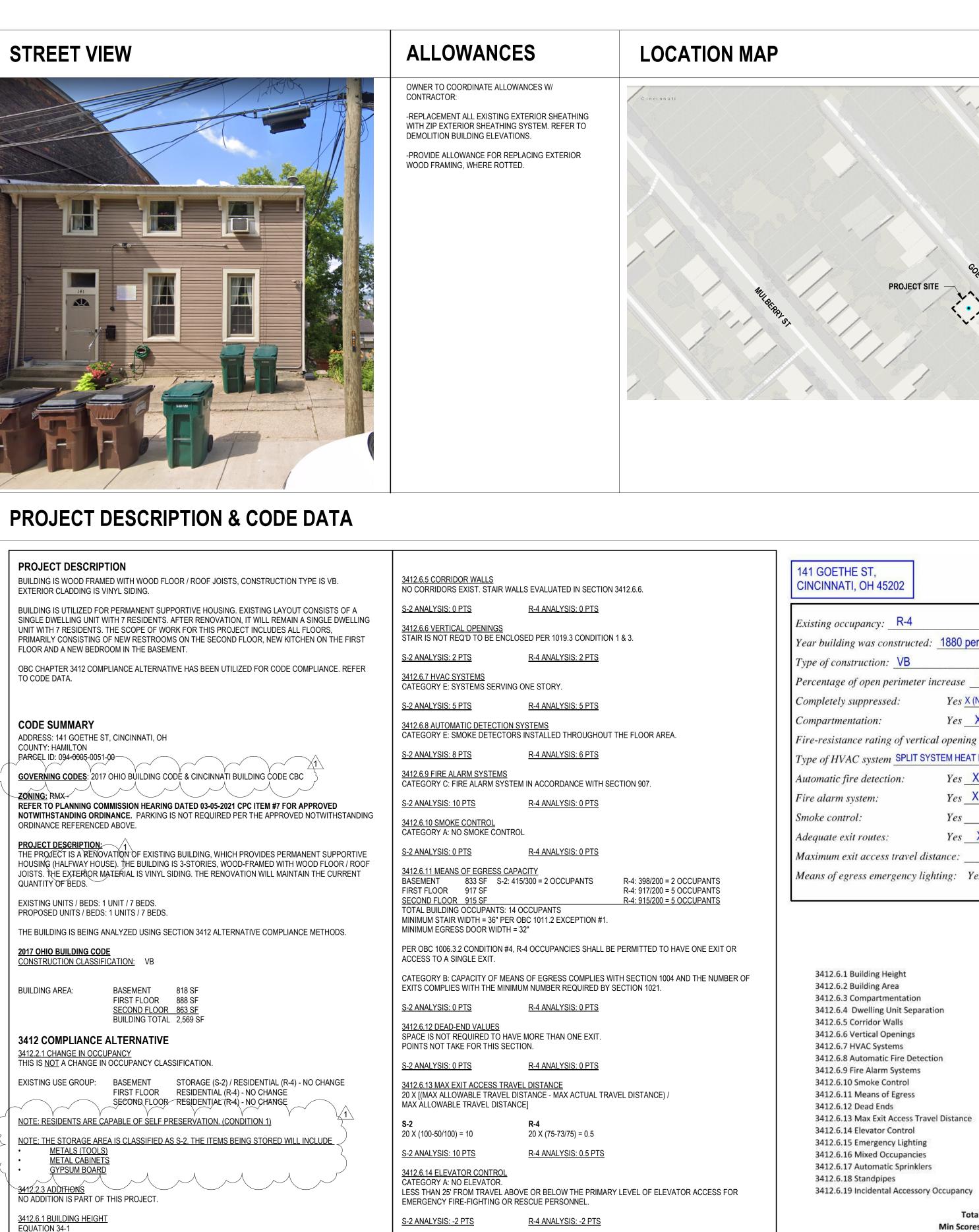


HTCTC - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202



3412.6.15 MEANS OF EGRESS EMERGENCY LIGHTING VALUES

ACCORDANCE WITH CHAPTER 27.

3412.6.16 MIXED OCCUPANCIES

3412.6.17 AUTOMATIC SPRINKLERS

THROUGHOUT IN ACCORDANCE WITH CHAPTER 9.

NONE, LAUNDRY ROOM IS LESS THAN 100 SF.

NFPA13D REQ'D FOR R-4 OCCUPANCY PER 420.5 & 903.2.8.2.

3412.6.19 INCIDENTAL ACCESSORY OCCUPANCY AREA VALUES

S-2 ANALYSIS: 0 PTS

S-2 ANALYSIS: 12 PTS

3412.6.18 STANDPIPE

S-2 ANALYSIS: 0 PTS

<u>S-2 ANALYSIS: 0 PTS</u>

S-2 ANALYSIS: 0 PTS

CATEGORY B: MEANS OF EGRESS LIGHTING AND EXIT SIGNS PROVIDED WITH EMERGENCY POWER IN

R-4 ANALYSIS: 0 PTS

R-4 ANALYSIS: 0 PTS

CATEGORY F: SPRINKLERS ARE NOT REQUIRED THROUGHOUT; SPRINKLERS ARE PROVIDED

<u>R-4 ANALYSIS: 6 PTS</u>

<u>R-4 ANALYSIS: 0 PTS</u>

<u>R-4 ANALYSIS: 0 PTS</u>

CATEGORY B STANDPIPES ARE NOT REQUIRED; STANDPIPES ARE NOT PROVIDED.

CATEGORY B: 2 HOUR SEPARATION BETWEEN OCCUPANCIES IN ACCORDANCE WITH SECTION 508.4

(AS - EBS) X CF (2-3) X 7 = -7 <u>R-4 ANALYSIS: -7 PT</u>

R-4

11.25 X 0.97 = 10.9

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

[(40-29)/12.5] X 1 = 0.88

R-4 7,000/1200 [1-(398/7,000)] 13,500/1200 [1-(415/13,500)] 5.8 X 0.94 = 5.4 7,000/1200 [1-(917/7,000)] 5.8 X 0.94 = 5 S-2 ANALYSIS: 10.9 PTS R-4 ANALYSIS: 5 PTS

2-HR SEPARATION PROVIDED AT STORAGE ROOM IN BASEMENT CEILING FOR COMPARTMENTATION

R-4 ANALYSIS: 22 PTS

R-4 ANALYSIS: 0 PTS

SHEET NUMBER	SHEET NAME	CURRENT REVISION	CURRENT REVISION DATE
0.00	COVER SHEET	1	10-19-2023
0.20	LIFE SAFETY PLANS	1	10-19-2023
0.40	ARCHITECTURAL SPECIFICATIONS		
0.41	ARCHITECTURAL SPECIFICATIONS		
0.42	ARCHITECTURAL SPECIFICATIONS		
0.50	ULDETAILS		
0.51	UL DETAILS		
-01	OVERALL SITE PLAN		
001	GENERAL STRUCTURAL NOTES		
5110	FOUNDATION PLAN		
5120	FRAMING PLAN		
1.11	DEMOLITION PLANS		
1.21	DEMOLITION REFLECTED CEILING PLANS		
.1.31	DEMOLITION BUILDING ELEVATIONS		
2.01	FLOOR PLANS	1	10-19-2023
2.02	FLOOR PLANS		
2.20	INTERIOR ELEVATIONS		
3.01	REFLECTED CEILING PLANS	1	10-19-2023
3.02	CEILING DETAILS		
4.10	BUILDING ELEVATIONS		
5.00	WALL SECTIONS & DETAILS		
6.10	DOORS, WINDOWS, PARTITIONS	1	10-19-2023
8.00	INTERIOR FINISHES PLAN		
11.00	MECHANICAL FLOOR PLANS		
11.01	MECHANICAL FLOOR PLANS		
12.00	MECHANICAL DETAILS		
1.00	PLUMBING FLOOR PLANS		
2.00	PLUMBING DETAILS		
P1.00	FIRE PROTECTION FLOOR PLANS		
P1.01	FIRE PROTECTION FLOOR PLANS		
1.00	ELECTRICAL POWER FLOOR PLANS		
1.01	ELECTRICAL POWER FLOOR PLANS		
2.00	ELECTRICAL LIGHTING FLOOR PLANS		
2.01	ELECTRICAL LIGHTING FLOOR PLANS		
3.00	ELECTRICAL DETAILS		
3.01	ELECTRICAL DETAILS		

ARCHITECTURAL SHEET INDEX

TABLE 3412.7 SUMMARY SHEET-BUILDING CODE

	Proposed occupancy:R-4	1	
er auditor	Number of stories: 3		
	Area per floor: REFER T	TO CODE SUMMA	ARY
0 %			
(NFPA13D) No	Corridor wall rating: <u>N/A</u>		
X No	Required door closers:	Yes X	No
g enclosures: N/A	57	Maria	1.05 ba
T PUMP	, serving number of fl	oors: ONE FLOOR E	ACH SYSTEM
XNo	Type and location: SMOKE	E DETECTORS INSTAL	LLED THROUGHOUT
X	Type: F.A. IN ACCORDANCE	W/ 907 (907.2.10.1-90	7.2.10.3)
No X	Type:		2
XNo	Dead ends: N/A	Yes	No
73'	Elevator controls:	Yes	No X
es X No	Mixed occupancies:	Yes X	No

2/	Fire Safet	v	Means of E	gress	General Sa	fety	
Ĵ.	S-2	R-4	S-2	R-4	S-2	R-4	
	-7	-7	-7	-7	-7	-7	Refer calcs.
	10.9	5	10.9	5	10.9	5	Refer calcs.
	20	22	20	22	20	22	Compartmentalize the basement - 2-hr
6	0	0	0	0	0	0	Category C: Building is one dwelling unit, no separation req'd.
	0	0	0	0	0	0	N/A
	2	2	2	2	2	2	Stair complies w/ 1019.3 Condition 1 & 3.
	5	5	5	5	5	5	Category e. HVAC serves one floor.
1	8	6	8	6	8	6	Category e. Smoke detectors installed throughout.
	10	0	10	0	10	0	Category C FA in accordance w/ 907. Refer 907.2.10.1-907.2.10
	12	10	0	0	0		Category a. None
			0	0	0		Category b. Egress complies with 1004 and 1021.
	12	32	0	0	0		N/A
Distance	100		10	0.5	10		Refer to plans.
10/2110-00010-0	-2	-2	-2	-2	-2		Category a. No elevator.
	122		1	1	1		Category a. In accordance w/ Chapter 27
	0	0			0		Category b. In accordance w/ 508.4.
	12	6	6	3	12		Category f. Sprinkler reg'd and provided.
	0	0	lor	1 o	0		Category b. Standpipe not reg'd, not provided.
cupancy	0	о	0		o		N/A
Total	58.9	37	63.9	35.5	69.9	38.5	
1in Scores	23	17	33	34	33	34	
Overage	35.9	20	30.9	1.5	36.9	4.5	

UNIFORM (PSF) EXISTING STRUCTURE IS ADEQUATE FOR MINIMUM LIVE LOAD REQUIREMENTS

1607.1 LIVE LOAD REQUIREMENTS

RESIDENTIAL SLEEPING AREAS

ATTICS WITHOUT STORAGE

RESIDENTIAL - ALL OTHER AREAS



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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION



REVISION

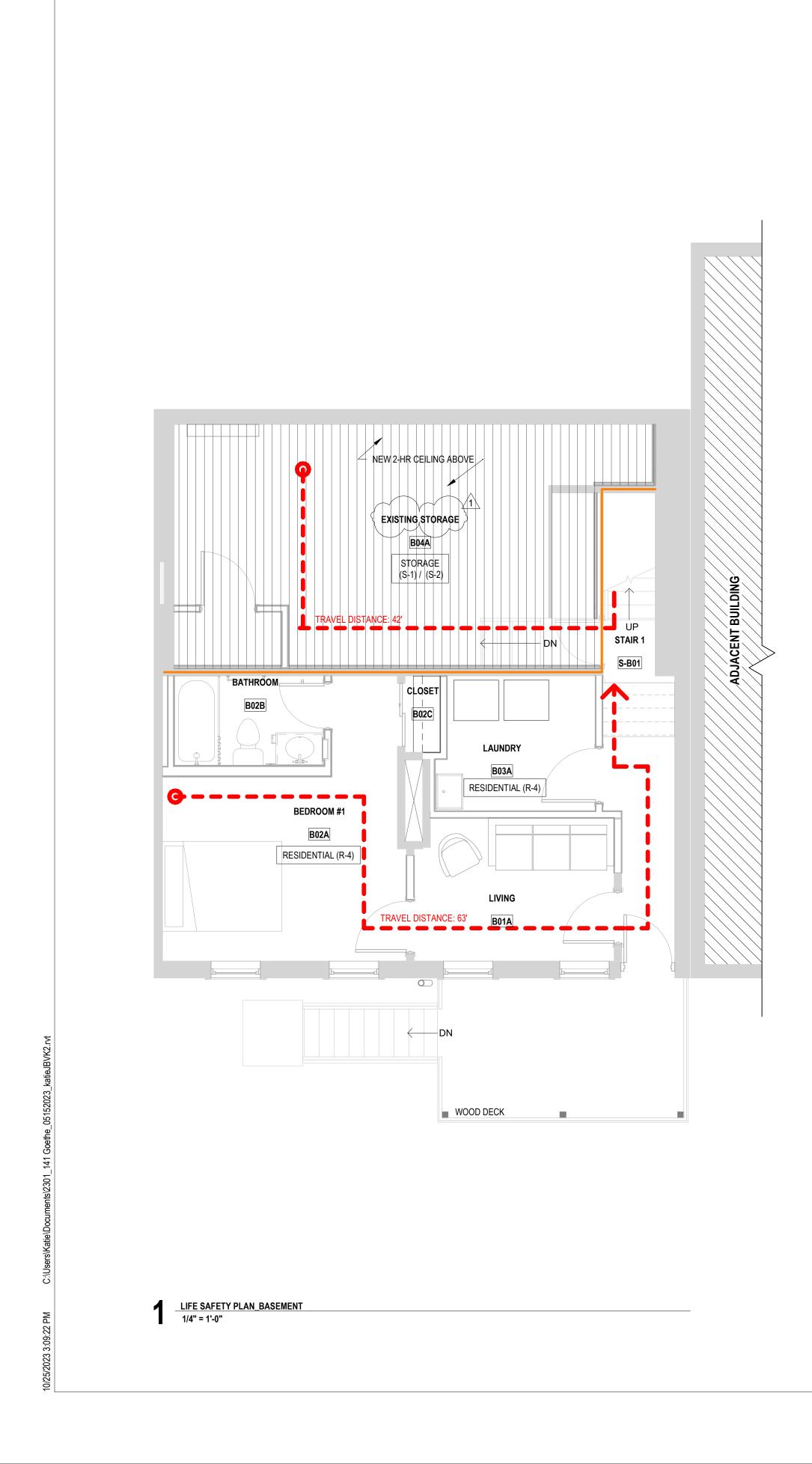
Δ	DESCRIPTION	DATE
		10 10 0000
1	PERMIT COMMENTS	10-19-2023

ISSUED FOR

PERMIT 06-27-2023 SHEET NAME **COVER SHEET**







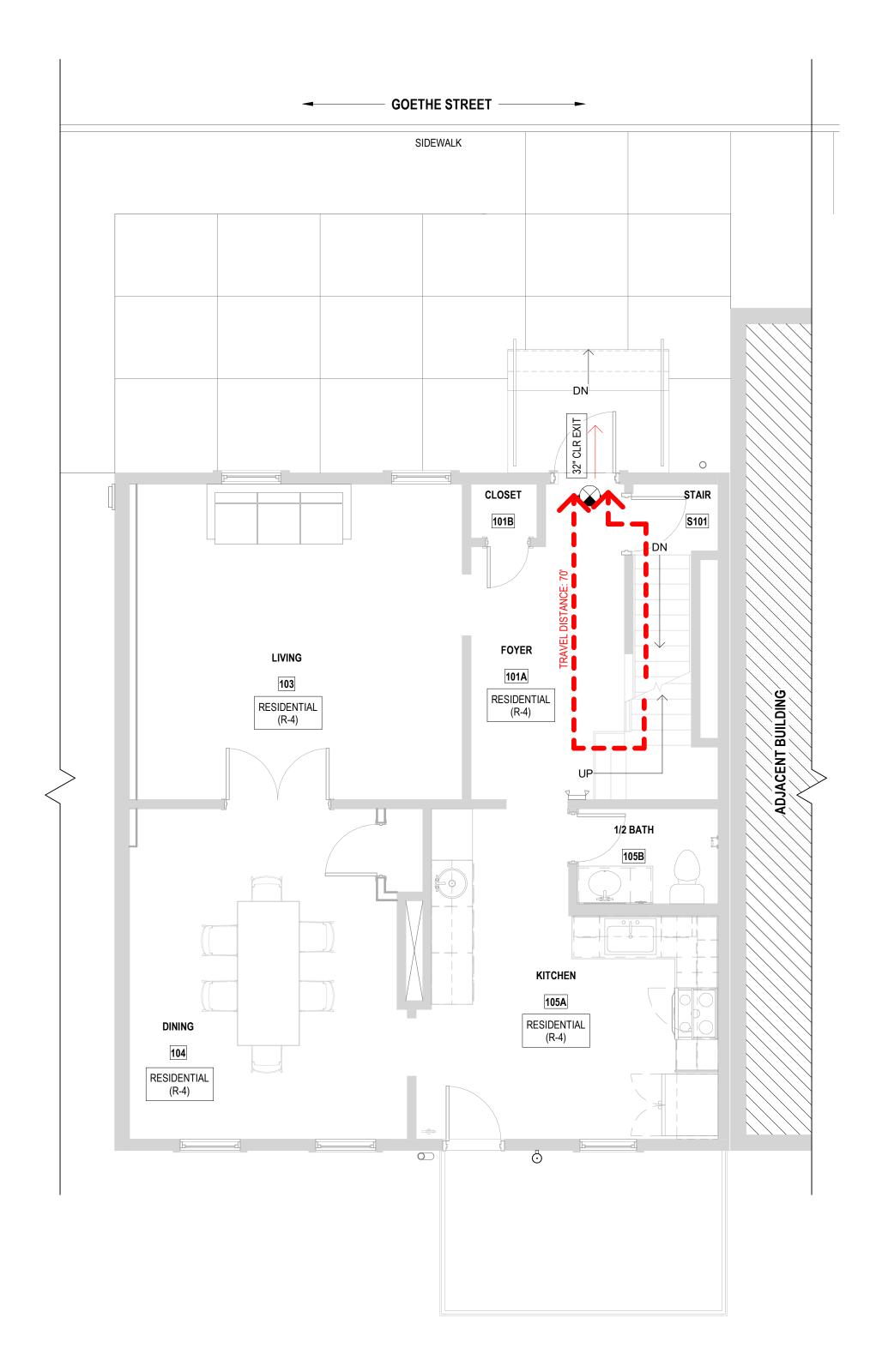
GENERAL LIFE SAFETY NOTES 1. CONTRACTOR TO PROVIDE "FDC" SIGN AT FIRE DEPT CONNECTION TO COMPLY WITH LOCAL

REQUIREMENTS.

2. CONTRACTOR TO PROVIDE FIRE DEPARTMENT KNOX BOX AND KEYS WHERE NOTED ON PLANS OR AS REQUIRED BY FIRE DEPARTMENT. COORDINATE WITH OWNER. 3. 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.





		LIFE SAFE	TY PLAN LEGEND	
	IE AND AREA (HALF TONE TES AN EXISTING ROOM)	ROOM NAME 150 SF	TRAVEL DISTANCE FROM THE MOST REMOTE POINT TO THE CLOSEST EXIT	⊙→
EXIS	STING FIRE DEPARTMENT CONNECTION	E-FDC	E-FDC ⊢ BUSINESS OCCUPANCY	NO HATCH
	- RECESSED FIRE DEPART CABINET STING FIRE EXTINGUISHER	E-FEC	STORAGE	
Exile	CABINET FIRE EXTINGUISHER	FE	EXIT SYMBOL	\otimes
EXIS	TING FIRE EXTINGUISHER	E-FE	EXIT SIGN - HATCH INDICATES DIRECTION SIGN IS FACING. ARROWS DESIGNATE DIRECTION	10
FXI	FIRE PULL STATION	FP ∎ E-FP ∎	OF EGRESS PATH. (NO ARROWS INDICATE PATH IS STRAIGHT AHEAD)	
	1 HR FIRE BARRIER		•	
11	HR FIRE / SMOKE BARRIER		•	
	2 HR FIRE BARRIER		•	
	HR FIRE / SMOKE BARRIER			
	E PARTITION (NON RATED)		•	

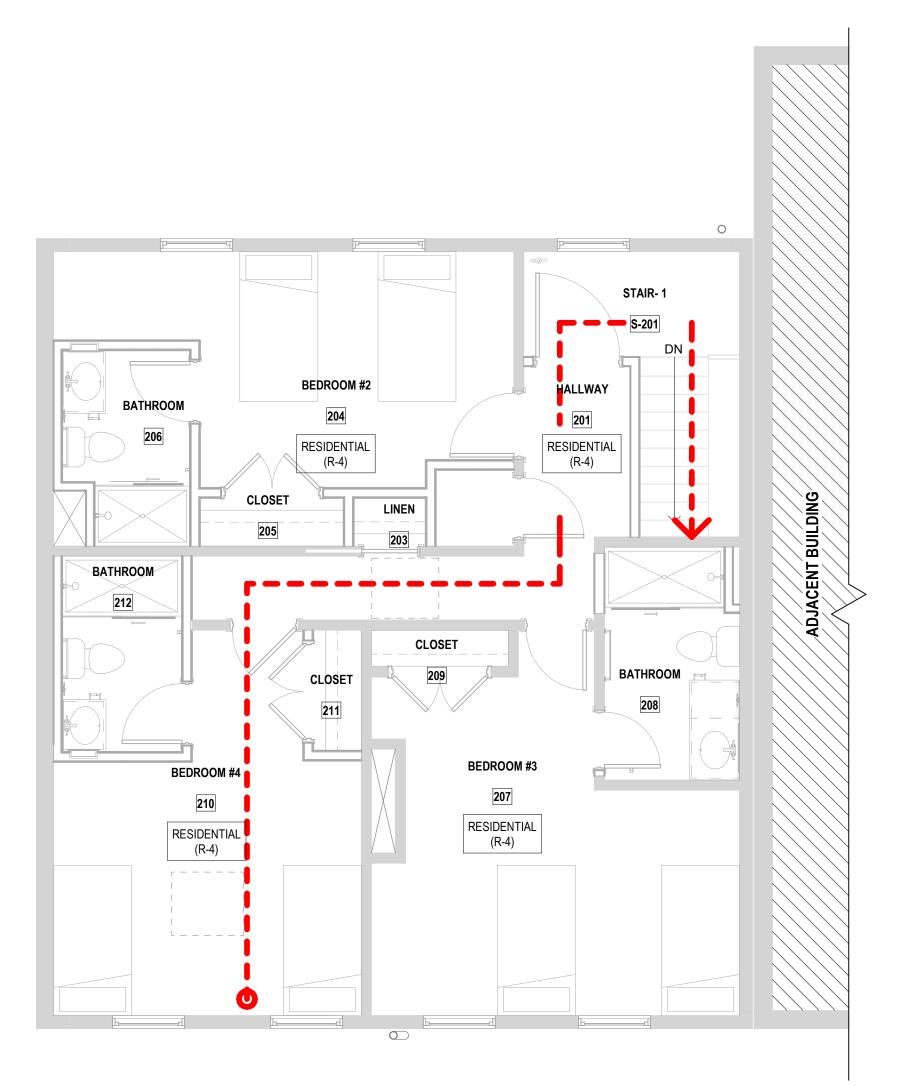
			FLR AREA PER		OCCUPAN
NO.	NAME	USE	OCCUPANT	AREA	LOAD
B01A	LIVING	RESIDENTIAL	200	87 SF	0.4
B02A	BEDROOM #1	RESIDENTIAL	200	158 SF	0.8
B02B	BATHROOM	RESIDENTIAL	200	42 SF	0.2
B02C	CLOSET	STORAGE	300	8 SF	0.0
B03A	LAUNDRY	RESIDENTIAL	200	64 SF	0.3
B04A	EXISTING STORAGE	STORAGE	300	302 SF	1.0
B05A	MECH			18 SF	
CB01	CORRIDOR	RESIDENTIAL	200	41 SF	0.2
S-B01	STAIR 1	RESIDENTIAL	200	43 SF	0.2
BASEMENT					3.2
101A	FOYER	RESIDENTIAL	200	98 SF	0.5
101B	CLOSET	STORAGE	300	8 SF	0.0
103	LIVING	RESIDENTIAL	200	244 SF	1.2
104	DINING	RESIDENTIAL	200	208 SF	1.0
104A	MECH. RM	STORAGE	300	7 SF	0.0
105A	KITCHEN	RESIDENTIAL	200	192 SF	1.0
105B	1/2 BATH	RESIDENTIAL	200	32 SF	0.2
S101	STAIR	RESIDENTIAL	200	57 SF	0.3
LEVEL1					4.2
201	HALLWAY	RESIDENTIAL	200	79 SF	0.4
202	MECH	STORAGE	300	10 SF	0.0
203	LINEN	STORAGE	300	6 SF	0.0
204	BEDROOM #2	RESIDENTIAL	200	147 SF	0.7
205	CLOSET	STORAGE	300	12 SF	0.0
206	BATHROOM	RESIDENTIAL	200	40 SF	0.2
207	BEDROOM #3	RESIDENTIAL	200	187 SF	0.9
208	BATHROOM	RESIDENTIAL	200	53 SF	0.3
209	CLOSET	STORAGE	300	9 SF	0.0
210	BEDROOM #4	RESIDENTIAL	200	161 SF	0.8
211	CLOSET	STORAGE	300	10 SF	0.0
	BATHROOM	RESIDENTIAL	200	41 SF	0.2
212		INLOIDLINHAL	200	14101	0.2

TOTAL OCCUPANT LOAD

11.5 EXIT SUMMARY: FIRST FLOOR: 32"

TOTAL:

CAPACITY



3 <u>LIFE SAFETY PLAN_LEVEL 2</u> 1/4" = 1'-0"

0' 2' 4'



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

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141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION





Δ	DESCRIPTION	DATE
	PERMIT COMMENTS	10-19-2023

ISSUED FOR

PERMIT 06-27-2023 SHEET NAME

LIFE SAFETY PLANS

SHEET NO.



16'

013100 - GENERAL REQUIREMENTS

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 DOCUMENTS OR NOT.

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

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. 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 ARCHITECT, IF APPLICABLE. 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 WORK.

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 ADDITIONAL COST.

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 THE WORK.

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 CLOSFOUT.

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 CONTRACTOR.

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 ARCHITECT.

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 PROCEED'.

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 PATTERN.

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

INDICATED ON DRAWINGS AND AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. REMOVED FROM PROJECT SITE.

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.

COMPLY WITH APPLICABLE REGULATIONS, CODES AND ORDINANCES.

A WRITTEN REPORT TO ARCHITECT.

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.

DURING SELECTIVE DEMOLITION OPERATIONS.

REGUL

RUCTION AND AS INDICATED. USE MET
ATIONS AND AS FOLLOWS:
A. NEATLY CUT OPENINGS AND HOLE
LEAST LIKELY TO DAMAGE CONSTRUC
B. USE HAND TOOLS OR SMALL POWE
MINIMIZE DISTURBANCE OF ADJACEN
C. CUT OR DRILL FROM THE EXPOSE
FINISHED SURFACES.
D. DO NOT USE CUTTING TORCHES U
VERIFY CONDITION AND CONTENTS B
E. MAINTAIN PORTABLE FIRE-SUPPRE
F. MAINTAIN ADEQUATE VENTILATION
G. REMOVE DECAYED, VERMIN-INFES
DISPOSE OF OFF-SITE.
H REMOVE STRUCTURAL FRAMING M

LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING. 9) REMOVED AND REINSTALLED ITEMS: COMPLY WITH THE FOLLOWING:

NEW EQUIPMENT.

064025 - CABINETRY

SELECTIVE DEMOLITION.

Α.	SPECIFIC ITEMS
В.	STANDING AND RUNNING TR
C.	CASEWORK W/TRANSPAREN
D.	PLASTIC LAMINATE CLAD CA
E.	ARCHITECTURAL COUNTERT
F.	LUMBER
G.	PANELING
Η.	SHELVING
I.	MISCELLANEOUS WORK
J.	ARCHITECTURAL FLUSH DOC
Κ.	STILE AND RAIL DOORS
L.	FACTORY FINISHING
М.	INSTALLATION OF ARCHITEC

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

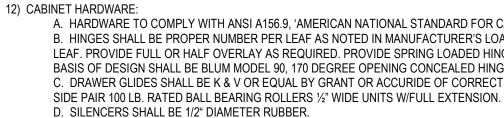
6) INSTALL STANDING AND RUNNING TRIM WITH MINIMUM NUMBER OF JOINTS POSSIBLE, USING FULL LENGTH PIECES. COPE AT RETURNS AND MITER AT CORNERS.

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.



SUMMARY: SECTION INCLUDES SELECTIVE REMOVAL AND SUBSEQUENT OFFSITE DISPOSAL OF PORTIONS OF EXISTING BUILDING

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

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.

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

A. PROTECT WALLS, CEILINGS, FLOORS, AND OTHER EXISTING FINISH WORK THAT ARE TO REMAIN OR THAT ARE EXPOSED

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 ES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS

> CTION TO REMAIN OR ADJOINING CONSTRUCTION. VER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO NT SURFACES. TEMPORARILY COVER OPENINGS TO REMAIN. ED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID MARRING EXISTING

UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, BEFORE STARTING FLAME-CUTTING OPERATIONS. ESSION DEVICES DURING FLAME-CUTTING OPERATIONS. IN WHEN USING CUTTING TORCHES. STED, OR OTHERWISE DANGEROUS OR UNSUITABLE MATERIALS AND PROMPTLY

I. 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

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

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.

AWI STANDARD

400 & 400A

400 & 400B

400 & 400C

1400

150

1700

600, CUSTOM GRADE

RIM WITH OPAQUE FINISH NT FINISH ABINETS TOPS

CTURAL WOODWORK

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.

5) PROVIDE 3 FINISHED SAMPLES OF EACH TYPE OF TRIM AND WOOD VENEER TO BE USED ON THE PROJECT.

7) CHECK ACTUAL DIMENSIONS OF OTHER CONSTRUCTION WHERE MILLWORK MUST FIT BY ACCURATE FIELD MEASUREMENTS PRIOR

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

072100 - THERMAL INSULATION

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

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

2) DELIVERY, STORAGE, AND HANDLING: PROTECT INSULATION MATERIALS FROM PHYSICAL DAMAGE AND FROM DETERIORATIC 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 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 PRODU 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 (LESS

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 INSULATIO 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 57 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, SC 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 APPLICAL 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 BET

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

078413 - FIRE STOPPING

RESISTANCE RATING OF THE ASSEMBLY BEING PENETRATED.

1) FIRE STOPPING SHALL COMPLY WITH THE STANDARDS REQUIRED BY ASTM E814-88 "STANDARD TEST METHOD FOR FIRE TEST 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 BUI 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 I

3) FIRE STOPPING SHALL BE INSTALLED IN ALL OPENINGS IN FIRE-RATED FLOOR AND WALL ASSEMBLIES, BOTH BLANK (EMPTY) A 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 TH 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 SOLVENTS. 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 AL THE FULL RESTORATION OF THE THERMAL AND FIRE RESISTANCE PROPERTIES OF THE BARRIER BEING PENETRATED WITH MINII RFPAIR

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 STOP MANUFACTURER. 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 DÉTRIMENTAL 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 - JC	DINT SE	

	079200 - JOINT SEALANTS
DR	SUMMARY: SECTION INCLUDES JOINT SEALANTS, BACKING MATERIALS, AND SUPPLEMENTARY ITEMS NECESSARY FOR INSTALLATION.
S) ARE ATED,	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.
TION BY EN	2) WARRANTIES: PROVIDE MANUFACTURER'S AND INSTALLER'S WRITTEN WARRANTY COVERING MATERIALS AND INSTALLATION (LABOR) STATING OBLIGATIONS, REMEDIES, LIMITATIONS, AND EXCLUSIONS.
LS ONLY	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.
G	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.
DUCED 5 OR	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.
ION S ESS.	10) SEALANT COLOR: SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS.
578,	11) EXTERIOR NON-SAG SILICONE SEALANT: PRODUCT QUALITY STANDARD- ASTM C 920, TYPE S, GRADE NS, CLASS 50 OR 100/50.
SQUARE	12) EXTERIOR NON-SAG SILICONE SEALANT DESCRIPTION: SINGLE COMPONENT, NON-SAG, NEUTRAL CURE, NON-STAINING AS DETERMINED 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.
CABLE	 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. D. SIKA CORP., CONSTRUCTION PRODUCTS DIV.; SIKASIL WS-295. E. TREMCO COMMERCIAL SEALANTS & WATERPROOFING; SPECTREM 3.
-	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.
ETWEEN	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.
t to fic, or	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.
STS OF S."	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.
uilding Ion E fire	19) ACCESSORIES: WEEP HOLE BAFFLES- PVC-COATED, RETICULATED OPEN CELL POLYURETHANE FOAM, 30 - 40PPI SIZED FOR INSTALLATION AT 30 TO 50 PERCENT COMPRESSION.
') AND THE BY US DM	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.
5	21) INSTALLATION OF JOINT SEALANTS: COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR PRODUCTS AND APPLICATIONS INDICATED, UNLESS MORE STRINGENT REQUIREMENTS APPLY.
ALLOW NIMAL	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

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 OCCUR. 25) JOINT SEALANT COLORS:

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



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ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION



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ISSUED FOR

PERMIT 06-27-2023 SHEET NAME

ARCHITECTURAL **SPECIFICATIONS** SHEET NO.

