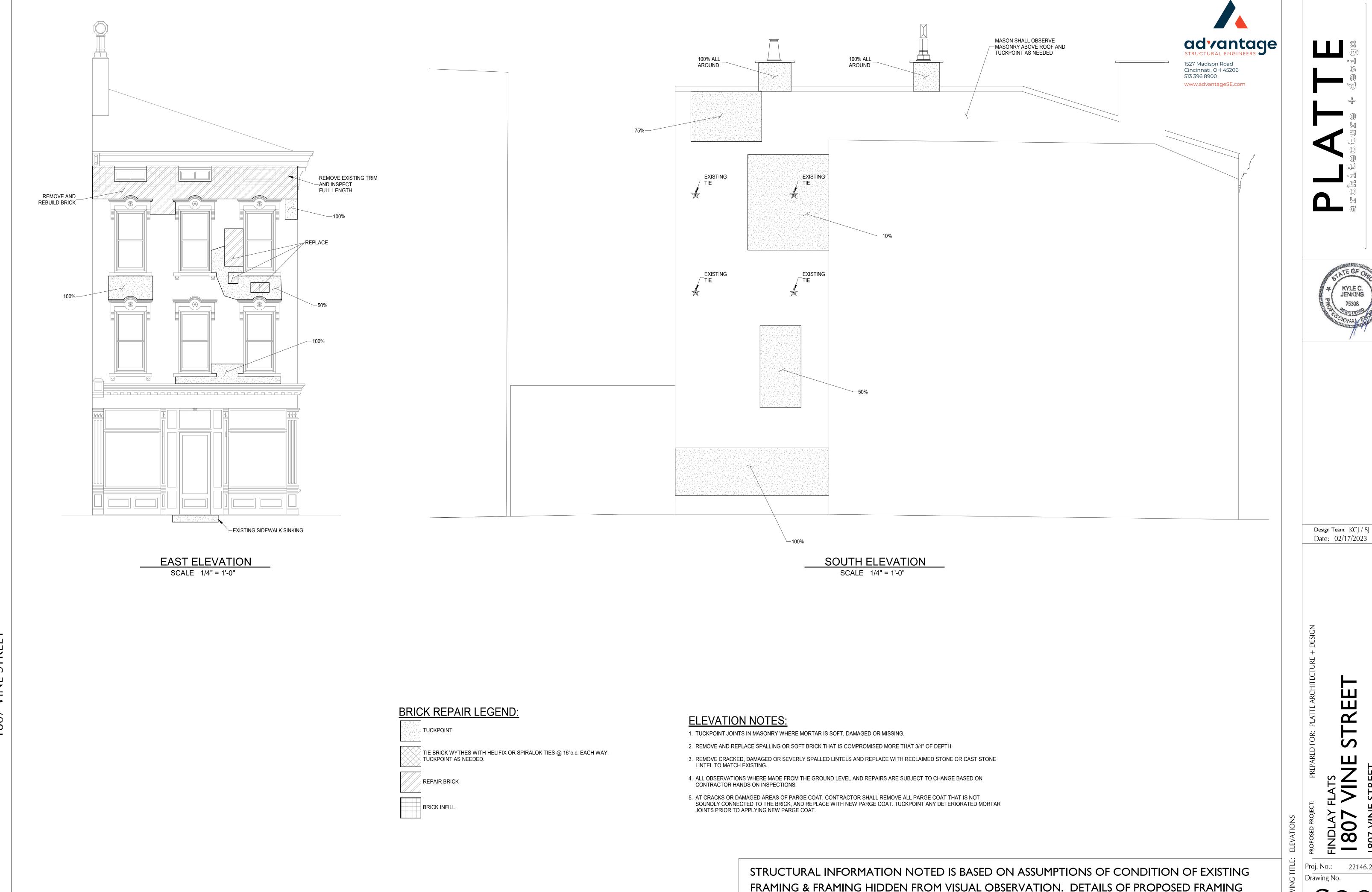
JENKINS

Design Team: KCJ / SJ

Date: 02/17/2023

Proj. No.:

22146.20 Drawing No.



FRAMING & FRAMING HIDDEN FROM VISUAL OBSERVATION. DETAILS OF PROPOSED FRAMING MODIFICATION/REPAIRS ARE SUBJECT TO CHANGE ONCE DEMOLITION IS UNDERWAY

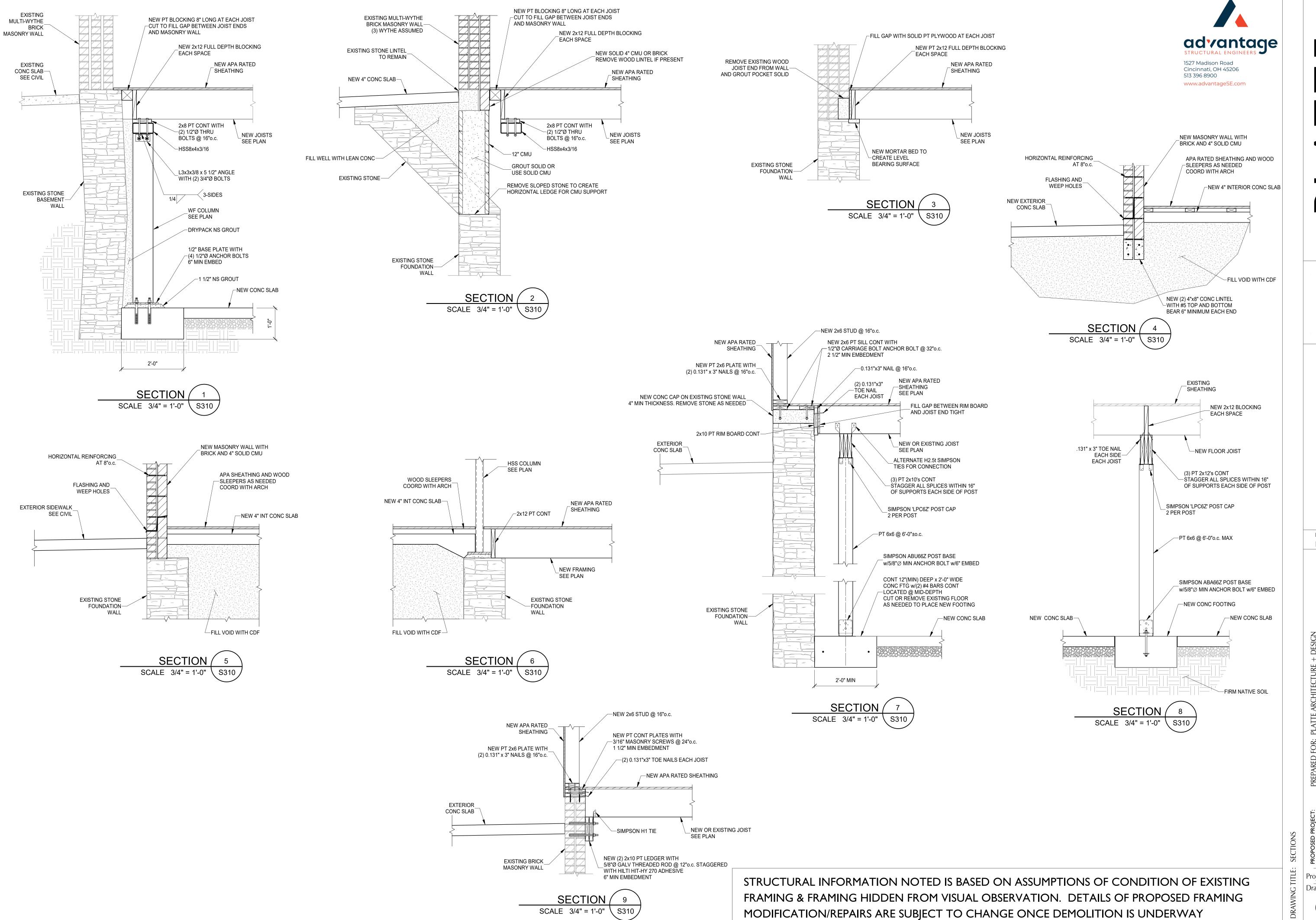


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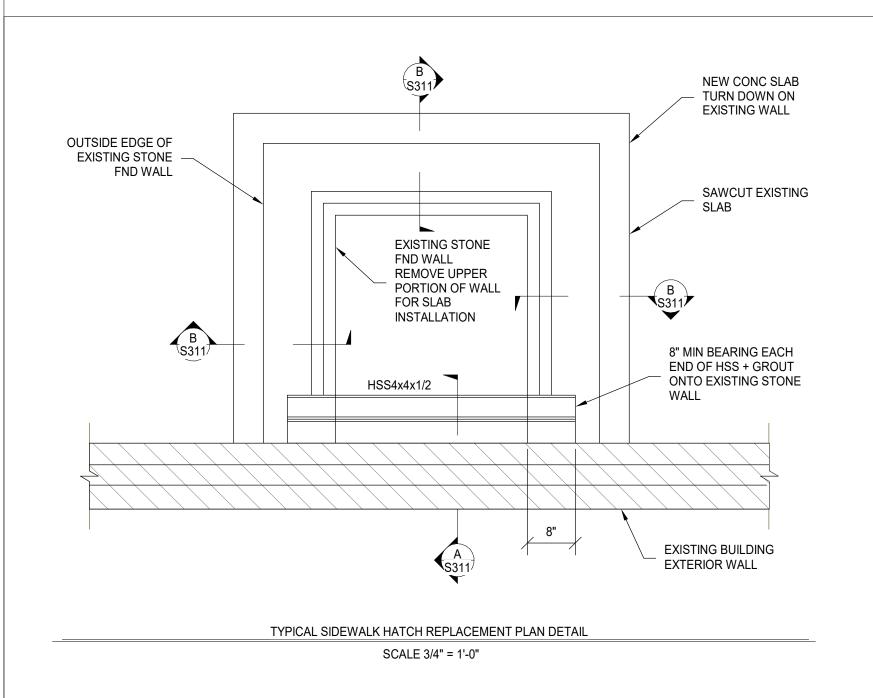


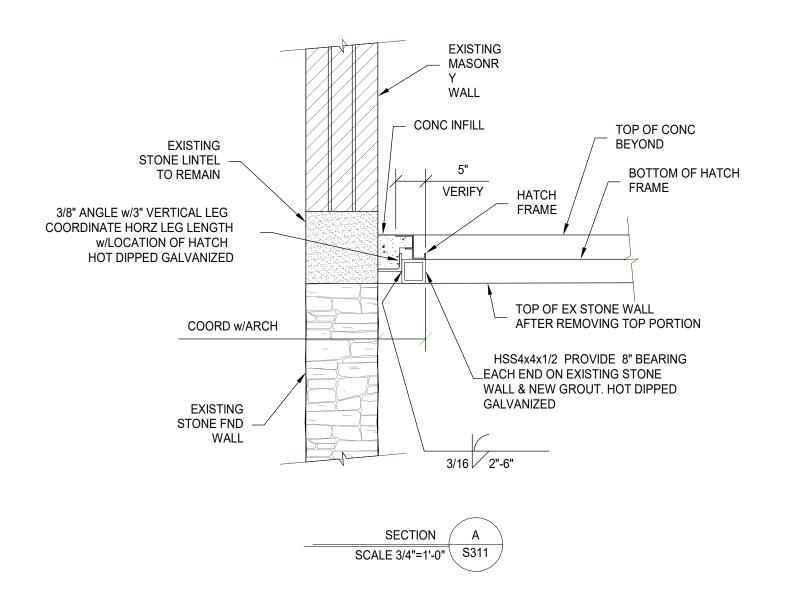
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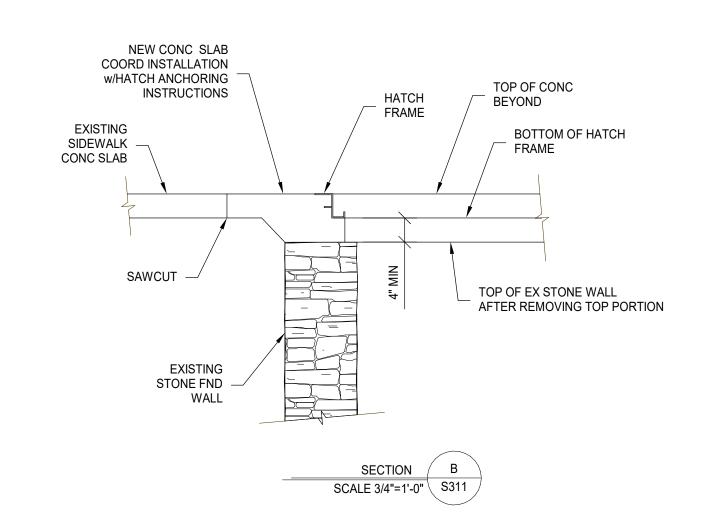
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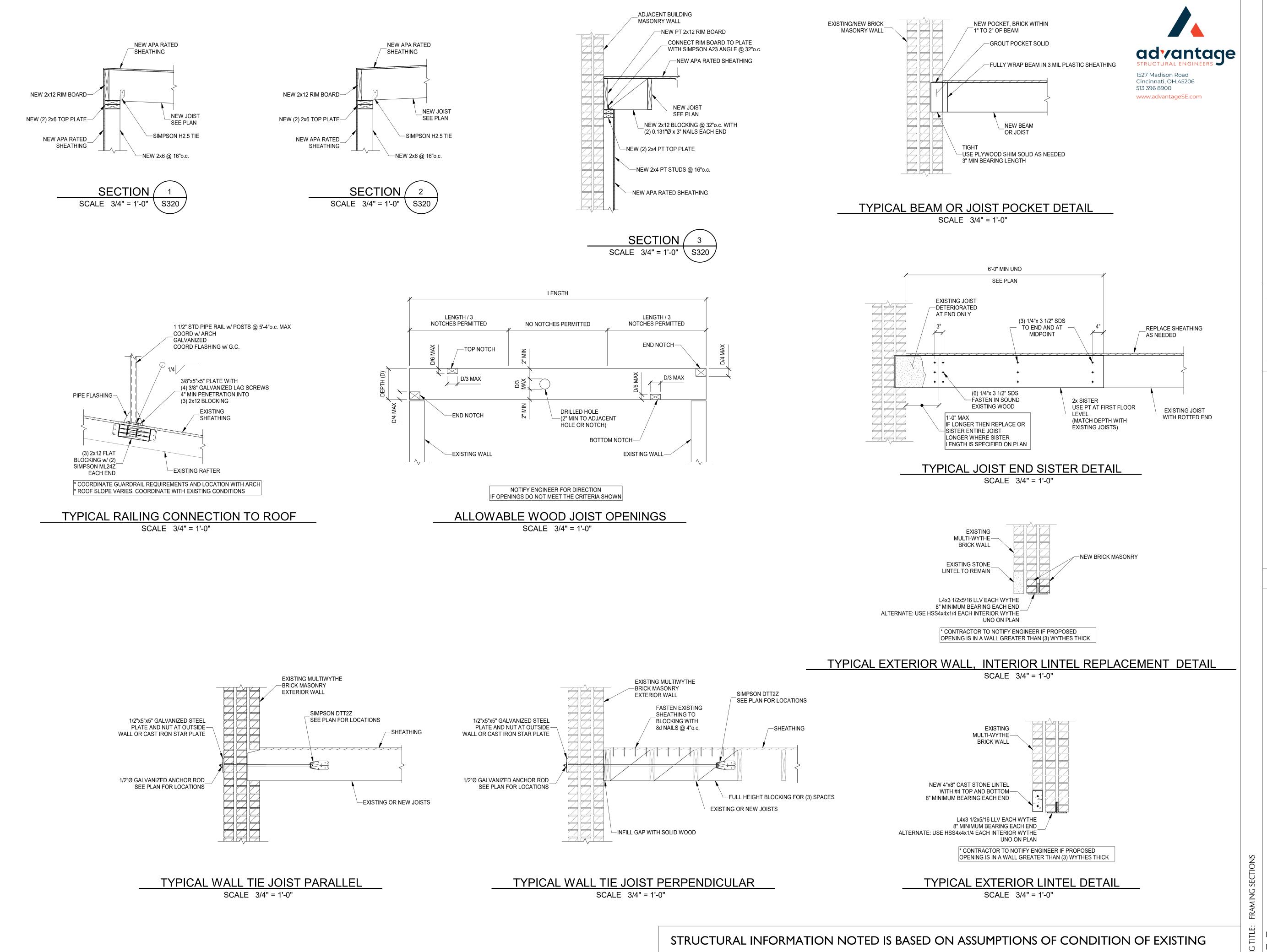




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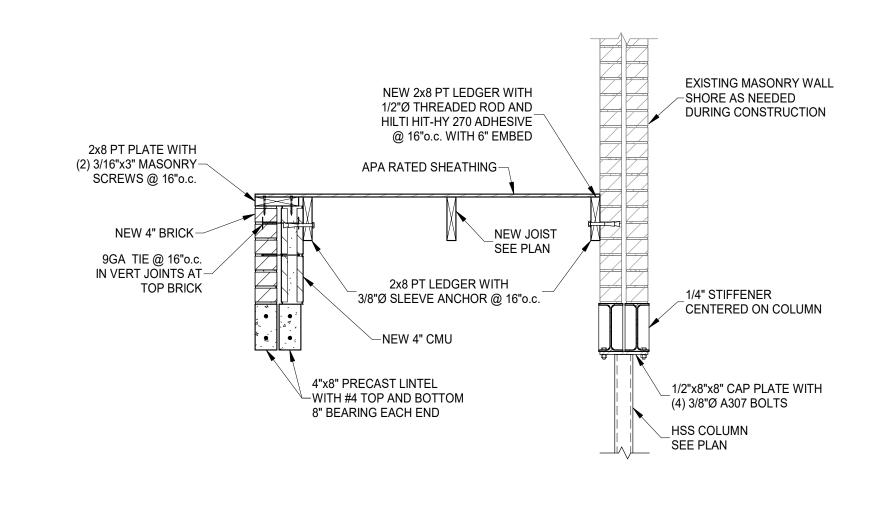
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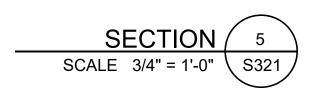
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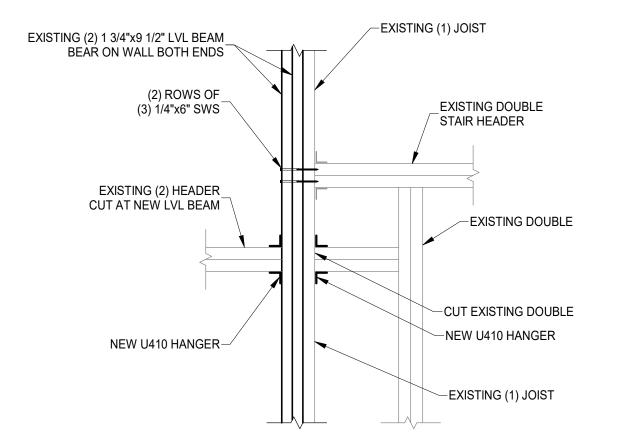
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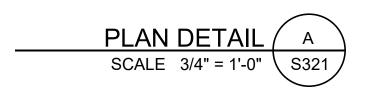
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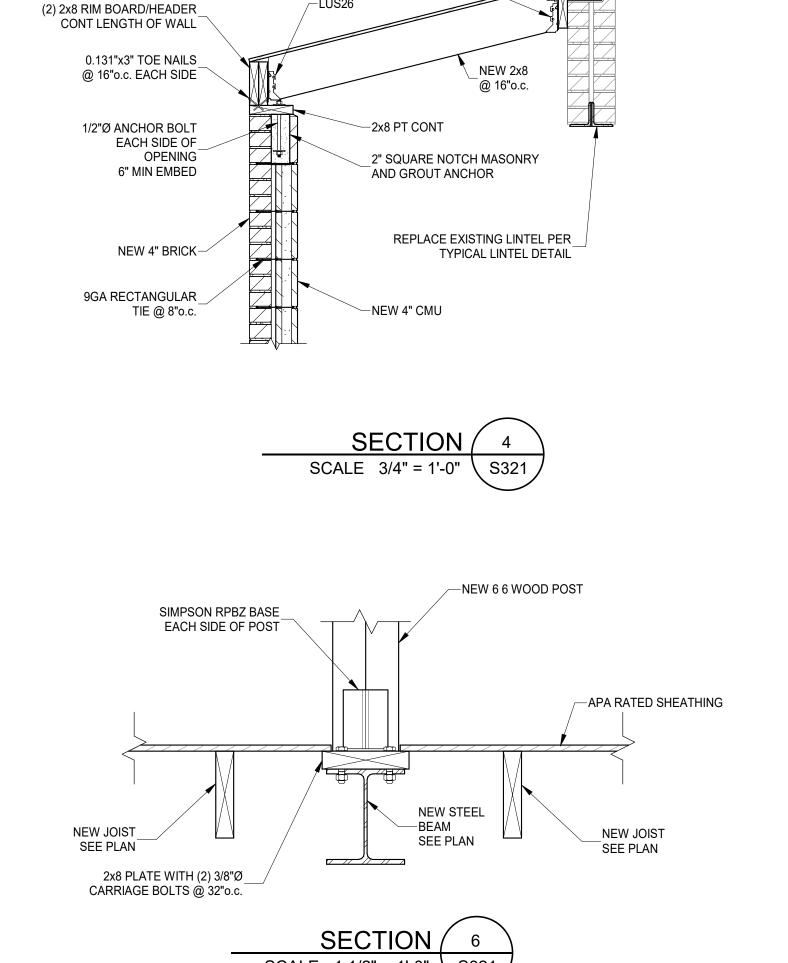






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EXISTING BRICK WALL—

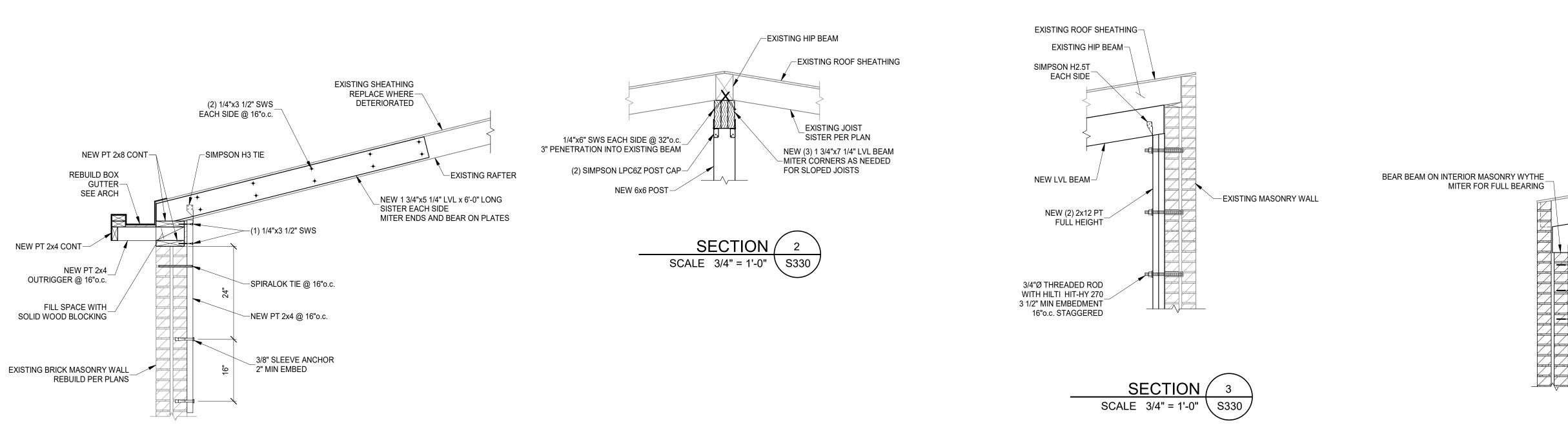
NEW 2x8 PT LEDGER WITH 1/2"Ø THREADED ROD AND

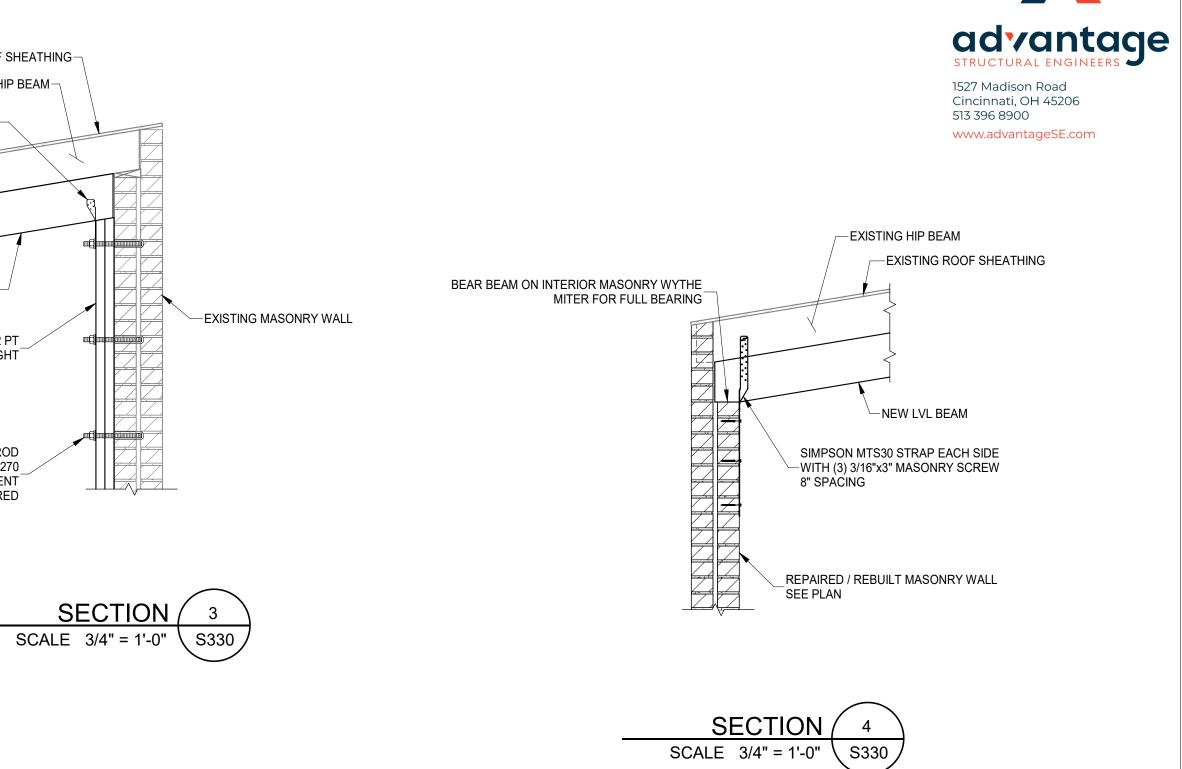
HILTI HIT-HY 270 ADHESIVE @ 16"o.c. WITH 6" EMBED

APA RATED SHEATHING-

LRUZ HANGER-

SCALE 3/4" = 1'-0"





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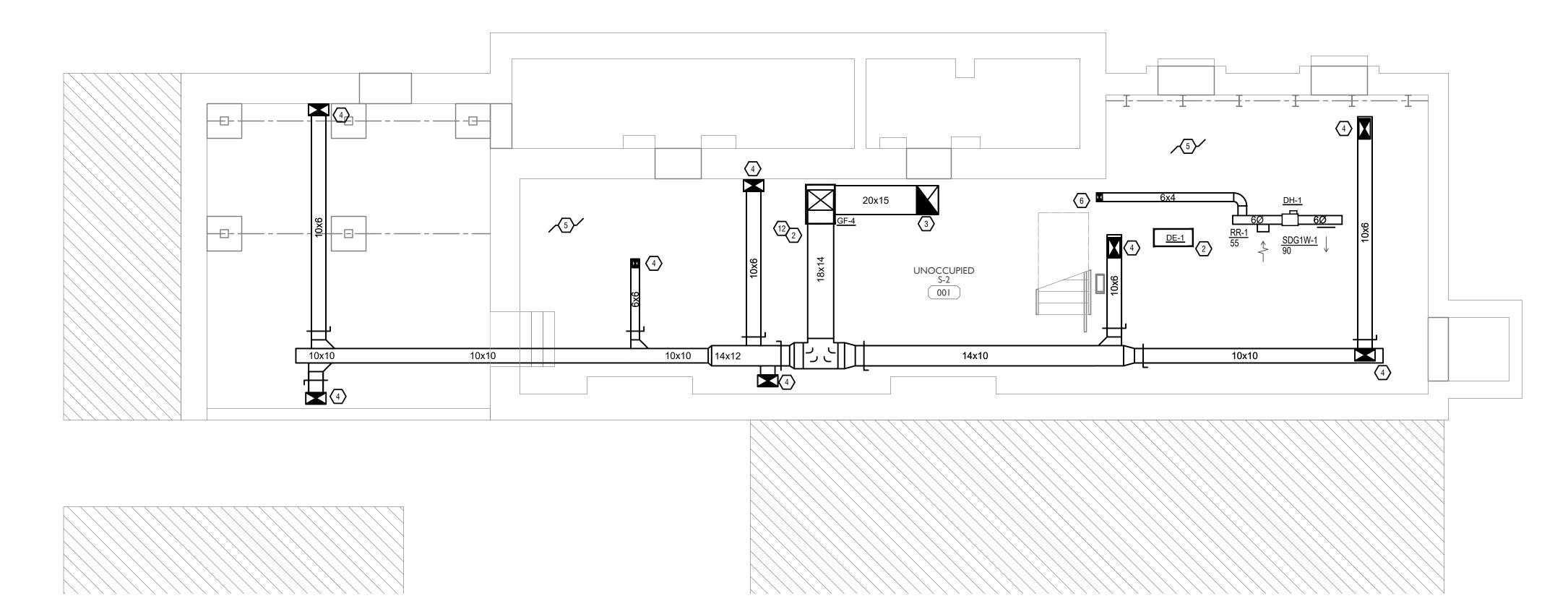
1/3" FIN SPACING

1/3" FIN SPACING

STEEL 2-WAY REGISTER, MS DAMPER,

CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	MODEL	NOTE 1
DTG-1	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	18x12	16x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
DTG-1C	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	18x12	16x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
EVH-4	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	6x7	4Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD. 1/4 INCH INSECT SCREEN.
EVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	8x9	6Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD. 1/4 INCH INSECT SCREEN.
FR-5	FLOOR REGISTER, ALL-STEEL CONSTRUCTION, 75% FREE AREA, TOE-OPERATED VALVE CONTROL	12x8	10x6	HART AND COOLEY/ 210	GOLDEN SAND ENAMEL FINISH
FRG-3	RETURN AIR FILTER GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	32x14	30x12	HART AND COOLEY/ 265	GOLDEN SAND ENAMEL FINISH
IVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED INTAKE VENT.	8x9	6Ø	FAMCO SWVP	ANGLED HOOD.1/4 INCH INSECT SCREEN.
RG-8	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	22x16	20x14	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
RR-1	STEEL RETURN GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	8x8	6x6	TITUS 350RL	STEEL OPPOSED-BLADE DAMPER OPERABLE FROM THE FACE OF THE GRILLE.
SDG1W-1	ALUMINUM SINGLE DEFLECTION SPIRAL DIFFUSER	12x5	10x3	HART AND COOLEY/ SV	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SDG2W-3	ALUMINUM DOUBLE DEFLECTION SPIRAL DIFFUSER	14x6	12x4	HART AND COOLEY/ SVH	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SR1W-1C	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	10x6	8x4	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1W-4	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	12x8	10x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1W-5	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1WS-1	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	10x8	8x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH
SR1WS-3	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	18x8	16x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH
SR2W-2	STEEL 2-WAY REGISTER, MS DAMPER,	12x6	10x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT

HART AND COOLEY/ 661



MECHANICAL SCOPE OF WORK IS TO PROVIDE NEW HVAC EQUIPMENT TO RESIDENTIAL AND COMMERCIAL SPACES. MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAWING, ETC. TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.

