. ANY & ALL GOVERNING LOCAL LABOR LAWS, REGULATIONS & REQUIREMENTS AND THOSE SET AS BUILDING REQUIREMENTS SHALL BE OBSERVED & FOLLOWED AS THEY RELATE TO THIS PROJECT.

3. CONTRACTOR SHALL OBTAIN ALL REQUIRED BUILDING PERMITS AND CERTIFICATE OF OCCUPANCY PERMIT AS WELL AS SEPARATE MECHANICAL, ELECTRICAL, AND PLUMBING PERMITS PRIOR TO AND DURING CONSTRUCTION.

THE SAME MEANING AS THOSE MOST SIMILARLY DETAILED AND MORE FULLY DEFINED ELSEWHERE IN THE DRAWINGS. CONTRACTOR TO VERIFY WITH ARCHITECT IN WRITING FOR CLARIFICATIONS. 5. THE EXTENT OF WORK SHALL BE LIMITED TO THAT INDICATED IN THE CONTRACT DOCUMENTS. NO ADDITIONAL WORK SHALL BE DONE

4. MATERIALS, DIMENSIONS, AND OTHER CONDITIONS NOT OTHERWISE INDICATED IN THESE DRAWINGS SHALL BE ASSUMED AS HAVING

WITHOUT WRITTEN APPROVAL OF OWNER. ANY ADDITIONAL WORK PERFORMED WITHOUT PRIOR WRITTEN APPROVAL BY OWNER SHALL BE AT THE CONTRACTOR'S EXPENSE.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASURING OF EXISTING CONDITIONS PRIOR TO START OF WORK & DURING

CONSTRUCTION AS NECESSARY TO ASSURE CONSTRUCTION ADHERENCE TO DRAWINGS. BY ENTERING INTO A CONSTRUCTION CONTRACT FOR THIS WORK, GC SHALL INDICATE HIS FAMILIARITY WITH THE SITE/FIELD CONDITIONS. 7. FLOOR TOLERANCE: IN LAYING OUT THE WORK TO BE COMPLETED, CONSIDERATION SHALL BE GIVEN TO VARIATIONS IN THE FLOOR LEVEL RESULTING FROM THE CONSTRUCTION WORK AND LIVE AND DEAD LOADS IMPOSED ON THE STRUCTURE. FIELD VERIFICATIONS

ELEMENTS SHALL BE MAINTAINED AT CONSTANT LEVEL AND SHALL NOT FOLLOW VARIATIONS IN FLOOR PLANE. 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS TO PROTECT BUILDING OCCUPANTS, MATERIALS, & EXISTING FINISHES THROUGHOUT ALL PHASES OF CONSTRUCTION. NOISE, SECURITY, AND DUST BARRIERS BETWEEN CONSTRUCTION

SHALL BE MADE OF CONDITIONS TO VERIFY CONSTRUCTION TOLERANCES AND ALIGNMENT OF DOOR HEADS. OTHER HORIZONTAL

9. THE GC SHALL BE RESPONSIBLE FOR MAINTAINING BUILDING CORRIDORS CLEAR OF PROJECT MATERIALS AND EQUIPMENT.

AREAS AND OCCUPIED AND PUBLIC AREAS SHALL BE MAINTAINED BY CONTRACTOR.

FOR SUBSTITUTION ARE FREE OF KNOWN HAZARDOUS SUBSTANCES IN ANY FORM.

10. GC SHALL PROVIDE GENERAL CARPENTRY AS REQUIRED FOR WORK WHICH MAY NOT FALL UNDER THE JURISDICTION OF A SPECIFIED TRADE BUT IS REQUIRED FOR PROPER JOB EXECUTION AND COMPLETION OF CONSTRUCTION

11. NO MODIFICATIONS / REVISIONS / CHANGES SHALL BE UNDERTAKEN UNLESS SPECIFICALLY SO INSTRUCTED & APPROVED BY CLIENT. 12. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY

13. THE INTENT OF THE CONTRACT DOCUMENTS IS TO EXCLUDE ALL MATERIALS WHICH CONTAIN KNOWN HAZARDOUS SUBSTANCES. THESE INCLUDE MATERIALS CONTAINING ASBESTOS, POLYCHLORINATED BIPHENYL (PCB) OR ANY OTHER KNOWN SUBSTANCES DETERMINED TO BE A HEALTH HAZARD BY THE UNITES STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) AND OTHER RECOGNIZED AGENCIES. IN STUDYING THE CONTRACT DOCUMENTS, AND AT ANY TIME DURING EXECUTION OF THE WORK, THE CONTRACTOR SHALL AT ONCE REPORT TO THE ARCHITECT ANY MATERIALS CONTAINING HAZARDOUS SUBSTANCES THAT HE / SHE MAY DISCOVER. DO NOT PROCEED WITH INSTALLATION OF HAZARDOUS MATERIALS.

CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH WORK IN QUESTION.

14. CONTRACTOR SHALL VERIFY PRESENCE OF HAZARDOUS MATERIALS. OWNER, ARCHITECT AND ITS CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, OR DISPOSAL OF OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO, ASBESTOS, POLYCHLORINATED BIPHENYL (PCB) OR

15. WHERE PRODUCTS ARE SPECIFIED BY REFERENCE STANDARD OR IN DESCRIPTIVE MANNER WITHOUT MANUFACTURER'S NAME, MODEL NUMBER OR TRADE NAME, CONTRACTOR SHALL SELECT MATERIALS MEETING SPECIFIED REQUIREMENTS WHICH DO NOT CONTAIN KNOWN HAZARDOUS SUBSTANCES IN ANY FORM AND SUBMIT TO ARCHITECT FOR APPROVAL.

16. INSTALL ALL MANUFACTURED ITEMS. MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S

17. IN MAKING REQUESTS FOR SUBSTITUTION, CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THAT MATERIALS REQUESTEI

18. WARRANTY SHALL BE EXTENDED FOR ALL CONSTRUCTION COMPONENTS, EQUIPMENT AND INSTALLATIONS INCLUDED IN THIS CONTRACT FOR A MINIMUM OF 1 YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.

19. GC SHALL RE-EXECUTE ANY WORK THAT FAILS TO CONFORM TO THE DRAWINGS / DETAILS AS SHOWN AND ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKSMANSHIP WHICH APPEAR WITHIN A PERIOD OF ONE (1) YEAR.

20. SHOP DRAWINGS SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW. APPROVAL OF SHOP DRAWINGS SHALL NOT RELEASE CONTRACTOR FROM RESPONSIBILITY FOR THE WORK AS SPECIFIED.

21. THESE DOCUMENTS INDICATE MATERIALS AND METHODS OF CONSTRUCTION TO ESTABLISH STANDARDS OF QUALITY AND / OR PERFORMANCE. OTHER MATERIALS AND / OR METHODS WILL BE CONSIDERED BY THE ARCHITECT FOR ACCEPTANCE PROVIDED THAT THEY DO NOT AFFECT THE VISIBLE APPEARANCE. MATERIAL SUBSTITUTIONS SHALL BE APPROVED BY THE ARCHITECT IN WRITING PRIOR

22. ALL REQUESTS FOR SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND WILL BE CONSIDERED ONLY IF BETTER SERVICE FACILITIES, A MORE ADVANTAGEOUS DELIVERY DATE, OR LOWER PRICE WITH CREDIT TO THE OWNER IS PROVIDED WITHOUT SACRIFICING QUALITY, APPEARANCE AND FUNCTION. UNDER NO CIRCUMSTANCES WILL THE ARCHITECT BE REQUIRED TO PROVE THAT A

23. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT, IMMEDIATELY FOLLOWING DIRECTIVE TO PROCEED WITH WORK, CONFIRMATION WITH DELIVERY DATES FOR ORDERS OF MATERIALS AND EQUIPMENT AND ANY LONG LEAD TIME ITEMS.

24. DAMAGE: CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIRS OF ANY ACCIDENTAL DAMAGE HE INFLICTS UPON THE EXISTING WORK WHICH WILL REMAIN. IF FOR ANY REASON DAMAGE TO EXISTING WORK OR UTILITIES IS CONSIDERED TO BE UNAVOIDABLE. SUBMIT WRITTEN NOTIFICATION OF THIS BEFORE SIGNING THE CONTRACT. IN THE ABSENCE OF SUCH NOTIFICATION, CONTRACTOR ASSUMES

25. FINAL CLEANING AT COMPLETION SHALL INCLUDE DUSTING OF ALL FINISHED SURFACES, VACUUMING, REMOVAL OF SPOTS, STAINS, LABELS, FINGERPRINTS, SPILLS AND CLEANING OF ALL INTERIOR GLASS. JOB SITE CLEAN-UP SHALL CONTINUE BEYOND DATE OF SUBSTANTIAL COMPLETION TO MOVE-IN DAY AND SHALL INCLUDE REMOVAL OF ACCUMULATED DEBRIS RESULTING FROM WORK BY TELECOMMUNICATIONS CONTRACTORS AND OTHER VENDORS UNDER CONTRACT TO THE OWNER. (NOTE: FURNITURE PACKING MATERIALS WILL BE RESPONSIBILITY OF FURNITURE VENDOR).

26. FIRE RATED PARTITIONS SHALL BE NOTED IN STENCIL ABOVE FINISHED CEILING PER APPLICABLE CODE.

PRODUCT PROPOSED FOR SUBSTITUTION IS OR IS NOT OR EQUAL QUALITY TO THE PRODUCT SPECIFIED.

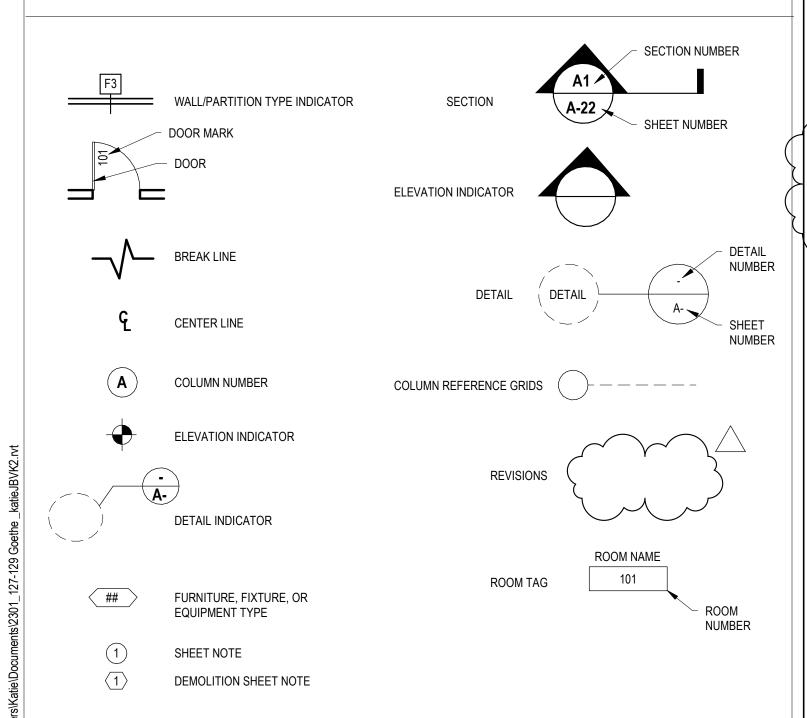
27. GENERAL CONDITIONS (AIA DOCUMENT A201) APPLIES TO THIS PROJECT AND IS PART OF THIS CONTRACT.

FULL RESPONSIBILITY FOR DAMAGE AND THE COSTS OF SATISFACTORILY REPAIRING OR REPLACING DAMAGED WORK.

28. SPRINKLER HEAD LOCATION SHALL BE COORDINATED WITH OTHER TRADES BY CONTRACTOR AND SHALL BE AS SPECIFIED BY ENGINEER OR AS REQUIRED BY CODE. SPRINKLERS SHALL BE CENTERED WITHIN EACH CEILING TILE TO PROVIDE A UNIFIED, CONSISTENT AND AESTHETIC ARRANGEMENT

SYMBOL LEGEND

TO ORDERING AND / OR FABRICATION.

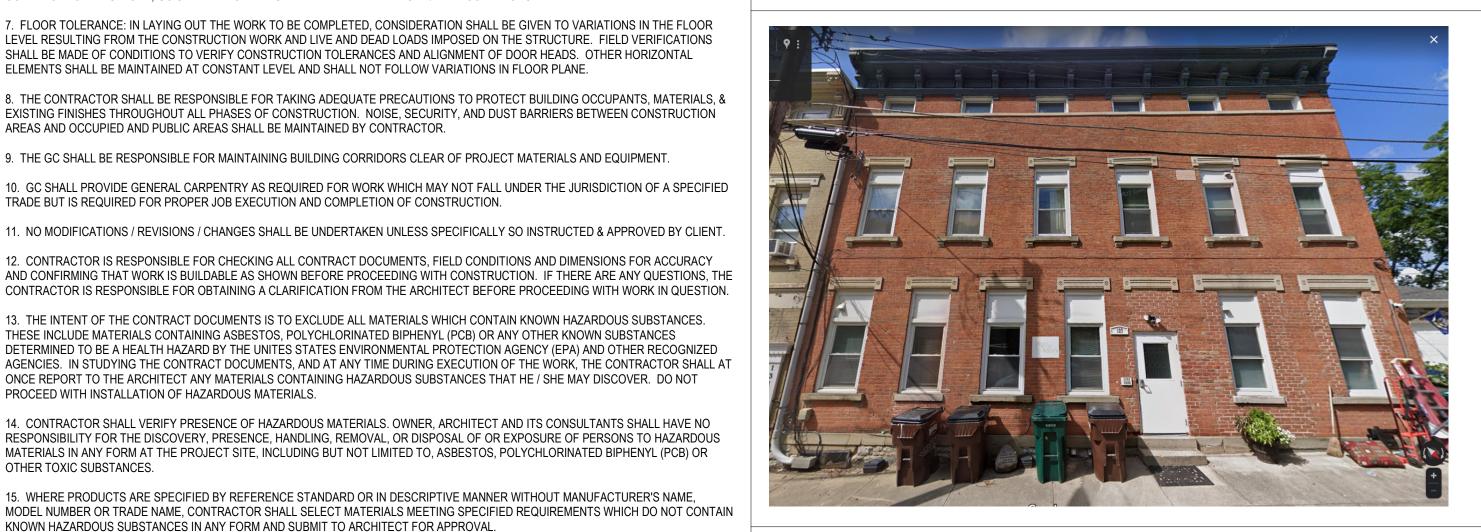


PROJECT NAME

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

STREET VIEW **LOCATION MAP**





127-129 GOETHE ST.

Maximum exit access travel distance: 40'

Means of egress emergency lighting: Yes X No

CURRENT REVISION NUMBER REVISION DATE COVER SHEET LIFE SAFETY PLANS 10-19-2023 LIFE SAFETY PLANS ARCHITECTURAL SPECIFICATIONS ARCHITECTURAL SPECIFICATIONS ARCHITECTURAL SPECIFICATIONS UL DETAILS **UL DETAILS** GENERAL STRUCTURAL NOTES FOUNDATION PLANS FLOOR FRAMING PLANS FRAMING PLANS DEMOLITION PLANS **DEMOLITION PLANS** DEMOLITION REFLECTED CEILING PLANS DEMOLITION REFLECTED CEILING PLANS DEMOLITION BUILDING ELEVATIONS FLOOR PLANS 10-19-2023 FLOOR PLANS INTERIOR ELEVATIONS REFLECTED CEILING PLANS REFLECTED CEILING PLANS BUILDING ELEVATIONS DOORS, WINDOWS, PARTITIONS INTERIOR FINISH PLANS MECHANICAL FLOOR PLANS MECHANICAL FLOOR PLANS MECHANICAL DETAILS PLUMBING DETAILS **ELECTRICAL POWER FLOOR PLANS** ELECTRICAL POWER FLOOR PLANS **ELECTRICAL LIGHTING FLOOR PLANS** ELECTRICAL LIGHTING FLOOR PLANS

ARCHITECTURAL SHEET INDEX

ELECTRICAL DETAILS ELECTRICAL DETAILS

ELECTRICAL DETAILS

No X

PROJECT DESCRIPTION & CODE DATA

BUILDING IS MULTI-WYTHE MASONRY EXTERIOR WALLS WITH WOOD FLOOR / ROOF JOISTS, CONSTRUCTION TYPE IS IIIB.

BUILDING IS UTILIZED FOR PERMANENT SUPPORTIVE HOUSING. EXISTING LAYOUT CONSISTS OF (4) APARTMENTS / DWELLING UNITS. AFTER RENOVATION THERE WILL BE A TOTAL OF (6) APARTMENTS / DWELLING UNITS.

THE SCOPE OF WORK FOR THIS PROJECT INCLUDES COMMON AREA STAIR AND SECOND FLOOR SECOND FLOOR IS BEING CONVERTED FROM A SINGLE 4-BEDROOM APARTMENT TO THREE 1-BEDROOM APARTMENTS. THE BASEMENT LEVEL APARTMENT AND FIRST FLOOR APARTMENTS HAVE LIMITED SCOPE OF WORK THAT INCLUDES ONE FOR ONE HVAC CONDENSING UNIT REPLACEMENT AND INTERIOR

OBC CHAPTER 3412 COMPLIANCE ALTERNATIVE HAS BEEN UTILIZED FOR CODE COMPLIANCE. REFER TO

CODE SUMMARY ADDRESS: 127-129 GOETHE ST, CINCINNATI, OH

REFER TO PLANNING COMMISSION HEARING DATED 03-05-2021 CPC ITEM #7 FOR APPROVED NOTWITHSTANDING ORDINANCE. PARKING IS NOT REQUIRED PER THE APPROVED NOTWITHSTANDING ORDINANCE REFERENCED ABOVE.

THE PROJECT IS ARENOVATION OF EXISTING BUILDING, WHICH PROVIDES PERMANENT SUPPORTIVE HOUSING (HALFWAY HOUSE). THE BUILDING IS 3-STORIES, MASONRY EXTERIOR WALLS WITH WOOD FLOOR PROOF JOISTS. THE RENOVATION WILL REDUCE THE QUANTITY OF BEDS IN THE BUILDING.

EXISTING UNITS / BEDS: 4 UNITS / 12 BEDS. PROPOSED UNITS / BEDS: 6 UNITS / 7 BEDS. THE BUILDING IS BEING ANALYZED USING SECTION 3412 ALTERNATIVE COMPLIANCE METHODS.

2017 OHIO BUILDING CODE CONSTRUCTION CLASSIFICATION: IIIB

SUB BASEMENT 643 SF BASEMENT 1397 SF FIRST FLOOR 1444 SF

SECOND FLOOR 1411 S 3412 COMPLIANCE ALTERNATIVE

3412.2.1 CHANGE IN OCCUPANCY THIS IS NOT A CHANGE IN OCCUPANCY CLASSIFICATION.

EXISTING USE GROUP: SUB BASEMENT STORAGE (S-2) - NO CHANGE BASEMENT STORAGE (S-2) / RESIDENTIAL (R-4) - NO CHANGE FIRST FLOOR RESIDENTIAL (R-4) - NO CHANGE NOTE: THE EXISTING USE IS A HALFWAY HOUSE FOR MORE THAN 5 BUT NOT MORE THAN 16. THE

RESIDENTS ARE CAPABLE OF SELF-PRESERVATION. THE OCCUPANCY IS R-4 CONDITION 1 NOTE: THE STORAGE AREA IS CLASSIFIED AS S-2. THE ITEMS BEING STORED WILL INCLUDE

[(AH) - (EH) / 12.5] X CF

[(55-36)/12.5] X 1 = 1.52

NO ADDITION IS PART OF THIS PROJECT. 3412.6.1 BUILDING HEIGHT

[(AH) - (EH) / 12.5] X CF [(55-36)/12.5] X 1 = 1.52

FIRST FLOOR

EQUATION 34-2 (AS - EBS) X CF (AS - EBS) X CF $3-3 \times 1 = 0$ (4-3) X 1 = 1S-2 ANALYSIS: 0 PTS R-4 ANALYSIS: 1 PT

3412.6.2 BUILDING AREA Aa TABULAR AREA FACTOR UTILIZED WITHOUT FRONTAGE INCREASE.

SUB BASEMENT 26,000/1200[1-(643/26000)] 21.67 x 0.97 = 21 **BASEMENT** 26,000/1200 [1-(700/26,000)] 21.67 X 0.97 = 21

16,000/1200 [1-(700/16,000)] 13.33 X 0.96 = 12.8 16,000/1200 [1-(1444/16,000)] 13.33 X 0.91 = 12.1

SECOND FLOOR 16.000/1200 [1-(1411/16,000)] 13.33 X 0.92 = 12.2 S-2 ANALYSIS: 21 PTS R-4 ANALYSIS: 12.1 PTS

ENTIRE BUILDING IS EVALUATED AS ONE COMPARTMENT. BUILDING AREA IS LESS THAN 5,000 SF. S-2 ANALYSIS: 15 PTS R-4 ANALYSIS: 16 PTS

3412.6.4 DWELLING UNIT SEPARATION

CATEGORY B: FIRE PARTITIONS OR FLOOR ASSEMBLIES WITH LESS THAN A 1-HR FIRE RESISTANCE

S-2 ANALYSIS: -2 PTS

3412.6.5 CORRIDOR WALLS

R-4 ANALYSIS: 0 PTS 3412.6.6 VERTICAL OPENINGS

VO = 1 CF = 3.5 (IIIB) VO = PV X CF

S-2 ANALYSIS: 2 PTS R-4 ANALYSIS: 2 PTS

DUCTWORK CONNECTING TWO OR MORE STORIES. 5 POINTS

S-2 ANALYSIS: 5 PTS R-4 ANALYSIS: 5 PTS 3412.6.8 AUTOMATIC DETECTION SYSTEMS
CATEGORY E: SMOKE DETECTORS INSTALLED THROUGHOUT THE FLOOR AREA.

CATEGORY A: NONE S-2 ANALYSIS: 0 PTS

3412.6.9 FIRE ALARM SYSTEMS

<u>3412.6.10 SMOKE CONTROL</u> CATEGORY F: STAIRWAY HAS OPERABLE EXTERIOR WINDOWS. S-2 ANALYSIS: 3 PTS R-4 ANALYSIS: 4 PTS

3412.6.11 MEANS OF EGRESS CAPACITY SUB BASEMENT 643 SF 643/300 = 3 OCCUPANTS BASEMENT 1397 SF 700/300 = 3 OCCUPANTS FIRST FLOOR 1444 SF

TOTAL BUILDING OCCUPANTS: 26 OCCUPANTS MINIMUM STAIR WIDTH = 36" PER OBC 1011.2 EXCEPTION #1. MINIMUM EGRESS DOOR WIDTH = 32"

PER OBC 1006.3.2 CONDITION #4, R-4 OCCUPANCIES SHALL BE PERMITTED TO HAVE ONE EXIT OR

3412.6.12 DEAD-END VALUES SPACE IS NOT REQUIRED TO HAVE MORE THAN ONE EXIT. POINTS NOT TAKE FOR THIS SECTION.

3412.6.13 MAX EXIT ACCESS TRAVEL DISTANCE MAX ALLOWABLE TRAVEL DISTANCE]

20 X (100-40/100) = 12 20 X (75-40/75) = 9.3

3412.6.14 ELEVATOR CONTROL EMERGENCY FIRE-FIGHTING OR RESCUE PERSONNEL.

R-4 ANALYSIS: -2 PTS S-2 ANALYSIS: -2 PTS 3412.6.15 MEANS OF EGRESS EMERGENCY LIGHTING VALUES
CATEGORY B: MEANS OF EGRESS LIGHTING AND EXIT SIGNS PROVIDED WITH EMERGENCY POWER IN ACCORDANCE WITH CHAPTER 27.

S-2 ANALYSIS: 0 PTS 3412.6.16 MIXED OCCUPANCIES

CATEGORY B: SEPARATIONS BETWEEN OCCUPANCIES IN ACCORDANCE WITH SECTION 508.4 2-HR FIRE SEPARATION PROVIDED BETWEEN S-2 AND R OCCUPANCIES. S-2 ANALYSIS: 0 PTS R-4 ANALYSIS: 0 PTS

3412.6.17 AUTOMATIC SPRINKLERS
CATEGORY B: SPRINKLERS ARE REQUIRED IN A PORTION OF THE BUILDING; SPRINKLER PROTECTION IS

R-4 ANALYSIS: 0 PTS

R-4 ANALYSIS: -3 PTS S-2 ANALYSIS: -6 PTS 3412.6.18 STANDPIPE S-2 ANALYSIS: 0 PTS R-4 ANALYSIS: 0 PTS

NONE, LAUNDRY ROOM IS LESS THAN 100 SF.

S-2 ANALYSIS: 0 PTS

DWELLING UNITS WILL BE SEPARATED WITH 1-HR FIRE PARTITIONS AND FLOOR ASSEMBLIES WHERE RENOVATION OCCURS. UNITS NOT BEING RENOVATED MAY NOT BE CONSTRUCTED IN ACCORDANCE

RATING OR NOT CONSTRUCTED IN ACCORDANCE WITH SECTION 709 OR 712, RESPECTIVELY.

R-4 ANALYSIS: -2 PTS

NO CORRIDORS EXIST. STAIR WALLS EVALUATED IN SECTION 3412.6.6

STAIR WILL BE CONSTRUCTED WITH 1-HR FIRE PARTITIONS.

VO = 1 X 3.5 MAX OF 2 PTS ALLOWED.

3412.6.7 HVAC SYSTEMS CATEGORY E: SYSTEMS SERVING ONE STORY; OR A CENTRAL BOILER / CHILLER SYSTEM WITHOUT

S-2 ANALYSIS: 8 PTS R-4 ANALYSIS: 6 PTS

R-4 ANALYSIS: -10 PTS

R-4: 700/200 = 4 OCCUPANTS R-4: 1444/200 = 8 OCCUPANTS SECOND FLOOR 1411 SF R-4: 1411/200 - 8 OCCUPANTS

ACCESS TO A SINGLE EXIT.

CATEGORY B: CAPACITY OF MEANS OF EGRESS COMPLIES WITH SECTION 1004 AND THE NUMBER OF EXITS COMPLIES WITH THE MINIMUM NUMBER REQUIRED BY SECTION 1021.

S-2 ANALYSIS: 0 PTS R-4 ANALYSIS: 0 PTS

S-2 ANALYSIS: 0 PTS R-4 ANALYSIS: 0 PTS 20 X [(MAX ALLOWABLE TRAVEL DISTANCE - MAX ACTUAL TRAVEL DISTANCE) /

R-4 ANALYSIS: 9.3 PTS S-2 ANALYSIS: 12 PTS LESS THAN 25' FROM TRAVEL ABOVE OR BELOW THE PRIMARY LEVEL OF ELEVATOR ACCESS FOR

R-4 ANALYSIS: 0 PTS

NFPA13D REQ'D FOR R-4 OCCUPANCY PER 420.5 & 903.2.8.2, NOT PROVIDED.

CATEGORY B STANDPIPE IS NOT REQUIRED; NONE ARE PROVIDED. 3412.6.19 INCIDENTAL ACCESSORY OCCUPANCY AREA VALUES

CINCINNATI, OH 45202 SUMMARY SHEET-BUILDING CODE Existing occupancy: R-4 Proposed occupancy: R-4 Number of stories: 3 STORIES Year building was constructed: 1865 per auditor Area per floor: SEE CODE SUMMARY Type of construction: IIIB Percentage of open perimeter increase 0 % Corridor wall rating: N/A Completely suppressed: Yes X No Yes_YES___No Required door closers: Compartmentation: Fire-resistance rating of vertical opening enclosures: 1-HR , serving number of floors: PER APARTMENT UNIT Type of HVAC system SPLIT SYSTEM HEAT PUMP Type and location: SMOKE DETECTORS INSTALLED THROUGHOUT Automatic fire detection: Yes No X Type: NONE Fire alarm system: Yes ____ X ___ No _____ Type: OPERABLE WINDOWS AT STAIR Smoke control: No X Dead ends: Adequate exit routes:

TABLE 3412.7

Evaluated as Separated Mixed Occupancies: S-2 & R-4 127-129 GOETHE Means of Egress General Safety S-2 R-4 S-2 3412.6.1 Building Height 3412.6.2 Building Area 3412.6.3 Compartmentation 16 Category d, entire building as one compartment. 3412.6.4 Dwelling Unit Separation Category b, 1-hour separation 3412.6.5 Corridor Wals 3412.6.6 Vertical Openings Refer calcs. 1 to less than 2 hour stair enclosure 3412.6.7 HVAC Systems Category e. Smoke detectors installed throughout. 3412.6.8 Automatic Fire Detection 3412.6.9 Fire Alarm Systems Category a. None 3412.6.10 Smoke Control Category f. Operable windows at stair. Category b. Egress complies with 1004 and 1021. 3412.6.11 Means of Egress 3412.6.12 Dead Ends 3412.6.13 Max Exit Access Travel Distance 9.3 Refer to plans. 3412.6.14 Elevator Control Category a. No elevator. 3412.6.15 Emergency Lighting Category a. In accordance w/ Chapter 27 3412.6.16 Mixed Occupancies Category b. In accordance w/ 508.4. 3412.6.17 Automatic Sprinklers Category b. Sprinklers req'd in a portion. Not provided. 3412.6.18 Standpipes Category b. Standpipe not req'd, not provided. 3412.6.19 Incidental Accessory Occupancy 25.1 59 39.9 17 33 34 Min Scores

Elevator controls:

Mixed occupancies:

1607.1 LIVE LOAD REQUIREMENTS UNIFORM (PSF) RESIDENTIAL SLEEPING AREAS RESIDENTIAL - ALL OTHER AREAS ATTICS WITHOUT STORAGE EXISTING STRUCTURE IS ADEQUATE FOR MINIMUM LIVE LOAD REQUIREMENTS.

ARCHITECT & INTERIOR DESIGN ARCX STUDIO

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202

STRUCTURAL ENGINEER ADVANTAGE GROUP ENGINEERS, INC.

MEP ENGINEER ENIGINEERED BUILDING SERVICES, INC

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION



REVISION



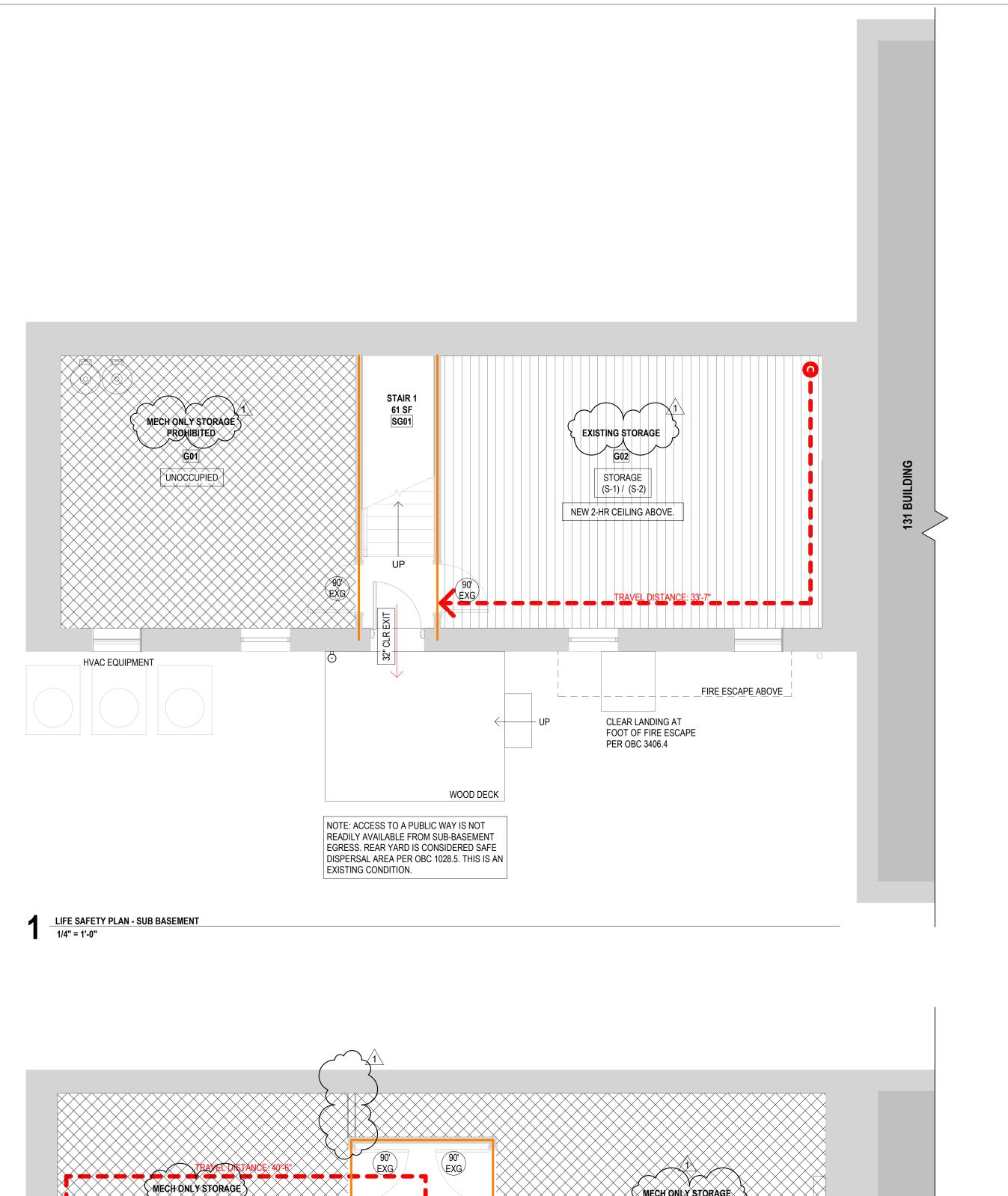
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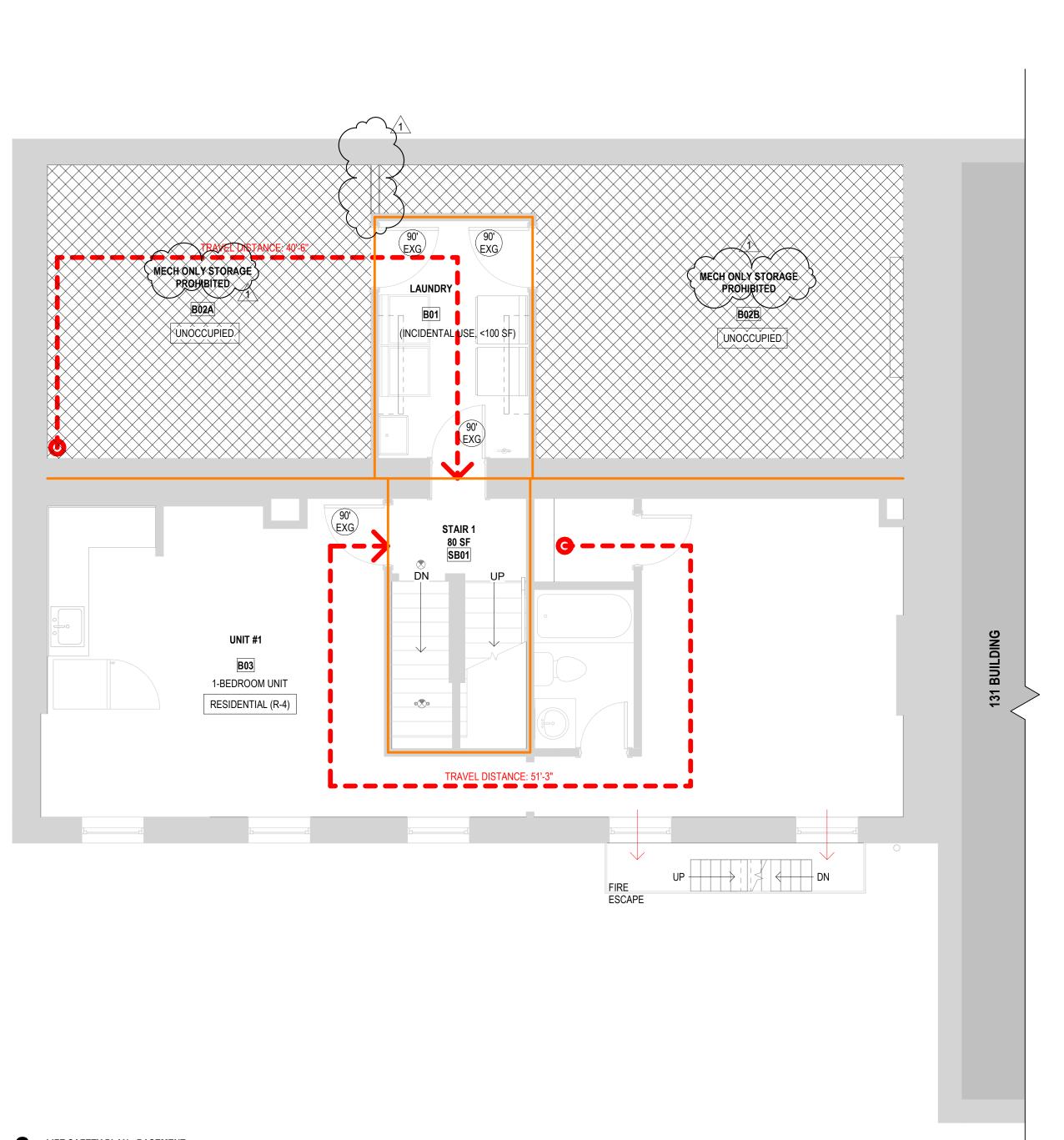
PERMIT 06-27-2023 SHEET NAME

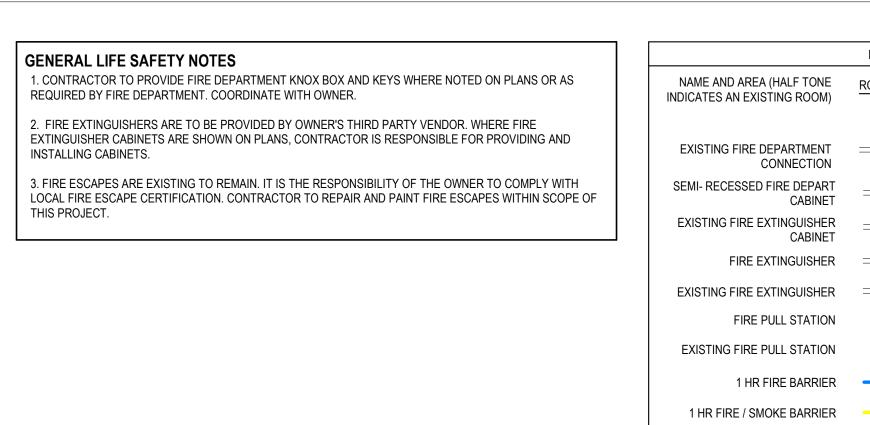
COVER SHEET

SHEET NO.

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"







NAME AND AREA (HALF TONE INDICATES AN EXISTING ROOM)	ROOM NAME 150 SF	TRAVEL DISTANCE FROM THE MOST REMOTE POINT TO THE CLOSEST EXIT	<u></u>
EXISTING FIRE DEPARTMENT CONNECTION	E-FDC E-FI	DC RESIDENTIAL OCCUPANCY	NO HATCH
SEMI- RECESSED FIRE DEPART	FEC	UNOCCUPIED	
CABINET EXISTING FIRE EXTINGUISHER	E-FEC	STORAGE	
CABINET	FE •	EXIT SYMBOL	\otimes
FIRE EXTINGUISHER EXISTING FIRE EXTINGUISHER	E-FE	EXIT SIGN - HATCH INDICATES DIRECTION SIGN IS FACING. ARROWS DESIGNATE DIRECTION	¢ ⊕ ‡
FIRE PULL STATION	FP ■	OF EGRESS PATH. (NO ARROWS INDICATE PATH IS STRAIGHT	
EXISTING FIRE PULL STATION	E-FP ■	AHEAD)	
1 HR FIRE BARRIER			
1 HR FIRE / SMOKE BARRIER			
2 HR FIRE BARRIER			
2 HR FIRE / SMOKE BARRIER			
3 HR FIRE / SMOKE BARRIER			
SMOKE PARTITION (NON RATED)			

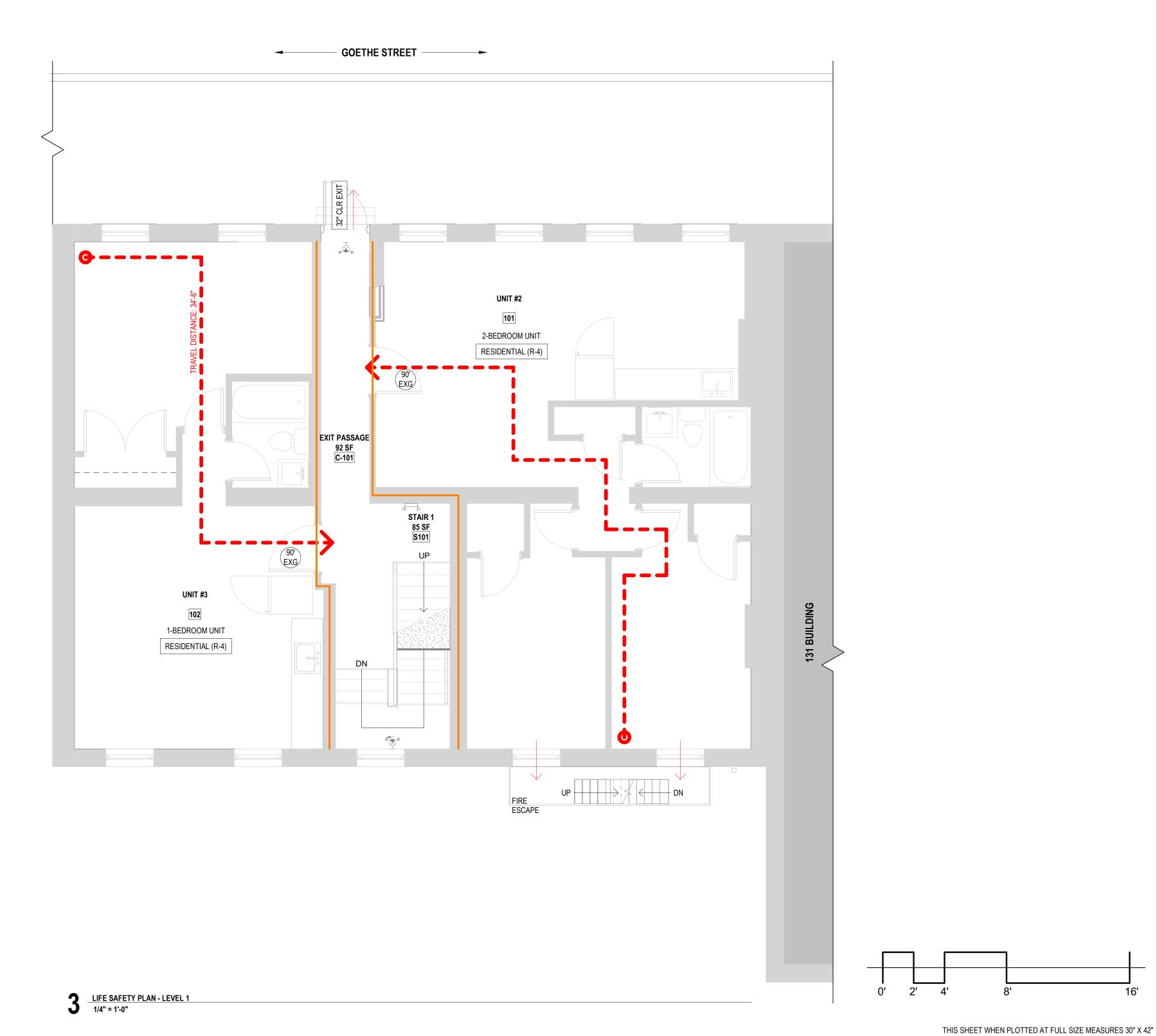
NO.	NAME		FLR AREA PER	T
<u></u>		USE	OCCUPANT	A
G01	MECH ONLY STORAGE PROHIBITED	UNOCCUPIED	0	249 SF
G02	EXISTING STORAGE	STORAGE	300	322 SF
SG01	STAIR 1	RESIDENTIAL	200	61 SF
SUB BASEMEN		DECIDENTIAL	1000	20.05
B01	LAUNDRY	RESIDENTIAL	200	89 SF
B02A	MECH ONLY STORAGE PROHIBITED	UNOCCUPIED	0	237 SF
B02B	MECH ONLY STORAGE PROHIBITED	UNOCCUPIED	0	288 SF
B03	UNIT #1	RESIDENTIAL	200	573 SF
SB01	STAIR 1	RESIDENTIAL	200	80 SF
BASEMENT				
101	UNIT #2	RESIDENTIAL	200	686 SF
102	UNIT #3	RESIDENTIAL	200	514 SF
C-101	EXIT PASSAGE	RESIDENTIAL	200	92 SF
S101	STAIR 1	RESIDENTIAL	200	85 SF
LEVEL 1				
201	UNIT #4	RESIDENTIAL	200	484 SF
202	UNIT #5	RESIDENTIAL	200	399 SF
203	UNIT #6	RESIDENTIAL	200	331 SF
S-201	STAIR 1	RESIDENTIAL	200	122 SF

TOTAL OCCUPANT LOAD

TOTAL: 64"

CAPACITY 320

FIRE ESCAPES NOT INCLUDED IN SUMMARY.





ARCHITECT & INTERIOR DESIGN

ARCX STUDIO FIRM.18314012

1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

STRUCTURAL ENGINEER
ADVANTAGE GROUP ENGINEERS, INC.

513.396.8900 **MEP ENGINEER**

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515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

014/150

OWNER
CITY GOSPEL MISSION



REVISION

DESCRIPTION DATE

1 PERMIT COMMENTS 10-19-2023

PERMIT
06-27-2023

06-27-2023 SHEET NAME

LIFE SAFETY PLANS

SHEET NO.

A0.20

GENERAL LIFE SAFETY NOTES

1. CONTRACTOR TO PROVIDE FIRE DEPARTMENT KNOX BOX AND KEYS WHERE NOTED ON PLANS OR AS

REQUIRED BY FIRE DEPARTMENT. COORDINATE WITH OWNER.

2. FIRE EXTINGUISHERS ARE TO BE PROVIDED BY OWNER'S THIRD PARTY VENDOR. WHERE FIRE EXTINGUISHER CABINETS ARE SHOWN ON PLANS, CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING CABINETS.

3. FIRE ESCAPES ARE EXISTING TO REMAIN. IT IS THE RESPONSIBILITY OF THE OWNER TO COMPLY WITH LOCAL FIRE ESCAPE CERTIFICATION. CONTRACTOR TO REPAIR AND PAINT FIRE ESCAPES WITHIN SCOPE OF

	AN LEGEND	LIFE SAFETY PL	
○ →	TRAVEL DISTANCE FROM THE MOST REMOTE POINT TO THE CLOSEST EXIT	ROOM NAME 150 SF	NAME AND AREA (HALF TONE INDICATES AN EXISTING ROOM)
NO HATCH	RESIDENTIAL OCCUPANCY	E-FDC E-FD	EXISTING FIRE DEPARTMENT CONNECTION
	UNOCCUPIED	FEC	SEMI- RECESSED FIRE DEPART
	STORAGE	E-FEC	CABINET EXISTING FIRE EXTINGUISHER
\otimes	EXIT SYMBOL	FE	CABINET
	EXIT SIGN - HATCH INDICATES	E- <u>F</u> E	FIRE EXTINGUISHER
‡⊕ ‡	DIRECTION SIGN IS FACING. ARROWS DESIGNATE DIRECTION		EXISTING FIRE EXTINGUISHER
	OF EGRESS PATH. (NO ARROWS INDICATE PATH IS STRAIGHT	FP ■	FIRE PULL STATION
	AHEAD)	E-FP ■	EXISTING FIRE PULL STATION
			1 HR FIRE BARRIER
			1 HR FIRE / SMOKE BARRIER
			2 HR FIRE BARRIER
			2 HR FIRE / SMOKE BARRIER
			3 HR FIRE / SMOKE BARRIER
			SMOKE PARTITION (NON RATED)

			FLR AREA PER		OCCUPAN
NO.	NAME	USE	OCCUPANT	AREA	LOAD
G01	MECH ONLY STORAGE PROHIBITED	UNOCCUPIED	0	249 SF	
G02	EXISTING STORAGE	STORAGE	300	322 SF	1
SG01	STAIR 1	RESIDENTIAL	200	61 SF	0
SUB BASEMEI	NT	•			1
				_	
B01	LAUNDRY	RESIDENTIAL	200	89 SF	0
B02A	MECH ONLY STORAGE PROHIBITED	UNOCCUPIED	0	237 SF	
B02B	MECH ONLY STORAGE PROHIBITED	UNOCCUPIED	0	288 SF	
B03	UNIT #1	RESIDENTIAL	200	573 SF	3
SB01	STAIR 1	RESIDENTIAL	200	80 SF	0
BASEMENT		•			4
101	UNIT #2	RESIDENTIAL	200	686 SF	3
	UNIT #3	RESIDENTIAL	200	514 SF	3
102				1	0
102 C-101	EXIT PASSAGE	RESIDENTIAL	200	92 SF	U
	EXIT PASSAGE STAIR 1	RESIDENTIAL RESIDENTIAL	200	92 SF 85 SF	0
C-101				1	
C-101 S101 LEVEL 1			200	1	7
C-101 S101				1	0
C-101 S101 LEVEL 1	STAIR 1	RESIDENTIAL	200	85 SF	7
C-101 S101 LEVEL 1	STAIR 1	RESIDENTIAL	200	85 SF 484 SF	0 7

LEVEL 2

TOTAL OCCUPANT LOAD

TOTAL:

64"

CAPACITY 320

FIRE ESCAPES NOT INCLUDED IN SUMMARY.



ARCHITECT & INTERIOR DESIGN

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

ENIGINEERED BUILDING SERVICES, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

ARCX STUDIO

513.396.8900

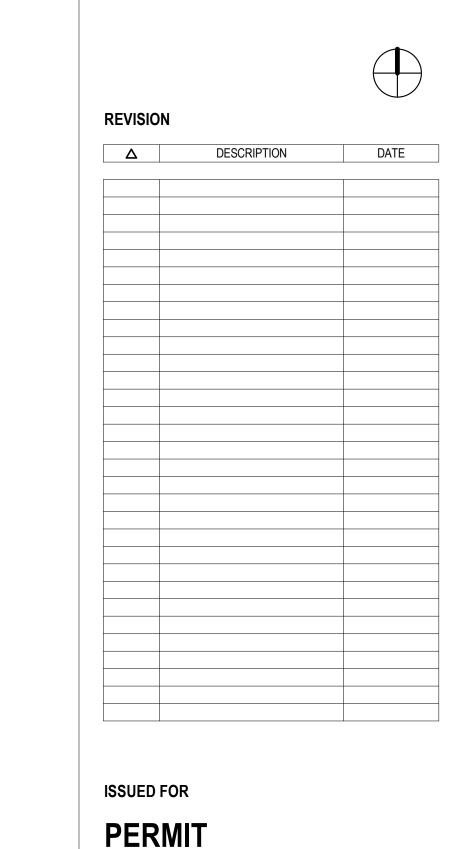
859.261.0585

OWNER

CITY GOSPEL MISSION

MEP ENGINEER

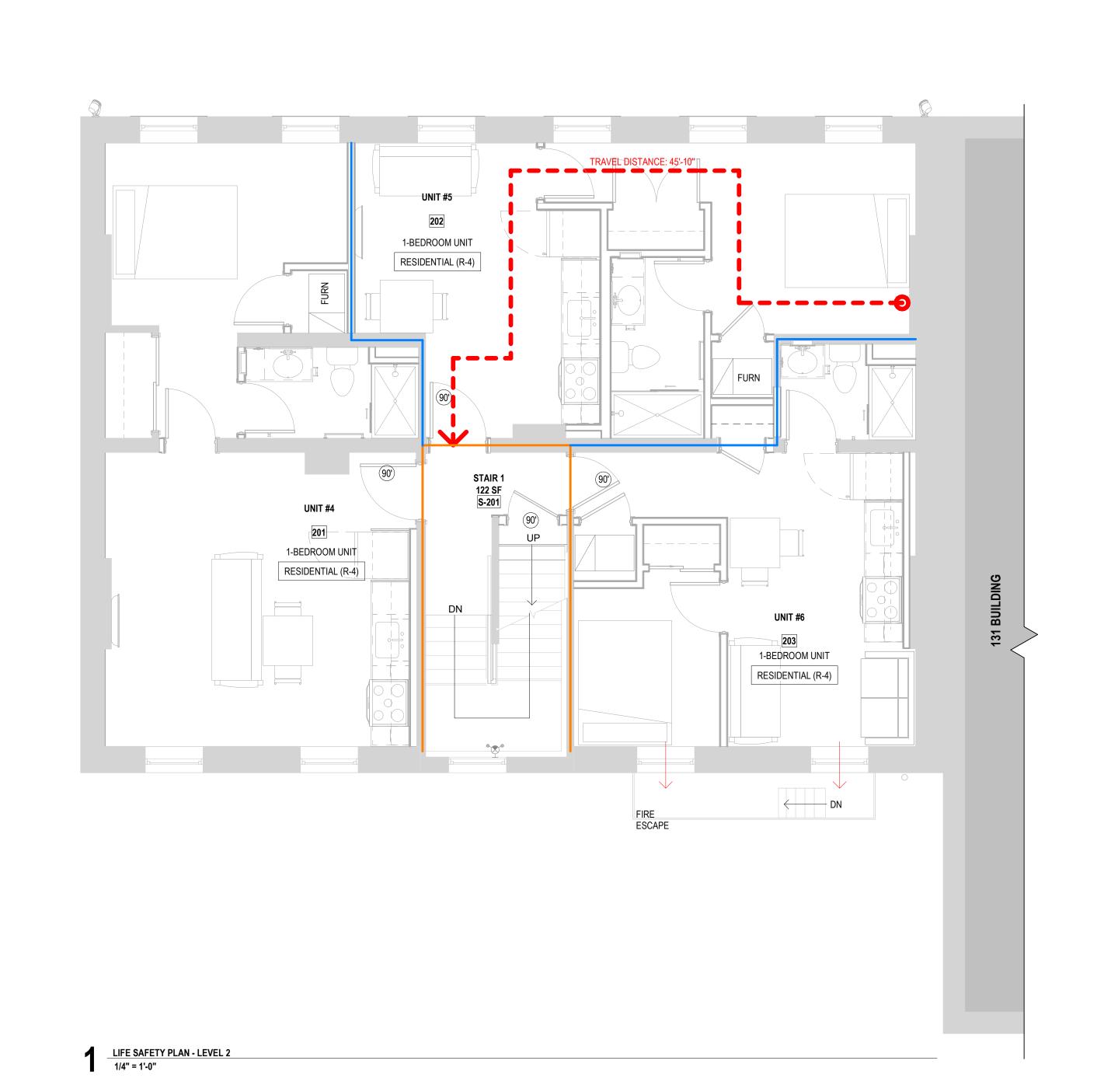


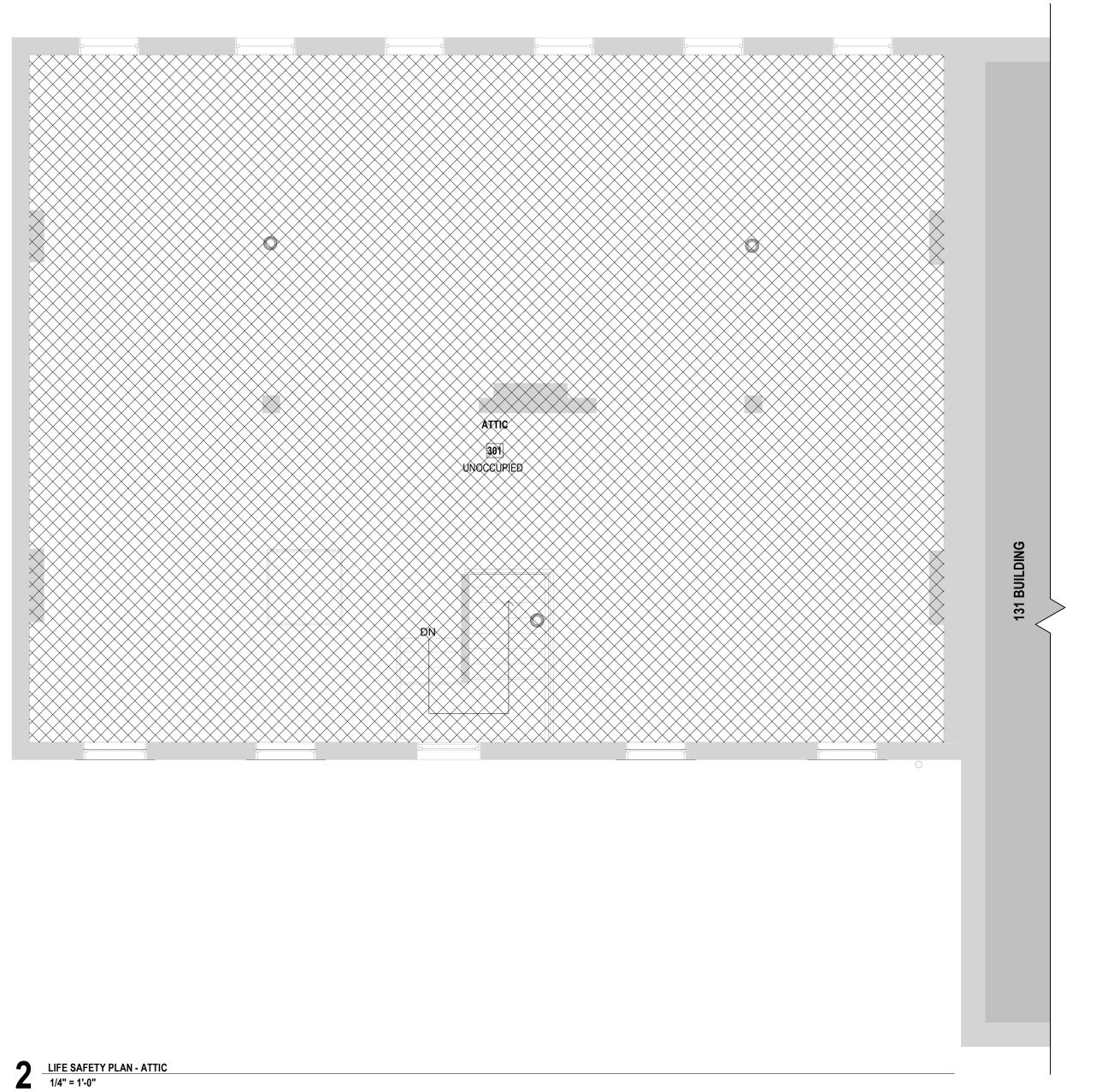


PERMIT
06-27-2023
SHEET NAME
LIFE SAFETY PLANS

SHEET NO.

0' 2' 4' 8' 16'





THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

1) ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, ETC... OF ALL FEDERAL, STATE, COUNTY OR MUNICIPAL ENTITIES HAVING JURISDICTION OVER THE PROJECT. ALL APPLICABLE REQUIREMENTS OF THESE REGULATIONS SHALL BE FOLLOWED AT ALL TIMES, REGARDLESS OF WHETHER THEY HAVE BEEN SPECIFICALLY REFERENCED IN THESE DOCUMENTS OR NOT CONFLICTS IN THESE REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED BY ALL ENTITIES HAVING JURISDICTION OVER THE PROJECT AND SHALL INCLUDE THE COST OF THOSE FEES IN THE CONTRACT.

2) ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE TERMS OF THE LEASE AND APPLICABLE BUILDING STANDARD SPECIFICATIONS. WORKMANSHIP AND MAINTAINING STANDARDS OF QUALITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ALL WORK SHOWN IN THE CONTRACT DOCUMENTS AND IS REQUIRED TO PROVIDE A COMPLETE FINISHED INSTALLATION, UNLESS OTHERWISE NOTED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUAINT HIMSELF WITH ALL SUCH TENANT AND BUILDING STANDARDS REGARDLESS OF WHETHER THEY HAVE BEEN SPECIFICALLY REFERENCED IN THESE

3) THE 'GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION' AIA DOCUMENT A201, SHALL GOVERN THIS WORK, UNLESS OTHERWISE NOTED.

4) IN THE CASE OF CONFLICTS WITHIN THESE CONSTRUCTION DOCUMENTS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

5) THESE CONTRACT DOCUMENTS SHALL BE CONSIDERED COMPLIMENTARY AND WHATEVER REQUIREMENTS ARE REQUIRED BY ANY SHALL BE BINDING AS IF REQUIRED BY ALL. 6) THE CONTRACTOR SHALL ARRANGE FOR ELEVATOR OR OTHER HOISTING FACILITIES FOR MATERIALS AS WELL AS PARKING AND

7) ALL ARRANGEMENTS FOR CONSTRUCTION PERSONNEL ENTERING THE BUILDING DURING OR AFTER WORKING HOURS, MATERIALS,

DELIVERY, STORAGE, SECURITY, DEBRIS REMOVAL, ETC... SHALL BE MADE WITH THE BUILDING MANAGEMENT.

LOADING FACILITIES WITH THE BUILDING MANAGEMENT. THE CONTRACTOR SHALL PAY ALL COSTS FOR DELIVERY AND/OR HANDLING

8) NO WORK INVOLVING EXTRA COST BEYOND THE TERMS OF THE LEASE AND THE TENANT CONSTRUCTION DOCUMENTS OF THE PREMISES AND BUILDING STANDARD MATERIALS SHALL BE COMMENCED WITHOUT PRIOR APPROVAL BY TENANT CONTRACT, AND THE

9) PRIOR TO CONSTRUCTION, THE CONTRACTOR, AND IS SUBCONTRACTORS, SHALL PROVIDE UNIT PRICES FOR ALL WORK SHOWN. SUCH UNIT PRICING SHALL BE REQUIRED TO BE SUBMITTED PRIOR TO SUBMITTAL OF THE FIRST APPLICATION FOR PAYMENT. FAILURE TO SUBMIT THE UNIT PRICING SHALL BE CONSIDERED GROUNDS FOR REJECTION OF THE INITIAL APPLICATION FOR PAYMENT. SUCH UNIT PRICES SHALL BE GOOD FOR THE DURATION OF THE PROJECT AND SHALL BE USED AS THE BASIS FOR ALL CHANGES TO THE

10) THE CONTRACTOR SHALL SCHEDULE AND PERFORM ALL WORK SO AS NOT TO DISTURB ANY TENANT IN THE BUILDING AND SHALL IDENTIFY ALL OVERTIME COSTS REQUIRED TO COMPLETE THE WORK IN HIS BID.

11) SUBSTITUTIONS SHALL BE ALLOWED ONLY IF THE SPECIFIED ITEMS CANNOT BE INSTALLED WITHIN THE TENANT'S MOVE-IN SCHEDULE AND ONLY WITH THE APPROVAL OF THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT FOR SELECTION AND APPROVAL OF ALL SUBSTITUTED ITEMS PRIOR TO SUBMISSION OF HIS BID. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE AND TO DEMONSTRATE THAT ALL SUBSTITUTIONS USED IN THE WORK COMPLY WITH THE CONTRACT DOCUMENTS. SHOULD A SUBSTITUTED PRODUCT FAIL TO PERFORM FOR ANY REASON, WHERE THE ORIGINALLY SPECIFIED PRODUCT WOULD HAVE, THE CONTRACTOR SHALL PERFORM ALL THE WORK NECESSARY TO INCORPORATE THE ORIGINALLY SPECIFIED PRODUCT AT NO

12) THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND THE FILED CONDITIONS PRIOR TO COMMENCING

13) THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTRICTING AND CONTAINING DUST, DEBRIS AND FUMES GENERATED BY THE DEMOLITION AND CONSTRUCTION BY MEANS OF TEMPORARY PARTITIONS, BARRIERS, FILTERS, SCREENS, ETC. AS REQUIRED SO THAT ADJOINING TENANTS IN THE BUILDING WILL NOT BE DISTURBED. EMPHASIS SHALL BE PLACED ON PREVENTING THE SPREAD OF DUST, DEBRIS AND FUMES THROUGH THE HVAC SYSTEM.

14) DO NOT SCALE DIMENSIONS FROM THESE DRAWINGS.

15) THE CONTRACTOR SHALL IMMEDIATELY ANALYZE THE CONTRACT DOCUMENTS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. THE CONTRACTOR SHALL BE REQUIRED TO CORRECT ANY DEFECTIVE WORK CAUSED BY WORK DONE AS A RESULT OF INCONSISTENCIES OR DISCREPANCIES IN THE DRAWINGS WHEN CLARIFICATION FROM THE ARCHITECT HAS NOT BEEN SOUGHT.

16) THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH A SET OF REPRODUCIBLE AS-BUILT DOCUMENTS AT PROJECT

17) THE CONTRACTOR SHALL PERFORM ALL WORK IN SUCH A MANNER THAT A SHUTDOWN OF ANY UTILITIES, ALARM, SECURITY OR COMMUNICATIONS SYSTEMS SHALL NOT OCCUR WITHOUT THE CONSENT OF THE BUILDING MANAGEMENT.

18) THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE ENGINEERING DRAWING REGARDING THE LOCATION OF EXPOSED AND/OR FINISHED ENGINEERING DEVICES AND CONTROLS; SUCH AS LIGHT FIXTURES, HVAC DIFFUSERS AND GRILLES, ELECTRICAL RECEPTACLES, ETC. IN THE CASE OF DISCREPANCIES BETWEEN THE DRAWINGS, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO COMMENCING THE WORK.

19) VERIFY FIELD CONDITIONS AND EXISTING LOCATIONS OF ALL PLUMBING, MECHANICAL DUCTS, STRUCTURAL ELEMENTS AND ANY AND ALL OTHER APPLICABLE ITEMS THAT MAY AFFECT THE PROJECT. INSTALL NEW PLUMBING. SPRINKLER LINES AND HEADS. MECHANICAL FANS, DUCTS SO AS TO NOT CONFLICT WITH LUMINARIES AND ANY AND ALL FIELD CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF PLENUM ELEMENTS. ARRANGE OR MODIFY NON-VISIBLE ITEMS TO FIT CONDITIONS OR REFLECTED CEILING PLAN AS REQUIRED. ANY AND ALL COST RESULTING FROM EXISTING CONDITIONS SHALL BE BORN BY THE

013300 - ADMINISTRATIVE NOTES AND SUBMITTALS

1) PROPOSAL REQUESTS ISSUED BY THE ARCHITECT ARE FOR INFORMATION ONLY. DO NOT CONSIDER THEM INSTRUCTION EITHER TO STOP WORK IN PROGRESS, OR TO EXECUTE THE PROPOSED CHANGE UNLESS SPECIFICALLY INSTRUCTED TO DO SO BY THE

2) UPON THE OWNER'S APPROVAL OR A PROPOSAL REQUEST. THE CONTRACTOR WILL ISSUE A CHANGE ORDER FOR SIGNATURES OF THE OWNER AND ARCHITECT ON AIA FORM G701, AS PROVIDED IN THE CONDITIONS OF THE CONTRACT.

3) THE CONTRACTOR SHALL PREPARE A FULLY DEVELOPED, HORIZONTAL BAR-CHART TYPE CONSTRUCTION SCHEDULE. THE

CONTRACTOR SHALL SUBMIT SUCH SCHEDULE WITHIN 7 CALENDAR DAYS OF 'NOTICE TO PROCEED'. 4) THE CONTRACT SHALL PREPARE AND SUBMIT A COMPLETE SCHEDULE OF SUBMITTALS WITHIN 14 CALENDAR DAYS OF 'NOTICE TO

5) THE CONTRACTOR SHALL REVIEW, AND APPROVE DATA SUBMITTALS, SHOP DRAWINGS AND SAMPLES PRIOR TO SUBMITTING THEM TO THE ARCHITECT. THE ARCHITECT SHALL NOT BE OBLIGATED TO REVIEW AND RETURN SUBMITTALS WITHOUT PROPER CONTRACTOR'S REVIEW.

6) THE CONTRACTOR SHALL COORDINATE THE PREPARATION AND PROCESSING OF SUBMITTALS WITH THE PERFORMANCE OF THE WORK SO THAT THE WORK WILL NOT BE DELAYED BY SUBMITTALS INCLUDING THE TIME REQUIRED FOR RESUBMITTALS.

7) THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ANY ERRORS. OMISSIONS OR DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA OR SAMPLES. ALLOW 14 DAYS FOR INITIAL SUBMITTAL REVIEW. ALLOW 7 DAYS FOR REPROCESSING EACH SUBMITTAL.

8) NO EXTENSION OF CONTRACT TIME WILL BE AUTHORIZED BECAUSE OF FAILURE TO TRANSMIT SUBMITTALS TO THE ARCHITECT SUFFICIENTLY IN ADVANCE OF THE WORK TO PERMIT PROCESSING.

9) SUBMITTALS SHALL BE TRANSMITTED FROM CONTRACTOR TO ARCHITECT USING A TRANSMITTAL FORM. ON THE TRANSMITTAL RECORD RELEVANT INFORMATION AND REQUEST FOR DATA. ON THE FORM, OR SEPARATE SHEET, RECORD DEVIATIONS FROM CONTRACT DOCUMENT REQUIREMENTS. INCLUDING MINOR VARIATIONS AND LIMITATIONS. INCLUDE CONTRACTOR'S CERTIFICATION THAT INFORMATION COMPLIES WITH CONTRACT REQUIREMENTS. ALL SHOP DRAWINGS MUST BE CROSS REFERENCED TO ARCHITECTURAL DRAWINGS.

10) PRODUCT DATA: SUBMIT DIGITAL COPIES OF EACH REQUIRED SUBMITTAL. SUBMIT 5 HARD COPIES WHERE REQUIRED FOR MAINTENANCE MANUALS. THE ARCHITECT AND ENGINEER WILL EACH RETAIN ONE COPY, AND WILL RETURN THE OTHER MARKED WITH ACTION TO BE TAKEN AND CORRECTIONS OR MODIFICATIONS REQUIRED.

11) SAMPLES: SUBMIT 3 FULL SIZE. FULLY FABRICATED SAMPLES CURED AND FINISHED AS SPECIFIED AND PHYSICALLY IDENTICAL WITH THE MATERIAL OR PRODUCT PROPOSED. SAMPLES INCLUDE PARTIAL SECTIONS OR MANUFACTURED OR FABRICATED COMPONENTS, CUTS OR CONTAINERS OF MATERIALS, COLOR RANGE SETS, AND SWATCHES SHOWING COLOR, TEXTURE AND

12) SHOP DRAWINGS SHALL SHOW COORDINATION WITH ASSOCIATED ADJACENT TRADES. FAILURE TO DO SO SHALL BE GROUNDS FOR REJECTION OF THE SHOP DRAWINGS.

024119 - SELECTIVE DEMOLITION

SUMMARY: SECTION INCLUDES SELECTIVE REMOVAL AND SUBSEQUENT OFFSITE DISPOSAL OF PORTIONS OF EXISTING BUILDING INDICATED ON DRAWINGS AND AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.

1) MATERIALS OWNERSHIP: EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPERTY, DEMOLISHED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE

2) INVENTORY: AFTER SELECTIVE DEMOLITION IS COMPLETE, SUBMIT A LIST OF ITEMS THAT HAVE BEEN REMOVED AND SALVAGED. 3) QUALITY ASSURANCE: DEMOLITION FIRM QUALIFICATIONS: AN EXPERIENCED FIRM THAT HAS SPECIALIZED IN DEMOLITION WORK SIMILAR IN MATERIAL AND EXTENT TO THAT INDICATED FOR THIS PROJECT.

4) QUALITY ASSURANCE: REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION. COMPLY WITH APPLICABLE REGULATIONS, CODES AND ORDINANCES.

5) EXECUTION: WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE THE NATURE AND EXTENT OF CONFLICT. PROMPTLY SUBMIT

6) EXECUTION: ENGAGE A PROFESSIONAL ENGINEER TO SURVEY CONDITION OF BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION OPERATIONS.

7) TEMPORARY FACILITIES: PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. A. PROTECT WALLS, CEILINGS, FLOORS, AND OTHER EXISTING FINISH WORK THAT ARE TO REMAIN OR THAT ARE EXPOSED

DURING SELECTIVE DEMOLITION OPERATIONS. 8) SELECTED DEMOLITION GENERAL: DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING

REGULATIONS AND AS FOLLOWS: A. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. B. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO

MINIMIZE DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS TO REMAIN. C. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID MARRING EXISTING D. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, VERIFY CONDITION AND CONTENTS BEFORE STARTING FLAME-CUTTING OPERATIONS. E. MAINTAIN PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.

F. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES. G. REMOVE DECAYED, VERMIN-INFESTED, OR OTHERWISE DANGEROUS OR UNSUITABLE MATERIALS AND PROMPTLY DISPOSE OF OFF-SITE. H. REMOVE STRUCTURAL FRAMING MEMBERS AND LOWER TO GROUND BY METHOD SUITABLE TO AVOID FREE FALL AND TO PREVENT GROUND IMPACT OR DUST GENERATION. I. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.

9) REMOVED AND REINSTALLED ITEMS: COMPLY WITH THE FOLLOWING: A. CLEAN AND REPAIR ITEMS TO FUNCTIONAL CONDITION ADEQUATE FOR INTENDED REUSE. PAINT EQUIPMENT TO MATCH

10) EXISTING ITEMS TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION.

NEW EQUIPMENT.

RETURNS AND MITER AT CORNERS.

12) CABINET HARDWARE:

1) EXCEPT AS OTHERWISE SHOWN OR SPECIFIED, COMPLY WITH PROVISIONS OF THE ARCHITECTURAL WOODWORK INSTITUTE (AWI) "QUALITY STANDARDS, MOST RECENT EDITION." WORK SHALL BE PERFORMED IN THE HIGHEST GRADE APPLICABLE.

A.	SPECIFIC ITEMS	<u>AWI STANDARD</u>
B.	STANDING AND RUNNING TRIM WITH OPAQUE FINISH	300
C.	CASEWORK W/TRANSPARENT FINISH	400 & 400A
D.	PLASTIC LAMINATE CLAD CABINETS	400 & 400B
E.	ARCHITECTURAL COUNTERTOPS	400 & 400C
F.	LUMBER	100
G.	PANELING	500
H.	SHELVING	600, CUSTOM GRADE
l.	MISCELLANEOUS WORK	700
J.	ARCHITECTURAL FLUSH DOORS	1300
K.	STILE AND RAIL DOORS	1400
L.	FACTORY FINISHING	1500
M.	INSTALLATION OF ARCHITECTURAL WOODWORK	1700

2) CABINET CONSTRUCTION STYLE SHALL BE 'FLUSH OVERLAY' AS PER AWI STANDARDS.

3) ALL VENEERS SHALL BE AWI PREMIUM GRADE, ALL TRANSPARENT AND SEMI-TRANSPARENT MILLWORK SHALL BE AWI PREMIUM GRADE. ALL PLASTIC LAMINATE WORK SHALL BE AWI CUSTOM GRADE. HOWEVER, PLASTIC LAMINATE EDGE BANDING SHALL BE APPLIED PRIOR TO FACE LAMINATE. THIS REQUIREMENT SUPERSEDES AWI STANDARDS.

4) VENEERS SHALL BE LAID UP AS CENTER MATCHED AND BOOK MATCHED. SEMI-TRANSPARENT AND TRANSPARENT FINISHES SHALL BE AWI #2 CATALYZED LACQUER, UNLESS NOTED OTHERWISE. SHEEN LEVEL SHALL BE MEDIUM RUBBED EFFECT, 40 DEGREES. STAIN COLOR TO MATCH THE ARCHITECT'S SAMPLE. ALL STAIN GRADE WOOD SHALL BE SANDED USING 150 GRIT GARNET OPEN COAT. THIS REQUIREMENT SUPERSEDES AWI STANDARDS.

5) PROVIDE 3 FINISHED SAMPLES OF EACH TYPE OF TRIM AND WOOD VENEER TO BE USED ON THE PROJECT. 6) INSTALL STANDING AND RUNNING TRIM WITH MINIMUM NUMBER OF JOINTS POSSIBLE, USING FULL LENGTH PIECES. COPE AT

7) CHECK ACTUAL DIMENSIONS OF OTHER CONSTRUCTION WHERE MILLWORK MUST FIT BY ACCURATE FIELD MEASUREMENTS PRIOR TO FABRICATION OF THE WORK.

8) TO THE GREATEST DEGREE POSSIBLE, FINISH ARCHITECTURAL WOODWORK AT THE FACTORY OR MILLWORK SHOP. DEFER ONLY FINAL TOUCH UP, CLEANING AND POLISHING UNTIL AFTER INSTALLATION.

9) INSTALL MILLWORK PLUMB, LEVEL AND STRAIGHT. SHIM AS REQUIRED WITH CONCEALED SHIMS PROVIDE A MAXIMUM TOLERANCE OF 1/8" IN 8'-0" FOR PLUM AND LEVEL. SCRIBE AND CUT MILLWORK TO FIT ADJOINING WORK AND REFINISH CUT SURFACES.

10) ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENINGS AND TO PROVIDE UNENCUMBERED OPERATION. 11) JOINTS FOR STONE TOPS SHALL BE BUTT JOINTS WITH MINIMAL SEALANT EXPOSED.

A. HARDWARE TO COMPLY WITH ANSI A156.9. 'AMERICAN NATIONAL STANDARD FOR CABINET HARDWARE.' B. HINGES SHALL BE PROPER NUMBER PER LEAF AS NOTED IN MANUFACTURER'S LOAD CHARTS, BUT NOT LESS THAN 3 PER LEAF. PROVIDE FULL OR HALF OVERLAY AS REQUIRED. PROVIDE SPRING LOADED HINGES FOR EASE OF DOOR OPERATION. BASIS OF DESIGN SHALL BE BLUM MODEL 90, 170 DEGREE OPENING CONCEALED HINGES. C. DRAWER GLIDES SHALL BE K & V OR EQUAL BY GRANT OR ACCURIDE OF CORRECT SIZE FOR DRAWER DEPTH. PROVIDE SIDE PAIR 100 LB. RATED BALL BEARING ROLLERS 1/2" WIDE UNITS W/FULL EXTENSION. D. SILENCERS SHALL BE 1/2" DIAMETER RUBBER.

072100 - THERMAL INSULATION

SUMMARY: SECTION INCLUDES THERMAL INSULATION PRODUCTS AND SYSTEMS AND SUPPLEMENTARY ITEMS NECESSARY FOR

1) INFORMATIONAL SUBMITTALS: CERTIFICATION BY THE SPRAY THERMAL INSULATION MANUFACTURER THAT ITS PRODUCT(S) ARE APPROVED, ACCEPTABLE, SUITABLE FOR USE IN SPECIFIC LOCATIONS, FOR SPECIFIC DETAILS, AND FOR APPLICATIONS INDICATED,

2) DELIVERY, STORAGE, AND HANDLING: PROTECT INSULATION MATERIALS FROM PHYSICAL DAMAGE AND FROM DETERIORATION BY

MOISTURE, SOILING, AND OTHER SOURCES. STORE INSIDE AND IN A DRY LOCATION. COMPLY WITH MANUFACTURER'S WRITTEN

INSTRUCTIONS FOR HANDLING, STORING, AND PROTECTING DURING INSTALLATION. 3) MATERIALS, GENERAL: FURNISH EACH TYPE OF PRODUCT FROM SINGLE MANUFACTURER. PROVIDE SECONDARY MATERIALS ONLY AS RECOMMENDED BY MANUFACTURER OF PRIMARY MATERIALS.

4) PROVIDE INSULATING MATERIALS THAT COMPLY WITH REQUIREMENTS AND REFERENCED STANDARDS IN SIZES TO FIT

APPLICATIONS INDICATED, SELECTED FROM MANUFACTURER'S STANDARD THICKNESSES, WIDTHS, AND LENGTHS.

5) UNFACED INSULATION DESCRIPTION: ASTM C 665, TYPE I, ASTM C553, TYPE II. UNFACED BLANKETS PRODUCED BY BONDING INORGANIC GLASS MINERAL FIBERS WITH A THERMOSETTING BINDER; FREE OF FORMALDEHYDE. SURFACE BURNING CHARACTERISTICS PER ASTM E 84. FLAME SPREAD= 25 OR LESS.

A. MANUFACTURERS AND PRODUCTS: i. CERTAINTEED CORPORATION; CERTAPRO SUSTAINABLE INSULATION.

ii. JOHNS MANVILLE; UNFACED BATTS FOR METAL FRAMING.

iii. KNAUF INSULATION; ECOBATT WITH ECOSE TECHNOLOGY. iv. OWENS-CORNING; ECOTOUCH THERMAL BATTS FOR METAL FRAME CONSTRUCTION.

8) FACED INSULATION DESCRIPTION: ASTM C 665, TYPE III, CLASS A, CATEGORY 1, ASTM C553, TYPE II. FACED BLANKETS PRODUCED BY BONDING INORGANIC GLASS MINERAL FIBERS WITH A THERMOSETTING BINDER, FACED WITH FOIL-SCRIM-KRAFT, VAPOR-RETARDER MEMBRANE; FREE OF FORMALDEHYDE. SURFACE BURNING CHARACTERISTICS PER ASTM E 84. FLAME SPREAD= 25 OR

A. MANUFACTURERS AND PRODUCTS: i. CERTAINTEED CORPORATION; CERTAPRO SUSTAINABLE INSULATION FSK-25.

ii. JOHNS MANVILLE; FSK-25. iii. KNAUF INSULATION; ECOBATT WITH ECOSE TECHNOLOGY, FSK FACED. iv. OWENS-CORNING; ECOTOUCH FLAME SPREAD 25.

9) EXTRUDED POLYSTYRENE RIGID INSULATION DESCRIPTION: UNFACED, RIGID, CELLULAR POLYSTYRENE THERMAL INSULATION FORMED FROM POLYSTYRENE BASE RESIN BY AN EXTRUSION PROCESS, AND WITH OTHER REQUIREMENTS INDICATED IN THIS ARTICLE. SURFACE BURNING CHARACTERISTICS PER ASTM E 84. FLAME SPREAD= 25 OR LESS. SMOKE DEVELOPED= 450 OR LESS.

10) EXTRUDED POLYSTYRENE RIGID INSULATION EXTERIOR WALL CAVITY LOCATIONS: PRODUCT QUALITY STANDARD- ASTM C 578, TYPE IV, 25 PSI MINIMUM COMPRESSIVE STRENGTH. SIZE- 2 IN (50 MM) THICK BY 16 IN (400 MM) HIGH BY 96 IN (2400 MM) LONG, SQUARE EDGES. R-VALUE= 10. A. MANUFACTURERS AND PRODUCTS:

i. DOW CHEMICAL COMPANY; STYROFOAM CAVITYMATE PLUS.

ii. OWENS CORNING; FOAMULAR CW25. iii. PACTIV BUILDING PRODUCTS DIVISION; GREENGUARD TYPE IV 25.

11) INSTALLATION, GENERAL: INSTALL INSULATION THAT IS UNDAMAGED, DRY, AND UNSOILED AND THAT HAS NOT BEEN LEFT EXPOSED AT ANY TIME TO ICE, RAIN, OR SNOW, COMPLY WITH INSULATION MANUFACTURER'S WRITTEN INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATION INDICATED. EXTEND INSULATION IN THICKNESS INDICATED TO ENVELOP ENTIRE AREA TO BE INSULATED. CUT AND FIT TIGHTLY AROUND OBSTRUCTIONS AND FILL VOIDS WITH INSULATION. REMOVE PROJECTIONS THAT INTERFERE WITH PLACEMENT. APPLY A SINGLE LAYER OF INSULATION TO PRODUCE THICKNESS INDICATED, UNLESS MULTIPLE LAYERS ARE OTHERWISE SHOWN OR REQUIRED TO MAKE UP TOTAL THICKNESS.

12) INSTALL EXTRUDED POLYSTYRENE BOARD INSULATION ACCORDING TO FOLLOWING:

A. ON VERTICAL SURFACES, SET UNITS IN ADHESIVE APPLIED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS AND PRESS IN PLACE TO BOND WITH SUBSTRATE AND, WITHOUT FORCING, IN MODERATE CONTACT BETWEEN

B. ON HORIZONTAL SURFACES, SET UNITS WITH END JOINTS STAGGERED. C. SEAL JOINTS BETWEEN INSULATION UNITS BY APPLYING ADHESIVE, MASTIC, OR SEALANT TO EDGES OF EACH UNIT TO

FORM A TIGHT SEAL AS UNITS ARE PUT INTO PLACE. FILL VOIDS IN COMPLETED INSTALLATION WITH ADHESIVE, MASTIC, OR SEALANT AS RECOMMENDED BY INSULATION MANUFACTURER.

STOP MANUFACTURER.

1) FIRE STOPPING SHALL COMPLY WITH THE STANDARDS REQUIRED BY ASTM E814-88 "STANDARD TEST METHOD FOR FIRE TESTS OF THROUGH-PENETRATION FIRE STOPS" AND SHALL COMPLY WITH UL 1479 "FIRE TESTS OF THROUGH-PENETRATION FIRE STOPS."

2) FIRE STOPPING SYSTEMS SHALL CONFORM TO BOTH FLAME (F) AND TEMPERATURE (T) RATINGS AS REQUIRED BY LOCAL BUILDING CODE AND AS TESTED BY NATIONALLY ACCEPTED TEST AGENCIES PER ASTM E814 AND UL 1479 FIRE TESTS IN A CONFIGURATION THAT IS REPRESENTATIVE OF FIELD CONDITIONS. THE (F) RATING MUST BE A MINIMUM OF ONE HOUR, BUT NOT LESS THAN THE FIRE RESISTANCE RATING OF THE ASSEMBLY BEING PENETRATED.

3) FIRE STOPPING SHALL BE INSTALLED IN ALL OPENINGS IN FIRE-RATED FLOOR AND WALL ASSEMBLIES, BOTH BLANK (EMPTY) AND THOSE ACCOMMODATING PENETRATING ITEMS SUCH AS CABLES, CONDUITS, PIPES, DUCTS, ETC.

4) FIRE STOPPING MATERIALS AND SYSTEMS SHALL BE CAPABLE OF CLOSING OR FILLING THROUGH OPENINGS CREATED BY THE BURNING OR MELTING OF COMBUSTIBLE PIPES, CABLE JACKETING, OR PIPE INSULATION MATERIALS, OR OPENINGS CREATED BY DEFLECTION OF SHEET METAL DUE TO THERMAL EXPANSION (ELECTRICAL OR MECHANICAL DUCTWORK).

5) FIRE STOPPING MATERIAL SHALL BE ASBESTOS-FREE AND SHALL NOT INCORPORATE NOR REQUIRE THE USE OF HAZARDOUS FIRE STOPPING MATERIALS SHALL NOT SHRINK OR DISSOLVED ONCE DRY AS EVIDENCED BY CRACKING OR PULLING BACK FROM CONTACT SURFACES.

6) ALL FIRE STOPPING MATERIALS SHALL BE MANUFACTURED BY ONE MANUFACTURER TO THE MAXIMUM EXTENT POSSIBLE.

7) ALL FIRE STOP PRODUCTS AND SYSTEMS SHALL BE DESIGNED AND INSTALLED SO THAT THE BASIC SEALING SYSTEM WILL ALLOW THE FULL RESTORATION OF THE THERMAL AND FIRE RESISTANCE PROPERTIES OF THE BARRIER BEING PENETRATED WITH MINIMAL

8) ALL THROUGH-PENETRATIONS, CONSTRUCTION GAPS, JOINTS AND THROUGH OPENINGS OCCURRING, ADJACENT TO, OR BETWEEN

THE FIRE-RATED FLOOR/CEILINGS AND WALLS SHALL BE FIRE STOPPED UL SPECIFICATIONS. 9) ALL COMBUSTIBLE PENETRANTS (I.E. NON-METALLIC PIPES OR INSULATED METALLIC PIPES) SHALL BE FIRE STOPPED USING PRODUCTS AND SYSTEMS TESTED IN A CONFIGURATION REPRESENTATIVE OF THE FIELD CONDITION. SUBMIT MANUFACTURER'S

PRODUCT LITERATURE FOR EACH TYPE OF FIRE STOP MATERIAL TO BE INSTALLED. LITERATURE SHALL INDICATE PRODUCT

CHARACTERISTICS, TYPICAL USES, PERFORMANCE AND LIMITATION CRITERIA, AND TEST DATA. 10) SUBMIT DOCUMENTS VERIFYING THE INSTALLER OF FIRE STOP MATERIAL IS CERTIFIED, LICENSED AND RECOGNIZED BY THE FIRE

11) FIRE STOP MATERIAL SHALL BE DELIVERED IN THE MANUFACTURER'S ORIGINAL, UNOPENED CONTAINERS OR PACKAGES WITH THE MANUFACTURER'S NAME, PRODUCT IDENTIFICATION, LOT NUMBER, UL LABEL, AND MIXING AND INSTALLATION INSTRUCTIONS AS APPLICABLE.

12) MATERIALS SHALL BE STORED IN THE ORIGINAL, UNOPENED CONTAINERS OR PACKAGES, AND UNDER CONDITIONS RECOMMENDED BY THE MANUFACTURER.

13) EXAMINE THE AREAS AND CONDITIONS WHERE FIRE STOPS ARE TO BE INSTALLED AND NOTIFY THE ARCHITECT OF CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ARCHITECT.

14) INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S PRINTED INSTRUCTIONS FOR INSTALLATION AND, WHEN APPLICABLE CURING, IN ACCORDANCE WITH TEMPERATURE AND HUMIDITY. CONFORM TO VENTILATION AND SAFETY REQUIREMENTS.

15) WHERE FIRE STOPPING IS INSTALLED AT LOCATIONS WHICH REMAIN EXPOSED TO THE COMPLETED WORK, PROTECTION SHALL BE PROVIDED AS NECESSARY TO PREVENT DAMAGE TO ADJACENT SURFACES AND FINISHES, AND PROTECT AS NECESSARY AGAINST DAMAGE FROM OTHER CONSTRUCTION ACTIVITIES.

16) LEAVE FINISHED WORK IN NEAT, CLEAN CONDITION, WITH NO EVIDENCE OF SPILLOVERS OR DAMAGE TO ADJACENT SURFACES.

079200 - JOINT SEALANTS

SUMMARY: SECTION INCLUDES JOINT SEALANTS, BACKING MATERIALS, AND SUPPLEMENTARY ITEMS NECESSARY FOR INSTALLATION. 1) INFORMATIONAL SUBMITTALS: CERTIFICATION BY THE MANUFACTURER THAT ITS PRODUCT(S) ARE APPROVED, ACCEPTABLE, SUITABLE FOR USE IN SPECIFIC LOCATIONS, FOR SPECIFIC DETAILS, AND FOR APPLICATIONS INDICATED, SPECIFIED, OR REQUIRED, AND THAT A WARRANTY WILL BE ISSUED.

2) WARRANTIES: PROVIDE MANUFACTURER'S AND INSTALLER'S WRITTEN WARRANTY COVERING MATERIALS AND INSTALLATION (LABOR) STATING OBLIGATIONS, REMEDIES, LIMITATIONS, AND EXCLUSIONS.

3) MANUFACTURER QUALIFICATIONS: MANUFACTURER WITH NOT LESS THAN 5 YEARS OF EXPERIENCE IN THE SUCCESSFUL PRODUCTION AND IN-SERVICE PERFORMANCE OF PRODUCTS AND SYSTEMS SIMILAR TO SCOPE OF THIS PROJECT.

4) INSTALLER QUALIFICATIONS/ EXPERIENCE: INSTALLER'S PERSONNEL WITH NOT LESS THAN 1 YEAR OF EXPERIENCE IN THE SUCCESSFUL PERFORMANCE OF WORK SIMILAR TO SCOPE OF THIS PROJECT.

5) AMBIENT CONDITIONS: INSTALL JOINT SEALANTS WITHIN RANGE OF AMBIENT AND SUBSTRATE TEMPERATURES AND MOISTURE CONDITIONS AS RECOMMENDED BY MANUFACTURER. PROTECT SUBSTRATES FROM ENVIRONMENTAL CONDITIONS THAT AFFECT PERFORMANCE. DO NOT APPLY TO A DAMP OR WET SUBSTRATE OR DURING HIGH HUMIDITY CONDITIONS INCLUDING SNOW, RAIN, FOG, OR MIST. PROCEED WITH WORK ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS WILL PERMIT INSTALLATION ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND WARRANTY REQUIREMENTS.

6) MANUFACTURER'S WARRANTY FOR SILICONE SEALANTS: FURNISH MANUFACTURER'S WRITTEN MATERIAL WARRANTY SIGNED BY AN AUTHORIZED REPRESENTATIVE USING MANUFACTURER'S STANDARD FORM AGREEING TO FURNISH MATERIALS REQUIRED TO REPAIR OR REPLACE WORK WHICH EXHIBITS MATERIAL DEFECTS CAUSED BY MANUFACTURE OR DESIGN OF PRODUCT. "DEFECTS" IS DEFINED TO INCLUDE BUT NOT LIMITED TO DETERIORATION OR FAILURE TO PERFORM AS REQUIRED.

7) WARRANTY PERIOD: MANUFACTURER SHALL WARRANT THE PRODUCTS TO BE FREE FROM MATERIAL DEFECTS FOR A PERIOD OF 20 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

8) SINGLE SOURCE RESPONSIBILITY: FURNISH EACH TYPE OF PRODUCT FROM SINGLE MANUFACTURER. PROVIDE SECONDARY MATERIALS ONLY AS RECOMMENDED BY MANUFACTURER OF PRIMARY MATERIALS.

9) COMPATIBILITY: JOINT SEALANTS, BACKINGS, AND OTHER RELATED MATERIALS SHALL BE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY JOINT SEALANT MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.

10) SEALANT COLOR: SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS.

11) EXTERIOR NON-SAG SILICONE SEALANT: PRODUCT QUALITY STANDARD- ASTM C 920, TYPE S, GRADE NS, CLASS 50 OR 100/50.

12) EXTERIOR NON-SAG SILICONE SEALANT DESCRIPTION: SINGLE COMPONENT, NON-SAG, NEUTRAL CURE, NON-STAINING AS DÉTERMINED BY PRE-CONSTRUCTION STAIN TESTING, AND NON-BLEEDING, SILICONE SEALANT. JOINT MOVEMENT CAPABILITY: A.CLASS 50: PLUS 50 PERCENT, MINUS 50 PERCENT. B.CLASS 100/50: PLUS 100 PERCENT, MINUS 50 PERCENT.

13) MANUFACTURERS AND PRODUCTS (CLASS 50):

A. DOW; DOWSIL 795 SILICONE BUILDING SEALANT. B. MOMENTIVE PERFORMANCE MATERIALS, GE SILICONES; SILPRUF SCS2000. C. PECORA CORP.; 864NST.

E. TREMCO COMMERCIAL SEALANTS & WATERPROOFING; SPECTREM 3.

D. SIKA CORP., CONSTRUCTION PRODUCTS DIV.; SIKASIL WS-295.

14) SEALANT BACKING MATERIAL, GENERAL: NONSTAINING; COMPATIBLE WITH JOINT SUBSTRATES, SEALANTS, PRIMERS, AND OTHER JOINT FILLERS; AND APPROVED FOR APPLICATIONS INDICATED BY SEALANT MANUFACTURER BASED ON FIELD EXPERIENCE AND LABORATORY TESTING.

15) CYLINDRICAL SEALANT BACKINGS: PRODUCT QUALITY STANDARD- ASTM C 1330, TYPE C, TYPE O, TYPE B; AS APPROVED IN WRITING BY JOINT-SEALANT MANUFACTURER FOR JOINT APPLICATION INDICATED.

16) CYLINDRICAL SEALANT BACKINGS DESCRIPTION: EXTRUDED POLYETHYLENE, POLYURETHANE, OR POLYOLEFIN IN EITHER CLOSED CELL STRUCTURE (TYPE C), OPEN CELL STRUCTURE (TYPE O), OR BICELLULAR STRUCTURE WITH SURFACE SKIN (TYPE B) AS DEFINED BY ASTM TERMINOLOGY C 717.

17) CYLINDRICAL SEALANT BACKINGS SIZE: DIAMETER APPROXIMATELY 25 PERCENT LARGER THAN JOINT WIDTH, UNLESS OTHERWISE DIRECTED BY MANUFACTURER.

18) BOND-BREAKER TAPE: POLYETHYLENE TAPE OR OTHER PLASTIC TAPE RECOMMENDED BY SEALANT MANUFACTURER FOR PREVENTING SEALANT FROM ADHERING TO RIGID, INFLEXIBLE JOINT-FILLER MATERIALS, OR JOINT SURFACES AT BACK OF JOINT

WHERE SUCH ADHESION WOULD RESULT IN SEALANT FAILURE. PROVIDE SELF-ADHESIVE TAPE WHERE APPLICABLE. 19) ACCESSORIES: WEEP HOLE BAFFLES- PVC-COATED, RETICULATED OPEN CELL POLYURETHANE FOAM, 30 - 40PPI SIZED FOR INSTALLATION AT 30 TO 50 PERCENT COMPRESSION.

20) PREPARATION/ CLEANING OF JOINTS: CLEAN OUT JOINTS IMMEDIATELY BEFORE INSTALLING JOINT BACKINGS AND SEALANTS TO COMPLY WITH JOINT SEALANT MANUFACTURER'S WRITTEN INSTRUCTIONS, REMOVE FOREIGN MATERIAL THAT COULD INTERFERE WITH ADHESION OF JOINT SEALANT, INCLUDING, BUT NOT LIMITED TO, DUST, PAINTS (EXCEPT FOR PERMANENT, PROTECTIVE COATINGS TESTED AND APPROVED FOR SEALANT ADHESION AND COMPATIBILITY BY SEALANT MANUFACTURER), OLD JOINT SEALANTS, OIL, GREASE, WATERPROOFING, WATER REPELLENTS, WATER, SURFACE DIRT, AND FROST, CLEAN POROUS JOINT SUBSTRATE SURFACES BY BRUSHING, GRINDING, MECHANICAL ABRADING, OR A COMBINATION OF THESE METHODS TO PRODUCE A CLEAN, SOUND SUBSTRATE CAPABLE OF DEVELOPING OPTIMUM BOND WITH JOINT SEALANTS. REMOVE LOOSE PARTICLES REMAINING AFTER CLEANING OPERATIONS ABOVE BY VACUUMING OR BLOWING OUT JOINTS WITH OIL-FREE COMPRESSED AIR. REMOVE LAITANCE AND FORM-RELEASE AGENTS FROM CONCRETE. CLEAN NON-POROUS JOINT SUBSTRATE SURFACES WITH CHEMICAL CLEANERS OR OTHER MEANS THAT DO NOT STAIN, HARM SUBSTRATES, OR LEAVE RESIDUES CAPABLE OF INTERFERING WITH ADHESION OF JOINT SEALANTS. SUBSTRATE MATERIAL ALLOWED BY SEALANT'S ASTM C 920 USE CLASSIFICATION.

21) INSTALLATION OF JOINT SEALANTS: COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR PRODUCTS AND APPLICATIONS INDICATED, UNLESS MORE STRINGENT REQUIREMENTS APPLY.

22) SEALANT INSTALLATION STANDARD: COMPLY WITH RECOMMENDATIONS IN ASTM C1193 FOR USE OF JOINT SEALANTS AS

APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS INDICATED. 23) JOINT SEALANT BACKINGS: INSTALL TYPE INDICATED TO SUPPORT SEALANTS DURING APPLICATION AND AT POSITION REQUIRED TO PRODUCE CROSS-SECTIONAL SHAPES AND DEPTHS OF INSTALLED SEALANTS RELATIVE TO JOINT WIDTHS THAT ALLOW OPTIMUM

SEALANT MOVEMENT CAPABILITY. A. DO NOT LEAVE GAPS BETWEEN ENDS OF SEALANT BACKINGS.

B. DO NOT STRETCH, TWIST, PUNCTURE, OR TEAR BACKINGS. C. REMOVE ABSORBENT SEALANT BACKINGS THAT HAVE BECOME WET OR DAMAGED BEFORE SEALANT APPLICATION AND REPLACE WITH DRY MATERIALS.

24) CLEANING: REMOVE EXCESS SEALANT OR SEALANT SMEARS ADJACENT TO JOINTS AS WORK PROGRESSES BY METHODS AND

WITH CLEANING MATERIALS APPROVED IN WRITING BY MANUFACTURERS OF JOINT SEALANTS AND OF PRODUCTS IN WHICH JOINTS

B. INTERIOR NON-SAG SILICONE SEALANT- AS SELECTED FROM MANUFACTURER'S STANDARD COLORS.

C. INTERIOR NON-SAG ACRYLIC LATEX SEALANT- AS SELECTED FROM MANUFACTURER'S STANDARD COLORS.

25) JOINT SEALANT COLORS: A. EXTERIOR NON-SAG SILICONE SEALANT- AS SELECTED FROM MANUFACTURER'S STANDARD COLORS.

REVISION

DESCRIPTION

ARCHITECT & INTERIOR DESIGN

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STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

ENIGINEERED BUILDING SERVICES, INC.

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ARCX STUDIO PROJECT NUMBER

MEP ENGINEER

ISSUED FOR

PERMIT 06-27-2023

SHEET NAME

ARCHITECTURAL SPECIFICATIONS

SHEET NO.

081113 - HOLLOW METAL DOORS AND FRAMES

1) SUBMIT DATA FOR EACH TYPE OF FRAME SPECIFIED, INCLUDING DETAILS OF CONSTRUCTION, MATERIALS, DIMENSIONS, HARDWARE PREPARATION, CORE, EDGE, LABEL COMPLIANCE, SOUND RATINGS, PROFILES AND FINISHES.

2) SUBMIT SHOP DRAWINGS SHOWING FABRICATION AND INSTALLATION OF DOORS & FRAMES, INCLUDE DETAILS OF EACH FRAME TYPE, ELEVATIONS OF EACH DOOR DESIGN TYPES, CONDITIONS AT OPENINGS, DETAILS OF CONSTRUCTION, LOCATION, AND INSTALLATION REQUIREMENTS OF DOOR AND FRAME, HARDWARE AND REINFORCEMENTS, AND DETAILS OF JOINTS AND CONNECTIONS, SHOW ANCHORAGE AND ACCESSORY ITEMS.

3) FIRE-RATED DOOR AND FRAME ASSEMBLIES SHALL COMPLY WITH NFPA NO. 80. THEY SHALL BE IDENTICAL TO DOOR AND FRAME ASSEMBLIES WHOSE FIRE RESISTANCE CHARACTERISTICS HAVE BEEN DETERMINED PER ASTM E 152 AND WHICH ARE LABELED AND LISTED BY UL, FACTORY MUTUAL, WARNOCK HERSEY, OR OTHER TESTING AND INSPECTING ORGANIZATIONS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

4) SUBMIT SCHEDULE OF DOORS AND FRAMES USING SAME REFERENCE NUMBERS FOR DETAILS OPENINGS AS THOSE ON CONTRACT

5) DOORS & FRAMES SHALL BE DELIVERED CARDBOARD-WRAPPED OR CRATED TO PROVIDE PROTECTION DURING TRANSIT AND JOB STORAGE. PROVIDE ADDITIONAL PROTECTION TO PREVENT DAMAGE TO FINISH OF FACTORY-FINISHED FRAMES.

6) DOORS & FRAMES SHALL BE INSPECTED UPON DELIVERY FOR DAMAGE. MINOR DAMAGES MAY BE REPAIRED, REFINISHED ITEMS SHALL EQUAL IN ALL RESPECTS AS NEW AND ACCEPTABLE OF ARCHITECT. OTHERWISE, REMOVE AND REPLACE DAMAGED ITEMS.

7) DOORS & FRAMES SHALL BE STORED AT BUILDING SITE UNDER COVER AND PER MANUFACTURER'S RECOMMENDATIONS. PLACE UNITS ON MINIMUM FOUR INCH (4") HIGH WOOD BLOCKING. AVOID USE OF NON-VENTED PLASTIC OR CANVAS SHELTERS WHICH COULD CREATE HUMIDITY CHAMBERS. IF CARDBOARD WRAPPERS ON FRAMES BECOME WET, REMOVE CARTON IMMEDIATELY. PROVIDE 1/4 "SPACES BETWEEN STACKED DOORS & FRAMES TO PROMOTE AIR CIRCULATION.

8) DOORS & FRAMES SHALL BE PREPARED IN ACCORDANCE WITH FINAL DOOR HARDWARE SCHEDULE AND TEMPLATES PROVIDED BY HARDWARE SUPPLIER. INSTALLER SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI A115 SERIES SPECIFICATIONS FOR

9) EXCEPT ON WEATHER STRIPPED FRAMES, STOPS SHALL BE DRILLED TO RECEIVE 3 SILENCERS ON STRIKE JAMBS OF SINGLE-DOOR FRAMES AND 2 SILENCERS ON HEADS OF DOUBLE-DOOR FRAMES.

10) IN METAL STUD PARTITIONS, INSTALL AT LEAST THREE (3) WALL ANCHORS PER JAMB AT HINGE AND STRIKE LEVELS. IN CLOSED STEEL STUD PARTITIONS, ATTACH WALL ANCHORS TO STUDS WITH SCREWS.

11) OFFSET TOLERANCE AT MEETING EDGE OF PAIR OF DOORS SHALL NOT EXCEED 1/8" EVEN IF SINGLE DOORS COMPLY WITH WARP

12) WARRANTY SHALL INCLUDE REINSTALLATION WHICH MAY BE REQUIRED DUE TO REPAIR OR REPLACEMENT OF DEFECTIVE DOORS WHERE DEFECT WAS NOT APPARENT PRIOR TO HANGING.

13) CONTRACTOR SHALL EXAMINE ALL INSTALLED DOOR FRAMES PRIOR TO HANGING DOOR. VERIFY THAT FRAMES COMPLY WITH INDICATED REQUIREMENTS FOR THE SIZE, TYPE, LOCATION, AND SWING CHARACTERISTICS AND HAVE BEEN INSTALLED WITH PLUMB JAMBS AND LEVEL HEADS. REJECT DOORS WITH DEFECTS.

14) COORDINATE MEASUREMENTS OF HARDWARE MORTISES IN METAL FRAMES TO VERIFY DIMENSIONS AND ALIGNMENT BEFORE PROCEEDING WITH FACTORY PRE-MACHINING.

15) REHANG OR REPLACE DOORS WHICH DO NOT SWING OR OPERATE FREELY AND REFINISH OR REPLACE ALL DOORS DAMAGED DURING INSTALLATION.

16) INSTALLER SHALL ADVISE THE CONTRACTOR OF PROPER PROCEDURES REQUIRED FOR PROTECTION OF INSTALLED WOOD DOORS FROM DAMAGE OR DETERIORATION UNTIL TIME OF SUBSTANTIAL PROJECT COMPLETION.

17) PROVIDE FIRE-RATED HOLLOW METAL FRAMES INVESTIGATED AND TESTED AS A FIRE DOOR ASSEMBLY. COMPLETE WITH TYPE OF FIRE DOOR HARDWARE TO BE USED. IDENTIFY EACH FIRE DOOR FRAME WITH UL LABELS, INDICATING APPLICABLE FIRE RATING OR

18) PROVIDE METAL FRAMES FOR DOORS OF TYPES AND STYLES AS SHOWN ON DRAWINGS AND SCHEDULES. CONCEAL FASTENINGS UNLESS OTHERWISE NOTED. FABRICATE FRAMES OF MINIMUM 18-GAUGE COLD-ROLLED STEEL.

19) FRAMES SHALL COMPLY WITH ASTM A366. FURNISH FRAMES WITH FIXED STRIPS BUTTED. USE ROLLED SECTIONS FOR FIRE-RATED OPENINGS. PROVIDE UL ANCHORS FOR FIRE-RATED OPENINGS, STRAP ANCHORS AT WOOD OR METAL STUDS, AND OTHER TYPES AS INDICATED OR AS APPROVED FOR CONDITIONS OF USE.

20) FRAMES SHALL BE FABRICATED WITH WELDED MITERED CORNERS.

- 21) PROVIDE HOLLOW METAL WORK AS MANUFACTURED BY ONE OF THE FOLLOWING:
 - A. OVERLY MFG CO. B. ALLIED STEEL PRODUCTS
 - C. TEX-STEEL CORPORATION
 - D. AMERICAN STEEL E. PRODUCTS CORP.
 - F. TRUSSBILT G. AMERICAN WELDING AND MFG.CO H. GATEWAY METAL PRODUCTS

081400 - WOOD DOORS

- 1) QUALITY SHALL COMPLY WITH THE FOLLOWING STANDARDS:
 - A. NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA) B. ARCHITECTURAL WOODWORK INSTITUTE (AWI)
 - C. SECTION 1300" ARCHITECTURAL FLUSH DOORS, "OF THE FOR GRADE OF DOOR, CORE CONSTRUCTION, FINISH AND OTHER REQUIREMENTS EXCEEDING THOSE OF THE NWMA STANDARD. D. SECTION 1500, "FACTORY FINISHING"

2) WOOD VENEERED DOORS WITH TRANSPARENT FINISH SHALL BE PREFINISHED AT FACTORY. TRANSPARENT FINISH SHALL COMPLY WITH REQUIREMENTS INDICATED FOR GRADE, FINISH SYSTEM, STAINING EFFECT AND SHEEN:

- A. AWI GRADE: PREMIUM B. STAIN: MATCH ARCHITECTS SAMPLE
- C. EFFECT: FILLED FINISH D. SHEEN: 40% OF AS DETERMINED BY APPROVED SAMPLE

3) ALL WOOD DOORS SHALL BE MANUFACTURED TWO INCHES (2") LONGER THAN SHOWN ON DRAWINGS AND/OR SCHEDULES. BOTTOM OF DOOR ONLY WILL BE TRIMMED TO EACH OPENING FOR REQUIRED CLEARANCE.

4) PROVIDE PRODUCTS OF ONE OF THE FOLLOWING MANUFACTURERS, SUBJECT TO COMPLIANCE WITH REQUIREMENTS FOR SOLID CORE DOORS WITH VENEER FACES:

- A. ALGOMA HARDWOODS, INC B. BUELL DOOR COMPANY
- C. EGGERS INDUSTRIES, ARCHITECTURAL DOOR DIVISION
- D. IPIK DOOR COMPANY, INC E. WEYERHAUSER COMPANY

5) PAINT SPECIFICATIONS FOR FINISH REQUIREMENTS FOR OPAQUE AND TRANSPARENT FINISHES.

6) FACES AND EDGES OF DOORS SHALL BE SHOP-SEALED FOR TRANSPARENT FINISH WITH STAIN AND OTHER REQUIRED PRE-TREATMENTS AND FIRST COAT OF FINISH.

7) SUBMIT WRITTEN WARRANTY AGREEMENT IN DOOR MANUFACTURER'S STANDARD FORM, SIGNED BY MANUFACTURER, INSTALLER AND CONTRACTOR, AGREEING TO REPAIR OR REPLACE DEFECTIVE DOORS THAT HAVE WARPED (BOW, CUP OR TWIST) OR THAT SHOW PHOTOGRAPHING OF CORE CONSTRUCTION BELOW FACE, DO NOT CONFORM TO TOLERANCE LIMITATIONS OF NWWDA OR DELAMINATE. THE WARRANTY SHALL BE IN EFFECT FOR LIFETIME OF INSTALLATION AND SHALL COMMENCE UPON SUBSTANTIAL COMPLETION.

8) WOOD DOORS SHALL BE PROTECTED DURING TRANSIT, STORAGE, AND HANDLING TO PREVENT DAMAGE, SOILING, AND DETERIORATION. COMPLY WITH THE "ON-SITE CARE" RECOMMENDATIONS OF NWWDA PAMPHLET, "CARE AND FINISHING OF WOOD DOORS," AND WITH MANUFACTURER'S INSTRUCTIONS.

9) WOOD DOORS SHALL BE CARTOONED AND/OR CRATED TO PROVIDE PROTECTION DURING TRANSIT AND JOB STORAGE. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR PRECAUTIONS REQUIRED FOR FIRE-RATED DOORS TO PREVENT MOISTURE DETERIORATION OF FIRE-RETARDANT SALTS.

10) PROVIDE STANDARD BEVEL OR RADIUS TO EDGES OF DOORS AS REQUIRED BY THE INSTALLATION. IN ACCORDANCE WITH TOLERANCE REQUIREMENTS OF NWWDA INDUSTRY STANDARD I.S.1.

11) DO NOT DELIVER OR INSTALL DOORS UNTIL CONDITIONS FOR TEMPERATURE AND RELATIVE HUMIDITY HAVE BEEN STABILIZED AND WILL BE MAINTAINED IN STORAGE AND INSTALLATION AREAS DURING THE REMAINDER OF CONSTRUCTION PERIOD TO COMPLY WITH THE AWI QUALITY STANDARD SECTION 100-S-3 "MOISTURE CONTENT," APPLICABLE TO THE PROJECT'S GEOGRAPHICAL LOCATION. CONDITION DOORS TO AVERAGE PREVAILING HUMIDITY INSTALLATION AREA PRIOR TO HANGING.

12) INSTALLATION OF WOODS DOORS SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS, WITH REFERENCED INDUSTRY STANDARDS, AND AS INDICATED ON CONTRACT DRAWINGS. THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

087100 - FINISH HARDWARE

1) FINISH HARDWARE SHALL BE PROVIDED FOR ALL DOORS INCLUDING. INCLUDE LOCK CYLINDERS FOR LOCKS FURNISHED IN OTHER SECTIONS WHERE SO SPECIFIED.

2) ALL FINISH HARDWARE SHALL COMPLY WITH LOCAL ACCESSIBILITY AND ADA CODES. ALL LOCKS AND LATCHES SHALL BE LEVER TYPE. HARDWARE FOR FIRE-RATED OPENINGS SHALL COMPLY WITH NFPA NO.80 AND LOCAL BUILDING CODE REQUIREMENTS. PROVIDE ONLY HARDWARE WHICH HAS BEEN TESTED AND LISTED BY UL FOR TYPES AND SIZES OF DOORS REQUIRED AND COMPLIES WITH REQUIREMENTS OF DOOR AND DOOR FRAME LABELS.

3) NO NAMES, DESIGNS, OR LABELS SHALL BE PERMITTED ON THE FOLLOWING ITEMS: FACE OF CYLINDERS, TURNPIECES OR OPERATING TRIM OF LOCK SETS OR LATCH SETS, CASE COVERS OF SURFACE APPLIED CLOSING DEVICES, AND UNDERSIDE OF DOOR

4) WHERE SEVERAL MANUFACTURERS ARE SPECIFIED FOR ONE TYPE OF HARDWARE, USE ONLY THE PRODUCTS OF ONE

- 5) ACCEPTABLE HARDWARE MANUFACTURERS, REFER TO HARDWARE SCHEDULE FOR EXACT INFORMATION: A. STANLEY B. SARGENT
- C. GLYNN- JOHNSON D. REESE
- E. MCKINNEY F. RIXON G. IVES
- H. ZERO I. HAGER
- J. CORBIN/RUSSWIN K. MODRICK L. NATIONAL GUARD
- M. LCN N. LAWRENCE O. CHECKMATE ABH
- P. QUALITY Q. SCHLAGE
- R. DORMA S. ROCKWOOD T. PEMKO

6) FASTENINGS FOR INSTALLATION SHALL BE FURNISHED WITH EACH HARDWARE ITEM. PROVIDE PHILLIPS FLAT-HEAD COUNTERSUNK SCREWS. ANY EXPOSED (EXPOSED UNDER ANY CONDITION) SCREWS SHALL MATCH HARDWARE FINISH OR, IF EXPOSED IN SURFACES OF OTHER WORK, SHALL MATCH FINISH OF SUCH OTHER WORK AS CLOSELY AS POSSIBLE. PROVIDE SEX NUTS AND BOLTS FOR ALL DOOR CLOSERS, EXIT DEVICES, AND DOOR HOLDERS ON METAL DOORS AND FIRE-RATED WOOD DOORS.

7) CONCEALED FASTENERS SHALL BE PROVIDED FOR HARDWARE UNITS. DO NOT USE THRU-BOLTS FOR INSTALLATION WHERE BOLT HEAD OR NUT ON OPPOSITE FACE IS EXPOSED IN OTHER WORK.

8) ALL CLOSERS SHALL BE FULLY ADJUSTABLE TYPE WITH COMPLETE SPRING POWER ADJUSTMENT, FIELD ADJUSTABLE ACCORDING TO DOOR SIZE AND FREQUENCY OF USE. ALLOW FULL 180 DEGREE OPENING OF DOORS UNLESS RESTRICTED BY WALLS. FURNISH FLUSH MOUNT TRANSOM BRACKET WHERE NO TRANSOM BAR EXISTS. WHERE CLOSERS ARE INDICATED TO BE DELAYED ACTION, PROVIDE UNITS DESIGNED WITH AN ADJUSTABLE DELAY THAT HOLDS THE DOOR OPEN BEFORE THE CLOSING CYCLE BEGINS.

9) ALL CLOSERS ON DOORS ACCESSIBLE TO THE PHYSICALLY HANDICAPPED SHALL COMPLY WITH STATE AND FEDERAL (ADA) STANDARDS AND ANSI A117.1 FOR DOOR OPENING FORCE AND DELAYED ACTION CLOSING.

10) ALL FIRE-RATED DOORS SHALL RECEIVE A CLOSER.

11) PROVIDE PARALLEL ARMS FOR ALL OVERHEAD CLOSERS, UNLESS OTHERWISE NOTED.

12) EXCEPT FIRE-RATED DOORS, EXIT DEVICES SHALL BE EQUIPPED WITH KEYED DOGGING DEVICE TO HOLD THE PUSH BAR DOWN AND THE LATCHBOLT IN A RETRACTED POSITION. WHEN FUNCTION OF EXIT DEVICE REQUIRES CYLINDER, PROVIDE TYPE OF CYLINDER (RIM OR MORTISE) REQUIRED AND KEYED AS PER INSTRUCTIONS. LEVER DESIGN SHALL MATCH LOCKS.

13) WHERE EXIT DEVICES ARE REQUIRED ON FIRE-RATED LABEL DOORS, DEVICES SHALL BE PROVIDED WITH UL LABEL INDICATING "FIRE EXIT HARDWARE." FOR DOORS WITHOUT FIRE RATING. PROVIDE DEVICES LISTED FOR "PANIC HARDWARE." WHETHER SPECIFIED IN HARDWARE SETS OR NOT, ALL FIRE EXIT DEVICES SHALL CARRY A UL FIRE RATED LABEL AT FIRE DOORS AND BE IN COMPLIANCE WITH NFPA STANDARD NO. 80.

14) MATCHING FINISHES SHALL BE PROVIDED FOR HARDWARE UNITS AT EACH DOOR OR OPENING. MATCH ITEMS TO THE MANUFACTURER'S STANDARD FINISH FOR THE LATCH AND LOCKSET. REDUCE VARIANCE IN HUE & COLOR OF EACH FINISH. TYPE OF FINISH FOR EACH HARDWARE IS INDICATED IN THE HARDWARE SCHEDULE.

15) PROVIDE NUMBER OF HINGES INDICATED, BUT NOT LESS THAN THREE (3) HINGES PER DOOR LEAF FOR DOORS 90" OR LESS IN HEIGHT. PROVIDE ONE ADDITIONAL HINGE FOR EACH 30" OF ADDITIONAL HEIGHT OR SHOWN ON SCHEDULE. ALL DOORS WITH CLOSERS SHALL HAVE BEARING HINGES.

16) HINGE PINS SHALL BE PROVIDED AS FOLLOWS, UNLESS OTHERWISE INDICATED:

- A. STEEL HINGES
- B. NON-FERROUS HINGES
- C. OUT-SWING CORRIDOR DOORS
- D. INTERIOR DOORS E. STEEL PINS
- F. STAINLESS STEEL PINS

G. NON-REMOVABLE PINS H. NON-RISING PINS 17) MANUAL OR AUTOMATIC FLUSH BOLT COORDINATORS AND MOUNTING BRACKETS SHALL BE PROVIDED WHERE LISTED IN

LABEL. PROVIDED MINIMUM 1/2 "DIAMETER RODS OR BRASS, BRONZE, OR STAINLESS STEEL, WITH MINIMUM 3/4" THROW. PROVIDE DUSTPROOF STRIKE AT ALL LOCATIONS EXCEPT WHERE THRESHOLDS ARE SHOWN. 18) ALL FINISH HARDWARE TO BE INSTALLED ON OR IN METAL DOORS AND/OR FRAMES SHALL BE MANUFACTURED TO TEMPLATE. TEMPLATE MACHINE SCREWS SHALL BE FURNISHED FOR ALL SUCH MATERIALS. THIS SUPPLIER SHALL FURNISH HARDWARE SCHEDULE

HARDWARE SETS. THEY SHALL BE THE PRODUCT OF ONE MANUFACTURER. ALL BOLTS FOR FIRE-RATED DOORS SHALL HAVE UL

AS APPROVED BY THE ARCHITECT AND ALL NECESSARY TEMPLATE TRANSMITTALS TO METAL FRAME FABRICATORS OR OTHER SUPPLIERS REQUIRING SAME, FOR THEIR COORDINATION AND USE. 19) SUBMIT MANUFACTURER'S TECHNICAL PRODUCT DATA FOR EACH ITEM OF HARDWARE. INCLUDE INFORMATION DEMONSTRATING

COMPLIANCE WITH REQUIREMENTS AND INSTRUCTIONS FOR INSTALLATION AND FOR MAINTENANCE OF OPERATING PARTS AND 20) COORDINATE HARDWARE WITH DOORS, FRAMES, AND RELATED WORK TO ENSURE PROPER SIZE, THICKNESS, HAND, FUNCTION

AND FINISH OF HARDWARE. ORGANIZE HARDWARE SCHEDULE INTO "HARDWARE SETS" INDICATING COMPLETE DESIGNATIONS OF EVERY ITEM REQUIRED FOR EACH DOOR OR OPENING. INCLUDE THE FOLLOWING INFORMATION: TYPE, STYLE, FUNCTION, SIZE, FINISH, NAME AND MANUFACTURER INFORMATION OF EACH ITEM

21) KEYING SYSTEM SHALL BE REVIEWED WITH OWNER AND BASE BUILDING OWNER, PROVIDE THE TYPE REQUIRED (MASTER, GRANDMASTER, OR GREAT-GRANDMASTER), EITHER NEW OR INTEGRATED WITH BASE BUILDING OWNER'S EXISTING SYSTEM. 22) EACH HARDWARE ITEM SHALL BE INSTALLED IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND

23) WHEREVER CUTTING AND FITTING IS REQUIRED TO INSTALL HARDWARE ONTO OR INTO SURFACES WHICH ARE LATER TO BE PAINTED OR FINISHED IN ANOTHER WAY, COORDINATE REMOVAL, STORAGE AND REINSTALLATION OF SURFACE PROTECTIONS WITH FINISHING WORK SPECIFIED IN PAINTING SPECIFICATIONS. SURFACE-MOUNTED ITEMS SHALL NOT BE INSTALLED UNTIL FINISHES HAVE BEEN COMPLETED ON THE SUBSTRATE.

24) SET UNITS LEVEL, PLUMB, AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE THE ATTACHMENT SUBSTRATE AS NECESSARY FOR PROPER INSTALLATION AND OPERATION.

25) ADJUST AND CHECK EACH OPERATING ITEM OF HARDWARE AND EACH DOOR TO ENSURE PROPER OPERATION AND FUNCTION OF EVERY UNIT. REPLACE UNITS WHICH CANNOT BE ADJUSTED TO OPERATE FREELY AND SMOOTHLY AS INTENDED FOR THE APPLICATION MADE.

088000 - GLAZING

<u>PART 1 GENERAL</u>

RELATED DOCUMENTS: DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATIONS SECTIONS, APPLY TO THIS SECTION.

THIS SECTION INCLUDES GLAZING FOR THE FOLLOWING PRODUCTS, INCLUDING THOSE SPECIFIED IN OTHER SECTIONS WHERE GLAZING REQUIREMENTS ARE SPECIFIED BY REFERENCE TO THIS SECTION: VISION LITES, ENTRANCES AND OTHER DOORS, STOREFRONT CONSTRUCTION.

1) SUBMITTALS: SUBMIT THE FOLLOWING ACCORDING TO CONDITIONS OF CONTRACT AND SPECIFICATION SECTIONS. 2) PRODUCT DATA FOR EACH GLASS PRODUCT AND GLAZING MATERIAL INDICATED.

3) SAMPLES FOR VERIFICATION PURPOSES OF 12 INCH SQUARE SAMPLES OF EACH TYPE OF GLASS INDICATED EXCEPT FOR CLEAR MONOLITHIC GLASS PRODUCTS, AND 12 INCH LONG SAMPLES OF EACH COLOR REQUIRED (EXCEPT BLACK) FOR EACH TYPE OF SEALANT OR GASKET EXPOSED TO VIEW. INSTALL SEALANT OR GASKET SAMPLE BETWEEN TWO STRIPS OF MATERIAL REPRESENTATIVE IN COLOR OF THE ADJOINING FRAMING SYSTEM.

4) COMPATIBILITY AND ADHESION TEST REPORTS FROM SEALANT MANUFACTURER INDICATING THAT GLAZING MATERIALS WHERE TESTED FOR COMPATIBILITY AND ADHESION WITH GLAZING SEALANTS. INCLUDE SEALANT MANUFACTURER'S INTERPRETATION OF TEST RESULTS RELATIVE TO SEALANT PERFORMANCE AND RECOMMENDATIONS FOR PRIMERS AND SUBSTRATE PREPARATION NEEDED FOR ADHESION.

5) QUALITY ASSURANCE: GLAZING PUBLICATIONS COMPLY WITH PUBLISHED RECOMMENDATIONS OF GLASS PRODUCT MANUFACTURERS AND ORGANIZATIONS BELOW, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED. REFER TO THESE PUBLICATIONS FOR GLAZING TERMS NOT OTHERWISE DEFINED IN THIS SECTION OR IN REFERENCED STANDARDS.

6) FGMA PUBLICATIONS "FGMA GLAZING MANUAL" SAFETY GLASS: PRODUCTS COMPLYING WITH ANSI Z97.1 AND TESTING REQUIREMENTS OF 16 CFR PART 1201 FOR CATEGORY II

7) GLAZIER QUALIFICATIONS: ENGAGE AN EXPERIENCED GLAZIER WHO HAS COMPLETED GLAZING SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THAT INDICATED FOR PROJECT WITH A RECORD OF SUCCESSFUL IN SERVICE PERFORMANCE. 8) SINGLE SOURCE RESPONSIBILITY FOR GLASS: OBTAIN GLASS FROM ONE SOURCE FOR EACH PRODUCT INDICATED BELOW:

9) HEAT TREATED GLASS OF EACH (ASTM C 1048) CONDITION INDICATED.

PRIMARY GLASS OF EACH (ASTM C 1036) TYPE AND CLASS INDICATED.

10) DELIVERY, STORAGE, AND HANDLING: PROTECT GLAZING MATERIALS TO COMPLY WITH MANUFACTURER'S DIRECTIONS AND AS NEEDED TO PREVENT DAMAGE TO GLASS AND GLAZING MATERIALS FROM CONDENSATION, TEMPERATURE CHANGES, DIRECT EXPOSURE TO SUN, OR OTHER CAUSES.

11) PROJECT CONDITIONS ENVIRONMENTAL CONDITIONS: DO NOT PROCEED WITH GLAZING WHEN AMBIENT AND SUBSTRATE TEMPERATURE CONDITIONS ARE OUTSIDE THE LIMITS PERMITTED BY GLAZING MATERIALS MANUFACTURER OR WHEN GLAZING CHANNEL SUBSTRATES ARE WET FROM RAIN, FROST, CONDENSATION, OR OTHER CAUSES.

PART 2 PRODUCTS

AVAILABLE PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATE IN THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE PRODUCTS SPECIFIED IN PRODUCT DATA SHEETS AT END OF THIS SECTION.

13) UNCOATED, CLEAR, HEAT TREATED FLOAT GLASS: ASTM C 1048, CONDITION A (UNCOATED SURFACES), TYPE I (TRANSPARENT GLASS, FLAT), CLASS 1 (CLEAR), QUALITY Q3 (GLAZING SELECT), KIND AS INDICATED BELOW.

14) KIND HS (HEAT STRENGTHENED) WHERE INDICATED.

15) AVAIILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS. MANUFACTURERS OFFERING HEAT TREATED GLASS PRODUCTS THAT MAY BE INCORPORATED IN THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING

16) GLASS SHALL BE 1/4" TEMPERED U.N.O

17) MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE HEAT TREATED GLASS BY ONE OF THE FOLLOWING COMPANIES.

- A. AFG INDUSTRIES, INC. B. ARTISTIC GLASS PRODUCTS CO
- C. CARDINAL IG. D. SAINT GOBAIN
- E. FALCONER GLASS INDUSTRIES
- F. GLASSTEMP. INC. G. GUARDIAN INDUSTRIES CORP
- H. HGP INDUSTRIES I. PPG INDUSTRIES, INC
- J. SPECTRUM GLASS PRODUCTS, INC. K. TEMPGLASS

L. VIRACON, INC.

18) ELASTOMERIC GLAZING SEALANTS: PROVIDE PRODUCTS OF TYPE INDICATED, COMPLYING WITH THE FOLLOWING

REQUIREMENTS: A. COMPATIBILITY: SELECT GLAZING SEALANTS AND TAPES OF PROVEN COMPATIBILITY WITH OTHER MATERIALS THEY WILL CONTACT, INCLUDING GLASS PRODUCTS, SEALS OF INSULATING GLASS UNITS, AND GLAZING CHANNEL SUBSTRATES, UNDER CONDITIONS OF INSTALLATION AND SERVICE, AS DEMONSTRATED BY TESTING AND FIELD EXPERIENCE. B. SUITABILITY: COMPLY WITH SEALANT AND GLASS MANUFACTURER'S RECOMMENDATIONS FOR SELECTING GLAZING SEALANTS AND TAPES THAT ARE SUITABLE FOR APPLICATIONS INDICATED AND CONDITIONS EXISTING AT TIME OF INSTALLATION. COLORS: PROVIDE SELECTIONS MADE BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS FOR

PRODUCTS OF TYPE INDICATED. C. ELASTOMERIC GLAZING SEALANT STANDARD: PROVIDE MANUFACTURER'S STANDARD CHEMICALLY CURING, ELASTOMERIC SEALANTS OF BASE POLYMER INDICATED THAT COMPLY WITH ASTM C 920 REQUIREMENTS INDICATED ON EACH ELASTOMERIC GLAZING SEALANT PRODUCT DATA SHEET AT THE END OF THIS SECTION, INCLUDING THOSE REFERENCING ASTM CLASSIFICATIONS FOR TYPE, CLASS AND USES.

19) GLAZING CASKETS

A. LOCK STRIP CASKETS: NEOPRENE EXTRUSIONS IN SIZE AND SHAPE INDICATED, FABRICATED INTO FRAMES WITH MOLDED CORNER UNITS AND ZIPPER LOCK STRIPS, COMPLYING WITH ASTM C542, BLACK. B. SOFT COMPRESSION GASKETS: EXTRUDED OR MOLDED CLOSED CELL, INTEGRAL SKINNED GASKETS OF MATERIAL INDICATED BELOW, COMPLYING WITH ASTM C 509, TYPE II, BLACK, AND OF PROFILE AND HARDNESS REQUIRED TO MAINTAIN WATERTIGHT SEAL.

20) AVAILABLE MANUFACTURER'S: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED IN THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING COMPANIES. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING

A. LOCK STRIP GASKETS: i) STANLOCK DIV., GRIFFITH RUBBER MILLS

BELOW WHERE NOTE NEEDED IN GLAZING CHANNELS.

CONTRIBUTE TO PRODUCE OPTIMUM SEALANT PERFORMANCE.

B. REFORMED GASKETS: ADVANCED ELASTOMER SYSTEMS, L.P.

ii) SCHNEE MOREHEAD, INC.

- 21) MISCELLANEOUS GLAZING MATERIALS: PROVIDE PRODUCTS OF MATERIAL, SIZE AND SHAPE COMPLYING WITH REFERENCED GLAZING STANDARD, REQUIREMENTS OF MANUFACTURERS OF GLASS AND OTHER GLAZING MATERIALS INVOLVED FOR GLAZING APPLICATION INDICATED, AND WITH A PROVEN RECORD OF COMPATIBILITY WITH SURFACES CONTACTED IN
- 22) CLEANERS, PRIMERS AND SEALERS: TYPE RECOMMENDED BY SEALANT ORE GASKET MANUFACTURER.
- 23) SETTING BLOCKS: ELASTOMERIC MATERIAL WITH A SHORE A DUROMETER HARDNESS OF 85 PLUS OR MINUS 5.
- 24) SPACERS: ELASTOMERIC BLOCKS OR CONTINUOUS EXTRUSIONS WITH A SHORE A DUROMETER HARDNESS REQUIRED BY GLASS MANUFACTURER TO MAINTAIN GLASS LITES IN PLACE FOR INSTALLATION

26) PLASTIC FOAM JOINT FILLERS: PREFORMED, COMPRESSIBLE, RESILIENT, NON-STAINING, NON-EXTRUDING, NON-OUTGASSING. STRIPS OF CLOSED CELL PLASTIC FOAM OF DENSITY, SIZE, AND SHAPE TO CONTROL SEALANT DEPTH AND OTHERWISE

25) EDGE BLOCKS: ELASTOMERIC MATERIAL OF HARDNESS NEEDED TO LIMIT GLASS LATERAL MOVEMENT (SIDE WALKING). DELETE

27) PERIMETER INSULATION FOR FIRE RESISTIVE GLAZING: IDENTICAL TO PRODUCT USED IN TEST ASSEMBLY TO OBTAIN FIRE RESISTIVE RATING. 28) FABRICATION OF GLASS AND OTHER GLAZING PRODUCTS: FABRICATE GLASS AND OTHER GLAZING PRODUCTS IN SIZES REQUIRED TO GLAZE OPENINGS INDICATED FOR PROJECT, WITH EDGE AND FACE CLEARANCES, EDGE AND SURFACE

CONDITIONS, AND BITE COMPLYING WITH RECOMMENDATIONS OF PRODUCT MANUFACTURER AND REFERENCED GLAZING

PART 3 EXECUTION

INSTALLATION.

EXAMINE GLASS FRAMING, WITH GLAZIER PRESENT, FOR COMPLIANCE WITH THE FOLLOWING: A. MANUFACTURING AND INSTALLATION TOLERANCES, INCLUDING THOSE FOR SIZE, SQUARE-NESS, OFFSETS AT CORNERS.

B PRESENCE AND FUNCTIONING OF WEEP SYSTEM C. MINIMUM REQUIRED FACE OR EDGE CLEARANCES D. EFFECTIVE SEALING BETWEEN JOINTS OF GLASS FRAMING MEMBERS.

STANDARD AS REQUIRED TO COMPLY WITH SYSTEM PERFORMANCE REQUIREMENTS.

30) PREPARATION: CLEAN GLAZING CHANNELS AND OTHER FRAMING MEMBERS RECEIVING GLASS IMMEDIATELY BEFORE GLAZING. REMOVE COATINGS THAT ARE NOT FIRMLY BONDED TO SUBSTRATES.

E. DO NOT PROCEED WITH GLAZING_UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

31) GLAZING, GENERAL COMPLY WITH COMBINED RECOMMENDATIONS OF MANUFACTURERS OF GLASS, SEALANTS, GASKETS, AND OTHER GLAZING MATERIALS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED, INCLUDING THOSE IN REFERENCED GLAZING

CLEARANCES, AND ADEQUATE SEALANT THICKNESSES, WITH REASONABLE TOLERANCES. ADJUST REQUIRED BY PROJECT

32) GLAZING CHANNEL DIMENSIONS AS INDICATED ON DRAWINGS PROVIDE NECESSARY BITE ON GLASS, MINIMUM EDGE AND FACE

33) PROTECT GLASS FROM EDGE DAMAGE DURING HANDLING AND INSTALLATION AS FOLLOWS:

- USE A ROLLING BLOCK IN ROTATING GLASS UNITS TO PREVENT DAMAGE TO GLASS CORNERS. DO NOT IMPACT GLASS WITH METAL FRAMING. USE SUCTION CUPS TO SHIFT GLASS UNITS WITHIN OPENINGS; DO NOT RAISE OR DRIFT GLASS WITH A PRY BAR. ROTATE GLASS LITES WITH FLARES OR BEVELS ON BOTTOM HORIZONTAL EDGES SO EDGES ARE LOCATED AT TOP OF OPENING, UNLESS OTHERWISE INDICATED BY
- MANUFACTURER'S LABEL. REMOVE DAMAGED GLASS FROM PROJECT SITE AND LEGALLY DISPOSE OFF-SITE. DAMAGED GLASS IS GLASS WITH EDGE DAMAGE OR OTHER
- IMPERFECTIONS THAT, WHEN INSTALLED, WEAKEN GLASS AND IMPAIR PERFORMANCE AND APPEARANCE. APPLY PRIMERS TO JOINT SURFACES WHERE REQUIRED FOR ADHESION OF SEALANTS, AS DETERMINED BY PRECONSTRUCTION SEALANT
- SUBSTRATE TESTING INSTALL ELASTOMERIC SETTING BLOCKS IN SILL RABBETS, SIZED AND LOCATED TO COMPLY WITH REFERENCED GLAZING STANDARD, UNLESS
- OTHERWISE REQUIRED BY GLASS MANUFACTURER. SET BLOCKS IN THINK COURSE OF COMPATIBLE SEALANT SUITABLE FOR HEEL BEAD. DO NOT EXCEED EDGE PRESSURES STIPULATED BY GLASS MANUFACTURERS FOR INSTALLING GLASS LITES PROVIDE SPACERS FOR GLASS SIZES LARGER THAN 50 UNITED INCHES (LENGTH PLUS HEIGHT) AS FOLLOWS: LOCATES PACERS INSIDE, OUTSIDE, AND DIRECTLY OPPOSITE EACH OTHER. INSTALL CORRECT SIZE AND SPACING TO PRESERVE REQUIRED FACE CLEARANCE, EXCEPT
- COMPLY WITH SYSTEM PERFORMANCE REQUIREMENTS. PROVIDE 1/8 INCH MINIMUM BITE OF SPACERS ON GLASS AND USE THICKNESS EQUAL TO SEALANT WIDTH. WITH GLAZING TAPE, USE

WHERE GASKETS AND GLAZING TAPES ARE USED THAT HAVE DEMONSTRATED ABILITY TO MAINTAIN REQUIRED FACE CLEARANCES AND

- THICKNESS SLIGHTLY LESS THAN FINAL COMPRESSED THICKNESS OF TAPE. PROVIDE EDGE BLOCKING TO COMPLY WITH REQUIREMENTS OF REFERENCED GLAZING PUBLICATIONS, UNLESS OTHERWISE REQUIRED BY GLASS MANUFACTURER.
- WHERE WEDGE SHAPED GASKETS ARE DRIVEN INTO ONE SIDE OF CHANNEL TO PRESSURIZE SEALANT OR GASKET ON OPPOSITE SIDE, PROVIDE ADEQUATE ANCHORAGE SO GASKET CANNOT WALK OUT WHEN INSTALLATION IS SUBJECTED TO MOVEMENT. SQUARE CUT WEDGE SHAPED GASKETS AT CORNERS AND INSTALL GASKETS IN MATTER RECOMMENDED BY GASKET MANUFACTURER TO PREVENT CORNERS FROM PULLING AWAY; SEAL CORNER JOINTS AND BUTT JOINTS WITH SEALANT RECOMMENDED BY GASKET

34) TAPE GLAZING: POSITION TAPES ON FIXED STOPS SO THAT WHEN COMPRESSED BY GLASS THEIR EXPOSED EDGES ARE FLUSH WITH OR PROTRUDE

SET GLASS LITES IN EACH SERIES WITH UNIFORM PATTERN, DRAW, BOW AND SIMILAR CHARACTERISTICS.

- SLIGHTLY ABOVE SIGHTLINE OF STOPS. INSTALL TAPES CONTINUOUSLY BUT NOT IN ONE CONTINUOUS LENGTH. DO NOT STRETCH TAPES TO MAKE THEM FIT OPENING. WHERE FRAMING JOINTS ARE VERTICAL, COVER THESE JOINTS BY APPLYING
- TAPES TO HEADS AND SILLS FIRST AND THEN TO JAMBS. WHERE FRAMING JOINTS ARE HORIZONTAL, COVER THESE JOINTS BY APPLYING TAPES TO JAMBS AND THEN TO HEADS AND SILLS. PLACE JOINTS IN TAPES AT CORNERS OF OPENING WITH ADJOINING LENGTHS BUTTED TOGETHER, NOT LAPPED. SEAL JOINTS IN TAPES WITH
- COMPATIBLE SEALANT APPROVED BY TAPE MANUFACTURER. DO NOT REMOVE RELEASE PAPER FROM TAPE UNTIL JUST BEFORE EACH LITE IS INSTALLED. CENTER GLASS LITES IN OPENINGS ON SETTING BLOCKS AND PRESS FIRMLY AGAINST TAPE BY INSERTING DENSE COMPRESSION GASKETS FORMED AND INSTALLED TO LOCK IN PLACE AGAINST FACES OF REMOVABLE STOPS. START GASKET APPLICATIONS AT CORNERS AND WORK
- 35) CASKET GLAZING (DRY): A. FABRICATE COMPRESSION GASKETS IN LENGTHS RECOMMENDED BY GASKET MANUFACTURER TO FIT OPENINGS EXACTLY, WITH STRETCH ALLOWANCE DURING INSTALLATION.
 - SECURE COMPRESSION GASKETS IN PLACE WITH JOINTS LOCATED AT CORNERS TO COMPRESS GASKETS PRODUCING A WEATHER TIGHT SEAL WITHOUT DEVELOPING BENDING STRESSES IN GLASS. SEAL GASKET JOINTS WITH SEALANT RECOMMENDED BY GASKET MANUFACTURER.

INSTALL GASKETS SO THEY PROTRUDE PAST FACE OF GLAZING STOPS.

TOWARD CENTERS OF OPENINGS.

SEAL AND WEEP SYSTEM UNLESS OTHERWISE INDICATED.

RECOMMENDED BY GLASS MANUFACTURER

MANUFACTURER.

INSTALL CONTINUOUS SPACERS BETWEEN GLASS LITES AND GLAZING STOPS TO MAINTAIN GLASS FACE CLEARANCES AND TO PREVENT SEALANT FROM EXTRUDING INTO GLASS CHANNEL WEEP SYSTEMS UNTIL SEALANTS CURE. SECURE SPACERS IN PLACE AND IN POSITION TO CONTROL DEPTH OF INSTALLED SEALANT RELATIVE TO EDGE CLEARANCE FOR OPTIMUM SEALANT PERFORMANCE. FORCE SEALANTS INTO

GLAZING CHANNELS TO ELIMINATE VOIDS AND TO ENSURE COMPLETE WETTING OR BOND OF SEALANT TO GLASS AND CHANNEL SURFACES.

- TOOL EXPOSED SURFACES OF SEALANTS TO PROVIDE A SUBSTANTIAL WASH AWAY FROM GLASS. INSTALL PRESSURIZED GASKETS TO PROTRUDE SLIGHTLY OUT OF CHANNEL TO ELIMINATE DIRT AND MOISTURE POCKETS. 37) LOCK STRIP GASKET GLAZING: COMPLY WITH ASTM C716 AND GASKET MANUFACTURER'S PRINTED RECOMMENDATIONS. PROVIDE SUPPLEMENTARY WET
- PROTECT EXTERIOR GLASS FROM BREAKAGE IMMEDIATELY AFTER INSTALLATION BY ATTACHING CROSSED STREAMERS TO FRAMING HELD
 - APPLY MARKERS TO GLASS SURFACE. REMOVE NONPERMANENT LABELS, AND CLEAN SURFACES.
- PROTECT GLASS FROM CONTACT WITH CONTAMINATING SUBSTANCES RESULTING FROM CONSTRUCTION OPERATIONS INCLUDING WELD SPLATTER. IF, DESPITE SUCH PROTECTING, CONTAMINATING SUBSTANCES DO COME INTO CONTACT WITH GLASS, REMOVE THEM IMMEDIATELY AS RECOMMENDED BY GLASS MANUFACTURER. EXAMINE GLASS SURFACES ADJACENT TO OR BELOW EXTERIOR CONCRETE AND OTHER MASONRY SURFACES AT FREQUENT INTERVALS
 - ACCIDENTS AND VANDALISM, DURING CONSTRUCTION PERIOD. WASH GLASS ON BOTH FACES IN EACH AREAS OF PROJECT NOT MORE THAN 4 DAYS PRIOR TO DATE SCHEDULED FOR INSPECTIONS THAT ESTABLISH DATE OF SUBSTANTIAL COMPLETION. WASH GLASS AS RECOMMENDED BY GLASS MANUFACTURER.

DURING CONSTRUCTION, BUT NOT LESS THAN ONCE A MONTH, FOR BUILD-UP OF DIRT, SCUM, ALKALI DEPOSITS, OR STAINS, AND REMOVE AS

REMOVE AND REPLACE GLASS THAT IS BROKEN, CHIPPED, CRACKED, ABRADED, OR DAMAGED IN ANY WAY, INCLUDING NATURAL CAUSES,



ARCHITECT & INTERIOR DESIGN ARCX STUDIO

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ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION



KATHERINE CONNER

ARC.1817276, EXP. 12/31/2023

REVISION

DESCRIPTION

ISSUED FOR

PERMIT 06-27-2023

SHEET NAME

ARCHITECTURAL SPECIFICATIONS

SHEET NO.