40.40

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 DRAWINGS 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 DOOR AND FRAME PREPARATION FOR HARDWARE.

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

TOLERANCE. 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:

- **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

SECTIONS WHERE SO SPECIFIED. WITH REQUIREMENTS OF DOOR AND DOOR FRAME LABELS.

HOLDER ARMS.

MANUFACTURER. 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

P. QUALITY Q. SCHLAGE R DORMA S. ROCKWOOD T. PEMKO

O. CHECKMATE ABH

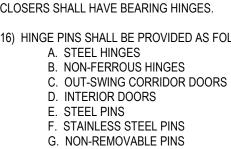
HEAD OR NUT ON OPPOSITE FACE IS EXPOSED IN OTHER WORK.

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)

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

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

WITH NFPA STANDARD NO. 80.



H. NON-RISING PINS

DUSTPROOF STRIKE AT ALL LOCATIONS EXCEPT WHERE THRESHOLDS ARE SHOWN.

SUPPLIERS REQUIRING SAME, FOR THEIR COORDINATION AND USE.

FINISHES.

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 RECOMMENDATIONS.

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.

NECESSARY FOR PROPER INSTALLATION AND OPERATION.

APPLICATION MADE.

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

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

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:

088000 - GLAZING



H. HGP INDUSTRIES

K. TEMPGLASS

L. VIRACON, INC

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 COMPANIES:

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

ADVANCED ELASTOMER SYSTEMS, L.P. ii) SCHNEE MOREHEAD, INC.

iii) TREMCO, 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 INSTALLATION.

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.

MANUFACTURER TO MAINTAIN GLASS LITES IN PLACE FOR INSTALLATION INDICATED.

25) EDGE BLOCKS: ELASTOMERIC MATERIAL OF HARDNESS NEEDED TO LIMIT GLASS LATERAL MOVEMENT (SIDE WALKING). DELETE BELOW WHERE NOTE NEEDED IN GLAZING CHANNELS.

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 CONTRIBUTE TO PRODUCE OPTIMUM SEALANT PERFORMANCE. 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 STANDARD AS REQUIRED TO COMPLY WITH SYSTEM PERFORMANCE REQUIREMENTS.

PART 3 EXECUTION 29) EXAMINATION:

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.

E. DO NOT PROCEED WITH GLAZING UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. 30) PREPARATION:

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

32) GLAZING CHANNEL DIMENSIONS AS INDICATED ON DRAWINGS PROVIDE NECESSARY BITE ON GLASS, MINIMUM EDGE AND FACE CLEARANCES, AND ADEQUATE SEALANT THICKNESSES, WITH REASONABLE TOLERANCES, ADJUST REQUIRED BY PROJECT CONDITIONS DURING INSTALLATION.

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

STANDARDS AND ANSI A117.1 FOR DOOR OPENING FORCE AND DELAYED ACTION CLOSING.

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

"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

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

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

17) MANUAL OR AUTOMATIC FLUSH BOLT COORDINATORS AND MOUNTING BRACKETS SHALL BE PROVIDED WHERE LISTED IN HARDWARE SETS. THEY SHALL BE THE PRODUCT OF ONE MANUFACTURER. ALL BOLTS FOR FIRE-RATED DOORS SHALL HAVE UL LABEL. PROVIDED MINIMUM 1/2 "DIAMETER RODS OR BRASS, BRONZE, OR STAINLESS STEEL, WITH MINIMUM 3/4" THROW. PROVIDE

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 AS APPROVED BY THE ARCHITECT AND ALL NECESSARY TEMPLATE TRANSMITTALS TO METAL FRAME FABRICATORS OR OTHER

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,

24) SET UNITS LEVEL, PLUMB, AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE THE ATTACHMENT SUBSTRATE AS

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

088000 - GLAZING	
PART 1 GENERAL	33) PROTECT GLASS FROM EDGE DAMAGE DURING HANDLING AND INSTALLATION AS FOLLOWS:
RELATED DOCUMENTS: DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATIONS SECTIONS, APPLY TO THIS SECTION.	A. 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.
SUMMARY 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.	 B. 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. C. APPLY PRIMERS TO JOINT SURFACES WHERE REQUIRED FOR ADHESION OF SEALANTS, AS DETERMINED BY PRECONSTRUCTION SEALANT SUBSTRATE TESTING. D. INSTALL ELASTOMERIC SETTING BLOCKS IN SILL RABBETS, SIZED AND LOCATED TO COMPLY WITH REFERENCED GLAZING STANDARD, UNLESS
1) SUBMITTALS: SUBMIT THE FOLLOWING ACCORDING TO CONDITIONS OF CONTRACT AND SPECIFICATION SECTIONS.	 D. INSTALL LEASTOMERIC SETTING BLOCKS IN SILE RABBETS, SIZED AND LOCATED TO COMPETENT NET REFILEMENT OF 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.
2) PRODUCT DATA FOR EACH GLASS PRODUCT AND GLAZING MATERIAL INDICATED.	 F. 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
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.	WHERE GASKETS AND GLAZING TAPES ARE USED THAT HAVE DEMONSTRATED ABILITY TO MAINTAIN REQUIRED FACE CLEARANCES AND COMPLY WITH SYSTEM PERFORMANCE REQUIREMENTS. G. PROVIDE 1/8 INCH MINIMUM BITE OF SPACERS ON GLASS AND USE THICKNESS EQUAL TO SEALANT WIDTH. WITH GLAZING TAPE, USE THICKNESS SLIGHTLY LESS THAN FINAL COMPRESSED THICKNESS OF TAPE.
 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 	 H. PROVIDE EDGE BLOCKING TO COMPLY WITH REQUIREMENTS OF REFERENCED GLAZING PUBLICATIONS, UNLESS OTHERWISE REQUIRED BY GLASS MANUFACTURER. I. SET GLASS LITES IN EACH SERIES WITH UNIFORM PATTERN, DRAW, BOW AND SIMILAR CHARACTERISTICS. J. 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. K. 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
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.	MANUFACTURER. 34) TAPE GLAZING:
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 MATERIALS.	 A. POSITION TAPES ON FIXED STOPS SO THAT WHEN COMPRESSED BY GLASS THEIR EXPOSED EDGES ARE FLUSH WITH OR PROTRUDE SLIGHTLY ABOVE SIGHTLINE OF STOPS. B. 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
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.	 C. 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. D. PLACE JOINTS IN TAPES AT CORNERS OF OPENING WITH ADJOINING LENGTHS BUTTED TOGETHER, NOT LAPPED. SEAL JOINTS IN TAPES WITH
8) SINGLE SOURCE RESPONSIBILITY FOR GLASS: OBTAIN GLASS FROM ONE SOURCE FOR EACH PRODUCT INDICATED BELOW: PRIMARY GLASS OF EACH (ASTM C 1036) TYPE AND CLASS INDICATED.	COMPATIBLE SEALANT APPROVED BY TAPE MANUFACTURER. E. DO NOT REMOVE RELEASE PAPER FROM TAPE UNTIL JUST BEFORE EACH LITE IS INSTALLED. F. CENTER GLASS LITES IN OPENINGS ON SETTING BLOCKS AND PRESS FIRMLY AGAINST TAPE BY INSERTING DENSE COMPRESSION GASKETS
9) HEAT TREATED GLASS OF EACH (ASTM C 1048) CONDITION INDICATED.	FORMED AND INSTALLED TO LOCK IN PLACE AGAINST FACES OF REMOVABLE STOPS. START GASKET APPLICATIONS AT CORNERS AND WORK TOWARD CENTERS OF OPENINGS.
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.	 35) CASKET GLAZING (DRY): A. FABRICATE COMPRESSION GASKETS IN LENGTHS RECOMMENDED BY GASKET MANUFACTURER TO FIT OPENINGS EXACTLY, WITH STRETCH ALLOWANCE DURING INSTALLATION.
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.	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 B. GASKET JOINTS WITH SEALANT RECOMMENDED BY GASKET MANUFACTURER. INSTALL GASKETS SO THEY PROTRUDE PAST FACE OF GLAZING STOPS.
PART 2 PRODUCTS	36) SEALANT GLAZING (WET): A. INSTALL CONTINUOUS SPACERS BETWEEN GLASS LITES AND GLAZING STOPS TO MAINTAIN GLASS FACE CLEARANCES AND TO PREVENT
12) MANUFACTURERS 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.	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. B. TOOL EXPOSED SURFACES OF SEALANTS TO PROVIDE A SUBSTANTIAL WASH AWAY FROM GLASS. INSTALL PRESSURIZED GASKETS TO
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.	PROTRUDE SLIGHTLY OUT OF CHANNEL TO ELIMINATE DIRT AND MOISTURE POCKETS.
14) KIND HS (HEAT STRENGTHENED) WHERE INDICATED.	37) LOCK STRIP GASKET GLAZING: COMPLY WITH ASTM C716 AND GASKET MANUFACTURER'S PRINTED RECOMMENDATIONS. PROVIDE SUPPLEMENTARY WET SEAL AND WEEP SYSTEM UNLESS OTHERWISE 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 COMPANIES.	 38) PROTECTION AND CLEANING: A. PROTECT EXTERIOR GLASS FROM BREAKAGE IMMEDIATELY AFTER INSTALLATION BY ATTACHING CROSSED STREAMERS TO FRAMING HELD AWAY FROM GLASS. DO NOT
16) GLASS SHALL BE 1/4" TEMPERED U.N.O	APPLY MARKERS TO GLASS SURFACE. REMOVE NONPERMANENT LABELS, AND CLEAN SURFACES. B. PROTECT GLASS FROM CONTACT WITH CONTAMINATING SUBSTANCES RESULTING FROM CONSTRUCTION OPERATIONS INCLUDING WELD
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.	SPLATTER. IF, DESPITE SUCH PROTECTING, CONTAMINATING SUBSTANCES DO COME INTO CONTACT WITH GLASS, REMOVE THEM IMMEDIATELY AS RECOMMENDED BY GLASS MANUFACTURER. C. EXAMINE GLASS SURFACES ADJACENT TO OR BELOW EXTERIOR CONCRETE AND OTHER MASONRY SURFACES AT FREQUENT INTERVALS DURING CONSTRUCTION, BUT NOT LESS THAN ONCE A MONTH, FOR BUILD-UP OF DIRT, SCUM, ALKALI DEPOSITS, OR STAINS, AND REMOVE AS RECOMMENDED BY GLASS MANUFACTURER

RECOMMENDED BY GLASS MANUFACTURER.

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

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

24) SPACERS: ELASTOMERIC BLOCKS OR CONTINUOUS EXTRUSIONS WITH A SHORE A DUROMETER HARDNESS REQUIRED BY GLASS



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

ARCHITECT & INTERIOR DESIGN

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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION



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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 ATTIC STOCK.
 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 THE REQUIREMENTS IN THE CONTRACT DOCUMENTS. 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. 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
ÓVER 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.)
 a) STOD DEPTH. b) S-5/8 (@ 16 O.C., (0.N.O.) c) FRAMING: c) GALVANIZED c) FASTENERS SHALL BE PROVIDED OF TYPE, MATERIAL, SIZE, CORROSION RESISTANCE, HOLDING POWER, AND OTHER PROPERTIES
 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
B. EDGES: TAPERED 10) GYPSUM FINISH LEVEL SHALL BE MINIMUM LEVEL 4. ON WALLS RECEIVING GRAPHICS; VINYL OR OTHERWISE, SHALL BE MINIMUM
LEVEL 5 FINISH. 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 OTHERWISE.
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 UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
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 MINIMUM OF 6" ABOVE FINISHED CEILING ELEVATION. 34) SOUND ATTENUATION BLANKETS FILL ENTIRE WALL CAVITY AND BE INSTALLED AND INSPECTED PRIOR TO GYPSUM BOARD WHERE
 36) SOUND ATTENDATION BLANKETS FILL ENTIRE WALL CAVITY AND BE INSTALLED AND INSPECTED PRIOR TO GTPSOM BOARD WHERE INDICATED. 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.

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

SUPPLEMENTARY ITEMS NECESSARY FOR INSTALLATION.

(300 MM) SQUARE.

OBLIGATIONS, REMEDIES, LIMITATIONS, AND EXCLUSIONS.

USE. COMPLY WITH REQUIREMENTS IN ANSI A137.1 FOR LABELING TILE PACKAGES.

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 BONDING SURFACES BEFORE SETTING TILE.

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

COMPONENT FROM SINGLE MANUFACTURER. 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.

MANUFACTURER. MANUFACTURERS AND PRODUCTS: A. ARDEX ENGINEERED CEMENTS; ARDEX 8 + 9 WATERPROOFING AND CRACK ISOLATION MEMBRANE. D. LATICRETE INTERNATIONAL INC.; BLUE 92 ANTI-FRACTURE MEMBRANE. E. MAPEI CORP.; MAPELASTIC AQUADEFENSE.

C. MAPEI CORP.; KERAPOXY CQ.

INCLUDE PRIMERS IF REQUIRED FOR CONCRETE SUBSTRATE CONDITION. 16) METAL TRANSITION STRIPS (TILE TO ADJACENT FLOORING MATERIAL):

A. SCHLUTER SYSTEMS LP; SCHIENE, STAINLESS STEEL. 17) SIMULATED STONE (SOLID SURFACING) THRESHOLD:

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: WITHOUT INTERRUPTIONS UNLESS OTHERWISE INDICATED. ALIGNMENTS. C. ACCURATELY FORM INTERSECTIONS AND RETURNS.

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. B. TILE FLOORS INSTALLED WITH EPOXY MORTARS.

23) INTERIOR TILE INSTALLATION SCHEDULE:

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. 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

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

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

38) FINISH INTERIOR GYPSUM WALLBOARD BY APPLYING JOINT COMPOUNDS IN 3 COATS AND SAND BETWEEN COATS AND AFTER LAST

SUMMARY: MODULAR TILES, MEMBRANE UNDERLAYMENTS, SETTING MATERIALS, GROUTING MATERIALS, ACCESSORIES, AND

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

2) WARRANTY: PROVIDE MANUFACTURERS WRITTEN WARRANTY COVERING MATERIALS AND INSTALLATION (LABOR) STATING

3) DELIVER AND STORE PACKAGED MATERIALS IN ORIGINAL CONTAINERS WITH SEALS UNBROKEN AND LABELS INTACT UNTIL TIME OF

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

CONTACTING BACKS OR EDGES OF OTHER UNITS. IF COATING DOES CONTACT BONDING SURFACES OF TILE, REMOVE COATING FROM 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

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

B. CUSTOM BUILDING PRODUCTS; 9240 WATERPROOFING AND CRACK ISOLATION MEMBRANE. C. LATICRETE INTERNATIONAL INC.; HYDRO BAN WATERPROOFING AND CRACK ISOLATION 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.

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;

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

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

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 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).

C. TILE FLOORS COMPOSED OF RIB-BACKED TILES.

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

099100 - PAINTING

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

2) PAINTING INCLUDES FIELD PAINTING EXPOSED BARE AND COVERED PIPE AND DUCTS (INCLUDING COLOR CODING), 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 EQU IDENTIFICATION, PERFORMANCE RATING OR NOMENCLATURE PLATES.

3) SUBMIT PRODUCT DATE FOR EACH PAINT SYSTEM SPECIFIED, INCLUDING BLOCK FILLERS AND PRIMERS. PRODUCT INCLUDE THE MANUFACTURER'S TECHNICAL INFORMATION AND CERTIFICATION BY THE MANUFACTURER THAT PRODU 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. IDEN FINISH AND SCHEDULED LOCATION. 5) STAINED OR NATURAL WOOD: PROVIDE TWO 12" SQUARE SAMPLES OF THE SPECIFIED FINISH ON THE ACTUAL VENE

STOCK WOOD SPECIES NOTED. IDENTIFY EACH FINISH AND SCHEDULED LOCATION. 6) EXAMINE SUBSTRATES AND CONDITIONS UNDER WHICH PAINTING WILL BE PERFORMED FOR COMPLIANCE WITH MA REQUIREMENTS FOR APPLICATION OF PAINT. DO NOT BEGIN PAINT APPLICATION UNTIL UNSATISFACTORY CONDITION CORRECTED.

7) PROVIDE THE MANUFACTURER'S BEST COMMERCIAL GRADE QUALITY PAINT MATERIAL ON THE VARIOUS COATING SPECIFIED. PAINT MATERIAL CONTAINERS NOT DISPLAYING THE MANUFACTURER'S PRODUCT IDENTIFICATION WILL NO ACCEPTABLE. 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 SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED.

9) PAINT ANY REUSED HVAC DIFFUSERS AND RETURN AIR GRILLES TO MATCH ADJACENT CEILING GRID, UNLESS NOTE CONTRACTOR TO VERIFY IN FIELD. 10) DO NOT PAINT OVER DIRT, RUST SCALE, GREASE, MOISTURE, SCUFFED SURFACES, OR CONDITIONS DETRIMENTAL

OF A DURABLE PAINT FILM. 11) APPLY ADDITIONAL COATS IF UNDERCOATS, STAINS, OR OTHER CONDITIONS SHOW THROUGH FINAL COAT OF PAIN

12) ENSURE THAT SURFACES, INCLUDING EDGES, CORNERS, CREVICES, WELDS, AND EXPOSED FASTENERS RECEIVE / THICKNESS EQUIVALENT TO THAT SPECIFIED.

13) APPLY WATER BASED PAINTS ONLY WHEN THE TEMPERATURE OF THE SURFACES TO BE PAINTED AND SURROUND TEMPERATURES ARE BETWEEN 50 DEGREES F AND 90 DEGREES F. APPLY SOLVENT THINNED PAINTS ONLY WHEN THE OF SURFACES TO BE PAINTED AND SURROUNDING AIR TEMPERATURES ARE BETWEEN 45 DEGREES F AND 95 DEGREE 14) PROVIDE PRODUCTS FROM ONE OF THE FOLLOWING MANUFACTURERS:

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

C. PPG INDUSTRIES

FILM IS OF UNIFORM FINISH, COLOR AND APPEARANCE.

15) FOR ALL GYPSUM WALL BOARD SURFACES, APPLY ONE COAT OF PRIMER AND TWO COATS OF ACRYLIC LATEX FOR WALLS, UNLESS NOTED OTHERWISE. APPLY ONE COAT OF PRIMER AND TWO COATS OF LATEX ENAMEL FOR SEMI-GLC EGGSHELL SHEEN WALLS, UNLESS NOTED OTHERWISE.

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

104400 - FIRE-PROTECTION SPECIALTIES

C. POTTER ROEMER LLC.

i. SHEET: ASTM B 209.

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. B. LARSEN'S MANUFACTURING COMPANY.

6) SINGLE SOURCE RESPONSIBILITY: FURNISH EACH TYPE OF PRODUCT FROM SINGLE MANUFACTURER. PROVIDE SECONDARY MATERIALS ONLY AS RECOMMENDED BY MANUFACTURER OF PRIMARY 7) 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 MANUFACTURER FOR TYPE OF USE AND FINISH INDICATED, AND AS FOLLOWS:

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.

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 LOCATION.

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

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. C. CONTRACT DOCUMENTS.

23) CONTROL OF CORROSION: PREVENT GALVANIC ACTION AND OTHER FORMS OF CORROSION BY ISOLATING METALS AND OTHER MATERIALS FROM DIRECT CONTACT WITH INCOMPATIBLE MATERIALS. PREPARATION

ACE OR MATERIAL PECIFICALLY E ARCHITECT WILL	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 HAVING JURISDICTION. PREPARE RECESSES FOR CABINETS AS REQUIRED BY TYPE AND SIZE OF CABINET AND TRIM STYLE. FASTEN CABINETS TO STRUCTURE, SQUARE AND PLUMB.	
, HANGERS QUIPMENT NAME,	25) ADJUSTING, CLEANING, AND PROTECTION: ADJUST CABINET DOORS THAT DO NOT SWING OR OPERATE FREELY. REFINISH OR REPLACE CABINETS AND DOORS DAMAGED DURING INSTALLATION. PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS THAT ENSURE THAT CABINETS AND DOORS ARE WITHOUT DAMAGE OR DETERIORATION AT THE TIME OF SUBSTANTIAL COMPLETION.	
DATA SHALL UCTS SUPPLIED		
	113100 - RESIDENTIAL APPLIANCES	
NTIFY EACH	SUMMARY: SECTION INCLUDES INFORMATION REGARDING RESIDENTIAL STYLE KITCHEN APPLIANCES AND SUPPLEMENTARY ITEMS NECESSARY FOR INSTALLATION.	
EERS AND SOLID	1) SUBMITTALS: PRODUCT DATA- MANUFACTURER'S DATA INDICATING DIMENSIONS, CAPACITY, AND OPERATING FEATURES OF EACH PIECE OF RESIDENTIAL EQUIPMENT SPECIFIED.	
ANUFACTURER'S	2) QUALITY ASSURANCE: ELECTRIC APPLIANCES- LISTED AND LABELED BY UL AND COMPLYING WITH NEMA STANDARDS.	
NS HAVE BEEN	3) WARRANTY: PROVIDE MANUFACTURERS STANDARD APPLIANCE WARRANTY.	
TYPES	4) PRODUCTS: SEE EQUIPMENT SCHEDULE PROVIDED IN DRAWINGS FOR PRODUCT DETAILS.	
OT BE TS.	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.	
D FOR	6) INSTALLATION: INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ANCHOR BUILT-IN EQUIPMENT IN PLACE. ADJUST OPERATING EQUIPMENT TO EFFICIENT OPERATION.	
ED OTHERWISE.	7) PROTECTION: PROTECT APPLIANCES FROM DAMAGE DURING AND AFTER INSTALLATION. DAMAGED, SCRATCHED OR DENTED ALLIANCES WILL NOT BE EXCEPTED UNLESS APPROVED BY OWNER.	
L TO FORMATION	8) CLEANING: REMOVE PACKING MATERIALS FROM EQUIPMENT. WASH AND CLEAN EQUIPMENT.	
NT UNTIL PAINT		
A DRY FILM		
DING AIR E TEMPERATURE ES F.		
R FLAT SHEET OSS OR		
EMI-GLOSS LATEX		



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

ARCHITECT & INTERIOR DESIGN

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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION



REVISION

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PERMIT 06-27-2023 SHEET NAME

ARCHITECTURAL **SPECIFICATIONS** SHEET NO.

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encountered in the field.

and alternate methods of construction.

Only products which bear UL's Mark are considered Certified.

Design/System/Construction/Assembly Usage Disclaimer

• 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

• 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

use of UL Certified products, equipment, system, devices, and materials.

Authorities Having Jurisdiction should be consulted before construction.

• Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and



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

NATIONAL GYPSUM	CO — Type SBWB	
applied vertically and	secured as described in Item 4.	
in offound		

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

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-C, 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-11

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 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.

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

CGC INC — Type SCX

CABOT MANUFACTURING ULC --- "5/8 Type X"

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 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 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 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.

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 Criteria and Allowable Variances Design No. U301 February 3, 2023 Bearing Wall Rating - 2 Hr. Finish Rating — 66 Min. 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 <u>BXUV</u> or <u>BXUV7</u> * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification 🛥 (such as Canada), respectively. 2x4's firestopped 1. Nailheads — Exposed or covered with joint compound. 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, 0.113 in. shank diam, 9/32 in. diam heads. 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 opposite side. 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 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 👌 DGL2W 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-5, PG-5W, PG-5WS, PG-9, PG-11, PG-C, PGS-WRS, PG 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-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX 4A G B As er eole 4 — o 3/4 i hick, i s ed s described i le 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 4B 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 CGC INC — Type SHX UNITED STATES GYPSUM CO — Type SHX USG MEXICO S A DE C V — Type SHX 4C G B As er e o e 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 hick ed b cked gypsup es wih beveed, squ re or perededges, ppied veric y Veric joi sce ered over suds ds ggered i 1 sud c viyo 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 sripsrequired behi d verici joi sofe d b cked gypsu w bord d opio rei i g sud ocio s Le d b e srips, 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 woli og Type S-12 p hedsee screws, F4joe he op of hes rip doe heboo of hes rip Led discs or bs ybeused i ieu ofori ddiio o heed be sripsoropio o herocios M x 3/4 i di by x 0.125 i

4D G B As A er e o l e 4 — 5/8 i hick ppiedei her horizo y or ver ic y l er yers fse ed o fr ig wih 1-1/4 i og Type W corse hre dgypsu p e s ee screws sp ced x 8 i OC, wih s screw 1 i fro edge of bord Ouer yers fseed ofrig wih 1-7/8 i og Type W corse hredgypsupes sees crews speed 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 wih joi s i b se yers Joi s of e ch b se yer offse wih joi s of b se yer o opposie side AMERICAN GYPSUM CO - Types AGX-1, M-G ss, AG-C, Ligh Roc

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 bords 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

999% 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 e d b cked bord o be i 2-1/2 i Type S-12 bug e he d s ee screws sp ced s described i I e 4

RAY-BAR ENGINEERING CORP — Type RB-LBG

4F. Gvpsum 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,

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,

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.

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

6C. Steel Framing Members* ---- (Optional, Not Shown, As an alternate to Item 6) ----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 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 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 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

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, Spraved (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 Gypsum Board 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 polyurethane foam sealant.

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 ill mod 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 il mod 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 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.

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 Foil", "Xci CG NH", "Xci Foil NH"

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. Last Updated on 2023-02-03

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FLOOR-CEILING SYSTEMS, WOOD FRAMED				
GA FILE NO. FC 5725	GENERIC	2 HOUR FIRE		
METAL Cli Fire Design: Base layer 5/8" type X gypsum to 2 × 8 wood joists 24" o.c. wi Second layer 5/8" type X gypsum to joists with 2" Type W screws gypsum wallboard applied at Type W screws 12" o.c. Hat-s 24" o.c. applied at right angles 2-1/2" long Type W screws at e gypsum wallboard applied at right 1-1/8" Type S screws 12" o.c. edge plywood floor applied at right 6" o.c. at joints and 12" at inter-	om base layer joints. Third layer	UL R4 UL De	(Fire) 024, 00NK26545, 4-27-01, 024, 03NK11206, 3-19-03, sign L556, esign M514	



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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

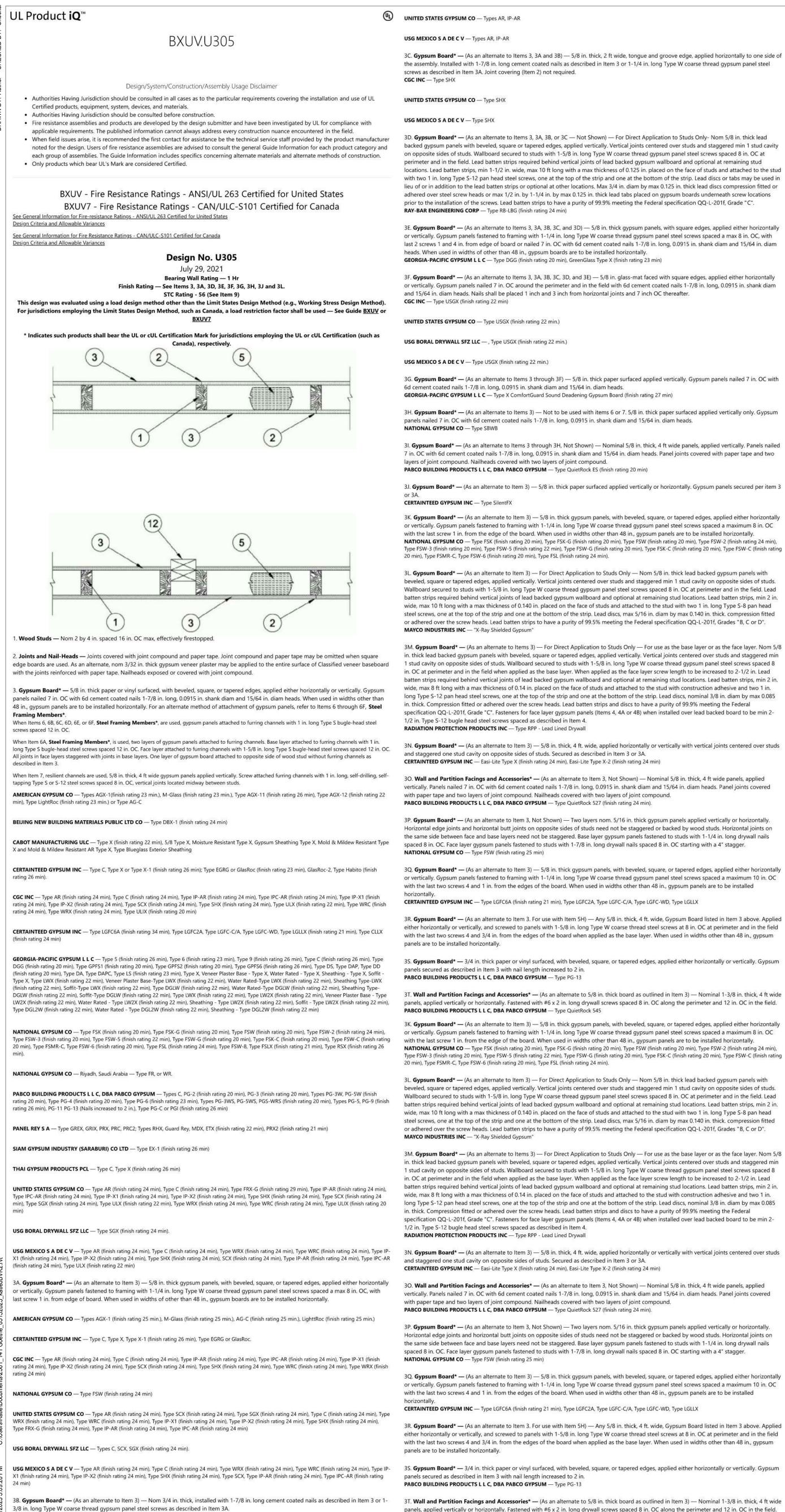
OWNER CITY GOSPEL MISSION



REVISION		
Δ	DESCRIPTION	DATE

ISSUED FOR





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. CGC INC — Type USGX (finish rating 22 min)

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

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

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

31. 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.

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 (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), 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 Gypsu

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. RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

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)

30. 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

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.

35. 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 FSK-C (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 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. RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

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)

30. 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).

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.

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

CGC INC — Types AR, IP-AR

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 companies.

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 filling stud cavity. 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 be 5.79 lbs/ft³.

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 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

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

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 channels as described in Item 3.

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. PLITEQ INC — Type Genie Clip

6C. 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 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 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 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. REGUPOL AMERICA — Type SonusClip

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. PAC INTERNATIONAL L L C — Type RC-1 Boost

7. 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 hannels are used, insulation, Items 5C or 5D is required.

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.

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 assembly.

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 obtaining STC rating.

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

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 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

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

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

35. Gypsum Board* — 3/4 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum

Not evaluated or intended as a substitute for the required laver(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 study 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.

AMERICAN GYPSUM CO — Type AG-C CERTAINTEED GYPSUM INC - Type C

CERTAINTEED GYPSUM INC — Type LGFC-C/A

Finish Rating 30 Min.