HVAC DESIGN CONDITIONS							
COMMERCIAL		RESIDENTIAL					
COOLING OUTDOOR: 93 DB / 75 WB	HEATING OUTDOOR: 0 DB	COOLING OUTDOOR: 93 DB / 75 WB	HEATING OUTDOOR: 0 D				

★ KEYED SHEET NOTES

RECOMMENDATIONS

RETURN DUCT UP TO FIRST FLOOR.

SUPPLY DUCT UP TO FIRST FLOOR.

CODE MINIMUM OSA LISTED ABOVE.

8.3 10' FROM MECHANICAL AIR INTAKE

PENETRATIONS. REFER TO DETAIL.

8.1. 3' FROM PROPERTY LINE.

PUMP AS REQUIRED.

FOR DETAILS.

CONTRACTOR.

WHITE FINISH

WHITE FINISH

ADJUSTABLE DAMPER IN FACE, BRIGHT

FRESH AIR INTAKE THRU WALL TO WALL CAP.

8.2. 3' FROM OPERABLE OPENINGS INTO BUILDING.

9. DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP.

ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET, SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING

SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES

ALL BASEMENTS SHALL BE VENTILATED AS STORAGE/WAREHOUSE SPACE IN ACCORDANCE WITH TABLE 403.3 OF THE 2017 OHIO MECHANICAL CODE AT A RATE OF 0.06 CFM PER SQUARE FOOT. PROVIDE NEW FAN IN BASEMENT FOR

UNDERCUT DOOR 1" ABOVE FINISHED FLOOR FOR RETURN/ MAKE UP AIR. ROUTE EXHAUST TO EXTERIOR WALL. INSTALL A LOUVERED VENT. SEE ARCHITECT BEFORE PENETRATION FOR EXACT LOCATION AND COLOR COORDINATION. ALL EXHAUST SHALL MEET THE FOLLOWING REQUIREMENTS.

10. 4" EXHAUST DUCT TO BE ROUTED DIRECTLY TO ROOF, AS ALLOWED PER 717.6.1 EXCEPTION. DUCT MUST BE MINIMUM 26 GA. AND BE CONTAINED

. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL

. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN BASEMENT. SLOPE

3. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL LINE-SET COVERS FOR

AROUND JOIST TO PREVENT FIRE DAMPER, REFER TO ARCHITECTURAL PLANS

MECHANICAL CONTRACTOR TO COORDINATE DUCT ROUTING WITH PLUMBING

15. ROUTE EXHAUST DUCT UP IN JOIST POCKET. RATING SHALL BE MAINTAINED

PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. PROVIDE CONDENSATE

WITHIN WALL CAVITY FOR FULL LENGTH. FIRE CAULK AROUND ALL

ALL EXPOSED REFRIGERANT PIPING AND CONDENSATE PIPING.

14. DUCTED RETURN SLEEVE TO AVOID EXPOSED WALL CAVITY.

- B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
-). INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL
- E. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, AND FINAL CEILING
- DIFFUSER LOCATIONS.
- PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.
- G. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK
- H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN. PROVIDE MINIMUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION
- MOUNT THERMOSTATS 60" ABOVE FINISHED FLOOR. MOUNT THERMOSTATS IN
- . ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING
- AND LABLED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- EXHAUST SYSTEMS.
- J.A. EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND BE CONSTRUCTED OF METAL A MINIMUM OF 28 GAGE.
- J.C. DUCTS SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN PLACE. THE INSERT END OF THE DUCT SHALL EXTEND INTO THE ADJOINING
- DUCT OR FITTING IN THE DIRECTION OF AIRFLOW.
- PROTRUDE MORE THAN $\frac{1}{8}$ INCH INTO THE INSIDE OF THE DUCT.
- FROM FINISH OR OTHER WORK ARE LIKELY TO PENETRATE THE CLOTHES DRYER EXHAUST DUCT.SHIELD PLATES SHALL BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 1-1/4 INCHES BETWEEN THE DUCT AND THE FINISHED FACE OF THE FRAMING MEMBER. SHIELD PLATES SHALL BE CONSTRUCTED OF STEEL, HAVE A THICKNESS OF 0.062 INCHES, AND EXTEND NOT LESS THAN 2 INCHES ABOVE SOLE PLATES AND BELOW TOP PLATES.
- SYSTEM SHALL BE A SINGLE LENGTH THAT IS LISTED AND LABELED IN ACCORDANCE WITH UL 2158A. TRANSITION DUCTS SHALL BE NOT GREATER THAN 8 FEET IN LENGTH AND SHALL NOT BE CONCEALED WITHIN CONSTRUCTION.
- NEAR DRYER.
- J.H. PROVIDE A PERMANENT LABEL OR TAG (EQUAL TO DRYERPLACARD) INDICATING ACTUAL EQUIVALENT LENGTH OF EXHAUST DUCT. LENGTH SHALL INCLUDE 5' FOR 90 . LABEL/TAG MUST BE WITHIN 6' OF DRYER EXHAUST CONNECTION. DRYER EXHAUST DUCT FITTING EQUIVALENT LENGTH SHALL BE 2'-6" FOR A RADIUS MITERED 45-DEGREE ELBOW AND 5 FEET FOR A RADIUS MITERED 90-DEGREE ELBOW.

STMBULS LI	EGEND — HVAC
Ū	THERMOSTAT
	CEILING DIFFUSER
→	SIDE WALL GRILL
-	RETURN WALL GRILL
-	AIR FLOW DIRECTION
14x10	DUCTWORK
\boxtimes	TYPICAL SUPPLY DUCT DN
	TYPICAL RETURN DUCT DN
N N	TYPICAL EXHAUST DUCT
ررد	TURNING VANES
⊠ ~~	FLEXIBLE DUCT, 8'-0" LONG MAX.
<u> </u>	TYPICAL ROUND DUCT DN
	ROUND DUCT UP
	MVD MANUAL VOLUME DAMPER
	DROPPED CEILING/SOFFIT



MECHANICAL SCOPE OF WORK (PLAN REVIEW ONLY)

NDOOR: 72 INDOOR: 70 INDOOR: 75 INDOOR: 70

GENERAL NOTES

- A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL
- C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
- CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.

- ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED
- 307.2.2 OF THE OHIO MECHANICAL CODE.
- ADA UNITS 40" ABOVE FINISHED FLOOR.
- X. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED
- J. THE FOLLOWING GUIDELINES MUST BE FOLLOWED FOR THE DOMESTIC DRYER
- J.B. DUCT SIZE SHALL BE 4 INCHES NOMINAL DIAMETER.
- J.D. DUCTS SHALL NOT BE JOINED WITH SCREWS OF SIMILAR FASTENERS THAT
- J.E. PROTECTIVE SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS
- J.F. TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT
- J.G. PROVIDE DRYER WALL BOX EQUAL TO DUNDAS JAFINE MODEL DRB4XZW

SYMBOLS L	EGEND — HVAC
T	THERMOSTAT
\boxtimes	CEILING DIFFUSER
→	SIDE WALL GRILL
\	return wall grill
~ \	AIR FLOW DIRECTION
14x10	DUCTWORK
\boxtimes	TYPICAL SUPPLY DUCT DN
Ø	TYPICAL RETURN DUCT DN
X	TYPICAL EXHAUST DUCT
ررد	TURNING VANES
$\boxtimes \sim \sim$	FLEXIBLE DUCT, 8'-0" LONG MAX.
<u> </u>	TYPICAL ROUND DUCT DN
	ROUND DUCT UP
	MVD MANUAL VOLUME DAMPER
	DROPPED CEILING/SOFFIT



SEVERT STILKEY E-77755

Progress Dates

Revisions

Checked By: SSS

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SHARED SUCCESS

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MEP Consulting Services, Inc. in OH

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Drawn by: RPG

05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

STEEL 1-WAY REGISTER, MS DAMPER,

STEEL 2-WAY REGISTER, MS DAMPER,

STEEL 2-WAY REGISTER, MS DAMPER,

1/2" FIN SPACING

1/3" FIN SPACING

1/3" FIN SPACING

SR2W-2

SR2W-7

18x8

12x6

18x10

10x4

16x8

CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	MODEL	NOTE 1
DTG-1	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	18x12	16x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
DTG-1C	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	18x12	16x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
EVH-4	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	6x7	4Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD 1/4 INCH INSECT SCREEN.
EVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	8x9	6Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD 1/4 INCH INSECT SCREEN.
FR-5	FLOOR REGISTER, ALL-STEEL CONSTRUCTION, 75% FREE AREA, TOE-OPERATED VALVE CONTROL	12x8	10x6	HART AND COOLEY/ 210	GOLDEN SAND ENAMEL FINISH
FRG-3	RETURN AIR FILTER GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	32x14	30x12	HART AND COOLEY/ 265	GOLDEN SAND ENAMEL FINISH
IVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED INTAKE VENT.	8x9	6Ø	FAMCO SWVP	ANGLED HOOD.1/4 INCH INSECT SCREEN.
RG-8	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	22x16	20x14	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
RR-1	STEEL RETURN GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	8x8	6x6	TITUS 350RL	STEEL OPPOSED-BLADE DAMPER OPERABLE FROM THE FACE OF THE GRILLE.
SDG1W-1	ALUMINUM SINGLE DEFLECTION SPIRAL DIFFUSER	12x5	10x3	HART AND COOLEY/ SV	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SDG2W-3	ALUMINUM DOUBLE DEFLECTION SPIRAL DIFFUSER	14x6	12x4	HART AND COOLEY/ SVH	ADJUSTABLE DAMPER, BRIGHT WHIT
SR1W-1C	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	10x6	8x4	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGH WHITE FINISH
SR1W-4	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	12x8	10x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGH WHITE FINISH
SR1W-5	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGH WHITE FINISH
SR1WS-1	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	10x8	8x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH

HART AND COOLEY/ 681

HART AND COOLEY/ 661

HART AND COOLEY/ 661

★ KEYED SHEET NOTES

- ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES RECOMMENDATIONS.
 - RETURN DUCT UP TO FIRST FLOOR. SUPPLY DUCT UP TO FIRST FLOOR.

ADJUSTABLE DAMPER, SIDE

WHITE FINISH

WHITE FINISH

DEFLECTION, BRIGHT WHITE FINISH

ADJUSTABLE DAMPER IN FACE, BRIGHT

ADJUSTABLE DAMPER IN FACE, BRIGHT

- ALL BASEMENTS SHALL BE VENTILATED AS STORAGE/WAREHOUSE SPACE IN ACCORDANCE WITH TABLE 403.3 OF THE 2017 OHIO MECHANICAL CODE AT A RATE OF 0.06 CFM PER SQUARE FOOT. PROVIDE NEW FAN IN BASEMENT FOR CODE MINIMUM OSA LISTED ABOVE.
- FRESH AIR INTAKE THRU WALL TO WALL CAP. UNDERCUT DOOR 1" ABOVE FINISHED FLOOR FOR RETURN/ MAKE UP AIR. ROUTE EXHAUST TO EXTERIOR WALL. INSTALL A LOUVERED VENT. SEE ARCHITECT BEFORE PENETRATION FOR EXACT LOCATION AND COLOR

COORDINATION. ALL EXHAUST SHALL MEET THE FOLLOWING REQUIREMENTS.

- 8.1. 3' FROM PROPERTY LINE. 8.2. 3' FROM OPERABLE OPENINGS INTO BUILDING.
- 8.3 10' FROM MECHANICAL AIR INTAKE
- 9. DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP. 10. 4" EXHAUST DUCT TO BE ROUTED DIRECTLY TO ROOF, AS ALLOWED PER 717.6.1 EXCEPTION. DUCT MUST BE MINIMUM 26 GA. AND BE CONTAINED WITHIN WALL CAVITY FOR FULL LENGTH. FIRE CAULK AROUND ALL PENETRATIONS. REFER TO DETAIL.
- 11. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL 12. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN BASEMENT. SLOPE
- PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. PROVIDE CONDENSATE PUMP AS REQUIRED. 3. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL LINE-SET COVERS FOR ALL EXPOSED REFRIGERANT PIPING AND CONDENSATE PIPING.
- 14. DUCTED RETURN SLEEVE TO AVOID EXPOSED WALL CAVITY. 5. ROUTE EXHAUST DUCT UP IN JOIST POCKET. RATING SHALL BE MAINTAINED AROUND JOIST TO PREVENT FIRE DAMPER. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
- 6. MECHANICAL CONTRACTOR TO COORDINATE DUCT ROUTING WITH PLUMBING CONTRACTOR.

MECHANICAL SCOPE OF WORK (PLAN REVIEW ONLY)

MECHANICAL SCOPE OF WORK IS TO PROVIDE NEW HVAC EQUIPMENT TO RESIDENTIAL AND COMMERCIAL SPACES. MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAWING, ETC. TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.

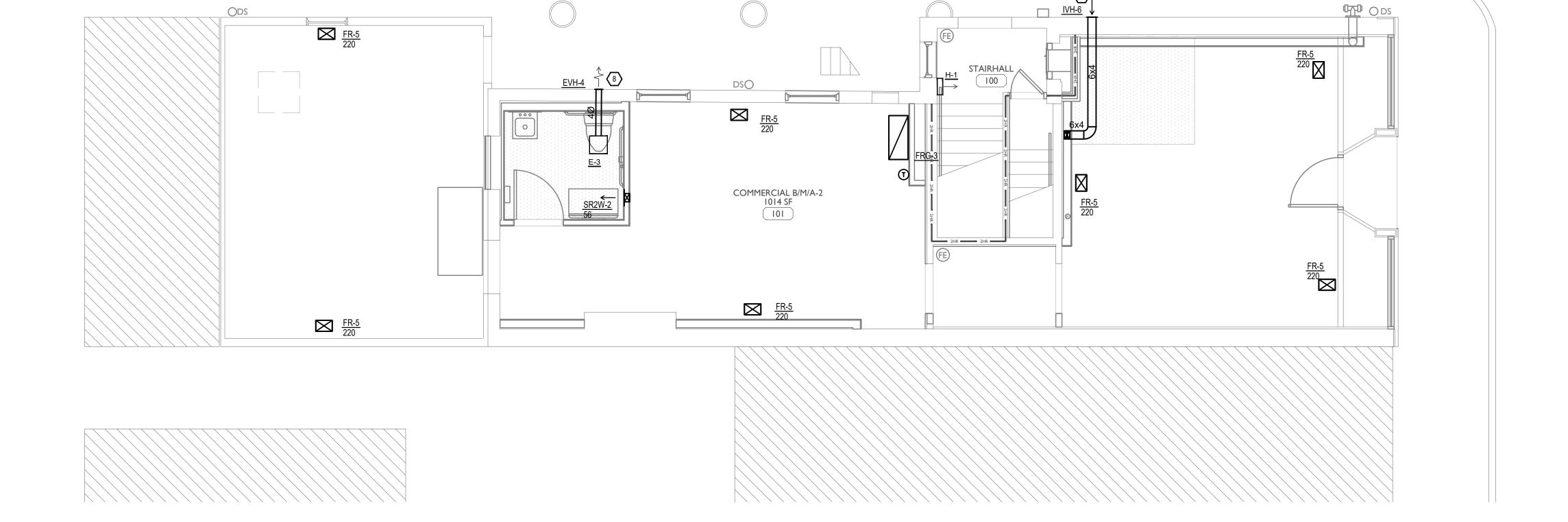
HVAC DESIGN CONDITIONS

L	COMMERCIAL		RESIDENTIAL		
	COOLING OUTDOOR: 93 DB / 75 WB INDOOR: 72	HEATING OUTDOOR: 0 DB INDOOR: 70	COOLING OUTDOOR: 93 DB / 75 WB INDOOR: 75	HEATING OUTDOOR: 0 INDOOR: 70	

GENERAL NOTES

- A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL
- B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
- C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
- D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.
- E. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, AND FINAL CEILING DIFFUSER LOCATIONS.
- F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.
- G. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED
- H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN. PROVIDE MINIMUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION 307.2.2 OF THE OHIO MECHANICAL CODE.
- MOUNT THERMOSTATS 60" ABOVE FINISHED FLOOR. MOUNT THERMOSTATS IN ADA UNITS 40" ABOVE FINISHED FLOOR.
- . ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING
- K. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABLED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- J. THE FOLLOWING GUIDELINES MUST BE FOLLOWED FOR THE DOMESTIC DRYER EXHAUST SYSTEMS.
- J.A. EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND BE CONSTRUCTED OF METAL A MINIMUM OF 28 GAGE.
- J.B. DUCT SIZE SHALL BE 4 INCHES NOMINAL DIAMETER. J.C. DUCTS SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN PLACE. THE INSERT END OF THE DUCT SHALL EXTEND INTO THE ADJOINING
- DUCT OR FITTING IN THE DIRECTION OF AIRFLOW. J.D. DUCTS SHALL NOT BE JOINED WITH SCREWS OF SIMILAR FASTENERS THAT
- PROTRUDE MORE THAN 1 INCH INTO THE INSIDE OF THE DUCT. J.E. PROTECTIVE SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS FROM FINISH OR OTHER WORK ARE LIKELY TO PENETRATE THE CLOTHES DRYER EXHAUST DUCT.SHIELD PLATES SHALL BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 1-1/4 INCHES BETWEEN THE DUCT AND THE FINISHED FACE OF THE FRAMING MEMBER. SHIELD PLATES SHALL BE CONSTRUCTED OF STEEL, HAVE A THICKNESS OF 0.062 INCHES, AND EXTEND NOT LESS THAN 2 INCHES ABOVE SOLE PLATES
- AND BELOW TOP PLATES. J.F. TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT SYSTEM SHALL BE A SINGLE LENGTH THAT IS LISTED AND LABELED IN ACCORDANCE WITH UL 2158A. TRANSITION DUCTS SHALL BE NOT GREATER THAN 8 FEET IN LENGTH AND SHALL NOT BE CONCEALED WITHIN
- CONSTRUCTION. J.G. PROVIDE DRYER WALL BOX EQUAL TO DUNDAS JAFINE MODEL DRB4XZW NEAR DRYER.
- J.H. PROVIDE A PERMANENT LABEL OR TAG (EQUAL TO DRYERPLACARD) INDICATING ACTUAL EQUIVALENT LENGTH OF EXHAUST DUCT. LENGTH SHALL INCLUDE 5' FOR 90 . LABEL/TAG MUST BE WITHIN 6' OF DRYER EXHAUST CONNECTION. DRYER EXHAUST DUCT FITTING EQUIVALENT LENGTH SHALL BE 2'-6" FOR A RADIUS MITERED 45-DEGREE ELBOW AND 5 FEET FOR A RADIUS MITERED 90-DEGREE ELBOW.

SYMBOLS LE	EGEND — HVAC					
T	THERMOSTAT					
\boxtimes	CEILING DIFFUSER					
→	SIDE WALL GRILL					
- -\-	RETURN WALL GRILL					
↓	AIR FLOW DIRECTION					
14x10	DUCTWORK					
X	TYPICAL SUPPLY DUCT DN					
	TYPICAL RETURN DUCT DN					
N N	TYPICAL EXHAUST DUCT					
ررد	TURNING VANES					
	FLEXIBLE DUCT, 8'-0" LONG MAX.					
<u> </u>	TYPICAL ROUND DUCT DN					
	ROUND DUCT UP					
	MVD MANUAL VOLUME DAMPER					
	DROPPED CEILING/SOFFIT					





SEVERT E-77755

Progress Dates 05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

Checked By: SSS

Drawn by: RPG



TEAMWORK • COLLABORATION SHARED SUCCESS 515 Monmouth Street, Suite 204 Newport, KY 41071 (859) 261-0585 MEP Consulting Services, Inc. in OH

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Job No: 22042

STEEL 2-WAY REGISTER, MS DAMPER,

1/3" FIN SPACING

18x10

EBS -	EBS - RESIDENTIAL DIFFUSER, GRILLE, AND REGISTER SCHEDULE								
CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	MODEL	NOTE 1				
DTG-1	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	18x12	16x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH				
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EVH-4	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	6x7	4Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD. 1/4 INCH INSECT SCREEN.				
EVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	8x9	6Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD. 1/4 INCH INSECT SCREEN.				
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SR2W-2	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	12x6	10x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH				

HART AND COOLEY/ 661

ADJUSTABLE DAMPER IN FACE, BRIGHT

APARTMENT

STAIRHALL 200

WHITE FINISH

★ KEYED SHEET NOTES

- ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES RECOMMENDATIONS.
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11. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL

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- 16. MECHANICAL CONTRACTOR TO COORDINATE DUCT ROUTING WITH PLUMBING CONTRACTOR.

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HVAC DESIGN CONDITIONS

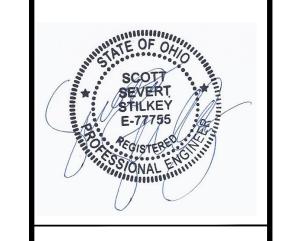
-1	COMMERCIAL		<u>RESIDENTIAL</u>		
-1	COOLING	HEATING	COOLING	HEATING	
	OUTDOOR: 93 DB / 75 WB	OUTDOOR: 0 DB	OUTDOOR: 93 DB / 75 WB	OUTDOOR: 0	
- 1	INDOOR: 72	INDOOR: 70	INDOOR: 75	INDOOR: 70	

GENERAL NOTES

- A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL
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SYMBOLS L	SYMBOLS LEGEND — HVAC			
T	THERMOSTAT			
	CEILING DIFFUSER			
→	SIDE WALL GRILL			
-\-	RETURN WALL GRILL			
← √-	AIR FLOW DIRECTION			
14x10	DUCTWORK			
	TYPICAL SUPPLY DUCT DN			
	TYPICAL RETURN DUCT DN			
N N	TYPICAL EXHAUST DUCT			
(1,4	TURNING VANES			
\boxtimes ~~	FLEXIBLE DUCT, 8'-0" LONG MAX.			
<u></u>	TYPICAL ROUND DUCT DN			
	ROUND DUCT UP			
MVD MANUAL VOLUME DAMPER				
	DROPPED CEILING/SOFFIT			





Progress Dates 05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

Checked By: SSS

Drawn by: RPG



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Job No: 22042

SR2W-2

111

STEEL 2-WAY REGISTER, MS DAMPER,

STEEL 2-WAY REGISTER, MS DAMPER,

1/3" FIN SPACING

1/3" FIN SPACING

CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	MODEL	NOTE 1
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EVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	8x9	6Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD. 1/4 INCH INSECT SCREEN.
FR-5	FLOOR REGISTER, ALL-STEEL CONSTRUCTION, 75% FREE AREA, TOE-OPERATED VALVE CONTROL	12x8	10x6	HART AND COOLEY/ 210	GOLDEN SAND ENAMEL FINISH
FRG-3	RETURN AIR FILTER GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	32x14	30x12	HART AND COOLEY/ 265	GOLDEN SAND ENAMEL FINISH
IVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED INTAKE VENT.	8x9	6Ø	FAMCO SWVP	ANGLED HOOD.1/4 INCH INSECT SCREEN.
RG-8	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	22x16	20x14	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
RR-1	STEEL RETURN GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	8x8	6x6	TITUS 350RL	STEEL OPPOSED-BLADE DAMPER OPERABLE FROM THE FACE OF THE GRILLE.
SDG1W-1	ALUMINUM SINGLE DEFLECTION SPIRAL DIFFUSER	12x5	10x3	HART AND COOLEY/ SV	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SDG2W-3	ALUMINUM DOUBLE DEFLECTION SPIRAL DIFFUSER	14x6	12x4	HART AND COOLEY/ SVH	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SR1W-1C	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	10x6	8x4	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1W-4	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	12x8	10x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1W-5	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1WS-1	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	10x8	8x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH
SR1WS-3	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	18x8	16x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH

10x4

16x8

18x10

HART AND COOLEY/ 661

HART AND COOLEY/ 661

★ KEYED SHEET NOTES

- ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES RECOMMENDATIONS.
- RETURN DUCT UP TO FIRST FLOOR. SUPPLY DUCT UP TO FIRST FLOOR.

FOR DETAILS.

ADJUSTABLE DAMPER IN FACE, BRIGHT

ADJUSTABLE DAMPER IN FACE, BRIGHT

WHITE FINISH

WHITE FINISH

300

- ALL BASEMENTS SHALL BE VENTILATED AS STORAGE/WAREHOUSE SPACE IN ACCORDANCE WITH TABLE 403.3 OF THE 2017 OHIO MECHANICAL CODE AT A RATE OF 0.06 CFM PER SQUARE FOOT. PROVIDE NEW FAN IN BASEMENT FOR
- CODE MINIMUM OSA LISTED ABOVE. FRESH AIR INTAKE THRU WALL TO WALL CAP. UNDERCUT DOOR 1" ABOVE FINISHED FLOOR FOR RETURN/ MAKE UP AIR.
- 8. ROUTE EXHAUST TO EXTERIOR WALL. INSTALL A LOUVERED VENT. SEE ARCHITECT BEFORE PENETRATION FOR EXACT LOCATION AND COLOR COORDINATION. ALL EXHAUST SHALL MEET THE FOLLOWING REQUIREMENTS.
- 8.1. 3' FROM PROPERTY LINE. 8.2. 3' FROM OPERABLE OPENINGS INTO BUILDING.
- 8.3 10' FROM MECHANICAL AIR INTAKE
- 9. DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP. 10. 4" EXHAUST DUCT TO BE ROUTED DIRECTLY TO ROOF, AS ALLOWED PER 717.6.1 EXCEPTION. DUCT MUST BE MINIMUM 26 GA. AND BE CONTAINED
- WITHIN WALL CAVITY FOR FULL LENGTH. FIRE CAULK AROUND ALL PENETRATIONS. REFER TO DETAIL. 1. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL
- 12. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN BASEMENT. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. PROVIDE CONDENSATE PUMP AS REQUIRED.
- 13. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL LINE-SET COVERS FOR ALL EXPOSED REFRIGERANT PIPING AND CONDENSATE PIPING.
- 14. DUCTED RETURN SLEEVE TO AVOID EXPOSED WALL CAVITY. 15. ROUTE EXHAUST DUCT UP IN JOIST POCKET. RATING SHALL BE MAINTAINED AROUND JOIST TO PREVENT FIRE DAMPER. REFER TO ARCHITECTURAL PLANS
- 16. MECHANICAL CONTRACTOR TO COORDINATE DUCT ROUTING WITH PLUMBING CONTRACTOR.

MECHANICAL SCOPE OF WORK (PLAN REVIEW ONLY)

MECHANICAL SCOPE OF WORK IS TO PROVIDE NEW HVAC EQUIPMENT TO RESIDENTIAL AND COMMERCIAL SPACES. MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAWING, ETC. TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.

- 1	COMMERCIAL	<u>.</u>	<u>RESIDENTIAL</u>		
	COOLING OUTDOOR: 93 DB / 75 WB INDOOR: 72	HEATING OUTDOOR: 0 DB INDOOR: 70	COOLING OUTDOOR: 93 DB / 75 WB INDOOR: 75	HEATING OUTDOOR: 0 INDOOR: 70	
	OUTDOOR: 93 DB / 75 WB	OUTDOOR: 0 DB	OUTDOOR: 93 DB / 75	5 WB	

GENERAL NOTES

- A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL
- B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
- C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
- D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.
- E. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, AND FINAL CEILING
- F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER
- G. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED
- H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN. PROVIDE MINIMUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION 307.2.2 OF THE OHIO MECHANICAL CODE.
- MOUNT THERMOSTATS 60" ABOVE FINISHED FLOOR. MOUNT THERMOSTATS IN ADA UNITS 40" ABOVE FINISHED FLOOR.
- . ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING. BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING
- K. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABLED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- EXHAUST SYSTEMS.
- J.A. EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND BE
- J.B. DUCT SIZE SHALL BE 4 INCHES NOMINAL DIAMETER.
- PLACE. THE INSERT END OF THE DUCT SHALL EXTEND INTO THE ADJOINING DUCT OR FITTING IN THE DIRECTION OF AIRFLOW.
- PROTRUDE MORE THAN \$ INCH INTO THE INSIDE OF THE DUCT.
- BETWEEN THE DUCT AND THE FINISHED FACE OF THE FRAMING MEMBER. AND BELOW TOP PLATES.
- SYSTEM SHALL BE A SINGLE LENGTH THAT IS LISTED AND LABELED IN THAN 8 FEET IN LENGTH AND SHALL NOT BE CONCEALED WITHIN CONSTRUCTION.
- J.G. PROVIDE DRYER WALL BOX EQUAL TO DUNDAS JAFINE MODEL DRB4XZW NEAR DRYER.
- SHALL INCLUDE 5' FOR 90 . LABEL/TAG MUST BE WITHIN 6' OF DRYER EXHAUST CONNECTION. DRYER EXHAUST DUCT FITTING EQUIVALENT FEET FOR A RADIUS MITERED 90-DEGREE ELBOW.

SYMBOLS LI	EGEND — HVAC				
Ŧ	THERMOSTAT				
\boxtimes	CEILING DIFFUSER				
→	SIDE WALL GRILL				
-	RETURN WALL GRILL				
← √-	AIR FLOW DIRECTION				
14x10	DUCTWORK				
	TYPICAL SUPPLY DUCT DN				
	TYPICAL RETURN DUCT DN				
N N	TYPICAL EXHAUST DUCT				
ردر	TURNING VANES				
	FLEXIBLE DUCT, 8'-0" LONG MAX.				
<u> </u>	TYPICAL ROUND DUCT DN				
	ROUND DUCT UP				
	MVD MANUAL VOLUME DAMPER				
	DROPPED CEILING/SOFFIT				



HVAC DESIGN CONDITIONS

١	COMMERCIAL		RESIDENTIAL		
	COOLING	HEATING	COOLING	HEATING	
	OUTDOOR: 93 DB / 75 WB	OUTDOOR: 0 DB	OUTDOOR: 93 DB / 75 WB	OUTDOOR: 0	
	INDOOR: 72	INDOOR: 70	INDOOR: 75	INDOOR: 70	

- DIFFUSER LOCATIONS.
- LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.