091000 - GENERAL FINISH NOTES

1) ALL INSTALLATION AND RELATED PRODUCTS TO ACCOMPLISH THE COMPLETE ASSEMBLY OF A PRODUCT OR SYSTEM SHALL BE INCLUDED IN THE CONTRACT PRICING BY THE CONTRACTOR.

2) RETURN UNUSED, UNOPENED MATERIALS TO THE MANUFACTURER OR SUPPLIER FOR CREDIT TO THE OWNER AFTER INSTALLATION HAS BEEN COMPLETED AND ACCEPTED. UNUSED MATERIALS FROM OPEN PACKAGES ARE TO BE TURNED OVER TO THE OWNER AS

3) COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS FOR INSTALLATION FOR ALL PRODUCTS AND MATERIALS USED IN THE PROJECT TO THE EXTENT THAT THOSE INSTRUCTIONS ARE MORE EXPLICIT AND/OR MORE STRINGENT THAN

4) INSPECT MATERIALS OR EQUIPMENT IMMEDIATELY UPON DELIVERY AND AGAIN PRIOR TO INSTALLATION. REJECT DAMAGED AND/OR DEFECTIVE ITEMS

5) PROVIDE APPROPRIATE ATTACHMENT AND CONNECTION DEVICES AND METHODS NECESSARY FOR SECURING THE WORK. SECURE ALL WORK TRUE TO LINE AND LEVEL. ALLOW FOR BUILDING EXPANSION AND BUILDING MOVEMENT.

6) PROVIDE UNIFORM JOINT WIDTHS IN EXPOSED WORK. ARRANGE JOINTS IN EXPOSED WORK TO OBTAIN THE BEST VISUAL EFFECT. RECHECK MEASUREMENTS AND DIMENSIONS BEFORE STARTING EACH INSTALLATION.

7) THE CONTRACTOR SHALL ENSURE THAT NO PART OF THE CONSTRUCTION, COMPLETED OR IN PROGRESS IS SUBJECT TO HARMFUL, DANGEROUS, OR DAMAGING EXPOSURE DURING THE CONSTRUCTION PERIOD. SUCH EXPOSURE INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: EXCESSIVE HIGH OR LOW TEMPERATURES, EXCESSIVE HIGH OR LOW HUMIDITY, WATER ABRASION, LIGHT, STAINING, UNPROTECTED STORAGE, THEFT, FIRE OR VANDALISM.

8) SUBMIT FULL SIZE AND FULLY FABRICATED SAMPLES, CURED AND FINISHED AS SPECIFIED WITH THE MATERIAL OR PRODUCT SPECIFIED. SAMPLES INCLUDE PARTIAL SECTIONS OR MANUFACTURED OR FABRICATED COMPONENTS, CUTS OF MATERIALS, COLOR RANGE SETS AND SWATCHES SHOWING COLOR TEXTURE AND PATTERN.

9) WHERE VARIATION IN COLOR PATTERN AND TEXTURE OR OTHER CHARACTERISTICS ARE INHERENT IN THE MATERIAL, SUBMIT MULTIPLE UNITS (NOT LESS THAN 3) TO EXHIBIT THE FULL RANGE OF VARIATION.

10) PROVIDE ALL MANUFACTURER'S STANDARD WARRANTIES FOR THE VARIOUS SPECIFIED MATERIALS TO THE OWNER. IF WORK COVERED BY A WARRANTY HAS FAILED AND BEEN CORRECTED BY REPLACEMENT, REINSTATE THE WARRANTY BY WRITTEN ENDORSEMENT.

11) THE CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION COVERING DEFECTS ARISING FROM BOTH MATERIALS AND WORKMANSHIP FOR WORK PERFORMED BY THE CONTRACTOR AND HIS SUBCONTRACTORS.

12) SUBMIT TO THE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION, THREE 8 ½" X 11" SAMPLES OF ALL FINISHES FROM ACTUAL DYE LOTS TO BE USED. APPLY FINISH SAMPLES TO SAME SUBSTRATA AS WILL OCCUR IN THE PROJECT. SUBMIT SEAMING DIAGRAMS AS APPLICABLE.

13) VERIFY FINISHES WITH THE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION.

14) FINISH MATERIAL SUBSTRATA SHALL BE FREE OF IMPERFECTIONS AND MARKINGS SUBJECT TO BLEED-THROUGH.

15) REPAIR, REFINISH AND PREPARE AS APPLICABLE, EXISTING SURFACES TO RECEIVE NEW OR EXISTING MATERIALS. THIS INCLUDES, BUT IS NOT LIMITED TO FLOORING, DOORS AND FRAMES, BASE BUILDING PARTITIONS, FLOOR SLABS, CEILINGS, ETC. AS REQUIRED, UNLESS NOTED OTHERWISE.

092900 - GYPSUM WALL BOARD

1) GYPSUM WALL BOARD AND STEEL FRAMING INSTALLATION, APPLICATION AND FINISHING SHALL COMPLY WITH ASTM C754 AND ASTM C840 STANDARDS AND SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UNITED STATES GYPSUM CONSTRUCTION HANDBOOK.

2) MATERIALS AND INSTALLATION SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF GA-216 "APPLICATION AND FINISHING OF GYPSUM BOARD" BY THE GYPSUM ASSOCIATION, EXCEPT WHERE MORE DETAILED OR MORE STRINGENT REQUIREMENTS ARE INDICATED. INCLUDING THE RECOMMENDATIONS OF THE MANUFACTURER.

3) WHERE WORK IS INDICATED FOR FIRE-RESISTANCE RATINGS, INCLUDING THOSE REQUIRED TO COMPLY WITH GOVERNING REGULATIONS, PROVIDE MATERIALS AND INSTALLATIONS IDENTICAL WITH APPLICABLE ASSEMBLIES WHICH HAVE BEEN TESTED AND LISTED BY RECOGNIZED AUTHORITIES, INCLUDING UL, GYPSUM ASSOCIATION, AIA AND OTHER TESTING AGENCIES ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

4) ESTABLISH AND MAINTAIN ENVIRONMENTAL CONDITIONS FOR APPLICATION AND FINISHING GYPSUM BOARD TO COMPLY WITH ASTM C840 AND WITH GYPSUM BOARD MANUFACTURER'S RECOMMENDATIONS.

5) STEEL STUDS AND JOISTS SHALL COMPLY WITH ASTM C645, WITH FLANGE EDGES OF STUDS BENT BACK 90 DEGREES AND DOUBLED OVER TO FORM 3/16" MINIMUM LIP (RETURN) AND COMPLYING WITH THE FOLLOWING REQUIREMENTS FOR MINIMUM THICKNESS OF 6) BASE (UNCOATED) METAL AND FOR DEPTH:

A. THICKNESS: 20 GAUGE (U.N.O.)

B. STUD DEPTH: 3-5/8" @ 16" O.C., (U.N.O.)

C. FRAMING: GAI VANIZED

UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

MINIMUM OF 6" ABOVE FINISHED CEILING ELEVATION.

7) FASTENERS SHALL BE PROVIDED OF TYPE, MATERIAL, SIZE, CORROSION RESISTANCE, HOLDING POWER, AND OTHER PROPERTIES REQUIRED TO FASTEN STEEL FRAMING AND FURRING MEMBERS SECURELY TO SUBSTRATES INVOLVED. FASTENERS SHALL COMPLY WITH RECOMMENDATIONS OF GYPSUM DRYWALL MANUFACTURERS FOR APPLICATIONS INDICATED.

8) GYPSUM BOARD SHALL BE PROVIDED IN ACCORDANCE WITH ASTM C36 OF TYPES INDICATED IN MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END JOINTS. GYPSUM BOARD SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS.

9) THICKNESS: 5/8" THICK, UNLESS OTHERWISE NOTED

A. TYPE: REGULAR OR TYPE X FOR FIRE-RESISTANCE RATED ASSEMBLIES

10) GYPSUM FINISH LEVEL SHALL BE MINIMUM LEVEL 4. ON WALLS RECEIVING GRAPHICS; VINYL OR OTHERWISE, SHALL BE MINIMUM

11) INSTALL MOISTURE-RESISTANT GYPSUM WALL BOARD PANELS IN AREAS EXPOSED TO MOISTURE.

12) TRIM ACCESSORIES, INCLUDING CORNER BEADS, EDGE TRIM, AND CONTROL JOINTS SHALL COMPLY WITH ASTM C1047 AND BE PROVIDED AS NECESSARY. MUD, BLEND, AND SAND SMOOTH INTO ADJACENT SURFACES.

13) WALLBOARD JOINT TREATMENT MATERIALS SHALL BE PROVIDED AND COMPLY WITH ASTM C475, ASTM C840, AND RECOMMENDATIONS OF MANUFACTURERS OF BOTH GYPSUM BOARD AND JOINT TREATMENT MATERIALS.

14) AUXILIARY MATERIALS FOR GYPSUM DRYWALL CONSTRUCTION SHALL COMPLY WITH REFERENCED STANDARDS AND THE

RECOMMENDATIONS OF THE MANUFACTURER OF THE GYPSUM BOARD.

15) PARTITIONS ARE DIMENSIONED FINISH FACE TO FINISH FACE UNLESS NOTED OTHERWISE. DIMENSIONS NOTED 'CLEAR' (CLR) ARE

NOT ADJUSTABLE WITHOUT THE APPROVAL OF THE ARCHITECT.

16) ALL PARTITIONS SHOWN ABUTTING INTO EXISTING WALLS SHALL ALIGN WITH FACE OF FINISHED SURFACES UNLESS NOTED

17) SUBMIT MANUFACTURER'S PRODUCT SPECIFICATIONS FOR EACH TYPE OF GYPSUM BOARD, STEEL FRAME, AND TRIM ACCESSORY

INDICATED.

18) EXAMINE SUBSTRATE TO WHICH DRYWALL CONSTRUCTION ATTACHES OR ABUTS. PRESET HOLLOW METAL FRAMES, CAST-IN-ANCHORS, AND STRUCTURAL FRAMING SHALL BE IN COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF DRYWALL CONSTRUCTION. DO NOT PROCEED WITH INSTALLATION UNTIL

19) STORE MATERIALS INSIDE UNDER COVER AND KEEP THEM DRY AND PROTECTED AGAINST DAMAGE FROM WEATHER, DIRECT SUNLIGHT, SURFACE CONTAMINATION, CORROSION, CONSTRUCTION TRAFFIC, AND OTHER CAUSES. GYPSUM BOARD SHALL BE STACKED NEATLY AND FLAT TO PREVENT SAGGING.

20) HANDLE GYPSUM BOARDS TO PREVENT DAMAGE TO EDGES, ENDS, AND SURFACES. DO NOT BEND OR OTHERWISE DAMAGE METAL CORNER BEADS AND TRIM.

21) BUILDING SPACES SHALL BE VENTILATED TO REMOVE WATER NOT REQUIRED FOR DRYING JOINT TREATMENT MATERIALS. AVOID DRAFTS DURING DRY, HOT WEATHER TO PREVENT MATERIALS FROM DRYING TOO RAPIDLY.

22) COORDINATE INSTALLATION OF CEILING SUSPENSION SYSTEM WITH INSTALLATION OF OVERHEAD STRUCTURAL SYSTEMS TO

ENSURE THAT INSERTS AND OTHER STRUCTURAL ANCHORAGE PROVISIONS HAVE BEEN INSTALLED TO RECEIVE CEILING ANCHORS IN A MANNER THAT WILL DEVELOP THEIR FULL STRENGTH AND AT SPACING REQUIRED TO SUPPORT CEILING.

23) VERIFY PARTITION THICKNESS FOR INTERNAL INCLUSIONS SUCH AS PLUMBING, TOILET ACCESSORIES, PANEL BOXES, ETC. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE SCHEDULED PARTITION AND ANY INTERNAL INCLUSIONS.

24) STEEL FRAMING INSTALLATION SHALL COMPLY WITH ASTM C754 AND ASTM C840 REQUIREMENTS THAT APPLY TO FRAMING INSTALLATION.25) SUPPLEMENTARY FRAMING, BLOCKING AND BRACING SHALL BE INSTALLED AT TERMINATIONS IN THE WORK AND FOR SUPPORT OF

FIXTURES, EQUIPMENT SERVICES, HEAVY TRIM, GRAB BARS, TOILET ACCESSORIES, FURNISHINGS, AND SIMILAR CONSTRUCTION TO COMPLY WITH DETAILS INDICATED AND WITH RECOMMENDATIONS OF GYPSUM BOARD MANUFACTURER, OR IF NONE AVAILABLE, WITH "GYPSUM CONSTRUCTION HANDBOOK" PUBLISHED BY UNITED STATES GYPSUM CO.

26) DO NOT BRIDGE BUILDING EXPANSION AND CONTROL JOINTS WITH STEEL FRAMING OR FURRING MEMBERS. BOTH SIDES OF JOINTS SHALL BE FRAMED OR FURRED INDEPENDENTLY AS INDICATED.

27) HANGERS SHALL BE SECURED TO STRUCTURAL SUPPORT BY CONNECTING DIRECTLY TO STRUCTURE WHERE POSSIBLE. OTHERWISE, HANGERS SHALL CONNECT TO CAST-IN-CONCRETE INSERTS OR OTHER ANCHORAGE DEVICES OR FASTENERS AS INDICATED. DO NOT ATTACH HANGERS TO METAL DECK TABS TO METAL ROOF DECK.

28) DO NOT CONNECT OR SUSPEND STEEL FRAMING TO DUCTS, PIPES, OR CONDUIT. HANGERS AND BRACES SHALL BE AT LEAST 2" CLEAR OF DUCTS, PIPES OR CONDUIT.

29) RUNNERS (TRACKS) SHALL BE INSTALLED AT FLOORS, CEILINGS, AND STRUCTURAL WALLS AND COLUMNS WHERE GYPSUM DRYWALL STUD SYSTEM ABUTS OTHER CONSTRUCTION.

30) EXTEND PARTITION FRAMING FULL HEIGHT TO STRUCTURAL SUPPORTS OR SUBSTRATES ABOVE SUSPENDED CEILINGS, EXCEPT WHERE PARTITIONS ARE INDICATED TO TERMINATE AT SUSPENDED CEILINGS. CONTINUE FRAMING ABOVE ALL OPENINGS AND WALL PENETRATIONS MIN. 6" ABOVE CEILING TO PROVIDE PROPER FRAMING FOR GYPSUM BOARD INSTALLATION.

31) AT DOORS AND SIMILAR OPENINGS, DO NOT CONTINUE DRYWALL JOINT ABOVE THE JAMB. OFFSET DRYWALL JOINT TO CENTER OF OPENING WHERE POSSIBLE.

32) WHERE FEASIBLE, USE THE SAME FASTENERS TO ANCHOR TRIM ACCESSORY FLANGES AS REQUIRED TO FASTEN GYPSUM BOARD TO THE SUPPORTS. OTHERWISE FASTEN FLANGES TO COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.

33) COVER BOTH FACES OF STEEL STUD PARTITION FRAMING WITH GYPSUM BOARD IN CONCEALED SPACES (ABOVE CEILINGS, ETC.) A

34) SOUND ATTENUATION BLANKETS FILL ENTIRE WALL CAVITY AND BE INSTALLED AND INSPECTED PRIOR TO GYPSUM BOARD WHERE

35) JOINT TREATMENT SHALL BE APPLIED AT GYPSUM BOARD JOINTS (BOTH DIRECTIONS); FLANGES OF CORNER BEAD, EDGE TRIM, CONTROL JOINTS, PENETRATIONS, FASTENER HEADS, SURFACE DEFECTS AND ELSEWHERE AS REQUIRED TO PREPARE WORK FOR DECORATION.

36) FILL OPEN JOINTS BY USING SETTING TYPE JOINT COMPOUND. APPLY JOINT TAPE AT JOINTS BETWEEN GYPSUM BOARDS, EXCEPT WHERE TRIM ACCESSORIES ARE INDICATED.

37) CAULK GAPS WHERE INTERSECTION OF NEW TO EXISTING CONSTRUCTION ELEMENTS ARE NOT CRISP AND CONSISTENT, UNLESS OTHERWISE NOTED.

38) FINISH INTERIOR GYPSUM WALLBOARD BY APPLYING JOINT COMPOUNDS IN 3 COATS AND SAND BETWEEN COATS AND AFTER LAST COAT. ONLY ONE COAT IS REQUIRED ON CONCEALED DRYWALL CONSTRUCTION.

39) PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS, IN A MANNER SUITABLE TO INSTALLER, WHICH ENSURES GYPSUM DRYWALL CONSTRUCTION BEING WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

093000 - TILING

SUMMARY: MODULAR TILES, MEMBRANE UNDERLAYMENTS, SETTING MATERIALS, GROUTING MATERIALS, ACCESSORIES, AND SUPPLEMENTARY ITEMS NECESSARY FOR INSTALLATION.

1) SAMPLES FOR VERIFICATION PURPOSES: SUBMIT SAMPLES FOR EACH ITEM LISTED BELOW OF SIZE AND CONSTRUCTION INDICATED. WHERE PRODUCTS INVOLVE NORMAL COLOR AND TEXTURE VARIATIONS, INCLUDE SAMPLE SETS SHOWING THE FULL RANGE OF VARIATIONS EXPECTED. SUBMIT ONE OF EACH TYPE OF TILE AND FOR EACH COLOR AND FINISH REQUIRED, AT LEAST 12 IN (300 MM) SQUARE.

2) WARRANTY: PROVIDE MANUFACTURERS WRITTEN WARRANTY COVERING MATERIALS AND INSTALLATION (LABOR) STATING OBLIGATIONS, REMEDIES, LIMITATIONS, AND EXCLUSIONS.

3) DELIVER AND STORE PACKAGED MATERIALS IN ORIGINAL CONTAINERS WITH SEALS UNBROKEN AND LABELS INTACT UNTIL TIME OF USE. COMPLY WITH REQUIREMENTS IN ANSI A137.1 FOR LABELING TILE PACKAGES.

4) STORE TILE AND CEMENTITIOUS MATERIALS ON ELEVATED PLATFORMS, UNDER COVER, AND IN A DRY LOCATION.

5) STORE AGGREGATES WHERE GRADING AND OTHER REQUIRED CHARACTERISTICS CAN BE MAINTAINED AND CONTAMINATION CAN BE AVOIDED.

6) STORE LIQUID MATERIALS IN UNOPENED CONTAINERS AND PROTECTED FROM FREEZING.
 7) HANDLE TILE THAT HAS TEMPORARY PROTECTIVE COATING ON EXPOSED SURFACES TO PREVENT COATED SURFACES FROM CONTACTING BACKS OR EDGES OF OTHER UNITS. IF COATING DOES CONTACT BONDING SURFACES OF TILE, REMOVE COATING FROM BONDING SURFACES BEFORE SETTING TILE.

8) ENVIRONMENTAL LIMITATIONS: INSTALL TILE ONLY WHEN CONSTRUCTION IN ROOM IS COMPLETED AND AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS ARE BEING MAINTAINED TO COMPLY WITH REFERENCED STANDARDS AND MANUFACTURER'S WRITTEN INSTRUCTIONS

9) MANUFACTURERS AND PRODUCTS: BASIS OF DESIGN (PRODUCT STANDARD): CONTRACT DOCUMENTS ARE BASED ON PRODUCTS AND SYSTEMS SPECIFIED TO ESTABLISH A STANDARD OF QUALITY. OTHER MANUFACTURERS OFFERING PRODUCTS HAVING EQUIVALENT CHARACTERISTICS MAY BE CONSIDERED, PROVIDED DEVIATIONS ARE MINOR AND COMPLY WITH REQUIREMENTS OF CONTRACT DOCUMENTS AS JUDGED BY THE ARCHITECT.

A.SELECTIONS: AS SCHEDULED OR AS INDICATED IN CONSTRUCTION DOCUMENT MATERIAL CODE LIST.

10) SINGLE SOURCE RESPONSIBILITY: FURNISH EACH TYPE OF PRODUCT FROM SINGLE MANUFACTURER. PROVIDE SECONDARY MATERIALS ONLY AS RECOMMENDED BY MANUFACTURER OF PRIMARY MATERIALS.

A. TILE: FOR EACH TILE, OBTAIN OF SAME COLOR, FINISH, COMPOSITION, AND TYPE, FROM SAME SOURCE AND PRODUCTION RUN.

B. SETTING AND GROUTING MATERIALS: OBTAIN INGREDIENTS OF UNIFORM QUALITY FOR EACH MORTAR AND GROUT

11) SLIP RESISTANCE REQUIREMENTS FOR FLOOR TILE: PRODUCTS AND INSTALLATION SHALL COMPLY WITH ANSI A137.1, AND STATE AND LOCAL ACCESSIBILITY STANDARDS.

A. SLIP RESISTANT WALKWAY SURFACES: DYNAMIC COEFFICIENT OF FRICTION DCOF ACUTEST METHOD PER ANSI A326.3.

i. DCOF LEVEL WALKWAYS: MINIMUM 0.42.

ii. DCOF INCLINED WALKWAYS: MINIMUM DCOF AS REQUIRED TO COMPLY WITH CODE.
 12) WATERPROOF MEMBRANE UNDERLAYMENTS FOR INTERIOR APPLICATIONS: BASIS OF DESIGN: CUSTOM BUILDING PRODUCTS, REDGUARD WATERPROOFING AND CRACK PREVENTION MEMBRANE. INCLUDE PRIMER, PRE-FABRICATED CORNERS, DETAIL TAPE,

SEALANT, AND OTHER STANDARD ACCESSORY PRODUCTS REQUIRED FOR APPLICATION PROVIDED BY MEMBRANE MANUFACTURER.

13) CRACK ISOLATION MEMBRANE UNDERLAYMENTS: MANUFACTURERS STANDARD PRODUCT THAT COMPLIES WITH ANSI A118.12 AS SELECTED FROM ONE OF THE FOLLOWING AVAILABLE OPTIONS. INCLUDE PRIMER, PRE-FABRICATED CORNERS, SEAMING CEMENT, DETAIL TAPE, SEALANT, AND OTHER STANDARD ACCESSORY PRODUCTS REQUIRED FOR APPLICATION PROVIDED BY MEMBRANE MANUFACTURER. MANUFACTURERS AND PRODUCTS:

A. ARDEX ENGINEERED CEMENTS; ARDEX 8 + 9 WATERPROOFING AND CRACK ISOLATION MEMBRANE.
B. CUSTOM BUILDING PRODUCTS; 9240 WATERPROOFING AND CRACK ISOLATION MEMBRANE.
C. LATICRETE INTERNATIONAL INC.; HYDRO BAN WATERPROOFING AND CRACK ISOLATION MEMBRANE.
D. LATICRETE INTERNATIONAL INC.; BLUE 92 ANTI-FRACTURE MEMBRANE.

14) COMMERCIAL GRADE EPOXY GROUT: HIGH PERFORMANCE EPOXY GROUT; PROVIDES HIGH DEGREE OF STAIN RESISTANCE; CLEANABLE TO THE ORIGINAL COLOR. MATERIAL QUALITY STANDARD- ANSI A118.3. MANUFACTURERS AND PRODUCTS:

A. CUSTOM BUILDING PRODUCTS; CEG-LITE 100% SOLIDS COMMERCIAL EPOXY GROUT.

B. LATICRETE INTERNATIONAL, INC.; SPECTRALOCK PRO PREMIUM GROUT.

C. MAPEI CORP.; KERAPOXY CQ.

15) CEMENTITIOUS UNDERLAYMENTS: TROWELABLE OR SELF-LEVELING AS REQUIRED BY CONDITIONS; PRE-MIXED, LATEX-MODIFIED, PORTLAND CEMENT BASED FORMULATION PROVIDED BY OR SPECIFICALLY APPROVED BY SETTING MATERIAL MANUFACTURER; INCLUDE PRIMERS IF REQUIRED FOR CONCRETE SUBSTRATE CONDITION.

16) METAL TRANSITION STRIPS (TILE TO ADJACENT FLOORING MATERIAL):

COMPONENT FROM SINGLE MANUFACTURER.

A. SCHLUTER SYSTEMS LP; SCHIENE, STAINLESS STEEL.

17) SIMULATED STONE (SOLID SURFACING) THRESHOLD:

E. MAPEI CORP.; MAPELASTIC AQUADEFENSE.

A. FABRICATION: OF SHAPE AND WIDTH TO ALLOW TOP AT NO MORE THAN 1/2 IN (12 MM) ABOVE ADJOINING FINISHED FLOOR SURFACE AND BOTH EDGES BEVELED ON A SLOPE NO GREATER THAN 1:2 AND AS INDICATED IN THE DRAWINGS.

B. COLOR: AS INDICATED IN CONSTRUCTION DOCUMENTS MATERIAL CODE LIST.

18) INSTALLATION QUALITY STANDARD: IN ADDITION TO STANDARDS LISTED ELSEWHERE, PERFORM TILE WORK ACCORDING TO FOLLOWING, UNLESS OTHERWISE SPECIFIED:

A. RESPECTIVE MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

B. ACCEPTED SUBMITTALS.
C. CONTRACT DOCUMENTS.

D. ANSI A108 INSTALLATION METHOD INDICATED. E. TCNA INSTALLATION METHOD INDICATED.

19) GENERAL REQUIREMENTS:

 A. EXTEND TILE INTO RECESSES AND UNDER OR BEHIND EQUIPMENT AND FIXTURES TO FORM A COMPLETE COVERING WITHOUT INTERRUPTIONS UNLESS OTHERWISE INDICATED.
 B. TERMINATE WORK NEATLY AT OBSTRUCTIONS, EDGES, AND CORNERS WITHOUT DISRUPTING PATTERN OR JOINT

ALIGNMENTS.
C. ACCURATELY FORM INTERSECTIONS AND RETURNS.

D. PERFORM CUTTING AND DRILLING OF TILE WITHOUT MARRING VISIBLE SURFACES.

E. GRIND CUT EDGES OF TILE ABUTTING TRIM, FINISH, OR BUILT-IN ITEMS FOR STRAIGHT ALIGNED JOINTS, TO FORM SMOOTH EDGES.

F. FIT TILE CLOSELY TO ELECTRICAL OUTLETS, PIPING, FIXTURES, AND OTHER PENETRATIONS SO THAT PLATES, COLLARS, OR COVERS OVERLAP TILE BY NOT LESS THAN 1/8 IN (3 MM).

20) TILE INSTALLATION: COMPLY WITH TCNAS HANDBOOK FOR CERAMIC TILE INSTALLATION FOR TCNA INSTALLATION METHODS SPECIFIED IN TILE INSTALLATION SCHEDULES. COMPLY WITH PARTS OF THE ANSI A108 SERIES SPECIFICATIONS FOR INSTALLATION OF CERAMIC TILE THAT ARE REFERENCED IN TCNA INSTALLATION METHODS, SPECIFIED IN TILE INSTALLATION SCHEDULES, AND APPLY TO TYPES OF SETTING AND GROUTING MATERIALS USED.

21) INSTALLATION QUALITY STANDARD: INSTALL TILE ACCORDING TO FOLLOWING STANDARDS:

A. EPOXY MORTAR: ANSI A108.9. B. EPOXY GROUT: ANSI A108.9, WHERE INDICATED.

22) BACK BUTTERING: FOR FOLLOWING INSTALLATIONS, OBTAIN MINIMUM 95 PERCENT MORTAR COVERAGE AS IN REFERENCED ANSI A108 SERIES OF INSTALLATION STANDARDS:

A. TILE FLOORS AND CEILINGS IN WET AND LIMITED WATER EXPOSURES.

A. TILE FLOORS AND CEILINGS IN WET AND LIMITED W.
B. TILE FLOORS INSTALLED WITH EPOXY MORTARS.

C. TILE FLOORS COMPOSED OF RIB-BACKED TILES.

23) INTERIOR TILE INSTALLATION SCHEDULE:

A. FLOORS, KITCHENS, AND FOOD SERVICE AREAS, CONCRETE SUBSTRATE - EPOXY MORTAR:

i. TCNA INSTALLATION METHOD F131 (WATERPROOF MEMBRANE) AT ELEVATED SLABS: EPOXY MORTAR BOND COAT

OVER CONCRETE SUBFLOOR; INDUSTRIAL GRADE EPOXY GROUT.

B. FLOORS, ELEVATOR CAR, CEMENTITIOUS BACKER UNIT SUBSTRATE:

i. TCNA INSTALLATION METHOD F144 (CRACK ISOLATION MEMBRANE; FULL COVERAGE): EPOXY MORTAR OVER

CEMENTITIOUS BACKER UNIT: COMMERCIAL EPOXY GROUT

CEMENTITIOUS BACKER UNIT; COMMERCIAL EPOXY GROUT.

C. WALLS, GYPSUM BOARD SUBSTRATE:

i. TCNA INSTALLATION METHOD W243: THIN-SET LATEX-PORTLAND CEMENT MORTAR OVER COATED-GLASS-MAT GYPSUM BOARD; LATEX-PORTLAND CEMENT GROUT

099100 - PAINTING

1) PAINT EXPOSED SURFACES WHETHER OR NOT COLORS ARE DESIGNATED IN SCHEDULES, EXCEPT WHERE A SURFACE OR MATERIAL IS SPECIFICALLY INDICATED NOT TO BE PAINTED OR IS TO REMAIN NATURAL. WHERE AN ITEM OR SURFACE IS NOT SPECIFICALLY MENTIONED, PAINT THE SAME AS SIMILAR ADJACENT MATERIALS OR SURFACES. IF A FINISH IS NOT DESIGNATED, THE ARCHITECT WILL SELECT FROM STANDARD COLORS AND FINISHES AVAILABLE.

2) PAINTING INCLUDES FIELD PAINTING EXPOSED BARE AND COVERED PIPE AND DUCTS (INCLUDING COLOR CODING), HANGERS EXPOSED STEEL AND IRON WORK, AND PRIMED METAL SURFACES OF MECHANICAL AND ELECTRICAL EQUIPMENT. DO NOT PAINT OVER UNDER WRITER'S LABORATORIES, FACTORY MUTUAL OR OTHER CODE REQUIRED LABELS OR EQUIPMENT NAME, IDENTIFICATION, PERFORMANCE RATING OR NOMENCLATURE PLATES.

3) SUBMIT PRODUCT DATE FOR EACH PAINT SYSTEM SPECIFIED, INCLUDING BLOCK FILLERS AND PRIMERS. PRODUCT DATA SHALL INCLUDE THE MANUFACTURER'S TECHNICAL INFORMATION AND CERTIFICATION BY THE MANUFACTURER THAT PRODUCTS SUPPLIED COMPLY WITH ALL REGULATIONS CONTROLLING USE OF VOLATILE ORGANIC COMPOUNDS (VOC'S).

4) SUBMIT SAMPLES TO INCLUDE BUT NOT LIMITED TO:
PAINTED WOOD: PROVIDE 12" SQUARE SAMPLE OF EACH COLOR AND MATERIAL ON ITS SCHEDULED SUBSTRATE. IDENTIFY EACH
FINISH AND SCHEDULED LOCATION.

5) STAINED OR NATURAL WOOD: PROVIDE TWO 12" SQUARE SAMPLES OF THE SPECIFIED FINISH ON THE ACTUAL VENEERS AND SOLID STOCK WOOD SPECIES NOTED. IDENTIFY EACH FINISH AND SCHEDULED LOCATION.

6) EXAMINE SUBSTRATES AND CONDITIONS UNDER WHICH PAINTING WILL BE PERFORMED FOR COMPLIANCE WITH MANUFACTURER'S REQUIREMENTS FOR APPLICATION OF PAINT. DO NOT BEGIN PAINT APPLICATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

PROVIDE COMPATIBLE PRIMERS AND UNDERCOAT PAINT AS SPECIFIED BY THE MANUFACTURER OF THE FINISH COATS.

8) APPLY PAINT ACCORDING TO MANUFACTURER'S INSTRUCTIONS. USE APPLICATORS AND TECHNIQUES BEST SUITED FOR

7) PROVIDE THE MANUFACTURER'S BEST COMMERCIAL GRADE QUALITY PAINT MATERIAL ON THE VARIOUS COATING TYPES

SPECIFIED. PAINT MATERIAL CONTAINERS NOT DISPLAYING THE MANUFACTURER'S PRODUCT IDENTIFICATION WILL NOT BE

SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED.

9) PAINT ANY REUSED HVAC DIFFUSERS AND RETURN AIR GRILLES TO MATCH ADJACENT CEILING GRID, UNLESS NOTED OTHERWISE. CONTRACTOR TO VERIFY IN FIELD.

10) DO NOT PAINT OVER DIRT, RUST SCALE, GREASE, MOISTURE, SCUFFED SURFACES, OR CONDITIONS DETRIMENTAL TO FORMATION OF A DURABLE PAINT FILM.

11) APPLY ADDITIONAL COATS IF UNDERCOATS, STAINS, OR OTHER CONDITIONS SHOW THROUGH FINAL COAT OF PAINT UNTIL PAINT FILM IS OF UNIFORM FINISH, COLOR AND APPEARANCE.12) ENSURE THAT SURFACES, INCLUDING EDGES, CORNERS, CREVICES, WELDS, AND EXPOSED FASTENERS RECEIVE A DRY FILM

THICKNESS EQUIVALENT TO THAT SPECIFIED.

13) APPLY WATER BASED PAINTS ONLY WHEN THE TEMPERATURE OF THE SURFACES TO BE PAINTED AND SURROUNDING AIR TEMPERATURES ARE BETWEEN 50 DEGREES F AND 90 DEGREES F. APPLY SOLVENT THINNED PAINTS ONLY WHEN THE TEMPERATURE OF SURFACES TO BE PAINTED AND SURROUNDING AIR TEMPERATURES ARE BETWEEN 45 DEGREES F AND 95 DEGREES F.

14) PROVIDE PRODUCTS FROM ONE OF THE FOLLOWING MANUFACTURERS:

A. BENJAMIN MOORE AND CO.
B. THE SHERWIN WILLIAMS CO.

C. PPG INDUSTRIES

15) FOR ALL GYPSUM WALL BOARD SURFACES, APPLY ONE COAT OF PRIMER AND TWO COATS OF ACRYLIC LATEX FOR FLAT SHEET WALLS, UNLESS NOTED OTHERWISE. APPLY ONE COAT OF PRIMER AND TWO COATS OF LATEX ENAMEL FOR SEMI-GLOSS OR

16) OPAQUE FINISHES FOR WOOD DOORS SHALL BE ONE COAT OF FACTORY APPLIED PRIMER AND TWO COATS OF SEMI-GLOSS LATEX ENAMEL, UNLESS NOTED OTHERWISE.

104400 - FIRE-PROTECTION SPECIALTIES

B. LARSEN'S MANUFACTURING COMPANY.

ONLY AS RECOMMENDED BY MANUFACTURER OF PRIMARY

EGGSHELL SHEEN WALLS, UNLESS NOTED OTHERWISE.

SUMMARY: WORK REQUIRED FOR THIS SECTION INCLUDES FIRE PROTECTION SPECIALTIES (FIRE EXTINGUISHERS, CABINETS, ACCESSORIES) AND SUPPLEMENTARY ITEMS NECESSARY TO COMPLETE THEIR INSTALLATION.

1) SUBMITTALS: PRODUCT DATA- INCLUDE MANUFACTURER'S SPECIFICATIONS FOR MATERIALS, FINISHES, CONSTRUCTION DETAILS, INSTALLATION INSTRUCTIONS, AND RECOMMENDATIONS FOR MAINTENANCE.

A. FIRE EXTINGUISHERS: INCLUDE RATING AND CLASSIFICATION.

B. CABINETS: INCLUDE ROUGHING-IN DIMENSIONS, DETAILS SHOWING MOUNTING METHODS, RELATIONSHIPS OF BOX AND TRIM TO SURROUNDING CONSTRUCTION, DOOR HARDWARE, CABINET TYPE, TRIM STYLE, AND PANEL STYLE.

2) MANUFACTURER QUALIFICATIONS: MANUFACTURER WITH NOT LESS THAN 5 YEARS OF EXPERIENCE IN THE SUCCESSFUL PRODUCTION AND

IN-SERVICE PERFORMANCE OF PRODUCTS AND SYSTEMS SIMILAR TO SCOPE OF THIS PROJECT.

3) NFPA COMPLIANCE: FABRICATE AND LABEL FIRE EXTINGUISHERS TO COMPLY WITH NFPA 10, "STANDARD FOR PORTABLE FIRE

EXTINGUISHERS."

4) FIRE EXTINGUISHERS: LISTED AND LABELED FOR TYPE, RATING, AND CLASSIFICATION BY AN INDEPENDENT TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

5) ACCEPTABLE MANUFACTURERS AND PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS AS JUDGED BY THE ARCHITECT/ OWNER, PROVIDE PRODUCT BY ONE OF MANUFACTURERS LISTED. IF NOT LISTED, SUBMIT AS SUBSTITUTION REQUEST IN WRITING WITH CLARIFICATION OF REASON FOR SUBSTITUTION.

A. J. L. INDUSTRIES, INC.; A DIVISION OF ACTIVAR CONSTRUCTION PRODUCTS GROUP.

C. POTTER ROEMER LLC.

6) SINGLE SOURCE RESPONSIBILITY: FURNISH EACH TYPE OF PRODUCT FROM SINGLE MANUFACTURER. PROVIDE SECONDARY MATERIALS

MATERIALS:

A. COLD-ROLLED STEEL SHEET: CARBON STEEL, COMPLYING WITH ASTM A 1008/A 1008M, COMMERCIAL QUALITY, STRETCHER LEVELED, TEMPER ROLLED.

B. ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY ALUMINUM PRODUCER AND FINISH INDICATED, AND AS FOLLOWS:

MANUFACTURER FOR TYPE OF USE AND

i. SHEET: ASTM B 209.
ii. EXTRUDED SHAPES: ASTM B 221.
iii. STAINLESS-STEEL SHEET: ASTM A 666/A 666M, TYPE 302 OR TYPE 304 ALLOY.

8) PORTABLE FIRE EXTINGUISHERS, GENERAL: PROVIDE FIRE EXTINGUISHERS OF TYPE, SIZE, AND CAPACITY FOR EACH CABINET AND OTHER LOCATIONS INDICATED. MULTIPURPOSE DRY CHEMICAL TYPE; TYPICAL UNLESS OTHERWISE INDICATED OR SPECIFIED: UL-RATED 2A:10B:C, 5-LB NOMINAL CAPACITY, IN ENAMELED STEEL CONTAINER.

9) FIRE-PROTECTION CABINET CONSTRUCTION: PROVIDE MANUFACTURER'S STANDARD BOX (TUB), WITH TRIM, FRAME, DOOR, AND HARDWARE TO SUIT CABINET TYPE, TRIM STYLE, AND DOOR STYLE INDICATED. WELD JOINTS AND GRIND SMOOTH. MITER AND WELD PERIMETER DOOR FRAMES.FIRE-RATED CABINETS: LISTED AND LABELED TO MEET REQUIREMENTS OF ASTM E 814 FOR FIRE-RESISTANCE RATING OF WALL WHERE IT IS INSTALLED. CONSTRUCT FIRE-RATED CABINETS WITH DOUBLE WALLS FABRICATED FROM 0.0478 IN (1.2 MM) THICK, COLD-ROLLED STEEL SHEET LINED WITH MINIMUM 5/8 IN (15 MM) THICK, FIRE-BARRIER MATERIAL. PROVIDE FACTORY-DRILLED MOUNTING HOLES.

10) RECESSED CABINETS: RECESS CABINETS (WHERE APPLICABLE) IN WALLS OF SUFFICIENT DEPTH TO SUIT STYLE OF TRIM INDICATED.

11) SEMI-RECESSED CABINET: ONE-PIECE COMBINATION TRIM AND PERIMETER DOOR FRAME OVERLAPPING SURROUNDING WALL SURFACE WITH EXPOSED TRIM FACE AND WALL RETURN AT OUTER EDGE (BACKBEND).

12) SURFACE-MOUNTED: SURFACE-MOUNTED CABINET WITH BOX FULLY EXPOSED AND MOUNTED DIRECTLY ON WALL. PROVIDE WHERE INDICATED TO BE SURFACE MOUNTED.

13) TRIM STYLE: FABRICATE CABINET TRIM IN ONE PIECE WITH CORNERS MITERED, WELDED, AND GROUND SMOOTH. SAME METAL AND FINISH

AS DOOR.

14) DOOR GLAZING: MANUFACTURER'S STANDARD TEMPERED FLOAT GLASS (CLEAR).15) DOOR STYLE: MANUFACTURER'S STANDARD VERTICAL DUO PANEL DESIGN.

C. CONTRACT DOCUMENTS.

PREPARATION

MATERIALS FROM DIRECT CONTACT WITH INCOMPATIBLE MATERIALS.

16) DOOR CONSTRUCTION: FABRICATE DOORS ACCORDING TO MANUFACTURER'S STANDARDS, OF MATERIALS INDICATED, AND COORDINATED WITH CABINET TYPES AND TRIM STYLES SELECTED. PROVIDE MINIMUM 1/2 IN (12MM) THICK DOOR FRAMES, FABRICATED WITH TUBULAR STILES AND RAILS, AND HOLLOW-METAL DESIGN.

17) DOOR HARDWARE: PROVIDE MANUFACTURER'S STANDARD DOOR-OPERATING HARDWARE OF PROPER TYPE FOR CABINET TYPE, TRIM STYLE, AND DOOR MATERIAL AND STYLE INDICATED. PROVIDE EITHER LEVER HANDLE WITH CAM-ACTION LATCH, OR EXPOSED OR CONCEALED DOOR PULL AND FRICTION LATCH. PROVIDE CONCEALED OR CONTINUOUS-TYPE HINGE PERMITTING DOOR TO OPEN 180 DEGREES.

18)MOUNTING BRACKETS: MANUFACTURER'S STANDARD STEEL, DESIGNED TO SECURE EXTINGUISHER, OF SIZES REQUIRED FOR TYPES AND CAPACITIES OF EXTINGUISHERS INDICATED, WITH PLATED OR BAKED-ENAMEL FINISH. PROVIDE BRACKETS FOR EXTINGUISHERS NOT LOCATED IN CABINETS.
IDENTIFICATION: PROVIDE LETTERING TO COMPLY WITH AUTHORITIES HAVING JURISDICTION FOR LETTER STYLE, COLOR, SIZE, SPACING, AND

19) FIRE EXTINGUISHER CABINET: IDENTIFY WITH THE WORDS "FIRE EXTINGUISHER" IN BLACK DIE CUT VINYL LETTERS APPLIED TO

20) GENERAL FINISH REQUIREMENTS, FIRE-PROTECTION CABINETS: COMPLY WITH NAAMM'S "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS" FOR RECOMMENDATIONS FOR APPLYING AND DESIGNATING FINISHES.

21) ACCEPTANCE OF SURFACES AND CONDITIONS: EXAMINE SUBSTRATES TO RECEIVE PRODUCTS AND SYSTEMS AND ASSOCIATED WORK FOR COMPLIANCE WITH REQUIREMENTS AND OTHER CONDITIONS AFFECTING PERFORMANCE. PROCEED ONLY WHEN UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER COMPLYING WITH CONTRACT DOCUMENTS. STARTING WORK WITHIN A PARTICULAR AREA WILL BE CONSTRUED AS ACCEPTANCE OF SURFACE CONDITIONS.

EXAMINE FIRE EXTINGUISHERS FOR PROPER CHARGING AND TAGGING. REMOVE AND REPLACE DAMAGED, DEFECTIVE, OR UNDERCHARGED FIRE EXTINGUISHERS.

23) CONTROL OF CORROSION: PREVENT GALVANIC ACTION AND OTHER FORMS OF CORROSION BY ISOLATING METALS AND OTHER

22) INSTALLATION, GENERAL: IN ADDITION TO STANDARDS LISTED ELSEWHERE, PERFORM WORK ACCORDING TO FOLLOWING, UNLESS OTHERWISE SPECIFIED.

A. RESPECTIVE MANUFACTURER WRITTEN INSTALLATION INSTRUCTIONS.
B. ACCEPTED SUBMITTALS.

PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS THAT ENSURE THAT CABINETS AND DOORS ARE WITHOUT DAMAGE OR DETERIORATION AT THE TIME OF SUBSTANTIAL COMPLETION.

113100 - RESIDENTIAL APPLIANCES

CABINETS TO STRUCTURE, SQUARE AND PLUMB.

REPLACE CABINETS AND DOORS DAMAGED DURING INSTALLATION.

SUMMARY: SECTION INCLUDES INFORMATION REGARDING RESIDENTIAL STYLE KITCHEN APPLIANCES AND SUPPLEMENTARY ITEMS NECESSARY FOR INSTALLATION.

24) INSTALLATION: COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLING FIRE-PROTECTION SPECIALTIES.

INSTALL IN LOCATIONS AND AT MOUNTING HEIGHTS INDICATED OR, IF NOT INDICATED, AT HEIGHTS ACCEPTABLE TO AUTHORITIES

25) ADJUSTING, CLEANING, AND PROTECTION: ADJUST CABINET DOORS THAT DO NOT SWING OR OPERATE FREELY. REFINISH OR

HAVING JURISDICTION. PREPARE RECESSES FOR CABINETS AS REQUIRED BY TYPE AND SIZE OF CABINET AND TRIM STYLE. FASTEN

1) SUBMITTALS: PRODUCT DATA- MANUFACTURER'S DATA INDICATING DIMENSIONS, CAPACITY, AND OPERATING FEATURES OF EACH PIECE OF RESIDENTIAL EQUIPMENT SPECIFIED.

2) QUALITY ASSURANCE: ELECTRIC APPLIANCES- LISTED AND LABELED BY UL AND COMPLYING WITH NEMA STANDARDS.3) WARRANTY: PROVIDE MANUFACTURERS STANDARD APPLIANCE WARRANTY.

4)PRODUCTS: SEE EQUIPMENT SCHEDULE PROVIDED IN DRAWINGS FOR PRODUCT DETAILS.

8) CLEANING: REMOVE PACKING MATERIALS FROM EQUIPMENT. WASH AND CLEAN EQUIPMENT.

5) ACCESSIBILITY: COMPLIANT WITH 2010 AMERICANS WITH DISABILITIES ACT (ADA) AND ANSI A117.1.

 A. WIRE FAN AND LIGHT CONTROLS TO WALL MOUNTED SWITCHES PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

 6) INSTALLATION: INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ANCHOR BUILT-IN EQUIPMENT IN PLACE. ADJUST OPERATING EQUIPMENT TO EFFICIENT OPERATION.

7) PROTECTION: PROTECT APPLIANCES FROM DAMAGE DURING AND AFTER INSTALLATION. DAMAGED, SCRATCHED OR DENTED ALLIANCES WILL NOT BE EXCEPTED UNLESS APPROVED BY OWNER.

ARCX STUDI

ARCHITECT & INTERIOR DESIGN
ARCX STUDIO

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206
513.396.8900

MEP ENGINEER

859.261.0585

ENIGINEERED BUILDING SERVICES, INC.
515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

HTCTC - 127-129 GOETHE RENOVATION

CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

2301

CITY GOSPEL MISSION



REVISION

DESCRIPTION

PERMIT

ISSUED FOR

06-27-2023 SHEET NAME

ARCHITECTURAL SPECIFICATIONS

SHEET NO.

AT FULL SIZE MEASURES 30" X 42"

· Authorities Having Jurisdiction should be consulted before construction. · Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance

encountered in the field. • When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials

and a ternate methods of construction. Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for

Canada See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

February 3, 2023

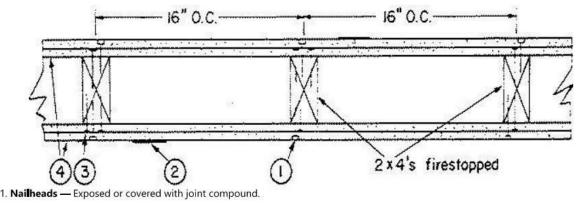
Bearing Wall Rating — 2 Hr. Finish Rating — 66 Min.

Design No. **U301**

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used - See Guide BXUV or BXUV7

(such as Canada), respectively.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification \(\times \)



2. Joints — Exposed joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape.

3. Nails — 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 8d cement coated nails 2-3/8 in. long,

4. Gypsum Board* - 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. OC. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. OC. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on When used in widths other than 48 in., gypsum board to be installed horizontally.

When Steel Framing Members* (Item 6 or any alternate clips) are used, base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced max 24 in. OC; face layer attached with 1-5/8 in. long Type S bugle-head steel screws spaced max 12 in. OC. AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, AGX-11, LightRoc

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, GlasRoc-2, Type C, Type X-1, Type LWTX

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX

CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX, CLLX

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base -Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSW-C, FSW-G, FSMR-C, FSL, RSX

NATIONAL GYPSUM CO - Riyadh, Saudi Arabia - Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2, PG-3, PG-3W, PG-4, PG-5W, PG-5WS, PG-9, PG-11, PG-C,

PANEL REY S A — Types PRC, PRC2, PRX, RHX, MDX, ETX, GREX, GRIX

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1

THAI GYPSUM PRODUCTS PCL — Type C or Type X

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

4A **G B** As er e o l e 4 — o 3/4 i hick, i s ed s described i l e 4 CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR 48 **G** B As er e o l e s 4 d 4A — 5/8 i hick, 2 f wide, o gue d groove edge, pp ied horizo y s he ou er yer o o e side of he sse by Secured s described i le 4 Joi coveri g le 2 o required

UNITED STATES GYPSUM CO — Type SHX

USG MEXICO S A DE C V — Type SHX

RAY-BAR ENGINEERING CORP — Type RB-LBG

4C **G** B As er e ole s 4, 4A or 4B — o Show — For Direc Appic io o S uds O y-For use o o e or boh sides of hew sheb se yer or oe or boh sides of hew shef ce yer o 5/8 i hicked b cked gypsupes will beveied, squire or ipered edges, ippied vericity. Vericity of scelered over sluds of significant square or in 1 slud civily of opposi e sides of s uds W bo rd secured o s uds wi h 1-5/8 i o g Type W co rse hre d gypsu p e s ee screws sp ced 8 i OC peri e er di he fie d whe ppied s he b se yer Whe ppied s he f ce yer screw e g h o be i cre sed o 2-1/2 i Le d b e srips required behi d ver ic joi s of e d b cked gypsu w bord d op io re i i g s ud oc io s Le d b e s rips, i 1-1/2 i wide, x 10 f o g wih x hick ess of 0 125 i p ced o he f ce of s uds d ched o he s ud wih wo 1 i og Type S-12 p he ds ee screws, F4j oe he op of he s rip doe he bo o of he s rip Le ddiscs or bs y be used i ieu of or i ddiio o he e dbe sripsor opio o her ocios Mx3/4 i di by x0125 i hick e d discs co pressio fi ed or dhered over s ee screw he ds or x 1/2 i by 1-1/4 i by x 0 125 i hick e d bs p ced o gypsu bo rds u der e h screw oc io s prior o he i s io of he screws Le d b e s rips o h ve puri y of 99.9% ee i g he Feder specific io QQ-L-201f, Gr de "C" F s e ers for f ce yer gypsu p e s l e s 4, 4A or 4B whe is ed over edb cked bord obe i 2-1/2 i Type S-12 bug eheds ee screws spiced is described i led

4D **G** B As A er e ole 4 — 5/8 i hick ppied ei her horizo y or ver ic y l er yers f s e ed o fr i g wi h 1-1/4 i o g Type W co rse hre d gypsu p e s ee screws sp ced x 8 i OC, wi h s screw 1 i fro edge of bord Ouer yers f seed of rigwih 1-7/8 i og Type W corse hredgypsu pesseescrews spced x8 i OC, wih s screw 1 i fro edge of bord Whe used i wid hs o her h 48 i , gypsu bord o be i s ed horizo y A joi s i f ce yers s ggered wihjoi sib se yers Joi sofe chb se yer offse wihjoi sofb se yero opposie side AMERICAN GYPSUM CO — Types AGX-1, M-G ss, AG-C, Ligh Roc

4E. Gypsum Board* — (As an alternate to Items 4 through 4D) — 5/8 in. thick, 4 ft. wide, paper surfaced applied vertically and secured as described in Item 4 GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board

4F. Gypsum Board* — (As an alternate to Item 4) — Not to be used with item 6, 6A, 6B or 6C. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically and secured as described in Item 4. NATIONAL GYPSUM CO — Type SBWB

4G. Gypsum Board * — (As an alternate to Items 4 through 4F) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types QuietRock ES

4H. Gypsum Board* — (As an alternate to Item 4) — Not to be used with item 6, 6A, 6B, or 6C. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically or horizontally and secured as described in Item 4. CERTAINTEED GYPSUM INC — Type SilentFX

4I. Gypsum Board* — (As an alternate to item 4) — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with 1-1/4 in. long Type W steel screws spaced 8 in. OC. Outer layer attached to studs over inner layer with 2 in. long Type W steel screws spaced 8 in. OC offset 6 in. from base layer. Vertical joints located over studs. Vertical and horizontal joints between inner and outer layers staggered. Outer layer joints covered with joint tape and compound, screwheads covered with joint compound. As an alternate to the joint compound nom 3/32 in, thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Wallboard other than 48 in. wide must be applied horizontally. The SoundBreak XP Type X Gypsum Board is not to be used with Item 6, 6A, 6B, or 6C. NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-G, FSW-G, FSMR-C, SBWB

4J. Gypsum Board* — (As an alternate to Items 4) — For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4 MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

4K. Gypsum Board* — For use with Item 7 — 5/8 in. thick, two layers applied vertically. Inner layer attached to resilient channels with 1 in. long steel screws spaced 8 in. OC. Outer layer attached to resilient channels over inner layer with 1-5/8 in. long steel screws spaced 8 in. OC. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. Insulation, Items 8 or 9 is required. AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, AGX-1

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-C, FSW-G, FSMR-C, SBWB.

4L. Gypsum Board* — (As an alternate to Items 4) — For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboards and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

4M. Gypsum Board* — (As an alternate to Item 4) — 5/8 in. thick, 4 ft. wide, two layers applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 4. CERTAINTEED GYPSUM INC - 5/8" Easi-Lite Type X

4N. Gypsum Board* — (As an alternate to 5/8 in. Type FSW in Items 4 or 4I) — Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Two layers of 5/16 in. for every single layer of 5/8 in. gypsum board described in Item 4 or 4I. Horizontal joints on the same side need not be staggered. Inner layer of each double 5/16 in. layer attached with fasteners, as described in item 4 or 4I, spaced 24 in. OC. Outer layer of each double 5/16 in. layer attached per Item 4 or 4I. NATIONAL GYPSUM CO — Type FSW

40. Wall and Partition Facings and Accessories* — (As an alternate to Items 4 through 4N) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4P. Gypsum Board* — (As an alternate to Item 4) — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with 1-1/4 in. long Type W steel screws spaced 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. Outer layer attached to studs over inner layer with 1-7/8 in. long Type W steel screws spaced 10 in. OC offset 5 in. from base layer with the last two screws 4 and 1 in. from the edges of the board. Vertical joints located over studs. Vertical and horizontal joints between inner and outer layers staggered. Outer layer joints covered with joint tape and compound, screwheads covered with joint compound. When used in widths other than 48 in., gypsum panels are to be installed horizontally. CERTAINTEED GYPSUM INC — Type LGFC6A, Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

4Q. Gypsum Board* — (As an alternate to Item 4. For use with Item 13) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board UL Classified for Fire Resistance (CKNX) eligible for use in Design Nos. U305 and L501 or G512. Two layers, applied either horizontally or vertically, and screwed to studs with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 3/4 in. from the edges of the board when applied as the base layer. For the face layer, screw length to be increased to 2-1/2 in. All joints in face layers staggered with joints in base layers. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

4R. Gypsum Board* — As an Alternate to Item 4 — 5/8 in. thick applied either horizontally or vertically. Inner layers fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Outer layers fastened to framing with 1-7/8 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, GlasRoc-2, Type C, Type X-1, Easi-Lite Type X, SilentFX

4S. Gypsum Board* — (As an alternate to Item 4. For use with Item 13A) — 5/8 in. thick, two layers applied vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. OC. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. OC. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. AMERICAN GYPSUM CO — Types AGX-1

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CABOT MANUFACTURING ULC - "5/8 Type X"

CGC INC — Type SCX

PANEL REY S A — Type PRX

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type X

UNITED STATES GYPSUM CO — Type SCX

USG BORAL DRYWALL SFZ LLC — Types SCX

USG MEXICO S A DE C V — Type SCX

4T. Gypsum Board* — (As an alternate to Item 4. For use with Item 13B) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 4 above. Two layers applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. All joints in outer layers staggered with joints in inner layers. Inner layer attached to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Outer layer attached to studs over inner layer with the 2-1/2 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC.

4U. Gypsum Board* — (As an alternate to Item 4. For use with Item 13C) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 4 above. Two layers applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. All joints in outer layers staggered with joints in inner layers. Inner layer attached to studs with 1-1/4 in. long Type W screws spaced 8 in. OC at perimeter and in the field. Outer layer attached to studs over inner layer with 1-7/8 in. long Type W screws spaced 8 in. OC.

5. Molded Plastic* — Not Shown, Optional — Solid vinyl siding mechanically secured over the outer layer to framing members in accordance with manufacturer's recommended installation details. ALSIDE, DIV OF ASSOCIATED MATERIALS INC

GENTEK BUILDING PRODUCTS LTD

VYTEC CORP

6. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: A. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Wallboard attached to furring channels as described in Item 4.

B. Steel Framing Members* — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in, coarse drywall screw through the center grommet. Furring channels are friction fitted into clips, RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels. PAC INTERNATIONAL L C — Types RSIC-1, RSIC-1 (2.75)

6A. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as A. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

B. Steel Framing Members* — Used to attach furring channels (Item 6Aa) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips. STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

6B. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below: A. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6Bb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

B. Steel Framing Members* — Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC., and secured to studs with 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. REGUPOL AMERICA — Type SonusClip

FLOOR-CEILING SYSTEMS, WOOD FRAMED

WOOD FLOOR, WOOD JOISTS, GYPSUM WALLBOARD,

METAL CHANNELS

Base layer 5/8" type X gypsum wallboard applied at right angles

to 2 x 8 wood joists 24" o.c. with 1-1/4" Type W screws 12" o.c.

Second layer 5/8" type X gypsum wallboard applied at right angles

to joists with 2" Type W screws 12" o.c. Third layer 5/8" type X

gypsum wallboard applied at right angles to joists with 2-1/2"

24" o.c. applied at right angles to joists over third layer with two

2-1/2" long Type W screws at each joist. Face layer 5/8" type X

gypsum wallboard applied at right angles to furring channels with

1-1/8" Type S screws 12" o.c. Wood joists supporting 3/4" T&G

edge plywood floor applied at right angles to joists with 8d nails

Second layer joints offset 24" from base layer joints. Third layer

6" o.c. at joints and 12" at intermediate joists.

joints offset 12" from second layer joints.

Type W screws 12" o.c. Hat-shaped 7/8" rigid furring channels

GENERIC

GA FILE NO.

FC 5725

Fire Design:

2 HOUR

Ceiling Weight: 12 psf (Fire)

UL R4024, 00NK26545, 4-27-01,

UL R4024, 03NK11206, 3-19-03,

UL Design L556,

ULC Design M514

FIRE

6C. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) —Resilient channels and Steel Framing Members as a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.

b. Steel Framing Members* — Used to attach resilient channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

6D. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) — Used as an alternate method to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 24 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the accessory manufacturer's installation instructions. PAC INTERNATIONAL L L C — Type RC-1 Boost

6E Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below: a Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to stude as described in Item b. Ends of adjoining channels are overlapped 6 in, and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 4.

b Steel Framing Members* — Used to attach furring channels (Item 6Ea) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in, coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

7. Furring Channel — Optional — Not Shown — For use on one side of the wall with Item 4K — Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Item 8 or 9 is required.

8. Batts and Blankets* — Required for use with resilient channels, Item 7, min. 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the nom 4 in. face of the studs with staples placed 24 in. OC. ROCKWOOL — Type SAFEnSOUND, min. 1.8 pcf.

THERMAFIBER INC - Type SAFB, SAFB FF

polyurethane foam sealant.

9. Batts and Blankets* — (As an alternate to Item 8) — Min. 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the stud cavities. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

9A. Fiber, Sprayed* — (Optional) — As an alternate to Batts and Blankets (Item 8), Required for use with resilient channels, Item 7, Not for use with Item 6, 6A, 6B, or 6C. — Spray applied mineral wool insulation. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ). AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

10. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 or QR-510

11. Cementitious Backer Units* — (Optional Item Not Shown — For Use On Face Of 2 Hr Systems With All Standard Items Required) - 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied horizontally or vertically with vertical joints centered over studs. Face layer fastened over gypsum board to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

12. Wall and Partition Facings and Accessories* — (Optional, Not Shown) - When the Wall Assembly is used as an External Wall, on the External side of the wall one of the following Wall and Partition and Facing Accessories may be used, refer to items (A) to (C) A. Non Insulated system with metal channels — Install moisture barrier over the Gypsum Board Item 4 and Install Acry Metal Channels vertically at a horizontal spacing not greater than 24 inches OC., over the moisture barrier. Acry Metal Channels attached through the moisture barrier and the Gypsum Board to the Wood Studs using fasteners specified by the manufacturer and fasteners spaced max., 24 in. OC. Install Acrytec Panels on Acry Metal Channels using 1-1/4" long corrosion coated stainless steel screws spaced at a max spacing of 24 inches OC, along with manufacturer's approved adhesive (3M 540 or Tremco Vulcum 116). Adhesive to be applied in a zigzag pattern along every channel. Joint treatment in between panels shall be Tremco illmod 600 pre compressed

B. Insulated system with metal channels — Install moisture barrier over the Gypsum Board Item 4. Install galvanized Z girt channels

specified by the manufacturer over the moisture barrier and the Gypsum Board Item 4. Z girt channels to be installed horizontally at a max. spacing of 24" OC. Z girt channels attached through the Gypsum Board and the moisture barrier to the wood studs with screws provided by the manufacturer at a max spacing of 24 inches OC. Install mineral wool insulation between the Z girts. Maximum thickness of mineral wool insulation not to exceed 6 in. As per manufacturer's instructions install Acry Metal Channels vertically over the Z girts at a max horizontal spacing of 24 in. OC. Acrytec Panels installed on Acry channel with 1-1/4" long corrosion coated stainless steel screws at a max spacing of 24 in. OC, along with manufacturers approved adhesive (3M 540 or Tremco Vulcum 116). Adhesive to be applied in a zigzag pattern along every channel. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.

C. Non insulated wood strapping system — Install moisture barrier over the Gypsum Board Item 4 and Install 1" x 3" wood strapping vertically at a horizontal spacing not greater than 24 inches OC., over the moisture barrier. 1" x 3" wood strapping attached through the moisture barrier and the Gypsum Board to the Wood studs using fasteners specified by the manufacturer and fasteners spaced max., 24 in. OC. Acrytec Panels to be installed on the 1" x 3" wood strapping using manufacturers approved stainless steel fasteners spaced at maximum 24 inches OC along with Tremco Vulcum 116 adhesive applied in a zigzag pattern along every wood strap. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.

D. Insulated Wood Strapping System — Install moisture barrier over the Gypsum Board Item 4. Install Extruded Polystyrene Insulation over moisture barrier and the Gypsum Board Item 4, max thickness of insulation not to exceed 4 inches. Install 1" x 3" wood strapping vertically at a horizontal spacing not greater than 24 inches OC. Wood strapping attached through the Insulation, the Gypsum Board and moisture barrier to the Wood Studs using fasteners specified by the manufacturer and fasteners spaced max. 24 in. OC. Acrytec Panels to be installed over the wood strapping using manufacturers approved stainless steel fasteners at a max spacing of 24 in. OC and Tremco Vulcum 116 adhesive applied in a zigzag pattern along every wood strap. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.

ACRYTEC PANEL INDUSTRIES — Nominal 5/8 inch thick Acrytec Panel.

13. Foamed Plastic* — (Optional, Not Shown - For use with Item 4Q) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. SES FOAM INC — Nexseal™ 2.0 or Nexseal™ 2.0 LE Spray Foam and Sucraseal Spray Foam. For use in Bearing and Non-Load Bearing Walls.

13A. Foamed Plastic* — (Optional, Not Shown - For use with Item 4S) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. GACO WESTERN L L C — Types GacoEZSpray F4500, GacoProFill FR6500R, Gaco 052N, GacoOnePass F1850, GacoOnePass Low GWP F1880, and Gaco WallFoam 183M.

13B. Foamed Plastic* — (Optional, Not Shown - For use with Item 4T) — Spray applied, foamed plastic insulation, at any thickness CARLISLE SPRAY FOAM INSULATION — Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

13C. Foamed Plastic* - (Optional, Not Shown - For use with Item 4U) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. BASF CORP - Types Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US , Walltite® US-N, Walltite® HP+, Spraytite® Comfort XL, and Walltite® XL

14. Foamed Plastic* — (Optional, Not Shown - For use over Gypsum Board, Item 4) - Polyisocyanurate foamed plastic boards, any thickness applied vertically with vertical joints located over studs. May be used with Molded Plastic, Item 5 or any exterior facing, as authorized by the Authority Having Jurisdiction and installed in accordance with the manufacturer's installation instructions. HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci Class A", "Xci 286", "Xci Foil (Class A)", "Xci CG", "Xci

15. Building Units* — (Optional, Not Shown - For use over Gypsum Board, Item 4) Polyisocyanurate composite foamed plastic boards, any thickness, applied vertically with vertical joints located over studs. May be used with Molded Plastic, Item 5 or any exterior facing, as authorized by the Authority Having Jurisdiction and installed in accordance with the manufacturer's installation instructions. HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci NB", "Xci Ply"

16. Building Units – (Optional Item Not Shown – For use over Gypsum Board, Item 4) 1 in., 2 in. or 3 in. thick, 4 ft. wide – Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with wafer head screws of adequate length to penetrate framing by a minimum of of 3/4 in., spaced a max 8 in. o.c. NATIONAL GYPSUM CO - Type PBC

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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ARCHITECT & INTERIOR DESIGN ARCX STUDIO

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STRUCTURAL ENGINEER ADVANTAGE GROUP ENGINEERS, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

MEP ENGINEER

513.396.8900

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

OWNER CITY GOSPEL MISSION



REVISION

DESCRIPTION

PERMIT 06-27-2023

UL DETAILS

ISSUED FOR

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

SHEET NO.

Design Criteria and Allowable Variances

Design/System/Construction/Assembly Usage Disclaimer · Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL

- Certified products, equipment, system, devices, and materials. Authorities Having Jurisdiction should be consulted before construction
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field. · When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

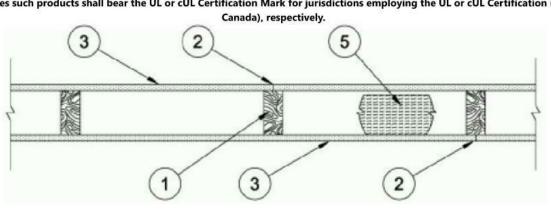
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

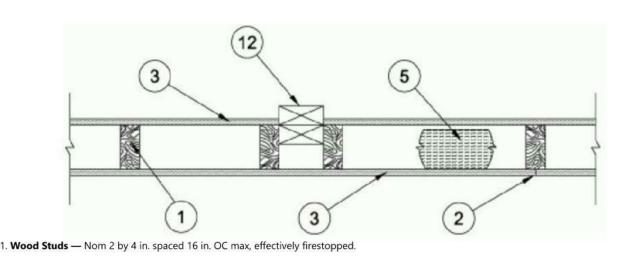
Design No. U305

Bearing Wall Rating — 1 Hr Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3J and 3L.

STC Rating - 56 (See Item 9) This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as





2. Joints and Nail-Heads — Joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.

3. Gypsum Board* — 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum

panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Items 6 through 6F, Steel Framing Members*. When Items 6, 6B, 6C, 6D, 6E, or 6F, Steel Framing Members*, are used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC

When Item 6A, Steel Framing Members*, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in, OC. Face layer attached to furring channels with 1-5/8 in, long Type S bugle-head steel screws spaced 12 in, OC. All joints in face layers staggered with joints in base layers. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 7, resilient channels are used, 5/8 in. thick, 4 ft wide gypsum panels applied vertically. Screw attached furring channels with 1 in. long, self-drilling, selftapping Type S or S-12 steel screws spaced 8 in. OC, vertical joints located midway between studs. AMERICAN GYPSUM CO — Types AGX-1(finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGX-11 (finish rating 26 min), Type AGX-12 (finish rating 22

CABOT MANUFACTURING ULC — Type X (finish rating 22 min), 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1 (finish rating 24 min)

min), Type LightRoc (finish rating 23 min.) or Type AG-C

X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Type C, Type X or Type X-1 (finish rating 26 min); Type EGRG or GlasRoc (finish rating 23 min), GlasRoc-2, Type Habito (finish

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min), Type ULIX (finish rating 20 min)

CERTAINTEED GYPSUM INC — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX (finish rating 21 min), Type CLLX (finish rating 24 min)

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type 7 DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit -Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water Rated-Type LWX (finish rating 22 min), Sheathing Type-LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated-Type DGLW (finish rating 22 min), Sheathing Type-DGLW (finish rating 22 min), Soffit-Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min)

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSW-C (fini 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSLX (finish rating 21 min), Type RSX (finish rating 26

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS, PGS-WRS (finish rating 20 min), Types PG-9 (finish rating 26 min), PG-11 PG-13 (Nails increased to 2 in.), Type PG-C or PGI (finish rating 26 min)

PANEL REY S A — Type GREX, GRIX, PRX, PRC, PRC2; Types RHX, Guard Rey, MDX, ETX (finish rating 22 min), PRX2 (finish rating 21 min)

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1 (finish rating 26 min)

THAI GYPSUM PRODUCTS PCL — Type C, Type X (finish rating 26 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SHX (finish rating 24 min), Type IP-X2 (finish min), Type SGX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULIX (finish rating 20

USG BORAL DRYWALL SFZ LLC — Type SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), SCX (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IP-AR (finish rating 24 min), Type ULX (finish rating 22 min)

A. **Gypsum Board*** — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.

AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LighttRoc (finish rating 25 min.)

CERTAINTEED GYPSUM INC — Type C, Type X, Type X-1 (finish rating 26 min), Type EGRG or GlasRoc.

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IP-X1 (f rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finis

NATIONAL GYPSUM CO — Type FSW (finish rating 24 min)

CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type FRX-G (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX, Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

3B. **Gypsum Board*** — (As an alternate to Item 3) — Nom 3/4 in. thick, installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-3/8 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A.

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

3C. Gypsum Board* — (As an alternate to Items 3, 3A and 3B) — 5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally to one side of the assembly. Installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-1/4 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A. Joint covering (Item 2) not required. CGC INC — Type SHX

UNITED STATES GYPSUM CO — Type SHX

USG MEXICO S A DE C V — Type SHX

3D. Gypsum Board* — (As an alternate to Items 3, 3A, 3B, or 3C — Not Shown) — For Direct Application to Studs Only- Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in, long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". RAY-BAR ENGINEERING CORP — Type RB-LBG (finish rating 24 min)

3E. Gypsum Board* — (As an alternate to Items 3, 3A, 3B, 3C, and 3D) — 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths of other than 48 in., gypsum boards are to be installed horizontally. GEORGIA-PACIFIC GYPSUM L L C — Type DGG (finish rating 20 min), GreenGlass Type X (finish rating 23 min)

3F. Gypsum Board* — (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) — 5/8 in. glass-mat faced with square edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC around the perimeter and in the field with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Nails shall be placed 1 inch and 3 inch from horizontal joints and 7 inch OC thereafter.

UNITED STATES GYPSUM CO — Type USGX (finish rating 22 min.)

CGC INC — Type USGX (finish rating 22 min)

USG BORAL DRYWALL SFZ LLC —, Type USGX (finish rating 22 min.)

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

panels are to be installed horizontally.

USG MEXICO S A DE C V — Type USGX (finish rating 22 min.)

3G. Gypsum Board* — (As an alternate to Items 3 through 3F) — 5/8 in. thick paper surfaced applied vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board (finish rating 27 min)

3H. Gypsum Board* — (As an alternate to Items 3) — Not to be used with items 6 or 7. 5/8 in. thick paper surfaced applied vertically only. Gypsum

panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. NATIONAL GYPSUM CO — Type SBWB 3I. Gypsum Board* — (As an alternate to Items 3 through 3H, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed

7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES (finish rating 20 min)

3J. Gypsum Board* — (As an alternate to Item 3) — 5/8 in. thick paper surfaced applied vertically or horizontally. Gypsum panels secured per item 3

CERTAINTEED GYPSUM INC — Type SilentFX 3K. Gypsum Board* — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally

or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 8 in. OC with the last screw 1 in. from the edge of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally. NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min) 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min).