CGC INC — Types C, IP-X2, IPC-AR

PANEL REY S A - Type PRC

Gypsum Board.

on the product.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C NATIONAL GYPSUM CO — Types FSK-C, FSW-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

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

BLUE RIDGE FIBERBOARD INC - SoundStop

* 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

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service, Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark

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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

HTCTC - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202

859.261.0585

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION



REVISION

Δ	DESCRIPTION	DATE

ISSUED FOR

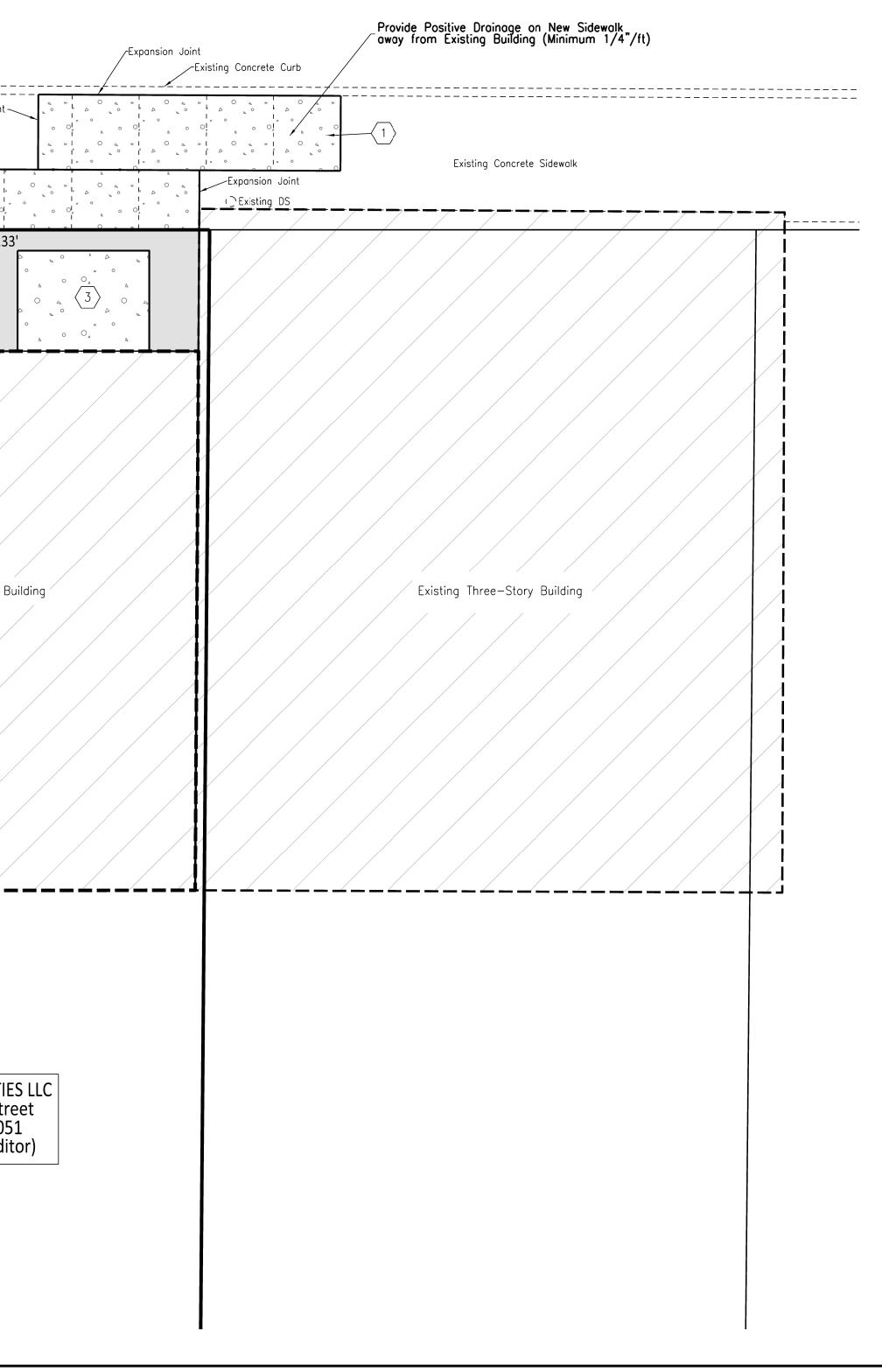
PERMIT 06-27-2023 SHEET NAME **UL DETAILS**

			xisting Concrete Curb
		GOETHE STREET (50' R/W)	
		Existing Asphalt	Provide Positive Drainage on New Sidewalk away from Existing Building (Minimum 1/4"/ft)
Existing Concrete Sidewalk	1 Contraction Jc (Align with Exi	Expansion Joint Existing Concrete Sidewalk	
			Existing Concrete Sidewolk Expansion Joint
	Provide Positive Drainage on New Sidewalk away from Existing Buildings (Minimum 1/4"/ft)	Existing Two-Story Building	Existing Three-Story Building
		HTCTC PROPERTIES LLC 141 Goethe Street 094-0005-0051 0.071 Ac. (Auditor)	

<u>GENERAL NOTES:</u>

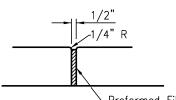
○ <u>NOTES THIS</u> <u>DRAWING</u>:

(50' R/W)



A. ENGINEER/OWNER/CLIENT shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by the Contractor. B. CIVIL ENGINEER of record (Steve Stewart 513.616.9694) shall field verify design intent of proposed grade stakes prior to construction. C. The locations of the underground facilities shown on this plan are based on field surveys and local utility company records. The engineer does not guarantee their accuracy. The contractor shall field verify locations with utility companies prior to any field work. The contractor is solely responsible for verifying all existing utility locations. D. All site work shall be completed in accordance with the latest addition of "State of Ohio Department of Transportation Construction and Material Specifications", City of Cincinnati's "2008 City Supplement to ODOT". E. Contractor to install all erosion control measures as required by Local & State regulations prior to any earth moving activities.

1. New Concrete Walk (Minimum 4" Concrete, 4" Limestone Aggregate Base) — Match existing concrete walk thickness and finish. 2. New Donor Pavers. See Sheet A2.01 for additional details. 3. New Concrete Stoop. See Sheet A2.01 for additional details.



Preformed Fibre Expansion Joint Material (Completely Separating Concrete Faces)

EXPANSION JOINT

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CONTRACTION JOINT

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GENERAL STRUCTURAL NOTES

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

GOVERNING CODE

OHIO BUILDING CODE - 2017, BASED ON 2015 IBC

CLASSIFICATION OF THE BUILDING STRUCTURE:

RISK CATEGORY II, TABLE 1604.5

- <u>DESIGN LOADS</u>
- 1. ROOF LOAD:
- A. MINIMUM LIVE LOAD OR SNOW LOAD: 20 PSF* B. DEAD LOAD = 20 PSF IN ADDITION TO STRUCTURE SELF WEIGHT

*MINIMUM LIVE / SNOW LOAD GOVERNED BY MINIMUM SNOW LOAD, Pm = Is * Pq

- 2. SNOW LOAD:
- A. GROUND SNOW LOAD, $P_g = 20$ PSF. B. FLAT ROOF SNOW LOAD, P_f = 14 PSF MODIFIED BY APPLICABLE
- BUILDING COEFFICIENTS.
- C. MINIMUM ROOF SNOW LOAD, $P_m = 20$ 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
- 4. WIND LOAD:
- A. MAIN WIND FORCE RESISTING SYSTEM: 115 MPH PER ASCE 7-10 (3-SECOND GUST - LOAD AND RESISTANCE FACTOR DESIGN).
- B. WIND EXPOSURE: B C. BASIC WIND VELOCITY PRESSURE, qh= 19.21 PSF (LRFD), 11.526 PSF
- D. INTERNAL GUST PRESSURE COEFFICIENT, GCp = 0.18 (ENCLOSED BUILDING).
- 5. SPECIAL LOADS:
- A. INTERIOR FINISH: 5 PSF HORIZONTAL LOAD. B. HANDRAILS: 200 POUND CONCENTRATED LOAD AT ANY POINT, IN ANY DIRECTION, OR 50 PLF UNIFORM LOAD IN ANY DIRECTION.
- 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. 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 MATERIALS.
- G. ANY AND ALL DEVIATIONS FROM THE SPECIFIED REQUIREMENTS.
- 2. SHOP DRAWING SUBMITTALS SHALL BE SUBMITTED BY THE GENERAL CONTRACTOR IN A TIMELY MANNER TO PROVIDE AN ADEQUATE AMOUNT OF TIME FOR REVIEW.
- A. ALL SUBMITTALS MUST BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING FOR REVIEW. ANY SHOP DRAWINGS RECEIVED DO NOT BEAR THE STAMP OF THE GENERAL CONTRACTOR AS WELL AS CLEAR EVIDENCE THAT THE SUBMITTAL HAS BEEN REVIEWED WILL BE REJECTED WITHOUT REVIEW.
- 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

CONSTRUCTION AND SAFETY

1. THE CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.

INCURRED DUE TO ANSWERING THE RFI.

- 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.
- THE CONTRACTOR SHALL NOT REMOVE ANY ELEMENTS WHICH MAY CAUSE THE STRUCTURE TO BECOME UNSTABLE, OR THAT WILL POSE A RISK TO PERSONS OR PROPERTY, EVEN IF INDICATED IN PLANS, IF ANY ELEMENTS BECOME UNSTABLE, CONTRACTOR IS TO STABILIZE AND SHALL INFORM THE ENGINEER/OWNER IMMEDIATELY
- 9. IT IS UP TO THE CONTRACTOR TO CONTINUALLY EVALUATE THE STRUCTURAL STABILITY OF THE BUILDING AND THE INTEGRITY OF ELEMENTS BOTH STRUCTURAL AND NON-STRUCTURAL THAT ARE SHOWN TO REMAIN. IF THE CONTRACTOR DETERMINES THAT SOME OF THESE ELEMENTS SHOULD BE REMOVED, HE/SHE MUST FIRST RECEIVE PERMISSION FROM THE ENGINEER/ OWNER, OR MAY BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.

MISCELLANEOUS STRUCTURAL NOTES

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

FOUNDATIONS

- 1. SOIL CONDITIONS:
- A. PER THE CLIENT'S REQUEST, THE FOUNDATION DESIGN AND GENERAL FOUNDATION NOTES ARE BASED ON THE ASSUMPTION OF FAVORABLE SOIL CONDITIONS.
- 2. THE BOTTOM OF FOUNDATION ELEVATION INDICATED ARE FOR BIDDING PURPOSES AND MAY BE LOWERED TO SUIT SUB-SURFACE SOIL CONDITION. BEARING STRATA SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. PROVIDE ENGINEERED FILL OR FLOWABLE FILL CONCRETE (500 PSI) UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS.
- 3. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 1500 PSF BELOW STRIP FOOTINGS AND 1500 PSF BELOW ISOLATED COLUMN FOOTINGS.
- 4. CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.

- 5. COMPACTION:
- A. ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL 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 REQUIRED.
- 4. CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR EACH TYPE OF CONCRETE TO THE STRUCTURAL ENGINEER FOR APPROVAL IN ACCORDANCE WITH ACI 301 SECTION 4.2.3.4 FIELD TEST DATA OR TRIAL MIXTURES.
- 5. SUBMIT SHOP DRAWINGS OF REINFORCING STEEL
- 6. MATERIALS (ALSO SEE CONCRETE MIX SCHEDULE):
- A. REINFORCING STEEL: ASTM A615 OR ASTM 996 (AXLE ONLY) 60 KSI YIELD DEFORMED BARS AND ASTM A1064 MESH, FLAT SHEETS ONLY.
- B. FLY ASH: ASTM C618, TYPE F OR C. FLY ASH-TO-TOTAL CEMENTITIOUS RATIO SHALL NOT EXCEED 25% MAXIMUM.
- C. GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989. TOTAL GROUND GRANULATED BLAST FURNACE SLAG-TO-TOTAL CEMENTITIOUS RATIO SHALL NOT EXCEED 50% MAXIMUM.
- D. HIGH RANGE WATER REDUCER (HRWR) ADMIXTURE: ASTM C494. E. CHLORIDE CONTENT OF CONCRETE: LIMIT TOTAL CHLORIDE ION CONTENT TO AMOUNT INDICATED IN TABLE 4.2.2.6 OF ACI 318. ADMIXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.

7. CONCRETE MIX SCHEDULE:

Application	f ^r c @ 28 days (psi)	Air Content ¹	Max w/c ratio²	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.

<u>WOOD</u>

- 1. MATERIALS:
- A. FRAMING LUMBER:
- a. 2x8 AND LARGER: NO.1 GRADE OR BETTER SOUTHERN PINE KILN
- DRIED b. 2x4: STUD GRADE OR BETTER SPRUCE PINE FIR KILN DRIED
- c. 2x6: NO.2 GRADE OR BETTER SPRUCE PINE FIR KILN DRIED. d. ACQ-C (ALT CA-B OR SBX-DOT) PRESSURE TREAT PIECES IN CONTACT WITH FOUNDATION OR EXPOSED TO WEATHER.
- 2. SHEATHING AND SUBFLOORING:
- A. 48/24 APA RATED TONGUE AND GROOVE SUBFLOOR EXPOSURE 1. B. 32/16 APA RATED ROOF SHEATHING EXPOSURE 1.
- C. 24/16 APA RATED STRUCTURAL WALL SHEATHING EXPOSURE 1. D. ALL SHEATHING TO BE NAILED WITH 8d NAILS AT 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS
- UNLESS NOTED OTHERWISE. E. ROOF AND WALL SHEATHING SHALL BE SPACED A MINIMUM 1/8" AT PANEL EDGES AND ENDS OF SHEETS. USE APPROPRIATE PLYWOOD CLIPS AS RECOMMENDED BY THE APA.
- F. ALL PLYWOOD SUBFLOORING SHALL BE GLUED AND NAILED.
- 3. NAIL SIZES AS CALLED OUT IN THE STRUCTURAL DRAWINGS AND FOR SIMPSON CONNECTORS ARE LISTED BELOW. NAIL GUN NAILS SHALL MEET DIAMETER AND LENGTH OF NAILS LISTED BELOW, OR ELSE NAILS SHALL BE DRIVEN WITH A HAMMER.
- A. 6d NAILS ARE 0.120"Ø x 1¾" LONG (MIN 3/8" HEAD)
- B. 8d NAILS ARE 0.131"Ø x 21/2" LONG C. 10d NAILS ARE 0.148"Ø x 3" LONG
- D. 16d NAILS ARE 0.162"Ø x 3½" LONG

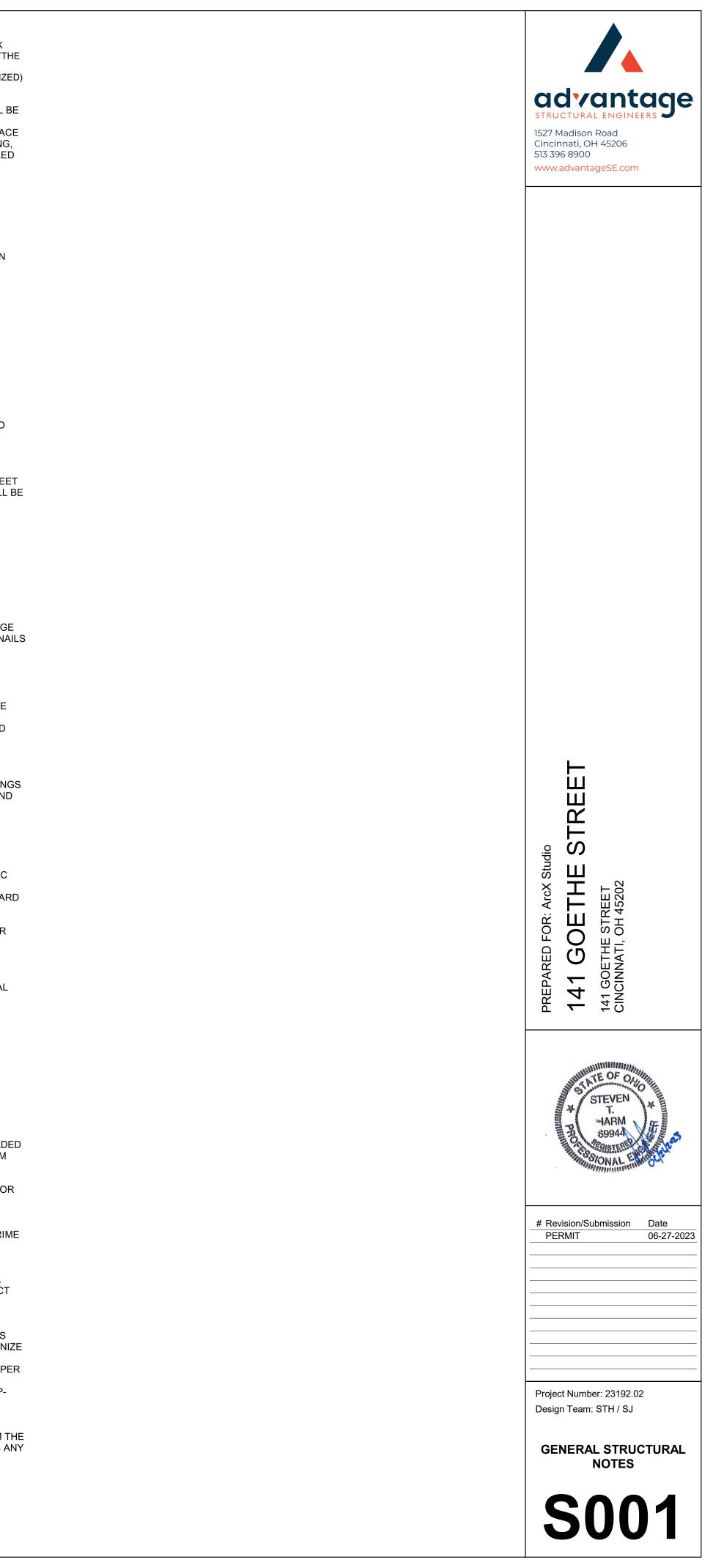
OF DOUBLE SHEAR HANGERS.

- 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
- 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 INSTRUCTION MANUAL.

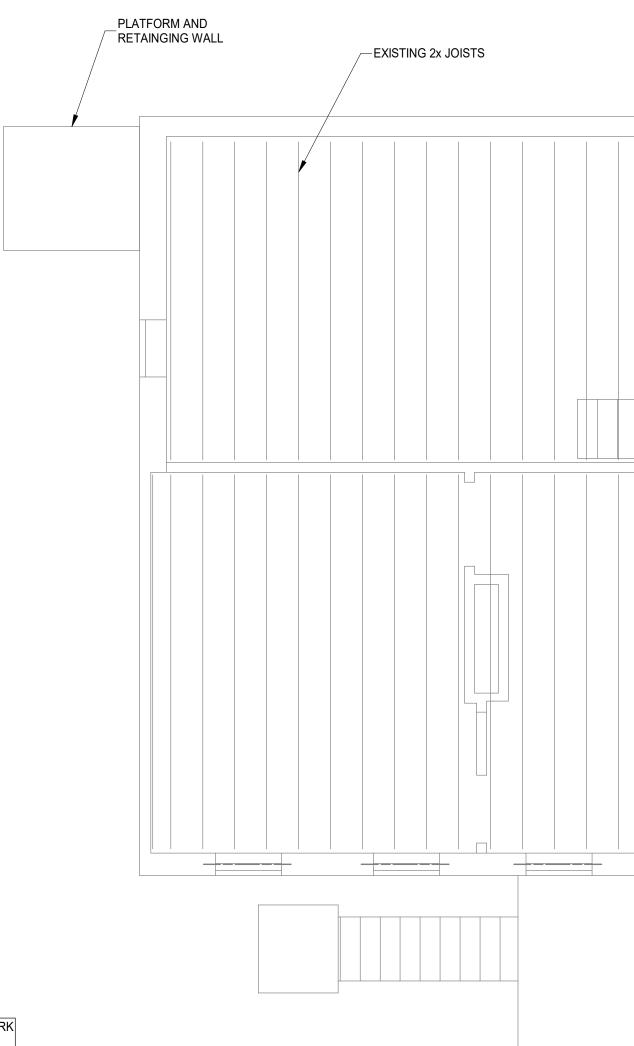
STRUCTURAL STEEL

- 1. ALL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS FOR "DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION.
- 2. NO OPENING OR HOLE SHALL BE PLACED IN ANY STRUCTURAL MEMBER (OTHER THAT WHAT IS INDICATED ON THE DRAWINGS) UNLESS THE LOCATION HAS BEEN APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- 3. ALL FLOOR OR ROOF BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP.
- 4. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS D1.1).
- 5. MATERIALS:
- 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 GRADE. 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-26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 8 MILS.
- 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.

N/a N/a





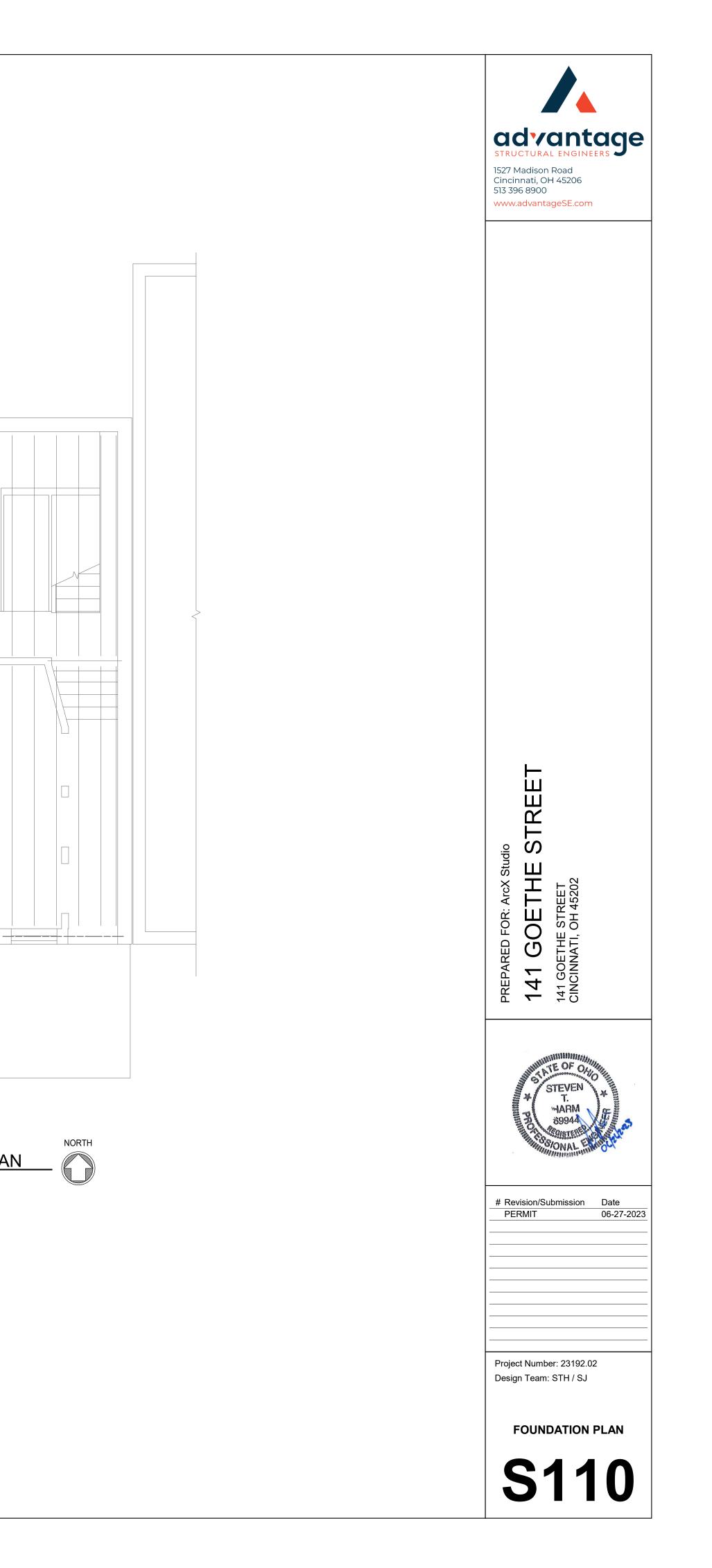


NO SIGNIFICANT STRUCTURAL WORK OTHER THAN WHAT IS DEPICTED. FRAMING SHOWN IS FOR REFERENCE OF OTHER TRADES

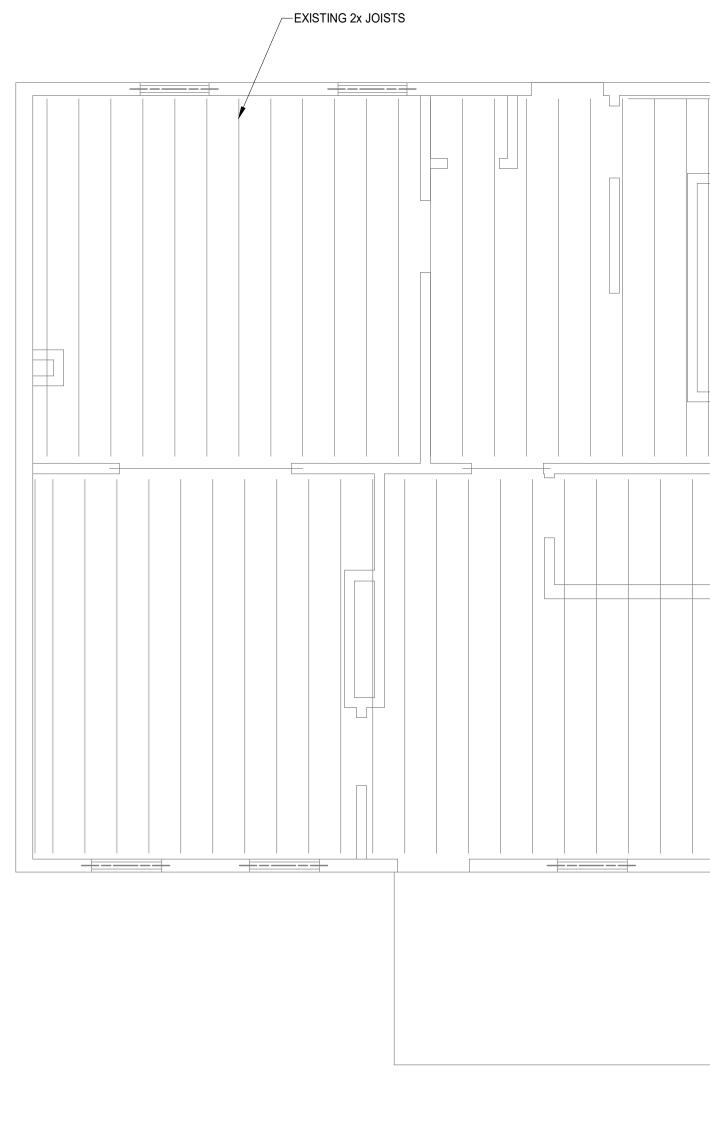
PLAN NOTES:

- 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.
- SEE STRUCTURAL ELEVATION DRAWINGS FOR EXTERIOR BRICK REPAIR AND TUCKPOINTING.
- 6. REPAIR AND TUCKPOINT INTERIOR MASONRY PER THE GENERAL NOTES.
- FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ADVANTAGE GROUP ENGINEERS OF ANY DESCREPANCIES.
- 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.

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

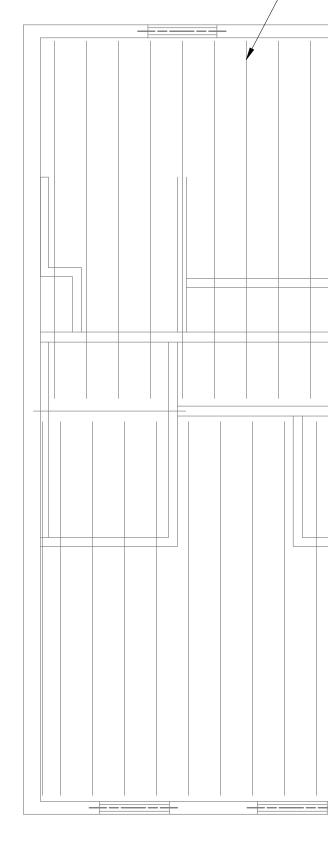






2ND FLOOR FRAMING PLAN SCALE 1/4" = 1'-0"



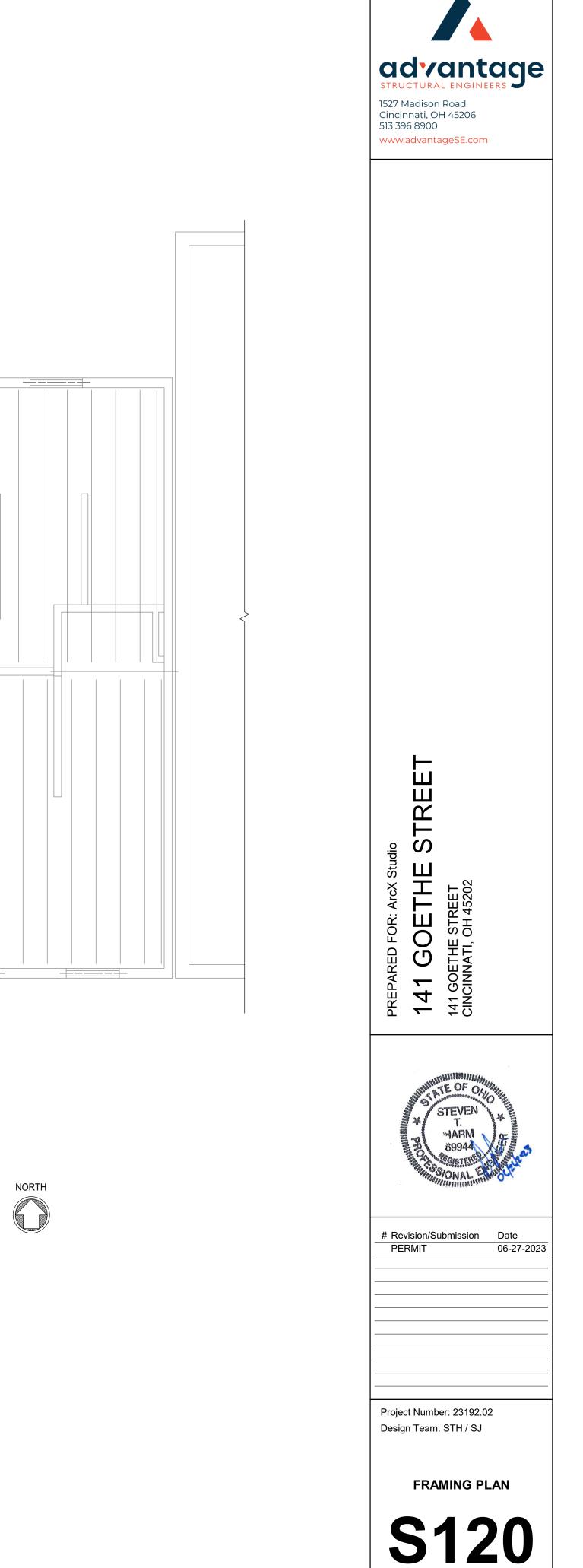


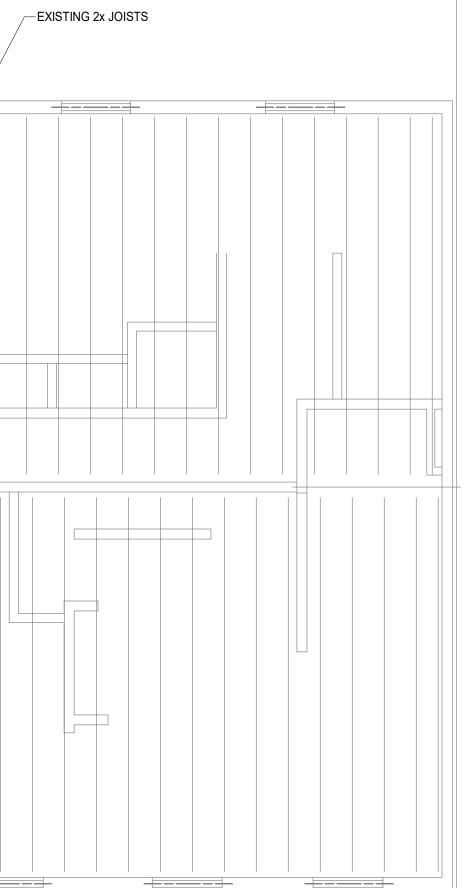
NO SIGNIFICANT STRUCTURAL WORK OTHER THAN WHAT IS DEPICTED. FRAMING SHOWN IS FOR REFERENCE OF OTHER TRADES

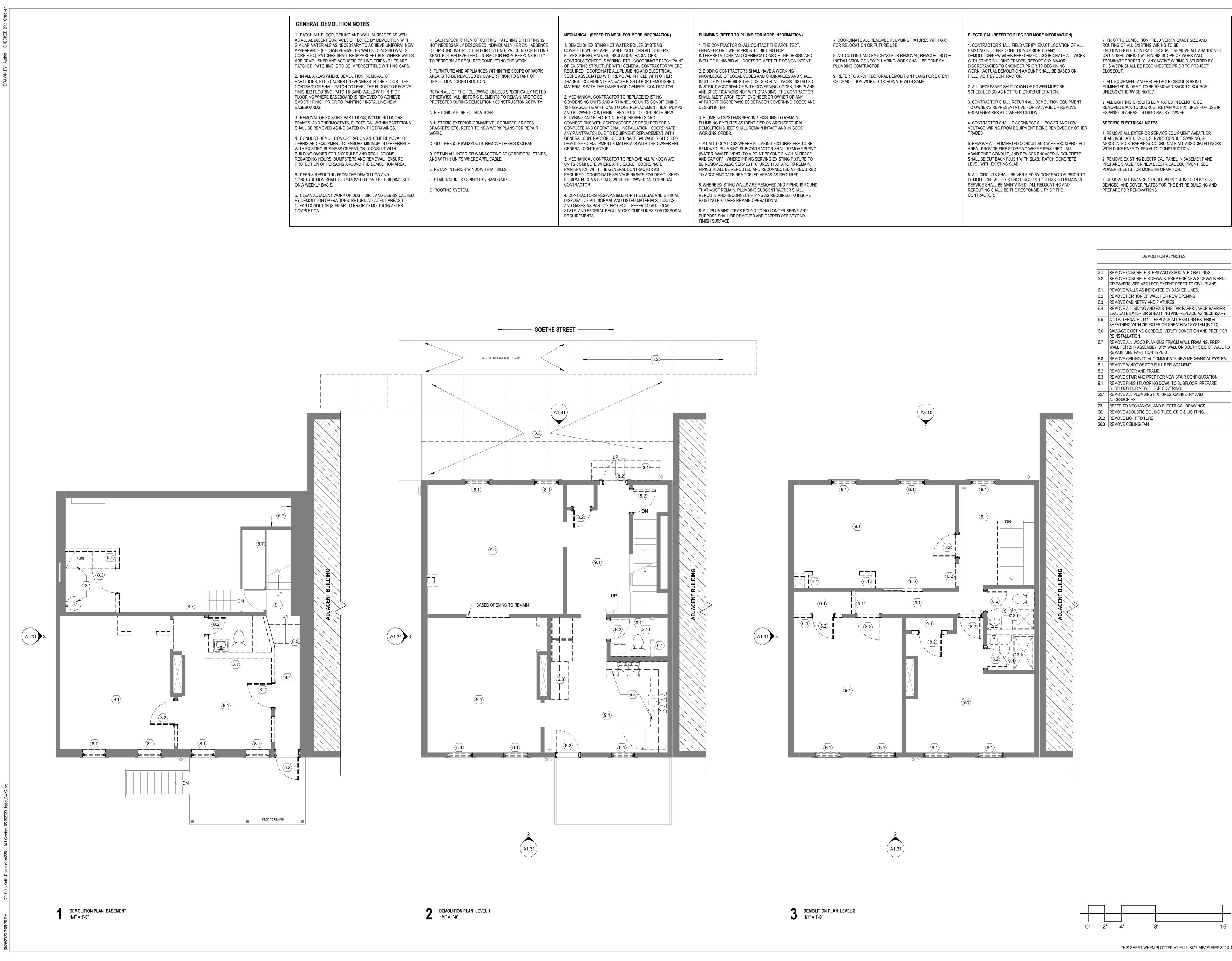
PLAN NOTES:

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

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









ARCHITECT & INTERIOR DESIGN ARCX STUDIO

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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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION

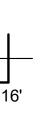


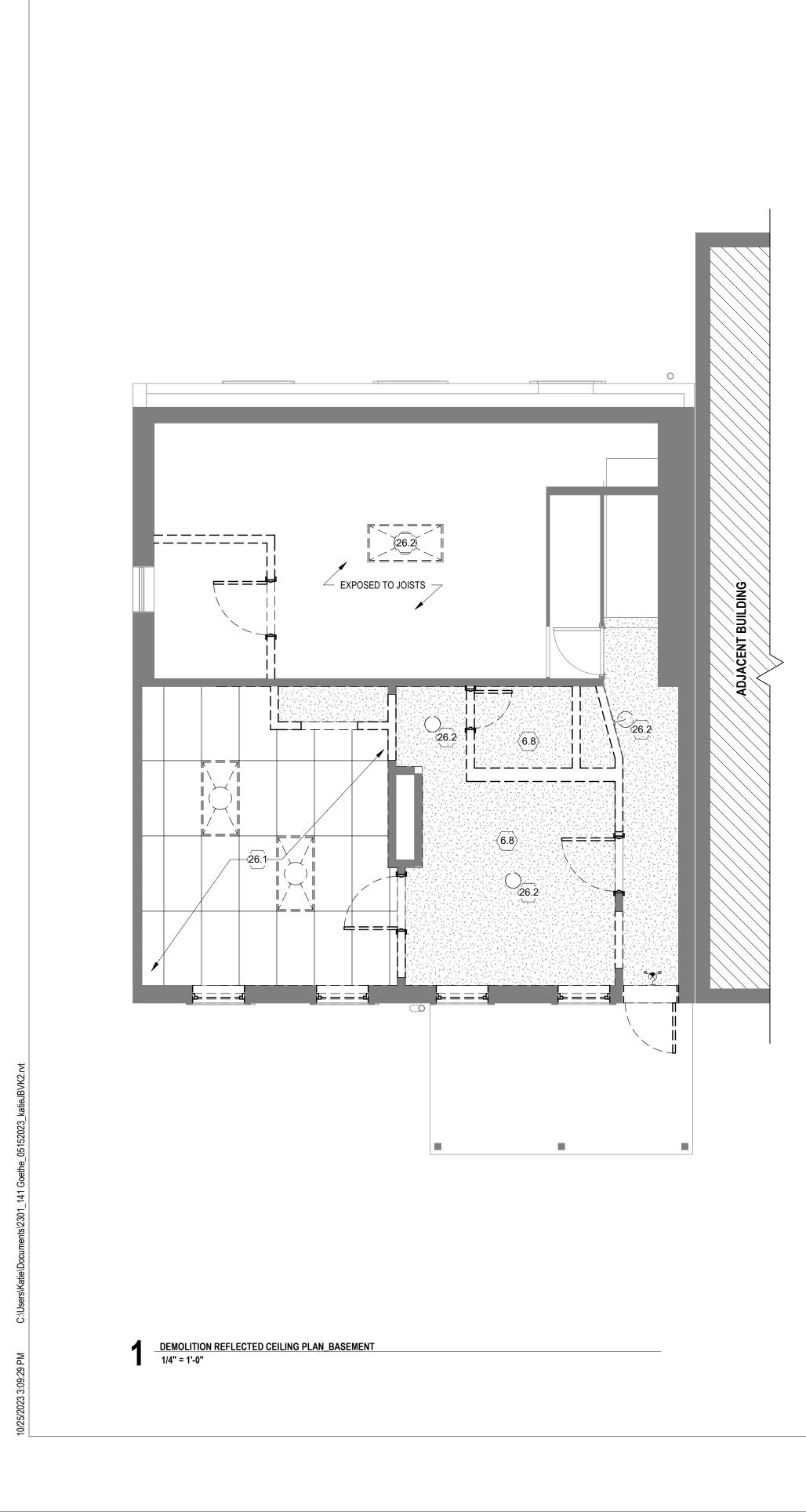
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ISSUED FOR PERMIT 06-27-2023

SHEET NAME **DEMOLITION PLANS**

A1.11





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

ON A WEEKLY BASIS.

COMPLETION.

CONSTRUCTION SHALL BE REMOVED FROM THE BUILDING SITE

GENERAL DEMOLITION NOTES

REGARDING HOURS, DUMPSTERS AND REMOVAL. ENSURE PROTECTION OF PERSONS AROUND THE DEMOLITION AREA. 5. DEBRIS RESULTING FROM THE DEMOLITION AND

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

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 STONE FOUNDATIONS.

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

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

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.

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.

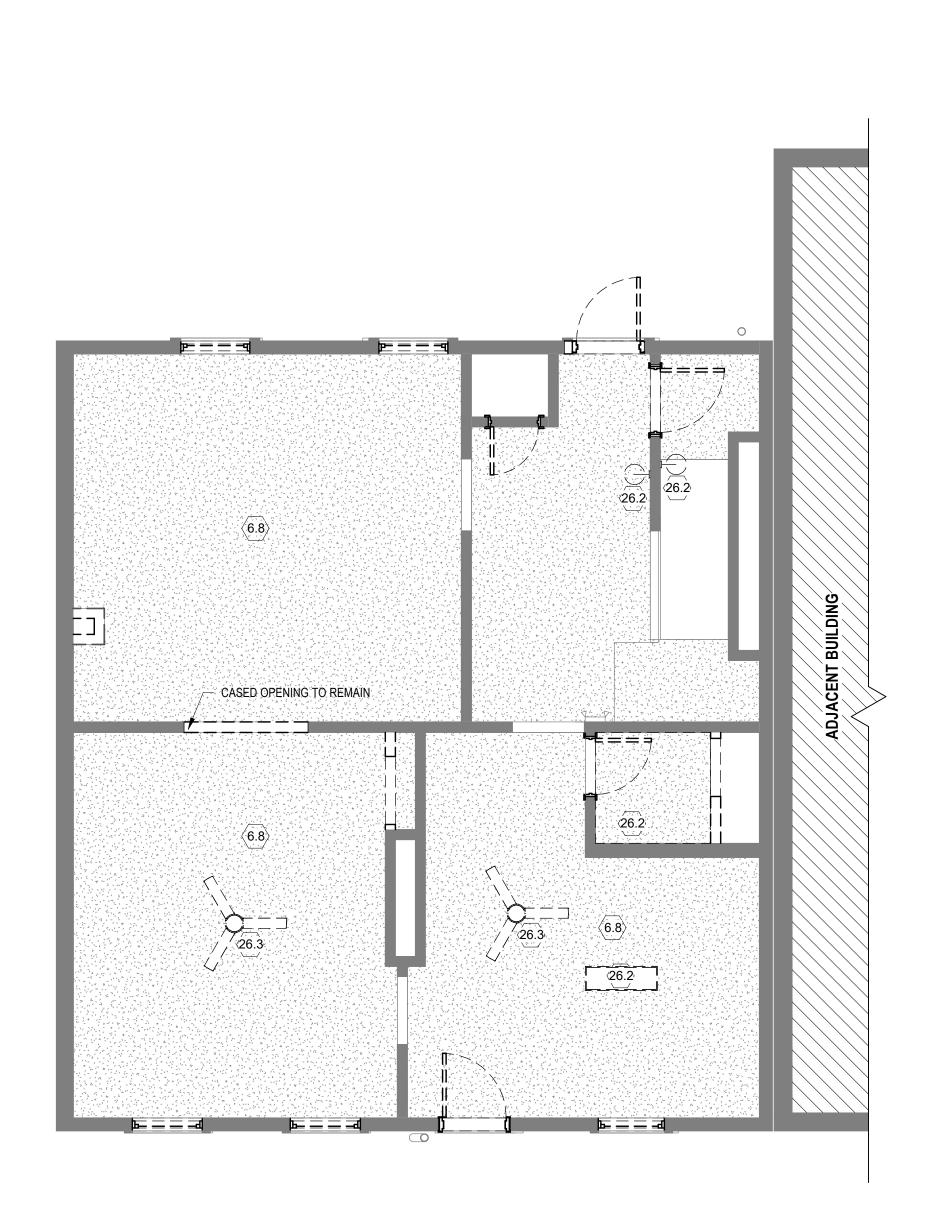
2. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY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

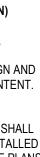
3. PLUMBING SYSTEMS SERVING EXISTING TO REMAIN PLUMBING FIXTURES AS IDENTIFIED ON ARCHITECTURAL DEMOLITION SHEET SHALL REMAIN INTACT AND IN GOOD WORKING ORDER.

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.

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 TRADES. 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.

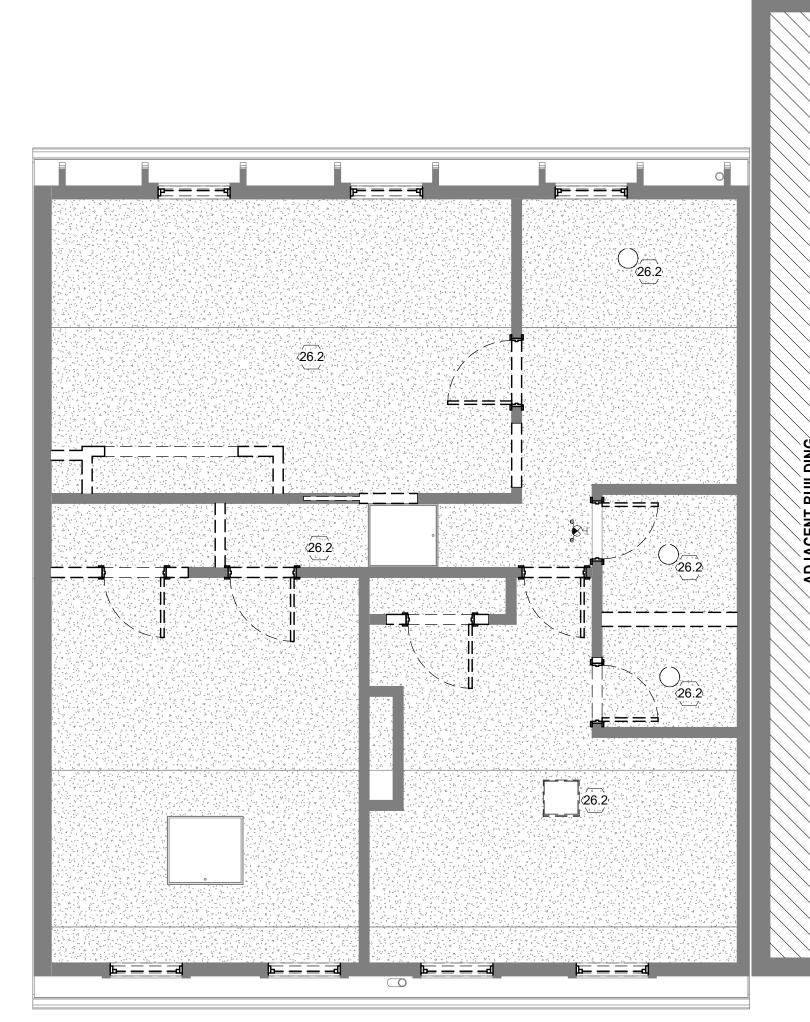
8. ALL EQUIPMENT AND RECEPTACLE CIRCUITS BEING ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE UNLESS OTHERWISE NOTED.

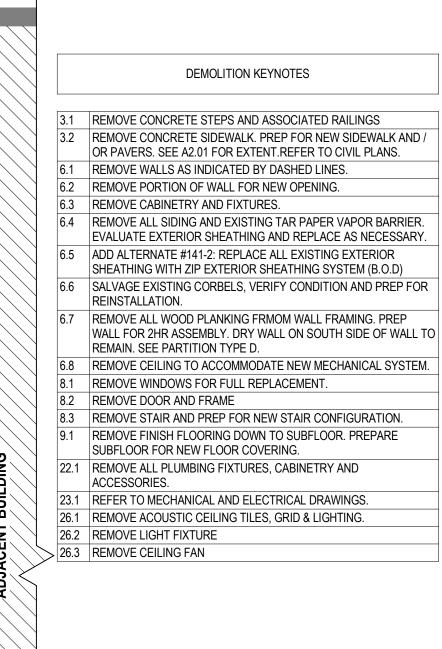
9. ALL LIGHTING CIRCUITS ELIMINATED IN DEMO TO BE REMOVED BACK TO SOURCE. RETAIN ALL FIXTURES FOR USE IN EXPANSION AREAS OR DISPOSAL BY OWNER. SPECIFIC ELECTRICAL NOTES

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 PANEL IN BASEMENT 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 ENTIRE BUILDING AND PREPARE FOR RENOVATIONS.





3 <u>DEMOLITION REFLECTED CEILING PLAN_LEVEL 2</u> 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 513.396.8900

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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

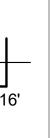
OWNER CITY GOSPEL MISSION



Δ	DESCRIPTION	DATE

ISSUED FOR

PERMIT 06-27-2023 SHEET NAME



DEMOLITION **REFLECTED CEILING** PLANS A1.21

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





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 - 141 GOETHE RENOVATION 141 GOETHE ST CINCINNATI, 45202 ARCX STUDIO PROJECT NUMBER 2301 OWNER CITY GOSPEL MISSION



Δ	DESCRIPTION	DATE

ISSUED FOR









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 <u>NOT</u> INCLUDED IN SCOPE OF WORK.

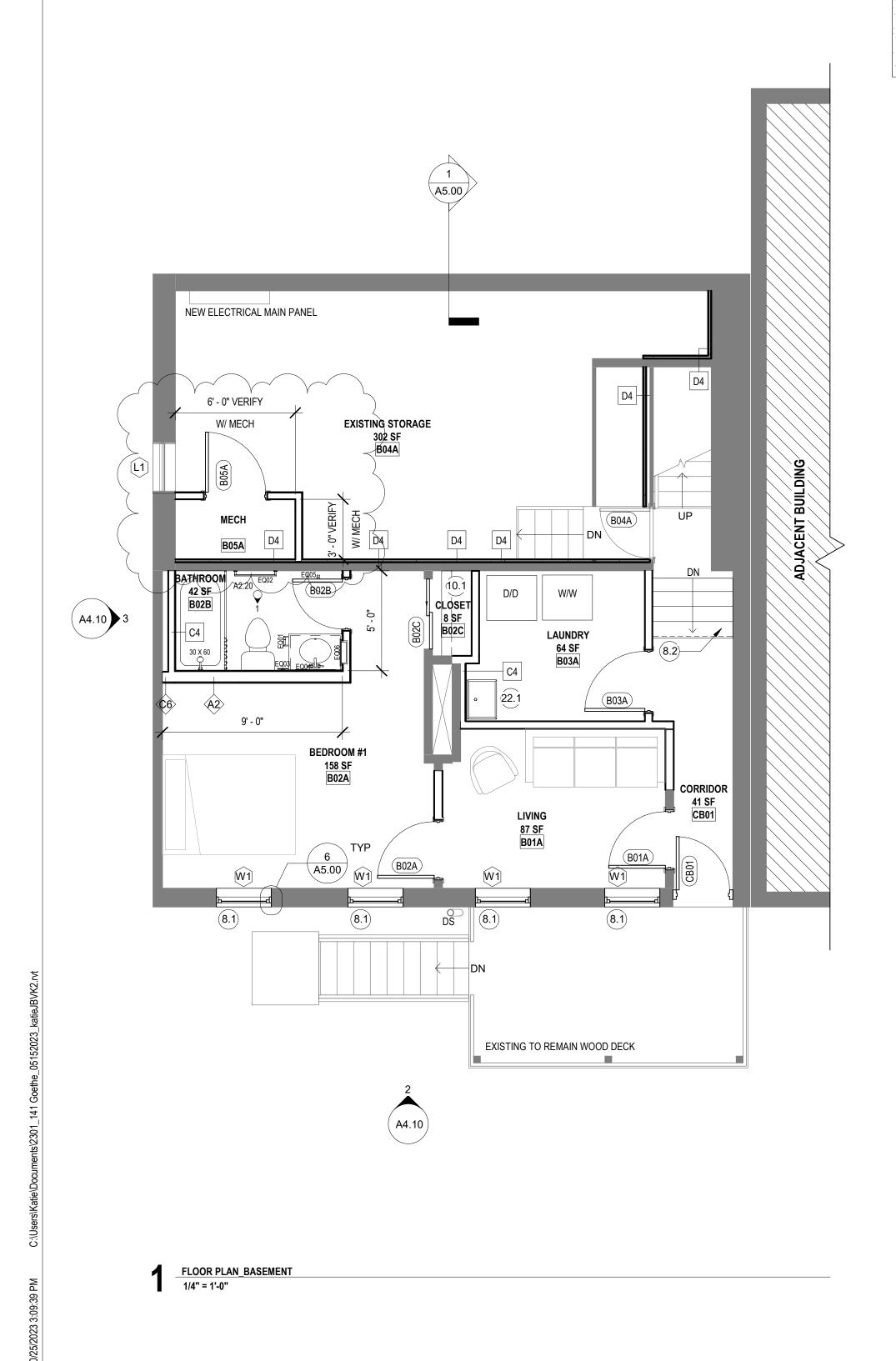
4. DISHWASHERS ARE <u>NOT</u> INCLUDED IN SCOPE OF WORK.

5. APPLIANCES / FIXTURES ARE TO BE ENERGY STAR RATED AND EPA WATERSENSE WHERE APPLICABLE. 6. NOTIFY OWNER OF APPLIANCE LEAD TIMES.

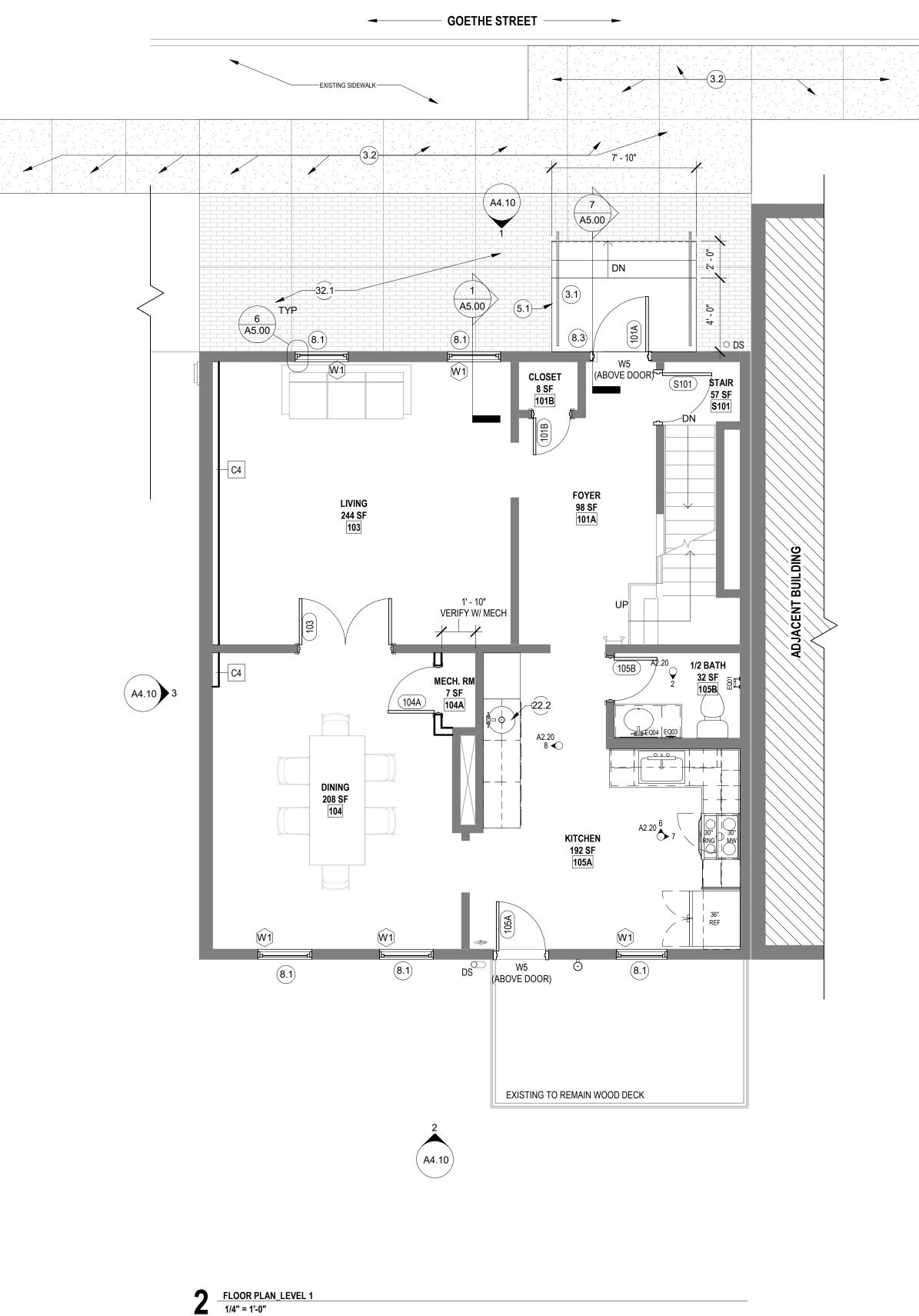
7. WASHING MACHINES AND DRYERS WILL BE OWNER PROVIDED AND CONTRACTOR INSTALLED. ALL OTHER APPLIANCES WILL BE PURCHASED AND INSTALLED BY CONTRACTOR. 8. REFER TO PLANS AND INTERIOR ELEVATIONS FOR QUANTITIES AND LOCATIONS OF APPLIANCES.

9. APPLIANCES SHOULD BE SOURCED FROM THE SAME MANUFACTURER.

APPLIA	NCE SCHEDULE		
<u>CODE</u>	DESCRIPTION	MAKE	MODEL
MW	OVER-THE-RANGE MICROWAVE 30" W, STAINLESS STEEL FINISH, RECIRCULATING	GENERAL ELECTRIC	JVM3160RFSS
REF	REFRIGERATOR 36" W, STANDARD DEPTH, STAINLESS STEEL FINISH BOTTOM DRAWER FREEZER TOP SINGLE DOOR REFRIGERATOR ICE MAKER: REQ'D <u>**VERIFY: THIS REFRIGERATOR IS ASSUMED TO BE</u> PROVIDED BY OWNER / CONTRACTED INSTALLED.**		
RNG	ELECTRIC RANGE 30" W, STAINLESS STEEL FINISH	GENERAL ELECTRIC	JB6FFSKSS



LOCATION	<u>TYPE</u>	R-VALUE	NOTES
MECHANICAL CLOSET WALLS	FIBERGLASS BATTS - ACOUSTIC	R-13 MIN.	FILL STUD CAVITY
BATHROOM WALLS	FIBERGLASS BATTS - ACOUSTIC	R-13 MIN.	FILL STUD CAVITY
PLUMBING CHASE WALLS	FIBERGLASS BATTS STAPLED TO STUDS - ACOUSTIC	R-13 MIN.	PROVIDE PIPE INSULATION
EXISTING 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 ASSEMBLY
UNOCCUPIED ATTIC FLOOR	FIBERGLASS BATTS	R-38 MIN.	INSULATION IN JOIST CAVITY OF ATTIC FLOOR
CEILING B/W BASEMENT/RESIDENTIAL	FIBERGLASS BATTS	R-30	COORD W/ UL ASSEMBLY & FIRE RATING
CEILING OF OCCUPIED ATTIC	CLOSED CELL	R-48 (R-38) MIN.	INSULATION IN JOIST CAVITY (FILL CAVITY)
CEILING B/W BREEZEWAY/OCCUPIED SPACE	FIBERGLASS BATTS	R-30 MIN.	FILL CAVITY
CEILING B/W FLOORS OF SAME RESIDENCE	FIBERGLASS BATTS - ACOUSTIC	R-13 MIN.	
CEILING B/W FLRS OF SEPARATE RESIDENCES	FIBERGLASS BATTS - ACOUSTIC	R-13 MIN.	



	RESTR	OOM / BATHROOM ACCESSORIE	ES	
MAR	K DESCRIPTION	MAKE	MODEL	COMMENTS
EQ01	RESIDENTIAL TOILET TISSUE DISPENSER			MOUNT 18" AFF CENTERLINE
EQ02	24" TOWEL BAR			MOUNT 60" AFF U.N.O.
EQ03	HAND TOWEL RING			MOUNT 56" AFF U.N.O.
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.O MIRROR
EQ08	18" TOWEL BAR			MOUNT 60" AFF CENTERLINE

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, 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'

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 A8 SHEET SERIES FOR FINISH INFORMATION AND SCHEDULES. 19. 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.

20. 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.

21. 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.

CONSTRUCTION KEYNOTES .1 NEW CONCRETE STEPS / LANDING NEW CONCRETE SIDEWALK. REFER CIVIL PLANS. 1.1 STABILIZE STONE WALL AND PROVIDE CONCRETE CAP WITH 1/2" PER FT POSITIVE SLOP. 4.2 REPLACE ROTTED WOOD FRAMING. (ADDITIONAL WOOD ROT REPAIR ANTICIPATED. CONTRACTOR TO PROVIDE ALLOWANCE FOR REPLACING 20% OF EXTERIOR WOOD FRAMING.) 4.3 REMOVE REMNANTS OF PREVIOUS BUILDING'S WALL ADJACENT TO PROJECT. INFORM ARCHITECH OF REMOVAL FOR REMEDIATION GUIDANCE 1 NEW ALUM HANDRAIL, TYPICAL BOTH SIDES. .1 EXISTING TO REMAIN GYP / PLASTER CEILING. PATCH & REPAIR AS REQ'D TO SUPPORT THE NEW WORK. 6.2 REINSTALL DECORATIVE CORBELS 6.3 PROVIDE NEW MDF SHIPLAP WALL PLANK (7.25" X 12') OVER EXTERIOR SHEATHING / VAPOR BARRIER SYS. 6.4 PROVIDE NEW ACCESS PANEL. 3/4" THCK P.T. PLYWOOD, PAINTED. 6.5 PATCH CEILING WHERE WALL RELOCATED. 6.6 PROVIDE 2-HR RATED SOFFIT ENCLOSURE FOR HVAC DUCT. COORD W/ MECH. .1 NEW WINDOW. DOUBLE HUNG; VINYL; INSULATED LOW-E GLAZING. 3.2 INSTALL NEW STAIR TO MATCH WIDER OPENING

8.3 NEW DOOR BELL 8.4 REPLACE DOWNSPOUT. PAINT TO MATCH EXTERIOR CLADDING

9.1 LVT TREADS W/ VINYL RISERS & NOSING 10.1 CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF

CLOSET. 10.2 (5) 14"D WHITE MELAMINE SHELVES

10.3 NEW KNOX BOX 10.4 GLASS SHOWER DOOR SYSTEM

2.1 NEW UTILITY SINK.

22.2 UNDERMOUNT BAR SINK W/ HOT WATER & COLD WATER TAP. 26.1 CENTER THE LIGHT TO THE ROOM. 32.1 PROVIDE ENGRAVED PAVERS W/ DONOR NAMES. (AREA OF DASHED

LINE)



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

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141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION





Δ	DESCRIPTION	DATE
	PERMIT COMMENTS	10-19-2023

ISSUED FOR PERMIT 06-27-2023 SHEET NAME **FLOOR PLANS**



APPLIANCE NOTES 1. 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 <u>NOT</u> INCLUDED IN SCOPE OF WORK.

4. DISHWASHERS ARE <u>NOT</u> INCLUDED IN SCOPE OF WORK.

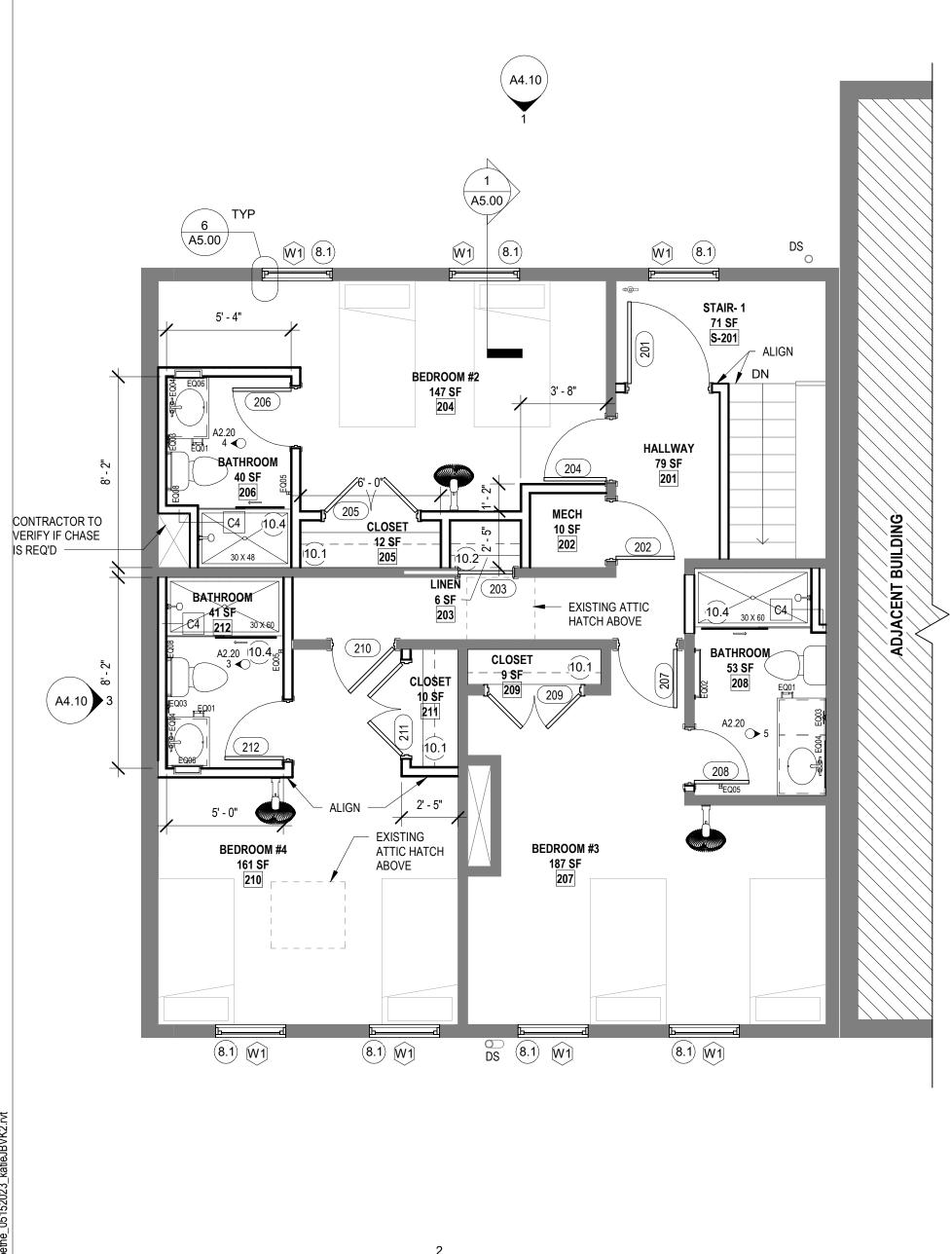
5. APPLIANCES / FIXTURES ARE TO BE ENERGY STAR RATED AND EPA WATERSENSE WHERE APPLICABLE.6. NOTIFY OWNER OF APPLIANCE LEAD TIMES.

7. WASHING MACHINES AND DRYERS WILL BE OWNER PROVIDED AND CONTRACTOR INSTALLED. ALL OTHER 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.