- I. THE FOLLOWING GUIDELINES MUST BE FOLLOWED FOR THE DOMESTIC DRYER
- CONSTRUCTED OF METAL A MINIMUM OF 28 GAGE.
- J.C. DUCTS SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN
- J.D. DUCTS SHALL NOT BE JOINED WITH SCREWS OF SIMILAR FASTENERS THAT
- J.E. PROTECTIVE SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS FROM FINISH OR OTHER WORK ARE LIKELY TO PENETRATE THE CLOTHES DRYER EXHAUST DUCT. SHIELD PLATES SHALL BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 1-1/4 INCHES SHIELD PLATES SHALL BE CONSTRUCTED OF STEEL, HAVE A THICKNESS OF 0.062 INCHES, AND EXTEND NOT LESS THAN 2 INCHES ABOVE SOLE PLATES
- TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT ACCORDANCE WITH UL 2158A. TRANSITION DUCTS SHALL BE NOT GREATER
- J.H. PROVIDE A PERMANENT LABEL OR TAG (EQUAL TO DRYERPLACARD) INDICATING ACTUAL EQUIVALENT LENGTH OF EXHAUST DUCT. LENGTH LENGTH SHALL BE 2'-6" FOR A RADIUS MITERED 45-DEGREE ELBOW AND 5

SYMBOLS LEGEND — HVAC			
T	THERMOSTAT		
\boxtimes	CEILING DIFFUSER		
→	SIDE WALL GRILL		
-\-	RETURN WALL GRILL		
€\-	AIR FLOW DIRECTION		
14x10	DUCTWORK		
\boxtimes	TYPICAL SUPPLY DUCT DN		
	TYPICAL RETURN DUCT DN		
\square	TYPICAL EXHAUST DUCT		
ررد	TURNING VANES		
	FLEXIBLE DUCT, 8'-0" LONG MAX.		
<u> </u>	TYPICAL ROUND DUCT DN		
	ROUND DUCT UP		
	MVD MANUAL VOLUME DAMPER		
	DROPPED CEILING/SOFFIT		

Job No: 22042

202 **W**

SEVERT

E-77755

Progress Dates

Revisions

Checked By: SSS

ENGINEERED

TEAMWORK • COLLABORATION

SHARED SUCCESS 515 Monmouth Street, Suite 204 Newport, KY 41071 (859) 261-0585

MEP Consulting Services, Inc. in OH

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Drawn by: RPG

05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	MODEL	NOTE 1
DTG-1	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	18x12	16x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
DTG-1C	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	18x12	16x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
EVH-4	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	6x7	4Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD. 1/4 INCH INSECT SCREEN.
EVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED EXHAUST VENT.	8x9	6Ø	FAMCO SDWVP	BACKDRAFT DAMPER/ANGLED HOOD. 1/4 INCH INSECT SCREEN.
FR-5	FLOOR REGISTER, ALL-STEEL CONSTRUCTION, 75% FREE AREA, TOE-OPERATED VALVE CONTROL	12x8	10x6	HART AND COOLEY/ 210	GOLDEN SAND ENAMEL FINISH
FRG-3	RETURN AIR FILTER GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	32x14	30x12	HART AND COOLEY/ 265	GOLDEN SAND ENAMEL FINISH
IVH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED INTAKE VENT.	8x9	6Ø	FAMCO SWVP	ANGLED HOOD.1/4 INCH INSECT SCREEN.
RG-8	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	22x16	20x14	HART AND COOLEY/ 650	BRIGHT WHITE FINISH
RR-1	STEEL RETURN GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	8x8	6x6	TITUS 350RL	STEEL OPPOSED-BLADE DAMPER OPERABLE FROM THE FACE OF THE GRILLE.
SDG1W-1	ALUMINUM SINGLE DEFLECTION SPIRAL DIFFUSER	12x5	10x3	HART AND COOLEY/ SV	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SDG2W-3	ALUMINUM DOUBLE DEFLECTION SPIRAL DIFFUSER	14x6	12x4	HART AND COOLEY/ SVH	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SR1W-1C	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	10x6	8x4	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1W-4	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	12x8	10x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1W-5	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH
SR1WS-1	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	10x8	8x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH
SR1WS-3	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	18x8	16x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH
SR2W-2	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	12x6	10x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH
SR2W-7	STEEL 2-WAY REGISTER, MS DAMPER,	18x10	16x8	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT

UNOCCUPIED LANDLORD ACCESS ONLY

WHITE FINISH

STAIRHALL 400

1/3" FIN SPACING

- ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. SLOPE PIPE A MINIMUM OF 1/8" PER FOOT AWAY FROM UNIT.
 ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES RECOMMENDATIONS.
- 3. RETURN DUCT UP TO FIRST FLOOR.
 4. SUPPLY DUCT UP TO FIRST FLOOR.

O (9)

UNOCCUPIED LANDLORD ACCESS ONLY

(402)

- 5. ALL BASEMENTS SHALL BE VENTILATED AS STORAGE/WAREHOUSE SPACE IN ACCORDANCE WITH TABLE 403.3 OF THE 2017 OHIO MECHANICAL CODE AT A RATE OF 0.06 CFM PER SQUARE FOOT. PROVIDE NEW FAN IN BASEMENT FOR CODE MINIMUM OSA LISTED ABOVE.
- 6. FRESH AIR INTAKE THRU WALL TO WALL CAP.
- FRESH AIR INTAKE THRU WALL TO WALL CAP.
 UNDERCUT DOOR 1" ABOVE FINISHED FLOOR FOR RETURN/ MAKE UP AIR.
 ROUTE EXHAUST TO EXTERIOR WALL. INSTALL A LOUVERED VENT. SEE ARCHITECT BEFORE PENETRATION FOR EXACT LOCATION AND COLOR COORDINATION. ALL EXHAUST SHALL MEET THE FOLLOWING REQUIREMENTS.
- 8.1. 3' FROM PROPERTY LINE.
- 8.2. 3' FROM OPERABLE OPENINGS INTO BUILDING.8.3 10' FROM MECHANICAL AIR INTAKE
- DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP.
 4" EXHAUST DUCT TO BE ROUTED DIRECTLY TO ROOF, AS ALLOWED PER
- 717.6.1 EXCEPTION. DUCT MUST BE MINIMUM 26 GA. AND BE CONTAINED WITHIN WALL CAVITY FOR FULL LENGTH. FIRE CAULK AROUND ALL PENETRATIONS. REFER TO DETAIL.

 11. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL
- 12. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN BASEMENT. SLOPE PIPE A MINIMUM OF 1/8" PER FOOT AWAY FROM UNIT. PROVIDE CONDENSATE PUMP AS REQUIRED.
- 13. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL LINE-SET COVERS FOR ALL EXPOSED REFRIGERANT PIPING AND CONDENSATE PIPING.
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- FOR DETAILS.

 16. MECHANICAL CONTRACTOR TO COORDINATE DUCT ROUTING WITH PLUMBING CONTRACTOR.

MECHANICAL SCOPE OF WORK (PLAN REVIEW ONLY)

MECHANICAL SCOPE OF WORK IS TO PROVIDE NEW HVAC EQUIPMENT TO RESIDENTIAL AND COMMERCIAL SPACES. MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAWING, ETC. TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.

HVAC DESIGN CONDITIONS

Ш	COMMERCIAL		<u>RESIDENTIAL</u>		
- 113	COOLING OUTDOOR: 93 DB / 75 WB INDOOR: 72	HEATING OUTDOOR: 0 DB INDOOR: 70	COOLING OUTDOOR: 93 DB / 75 WB INDOOR: 75	HEATING OUTDOOR: 0 INDOOR: 70	

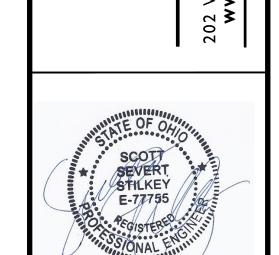
GENERAL NOTES

- A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL
- B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
- C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
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- E. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, AND FINAL CEILING DIFFUSER LOCATIONS.
- F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.
- G. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED FLOOR/CEILING.
- H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN.
 PROVIDE MINIMUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION
 307.2.2 OF THE OHIO MECHANICAL CODE.
- I. MOUNT THERMOSTATS 60" ABOVE FINISHED FLOOR. MOUNT THERMOSTATS IN ADA UNITS 40" ABOVE FINISHED FLOOR.
- J. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING CONTRACTORS.
- K. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABLED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- J. THE FOLLOWING GUIDELINES MUST BE FOLLOWED FOR THE DOMESTIC DRYER EXHAUST SYSTEMS.
- J.A. EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND BE CONSTRUCTED OF METAL A MINIMUM OF 28 GAGE.
- J.B. DUCT SIZE SHALL BE 4 INCHES NOMINAL DIAMETER.

 J.C. DUCTS SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN
- J.C. DUCTS SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN PLACE. THE INSERT END OF THE DUCT SHALL EXTEND INTO THE ADJOINING DUCT OR FITTING IN THE DIRECTION OF AIRFLOW.
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- J.E. PROTECTIVE SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS FROM FINISH OR OTHER WORK ARE LIKELY TO PENETRATE THE CLOTHES DRYER EXHAUST DUCT.SHIELD PLATES SHALL BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 1-1/4 INCHES BETWEEN THE DUCT AND THE FINISHED FACE OF THE FRAMING MEMBER. SHIELD PLATES SHALL BE CONSTRUCTED OF STEEL, HAVE A THICKNESS OF 0.062 INCHES, AND EXTEND NOT LESS THAN 2 INCHES ABOVE SOLE PLATES AND BELOW TOP PLATES.
- J.F. TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT SYSTEM SHALL BE A SINGLE LENGTH THAT IS LISTED AND LABELED IN ACCORDANCE WITH UL 2158A. TRANSITION DUCTS SHALL BE NOT GREATER THAN 8 FEET IN LENGTH AND SHALL NOT BE CONCEALED WITHIN CONSTRUCTION.
- J.G. PROVIDE DRYER WALL BOX EQUAL TO DUNDAS JAFINE MODEL DRB4XZW NEAR DRYER.
- J.H. PROVIDE A PERMANENT LABEL OR TAG (EQUAL TO DRYERPLACARD)
 INDICATING ACTUAL EQUIVALENT LENGTH OF EXHAUST DUCT. LENGTH
 SHALL INCLUDE 5' FOR 90 . LABEL/TAG MUST BE WITHIN 6' OF DRYER
 EXHAUST CONNECTION. DRYER EXHAUST DUCT FITTING EQUIVALENT
 LENGTH SHALL BE 2'-6" FOR A RADIUS MITERED 45-DEGREE ELBOW AND 5
 FEET FOR A RADIUS MITERED 90-DEGREE ELBOW.

EGEND — HVAC					
THERMOSTAT					
CEILING DIFFUSER					
SIDE WALL GRILL					
RETURN WALL GRILL					
AIR FLOW DIRECTION					
DUCTWORK					
TYPICAL SUPPLY DUCT DN					
TYPICAL RETURN DUCT DN					
TYPICAL EXHAUST DUCT					
TURNING VANES					
FLEXIBLE DUCT, 8'-0" LONG MAX.					
TYPICAL ROUND DUCT DN					
ROUND DUCT UP					
MVD MANUAL VOLUME DAMPER					
DROPPED CEILING/SOFFIT					





Progress Dates

05/05/2023 BID P/E/FP
08/30/2024 BID SET 2

Revisions

Checked By: SSS

Drawn by: RPG



TEAMWORK • COLLABORATION
SHARED SUCCESS
515 Monmouth Street, Suite 204
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MEP Consulting Services, Inc. in OH

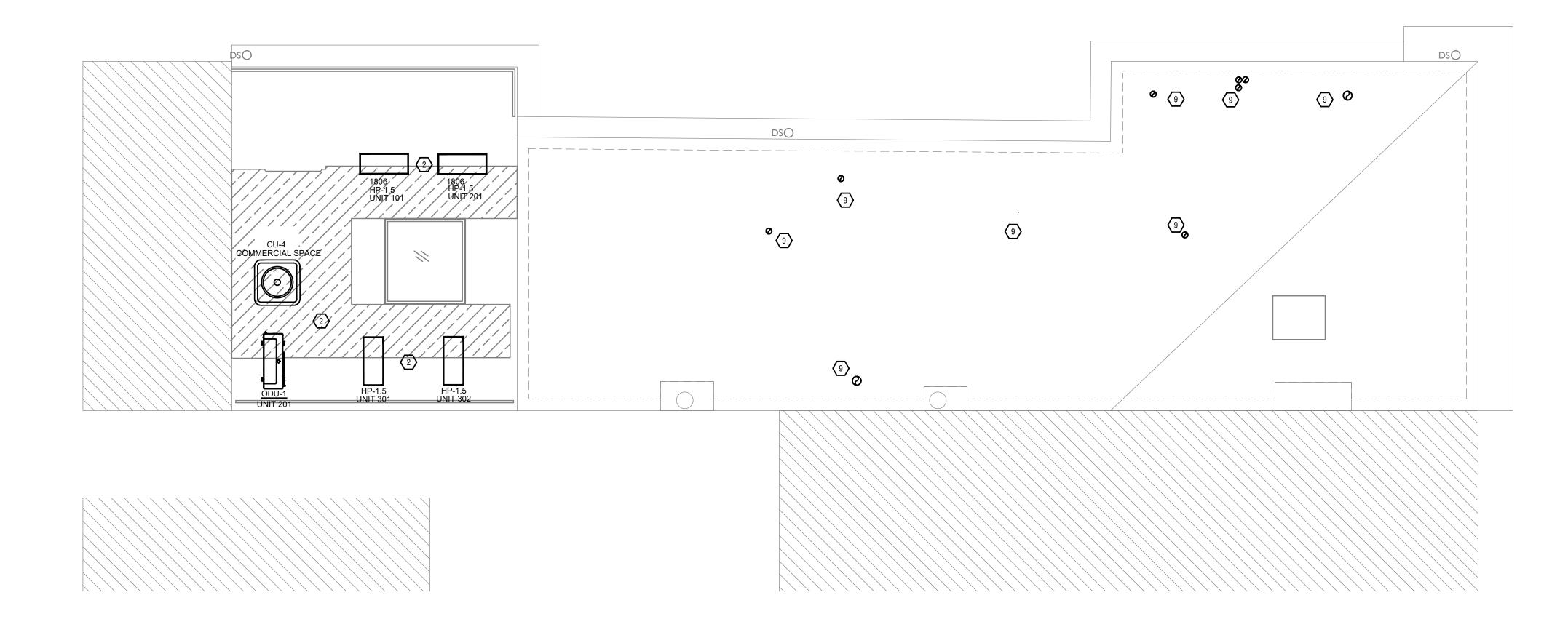
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807 VINE ST.

Job No: 22042 8/10/2022

MI.04



18x10

16x8

HART AND COOLEY/ 661

SR2W-7

STEEL 2-WAY REGISTER, MS DAMPER,

1/3" FIN SPACING

HVAC DESIGN CONDITIONS

RESIDENTIAL COOLINGHEATINGCOOLINGHEATINGOUTDOOR: 93 DB / 75 WBOUTDOOR: 0 DBOUTDOOR: 93 DB / 75 WBOUTDOOR: 0 DB INDOOR: 70 INDOOR: 75 INDOOR: 72

GENERAL NOTES

- A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL
- C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO
- D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.
- . REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, AND FINAL CEILING
- G. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED
- PROVIDE MINIMUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION 307.2.2 OF THE OHIO MECHANICAL CODE.
- MOUNT THERMOSTATS 60" ABOVE FINISHED FLOOR. MOUNT THERMOSTATS IN ADA UNITS 40" ABOVE FINISHED FLOOR.
- . ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING
- J. THE FOLLOWING GUIDELINES MUST BE FOLLOWED FOR THE DOMESTIC DRYER
- J.A. EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND BE
- J.B. DUCT SIZE SHALL BE 4 INCHES NOMINAL DIAMETER.
- PLACE. THE INSERT END OF THE DUCT SHALL EXTEND INTO THE ADJOINING DUCT OR FITTING IN THE DIRECTION OF AIRFLOW.
- PROTRUDE MORE THAN \$\frac{1}{6}\$ INCH INTO THE INSIDE OF THE DUCT.
- J.E. PROTECTIVE SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS FROM FINISH OR OTHER WORK ARE LIKELY TO PENETRATE THE CLOTHES DRYER EXHAUST DUCT.SHIELD PLATES SHALL BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 1-1/4 INCHES BETWEEN THE DUCT AND THE FINISHED FACE OF THE FRAMING MEMBER. SHIELD PLATES SHALL BE CONSTRUCTED OF STEEL, HAVE A THICKNESS OF 0.062 INCHES, AND EXTEND NOT LESS THAN 2 INCHES ABOVE SOLE PLATES AND BELOW TOP PLATES.
- SYSTEM SHALL BE A SINGLE LENGTH THAT IS LISTED AND LABELED IN THAN 8 FEET IN LENGTH AND SHALL NOT BE CONCEALED WITHIN CONSTRUCTION.

SYMBOLS L	SYMBOLS LEGEND - HVAC				
T	THERMOSTAT				
	CEILING DIFFUSER				
→	SIDE WALL GRILL				
←√-	RETURN WALL GRILL				
← _	AIR FLOW DIRECTION				
14x10	DUCTWORK				
\boxtimes	TYPICAL SUPPLY DUCT DN				
	TYPICAL RETURN DUCT DN				
N.	TYPICAL EXHAUST DUCT				
ررد	TURNING VANES				
2 ~~~	FLEXIBLE DUCT, 8'-0" LONG MAX.				
<u> </u>	TYPICAL ROUND DUCT DN				
	ROUND DUCT UP				
	MVD MANUAL VOLUME DAMPER				
	DROPPED CEILING/SOFFIT				



MECHANICAL SCOPE OF WORK (PLAN REVIEW ONLY)

MECHANICAL SCOPE OF WORK IS TO PROVIDE NEW HVAC EQUIPMENT TO RESIDENTIAL AND COMMERCIAL SPACES. MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAWING, ETC. TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.

ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL CLOSET. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT.

SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES

RECOMMENDATIONS.

RETURN DUCT UP TO FIRST FLOOR.

SUPPLY DUCT UP TO FIRST FLOOR.

CODE MINIMUM OSA LISTED ABOVE.

8.3 10' FROM MECHANICAL AIR INTAKE

PENETRATIONS. REFER TO DETAIL.

8.1. 3' FROM PROPERTY LINE.

PUMP AS REQUIRED.

FOR DETAILS.

CONTRACTOR.

ADJUSTABLE DAMPER IN FACE, BRIGHT

WHITE FINISH

FRESH AIR INTAKE THRU WALL TO WALL CAP.

8.2. 3' FROM OPERABLE OPENINGS INTO BUILDING.

9. DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP.

ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING

ALL BASEMENTS SHALL BE VENTILATED AS STORAGE/WAREHOUSE SPACE IN

ACCORDANCE WITH TABLE 403.3 OF THE 2017 OHIO MECHANICAL CODE AT A

RATE OF 0.06 CFM PER SQUARE FOOT. PROVIDE NEW FAN IN BASEMENT FOR

COORDINATION. ALL EXHAUST SHALL MEET THE FOLLOWING REQUIREMENTS.

UNDERCUT DOOR 1" ABOVE FINISHED FLOOR FOR RETURN/ MAKE UP AIR.

ROUTE EXHAUST TO EXTERIOR WALL. INSTALL A LOUVERED VENT. SEE

ARCHITECT BEFORE PENETRATION FOR EXACT LOCATION AND COLOR

10. 4" EXHAUST DUCT TO BE ROUTED DIRECTLY TO ROOF, AS ALLOWED PER 717.6.1 EXCEPTION. DUCT MUST BE MINIMUM 26 GA. AND BE CONTAINED

1. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL

12. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN BASEMENT. SLOPE

PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. PROVIDE CONDENSATE

B. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL LINE-SET COVERS FOR

AROUND JOIST TO PREVENT FIRE DAMPER. REFER TO ARCHITECTURAL PLANS

6. MECHANICAL CONTRACTOR TO COORDINATE DUCT ROUTING WITH PLUMBING

5. ROUTE EXHAUST DUCT UP IN JOIST POCKET. RATING SHALL BE MAINTAINED

WITHIN WALL CAVITY FOR FULL LENGTH. FIRE CAULK AROUND ALL

ALL EXPOSED REFRIGERANT PIPING AND CONDENSATE PIPING.

14. DUCTED RETURN SLEEVE TO AVOID EXPOSED WALL CAVITY.

- B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
- ALL MECHANICAL EQUIPMENT.
- DIFFUSER LOCATIONS.
- F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.
- H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN.

- K. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABLED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- EXHAUST SYSTEMS.
- CONSTRUCTED OF METAL A MINIMUM OF 28 GAGE.
- J.C. DUCTS SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN
- J.D. DUCTS SHALL NOT BE JOINED WITH SCREWS OF SIMILAR FASTENERS THAT
- J.F. TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT ACCORDANCE WITH UL 2158A. TRANSITION DUCTS SHALL BE NOT GREATER
- J.G. PROVIDE DRYER WALL BOX EQUAL TO DUNDAS JAFINE MODEL DRB4XZW NEAR DRYER.
- J.H. PROVIDE A PERMANENT LABEL OR TAG (EQUAL TO DRYERPLACARD) INDICATING ACTUAL EQUIVALENT LENGTH OF EXHAUST DUCT. LENGTH SHALL INCLUDE 5' FOR 90 . LABEL/TAG MUST BE WITHIN 6' OF DRYER EXHAUST CONNECTION. DRYER EXHAUST DUCT FITTING EQUIVALENT LENGTH SHALL BE 2'-6" FOR A RADIUS MITERED 45-DEGREE ELBOW AND 5 FEET FOR A RADIUS MITERED 90-DEGREE ELBOW.

SYMBOLS LE	EGEND — HVAC
(T)	THERMOSTAT
\boxtimes	CEILING DIFFUSER
→	SIDE WALL GRILL
\	return wall grill
~ \	AIR FLOW DIRECTION
14x10	DUCTWORK
\boxtimes	TYPICAL SUPPLY DUCT DN
	TYPICAL RETURN DUCT DN
N	TYPICAL EXHAUST DUCT
ررد	TURNING VANES
\boxtimes ~~	FLEXIBLE DUCT, 8'-0" LONG MAX.
<u> </u>	TYPICAL ROUND DUCT DN
	ROUND DUCT UP
	MVD MANUAL VOLUME DAMPER
	DROPPED CEILING/SOFFIT

Job No: 22042

202 *****

SEVERT STILKEY

E-77755

Progress Dates

Revisions

Checked By: SSS

ENGINEERED

TEAMWORK • COLLABORATION

SHARED SUCCESS

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Drawn by: RPG

05/05/2023 BID P/E/FP

08/30/2024 BID SET 2

ACCESSORIES:

1 EXTERNAL TRAP KIT
2 CONDENSATE NEUTRALIZER KIT
3 CONCENTRIC VENT KIT

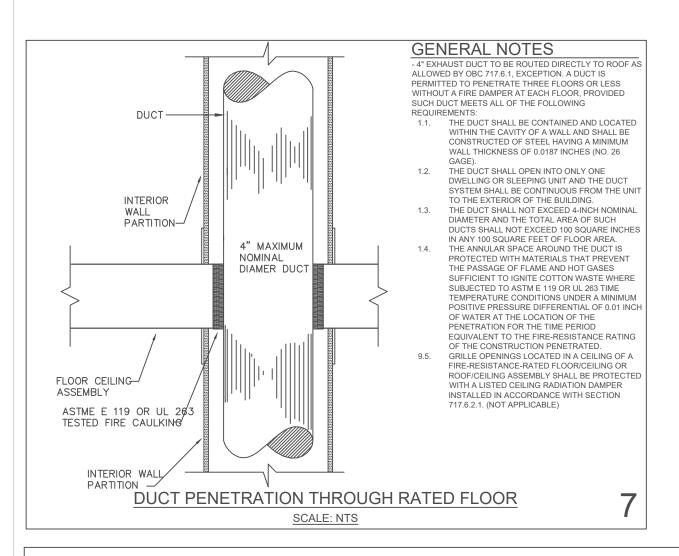
4 TWINING KIT LOW AMBIENT:

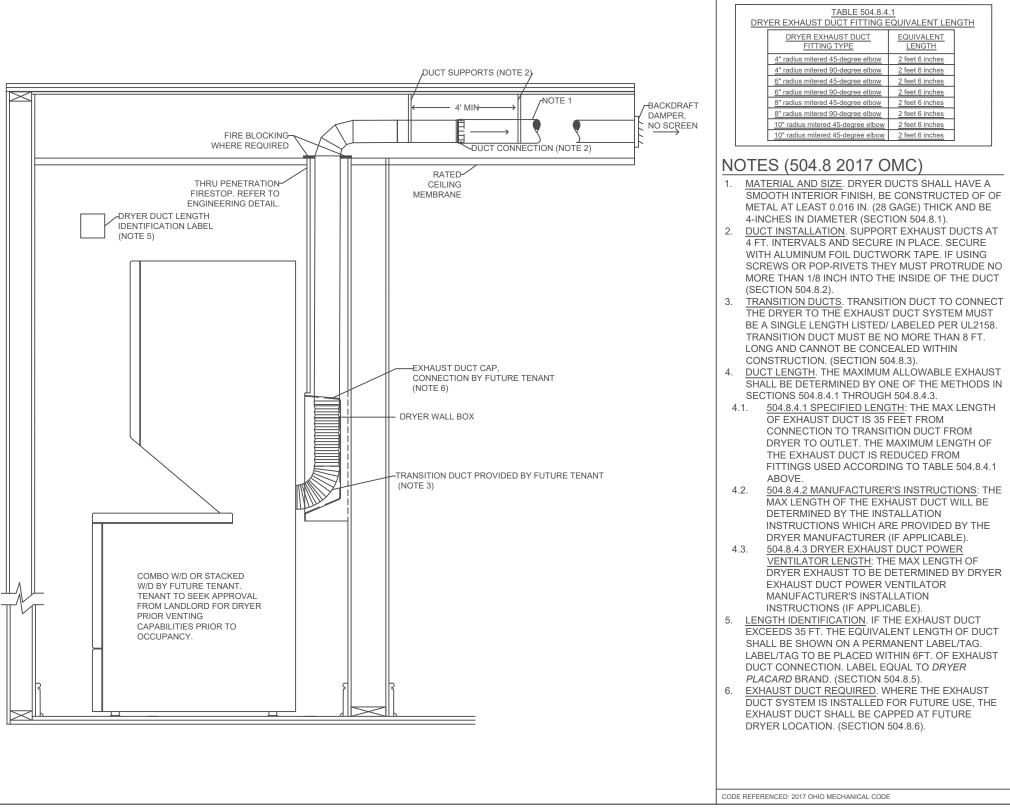
5 CRANKCASE HEATER
6 EVAPORATOR FREEZE THERMOSTAT
7 WINTER START KIT
8 HARD START KIT
9 LOW AMBIENT PRESSURE SWITCH
10 LOW PRESSURE SWITCH

10 LOW PRESSURE SWITCH LONG LINE APPLICATIONS
11 CRANKCASE HEATER

12 HARD START KIT

ASTME E 119 OR UL 263 TESTED FIRE CAULKING PIPE ASTME E 119 OR UL 263 TESTE FIRE CAULKING	GENERAL NOTES - WHERE PENETRATING ITEMS ARE STEEL, FERROUS OR COPPER PIPES, TUBES OR CONDUITS, THE ANNULAR SPACE BETWEEN THE PENETRATING ITEM AND THE FIRE-RESISTANCE-RATED WALL SHALL BE PROTECTED AS FOLLOWS: 1. IN CONCRETE OR MASONRY WALLS WHERE THE PENETRATING ITEM IS A MAXIMUM 6" NOMINAL DIAMETER AND THE AREA OF THE OPENING THROUGH THE WALL DOES NOT EXCEED 144 SQUARE INCHES, CONCRETE, GROUT OR MORTAR IS PERMITTED WHERE IT IS INSTALLED THE FULL THICKNESS OF THE WALL OR THE THICKNESS REQUIRED TO MAINTAIN THE FIRE-RESISTANCE RATING. 2. THE MATERIAL USED TO FILL THE ANNULAR SPACE SHALL PREVENT THE PASSAGE OF FLAME AND HOT GASES SUFFICIENT TO IGNITE COTTON WASTE WHEN SUBJECTED TO ASTM E 119 OR UL 263 TIME-TEMPERATURE FIRE CONDITIONS UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WATER AT THE LOCATION OF THE PENETRATION FOR THE TIME PERIOD EQUIVALENT TO THE FIRE-RESISTANCE RATING OF THE CONSTRUCTION PENETRATED.
PIPE PENETRATION THRO	DUGH RATED WALLS Q
SCALE: N	TS O





DRYER EXHAUST DUCT DETAIL

		DUCT INS	ULATION	SCHEDULE
		А	IR DISTRIBU	TION TYPE
		SA	RA	ADDITIONAL NOTES
EQUIPMENT	AHU-A-1.5	R-3.5	N/A	-
EQ	GF-4	R-3.5	N/A	-

DUCT INSULATION REQUIREMENTS ARE BASED ON TABLE 6.8.2B OF ASHRAE 90.1 2010 ENERGY CODE. PROVIDE DUCTWORK OF SUFFICIENT THICKNESS TO MEET THE INSTALLED R-VALUE REQUIREMENTS LISTED ABOVE.

ITEMS NOT REQUIRED TO BE INSULATED: FIBROUS-GLASS DUCTS, DUCTS WITH LINER THAT MEETS ASHRAE 90.1, FACTORY-INSULATED FLEXIBLE DUCTS, FACTORY-INSULATED PLENUMS AND CASINGS, FLEX CONNECTORS, VIBRATION-CONTROL DEVICES, FACTORY-INSULATED ACCESS PANELS AND DOORS.

COMMON AREAS:MECHANICAL VENTILATION CALCULATION
SCHEDULE * (ASHRAE 62.1 LEED PURPOSES ONLY)

SCHEDULE * (ASHRAE 62.1 LEED PURPOSES ONLY)										
UNIT	AREA (SQ. FT.)	VENT. AIR REQ. CFM	ACTUAL WHOLE BUILDING VENTILATION							
ENTRY/STAIRWELL/CORRIDOR	321	19	30							

		NA I	URAL VENT	ILATION SC	HEDULE								
1807 - VINE													
UNIT	T ROOM NAME		DOOR OPENABLE AREA [SQ. FT]	WINDOW OPENABLE AREA [SQ. FT]	UNOBSTRUCED OPENING	TOTAL OPENABLE AREA	4% OF FLOOR AREA	8% C					
COMMERCIAL	COMMERCIAL	945	42	0	N/A	42	38	N/A					
201	LIVING/BEDROOM	267	0	33	N/A	33	11	N/A					
202	LIVING/BEDROOM	203	0	36	N/A	36	8	N/A					
301	LIVING/BEDROOM	267	0	33	N/A	33	11	N/A					
302	LIVING/BEDROOM	203	0	36	N/A	36	8	N/A					
401	LIVING/BEDROOM	267	0	33	N/A	33	11	N/A					
402	LIVING/BEDROOM	203	0	36	N/A	36	8	N/A					

NATURAL VENTILATION CALCULATIONS PER SEC 402.1 OF 2017 OMC

NATURAL VENILATION OF THE OCCUPIED SPACE SHALL BE THROUGH WINDOWS, DOORS, OR OTHER OPENINGS TO THE SPACE. THE OPERATING MECHANISIM FOR SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS SO THAT THE OPENINGS ARE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS.

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3.1.1	MC 2017 TABLE 403	CULATIONS PER O	*VENTILATION CAL	
	EDULE	SETTING SCH	THROOM FAN SPEED	ВА
	MAXIMUM SPEED	MINIMUM SPEED	ROOMNAME	PICAL
	SETTING	SETTING	NOOMINAME	JNIT
	80	30	BATHROOM	201
	80	30	BATHROOM	301
	80	30	BATHROOM	302
-		-	-	

٥. ا	.1												
	RESIDENTIAL UNITS: MECHANICAL VENTILATION CALCULATION SCHEDULE * (ASHRAE 62.2 LEED PURPOSES ONLY)												
	UNIT	AREA (SQ. FT.)	NUMBER OF BEDROOMS	VENT. AIR REQ. Qfan (Eq. 4.1a)	ACTUAL WHOLE BUILDING VENTILATION								
	201	708	1	22	30								
	301	345	1	18	30								

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	FAN SCHEDULE														
TAG	TYPE	AREA SERVED	MANUFACTURER	MODEL	DRIVE	CFM	ESP	WATTS	RPM	VOLT/PHASE	MOUNTING	WEIGHT	NOTES		
E-1	EXHAUST	TYPICAL RESTROOM	PANASONIC	FV-0511VKS2	DIRECT	30,40-80	0.25	17	1131	115/60/1	CEILING	12	1,2,3,4		
E-2	EXHAUST	STAIRWELL	PANASONIC	FV-0511VKS2	DIRECT	30	0.25	17	1131	115/60/1	CEILING	12	2,3,4,5		
E-3	EXHAUST	RESTROOM	PANASONIC	FV-05-11VQ1	DIRECT	83	0.25	10.8	1185	115/60/1	CEILING	12	2		

1. FAN SHALL RUN CONTINUOUSLY AT LOW SPEED (30/40 CFM) AND SHALL RAMP UP TO HIGH SPEED (80 CFM) WHEN SWITCH IS TURNED ON. PROVIDE ALL RELEVANT ACCESSORIES.