3L. Gypsum Board* — (As an alternate to Item 3) — For Direct Application to Studs Only — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in, placed on the face of studs and attached to the stud with two 1 in, long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in, diam by max 0.140 in, thick, compression fitted or adhered over the screw heads. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D".

3M. Gypsum Board* — (As an alternate to Items 3) — For Direct Application to Studs Only — For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in, placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.

3N. Gypsum Board* — (As an alternate to Item 3) — 5/8 in. thick, 4 ft. wide, applied horizontally or vertically with vertical joints centered over stude and staggered one stud cavity on opposite sides of studs. Secured as described in Item 3 or 3A. CERTAINTEED GYPSUM INC — Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2 (finish rating 24 min)

3O. Wall and Partition Facings and Accessories* — (As an alternate to Item 3, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527 (finish rating 24 min).

3P. Gypsum Board* — (As an alternate to Item 3, Not Shown) — Two layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by wood studs. Horizontal joints on the same side between face and base layers need not be staggered. Base layer gypsum panels fastened to studs with 1-1/4 in. long drywall nails spaced 8 in. OC. Face layer gypsum panels fastened to studs with 1-7/8 in. long drywall nails spaced 8 in. OC starting with a 4" stagger. NATIONAL GYPSUM CO — Type FSW (finish rating 25 min)

3Q. **Gypsum Board*** — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed

CERTAINTEED GYPSUM INC — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX 3R. Gypsum Board* — (As an alternate to Item 3. For use with Item 5H) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied either horizontally or vertically, and screwed to panels with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 3/4 in. from the edges of the board when applied as the base layer. When used in widths other than 48 in., gypsum

3S. **Gypsum Board*** — 3/4 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels secured as described in Item 3 with nail length increased to 2 in. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

3T. Wall and Partition Facings and Accessories* — (As an alternate to 5/8 in. thick board as outlined in Item 3) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

3K. **Gypsum Board*** — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 8 in. OC with the last screw 1 in. from the edge of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally. NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSW-C (fini 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min).

3L. Gypsum Board* — (As an alternate to Item 3) — For Direct Application to Studs Only — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

3M. Gypsum Board* — (As an alternate to Items 3) — For Direct Application to Studs Only — For use as the base layer or as the face layer. Nom 5/8 in, thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over study and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.

3N. Gypsum Board* — (As an alternate to Item 3) — 5/8 in. thick, 4 ft. wide, applied horizontally or vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 3 or 3A. CERTAINTEED GYPSUM INC — Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2 (finish rating 24 min)

3O. Wall and Partition Facings and Accessories* — (As an alternate to Item 3, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound. ING PRODUCTS L L C. DBA PABCO GYPSUM — Type QuietRock 527 (finish rating 24 min).

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

3P. Gypsum Board* — (As an alternate to Item 3, Not Shown) — Two layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of study need not be staggered or backed by wood study. Horizontal joints on the same side between face and base layers need not be staggered. Base layer gypsum panels fastened to studs with 1-1/4 in. long drywall nails spaced 8 in. OC. Face layer gypsum panels fastened to studs with 1-7/8 in. long drywall nails spaced 8 in. OC starting with a 4" stagger. NATIONAL GYPSUM CO — Type FSW (finish rating 25 min)

3Q. Gypsum Board* — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed

CERTAINTEED GYPSUM INC — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

3R. Gypsum Board* — (As an alternate to Item 3. For use with Item 5H) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied either horizontally or vertically, and screwed to panels with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 3/4 in. from the edges of the board when applied as the base layer. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

3S. Gypsum Board* — 3/4 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels secured as described in Item 3 with nail length increased to 2 in. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field.

U S GREENFIBER L L C — INS735, INS745, INS750LD and SANCTUARY for use with wet or dry application. INS515LD, INS541LD, INS735, INS765LD, and INS773LD are to be used for dry application only

5B. Fiber, Sprayed* — (Not Shown - Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft. NU-WOOL CO INC — Cellulose Insulation

5C. Batts and Blankets* — Required for use with resilient channels, Item 7, 3 in. thick mineral wool batts, friction-fitted to fill interior of wall. HERMAFIBER INC — Type SAFB, SAFB FF

5D. Glass Fiber Insulation — (As an alternate to Item 5C) — 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified

5E. Batts and Blankets* — (Required for use with Wall and Partition Facings and Accessories, Item 3D) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BKNV) for names of manufacturers

5F. Fiber, Sprayed* — (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D) — As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied granulated mineral fiber material. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ). AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5G. Fiber, Sprayed* — (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D). — As an alternate to Batts and Blankets (Item 5) and Item 5A - Brown Colored Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed stud cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³. INTERNATIONAL CELLULOSE CORP — Celbar-RL

5H. Foamed Plastic* — (Optional -For use with Item 3R) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely SES FOAM INC — Nexseal™ 2.0 or Nexseal™ 2.0 LE Spray Foam and Sucraseal Spray Foam.

51. Fiber, Sprayed* — (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall APPLEGATE HOLDINGS L L C — Applegate Advanced Stabilized Cellulose Insulation

5J. Foamed Plastic* — (Optional, Not Shown - For use with Item 3U) — Spray applied, foamed plastic insulation, at any thickness from partial fill to GACO WESTERN L L C — Types GacoEZSpray F4500, GacoProFill FR6500R, Gaco 052N, GacoOnePass F1850, GacoOnePass Low GWP F1880, and Gaco WallFoam

5K. Foamed Plastic* — (Optional, Not Shown - For use with Item 3V) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. CARLISLE SPRAY FOAM INSULATION — Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

6. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. Steel Framing Members* — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.

6A. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members on one side of studs as described below: a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 3.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75)

REGUPOL AMERICA — Type SonusClip

PAC INTERNATIONAL L L C — Type RC-1 Boost

b. Steel Framing Members* — Used to attach furring channels (Item 6Aa) to one side of studs only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips. KINETICS NOISE CONTROL INC — Type Isomax

6B. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring

b. Steel Framing Members* — Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 3.

b. Steel Framing Members* — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 2 in.

coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips. STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R 6D. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in

6C. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

attached to furring channels as described in Item 3. b. Steel Framing Members* — Used to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

Item b. Ends of adjoining channels overlapped 6 in. and secured in place with a double strand of No. 18 AWG twisted steel wire. Gypsum board

6E. Steel Framing Members* — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below: a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 3.

b. Steel Framing Members* — Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw. KEENE BUILDING PRODUCTS CO INC - Type RC+ Assurance Clip

6F. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. Steel Framing Members* — Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

6G. Steel Framing Members* — (Optional, Not Shown) — Used as an alternate method to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 16 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the accessory manufacturer's installation instructions.

'. Furring Channel — Optional — Not Shown — For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, lange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient

8. Caulking and Sealants — (Not Shown, Optional) — A bead of acoustical sealant applied around the partition perimeter for sound control.

9. STC Rating — The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 6, except: A. Item 2, above — Nailheads Shall be covered with joint compound.

NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

B. Item 2, above — Joints As described, shall be covered with fiber tape and joint compound.

C. Item 5, above — Batts and Blankets* The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide.

D. Item 6, above — Steel Framing Members* Type RSIC-1 clips shall be used to attach gypsum board to studs on either side of the wall

E. Item 8, above — Caulking and Sealants (Not Shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound

F. Steel Corner Fasteners (Item 4), Fiber, Sprayed (Items 5A and 5B) and Steel Framing Members (Item 6A), not evaluated as alternatives for

Wall and Partition Facings and Accessories* — (Optional, Not Shown) — Nominal 1/2 in, thick, 4 ft wide panels, for optional use as an

dditional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or

QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to

be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510 1. Cementitious Backer Units* — (Optional Item Not Shown — For Use On Face Of 1 Hr Systems With All Standard Items Required) - 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and

12. Non-Bearing Wall Partition Intersection — (Optional) —Two nominal 2 by 4 in, studs or nominal 2 by 6 in, studs nailed together with two 3 in. long 10d nails spaced a max. 16 in. OC. vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Maximum one non-bearing wall partition

runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4

in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall. 13. Mesh Netting — (Not Shown) — Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of one row of studs to facilitate the installation of the sprayed fiber from the opposite row.

14. Mineral and Fiber Board* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with 2 in. long Type W steel screws, spaced 12 in. OC. The required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. HOMASOTE CO — Homasote Type 440-32

14A. Mineral and Fiber Board* — (Optional, Not Shown) — For use with Items 14B-14E) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with minimum 1-3/8 in. long ring shanked nails or 1-1/4 in. long Type W steel screws, spaced 12 in. OC along board edges and 24 in. OC in field of board along intermediate framing. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. HOMASOTE CO — Homasote Type 440-32

14B. Glass Fiber Insulation — (For use with Item 14A) — 3-1/2 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) categories for names of Classified companies.

14C. Batts and Blankets* — (As an alternate to Item 14B, For use with Item 14A), 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 3-1/2 in. face of the studs with staples placed 24 in. OC. THERMAFIBER INC — Type SAFB, SAFB FF

14D. Adhesive — (For use with Item 14A) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 14A).

14E. Gypsum Board* — (For use with Item 14A) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 14A) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 14A). Secured to outermost studs and bearing plates with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. Finish Rating 30 Min. AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC - Type C

CGC INC — Types C, IP-X2, IPC-AR

PANEL REY S A - Type PRC

CERTAINTEED GYPSUM INC — Type LGFC-C/A

NATIONAL GYPSUM CO — Types FSK-C, FSW-C

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

THAI GYPSUM PRODUCTS PCL - Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR

BLUE RIDGE FIBERBOARD INC — SoundStop

14F. Mineral and Fiber Board — (Optional, Not Shown) — For optional use as an additional layer on one side of wall - Nom 1/2 in. thick, 4 ft wide, square edge fiber boards applied vertically to studs on one side of the wall in between the wood studs and the UL Classified Gypsum Board (Item 3). Fiber boards installed with 1-1/4 in. long, Type W, bugle head, coarse thread gypsum board screws spaced 12 in. OC max, with the last screws spaced 2 in. and 6 in. from edge of board. Gypsum board (Item 3) installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively. Last Updated on 2021-07-29

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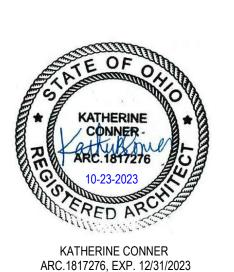
HTCTC - 127-129 GOETHE

127-129 GOETHE ST CINCINNATI, 45202

RENOVATION

ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION



REVISION

DESCRIPTION

ISSUED FOR 06-27-2023

UL DETAILS

SHEET NO.

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

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>

- ROOF LOAD:
- A. MINIMUM LIVE LOAD OR SNOW LOAD: 20 PSF*

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

B. DEAD LOAD = 20 PSF IN ADDITION TO STRUCTURE SELF WEIGHT

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, $I_s = 1.0$
- E. 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 WEIGHT

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).

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. C. GUARDRAILS:
- 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

- 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 PROPOSED SUBSTITUTION.
- B. SPECIFIC DRAWING OR SPECIFICATION REFERENCES FOR THE
- ORIGINAL PRODUCT OR SYSTEM SPECIFIED. C. THE REASON FOR THE PROPOSED CHANGE.

REJECTED WITHOUT REVIEW.

- D. COST SAVINGS AND/OR IMPACT ON THE SCHEDULE E. IMPACT ON ANY GUARANTEES OR WARRANTIES ASSOCIATED WITH THE
- PRODUCT OR SYSTEM. F. COORDINATION REQUIRED WITH OTHER TRADES OR ADJACENT

CONTRACTOR IN A TIMELY MANNER TO PROVIDE AN ADEQUATE AMOUNT

CLEAR EVIDENCE THAT THE SUBMITTAL HAS BEEN REVIEWED WILL BE

- MATERIALS. G. ANY AND ALL DEVIATIONS FROM THE SPECIFIED REQUIREMENTS.
- 2. SHOP DRAWING SUBMITTALS SHALL BE SUBMITTED BY THE GENERAL
- OF TIME FOR REVIEW. A. ALL SUBMITTALS MUST BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING FOR REVIEW. ANY SHOP DRAWINGS RECEIVED DO NOT BEAR THE STAMP OF THE GENERAL CONTRACTOR AS WELL AS
- 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
- 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 NOT APPROVED IN WRITING BY THE OWNER AND ENGINEER.
- 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**
- 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.

COMPACTION:

- A. ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL CONSULTANT.
- B. ENGINEERED FILL BENEATH FOOTINGS: MINIMUM COMPACTION 98% STANDARD PROCTOR DENSITY AT THE OPTIMUM MOISTURE CONTENT.
- 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
- 2. 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
- 5. SUBMIT SHOP DRAWINGS OF REINFORCING STEEL
- 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.

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

- 8. SLUMP SHALL BE MEASURED PRIOR TO THE ADDITION OF HRWR.
- 9. LAP SPLICE REINFORCING BARS 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.
- 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

- 1. 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.
- 3. 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 13/4" LONG (MIN 3/8" HEAD)
- B. 8d NAILS ARE 0.131"Ø x 21/2" LONG
- C. 10d NAILS ARE 0.148"Ø x 3" LONG D. 16d NAILS ARE 0.162"Ø x 31/2" 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 11/2" OR 13/4" MEMBER, 11/2" 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.
- 6. 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

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
- 3. ALL FLOOR OR ROOF BEAMS SHALL BE FABRICATED WITH THE NATURAL
- 4. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING

SOCIETY (AWS D1.1). 5. MATERIALS:

ENGINEER.

- A. ROLLED WIDE FLANGE SHAPES UNLESS NOTED: ASTM A992 DUAL
- GRADE, $F_v = 50$ KSI. 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.



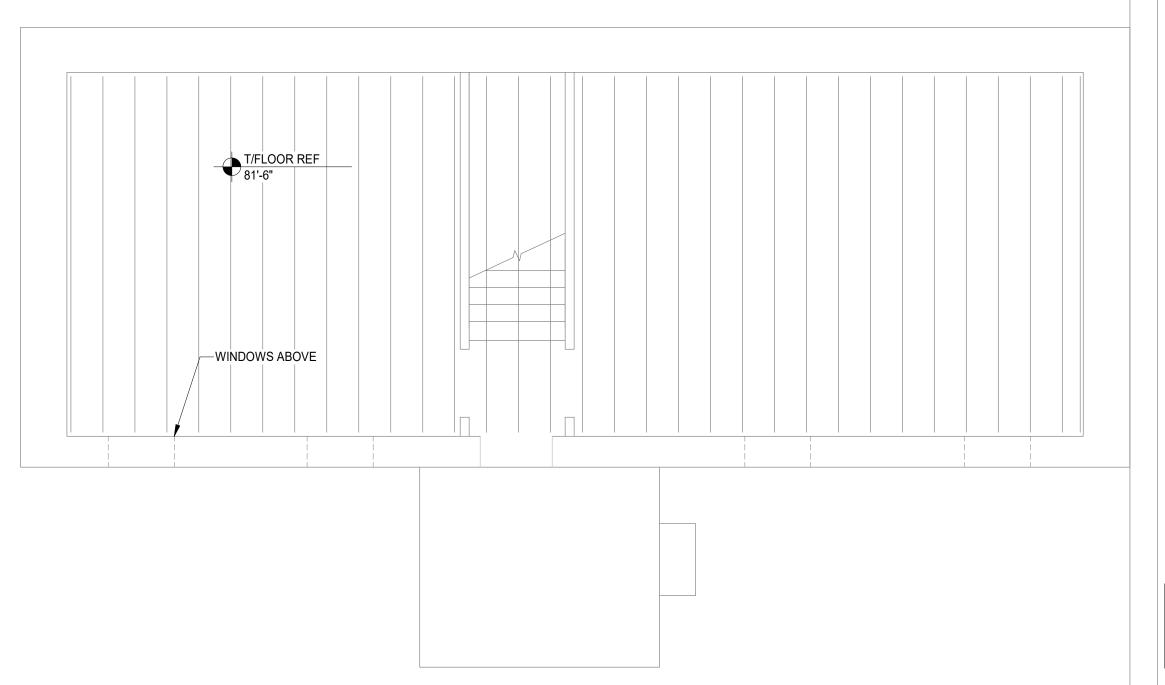


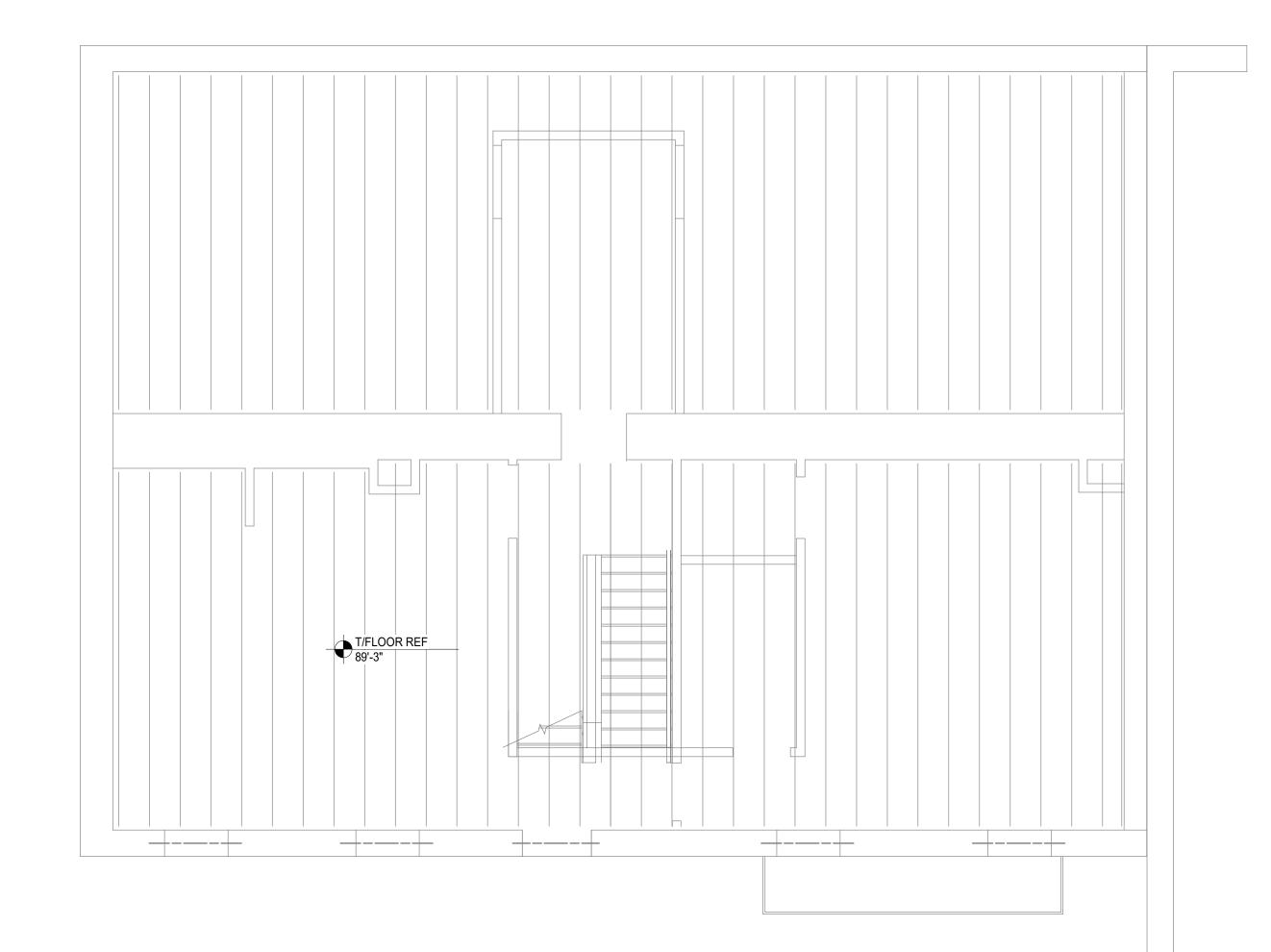
Revision/Submission Date 06-27-2023

Project Number: 23192.02

Design Team: STH / SJ

GENERAL STRUCTURAL NOTES





NO SIGNIFICANT STRUCTURAL WORK THIS SHEET FRAMING SHOWN FOR INFORMATION/REFERENCE OF OTHER TRADES AND DISCIPLINES

SUB BASEMENT PLAN SCALE 1/4" = 1'-0"





PLAN NOTES:

- 1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- REMOVE DAMAGED OR SATURATED SHEATHING AND REPLACE WITH NEW APA RATED SHEATHING. REPLACE DAMAGED, SATURATED OR DETERIORATED JOISTS WITH NEW JOISTS OF THE SAME SIZE.
- 3. LUMBER AT 1ST FLOOR AND BASEMENT SHALL BE PRESSURE TREATED.
- 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 BOTTOM EACH 4" WYTHE, OR AN L4x3-1/2x5/16" LINTEL LLV, EACH WYTHE.
- SEE STRUCTURAL ELEVATION DRAWINGS FOR EXTERIOR BRICK REPAIR AND TUCKPOINTING.
- 6. REPAIR AND TUCKPOINT INTERIOR MASONRY PER THE GENERAL NOTES.
- 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" FASTEN MASTER LEDGER LOK.
- 9. FASTEN SISTERS WITH 1/4"x3" SWS @ 24"o.c. STAGGERED UNLESS NOTED OTHERWISE.

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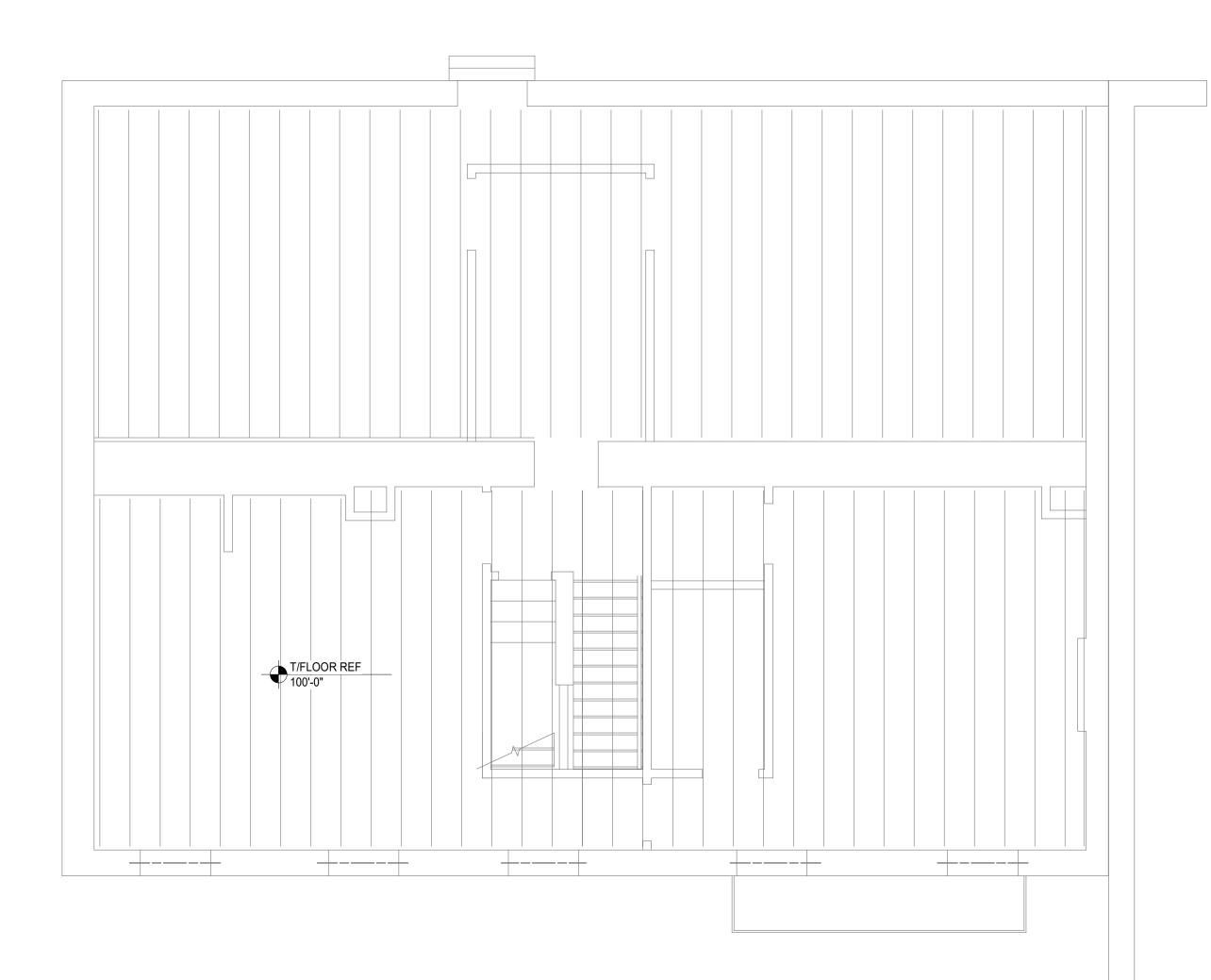
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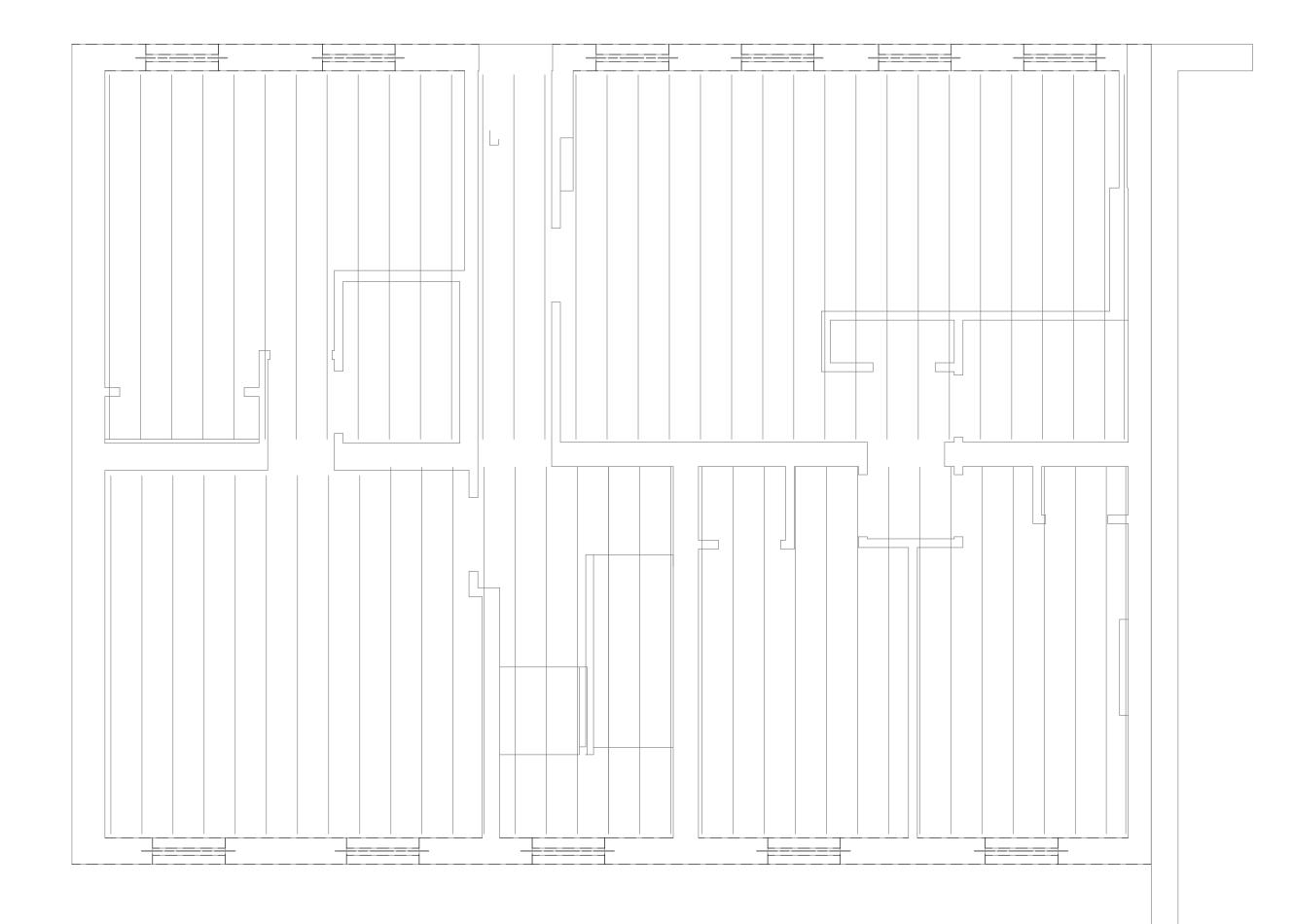


Revision/Submission Date 06-27-2023

Project Number: 23192.02 Design Team: STH / SJ

FOUNDATION PLANS





1ST FLOOR FRAMING PLAN

SCALE 1/4" = 1'-0"

NO SIGNIFICANT STRUCTURAL WORK THIS SHEET FRAMING SHOWN FOR INFORMATION/REFERENCE OF OTHER TRADES AND DISCIPLINES

2ND FLOOR FRAMING PLAN
SCALE 1/4" = 1'-0"

PLAN NOTES:

- COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- REMOVE DAMAGED OR SATURATED SHEATHING AND REPLACE WITH NEW APA RATED SHEATHING. REPLACE DAMAGED, SATURATED OR DETERIORATED JOISTS WITH NEW JOISTS OF THE SAME SIZE.
- 3. LUMBER AT 1ST FLOOR AND BASEMENT SHALL BE PRESSURE TREATED.
- 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 BOTTOM EACH 4" WYTHE, OR AN L4x3-1/2x5/16" LINTEL LLV, EACH WYTHE.
- 5. SEE STRUCTURAL ELEVATION DRAWINGS FOR EXTERIOR BRICK REPAIR AND
- 6. REPAIR AND TUCKPOINT INTERIOR MASONRY PER THE GENERAL NOTES.
- 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" FASTEN MASTER LEDGER LOK.
- 9. FASTEN SISTERS WITH 1/4"x3" SWS @ 24"o.c. STAGGERED UNLESS NOTED OTHERWISE.



PREPARED FOR: ArcX Studio
127-129 GOETHE STREET
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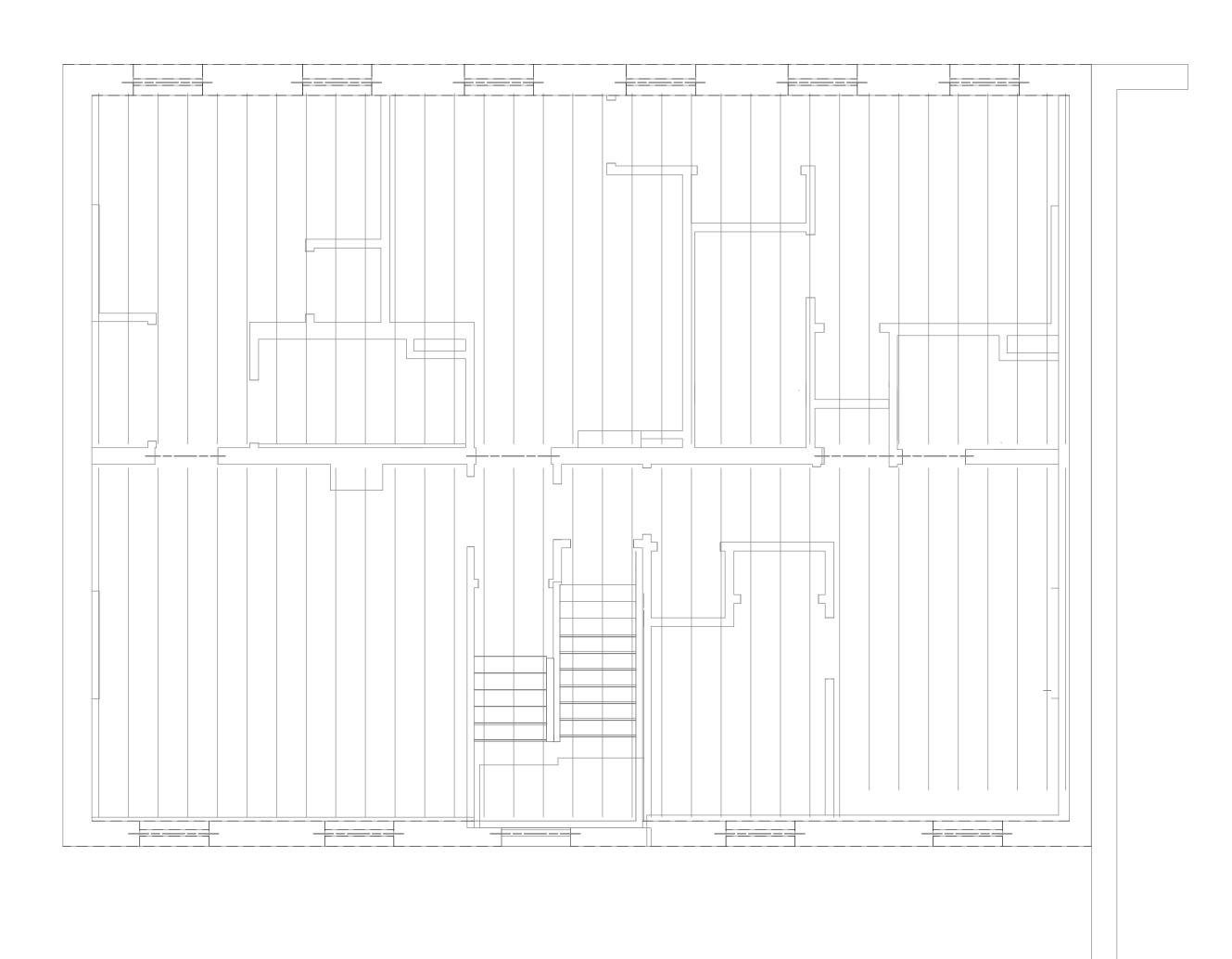
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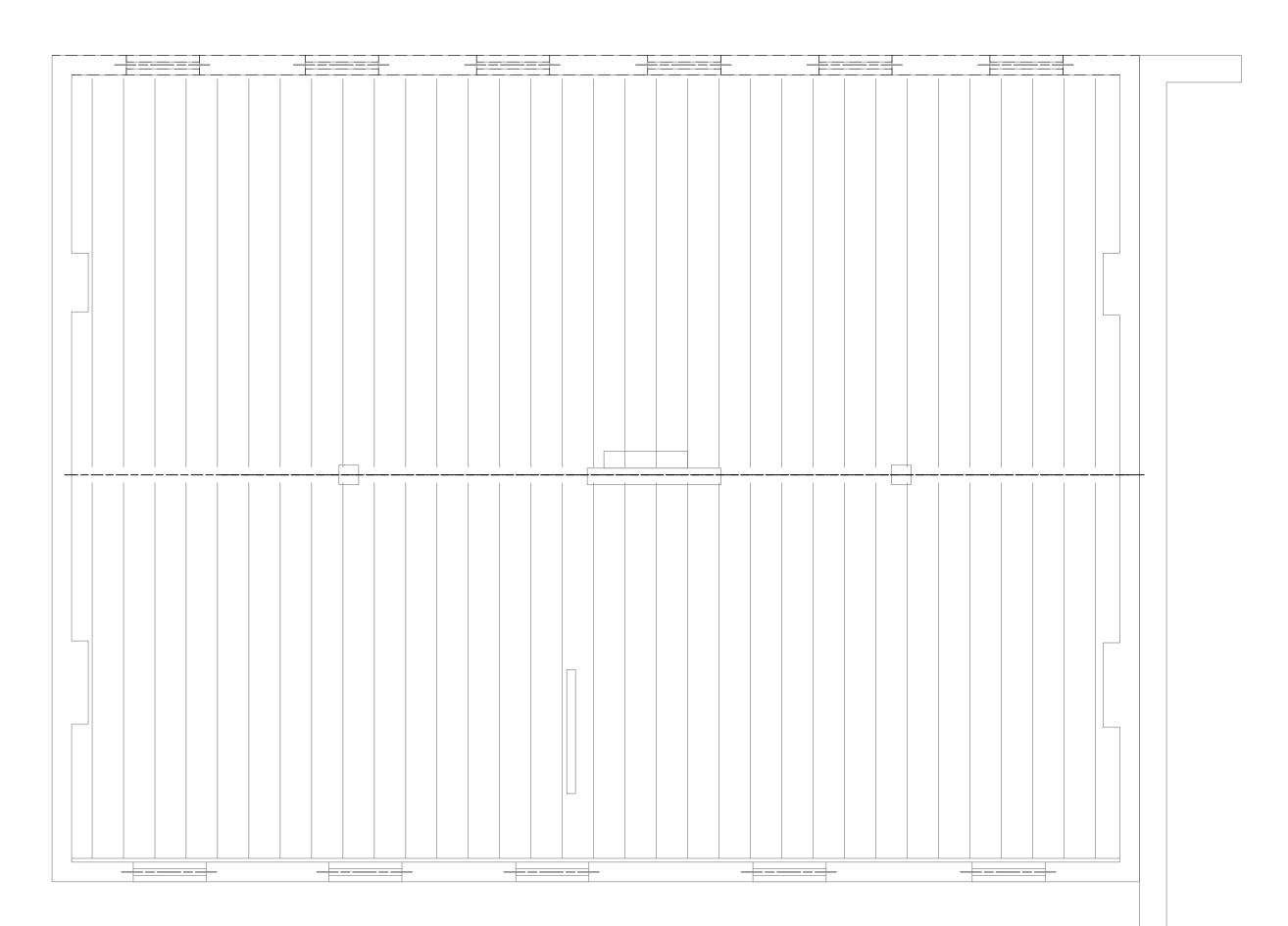
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PERMIT	06-27-2023

Project Number: 23192.02 Design Team: STH / SJ

FLOOR FRAMING PLANS

S110





3RD FLOOR FRAMING PLAN SCALE 1/4" = 1'-0"



NO SIGNIFICANT STRUCTURAL WORK THIS SHEET FRAMING SHOWN FOR INFORMATION/REFERENCE OF OTHER TRADES AND DISCIPLINES

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

PLAN NOTES:

- 1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL
- 2. REMOVE DAMAGED OR SATURATED SHEATHING AND REPLACE WITH NEW APA RATED SHEATHING. REPLACE DAMAGED, SATURATED OR DETERIORATED JOISTS WITH NEW JOISTS OF THE SAME SIZE.
- 3. LUMBER AT 1ST FLOOR AND BASEMENT SHALL BE PRESSURE TREATED.
- 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 BOTTOM EACH 4" WYTHE, OR AN L4x3-1/2x5/16" LINTEL LLV, EACH WYTHE.
- 5. SEE STRUCTURAL ELEVATION DRAWINGS FOR EXTERIOR BRICK REPAIR AND TUCKPOINTING.
- 6. REPAIR AND TUCKPOINT INTERIOR MASONRY PER THE GENERAL NOTES.
- 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" FASTEN MASTER LEDGER LOK.
- 9. FASTEN SISTERS WITH 1/4"x3" SWS @ 24"o.c. STAGGERED UNLESS NOTED OTHERWISE.

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Revision/Submission Date PERMIT 06-27-2023

Project Number: 23192.02 Design Team: STH / SJ

FRAMING PLANS

GENERAL DEMOLITION NOTES

ARCHITECTURAL

1. PATCH ALL FLOOR, CEILING AND WALL SURFACES AS WELL AS ALL ADJACENT SURFACES EFFECTED BY DEMOLITION WITH SIMILAR MATERIALS AS NECESSARY TO ACHIEVE UNIFORM, NEW APPEARANCE (I.E. GWB PERIMETER WALLS, DEMISING WALLS, CORE ETC.) PATCHES SHALL BE IMPERCEPTIBLE. WHERE WALLS ARE DEMOLISHED AND ACOUSTIC CEILING GRIDS / TILES ARE PATCHED, PATCHING IS TO BE IMPERCEPTIBLE WITH NO GAPS.

2. IN ALL AREAS WHERE DEMOLITION (REMOVAL OF PARTITIONS, ETC.) CAUSES UNEVENNESS IN THE FLOOR, THE CONTRACTOR SHALL PATCH TO LEVEL THE FLOOR TO RECEIVE FINISHED FLOORING. PATCH & SAND WALLS WITHIN 1" OF FLOORING WHERE BASEBOARD IS REMOVED TO ACHIEVE SMOOTH FINISH PRIOR TO PAINTING / INSTALLING NEW BASEBOARDS.

3. REMOVAL OF EXISTING PARTITIONS, INCLUDING DOORS, FRAMES, AND THERMOSTATS, ELECTRICAL WITHIN PARTITIONS SHALL BE REMOVED AS INDICATED ON THE DRAWINGS.

4. CONDUCT DEMOLITION OPERATION AND THE REMOVAL OF DEBRIS AND EQUIPMENT TO ENSURE MINIMUM INTERFERENCE WITH EXISTING BUSINESS OPERATION. CONSULT WITH BUILDING OWNER FOR ANY RULES AND REGULATIONS REGARDING HOURS, DUMPSTERS AND REMOVAL. ENSURE PROTECTION OF PERSONS AROUND THE DEMOLITION AREA.

5. DEBRIS RESULTING FROM THE DEMOLITION AND CONSTRUCTION SHALL BE REMOVED FROM THE BUILDING SITE ON A WEEKLY BASIS.

6. CLEAN ADJACENT WORK OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CLEAN CONDITION (SIMILAR TO PRIOR DEMOLITION) AFTER COMPLETION.

7. EACH SPECIFIC ITEM OF CUTTING, PATCHING OR FITTING IS NOT NECESSARILY DESCRIBED INDIVIDUALLY HEREIN. ABSENCE OF SPECIFIC INSTRUCTION FOR CUTTING, PATCHING OR FITTING SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO PERFORM AS REQUIRED COMPLETING THE WORK.

8. FURNITURE AND APPLIANCES WITHIN THE SCOPE OF WORK AREA IS TO BE REMOVED BY OWNER PRIOR TO START OF DEMOLITION / CONSTRUCTION.

RETAIN ALL OF THE FOLLOWING, UNLESS SPECIFICALLY NOTED

OTHERWISE. ALL HISTORIC ELEMENTS TO REMAIN ARE TO BE PROTECTED DURING DEMOLITION / CONSTRUCTION ACTIVITY. A. HISTORIC MASONRY & STONE.

-VERIFY CONDITION OF EXISTING LINTELS. WHERE STONE LINTELS APPEAR TO BE CRACKED AND / OR DAMAGED, NOTIFY ARCHITECT & STRUCTURAL ENGINEER. REFER TO NEW WORK PLANS FOR MASONRY REPAIR WORK.

B. HISTORIC EXTERIOR ORNAMENT - CORNICES, FRIEZES, BRACKETS, ETC. REFER TO NEW WORK PLANS FOR REPAIR

C. GUTTERS & DOWNSPOUTS. REMOVE DEBRIS & CLEAN.

D. RETAIN ALL INTERIOR WAINSCOTING AT CORRIDORS, STAIRS, AND WITHIN UNITS WHERE APPLICABLE.

E. RETAIN INTERIOR WINDOW TRIM / SILLS. F. STAIR RAILINGS / SPINDLES / HANDRAILS.

G. ROOFING SYSTEM.

MECHANICAL (REFER TO MECH FOR MORE INFORMATION)

1. DEMOLISH EXISTING HOT WATER BOILER SYSTEMS COMPLETE WHERE APPLICABLE INCLUDING ALL BOILERS, PUMPS, PIPING, VALVES, INSULATION, RADIATORS, CONTROLS/CONTROLS WIRING, ETC. COORDINATE PATCH/PAINT OF EXISTING STRUCTURE WITH GENERAL CONTRACTOR WHERE REQUIRED. COORDINATE ALL PLUMBING AND ELECTRICAL SCOPE ASSOCIATED WITH REMOVAL IN FIELD WITH OTHER TRADES. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED

2. MECHANICAL CONTRACTOR TO REPLACE EXISTING CONDENSING UNITS AND AIR HANDLING UNITS CONDITIONING 127-129 GOETHE WITH ONE TO ONE REPLACEMENT HEAT PUMPS AND BLOWERS CONTAINING HEAT KITS. COORDINATE NEW PLUMBING AND ELECTRICAL REQUIREMENTS AND CONNECTIONS WITH CONTRACTORS AS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. COORDINATE ANY PAINT/PATCH DUE TO EQUIPMENT REPLACEMENT WITH GENERAL CONTRACTOR. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED EQUIPMENT & MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

3. MECHANICAL CONTRACTOR TO REMOVE ALL WINDOW A/C UNITS COMPLETE WHERE APPLICABLE. COORDINATE PAINT/PATCH WITH THE GENERAL CONTRACTOR AS REQUIRED. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED EQUIPMENT & MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

4. CONTRACTORS RESPONSIBLE FOR THE LEGAL AND ETHICAL DISPOSAL OF ALL NORMAL AND LISTED MATERIALS, LIQUIDS, AND GASES AS PART OF PROJECT. REFER TO ALL LOCAL, STATE, AND FEDERAL REGULATORY GUIDELINES FOR DISPOSAL REQUIREMENTS.

PLUMBING (REFER TO PLUMB FOR MORE INFORMATION)

1. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT.

2. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

3. PLUMBING SYSTEMS SERVING EXISTING TO REMAIN PLUMBING FIXTURES AS IDENTIFIED ON ARCHITECTURAL DEMOLITION SHEET SHALL REMAIN INTACT AND IN GOOD WORKING ORDER.

4. AT ALL LOCATIONS WHERE PLUMBING FIXTURES ARE TO BE REMOVED, PLUMBING SUBCONTRACTOR SHALL REMOVE PIPING (WATER, WASTE, VENT) TO A POINT BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING FIXTURE TO BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED AND RECONNECTED AS REQUIRED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.

5. WHERE EXISTING WALLS ARE REMOVED AND PIPING IS FOUND THAT MUST REMAIN. PLUMBING SUBCONTRACTOR SHALL REROUTE AND RECONNECT PIPING AS REQUIRED TO INSURE EXISTING FIXTURES REMAIN OPERATIONAL.

7. COORDINATE ALL REMOVED PLUMBING FIXTURES WITH G.C

6. ALL PLUMBING ITEMS FOUND TO NO LONGER SERVE ANY PURPOSE SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

FOR RELOCATION OR FUTURE USE. 8. ALL CUTTING AND PATCHING FOR REMOVAL, REMODELING OR

INSTALLATION OF NEW PLUMBING WORK SHALL BE DONE BY PLUMBING CONTRACTOR.

9. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION WORK. COORDINATE WITH SAME.

SPECIFIC PLUMBING NOTES

1. EXISTING PLUMBING FIXTURES TO BE REMOVED IN UNIT BATHROOMS 4 AND 6. CONTRACTOR TO SALVAGE/PRESERVE EXISTING WASTE AND VENT PIPING FOR NEW FIXTURE INSTALLATION. DOMESTIC WATER SUPPLIES TO EXISTING FIXTURES ARE TO BE CUT AND CAPPED BACK TO SUPPLY.

ELECTRICAL (REFER TO ELEC FOR MORE INFORMATION)

1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING BUILDING CONDITIONS PRIOR TO ANY DEMOLITION/NEW WORK PERFORMED. COORDINATE ALL WORK WITH OTHER BUILDING TRADES, REPORT ANY MAJOR DISCREPANCIES TO ENGINEER PRIOR TO BEGINNING WORK. ACTUAL DEMOLITION AMOUNT SHALL BE BASED ON FIELD VISIT BY CONTRACTOR.

2. ALL NECESSARY SHUT DOWN OF POWER MUST BE SCHEDULED SO AS NOT TO DISTURB OPERATION.

3. CONTRACTOR SHALL RETURN ALL DEMOLITION EQUIPMENT TO OWNER'S REPRESENTATIVE FOR SALVAGE OR REMOVE FROM PREMISES AT OWNERS OPTION.

4. CONTRACTOR SHALL DISCONNECT ALL POWER AND LOW VOLTAGE WIRING FROM EQUIPMENT BEING REMOVED BY OTHER

5. REMOVE ALL ELIMINATED CONDUIT AND WIRE FROM PROJECT AREA. PROVIDE FIRE STOPPING WHERE REQUIRED. ALL ABANDONED CONDUIT, AND DEVICES ENCASED IN CONCRETE SHALL BE CUT BACK FLUSH WITH SLAB. PATCH CONCRETE LEVEL WITH EXISTING SLAB.

6. ALL CIRCUITS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION. ALL EXISTING CIRCUITS TO ITEMS TO REMAIN IN SERVICE SHALL BE MAINTAINED. ALL RELOCATING AND REROUTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

7. PRIOR TO DEMOLITION, FIELD VERIFY EXACT SIZE AND ROUTING OF ALL EXISTING WIRING TO BE ENCOUNTERED. CONTRACTOR SHALL REMOVE ALL ABANDONED OR UNUSED WIRING WITHIN HIS SCOPE OF WORK AND TERMINATE PROPERLY. ANY ACTIVE WIRING DISTURBED BY THIS WORK SHALL BE RECONNECTED PRIOR TO PROJECT CLOSEOUT.

8. ALL EQUIPMENT AND RECEPTACLE CIRCUITS BEING ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE UNLESS OTHERWISE NOTED.

9. ALL LIGHTING CIRCUITS ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE. RETAIN ALL FIXTURES FOR USE IN EXPANSION AREAS OR DISPOSAL BY OWNER.

SPECIFIC ELECTRICAL NOTES

1. REMOVE ALL EXTERIOR SERVICE EQUIPMENT (WEATHER HEAD, INSULATED KNOB, SERVICE CONDUITS/WIRING, & ASSOCIATED STRAPPING). COORDINATE ALL ASSOCIATED WORK WITH DUKE ENERGY PRIOR TO CONSTRUCTION.

2. REMOVE EXISTING ELECTRICAL EQUIPMENT IN BASEMENT (METER CENTER, HOUSE PANEL, AND THE SECOND LEVEL APARTMENT PANELS. FIRST LEVEL APT PANELS ARE TO REMAIN IN BASEMENT AND ARE RE-FED FROM THE NEW EQUIPMENT), AND PREPARE SPACE FOR NEW ELECTRICAL EQUIPMENT. SEE POWER SHEETS FOR MORE INFORMATION.

3. REMOVE ALL BRANCH CIRCUIT WIRING, JUNCTION BOXES, DEVICES, AND COVER PLATES FOR THE APARTMENT UNITS BEING RENOVATED (ON LEVEL 2) AND PREPARE FOR RENOVATIONS.

513.832.1302 STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

ARCX STUDIO

FIRM.18314012

513.396.8900

859.261.0585

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

ARCHITECT & INTERIOR DESIGN

1616 VINE STREET, CINCINNATI, OH 45202

MEP ENGINEER

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

OWNER CITY GOSPEL MISSION



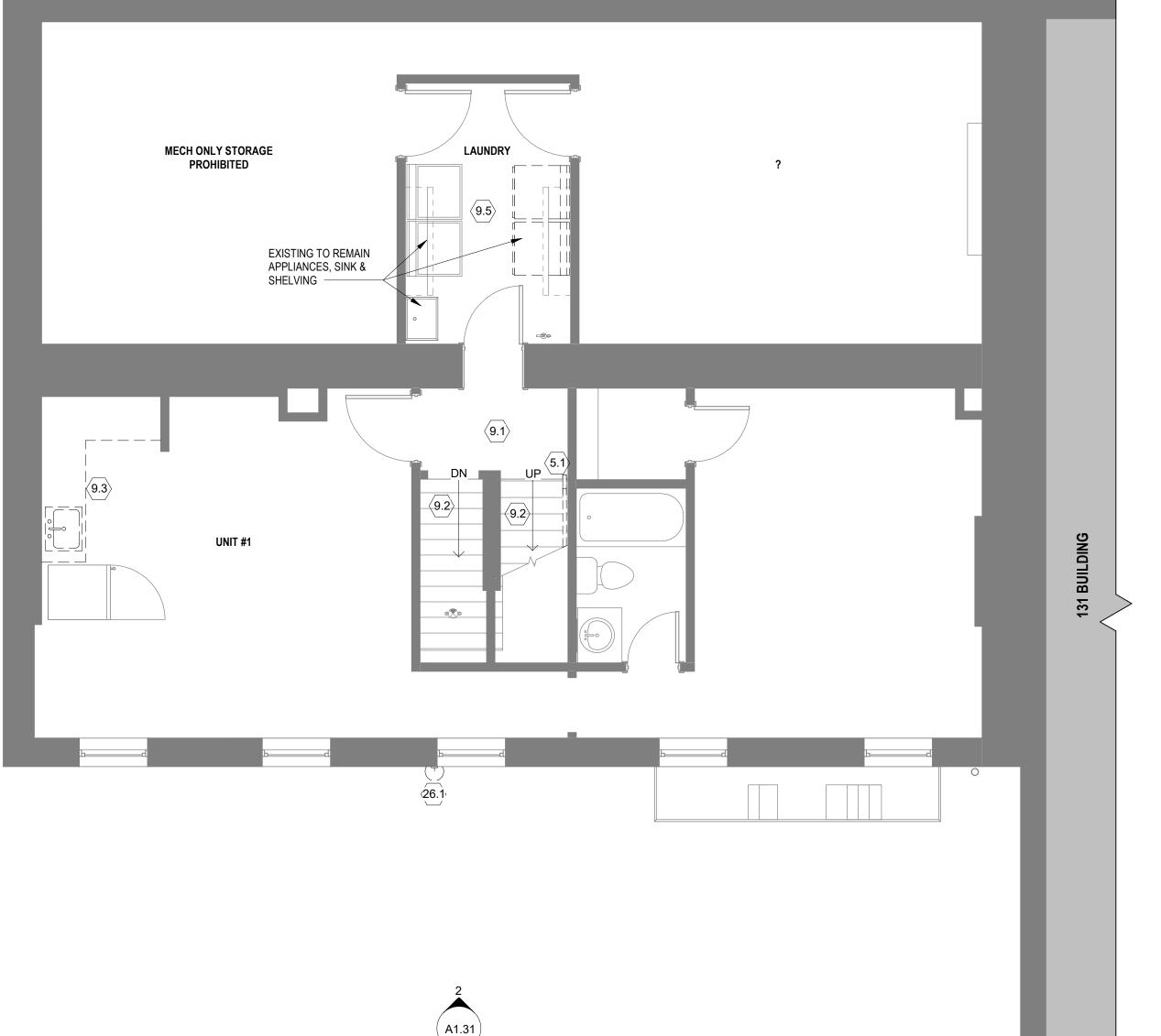
KATHERINE CONNER ARC.1817276, EXP. 12/31/2023

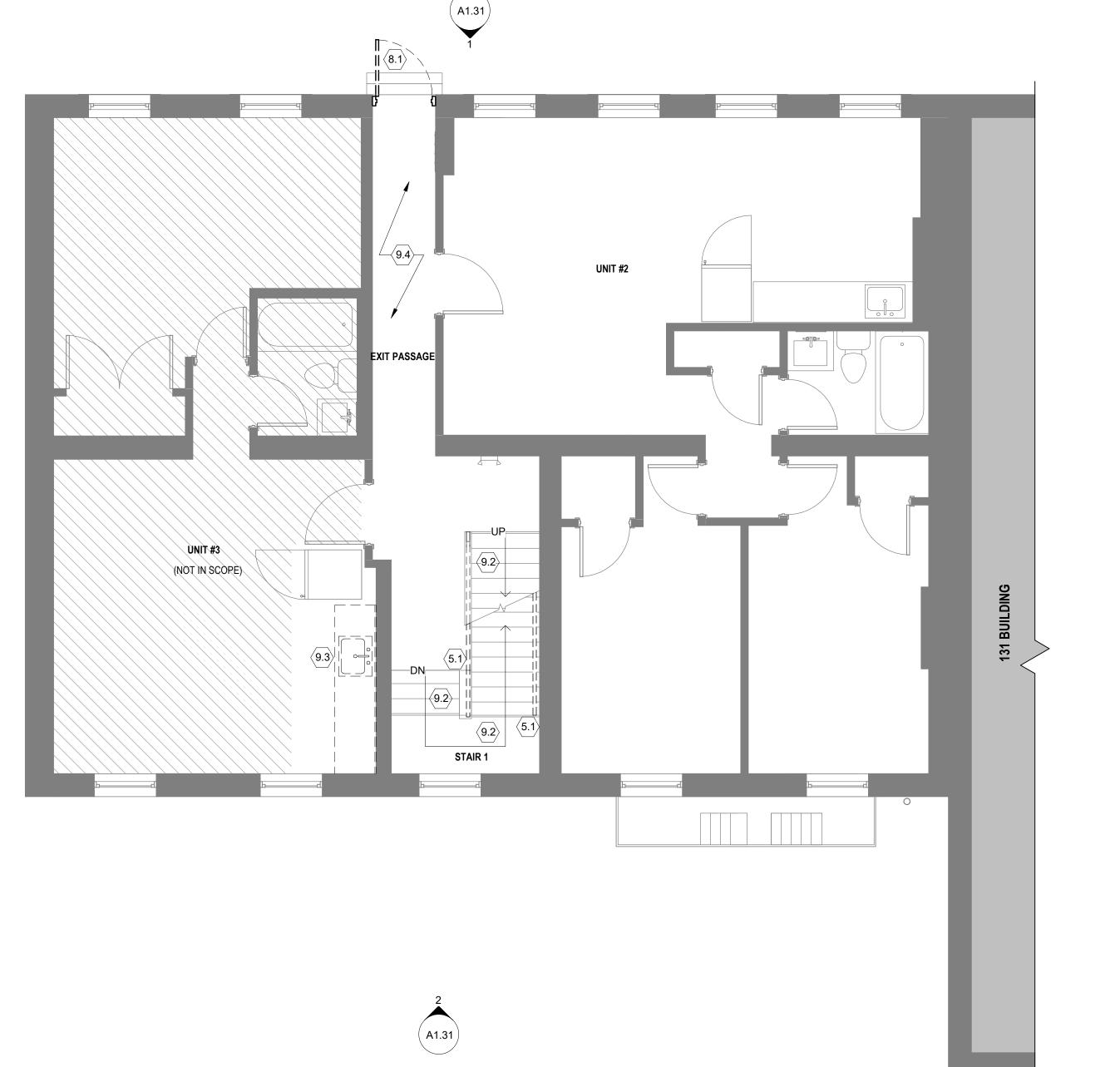
DEMOLITION KEYNOTES

- REMOVE RAILINGS AND PREPARE FOR NEW.
- REMOVE DOOR & FRAME. PREPARE FOR NEW OPENING. REMOVE WINDOW, FRAME, LOUVER AND GROUT BACK TO
- REMOVE DOOR, FRAME & HARDWARE. REMOVE FINISH FLOORING DOWN TO SUBFLOOR. PREPARE FOR
- NEW FINISH. REMOVE FINISH FLOORING & NOSING.
- OWNER TO REMOVE COUNTERTOP, SINK AND FAUCET AHEAD OF CONTRACTOR INSTALLATION OF NEW COUNTERTOPS, SINK &
- 9.4 REMOVE FINISH FLOORING DOWN TO SUBFLOOR. PREPARE FOR
- PREP CONCRETE FLOORING TO RECEIVE NEW FLOOR FINISH. 9.6 REMOVE CABINETRY, SINK, FAUCET. SALVAGE APPLIANCES TO
- OWNER UPON REQUEST.
- 26.2 RMOVE SURFACE MOUNTED CONDUIT. REFEED LIGHTING WITH

- REMOVE WALLS AS INDICATED BY DASHED LINES. REMOVE SECOND FLOOR GYP BD / PLASTER CEILING AND ALL
- ASSOCIATED DEVICES / FIXTURES. MASONRY OPENING. PREPARE FOR NEW WINDOW / LOUVER.

- 22.1 REMOVE PLUMBING FIXTURES, CABINETRY, AND ACCESSORIES.
- 26.1 REMOVE LIGHT FIXTURE CIRCUIT ROUTED WITHIN BUILDING. REMOVE WALL BRACKETS AND PATCH MASONRY.





ISSUED FOR

REVISION

DESCRIPTION

DATE

PERMIT 06-27-2023 SHEET NAME

DEMOLITION PLANS

SHEET NO.

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

2 DEMOLITION PLAN_BASEMENT
1/4" = 1'-0"

A1.31 3

DEMOLITION PLAN_LEVEL 1
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

ARCHITECTURAL

1. PATCH ALL FLOOR, CEILING AND WALL SURFACES AS WELL AS ALL ADJACENT SURFACES EFFECTED BY DEMOLITION WITH SIMILAR MATERIALS AS NECESSARY TO ACHIEVE UNIFORM, NEW APPEARANCE (I.E. GWB PERIMETER WALLS, DEMISING WALLS, CORE ETC.) PATCHES SHALL BE IMPERCEPTIBLE. WHERE WALLS ARE DEMOLISHED AND ACOUSTIC CEILING GRIDS / TILES ARE PATCHED, PATCHING IS TO BE IMPERCEPTIBLE WITH NO GAPS.

2. IN ALL AREAS WHERE DEMOLITION (REMOVAL OF PARTITIONS, ETC.) CAUSES UNEVENNESS IN THE FLOOR, THE CONTRACTOR SHALL PATCH TO LEVEL THE FLOOR TO RECEIVE FINISHED FLOORING. PATCH & SAND WALLS WITHIN 1" OF FLOORING WHERE BASEBOARD IS REMOVED TO ACHIEVE SMOOTH FINISH PRIOR TO PAINTING / INSTALLING NEW BASEBOARDS.

3. REMOVAL OF EXISTING PARTITIONS, INCLUDING DOORS, FRAMES, AND THERMOSTATS, ELECTRICAL WITHIN PARTITIONS SHALL BE REMOVED AS INDICATED ON THE DRAWINGS.

4. CONDUCT DEMOLITION OPERATION AND THE REMOVAL OF DEBRIS AND EQUIPMENT TO ENSURE MINIMUM INTERFERENCE WITH EXISTING BUSINESS OPERATION. CONSULT WITH BUILDING OWNER FOR ANY RULES AND REGULATIONS REGARDING HOURS, DUMPSTERS AND REMOVAL. ENSURE PROTECTION OF PERSONS AROUND THE DEMOLITION AREA.

5. DEBRIS RESULTING FROM THE DEMOLITION AND CONSTRUCTION SHALL BE REMOVED FROM THE BUILDING SITE ON A WEEKLY BASIS.

6. CLEAN ADJACENT WORK OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CLEAN CONDITION (SIMILAR TO PRIOR DEMOLITION) AFTER COMPLETION.

7. EACH SPECIFIC ITEM OF CUTTING, PATCHING OR FITTING IS NOT NECESSARILY DESCRIBED INDIVIDUALLY HEREIN. ABSENCE OF SPECIFIC INSTRUCTION FOR CUTTING, PATCHING OR FITTING SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO PERFORM AS REQUIRED COMPLETING THE WORK.

8. FURNITURE AND APPLIANCES WITHIN THE SCOPE OF WORK AREA IS TO BE REMOVED BY OWNER PRIOR TO START OF DEMOLITION / CONSTRUCTION. RETAIN ALL OF THE FOLLOWING, UNLESS SPECIFICALLY NOTED

OTHERWISE. ALL HISTORIC ELEMENTS TO REMAIN ARE TO BE PROTECTED DURING DEMOLITION / CONSTRUCTION ACTIVITY. A. HISTORIC MASONRY & STONE. -VERIFY CONDITION OF EXISTING LINTELS. WHERE

MASONRY REPAIR WORK. B. HISTORIC EXTERIOR ORNAMENT - CORNICES, FRIEZES,

BRACKETS, ETC. REFER TO NEW WORK PLANS FOR REPAIR

STONE LINTELS APPEAR TO BE CRACKED AND / OR

DAMAGED, NOTIFY ARCHITECT & STRUCTURAL

ENGINEER. REFER TO NEW WORK PLANS FOR

C. GUTTERS & DOWNSPOUTS. REMOVE DEBRIS & CLEAN.

D. RETAIN ALL INTERIOR WAINSCOTING AT CORRIDORS, STAIRS, AND WITHIN UNITS WHERE APPLICABLE.

E. RETAIN INTERIOR WINDOW TRIM / SILLS. F. STAIR RAILINGS / SPINDLES / HANDRAILS.

G. ROOFING SYSTEM.

MECHANICAL (REFER TO MECH FOR MORE INFORMATION)

1. DEMOLISH EXISTING HOT WATER BOILER SYSTEMS COMPLETE WHERE APPLICABLE INCLUDING ALL BOILERS, PUMPS, PIPING, VALVES, INSULATION, RADIATORS, CONTROLS/CONTROLS WIRING, ETC. COORDINATE PATCH/PAINT OF EXISTING STRUCTURE WITH GENERAL CONTRACTOR WHERE REQUIRED. COORDINATE ALL PLUMBING AND ELECTRICAL SCOPE ASSOCIATED WITH REMOVAL IN FIELD WITH OTHER TRADES. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED

MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

2. MECHANICAL CONTRACTOR TO REPLACE EXISTING CONDENSING UNITS AND AIR HANDLING UNITS CONDITIONING 127-129 GOETHE WITH ONE TO ONE REPLACEMENT HEAT PUMPS AND BLOWERS CONTAINING HEAT KITS. COORDINATE NEW PLUMBING AND ELECTRICAL REQUIREMENTS AND CONNECTIONS WITH CONTRACTORS AS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. COORDINATE ANY PAINT/PATCH DUE TO EQUIPMENT REPLACEMENT WITH GENERAL CONTRACTOR. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED EQUIPMENT & MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

3. MECHANICAL CONTRACTOR TO REMOVE ALL WINDOW A/C UNITS COMPLETE WHERE APPLICABLE. COORDINATE PAINT/PATCH WITH THE GENERAL CONTRACTOR AS REQUIRED. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED EQUIPMENT & MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

4. CONTRACTORS RESPONSIBLE FOR THE LEGAL AND ETHICAL DISPOSAL OF ALL NORMAL AND LISTED MATERIALS, LIQUIDS, AND GASES AS PART OF PROJECT. REFER TO ALL LOCAL, STATE, AND FEDERAL REGULATORY GUIDELINES FOR DISPOSAL REQUIREMENTS.

PLUMBING (REFER TO PLUMB FOR MORE INFORMATION)

1. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT.

2. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

3. PLUMBING SYSTEMS SERVING EXISTING TO REMAIN PLUMBING FIXTURES AS IDENTIFIED ON ARCHITECTURAL DEMOLITION SHEET SHALL REMAIN INTACT AND IN GOOD WORKING ORDER.

4. AT ALL LOCATIONS WHERE PLUMBING FIXTURES ARE TO BE REMOVED, PLUMBING SUBCONTRACTOR SHALL REMOVE PIPING (WATER, WASTE, VENT) TO A POINT BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING FIXTURE TO BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED AND RECONNECTED AS REQUIRED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.

5. WHERE EXISTING WALLS ARE REMOVED AND PIPING IS FOUND THAT MUST REMAIN, PLUMBING SUBCONTRACTOR SHALL REROUTE AND RECONNECT PIPING AS REQUIRED TO INSURE EXISTING FIXTURES REMAIN OPERATIONAL.

6. ALL PLUMBING ITEMS FOUND TO NO LONGER SERVE ANY PURPOSE SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

FOR RELOCATION OR FUTURE USE. 8. ALL CUTTING AND PATCHING FOR REMOVAL, REMODELING OR

7. COORDINATE ALL REMOVED PLUMBING FIXTURES WITH G.C

INSTALLATION OF NEW PLUMBING WORK SHALL BE DONE BY

9. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION WORK. COORDINATE WITH SAME.

SPECIFIC PLUMBING NOTES

PLUMBING CONTRACTOR.

1. EXISTING PLUMBING FIXTURES TO BE REMOVED IN UNIT BATHROOMS 4 AND 6. CONTRACTOR TO SALVAGE/PRESERVE EXISTING WASTE AND VENT PIPING FOR NEW FIXTURE INSTALLATION. DOMESTIC WATER SUPPLIES TO EXISTING FIXTURES ARE TO BE CUT AND CAPPED BACK TO SUPPLY.

ELECTRICAL (REFER TO ELEC FOR MORE INFORMATION)

1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING BUILDING CONDITIONS PRIOR TO ANY DEMOLITION/NEW WORK PERFORMED. COORDINATE ALL WORK WITH OTHER BUILDING TRADES, REPORT ANY MAJOR DISCREPANCIES TO ENGINEER PRIOR TO BEGINNING WORK. ACTUAL DEMOLITION AMOUNT SHALL BE BASED ON

2. ALL NECESSARY SHUT DOWN OF POWER MUST BE SCHEDULED SO AS NOT TO DISTURB OPERATION.

3. CONTRACTOR SHALL RETURN ALL DEMOLITION EQUIPMENT TO OWNER'S REPRESENTATIVE FOR SALVAGE OR REMOVE FROM PREMISES AT OWNERS OPTION.

4. CONTRACTOR SHALL DISCONNECT ALL POWER AND LOW VOLTAGE WIRING FROM EQUIPMENT BEING REMOVED BY OTHER

5. REMOVE ALL ELIMINATED CONDUIT AND WIRE FROM PROJECT AREA. PROVIDE FIRE STOPPING WHERE REQUIRED. ALL ABANDONED CONDUIT, AND DEVICES ENCASED IN CONCRETE SHALL BE CUT BACK FLUSH WITH SLAB. PATCH CONCRETE LEVEL WITH EXISTING SLAB.

6. ALL CIRCUITS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION. ALL EXISTING CIRCUITS TO ITEMS TO REMAIN IN SERVICE SHALL BE MAINTAINED. ALL RELOCATING AND REROUTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

7. PRIOR TO DEMOLITION, FIELD VERIFY EXACT SIZE AND ROUTING OF ALL EXISTING WIRING TO BE ENCOUNTERED. CONTRACTOR SHALL REMOVE ALL ABANDONED OR UNUSED WIRING WITHIN HIS SCOPE OF WORK AND TERMINATE PROPERLY. ANY ACTIVE WIRING DISTURBED BY THIS WORK SHALL BE RECONNECTED PRIOR TO PROJECT CLOSEOUT.

8. ALL EQUIPMENT AND RECEPTACLE CIRCUITS BEING ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE UNLESS OTHERWISE NOTED.

9. ALL LIGHTING CIRCUITS ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE. RETAIN ALL FIXTURES FOR USE IN EXPANSION AREAS OR DISPOSAL BY OWNER.

SPECIFIC ELECTRICAL NOTES

1. REMOVE ALL EXTERIOR SERVICE EQUIPMENT (WEATHER HEAD, INSULATED KNOB, SERVICE CONDUITS/WIRING, & ASSOCIATED STRAPPING). COORDINATE ALL ASSOCIATED WORK WITH DUKE ENERGY PRIOR TO CONSTRUCTION.

2. REMOVE EXISTING ELECTRICAL EQUIPMENT IN BASEMENT (METER CENTER, HOUSE PANEL, AND THE SECOND LEVEL APARTMENT PANELS. FIRST LEVEL APT PANELS ARE TO REMAIN IN BASEMENT AND ARE RE-FED FROM THE NEW EQUIPMENT), AND PREPARE SPACE FOR NEW ELECTRICAL EQUIPMENT. SEE POWER SHEETS FOR MORE INFORMATION.

3. REMOVE ALL BRANCH CIRCUIT WIRING, JUNCTION BOXES, DEVICES, AND COVER PLATES FOR THE APARTMENT UNITS BEING RENOVATED (ON LEVEL 2) AND PREPARE FOR RENOVATIONS.