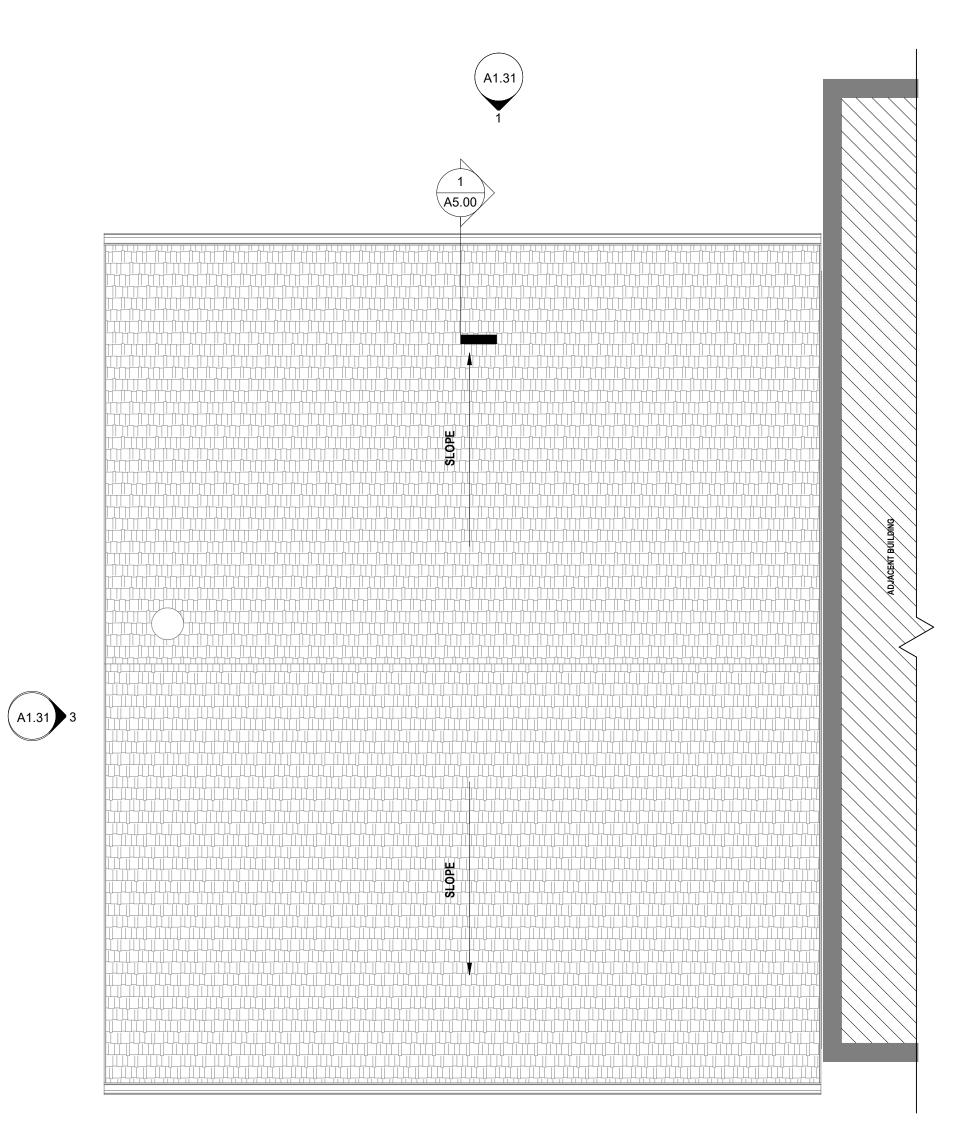
APPLIANCE SCHEDULE				
CODE	DESCRIPTION	MAKE	MODEL	
MW	OVER-THE-RANGE MICROWAVE 30" W, STAINLESS STEEL FINISH, RECIRCULATING	GENERAL ELECTRIC	JVM3160RFSS	
REF	REFRIGERATOR 36" W, STANDARD DEPTH, STAINLESS STEEL FINISH BOTTOM DRAWER FREEZER TOP SINGLE DOOR REFRIGERATOR ICE MAKER: REQ'D <u>**VERIFY: THIS REFRIGERATOR IS ASSUMED TO BE</u> PROVIDED BY OWNER / CONTRACTED INSTALLED.**			
RNG	ELECTRIC RANGE 30" W, STAINLESS STEEL FINISH	GENERAL ELECTRIC	JB6FFSKSS	





FLOOR PLAN_LEVEL 2 1/4" = 1'-0"

INSULATION SCHEDULE			
LOCATION	<u>TYPE</u>	R-VALUE	NOTES
MECHANICAL CLOSET WALLS	FIBERGLASS BATTS - ACOUSTIC	R-13 MIN.	FILL STUD CAVITY
BATHROOM WALLS	FIBERGLASS BATTS - ACOUSTIC	R-13 MIN.	FILL STUD CAVITY
PLUMBING CHASE WALLS	FIBERGLASS BATTS STAPLED TO STUDS - ACOUSTIC	R-13 MIN.	PROVIDE PIPE INSULATION
EXISTING 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 ASSEMBLY
UNOCCUPIED ATTIC FLOOR	FIBERGLASS BATTS	R-38 MIN.	INSULATION IN JOIST CAVITY OF ATTIC FLOOR
CEILING B/W BASEMENT/RESIDENTIAL	FIBERGLASS BATTS	R-30	COORD W/ UL ASSEMBLY & FIRE RATING
CEILING OF OCCUPIED ATTIC	CLOSED CELL	R-48 (R-38) MIN.	INSULATION IN JOIST CAVITY (FILL CAVITY)
CEILING B/W BREEZEWAY/OCCUPIED SPACE	FIBERGLASS BATTS	R-30 MIN.	FILL CAVITY
CEILING B/W FLOORS OF SAME RESIDENCE	FIBERGLASS BATTS - ACOUSTIC	R-13 MIN.	
CEILING B/W FLRS OF SEPARATE RESIDENCES	FIBERGLASS BATTS - ACOUSTIC	R-13 MIN.	
NOTES: COORDINATE ALL W/ FIRE RATING & U.L. PROVIDE R19 MINERAL WOOL BATT. INSULATION			





	RESTROOM /	BATHROOM ACCESSORIE	ËS	
MARK	DESCRIPTION	MAKE	MODEL	COMMENTS
EQ01	RESIDENTIAL TOILET TISSUE DISPENSER			MOUNT 18" AFF CENTERLINE
EQ02	24" TOWEL BAR			MOUNT 60" AFF U.N.O.
EQ03	HAND TOWEL RING			MOUNT 56" AFF U.N.O.
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
EQ08	18" TOWEL BAR			MOUNT 60" AFF CENTERLINE

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, 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. <u>ALL NEW PARTITIONS IN SCOPE OF WORK AREA ARE TYPE 'A1'</u> 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 A8 SHEET SERIES FOR FINISH INFORMATION AND SCHEDULES.

19. 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.

20. 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.

21. 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.

CONSTRUCTION KEYNOTES .1 NEW CONCRETE STEPS / LANDING NEW CONCRETE SIDEWALK. REFER CIVIL PLANS. 1.1 STABILIZE STONE WALL AND PROVIDE CONCRETE CAP WITH 1/2" PER FT POSITIVE SLOP. 4.2 REPLACE ROTTED WOOD FRAMING. (ADDITIONAL WOOD ROT REPAIR ANTICIPATED. CONTRACTOR TO PROVIDE ALLOWANCE FOR REPLACING 20% OF EXTERIOR WOOD FRAMING.) 4.3 REMOVE REMNANTS OF PREVIOUS BUILDING'S WALL ADJACENT TO PROJECT. INFORM ARCHITECH OF REMOVAL FOR REMEDIATION GUIDANCE 1 NEW ALUM HANDRAIL, TYPICAL BOTH SIDES. .1 EXISTING TO REMAIN GYP / PLASTER CEILING. PATCH & REPAIR AS REQ'D TO SUPPORT THE NEW WORK. 6.2 REINSTALL DECORATIVE CORBELS 6.3 PROVIDE NEW MDF SHIPLAP WALL PLANK (7.25" X 12') OVER EXTERIOR SHEATHING / VAPOR BARRIER SYS. 6.4 PROVIDE NEW ACCESS PANEL. 3/4" THCK P.T. PLYWOOD, PAINTED. 6.5 PATCH CEILING WHERE WALL RELOCATED. 6.6 PROVIDE 2-HR RATED SOFFIT ENCLOSURE FOR HVAC DUCT. COORD W/ MECH. .1 NEW WINDOW. DOUBLE HUNG; VINYL; INSULATED LOW-E GLAZING. 8.2 INSTALL NEW STAIR TO MATCH WIDER OPENING 8.3 NEW DOOR BELL 8.4 REPLACE DOWNSPOUT. PAINT TO MATCH EXTERIOR CLADDING 9.1 LVT TREADS W/ VINYL RISERS & NOSING 10.1 CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF CLOSET. 10.2 (5) 14"D WHITE MELAMINE SHELVES 10.3 NEW KNOX BOX

22.2 UNDERMOUNT BAR SINK W/ HOT WATER & COLD WATER TAP.

32.1 PROVIDE ENGRAVED PAVERS W/ DONOR NAMES. (AREA OF DASHED

10.4 GLASS SHOWER DOOR SYSTEM

26.1 CENTER THE LIGHT TO THE ROOM.

2.1 NEW UTILITY SINK.

LINE)

[-----]

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



ARCHITECT & INTERIOR DESIGN ARCX STUDIO FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202

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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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER
2301

OWNER CITY GOSPEL MISSION





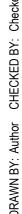
Δ	DESCRIPTION	DATE

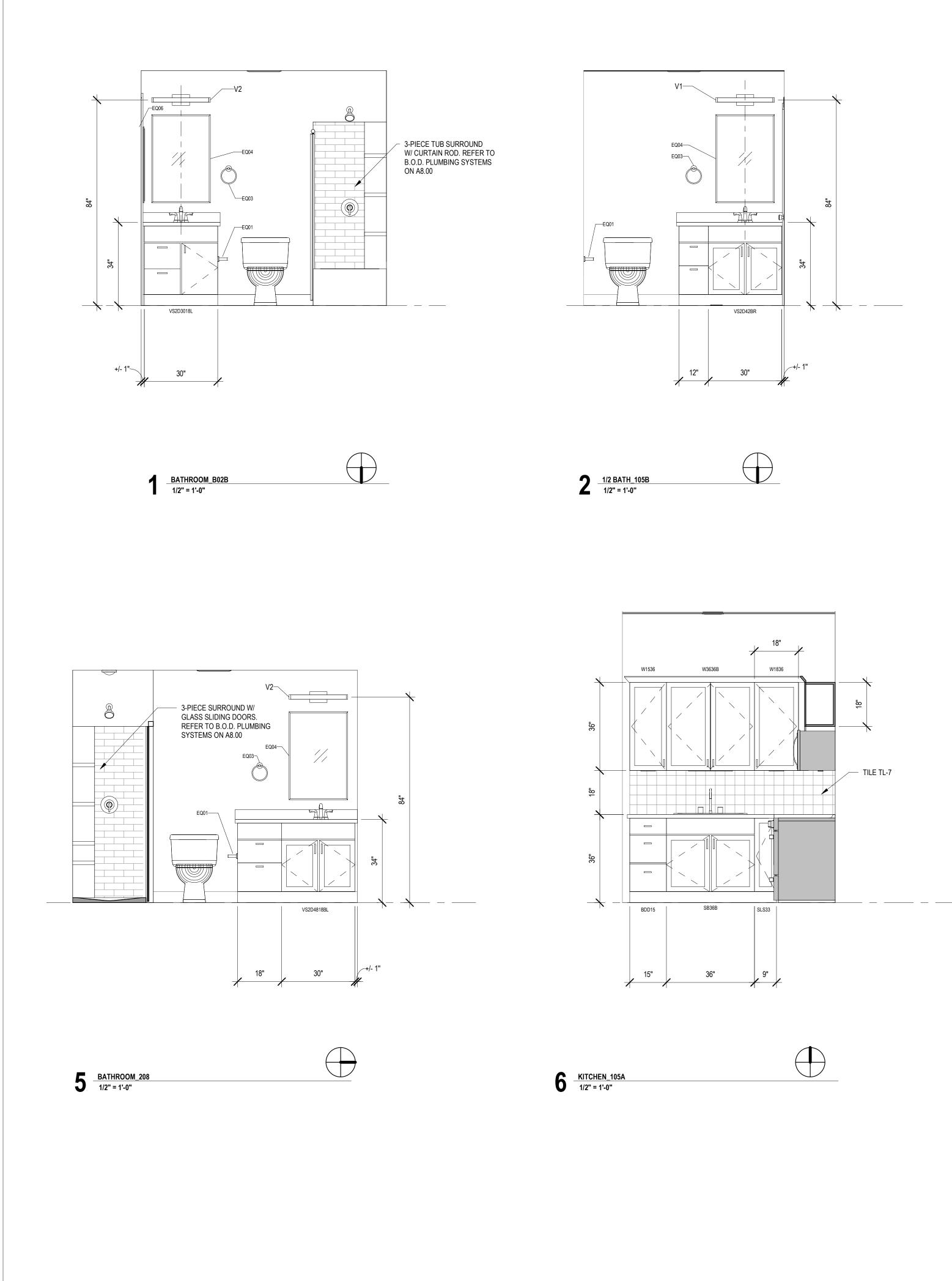
ISSUED FOR PERMIT 06-27-2023 SHEET NAME FLOOR PLANS



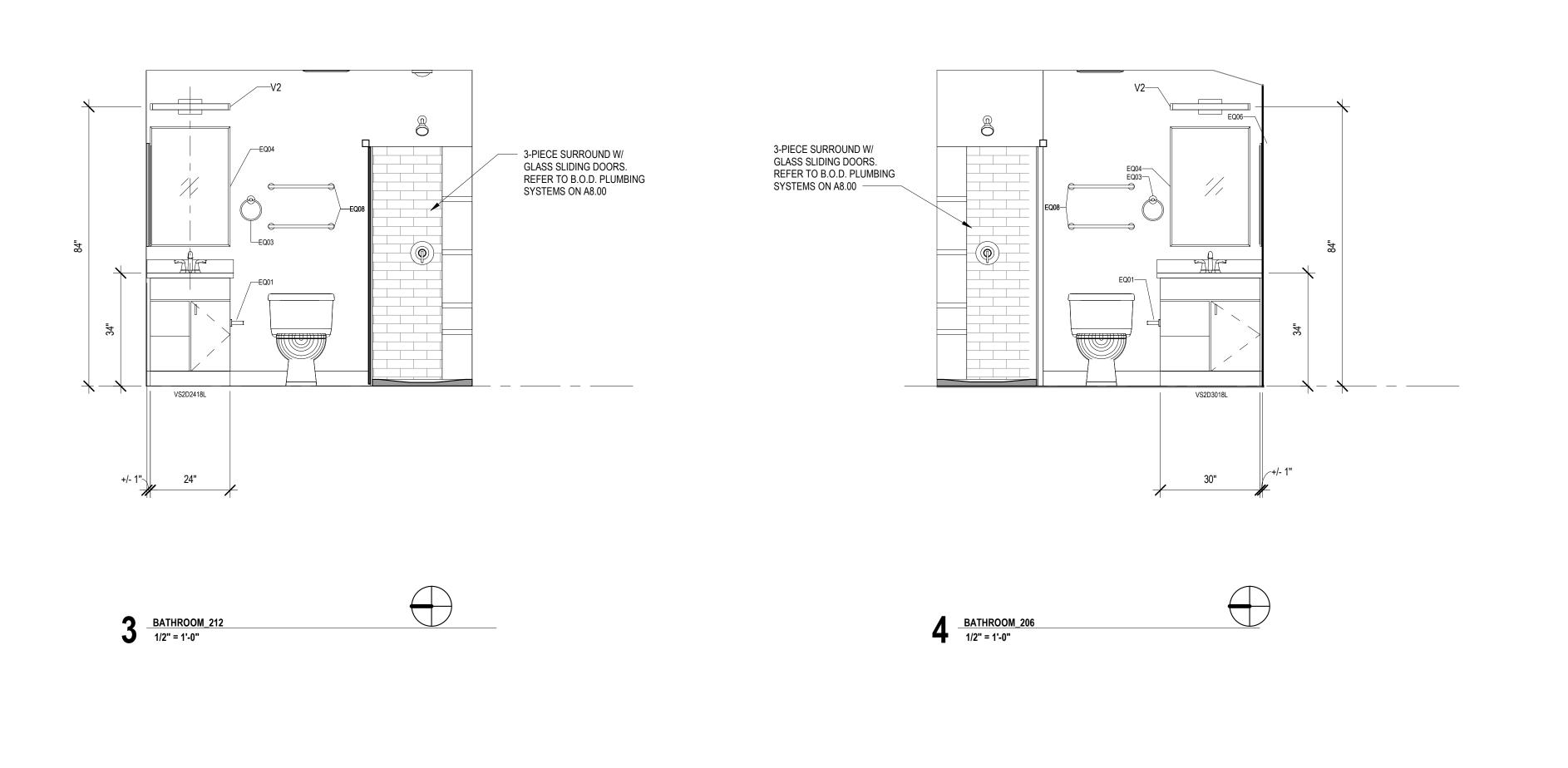


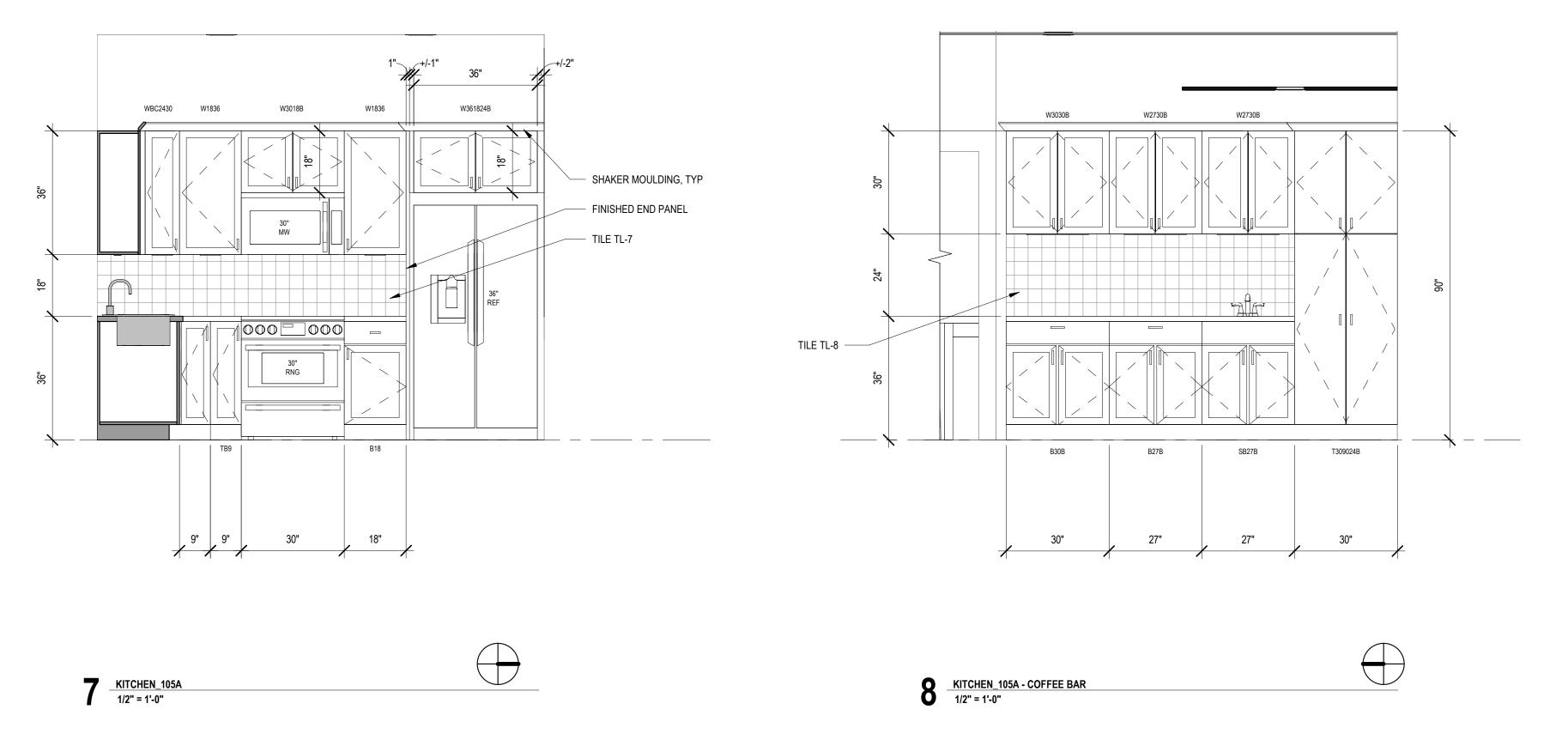












RESIDENTIAL BATHROOM ACCESSORIES 1. BATHROOM ACCESSORIES ARE CONTRACTOR PROVIDED / CONTRACTOR INSTALLED.

2. PROVIDE ALLOWANCE FOR BATHROOM ACCESSORIES AS SHOWN ON FLOOR PLANS AND INTERIOR ELEVATIONS.

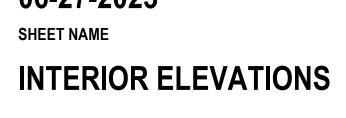
3. MAKE / COLLECTION / MODEL / FINISH IS TO BE DETERMINED.

	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 U.N.O.
EQ03	HAND TOWEL RING			MOUNT 56" AFF U.N.O.
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
EQ08	18" TOWEL BAR			MOUNT 60" AFF CENTERLINE

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



SHEET NO.



06-27-2023

PERMIT

ISSUED FOR

DATE

REVISION

△ DESCRIPTION



141 GOETHE ST CINCINNATI, 45202

HTCTC - 141 GOETHE RENOVATION

ARCX STUDIO PROJECT NUMBER

2301 OWNER CITY GOSPEL MISSION



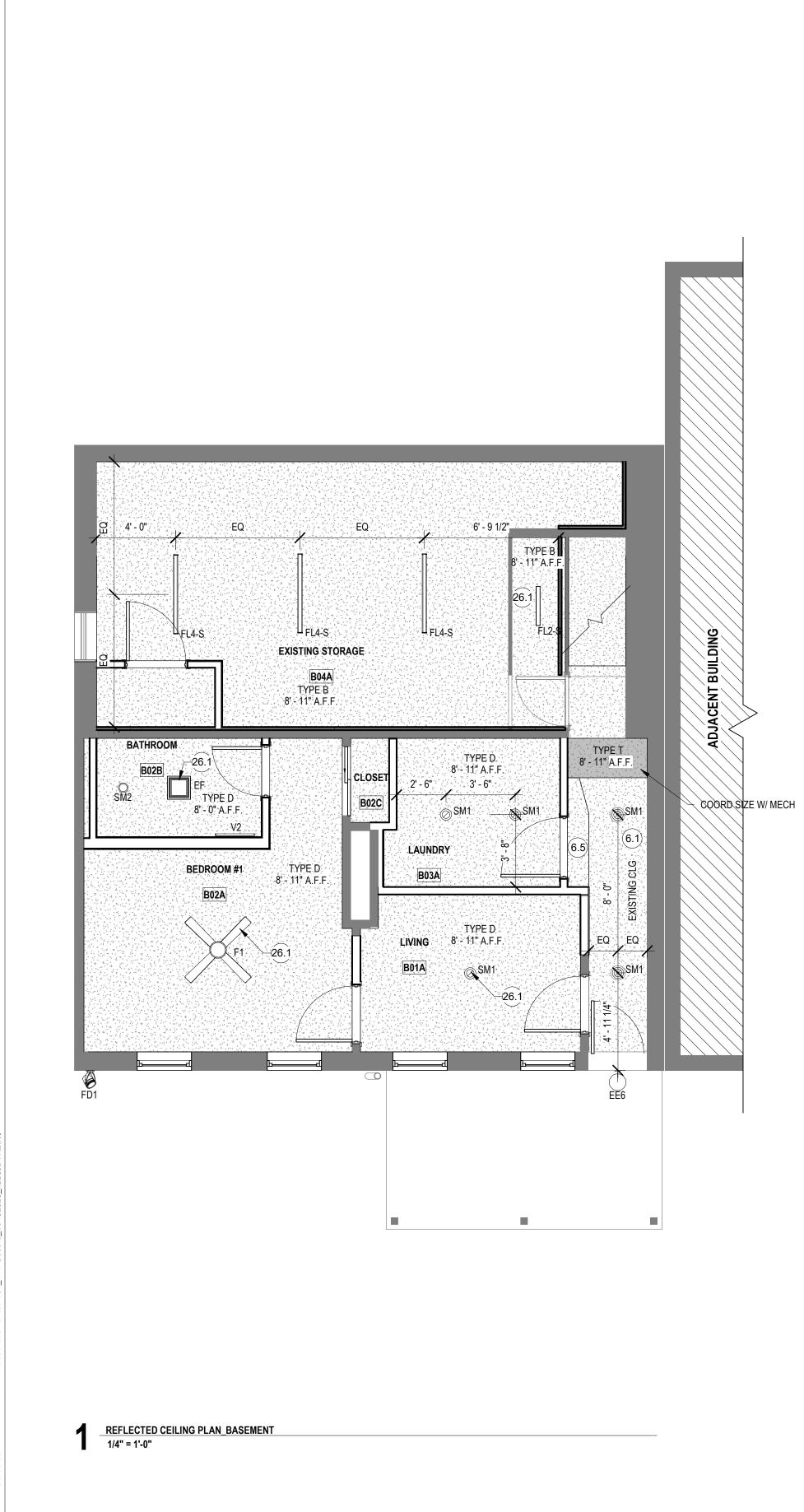
ARCHITECT & INTERIOR DESIGN

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

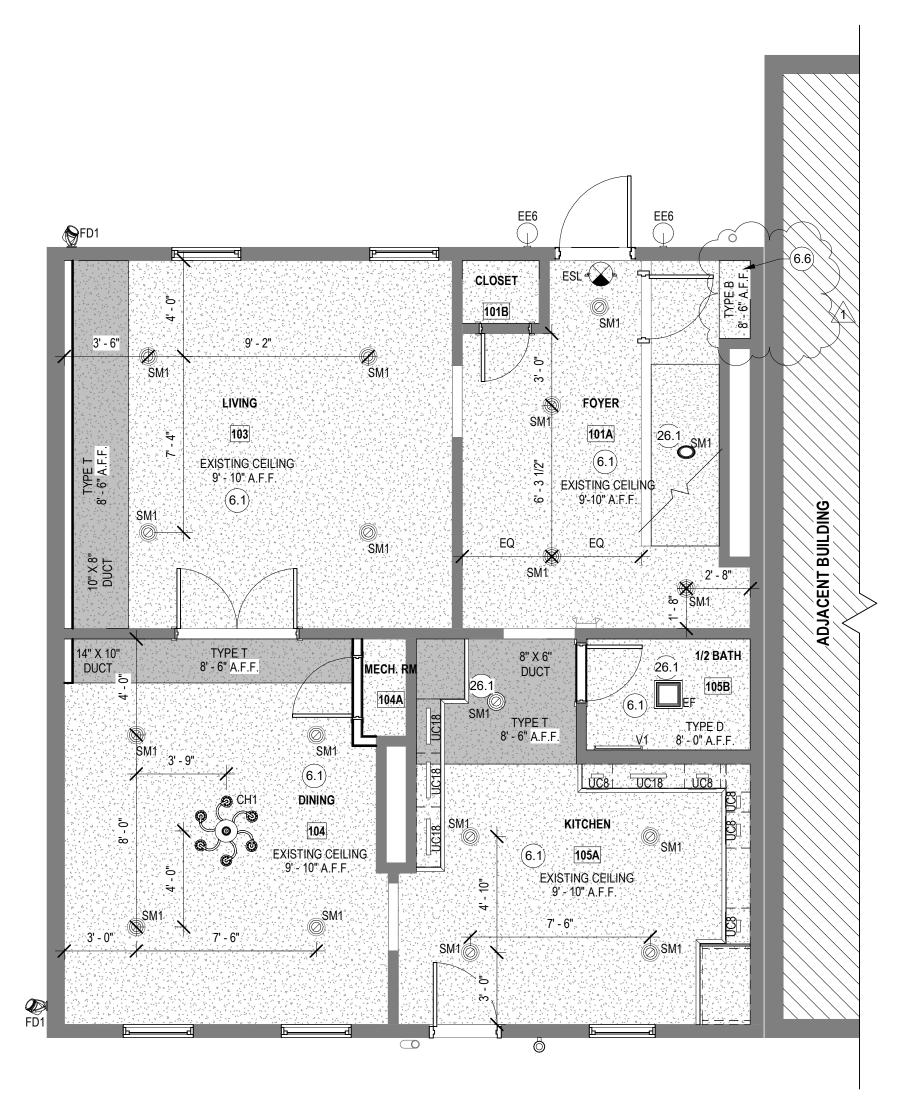
STRUCTURAL ENGINEER

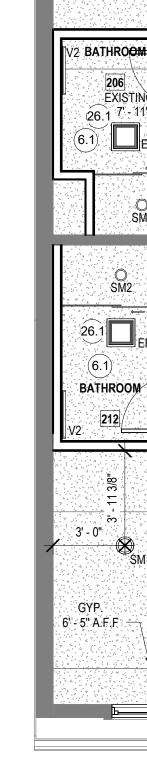
ARCX STUDIO

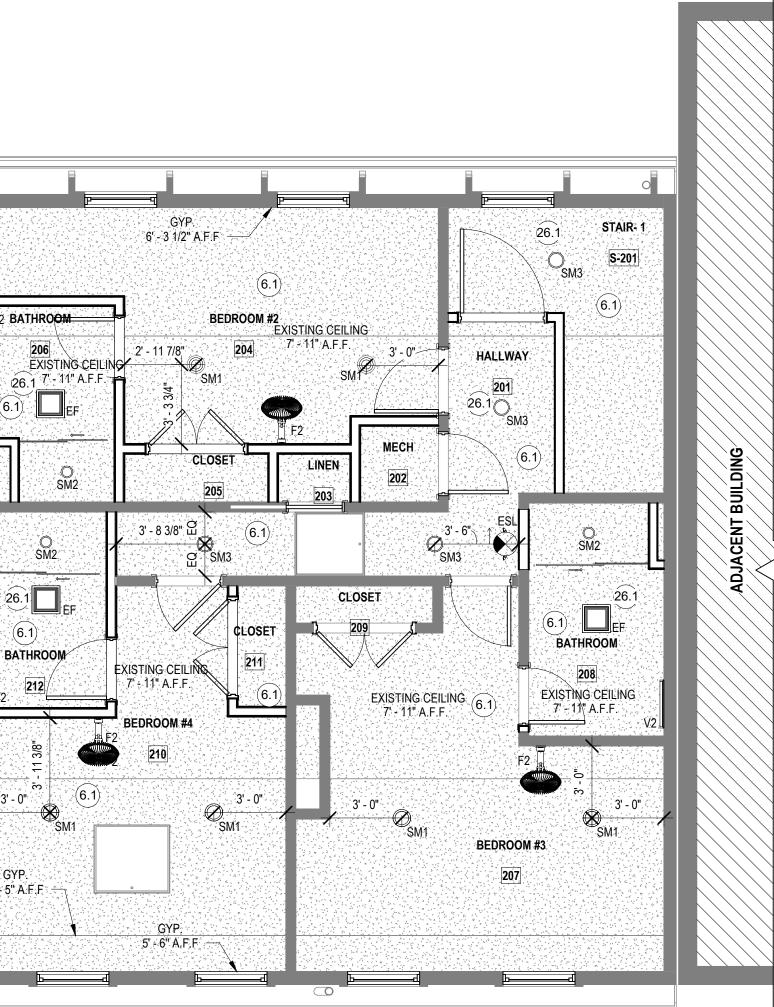




NOTE: L	GHT FIXTURES HAVE NOT BEEN REVIEWED I	BY OWNERSHIP BUT ARE LISTE	D AS BASIS OF DESIGN FOR PRELIMINARY PRICING PURPOSES.			
			LIGHT FIXTURE SCHEDULE			
MARK	FIXTURE NAME	MANUFACTURER	MODEL	COLOR / FINISH	CONTACT	MOUNTING HEIGHT / REMARKS
CH1	DECORATIVE CHANDELIER	TBD	TBD			
EE6	EXTERIOR DECORATIVE WALL LIGHT	BASELITE	SPC14-SSP-WM14X-LED12W-30K-LDMO-10V-BA6	VERIFY		
EE7	REUSE CYLINDRICAL UP/ DOWN	LITON	WD1360-DG-L20-B02-UE-DUN-T35			USE FIXTURE FROM NEW BUILDING ATTIC STOCK. LOCATE IN SAME LOCATION AS EXISTING FIXTUTE.
EF	EXHAUST FAN - REFER TO MECH					
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			
F2	WALL MOUNTED OSCILLATING FAN	CRAFTMADE	14" BELLOWS HARD-WIRED INDOOR / OUTDOOR FAN BW116AG3-HW			
FD1	FLOOD LIGHT	SUNLITE	DUAL HEAD W/ MOTION SENSOR; 88907-SU LFX/OSF/R/MS/20W/50K/BK			
FL2-S	SUSPENDED LED STRIP LIGHT	LITHONIA LIGHTING	MNSL L23 1LL MVOLT 40K 80 CRI M6			
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			
SM3	7" JUNO SLIMFORM LE SURFACE MOUNT DOWNLIGHT	JSF LIGHTING	JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH			
UC8	UNDERCABINET LIGHT	WAC LIGHTING	120 3-CCT BARLIGHT BA-AC08-CS 35K-90-WH			
UC18	UNDERCABINET LIGHT	WAC LIGHTING	120V 3-CCT BARLIGHT BA-AC18-CS 35K-90-WH			
V1	VANITY LIGHT	SHADES OF LIGHT	VERSATILE VANITY LIGHT - 1 LIGHT SKU: BS18161 AB AGED BRASS			
V2	VANITY LIGHT	SHADES OF LIGHT	VERSATILE VANITY LIGHT - 2 LIGHT. SKU: BS18162 AB AGED BRASS			







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, 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'

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 A8 SHEET SERIES FOR FINISH INFORMATION AND

SCHEDULES.