2. INSTALL RADIATION DAMPER PC-RD05C5

3. PROVIDE FV-CSVK1 CONDESNSATION SENSOR

4. REFER TO FAN SPEED SCHEDULE FOR FAN SPEED SETTINGS

5.. FAN SHALL RUN CONTINUOUSLY AT LOW SPEED (30 CFM)

	MECHANICAL EXHAUST SCHEDULE - 2017 OHIO MECHANICAL CODE													
						FIXT	JRES		TOTAL	TOTAL				
ROOM NUMBER/UNIT TYPICAL	ROOMNAME	OCCUPANCY CLASSIFICATION	AREA (ft2)		EXHAUST RATE PER FIXTURE (CFM)	LOWER CONTINUOUS RATE?	HIGHER INTERMITTENT RATE?	QTY. OF FIXTURES	EXHAUST AIRFLOW REQ. (CFM)	EXHAUST AIRFLOW ACT. (CFM)				
	RESTROOM	PUBLIC SPACES - TOILET ROOM	-	-	50/70	NO	YES	1	70	83				
	BATHROOM	PRIVATE DWELLING - TOILET ROOMS	-	-	30/80	YES	NO	1	30	80				

*EXHAUST CALCULATIONS PER OMC 2017 TABLE 403.3.1.1

	HEATERS													
TAG	TYPE	AREA SERVED	MANUFACTURER	MODEL	HEAT-MBH	FUEL	HEAT-KW	VOLT/PHASE	FLA	MOUNTING	WEIGHT	NOTES		
DH-1	DUCT HEATER	REFER TO PLANS	HOTPOD	HP6-1000120-2T	3.4	ELECTRIC	1	120/1/60		INLINE	7	3,4		
H-1	WALL HEATER	REFER TO PLANS	BERKO	FRA4020	6.8	ELECTRIC	2	208/1/60		IN WALL	30	1,2		
H-3	BASEBOARD	REFER TO PLANS	BERKO	2542W	1	ELECTRIC	0.3	208/1/60		BASEBOARD	30	2		

1. SEMI-RECESSED MOUNTING SLEEVE.
2. INTEGRAL THERMOSTAT

DUCT STAT INCLUDED
 REPLACEABLE FILTER INCLUDED

			DEH	IUMIDIFIER S	R SCHEDULE						
TAG	AREA SERVED	MANUFACTURER	MODEL	CAPACITY - PINTS/24 HR	- AMPS		E VOLT/PHASE MOUNTING WEIGH			NOTES	
DE-1	BASEMENT	APRILAIRE	1850	95	8	15	120/1	FLOOR	70	1,2,3,4	

ENERGY STAR RATED.
 DEHUMIDICATION COLTROL
 CORD AND PLUG CONNECTION.

4. PROVIDE LOW PROFILE CONDENSATE PUMP

	INDOOR SPLIT SYSTEM SCHEDULE										
TAG	AREA SERVED	MANUFACTURER	MODEL	COOLING CAPACITY BTH/H	HEATING CAPACITY BTH/H	CFM	ESP	VOLT/PHASE	AMPS	WEIGHT	NOTE
IDU-1	REFER TO	LG	LMN079HVT	7,000	8,100	254/204/148	-	208-230/1	0.4	19	1,3

		DIVAVVIIVOO													
	1. WIRED	REMOTE CONTROI	LER PREMTA200	(7-DAY PRO	GRAMMAB	LE)			•	·					
					OUTE	OOR MI	NI SPLIT S	SYSTEM SCHE	DULE						
TAG	AREA SERVED	MANUFACTURER	MODEL	CLG-MBH	NOMINAL TONS	MIN SEER	HEAT-MBH	COOLING OPERATING RANGE (F)	HEATING OPERATING RANGE (F)	VOLT/PHASE	MCA	МОСР	REFRIGERANT	WEIGHT	NOTES
ODU-1	REFER TO DRAWINGS	LG	LMU240HHV	24	2	20.5	26	14~118	-13~75	208-230/1	19	30	R410A	152	1-4

PROVIDE ADJUSTABLE EQUIPMENT SUPPORTS
 LOW AMBIENT WIND BAFFLE

3. PROVIDE/INSTALL PRE-FABRICATED HONEYWELL JACKETED METAL CLAD MINI-SPLIT CABLE FOR INDOOR/OUTDOOR UNIT CONNECTION

									APARTMEI	NT SPL	IT SYSTI	EM SCH	EDULE										
System	Outdoor Unit Tag	Model	Volts	Phase	MCA	МОСР	Outdoor Unit Weight	Indoor Unit Tag	Indoor Coil	Static	Air Flow CFM	Cool Cap Total	Cool Cap Sens	SEER	EER	Elect Heat Kw (240)	Elect Heat Kw (208)	Htg Cap 47 deg	Htg Cap 17 deg	HSPF	MCA	МОСР	Indoor Unit Weight
					Amps	Amps	lb			in wg.	cfm	Btuh	Btuh			kW	kW	Btuh	Btuh		Amps	Amps	lb
								AHU-A-1.5															1
1.5 Ton 8KW	HP-1.5	DLCSRBH18AAK	208/230) 1	16	25	101	(10KW)	FMA4X1800AL	0.50	650	18000	12690	17	11.8	8	5.6	19,200	15,000	11	47.6	60	103
**Requires Pipin	g Adaptor Kit 117	'4192 and 24V inte	erface K	SAIC040	1230								•										

MECHANICAL DETAILS

PLAI | F architecture + design

SCOTT SEVERT STILKEY E-77755 COISTERE

Progress Dates

05/05/2023 BID P/E/FP
08/30/2024 BID SET 2

Revisions

Checked By: SSS

Drawn by: RPG



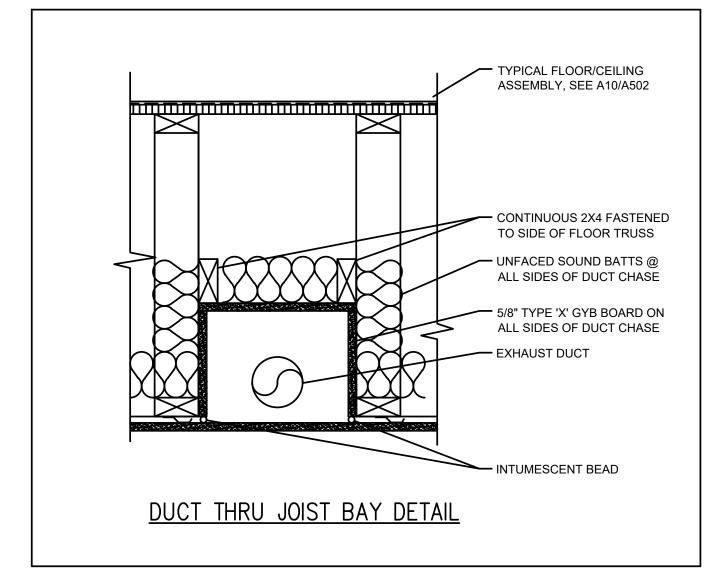
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ENOVATION FOR 807 VINE ST. INCINNATI, OH, 45202

Job No: 22042 8/10/2022

M2 00



MECHANICAL SPECIFICATIONS

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.

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

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

•Diffusers, registers, grilles, dampers, louvers, and all sheet metal accessories

•Temperature controls

Sheet metal coordination drawings

 Duct Sealants 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

b. The mechanical contractor shall be responsible for creating record drawings in a format agreed upon by 3CDC, ZHx, and the contracting parties.

a. All mechanical systems shall be tested for proper operation.

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

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.

Warranty

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 work promptly and without charge to the owner. b. Restore any other existing work damaged in the course of repairing defective equipment, materials and workmanship.

17. Mechanical Work 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 applicable code. 18. Owner's Instructions a. Provide two sets of complete operating and maintenance instructions with drawings, typewritten instructions and operating

sequences and descriptive data sheets. Assemble each set in a hard-bound cover. Provide pdf files of all documentation. 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. Mechanical Contractor to provide a new set of filters in all HVAC units

prior to turnover. 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, ductwork/piping, air devices, etc. 20. Sheetmetal Ductwork a. All sizes of ducts shown on the drawings are interior duct dimensions. All ductwork shall be rigid sheetmetal constructed

from galvanized sheet steel in accordance with SMACNA low velocity duct construction standards. All exposed ductwork shall be round, spiral, or rectangular lock-seam type, as shown on HVAC drawings. Assemble and install ductwork in accordance with recognized industry practice for achieving air tight (5% leakage) and noiseless (no objectionable noise) systems, capable of performing each indicated service. Furnish all required dampers, transitions, offsets, connections to air devices, and other accessories necessary for a complete operating system. Flexible ductwork shall not exceed 8'-0"

b. All 90-degree duct turns must be 1.5 radius elbows. If a 1.5 radius elbow will not fit, square elbows with turning vanes can be provided in lieu of radius but should be limited to only areas where there are space constraints.

c. All takeoff/branch ductwork must utilize boot or conical tee fittings.

21. Adhesives and Sealants

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 smoke-developed index of 50
- b. Exposed Ductwork: trim duct sealants flush with metal. Create a smooth and uniform exposed bead. Do not use two-part tape sealing system.
- c. All duct boots sealed to drywall/finished floor (any interface with another material).

22. Duct Supports

a. Furnish and install hot-dipped galvanized steel fasteners, hangers, anchors, rods, straps, trim, and angles for support of

23. Flexible Connections

a. Furnish and install neoprene flexible duct connections at the inlet and discharge of units and fans.

24. Duct Manual Volume Dampers

a. Furnish and install opposed-blade, leak-proof volume control dampers where indicated on drawings and locations in supply, return and exhaust ducts where branches are taken from larger ducts or at each individual duct register in order to achieve system air balance quantities. Balancing devices must be provided in accordance with IMC 603.18. All manual volume dampers must be shown on coordination drawings when submitted for review.

25. Duct Access Doors

A. Furnish and install conveniently located duct access doors of ample size and quantity for servicing the dampers. 26. Diffusers, Grilles and Registers

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 installation in the type of ceiling and walls used in this project.

27. Exhaust Fan

A.Fan manufacturer shall be Broan, Cook, Panasonic, Greenheck, or engineered approved equal. Refer to drawings and schedules for unit location, technical data, and any applicable accessories.

a. Split systems shall consist of high efficient air handling unit and associated heat pump. Equipment shall have manufacturer's

b. Split system manufacturer shall be Tempstar, Carrier, Goodman, or engineered equal.

29. Indoor Furnace

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,

30. Condensate Drain Piping

28. Ducted Split Systems

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 CPVC pipe with solvent weld fittings [Insulate condensate walls of pipe with Armaflex AP, flexible closed cell elastomeric foam, self-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 equipment if the condensate

B. All cooling equipment shall have a wet switch in the primary drain line, the overflow drain 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 the condensate is clogged.

31. Piping Supports (Metal Pipe)

A.Furnish and install hot-dipped galvanized steel fasteners, hangers, anchors, rods, straps, trim and angles for support of

32. Piping Supports (Plastic Pipe)

A. Furnish and install hangers for plastic piping per manufacturer's requirements.

33. Temperature Controls and Control Wiring

A. The mechanical contractor shall provide all control wiring necessary for the complete and proper operating temperature

control system. Programmable thermostats shall be provided with equipment packages unless otherwise noted. B. Exposed wiring: All wiring exposed to the space shall be run in conduit. Coordinate requirements with architectural

34. Commissioning

a. 3CDC has hired ZHCx to act as their commissioning provider. The commissioning process will be implemented on the

b. ZHCx will conduct onsite observations throughout construction. ZHCx shall be notified prior to any ductwork being c. ZHCx shall be notified prior to any equipment start up. ZHCx will witnedd start up of all split systems. If a start up occurs

without notifying ZHCx the responsible contractor is required to perform another start up in the presence of ZHCx. d. ZHCx will conduct functional performance testing on all HVAC equipment. Any findings will be reported to 3CDC, project

architect, mechanical contractor, and the engineer of record. The responsible party is required to document the correction so that ZHCx can verify the correction has been made. ZHCx will perform one back check of the correction to ensure it has been implemented in its entirety.

35. Sequence of Operation

•H-X: heater shall be controlled from the integral thermostat. When the temperature of the space drops below the thermostat setpoint, the heater fan shall run and the electric heating element shall engage to maintain temperature

Exhaust Fans •E-X: exhaust fan shall run on a wall switch (provided by the electrical contractor).

•Split Systems

Dehumidifier

dehumidifier shall shut off.

●DFH-1

• AHU/HP-1.5:

•Heating mode - indoor air handler shall be controlled from a thermostat in the space. When the thermostat calls for heating the fan shall run and the heat pump in heating mode shall run to maintain temperature setpoint. If the heat pump cannot maintain temperature in the space, the electric heat kit shall energize until set point is reached. When the setpoint is reached the unit shall shut off.

• Cooling mode - when the thermostat calls for cooling the heat pump unit shall run in cooling mode, the air handler fan shall run, and the dx cooling coil shall cool the air to maintain temperature setpoint.

•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 the unit shall shut off.

• 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 temperature setpoint. •IDU/ODU-1:

• Heating mode - indoor unit shall be controlled from a thermostat in the space. When the thermostat calls for heating the fan shall run and the heat pump in heating mode shall run to maintain temperature setpoint. • Cooling mode - when the thermostat calls for cooling the heat pump unit shall run in cooling mode, the unit fan shall run, and the dx cooling coil shall cool the air to maintain temperature setpoint.

•Dehumidifier shall be controlled from an integral humidistat. When the humidity of the space rises above set point the

dehumidifier shall energize and begin to dehumidify the space. When the humidity setpoint is reached the

STILKEY

Progress Dates 05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

Revisions

Checked By: SSS

Drawn by: RPG



TEAMWORK • COLLABORATION SHARED SUCCESS 515 Monmouth Street, Suite 204 Newport, KY 41071 (859) 261-0585 MEP Consulting Services, Inc. in OH Copyright © 2015

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Job No: 22042 8/10/2022

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MECHANICAL DETAILS

STANDARD MOUNTING HEIGHTS

KEYED SHEET NOTES

- MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. VERIFY ELECTRICAL REQUIREMENTS WITH MECHANICAL REQUIREMENTS PRIOR TO ROUGH-IN.
- PLUMBING EQUIPMENT PROVIDED BY PLUMBING CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. VERIFY ELECTRICAL REQUIREMENTS WITH PLUMBING REQUIREMENTS PRIOR TO ROUGH-IN.
- 3. DUCTLESS INDOOR UNIT POWERED FROM OUTDOOR UNIT. CONFIRM LOCATION AND DISCONNECTING MEANS WITH INSTALLING CONTRACTOR.

PROVIDE SWITCH AND CONNECTION FOR CONTINUOUSLY RUNNING 2-SPEED

- BATHROOM FAN. VERIFY REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

 5. PROVIDE HARD-WIRED SMOKE DETECTORS WITH BATTERY BACK-UP AS
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- 5. DISHWASHER MUST BE GFCI PROTECTED PER NEC 210.8(D) RECEPTACLE SHALL BE LOCATED IN AN ACCESSIBLE LOCATION.
- . MICROWAVE RECEPTACLE LOCATED IN CABINET ABOVE, COORDINATE LOCATION WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- 8. CORRIDOR LIGHTS TO BE CONTROLLED BY OCCUPANCY SENSOR UNLESS OTHERWISE NOTED.
- LOCATION OF BUILDING UTILITY DATA DEMARC. PROVIDE A 4'X4'X\frac{3}{4}" PLYWOOD BACKBOARD FOR DATA/PHONE UTILITIES. COORDINATE ALL REQUIREMENTS WITH OWNER, ARCHITECT, AND ALTA FIBER PRIOR TO ROUGH-IN. PROVIDE
- 10. EXTERIOR LIGHTING ON PHOTOCELL. CONFIRM LOCATION OF PHOTOCELL DEVICE WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.

DEDICATED QUAD RECEPTACLE AS SHOWN.

- COORDINATE LOCATION AND REQUIREMENTS OF BUILDING CALL BOX, 2N INTERCOM SYSTEM, WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- 12. INSTALL FIOPTIC 4-GANG AND QUAD OUTLET IN CABINET ABOVE REFRIGERATOR AS SHOWN.
- 13. COORDINATE TV RECEPTACLE AND DATA LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.14. HOT WATER CIRCULATION PUMP HARDWIRED CIRCUIT CONNECTION.
- COORDINATE LOCATION WITH PLUMBING CONTRACTOR. PRIOR TO ROUGH-IN.

 15. LOCATION OF FUTURE RADON, PROVIDE JUNCTION BOX FOR FUTURE RADON FAN, FAN NOT TO BE INSTALLED AT THIS TIME.
- 16. 1806 REPUBLIC STREET MECHANICAL UNIT SHOWN FOR REFERENCE ONLY, REFER TO 1806 REPUBLIC STREET ELECTRICAL PERMIT FOR CIRCUITRY INFORMATION. BRANCH CIRCUTS INSTALLED FOR MECHANICAL UNITS ARE TO BE INSTALLED SO THEY REMAIN OUTSIDE OF THE BUILDING.

GENERAL NOTES-DWELLING UNITS

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- B. FURNISH AND INSTALL SMOKE DETECTORS AS REQUIRED BY CODE. SMOKE DETECTORS SHOWN ON EBS DRAWINGS ARE INTENDED TO CONVEY GENERAL COMPLIANCE FOR BUILDING DEPARTMENT SUBMITTALS. PROVIDE INTERWIRING BETWEEN SMOKE DETECTORS LOCATED IN THE SAME UNIT. SMOKE DETECTORS SHALL BE HARD WIRED WITH BATTERY BACK-UP. FIRE ALARM AND/OR SMOKE DETECTOR SYSTEMS ARE FURNISHED ON A DESIGN-BUILD BASIS BY THE ELECTRICIAN.
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- D. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATIONS OF ALL LIGHT FIXTURES.
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PROVIDE FLOOR RECEPTACLE WITHIN 18 INCHES OF THE BASE OF THE WALL

PROVIDE TAMPER PROOF RECEPTACLES AS REQUIRED BY NEC ART. 406.12

GENERAL NOTES-POWER

- A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT/CABLE ROUTING. COORDINATE ROUTING WITH ALL OTHER TRADES AND BUILDING CONDITIONS.
- B. SEE SINGLE LINE DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC.
- C. PROVIDE MOTOR STARTERS FOR EQUIPMENT AS INDICATED ON DRAWINGS. COORDINATE ANY INTERLOCKING WIRING WITH HVAC CONTRACTOR AND PROVIDE WIRING, COILS, AND AUXILIARY CONTACTS AS NECESSARY. SIZE ALL CIRCUITS FOR ACTUAL FOL
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 E. ROOF MOUNTED AND OUTDOOR EQUIPMENT SHALL HAVE 120V RECEPTACLE
- MOUNTED WITHIN 25' OF EACH PIECE. RECEPTACLES SHALL BE IN WEATHER PROOF BOX AND HAVE GFCI PROTECTION.

 F. FOR ITEMS FURNISHED BY OTHER TRADES, ELECTRICAL CONTRACTOR TO
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- G. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR ALL DEVICE MOUNTING HEIGHTS.
- H. 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 WITH NEC 250. GAS PIPING SYSTEMS MUST BE BONDED PER UTILITY PROVIDER'S INSTALLATION GUIDELINES WHERE REQUIRED.
- I. ELECTRICAL RECEPTACLES ON OPPOSITE SIDES OF A WALL ARE TO BE SPACED SO THAT THEIR ELECTRICAL BOX ARE A MINIMUM OF ONE STUD BETWEEN BOXES.

SCOPE OF WORK

RENOVATION OF EXISTING BUILDING MULTIFAMILY BUILDING WITH COMMERCIAL FIRST FLOOR. PROVIDE NEW ELECTRICAL DISTRIBUTION, POWER AND LIGHTING. SEE SINGLE LINE DIAGRAM FOR MORE DETAILS.

GENERAL NOTES-OVERALL PROJECT

A. EBS DRAWINGS INDICATE DESIGN INTENT AND REQUIRED OUTCOMES. IF CONDITIONS ARISE IN THE FIELD THAT REQUIRE DEVIATIONS FROM THE DRAWINGS IT IS ASSUMED THAT THE CONTRACTOR WILL DETERMINE THE APPROPRIATE DEVIATION WITH APPROVAL FROM THE OWNER. EBS IS AVAILABLE TO ASSIST WHEN REQUIRED IF ISSUES ARISE.

GENERAL NOTES-LIGHTING

- A. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR DIMENSIONED LOCATIONS OF LIGHT FIXTURES.
- B. PROVIDE HOLD-ON-TYPE BREAKERS FOR EGRESS/EMERGENCY LIGHTING CIRCUITS. WIRE ALL EGRESS/EMERGENCY FIXTURES AHEAD OF ANY LOCAL SWITCHING.
- C. LIGHT FIXTURES CONTROLLED BY SWITCH IN SAME ROOM UNLESS OTHERWISE NOTED.

DIMMERS AS REQUIRED TO MEET ZONE LOAD REQUIREMENTS.

- D. 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
- E. ELECTRICAL SWITCHES ON OPPOSITE SIDES OF A WALL ARE TO BE SPACED SO THAT THEIR ELECTRICAL BOX ARE A MINIMUM OF ONE STUD BETWEEN BOXES.
- F. WHERE APPLICABLE, PROVIDE TOGGLE STYLE LIGHT SWITCHES.

Progress Dates

05/05/2023 BID P/E/FP
08/30/2024 BID SET 2

Revisions

Checked By: PRS

Drawn by: AJW



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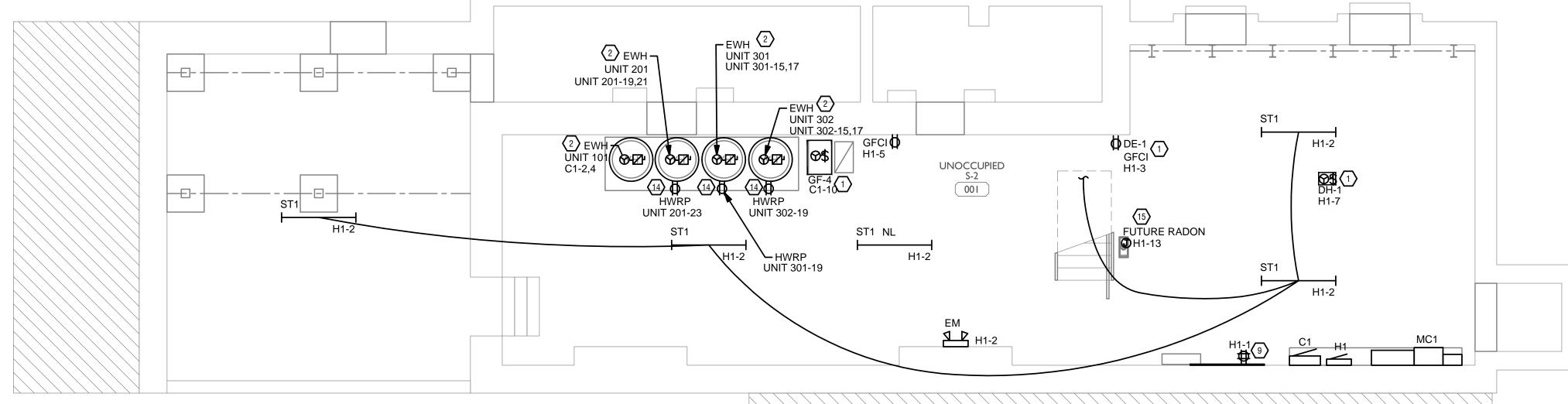
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Job No: 22042

E1.00

8/10/2022





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- E. ROOF MOUNTED AND OUTDOOR EQUIPMENT SHALL HAVE 120V RECEPTACLE MOUNTED WITHIN 25' OF EACH PIECE. RECEPTACLES SHALL BE IN WEATHER PROOF BOX AND HAVE GFCI PROTECTION.
- F. FOR ITEMS FURNISHED BY OTHER TRADES, ELECTRICAL CONTRACTOR TO FULLY COORDINATE BREAKER AND WIRE SIZES WITH ACTUAL EQUIPMENT BEING CONNECTED PRIOR TO ROUGH-IN, OR INSTALLATION. THE SIZES ON PANEL SCHEDULES REFER TO BASIS OF DESIGN SELECTIONS, AND ACTUAL ITEMS MAY DEVIATE FROM BASIS OF DESIGN. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CONFIRM REQUIRED WIRE AND BREAKER SIZES WITH THE CONTRACTOR FURNISHING THE EQUIPMENT.
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- ELECTRICAL RECEPTACLES ON OPPOSITE SIDES OF A WALL ARE TO BE SPACED SO THAT THEIR ELECTRICAL BOX ARE A MINIMUM OF ONE STUD BETWEEN BOXES.

SCOPE OF WORK

RENOVATION OF EXISTING BUILDING MULTIFAMILY BUILDING WITH COMMERCIAL FIRST FLOOR. PROVIDE NEW ELECTRICAL DISTRIBUTION, POWER AND LIGHTING. SEE SINGLE LINE DIAGRAM FOR MORE DETAILS.

GENERAL NOTES-OVERALL PROJECT

A. EBS DRAWINGS INDICATE DESIGN INTENT AND REQUIRED OUTCOMES. IF CONDITIONS ARISE IN THE FIELD THAT REQUIRE DEVIATIONS FROM THE DRAWINGS IT IS ASSUMED THAT THE CONTRACTOR WILL DETERMINE THE APPROPRIATE DEVIATION WITH APPROVAL FROM THE OWNER. EBS IS AVAILABLE TO ASSIST WHEN REQUIRED IF ISSUES ARISE.

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- A. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR DIMENSIONED LOCATIONS OF LIGHT FIXTURES.
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- E. ELECTRICAL SWITCHES ON OPPOSITE SIDES OF A WALL ARE TO BE SPACED SO THAT THEIR ELECTRICAL BOX ARE A MINIMUM OF ONE STUD BETWEEN BOXES
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Revisions

Checked By: PRS



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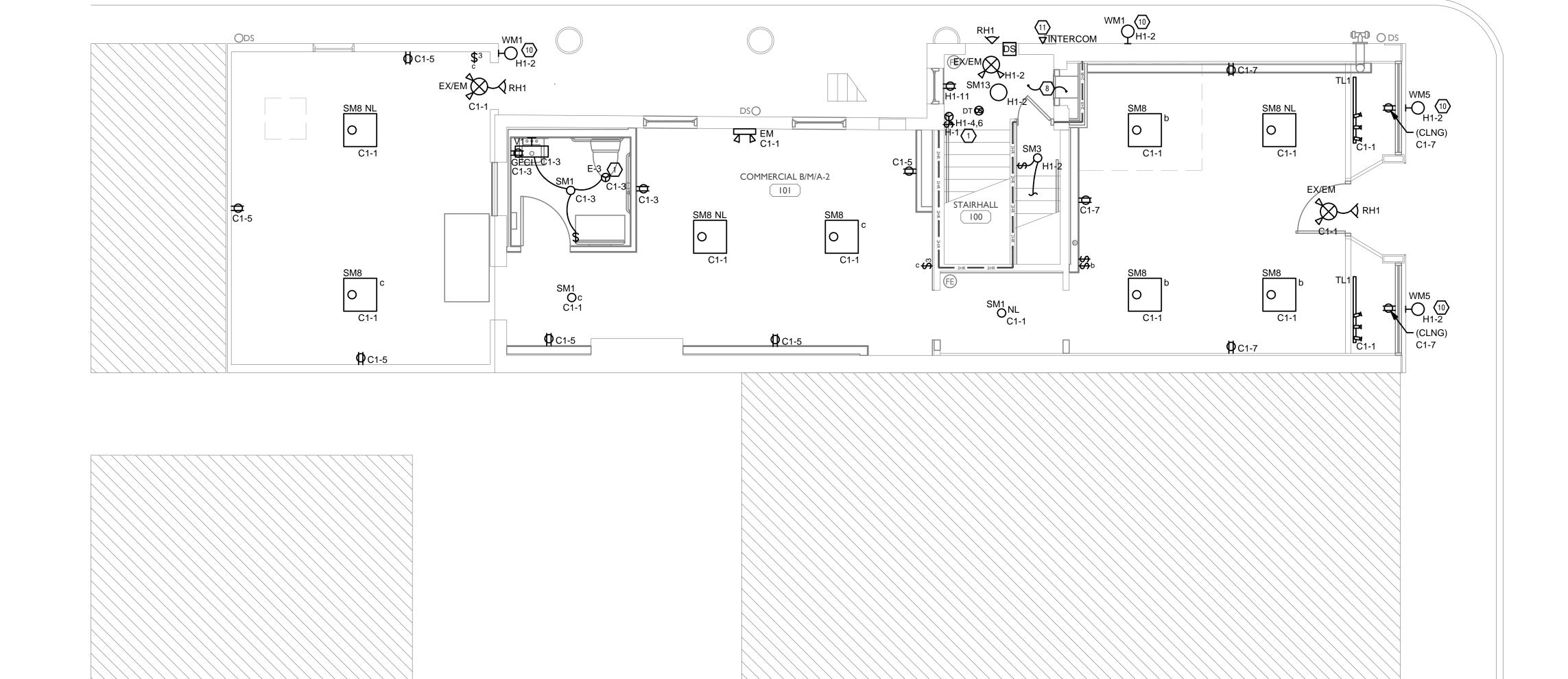
OVATION FOR

O7 VINE ST.

CINNATI, OH, 45202

Job No: 22042 8/10/2022

E1.01



STANDARD MOUNTING HEIGHTS

KEYED SHEET NOTES

- MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. VERIFY ELECTRICAL REQUIREMENTS WITH MECHANICAL REQUIREMENTS PRIOR TO ROUGH-IN.
- 2. PLUMBING EQUIPMENT PROVIDED BY PLUMBING CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. VERIFY ELECTRICAL REQUIREMENTS WITH PLUMBING REQUIREMENTS PRIOR TO ROUGH-IN.
- DUCTLESS INDOOR UNIT POWERED FROM OUTDOOR UNIT. CONFIRM LOCATION AND DISCONNECTING MEANS WITH INSTALLING CONTRACTOR.
 PROVIDE SWITCH AND CONNECTION FOR CONTINUOUSLY RUNNING 2-SPEED
- BATHROOM FAN. VERIFY REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

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- 5. DISHWASHER MUST BE GFCI PROTECTED PER NEC 210.8(D) RECEPTACLE SHALL BE LOCATED IN AN ACCESSIBLE LOCATION.
- . MICROWAVE RECEPTACLE LOCATED IN CABINET ABOVE, COORDINATE LOCATION WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- 8. CORRIDOR LIGHTS TO BE CONTROLLED BY OCCUPANCY SENSOR UNLESS OTHERWISE NOTED.
- 9. LOCATION OF BUILDING UTILITY DATA DEMARC. PROVIDE A 4'X4'X³/₄" PLYWOOD BACKBOARD FOR DATA/PHONE UTILITIES. COORDINATE ALL REQUIREMENTS WITH OWNER, ARCHITECT, AND ALTA FIBER PRIOR TO ROUGH-IN. PROVIDE DEDICATED QUAD RECEPTACLE AS SHOWN.
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- B. FURNISH AND INSTALL SMOKE DETECTORS AS REQUIRED BY CODE. SMOKE DETECTORS SHOWN ON EBS DRAWINGS ARE INTENDED TO CONVEY GENERAL COMPLIANCE FOR BUILDING DEPARTMENT SUBMITTALS. PROVIDE INTERWIRING BETWEEN SMOKE DETECTORS LOCATED IN THE SAME UNIT. SMOKE DETECTORS SHALL BE HARD WIRED WITH BATTERY BACK-UP. FIRE ALARM AND/OR SMOKE DETECTOR SYSTEMS ARE FURNISHED ON A DESIGN-BUILD BASIS BY THE ELECTRICIAN.
- C. WHERE CIRCUITING IS SHOWN TYPICAL FOR MULTIPLE UNITS, COORDINATE BREAKER/WIRE SIZES FOR EQUIPMENT FURNISHED BY OTHERS WITH SHOP DRAWINGS PROVIDED BY THE CONTRACTOR SUPPLYING THE EQUIPMENT. VERIFY BREAKER/WIRE SIZES FOR EQUIPMENT OR APPLIANCE FOR EACH UNIT PRIOR TO ROUGH-IN.
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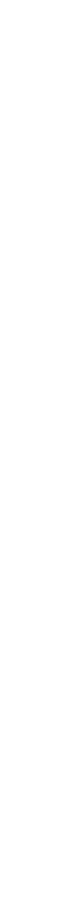
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DIMMERS AS REQUIRED TO MEET ZONE LOAD REQUIREMENTS.