127-129 GOETHE ST CINCINNATI, 45202

OWNER

CITY GOSPEL MISSION



ARC.1817276, EXP. 12/31/2023

DEMOLITION KEYNOTES

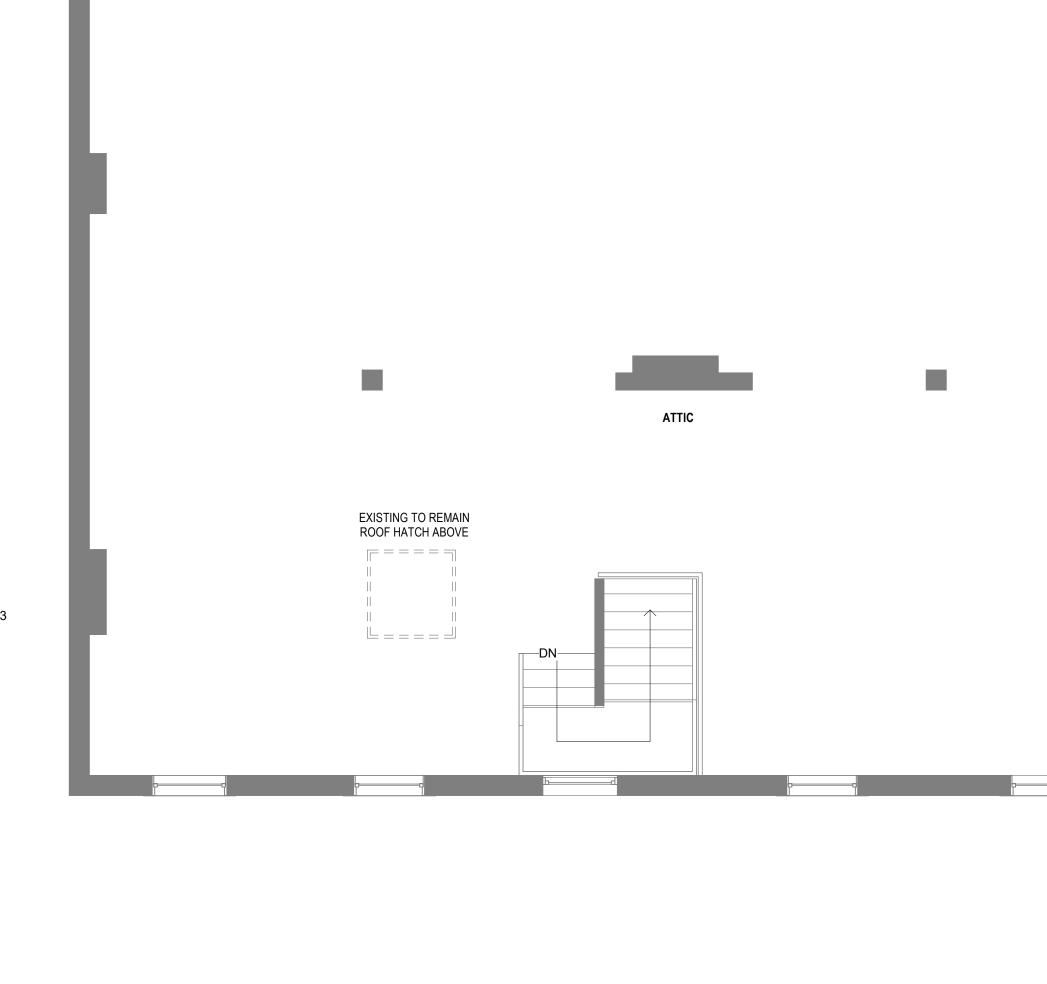
- REMOVE RAILINGS AND PREPARE FOR NEW. REMOVE WALLS AS INDICATED BY DASHED LINES. REMOVE SECOND FLOOR GYP BD / PLASTER CEILING AND ALL
- ASSOCIATED DEVICES / FIXTURES. REMOVE DOOR & FRAME. PREPARE FOR NEW OPENING. REMOVE WINDOW, FRAME, LOUVER AND GROUT BACK TO MASONRY OPENING. PREPARE FOR NEW WINDOW / LOUVER.
- REMOVE DOOR, FRAME & HARDWARE. REMOVE FINISH FLOORING DOWN TO SUBFLOOR. PREPARE FOR
- NEW FINISH. REMOVE FINISH FLOORING & NOSING.
- CONTRACTOR INSTALLATION OF NEW COUNTERTOPS, SINK & 9.4 REMOVE FINISH FLOORING DOWN TO SUBFLOOR. PREPARE FOR

OWNER TO REMOVE COUNTERTOP, SINK AND FAUCET AHEAD OF

PREP CONCRETE FLOORING TO RECEIVE NEW FLOOR FINISH.

PATCH MASONRY.

- 9.6 REMOVE CABINETRY, SINK, FAUCET. SALVAGE APPLIANCES TO OWNER UPON REQUEST.
- 22.1 REMOVE PLUMBING FIXTURES, CABINETRY, AND ACCESSORIES. 26.1 REMOVE LIGHT FIXTURE
- 26.2 RMOVE SURFACE MOUNTED CONDUIT. REFEED LIGHTING WITH CIRCUIT ROUTED WITHIN BUILDING. REMOVE WALL BRACKETS AND





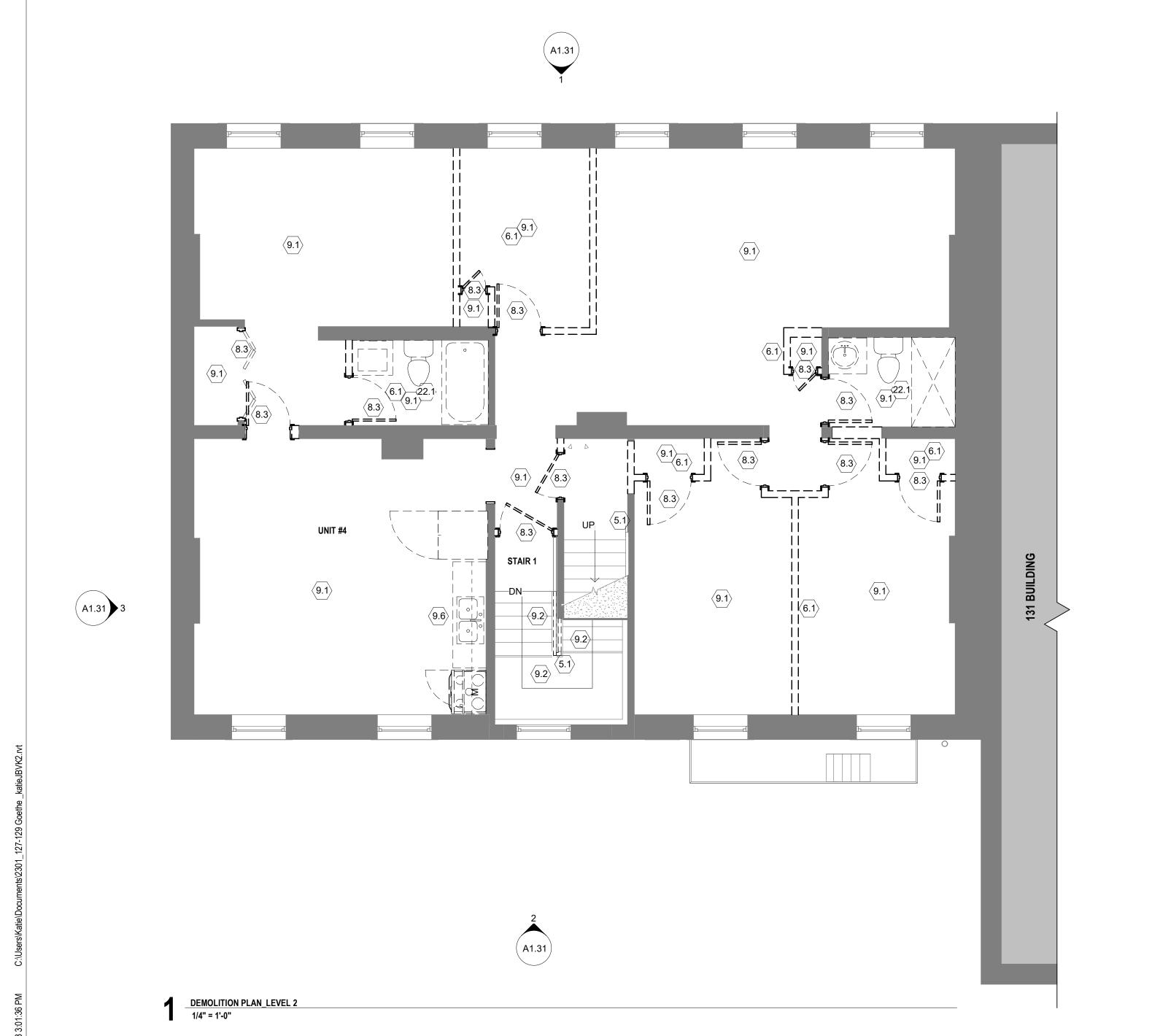
DESCRIPTION DATE

ISSUED FOR

PERMIT 06-27-2023 SHEET NAME

DEMOLITION PLANS

SHEET NO.



A1.31 3

DEMOLITION PLAN_ATTIC

1/4" = 1'-0"

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

FIELD VISIT BY CONTRACTOR.

1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302 STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC. 1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206 513.396.8900

MEP ENGINEER

ENIGINEERED BUILDING SERVICES, INC.

ARCHITECT & INTERIOR DESIGN

ARCX STUDIO

FIRM.18314012

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585

HTCTC - 127-129 GOETHE

RENOVATION

ARCX STUDIO PROJECT NUMBER



DEMOLITION REFLECTED CEILING PLAN - BASMENT
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

ARCHITECTURAL

1. PATCH ALL FLOOR, CEILING AND WALL SURFACES AS WELL AS ALL ADJACENT SURFACES EFFECTED BY DEMOLITION WITH SIMILAR MATERIALS AS NECESSARY TO ACHIEVE UNIFORM, NEW APPEARANCE (I.E. GWB PERIMETER WALLS, DEMISING WALLS, CORE ETC.) PATCHES SHALL BE IMPERCEPTIBLE. WHERE WALLS ARE DEMOLISHED AND ACOUSTIC CEILING GRIDS / TILES ARE PATCHED, PATCHING IS TO BE IMPERCEPTIBLE WITH NO GAPS.

2. IN ALL AREAS WHERE DEMOLITION (REMOVAL OF PARTITIONS, ETC.) CAUSES UNEVENNESS IN THE FLOOR, THE CONTRACTOR SHALL PATCH TO LEVEL THE FLOOR TO RECEIVE FINISHED FLOORING. PATCH & SAND WALLS WITHIN 1" OF FLOORING WHERE BASEBOARD IS REMOVED TO ACHIEVE SMOOTH FINISH PRIOR TO PAINTING / INSTALLING NEW BASEBOARDS.

3. REMOVAL OF EXISTING PARTITIONS, INCLUDING DOORS, FRAMES, AND THERMOSTATS, ELECTRICAL WITHIN PARTITIONS SHALL BE REMOVED AS INDICATED ON THE DRAWINGS.

4. CONDUCT DEMOLITION OPERATION AND THE REMOVAL OF DEBRIS AND EQUIPMENT TO ENSURE MINIMUM INTERFERENCE WITH EXISTING BUSINESS OPERATION. CONSULT WITH BUILDING OWNER FOR ANY RULES AND REGULATIONS REGARDING HOURS, DUMPSTERS AND REMOVAL. ENSURE PROTECTION OF PERSONS AROUND THE DEMOLITION AREA.

5. DEBRIS RESULTING FROM THE DEMOLITION AND CONSTRUCTION SHALL BE REMOVED FROM THE BUILDING SITE ON A WEEKLY BASIS.

6. CLEAN ADJACENT WORK OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CLEAN CONDITION (SIMILAR TO PRIOR DEMOLITION) AFTER COMPLETION.

7. EACH SPECIFIC ITEM OF CUTTING, PATCHING OR FITTING IS NOT NECESSARILY DESCRIBED INDIVIDUALLY HEREIN. ABSENCE OF SPECIFIC INSTRUCTION FOR CUTTING, PATCHING OR FITTING SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO PERFORM AS REQUIRED COMPLETING THE WORK.

8. FURNITURE AND APPLIANCES WITHIN THE SCOPE OF WORK AREA IS TO BE REMOVED BY OWNER PRIOR TO START OF DEMOLITION / CONSTRUCTION.

RETAIN ALL OF THE FOLLOWING, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL HISTORIC ELEMENTS TO REMAIN ARE TO BE PROTECTED DURING DEMOLITION / CONSTRUCTION ACTIVITY. A. HISTORIC MASONRY & STONE.

-VERIFY CONDITION OF EXISTING LINTELS. WHERE STONE LINTELS APPEAR TO BE CRACKED AND / OR DAMAGED, NOTIFY ARCHITECT & STRUCTURAL ENGINEER. REFER TO NEW WORK PLANS FOR MASONRY REPAIR WORK.

B. HISTORIC EXTERIOR ORNAMENT - CORNICES, FRIEZES, BRACKETS, ETC. REFER TO NEW WORK PLANS FOR REPAIR

C. GUTTERS & DOWNSPOUTS. REMOVE DEBRIS & CLEAN.

D. RETAIN ALL INTERIOR WAINSCOTING AT CORRIDORS, STAIRS,

AND WITHIN UNITS WHERE APPLICABLE. E. RETAIN INTERIOR WINDOW TRIM / SILLS.

F. STAIR RAILINGS / SPINDLES / HANDRAILS. G. ROOFING SYSTEM.

MECHANICAL (REFER TO MECH FOR MORE INFORMATION)

1. DEMOLISH EXISTING HOT WATER BOILER SYSTEMS COMPLETE WHERE APPLICABLE INCLUDING ALL BOILERS, PUMPS, PIPING, VALVES, INSULATION, RADIATORS, CONTROLS/CONTROLS WIRING, ETC. COORDINATE PATCH/PAINT OF EXISTING STRUCTURE WITH GENERAL CONTRACTOR WHERE REQUIRED. COORDINATE ALL PLUMBING AND ELECTRICAL SCOPE ASSOCIATED WITH REMOVAL IN FIELD WITH OTHER TRADES. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED

2. MECHANICAL CONTRACTOR TO REPLACE EXISTING CONDENSING UNITS AND AIR HANDLING UNITS CONDITIONING 127-129 GOETHE WITH ONE TO ONE REPLACEMENT HEAT PUMPS AND BLOWERS CONTAINING HEAT KITS. COORDINATE NEW PLUMBING AND ELECTRICAL REQUIREMENTS AND CONNECTIONS WITH CONTRACTORS AS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. COORDINATE ANY PAINT/PATCH DUE TO EQUIPMENT REPLACEMENT WITH GENERAL CONTRACTOR. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED EQUIPMENT & MATERIALS WITH THE OWNER AND

GENERAL CONTRACTOR.

MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

3. MECHANICAL CONTRACTOR TO REMOVE ALL WINDOW A/C UNITS COMPLETE WHERE APPLICABLE. COORDINATE PAINT/PATCH WITH THE GENERAL CONTRACTOR AS REQUIRED. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED EQUIPMENT & MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

4. CONTRACTORS RESPONSIBLE FOR THE LEGAL AND ETHICAL DISPOSAL OF ALL NORMAL AND LISTED MATERIALS, LIQUIDS, AND GASES AS PART OF PROJECT. REFER TO ALL LOCAL, STATE, AND FEDERAL REGULATORY GUIDELINES FOR DISPOSAL REQUIREMENTS.

PLUMBING (REFER TO PLUMB FOR MORE INFORMATION)

1. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT.

2. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

3. PLUMBING SYSTEMS SERVING EXISTING TO REMAIN PLUMBING FIXTURES AS IDENTIFIED ON ARCHITECTURAL DEMOLITION SHEET SHALL REMAIN INTACT AND IN GOOD WORKING ORDER.

4. AT ALL LOCATIONS WHERE PLUMBING FIXTURES ARE TO BE REMOVED, PLUMBING SUBCONTRACTOR SHALL REMOVE PIPING (WATER, WASTE, VENT) TO A POINT BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING FIXTURE TO BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED AND RECONNECTED AS REQUIRED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.

5. WHERE EXISTING WALLS ARE REMOVED AND PIPING IS FOUND THAT MUST REMAIN, PLUMBING SUBCONTRACTOR SHALL REROUTE AND RECONNECT PIPING AS REQUIRED TO INSURE EXISTING FIXTURES REMAIN OPERATIONAL.

6. ALL PLUMBING ITEMS FOUND TO NO LONGER SERVE ANY PURPOSE SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

7. COORDINATE ALL REMOVED PLUMBING FIXTURES WITH G.C FOR RELOCATION OR FUTURE USE. 8. ALL CUTTING AND PATCHING FOR REMOVAL, REMODELING OR

INSTALLATION OF NEW PLUMBING WORK SHALL BE DONE BY PLUMBING CONTRACTOR.

9. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION WORK. COORDINATE WITH SAME.

SPECIFIC PLUMBING NOTES

1. EXISTING PLUMBING FIXTURES TO BE REMOVED IN UNIT BATHROOMS 4 AND 6. CONTRACTOR TO SALVAGE/PRESERVE EXISTING WASTE AND VENT PIPING FOR NEW FIXTURE INSTALLATION. DOMESTIC WATER SUPPLIES TO EXISTING FIXTURES ARE TO BE CUT AND CAPPED BACK TO SUPPLY.

ELECTRICAL (REFER TO ELEC FOR MORE INFORMATION)

1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING BUILDING CONDITIONS PRIOR TO ANY DEMOLITION/NEW WORK PERFORMED. COORDINATE ALL WORK WITH OTHER BUILDING TRADES, REPORT ANY MAJOR DISCREPANCIES TO ENGINEER PRIOR TO BEGINNING WORK. ACTUAL DEMOLITION AMOUNT SHALL BE BASED ON

FIELD VISIT BY CONTRACTOR. 2. ALL NECESSARY SHUT DOWN OF POWER MUST BE

SCHEDULED SO AS NOT TO DISTURB OPERATION. 3. CONTRACTOR SHALL RETURN ALL DEMOLITION EQUIPMENT TO OWNER'S REPRESENTATIVE FOR SALVAGE OR REMOVE

FROM PREMISES AT OWNERS OPTION. 4. CONTRACTOR SHALL DISCONNECT ALL POWER AND LOW

VOLTAGE WIRING FROM EQUIPMENT BEING REMOVED BY OTHER

5. REMOVE ALL ELIMINATED CONDUIT AND WIRE FROM PROJECT AREA. PROVIDE FIRE STOPPING WHERE REQUIRED. ALL ABANDONED CONDUIT, AND DEVICES ENCASED IN CONCRETE SHALL BE CUT BACK FLUSH WITH SLAB. PATCH CONCRETE LEVEL WITH EXISTING SLAB.

6. ALL CIRCUITS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION. ALL EXISTING CIRCUITS TO ITEMS TO REMAIN IN SERVICE SHALL BE MAINTAINED. ALL RELOCATING AND REROUTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

7. PRIOR TO DEMOLITION, FIELD VERIFY EXACT SIZE AND ROUTING OF ALL EXISTING WIRING TO BE ENCOUNTERED. CONTRACTOR SHALL REMOVE ALL ABANDONED OR UNUSED WIRING WITHIN HIS SCOPE OF WORK AND TERMINATE PROPERLY. ANY ACTIVE WIRING DISTURBED BY THIS WORK SHALL BE RECONNECTED PRIOR TO PROJECT CLOSEOUT.

8. ALL EQUIPMENT AND RECEPTACLE CIRCUITS BEING ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE UNLESS OTHERWISE NOTED.

9. ALL LIGHTING CIRCUITS ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE. RETAIN ALL FIXTURES FOR USE IN EXPANSION AREAS OR DISPOSAL BY OWNER.

SPECIFIC ELECTRICAL NOTES

1. REMOVE ALL EXTERIOR SERVICE EQUIPMENT (WEATHER HEAD, INSULATED KNOB, SERVICE CONDUITS/WIRING, & ASSOCIATED STRAPPING). COORDINATE ALL ASSOCIATED WORK WITH DUKE ENERGY PRIOR TO CONSTRUCTION.

2. REMOVE EXISTING ELECTRICAL EQUIPMENT IN BASEMENT (METER CENTER, HOUSE PANEL, AND THE SECOND LEVEL APARTMENT PANELS. FIRST LEVEL APT PANELS ARE TO REMAIN IN BASEMENT AND ARE RE-FED FROM THE NEW EQUIPMENT), AND PREPARE SPACE FOR NEW ELECTRICAL EQUIPMENT. SEE POWER SHEETS FOR MORE INFORMATION.

3. REMOVE ALL BRANCH CIRCUIT WIRING, JUNCTION BOXES, DEVICES, AND COVER PLATES FOR THE APARTMENT UNITS BEING RENOVATED (ON LEVEL 2) AND PREPARE FOR RENOVATIONS.

ARCHITECT & INTERIOR DESIGN

ARCX STUDIO FIRM.18314012

1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC. 1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

513.396.8900

MEP ENGINEER

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

859.261.0585

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

OWNER CITY GOSPEL MISSION



KATHERINE CONNER ARC.1817276, EXP. 12/31/2023

DEMOLITION KEYNOTES

REMOVE RAILINGS AND PREPARE FOR NEW. REMOVE WALLS AS INDICATED BY DASHED LINES.

REMOVE DOOR & FRAME. PREPARE FOR NEW OPENING. REMOVE WINDOW, FRAME, LOUVER AND GROUT BACK TO

REMOVE FINISH FLOORING DOWN TO SUBFLOOR. PREPARE FOR NEW FINISH.

OWNER UPON REQUEST.

26.1 REMOVE LIGHT FIXTURE

26.2 RMOVE SURFACE MOUNTED CONDUIT. REFEED LIGHTING WITH CIRCUIT ROUTED WITHIN BUILDING. REMOVE WALL BRACKETS AND

REMOVE SECOND FLOOR GYP BD / PLASTER CEILING AND ALL ASSOCIATED DEVICES / FIXTURES.

MASONRY OPENING. PREPARE FOR NEW WINDOW / LOUVER. REMOVE DOOR, FRAME & HARDWARE.

REMOVE FINISH FLOORING & NOSING.

PATCH MASONRY.

OWNER TO REMOVE COUNTERTOP, SINK AND FAUCET AHEAD OF CONTRACTOR INSTALLATION OF NEW COUNTERTOPS, SINK & 9.4 REMOVE FINISH FLOORING DOWN TO SUBFLOOR. PREPARE FOR

PREP CONCRETE FLOORING TO RECEIVE NEW FLOOR FINISH. 9.6 REMOVE CABINETRY, SINK, FAUCET. SALVAGE APPLIANCES TO

22.1 REMOVE PLUMBING FIXTURES, CABINETRY, AND ACCESSORIES.

REVISION

DESCRIPTION DATE

ISSUED FOR

PERMIT 06-27-2023 SHEET NAME

DEMOLITION REFLECTED CEILING **PLANS**

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

A1.31 3

26.1

DEMOLITION REFLECTED CEILING PLAN - LEVEL 1

1/4" = 1'-0"

__DEMOLITION REFLECTED CEILING PLAN - LEVEL 2 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

ARCHITECTURAL

1. PATCH ALL FLOOR, CEILING AND WALL SURFACES AS WELL AS ALL ADJACENT SURFACES EFFECTED BY DEMOLITION WITH SIMILAR MATERIALS AS NECESSARY TO ACHIEVE UNIFORM, NEW APPEARANCE (I.E. GWB PERIMETER WALLS, DEMISING WALLS, CORE ETC.) PATCHES SHALL BE IMPERCEPTIBLE. WHERE WALLS ARE DEMOLISHED AND ACOUSTIC CEILING GRIDS / TILES ARE PATCHED, PATCHING IS TO BE IMPERCEPTIBLE WITH NO GAPS.

2. IN ALL AREAS WHERE DEMOLITION (REMOVAL OF PARTITIONS, ETC.) CAUSES UNEVENNESS IN THE FLOOR, THE CONTRACTOR SHALL PATCH TO LEVEL THE FLOOR TO RECEIVE FINISHED FLOORING. PATCH & SAND WALLS WITHIN 1" OF FLOORING WHERE BASEBOARD IS REMOVED TO ACHIEVE SMOOTH FINISH PRIOR TO PAINTING / INSTALLING NEW BASEBOARDS.

3. REMOVAL OF EXISTING PARTITIONS, INCLUDING DOORS, FRAMES, AND THERMOSTATS, ELECTRICAL WITHIN PARTITIONS SHALL BE REMOVED AS INDICATED ON THE DRAWINGS.

4. CONDUCT DEMOLITION OPERATION AND THE REMOVAL OF DEBRIS AND EQUIPMENT TO ENSURE MINIMUM INTERFERENCE WITH EXISTING BUSINESS OPERATION. CONSULT WITH BUILDING OWNER FOR ANY RULES AND REGULATIONS REGARDING HOURS, DUMPSTERS AND REMOVAL. ENSURE PROTECTION OF PERSONS AROUND THE DEMOLITION AREA.

5. DEBRIS RESULTING FROM THE DEMOLITION AND CONSTRUCTION SHALL BE REMOVED FROM THE BUILDING SITE ON A WEEKLY BASIS.

6. CLEAN ADJACENT WORK OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CLEAN CONDITION (SIMILAR TO PRIOR DEMOLITION) AFTER COMPLETION.

7. EACH SPECIFIC ITEM OF CUTTING, PATCHING OR FITTING IS NOT NECESSARILY DESCRIBED INDIVIDUALLY HEREIN. ABSENCE OF SPECIFIC INSTRUCTION FOR CUTTING, PATCHING OR FITTING SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO PERFORM AS REQUIRED COMPLETING THE WORK.

8. FURNITURE AND APPLIANCES WITHIN THE SCOPE OF WORK AREA IS TO BE REMOVED BY OWNER PRIOR TO START OF DEMOLITION / CONSTRUCTION.

RETAIN ALL OF THE FOLLOWING, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL HISTORIC ELEMENTS TO REMAIN ARE TO BE PROTECTED DURING DEMOLITION / CONSTRUCTION ACTIVITY. A. HISTORIC MASONRY & STONE.

-VERIFY CONDITION OF EXISTING LINTELS. WHERE STONE LINTELS APPEAR TO BE CRACKED AND / OR DAMAGED, NOTIFY ARCHITECT & STRUCTURAL ENGINEER. REFER TO NEW WORK PLANS FOR MASONRY REPAIR WORK.

B. HISTORIC EXTERIOR ORNAMENT - CORNICES, FRIEZES, BRACKETS, ETC. REFER TO NEW WORK PLANS FOR REPAIR

C. GUTTERS & DOWNSPOUTS. REMOVE DEBRIS & CLEAN. D. RETAIN ALL INTERIOR WAINSCOTING AT CORRIDORS, STAIRS,

E. RETAIN INTERIOR WINDOW TRIM / SILLS.

AND WITHIN UNITS WHERE APPLICABLE.

F. STAIR RAILINGS / SPINDLES / HANDRAILS.

G. ROOFING SYSTEM.

MECHANICAL (REFER TO MECH FOR MORE INFORMATION)

1. DEMOLISH EXISTING HOT WATER BOILER SYSTEMS COMPLETE WHERE APPLICABLE INCLUDING ALL BOILERS, PUMPS, PIPING, VALVES, INSULATION, RADIATORS, CONTROLS/CONTROLS WIRING, ETC. COORDINATE PATCH/PAINT OF EXISTING STRUCTURE WITH GENERAL CONTRACTOR WHERE REQUIRED. COORDINATE ALL PLUMBING AND ELECTRICAL

SCOPE ASSOCIATED WITH REMOVAL IN FIELD WITH OTHER

TRADES. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED

MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR. 2. MECHANICAL CONTRACTOR TO REPLACE EXISTING CONDENSING UNITS AND AIR HANDLING UNITS CONDITIONING 127-129 GOETHE WITH ONE TO ONE REPLACEMENT HEAT PUMPS AND BLOWERS CONTAINING HEAT KITS. COORDINATE NEW PLUMBING AND ELECTRICAL REQUIREMENTS AND CONNECTIONS WITH CONTRACTORS AS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. COORDINATE ANY PAINT/PATCH DUE TO EQUIPMENT REPLACEMENT WITH GENERAL CONTRACTOR. COORDINATE SALVAGE RIGHTS FOR

3. MECHANICAL CONTRACTOR TO REMOVE ALL WINDOW A/C UNITS COMPLETE WHERE APPLICABLE. COORDINATE PAINT/PATCH WITH THE GENERAL CONTRACTOR AS REQUIRED. COORDINATE SALVAGE RIGHTS FOR DEMOLISHED EQUIPMENT & MATERIALS WITH THE OWNER AND GENERAL CONTRACTOR.

GENERAL CONTRACTOR.

DEMOLISHED EQUIPMENT & MATERIALS WITH THE OWNER AND

4. CONTRACTORS RESPONSIBLE FOR THE LEGAL AND ETHICAL DISPOSAL OF ALL NORMAL AND LISTED MATERIALS, LIQUIDS, AND GASES AS PART OF PROJECT. REFER TO ALL LOCAL, STATE, AND FEDERAL REGULATORY GUIDELINES FOR DISPOSAL REQUIREMENTS.

PLUMBING (REFER TO PLUMB FOR MORE INFORMATION)

1. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT.

2. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

3. PLUMBING SYSTEMS SERVING EXISTING TO REMAIN PLUMBING FIXTURES AS IDENTIFIED ON ARCHITECTURAL DEMOLITION SHEET SHALL REMAIN INTACT AND IN GOOD WORKING ORDER.

4. AT ALL LOCATIONS WHERE PLUMBING FIXTURES ARE TO BE REMOVED, PLUMBING SUBCONTRACTOR SHALL REMOVE PIPING (WATER, WASTE, VENT) TO A POINT BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING FIXTURE TO BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED AND RECONNECTED AS REQUIRED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.

5. WHERE EXISTING WALLS ARE REMOVED AND PIPING IS FOUND THAT MUST REMAIN, PLUMBING SUBCONTRACTOR SHALL REROUTE AND RECONNECT PIPING AS REQUIRED TO INSURE EXISTING FIXTURES REMAIN OPERATIONAL.

6. ALL PLUMBING ITEMS FOUND TO NO LONGER SERVE ANY PURPOSE SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

7. COORDINATE ALL REMOVED PLUMBING FIXTURES WITH G.C FOR RELOCATION OR FUTURE USE. 8. ALL CUTTING AND PATCHING FOR REMOVAL, REMODELING OR

PLUMBING CONTRACTOR. 9. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION WORK. COORDINATE WITH SAME.

INSTALLATION OF NEW PLUMBING WORK SHALL BE DONE BY

SPECIFIC PLUMBING NOTES

1. EXISTING PLUMBING FIXTURES TO BE REMOVED IN UNIT BATHROOMS 4 AND 6. CONTRACTOR TO SALVAGE/PRESERVE EXISTING WASTE AND VENT PIPING FOR NEW FIXTURE INSTALLATION. DOMESTIC WATER SUPPLIES TO EXISTING FIXTURES ARE TO BE CUT AND CAPPED BACK TO SUPPLY.

ELECTRICAL (REFER TO ELEC FOR MORE INFORMATION)

1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING BUILDING CONDITIONS PRIOR TO ANY DEMOLITION/NEW WORK PERFORMED. COORDINATE ALL WORK WITH OTHER BUILDING TRADES, REPORT ANY MAJOR DISCREPANCIES TO ENGINEER PRIOR TO BEGINNING WORK. ACTUAL DEMOLITION AMOUNT SHALL BE BASED ON FIELD VISIT BY CONTRACTOR.

2. ALL NECESSARY SHUT DOWN OF POWER MUST BE SCHEDULED SO AS NOT TO DISTURB OPERATION.

3. CONTRACTOR SHALL RETURN ALL DEMOLITION EQUIPMENT TO OWNER'S REPRESENTATIVE FOR SALVAGE OR REMOVE FROM PREMISES AT OWNERS OPTION.

4. CONTRACTOR SHALL DISCONNECT ALL POWER AND LOW 513.396.8900 VOLTAGE WIRING FROM EQUIPMENT BEING REMOVED BY OTHER

5. REMOVE ALL ELIMINATED CONDUIT AND WIRE FROM PROJECT AREA. PROVIDE FIRE STOPPING WHERE REQUIRED. ALL ABANDONED CONDUIT, AND DEVICES ENCASED IN CONCRETE SHALL BE CUT BACK FLUSH WITH SLAB. PATCH CONCRETE LEVEL WITH EXISTING SLAB.

6. ALL CIRCUITS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION. ALL EXISTING CIRCUITS TO ITEMS TO REMAIN IN SERVICE SHALL BE MAINTAINED. ALL RELOCATING AND REROUTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

7. PRIOR TO DEMOLITION, FIELD VERIFY EXACT SIZE AND ROUTING OF ALL EXISTING WIRING TO BE ENCOUNTERED. CONTRACTOR SHALL REMOVE ALL ABANDONED OR UNUSED WIRING WITHIN HIS SCOPE OF WORK AND TERMINATE PROPERLY. ANY ACTIVE WIRING DISTURBED BY THIS WORK SHALL BE RECONNECTED PRIOR TO PROJECT CLOSEOUT.

8. ALL EQUIPMENT AND RECEPTACLE CIRCUITS BEING ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE UNLESS OTHERWISE NOTED.

9. ALL LIGHTING CIRCUITS ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE. RETAIN ALL FIXTURES FOR USE IN EXPANSION AREAS OR DISPOSAL BY OWNER.

SPECIFIC ELECTRICAL NOTES

1. REMOVE ALL EXTERIOR SERVICE EQUIPMENT (WEATHER HEAD, INSULATED KNOB, SERVICE CONDUITS/WIRING, & ASSOCIATED STRAPPING). COORDINATE ALL ASSOCIATED WORK WITH DUKE ENERGY PRIOR TO CONSTRUCTION.

2. REMOVE EXISTING ELECTRICAL EQUIPMENT IN BASEMENT (METER CENTER, HOUSE PANEL, AND THE SECOND LEVEL APARTMENT PANELS. FIRST LEVEL APT PANELS ARE TO REMAIN IN BASEMENT AND ARE RE-FED FROM THE NEW EQUIPMENT), AND PREPARE SPACE FOR NEW ELECTRICAL EQUIPMENT. SEE POWER SHEETS FOR MORE INFORMATION.

3. REMOVE ALL BRANCH CIRCUIT WIRING, JUNCTION BOXES, DEVICES, AND COVER PLATES FOR THE APARTMENT UNITS BEING RENOVATED (ON LEVEL 2) AND PREPARE FOR RENOVATIONS.

ARCX STUDIO PROJECT NUMBER

127-129 GOETHE ST CINCINNATI, 45202

OWNER

CITY GOSPEL MISSION



DEMOLITION KEYNOTES

- REMOVE RAILINGS AND PREPARE FOR NEW. REMOVE WALLS AS INDICATED BY DASHED LINES. REMOVE SECOND FLOOR GYP BD / PLASTER CEILING AND ALL
- ASSOCIATED DEVICES / FIXTURES. REMOVE DOOR & FRAME. PREPARE FOR NEW OPENING. REMOVE WINDOW, FRAME, LOUVER AND GROUT BACK TO
- MASONRY OPENING. PREPARE FOR NEW WINDOW / LOUVER. REMOVE DOOR, FRAME & HARDWARE.
- REMOVE FINISH FLOORING DOWN TO SUBFLOOR. PREPARE FOR
- NEW FINISH. REMOVE FINISH FLOORING & NOSING.
- OWNER TO REMOVE COUNTERTOP, SINK AND FAUCET AHEAD OF CONTRACTOR INSTALLATION OF NEW COUNTERTOPS, SINK &
- 9.4 REMOVE FINISH FLOORING DOWN TO SUBFLOOR. PREPARE FOR
- PREP CONCRETE FLOORING TO RECEIVE NEW FLOOR FINISH. 9.6 REMOVE CABINETRY, SINK, FAUCET. SALVAGE APPLIANCES TO OWNER UPON REQUEST.
- 22.1 REMOVE PLUMBING FIXTURES, CABINETRY, AND ACCESSORIES.
- 26.1 REMOVE LIGHT FIXTURE 26.2 RMOVE SURFACE MOUNTED CONDUIT. REFEED LIGHTING WITH CIRCUIT ROUTED WITHIN BUILDING. REMOVE WALL BRACKETS AND PATCH MASONRY.



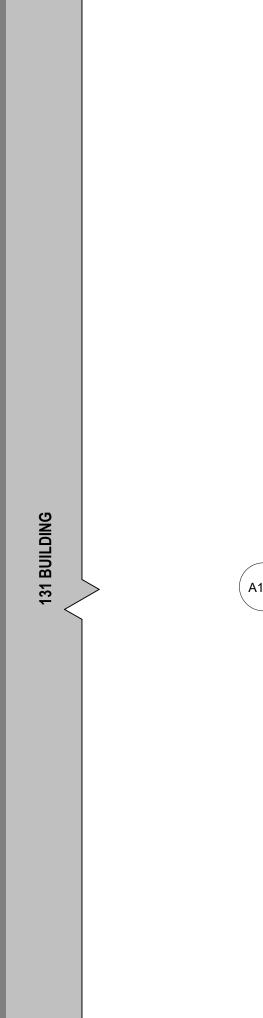


EXISTING ROOF HATCH

PERMIT SHEET NAME

DEMOLITION REFLECTED CEILING **PLANS**

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"



A1.31 3

DEMOLITION REFLECTED CEILING PLAN - ATTIC

1/4" = 1'-0"

ARCHITECT & INTERIOR DESIGN ARCX STUDIO

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202

513.832.1302 STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC. 1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

MEP ENGINEER ENIGINEERED BUILDING SERVICES, INC.

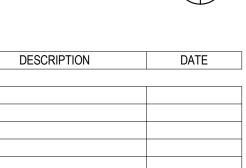
515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585





KATHERINE CONNER ARC.1817276, EXP. 12/31/2023





ISSUED FOR

REVISION

06-27-2023



ARCX STUDIO

ARCHITECT & INTERIOR DESIGN

ARCX STUDIO

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HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

OWNER

CITY GOSPEL MISSION



KATHERINE CONNER ARC.1817276, EXP. 12/31/2023

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ISSUED FOR

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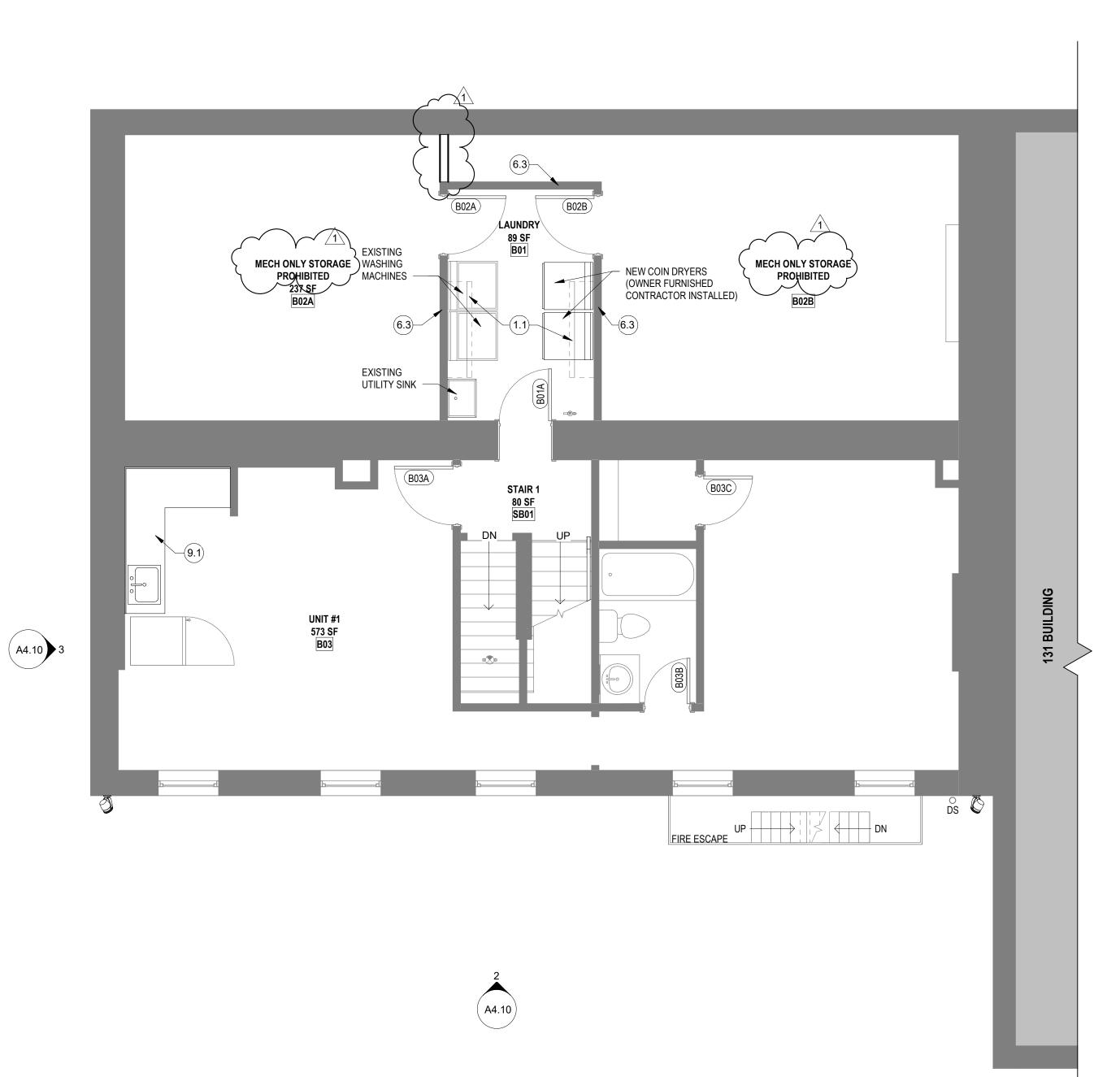
SHEET NAME

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

DEMOLITION BUILDING

ELEVATIONS SHEET NO.

A424



PLOOR PLAN_BASEMENT
1/4" = 1'-0"

APPLIANCE NOTES . APPLIANCES ARE LISTED AS BASIS OF DESIGN. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY

OWNER OR ARCHITECT. NOTIFY OWNER & ARCHITECT OF LEAD TIMES.

2. ACCEPTABLE MANUFACTURERS ARE: GENERAL ELECTRIC, WHIRLPOOL AND KITCHENAID. 3. GARBAGE DISPOSALS ARE $\underline{\mathsf{NOT}}$ INCLUDED IN SCOPE OF WORK.

4. DISHWASHERS ARE <u>NOT</u> INCLUDED IN SCOPE OF WORK.

5. APPLIANCES / FIXTURES ARE TO BE ENERGY STAR RATED AND EPA WATERSENSE WHERE APPLICABLE.

6. NOTIFY OWNER OF APPLIANCE LEAD TIMES. 7. WASHING MACHINES AND DRYERS WILL BE OWNER PROVIDED AND CONTRACTOR INSTALLED. ALL OTHER INSULATION SCHEDULE

MECHANICAL CLOSET WALLS

NEW EXTERIOR FRAMED WALLS

STAIR HALL ENCLOSURE WALLS

CEILING B/W BASEMENT/RESIDENTIAL

CEILING B/W BREEZEWAY/OCCUPIED SPACE

CEILING B/W FLOORS OF SAME RESIDENCE

NOTES: COORDINATE ALL W/ FIRE RATING & U.L. ASSEMBLY.

UNOCCUPIED ATTIC FLOOR

CEILING OF OCCUPIED ATTIC

PLUMBING CHASE WALLS

BATHROOM WALLS

R-VALUE

R-13 MIN.

R-13 MIN.

R-19 MIN.

R-38 MIN.

R-30 MIN.

R-13 MIN.

R-13 MIN.

R-13

R-30

FIBERGLASS BATTS - ACOUSTIC

FIBERGLASS BATTS - ACOUSTIC

FIBERGLASS BATTS - ACOUSTIC

FIBERGLASS BATTS - ACOUSTIC

FIBERGLASS BATTS

FIBERGLASS BATTS

FIBERGLASS BATTS

FIBERGLASS BATTS

CLOSED CELL

CEILING B/W FLRS OF SEPARATE RESIDENCES | FIBERGLASS BATTS - ACOUSTIC

PROVIDE R19 MINERAL WOOL BATT. INSULATION AT BASEMENT RIM BD. THROUGHOUT.

FIBERGLASS BATTS STAPLED TO STUDS - ACOUSTIC R-13 MIN.

NOTES

FILL STUD CAVITY

FILL STUD CAVITY

FILL CAVITY

FILL CAVITY

PROVIDE PIPE INSULATION

R-48 (R-38 MIN.) INSULATION IN JOIST CAVITY (FILL CAVITY)

FILL CAVITY & COORD W/ FIRE-RATING & UL ASSEMBLY

INSULATION IN JOIST CAVITY OF ATTIC FLOOR

COORD W/ UL ASSEMBLY & FIRE RATING

APPLIANCES WILL BE PURCHASED AND INSTALLED BY CONTRACTOR.

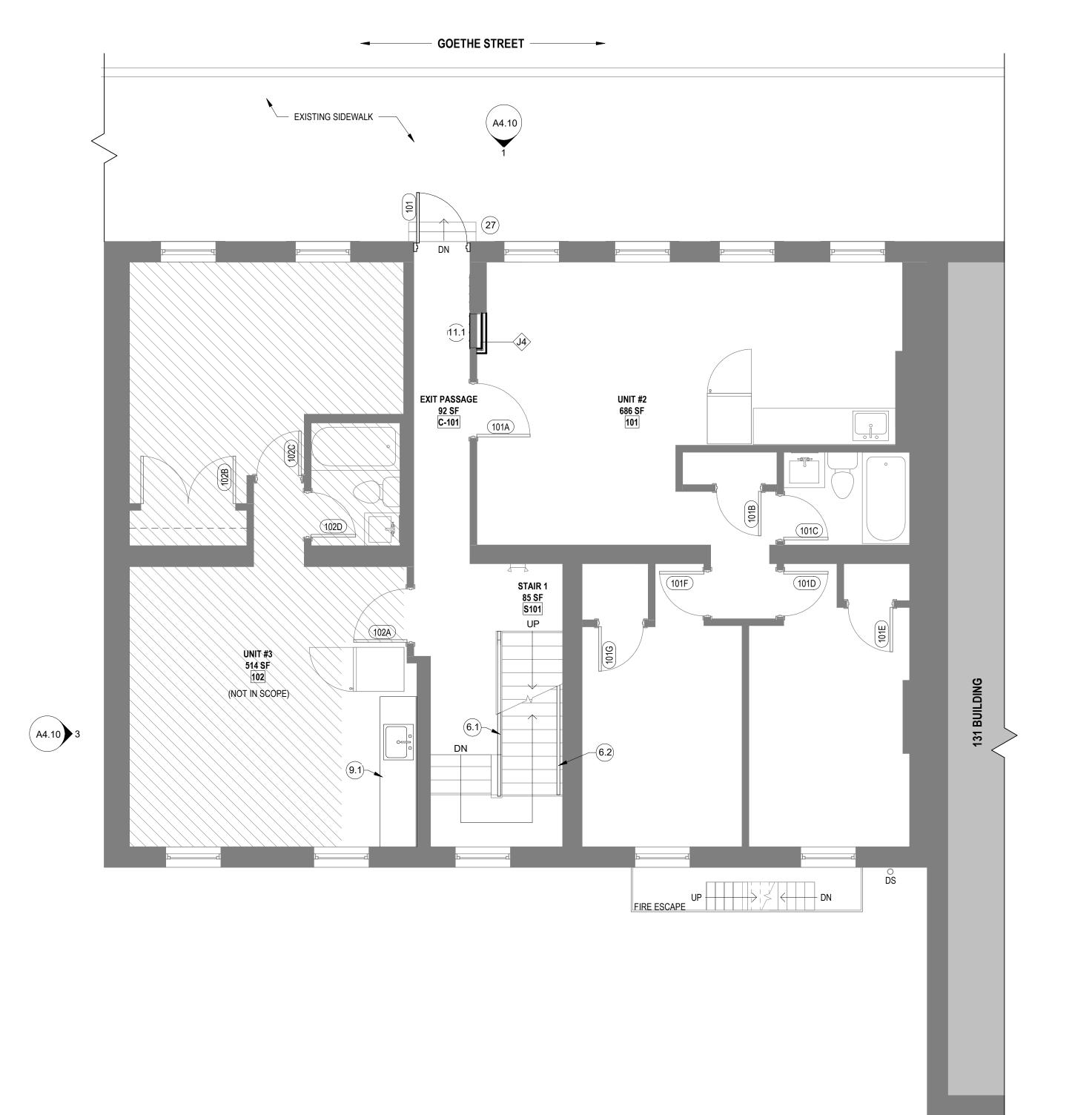
8. REFER TO PLANS AND INTERIOR ELEVATIONS FOR QUANTITIES AND LOCATIONS OF APPLIANCES. 9. APPLIANCES SHOULD BE SOURCED FROM THE SAME MANUFACTURER.

APPLIANCE SCHEDULE

CODE	<u>DESCRIPTION</u>	MAKE	MODEL
MW	OVER-THE-RANGE MICROWAVE 30" W, STAINLESS STEEL FINISH, RECIRCULATING	GENERAL ELECTRIC	JVM3160RFSS
REF	REFRIGERATOR 30" W, STANDARD DEPTH, STAINLESS STEEL FINISH BOTTOM DRAWER FREEZER TOP SINGLE DOOR REFRIGERATOR ICE MAKER NOT REQ'D	GENERAL ELECTRIC	GBE21DYKFS 21 CU FT
RNG	ELECTRIC RANGE 30" W, STAINLESS STEEL FINISH	GENERAL ELECTRIC	JB6FFSKSS

RESTROOM / BATHROOM ACCESSORIES						
MARK	DESCRIPTION	MAKE	MODEL	COMMENTS		
EQ01	RESIDENTIAL TOILET TISSUE DISPENSER			MOUNT 18" AFF CENTERLINE		
EQ02	24" TOWEL BAR			MOUNT 60" AFF CENTERLINE U.N.O.		
EQ03	HAND TOWEL RING			MOUNT 56" AFF CENTERLINE U.N.O.		
EQ04	FRAMED MIRROR (24"X 36")			MOUNT 42" AFF B.O. FRAME		
EQ05	ROBE HOOK			MOUNT 60" AFF CENTERLINE		
EQ06	RECESSED MEDICINE CABINET			MOUNT 42" AFF B.O. MIRROR		
EQ07	18" TOWEL BAR			MOUNT 60" AFF CENTERLINE U.N.O.		

3 <u>FLOOR PLAN_LEVEL 1</u> 1/4" = 1'-0"



GENERAL CONSTRUCTION NOTES

. CONTRACTOR TO THOROUGHLY FIELD VERIFY SITE PRIOR TO PRICING TO ENSURE FIELD CONDITIONS, DIMENSIONS AND QUANTITIES ARE CONSIDERED IN PREPARATION OF FINAL COSTS AND CONSTRUCTABILITY.

PARTITIONS (SUCH AS DUCTWORK, ETC.) TO ENSURE THAT

2. CONTRACTOR TO VERIFY PENETRATIONS THROUGH

ADEQUATE BRACING AND REINFORCEMENT ARE PROVIDED. 3. CONTRACTOR SHALL PROVIDE LABOR + MATERIALS AS REQUIRED FOR WORK WHICH MAY NOT FALL INTO JURISDICTION OF A SPECIFIC TRADE BUT IS REQUIRED FOR PROPER JOB

4. CONTRACTOR AND VENDORS SHALL DETERMINE AVAILABILITY OF ALL MATERIALS, ANY DELIVERY SCHEDULE THAT MAY CAUSE COORDINATION ISSUES DURING CONSTRUCTION / INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY, FOR POSSIBLE RE-EVALUATION OF MATERIAL DESIGNATION.

EXECUTION AND COMPLETION OF CONSTRUCTION.

5. CONTRACTOR TO VERIFY STUD WIDTHS, GAGES AND LIMITING HEIGHTS IDENTIFIED IN ASTM C754 AND MANUFACTURER'S LITERATURE.

6. ALL BACKING / NAILING SUBSTRATES SHOULD BE OF A FIRE RETARDANT MATERIAL.

7. CAULK GAPS WHERE INTERSECTIONS OF CONSTRUCTION ELEMENTS ARE NOT CRISP AND CONSISTENT. COORDINATE CAULKING & SEALANT WITH SPECIFICATIONS SHEET OR MANUAL,

8. CONTRACTOR SHALL VERIFY ALL EXISTING WALLS / DEMISING WALLS / CORE WALLS WHERE EXPOSED OR HIDDEN BEHIND NON-RATED MATERIAL IN ORDER TO PROVIDE INFILL AND PATCH ANY EXISTING OPENING TO MEET REQUIRED FIRE RATINGS.

INSTALL PER MANUFACTURERS INSTRUCTIONS.

9. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES. ANY MODIFICATIONS OR DEVIATION TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR REVIEW AND APPROVAL.

10. INSTALL MOISTURE RESISTANT GWB AREAS EXPOSED TO MOISTURE INCLUDING BUT NOT LIMITED TO TOILETS AND SINK LOCATIONS.

11. ALL WOOD OR OTHER COMBUSTIBLE MATERIALS OTHER THAN FINISH AND TRIM OVER NON-COMBUSTIBLE BACKING ARE REQUIRED TO BE FIRE RETARDANT TREATED.

12. ALL THERMAL AND SOUND INSULATING MATERIALS INCLUDING VAPOR RETARDERS WHERE USED SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX.

13. ALL NEW PARTITIONS IN SCOPE OF WORK AREA ARE TYPE 'A1' NON-INSULATED UNLESS TAGGED OTHERWISE.

14. ALL DEVICES ADDED WITHIN EXISTING FIRE RATED WALLS TO BE PROVIDED WITH FIRESTOPPING OR INSTALLED IN SURFACE MOUNTED CONDUIT.

15. ALL NEW DOORS ARE 6" OFF ADJACENT WALL U.N.O.

16. FURNITURE AND EQUIPMENT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO CONFIRM FINAL FURNITURE AND EQUIPMENT LAYOUT WITH OWNER. CONTRACTOR TO COORDINATE EXACT POWER / DATA FURNITURE REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

17. REFER TO SHEET G0.01 FOR DRAWING SYMBOLS.

18. REFER TO SHEET A6.10 FOR DOOR INFORMATION, SCHEDULES AND DETAILS.

19. REFER TO A8 SHEET SERIES FOR FINISH INFORMATION AND SCHEDULES.

20. IN THE CASE OF MINOR DISCREPANCIES BETWEEN MEP AND COMPONENTS, THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN. IN THE CASE OF MAJOR DISCREPANCIES, THE ARCHITECT SHALL BE NOTIFIED AS SOON AS THE DISCREPANCY IS DISCOVERED PRIOR TO PROCEEDING WITH THE WORK.

21. ACCESS DOOR LOCATIONS IN GYPSUM BOARD CEILINGS ARE INDICATED ON RCP'S ONLY WHERE ARCHITECTURALLY SIGNIFICANT. REFERENCE SPECIFICATIONS AND MEP DRAWINGS FOR OTHER ACCESS DOOR LOCATIONS.

22. CONTRACTOR TO ENSURE EXISTING OPENINGS RECEIVING NEW WINDOWS ARE FREE OF DEBRIS THAT WOULD INTERFERE W/ CAULK JOINT I.E. DIRT, FLAKING PAINT, OLD SEALANT, ETC.

FLOOR PLAN COMPONENT TAGGING REFERENCES 1. SEE SHEET A6.10 FOR DOOR SCHEDULE AND DOOR HARDWARE. 2. SEE SHEET A6.10 FOR WINDOW SCHEDULE. 3. SEE SHEET A6.10 FOR PARTITION TYPES.

FIRE ESCAPE NOTES FIRE ESCAPE INSPECTION WAS PERFORMED BY ADVANTAGE GROUP ENGINEERS.

CONTRACTOR TO REVIEW DEFICIENCY REPORT AND INCLUDE REPAIRS IN CONSTRUCTION BID. REFER TO EXHIBIT A: FIRE ESCAPE INSPECTION FIELD REPORT.

CONSTRUCTION KEYNOTES

REFER TO FIRE ESCAPE NOTES ON A2 SHEET SERIES.

1.1 EXISTING WIRE SHELVING TO REMAIN. 4.4 REPLACE SPALDING BRICK

REPORT IS DATED JUNE 22, 2023.

4.5 REPLACE DAMAGED BRICK ADDRESS CRACKS IN MORTOR JOINTS. ADDRESS DETERIORATED MORTOR JOINTS. ADDRESS CRACKS IN BRICK.

5.2 EXISTING DOWNSPOUTS TO REMAIN. REPAINT. NEW WOOD GUARD / HAND RAILS W/ WOOD VERTICAL PICKETS. REF DETAILS A5.00

NEW WOOD HANDRAIL. REF DETAILS A5.00. 6.3 ADD TWO LAYERS OF 5/8" MOLD / MILDEW RESISTENT DRYWALL TO UNOCCUPIED SIDE OF WALL IN ADDITION TO THE ONE LAYER EXISTING ON EACH SIDE OF WALL (UL 408)

6..4 ADD NEW STEP. REMOVE DEBRIS FROM GUTTERS, TYP.

NEW LOUVER TO FILL HISTORIC MASONRY OPENING. FIELD NEW WINDOW: FIXED, VINYL, INSULATED LOW-E GLASS WINDOW. NEW QUARTZ COUNTERTOP W/ FULL HEIGHT TILE BACKSPLASH. NEW SINK & FAUCET. REFER TO GENERAL A8 SERIES FOR GENERAL

FINISH NOTES & PLUMBING FIXTURE BASIS OF DESIGN PRODUCTS. EXISTING CABINETRY IS TO REMAIN. 2 LVT TREADS W/ VINYL RISERS AND NOSINGS. 10.1 GLASS SHOWER DOOR SYSTEM

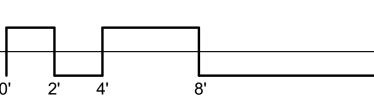
10.2 CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF

10.3 NEW KNOX BOX 10.4 PROVIDE SECURITY FILM AT GLASS. 10.5 PROVIDE (5) WHITE MELAMINE SHELVES

11.1 PROVIDE NEW MAILBOX (USPS COMPLIANT) TO MATCH EXISTING (4) VERTICAL ORIENTATION 23.1 REFER TO MECHANICAL & PLUMBING PLANS

23.2 REFER TO MECHANICAL PLANS. 26.1 NEW LIGHT FIXTURE 26.2 NEW LED EXTERIOR LIGHT

26.3 CENTER SINGLE LIGHT/ CEILING FAN/ EXHAUST TO THE ROOM. 26.4 REUSE EXTERIOR UP/DW FROM NEW BUILDING ATTIC STOCK 27 PROVIDE NEW DOORBELL FOR EACH RESIDENCE. PROVIDE ENGRAVED PLATE WITH APT NUMBERS



ARCHITECT & INTERIOR DESIGN

ARCX STUDIO

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

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MEP ENGINEER

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

859.261.0585

CITY GOSPEL MISSION



REVISION

DESCRIPTION DATE

ISSUED FOR

PERMIT 06-27-2023

SHEET NAME **FLOOR PLANS**

SHEET NO.

1475 SF 301

EXISTING ROOF HATCH

L = = = = <u>_</u>

FLOOR PLAN_LEVEL 2

FLOOR PLAN_ATTIC 1/4" = 1'-0"

1/4" = 1'-0"

APPLIANCE NOTES

. APPLIANCES ARE LISTED AS BASIS OF DESIGN. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY OWNER OR ARCHITECT. NOTIFY OWNER & ARCHITECT OF LEAD TIMES.

2. ACCEPTABLE MANUFACTURERS ARE: GENERAL ELECTRIC, WHIRLPOOL AND KITCHENAID.

3. GARBAGE DISPOSALS ARE $\underline{\mathsf{NOT}}$ INCLUDED IN SCOPE OF WORK.

4. DISHWASHERS ARE <u>NOT</u> INCLUDED IN SCOPE OF WORK.

5. APPLIANCES / FIXTURES ARE TO BE ENERGY STAR RATED AND EPA WATERSENSE WHERE APPLICABLE.

6. NOTIFY OWNER OF APPLIANCE LEAD TIMES.

APPLIANCES WILL BE PURCHASED AND INSTALLED BY CONTRACTOR.

8. REFER TO PLANS AND INTERIOR ELEVATIONS FOR QUANTITIES AND LOCATIONS OF APPLIANCES. 9. APPLIANCES SHOULD BE SOURCED FROM THE SAME MANUFACTURER.

APPLIANCE SCHEDULE

CODE	DESCRIPTION	MAKE	MODEL
MW	OVER-THE-RANGE MICROWAVE 30" W, STAINLESS STEEL FINISH, RECIRCULATING	GENERAL ELECTRIC	JVM3160RFSS
REF	REFRIGERATOR 30" W, STANDARD DEPTH, STAINLESS STEEL FINISH BOTTOM DRAWER FREEZER TOP SINGLE DOOR REFRIGERATOR ICE MAKER NOT REQ'D	GENERAL ELECTRIC	GBE21DYKFS 21 CU FT
RNG	ELECTRIC RANGE 30" W, STAINLESS STEEL FINISH	GENERAL ELECTRIC	JB6FFSKSS

MARK	DESCRIPTION	MAKE	MODEL	COMMENTS
EQ01	RESIDENTIAL TOILET TISSUE DISPENSER			MOUNT 18" AFF CENTERLINE
EQ02	24" TOWEL BAR			MOUNT 60" AFF CENTERLINE U.N.(
EQ03	HAND TOWEL RING			MOUNT 56" AFF CENTERLINE U.N.(
EQ04	FRAMED MIRROR (24"X 36")			MOUNT 42" AFF B. FRAME
EQ05	ROBE HOOK			MOUNT 60" AFF CENTERLINE
EQ06	RECESSED MEDICINE CABINET			MOUNT 42" AFF B. MIRROR
EQ07	18" TOWEL BAR			MOUNT 60" AFF CENTERLINE U.N.

INSULATION SCHEDULE **TYPE NOTES LOCATION** R-VALUE FIBERGLASS BATTS - ACOUSTIC FILL STUD CAVITY MECHANICAL CLOSET WALLS R-13 MIN. FILL STUD CAVITY BATHROOM WALLS FIBERGLASS BATTS - ACOUSTIC R-13 MIN. PLUMBING CHASE WALLS FIBERGLASS BATTS STAPLED TO STUDS - ACOUSTIC R-13 MIN. PROVIDE PIPE INSULATION NEW EXTERIOR FRAMED WALLS FIBERGLASS BATTS R-19 MIN. FILL CAVITY STAIR HALL ENCLOSURE WALLS FIBERGLASS BATTS - ACOUSTIC R-13 FILL CAVITY & COORD W/ FIRE-RATING & UL ASSEMBL UNOCCUPIED ATTIC FLOOR FIBERGLASS BATTS R-38 MIN. INSULATION IN JOIST CAVITY OF ATTIC FLOOR CEILING B/W BASEMENT/RESIDENTIAL COORD W/ UL ASSEMBLY & FIRE RATING FIBERGLASS BATTS R-30

GENERAL CONSTRUCTION NOTES

. CONTRACTOR TO THOROUGHLY FIELD VERIFY SITE PRIOR TO PRICING TO ENSURE FIELD CONDITIONS, DIMENSIONS AND QUANTITIES ARE CONSIDERED IN PREPARATION OF FINAL COSTS AND CONSTRUCTABILITY.

PARTITIONS (SUCH AS DUCTWORK, ETC.) TO ENSURE THAT

2. CONTRACTOR TO VERIFY PENETRATIONS THROUGH

ADEQUATE BRACING AND REINFORCEMENT ARE PROVIDED. 3. CONTRACTOR SHALL PROVIDE LABOR + MATERIALS AS REQUIRED FOR WORK WHICH MAY NOT FALL INTO JURISDICTION ARCHITECT & INTERIOR DESIGN

1616 VINE STREET, CINCINNATI, OH 45202

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

ENIGINEERED BUILDING SERVICES, INC.

RENOVATION

ARCX STUDIO PROJECT NUMBER

127-129 GOETHE ST CINCINNATI, 45202

CITY GOSPEL MISSION

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

HTCTC - 127-129 GOETHE

KATHERINE CONNER

ARC.1817276, EXP. 12/31/2023

ARCX STUDIO

FIRM.18314012

513.832.1302

513.396.8900

859.261.0585

MEP ENGINEER

4. CONTRACTOR AND VENDORS SHALL DETERMINE AVAILABILITY OF ALL MATERIALS, ANY DELIVERY SCHEDULE THAT MAY CAUSE COORDINATION ISSUES DURING CONSTRUCTION / INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY, FOR POSSIBLE RE-EVALUATION OF MATERIAL DESIGNATION.

OF A SPECIFIC TRADE BUT IS REQUIRED FOR PROPER JOB

EXECUTION AND COMPLETION OF CONSTRUCTION.

5. CONTRACTOR TO VERIFY STUD WIDTHS, GAGES AND LIMITING HEIGHTS IDENTIFIED IN ASTM C754 AND MANUFACTURER'S LITERATURE.

6. ALL BACKING / NAILING SUBSTRATES SHOULD BE OF A FIRE RETARDANT MATERIAL.

7. CAULK GAPS WHERE INTERSECTIONS OF CONSTRUCTION ELEMENTS ARE NOT CRISP AND CONSISTENT. COORDINATE CAULKING & SEALANT WITH SPECIFICATIONS SHEET OR MANUAL,

8. CONTRACTOR SHALL VERIFY ALL EXISTING WALLS / DEMISING WALLS / CORE WALLS WHERE EXPOSED OR HIDDEN BEHIND NON-RATED MATERIAL IN ORDER TO PROVIDE INFILL AND PATCH ANY EXISTING OPENING TO MEET REQUIRED FIRE RATINGS.

INSTALL PER MANUFACTURERS INSTRUCTIONS.

9. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES. ANY MODIFICATIONS OR DEVIATION TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR REVIEW AND APPROVAL.

10. INSTALL MOISTURE RESISTANT GWB AREAS EXPOSED TO MOISTURE INCLUDING BUT NOT LIMITED TO TOILETS AND SINK LOCATIONS.

11. ALL WOOD OR OTHER COMBUSTIBLE MATERIALS OTHER THAN FINISH AND TRIM OVER NON-COMBUSTIBLE BACKING ARE REQUIRED TO BE FIRE RETARDANT TREATED.

12. ALL THERMAL AND SOUND INSULATING MATERIALS INCLUDING VAPOR RETARDERS WHERE USED SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX.

13. ALL NEW PARTITIONS IN SCOPE OF WORK AREA ARE TYPE 'A1' NON-INSULATED UNLESS TAGGED OTHERWISE.

14. ALL DEVICES ADDED WITHIN EXISTING FIRE RATED WALLS TO BE PROVIDED WITH FIRESTOPPING OR INSTALLED IN SURFACE MOUNTED CONDUIT.

15. ALL NEW DOORS ARE 6" OFF ADJACENT WALL U.N.O.

16. FURNITURE AND EQUIPMENT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO CONFIRM FINAL FURNITURE AND EQUIPMENT LAYOUT WITH OWNER. CONTRACTOR TO COORDINATE EXACT POWER / DATA FURNITURE REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

17. REFER TO SHEET G0.01 FOR DRAWING SYMBOLS.

18. REFER TO SHEET A6.10 FOR DOOR INFORMATION, SCHEDULES AND DETAILS.

19. REFER TO A8 SHEET SERIES FOR FINISH INFORMATION AND SCHEDULES.

20. IN THE CASE OF MINOR DISCREPANCIES BETWEEN MEP AND COMPONENTS, THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN. IN THE CASE OF MAJOR DISCREPANCIES, THE ARCHITECT SHALL BE NOTIFIED AS SOON AS THE DISCREPANCY IS DISCOVERED PRIOR TO PROCEEDING WITH THE WORK.

21. ACCESS DOOR LOCATIONS IN GYPSUM BOARD CEILINGS ARE INDICATED ON RCP'S ONLY WHERE ARCHITECTURALLY SIGNIFICANT. REFERENCE SPECIFICATIONS AND MEP DRAWINGS FOR OTHER ACCESS DOOR LOCATIONS.

22. CONTRACTOR TO ENSURE EXISTING OPENINGS RECEIVING NEW WINDOWS ARE FREE OF DEBRIS THAT WOULD INTERFERE W/ CAULK JOINT I.E. DIRT, FLAKING PAINT, OLD SEALANT, ETC.

FLOOR PLAN COMPONENT TAGGING REFERENCES 1. SEE SHEET A6.10 FOR DOOR SCHEDULE AND DOOR HARDWARE. 2. SEE SHEET A6.10 FOR WINDOW SCHEDULE. 3. SEE SHEET A6.10 FOR PARTITION TYPES.

FIRE ESCAPE NOTES FIRE ESCAPE INSPECTION WAS PERFORMED BY ADVANTAGE

GROUP ENGINEERS. CONTRACTOR TO REVIEW DEFICIENCY REPORT AND INCLUDE REPAIRS IN CONSTRUCTION BID.

REFER TO EXHIBIT A: FIRE ESCAPE INSPECTION FIELD REPORT. REPORT IS DATED JUNE 22, 2023.

CONSTRUCTION KEYNOTI	ES

1.1 EXISTING WIRE SHELVING TO REMAIN. 4.4 REPLACE SPALDING BRICK

4.5 REPLACE DAMAGED BRICK 4.6 ADDRESS CRACKS IN MORTOR JOINTS. ADDRESS DETERIORATED MORTOR JOINTS. 8 ADDRESS CRACKS IN BRICK.

REFER TO FIRE ESCAPE NOTES ON A2 SHEET SERIES.

5.2 EXISTING DOWNSPOUTS TO REMAIN. REPAINT. NEW WOOD GUARD / HAND RAILS W/ WOOD VERTICAL PICKETS. REF DETAILS A5.00 NEW WOOD HANDRAIL. REF DETAILS A5.00.

6.3 ADD TWO LAYERS OF 5/8" MOLD / MILDEW RESISTENT DRYWALL TO UNOCCUPIED SIDE OF WALL IN ADDITION TO THE ONE LAYER EXISTING ON EACH SIDE OF WALL (UL 408) 6..4 ADD NEW STEP.

REMOVE DEBRIS FROM GUTTERS, TYP. NEW LOUVER TO FILL HISTORIC MASONRY OPENING. FIELD

NEW WINDOW: FIXED, VINYL, INSULATED LOW-E GLASS WINDOW. NEW QUARTZ COUNTERTOP W/ FULL HEIGHT TILE BACKSPLASH. NEW SINK & FAUCET. REFER TO GENERAL A8 SERIES FOR GENERAL FINISH NOTES & PLUMBING FIXTURE BASIS OF DESIGN PRODUCTS. EXISTING CABINETRY IS TO REMAIN.

9.2 LVT TREADS W/ VINYL RISERS AND NOSINGS. 10.1 GLASS SHOWER DOOR SYSTEM

10.2 CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF CLOSET.

10.3 NEW KNOX BOX 10.4 PROVIDE SECURITY FILM AT GLASS. 10.5 PROVIDE (5) WHITE MELAMINE SHELVES 11.1 PROVIDE NEW MAILBOX (USPS COMPLIANT) TO MATCH EXISTING (4)

VERTICAL ORIENTATION 23.1 REFER TO MECHANICAL & PLUMBING PLANS 23.2 REFER TO MECHANICAL PLANS.

26.1 NEW LIGHT FIXTURE

26.2 NEW LED EXTERIOR LIGHT

26.3 CENTER SINGLE LIGHT/ CEILING FAN/ EXHAUST TO THE ROOM. 26.4 REUSE EXTERIOR UP/DW FROM NEW BUILDING ATTIC STOCK 27 PROVIDE NEW DOORBELL FOR EACH RESIDENCE. PROVIDE

ENGRAVED PLATE WITH APT NUMBERS

SHEET NO.