19. 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.

20. 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.

21. 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.

	CONSTRUCTION KEYNOTES
3.1	NEW CONCRETE STEPS / LANDING
3.2	NEW CONCRETE SIDEWALK. REFER CIVIL PLANS.
4.1	STABILIZE STONE WALL AND PROVIDE CONCRETE CAP WITH 1/2" PER FT POSITIVE SLOP.
4.2	REPLACE ROTTED WOOD FRAMING. (ADDITIONAL WOOD ROT REPAIR ANTICIPATED. CONTRACTOR TO PROVIDE ALLOWANCE FOR REPLACING 20% OF EXTERIOR WOOD FRAMING.)
4.3	REMOVE REMNANTS OF PREVIOUS BUILDING'S WALL ADJACENT TO PROJECT. INFORM ARCHITECH OF REMOVAL FOR REMEDIATION GUIDANCE
5.1	NEW ALUM HANDRAIL, TYPICAL BOTH SIDES.
6.1	EXISTING TO REMAIN GYP / PLASTER CEILING. PATCH & REPAIR AS REQ'D TO SUPPORT THE NEW WORK.
6.2	REINSTALL DECORATIVE CORBELS
6.3	PROVIDE NEW MDF SHIPLAP WALL PLANK (7.25" X 12') OVER EXTERIOR SHEATHING / VAPOR BARRIER SYS.
6.4	PROVIDE NEW ACCESS PANEL. 3/4" THCK P.T. PLYWOOD, PAINTED.
6.5	PATCH CEILING WHERE WALL RELOCATED.
6.6	PROVIDE 2-HR RATED SOFFIT ENCLOSURE FOR HVAC DUCT. COORD W/ MECH.
8.1	NEW WINDOW. DOUBLE HUNG; VINYL; INSULATED LOW-E GLAZING.
8.2	INSTALL NEW STAIR TO MATCH WIDER OPENING
8.3	NEW DOOR BELL
8.4	REPLACE DOWNSPOUT. PAINT TO MATCH EXTERIOR CLADDING
9.1	LVT TREADS W/ VINYL RISERS & NOSING
10.1	CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF CLOSET.
10.2	(5) 14"D WHITE MELAMINE SHELVES
10.3	NEW KNOX BOX
10.4	GLASS SHOWER DOOR SYSTEM
22.1	NEW UTILITY SINK.
22.2	UNDERMOUNT BAR SINK W/ HOT WATER & COLD WATER TAP.
26.1	

LINE)

REFLECTED CEILING PLAN_LEVEL 2 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 513.396.8900

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141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION

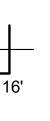




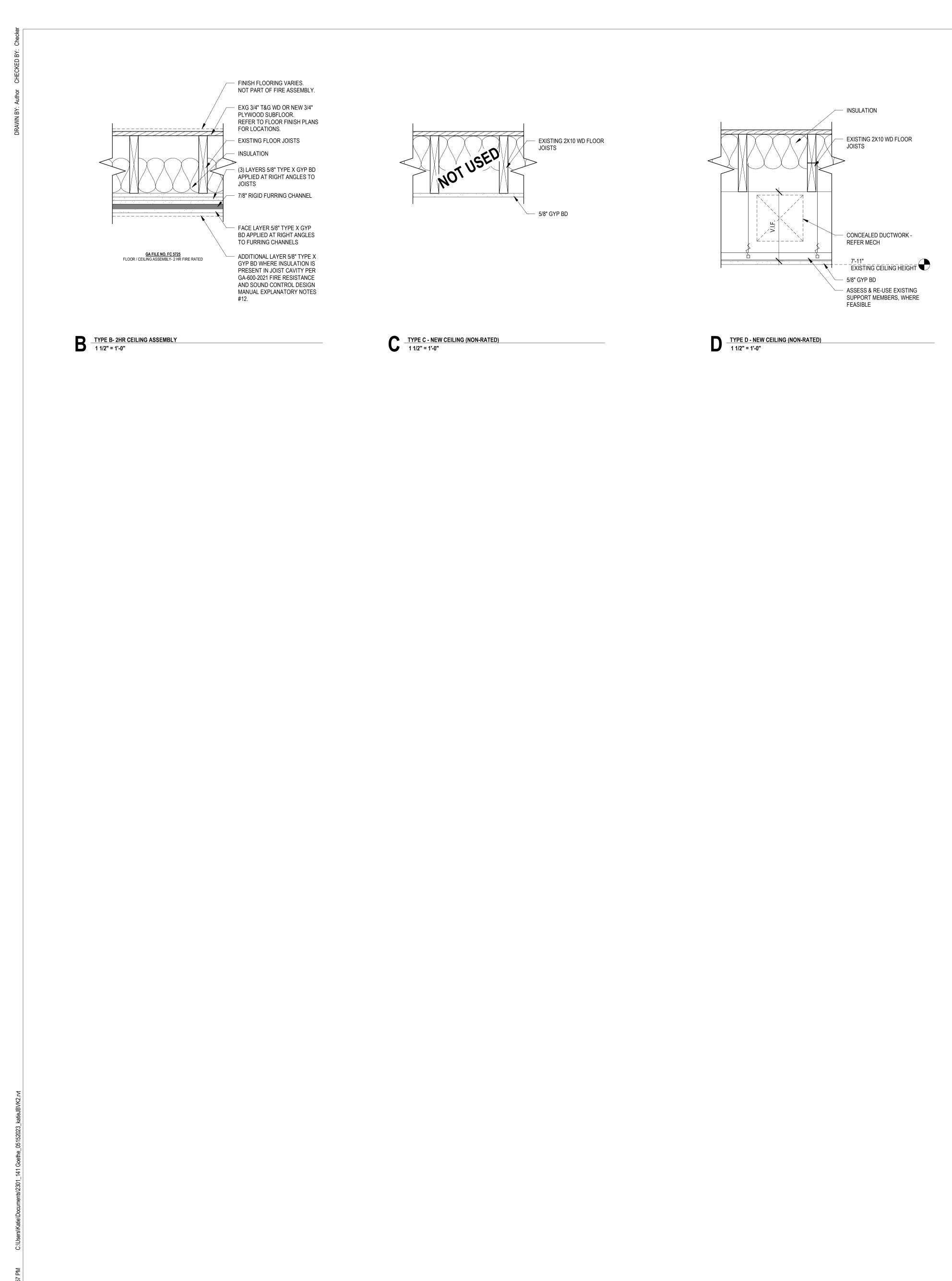
Δ	DESCRIPTION	DATE
	PERMIT COMMENTS	10-19-2023
		10-13-2023

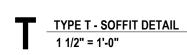
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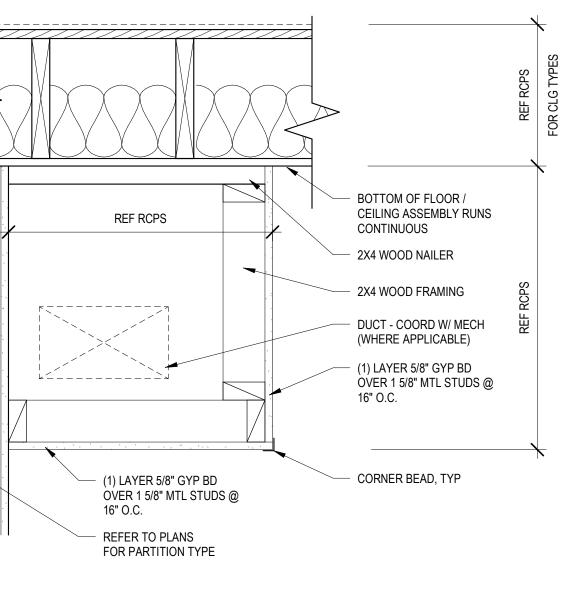
A3.01













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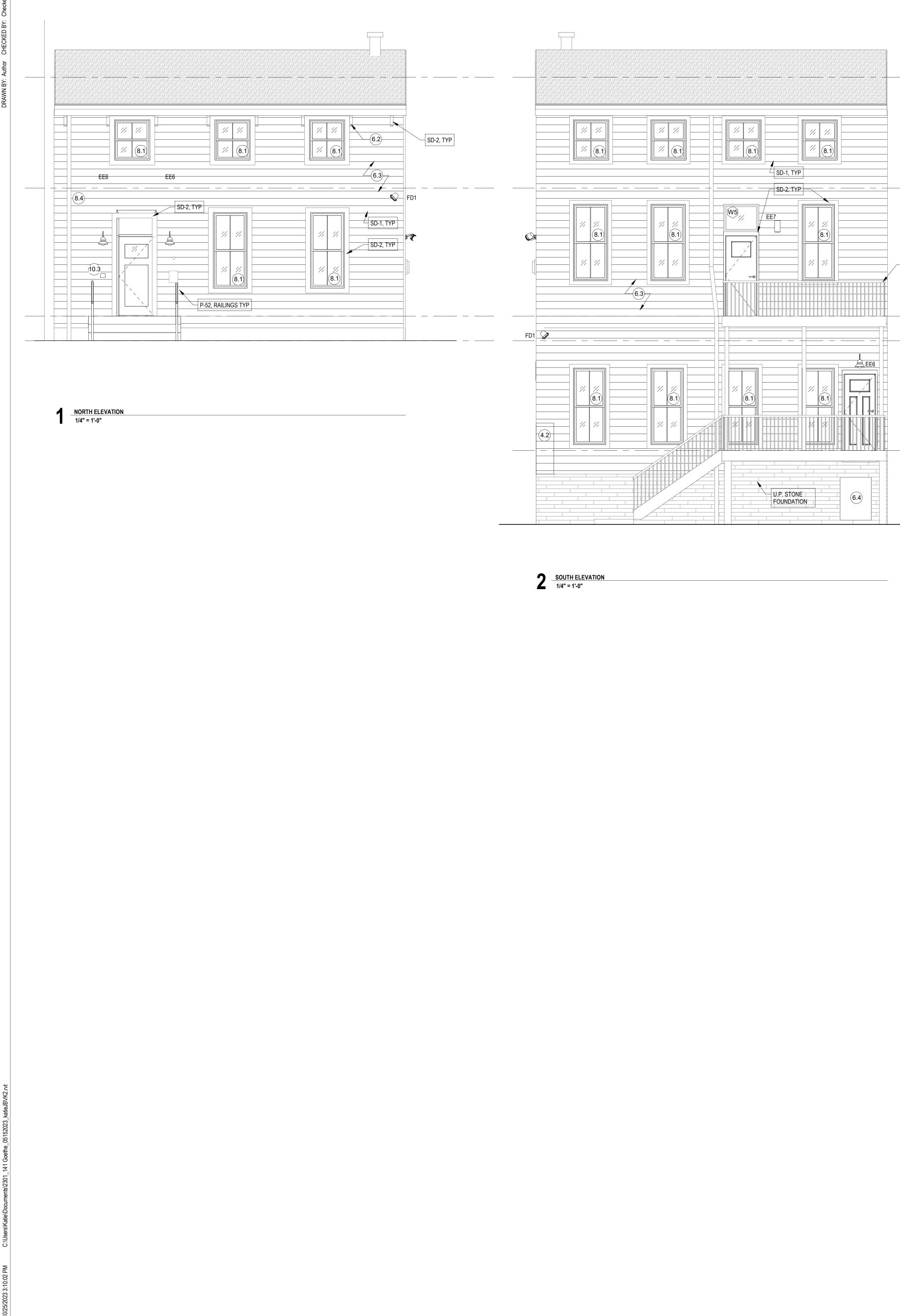
REVISION

Δ	DESCRIPTION	DATE

ISSUED FOR

PERMIT 06-27-2023 SHEET NAME **CEILING DETAILS**





_ ___ _ _ _ _ _ _ _ _ U.P. WOOD DECK / RAILINGS

3 <u>WEST ELEVATION</u> 1/4" = 1'-0"

CH1 DECORATIVE CHANDELIER TBD TBD TBD TBD EE6 EXTERIOR DECORATIVE WALL LIGHT BASELITE SPC14-SSP-WM14X-LED12W-30K-LDMO-10V-BA6 VERIFY EE7 REUSE CYLINDRICAL UP/ DOWN LITON WD1360-DG-L20-B02-UE-DUN-T35 USE FIP BUILDIN IN SAM EF EXHAUST FAN - REFER TO MECH E E ESL EMERGENCY LIGHTING/ EXIT SIGN COMBO LITHONIA LIGHTING ECRG HO RD M6 E F1 CELING FAN WITH LIGHT KIT RP LIGHTING ALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL CONTROL CONTROL F2 WALL MOUNTED OSCILLATING FAN CRAFTMADE 14* BELLOWS HARD-WIRED INDOOR / OUTDOOR FAN BW116AG3-HW BW116AG3-HW FD1 FLOOD LIGHT SUNLITE DUAL HEAD WI MOTION SENSOR; 88907-SU LFX/OSF/R/MS/20W/S0K/BK E FL2-S SUSPENDED LED STRIP LIGHT LITHONIA LIGHTING MNSL L23 1LL MVOLT 40K 80 CRI M6 E FL4-S SUSPENDED LED STRIP LIGHT LITHONIA LIGHTING CSS L484 AL03 MVOLT SWW3 80CRI E SM1 8''SURFACE MOUNT DISC LIGHT AFX LIGHTING EGRP08LAJD1WH E E SM2 6''SURFACE MOUNT DISC LIGHT AFX LIGHTING EGRP08LAJD1W	
EE6EXTERIOR DECORATIVE WALL LIGHTBASELITESPC14-SSP-WM14X-LED12W-30K-LDMO-10V-BA6VERIFYEE7REUSE CYLINDRICAL UP/ DOWNLITONWD1360-DG-L20-B02-UE-DUN-T35USE FD BUILDIN N SAM FIXTUTEFEXHAUST FAN - REFER TO MECHESLEMERGENCY LIGHTING/ EXIT SIGN COMBOLITHONIA LIGHTINGECRG HO RD M6F1CEILING FAN WITH LIGHT KITRP LIGHTINGALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL CONTROLF2WALL MOUNTED OSCILLATING FANCRAFTMADE14" BELLOWS HARD-WIRED INDOOR / OUTDOOR FAN BW116AG3-HWFD1FLOOD LIGHTSUNLITEDUAL HEAD W/ MOTION SENSOR; 88907-SU LFX/OSF/RMS/20W/50K/BKFL2-SSUSPENDED LED STRIP LIGHTLITHONIA LIGHTINGCSS L484 AL03 MVOLT SWW3 80CRISM18" SURFACE MOUNT DISC LIGHTAFX LIGHTINGEGRF08LAJD1WHSM26" SURFACE MOUNT DISC LIGHTAFX LIGHTINGEGRF08LAJD1WHSM37" JUNO SLIMFORM LE SURFACE MOUNTJSF-TIN-10LM-30K-90CRI-MVOLT ZT-WH	JNTING HEIGHT / REMARKS
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EFEXHAUST FAN - REFER TO MECHECRG HO RD M6ESLESLEMERGENCY LIGHTING/ EXIT SIGN COMBOLITHONIA LIGHTINGECRG HO RD M6Image: Control of the	
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F1CEILING FAN WITH LIGHT KITRP LIGHTINGALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL CONTROLImage: Control control control control control control control controlF2WALL MOUNTED OSCILLATING FANCRAFTMADE14" BELLOWS HARD-WIRED INDOOR / OUTDOOR FAN BW116AG3-HWImage: Control con	
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FL4-SSUSPENDED LED STRIP LIGHTLITHONIA LIGHTINGCSS L484 AL03 MVOLT SWW3 80CRIImage: Constraint of the systemSM18" SURFACE MOUNT DISC LIGHTAFX LIGHTINGEGRF08LAJD1WHImage: Constraint of the systemImage: Constraint of the systemSM26" SURFACE MOUNT DISC LIGHTAFX LIGHTINGEGRF06LAJD1WHImage: Constraint of the systemImage: Constraint of the systemSM37" JUNO SLIMFORM LE SURFACE MOUNTJSF LIGHTINGJSF-7IN-10LM-30K-90CRI-MVOLT ZT-WHImage: Constraint of the system	
SM1 8" SURFACE MOUNT DISC LIGHT AFX LIGHTING EGRF08LAJD1WH Image: Constant of the c	
SM2 6" SURFACE MOUNT DISC LIGHT AFX LIGHTING EGRF06LAJD1WH SM3 7" JUNO SLIMFORM LE SURFACE MOUNT JSF LIGHTING JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH	
SM3 7" JUNO SLIMFORM LE SURFACE MOUNT JSF LIGHTING JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH	
DOWNLIGHT	
UC8 UNDERCABINET LIGHT WAC LIGHTING 120 3-CCT BARLIGHT BA-AC08-CS 35K-90-WH	
UC18 UNDERCABINET LIGHT WAC LIGHTING 120V 3-CCT BARLIGHT BA-AC18-CS 35K-90-WH	
V1 VANITY LIGHT SHADES OF LIGHT VERSATILE VANITY LIGHT - 1 LIGHT SKU: BS18161 AB AGED BRASS	
V2 VANITY LIGHT SHADES OF LIGHT VERSATILE VANITY LIGHT - 2 LIGHT. SKU: BS18162 AB AGED BRASS	

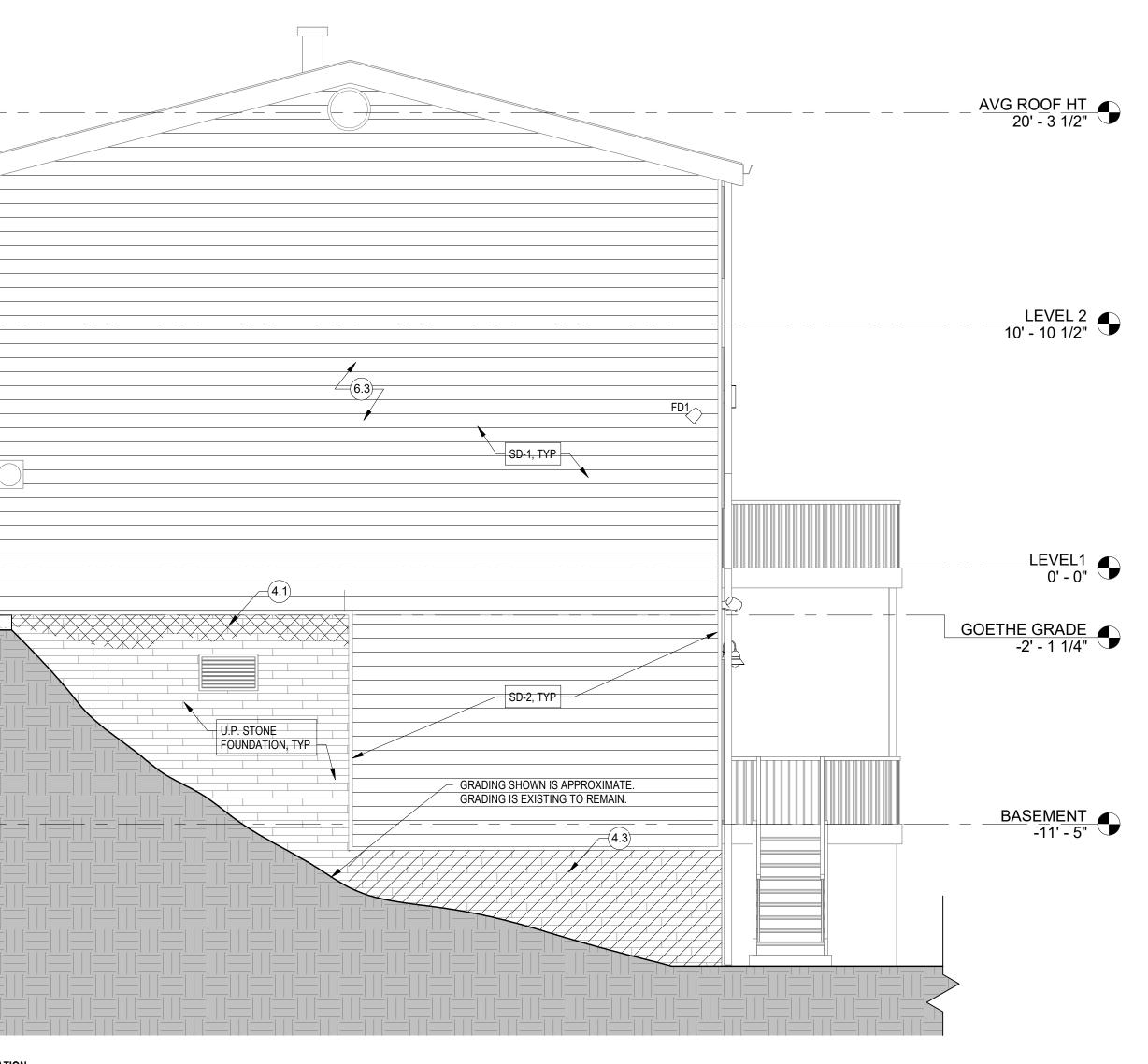
GENERAL EXTERIOR FINISH NOTES

EXTERIOR SIDING & TRIM NOTES

1. XXX PAINT PRODUCTS

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

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 S/G 4216 SERIES (ACRYLIC)



NOTE: LIGHT FIXTURES HAVE NOT BEEN REVIEWED BY OWNERSHIP BUT ARE LISTED AS BASIS OF DESIGN FOR PRELIMINARY PRICING PURPOSES.

	EXTERIOR MA	TERIAL CODE LIST	
	CODE	DESCRIPTION	
	EXTERIOR PAINT		
	P-45 (FRONT DOOR)	SHERWIN WILLIAMS COLOR TBD FINISH: SATIN	
	P-26 (ACCENT / TRIM)	SHERWIN WILLIAMS COLOR TBD FINISH: MATTE	
LUS WB ACRYLIC	P-52 (RAILINGS)	SHERWIN WILLIAMS COLOR TBD	
	MISC		
	SD-1 (PLANKS)	HARDIE PLANK, SELECT CEDARMILL COLOR: IRON GRAY	
	SD-2 (TRIM)	HARDIE TRIM COLOR: ARCTIC WHITE	
	U.P.	UN-PAINTED	

	CONSTRUCTION KEYNOTES
3.1	NEW CONCRETE STEPS / LANDING
3.2	NEW CONCRETE SIDEWALK. REFER CIVIL PLANS.
4.1	STABILIZE STONE WALL AND PROVIDE CONCRETE CAP WITH 1/2" PER FT POSITIVE SLOP.
4.2	REPLACE ROTTED WOOD FRAMING. (ADDITIONAL WOOD ROT REPAIR ANTICIPATED. CONTRACTOR TO PROVIDE ALLOWANCE FO REPLACING 20% OF EXTERIOR WOOD FRAMING.)
4.3	REMOVE REMNANTS OF PREVIOUS BUILDING'S WALL ADJACENT 1 PROJECT. INFORM ARCHITECH OF REMOVAL FOR REMEDIATION GUIDANCE
5.1	NEW ALUM HANDRAIL, TYPICAL BOTH SIDES.
6.1	EXISTING TO REMAIN GYP / PLASTER CEILING. PATCH & REPAIR A REQ'D TO SUPPORT THE NEW WORK.
6.2	REINSTALL DECORATIVE CORBELS
6.3	PROVIDE NEW MDF SHIPLAP WALL PLANK (7.25" X 12') OVER EXTERIOR SHEATHING / VAPOR BARRIER SYS.
6.4	PROVIDE NEW ACCESS PANEL. 3/4" THCK P.T. PLYWOOD, PAINTEE
6.5	PATCH CEILING WHERE WALL RELOCATED.
6.6	PROVIDE 2-HR RATED SOFFIT ENCLOSURE FOR HVAC DUCT. COO W/ MECH.
8.1	NEW WINDOW. DOUBLE HUNG; VINYL; INSULATED LOW-E GLAZING
8.2	INSTALL NEW STAIR TO MATCH WIDER OPENING
8.3	NEW DOOR BELL
8.4	REPLACE DOWNSPOUT. PAINT TO MATCH EXTERIOR CLADDING
9.1	LVT TREADS W/ VINYL RISERS & NOSING
10.1	CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF CLOSET.

10.2 (5) 14"D WHITE MELAMINE SHELVES

10.3 NEW KNOX BOX 10.4 GLASS SHOWER DOOR SYSTEM

22.1 NEW UTILITY SINK.

22.2 UNDERMOUNT BAR SINK W/ HOT WATER & COLD WATER TAP. 26.1 CENTER THE LIGHT TO THE ROOM.

32.1 PROVIDE ENGRAVED PAVERS W/ DONOR NAMES. (AREA OF DASHED LINE)



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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION

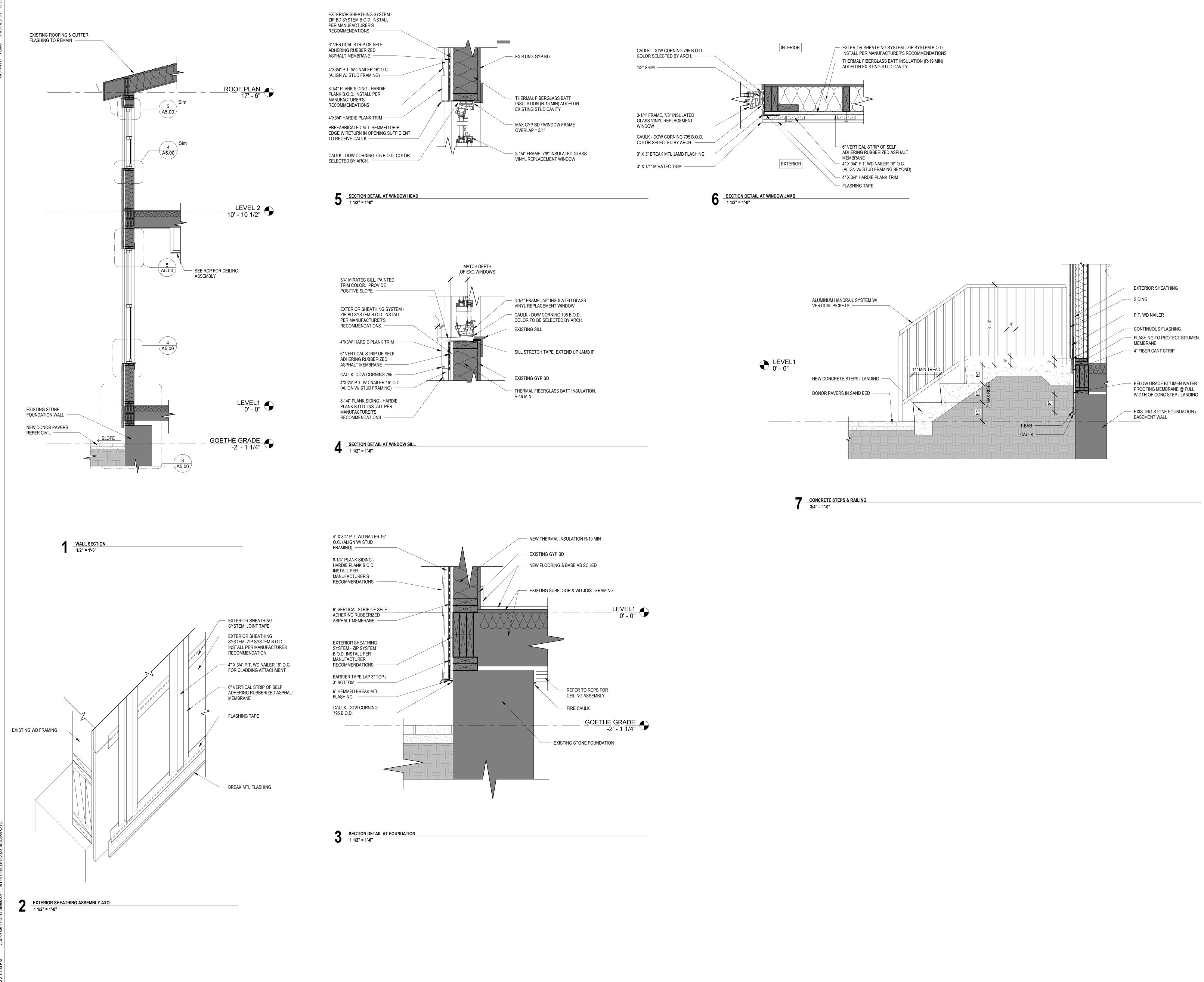


DESCRIPTION	
 	DAT

ISSUED FOR PERMIT 06-27-2023 SHEET NAME **BUILDING ELEVATIONS**











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

HTCTC - 141 GOETHE

RENOVATION

141 GOETHE ST CINCINNATI, 45202

859.261.0585

ARCX STUDIO PROJECT NUMBER 2301

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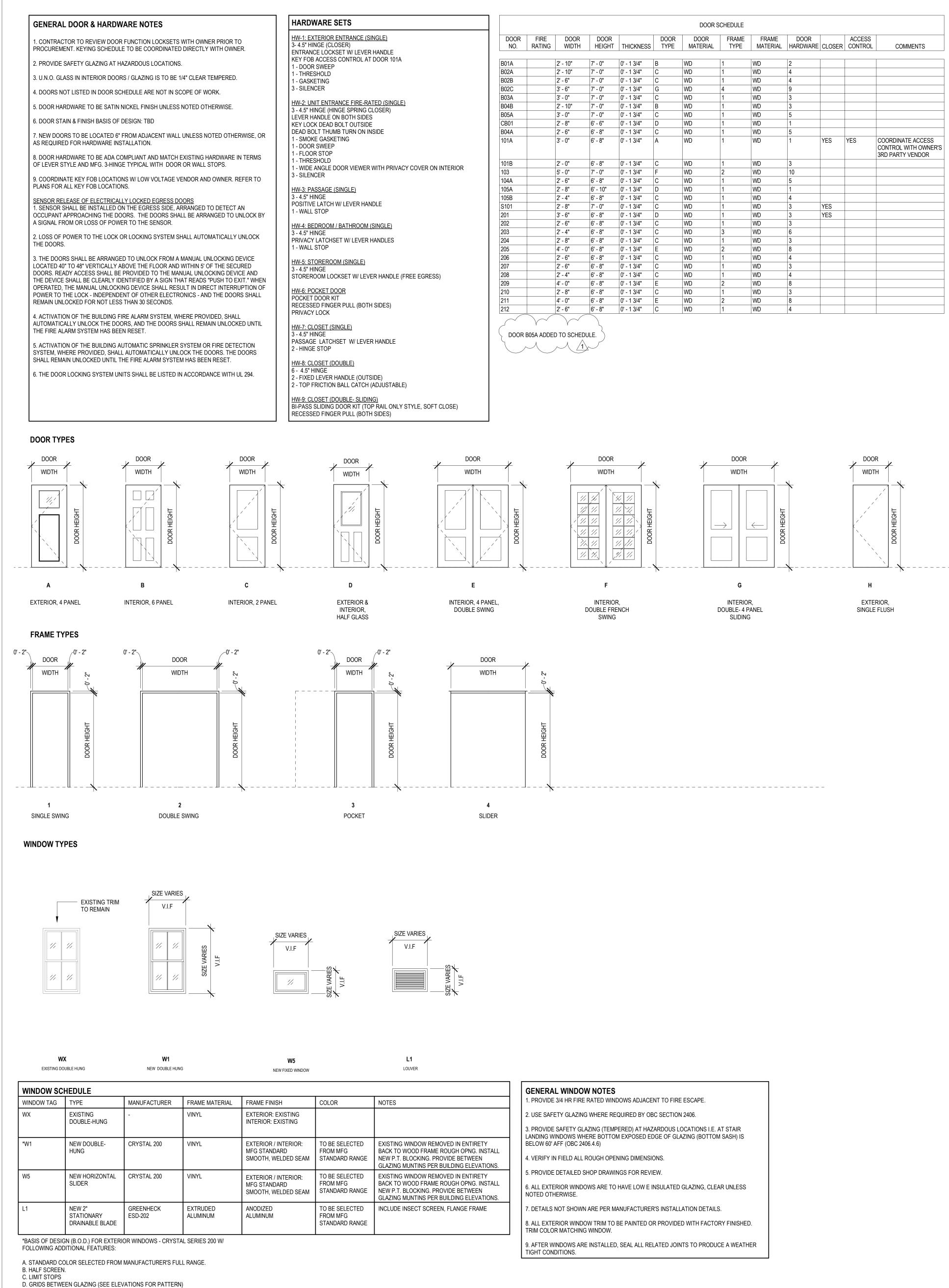