Progress Dates

05/05/2023 BID P/E/FP
08/30/2024 BID SET 2

Revisions

Checked By: PRS

Drawn by: AJW



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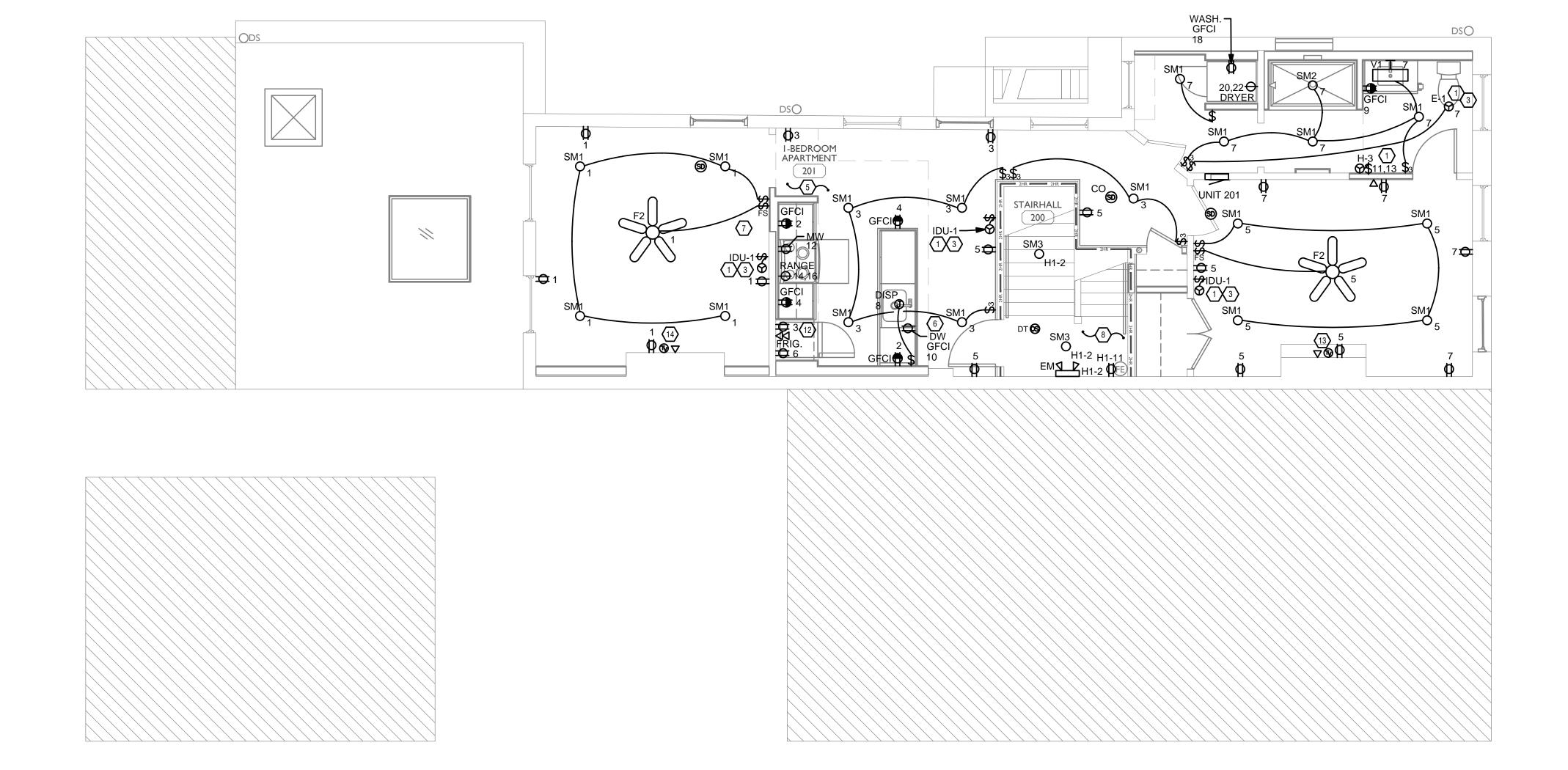
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OVATION FOR OT VINNATI, OH, 45202

Job No: 22042

E1.02



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PROVIDE TAMPER PROOF RECEPTACLES AS REQUIRED BY NEC ART. 406.12

GENERAL NOTES-POWER

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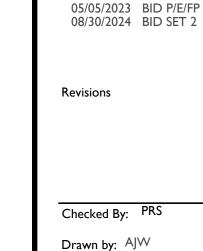
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Progress Dates



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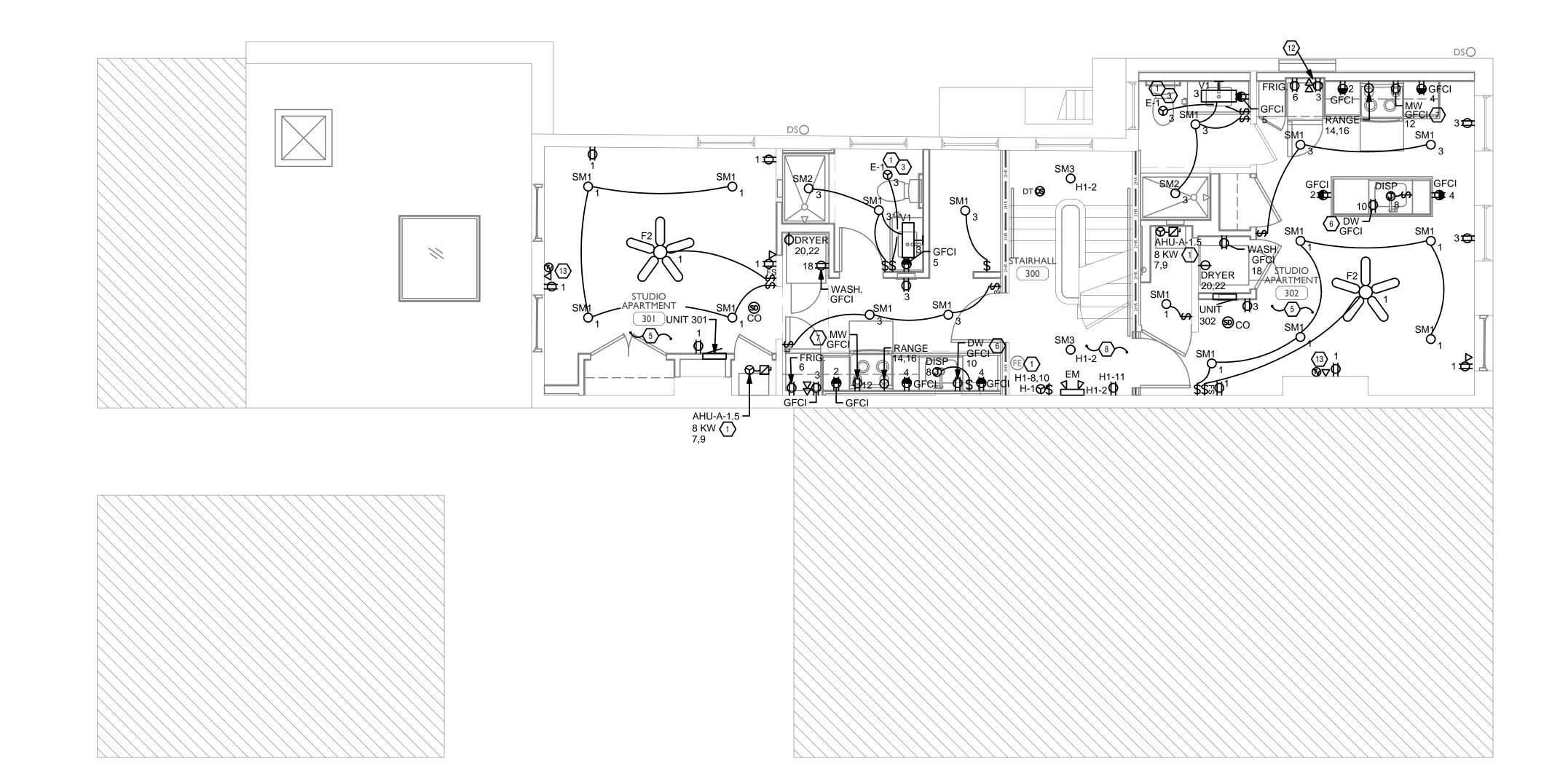
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MATI, OH, 45202

Job No: 22042 8

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- B. FURNISH AND INSTALL SMOKE DETECTORS AS REQUIRED BY CODE. SMOKE DETECTORS SHOWN ON EBS DRAWINGS ARE INTENDED TO CONVEY GENERAL COMPLIANCE FOR BUILDING DEPARTMENT SUBMITTALS. PROVIDE INTERWIRING BETWEEN SMOKE DETECTORS LOCATED IN THE SAME UNIT. SMOKE DETECTORS SHALL BE HARD WIRED WITH BATTERY BACK-UP. FIRE ALARM AND/OR SMOKE DETECTOR SYSTEMS ARE FURNISHED ON A DESIGN-BUILD BASIS BY THE ELECTRICIAN.
- C. WHERE CIRCUITING IS SHOWN TYPICAL FOR MULTIPLE UNITS, COORDINATE BREAKER/WIRE SIZES FOR EQUIPMENT FURNISHED BY OTHERS WITH SHOP DRAWINGS PROVIDED BY THE CONTRACTOR SUPPLYING THE EQUIPMENT. VERIFY BREAKER/WIRE SIZES FOR EQUIPMENT OR APPLIANCE FOR EACH UNIT PRIOR TO ROUGH-IN.
- D. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATIONS OF ALL LIGHT FIXTURES.
- E. PROVIDE CONDUIT AND PULL STRING TO APPROVED LOCATION FOR VOICE, DATA, AND CATV CABLES.
- F. CIRCUITING ON DRAWINGS AND PANEL SCHEDULE IS SHOWN TYPICAL FOR SIMILAR UNITS. REFER TO DWELLING UNIT LOAD SUMMARIES FOR INDIVIDUAL DWELLING UNIT LOAD CALCULATIONS
- G. COORDINATE RECEPTACLE, PHONE, AND TV DEVICE PLACEMENT WITH FURNITURE LOCATIONS. VERIFY WITH ARCHITECT PRIOR TO ROUGH IN. LOCATIONS SHOWN ON DRAWINGS ARE INTENDED TO CONVEY DESIGN INTENT, AND DEMONSTRATE GENERAL COMPLIANCE WITH CODE. WHERE ACTUAL STUD LOCATIONS REQUIRE DEVICE LOCATIONS TO BE ADJUSTED, ADDED OR MINOR VARIATIONS AMONG UNITS THAT ARE SHOWN AS "TYPICAL" ETC. OCCUR, CONTRACTOR, UNDER HIS BASE BID, TO MAKE NECESSARY ADJUSTMENTS / ADDITIONS IN THE FIELD TO MAINTAIN NEC DWELLING UNIT RECEPTACLE SPACING REQUIREMENTS. WHERE ACTUAL WINDOW CONSTRUCTION PROHIBITS THE INSTALLATION OF A WALL RECEPTACLE,

PROVIDE FLOOR RECEPTACLE WITHIN 18 INCHES OF THE BASE OF THE WALL

PROVIDE TAMPER PROOF RECEPTACLES AS REQUIRED BY NEC ART. 406.12

GENERAL NOTES-POWER

- A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT/CABLE ROUTING. COORDINATE ROUTING WITH ALL OTHER TRADES AND BUILDING CONDITIONS.
- B. SEE SINGLE LINE DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC.
- C. PROVIDE MOTOR STARTERS FOR EQUIPMENT AS INDICATED ON DRAWINGS. COORDINATE ANY INTERLOCKING WIRING WITH HVAC CONTRACTOR AND PROVIDE WIRING, COILS, AND AUXILIARY CONTACTS AS NECESSARY. SIZE ALL CIRCUITS FOR ACTUAL EQUIPMENT TO BE CONNECTED.
- D. ALL PANELS AND DISCONNECTS LOCATED OUTDOORS SHALL BE LABELED NEMA 3R
- E. ROOF MOUNTED AND OUTDOOR EQUIPMENT SHALL HAVE 120V RECEPTACLE MOUNTED WITHIN 25' OF EACH PIECE. RECEPTACLES SHALL BE IN WEATHER PROOF BOX AND HAVE GFCI PROTECTION.
- F. FOR ITEMS FURNISHED BY OTHER TRADES, ELECTRICAL CONTRACTOR TO FULLY COORDINATE BREAKER AND WIRE SIZES WITH ACTUAL EQUIPMENT BEING CONNECTED PRIOR TO ROUGH-IN, OR INSTALLATION. THE SIZES ON PANEL SCHEDULES REFER TO BASIS OF DESIGN SELECTIONS, AND ACTUAL ITEMS MAY DEVIATE FROM BASIS OF DESIGN. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CONFIRM REQUIRED WIRE AND BREAKER SIZES WITH THE CONTRACTOR FURNISHING THE EQUIPMENT.
- G. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR ALL DEVICE MOUNTING
- H. 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 WITH NEC 250. GAS PIPING SYSTEMS MUST BE BONDED PER UTILITY PROVIDER'S INSTALLATION GUIDELINES WHERE REQUIRED.
- ELECTRICAL RECEPTACLES ON OPPOSITE SIDES OF A WALL ARE TO BE SPACED SO THAT THEIR ELECTRICAL BOX ARE A MINIMUM OF ONE STUD BETWEEN BOXES.

SCOPE OF WORK

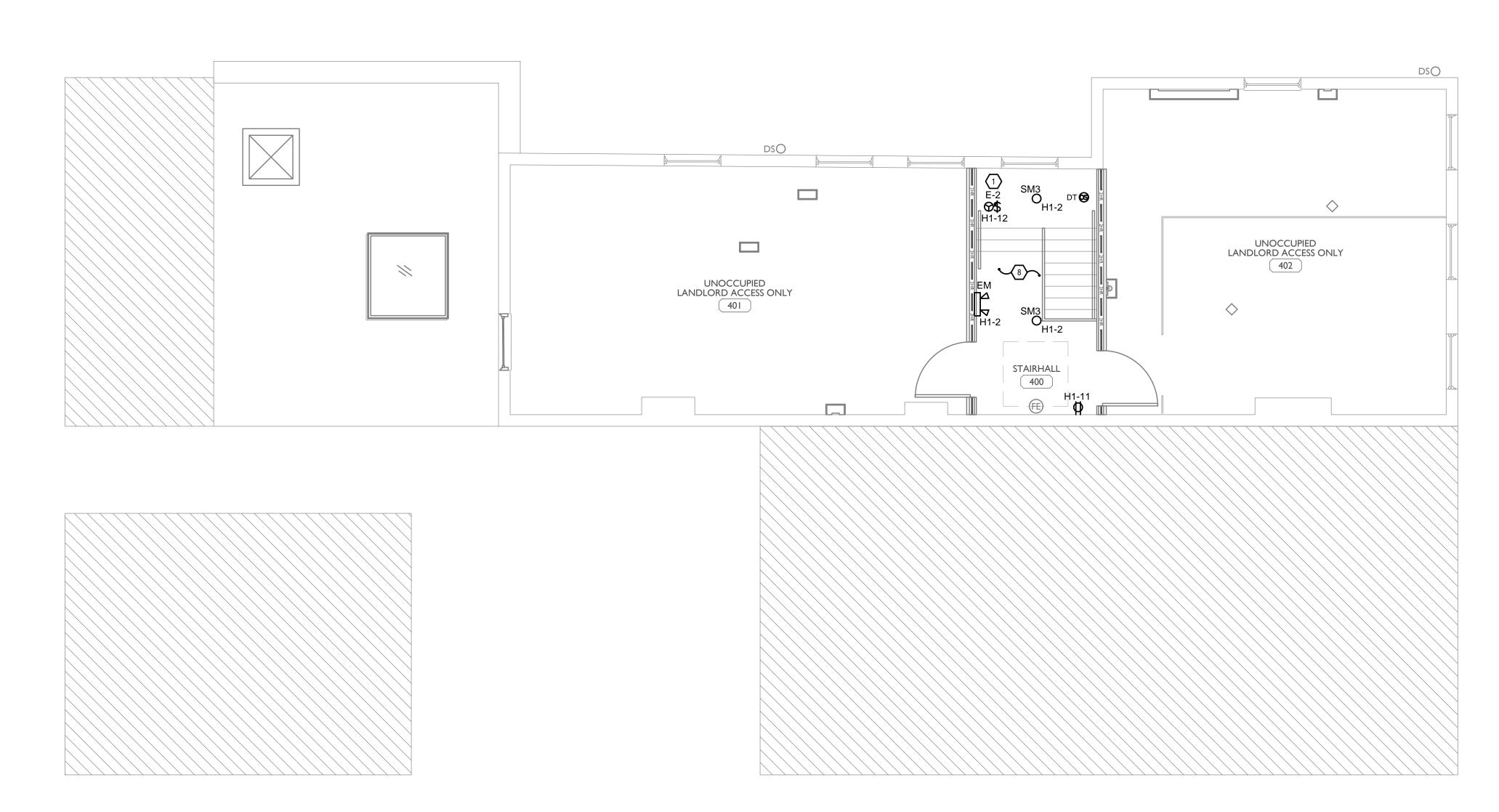
RENOVATION OF EXISTING BUILDING MULTIFAMILY BUILDING WITH COMMERCIAL FIRST FLOOR. PROVIDE NEW ELECTRICAL DISTRIBUTION, POWER AND LIGHTING. SEE SINGLE LINE DIAGRAM FOR MORE DETAILS.

GENERAL NOTES-OVERALL PROJECT

A. EBS DRAWINGS INDICATE DESIGN INTENT AND REQUIRED OUTCOMES. IF CONDITIONS ARISE IN THE FIELD THAT REQUIRE DEVIATIONS FROM THE DRAWINGS IT IS ASSUMED THAT THE CONTRACTOR WILL DETERMINE THE APPROPRIATE DEVIATION WITH APPROVAL FROM THE OWNER. EBS IS AVAILABLE TO ASSIST WHEN REQUIRED IF ISSUES ARISE.

GENERAL NOTES-LIGHTING

- A. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR DIMENSIONED LOCATIONS OF LIGHT FIXTURES.
- B. PROVIDE HOLD-ON-TYPE BREAKERS FOR EGRESS/EMERGENCY LIGHTING CIRCUITS. WIRE ALL EGRESS/EMERGENCY FIXTURES AHEAD OF ANY LOCAL SWITCHING.
- C. LIGHT FIXTURES CONTROLLED BY SWITCH IN SAME ROOM UNLESS OTHERWISE NOTED.
- D. 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.
- E. ELECTRICAL SWITCHES ON OPPOSITE SIDES OF A WALL ARE TO BE SPACED SO THAT THEIR ELECTRICAL BOX ARE A MINIMUM OF ONE STUD BETWEEN BOXES.
- F. WHERE APPLICABLE, PROVIDE TOGGLE STYLE LIGHT SWITCHES.





Progress Dates

Revisions

05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

SYSTEMS INC.

TEAMWORK COLLABORATION
SHARED SUCCESS
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MEP Consulting Services, Inc. in OH

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ENOVATION FOR 807 VINE ST. INCINNATI, OH, 45202

Job No: 22042 8/10/2022

E1.04



★ KEYED SHEET NOTES

- MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. VERIFY ELECTRICAL REQUIREMENTS WITH MECHANICAL REQUIREMENTS PRIOR TO ROUGH-IN.
- MECHANICAL REQUIREMENTS PRIOR TO ROUGH-IN.

 PLUMBING EQUIPMENT PROVIDED BY PLUMBING CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. VERIFY ELECTRICAL REQUIREMENTS WITH PLUMBING REQUIREMENTS PRIOR TO ROUGH-IN.
- 3. DUCTLESS INDOOR UNIT POWERED FROM OUTDOOR UNIT. CONFIRM LOCATION AND DISCONNECTING MEANS WITH INSTALLING CONTRACTOR.
- I. PROVIDE SWITCH AND CONNECTION FOR CONTINUOUSLY RUNNING 2-SPEED BATHROOM FAN. VERIFY REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE HARD-WIRED SMOKE DETECTORS WITH BATTERY BACK-UP AS REQUIRED. ONE SMOKE DETECTOR IN EACH UNIT MUST BE A SMOKE/CO DETECTOR COMBO.
- 6. DISHWASHER MUST BE GFCI PROTECTED PER NEC 210.8(D) RECEPTACLE SHALL BE LOCATED IN AN ACCESSIBLE LOCATION.
- 7. MICROWAVE RECEPTACLE LOCATED IN CABINET ABOVE, COORDINATE LOCATION WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- CORRIDOR LIGHTS TO BE CONTROLLED BY OCCUPANCY SENSOR UNLESS OTHERWISE NOTED.
- 9. LOCATION OF BUILDING UTILITY DATA DEMARC. PROVIDE A 4'X4'X\rbrace{4}" PLYWOOD BACKBOARD FOR DATA/PHONE UTILITIES. COORDINATE ALL REQUIREMENTS WITH OWNER, ARCHITECT, AND ALTA FIBER PRIOR TO ROUGH-IN. PROVIDE DEDICATED QUAD RECEPTACLE AS SHOWN.
- 10. EXTERIOR LIGHTING ON PHOTOCELL. CONFIRM LOCATION OF PHOTOCELL DEVICE WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- 11. COORDINATE LOCATION AND REQUIREMENTS OF BUILDING CALL BOX, 2N INTERCOM SYSTEM, WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- 12. INSTALL FIOPTIC 4-GANG AND QUAD OUTLET IN CABINET ABOVE REFRIGERATOR AS SHOWN.
- 13. COORDINATE TV RECEPTACLE AND DATA LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.

FAN, FAN NOT TO BE INSTALLED AT THIS TIME.

- 14. HOT WATER CIRCULATION PUMP HARDWIRED CIRCUIT CONNECTION.
 COORDINATE LOCATION WITH PLUMBING CONTRACTOR. PRIOR TO ROUGH-IN.
 15. LOCATION OF FUTURE RADON, PROVIDE JUNCTION BOX FOR FUTURE RADON
- 16. 1806 REPUBLIC STREET MECHANICAL UNIT SHOWN FOR REFERENCE ONLY, REFER TO 1806 REPUBLIC STREET ELECTRICAL PERMIT FOR CIRCUITRY INFORMATION. BRANCH CIRCUITS INSTALLED FOR MECHANICAL UNITS ARE TO BE INSTALLED SO THEY REMAIN OUTSIDE OF THE BUILDING.

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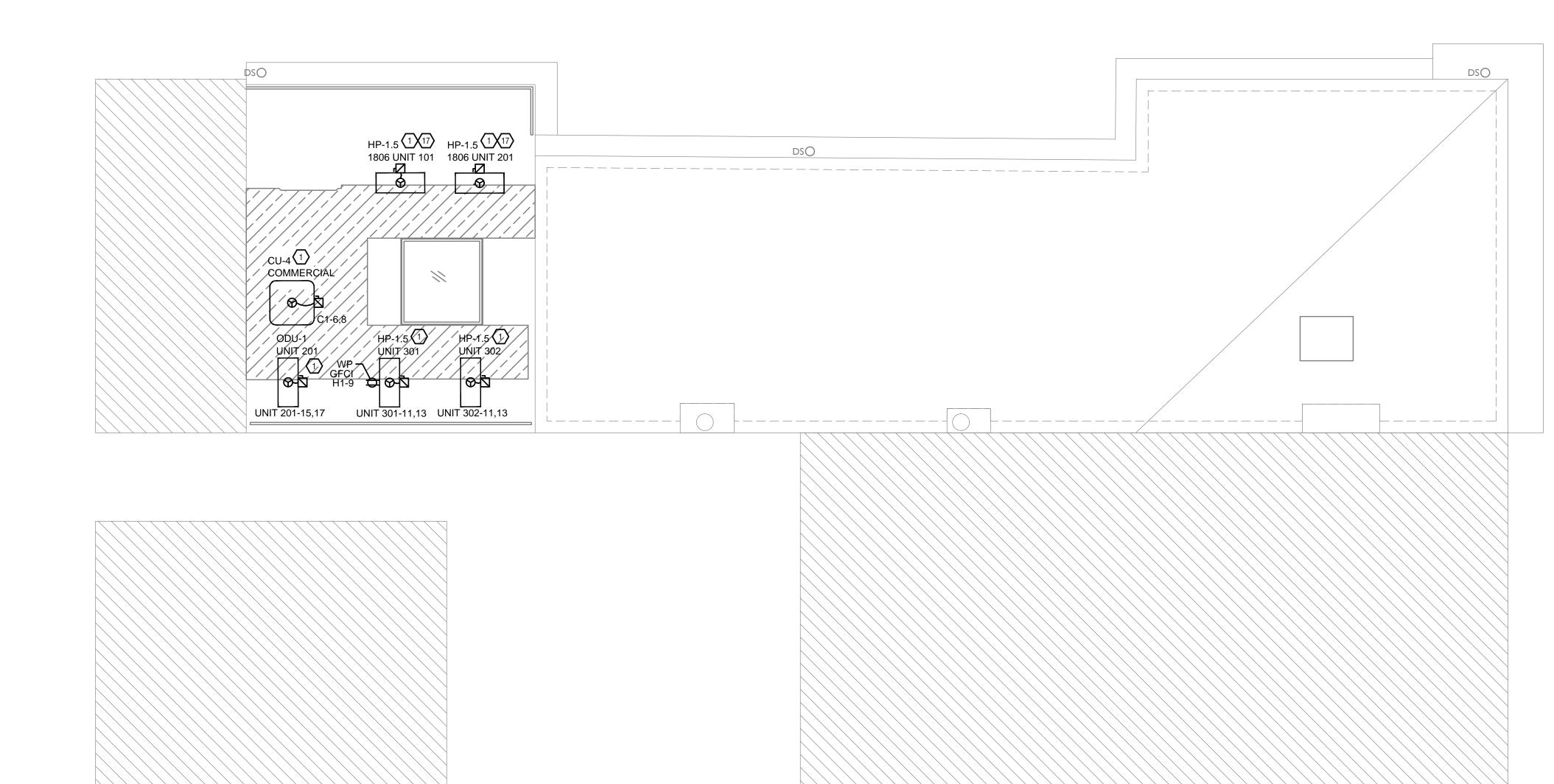
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- F. WHERE APPLICABLE, PROVIDE TOGGLE STYLE LIGHT SWITCHES.





Progress Dates

Checked By: PRS

Drawn by: AJW

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05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

ENOVATION FOR SOLVED STATES

Job No: 22042

E1.05



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

Standards

Codes

a. Materials equipment and materials shall conform with appropriate provisions of NEC, ASTM, UL, ETL, NEMA, ANSI, as applicable to each individual unit or

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.

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.

Warranty

- 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

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

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 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, etc. prior to installation and/or fabrication. If questions concerning design intent arise during coordination, EBS can 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. Submittals

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.

Shop Drawings

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.

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.

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.

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

a. All final connections to mechanical equipment shall be done 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

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.

Grounding and Bonding 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 with NEC 250.

b. Any gas piping systems must be bonded per utility provider's installation guidelines where required.

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 of the current applicable codes and regulations. No substitution to materials specified will be allowed unless approved

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.

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

physical damage.

23. Motors and Other Wiring

20. Cutting and Fitting

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

- 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
- 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.

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

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 I 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.

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

29. Grounding and bonding for electrical systems and equipment a. Provide grounding and bonding for electrical service in accordance with NEC

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

article 250.

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

34. Telephone System

a. Telephone wiring and system provided by owner. Verify system requirements and rough-in locations with owner prior to start of construction. Electrical contractor shall provide plaster ring and pull string from each device location to above accessible ceiling.

35. Security System Notes

a. Security wiring and system provided by owner. Verify system requirements and rough-in locations with owner prior to start of construction. Provide power for

owner's head-end equipment and remote power for secure doors as required. 36. Data/Pos/A-V/System Notes

location to above accessible ceiling. 37. Fire Alarm System

a. Fire alarm system to be design-build by contractor. Contractor shall provide all required drawings and submit to authorities. Refer to architect's code sheet for relevant design criteria. Submit drawings to Owner/Architect for review prior to submitting to authorities. Provide required items including but not limited to relay modules, monitor modules, return-air detectors, elevator recall, etc. Provide remote annunciator panel(s) at location(s) approved by Architect and authorities.

a. Data, POS and/or A-V wiring and systems provided by owner. Verify system

requirements and rough-in locations with owner prior to start of construction.