ISSUED FOR

PERMIT

SHEET NAME

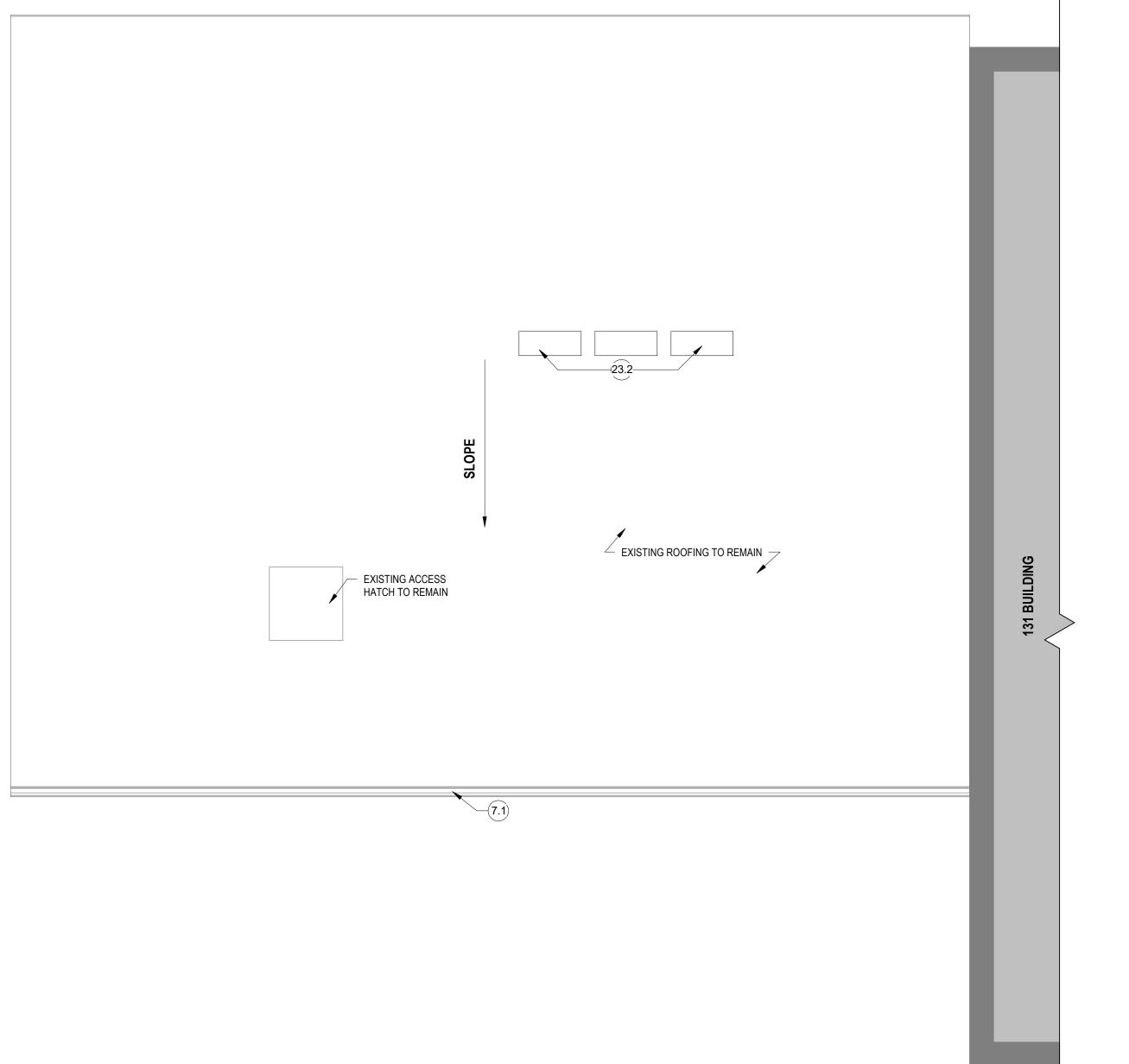
06-27-2023

FLOOR PLANS

REVISION

DESCRIPTION

DATE



. WASHING MACHINES AND DRYERS WILL BE OWNER PROVIDED AND CONTRACTOR INSTALLED. ALL OTHER CLOSED CELL R-48 (R-38 MIN.) CEILING OF OCCUPIED ATTIC INSULATION IN JOIST CAVITY (FILL CAVITY) CEILING B/W BREEZEWAY/OCCUPIED SPACE FIBERGLASS BATTS R-30 MIN. FILL CAVITY R-13 MIN. CEILING B/W FLOORS OF SAME RESIDENCE FIBERGLASS BATTS - ACOUSTIC CEILING B/W FLRS OF SEPARATE RESIDENCES | FIBERGLASS BATTS - ACOUSTIC R-13 MIN. NOTES: COORDINATE ALL W/ FIRE RATING & U.L. ASSEMBLY. PROVIDE R19 MINERAL WOOL BATT. INSULATION AT BASEMENT RIM BD. THROUGHOUT.

ROOF PLAN
1/4" = 1'-0"

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"



2. PROVIDE ALLOWANCE FOR BATHROOM ACCESSORIES AS SHOWN ON FLOOR PLANS AND INTERIOR ELEVATIONS. 3. MAKE / COLLECTION / MODEL / FINISH IS TO BE DETERMINED.

	RESTROOM /	BATHROOM ACCESSORIE	ES	
MARK	DESCRIPTION	MAKE	MODEL	COMMENTS
EQ01	RESIDENTIAL TOILET TISSUE DISPENSER			MOUNT 18" AFF CENTERLINE
EQ02	24" TOWEL BAR			MOUNT 60" AFF CENTERLINE U.N.O
EQ03	HAND TOWEL RING			MOUNT 56" AFF CENTERLINE U.N.C
EQ04	FRAMED MIRROR (24"X 36")			MOUNT 42" AFF B.C FRAME
EQ05	ROBE HOOK			MOUNT 60" AFF CENTERLINE
EQ06	RECESSED MEDICINE CABINET			MOUNT 42" AFF B.C MIRROR
EQ07	18" TOWEL BAR			MOUNT 60" AFF CENTERLINE U.N.O

ARCHITECT & INTERIOR DESIGN ARCX STUDIO

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC. 1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206 513.396.8900

MEP ENGINEER ENIGINEERED BUILDING SERVICES, INC.

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

OWNER CITY GOSPEL MISSION



REVISION

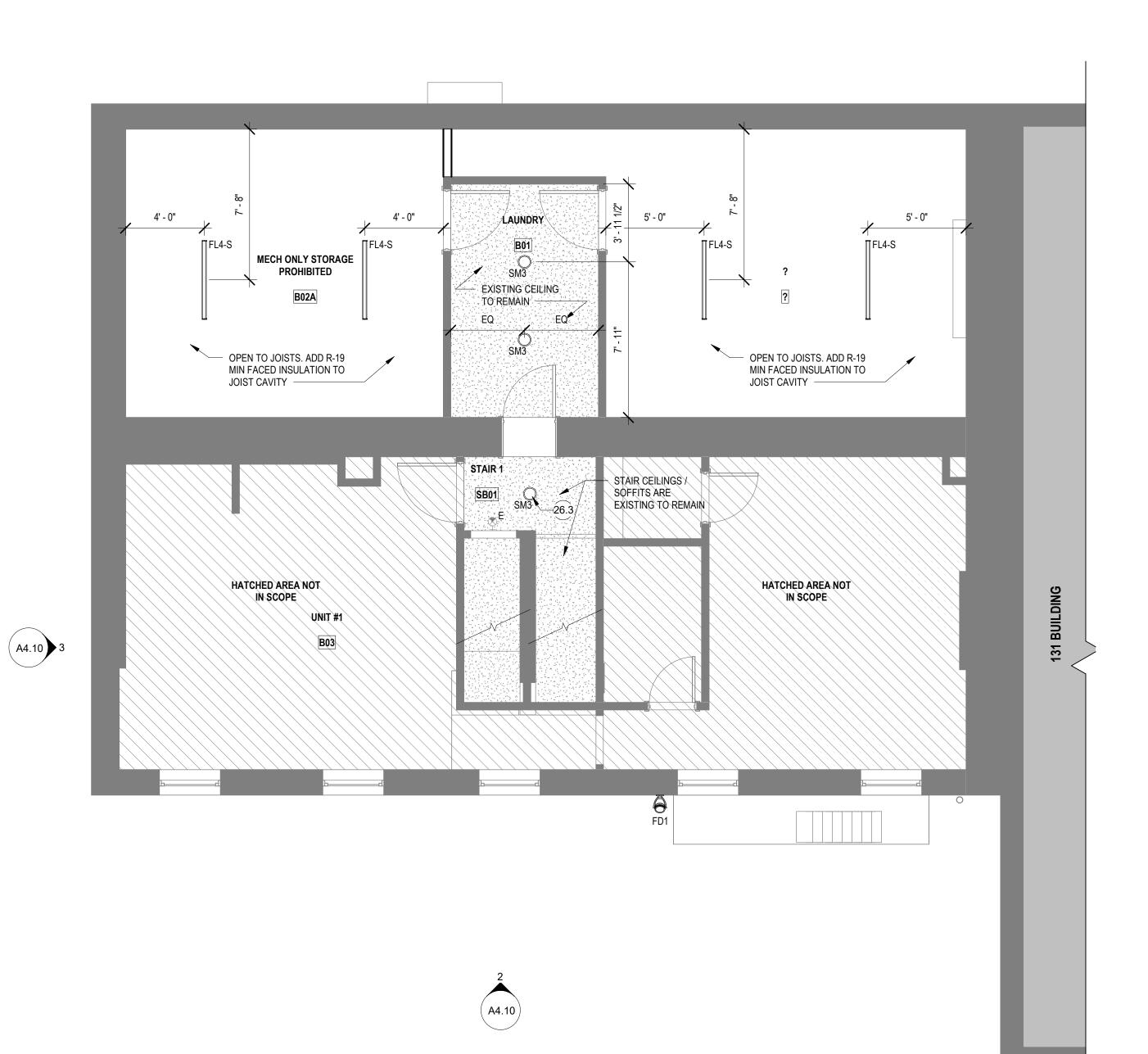
Δ	DESCRIPTION	DATE		

ISSUED FOR

SHEET NAME

PERMIT 06-27-2023

INTERIOR ELEVATIONS



REFLECTED CEILING PLAN_SUB BASEMENT

PEFLECTED CEILING PLAN_BASEMENT 1/4" = 1'-0"

1/4" = 1'-0"

NOTE: LIGHT FIXTURES HAVE NOT BEEN REVIEWED BY OWNERSHIP BUT ARE LISTED AS BASIS OF DESIGN FOR PRELIMINARY PRICING PURPOSES.

HATCHED AREA NOT

IN SCOPE

STAIR CEILINGS /

EXISTING TO REMAIN

(A4.10)

STAIR 1

SOFFITS ARE

HATCHED AREA NOT

REFLECTED CEILING PLAN_LEVEL 1
1/4" = 1'-0"

(A4.10) 3

			LIGHT FIXTURE SCHEDULE			
MARK	FIXTURE NAME	MANUFACTURER	MODEL	COLOR / FINISH	CONTACT	MOUNTING HEIGHT / REMARKS
EE2	EXTERIOR LED WALL MOUNT	LITHONIA LIGHTING	TWR2 LED 1 50K MVOLT PE DDBTXD			
EE4	DECORATIVE EXTERIOR WALL LIGHT	BASE LITE	SB16-50-E3-LED12W-30K-LDMO-10V-BA6	VERIFY		
EE5	REUSE CYLINDRICAL UP/ DOWN	LITON	WD1360-DG-L20-B02-UE-DUN-T35			ATTIC STOCK FROM NEW PROJ
EF	EXHAUST FAN					REFER TO MECH.
EL	LED EGRESS/ EMERGENCY LIGHT	LITHONIA LIGHTING	EU2C			
EL2	EXTERIOR LED WALL MOUNT	LITHONIA LIGHTING	TWR2 LED 1 50K PE			
ER	EMERGENCY REMOTE HEAD	LITHONIA LIGHTING	ERE X SGL SQ WP			
ESL	EMERGENCY LIGHTING/ EXIT SIGN COMBO	LITHONIA LIGHTING	ECRG HO RD M6			
F1	CEILING FAN WITH LIGHT KIT	RP LIGHTING	ALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL CONTROL.			
FD1	FLOOD LIGHT	SUNLITE	DUAL HEAD W/ MOTION SENSOR ; 88907-SU LFX/OSF/R/MS/20W/50K/BK			REFER TO BUILDING ELEVATIONS
FL2-S	SUSPENDED LED STRIP LIGHT	LITHONIA LIGHTING	MNSL L23 1LL MVOLT 40K 80 CRI M6			
FL4	CEILING MOUNTED LED STRIP LIGHT	LITHONIA LIGHTING	CSS L48 AL03 MVOLT SWW3 80CRI			
FL4-S	SUSPENDED LED STRIP LIGHT	LITHONIA LIGHTING	CSS L484 AL03 MVOLT SWW3 80CRI			
SM1	8" SURFACE MOUNT DISC LIGHT	AFX LIGHTING	EGRF08LAJD1WH			
SM2	6" SURFACE MOUNT DISC LIGHT	AFX LIGHTING	EGRF06LAJD1WH			WET RATED.
SM3	7" JUNO SLIMFORM LE SURFACE MOUNT DOWNLIGHT	JSF LIGHTING	JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH			
SM4	2'X2' LAY-IN PANEL	LITHONIA LIGHTING	EPANL 2X2 4800LM 35K ZT MVOLT			
UC8	UNDER CABINET LIGHTING	WAC LIGHTING	120V 3-CCT BARLIGHT BA-AC08-CS 35K-90-WH			
UC18	UNDER CABINET LIGHTING	WAC LIGHTING	120V 3-CCT BARLIGHT BA-AC18-CS 35K-90-WH			
V2	VANITY LIGHT	SHADES OF LIGHT	VERSATILE VANITY LIGHT - 2 LIGHT. SKU: BS18162 SN SATIN			

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR TO THOROUGHLY FIELD VERIFY SITE PRIOR TO PRICING TO ENSURE FIELD CONDITIONS, DIMENSIONS AND QUANTITIES ARE CONSIDERED IN PREPARATION OF FINAL COSTS AND CONSTRUCTABILITY.

2. CONTRACTOR TO VERIFY PENETRATIONS THROUGH

PARTITIONS (SUCH AS DUCTWORK, ETC.) TO ENSURE THAT ADEQUATE BRACING AND REINFORCEMENT ARE PROVIDED.

3. CONTRACTOR SHALL PROVIDE LABOR + MATERIALS AS REQUIRED FOR WORK WHICH MAY NOT FALL INTO JURISDICTION OF A SPECIFIC TRADE BUT IS REQUIRED FOR PROPER JOB EXECUTION AND COMPLETION OF CONSTRUCTION.

4. CONTRACTOR AND VENDORS SHALL DETERMINE AVAILABILITY OF ALL MATERIALS, ANY DELIVERY SCHEDULE THAT MAY CAUSE COORDINATION ISSUES DURING CONSTRUCTION / INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY, FOR POSSIBLE RE-EVALUATION OF MATERIAL DESIGNATION.

5. CONTRACTOR TO VERIFY STUD WIDTHS, GAGES AND LIMITING HEIGHTS IDENTIFIED IN ASTM C754 AND MANUFACTURER'S LITERATURE.

6. ALL BACKING / NAILING SUBSTRATES SHOULD BE OF A FIRE RETARDANT MATERIAL.

7. CAULK GAPS WHERE INTERSECTIONS OF CONSTRUCTION ELEMENTS ARE NOT CRISP AND CONSISTENT. COORDINATE CAULKING & SEALANT WITH SPECIFICATIONS SHEET OR MANUAL,

8. CONTRACTOR SHALL VERIFY ALL EXISTING WALLS / DEMISING WALLS / CORE WALLS WHERE EXPOSED OR HIDDEN BEHIND NON-RATED MATERIAL IN ORDER TO PROVIDE INFILL AND PATCH ANY EXISTING OPENING TO MEET REQUIRED FIRE RATINGS.

INSTALL PER MANUFACTURERS INSTRUCTIONS.

9. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES. ANY MODIFICATIONS OR DEVIATION TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR REVIEW AND APPROVAL.

10. INSTALL MOISTURE RESISTANT GWB AREAS EXPOSED TO MOISTURE INCLUDING BUT NOT LIMITED TO TOILETS AND SINK LOCATIONS.

11. ALL WOOD OR OTHER COMBUSTIBLE MATERIALS OTHER THAN FINISH AND TRIM OVER NON-COMBUSTIBLE BACKING ARE REQUIRED TO BE FIRE RETARDANT TREATED.

12. ALL THERMAL AND SOUND INSULATING MATERIALS INCLUDING VAPOR RETARDERS WHERE USED SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX.

13. ALL NEW PARTITIONS IN SCOPE OF WORK AREA ARE TYPE 'A1' NON-INSULATED UNLESS TAGGED OTHERWISE.

14. ALL DEVICES ADDED WITHIN EXISTING FIRE RATED WALLS TO BE PROVIDED WITH FIRESTOPPING OR INSTALLED IN SURFACE MOUNTED CONDUIT.

15. ALL NEW DOORS ARE 6" OFF ADJACENT WALL U.N.O.

16. FURNITURE AND EQUIPMENT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO CONFIRM FINAL FURNITURE AND EQUIPMENT LAYOUT WITH OWNER. CONTRACTOR TO COORDINATE EXACT POWER / DATA FURNITURE REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

17. REFER TO SHEET G0.01 FOR DRAWING SYMBOLS. 18. REFER TO SHEET A6.10 FOR DOOR INFORMATION,

SCHEDULES AND DETAILS. 19. REFER TO A8 SHEET SERIES FOR FINISH INFORMATION AND

20. IN THE CASE OF MINOR DISCREPANCIES BETWEEN MEP AND COMPONENTS, THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN. IN THE CASE OF MAJOR DISCREPANCIES, THE ARCHITECT SHALL BE NOTIFIED AS SOON AS THE DISCREPANCY IS DISCOVERED PRIOR TO PROCEEDING WITH THE WORK.

21. ACCESS DOOR LOCATIONS IN GYPSUM BOARD CEILINGS ARE INDICATED ON RCP'S ONLY WHERE ARCHITECTURALLY SIGNIFICANT. REFERENCE SPECIFICATIONS AND MEP DRAWINGS FOR OTHER ACCESS DOOR LOCATIONS.

22. CONTRACTOR TO ENSURE EXISTING OPENINGS RECEIVING NEW WINDOWS ARE FREE OF DEBRIS THAT WOULD INTERFERE W/ CAULK JOINT I.E. DIRT, FLAKING PAINT, OLD SEALANT, ETC.

FLOOR PLAN COMPONENT TAGGING REFERENCES 1. SEE SHEET A6.10 FOR DOOR SCHEDULE AND DOOR HARDWARE. 2. SEE SHEET A6.10 FOR WINDOW SCHEDULE. 3. SEE SHEET A6.10 FOR PARTITION TYPES.

FIRE ESCAPE NOTES

SCHEDULES.

FIRE ESCAPE INSPECTION WAS PERFORMED BY ADVANTAGE GROUP ENGINEERS.

CONTRACTOR TO REVIEW DEFICIENCY REPORT AND INCLUDE REPAIRS IN CONSTRUCTION BID.

REFER TO EXHIBIT A: FIRE ESCAPE INSPECTION FIELD REPORT. REPORT IS DATED JUNE 22, 2023.

CONSTRUCTION KEYNOTES

1.1 EXISTING WIRE SHELVING TO REMAIN. 4.4 REPLACE SPALDING BRICK

4.5 REPLACE DAMAGED BRICK 4.6 ADDRESS CRACKS IN MORTOR JOINTS.

4.7 ADDRESS DETERIORATED MORTOR JOINTS. 4.8 ADDRESS CRACKS IN BRICK. REFER TO FIRE ESCAPE NOTES ON A2 SHEET SERIES.

2 EXISTING DOWNSPOUTS TO REMAIN. REPAINT.

EXISTING ON EACH SIDE OF WALL (UL 408)

REF DETAILS A5.00 6.2 NEW WOOD HANDRAIL. REF DETAILS A5.00. 6.3 ADD TWO LAYERS OF 5/8" MOLD / MILDEW RESISTENT DRYWALL TO UNOCCUPIED SIDE OF WALL IN ADDITION TO THE ONE LAYER

6.1 NEW WOOD GUARD / HAND RAILS W/ WOOD VERTICAL PICKETS.

6..4 ADD NEW STEP. REMOVE DEBRIS FROM GUTTERS, TYP.

NEW LOUVER TO FILL HISTORIC MASONRY OPENING. FIELD

NEW WINDOW: FIXED, VINYL, INSULATED LOW-E GLASS WINDOW. NEW QUARTZ COUNTERTOP W/ FULL HEIGHT TILE BACKSPLASH. NEW SINK & FAUCET. REFER TO GENERAL A8 SERIES FOR GENERAL FINISH NOTES & PLUMBING FIXTURE BASIS OF DESIGN PRODUCTS.

EXISTING CABINETRY IS TO REMAIN. 2 LVT TREADS W/ VINYL RISERS AND NOSINGS. 10.1 GLASS SHOWER DOOR SYSTEM

10.2 CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF

10.3 NEW KNOX BOX 10.4 PROVIDE SECURITY FILM AT GLASS.

10.5 PROVIDE (5) WHITE MELAMINE SHELVES 11.1 PROVIDE NEW MAILBOX (USPS COMPLIANT) TO MATCH EXISTING (4) VERTICAL ORIENTATION

23.1 REFER TO MECHANICAL & PLUMBING PLANS 23.2 REFER TO MECHANICAL PLANS.

26.1 NEW LIGHT FIXTURE 26.2 NEW LED EXTERIOR LIGHT

26.3 CENTER SINGLE LIGHT/ CEILING FAN/ EXHAUST TO THE ROOM. 26.4 REUSE EXTERIOR UP/DW FROM NEW BUILDING ATTIC STOCK 27 PROVIDE NEW DOORBELL FOR EACH RESIDENCE. PROVIDE

ENGRAVED PLATE WITH APT NUMBERS

ARCHITECT & INTERIOR DESIGN

ARCX STUDIO

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MEP ENGINEER

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ENIGINEERED BUILDING SERVICES, INC.

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HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION



DATE

REVISION DESCRIPTION

ISSUED FOR

SHEET NO.

PERMIT 06-27-2023

SHEET NAME

REFLECTED CEILING **PLANS**

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

 EXG 3/4" T&G WD OR NEW 3/4" PLYWOOD SUBFLOOR. REFER TO FLOOR FINISH PLANS FOR LOCATIONS. EXISTING FLOOR JOISTS - INSULATION (3) LAYERS 5/8" TYPE X GYP BD APPLIED AT RIGHT ANGLES TO 7/8" RIGID FURRING CHANNEL FACE LAYER 5/8" TYPE X GYP BD APPLIED AT RIGHT ANGLES TO FURRING CHANNELS - ADDITIONAL LAYER 5/8" TYPE X GYP BD WHERE INSULATION IS PRESENT IN JOIST CAVITY PER GA-600-2021 FIRE RESISTANCE

TYPE B- 2HR CEILING ASSEMBLY
1 1/2" = 1'-0"

1/4" = 1'-0"

FINISH FLOORING VARIES.

NOT PART OF FIRE ASSEMBLY.

AND SOUND CONTROL DESIGN

MANUAL EXPLANATORY NOTES

INSULATION EXISTING 2X10 WD FLOOR CONCEALED DUCTWORK -REFER MECH EXISTING CEILING HEIGHT ASSESS & RE-USE EXISTING SUPPORT MEMBERS, WHERE **FEASIBLE** TYPE D - NEW ATTIC CEILINGS (NON-RATED)

NOTE: LIGHT FIXTURES HAVE NOT BEEN REVIEWED BY OWNERSHIP BUT ARE LISTED AS BASIS OF DESIGN FOR PRELIMINARY PRICING PURPOSES.

			LIGHT FIXTURE SCHEDULE			
MARK	FIXTURE NAME	MANUFACTURER	MODEL	COLOR / FINISH	CONTACT	MOUNTING HEIGHT / REMARK
EE2	EXTERIOR LED WALL MOUNT	LITHONIA LIGHTING	TWR2 LED 1 50K MVOLT PE DDBTXD			
EE4	DECORATIVE EXTERIOR WALL LIGHT	BASE LITE	SB16-50-E3-LED12W-30K-LDMO-10V-BA6	VFRIFY		
EE5	REUSE CYLINDRICAL UP/ DOWN	LITON	WD1360-DG-L20-B02-UE-DUN-T35	72.111		ATTIC STOCK FROM NEW PROJ
EF	EXHAUST FAN		115 1000 50 500 500 500 500 100			REFER TO MECH.
EL .	LED EGRESS/ EMERGENCY LIGHT	LITHONIA LIGHTING	EU2C			
EL2	EXTERIOR LED WALL MOUNT	LITHONIA LIGHTING	TWR2 LED 1 50K PE			
ER	EMERGENCY REMOTE HEAD	LITHONIA LIGHTING	ERE X SGL SQ WP			
ESL	EMERGENCY LIGHTING/ EXIT SIGN COMBO	LITHONIA LIGHTING	ECRG HO RD M6			
F1	CEILING FAN WITH LIGHT KIT	RP LIGHTING	ALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL CONTROL.			
FD1	FLOOD LIGHT	SUNLITE	DUAL HEAD W/ MOTION SENSOR ; 88907-SU LFX/OSF/R/MS/20W/50K/BK			REFER TO BUILDING ELEVATION
FL2-S	SUSPENDED LED STRIP LIGHT	LITHONIA LIGHTING	MNSL L23 1LL MVOLT 40K 80 CRI M6			
FL4	CEILING MOUNTED LED STRIP LIGHT	LITHONIA LIGHTING	CSS L48 AL03 MVOLT SWW3 80CRI			
FL4-S	SUSPENDED LED STRIP LIGHT	LITHONIA LIGHTING	CSS L484 AL03 MVOLT SWW3 80CRI			
SM1	8" SURFACE MOUNT DISC LIGHT	AFX LIGHTING	EGRF08LAJD1WH			
SM2	6" SURFACE MOUNT DISC LIGHT	AFX LIGHTING	EGRF06LAJD1WH			WET RATED.
SM3	7" JUNO SLIMFORM LE SURFACE MOUNT DOWNLIGHT	JSF LIGHTING	JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH			
SM4	2'X2' LAY-IN PANEL	LITHONIA LIGHTING	EPANL 2X2 4800LM 35K ZT MVOLT			
UC8	UNDER CABINET LIGHTING	WAC LIGHTING	120V 3-CCT BARLIGHT BA-AC08-CS 35K-90-WH			
UC18	UNDER CABINET LIGHTING	WAC LIGHTING	120V 3-CCT BARLIGHT BA-AC18-CS 35K-90-WH			
V2	VANITY LIGHT	SHADES OF LIGHT	VERSATILE VANITY LIGHT - 2 LIGHT. SKU: BS18162 SN SATIN			

PRICING TO ENSURE FIELD CONDITIONS, DIMENSIONS AND AND CONSTRUCTABILITY.

2. CONTRACTOR TO VERIFY PENETRATIONS THROUGH

REQUIRED FOR WORK WHICH MAY NOT FALL INTO JURISDICTION

4. CONTRACTOR AND VENDORS SHALL DETERMINE AVAILABILITY OF ALL MATERIALS, ANY DELIVERY SCHEDULE THAT MAY CAUSE COORDINATION ISSUES DURING CONSTRUCTION / INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY, FOR POSSIBLE RE-EVALUATION OF MATERIAL DESIGNATION.

OF A SPECIFIC TRADE BUT IS REQUIRED FOR PROPER JOB

EXECUTION AND COMPLETION OF CONSTRUCTION.

5. CONTRACTOR TO VERIFY STUD WIDTHS, GAGES AND LIMITING HEIGHTS IDENTIFIED IN ASTM C754 AND MANUFACTURER'S

6. ALL BACKING / NAILING SUBSTRATES SHOULD BE OF A FIRE RETARDANT MATERIAL.

7. CAULK GAPS WHERE INTERSECTIONS OF CONSTRUCTION ELEMENTS ARE NOT CRISP AND CONSISTENT. COORDINATE CAULKING & SEALANT WITH SPECIFICATIONS SHEET OR MANUAL, INSTALL PER MANUFACTURERS INSTRUCTIONS.

8. CONTRACTOR SHALL VERIFY ALL EXISTING WALLS / DEMISING WALLS / CORE WALLS WHERE EXPOSED OR HIDDEN BEHIND NON-RATED MATERIAL IN ORDER TO PROVIDE INFILL AND PATCH ANY EXISTING OPENING TO MEET REQUIRED FIRE RATINGS.

9. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES. ANY MODIFICATIONS OR DEVIATION TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR REVIEW AND APPROVAL.

10. INSTALL MOISTURE RESISTANT GWB AREAS EXPOSED TO MOISTURE INCLUDING BUT NOT LIMITED TO TOILETS AND SINK LOCATIONS.

11. ALL WOOD OR OTHER COMBUSTIBLE MATERIALS OTHER THAN FINISH AND TRIM OVER NON-COMBUSTIBLE BACKING ARE REQUIRED TO BE FIRE RETARDANT TREATED.

12. ALL THERMAL AND SOUND INSULATING MATERIALS INCLUDING VAPOR RETARDERS WHERE USED SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX.

13. ALL NEW PARTITIONS IN SCOPE OF WORK AREA ARE TYPE 'A1' NON-INSULATED UNLESS TAGGED OTHERWISE.

14. ALL DEVICES ADDED WITHIN EXISTING FIRE RATED WALLS TO BE PROVIDED WITH FIRESTOPPING OR INSTALLED IN SURFACE MOUNTED CONDUIT.

15. ALL NEW DOORS ARE 6" OFF ADJACENT WALL U.N.O.

16. FURNITURE AND EQUIPMENT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO CONFIRM FINAL FURNITURE AND EQUIPMENT LAYOUT WITH OWNER. CONTRACTOR TO COORDINATE EXACT POWER / DATA FURNITURE REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

17. REFER TO SHEET G0.01 FOR DRAWING SYMBOLS.

SCHEDULES.

18. REFER TO SHEET A6.10 FOR DOOR INFORMATION, SCHEDULES AND DETAILS.

19. REFER TO A8 SHEET SERIES FOR FINISH INFORMATION AND

20. IN THE CASE OF MINOR DISCREPANCIES BETWEEN MEP AND COMPONENTS, THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN. IN THE CASE OF MAJOR DISCREPANCIES, THE ARCHITECT SHALL BE NOTIFIED AS SOON AS THE DISCREPANCY IS DISCOVERED PRIOR TO PROCEEDING WITH THE WORK.

21. ACCESS DOOR LOCATIONS IN GYPSUM BOARD CEILINGS ARE INDICATED ON RCP'S ONLY WHERE ARCHITECTURALLY SIGNIFICANT. REFERENCE SPECIFICATIONS AND MEP DRAWINGS FOR OTHER ACCESS DOOR LOCATIONS.

22. CONTRACTOR TO ENSURE EXISTING OPENINGS RECEIVING NEW WINDOWS ARE FREE OF DEBRIS THAT WOULD INTERFERE W/ CAULK JOINT I.E. DIRT, FLAKING PAINT, OLD SEALANT, ETC.

FLOOR PLAN COMPONENT TAGGING REFERENCES 1. SEE SHEET A6.10 FOR DOOR SCHEDULE AND DOOR HARDWARE. 2. SEE SHEET A6.10 FOR WINDOW SCHEDULE. 3. SEE SHEET A6.10 FOR PARTITION TYPES.

FIRE ESCAPE NOTES
FIRE ESCAPE INSPECTION WAS PERFORMED BY ADVANTAGE GROUP ENGINEERS.

CONTRACTOR TO REVIEW DEFICIENCY REPORT AND INCLUDE REPAIRS IN CONSTRUCTION BID. REFER TO EXHIBIT A: FIRE ESCAPE INSPECTION FIELD REPORT. REPORT IS DATED JUNE 22, 2023.

CONSTRUCTION KEYNOTES 1.1 EXISTING WIRE SHELVING TO REMAIN. 4.4 REPLACE SPALDING BRICK 4.5 REPLACE DAMAGED BRICK 4.6 ADDRESS CRACKS IN MORTOR JOINTS. ADDRESS DETERIORATED MORTOR JOINTS. 4.8 ADDRESS CRACKS IN BRICK. REFER TO FIRE ESCAPE NOTES ON A2 SHEET SERIES. 2 EXISTING DOWNSPOUTS TO REMAIN. REPAINT. NEW WOOD GUARD / HAND RAILS W/ WOOD VERTICAL PICKETS. REF DETAILS A5.00 2 NEW WOOD HANDRAIL. REF DETAILS A5.00. 6.3 ADD TWO LAYERS OF 5/8" MOLD / MILDEW RESISTENT DRYWALL TO UNOCCUPIED SIDE OF WALL IN ADDITION TO THE ONE LAYER EXISTING ON EACH SIDE OF WALL (UL 408) 6..4 ADD NEW STEP. REMOVE DEBRIS FROM GUTTERS, TYP. NEW LOUVER TO FILL HISTORIC MASONRY OPENING. FIELD 2 NEW WINDOW: FIXED, VINYL, INSULATED LOW-E GLASS WINDOW. NEW QUARTZ COUNTERTOP W/ FULL HEIGHT TILE BACKSPLASH. NEW SINK & FAUCET. REFER TO GENERAL A8 SERIES FOR GENERAL FINISH NOTES & PLUMBING FIXTURE BASIS OF DESIGN PRODUCTS. EXISTING CABINETRY IS TO REMAIN.

9.2 LVT TREADS W/ VINYL RISERS AND NOSINGS. 10.1 GLASS SHOWER DOOR SYSTEM 10.2 CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF

10.3 NEW KNOX BOX 10.4 PROVIDE SECURITY FILM AT GLASS.

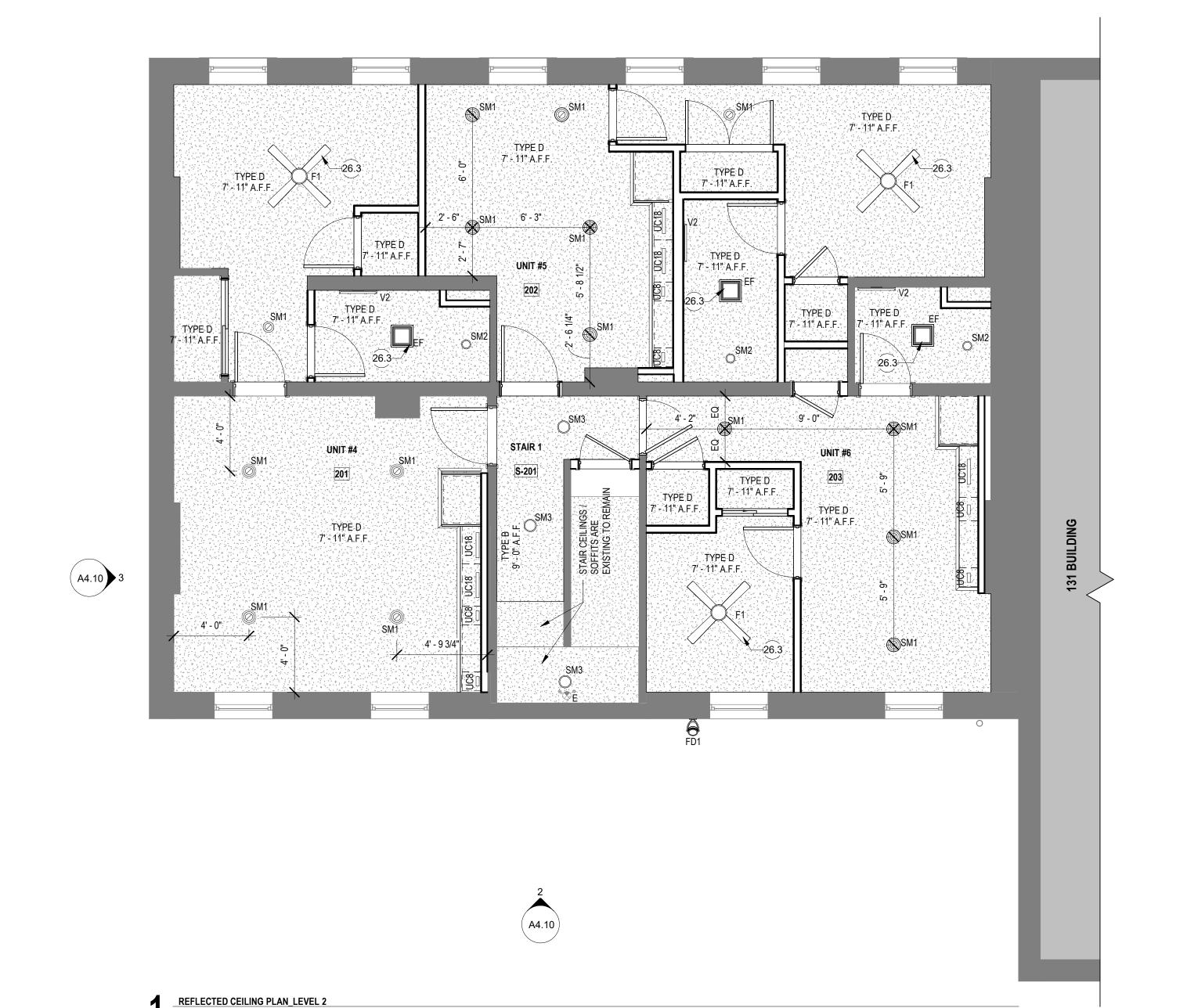
10.5 PROVIDE (5) WHITE MELAMINE SHELVES 11.1 PROVIDE NEW MAILBOX (USPS COMPLIANT) TO MATCH EXISTING (4) VERTICAL ORIENTATION

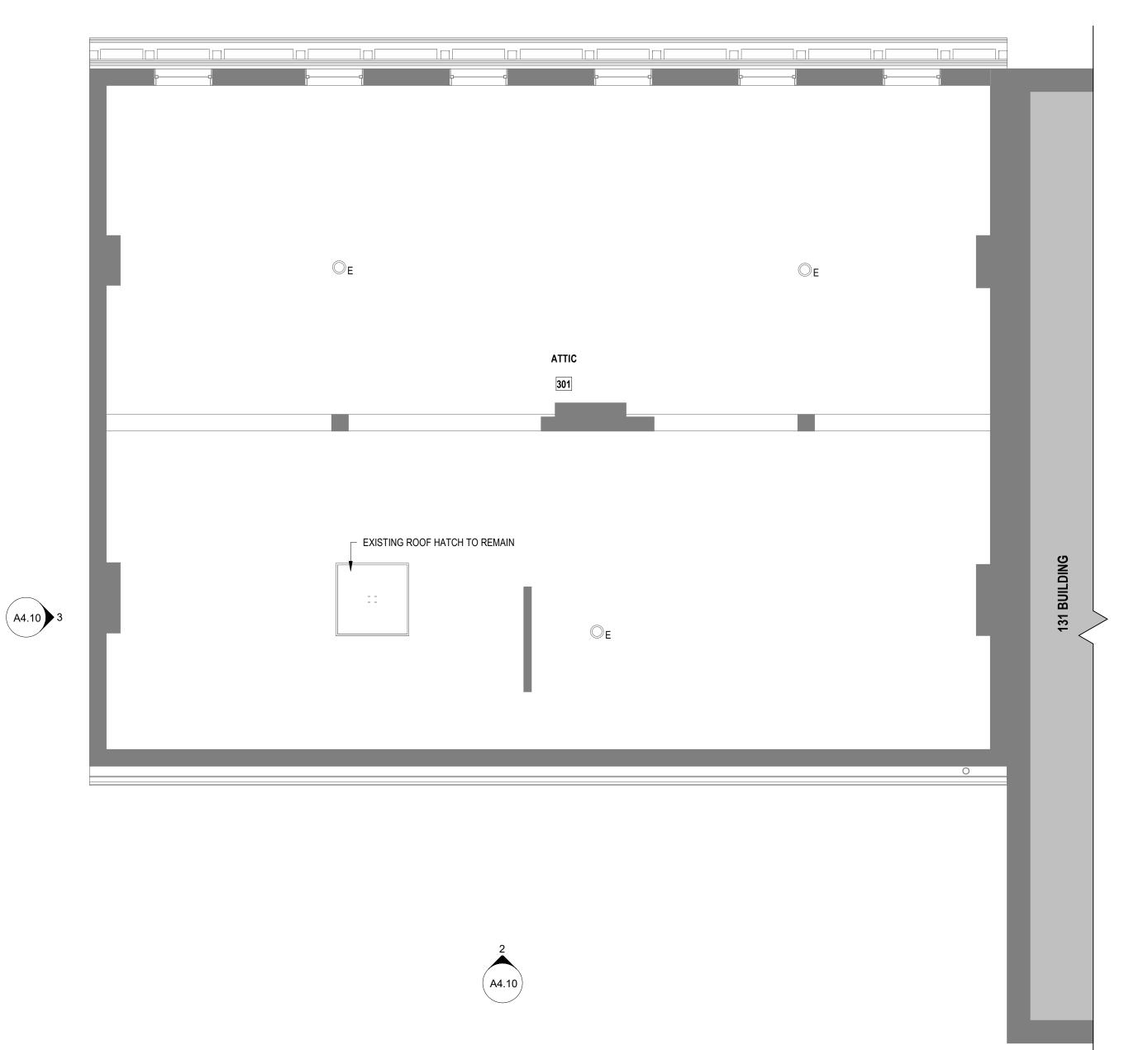
23.1 REFER TO MECHANICAL & PLUMBING PLANS 23.2 REFER TO MECHANICAL PLANS. 26.1 NEW LIGHT FIXTURE

26.2 NEW LED EXTERIOR LIGHT 26.3 CENTER SINGLE LIGHT/ CEILING FAN/ EXHAUST TO THE ROOM. 26.4 REUSE EXTERIOR UP/DW FROM NEW BUILDING ATTIC STOCK 27 PROVIDE NEW DOORBELL FOR EACH RESIDENCE. PROVIDE

ENGRAVED PLATE WITH APT NUMBERS

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"





REFLECTED CEILING PLAN_ATTIC

1/4" = 1'-0"

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR TO THOROUGHLY FIELD VERIFY SITE PRIOR TO QUANTITIES ARE CONSIDERED IN PREPARATION OF FINAL COSTS

PARTITIONS (SUCH AS DUCTWORK, ETC.) TO ENSURE THAT ADEQUATE BRACING AND REINFORCEMENT ARE PROVIDED. 3. CONTRACTOR SHALL PROVIDE LABOR + MATERIALS AS

> STRUCTURAL ENGINEER ADVANTAGE GROUP ENGINEERS, INC. 1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206 513.396.8900

> > MEP ENGINEER

859.261.0585

ARCX STUDIO

FIRM.18314012

513.832.1302

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

ARCHITECT & INTERIOR DESIGN

1616 VINE STREET, CINCINNATI, OH 45202

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

OWNER CITY GOSPEL MISSION



REVISION

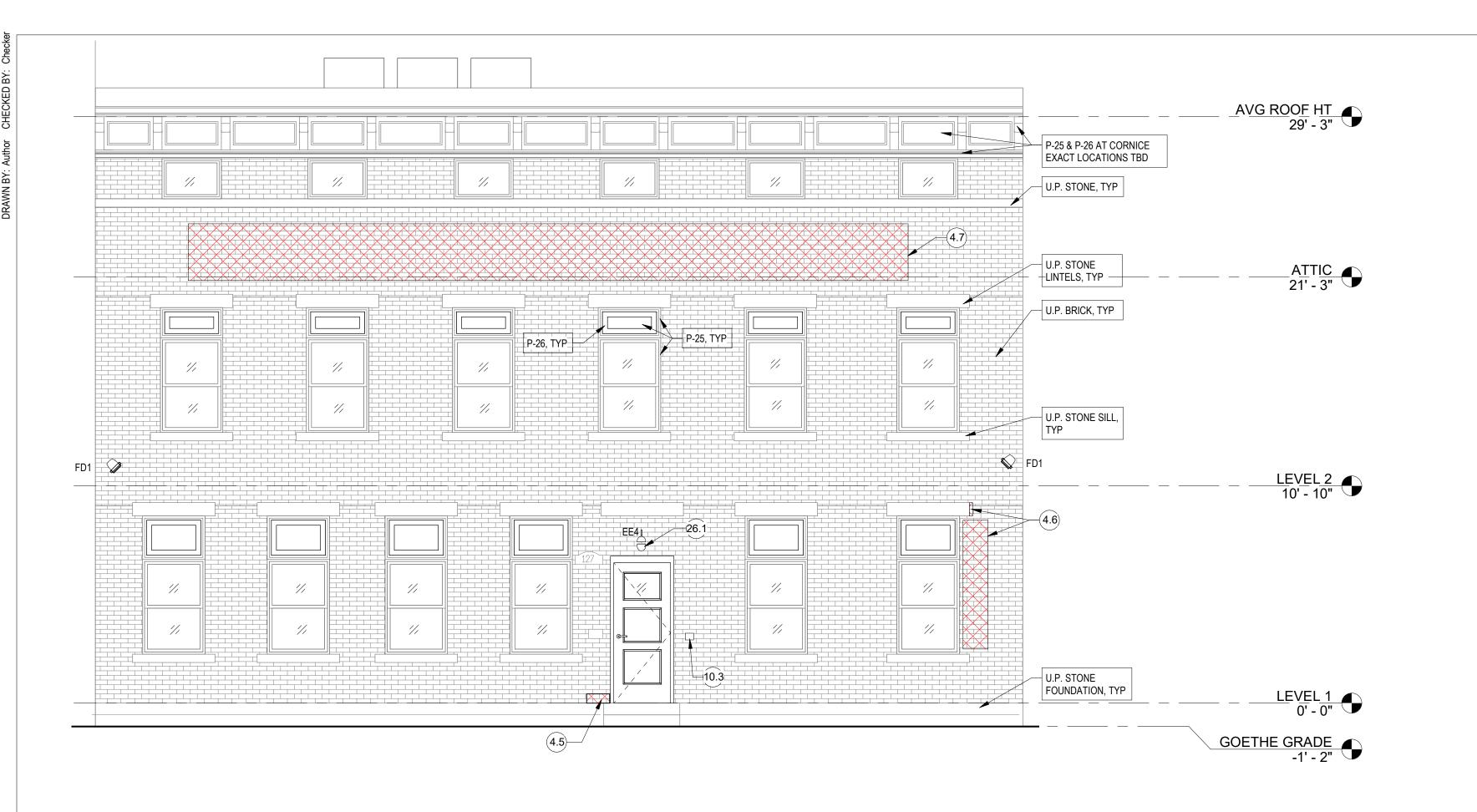
Δ	DESCRIPTION	DATE

PERMIT 06-27-2023

ISSUED FOR

SHEET NO.

SHEET NAME REFLECTED CEILING **PLANS**



NOTE: LIGHT FIXTURES HAVE NOT BEEN REVIEWED BY OWNERSHIP BUT ARE LISTED AS BASIS OF DESIGN FOR PRELIMINARY PRICING PURPOSES.

COLOR / FINISH CONTACT MOUNTING HEIGHT / REMARKS FIXTURE NAME MANUFACTURER LITHONIA LIGHTING EXTERIOR LED WALL MOUNT TWR2 LED 1 50K MVOLT PE DDBTXD DECORATIVE EXTERIOR WALL LIGHT BASE LITE SB16-50-E3-LED12W-30K-LDMO-10V-BA6 REUSE CYLINDRICAL UP/ DOWN LITON WD1360-DG-L20-B02-UE-DUN-T35 ATTIC STOCK FROM NEW PROJ EXHAUST FAN REFER TO MECH. LED EGRESS/ EMERGENCY LIGHT LITHONIA LIGHTING TWR2 LED 1 50K PE EXTERIOR LED WALL MOUNT LITHONIA LIGHTING LITHONIA LIGHTING ERE X SGL SQ WP EMERGENCY REMOTE HEAD EMERGENCY LIGHTING/ EXIT SIGN LITHONIA LIGHTING ECRG HO RD M6 CEILING FAN WITH LIGHT KIT RP LIGHTING ALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL CONTROL. DUAL HEAD W/ MOTION SENSOR; 88907-SU REFER TO BUILDING ELEVATIONS LFX/OSF/R/MS/20W/50K/BK LITHONIA LIGHTING SUSPENDED LED STRIP LIGHT MNSL L23 1LL MVOLT 40K 80 CRI M6 CEILING MOUNTED LED STRIP LIGHT LITHONIA LIGHTING CSS L48 AL03 MVOLT SWW3 80CRI LITHONIA LIGHTING CSS L484 AL03 MVOLT SWW3 80CRI FL4-S SUSPENDED LED STRIP LIGHT 8" SURFACE MOUNT DISC LIGHT AFX LIGHTING EGRF08LAJD1WH AFX LIGHTING EGRF06LAJD1WH WET RATED. 6" SURFACE MOUNT DISC LIGHT 7" JUNO SLIMFORM LE SURFACE MOUNT | JSF LIGHTING JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH DOWNLIGHT 2'X2' LAY-IN PANEL LITHONIA LIGHTING EPANL 2X2 4800LM 35K ZT MVOLT 120V 3-CCT BARLIGHT BA-AC08-CS 35K-90-WH UNDER CABINET LIGHTING WAC LIGHTING UC18 UNDER CABINET LIGHTING WAC LIGHTING 120V 3-CCT BARLIGHT BA-AC18-CS 35K-90-WH VERSATILE VANITY LIGHT - 2 LIGHT. SKU: BS18162 SN SATIN VANITY LIGHT SHADES OF LIGHT

LIGHT FIXTURE SCHEDULE

GENERAL EXTERIOR FINISH NOTES EXTERIOR MATERIAL CODE LIST EXTERIOR PAINT & COATINGS DESCRIPTION **EXTERIOR PAINT** 1. ELEMENTS THAT ARE UNPAINTED ARE TO REMAIN UNPAINTED (BRICK / STONE) SHERWIN WILLIAMS COLOR TBD 2. ELEMENTS THAT ARE PREVIOUSLY PAINTED ARE TO BE SCRAPED OF FLAKING PAINT AND (ACCENT / TRIM) FINISH: MATTE 3. PAINT FIRE ESCAPES AND STEEL (GUARDRAILS / HANDRAILS) PER MATERIAL CODE LIST. SHERWIN WILLIAMS COLOR TBD PAINT PRODUCTS (ACCENT / TRIM) FINISH: MATTE OVER EXTERIOR TRIM (WOOD / COMPOSITES) PRIMER: PPG SEAL GRIP IN / EXT ACRYLIC UNIVERSAL PRIMER 17-921XI FINISH: PPG SUN PROOF EXT SATIN 76-45XI SERIES SHERWIN WILLIAMS COLOR TBD (METALS) OVER METALS (GUARDS / HISTORIC IRON) PRIMER: PPG MULTIPRIME 4360 SERIES (LW VOC ALKY, RUST INHIBITIVE) FINISH: HPC RUST INHIBITIVE ALKYD S/G 4306 SERIES (ALKYD) OR PITT-TECH PLUS WB ACRYLIC S/G 4216 SERIES (ACRYLIC) UN-PAINTED (BRICK / STONE)

CONSTRUCTION KEYNOTES 1.1 EXISTING WIRE SHELVING TO REMAIN.

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STRUCTURAL ENGINEER ADVANTAGE GROUP ENGINEERS, INC.

513.396.8900 MEP ENGINEER

8.2 NEW WINDOW: FIXED, VINYL, INSULATED LOW-E GLASS WINDOW. ENIGINEERED BUILDING SERVICES, INC. 9.1 NEW QUARTZ COUNTERTOP W/ FULL HEIGHT TILE BACKSPLASH. NEW SINK & FAUCET. REFER TO GENERAL A8 SERIES FOR GENERAL 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

FINISH NOTES & PLUMBING FIXTURE BASIS OF DESIGN PRODUCTS. 859.261.0585 EXISTING CABINETRY IS TO REMAIN. 9.2 LVT TREADS W/ VINYL RISERS AND NOSINGS.

10.1 GLASS SHOWER DOOR SYSTEM 10.2 CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF 10.3 NEW KNOX BOX

10.4 PROVIDE SECURITY FILM AT GLASS. 10.5 PROVIDE (5) WHITE MELAMINE SHELVES

1.1 PROVIDE NEW MAILBOX (USPS COMPLIANT) TO MATCH EXISTING (4) VERTICAL ORIENTATION `

23.1 REFER TO MECHANICAL & PLUMBING PLANS 23.2 REFER TO MECHANICAL PLANS. 26.1 NEW LIGHT FIXTURE

4.4 REPLACE SPALDING BRICK

1.5 REPLACE DAMAGED BRICK

4.8 ADDRESS CRACKS IN BRICK.

REF DETAILS A5.00

6..4 ADD NEW STEP.

4.6 ADDRESS CRACKS IN MORTOR JOINTS.

1.7 ADDRESS DETERIORATED MORTOR JOINTS.

5.2 EXISTING DOWNSPOUTS TO REMAIN. REPAINT.

EXISTING ON EACH SIDE OF WALL (UL 408)

6.2 NEW WOOD HANDRAIL. REF DETAILS A5.00.

1 REMOVE DEBRIS FROM GUTTERS, TYP.

REFER TO FIRE ESCAPE NOTES ON A2 SHEET SERIES.

6.1 NEW WOOD GUARD / HAND RAILS W/ WOOD VERTICAL PICKETS.

6.3 ADD TWO LAYERS OF 5/8" MOLD / MILDEW RESISTENT DRYWALL TO

8.1 NEW LOUVER TO FILL HISTORIC MASONRY OPENING. FIELD

UNOCCUPIED SIDE OF WALL IN ADDITION TO THE ONE LAYER

26.2 NEW LED EXTERIOR LIGHT 26.3 CENTER SINGLE LIGHT/ CEILING FAN/ EXHAUST TO THE ROOM. 26.4 REUSE EXTERIOR UP/DW FROM NEW BUILDING ATTIC STOCK 7 PROVIDE NEW DOORBELL FOR EACH RESIDENCE. PROVIDE

ENGRAVED PLATE WITH APT NUMBERS

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

OWNER CITY GOSPEL MISSION



KATHERINE CONNER ARC.1817276, EXP. 12/31/2023

REVISION DESCRIPTION DATE

ISSUED FOR PERMIT 06-27-2023

SHEET NAME **BUILDING ELEVATIONS**

SHEET NO.

U.P. BRICK, TYP P-50 FIRE ESCAPE, TYP SUB BASEMENT -18' - 6"

U.P. STONE, TYP SUB BASEMENT -18' - 6"

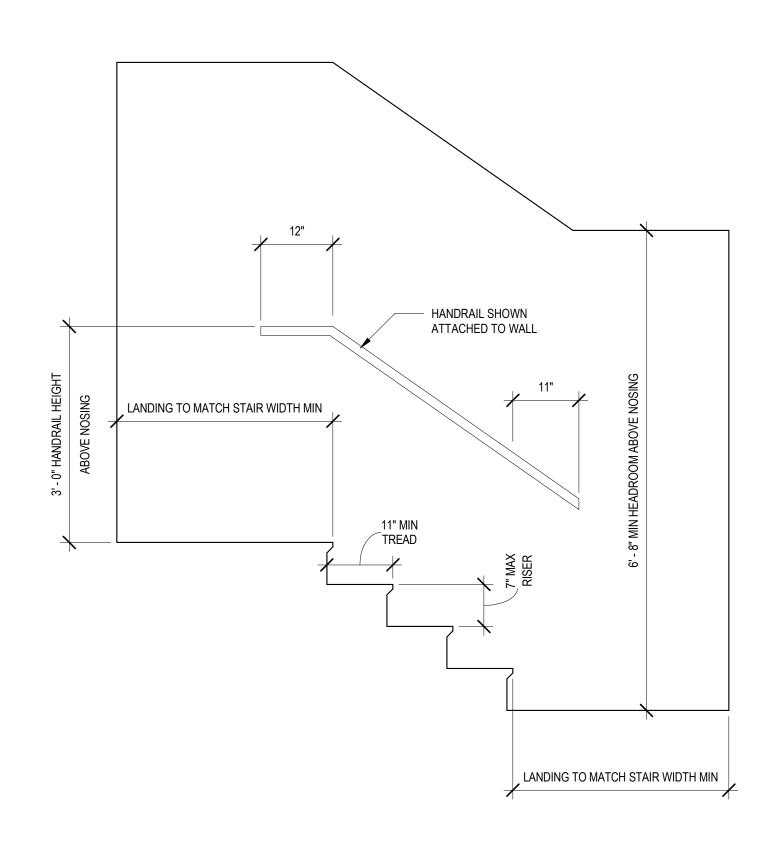
WEST ELEVATION
1/4" = 1'-0"

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

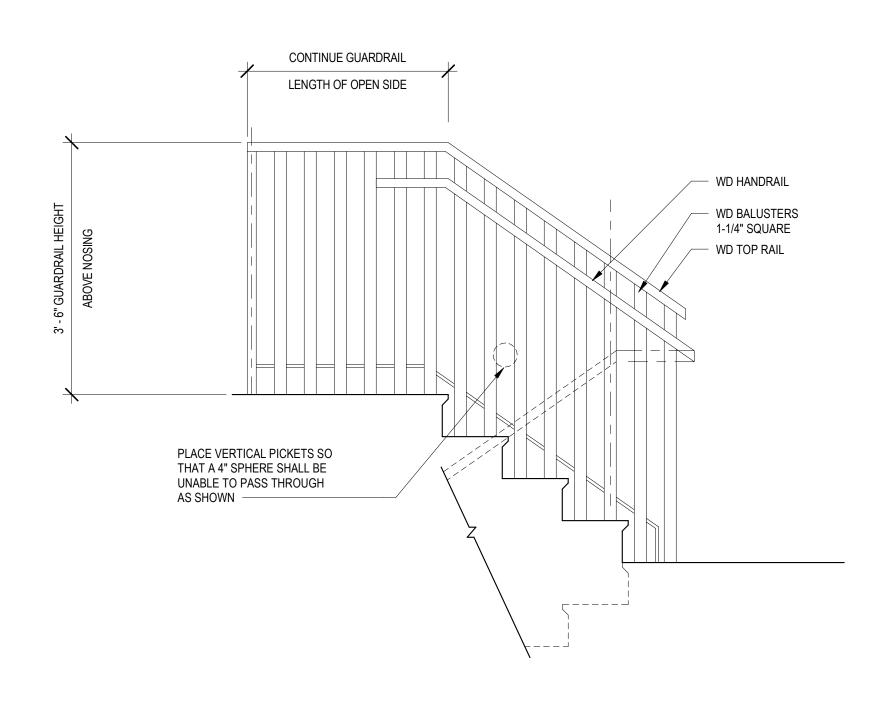
2 SOUTH ELEVATION
1/4" = 1'-0"

NORTH ELEVATION

1/4" = 1'-0"



TYPICAL HANDRAIL
3/4" = 1'-0"



TYPICAL GUARD RAIL (AT OPEN SIDES)

3/4" = 1'-0"



ARCHITECT & INTERIOR DESIGN
ARCX STUDIO

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STRUCTURAL ENGINEER

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ENIGINEERED BUILDING SERVICES, INC.

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

2301

OWNER
CITY GOSPEL MISSION



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REVISION

Δ DESCRIPTION

ISSUED FOR

PERMIT 06-27-2023 SHEET NAME

DETAILS

SHEET NO.

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

PLANS FOR ALL KEY FOB LOCATIONS.

A SIGNAL FROM OR LOSS OF POWER TO THE SENSOR.

1. CONTRACTOR TO REVIEW DOOR FUNCTION LOCKSETS WITH OWNER PRIOR TO PROCUREMENT. KEYING SCHEDULE TO BE COORDINATED DIRECTLY WITH OWNER. 2. PROVIDE SAFETY GLAZING AT HAZARDOUS LOCATIONS.

3. U.N.O. GLASS IN INTERIOR DOORS / GLAZING IS TO BE 1/4" CLEAR TEMPERED.

4. DOORS NOT LISTED IN DOOR SCHEDULE ARE NOT IN SCOPE OF WORK. 5. DOOR HARDWARE TO BE SATIN NICKEL FINISH UNLESS NOTED OTHERWISE. 6. DOOR STAIN & FINISH BASIS OF DESIGN: TBD

7. NEW DOORS TO BE LOCATED 6" FROM ADJACENT WALL UNLESS NOTED OTHERWISE, OR AS REQUIRED FOR HARDWARE INSTALLATION.

8. DOOR HARDWARE TO BE ADA COMPLIANT AND MATCH EXISTING HARDWARE IN TERMS OF LEVER STYLE AND MFG. 3-HINGE TYPICAL WITH DOOR OR WALL STOPS. 9. COORDINATE KEY FOB LOCATIONS W/ LOW VOLTAGE VENDOR AND OWNER. REFER TO

SENSOR RELEASE OF ELECTRICALLY LOCKED EGRESS DOORS 1. SENSOR SHALL BE INSTALLED ON THE EGRESS SIDE, ARRANGED TO DETECT AN OCCUPANT APPROACHING THE DOORS. THE DOORS SHALL BE ARRANGED TO UNLOCK BY

2. LOSS OF POWER TO THE LOCK OR LOCKING SYSTEM SHALL AUTOMATICALLY UNLOCK THE DOORS.

3. THE DOORS SHALL BE ARRANGED TO UNLOCK FROM A MANUAL UNLOCKING DEVICE LOCATED 40" TO 48" VERTICALLY ABOVE THE FLOOR AND WITHIN 5' OF THE SECURED DOORS. READY ACCESS SHALL BE PROVIDED TO THE MANUAL UNLOCKING DEVICE AND THE DEVICE SHALL BE CLEARLY IDENTIFIED BY A SIGN THAT READS "PUSH TO EXIT." WHEN OPERATED, THE MANUAL UNLOCKING DEVICE SHALL RESULT IN DIRECT INTERRUPTION OF POWER TO THE LOCK - INDEPENDENT OF OTHER ELECTRONICS - AND THE DOORS SHALL REMAIN UNLOCKED FOR NOT LESS THAN 30 SECONDS.

4. ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM, WHERE PROVIDED, SHALL AUTOMATICALLY UNLOCK THE DOORS, AND THE DOORS SHALL REMAIN UNLOCKED UNTIL THE FIRE ALARM SYSTEM HAS BEEN RESET.

5. ACTIVATION OF THE BUILDING AUTOMATIC SPRINKLER SYSTEM OR FIRE DETECTION SYSTEM, WHERE PROVIDED, SHALL AUTOMATICALLY UNLOCK THE DOORS. THE DOORS SHALL REMAIN UNLOCKED UNTIL THE FIRE ALARM SYSTEM HAS BEEN RESET.

6. THE DOOR LOCKING SYSTEM UNITS SHALL BE LISTED IN ACCORDANCE WITH UL 294.

DOOR REMARKS

DOOR TYPES

WIDTH

EXTERIOR, 4 PANEL

R1: PROVIDE 3M SAFETY WINDOW FILM AT GLASS. 3M SCHOTCHSHIELD SAFETY & SECURITY WINDOW FILM ULTRA PRESTIGE SERIES.

INTERIOR, 6 PANEL

INTERIOR, 2 PANEL

HARDWARE SETS HW-1: EXTERIOR ENTRANCE (SINGLE) 3- 4.5" HINGE (CLOSER) ENTRANCE LOCKSET W/ LEVER HANDLE KEY FOB ACCESS CONTROL AT DOOR 101 1 - DOOR SWEEP 1 - THRESHOLD 1 - GASKETING

3 - SILENCER <u>HW-2: UNIT ENTRANCE FIRE-RATED (SINGLE)</u> 3 - 4.5" HINGE (HINGE SPRING CLOSER) LEVER HANDLE ON BOTH SIDES

KEY LOCK DEAD BOLT OUTSIDE DEAD BOLT THUMB TURN ON INSIDE 1 - SMOKE GASKETING 1 - DOOR SWEEP 1 - FLOOR STOP

1 - THRESHOLD 1 - WIDE ANGLE DOOR VIEWER WITH PRIVACY COVER ON INTERIOR 3 - SILENCER

G01A G02A SG01 B01A B02A B02B B03A B03B B03C

101B 101C 101D 101E 101F 101G 102A 102B 102C 102D 201A

202A

INTERIOR, 4 PANEL,

DOUBLE SWING

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

7' - 0" 0' - 1 3/4"

INTERIOR,

DOUBLE- 2 PANEL

SLIDING

7' - 0" 0' - 1 3/4"

S201 90MIN 2' - 8" 7' - 0" 0' - 1 3/8" B

7' - 0" 0' - 1 3/4" E

<u>HW-3: PASSAGE (SINGLE)</u> 3 - 4.5" HINGE POSITIVE LATCH W/ LEVER HANDLE 1 - WALL STOP

HW-4: BEDROOM / BATHROOM (SINGLE) PRIVACY LATCHSET W/ LEVER HANDLES 1 - WALL STOP

HW-5: STOREROOM (SINGLE) 3 - 4.5" HINGE STOREROOM LOCKSET W/ LEVER HANDLE (FREE EGRESS) HW-6: POCKET DOOR

POCKET DOOR KIT RECESSED FINGER PULL (BOTH SIDES) PRIVACY LOCK

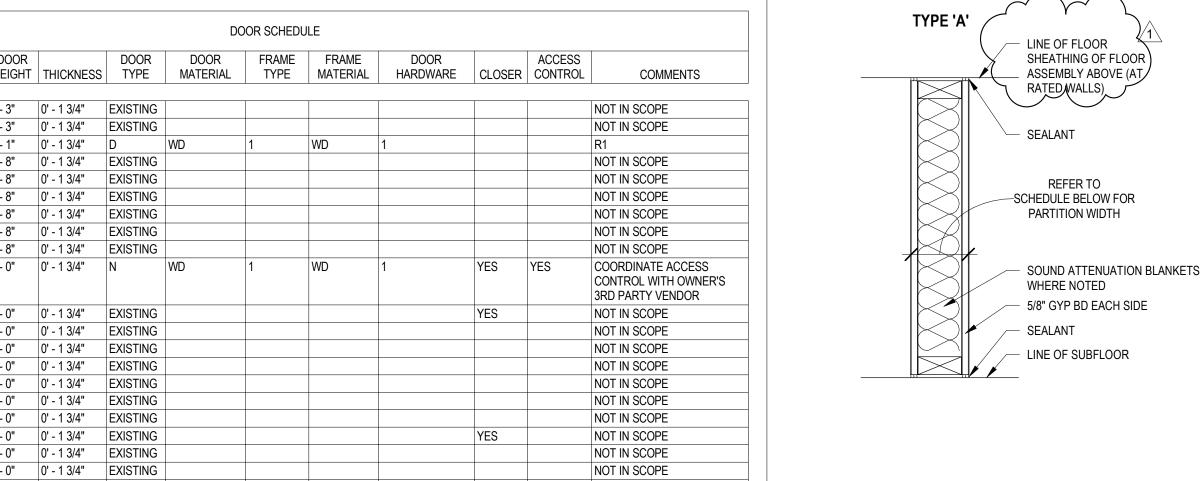
HW-7: CLOSET (SINGLE) 3 - 4.5" HINGE PASSAGE LATCHSET W/ LEVER HANDLE 2 - HINGE STOP HW-8: CLOSET (DOUBLE)

6 - 4.5" HINGE 2 - FIXED LEVER HANDLE (OUTSIDE) 2 - TOP FRICTION BALL CATCH (ADJUSTABLE)

EXTERIOR,

HALF GLASS

HW-9: CLOSET (DOUBLE- SLIDING)
BI-PASS SLIDING DOOR KIT (TOP RAIL ONLY STYLE, SOFT CLOSE) RECESSED FINGER PULL (BOTH SIDES)



	IVATING	WIDTH	HEIGHT	ILIICKINESS	I IIIE	IVIATEINIAE	I IIIE	IVIATEINIAE	HANDWAIL	CLUSER	CONTINUL	COMMENTS
								,				
	90MIN	2' - 8"	6' - 3"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
	90MIN	2' - 8"	6' - 3"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 8"	6' - 1"	0' - 1 3/4"	D	WD	1	WD	1			R1
	90MIN	2' - 8"	6' - 8"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
	90MIN	3' - 0"	6' - 8"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
	90MIN	3' - 0"	6' - 8"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
	90MIN	3' - 0"	6' - 8"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 4"	6' - 8"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 6"	6' - 8"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 10"	7' - 0"	0' - 1 3/4"	N	WD	1	WD	1	YES	YES	COORDINATE ACCESS CONTROL WITH OWNER'S 3RD PARTY VENDOR
	90MIN	3' - 0"	7' - 0"	0' - 1 3/4"	EXISTING					YES		NOT IN SCOPE
		2' - 6"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 6"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 6"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 6"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 6"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 6"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
	90MIN	3' - 0"	7' - 0"	0' - 1 3/4"	EXISTING					YES		NOT IN SCOPE
		5' - 4"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 6"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
		2' - 6"	7' - 0"	0' - 1 3/4"	EXISTING							NOT IN SCOPE
	90MIN	3' - 0"	7' - 0"	0' - 1 3/4"	В	WD	1	WD	2	YES		
		2' - 8"	7' - 0"	0' - 1 3/4"	С	WD	1	WD	4			
_		5' - 0"	7' - 0"	0' - 1 3/4"	F	WD	4	WD	q			

INTERIOR,

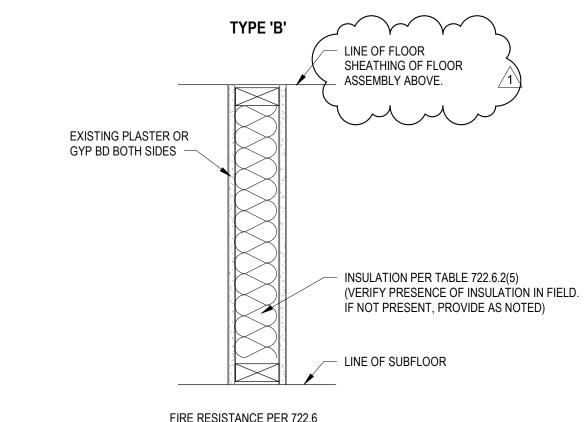
DOUBLE FRENCH

EXTERIOR,

SINGLE FLUSH

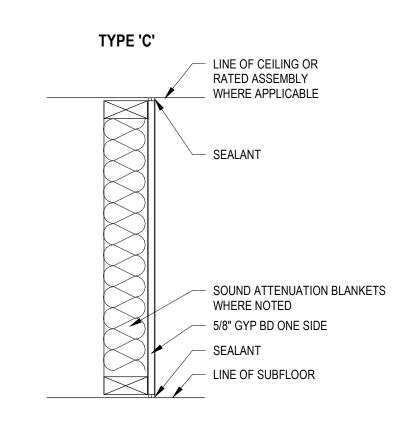
NO. | RATING | WIDTH | HEIGHT | THICKNESS | TYPE | MATERIAL | TYPE | MATERIAL | HARDWARE | CLOSER | CONTROL |

FLOOR PLAN DESIGNATION NO SOUND ATTENUATION	FLOOR PLAN DESIGNATION WITH SOUND ATTENUATION	STUD SIZE	PARTITION WIDTH	FIRE RATING	UL LISTING	REMARKS
A1	A1>	2X4	4-3/4"	NON-RATED	N/A	
A2	A2>	2X6	6-3/4"	NON-RATED	N/A	
A4	A4>	2X4	4-3/4"	1-HR	U305	

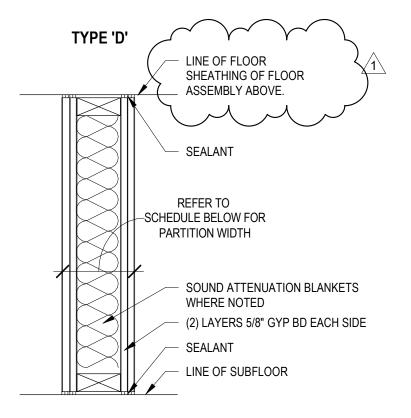


FIRE RESISTANCE PER 722.6
EXG FINISH = 20 MIN X TWO SIDES, WOOD STUD CAVITY = 20 MIN, INSULATION PER 722.6.2(5) = 15 MINUTES, TOTAL EQUIVALENCE OF 75 MINUTES.