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Δ	DESCRIPTION	DATE

ISSUED FOR PERMIT 06-27-2023 SHEET NAME WALL SECTIONS & DETAILS SHEET NO. A5.00

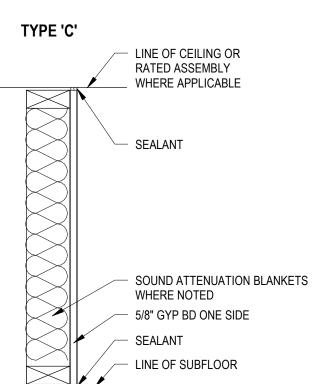




						DOOR S	CHEDULE					
DR).	FIRE RATING	DOOR WIDTH	DOOR HEIGHT	THICKNESS	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	DOOR HARDWARE	CLOSER	ACCESS CONTROL	COMMENTS
		2' - 10"	7' - 0"	0' - 1 3/4"	В	WD	1	WD	2			
		2 - 10	7 - 0"	0' - 1 3/4"	C	WD	1	WD	4			
		2' - 6"	7'-0"	0' - 1 3/4"	C	WD	1	WD	4			
		3' - 6"	7' - 0"	0' - 1 3/4"	G	WD	4	WD	9			
		3' - 0"	7' - 0"	0' - 1 3/4"	C	WD	1	WD	3			
		2' - 10"	7' - 0"	0' - 1 3/4"	B	WD	1	WD	3			
		3' - 0"	7' - 0"	0' - 1 3/4"	C	WD	1	WD	5			
		2' - 8"	6' - 6"	0' - 1 3/4"	D	WD	1	WD	1			
		2' - 6"	6' - 8"	0' - 1 3/4"	C	WD	1	WD	5			
		3' - 0"	6' - 8"	0' - 1 3/4"	A	WD	1	WD	1	YES	YES	COORDINATE ACCESS CONTROL WITH OWNER'S 3RD PARTY VENDOR
		2' - 0"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	3			
		5' - 0"	7' - 0"	0' - 1 3/4"	F	WD	2	WD	10			
		2' - 6"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	5			
		2' - 8"	6' - 10"	0' - 1 3/4"	D	WD	1	WD	1			
		2' - 4"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	4			
		2' - 8"	7' - 0"	0' - 1 3/4"	С	WD	1	WD	3	YES		
		3' - 6"	6' - 8"	0' - 1 3/4"	D	WD	1	WD	3	YES		
		2' - 6"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	3			
		2' - 4"	6' - 8"	0' - 1 3/4"	С	WD	3	WD	6			
		2' - 8"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	3			
		4' - 0"	6' - 8"	0' - 1 3/4"	E	WD	2	WD	8			
		2' - 6"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	4			
		2' - 6"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	3			
		2' - 4"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	4			
		4' - 0"	6' - 8"	0' - 1 3/4"	E	WD	2	WD	8			
		2' - 8"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	3			
		4' - 0"	6' - 8"	0' - 1 3/4"	E	WD	2	WD	8			
		2' - 6"	6' - 8"	0' - 1 3/4"	С	WD	1	WD	4			



FLOOR PLAN DESIGNATION NO SOUND ATTENUATION	FLOOR PLAN DESIGNATION WITH SOUND ATTENUATION	STUD SIZE
A1		2X4
A2	A2	2X6
A4		2X4



FLOOR PLAN DESIGNATION NO SOUND ATTENUATION	FLOOR PLAN DESIGNATION WITH SOUND ATTENUATION	STUD SIZE	PARTITION WIDTH	FIRE RATING	UL LISTING	REMARKS
C4		2X4	4-1/8"	NON-RATED	N/A	
C6		2X6	6-1/8"	NON-RATED	N/A	

PARTITION FIRE

WIDTH

4-3/4"

RATING

4-3/4" NON-RATED N/A

1-HR

6-3/4" NON-RATED

UL LISTING REMARKS

N/A

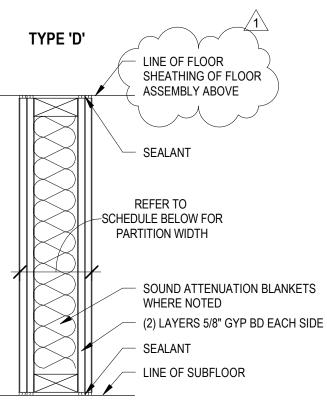
U305

ENERAL WINDOW NOTES
PROVIDE 3/4 HR FIRE RATED WINDOWS ADJACENT TO FIRE ESCAPE.
USE SAFETY GLAZING WHERE REQUIRED BY OBC SECTION 2406.
PROVIDE SAFETY GLAZING (TEMPERED) AT HAZARDOUS LOCATIONS I.E. AT STAIR ANDING WINDOWS WHERE BOTTOM EXPOSED EDGE OF GLAZING (BOTTOM SASH) IS ELOW 60' AFF (OBC 2406.4.6)
VERIFY IN FIELD ALL ROUGH OPENING DIMENSIONS.
PROVIDE DETAILED SHOP DRAWINGS FOR REVIEW.
ALL EXTERIOR WINDOWS ARE TO HAVE LOW E INSULATED GLAZING, CLEAR UNLESS OTED OTHERWISE.
DETAILS NOT SHOWN ARE PER MANUFACTURER'S INSTALLATION DETAILS.
ALL EXTERIOR WINDOW TRIM TO BE PAINTED OR PROVIDED WITH FACTORY FINISHED. RIM COLOR MATCHING WINDOW.
AFTER WINDOWS ARE INSTALLED, SEAL ALL RELATED JOINTS TO PRODUCE A WEATHER IGHT CONDITIONS.

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	



	SHEATHING OF FLOOR
	ASSEMBLY ABOVE
	SEALANT
	REFER TO SCHEDULE BELOW FOR PARTITION WIDTH
	SOUND ATTENUATION BLANKE WHERE NOTED
	(2) LAYERS 5/8" GYP BD EACH
	SEALANT
	LINE OF SUBFLOOR
	

STUD	PARTITION	FIRE	UL LISTING	REMARKS
SIZE	WIDTH	RATING		
01/4	4 4/0"		N1/A	

FLOOR PLAN DESIGNATION NO SOUND ATTENUATION	FLOOR PLAN DESIGNATION WITH SOUND ATTENUATION	STUD SIZE	PARTITION WIDTH	FIRE RATING	UL LISTING	REMARKS
D4		2X4	6"	2-HR	U301	



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



141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

OWNER CITY GOSPEL MISSION



REVISION

Δ	DESCRIPTION	DATE					
PERMIT COMMENTS 10-19-2							
	PERMIT COMMENTS	10-19-2023					

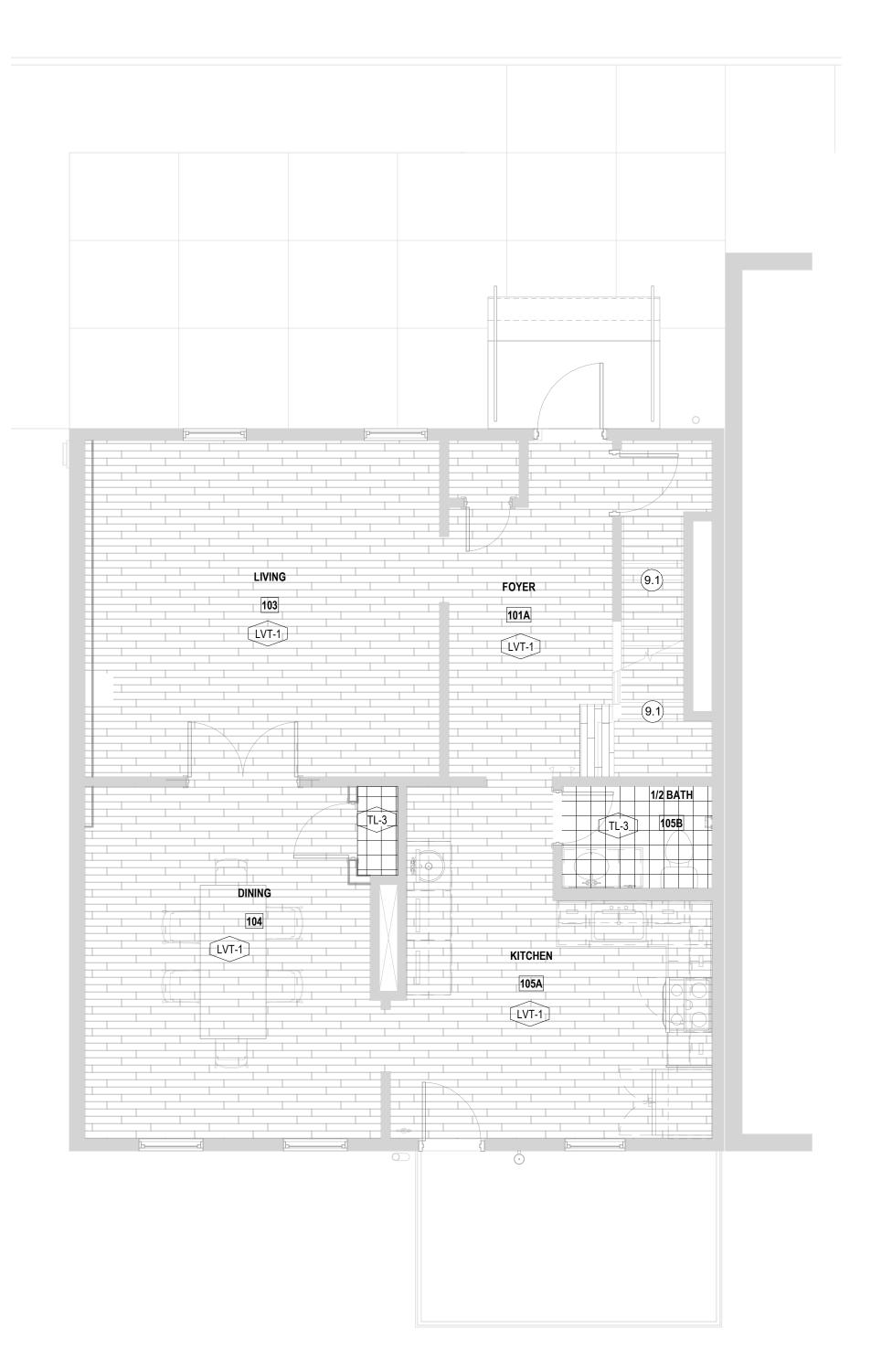
PERMIT 06-27-2023 SHEET NAME DOORS, WINDOWS, PARTITIONS SHEET NO.

A6.10

ISSUED FOR

PAINT P-1 (WALLS)		MATERIAL COD	E LIST
P-1 (WALLS)	DESCRIPTION		DESCRIPTION
·)	SHERWIN WILLIAMS COLOR TBD	LVT-1 LUXURY VINYL	SHAW CONTRACT STYLE: BRANCHING OUT 5MM
	FINISH: SATIN	TILE	STYLE NUMBER: 4256V COLOR NAME: ZION OAK
(BASEBOARD /	SHERWIN WILLIAMS COLOR TBD FINISH: SEMI GLOSS		COLOR NUMBER: 56103 SIZE: 6" X 48" DIRECT GLUE INSTALLATION. INSTALL PER MANUFACTURER INSTRUCTIONS.
TRIM)			STAGGERED INSTALL. AT STAIRS TREADS UTILIZE
⊃-3 (CEILINGS)	COLOR: SHERWIN WILLIAMS COLOR TBD FINISH: FLAT		AT STAIRS TREADS UTILIZE SHAW CONTRACT STYLE:BRANCHING OUT CORETEC 20 MIL STYLE NUMBER: 4309V
			COLOR NAME: ZION OAK COLOR NUMBER: 56103
CB-3	SMART CABINETRY *PROVIDE PRICING ALTERNATES FOR		SIZE 7" X 48" DIRECT GLUE INSTALLATION. INSTALL PER MANUFACTURER INSTRUCTIONS. STAGGERED INSTALL.
	STYLE: FINISH: BUTTERCREAM		PROVIDE WITH FLUSH STAIRNOSE 379VS CONTACT: LAUREN HILLNER 513-581-0321
QT-3	LOCATION: KITCHEN CABINETRY & VANITIES WILSONART QUARTZ	RS-1	TARKETT / JOHNSONITE
COUNTERTOPS	HAIDA Q1007, 3CM (PROVIDE ALTERNATE PRICING FOR 2CM) LIMITED 10 YR PRODUCT WARRANTY KITCHEN COUNTERTOPS (NO SPLASH)	STAIR RISERS	VINYL RISER, 0.080" GAUGE, VERIFY SIZE IN FIELD COLOR TO BE SELECTED FROM STANDARD RANGE.
QT-5	WILSONART QUARTZ	VCT-1	
QUARTZ COUNTERTOPS	RIO UPANO Q3008, 2CM LIMITED 10 YR PRODUCT WARRANTY BATHROOM COUNTERTOPS W/ 4" BACKSPLASH. INCLUDE SIDE SPLASH	VINYL COMPOSITE TILE	TARKETT VCT II, 533 TRUE BEIGE WB VINYL COMPOSITION TILE 12" X 12", 1/8" GAUGE
	WHERE VANITY ABUTS WALL(S)		

CODE	DESCRIPTION	
TILE		
TL-3 FLOOR TILE CERAMIC / PORCELAIN	HAMILTON PARKER MLW SURFACES CALACATTA STATUARY 8X9 HEX ITEM CODE IFS8HEXCS *SPECIAL ORDER: ALLOW 3-4 WKS** GROUT: ULTRACOLOR PLUS FA 93 WARM GRAY	CONTACT: AMANDA THOM 513-520-0777
TL-4 KITCHEN BACKSPLASH	HAMILTON PARKER MLW SURFACES ARTISTA WHITE PICASSO W/ BLK/ GRY 8X8 *SPECIAL ORDER: ALLOW 3-4 WKS** GROUT: ULTRACOLOR PLUS FA 01 ALABASTER	



FLOOR FINISH LEGEND

LVT-1 VINYL TILE (PLANK)
CONC EXISTING CONCRETE TO REMAIN
TL-5 & TL-6 (REFER TO PLANS) CERAMIC / PORCELAIN FLOOR TILE
VCT VINYL COMPOSITE TILE

GENERAL APPLIANCE & FIXTURE NOTES 1. PROVIDE IN-WALL BLOCKING FOR ALL WALL-MOUNTED ACCESSORIES.

2. SUBSTITUTIONS ARE TO BE APPROVED BY OWNER OR ARCHITECT IN WRITING.

3. REFER TO REFLECTED CEILING PLANS AND LIGHTING SCHEDULE FOR LIGHTING. 4. REFER TO INTERIOR ELEVATIONS & SHEET A0.01 FOR MOUNTING

PLUMBING FIXTURES

HEIGHTS.

VANITY SINK UNDERMOUNT VITREOUS CHINA; OVAL SINK BASIS OF DESIGN: AMERICAN STANDARD OVALYN 17-1/8" X 14-1/8"

<u>VANITY FAUCET</u> SINGLE HANDLE, CHROME FINISH

INCLUDE CURVED BARN-STYLE DOORS.

BASIS OF DESIGN: AMERICAN STANDARD RELIANT 4" CENTER-SET SHOWER SYSTEM ACRYLIC SHOWER PAN WITH CENTER DRAIN.

WALLS TO BE ACRYLIC PANEL W/ FAUX TILE TEXTURE. BASIS OF DESIGN: AMERICAN STANDARD OVATION CURVE 30X48 W/ CENTER DRAIN. ELEVATE 48X72 SUBWAY PATTERN 3-PIECE SHOWER SURROUND.

<u>SHOWER FAUCET</u> CHROME SHOWER FAUCET W/ SINGLE LEVER BASIS OF DESIGN: AMERICAN STANDARD RELIANT 3 (SHOWER ONLY)

TUB / SHOWER COMBO ACRYLIC TUB W/ ACRYLIC WALL PANELS W/ FAUX TILE TEXTURE BASIS OF DESIGN: AMERICAN STANDARD OVATION 30"X60" INTEGRAL APRON BATHTUB W/ DEEP SOAK DRAIN. ELEVATE 60X60 SUBWAY PATTERN 3-PIECE TUB SURROUND. TUBS TO HAVE SHOWER ROD PER ACCESSORY SCHEDULE.

TUB FAUCET CHROME SHOWER FAUCET W/ SINGLE LEVER

BASIS OF DESIGN: AMERICAN STANDARD RELIANT 3 (SHOWER & TUB) KITCHEN FAUCET BASIS OF DESIGN: AMERICAN STANDARD MAVEN PULL-DOWN

KITCHEN FAUCET 9319300.002

KITCHEN SINK STAINLESS STEEL UNDERMOUNT, SINGLE BOWL BASIS OF DESIGN: GLACIER BAY UNDERMOUNT 18G 31" SINGLE BOWL KITCHEN SINK W/ OFFSET DRAIN AND ACCESSORIES. MODEL#VUR3118A1ACC

CLOSET SYSTEMS 1. BASIS OF DESIGN CLOSET SYSTEM IS FREEDOMRAIL BY ORGANIZED LIVING.

2. PROCURE & INSTALL FREEDOMRAIL ADJUSTABLE CLOSET SHELVING SYSTEM IN ALL CLOSETS AS NOTED. BEDROOM CLOSETS TO RECEIVE CLOSET ROD W/ SHELF.

LINEN / PANTRY CLOSETS TO RECEIVE SHELVING ONLY. 3. PROVIDE CONTINUOUS IN-WALL BLOCKING AT RAIL LOCATIONS.

4. STATIC LOAD TO BE 150 LB/FT SHELF MIN.

5. FINISH TO BE SELECTED BY ARCH FROM MFG STANDARD RANGE.

6. CLOSET DIMENSIONS ARE TO BE FIELD VERIFIED. RODS & SHELVING ARE TO EXTEND FULL LENGTH OF CLOSET.

7. INSTALL PER MANUFACTURER'S RECOMMENDED INSTALLATION. 8. MOUNT CLOSET ROD 60" AFF.

GENERAL CASEWORK NOTES CABINETRY BASIS OF DESIGN:

SMART CABINETRY

COUNTERTOPS: QUARTZ

KITCHEN BACK SPLASH: TILED, TO BE DETERMINED.

VANITY BACK SPLASH: 4" QUARTZ SPLASH

<u>GENERAL NOTES:</u> 1. PROVIDE SOFT CLOSET DRAWERS / HINGES, TYPICAL.

2. PROVIDE ALLOWANCE FOR CABINET PULLS / HARDWARE AS INDICATED ON INTERIOR ELEVATIONS.

3. PROVIDE STANDARD QUANTITY OF SHELVING PER MANUFACTURER.

4. CABINET TOE KICKS ARE TO MATCH CABINET FINISH.

5. PROVIDE LIGHT RAIL AT UPPER CABINETS, TYPICAL. PROVIDE UNDERCABINET LIGHTING.

6. PROVIDE SIDE SPLASH AT COUNTERTOP ENDS THAT ABUT WALLS,

	CONSTRUCTION KEYNOTES
3.1	NEW CONCRETE STEPS / LANDING
3.2	NEW CONCRETE SIDEWALK. REFER CIVIL PLANS.
4.1	STABILIZE STONE WALL AND PROVIDE CONCRETE CAP WITH 1/2" PER FT POSITIVE SLOP.
4.2	REPLACE ROTTED WOOD FRAMING. (ADDITIONAL WOOD ROT REPAIR ANTICIPATED. CONTRACTOR TO PROVIDE ALLOWANCE FOR REPLACING 20% OF EXTERIOR WOOD FRAMING.)
4.3	REMOVE REMNANTS OF PREVIOUS BUILDING'S WALL ADJACENT TO PROJECT. INFORM ARCHITECH OF REMOVAL FOR REMEDIATION GUIDANCE
5.1	NEW ALUM HANDRAIL, TYPICAL BOTH SIDES.
6.1	EXISTING TO REMAIN GYP / PLASTER CEILING. PATCH & REPAIR AS REQ'D TO SUPPORT THE NEW WORK.
6.2	REINSTALL DECORATIVE CORBELS
6.3	PROVIDE NEW MDF SHIPLAP WALL PLANK (7.25" X 12') OVER EXTERIOR SHEATHING / VAPOR BARRIER SYS.
6.4	PROVIDE NEW ACCESS PANEL. 3/4" THCK P.T. PLYWOOD, PAINTED.
6.5	PATCH CEILING WHERE WALL RELOCATED.
6.6	PROVIDE 2-HR RATED SOFFIT ENCLOSURE FOR HVAC DUCT. COORE W/ MECH.
8.1	NEW WINDOW. DOUBLE HUNG; VINYL; INSULATED LOW-E GLAZING.
8.2	INSTALL NEW STAIR TO MATCH WIDER OPENING
8.3	NEW DOOR BELL
8.4	REPLACE DOWNSPOUT. PAINT TO MATCH EXTERIOR CLADDING
9.1	LVT TREADS W/ VINYL RISERS & NOSING
10.1	CLOSET ROD W/ 14"D WHITE MELAMINE SHELF, FULL LENGTH OF CLOSET.
10.2	(5) 14"D WHITE MELAMINE SHELVES
10.3	NEW KNOX BOX
10.4	GLASS SHOWER DOOR SYSTEM
22.1	NEW UTILITY SINK.
22.2	UNDERMOUNT BAR SINK W/ HOT WATER & COLD WATER TAP.
26.1	CENTER THE LIGHT TO THE ROOM.
32.1	PROVIDE ENGRAVED PAVERS W/ DONOR NAMES. (AREA OF DASHEL LINE)

BEDROOM	HALLWAY	
BATHROOM 212 TL-3	BATHROOM 208 TL-3	
BEDROOM #4 BEDROOM #4 Image:		

3 FINISH PLAN - LEVEL 2 1/4" = 1'-0"



ARCHITECT & INTERIOR DESIGN ARCX STUDIO FIRM.18314012

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Δ	DESCRIPTION	DATE
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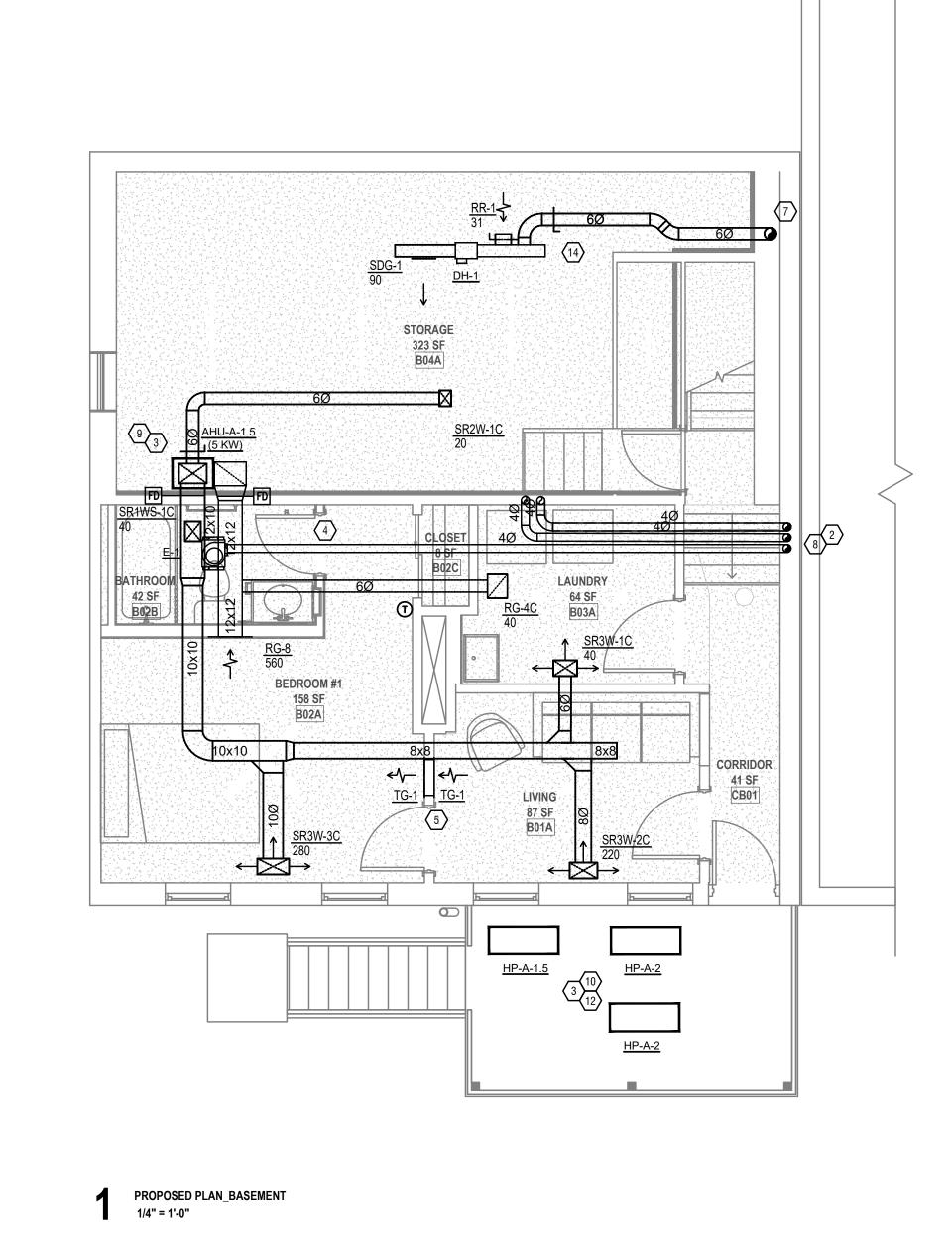
ISSUED FOR PERMIT 06-27-2023 SHEET NAME **INTERIOR FINISHES** PLAN SHEET NO.





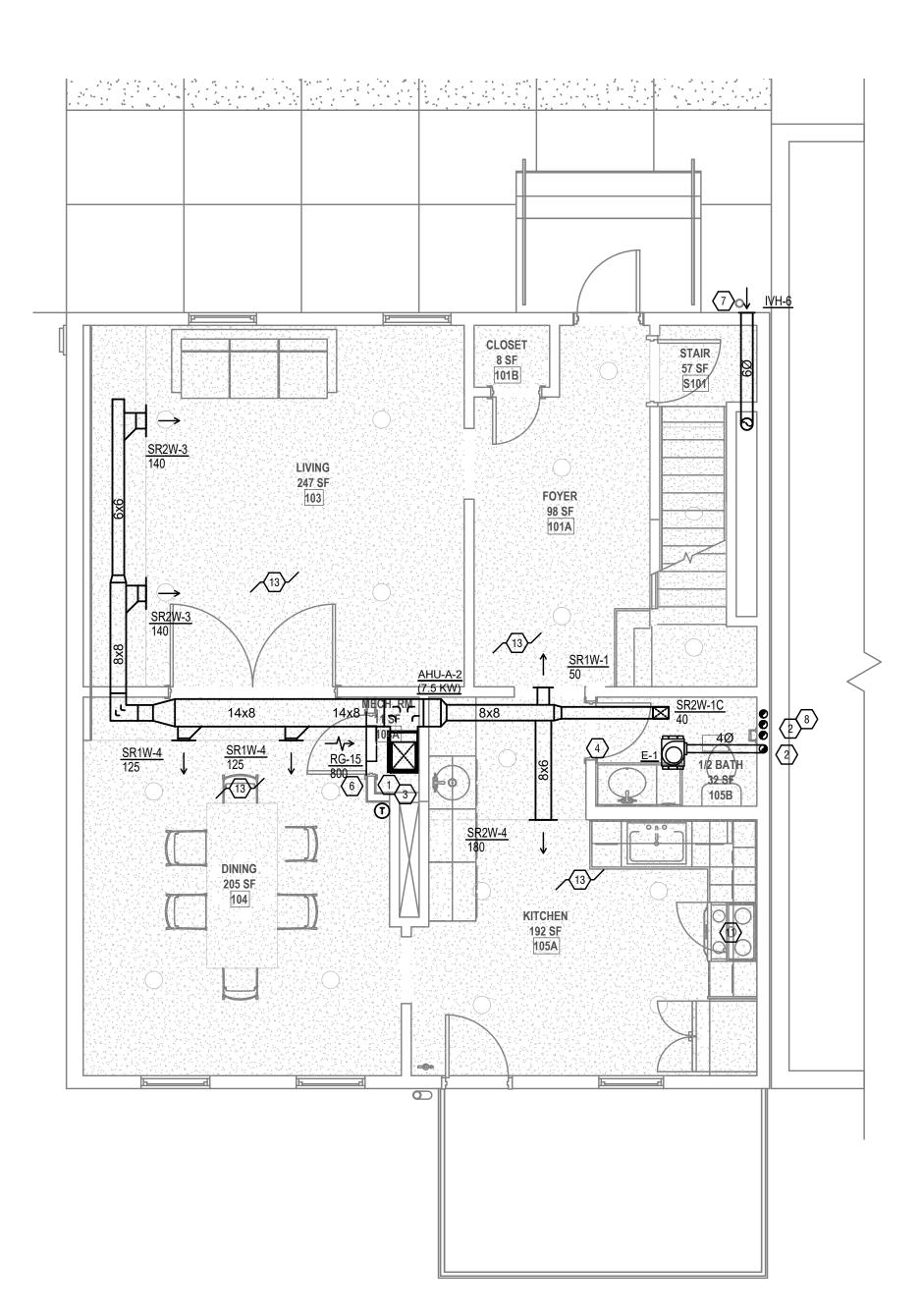
ION WIT NAGER, MAN CABLE CODES, AND ARE INTENDED TO PROVIDE THE AUTHORITIES HAVING JURISE CONTRACTURAL AGREEMENT THAT MAY EXIST WITH AN OWNER, CONSTRUCTION Z Z 2023-3:28pm - By: NSTRATE COM FALLED IN ACC ЪŪЦ Z ъ. В. В. С. С. <u>ا الا</u> <u>י</u>ם י es\10100 - 10199\10199 - City Gospel Mission INGS AND SPECIFICATIONS ARE NO IANCE. THE INSTALLING CONTRACT Z:\~Project Direct THESE DRA\ CODE COMF

TH INFORMATION TO DETERMIN GENERALDCONTRACTOR ETC



DIFFU	SER, GRILLE, AND RE	GISTER	SCHEE	DULE		SYMBOLS LEGEND HVAC T THERMOSTAT	MECHANICAL SCOPE OF WORK
CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	MODEL	NOTES		PROVIDE AND INSTALL NEW HVAC EQUIPMENT FOR BUILDING RENOVATION. MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAWINGS ETC. TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.
VH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED INTAKE VENT.	8x9	6Ø	FAMCO SWVP	ANGLED HOOD.1/4 INCH INSECT SCREEN.	$ \longrightarrow $ SIDE WALL GRILL $ \land \land$	CODES & STANDARDS REFERENCED
RG-4C	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	12x10	10x8	HART AND COOLEY/ 650	BRIGHT WHITE FINISH	I< ← RETURN WALL GRILL AIR FLOW DIRECTION	- 2017 OHIO MECHANICAL CODE
RG-8	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	22x16	20x14	HART AND COOLEY/ 650	BRIGHT WHITE FINISH	14×10 DUCTWORK TYPICAL SUPPLY DUCT DN	- 2017 OHIO BUILDING CODE - ASHRAE 90.1-2010
RG-9	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	26x16	24x14	HART AND COOLEY/ 650	BRIGHT WHITE FINISH	TYPICAL RETURN DUCT DN	HVAC DESIGN CONDITIONS RESIDENTIAL COOLING OUTDOOR: 93 DB / 75 WB
RG-15	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	32x12	30x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH	TYPICAL EXHAUST DUCT [] TURNING VANES	GENERAL 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.	Flexible duct, 8'-0" long max. Typical round duct dn	A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL SHEETS.
SDG-1	ALUMINUM SPIRAL DUCT MOUNTED DOUBLE DEFLECTION SUPPLY GRILLE WITH RADIUS END CAP, 3/4" SPACING WITH FRONT BLADES PARALLEL TO THE LONG DIMENSION.	12x5	10x3	TITUS S300FL	AIR SCOOP DAMPER	ROUND DUCT UP MVD MANUAL VOLUME DAMPER DROPPED CEILING/SOFFIT	 B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES. C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT. D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.
SR1W-1	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	10x6	8x4	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH	FD 1.5 HR FIRE DAMPER	E. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, AND FINAL CEILING DIFFUSER LOCATIONS.
SR1W-1C	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	10x6	8x4	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH		F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.
SR1W-4	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	12x8	10x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH	 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. 	G. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED FLOOR/CEILING.
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	 ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA. SIZE PER MANUFACTURES RECOMMENDATIONS. 	H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN. PROVIDE MINIMUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION
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	 UNDERCUT DOOR 1" ABOVE FINISHED FLOOR FOR RETURN AIR. DUCTED RETURN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL CAVITY. DUCTED RETURN SLEEVE TO AVOID EXPOSED WALL CAVITY. 	 307.2.2 OF THE OHIO MECHANICAL CODE. I. PROVIDE AN APPROVED THROUGH PENETRATION FIRESTOP FOR ALL PIPING INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. FIRESTOP
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	 FRESH AIR INTAKE THRU WALL TO WALL CAP 4" EXHAUST DUCT TO BE ROUTED DIRECTLY TO ROOF, AS ALLOWED PER 717.6.1 EXCEPTION. DUCT MUST BE MINIMUM 26 GA. AND BE CONTAINED 	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.
SR2W-3	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	16x6	14x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH	 WITHIN WALL CAVITY FOR FULL LENGTH. FIRE CAULK AROUND ALL PENETRATIONS. 9. ROUTE 3/4" CONDENSATE DRAIN LINE TO FLOOR DRAIN IN BASEMENT. SLOPE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. 	J. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL
SR2W-4	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH	 PROVIDE AND INSTALL HEAT PUMP MOUNTING STANDS DIVERSITECH QSMS1200 OR ENGINEERED EQUIVALENT. KITCHEN HOODS TO BE RECIRCULATING HOODS PROVIDED BY OTHERS. HEAT PUMPS TO BE LOCATED UNDER THE DECK. PROVIDE AND INSTALL HEAT 	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
SR3W-1C	STEEL 3-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	12x8	10x6	HART AND COOLEY/ 631	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH, MULTI-SHUTTER VAVLE	PUMP MOUNTING STANDS DIVERSITECH QSMS1200 OR ENGINEERED EQUIVALENT.13. DUCTWORK AND PLUMBING THIS AREA INSTALLED IN SOFFIT. COORDINATE	PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING CONTRACTORS.
SR3W-2C	STEEL 3-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 631	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH, MULTI-SHUTTER VAVLE	WITH OTHER TRADES. 14. DUCTWORK TO BE EXPOSED.	 K. PROVIDE ALL NECESSARY MODIFICATIONS TO CONTROL WIRING, ETC. TO RELOCATE EXISTING MECHANICAL EQUIPMENT TO NEW LOCATIONS SHOWN. L. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED
SR3W-3C	STEEL 3-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	16x8	14x6	HART AND COOLEY/ 631	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH, MULTI-SHUTTER VAVLE		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.
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.