Electrical contractor shall provide plaster ring and pull string from each device

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Progress Dates 05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

Revisions

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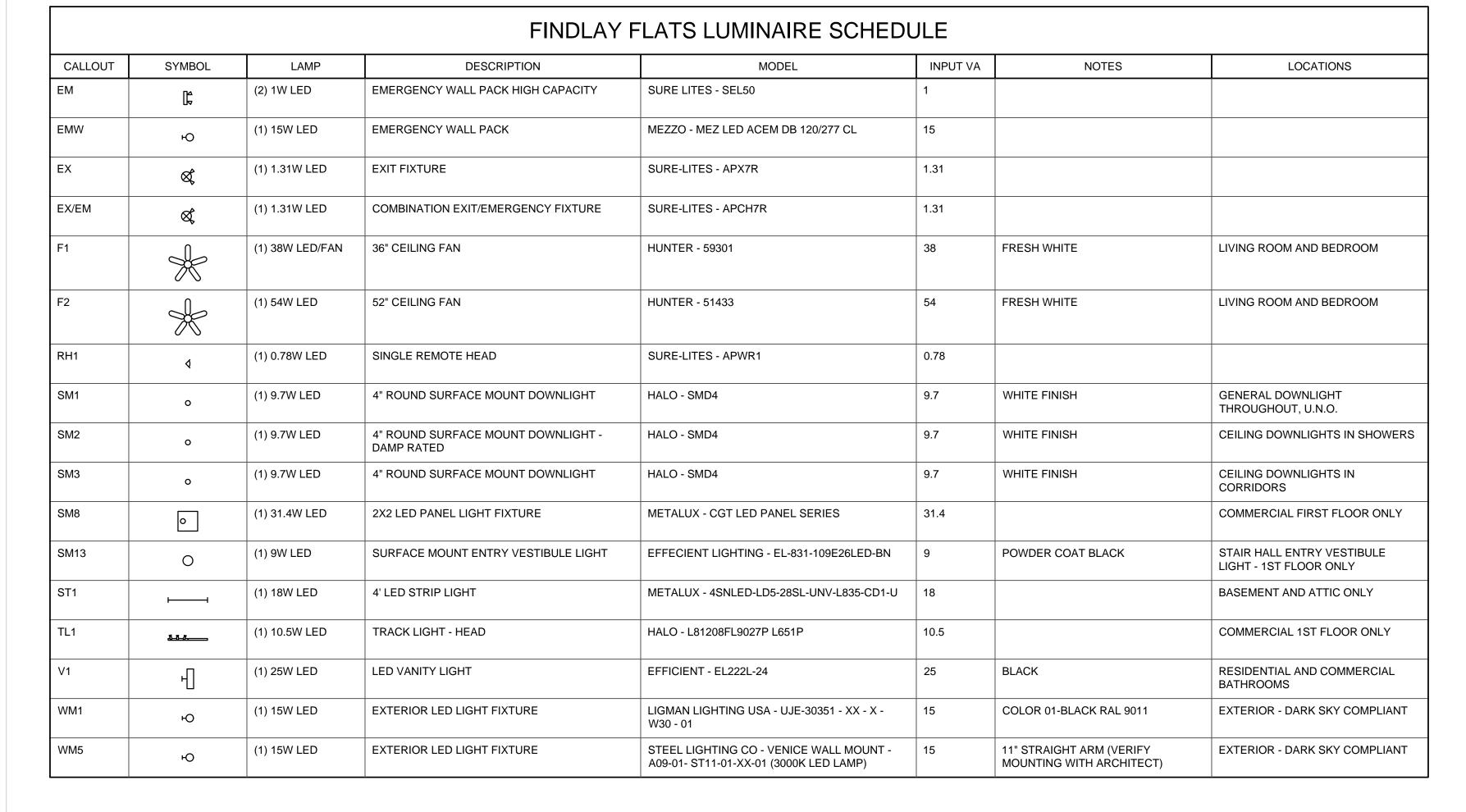
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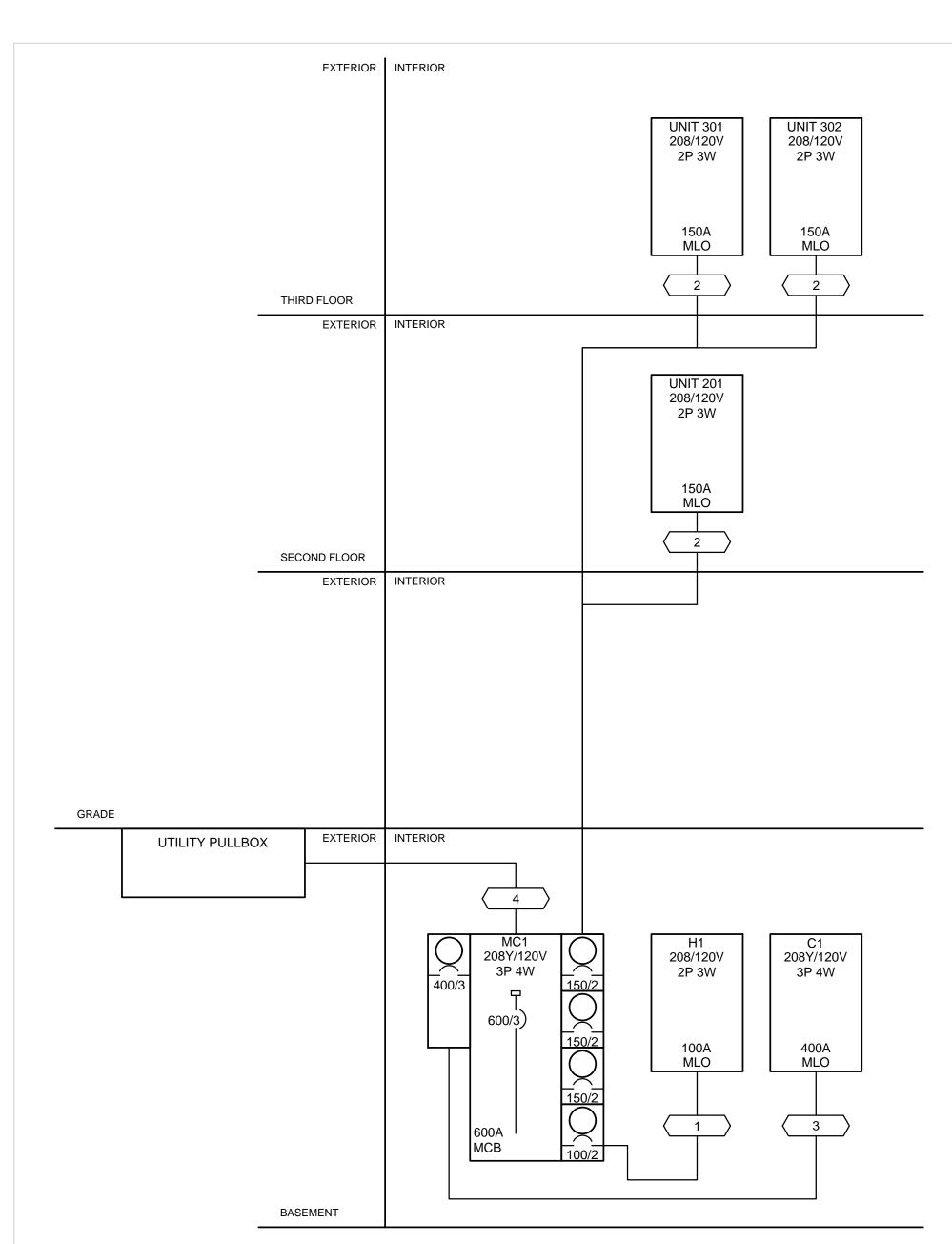
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Job No: 22042

ELECTRICAL DETAILS





M(FE	DOM DUNTING D FROM DTE	FLUSH MC1			VOLTS 20 BUS AMPS NEUTRAL	s 10	0	2P 3W			N	AIC T.B.D Main Bkr Lugs Sta	MLO
CKT # 1 3 5 7 9 11 13 15 17 19 21 23	CKT BKR 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	LOAD KVA 0.36 0.96 0.18 1 0.18 0.72 0.25 0 0	RECEPT (DE-1) RECEPT DH-1 RECEPT RECEPT	DEHUMID ACLE		b a b a b a	# 2 4 6 8 10 12 14 16 18 20 22	CKT BKR 20/1 20/2 20/1 20/1 20/1 20/1 20/1 20/1 20/1	K۷	232	CIRC LIGHT H-1 E-2 SPAC SPAC SPAC SPAC SPAC	CE CE CE CE	CRIPTION
A L	GHTING PPLIANCE ARGEST MOTOR	1	CONN KVA 0.232 0.25	CALC KVA 0.29 1 0.063	(125%) (100%) (25%)		REC NON HEA TOT BAL	TORS EPTACLE ICONTINU TING AL LOAD ANCED LOASE A ASE B	JOUS	0.35 1.44		CALC KVA 0.35 1.44 0.96 4 8.1 39 A 81.8% 118%	(100%) (50%>10) (100%) (100%)

SCOPE OF WORK

RENOVATION OF EXISTING BUILDING MULTIFAMILY BUILDING WITH COMMERCIAL FIRST FLOOR. PROVIDE NEW ELECTRICAL DISTRIBUTION, POWER AND LIGHTING. SEE SINGLE LINE DIAGRAM FOR MORE DETAILS.

GENERAL NOTES-OVERALL PROJECT

A. EBS DRAWINGS INDICATE DESIGN INTENT AND REQUIRED OUTCOMES. IF CONDITIONS ARISE IN THE FIELD THAT REQUIRE DEVIATIONS FROM THE DRAWINGS IT IS ASSUMED THAT THE CONTRACTOR WILL DETERMINE THE APPROPRIATE DEVIATION WITH APPROVAL FROM THE OWNER. EBS IS AVAILABLE TO ASSIST WHEN REQUIRED IF ISSUES ARISE.

	FEEDER SCHEDULE
ID	CONDUIT AND FEEDER
1	1-1/4"C,2#1 AL,#1 AL N,#6 AL G
2	2#2/0 AL,#2/0 AL N,#4 AL G
3	(2)2-1/2"C,3#250kcmil AL,#250kcmil AL N,#1 AL G
4	(2)3"C,3#500kcmil AL,#500kcmil AL N

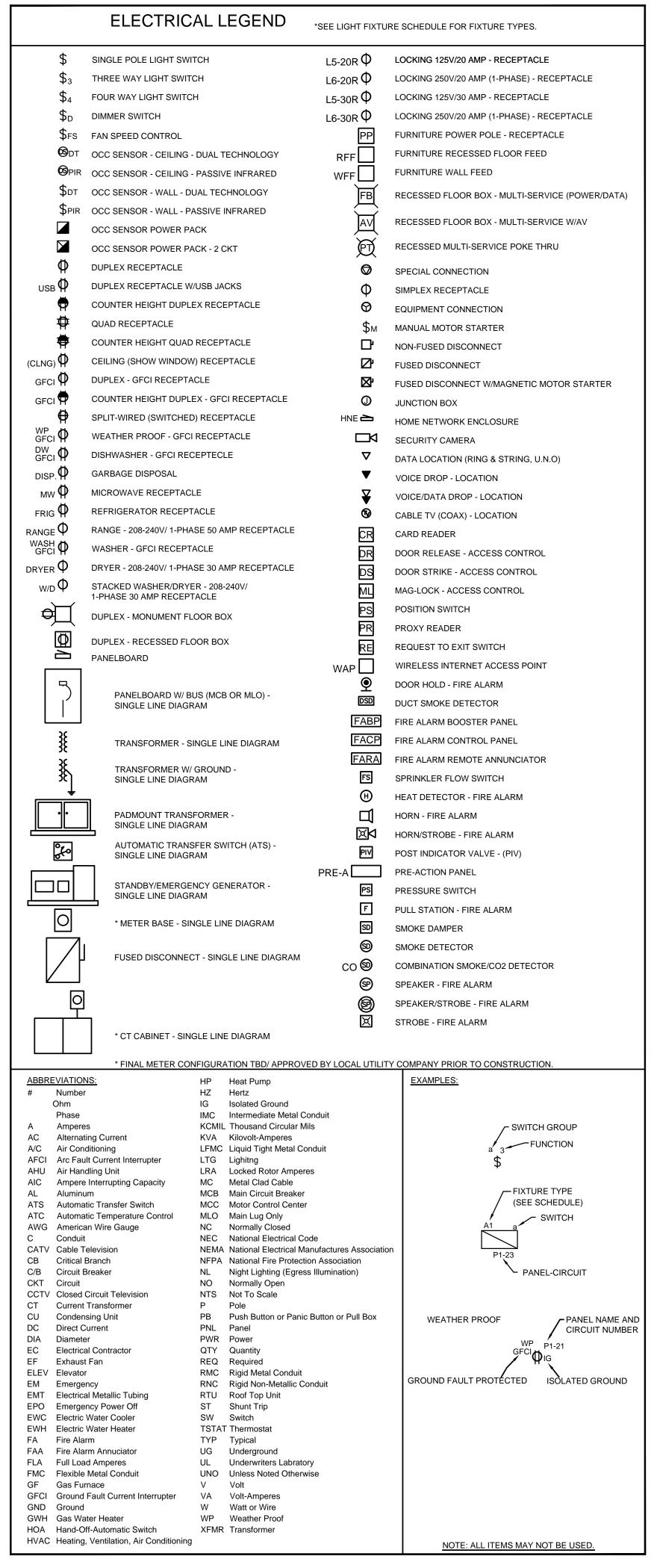
SIZING METHOD: COMPACT AL 75°C 100A AND ABOVE, CU 75°C BELOW 100A

GENERAL NOTES-SINGLE LINE DIAGRAM

- ALL BREAKERS SHALL BE RATED TO WITHSTAND THE AVAILABLE FAULT CURRENT AT THEIR LOCATION. WHERE SERIES- RATED COMBINATIONS ARE USED IN ACCORDANCE WITH NEC 240.86 (B) AND (C) THE CONTRACTOR AND/OR HIS EQUIPMENT SUPPLIER MUST PROVIDE APPROPRIATE DOCUMENTATION AND LABELING.
- WHERE BREAKERS WITH ADJUSTABLE SETTINGS ARE FURNISHED TO THE PROJECT. THE MANUFACTURER'S REP SHALL IDENTIFY AND PROVIDE THE APPROPRIATE SETTINGS TO THE ELECTRICAL CONTRACTOR FOR HIS USE IN INSTALLATION. PANEL SCHEDULES INDICATE BREAKER SIZE ONLY. PROVIDE AFCI/GFCI
- PROTECTION AS REQUIRED BY NEC. COORDINATE FINAL BREAKER SIZES/TYPES FOR ITEMS FURNISHED BY OTHERS WITH SHOP DRAWINGS OR PRODUCT INFORMATION FOR ACTUAL EQUIPMENT BEING CONNECTED
- ELECTRICAL CONTRACTOR SHALL NOT ORDER OR PURCHASE ANY MATERIALS OR EQUIPMENT UNTIL PERMIT DRAWINGS HAVE BEEN APPROVED BY AHJ. PROVIDE SELECTIVE COORDINATION FOR EMERGENCY SYSTEM
- OVERCURRENT PROTECTION DEVICES IN ACCORDANCE WITH NEC 700.27. PROVIDE GROUND-FAULT PROTECTION FOR EQUIPMENT IN ACCORDANCE
- WITH NEC 240.13 AND NEC 230.95. OVERCURRENT PROTECTION DEVICES SUPPLYING TRANSFORMERS WHICH ARE NOT LOCATED WITHIN SIGHT OF THEIR OVERCURRENT PROTECTION SHALL BE LOCKABLE AND THE TRANSFORMER SHALL BE FIELD MARKED WITH
- THE LOCATION OF THE OVERCURRENT PROTECTION DEVICE. 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 WITH NEC 250. GAS PIPING SYSTEMS MUST BE BONDED PER UTILITY PROVIDER'S INSTALLATION GUIDELINES WHERE REQUIRED.

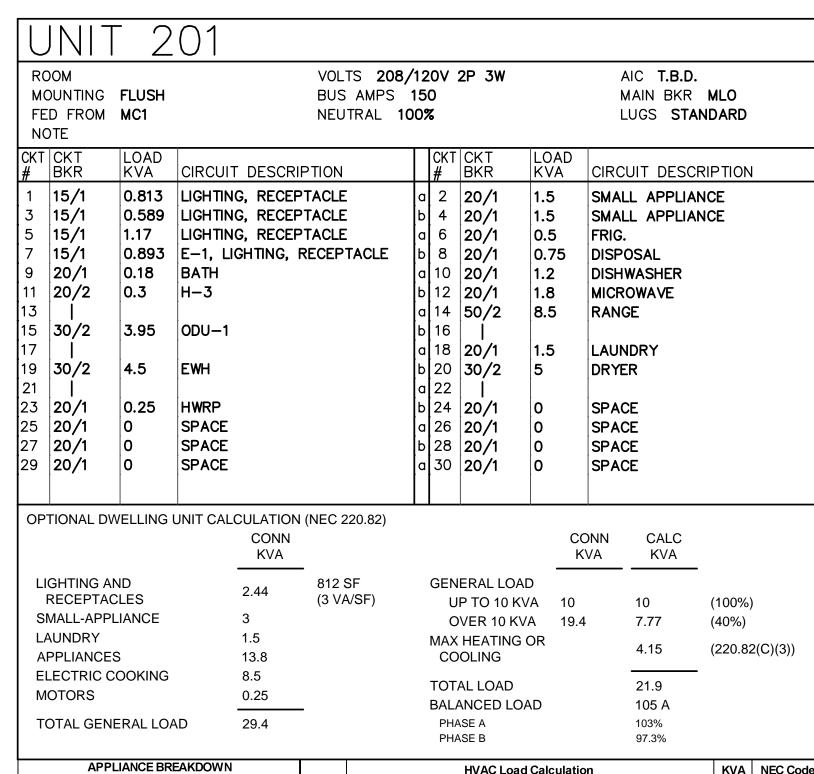
	NTING FLUSH FROM UTILITY	PULLBOX	BUS	TS 208Y/ S AMPS 6 0 TRAL 100	00	P 4W			AIC T.B.D. Main BKR 6 Lugs Stan e		
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIP	TION			OAD KV		FEEDER F	RACEWAY AND C	ONDUCTORS	
# 1 2 3 4 5	400/3 100/2 150/2 150/2 150/2	C1 H1 UNIT 201 UNIT 301 UNIT 302	TION		6.86 16.9 21.5	B 4.82 3.2 20.4 21.1	C 4.49 4.78 18 20.8	(2)2-1/ 1-1/4"(2#2/0 / 2#2/0 /		il AL,#250kcm . N,#6 AL G #4 AL G #4 AL G	nil AL N,#1 AL
		TOTAL CONNE	ECTED KVA B	Y PHASE	45.3	49.6	48.1				
—— OPTI	ONAL MULTIFAM	ILY DWELLING CALC			+0.0	73.0	+0.1				
				,	DWELLIN	IG UNIT L	OADS				
			KVA							KVA	
LIGI	HTING AND RECE	EPTACLES	4.75	1,583 SF (3 VA/SF)		CON	NECTED	LOAD		117	
LAU	ALL-APPLIANCE NDRY PLIANCES		9 4.5 42.3	(- , ,		DEM	LLING UI AND FAC CULATED	CTOR		3 (45%) 52.9	
ELE MO	CTRIC COOKING FORS TING	ì	25.5 0.75 30.7	(100%)							
COC	DLING		10.6	(0%)							
					HOU	SE LOAD	S				
		CONN KVA	CALC KVA	•					CONN KVA	CALC KVA	
LAR MO	HTING GEST MOTOR TORS EPTACLES	0.562 6.82 2.53 3.78	0.703 1.71 2.53 3.78	(125%) (25%) (100%) (50%>10)		NON HEA	TINUOUS CONTINU TING LING		4.5 0.96 4 6.82	5.63 0.96 0 6.82	(125%) (100%) (0%) (100%)
						TOT	AL HOUS	E LOAD		22.1	
					ТО	ΓAL LOAD)				
			KVA							KVA	
	AL DWELLING U	NITLOAD	52.9	.		TOT	AL LOAD			75	

	Meter Cer	iter Brea	akdown (WC)
220.84 Mul	ti-Family Calculation	KVA	Qty	Total KVA
	UNIT 201	33.69	1	33.69
	UNIT 301	41.41	1	41.41
	UNIT 302	41.36	1	41.36
Tota	l Quantity and Connect	ted Load =	3	116.46



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ELECTRICAL DETAILS



REFRIGERATOR DISHWASHER DISPOSAL MICROWAVE

WATER HEATER

DISHWASHER

MICROWAVE

DRYER

TOTAL

WATER HEATER

HOW WATER RECIRC PUMP

14.00

HOW WATER RECIRC PUMP

0.25

PHASE A 103% PHASE B 97.3%			Largest Heating or Cooling Load 220.84	4.25
FIIAGE B 51.376			220.84 CONNECTED LOAD CALC	33.69
HVAC Load Calculation	KVA	NEC Code		
Heating	4.25			
Cooling	3.95			
Mini Split	0.00			
100% of Nameplate Rating of AC and Cooling	3.95	220.82 C(1)		
100% of Nameplate Rating of Heat Pump w/o Supplmental Heat	0.00	220.82 C(2)		
Heat Pump plus 65% of Supplemental Heat	4.15	220.82 C(3)		
Largest Heating or Cooling Load	4.25	220.84 C(5)		

Cooling

Mini Split

100% of Nameplate Rating of AC and Cooling

Heat Pump plus 65% of Supplemental Heat

Largest Heating or Cooling Load

100% of Nameplate Rating of Heat Pump w/o Supplmental Heat | 0.00 | 220.82 C(2)

1 1	<u> </u>		\bigcirc $^{\prime}$												
U	<u> </u>	3	01												
	JNTING FROM	FLUSH MC1			BUS	TS 208 / AMPS TRAL 1 0	15	0	2P 3W			N	AIC T.B.D. MAIN BKR LUGS STA	MLO	
CKT C	CKT BKR	LOAD KVA	CIRCUIT D	ESCRI	PTION			CKT #	CKT BKR	LO.		CIRC	CUIT DESC	RIPTION	
1 1 3 1 5 2 7 6 9 11 2 1 3 15 17 19 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5/1 5/1 20/1 20/2 25/2 20/2 20/1 20/1 20/1 20/1	0.993 0.534 0.18 9.9 3.33 4.5 0.25 0 0 0	LIGHTING, E-1, LIGHT BATH AHU-A-1. HP-1.5 EWH HWRP SPACE SPACE SPACE SPACE SPACE SPACE	ΠNG,			арарарар	4 6 8 10 12 14 16 18 20 22 24 26	20/1 30/2 20/1 20/1	1.5 1.5 0.7 1.2 1.8 8.5 1.5 0 0	5 75	SMAI FRIG DISP DISH MICR RANG	OSAL WASHER OWAVE GE NDRY ER CE CE		
LIGI RE SMA LAU APF ELE MO	HTING AN ECEPTAC ALL-APPL JNDRY PLIANCES ECTRIC C TORS	ND CLES LIANCE	1.1 3 1.5 13. 8.5 0.2	SONN KVA 8 8 8 8 8 8 5	- 393 S (3 VA	SF		U MAX CC TOT BAL	IERAL LOA IP TO 10 K IVER 10 K I HEATING IOLING AL LOAD ANCED LOASE A ASE B	VA /A OR		DNN VA	CALC KVA 10 7.27 9.76 27 130 A 102% 97.9%	- (100%) (40%) (220.82	
TYPE	APPL	JANCE BRI	EAKDOWN	KVA					HVAC Load		ulatio	n		KVA 13.23	NEC Code
REFRIC	GERATOR			0.5						eating ooling				3.33	

Multi-Family Dwelling Unit Calc	KVA
Total General Load	28.18
argest Heating or Cooling Load 220.84	13.23
220.84 CONNECTED LOAD CALC	41.41

3.33

0.00

3.33 220.82 C(1)

9.77 220.82 C(3)

13.23 220.84 C(5)

Multi-Family Dwelling Unit Calc

Total General Load

KVA

29.44

	JNIT	Γ 3	02											
M Fi	OOM OUNTING ED FROM OTE	FLUSH MC1			BUS	TS 208, AMPS TRAL 1 0	150	2P 3W			AIC T.B.D MAIN BKR LUGS STA	MLO		
CKT #	CKT BKR	LOAD KVA	CIRCUI	T DESCR	IPTION		CK1 #	CKT BKR	LOA		RCUIT DESC	RIPTION		
1 3 5 7 9 11 13 15 17 19 21 23 25 27	15/1 15/1 20/1 60/2 25/2 30/2 20/1 20/1 20/1 20/1 20/1	0.652 0.884 0.18 9.9 3.33 4.5 0.25 0 0 0	LIGHTIN	G, RECEF GHTING, –1.5	PTACLE	Γ ACLE	a 2 b 4 a 6 b 8 a 10 b 12 a 14 b 16 a 18 b 20 a 22 b 24 a 26 b 28	20/1 20/1 20/1 20/1 20/1 50/2 20/1 30/2 20/1 20/1	1.5 1.5 0.7 1.2 1.8 8.5 1.5 5	SM SM FR DIS DIS MIC RA LA DR SP SP	ALL APPLIA	NCE		
L S L A E	IGHTING A RECEPTAGE MALL-APP AUNDRY APPLIANCE LECTRIC COMOTORS TOTAL GEN	ND CLES LIANCE S COOKING	AD	CONN KVA 1.13 3 1.5 13.8 8.5 0.25 28.1	N (NEC 2 - 378 S (3 VA	SF.	L (MA) CC TO1 BAL PH	NERAL LO JP TO 10 H OVER 10 H X HEATING OOLING FAL LOAD LANCED LO IASE A IASE B	CVA CVA G OR OAD	CONN KVA 10 18.1	CALC KVA 10 7.25 9.76 27 130 A 101% 99.3%	_	2(C)(3))	Multi-Family Dwelling Unit Calc Total General Load Largest Heating or Cooling Load 220.84 220.84 CONNECTED LOAD CALC
TVD		LIANCE BR	EAKDOWN	I//A	4 [HVAC Lo	ad Calcu	ulation		KVA	NEC Code	

		PHASE B 99.3%		
		FIIAGE D 99.5%		
APPLIANCE BREAKDOW	N	HVAC Load Calculation	KVA	NEC Code
YPE	KVA	Heating	13.23	
EFRIGERATOR	0.5		3.33	
ISHWASHER	1.2	Cooling	3.33	
ISPOSAL	0.75	Mini Split	0.00	
IICROWAVE	1.8	100% of Nameplate Rating of AC and Cooling	3.33	220.82 C(1)
ATER HEATER	4.5	100% of Nameplate Rating of Heat Pump w/o Supplmental Heat	0.00	220.82 C(2)
RYER	5			` ′
OW WATER RECIRC PUMP	0.25	Heat Pump plus 65% of Supplemental Heat	9.77	220.82 C(3)
OTAL	14.00	Largest Heating or Cooling Load	13.23	220.84 C(5)
	<u>'</u>			

	JNTING FROM	FLUSH MC1			VOLTS 208 1 BUS AMPS NEUTRAL 1 0	40	0	3P 4W		N	AIC T.B.D. MAIN BKR LUGS STA	MLO
KT C	CKT BKR	LOAD KVA	CIRCUI	T DESCRI	PTION		CKT #	CKT BKR	LOAD KVA	CIRC	UIT DESC	RIPTION
3 2 2 3 5 7 2 2 3 5 7 9 1	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	0.295 0.495 1.08 0.9 0 0 0 0 0 0 0 0 0 0	LIGHTIN E-3, LI RECEPT RECEPT SPACE	IGHTING, TACLE	RECEPTACLE	о то	22 24 26 28 30 32 34 36 38 40	30/2 50/2 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	4.5 6.82 2.08 0 0 0 0 0 0 0 0 0 0	CU-C SPAC SPAC SPAC SPAC SPAC SPAC SPAC SPA	4 EE EE EE EE EE EE EE EE EE EE EE EE	
LAR	HTING RGEST OTOR		CONN KVA 0.33 6.82	CALC KVA 0.412 1.71	- (125%) (25%)		REC CON COO	ORS EPTACLES TINUOUS LING AL LOAD	2.18	ļ	CALC KVA 2.18 2.34 5.63 6.82	(100%) (50%>10) (125%) (100%)
							BALA LOA PHA PHA	ANCED 3-P	HASE		53 A 123% 89.2% 87.6%	

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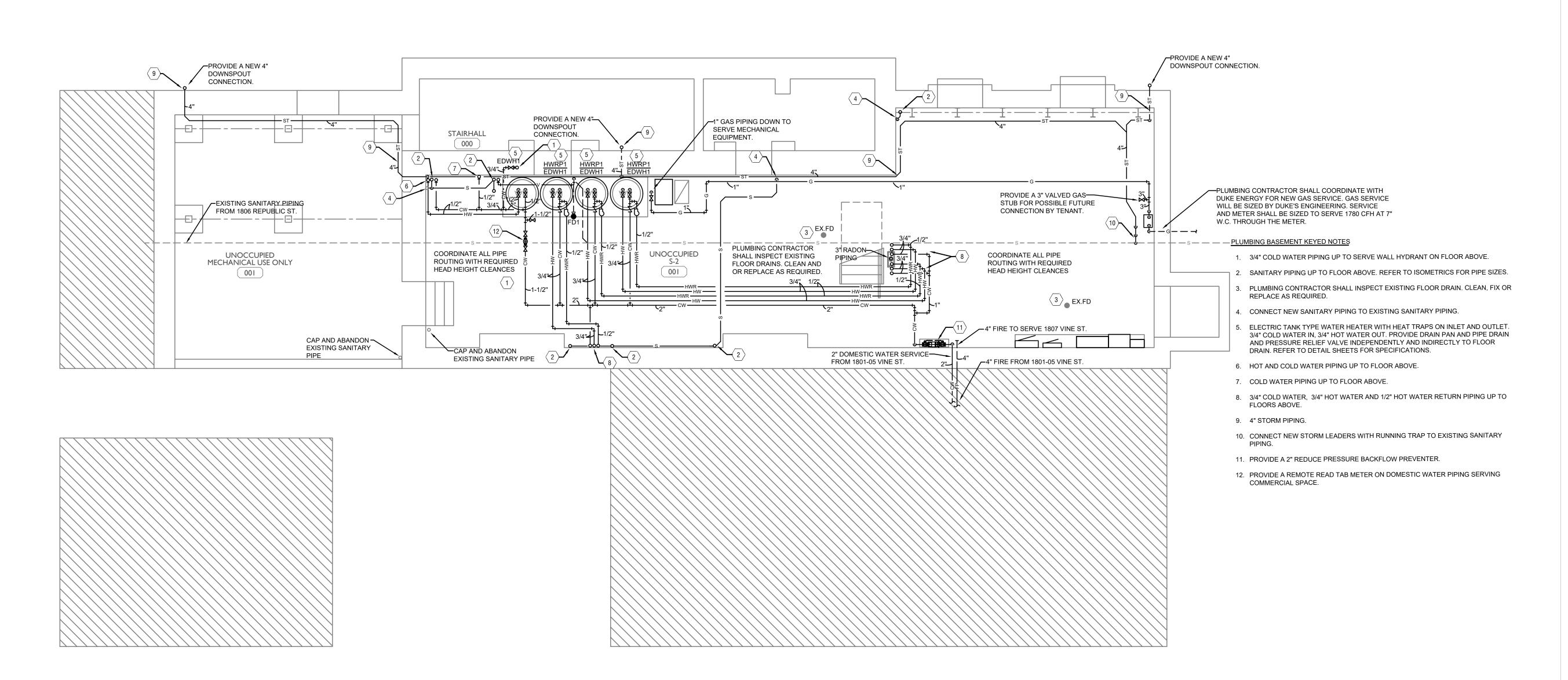
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Job No: 22042 8/10/2022



0-PLUMBING-BASEMENT-PLAN.dwg-EBS. Plot Date/Time: Aug 29, 2024-3:42pm - By \$(++)
ARED TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES, AND ARE INTENDED TO PROVID
ED IN CONSTRUCTION ARE INSTALLED IN ACCORDANCE WITH ANY CONTRACTURAL AGREEMENT



LATTE chitecture + design

SCOTT SEVERT STILLS SOONAL ENGINEERS

Progress Dates

05/05/2023 BID P/E/FP
08/30/2024 BID SET 2

Revisions

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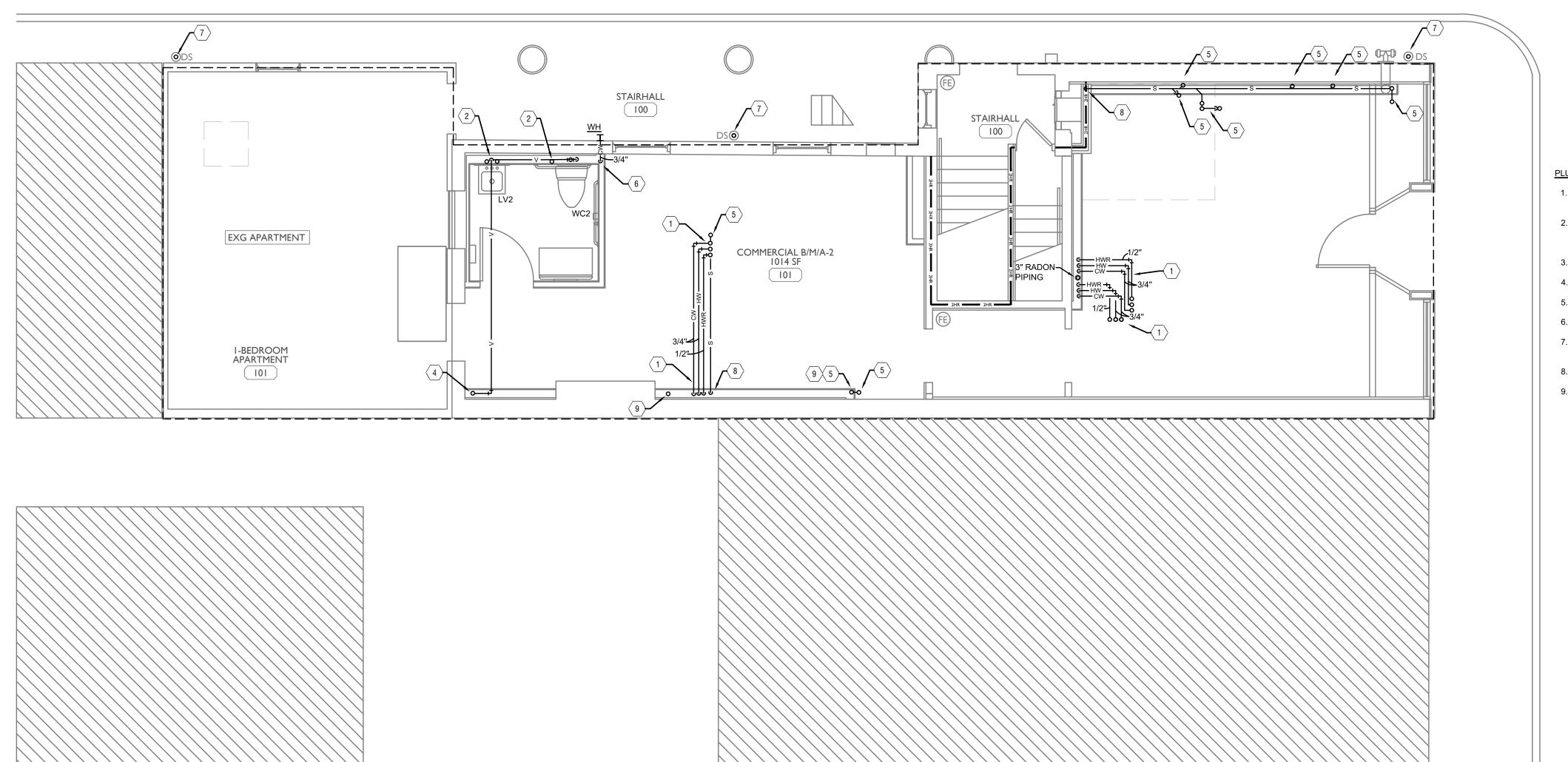
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O7 VINE ST.