FLOOR PLAN DESIGNATION NO SOUND ATTENUATION	FLOOR PLAN DESIGNATION WITH SOUND ATTENUATION	STUD SIZE	PARTITION WIDTH	FIRE RATING	UL LISTING	REMARKS
B4	B4>	2X4	4-3/4"	1-HR EQ	N/A PER 722.6	



FLOOR PLAN DESIGNATION NO SOUND ATTENUATION	FLOOR PLAN DESIGNATION WITH SOUND ATTENUATION	STUD SIZE	PARTITION WIDTH	FIRE RATING	UL LISTING	REMARKS
C4	<u>C4</u>	2X4	4-1/8"	NON-RATED	N/A	
	<u>C6</u>	2X6	6-1/8"	NON-RATED	N/A	



FLOOR PLAN DESIGNATION NO SOUND ATTENUATION	FLOOR PLAN DESIGNATION WITH SOUND ATTENUATION	STUD SIZE	PARTITION WIDTH	FIRE RATING	UL LISTING	REMARKS
D4	D4>	2X4	6"	2-HR	U301	



CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

ARCHITECT & INTERIOR DESIGN

1616 VINE STREET, CINCINNATI, OH 45202

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

ENIGINEERED BUILDING SERVICES, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

ARCX STUDIO

FIRM.18314012

513.832.1302

513.396.8900

859.261.0585

MEP ENGINEER

OWNER

CITY GOSPEL MISSION



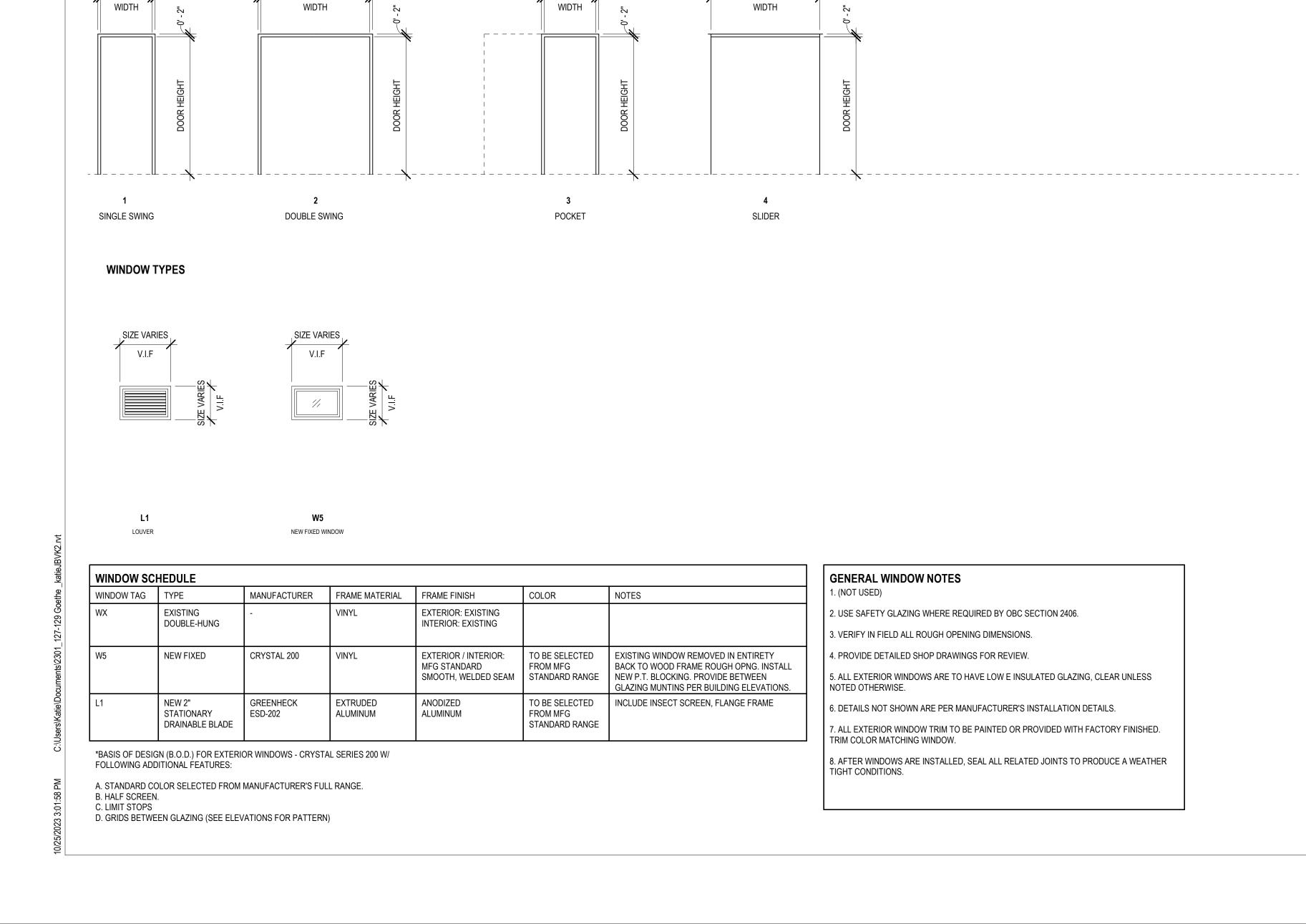
Δ	DESCRIPTION	DATE
	PERMIT COMMENTS	10-19-2023
	PERIVIT COMMENTS	10-19-2023

ISSUED FOR

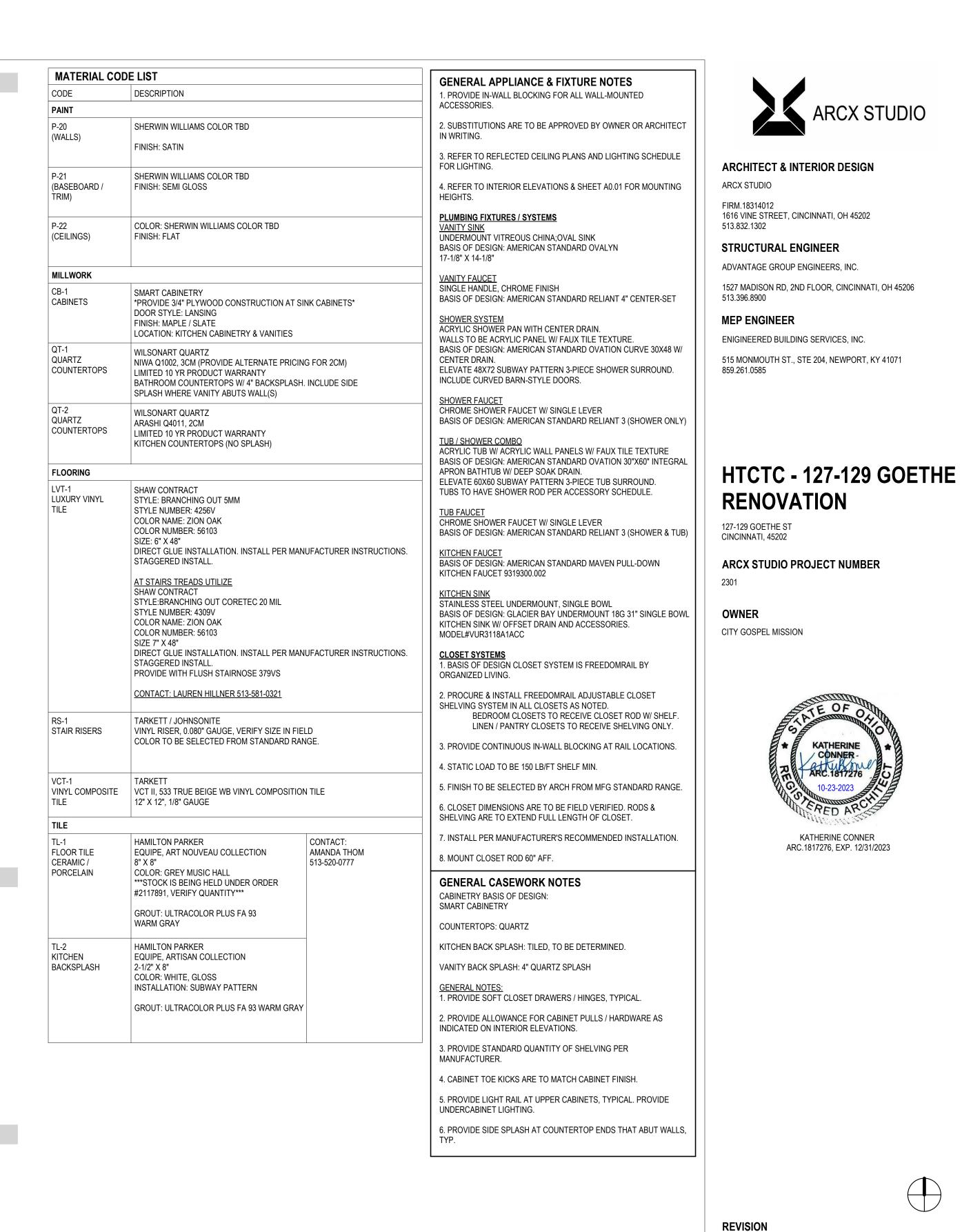
PERMIT 06-27-2023 SHEET NAME DOORS, WINDOWS,

PARTITIONS

SHEET NO.







FLOOR FINISH LEGEND

VINYL TILE (PLANK)

EXISTING CONCRETE TO REMAIN

CERAMIC / PORCELAIN FLOOR TILE

VINYL COMPOSITE TILE

TL-1 LVT-1 331 SF 484 SF STAIR 1 122 SF 9.2 LVT-1 9.2 LVT-1

CONSTRUCTION KEYNOTES 1.1 EXISTING WIRE SHELVING TO REMAIN. 4.4 REPLACE SPALDING BRICK 4.5 REPLACE DAMAGED BRICK 4.6 ADDRESS CRACKS IN MORTOR JOINTS. 4.7 ADDRESS DETERIORATED MORTOR JOINTS. 4.8 ADDRESS CRACKS IN BRICK. 1 REFER TO FIRE ESCAPE NOTES ON A2 SHEET SERIES. 5.2 EXISTING DOWNSPOUTS TO REMAIN. REPAINT. 6.1 NEW WOOD GUARD / HAND RAILS W/ WOOD VERTICAL PICKETS. **REF DETAILS A5.00** 6.2 NEW WOOD HANDRAIL. REF DETAILS A5.00. 6.3 ADD TWO LAYERS OF 5/8" MOLD / MILDEW RESISTENT DRYWALL TO UNOCCUPIED SIDE OF WALL IN ADDITION TO THE ONE LAYER EXISTING ON EACH SIDE OF WALL (UL 408) 6..4 ADD NEW STEP. 7.1 REMOVE DEBRIS FROM GUTTERS, TYP. 1 NEW LOUVER TO FILL HISTORIC MASONRY OPENING. FIELD NEW WINDOW: FIXED, VINYL, INSULATED LOW-E GLASS WINDOW.

10.4 PROVIDE SECURITY FILM AT GLASS. 10.5 PROVIDE (5) WHITE MELAMINE SHELVES 11.1 PROVIDE NEW MAILBOX (USPS COMPLIANT) TO MATCH EXISTING (4)

NEW QUARTZ COUNTERTOP W/ FULL HEIGHT TILE BACKSPLASH. NEW SINK & FAUCET. REFER TO GENERAL A8 SERIES FOR GENERAL FINISH NOTES & PLUMBING FIXTURE BASIS OF DESIGN PRODUCTS.

10.2 CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF

26.3 CENTER SINGLE LIGHT/ CEILING FAN/ EXHAUST TO THE ROOM. 26.4 REUSE EXTERIOR UP/DW FROM NEW BUILDING ATTIC STOCK 27 PROVIDE NEW DOORBELL FOR EACH RESIDENCE. PROVIDE

EXISTING CABINETRY IS TO REMAIN.

10.1 GLASS SHOWER DOOR SYSTEM

VERTICAL ORIENTATION

23.2 REFER TO MECHANICAL PLANS.

26.1 NEW LIGHT FIXTURE 26.2 NEW LED EXTERIOR LIGHT

10.3 NEW KNOX BOX

0.2 LVT TREADS W/ VINYL RISERS AND NOSINGS.

23.1 REFER TO MECHANICAL & PLUMBING PLANS

ENGRAVED PLATE WITH APT NUMBERS

PERMIT 06-27-2023

ISSUED FOR

SHEET NAME

KATHERINE CONNER

DESCRIPTION

DATE

ARC.1817276, EXP. 12/31/2023

INTERIOR FINISH PLANS SHEET NO.

FINISH PLAN - LEVEL 2 1/4" = 1'-0"

FINISH PLAN - LEVEL 1
1/4" = 1'-0"

514 SF

✓ FLOORING IN UNIT #3 IS

EXISTING TO REMAIN —

STAIR 1

85 SF

(9.2)

9.2

DIFFU	ISER, GRILLE, AND RE	GISTER	SCHED	ULE	
CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	MODEL	NOTES
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.
RR-5	STEEL RETURN GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	20x12	18x10	TITUS 350RL	STEEL OPPOSED-BLADE DAMPER OPERABLE FROM THE FACE OF THE GRILLE.
SDG1W-1 (Copy 1)	ALUMINUM SINGLE DEFLECTION SPIRAL DIFFUSER	12x5	10x3	HART AND COOLEY/ SV	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SR1WS-1C	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	10x8	8x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH
SR2W-1C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	8x6	6x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH
SR2W-2C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	12x6	10x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH
SR2W-4C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH
SR2W-5C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	16x8	14x6	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH
SR2W-6C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	16x10	14x8	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH
TG-1	STEEL DOUBLE DEFLECTION, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION.	20x12	18x10	TITUS 350RL	

*ALL AIR DEVICES INSTALLED IN HARD CEILING/SOFFITS TO BE PROVIDED WITH FACE OPERATED BALANCING DAMPERS.

	SYMBOLS LE	GEND - HVAC	MECHANICAL SCOPE OF WORK
	T	THERMOSTAT	(PLAN REVIEW ONLY)
		CEILING DIFFUSER	PROVIDE AND INSTALL NEW HVAC EQUIPMENT TO BUILDING RENOVATI
IPER OF THE	->	SIDE WALL GRILL	MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAW TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICA ADDITIONAL DETAILS.
J1 111E	←√	RETURN WALL GRILL	
IPER OF THE	← √—	AIR FLOW DIRECTION	CODES & STANDARDS REFEREN
HT WHITE	14x10	DUCTWORK	- 2017 OHIO MECHANICAL CODE - 2017 OHIO BUILDING CODE
· · · · · · · · · · · · · · · · · · ·		TYPICAL SUPPLY DUCT DN	- ASHRAE 90.1-2010
FINISH	区	TYPICAL RETURN DUCT DN	HVAC DESIGN CONDITIONS
E, BRIGHT	N N	TYPICAL EXHAUST DUCT	RESIDENTIAL COOLING HEATING
E, BRIGHT	[رړ]	TURNING VANES	OUTDOOR: 93 DB / 75 WB OUTDOOR: 0 DB INDOOR: 75 INDOOR: 70
,E, BRIGHT		FLEXIBLE DUCT, 8'-0" LONG MAX.	# KEYED SHEET NOTES
E, BRIGHT	<u>o</u>	TYPICAL ROUND DUCT DN	1. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHAN
E, BRIGHT	•	ROUND DUCT UP	CLOSET. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM U 2. DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP. 3. ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER.
YE BRIGHT		MVD MANUAL VOLUME DAMPER	SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTUR RECOMMENDATIONS.
E, BRIGHT		DROPPED CEILING/SOFFIT	4. UNDERCUT DOOR 1" ABOVE FINISHED FLOOR FOR RETURN AIR. 5. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSI CAVITY.
			6. DUCTED RETURN SLEEVE TO AVOID EXPOSED WALL CAVITY. 7. PROVIDE CONDUIT FOR THERMOSTAT WIRE WHEN INSTALLED ON BRICK. 8. EXISTING HVAC EQUIPMENT TO BE REPLACED WITH NEW HEAT PU

MECHANICAL SCOPE OF WORK (PLAN REVIEW ONLY)

OVIDE AND INSTALL NEW HVAC EQUIPMENT TO BUILDING RENOVATION. HANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAWINGS ETC. REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICATIONS FOR ITIONAL DETAILS.

ARCHITECT & INTERIOR DESIGN

1616 VINE STREET, CINCINNATI, OH 45202

ARCX STUDIO

FIRM.18314012

513.832.1302

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859.261.0585

127-129 GOETHE ST

CINCINNATI, 45202

MEP ENGINEER

CIVIL ENGINEER

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

ENIGINEERED BUILDING SERVICES, INC.

RENOVATION

CITY GOSPEL MISSION

ARCX STUDIO PROJECT NUMBER

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

HTCTC - 127-129 GOETHE

BUILDING SYSTEMS INC.

CODES & STANDARDS REFERENCED 2017 OHIO MECHANICAL CODE

HVAC DESIGN CONDITIONS

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. DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP. OUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES RECOMMENDATIONS.
- DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL DUCTED RETURN SLEEVE TO AVOID EXPOSED WALL CAVITY.
- PROVIDE CONDUIT FOR THERMOSTAT WIRE WHEN INSTALLED ON EXPOSED
- EXISTING HVAC EQUIPMENT TO BE REPLACED WITH NEW HEAT PUMP/AIR HANDLING UNIT AND COIL WITH ELECTRIC BACK UP HEAT FOR LIKE SIZE AND 0. EXISTING DRYER EXHAUST TO REMAIN. MECHANICAL CONTRACTOR TO
- 1. EXISTING TO REMAIN. 12. PROVIDE AND INSTALL HEAT PUMP MOUNTING STANDS DIVERSITECH QSMS1200 OR ENGINEERED EQUIVALENT. 13. KITCHEN HOODS TO BE RECIRCULATING HOODS PROVIDED BY OTHERS.

MODIFY AS NEEDED.

- B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
- 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.
- LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.
- 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
- PROVIDE AN APPROVED THROUGH PENETRATION FIRESTOP FOR ALL PIPING INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. FIRESTOP SHALL HAVE A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCHES OF WATER AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED
- 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.
- C. PROVIDE ALL NECESSARY MODIFICATIONS TO CONTROL WIRING, ETC. TO RELOCATE EXISTING MECHANICAL EQUIPMENT TO NEW LOCATIONS SHOWN.
- MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.

GENERAL NOTES

- A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL
- C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
- PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER
- G. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK
- FLOOR/CEILING. H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN.
- 307.2.2 OF THE OHIO MECHANICAL CODE.
- FIRE-RESISTANCE RATING OF THE WALL OR FLOOR PENETRATED.



ISSUED FOR

REVISION

DESCRIPTION

PERMIT 06-27-2023 SHEET NAME

MECHANICAL FLOOR PLANS SHEET NO.

FLOOR PLAN_LEVEL 1 1/4" = 1'-0"

M1.00THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

FLOOR PLAN_BASEMENT 1/4" = 1'-0"

FLOOR PLAN_SUB BASEMENT

1/4" = 1'-0"

Z:\~Project Directories\~Project Setup\~PLOT SHETS\ARCX\30x42\XREF-ART.dwg-Model. Plot Date/Time: Apr 27, 2022-10:04am - By: Denny.lehmkuhl THESE DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. CODE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS

DICTION WITH INFORMATION TO DETERMIN MANAGER, GENERAL CONTRACTOR, ETC.

IATION TO DETERMII CONTRACTOR, ETC

Z:\~Project Directories\~Project Setup\~PLOT SHETS\ARCX\30x42\XREF-ART.dwg-Model. Plot Date/Time: Apr 27, 2022-10:04am - By: Denny.lehmkuhl
THESE DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. THESE DRAWINGS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE WITH APR
CODE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLED IN ACCORDANCE WITH AN

FLOOR PLAN LEVEL 2

1/4" = 1'-0"

2 FLOOR PLAN ATTIC 1/4" = 1'-0"

CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	MODEL	NOTES
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.
RR-5	STEEL RETURN GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	20x12	18x10	TITUS 350RL	STEEL OPPOSED-BLADE DAMPER OPERABLE FROM THE FACE OF THE GRILLE.
SDG1W-1 (Copy 1)	ALUMINUM SINGLE DEFLECTION SPIRAL DIFFUSER	12x5	10x3	HART AND COOLEY/ SV	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH
SR1WS-1C	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	10x8	8x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH
SR2W-1C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	8x6	6x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGH WHITE FINISH
SR2W-2C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	12x6	10x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGH WHITE FINISH
SR2W-4C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGH WHITE FINISH
SR2W-5C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	16x8	14x6	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGH WHITE FINISH
SR2W-6C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	16x10	14x8	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGH WHITE FINISH
TG-1	STEEL DOUBLE DEFLECTION, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION.	20x12	18x10	TITUS 350RL	

*ALL AIR DEVICES INSTALLED IN HARD CEILING/SOFFITS TO BE PROVIDED WITH FACE OPERATED BALANCING DAMPERS.

	SYMBOLS LE	GEND — HVAC	MECHANICAL SCOPE OF WORK
	T	THERMOSTAT	(PLAN REVIEW ONLY)
		CEILING DIFFUSER	PROVIDE AND INSTALL NEW HVAC EQUIPMENT TO BUILDING RENOVAT
MPER OF THE	->	SIDE WALL GRILL	MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAW TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICA ADDITIONAL DETAILS.
01 1112	-\-	RETURN WALL GRILL	
MPER OF THE	€_	AIR FLOW DIRECTION	CODES & STANDARDS REFEREI
HT WHITE	14x10	DUCTWORK	- 2017 OHIO MECHANICAL CODE - 2017 OHIO BUILDING CODE
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		TYPICAL SUPPLY DUCT DN	- ASHRAE 90.1-2010
: E FINISH		TYPICAL RETURN DUCT DN	HVAC DESIGN CONDITIONS
.CE, BRIGHT	N N	TYPICAL EXHAUST DUCT	RESIDENTIAL COOLING HEATING
.CE, BRIGHT	ررد	TURNING VANES	OUTDOOR: 93 DB / 75 WB OUTDOOR: 0 DB INDOOR: 75 INDOOR: 70
OL, BINGITI		FLEXIBLE DUCT, 8'-0" LONG MAX.	★ KEYED SHEET NOTES
.CE, BRIGHT	<u> </u>	TYPICAL ROUND DUCT DN	1. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHA
CE, BRIGHT		ROUND DUCT UP	CLOSET. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM L 2. DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP. 3. ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER.
		MVD MANUAL VOLUME DAMPER	SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTUR RECOMMENDATIONS.
CE, BRIGHT		DROPPED CEILING/SOFFIT	4. UNDERCUT DOOR 1" ABOVE FINISHED FLOOR FOR RETURN AIR. 5. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOS CAVITY.
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MECHANICAL SCOPE OF WORK (PLAN REVIEW ONLY)

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ARCHITECT & INTERIOR DESIGN

1616 VINE STREET, CINCINNATI, OH 45202

ARCX STUDIO

FIRM.18314012

CIVIL ENGINEER

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

ENIGINEERED BUILDING SERVICES, INC.

RENOVATION

ARCX STUDIO PROJECT NUMBER

SEVERT

BUILDING SYSTEMS INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

HTCTC - 127-129 GOETHE

513.832.1302

513.396.8900

859.261.0585

127-129 GOETHE ST

CITY GOSPEL MISSION

CINCINNATI, 45202

MEP ENGINEER

CODES & STANDARDS REFERENCED

KEYED SHEET NOTES OUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL LOSET. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT.

- JCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP. OUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING HALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES
- JCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL JCTED RETURN SLEEVE TO AVOID EXPOSED WALL CAVITY.
- ROVIDE CONDUIT FOR THERMOSTAT WIRE WHEN INSTALLED ON EXPOSED
- KISTING HVAC EQUIPMENT TO BE REPLACED WITH NEW HEAT PUMP/AIR HANDLING UNIT AND COIL WITH ELECTRIC BACK UP HEAT FOR LIKE SIZE AND D. EXISTING DRYER EXHAUST TO REMAIN. MECHANICAL CONTRACTOR TO
- MODIFY AS NEEDED. 1. EXISTING TO REMAIN. 12. PROVIDE AND INSTALL HEAT PUMP MOUNTING STANDS DIVERSITECH QSMS1200 OR ENGINEERED EQUIVALENT.
- 13. KITCHEN HOODS TO BE RECIRCULATING HOODS PROVIDED BY OTHERS.

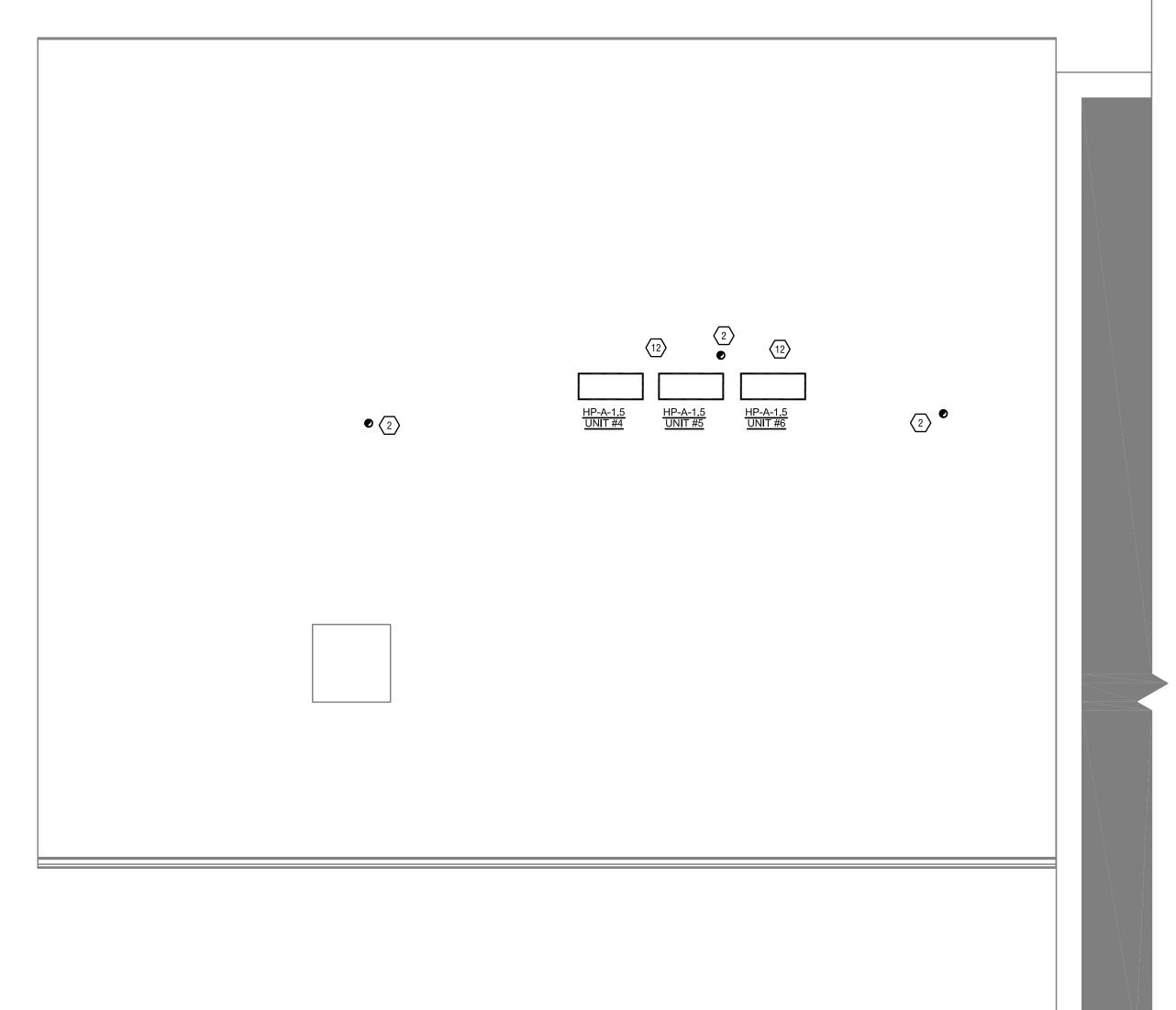
A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL

- B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
- C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO
- 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.
- 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
- 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. PROVIDE ALL NECESSARY MODIFICATIONS TO CONTROL WIRING, ETC. TO RELOCATE EXISTING MECHANICAL EQUIPMENT TO NEW LOCATIONS SHOWN.
- MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.

GENERAL NOTES

- ALL MECHANICAL EQUIPMENT.

- 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.
- PROVIDE AN APPROVED THROUGH PENETRATION FIRESTOP FOR ALL PIPING INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. FIRESTOP SHALL HAVE A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCHES OF WATER AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL OR FLOOR PENETRATED.



DESCRIPTION

DATE

ISSUED FOR

REVISION

PERMIT 06-27-2023 SHEET NAME **MECHANICAL**

FLOOR PLANS SHEET NO.

ROOF PLAN 1/4" = 1'-0"

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

M1.01

Å Ä E N S E N S ime: US Date/Ti O BE IBLE oject Directories\~Project Setup\~PLOT SHEFTS\ARCX\30X42\; SE DRAWINGS AND SPECIFICATIONS ARE N E COMPLIANCE. THE INSTALLING CONTRAC

NATURAL VENTILATION SCHEDULE 127-129 Goethe ST WINDOW OPENABLE | OPENABLE OPENABLE **ROOM NAME** FLOOR AREA | FLOOR AREA | AREA [SQ. FT] AREA [SQ. FT] UNIT 4 BEDROOM UNIT 4 BEDROOM 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

> *VENTILATION CALCULATIONS PER OMC 2017 TABLE 403.3.1.1 **Hybrid Split System Heat Pump Schedule** Outdoor Heat Pump Uni Heating Performance @ 47°F OA | Heating Performance @ 0°F OA **Auxilliary Electric Heat** Heater (°F) FMA4X1800AL FMA4X1800AL 99.6 1. EQUIPMENT SUPPORTS FOR ROOF INSTALLATION. COORDINATE EXACT TYPE WITH THE DEVELOPER

2. VARIABLE SPEED (INVERTER) COMPRESSOR 3. FACTORY INSTALLED BASE PAN HEATER

4. FACTORY INSTALLED CRANKCASE HEATER 5. LOW VOLTAGE CONTROLS

6. AUTO-RESTART FUNCTION 7. CONDENSER HIGH TEMP PROTECTION

8. REFRIGERANT LEAKAGE DETECTION 9. MODES: COOL, HEAT, DRY, FAN, AUTO

10. QUIET OPERATION

11. ALUMINUM GOLDEN HYDROPHILIC PRE-COATED FINS

12. PIPING ADAPTER KIT TO FACILITATE PIPING INSTALLATION WHEN MATCHED WITH FMA4 INDOOR UNIT

	DUCT	[INSULA]	TION SCH	EDULE	FAN SCHEDULE														
		AIR DISTRIBUTION T		YPE	T40	T/DE	ADEA OFFINE	MANUEACTURER	MODEL	DD\/E	OEM	FOR	14/ATTO	DDM	VOLT/DUAGE	N40 A	A 40 LINITINIO	WEIGHT	NOTE
	SA	RA	OA	ADDITIONAL NOTES	TAG	TYPE	AREA SERVED	MANUFACTURER	MODEL	DRIVE	CFM	ESP	WATTS	RPM	VOLT/PHASE	MCA	MOUNTING	WEIGHT	NOTES
-	5. - - - - - - - - - - - - - - - - - - -	None	N/A	_	E-1	EXHAUST	RESTROOMS	PANASONIC	FV-0511VF1	DIRECT	50	0.25	7.1	1152	120/60/1	0.29	CEILING	11.8	1
Ē	AHC					1. FANS INSTALLED IN RATED CEILINGS TO BE PROVIDED AND INSTALLED WITH CEILING RADIATION DAMPER. REFER TO ARCHITECTURAL PLANS FOR RATED CEILING ASSEMBLIES. 2. BACK DRAFT DAMPER.													
֡֝֟֝֟֝֟֝֟֝֟֝֟	다. 	None	N/A		3. BIRD/	BUG SCREE	N.												
	R-3.5	None	I IVA	-					MECHANIC	CAL EXHA	UST SCH	EDULE - 2	017 OHIO	MECHAN	ICAL CODE		-		-

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

				127	-129					
						FIXTU	JRES		TOTAL	TOTAL
UNIT NUMBER	ROOMNAME	OCCUPANCY CLASSIFICATION	AREA (ft2)	EXHAUST AIRFLOW RATE (CFWft2)	EXHAUST RATE PER FIXTURE (CFM)		HIGHER INTERMITTENT RATE?	QTY. OF FIXTURES	EXHAUST AIRFLOW REQ. (CFM)	EXHAUST
1	-	PRIVATE DWELLING - TOILET ROOMS	-	-	25/50	NO	YES	1	50	50

BUILDING OCCUPANTS.

	Split System Heat Pump Schedule																																		
					Outdoor He	eat Pump	Unit																Fan Coil l	Jnit											
Unit Manufacture	er Outdoor	Ba a da l blanch a a	Nominal	IODE I	Name of Taxa	Out DB	C4	Malkana		МОС	D 18/2 : 20/24	Fan Coil	Bar de l'Alexandre	0-14-41	OFNA	0.4.051	- EOD	Cooling Rated	Heating I	Performance (Ambient	@ 47ºF OA	Heating F	Performance Ambient	@ 0ºF OA	Supp	ply Fan	A	Auxilliary Elect	ric Heat		Unit MCA	Unit	Unit D	Weigh	t Accessories
l ag	Tag	Wodel Number	SEER	ISPF	Nominal Lons	°F	Stages	voitage	Phase Amp	s Amps	vveignt	Tag	Wodel Numbe	Orientation	CFIVI	UACF	WI ESP	Capacity (MBH)	EAT DB (°F)	LAT DB (°F)	мвн	EAT DB (°F)	LAT DB (°F)	мвн	Motor HP	Motor FL	A Model Number	Heater Voltage	Heater kW	Circuit	(Amps)	(Amps)	Itage	hase (lbs)	
SYS-01 Carrier	HP-R-1.5	38MARBQ18AA3	16	10.5	1.5	95	Var.	208/230	1 16	25	101	AHU-R-1.5	FV4CNF002L00	Vertical	600	90	0.5"	17.4	70.0	96.3	17.1	62.9	86.4	15.2	1/2	0.6	KFCEH2501C08	240	8	Single	48.5	50	240	1 135	

 EQUIPMENT SUPPORTS FOR ROOF INSTALLATION. COORDINATE EXACT TYPE WITH THE DEVELOPER. 2. VARIABLE SPEED (INVERTER) COMPRESSOR 3. FACTORY INSTALLED BASE PAN HEATER

4. FACTORY INSTALLED CRANKCASE HEATER

5. LOW VOLTAGE CONTROLS 6. AUTO-RESTART FUNCTION

7. CONDENSER HIGH TEMP PROTECTION 8. REFRIGERANT LEAKAGE DETECTION

9. MODES: COOL, HEAT, DRY, FAN, AUTO 10. QUIET OPERATION 11. ALUMINUM GOLDEN HYDROPHILIC PRE-COATED FINS

a. The mechanical contractor shall be responsible for creating record drawings where required. Drawings shall be produced

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

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,

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

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.

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

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

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

a. The mechanical contractor shall thoroughly examine all areas of work where equipment, ductwork, and piping will be

b. All work shall be done at times convenient to the owner and only during normal working hours, unless specified otherwise.

d. Access panels are not shown on drawings. During site examination, contractor shall identify all areas where access panels

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

d. The architectural drawings shall take precedence over all other drawings. Do not scale distances off the mechanical

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

are required, and report to general contractor. Designation of who furnishes and who installs access panels must 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.

the drawings/specifications and the codes and ordinances, the highest standard shall apply.

c. Mechanical contractor shall take their own measurements and be responsible for them.

contractor/construction manager, etc. prior to installation and/or fabrication.

c. If questions concerning design intent arise during coordination, EBS can assist where appropriate.

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

which apply in all respects to this section. The contractor shall visit the site and familiarize himself with all existing

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

12. Fire Stopping

MECHANICAL SPECIFICATIONS

conditions prior to bidding the work

must be provided upon request.

7. Site Examination

8. Contractor Coordination

9. Shop Drawings / Submittals

HVAC equipment

Temperature controls

Air balance report

payment will be approved without this certificate.

coordinated with general contractor prior to starting work.

drawings; use actual building dimensions.

drawings, specifications and applicable codes.

b. Shop drawings shall be required for the following:

Sheet metal coordination drawings

system are the responsibility of the mechanical contractor.

Use of Drawings And Specifications

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

14. Cutting and Patching

a. Neatly do all cutting as required and patch all cut surfaces to match building construction. The contractor shall employ and pay a trade trained and qualified to perform the required patching work. All surfaces disturbed shall be restored with like materials to the satisfaction of the owner. All penetrations through roof shall be made by bonded roofer. Mechanical contractor shall pay all fees required.

Flashing & Counterflashing a. Roof flashing shall be furnished and installed by the roofing contractor. Roof counterflashing shall be furnished and

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.

installed by the mechanical contractor. Coordinate work with roofing contractor and pay all fees.

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.

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. 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.

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"

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 when tested according to UL 723.

b. Exposed Ductwork: trim duct sealants flush with metal. Create a smooth and uniform exposed bead. Do not use two-part tape sealing system. 22. Duct Supports

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

ductwork. 23. Flexible Connections

25. Duct Access Doors

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.

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 Hart and Cooley, 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.

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

28. Ducted Split Systems 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.

A.The mechanical contractor shall furnish and install condensate drains, p-traps with removable cleanout caps for air equipment per manufacturer's recommendations. The p-trap depth shall be at least the depth specified for the respective pressure drop of the unit. Condensate drain piping shall be schedule 40 PVC pipe with solvent weld fittings [Insulate condensate walls of pipe with Armaflex AP, flexible closed cell elastomeric foam, 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 air equipment if the

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. 30. Piping Supports (Metal Pipe)

A.Furnish and install hot-dipped galvanized steel fasteners, hangers, anchors, rods, straps, trim and angles for support of 31. Piping Supports (Plastic Pipe)

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

32. 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

A.The individual performing the air balancing shall use calibrated equipment. The air balance contractor shall accurately balance the systems to provide air quantities as indicated on the drawings and in the schedules/specifications, operate

automatic control systems, and verify set points during balancing. 34. Sequence of Operation •H-1: heater shall be controlled from the integral thermostat. When the temperature of the vestibule drops below the

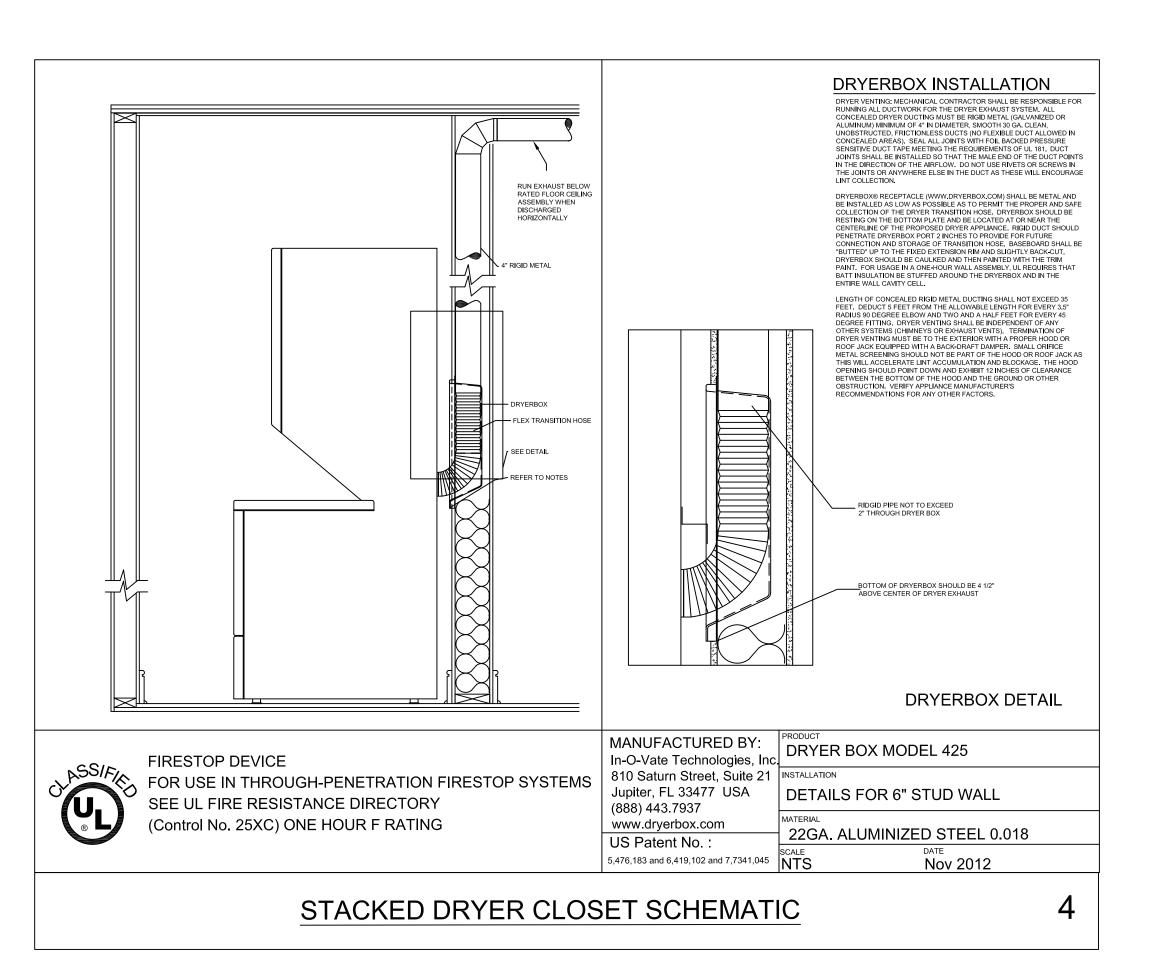
Exhaust Fans •E-1: exhaust fan shall run on a Light Switch (furnished by the electrical contractor).

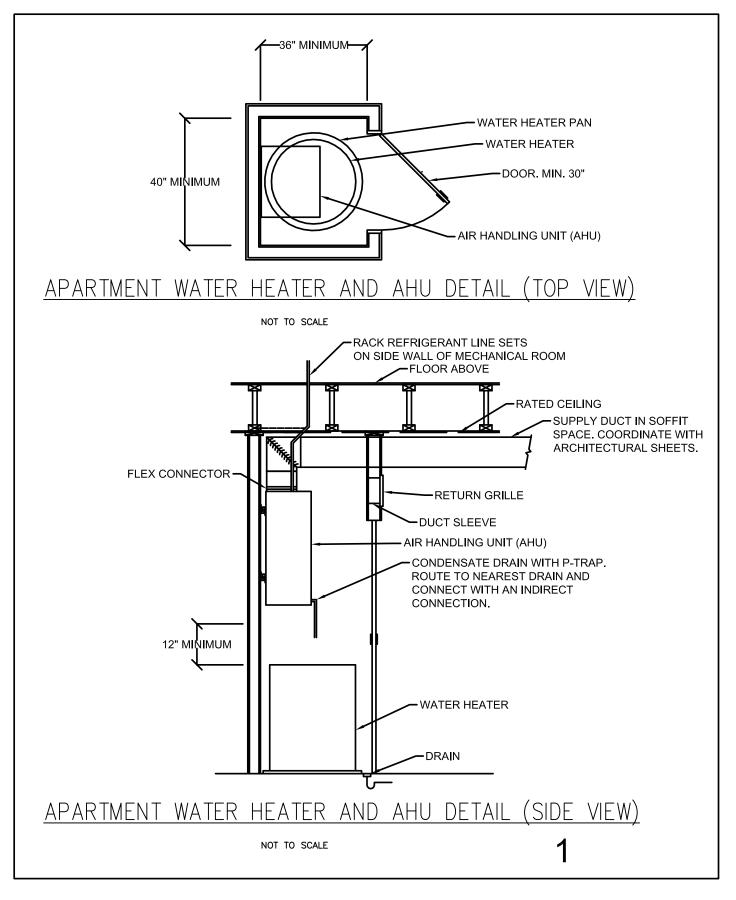
 Split Systems AHU/HP-1.5:

•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.

thermostat setpoint, the heater fan shall run and the electric heating element shall engage to maintain temperature

•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.





ARCHITECT & INTERIOR DESIGN ARCX STUDIO

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513.832.1302

CIVIL ENGINEER

STRUCTURAL ENGINEER

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ENIGINEERED BUILDING SERVICES, INC.

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER





DESCRIPTION

REVISION

ISSUED FOR

PERMIT

SHEET NAME

SHEET NO.

06-27-2023

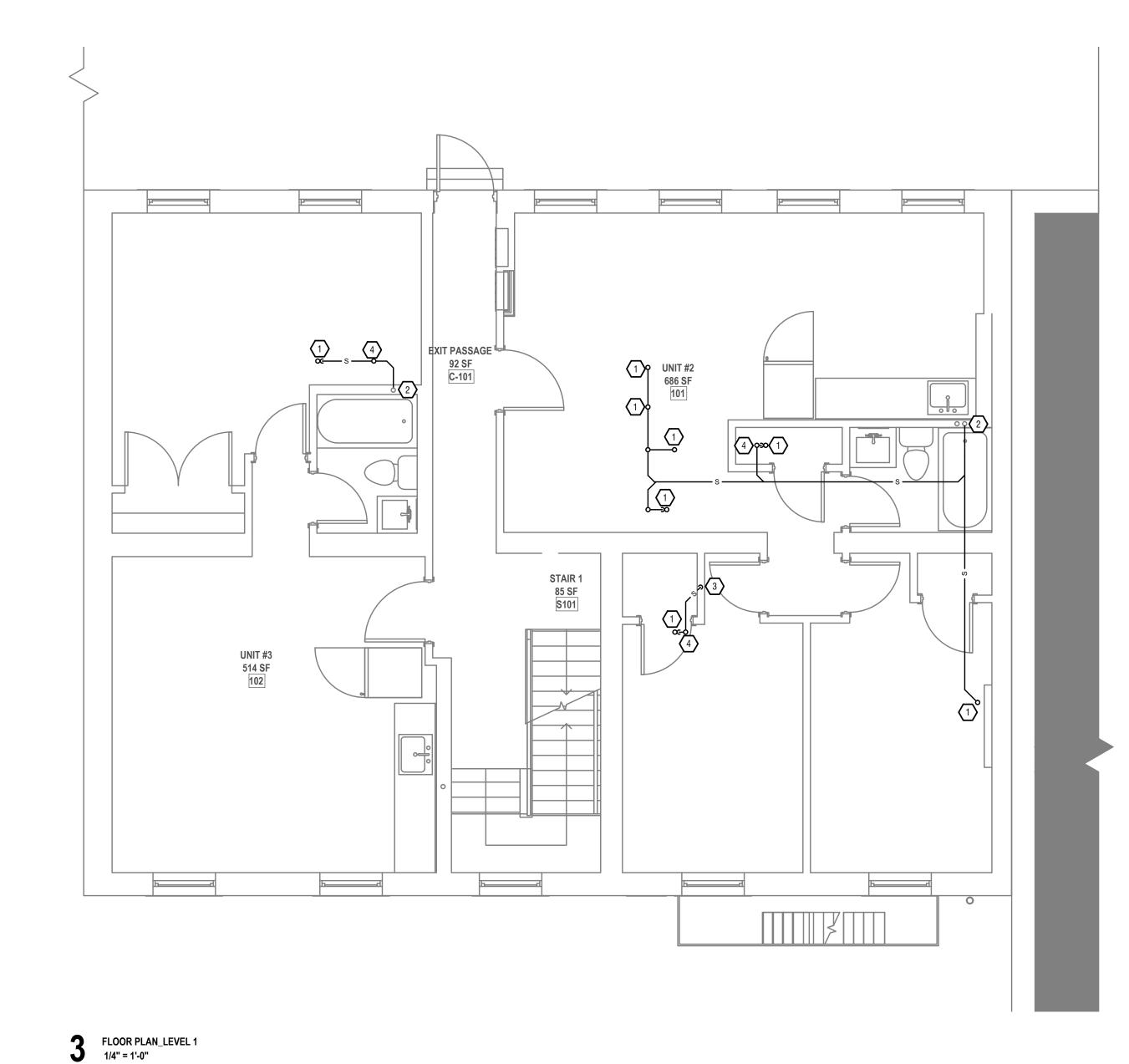
MECHANICAL

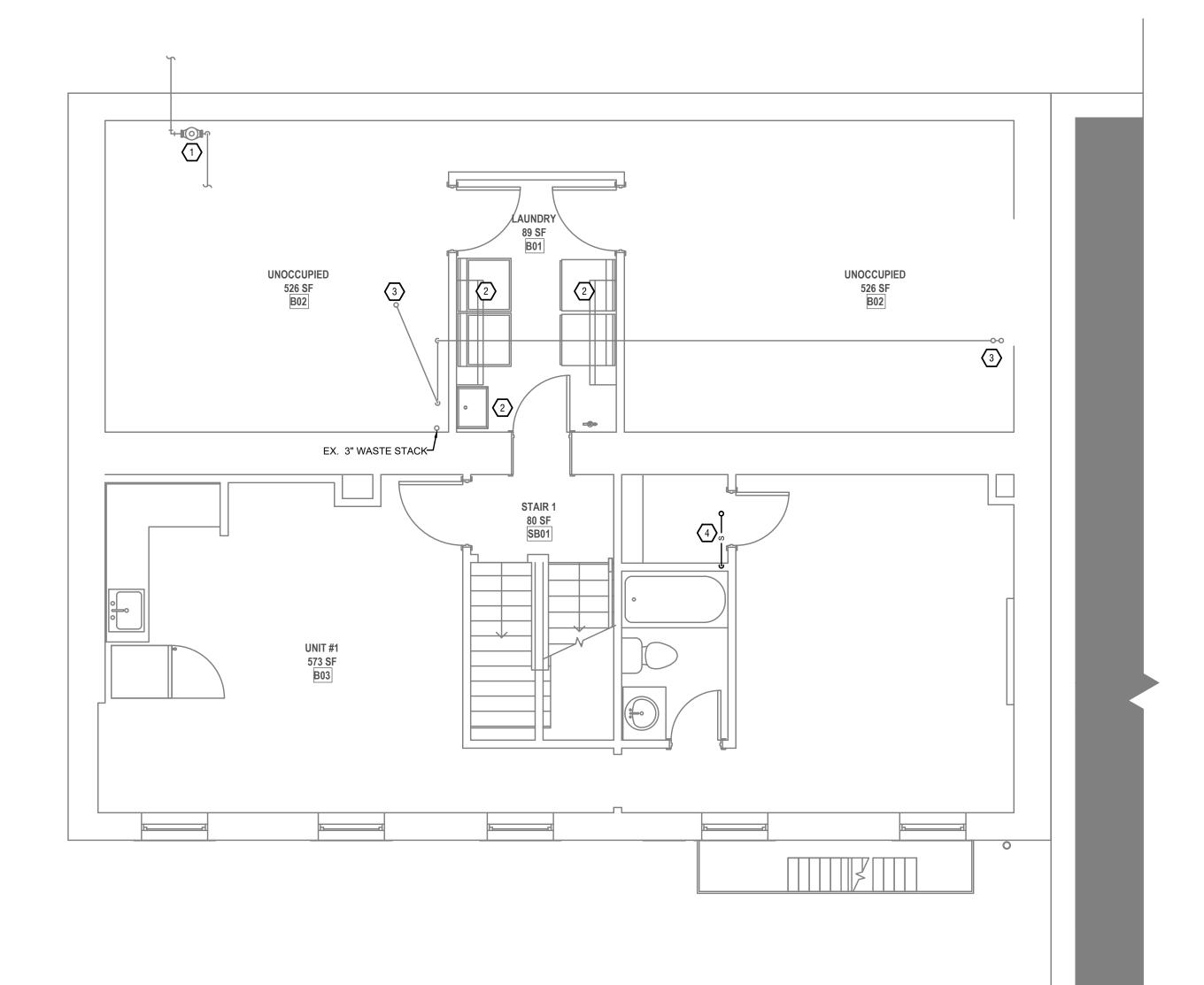
DETAILS

1/4" = 1'-0"

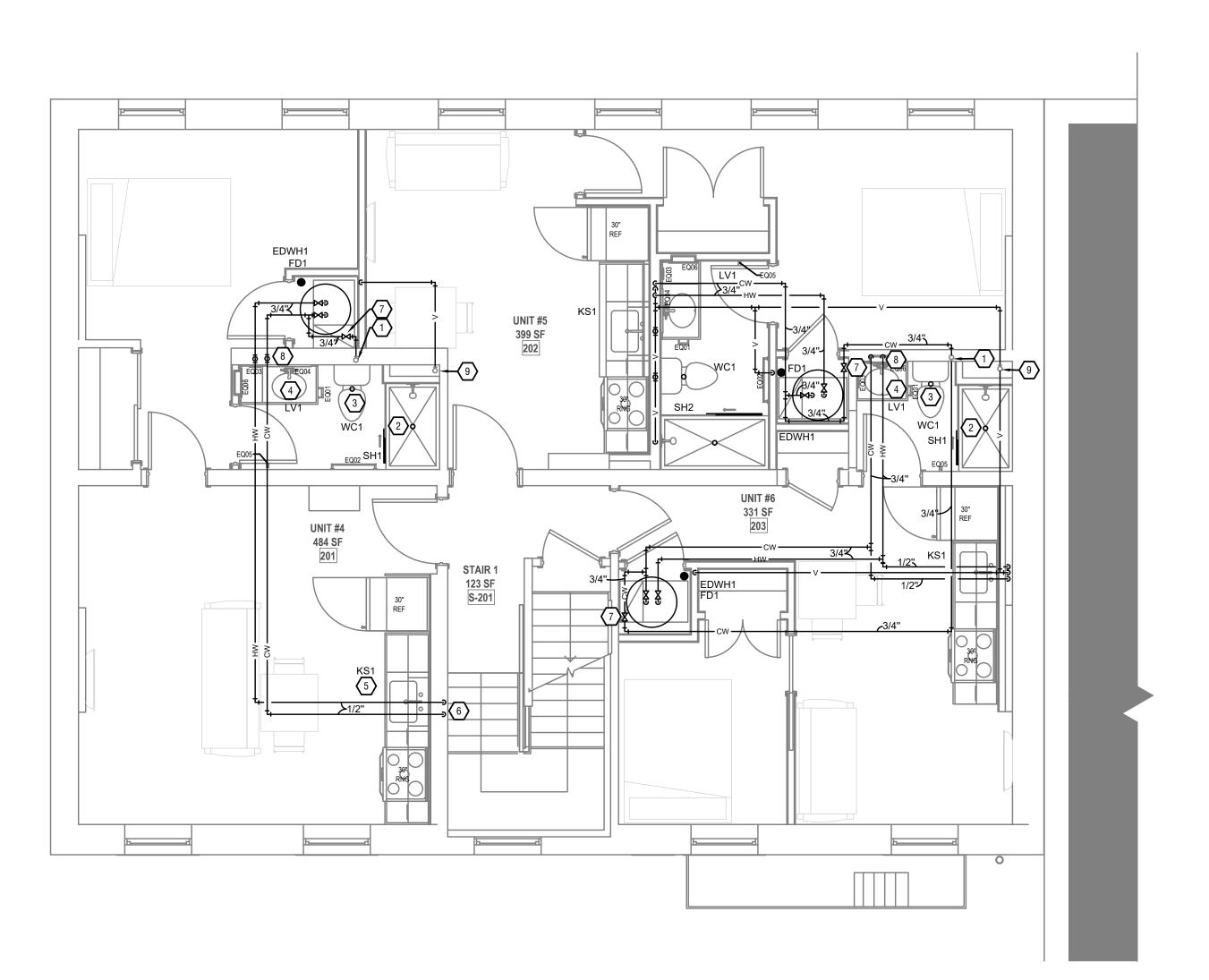
Z:\~Project Directories\~Project Setup\~PLOT SHETS\ARCX\30X42\;
THESE DRAWINGS AND SPECIFICATIONS ARE N
CODE COMPLIANCE. THE INSTALLING CONTRAC

FLOOR PLAN_SUB BASEMENT





FLOOR PLAN_BASEMENT 1/4" = 1'-0"



FLOOR PLAN LEVEL 2 1/4" = 1'-0"

SUB BASEMENT

- 1. EXISTING TO REMAIN SANITARY LATERAL. CONTRACTOR TO SCOPE/CAMERA AND CLEAN EXISTING LATERAL.
- EXISTING TO REMAIN GAS WATER HEATERS. GAS WATER HEATERS TO CONTINUE TO SUPPLY LOWER UNITS THAT ARE NOT WITHIN SCOPE OF WORK.
- WASTE DOWN FROM LEVEL ABOVE.
- . CONNECT NEW SANITARY WASTE TO EXISTING WASTE STACK. REFER TO ISOMETRIC FOR SIZING.
- 5. CONNECT NEW 3/4" SUPPLY FOR EXTERIOR WALL HYDRANT TO EXISTING COLD WATER LINE OF EQUAL OR GREATER SIZE.

BASEMENT

- EXISTING TO REMAIN 1" BRANCH SERVICE WITH 3/4" WATER METER.
- 2. EXISTING LAUNDRY AND UTILITY SINK TO REMAIN. 3. EXISTING TO REMAIN WASTE STACK FROM UPPER UNITS.
- 4. WASTE DOWN FROM LEVEL ABOVE. CONTINUE WASTE DOWN TO

1ST FLOOR

PLUMBING KEYED SHEET NOTES

- 1. SANITARY WASTE DOWN FROM FIXTURE LOCATED ABOVE LEVEL ABOVE.
- 2. CONNECT NEW WASTE FROM FIXTURES LOCATION ABOVE TO EXISTING SANITARY WASTE STACK.
- 3. NEW WASTE FROM FLOOR DRAIN DOWN TO LEVEL BELOW.
- 4. VENT UP TO LEVEL ABOVE.

2ND FLOOR

PLUMBING KEYED SHEET NOTES

1. CONNECT NEW 3/4" COLD WATER SUPPLY TO EXISTING 3/4" OR LARGER COLD WATER SUPPLY RISER.

- BATHTUB TO SHOWER CONVERSION. CONTRACTOR TO REWORK/REUSE EXISTING WASTE AND VENT LINES. REPAIR/REPLACE EXISTING PLUMBING
- LINES AS NEEDED. WATER CLOSET FIXTURE REPLACEMENT. CONTRACTOR TO CONNECT NEW
- WATER TO EXISTING WASTE AND VENT. REPAIR/REPLACE AS NEEDED. 4. LAVATORY REPLACEMENT AND RELOCATION. CONTRACTOR TO
- REWORK/REUSE EXISTING WASTE AND VENT. REPAIR/REPLACE EXISTING PLUMBING LINES AS NEEDED. 5. KITCHEN SINK FIXTURE REPLACEMENT CONTRACTOR TO CONNECT NEW
- 6. PROVIDE NEW 1/2" COLD AND HOT WATER SUPPLY TO KITCHEN SINK. CUT AND CAP EXISTING SUPPLIES BACK TO MAIN.

KITCHEN SINK TO EXISTING WASTE AND VENT. REPAIR/REPLACE AS NEEDED.

- 7. PROVIDE SHUT OFF VALVE AND PREVISIONS FOR FUTURE TAB METER INSTALLATION.
- 8. PROVIDE NEW 3/4" COLD WATER AND HOT WATER SUPPLY TO REMODELED
- CONNECT VENT TO EXISTING VENT STACK. REFER TO ISOMETRIC FOR SIZING.

BATHROOM GROUP. CUT AND CAP EXISTING SUPPLIES BACK TO MAIN.

ARCHITECT & INTERIOR DESIGN ARCX STUDIO

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CITY GOSPEL MISSION







ISSUED FOR

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PLUMBING FLOOR PLANS SHEET NO.

P1.00

AND ORDINANCES. THE HIGHEST STANDARD SHALL APPLY. THE PLUMBING CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD. 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

a. THE PLUMBING CONTRACTOR MUST REFER TO SITE PLANS,

ARCHITECTURAL PLANS AND ELEVATIONS, AND PRICING INSTRUCTIONS

PLUMBING CONTRACTOR'S PRICE (INCLUDING TAXES) SHOULD INCLUDE

b. THE PLUMBING CONTRACTOR SHALL BE LICENSED BY THE STATE OF OHIO

ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND

FROM THE GENERAL CONTRACTOR TO DEVELOP THEIR PRICE. THE

c. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL

APPLICABLE STATE, LOCAL CODES AND ORDINANCES. IN CASE OF

CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES

1. GENERAL PLUMBING REQUIREMENTS

FULLY OPERATIONAL PLUMBING SYSTEM.

TO INSTALL PLUMBING SYSTEMS.

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

g. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY PLUMBING PIPING PENETRATIONS. THIS INCLUDES CORING

h. EOUIPMENT 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. i. THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT AND PIPING WILL BE INSTALLED AND REPORT ANY CONDITION THAT PREVENTS THE PROPER INSTALLATION OF THE PLUMBING WORK PRIOR TO BID. ALL WORK SHALL RE DONE AT TIMES CONVENIENT TO THE OWNER AND ONLY DURING NORMAL WORKING HOURS, UNLESS SPECIFIED OTHERWISE.

PLUMBING CONTRACTOR SHALL TAKE THEIR OWN MEASUREMENTS. k. 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. 1. DRAWINGS ARE DIAGRAMMATIC ONLY INTENDING TO SHOW GENERAL RUNS AND LOCATIONS OF EQUIPMENT, FIXTURES, PIPING AND NOT NECESSARILY SHOWING ALL OFFSETS, DETAILS, ACCESSORIES AND EOUIPMENT TO BE CONNECTED.

m. 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.

n. NO PIPING SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHITECT. o. ANY PLUMBING SYSTEMS SERVING OTHER AREAS OF THE BUILDING MUST REMAIN UNDISTURBED/ OPERATIONAL. IF THE PLUMBING CONTRACTOR IDENTIFIES ANY INSTANCES WHERE THIS WILL NOT BE ACHIEVABLE. THEY MUST REPORT THIS TO THE GENERAL CONTRACTOR PRIOR TO TOUCHING THE SYSTEM(S).

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 REOUIRED TO CONSTRUCT THE PROJECT. AND TO PROVIDE A COMPLETE AND FULLY OPERATIONAL PLUMBING SYSTEM ARE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.

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

d. PROVIDE ADA COMPLIANT FIXTURES WHERE INDICATED ON THE ARCHITECTURAL PLANS. PROVIDE OFFSET FIXTURE TAILPIECES AND TRAPS 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

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). DRAIN PANS INSTALLED IN ROOMS BEING USED AS A PLENUM SHALL BE ALUMINUM.

6. DOMESTIC WATER SYSTEMS a. NEW FIXTURES SHALL BE CONNECTED TO THE EXISTING WATER

COUNTERTOP WITH SILICONIZED ACRYLIC-LATEX CAULK.

SERVICE/MAIN. b. INTERIOR DOMESTIC WATER PIPING:

WHITE UNLESS OTHERWISE NOTED.

i. WHERE ALLOWED BY CODE, CPVC PIPING CAN BE USED. a. CPVC PIPING 2" AND SMALLER SHALL BE EOUAL 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 FITTINGS. c. CONTROL VALVES SHALL BE MANUFACTURED BY OR APPROVED BY PIPING MANUFACTURER

d. ADJUST ALL STOPS AND VALVES PROPERLY PRIOR TO PROJECT

7. WATER HAMMER ARRESTORS/SHOCK ABSORBERS

Å ENs

Z:\~Project Directories\~Project Setup\~PLOT SHEFTS\ARCX\30X42\ THESE DRAWINGS AND SPECIFICATIONS ARE N CODE COMPLIANCE. THE INSTALLING CONTRA(

a. REMOVE SHOCK CONDITIONS FROM ALL PIPING. PROVIDE AND INSTALL WATER HAMMER ARRESTORS/SHOCK ABSORBERS ON ALL PIPING SERVING FLUSH VALVE FIXTURES, CLOTHES WASHER SUPPLY BOXES, COMMERCIAL WASHER SUPPLY LINES, AND OTHER EQUIPMENT WITH QUICK-CLOSING VALVES. WATER HAMMER ARRESTORS SHALL BE PROVIDED PER PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH

8. 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. 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. c. 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.

9. 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. POTABLE WATER-SUPPLIED TRAP SEAL PRIMER VALVE - A POTABLE WATER-SUPPLIED TRAP SEAL PRIMER VALVE MUST SUPPLY WATER TO THE TRAP. WATER-SUPPLIED TRAP SEAL PRIMERS MUST CONFORM TO ASSE 1018. THE DISCHARGE PIPE FROM THE TRAP SEAL PRIMER MUST CONNECT TO THE TRAP ABOVE THE TRAP SEAL ON THE INLET SIDE OF THE

c. 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.

10. CLEANOUTS

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.

11. 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. 12. VALVES FOR DOMESTIC WATER 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 GREATER.

c. GENERAL DUTY SHUT-OFF BALL VALVES i. 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

13. HANGERS & SUPPORTS

a. THE PLUMBING CONTRACTOR MUST FURNISH ALL PIPE SUPPORTS REOUIRED 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 DOMESTIC HOT WATER, 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, ADDESIVES, SEALERS, AND COATINGS MUST NOT EXCEED 2: FOR FLAME SPREAD AND 50 FOR SMOKE DEVELOPED. UNLESS OTHERWISE REQUIRED BY THE LOCAL AUTHORITY OR ENERGY CODES. THE MINIMUM

INSULATION LEVELS SHALL BE AS FOLLOWS: i. PROVIDE 1" THICK ELASTOMERIC INSULATION ON HOT PIPING. 15. 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 EOUAL. 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

16. ESCUTCHEON PLATES

a. INSTALL ONE-PIECE CHROME PLATED BRASS WALL PLATE EQUIPPED WITH SET SCREW AROUND ALL EXPOSED PIPE PASSING THROUGH WALLS IN FINISHED AREAS.

17. 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.

18. 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.

19. FLASHING & COUNTERFLASHING a. PROVIDE ROOF FLASHING AND COUNTERFLASHING FOR ALL ROOF

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

20. 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. 21. 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. BACKFILL UNDER BUILDING AND ALL DRIVES, ROADS AND WALKS WITH 22. CUTTING AND PATCHING

24. INSTALLATION

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 DISSIMILAR METALS.

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.

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

b. THE MAKE, MODEL NUMBER, TYPE, FINISH & ACCESSORIES OF ALL EOUIPMENT 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. 27. 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.

28. WARRANTY 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

FIXTURE

MANUFACTURER

STANDARD

HEIGHT

FIXTURE

MODEL#

238AA.104

MILIEACTLIRE

SIOUX CHIEF

FIXTURE

MANUFACTURER

AMERICAN

STANDARD

GLACIER BAY

JANUFACTURER

LOW-BOY

CONNECTION

0495.221

VUR3118A1AC

FIXTURE MODEL

VATION B8015A-ST3

VATION B8014A-ST3L

MODEL#

WATER HEATER SCHEDULE

KW INPUT

WATER CLOSET SCHEDULE

CONTROL | FLOW RATE | SEAT-TYPE

1.28

MANUFACTURER | MODEL

AMERICAN

STANDARD

AMERICAN

STANDARD

STANDARD

FAUCET

7385.00

319300.002

FAUCET MODEL

T11385507

PVC BODY, NICKEL-BRONZE STRAINER

DRAIN SCHEDULE

VOLTAGE

ADDITIONAL INFORMATION

ADDITIONAL INFORMATION

APPROVED FIXTURE

MANUFACTURERS

AMERICAN STANDARD,

KOHLER, ZURN

AMERICAN STANDARD,

KOHLER ZURN

ADDITIONAL FEATURES

DOUBLE DRAINAGE FLANGE, TRAP PRIMER, SQUARE STRAINER IF

INSTALLED IN TILE FLOOR

POP-UP

POP-UP

N/A

N/A

FLOW RATE

APPROVED FAUCET MANUFACTURERS

SLOAN. AMERICAN STANDARD, KOHLER, ZURN

SLOAN, AMERICAN STANDARD, KOHLER, ZURN

APPROVED FAUCET MANUFACTURER

KOHLER, AMERICAN STANDARD, SYMMONS.

POWERS, DELTA

KOHLER, AMERICAN STANDARD, SYMMONS.

POWERS DELTA

ADDITIONAL INFORMATION

INSULATE SUPPLIES & DRAIN WHERE

INSULATE SUPPLIES & DRAIN WHERE

NOT PROTECTED WITH SHROUD

ADDITIONAL INFORMATION

ACCEPTABLE MANUFACTURERS

SIOUX CHIEF, OATEY, NSF, JUMBO

NOT PROTECTED WITH SHROUD

REFER TO SPECIFICATIONS FOR DRAIN PAN

GALLON

ELONGATED MANUAL

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

MANUFACTURER MODEL

WATER CLOSET

DESCRIPTION

TANK-TYPE

LAVATORY DESCRIPTION

UNDERMOUNT LAVATORY

KITCHEN SINK

FIXTURE DESCRIPTION

30X48 SHOWER STALL

30X60 SHOWER STALL

DESCRIPTION

FLOOR DRAIN (FINISHED AREAS)

END OF DIVISION 22 - PLUMBING

MARK

MARK

	PLUMBING LEGEND
SYMBOL	DESCRIPTION
s	SANITARY/WASTE PIPING BELOW FLOOR
—-s—	SANITARY/WASTE PIPING ABOVE CEILING
v	VENT PIPING
	COLD WATER PIPING
——HW——	HOT WATER PIPING
—HWR—	HOT WATER RETURN PIPING
—	NATURAL GAS PIPING
——ST——	STORM PIPING
FD●	FLOOR DRAIN
—₩—	BALL VALVE
	CHECK VALVE
CO•	CLEANOUT
WH H	FROST PROOF WALL HYDRANT
#	VENT THROUGH ROOF RISER INDICATOR

PLUMBING GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE ARCHITECT. ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE

DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. DESIGN DRAWINGS ARE SCHEMATIC. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD

CONDITIONS, CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR REQUIRED FIELD MODIFICATIONS DUE TO EXISTING

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCA CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COST ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SH ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPA BETWEEN GOVERNING CODES AND DESIGN INTENT.

PROVIDE POINT-OF-USE THERMOSTATIC MIXING VALVES ON ALL PUBLIC LAVATORIES AND HAND SINKS. VALVES SHALL MEET ASSE 1070 AND SHA EQUAL TO WATTS USG-B.

PROVIDE SQUARE STRAINERS ON FLOOR DRAINS IN TILED AREAS. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR ALL FIXTURE MOUNT

PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETELY FURNISH, INSTALL, AND PLACE INTO OPERATION, ALL SYSTEMS SHOWN ON THE DRAWINGS AND DELINEATED IN THE SPECIFICATIONS IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND ORDINANCES. REPORT ANY KNOWN DISCREPANCIES TO THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

COORDINATE ALL WORK AND SPACE REQUIREMENTS IN CEILING SPACES WITH OTHER TRADES PRIOR TO INSTALL ATION: INCLUDING BUT NOT LIMITED TO: ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL, FIRE PROTECTION, AND MECHANICAL.

INSTALL ALL EQUIPMENT WITH CODE REQUIRED AND MANUFACTURER RECOMMENDED MINIMUM CLEARANCES FOR SERVICE, ACCESS, AND FIRE PROTECTION.

MAINTAIN A MINIMUM OF 10 FEET BETWEEN ALL OUTSIDE AIR INTAKES AND ALL EXHAUST, VENT, AND FLUE OUTLETS. WATER PIPING IN AREAS SUBJECT TO FREEZING TEMPERATURES WILL NOT BE

PERMITTED WITHOUT PROVIDING FROST PROOF PROTECTION.

MAKE FINAL CONNECTION TO OWNER SUPPLIED EQUIPMENT.

WHEREVER FIXTURES REQUIRING PLUMBING CONNECTIONS ARE FURNISHED BY OWNER OR ARE RELOCATED, PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL CARRIERS, "P" TRAP AND STOPS.

ARCX STUDIO
FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302
CIVIL ENGINEER
STRUCTURAL ENGINEER

MEP ENGINEER

859.261.0585

ADVANTAGE GROUP ENGINEERS, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

ARCHITECT & INTERIOR DESIGN

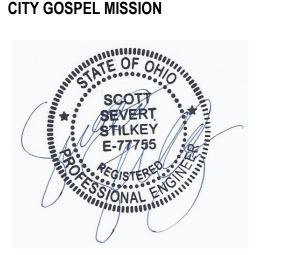
513.396.8900

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

HTCTC - 127-129 GOETHE

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER





DESCRIPTION

ISSUED FOR PERMIT 06-27-2023

SHEET NAME PLUMBING DETAILS

SHEET NO.