Job No: 22042 8/10/2022

P1.00

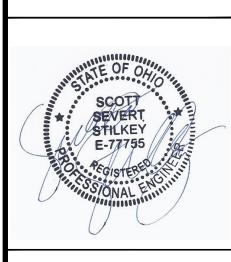
	PLUMBING LEGEND						
SYMBOL	DESCRIPTION						
s	SANITARY/WASTE PIPING BELOW FLOOR						
—-s—	SANITARY/WASTE PIPING ABOVE CEILING						
v	VENT PIPING						
——cw——	COLD WATER PIPING						
 нw 	HOT WATER PIPING						
——HWR——	HOT WATER RETURN PIPING						
—	NATURAL GAS PIPING						
——st——	STORM PIPING						
FD●	FLOOR DRAIN						
<u>rd</u> ©	ROOF DRAIN						
<u>od</u>	OVERFLOW DRAIN						
—₩—	BALL VALVE						
<u> —и—</u>	CHECK VALVE						
	BALANCING VALVE						
COO	CLEANOUT						
WH H	FROST PROOF WALL HYDRANT						
#	VENT THROUGH ROOF RISER INDICATOR						
O	HOT WATER RETURN PUMP						



1. 3/4" COLD WATER, 3/4" HOT WATER AND 1/2" HOT WATER RETURN PIPING UP AND DOWN.

- 1/2" HOT AND COLD WATER UP FROM FLOOR BELOW TO SERVE LAVATORY AND 1/2" COLD WATER UP FROM FLOOR BELOW TO SERVE WATER CLOSET. PROVIDE A POINT OF USE THERMOSTATIC MIXING VALVE ON SUPPLY LINES TO LAVATORY.
- 3. SANITARY PIPING UP TO SERVE PLUMBING FIXTURE ON FLOOR ABOVE.
- 4. VENT PIPING UP TO FLOOR ABOVE.
- 5. WASTE PIPING DOWN FROM FLOOR ABOVE.
- 6. 3/4" COLD WATER PIPING UP FROM FLOOR BELOW TO WALL HYDRANT.
- 7. PROVIDE A 4" DOWNSPOUT CONNECTION AND ROUTE INTO BUILDING AND DOWN TO BASEMENT.
- 8. WASTE PIPING DOWN TO FLOOR BELOW.
- 9. SANITARY PIPING UP AND DOWN.





05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

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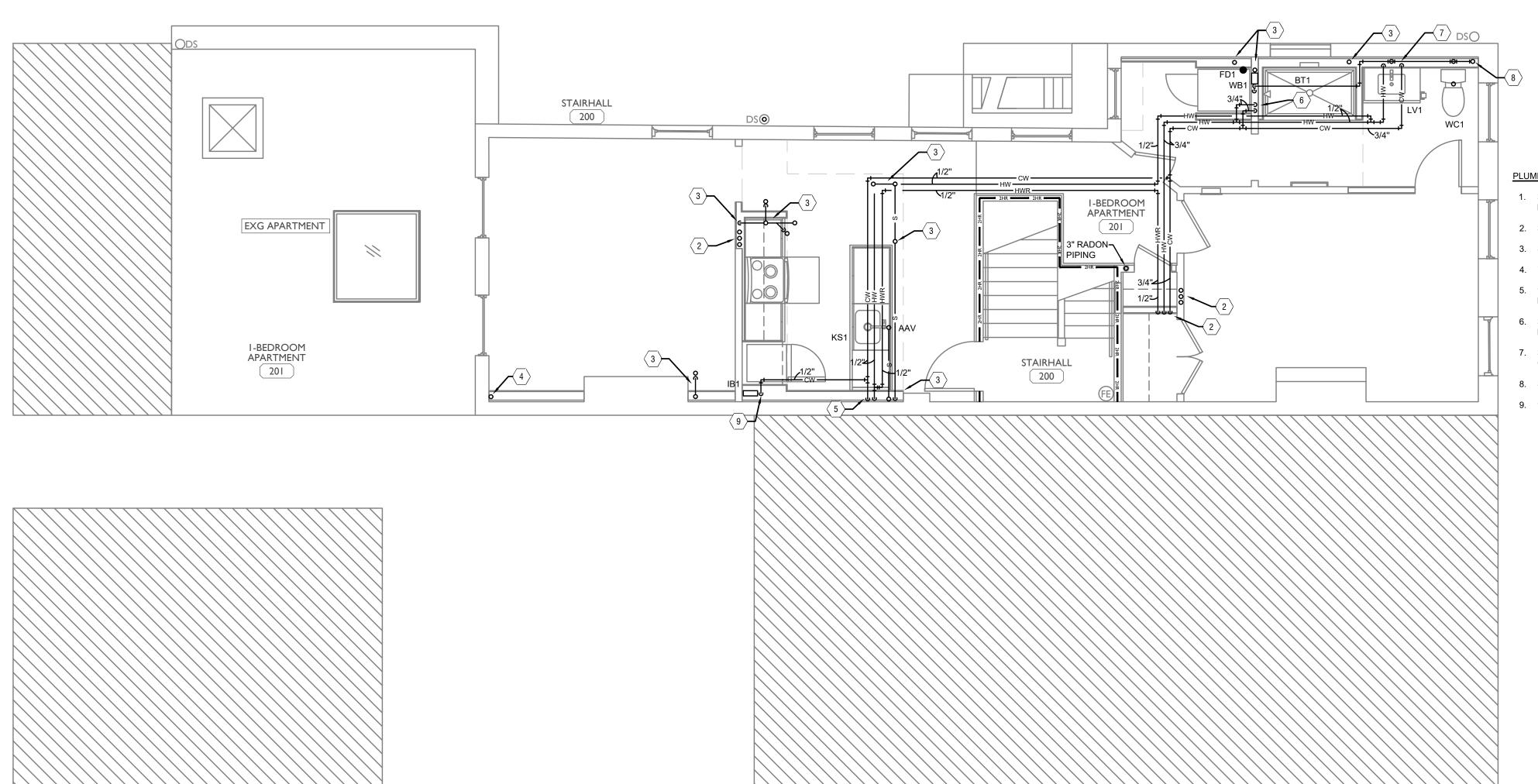
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	PLUMBING LEGEND
SYMBOL	DESCRIPTION
——s——	SANITARY/WASTE PIPING BELOW FLOOR
— s —	SANITARY/WASTE PIPING ABOVE CEILING
v	VENT PIPING
cw	COLD WATER PIPING
——HW——	HOT WATER PIPING
HWR	HOT WATER RETURN PIPING
— G—	NATURAL GAS PIPING
——st——	STORM PIPING
FD●	FLOOR DRAIN
<u>rd</u> ©	ROOF DRAIN
<u>od</u> ©	OVERFLOW DRAIN
─ ×	BALL VALVE
─ ⊁	CHECK VALVE
	BALANCING VALVE
CO•	CLEANOUT
WH H	FROST PROOF WALL HYDRANT
#	VENT THROUGH ROOF RISER INDICATOR
O	HOT WATER RETURN PUMP



1. 3/4" COLD WATER, 3/4" HOT WATER AND 1/2" HOT WATER RETURN PIPING UP AND

- 2. 3/4" HOT, COLD WATER AND 1/2" HOT WATER RETURN PIPING UP AND DOWN.
- 3. SANITARY PIPING UP TO SERVE PLUMBING FIXTURE ON FLOOR ABOVE.
- 4. VENT PIPING UP AND DOWN.
- 1/2" HOT AND COLD WATER PIPING DOWN TO SERVE KITCHEN SINK. EXTEND A 1/2" HOT WATER LINE TO SERVE DISHWASHER.
- 6. 3/4" HOT AND COLD WATER DOWN IN WALL. 1/2" HOT AND COLD WATER TO EACH
- 7. 3/4" COLD WATER AND 1/2" HOT WATER PIPING DOWN IN WALL. 1/2" HOT AND COLD WATER TO LAVATORY AND 1/2" COLD WATER TO WATER CLOSET.
- 8. SANITARY PIPING DOWN TO FLOOR BELOW. VENT PIPING UP TO FLOOR ABOVE.
- 9. 1/2" COLD WATER PIPING DOWN TO SERVE VALVE BOX FOR REFRIGERATOR.



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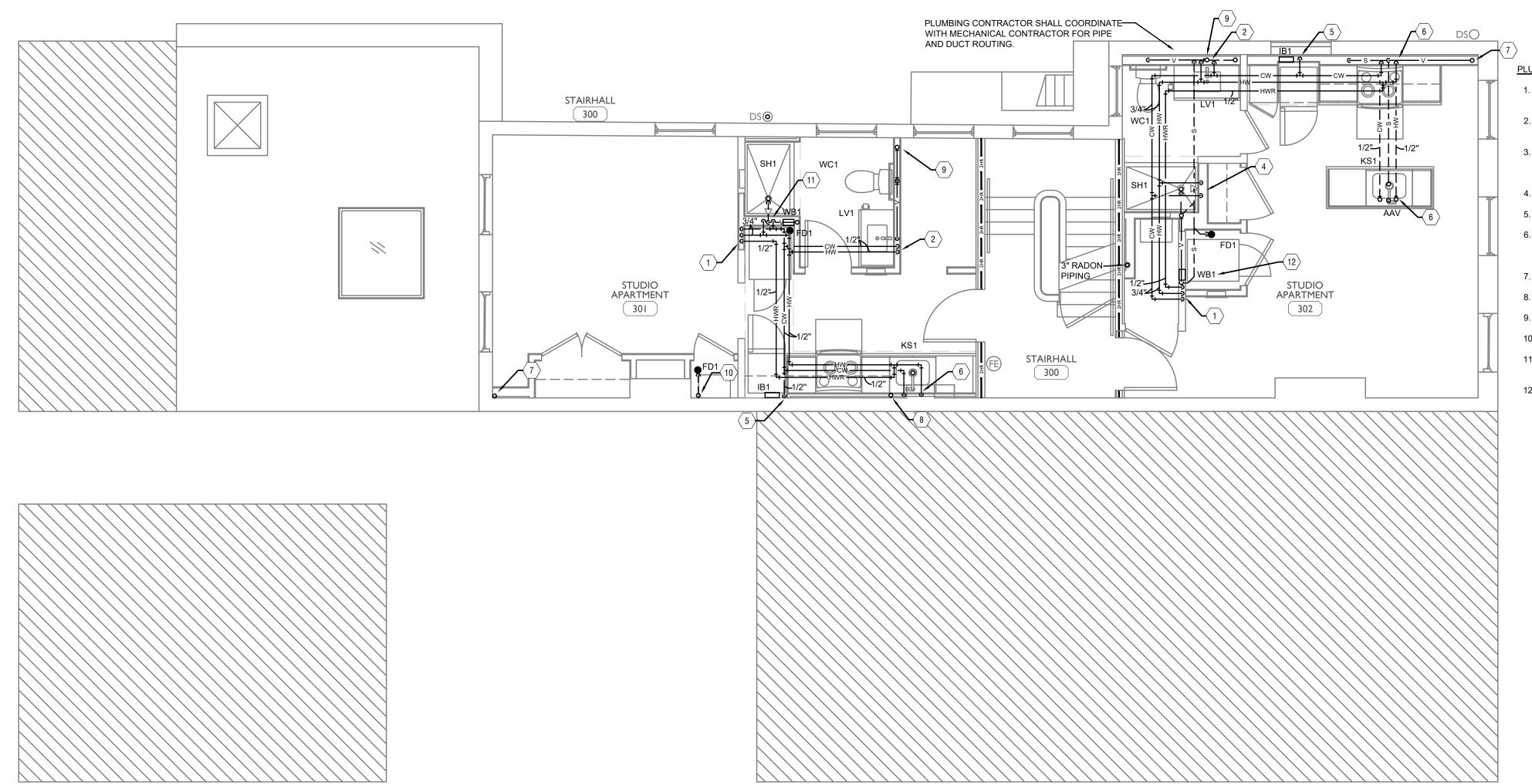
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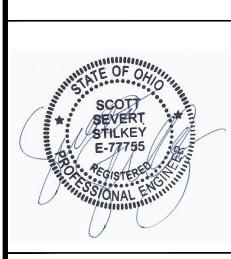
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	PLUMBING LEGEND
SYMBOL	DESCRIPTION
 s 	SANITARY/WASTE PIPING BELOW FLOOR
—-s—	SANITARY/WASTE PIPING ABOVE CEILING
v	VENT PIPING
	COLD WATER PIPING
——НW——	HOT WATER PIPING
HWR	HOT WATER RETURN PIPING
—— G ——	NATURAL GAS PIPING
st	STORM PIPING
FD●	FLOOR DRAIN
<u>rd</u> ©	ROOF DRAIN
<u>od</u>	OVERFLOW DRAIN
─ ×	BALL VALVE
─ ✓	CHECK VALVE
	BALANCING VALVE
CO •	CLEANOUT
WH H	FROST PROOF WALL HYDRANT
#	VENT THROUGH ROOF RISER INDICATOR
O	HOT WATER RETURN PUMP



UMBING THIRD FLOOR KEYED NOTES

- 1. 3/4" COLD WATER, 3/4" HOT WATER AND 1/2" HOT WATER RETURN PIPING UP AND
- 3/4" HOT AND COLD WATER DOWN IN WALL. 1/2" HOT AND COLD WATER TO LAVATORY AND SHOWER. 1/2" COLD WATER PIPING TO SERVE WATER CLOSET.
- 3. 1/2" HOT AND COLD WATER PIPING DOWN IN WALL. 1/2" COLD WATER TO VALVE BOX FRO REFRIGERATOR, 1/2" HOT AND COLD WATER PIPING TO SERVE KITCHEN SINK AND EXTEND A 1/2" HOT WATER LINE TO SERVE DISHWASHER.
- 4. 1/2" HOT AND COLD WATER TO SERVE PLUMBING FIXTURE.
- 5. 1/2" COLD WATER PIPING DOWN TO SERVE VALVE BOX FOR REFRIGERATOR.
- 1/2" HOT AND COLD WATER PIPING DOWN. 1/2" HOT AND COLD WATER TO SERVE COUNTERTOP SINK, 1/2" HOT WATER TO SERVE DISHWASHER AND 1/2" COLD WATER TO SERVE VALVE BOX.
- 7. VENT PIPING UP AND DOWN.
- 8. STACK WASTE VENT PIPE UP AND DOWN.
- 9. VENT PIPING UP TO FLOOR ABOVE.
- 10. SANITARY PIPING DOWN AND VENT PIPING UP.
- 11. 3/4" HOT AND COLD WATER DOWN IN WALL. 1/2" HOT AND COLD WATER TO SERVE SHOWER AND TO SERVE WASHER BOX.
- 12. EXTEND A 1/2"HOT AND COLD WATER PIPING IN WALL TO SERVE WASHER BOX.



Progress Dates 05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

Revisions

Checked By: sss

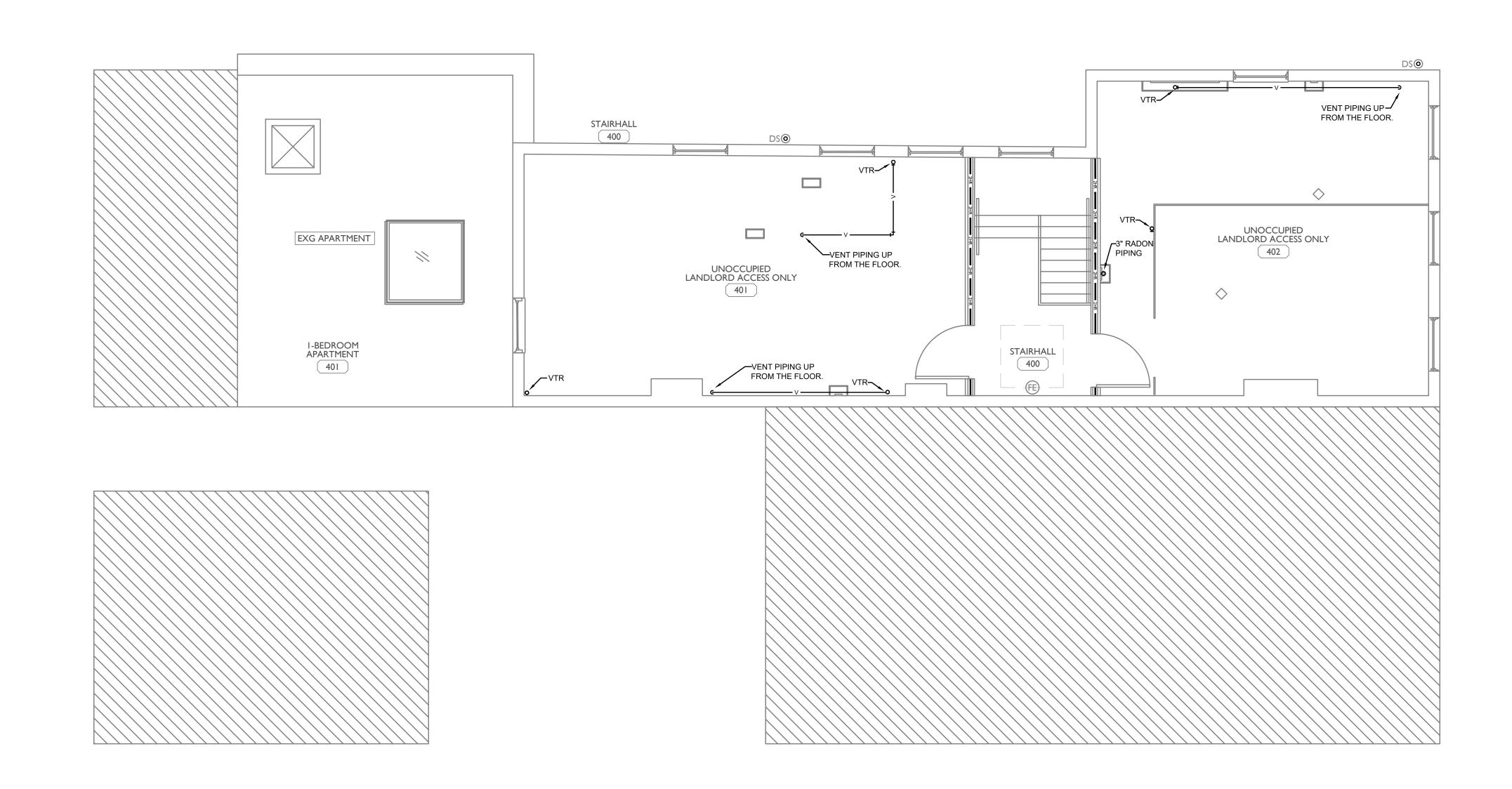
Drawn by: DAG



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	PLUMBING LEGEND
SYMBOL	DESCRIPTION
s	SANITARY/WASTE PIPING BELOW FLOOR
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RENOVATION No. 1807

1. GENERAL PLUMBING REQUIREMENTS

- a. THE PLUMBING CONTRACTOR MUST REFER TO SITE PLANS, ARCHITECTURAL PLANS AND ELEVATIONS. AND PRICING INSTRUCTIONS FROM THE GENERAL CONTRACTOR TO DEVELOP THEIR PRICE. THE PLUMBING CONTRACTOR'S PRICE (INCLUDING TAXES) SHOULD INCLUDE ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIONAL PLUMBING SYSTEM.
- b. THE PLUMBING CONTRACTOR SHALL BE LICENSED BY THE STATE OF OHIO TO INSTALL PLUMBING SYSTEMS
- c. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL CODES AND ORDINANCES. THE PLUMBING CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM
- d. SUBMIT TO THE ARCHITECT PDF FILE 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. e. REFER TO ARCHITECTURAL DRAWINGS, GENERAL NOTES, INSTRUCTIONS
- TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS, SPECIFICATIONS, AND DRAWINGS EXCEPT AS NOTED HEREIN WHICH APPLY IN ALL RESPECTS TO THIS SECTION. f. COORDINATE PIPING CHASES, SHAFTS, ABOVE CEILING WORK, ETC. WITH
- ARCHITECT. ALL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR g. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL
- NECESSARY PLUMBING PIPING PENETRATIONS. THIS INCLUDES CORING HOLES IN SLABS, ETC
- h. 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
- i. INSTALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES.
- . 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.
- k. 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 INFORMATION PROVIDED BY EBS
- a. THE INFORMATION PROVIDED IS 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
- a. COORDINATION DRAWINGS SHOWING SYSTEM AND COMPONENT INSTALLATION LAYOUT, ROUTING, DETAILS, ETC. SHALL BE PRODUCED BY THE PLUMBING 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, ETC. PRIOR TO INSTALLATION AND/OR FABRICATION. IF QUESTIONS CONCERNING DESIGN INTENT ARISE DURING COORDINATION, EBS CAN ASSIST WHERE APPROPRIATE.
- 4. PLUMBING FIXTURES a. SHUT OFF VALVES/STOPS SHALL BE PROVIDED AT ALL LAVATORIES, SINKS AND WATER CLOSETS.
- b. ALL WALL-HUNG PLUMBING FIXTURES, INCLUDING, BUT NOT LIMITED TO WATER CLOSETS, URINALS, LAVATORIES, AND SINKS SHALL BE ANCHORED TO THE FLOOR WITH CONCEALED IN-WALL CARRIERS. WALL-HUNG FIXTURES SHALL NOT BE SIMPLY BOLTED TO THE WALL OR ANCHORED TO WOOD BLOCKING.
- c. COORDINATE COLOR OF FIXTURES WITH ARCHITECT. FIXTURES SHALL BE WHITE UNLESS OTHERWISE NOTED
- d. PROVIDE ADA COMPLIANT FIXTURES WHERE INDICATED ON THE ARCHITECTURAL PLANS. PROVIDE OFFSET FIXTURE TAILPIECES AND TRAPS 8. BACKFLOW PREVENTION
- WHERE REQUIRED TO MEET ADA LEG CLEARANCES. e. FIXTURES SHALL BE SECURELY FASTENED TO PREVENT ANY MOVEMENT OF FIXTURE DURING NORMAL USE. SEAL TO WALL, FLOOR OR COUNTERTOP WITH SILICONIZED ACRYLIC-LATEX CAULK.

5. DRAIN PANS

- a. PROVIDE DRAIN PAN UNDER WATER HEATERS. PIPE WATER HEATER DRAIN AND PRESSURE RELIEF VALVE SEPARATELY AND INDIRECTLY TO FLOOR DRAIN (NOT TO DRAIN PAN) b. DRAIN PANS SHALL BE PROVIDED UNDER WASHERS AND SHALL BE SIZED
- TO ACCOMMODATE A STANDARD WASHER OR STACKABLE WASHER/DRYER AS APPLICABLE. BASIS OF DESIGN SHALL BE DRIPTITE 30-5/8" WIDE X 34-5/8" DEEP TRANSI UCENT PAN DRILL 3/4" OUTLET IN VERTICAL SIDEWALL FOR SIDE-OUTLET OR IN BOTTOM OF PAN DIRECTLY OVER DRAIN IF DRAIN IS UNDER THE PAN. DRAIN CONNECTION SHALL BE MADE WITH MANUFACTURER PROVIDED DRAIN OUTLET CONNECTION. PANS ARE AVAILABLE IN CUSTOM SIZES IF NECESSARY (COORDINATE SIZES AND LOCATIONS OF THE PAN WITH ROOM DIMENSIONS AND EQUIPMENT SIZES AS PROVIDED BY THE ARCHITECT/OWNER).

6. DOMESTIC WATER SYSTEMS

- a. PROVIDE A NEW DOMESTIC WATER SERVICE TO THE BUILDING b. PROVIDE SEPARATE VALVE AND TAB METER FOR EACH APARTMENT AND TENANT SPACE.
- c. INTERIOR DOMESTIC WATER PIPING:
- i. WHERE ALLOWED BY CODE, CPVC PIPING CAN BE USED. a. CPVC PIPING 2" AND SMALLER SHALL BE EQUAL TO FLOW GUARD GOLD - THIS SPECIFICATION COVERS COPPER TUBE SIZE (CTS) CPVC MANUFACTURED TO STANDARD DIMENSIONAL RATIO (SDR) 11 FOR HOT AND COLD DOMESTIC WATER DISTRIBUTION. THIS SYSTEM IS INTENDED FOR PRESSURE APPLICATIONS WHERE THE OPERATING TEMPERATURE WILL NOT EXCEED 180°F AT 100 PSI. PIPE AND FITTINGS SHALL BE MANUFACTURED FROM VIRGIN RIGID CPVC (CHLORINATED POLYVINYL CHLORIDE) VINYL COMPOUNDS WITH A CELL CLASS OF 24448 AS IDENTIFIED IN ASTM D 1784. CTS CPVC PIPE AND FITTINGS SHALL CONFORM TO ASTM D 2846. PIPE AND FITTINGS SHALL BE MANUFACTURED AS A SYSTEM AND BE THE PRODUCT OF ONE MANUFACTURER. ALL PIPE AND FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES. PIPE AND FITTINGS SHALL CONFORM TO NATIONAL SANITATION FOUNDATION (NSF) STANDARDS 14 AND 61. INSTALLATION SHALL COMPLY WITH LATEST INSTALLATION PROVIDED BY THE MANUFACTURER AND SHALL CONFORM TO ALL LOCAL PLUMBING, BUILDING AND FIRE CODE REQUIREMENTS. BURIED PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM F 1668. SOLVENT WELD JOINTS SHALL BE MADE USING CPVC CEMENT CONFORMING TO ASTM F 493. YELLOW ONE-STEP CEMENT MAY BE USED WITHOUT PRIMER. IF A PRIMER IS REQUIRED BY LOCAL PLUMBING OR BUILDING CODES, THEN A PRIMER CONFORMING TO ASTM F 656 SHOULD BE USED. THE SYSTEM SHALL BE PROTECTED FROM CHEMICAL AGENTS. FIRE STOPPING MATERIALS. THREAD SEALANT, PLASTICIZED VINYL PRODUCTS OR OTHER AGGRESSIVE CHEMICAL AGENTS NOT COMPATIBLE WITH CPVC COMPOUNDS. SYSTEMS SHALL BE HYDROSTATICALLY TESTED AFTER INSTALLATION. NEVER TEST

WITH OR TRANSPORT/STORE COMPRESSED AIR OR GAS IN CPVC PIPE OR

9. HOSE BIBS AND HYDRANTS SPECIFICATION COVERS THE MANUFACTURING REQUIREMENTS FOR CPVC

b. CPVC PIPING LARGER THAN 2" SHALL BE EQUAL TO CORZAN - THIS

SCHEDULE 80 IRON PIPE SIZE (IPS) PIPE AND FITTINGS. BOTH THE PIPE AND

THE REQUIREMENTS SET FORTH BY THE AMERICAN SOCIETY FOR TESTING

COMPOUND MEETS CELL CLASS 24448 AND THE FITTING COMPOUND MEETS

PROPERTIES MEET OR EXCEED THE REQUIREMENTS OF ASTM STANDARDS

MATERIALS (ASTM) AND ANSI/NSF STANDARDS 14 AND 61. CPVC PIPE AND

FITTINGS ARE FXTRUDED/MOLDED FROM CPVC COMPOUNDS. THE PIPE

CELL CLASS 23447 AS DEFINED BY ASTM D1784. BOTH THE PIPE AND THE

FITTING COMPOUNDS ARE CERTIFIED BY NSF INTERNATIONAL FOR USE

F441 FOR PIPE F439 FOR SOCKET FITTINGS AND ASTM F437 OR F439 FOR

THREADED FITTINGS. THREADED FITTINGS HAVE TAPER PIPE THREADS IN

ACCORDANCE WITH ASTM F1498, UNIONS AND FLANGES MEET OR EXCEED

THE REQUIREMENTS OF ASTM F1970. ALL SOCKET TYPE JOINTS SHALL BE

HANDLING OF SOLVENT CEMENTS SHALL BE IN ACCORDANCE WITH ASTM

REQUIREMENTS OF ASTM F493. THE STANDARD PRACTICE FOR SAFE

ASSEMBLED EMPLOYING SOLVENT CEMENTS THAT MEET OR EXCEED THE

F402. SOLVENT CEMENT SHALL BE LISTED BY NSF INTERNATIONAL FOR USE

WITH POTABLE WATER, AND APPROVED BY THE FITTINGS MANUFACTURERS.

WATER FILLED PIPE AND FITTINGS (1/2" THROUGH 6") TESTED IN GENERAL

ACCORDANCE WITH UL 723/ASTM E 84 (NFPA 255 AND UBC 8-1) MEETS THE

25/50 FLAME AND SMOKE REQUIREMENT AND SHALL BE PERMITTED TO BE

TESTING LABORATORY SHALL BE OBTAINED AND MADE AVAILABLE UPON

OF ASTM STANDARDS F437, F438 OR F1970. THE PIPE AND FITTINGS

MARKINGS STATE THE PIPE/FITTING MANUFACTURE'S NAME OR

SHALL BE PEX-A TYPE AND FITTINGS SHALL BE EQUAL TO UPONOR

AQUAPEX. TUBING AND FITTINGS MUST CONFORM TO ASTM

ALLOW TUBING TO COME IN CONTACT WITH PIPE THREAD

POTABLE WATER AND THE ASTM DESIGNATION.

REQUEST. THE MARKING ON THE CPVC PIPE MEET THE REQUIREMENTS OF

TRADEMARK, THE MATERIAL DESIGNATION, THE SIZE, THE NSF MARK FOR

ii. WHERE ALLOWED BY CODE, PEX TUBE AND FITTINGS CAN BE USED. TUBING

F876 "STANDARD SPECIFICATION FOR CROSSLINKED POLYETHYLENE, ASTM

F877 "STANDARD FOR CROSSLINKED POLYETHYLENE PLASTIC HOT AND

COLD WATER DISTRIBUTION SYSTEMS". PROVIDE ENGINEERED PLASTIC

FITTINGS WITH PLASTIC COLLARS WHICH CONFORM TO ASTM F1960

STANDARD SPECIFICATION FOR COLD EXPANSION FITTINGS WITH PEX

REINFORCING RINGS FOR USE WITH CROSSLINKED POLYETHYLENE PIPING

PEX TUBING AND CONNECTIONS SHALL BE WARRANTED FOR A PERIOD OF

25 YEARS. DO NOT WELD, GLUE, TAPE OR ALLOW OTHER SOLVENT BASED

ADHESIVES OR PAINTS TO COME INTO CONTACT WITH TUBING. DO NOT

FIXTURES. DO NOT EXPOSE TUBING TO OPEN FLAME. DO NOT SOLDER

WITHIN 18" OF TUBING. DO NOT INSTALL TUBING BETWEEN TUB SPOUT AND

SHOWER VALVE. RADIUS OF BENDS MUST NOT EXCEED SIX TIMES OUTSIDE

TUBE DIAMETER. REPAIR KINKS IN TUBING USING HEAT AS RECOMMENDED

LENGTHS, AS DIRECTLY AS POSSIBLE TO REMOTE MANIFOLD WITH MINIMUM

SHALL BE SPACED AT 32" MINIMUM HORIZONTALLY AND 60" VERTICALLY AND

BY MANUFACTURER. TUBING SHALL BE INSTALLED IN MAXIMUM PRACTICAL

FITTINGS. TUBING SHALL BE SUPPORTED IN A MATTER THAT DOES NOT

WITHIN 6" OF FITTINGS OR BENDS. USE BEND SUPPORTS AT 90 DEGREE

PLATES WHERE TUBING PENETRATES STUDS AT FACE OF STUDS. REMOTE

WHERE TUBING IS TERMINATED (MODIFIED HOME-RUN INSTALLATION TYPE).