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42

'H INFORMATION TO DETERMI GENERAL CONTRACTOR, ETC

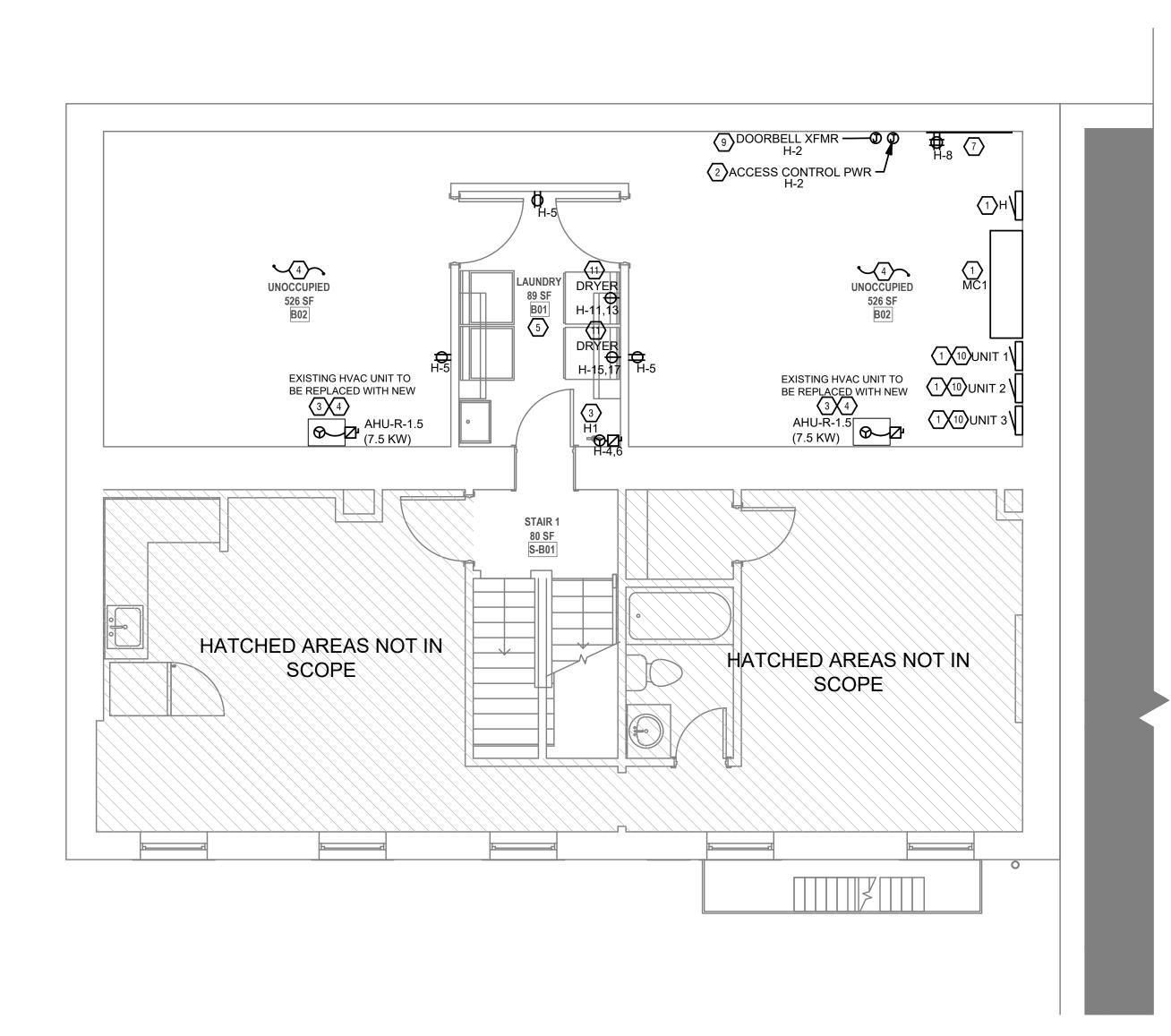
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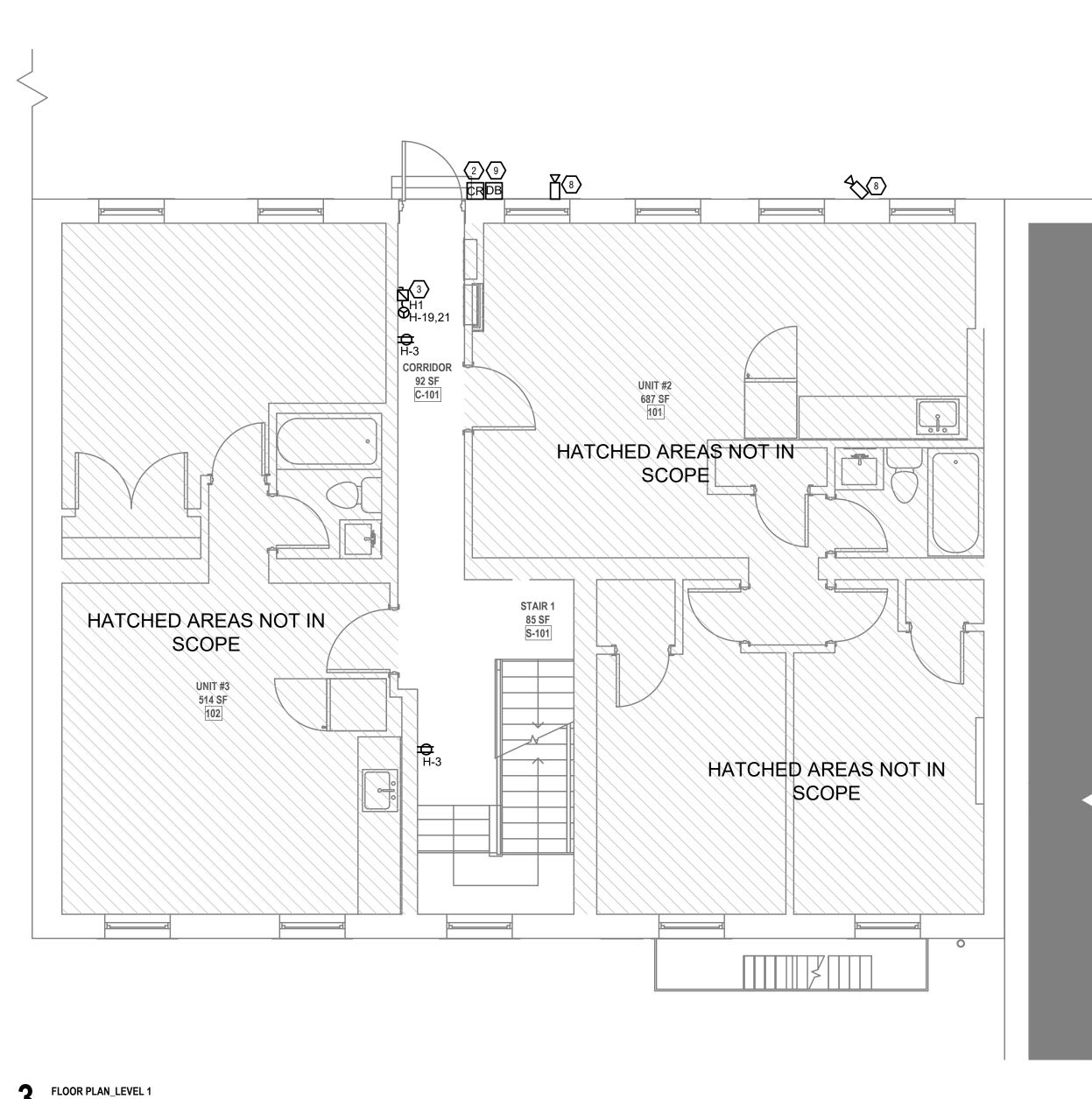
XREF-ART.dwg-Model. Plot Date/Time: Apr 27, 2022-10:04am -OT AUTHORIZED TO BE USED AS CONTRACT STOR IS RESPONSIBLE TO ENSURE THAT ME/

Z:\~Project Directories\~Project Setup\~PLOT SHEFTS\ARCX\30X42\ THESE DRAWINGS AND SPECIFICATIONS ARE N CODE COMPLIANCE. THE INSTALLING CONTRAC

↑ FLOOR PLAN_BASEMENT

1/4" = 1'-0"





1/4" = 1'-0"

SCOPE OF WORK

PROJECT CONSISTS OF THE PARTIAL RENOVATION TO AN EXISTING MULTI-FAMILY BUILDING. NEW WORK TO INCLUDE NEW METERCENTER AND WIRING FOR 5 NEW APARTMENT UNITS, BACK-FEED 2 EXISTING APT PANELS, AND PROVIDE NEW BRANCH CIRCUITING AS SHOWN ON THE ELECTRICAL FLOOR PLANS. SEE DETAILS SHEETS FOR MORE INFORMATION.

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-POWER

- A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT/CABLE ROUTING. COORDINATE ROUTING WITH ALL OTHER TRADES AND BUILDING
- 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.
- 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.
- SIZES WITH THE CONTRACTOR FURNISHING THE EQUIPMENT.

 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. GFCI DEVICES MUST BE INSTALLED IN ACCESSIBLE LOCATIONS AND NOT PLACED BEHIND EQUIPMENT.

GENERAL NOTES-DWELLING UNITS

- A. PROVIDE AFCI PROTECTION IN ACCORDANCE WITH NEC 210.12. AFCI PROTECTION MUST BE PROVIDED WHERE EXISTING BRANCH CIRCUIT WIRING IS MODIFIED, OR RECEPTACLES ARE REPLACED, IN ACCORDANCE WITH NEC AND LOCAL ELECTRICAL INSPECTION REQUIREMENTS. REFER TO NEC 406.4 (D) AND NEC 210.12 (D)
- 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. THE INTENT OF DRAWINGS SHOWING SMOKE ALARM LOCATIONS IS TO DEMONSTRATE GENERAL CONFORMANCE WITH APPLICABLE CODES. ELECTRICAL CONTRACTOR TO COORDINATE FINAL PLACEMENT OF SMOKE ALARMS WITH ACTUAL CEILING CONFIGURATION, CEILING FAN LOCATIONS, DISTANCE TO BATHROOMS, DISTANCE TO COOKING APPLIANCES, ETC. AND INSTALL PER THE REQUIREMENTS OF APPLICABLE CODES.
- D. 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.

 E. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATIONS OF ALL LIGHT FIXTURES.
- F. PROVIDE CONDUIT AND PULL STRING TO APPROVED LOCATION FOR VOICE, DATA, AND CATV CABLES.
- G. CIRCUITING ON DRAWINGS AND PANEL SCHEDULE IS SHOWN TYPICAL FOR SIMILAR UNITS. REFER TO DWELLING UNIT LOAD SUMMARIES FOR INDIVIDUAL
- DWELLING UNIT LOAD CALCULATIONS

 H. 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.

 I. LIGHTING INSTALLED IN CLOTHES CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH NEC 410.16.
- J. GFCI/AFCI DEVICES MUST BE INSTALLED IN ACCESSIBLE LOCATIONS AND NOT PLACED BEHIND EQUIPMENT.

PEROLD BETTING EQUIT MENT.

A. NEW CABLING TO BE INSTALLED THROUGHOUT BUILDING. CONFIRM REQUIRED CABLING WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION. EC TO UTILIZE EXISTING CABLING AS "PULL-STRINGS" TO INSTALL NEW WIRING. IF EXISTING CABLE CANNOT BE USED, COORDINATE WIRING

METHODS WITH OWNER AND ARCHITECT AS THEY ARISE

GENERAL NOTES - BRANCH CIRCUIT

BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. CONDUCTORS SHALL BE INSULATED FOR 600V NUMBER 12 AWG MINIMUM. PROVIDE WIRES AND CABLES AS INDICATED LISTED AND SUITABLE FOR TEMPERATURE,

★ KEYED SHEET NOTES

INSTALLING CONTRACTOR.

CONDITIONS, AND LOCATION WHERE INSTALLED.

- NEW ELECTRICAL EQUIPMENT. SEE DETAILS SHEETS FOR MORE
- 2. PROVIDE ACCESS CONTROL WIRING AT FRONT ENTRANCE & CONTROL POWER IN BASEMENT AS INSTRUCTED BY OWNER, ARCHITECT AND
- MECHANICAL EQUIPMENT PROVIDED BY THE MECHANICAL CONTRACTOR.

 WIRING BY THE ELECTRICAL CONTRACTOR. VERIFY LOCATION AND

 REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN

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- REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

 4. EXISTING MECHANICAL EQUIPMENT TO BE REPLACED WITH NEW. PROVIDE NEW BRANCH CIRCUITING FROM CORRESPONDING APT. PANEL. FIELD VERIFY ALL WORK PRIOR TO CONSTRUCTION. SEE PANEL SCHEDULES FOR MORE
- INFORMATION.

 5. EXISTING LAUNDRY EQUIPMENT (& ASSOCIATED BRANCH CIRCUITING) TO REMAIN IN THIS AREA. FIELD VERIFY WIRING/DEVICES ARE IN GOOD WORKING
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 6. APT. UNIT LOW VOLTAGE/DATA DEMARC LOCATION. PROVIDE DEDICATED HOME-RUN FROM BASEMENT DEMARC TO APT UNIT DEMARC. CONFIRM &
- PROVIDE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO CONSTRUCTION.

 7. PROVIDE DEDICATED QUAD RECEPTACLE AND 4'X4'X3/4" PLYWOOD BACK BOARD IN BASEMENT TO SERVE BLD. PHONE/TV/DATA UTILITY DEMARC. COORDINATE ALL WORK WITH UTILITY PROVIDER, ARCHITECT, AND GC PRIOR
- TO CONSTRUCTION.

 8. COORDINATE REQUIRED CABLING AND FINAL LOCATION FOR OWNER
- PROVIDED SECURITY CAMERA/SYSTEM.

 9. PROVIDE DOORBELL WIRING AND ASSOCIATED POWER (IF NEEDED) FOR APT
- UNIT DOORBELLS. EACH APT REQUIRES ONE. CONFIRM WIRING AND OTHER EC RESPONSIBILITIES WITH OWNER, & ARCHITECT PRIOR TO CONSTRUCTION.

 10. EC TO REPLACE EXISTING 100-AMP APT PANEL WITH NEW 125 AMP PANEL AS SHOWN. PROVIDE NEW WIRING FROM NEW METERCENTER AND BACK FEED ALL EXISTING BRANCH CIRCUITING. FIELD VERIFY BREAKER COUNTS AND REPAIR ALL DAMAGED BRANCH CIRCUIT WIRING AS REQUIRED IN CODE APPROVED WIRING METHODS.
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ARCX STUDI

ARCHITECT & INTERIOR DESIGN

ARCX STUDIO

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HTCTC - 127-129 GOETHE

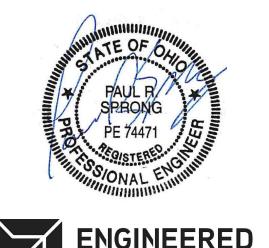
RENOVATION 127-129 GOETHE ST

ARCX STUDIO PROJECT NUMBER

2301

CINCINNATI, 45202

CITY GOSPEL MISSION



BUILDING SYSTEMS INC.



Δ DESCRIPTION DATE

ISSUED FOR

06-27-2023 SHEET NAME

ELECTRICAL POWER FLOOR PLANS

SHEET NO.

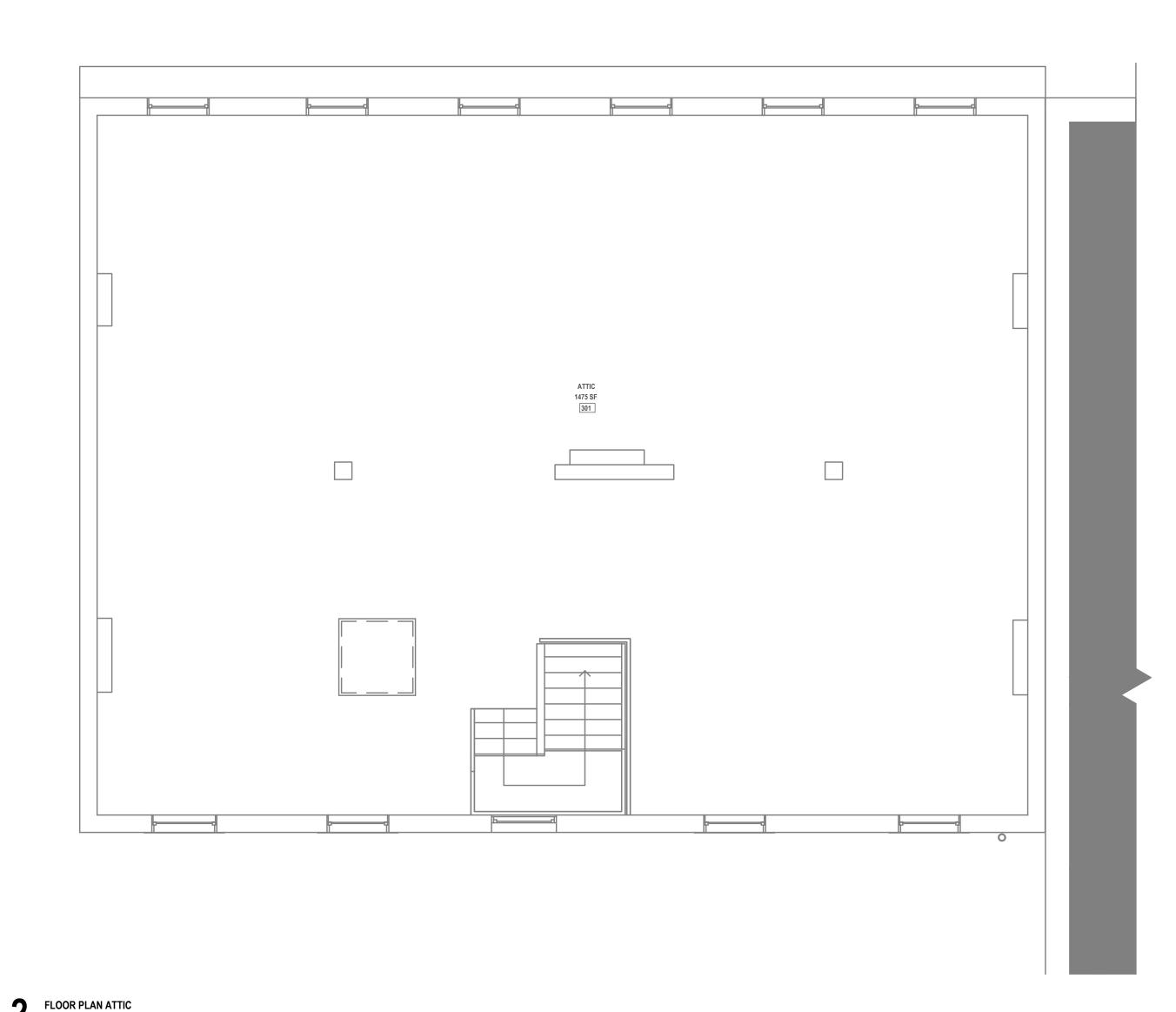
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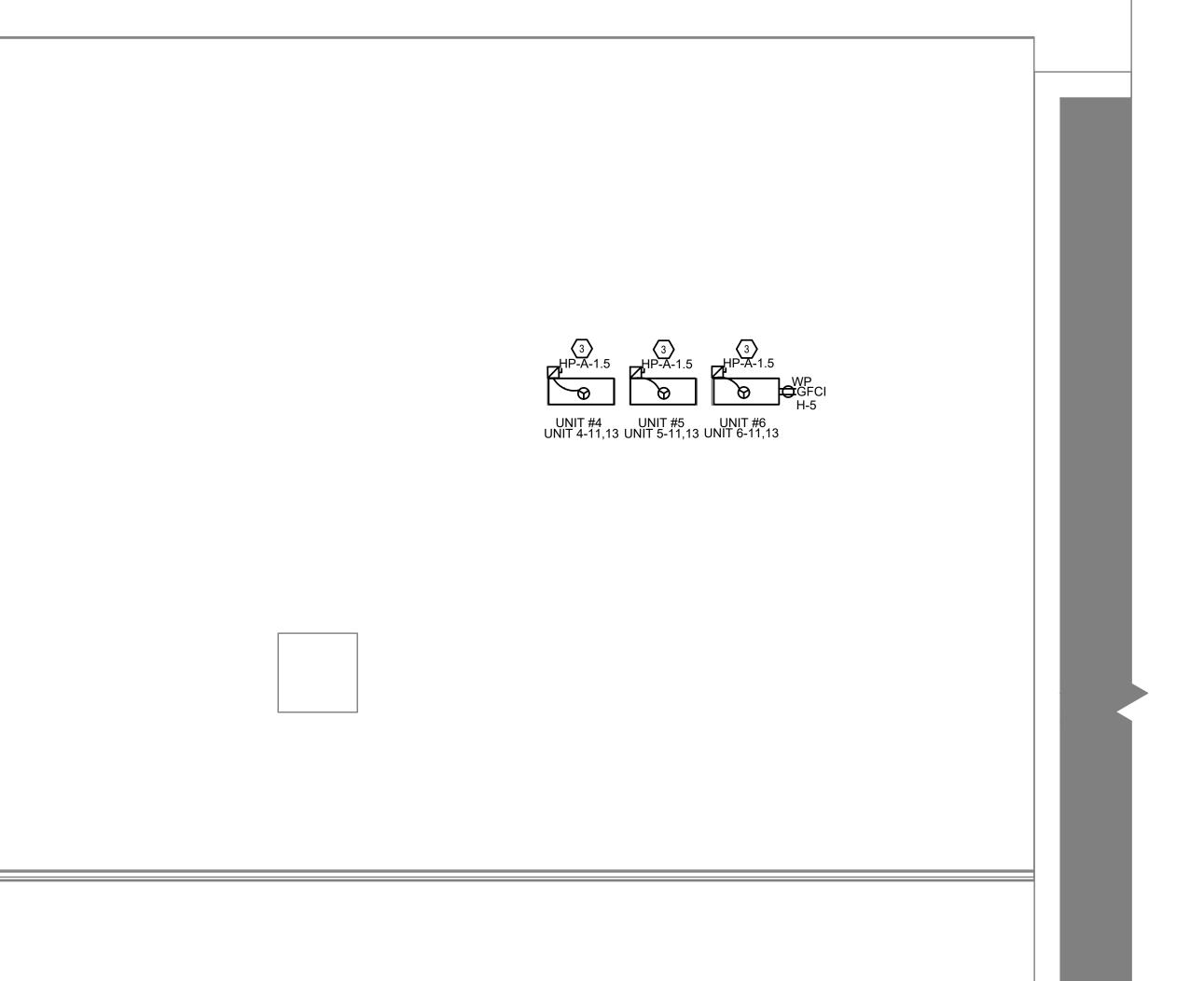
FLOOR PLAN LEVEL 2 1/4" = 1'-0"

I TO DETERMIN RACTOR, ETC.

Z:\~Project Directories\~Project Setup\~PLOT SHEETS\ARCX\30X42\XREF-ART.dwg-Model. Plot Date/Time: Apr 27, 2022-10:04am - By: Denny.lehmkuhl THESE DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. CODE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS

1/4" = 1'-0"





SCOPE OF WORK

PROJECT CONSISTS OF THE PARTIAL RENOVATION TO AN EXISTING MULTI-FAMILY BUILDING. NEW WORK TO INCLUDE NEW METERCENTER AND WIRING FOR 5 NEW APARTMENT UNITS, BACK-FEED 2 EXISTING APT PANELS, AND PROVIDE NEW BRANCH CIRCUITING AS SHOWN ON THE ELECTRICAL FLOOR PLANS. SEE DETAILS SHEETS

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- 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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- GFCI/AFCI DEVICES MUST BE INSTALLED IN ACCESSIBLE LOCATIONS AND NOT PLACED BEHIND EQUIPMENT.

GENERAL NOTES - NEW DATA CABLING

NEW CABLING TO BE INSTALLED THROUGHOUT BUILDING. CONFIRM REQUIRED CABLING WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION. EC TO UTILIZE EXISTING CABLING AS "PULL-STRINGS" TO INSTALL NEW WIRING. IF EXISTING CABLE CANNOT BE USED, COORDINATE WIRING METHODS WITH OWNER AND ARCHITECT AS THEY ARISE

GENERAL NOTES - BRANCH CIRCUIT

BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. 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.

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INFORMATION.

- NEW ELECTRICAL EQUIPMENT. SEE DETAILS SHEETS FOR MORE
- PROVIDE ACCESS CONTROL WIRING AT FRONT ENTRANCE & CONTROL POWER IN BASEMENT AS INSTRUCTED BY OWNER, ARCHITECT AND
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- EXISTING LAUNDRY EQUIPMENT (& ASSOCIATED BRANCH CIRCUITING) TO REMAIN IN THIS AREA. FIELD VERIFY WIRING/DEVICES ARE IN GOOD WORKING
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ARCHITECT & INTERIOR DESIGN ARCX STUDIO

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ENIGINEERED BUILDING SERVICES, INC.

515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

859.261.0585

HTCTC - 127-129 GOETHE RENOVATION

CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION





△ DESCRIPTION

PERMIT 06-27-2023

SHEET NAME **ELECTRICAL POWER**

FLOOR PLANS SHEET NO.

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MODEL	INPUT VA
E	0	(1) 12W LED	EXISTING FIXTURE	TBD	12
EE4	Ю	(1) 12W LED	DECORATIVE EXTERIOR WALL LIGHT	BASELITE SB16-50-E3-LED12W-30K-LDMO-10V-BA6	12
EM	[c	(2) 1.7W LED	EMERGENCY LIGHTING UNIT W/ 90 MIN. BATTERY	LITHONIA EU2C	3.4
ER	4	(2) LED	DUAL LAMP REMOTE HEAD (EXTERIOR EGRESS ILLUMINATION)	LITHONIA ERE X SGL SQ WP	
ESL	Ø\$	(1) 1.1W LED	EXIT/EMERGENCY COMBO W/ 90 MIN. BATTERY (PROVIDE REMOTE CAPIBILITY WHERE NEEDED)	LITHONIA ECRG HO RD M6	2.2
F1		(1) 16W LED/MOTOR	FAN/LIGHT COMBO	RP LIGHTING ALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL	16
FD1	4	(1) 20W	EXTERIOR FLOOD LIGHT	SUNLITE 20-WATT 150-DEGREE BLACK MOTION ACTIVATED OUTDOOR INTEGRATED LED FLOOD DUAL HEAD ROUND WALL MOUNT SECURITY LIGHT, 5000K	20
FL4-S	ю——	(1) 43W LED	4' LED SURFACE STRIP	LITHONIA CSS L484 AL03 MVOLT SWW3 80CRI	43
SM1	0	(1) 15W LED	8" SURFACE MOUNT LED	AFX LIGHTING EGRF08LAJD1WH	15
SM2	0	(1) 12W LED	6" SURFACE MOUNT DISC	AFX LIGHTING EGRF06LAJD1WH	12
SM3	0	(1) 13W LED	7" LED DISC SURFACE MOUNT	JSF LIGHTING JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH	13
UC8		(1) 6.5W LED	UNDERCABINET LIGHTING	WAC LIGHTING 120 3-CCT BARLIGHT BA-AC08-CS 35K-90-WH	6.5
UC18		(1) 10.5W LED	UNDERCABINET LIGHTING	WAC LIGHTING120V 3-CCT BARLIGHT BA-AC18-CS 35K-90-WH	10.5
UD1	Ю	(1) 64W LED	UP/DOWN EXTERIOR FIXTURE (REPLACES EXISTING FIXTURE)	PROVIDED BY OWNER - EC TO REPLACE EXISTING FIXTURE AND PROVIDE NEW WIRING AS NEEDED	64
V2	<u>Н</u>	(2) 13W LED E26	BATH VANITY	SHADES OF LIGHT VERSATILE VANITY LIGHT - 2 LIGHT. SKU: BS18162 AB AGED	26

NL = EGRESS ILLUMINATION

SCOPE OF WORK

PROJECT CONSISTS OF THE PARTIAL RENOVATION TO AN EXISTING MULTI-FAMILY BUILDING. NEW WORK TO INCLUDE NEW METERCENTER AND WIRING FOR 5 NEW APARTMENT UNITS, BACK-FEED 2 EXISTING APT PANELS, AND PROVIDE NEW BRANCH CIRCUITING AS SHOWN ON THE ELECTRICAL FLOOR PLANS. SEE DETAILS SHEETS FOR MORE INFORMATION.

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- MECHANICAL EQUIPMENT PROVIDED BY THE MECHANICAL CONTRACTOR. WIRING BY THE ELECTRICAL CONTRACTOR. VERIFY LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

 EXTERIOR FD1 LIGHTS ON BASE/SECOND FLOOR ELEVATIONS ARE TO BE CONTROLLED BY THE SAME SWITCH AS THE FIRST FLOOR FD1 LIGHTS. CONCEAL ALL WIRING INSIDE BUILDING, NO EXPOSED CONDUITS ON BUILDING.
- EXTERIOR.

 REPLACE EXISTING REAR EXTERIOR LIGHT FIXTURE WITH NEW UP/DOWN FIXTURE PROVIDED BY OWNER. MAINTAIN CURRENT WIRING AND CONTROLS AND REPAIR/REPLACE EXISTING WIRING IN CODE APPROVED WIRING METHODS, AS NEEDED.

ARCX STUDIO

ARCHITECT & INTERIOR DESIGN

ARCX STUDIO
FIRM.18314012
1616 VINE STREET, CINCINNATI, OH 45202

CIVIL ENGINEER

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STRUCTURAL ENGINEER ADVANTAGE GROUP ENGINEERS, INC.

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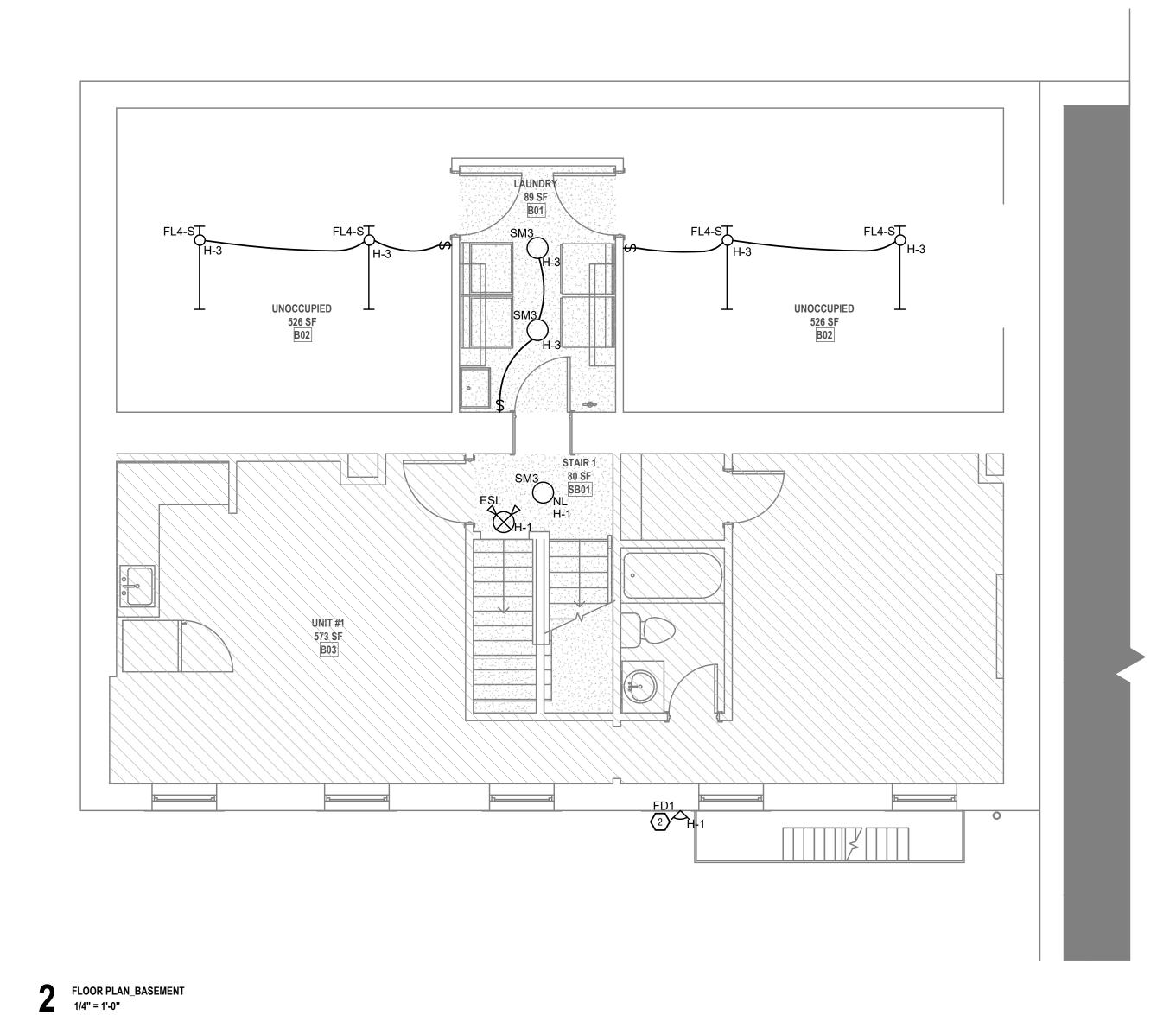


State State

FLOOR PLAN_SUB BASEMENT 1/4" = 1'-0"

'H INFORMATION TO DETERMI GENERAL CONTRACTOR, ETC

Z:\~Project Directories\10100 - 10199\10199 - City Gospel Mission - 127-129, 131 & 141 Goethe St. - Cincinnati OH (ARCX)\~Construction Documents\~~~~129 Goethe St\E2.00-ELEC-LGT-PLAN-127.dwg-EBS. Plot Date/Time: Jun 27, 2023-4:08pm \$(++)
THESE DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. THESE DRAWINGS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE WITH AN CODE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLED IN CONSTRUCTION AND MATERIALS USED AND MATERIALS USED AND MATERIALS AND M



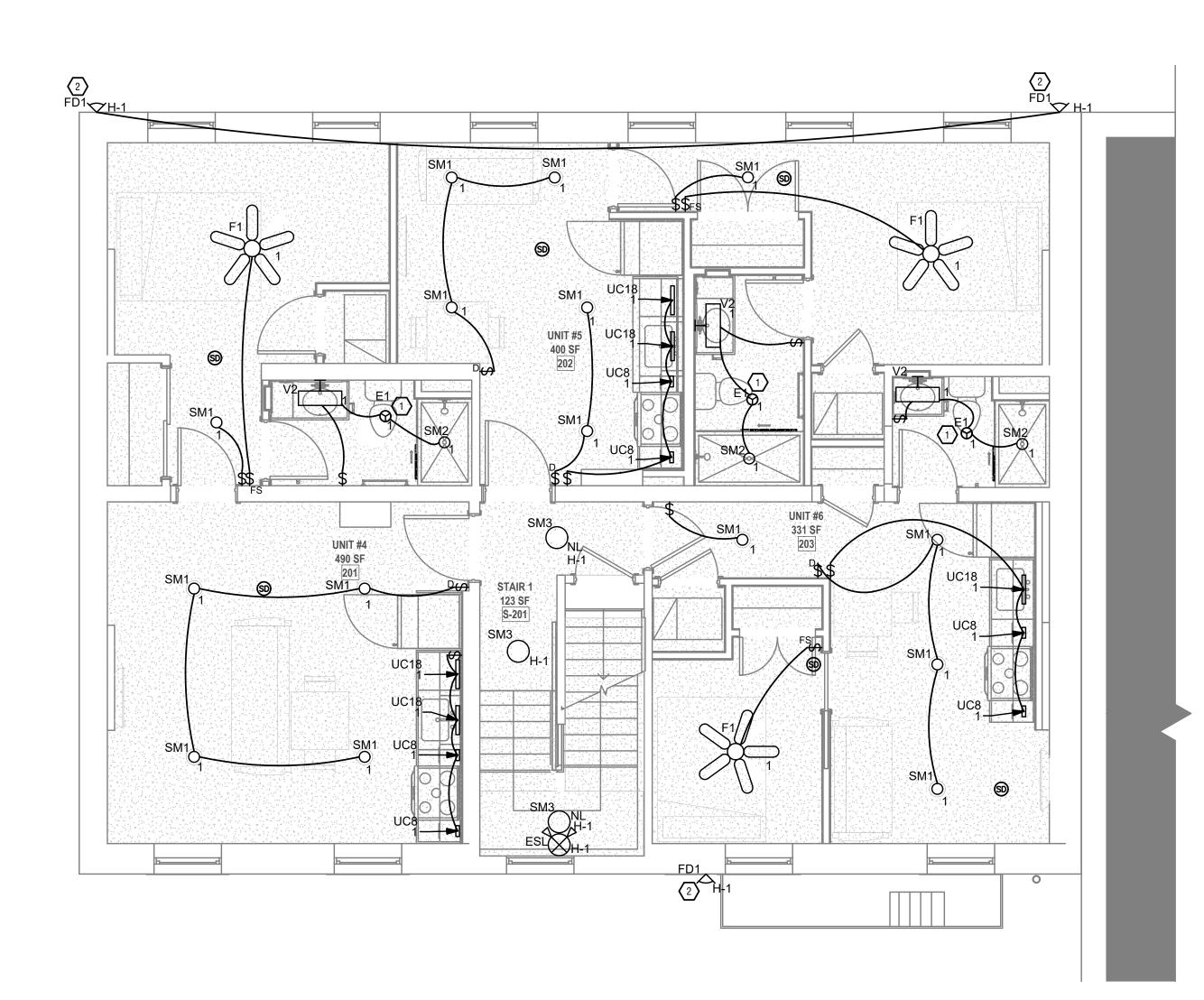
FLOOR PLAN_LEVEL 1
1/4" = 1'-0"

ISSUED FOR

DESCRIPTION

PERMIT
06-27-2023
SHEET NAME
ELECTRICAL LIGHTING
FLOOR PLANS

SHEET NO.



I TO DETERMIN RACTOR, ETC.

2:\~Project Directories\~Project Setup\~PLOT SHEETS\ARCX\30X42\XREF-ART.dwg-Model. Plot Date/Time: Apr 27, 2022-10:04am - By: Denny.lehmkuhl
THESE DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. THESE DRAWINGS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLING

FLOOR PLAN LEVEL 2 1/4" = 1'-0"

2 FLOOR PLAN ATTIC 1/4" = 1'-0"

CITY GOSPEL MISSION LUMINAIRE SCHEDULE INPUT VA CALLOUT SYMBOL DESCRIPTION MODEL (1) 12W LED EXISTING FIXTURE BASELITE SB16-50-E3-LED12W-30K-LDMO-10V-BA6 (1) 12W LED DECORATIVE EXTERIOR WALL LIGHT LITHONIA EU2C (2) 1.7W LED EMERGENCY LIGHTING UNIT W/ 90 MIN. (2) LED DUAL LAMP REMOTE HEAD (EXTERIOR EGRESS | LITHONIA ERE X SGL SQ WP ILLUMINATION) EXIT/EMERGENCY COMBO W/ 90 MIN. BATTERY LITHONIA ECRG HO RD M6 ESL (1) 1.1W LED (PROVIDE REMOTE CAPIBILITY WHERE NEEDED) 1) 16W LED/MOTOR FAN/LIGHT COMBO RP LIGHTING ALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL FD1 EXTERIOR FLOOD LIGHT SUNLITE 20-WATT 150-DEGREE BLACK MOTION (1) 20W ACTIVATED OUTDOOR INTEGRATED LED FLOOD DUAL HEAD ROUND WALL MOUNT SECURITY LIGHT, 5000K FL4-S 1) 43W LED 4' LED SURFACE STRIP LITHONIA CSS L484 AL03 MVOLT SWW3 80CRI 1) 15W LED 8" SURFACE MOUNT LED AFX LIGHTING EGRF08LAJD1WH (1) 12W LED 6" SURFACE MOUNT DISC AFX LIGHTING EGRF06LAJD1WH (1) 13W LED 7" LED DISC SURFACE MOUNT JSF LIGHTING JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH UC8 (1) 6.5W LED UNDERCABINET LIGHTING WAC LIGHTING 120 3-CCT BARLIGHT BA-AC08-CS UC18 (1) 10.5W LED UNDERCABINET LIGHTING WAC LIGHTING120V 3-CCT BARLIGHT BA-AC18-CS 1) 64W LED UP/DOWN EXTERIOR FIXTURE (REPLACES PROVIDED BY OWNER - EC TO REPLACE EXISTING EXISTING FIXTURE) FIXTURE AND PROVIDE NEW WIRING AS NEEDED (2) 13W LED E26 BATH VANITY SHADES OF LIGHT VERSATILE VANITY LIGHT - 2 LIGHT. 26 SKU: BS18162 AB AGED

SCOPE OF WORK

PROJECT CONSISTS OF THE PARTIAL RENOVATION TO AN EXISTING MULTI-FAMILY BUILDING. NEW WORK TO INCLUDE NEW METERCENTER AND WIRING FOR 5 NEW APARTMENT UNITS, BACK-FEED 2 EXISTING APT PANELS, AND PROVIDE NEW BRANCH CIRCUITING AS SHOWN ON THE ELECTRICAL FLOOR PLANS. SEE DETAILS SHEETS FOR MORE INFORMATION.

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 - BRANCH CIRCUIT

BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. 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.

KEYED SHEET NOTES

MECHANICAL EQUIPMENT PROVIDED BY THE MECHANICAL CONTRACTOR. WIRING BY THE ELECTRICAL CONTRACTOR. VERIFY LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. EXTERIOR FD1 LIGHTS ON BASE/SECOND FLOOR ELEVATIONS ARE TO BE CONTROLLED BY THE SAME SWITCH AS THE FIRST FLOOR FD1 LIGHTS. CONCEAL ALL WIRING INSIDE BUILDING, NO EXPOSED CONDUITS ON BUILDING

REPLACE EXISTING REAR EXTERIOR LIGHT FIXTURE WITH NEW UP/DOWN FIXTURE PROVIDED BY OWNER. MAINTAIN CURRENT WIRING AND CONTROLS AND REPAIR/REPLACE EXISTING WIRING IN CODE APPROVED WIRING METHODS, AS NEEDED.

ARCHITECT & INTERIOR DESIGN

ARCX STUDIO FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

CIVIL ENGINEER

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

MEP ENGINEER

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

859.261.0585

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION





REVISION DESCRIPTION

ISSUED FOR

SHEET NO.

PERMIT 06-27-2023 SHEET NAME **ELECTRICAL LIGHTING FLOOR PLANS**

NL = EGRESS ILLUMINATION

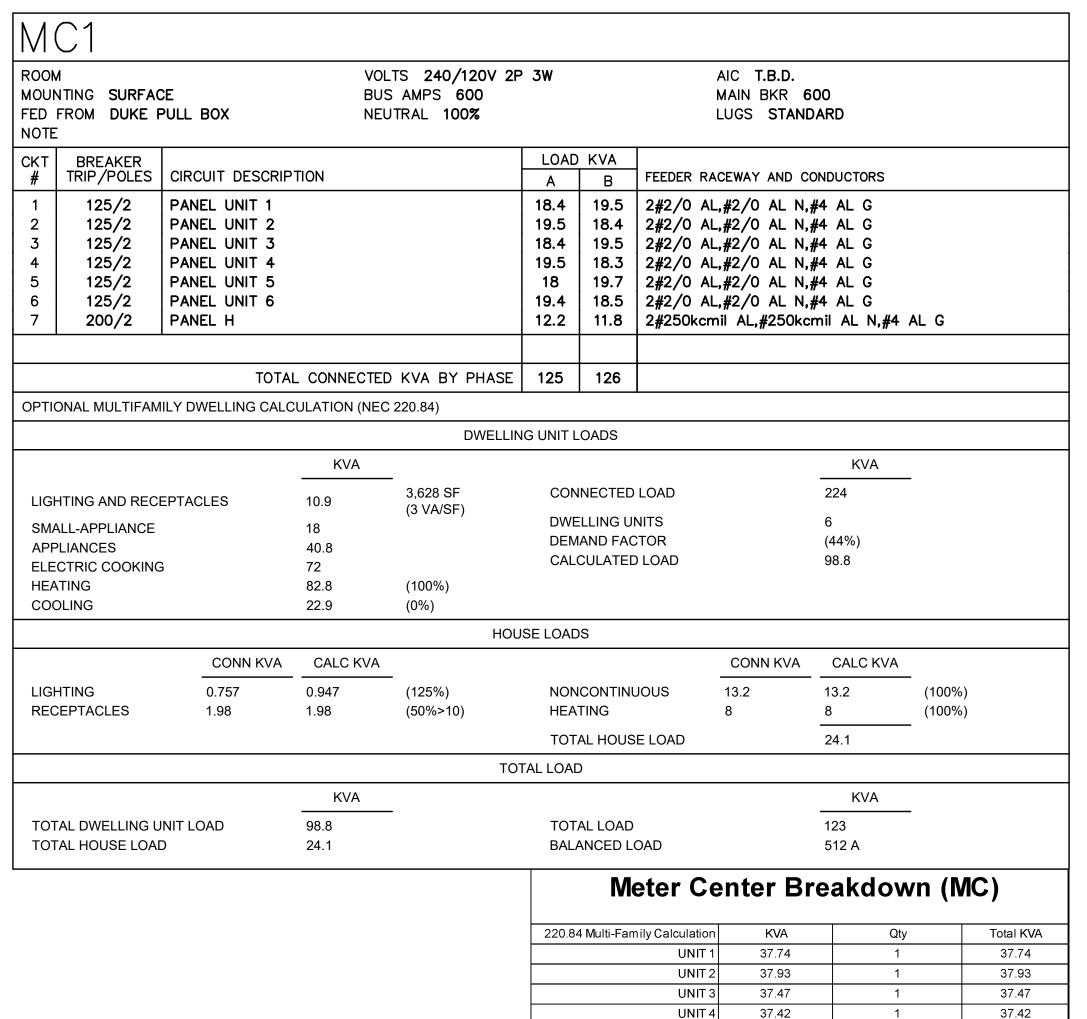
EXISTING LIGHTING TO REMAIN IN ATTIC

ATTIC

1475 SF

301

Z:\~Project Directories\10100 - 10199\10199 - City Gospel Mission - 127-129, 131 & 141 Goethe St. - Cincinnati OH (ARCX)\~Construction Docum THESE DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. CODE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS



37.07

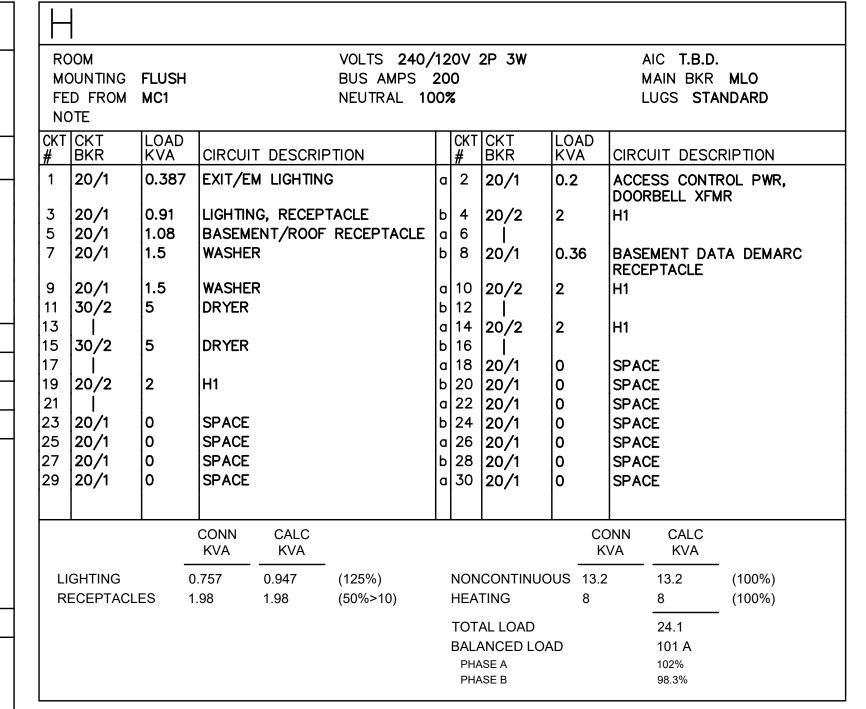
36.86

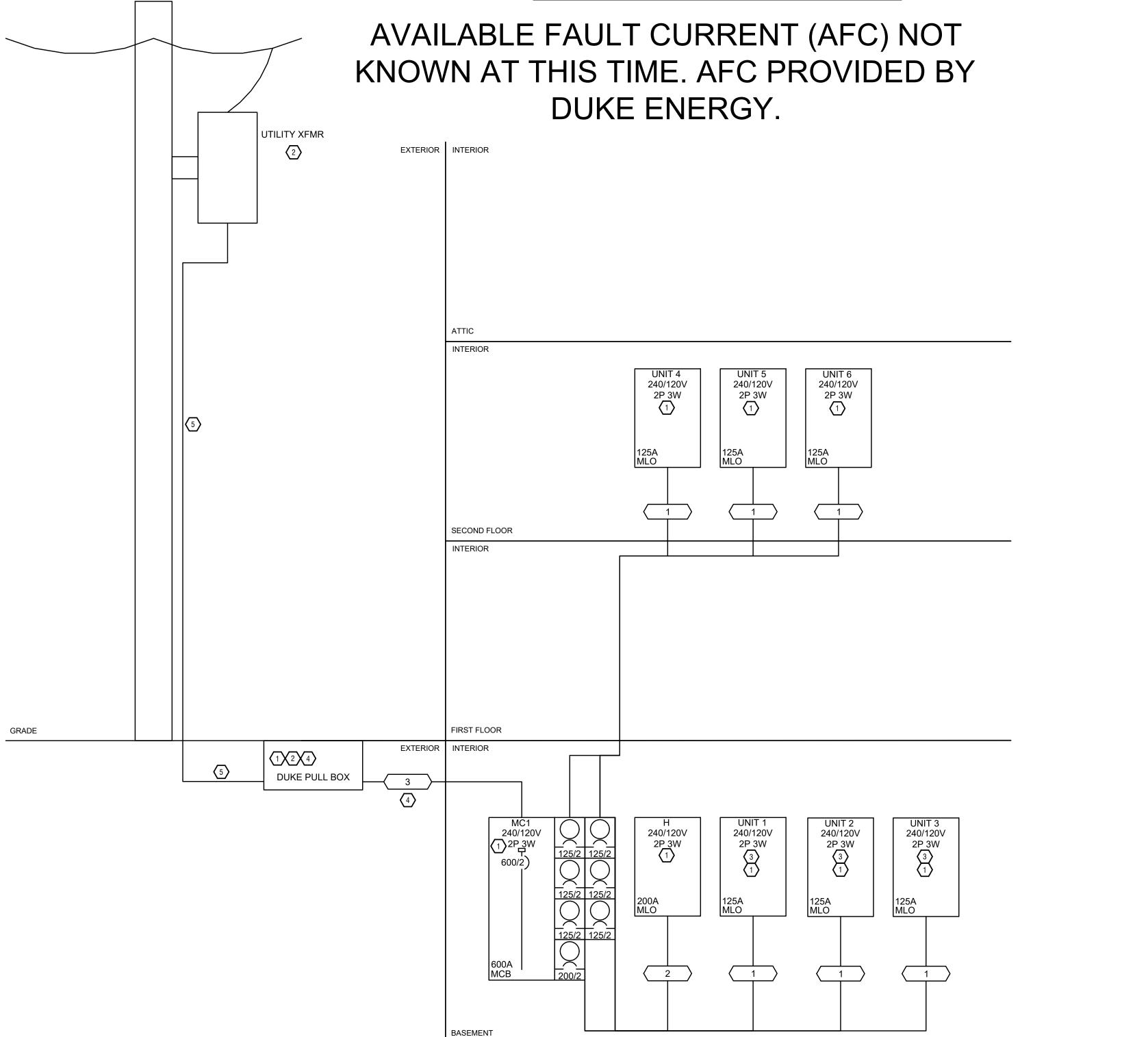
UNIT 6

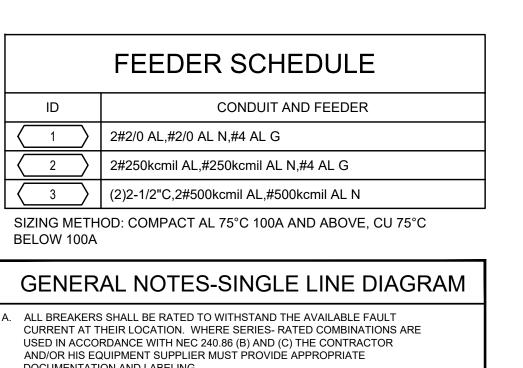
Total Quantity and Connected Load =

37.07

36.86







	GENERAL NOTES-SINGLE LINE DIAGRAM
A.	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.
В.	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.
C.	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
D.	ELECTRICAL CONTRACTOR SHALL NOT ORDER OR PURCHASE ANY MATERIALS OR EQUIPMENT UNTIL PERMIT DRAWINGS HAVE BEEN APPROVED BY AHJ.
E.	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.

#	KEYED SHEET NOTES
1.	NEW EQUIPMENT THIS PROJECT.
2.	COORDINATE UTILITY WORK WITH DUKE ENERGY PRIOR TO CONSTRUCTION. SERVICE TO BE RAN TO UNDERGROUND PULL BOX.
3.	EC TO REPLACE EXISTING 100-AMP APT PANEL WITH NEW 125 AMP PANEL AS SHOWN. PROVIDE NEW WIRING FROM NEW METERCENTER AND BACK FEED ALL EXISTING BRANCH CIRCUITING. FIELD VERIFY BREAKER COUNTS AND REPAIR ALL DAMAGED BRANCH CIRCUIT WIRING AS REQUIRED IN CODE APPROVED WIRING METHODS.

THIS SHEET WHEN PLOTTED AT FULL SIZE MEASURES 30" X 42"

ARCHITECT & INTERIOR DESIGN ARCX STUDIO

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202

CIVIL ENGINEER

MEP ENGINEER

859.261.0585

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071

HTCTC - 127-129 GOETHE RENOVATION

127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION





REVISION DESCRIPTION

PERMIT

SHEET NAME

DETAILS

SHEET NO.

06-27-2023

ELECTRICAL

E3.00

AND ARE INTENDED TO PROVIDE THE AUTHORITIES HAVING IL AGREEMENT THAT MAY EXIST WITH AN OWNER, CONSTRU

2:\~Project Directories\10100 - 10199\10199 - City Gospel Mission - 127-129, 131 & 141 Goethe St. - Cincinnati OH (ARCX)\~Construction Documents\~~~~129 Goethe St\E3.01-ELEC-DETS-127.dwg-EBS. Plot Date/Time: Jun 27, 2023-4:05pm - By \$(++)
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VOLTS 240/120V 2 ROOM MOUNTING FLUSH BUS AMPS 125 FED FROM MC1 NEUTRAL 100% NOTE LOAD KVA CIRCUIT DESCRIPTION * LIGHTING, RECEPTACLE | 3 | 20/1 | 1 | 1 | 5 | 20/1 | 0.2 | 7 | 45/2 | 10 | * LIGHTING, RECEPTACLE * BATH * AHU-A-1.5 11 25/2 * HP-A-1.5 15 20/1 SPACE 17 20/1 SPACE SPACE 21 20/1 23 20/1 25 20/1 27 20/1 SPACE SPACE SPACE SPACE SPACE OPTIONAL DWELLING UNIT CALCULATION (NEC 220.82) CONN KVA LIGHTING AND RECEPTACLES (3 VA/SF) SMALL-APPLIANCE **APPLIANCES** ELECTRIC COOKING TOTAL GENERAL LOAD 3.80 220.82 C(1) 100% of Nameplate Rating of AC and Cooling 100% of Nameplate Rating of Heat Pump w/o Supplmental Heat 0.00 220.82 C(2)

Heat Pump plus 65% of Supplemental Heat 10.3 220.82 C(3)

Largest Heating or Cooling Load 13.80 220.84 C(5)

							APPLIANCE BREAK	KDOWN	
							TYPE	KVA	
							REFRIGERATOR	0.5	
2P 3W			/	AIC T.B.D.			MICROWAVE	1.8	
			N	MAIN BKR	MLO		WATER HEATER	4.5	
				LUGS STA			TOTAL	6.80	
			-						
·lou-	l						1		
CKT BKR	LOA KVA		CIDC	UIT DESC	DIDTION	ı			
						<u> </u>	+		
20/1	1.5		* SM	IALL APPL	LIANCE				
20/1	1.5		* SM	IALL APPL	LIANCE		1		
20/1	0.5		* FR	IG					
20/1	1.8		* MI	CROWAVE			İ		
50/2	12		* RA	NGE			İ		
lí							1		
30/2	4.5		* ED	WH1			1		
				*****			†		
20/1	0		SPAC	`F			†		
		•	SPA(t		
20/1	0	•					•		
20/1	0		SPA(}		
20/1	0	•	SPAC						
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20/1	0		SPAC	Œ					
							1		
		CO	NN	CALC					
		K۷	Ά	KVA					
	, -				-				
IERAL LOAD		40		40	(4000/	`			
JP TO 10 KV		10		10	(100%)			
OVER 10 KV		13.9		5.57	(40%)				
(HEATING (OR			10.3	(220.8)	2(C)(3))			
OOLING						(= /(= //			
AL LOAD				25.9			Multi-Family [Owelling Unit Calc	KVA
ANCED LOA	AD.			108 A				eneral Load	23.94
ANCLD LOA ASE A				97.1%				r Cooling Load 220.84	13.80
ASE B				103%					
							220.84 CONNE	ECTED LOAD CALC	37.74
HVAC Load		ılation			KVA	NEC Code	_		
Hea	ating				13.80		_		
Cod	oling				3.80				
Mini	Split				0.00				
					1000		1		

	<u> </u>	$\overline{\Gamma}$								APPLIANCE BREAK	(DOWN	
l	JNI	Г 2								TYPE	KVA	
$\stackrel{\smile}{=}$	<u> </u>		•							REFRIGERATOR	0.5	
R	OOM			VOLTS 24	0/120V 2P 3W			AIC T.B.D	•	MICROWAVE	1.8	
М	OUNTING	FLUSH		BUS AMPS				MAIN BKR		WATER HEATER	4.5	
	D FROM			NEUTRAL				LUGS STA		TOTAL	6.80	
	OTE			1120 111112			•					
		II O A D	1		I OVE OVE	LOAD				-		
(I	CKT BKR	LOAD KVA	CIRCUIT DESCRI	IPTION	CKT CKT # BKR	LOAD KVA	CIRC	CUIT DESC	PIPTION			
	1	10.47								1		
	20/1	1	* LIGHTING, REC		a 2 20/1	1.5	1	MALL APP				
	20/1	1	* LIGHTING, REC	EPTACLE	b 4 20/1	1.5	•	MALL APP	ILANCE	1		
	20/1	0.2	* BATH		a 6 20/1	0.5	* FR	RIG				
	45/2	10	* AHU-A-1.5		b 8 20/1	1.8	* MI	CROWAVE				
					a 10 50/2	12	* R/	ANGE				
	25/2	3.8	* HP-A-1.5		b 12							
5	lí	İ			a 14 30/2	4.5	* EC	WH1		İ		
;	20/1	0	SPACE		b 16 j							
,	20/1	o	SPACE		a 18 20/1	О	SPA	CF				
)	20/1	o	SPACE		b 20 20/1	ő	SPA					
		1	SPACE		1 1 1 1		SPA					
1	20/1	0	SPACE			0	•					
3	20/1	0			b 24 20/1	0	SPA			-		
5	20/1	0	SPACE		a 26 20/1	0	SPA					
7	20/1	0	SPACE		b 28 20/1	0	SPA					
9	20/1	0	SPACE		a 30 20/1	0	SPA	CE				
_										+		
P	TIONAL D	WELLING	UNIT CALCULATION	I (NEC 220.82)								
			CONN				CONN	CALC				
			KVA	_			KVA	KVA	_			
L	IGHTING A	AND		776 SF	GENERAL L	OAD						
	RECEPTA		2.33	(3 VA/SF)	UP TO 10			10	(100%)			
	MALL-APP		3	, ,	OVER 10			5.65	(40%)			
	PPLIANCE		6.8		MAX HEATIN				(4070)			
	LECTRIC (COOLING	NO OR		10.3	(220.82(C)(3))			
-				_	COCLINO				_			
	OTAL GEN	NERAL LO	AD 24.1		TOTAL LOAI)		26		Multi-Family [Owelling Unit Calc	K۱
T					BALANCED	LOAD		108 A			eneral Load	24.
Т								07.40/				
Т					PHASE A			97.1%		Largest Heating o	r Cooling Load 220 84	13
Т					PHASE A PHASE B			97.1% 103%			r Cooling Load 220.84 ECTED LOAD CALC	13. 37.

HVAC Load Calculation	KVA	NEC Code
Heating	13.80	
Cooling	3.80	
Mini Split	0.00	
100% of Nameplate Rating of AC and Cooling	3.80	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	10.30	220.82 C(3)
Largest Heating or Cooling Load	13.80	220.84 C(5)

ROOM WOLTS 240/120V 2P 3W AIC T.B.D. MAIN BIR MLO LUGS STANDARD LUGS STANDARD LUGS STAN	UNIT 3						APPLIANCE BREAKDOWN TYPE KVA REFRIGERATOR 0.5	
CKT CKT CKT KVA	MOUNTING FLUSH FED FROM MC1	BUS AMPS	125		MAIN BKR	MLO	MICROWAVE 1.8 WATER HEATER 4.5	
1 20/1 1 * LIGHTING, RECEPTACLE 0 2 20/1 1.5 * SMALL APPIANCE 5 20/1 0.2 * BATH 0.2 * BATH	KT CKT LOAD	CIRCUIT DESCRIPTION	CKT CKT	LOAD CIRC	CUIT DESC	RIPTION	-	
CONN KVA KVA	1 20/1 1 3 25/1 1 5 20/1 0.2 7 45/2 10 9 1 25/2 3.8 3 5 5 20/1 0 7 20/1 0 9 20/1 0 21 20/1 0 23 20/1 0 25 20/1 0 27 20/1 0	* LIGHTING, RECEPTACLE * LIGHTING, RECEPTACLE * BATH * AHU-A-1.5 * HP-A-1.5 SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	a 2 20/1 b 4 20/1 a 6 20/1 b 8 20/1 a 10 50/2 b 12 a 14 30/2 b 16 a 18 20/1 b 20 20/1 a 22 20/1 b 24 20/1 b 28 20/1	1.5 * SI 1.5 * SI 0.5 * FI 1.8 * M 12 * R 4.5 * EI 0 SPA 0 SPA 0 SPA 0 SPA 0 SPA 0 SPA	MALL APPI MALL APPI RIG ICROWAVE ANGE DWH1 CE CE CE CE CE CE	ANCE		
	LIGHTING AND RECEPTACLES SMALL-APPLIANCE	CONN KVA 1.87 623 SF (3 VA/SF) 3 6.8	UP TO 10 KV OVER 10 KV MAX HEATING O	KVA A 10 A 13.7	10 5.47	(40%)		

HVAC Load Calculation	KVA	NEC Code
Heating	13.80	
Cooling	3.80	
Mini Split	0.00	
100% of Nameplate Rating of AC and Cooling	3.80	220.82 C(1)
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Heat Pump plus 65% of Supplemental Heat	10.30	220.82 C(3)
Largest Heating or Cooling Load	13.80	220.84 C(5)

ARCHITECT & INTERIOR DESIGN

ARCX STUDIO FIRM.18314012

1616 VINE STREET, CINCINNATI, OH 45202 **CIVIL ENGINEER**

STRUCTURAL ENGINEER

MEP ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206 513.396.8900

ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585

HTCTC - 127-129 GOETHE

RENOVATION 127-129 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION





△ DESCRIPTION

REVISION

ISSUED FOR

PERMIT 06-27-2023 SHEET NAME **ELECTRICAL DETAILS** SHEET NO.

TO SAC

ELECTRICAL SPECIFICATIONS 1. GENERAL DEMOLITION

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

2. USE OF DRAWINGS AND SPECIFICATIONS

a. EBS DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY DESIGN INTENT ONLY. ALL MEANS AND METHODS SEQUENCES. TECHNIQUES. AND PROCEDURES OF CONSTRUCTION AS WELL AS ANY ASSOCIATED SAFETY PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL AND TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT, AND TO PROVIDE A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. 3. STANDARDS

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

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.

WARRANTY

a. THE ELECTRICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE, AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP. 7. SITE EXAMINATION

a. THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS OF WORK WHERE EQUIPMENT WILL BE INSTALLED AND SHALL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE FLECTRICAL WORK PRIOR TO BID. HE SHALL ALSO EXAMINE THE DRAWINGS AND SPECIFICATIONS OF OTHER BRANCHES OF WORK MAKING REFERENCE TO THEM FOR DETAILS OF NEW OR EXISTING BUILDING CONDITIONS.

b. ALL WORK SHALL BE DONE AT TIMES CONVENIENT TO THE OWNER AND ONLY DURING NORMAL WORKING HOURS, UNLESS SPECIFIED OTHERWISE.

c. ELECTRICAL CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AND BE RESPONSIBLE FOR THEM.

d. ACCESS PANELS ARE NOT SHOWN ON DRAWINGS. DURING SITE EXAMINATION, CONTRACTOR SHALL IDENTIFY ALL AREAS WHERE ACCESS PANELS ARE REQUIRED. AND REPORT TO GENERAL CONTRACTOR. DESIGNATION OF WHO FURNISHES AND WHO INSTALLS ACCESS PANELS MUST BE COORDINATED WITH GENERAL CONTRACTOR PRIOR TO STARTING WORK.

8. CONTRACTOR COORDINATION

a 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

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

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. 10. 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.

11. RECORD DRAWING a. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING RECORD DRAWINGS WHERE REQUIRED. DRAWINGS SHALL BE

PRODUCED IN AUTOCAD 2004 FORMAT OR LATER. 12. SHOP DRAWINGS

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

EQUIPMENT AND MATERIALS SHALL BE REVIEWED & APPROVED BY THE ELECTRICAL CONTRACTOR & GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT FOR THEIR REVIEW & APPROVAL. c. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE ELECTRICAL

CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS & APPLICABLE CODES. a. ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION.

BALANCE ALL BRANCH CIRCUIT LOADS BETWEEN THE PHASES OF THE

SYSTEM TO WITHIN 10% OF THE HIGHEST PHASE LOAD IN EACH PANELBOARD. 14. TEMPORARY POWER a. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL WIRING FOR CONSTRUCTION. THE TEMPORARY SERVICE

SHALL BE A MINIMUM OF 60 AMPS, SINGLE PHASE, THREE WIRE, 120/208 VOLTS FUSED AT MAIN DISCONNECT. ALL RECEPTACLES ON THIS TEMPORARY SERVICE SHALL BE PROTECTED BY A GFI BREAKER. 15. MECHANICAL EQUIPMENT

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 NOTED.

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

18. GROUNDING AND BONDING

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

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 BY THE OWNER.

b. ELECTRICAL CONTRACTOR SHALL NOT ORDER OR PURCHASE ANY MATERIALS OR EQUIPMENT UNTIL PERMIT DRAWINGS HAVE BEEN APPROVED. NO ALLOWANCES WILL BE MADE FOR ANY CHANGES THAT OCCUR IF PERMIT DRAWINGS HAVE NOT BEEN APPROVED PRIOR TO 20. CUTTING AND FITTING

a. PERFORM CUTTING, CORING, FITTING, REPAIRING AND FINISHING OF THE WORK NECESSARY FOR THE INSTALLATION OF THE EQUIPMENT OF THIS SECTION. HOWEVER, NO CUTTING OF THE WORK OF OTHER TRADES OR OF ANY STRUCTURAL MEMBER SHALL BE DONE WITHOUT THE CONSENT OF THE OWNER. PROPERLY FILL, SEAL, FIREPROOF, AND WATERPROOF ALL OPENINGS, SLEEVES, AND HOLES IN SLABS, WALLS, AND CASEWORK.

21. WIRING METHODS a PROVIDE CODE APPROVED WIRING METHODS FOR BRANCH CIRCUITING INDOORS, SUCH AS NM CABLE (ONLY WHERE PERMITTED BY NEC 334),

EMT CONDUIT, OR MC CABLE FOR MECHANICAL EQUIPMENT, LIGHTING, AND POWER. b. CONDUIT RUNS ON EXTERIOR OF BUILDING SHALL BE RIGID STEEL CONDUIT WITH WEATHER TIGHT, CORROSION-RESISTANT FITTINGS.

SCHEDULE 40 PVC IS ACCEPTABLE WHERE PERMITTED BY CODE AND

OR UNDERGROUND RUNS OR CONCRETE ENCASEMENT WHERE NOT EXPOSED TO PHYSICAL DAMAGE. c. THE MINIMUM SIZE OF CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED. CONDUIT CONNECTORS SHALL BE DOUBLE LOCKNUT TYPE, UL

LISTED AND LABELED, WITH COMPRESSION OR SET SCREW FITTINGS. d. RIGID CONDUIT SHALL BE HOT DIPPED GALVANIZED. e. WHERE RACEWAYS ARE INSTALLED FOR OTHERS TO USE, OR FOR

FUTURE USE, PROVIDE NYLON PULL STRING. f. PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE SEALED USING 3M FIRE BARRIER CAULK, NELSON ELECTRIC FLAMESEAL OR T&B FLAMESAFE OR OTHER APPROVED METHOD.

a. BRANCH CONDUCTORS SHALL BE COPPER. FEEDERS AS INDICATED ON RISER DIAGRAM. CONDUCTORS SHALL BE INSULATED FOR 600V NUMBER 12 AWG MINIMUM. PROVIDE WIRES AND CABLES AS INDICATED LISTED AND SUITABLE FOR TEMPERATURE, CONDITIONS, AND LOCATION WHERE INSTALLED.

23. MOTORS AND OTHER WIRING

2. CONDUCTORS AND TERMINATIONS

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.

a. HUBBELL, LEVITON, OR APPROVED EQUAL WITH MATCHING COVERPLATES.

b. PROVIDE SPECIFICATION GRADE WIRING DEVICES. IN TYPES. CHARACTERISTICS, GRADES, COLORS, AND ELECTRICAL RATINGS FOR APPLICATIONS INDICATED. WHICH ARE UL-LISTED AND WHICH COMPLY WITH NEMA WD1 AND OTHER APPLICABLE UL AND NEMA STANDARDS. VERIFY COLOR SELECTIONS WITH ARCHITECT. PROVIDE DEVICE PLATES TO MATCH DEVICE COLORS. c PROVIDE GFCI PROTECTION FOR ALL KITCHEN 15 AND 20-AMP

RECEPTACLES. WHERE THE RECEPTACLE IS RENDERED INACCESSIBLE BY EQUIPMENT PROVIDE GFCI PROTECTION AT THE CIRCUIT BREAKER. 25. SERVICE ENTRANCE AND DISTRIBUTION EQUIPMENT

a. ELECTRICAL CONTRACTOR MUST SUBMIT DRAWINGS FOR PERMIT AND RECEIVE APPROVAL PRIOR TO ORDERING EQUIPMENT. NO ALLOWANCES WILL BE MADE FOR EQUIPMENT CHANGES THAT OCCUR PRIOR TO RECEIPT OF APPROVED PLANS.

26. DISCONNECTS AND FUSED SWITCHES

27. NAMEPLATES

a. HEAVY DUTY TYPE, HORSEPOWER RATED WITH INTERLOCKING COVER. NEMA 1 TYPICAL. OUTDOOR AND WET LOCATION SWITCHES SHALL BE RAINTIGHT TYPE NEMA 3RR. ALL SWITCHES SHALL BE LOCKABLE. FUSES IN CIRCUITS RATED AT 600 AMPERES OR LESS SHALL BE UL CLASS RK1 DUAL-ELEMENT, TIME-DELAY, CURRENT LIMITING FUSES. FUSES IN CIRCUITS RATED AT 601 AMPERES OR LARGER SHALL BE UL CLASS L TIME-DELAY, CURRENT LIMITING FUSES.

a. PROVIDE PERMANENT NAMEPLATE LABELING ON ALL DISCONNECTS. INCLUDE LOAD SERVED, VOLTAGE, PHASE, HORSEPOWER, FUSE SIZE, AND TYPE. 28. MOUNTING

a. MOUNT INDEPENDENT OF THE MECHANICAL UNIT HOUSING UNLESS SPECIFICALLY ACCEPTED BY THE LOCAL CODE AUTHORITY. PROVIDE UNISTRUT SUPPORT CHANNELS MOUNTED IN COORDINATION WITH ROOF PENETRATION AND PATCHING WORK. COORDINATE WITH GENERAL CONTRACTOR.

29. GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS AND EQUIPMENT a. PROVIDE GROUNDING AND BONDING FOR ELECTRICAL SERVICE IN

ACCORDANCE WITH NEC ARTICLE 250. b. ALL MAJOR PARTS NOT CARRYING CURRENT, INCLUDING BUT NOT LIMITED TO, SECONDARY FEEDER CIRCUIT, EQUIPMENT AND PANELBOARD ENCLOSURES, PULL AND JUNCTION BOXES, SHALL BE PROPERLY GROUNDED. METALLIC RACEWAYS SHALL UTILIZE DOUBLE

LOCKNUTS AND OTHER FITTINGS AS REQUIRED TO PROVIDE GROUND

a. PROVIDE METER CENTERS(S) AS SHOWN ON THE DRAWINGS AND AS

CONTINUITY. 30. LIGHTING CONTACTORS a. PROVIDE LIGHTING CONTACTORS AS INDICATED ON DRAWINGS. 30A,

12-POLE LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE. 31. MULTI-TENANT METER CENTERS

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 513.396.8900 FAULT CURRENT.

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. 33. RESIDENTIAL LOAD CENTERS

34. LIGHTING

35. TELEPHONE SYSTEM

32. PANELBOARDS

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.

a. PROVIDE A NEW LIGHTING SYSTEM COMPLETE AND FULLY OPERATIONAL AND IN CONFORMANCE WITH CODE AND UL LISTING REQUIREMENTS. CLEAN ALL FIXTURES AT TIME OF JOB COMPLETION UTILIZING MANUFACTURERS APPROVED OR RECOMMENDED CLEANING SOLUTIONS. ALL FIXTURES AND LAMPS ARE PROVIDED BY THIS CONTRACTOR AS SCHEDULED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL FURNISH ALL BOXES, MOUNTING KITS, TRANSFORMERS, CONTROLLERS, AND OTHER COMPONENTS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.

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

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. 36. 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.

37. DATA/POS/A-V/SYSTEM NOTES 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 LOCATION TO ABOVE ACCESSIBLE CEILING.

38. 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.

ARCHITECT & INTERIOR DESIGN ARCX STUDIO

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

CIVIL ENGINEER

STRUCTURAL ENGINEER

ADVANTAGE GROUP ENGINEERS, INC.

1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206

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127-129 GOETHE ST CINCINNATI, 45202

RENOVATION

ARCX STUDIO PROJECT NUMBER

CITY GOSPEL MISSION







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ISSUED FOR

SHEET NO.

06-27-2023 SHEET NAME **ELECTRICAL DETAILS**