CONNECTION OF TUBING TO FITTINGS. DO NOT OVER EXPAND TUBING. PIPE

SHALL BE SUPPORTED AT FITTINGS AND FIXTURES AS RECOMMENDED BY

MANUFACTURER. PIPING SHALL BE INSTALLED WITH MINIMUM AMOUNT OF

FITTINGS. USE MANUFACTURER APPROVED VALVES, FITTINGS, HOSE BIBS

 $\hbox{d. CONTROL VALVES SHALL BE MANUFACTURED BY OR APPROVED BY PIPING}\\$

f. PROVIDE HOT WATER RETURN PUMP EQUAL TO BELL AND GOSSETT SERIES

g. PROVIDE AUTOMATIC TIMER KIT EQUAL TO BELL AND GOSSETT MODEL TC-1

AND PROGRAM PUMP TO OPERATE TO ACCOMMODATE THE OWNER'S

a. PROVIDE VALVE AND TAB METERS TO ISOLATE WATER USAGE FOR EACH

OF METER AND LOCATE IN AN ACCESSIBLE LOCATION.

b. BACKFLOW PREVENTERS FOR 2" AND SMALLER WATER

SHALL BE CONBRACO AND WILKINS.

DWELLING UNIT AND TENANT SPACE. PROVIDE SHUT-OFF VALVE UPSTREAM

a. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER ON WATER SERVICE

SERVICES - PROVIDE REDUCED PRESSURE BACKELOW PREVENTER ON THE

WATER SERVICE MAIN WHERE THE WATER SERVICE ENTERS THE BUILDING.

OVERFLOW ROOF DRAIN

WATER CLOSET DESCRIPTION

WC1 | FLOOR-SET TANK

SIOUX CHIEF

| FIXTURE MANUFACTURER

868-E-S-U-STP2

FIXTURE MODEL #

AMERICAN STANDARD CADET 3 WITH CONCEALED TRAPWAY NOT APPLICABLE

REDUCED PRESSURE BACKFLOW PREVENTER TO BE EQUAL TO WATTS

SERIES LF919QT. APPROVED MANUFACTURERS OF EQUAL PRODUCTS

100 OR EQUAL PUMP MANUFACTURED BY ARMSTRONG, GRUNDFOS, OR

e. ADJUST ALL STOPS AND VALVES PROPERLY PRIOR TO PROJECT

DAMAGE TUBING AND ALLOWS FOR THERMAL EXPANSION. SUPPORTS

BENDS. PROTECT INSTALLED TUBING FROM DAMAGE. INSTALL METAL

MANIFOLD TYPE FITTINGS SHALL BE UTILIZED AT BRANCHES IN ROOMS

UTILIZE EXPANDER TOOLS RECOMMENDED BY MANUFACTURER FOR

AND BOXES AT FIXTURES.

HOURS OF OPERATION.

7. TAB METERS FOR DOMESTIC WATER

MANUFACTURER.

COMPLETION.

COMPOUNDS, FIREWALL PENETRATION SEALING COMPOUNDS, AND

PETROLEUM BASED SEALANTS. DO NOT ALLOW TUBING TO COME

WITHIN 6" OF GAS APPLIANCE VENTS OR 12" OF RECESSED LIGHT

ASTM F441 AND THE MARKING ON THE FITTINGS MEETS THE REQUIREMENTS

INSTALLED IN RETURN AIR PLENUMS. TEST REPORTS FROM A THIRD PARTY

WITH POTABLE WATER. DIMENSIONS, TOLERANCES AND PHYSICAL

FITTINGS ARE MANUFACTURED IN NORTH AMERICA AND MEET OR EXCEED

- a. PROVIDE FROST-PROOF EXTERIOR WALL HYDRANTS ON EACH ELEVATION
- OF THE BUILDING. b. WALL HYDRANTS TO BE EQUAL TO 3/4" WOODFORD MODEL B-67, WITH CHROME FINISH ON BRASS CASTING, WITH BOX AND HINGED DOOR, AND LOOSE-TEE KEY. CONCEAL WITHIN INTERIOR PARTITIONS AND/OR INSTALL IN A MANNER THAT PREVENTS FREEZING. FURNISH TO OWNER, ONE VALVE KEY FOR EACH KEY OPERATED WALL HYDRANT INSTALLED. APPROVED MANUFACTURERS OF EQUAL PRODUCTS SHALL BE ZURN, WADE, JOSAM, SMITH, OR WATTS.

- 10. SANITARY AND VENT SYSTEMS a. CONNECT NEW SANITARY PIPING TO THE EXISTING SANITARY STACKS AND/OR UNDERGROUND SANITARY BUILDING SEWER. CONTRACTOR SHALL CLEAN AND INSPECT EXISTING UNDERGROUND BUILDING SEWER, SEWER LATERAL AND ALL PIPING INTENDED TO BE REUSED TO DETERMINED CONDITION FOR REUSE. PROVIDE INSPECTION REPORT AND
- RECOMMENDATION TO OWNER. b. CUT AND PATCH BASEMENT SLAB AS REQUIRED TO INSTALL NEW SANITARY 17. VALVES FOR DOMESTIC WATER

c. INTERIOR SANITARY, WASTE, AND VENT PIPING:

- i. WHERE NOT INSTALLED IN A PLENUM, SANITARY, WASTE, AND VENT PIPING WITHIN BUILDING TO BE SCHEDULE 40 PVC PIPING AND FITTINGS CONFORMING TO ASTM D 2665, SOLID-WALL DRAIN PIPING WITH PVC SOCKET SOLVENT WELD FITTINGS CONFORMING TO ASTM D2665, MADE TO ASTM D3311, DRAIN, WASTE, AND VENT PATTERNS
- ii. WHERE PIPING SHALL BE INSTALLED IN A PLENUM, SANITARY, WASTE, AND VENT PIPING WITHIN BUILDING TO BE NO-HUB, CAST-IRON PIPE WITH NO-HUB COUPLINGS CONSISTING OF A STAINLESS STEEL SHIELD, CLAMP. AND NEOPRENE GASKET. COUPLINGS SHALL BE TESTED AND CERTIFIED TO CISPI 310, ASTM C1277, ASTM C564, AND NSF. IDEAL CLAMP PRODUCTS'
- HEAVY DUTY POW'R GEAR (RED SHIELD) COUPLINGS ARE ALSO APPROVED AND ACCEPTABLE. THESE COUPLINGS ARE LISTED WITH NSF INTERNATIONAL AND CONFORM WITH ASTM C1540 PERFORMANCE REQUIREMENTS (SHEAR, DEFLECTION AND UNRESTRAINED THRUST TESTS). d. COORDINATE WITH LOCAL AUTHORITIES FOR DRAINAGE REQUIREMENTS

FOR EQUIPMENT DESIGNATED WITH INDIRECT WASTE TO FLOOR DRAINS.

PROVIDE PIPED DRAIN TO SANITARY IF REQUIRED BY LOCAL JURISDICTION.

- a. PROVIDE FLOOR DRAINS IN ALL TOILET ROOMS THAT HAVE MORE THAN ONE WATER CLOSET OR URINAL.
- b. PROVIDE FLOOR DRAINS FOR ALL EQUIPMENT PRODUCING CONDENSATE AND THAT HAVE DRAIN CONNECTIONS.

FLANGE, WEEP HOLES, WITH 9" DIAMETER HEAVY-DUTY DUCTILE IRON

- c. FLOOR DRAINS IN FINISHED AREAS TO BE PVC BODY, DOUBLE DRAINAGE FLANGE, WEEP HOLES, WITH 6" DIAMETER NICKEL BRONZE STRAINER. d. FLOOR DRAINS IN MECHANICAL SPACE TO BE PVC BODY, DOUBLE DRAINAGE
- STRAINER. e. PROVIDE CAST IRON BODIED FLOOR DRAINS WHERE DRAINS ARE INSTALLED IN A PLENUM (MECHANICAL ROOMS THAT ARE USED AS

12. TRAP SEAL PROTECTION

- a. TRAP SEALS SUBJECT TO EVAPORATION SHALL BE PROTECTED BY ONE OF THE METHODS BELOW, AS APPROVED BY THE LOCAL PLUMBING AUTHORITY
- HAVING JURISDICTION: b. BARRIER-TYPE TRAP SEAL PROTECTION DEVICE - A BARRIER-TYPE TRAP SEAL PROTECTION DEVICE MUST PROTECT THE TRAP SEAL FROM EVAPORATION. BARRIER-TYPE TRAP SEAL PROTECTION DEVICES MUST CONFORM TO ASSE 1072. THE DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

- a. CONNECT NEW STORM PIPING TO EXISTING SEWER LATERAL. b. CUT AND PATCH BASEMENT SLAB AS REQUIRED TO INSTALL NEW STORM
- c. PROVIDE NEW PRIMARY AND SECONDARY ROOF DRAINS AND ASSOCIATED PRIMARY AND SECONDARY STORM PIPING SYSTEMS WHERE INTERIOR DRAINS ARE SHOWN ON ARCHITECTURAL ROOF PLAN. SECONDARY ROOF DRAINS SHALL BE PIPED INDEPENDENTLY FROM THE PRIMARY SYSTEM AND MUST DISCHARGE THROUGH DOWNSPOUT NOZZLES LOCATED IN THE

EXTERIOR WALL AT GRADE. d. INTERIOR STORM PIPING:

i. WHERE NOT INSTALLED IN A PLENUM, ABOVEGROUND STORM PIPING WITHIN BUILDING SHALL BE SCHEDULE 40 PVC PIPING AND FITTINGS CONFORMING TO ASTM D 2665. SOLID-WALL DRAIN PIPING WITH PV0 SOCKET SOLVENT WELD FITTINGS CONFORMING TO ASTM D2665, MADE TO ASTM D3311, DRAIN, WASTE, AND VENT PATTERNS.

14. STORM PIPING SPECIALTIES

- a. PRIMARY ROOF DRAINS MUST HAVE PVC BODY AND POLYETHYLENE DOME. b. SECONDARY ROOF DRAINS MUST HAVE PVC BODY, POLYETHYLENE DOME, AND INTERNAL WATER DAM/EXTENSION COLLAR.
- c. DOWNSPOUT NOZZLES FOR SECONDARY DRAINAGE DISCHARGING TO GRADE MUST HAVE NICKEL-BRONZE BODY AND REMOVABLE STAINLESS-STEEL SCREEN EQUAL TO ZURN Z199-SS.

a. PROVIDE FLOOR AND WALL CLEANOUTS WHERE REQUIRED IN ALL SOIL, WASTE. DRAIN AND STORM PIPING. IN AREAS WITH CERAMIC TILE OR CARPETED FLOORING. PROVIDE CLEANOUTS WITH SQUARE. ADJUSTABLE NICKEL BRONZE TOP. IN AREAS WITH RESILIENT FLOORING, PROVIDE CLEANOUTS WITH SQUARE, ADJUSTABLE, NICKEL BRONZE TOP WITH TILE RECESS. CLEANOUTS SHALL BE SAME SIZE AS PIPE EXCEPT THAT CLEANOUTS LARGER THAN 4" WILL NOT BE REQUIRED. WHERE CLEANOUTS OCCUR IN WALLS OF FINISHED AREAS, THEY SHALL BE CONCEALED BEHIND CHROME PLATED ACCESS COVERS.

16. VALVES - GENERAL

- a. PLUMBING CONTRACTOR MUST PROVIDE VALVES AS NECESSARY FOR PROPER SYSTEM OPERATION AND COMPONENT ISOLATION. INSTALL VALVES FOR EACH ISOLATED FIXTURE OR GROUP OF FIXTURES, AND EACH CONNECTION TO EQUIPMENT.
- b. LOCATE SHUT-OFF VALVES ADJACENT TO EQUIPMENT FOR EASY ACCESS SUCH THAT VALVES CAN BE REACHED WITHOUT MOVING EQUIPMENT.

- a. VALVES FOR DOMESTIC WATER MUST MEET THE REQUIREMENTS OF THE LEAD-FREE LAW S.3874. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE LEAD-FREE PRODUCTS AS MANDATED BY THE LAW AND AS
- REQUIRED/INTERPRETED BY THE AUTHORITY HAVING JURISDICTION. b. PROVIDE VALVES FOR WORKING PRESSURE IN WATER PIPING OF 125 PSI OR
- c. GENERAL DUTY SHUT-OFF BALL VALVES
- . PROVIDE TWO-PIECE, FULL PORT, SILICON BRONZE BALL VALVES WITH THE CAPABILITY OF ACCEPTING EXTENDED OPERATING HANDLES (FOR INSULATED PIPING). VALVES SHALL BE NIBCO MODEL T/S/PC-595-Y-66-LF (-NS) OR EQUAL PRODUCT MANUFACTURED BY AMERICAN VALVE CO, CRANE, HAMMOND, MILWAUKEE, RED-WHITE VALVE CORPORATION, OR
- d. BALANCING VALVES
- . BALANCING VALVES SHALL BE EQUAL TO CIRCUITSOLVER, THERMOSTATIC, SELF-ACTUATING BALANCING VALVES WITH UNIONS, THERMOMETER AND TWO INTEGRATED BALL VALVES. e. THERMOSTATIC MIXING VALVES
- i. TEMPERED WATER SHALL BE DELIVERED FROM PUBLIC HAND-WASHING FACILITIES (LAVATORIES AND SINKS) THROUGH AN APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070. SET OUTLET TEMPERATURE OF THERMOSTATIC MIXING VALVE TO 110 DEGREES F. POINT-OF-USE THERMOSTATIC MIXING VALVES SHALL BE EQUAL TO WATTS SERIES USG-B. ROUTE TEMPERED WATER TO HOT WATER SIDE OF SINK/LAVATORY. ACCEPTABLE MANUFACTURERS INCLUDE SYMMONS, LAWLER, LEONARD, POWERS, BRADLEY, AND WATTS.

18. EXPANSION COMPENSATION

- a. PROVIDE EXPANSION COMPENSATION ON ALL PIPING PER PIPING MANUFACTURER'S RECOMMENDATIONS. ACCOUNT FOR PIPE MATERIAL PIPE SIZE, PIPE LENGTHS, TEMPERATURE OF FLUIDS, AND ALL OTHER VARIABLES PERTAINING TO THE INSTALLATION.
- b. INSTALL PIPING TO PREVENT STRAINS AND STRESSES THAT EXCEED THE STRUCTURAL STRENGTH OF THE PIPE. WHERE NECESSARY, PROVISIONS SHALL BE MADE TO PROTECT PIPING FROM DAMAGE RESULTING FROM
- EXPANSION, CONTRACTION, AND STRUCTURAL SETTLEMENT. c. EXPANSION JOINT FITTINGS SHALL BE USED ONLY WHERE NECESSARY TO PROVIDE EXPANSION AND CONTRACTION OF THE PIPES. EXPANSION JOINT FITTINGS SHALL BE OF THE TYPICAL MATERIAL SUITABLE FOR USE WITH
- THE TYPE OF PIPING IN WHICH SUCH FITTINGS ARE INSTALLED d. IN LIEU OF PROVIDING EXPANSION JOINTS, PIPING OFFSETS SHALL BE PERMITTED WHEN INSTALLED PER THE PIPING MANUFACTURER'S

RECOMMENDATIONS. 19. HANGERS & SUPPORTS

a. THE PLUMBING CONTRACTOR MUST FURNISH ALL PIPE SUPPORTS REQUIRED FOR THEIR WORK. ALL PIPING SHALL BE SUPPORTED PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED WHERE REQUIRED TO PREVENT SAGGING. WHERE ALTERNATIVE PIPING MATERIALS ARE USED. HANGER SPACING CAN BE REDUCED AS RECOMMENDED BY THE MANUFACTURER AND WHERE ALLOWED BY CODE.

- a. PROVIDE THERMAL INSULATION ON ALL METALLIC DOMESTIC COLD WATER, DOMESTIC HOT WATER, DOMESTIC HOT WATER RETURN PIPING WITH SELE-SEALING CLOSED CELL ELASTOMERIC FOAM PROVIDE A CONTINUOUS VAPOR TIGHT SEAL. INSULATION SHALL BE CONTINUOUS THRU ALL WALLS AND FLOORS. NFPA FIRE HAZARD RATING FOR INSULATION, ADHESIVES, SEALERS, AND COATINGS MUST NOT EXCEED 25 FOR FLAME SPREAD AND 50 FOR SMOKE DEVELOPED, UNLESS OTHERWISE REQUIRED BY THE LOCAI AUTHORITY OR ENERGY CODES. THE MINIMUM INSULATION LEVELS SHALL BE AS FOLLOWS:
- . PROVIDE 1" THICK ELASTOMERIC INSULATION ON HOT AND HOT WATER RETURN PIPING
- b. PROVIDE INSULATION ON ALL PEX PIPING WHEN USED IN PLENUMS AND WHERE REQUIRED TO MAINTAIN THE REQUIRED FLAME AND SMOKE RATINGS. MOST PEX PIPING 3/4" AND SMALLER SHALL BE INSULATED TO MAINTAIN ITS PLENUM RATED PROPERTY IF 18" SEPARATION BETWEEN THE PIPING CANNOT BE PROVIDED.

21. INSULATION FOR HANDICAP ACCESSIBLE FIXTURES (WHERE NOT PROTECTED

a. ALL HANDICAP LAVATORY P-TRAP AND ANGLE STOP ASSEMBLIES SHALL BE INSULATED WITH TRAP WRAP PROTECTIVE KIT MANUFACTURED BY PROFLO MODEL PF200 SERIES OR EQUAL. PROVIDE OFFSET TRAPS FOR HANDICAP ACCESSIBLE FIXTURES WHERE REQUIRED. ABRASION RESISTANT ANTI-MICROBIAL VINYL EXTERIOR COVER SHALL BE SMOOTH. FOR TRAPS THE INSULATION MUST HAVE A CLEANOUT NUT CAP TO ALLOW SERVICE TO THE TRAP WITHOUT DISASSEMBLY. FOR STOPS, THE INSULATION MUST HAVE A LOCK LID THAT PREVENTS TAMPERING BUT ALLOWS ACCESS WITHOUT REMOVAL OF THE INSULATION. FASTENERS MUST REMAIN SUBSTANTIALLY OUT OF SIGHT. ACCEPTABLE MANUFACTURERS INCLUDE PROFLO, TRUEBRO, PLUMBEREX, AND DEARBORN.

22. CONCRETE HOUSEKEEPING PADS

- a. ALL FLOOR-MOUNTED EQUIPMENT SHALL BE INSTALLED LEVEL AND PLUMB ON 4" THICK CONCRETE HOUSEKEEPING PAD.
- 23. ESCUTCHEON PLATES a. INSTALL ONE-PIECE CHROME PLATED BRASS WALL PLATE EQUIPPED WITH

SET SCREW AROUND ALL EXPOSED PIPE PASSING THROUGH WALLS IN

24. ACCESS PANELS a. LOCATE VALVES IN READILY ACCESSIBLE LOCATIONS. WHERE VALVES SHALL BE INSTALLED ABOVE NON-ACCESSIBLE CEILINGS, PROVIDE ACCESS PANELS. ACCESS PANELS SHALL BE PAINTABLE METAL. COORDINATE ACCESS PANEL SIZES AND LOCATIONS WITH THE ARCHITECT.

25. 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 MUST 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.

- 26. FLASHING & COUNTERFLASHING a. PROVIDE ROOF FLASHING AND COUNTERFLASHING FOR ALL ROOF PENETRATIONS.
- 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

27. CATHODIC PROTECTION a. PROVIDE DIELECTRIC INSULATION AT POINTS WHERE COPPER OR BRASS PIPE COMES IN CONTACT WITH FERROUS PIPING, REINFORCING STEEL OR OTHER DISSIMILAR METAL IN STRUCTURE.

- 28. EXCAVATION, TRENCHING & BACKFILL a. DO ALL EXCAVATION, TRENCHING & BACKFILL REQUIRED FOR THE INSTALLATION OF PLUMBING WORK.
- b. ALL BACKFILL SHALL BE COMPACTED & BROUGHT TO FINISHED GRADE AND MUST MATCH SURROUNDING CONDITIONS
- c. RESTORE ALL DISTURBED FLOORING TO ORIGINAL CONDITION. d. ALL PIPING SHALL BE LAID ON A BED OF SAND. 6" THICK MINIMUM. BACKFILI UNDER BUILDING AND ALL DRIVES, ROADS AND WALKS WITH BANK-RUN

29. CUTTING AND PATCHING

DISSIMILAR METALS

- a. CUT AND PATCH WALLS AND FLOORS TO MATCH BUILDING CONSTRUCTION WHERE REQUIRED TO INSTALL ALL PLUMBING.
- a. INSTALL UNIONS AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT INSTALL DIELECTRIC COUPLINGS TO CONNECT PIPING MATERIALS OF

31. INSTALLATION

a. INSTALL PIPING FREE OF SAGS AND BENDS. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS. GYPSUM-BOARD PARTITIONS, CONCRETE FLOOR, AND ROOF SLABS. SEAL PIPE PENETRATIONS THROUGH RATED CONSTRUCTION WITH FIRESTOPPING SEALANT MATERIAL. UNDERGROUND WATER AND SEWER LINES SHALL BE LAID IN SEPARATE TRENCHES WITH A MINIMUM HORIZONTAL SPACING AS REQUIRED BY CODE, EXCAVATED TO THE PROPER DEPTH AND GRADED TO PRODUCE THE REQUIRED FALL.

a. ALL PLUMBING WORK SHALL BE TESTED & APPROVED BY INSPECTOR PRIOR TO BEING BACKFILLED, CONCEALED & PUT INTO SERVICE. AFTER TESTING IS COMPLETE & APPROVED, THE PLUMBING CONTRACTOR MUST DISINFECT THE POTABLE WATER SYSTEM AS REQUIRED BY LOCAL AUTHORITY. TEST WATER PURITY ACCORDING TO LOCAL REQUIREMENTS AND SUBMIT CERTIFIED TEST RESULTS TO OWNER FOR REVIEW AND APPROVAL.

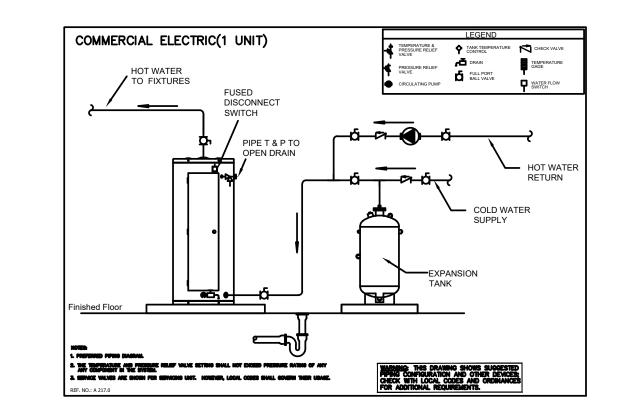
- a. SUBMIT TO THE ARCHITECT PDF FILE COPIES OF COMPLETE & CERTIFIED SHOP DRAWINGS, DESCRIPTIVE DATA, PERFORMANCE DATA & RATINGS, DIAGRAMS AND SPECIFICATIONS ON ALL SPECIFIED EQUIPMENT, INCLUDING ACCESSORIES, AND MATERIALS FOR REVIEW.
- b. THE MAKE, MODEL NUMBER, TYPE, FINISH & ACCESSORIES OF ALL EQUIPMENT AND MATERIALS SHALL BE REVIEWED & APPROVED BY THE PLUMBING CONTRACTOR & GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT FOR THEIR REVIEW & APPROVAL.
- c. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE PLUMBING CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS & APPLICABLE CODES.

34. OWNER'S INSTRUCTIONS

a. PROVIDE TWO SETS OF COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS WITH DRAWINGS, TYPEWRITTEN INSTRUCTIONS AND OPERATING SEQUENCES AND DESCRIPTIVE DATA SHEETS. ASSEMBLE EACH SET IN A HARD-BOUND COVER.

- a. THE PLUMBING CONTRACTOR MUST 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 AND THE PLUMBING CONTRACTOR WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE TO
- b. RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE EQUIPMENT, MATERIALS AND WORKMANSHIP. END OF DIVISION 22 - PLUMBING

GAS INPUT SCHEDULE FOR 1807 VINE ST SERVICE ADDRESS: 1807 VINE ST CINCINNATI OH GAS SERVICE LENGTH: TRD TOTAL EOUIVALENT LENGTH OF PIPE: 125 JUMBER OF METERS: 1 REQUIRED DELIVERY PRESSURE: 7"W.C **EQUIPMENT** LOAD (CFH) FURNACE FUTURE GAS LOAD 1700 BUILDING TOTAL



ACCEPTABLE MANUFACTURERS

AMERICAN STANDARD, KOHLER, ZURN

						WATER HEATER SCHEDU	LE					
MARK	MANUFACTURER	MODEL	HEIGHT	CONNECTION	GALLON	KW INPUT	VOLTAGE	PHASE	GPH @ 90		ADDITIONAL INFORMATION	
EDWH1	A.O SMITH E	TH ENT-40 TALL TOP 40		40	4.5 208V		1	21				
	MISCELLANEOUS FIXTURE SCHEDULE											
MARK	FIXTURE DESCRIPTION	FIXTURE IV	1ANUFACTURER	FIXTURE M	DDEL F	AUCET MANUFACTURER	FAUCET MODEL	APPROVED FIXT	TURE MANUFACT	URERS AI	PPROVED FAUCET MANUFACTURER	ADDITIONAL INFORMATION
AAV1	V1 AIR ADMITTANCE VALVE OATEY			MODA N/A		I/A I	A/N/A		ACCOR, GUY GRAY, SIOUX CHIEF, OATEY		Ά	PROVIDE WITH LOUVERED FACEPLATE # 37534. PROVIDE FIRE-RATED BOX IF INSTALLED IN FIRE-RATE WALL
IB1	1 ICE MAKER WATER SUPPLY BOX OATEY			MODA WITH SURE-VENT		N/A N/A		ACCOR, GUY GRAY, SIOUX CHIEF, OATEY		ATEY N/	Α	PROVIDE FIRE-RATED BOX IF INSTALLED IN FIRE-RATED WALL
SH1	SHOWER CONTROLS AND SHOWER ROHLER			K-8459-0 LEFT - K8458-0 RIGHT PE		PERRLESS PTT188782-BL		N/A		I	OHLER, AMERICAN STANDARD, MMONS, POWERS, DELTA	1.75 GPM MATTE BLACK FINISH
SH2	SHOWER CONTROLS AND SHOWER PAN KOHLER			K-8639-0 LEFT - K8638-0 RIGHT PE		PEERLESS PTT188782-BL		N/A		I	OHLER, AMERICAN STANDARD, MMONS, POWERS, DELTA	1.75 GPM MATTE BLACK FINISH
BT1 B	SATH TUB	TUB AMERICAN STANDARD		PRINSTON 60"		PEERLESS PTT188792-BL		N/A		I	OHLER, AMERICAN STANDARD, MMONS, POWERS, DELTA	MATTE B;ACK FINSH
KS1 K	KITCHENETTE SINK PROFLO			PLOMOSA 24" PE		PEERLESS P188152LF		ELKAY, JUST		ELI	KAY, JUST, MOEN, DELTA	PULL DOWN HEAD STAINLES STEEL FINISH 1.5 GPM W/CRUMB CUP STRAINER
WB1 V	1 WASHER SUPPLY/DRAIN BOX OATEY			MODA N/A		I/A	N/A		SYMMONS, GUY GRAY, SIOUX CHIEF, OATEY		A	PROVIDE FIRE-RATED BOX IF INSTALLED IN FIRE-RATED WALL
							DRAIN SCHED	ULE				
MARK	MARK DESCRIPTION BASE MANUFACTU			JRER MODEL#			FINISH		ADDITIONAL FEATU		IONAL FEATURES	ACCEPTABLE MANUFACTURERS
DN1	DOWNSPOUT NOZZ		ZURN		99-SS		NICKEL-BRONZE BODY			REMOVABLE S	ZURN, SMITH, WATTS, WADE, JOSAM, MIFAB	
FD1	7				GRADE TP SERIES				MER, SQUARE ST	SIOUX CHIEF, OATEY, NSF, JUMBO		
FD2 ABOVE-GRADE FLOOR DRAIN (UNFINISHED AREAS) OATE				IRUE SET FLA	NGED TP SERIES	PVC BODY, 5" NICKEL-B	TIH KING	FLANGED DRAIN, T	KAP PRIMER, SC	R SIOUX CHIEF, OATEY, NSF, JUMBO		

PVC BODY, POLYETHYLENE DOME

FLUSH VALVE MODEL

NOT APPLICABLE

MATERIAI

USE

|GENERAL/ADA |FLOOR

FLUSH VALVE

MANUFACTURER

RD1	ROOF DRAIN	SIOUX CHIEF	868-E-S-U	PVC BODY,POLYETHYLENE DOME	EXTE	NSION, ROOF SUMP, I	UNDERDECK CLAMP	SIOUX CHIEF, OATEY, N	SF, JUMBO			
	LAVATORY SCHEDULE											
MARK	LAVATORY DESCRIPTION	FIXTURE MANUFACTURER	FIXTURE MODEL FAUCET MANUFACTU	RER FAUCET MODEL MATERIAL	USE	MOUNTING	STYLE CONTROL	FLOW RATE DRAIN	APPROVED FIXTURE MANUFACTURERS	APPROVED FAUCET MANUFACTURERS	ADDITIONAL INFORMATION	
LV1 U	INDERMOUNT	KOHLER	K-2000 DELTA	MODERN BLACK FINISH CHINA	GENERAL	UNDERMOUNT	UNDERMOUNT MANUAL	1 POP-UP	AMERICAN STANDARD, KOHLER, ZURN	AMERICAN STANDARD, KOHLER, ZURN, BRADLEY, CHICAGO FAUCET, SPEAKMAN, T&S, SYMMONS, POWERS, MOEN, DELTA	INSULATE SUPPLIES & DRAIN WHERE NOT PROTECTED WITH SHROUD	
LV2 U	INDERMOUNT	DURAVIT	316530017 DELTA	MODERN BLACK FINISH CHINA	ADA	UNDERMOUNT	N/A MANUAL	1 GRID	AMERICAN STANDARD, KOHLER, ZURN	AMERICAN STANDARD, KOHLER, ZURN, BRADLEY, CHICAGO FAUCET, SPEAKMAN, T&S, SYMMONS, POWERS, MOEN, DELTA	INSULATE SUPPLIES & DRAIN WHERE NOT PROTECTED WITH SHROUD	
•		•	·	<u> </u>	•	•	WATER CLOSET SCHEDU	LE		•	•	

STYLE

ELONGATED

FLUSH VALVE TYPE

NOT APPLICABLE

SIOUX CHIEF, OATEY, NSF, JUMBO

CONTROL

FLOW RATE

SEAT-TYPE

EXTENSION, ROOF SUMP, UNDERDECK CLAMP

MOUNTING

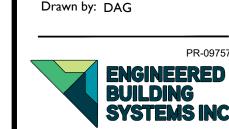
PLUMBING DETAILS

WHITE FINISH

APPROVED FLUSH VALVE MANUFACTURERS | ADDITIONAL INFORMATION

Progress Dates 05/05/2023 BID P/E/FP 08/30/2024 BID SET 2

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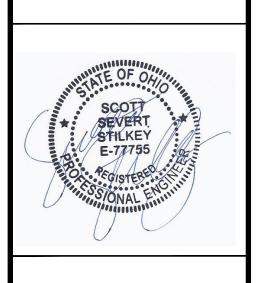


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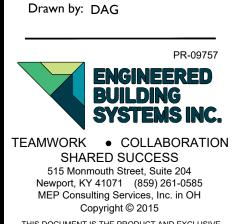
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