2 PROPOSED PLAN_LEVEL 1 1/4" = 1'-0"



ARCHITECT & INTERIOR DESIGN ARCX STUDIO FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

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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 - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER
2301

CITY GOSPEL MISSION





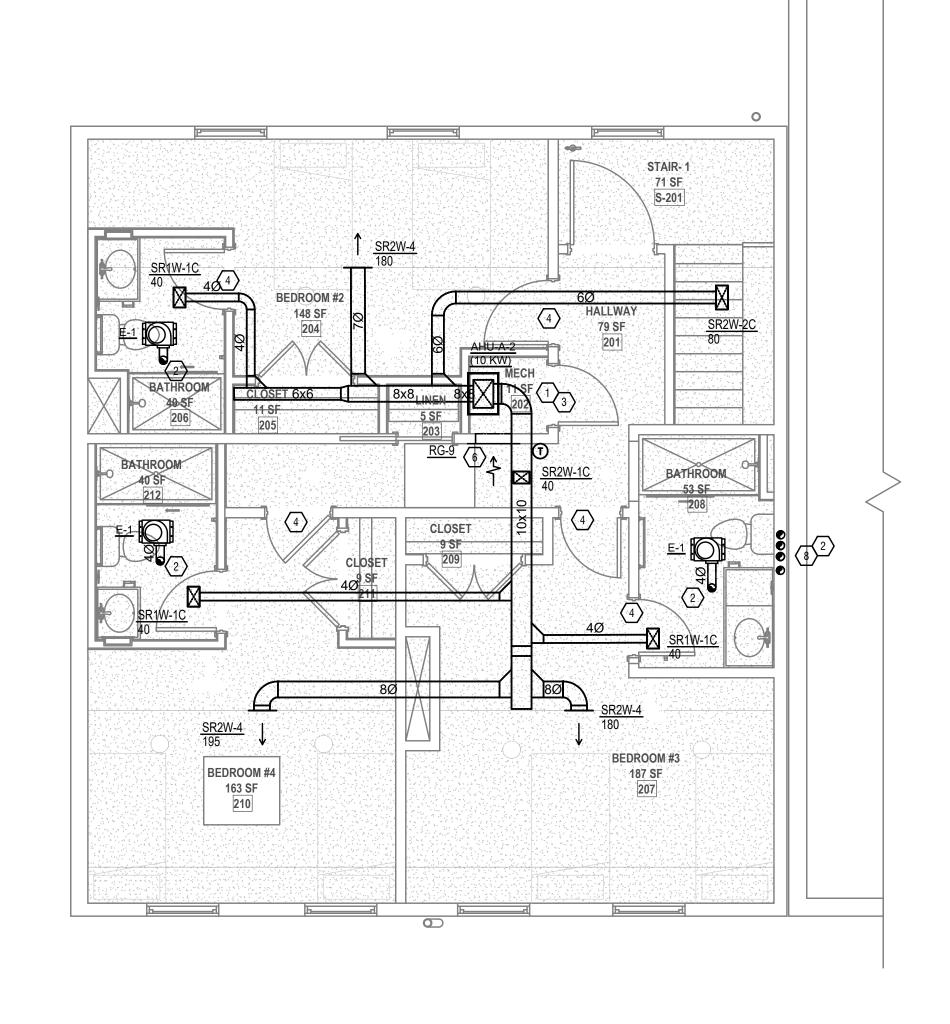
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ISSUED FOR PERMIT 06-27-2023 SHEET NAME MECHANICAL FLOOR PLANS SHEET NO.

M1.00

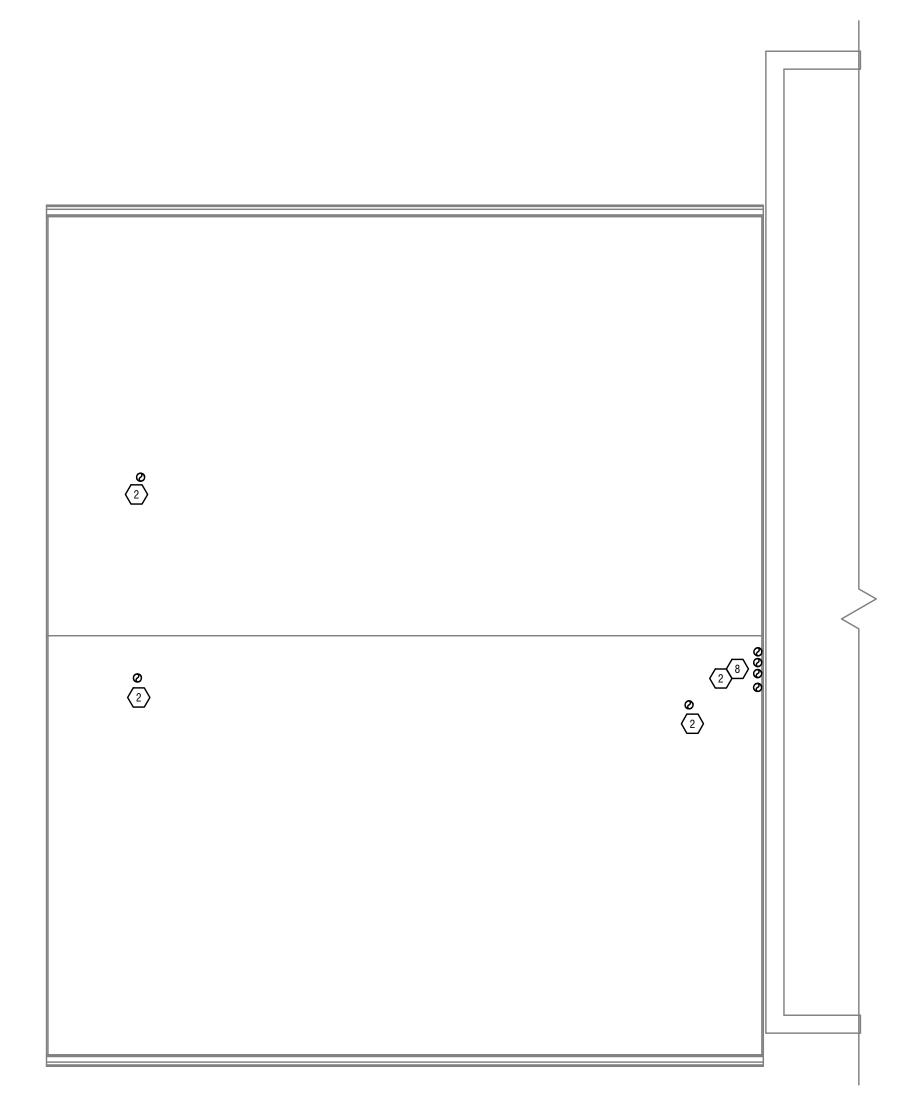
TH INFORMATION TO DETERMIN GENERAL_DCONJTRACTOREETCB ION WIT JAGER, MAC AISI ION TO PROVIDE THE AUTHORITIES HAVING JU MAY EXIST WITH AN OWNER, CONSTRUCT ND ARE INTENDED ' AGREEMENT THAT ES, AN JRAL E CODE TRACTU CA CA \exists L BY: CON ᇵᆫᆫ᠌ 023-3:28p VSTRAT ALLED ЪΏЦ <u>' <u>n</u> z</u> US US 7 4 ¹2 tories\10100 - 10199\10199 - City Gospel Mission -MINGS AND SPECIFICATIONS ARE NOT PLIANCE. THE INSTALLING CONTRACTO Z:\~Project Direct THESE DRA\ CODE COMP



DIFFU	ISER, GRILLE, AND RE	GISTER	SCHED	ULE			IGEND - HVAC	MECHANICAL SCOPE OF WORK
CALLOUT	DESCRIPTION	FACE SIZE	INLET SIZE	MODEL	NOTES		THERMOSTAT CEILING DIFFUSER	PROVIDE AND INSTALL NEW HVAC EQUIPMENT FOR BUILDING RENOVATION. MECHANICAL CONTRACTOR SHALL REFERENCE ALL DISCIPLINE DRAWINGS ETC.
		(IN)	(IN)					TO REVEAL FULL SCOPE OF WORK. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.
VH-6	28 GAUGE GALVANIZED STEEL. PRE-PAINTED INTAKE VENT.	8x9	6Ø	FAMCO SWVP	ANGLED HOOD.1/4 INCH INSECT SCREEN.		SIDE WALL GRILL	
RG-4C	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT	12x10	10x8	HART AND COOLEY/ 650	BRIGHT WHITE FINISH	- « \	RETURN WALL GRILL	CODES & STANDARDS REFERENCED
	20 DEGREES					- <u>-</u> + <u>-</u> + <u>14x10</u> + <u>-</u> + + + + + + + + + + + + + + + + + + +	AIR FLOW DIRECTION	 2017 OHIO MECHANICAL CODE 2017 OHIO BUILDING CODE ASHRAE 90.1-2010
RG-8	RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT	22x16	20x14	HART AND COOLEY/ 650	BRIGHT WHITE FINISH		DUCTWORK TYPICAL SUPPLY DUCT DN	<u>L</u> _
RG-9	20 DEGREES RETURN AIR GRILLE, ALL-STEEL	26x16	24x14	HART AND COOLEY/ 650	BRIGHT WHITE FINISH		TYPICAL RETURN DUCT DN	HVAC DESIGN CONDITIONS
0-0	CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES	20010	247.14					COOLING OUTDOOR: 93 DB / 75 WB OUTDOOR: 0 DB
RG-15	RETURN AIR GRILLE, ALL-STEEL	32x12	30x10	HART AND COOLEY/ 650	BRIGHT WHITE FINISH		TYPICAL EXHAUST DUCT	INDOOR: 75 INDOOR: 70
	CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES							GENERAL NOTES
RR-1	STEEL RETURN GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION,	8x8	6x6	TITUS 350RL	STEEL OPPOSED-BLADE DAMPER OPERABLE FROM THE FACE OF THE		FLEXIBLE DUCT, 8'-0" LONG MAX.	A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL
	BLADES PARALLEL TO LONG DIMENSION	40.5	40.0		GRILLE.		TYPICAL ROUND DUCT DN ROUND DUCT UP	B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
SDG-1	ALUMINUM SPIRAL DUCT MOUNTED DOUBLE DEFLECTION SUPPLY GRILLE WITH RADIUS END CAP, 3/4" SPACING	12x5	10x3	TITUS S300FL	AIR SCOOP DAMPER			 C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
	WITH FRONT BLADES PARALLEL TO THE LONG DIMENSION.						MVD MANUAL VOLUME DAMPER DROPPED CEILING/SOFFIT	D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALI
SR1W-1	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	10x6	8x4	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH	- [<u></u> FD	1.5 HR FIRE DAMPER	E. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, AND FINAL CEILING
R1W-1C	STEEL 1-WAY REGISTER, PLATE	10x6	8x4	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT			DIFFUSER LOCATIONS. F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER
	DAMPER, 1/3" FIN SPACING				WHITE FINISH	🛛 🖉 🖉 🖉	D SHEET NOTES	LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.
SR1W-4	STEEL 1-WAY REGISTER, PLATE DAMPER, 1/3" FIN SPACING	12x8	10x6	HART AND COOLEY/ 651	ADJUSTABLE PLATE DAMPER, BRIGHT WHITE FINISH	CLOSET. SLC	ONDENSATE DRAIN LINE TO FLOOR DRAIN IN MECHANICAL PE PIPE A MINIMUM OF 1/8 " PER FOOT AWAY FROM UNIT. ST UP THROUGH ROOF WITH RAIN-PROOF CAP.	ABOVE DROP CEILING ON IS, ROUTE ALL SUPPLY, RETORN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED FLOOR/CEILING.
R1WS-1C	STEEL 1-WAY REGISTER, MS DAMPER, 1/2" FIN SPACING	10x8	8x6	HART AND COOLEY/ 681	ADJUSTABLE DAMPER, SIDE DEFLECTION, BRIGHT WHITE FINISH	3. ROUTE LINE S SHALL BE CC RECOMMEND	SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING NCEALED IN FINISHED AREA. SIZE PER MANUFACTURES NATIONS.	H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN. PROVIDE MINIMUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION
R2W-1C	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	8x6	6x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH	5. DUCTED RET CAVITY.	OOR 1" ABOVE FINISHED FLOOR FOR RETURN AIR. URN BETWEEN TRANSFER GRILLES TO AVOID EXPOSED WALL	307.2.2 OF THE OHIO MECHANICAL CODE. I. PROVIDE AN APPROVED THROUGH PENETRATION FIRESTOP FOR ALL PIPING
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	7. FRESH AIR IN 8. 4" EXHAUST I	URN SLEEVE TO AVOID EXPOSED WALL CAVITY. TAKE THRU WALL TO WALL CAP DUCT TO BE ROUTED DIRECTLY TO ROOF, AS ALLOWED PER PTION. DUCT MUST BE MINIMUM 26 GA. AND BE CONTAINED	INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. FIRESTOL 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.
R2W-3	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	16x6	14x4	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH	WITHIN WALL PENETRATIO 9. ROUTE 3/4" C	CAVITY FOR FULL LENGTH. FIRE CAULK AROUND ALL	J. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL
8R2W-4	STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 661	ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH	10. PROVIDE ANI QSMS1200 OI 11. KITCHEN HOO	D INSTALL HEAT PUMP MOUNTING STANDS DIVERSITECH R ENGINEERED EQUIVALENT. DDS TO BE RECIRCULATING HOODS PROVIDED BY OTHERS.	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
R3W-1C	STEEL 3-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	12x8	10x6	HART AND COOLEY/ 631	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH, MULTI-SHUTTER VAVLE	PUMP MOUN EQUIVALENT	TO BE LOCATED UNDER THE DECK. PROVIDE AND INSTALL HEAT FING STANDS DIVERSITECH QSMS1200 OR ENGINEERED	THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING CONTRACTORS.
R3W-2C	STEEL 3-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	14x8	12x6	HART AND COOLEY/ 631	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH, MULTI-SHUTTER VAVLE	WITH OTHER 14. DUCTWORK	TRADES.	K. PROVIDE ALL NECESSARY MODIFICATIONS TO CONTROL WIRING, ETC. TO RELOCATE EXISTING MECHANICAL EQUIPMENT TO NEW LOCATIONS SHOWN.
R3W-3C	STEEL 3-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING	16x8	14x6	HART AND COOLEY/ 631	ADJUSTABLE DAMPER, BRIGHT WHITE FINISH, MULTI-SHUTTER VAVLE			L. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTE AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
G-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.





ARCHITECT & INTERIOR DESIGN ARCX STUDIO FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302

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HTCTC - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER
2301

CITY GOSPEL MISSION





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REVISION						
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ISSUED FOR PERMIT 06-27-2023 SHEET NAME MECHANICAL FLOOR PLANS SHEET NO.

M1.01

DUCT INSULATION SCHEDULE									
	AIR DISTRIBUTION TYPE								
	SA	RA	OA	ADDITIONAL NOTE					
AHU-A-1.5	R-3.5	None	N/A	-					
AHU-A-2	R-3.5	None	N/A	-					
DH-1	R-3.5	None	R-3.5	-					

DUCT INSULATION REQUIREMENTS ARE BASED ON TABLE 6.8.2B OF ASHRAE 90.1 2010 ENERGY CODE. PROVIDE DUCTWORK OF SUFFICIENT THICKNESS TO MEET THE INSTALLED R-VALUE REQUIREMENTS LISTED ABOVE. ITEMS NOT REQUIRED TO BE INSULATED: FIBROUS-GLASS DUCTS, DUCTS WITH LINER THAT MEETS ASHRAE 90.1,

FACTORY-INSULATED FLEXIBLE DUCTS, FACTORY-INSULATED PLENUMS AND CASINGS, FLEX CONNECTORS, VIBRATION-CONTROL DEVICES, FACTORY-INSULATED ACCESS PANELS AND DOORS.

																		Hybr	rid Split	t System H	eat Pump	Schedule	9														
						Outdoor H	leat Pur	np Unit											•		•				Fan C	Coil Unit											
Unit	N	Outdoor		Newine			Out D	в			МСА	моср	Fare	Call						Casling Dat		Performance Ambient	@ 47ºF OA	Heating	Performanc Ambient	e @ 0ºF OA	Sup	ply Fan		Auxilliary El	ectric Heat				11		
Tag	Manufacture	Tag	Model Num	ber SEER	HSPF	Nominal Ton	°F	Stage	s Voltage	Phase	Amps	1 1	Weight Fan T	ag	Model Number	Orientatior	n CFM	OACFN	M ESP	Cooling Rate Capacity (ME		LAT DB (°F)	МВН	EAT DB (°F)	LAT DB (°F)	МВН	Motor HP	Motor FLA	Model Number	Electric Heater Voltage	Heater kW	V Circuit	(Amps)	it MCA Unit MOCP Unit Amps) (Amps) Voltage	Phase (Ibs)	ht Accessories	
SYS-01	Carrier	HP-A-1.5	38MARBQ18	AA3 17	11	1.5	95	Var.	208/230	1	16	25	101 1	-A-1.5 (W)	FMA4X1800AL	Vertical	600	90	0.5"	18.0	70.0	99.6	19.2	62.9	86.4	15.2	1/3	0.5	EHK205B	240	5	Single	28.5	30	240	1 101	
SYS-03	Carrier	HP-A-2	38MARBQ24	A3 15	10	2.0	95	Var.	208/230	1	25	35	135 AHU (7.5		FMA4X2400AL	Vertical	750	113	0.5"	22.0	70.0	102.3	26.2	62.9	91.5	23.2	1/3	0.6	EHK208B	240	7.5	Single	41.5	45	240	1 101	
SYS-03	Carrier	HP-A-2	38MARBQ24	AA3 15	10	2.0	95	Var.	208/230	1	25	35	135 AHU (10	J-A-2 KW)	FMA4X2400AL	Vertical	750	113	0.5"	22.0	70.0	102.3	26.2	62.9	91.5	23.2	1/3	0.6	EHK210B	240	10	Single	54.5	60	240	1 101	
2. VAR	PMENT SUPPOR ABLE SPEED (IN)	ERTER) COMP	RESSOR	COORDINATE	EXACT TYP	PE WITH THE DEV	ELOPER.	·				· · ·						<u>.</u>	·														÷			i	

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

- MECHANICAL SPECIFICATIONS General a. Refer to architectural drawings, general notes, instructions to bidders, general conditions, supplementary general conditions, base building specifications and drawings, shop drawing manuals and as-built plans, except as noted herein, which apply in all respects to this section. The contractor shall visit the site and familiarize himself with all existing conditions prior to bidding the work 2. Use of Drawings And Specifications
- a. EBS drawings and specifications are intended to convey design intent only. All means and methods sequences, techniques, and procedures of construction as well as any associated safety precautions and programs, and all incidental and temporary devices required to construct the project, and to provide a complete and fully operational mechanical system are the responsibility of the mechanical contractor.
- 3. Standards a. Equipment and materials shall conform with appropriate provisions of AGA, ARI, ASME, ASTM, CISPI, UL, NEMA, ANSI, SMACNA, ASHRAE, NFPA, NEC, as applicable to each individual unit or assembly. All equipment must bear UL label.
- 4. License / Experience a. Contractor must be licensed by the state to install HVAC systems/equipment. Contractor must also have a minimum of 5 years of experience and have installed at least (5) successful project installations of similar size and scope. References must be provided upon request.
- 5. Codes a. All work shall be performed in strict accordance with all applicable state and local codes and ordinances. The mechanical contractor shall satisfy code requirements at a minimum without any extra cost to the owner. In case of conflict between the drawings/specifications and the codes and ordinances, the highest standard shall apply. 6. Permits and Fees
- a. The mechanical contractor shall procure and pay for all permits, fees, taxes, and inspections necessary to complete the mechanical work. Furnish certificate of approval for work from inspection authority to owner before final acceptance for work. Certificate of final inspection and approval shall be submitted with the contractor's request for payment. No final payment will be approved without this certificate.
- 7. Site Examination a. The mechanical contractor shall thoroughly examine all areas of work where equipment, ductwork, and piping will be installed and shall report any condition that, in his opinion, prevents the proper installation of the mechanical work prior to bid. Contractor shall also examine the drawings and specifications of other branches of work, making reference to them for details of new or existing building conditions. No extras will be allowed for failure to include all required work in bid. b. All work shall be done at times convenient to the owner and only during normal working hours, unless specified otherwise.
- c. Mechanical contractor shall take their own measurements and be responsible for them.
- d. Access panels are not shown on drawings. During site examination, contractor shall identify all areas where access panels are required, and report to general contractor. Designation of who furnishes and who installs access panels must be coordinated with general contractor prior to starting work. 8. Contractor Coordination
- a. Coordination drawings showing system and component installation layout, routing, details, etc. Shall be produced by the mechanical contractor and under the supervision of the general contractor/construction manager, or appropriate party as applicable.
- b. All systems installed by each sub-contractor shall be coordinated with one another and approved by general contractor/construction manager, etc. prior to installation and/or fabrication.
- c. If questions concerning design intent arise during coordination, EBS can assist where appropriate. d. The architectural drawings shall take precedence over all other drawings. Do not scale distances off the mechanical drawings; use actual building dimensions.
- 9. Shop Drawings / Submittals a. Submit to the architect electronic copies of complete and certified shop drawings, descriptive data, performance data and
- ratings, diagrams and specifications on all specified equipment, including accessories, and materials for review. The make, model number, type, finish and accessories of all equipment and materials shall be reviewed and approved by the mechanical contractor and general contractor prior to submitting to the architect for their review and approval. Approval of shop drawings does not relieve the mechanical contractor/vendor from compliance with the requirements of the contract drawings, specifications and applicable codes.
- b. Shop drawings shall be required for the following:
- HVAC equipment Fans
- •Diffusers, registers, grilles, dampers, louvers, and all sheet metal accessories
- Temperature controls Sheet metal coordination drawings
- Air balance report
- c. Products installed by the mechanical contractor and provided by others must be submitted for review prior to purchasing. Products shall not be selected based on permit drawings without express permission - products shall be selected based on construction drawings.
- 10. Record Drawing
- a. The mechanical contractor shall be responsible for creating record drawings where required. Drawings shall be produced
- in Autocad 2004 format or later. 11. Testing
- a. All mechanical systems shall be tested for proper operation.
- 12. Fire Stopping
- a. Provide fire stopping at all penetrations through rated separations per local codes & regulations & per UL recommendations for assemblies encountered in project. b. The fire stopping material shall meet the integrity of the fire rated wall, floor, ceiling & roof being penetrated. Refer to architect's drawings for wall, floor, ceiling & roof fire ratings prior to bidding work. c. Refer to architect's drawings for wall, floor, ceiling, and roof fire ratings prior to bidding work.
- 13. Access Panels
- a. Provide ceiling and wall access panel quantities & locations to the general contractor prior to bidding. Access panels are required for all concealed appliances, controls devices, heat exchangers and HVAC system components that utilize energy. Where access panels are used, the access panel should be sized to allow accessibility for inspection, service. repair and replacement without disabling the function of a fire-resistance-rated assembly or removing permanent construction, other appliances, venting systems or any other piping or ducts not connected to the appliance being inspected, serviced, repaired or replaced. There shall be no extras for having to add access panels after bids are awarded.
- 14. Cutting and Patching a. Neatly do all cutting as required and patch all cut surfaces to match building construction. The contractor shall employ and

- contractor shall pay all fees required. 15. Flashing & Counterflashing
- installed by the mechanical contractor. Coordinate work with roofing contractor and pay all fees. penetrations so that warranties are not compromised or voided. 16. Warranty
- repair or replace any defective work promptly and without charge to the owner.
- 17. Mechanical Work conditions of the listing, the manufacturer's installation instructions, and the applicable code.
- 18. Owner's Instructions
- 19. Finale controls, ductwork/piping, air devices, etc.
- 20. Sheetmetal Ductwork long.
- 21. Adhesives and Sealants
- when tested according to UL 723.
- tape sealing system. 22. Duct Supports
- ductwork.
- 23. Flexible Connections
- 24. Duct Manual Volume Dampers
- volume dampers must be shown on coordination drawings when submitted for review. 25. Duct Access Doors
- 26. Diffusers, Grilles and Registers
- installation in the type of ceiling and walls used in this project. 27. Exhaust Fan
- schedules for unit location, technical data, and any applicable accessories. 28. Ducted Split Systems
- standard warranty. b. Split system manufacturer shall be Tempstar, Carrier, Goodman, or engineered equal.
- 29. Condensate Drain Piping
- uninhabitable spaces (i.e. attics and crawl spaces), provide controls that will shut down the air equipment if the condensate pump fails.
- shut down the unit when the condensate is clogged.. 30. Piping Supports (Metal Pipe)
- 31. Piping Supports (Plastic Pipe)
- A. Furnish and install hangers for plastic piping per manufacturer's requirements.

3. FACTORY INSTALLED BASE PAN HEATER

4. FACTORY INSTALLED CRANKCASE HEATER 5. LOW VOLTAGE CONTROLS

6. AUTO-RESTART FUNCTION

12. PIPING ADAPTER KIT TO FACILITATE PIPING INSTALLATION WHEN MATCHED WITH FMA4 INDOOR UNIT

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

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

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

b. Restore any other existing work damaged in the course of repairing defective equipment, materials and workmanship.

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

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

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"

a. Seal all longitudinal and transverse duct joints with a UL 181A or 181B non-hardening, non-migrating mastic or liquid elastic sealant of a type recommended by the manufacturer for sealing joints and seams in sheet metal ductwork. Cover all field joints, joints around spin-in fittings and fastening screws with mastic. All sealants and gaskets shall have surface-burning characteristics with a maximum flame-spread index of 25 and a maximum smoke-developed index of 50

b. Exposed Ductwork: trim duct sealants flush with metal. Create a smooth and uniform exposed bead. Do not use two-part

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

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

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

A.Furnish and install conveniently located duct access doors of ample size and quantity for servicing the dampers.

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

A.Fan manufacturer shall be Panasonic, Broan, Cook, Greenheck, or engineered approved equal. Refer to drawings and

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

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

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

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

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 drawings.

33. Testing, Balancing, and Adjusting

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

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. •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.

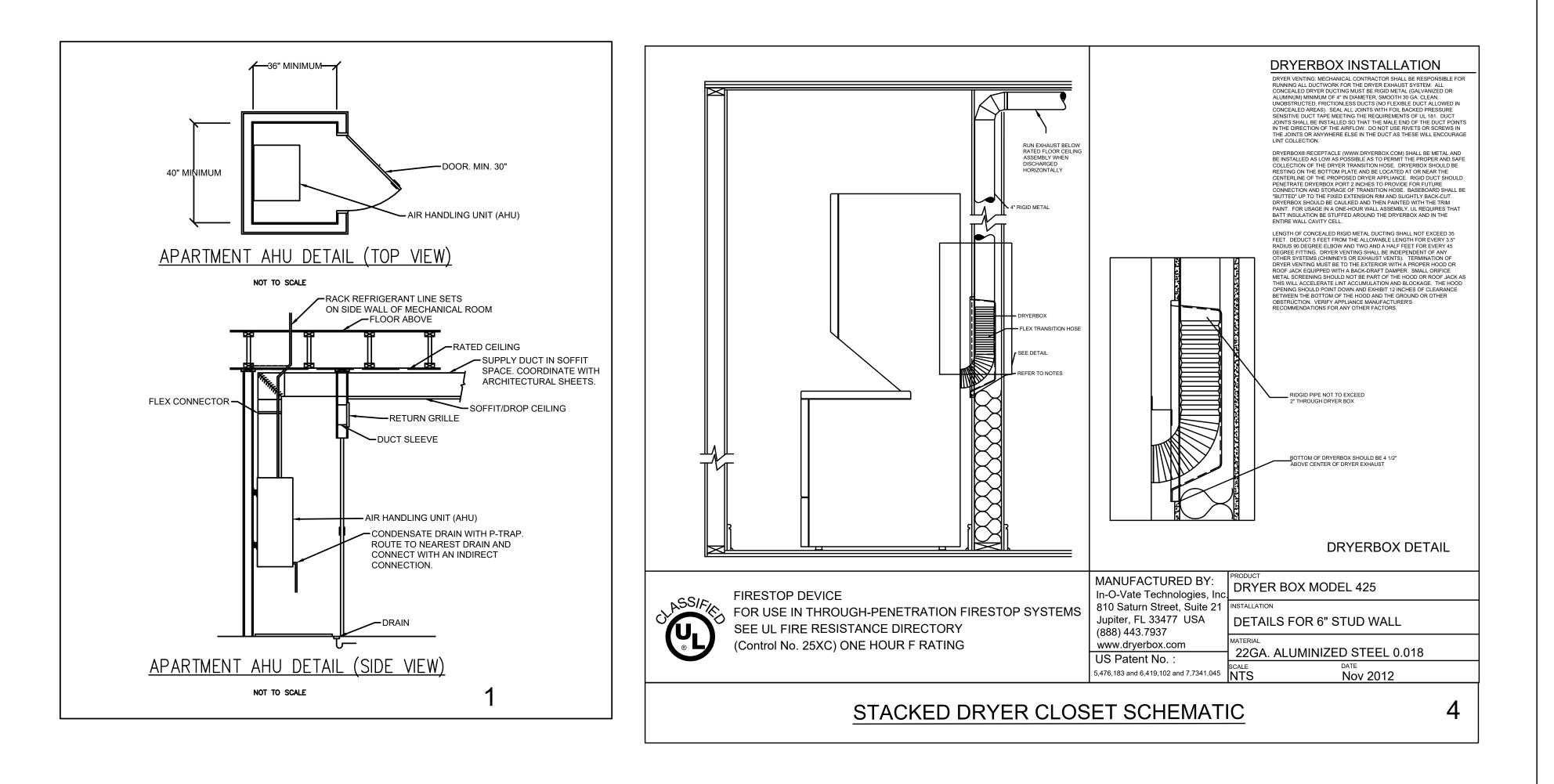
•AHU/HP-2:

•Heating mode - indoor air handler shall be controlled from a thermostat in the space. When the thermostat calls for heating the fan shall run and the heat pump in heating mode shall run to maintain temperature setpoint. If the heat

pump cannot maintain temperature in the space, the electric heat kit shall energize until set point is reached. When the setpoint is reached the unit shall shut off.

•Cooling mode - when the thermostat calls for cooling the heat pump unit shall run in cooling mode, the air handler fan shall run, and the dx cooling coil shall cool the air to maintain temperature setpoint. •Dh-1:

•Hot Pod to be controlled/energized be dedicated wall Switch. When space is occupied, and switch flipped fan to run. Duct heater to energize only when fan is running and duct stat senses temperature below 40 degrees.



	FAN SCHEDULE														
TAG	TYPE	AREA SERVED	MANUFACTURER	MODEL	DRIVE	CFM	ESP	WATTS	RPM	VOLT/PHASE	MCA	MOUNTING	WEIGHT	NOTES	
E-1	EXHAUST	RESTROOMS	PANASONIC	FV-0511VF1	DIRECT	50	0.25	7.1	1152	120/60/1	0.29	CEILING	11.8	1	
2. BACKI	. FANS INSTALLED IN RATED CEILINGS TO BE PROVIDED AND INSTALLED WITH CEILING RADIATION DAMPER. REFER TO ARCHITECTURAL PLANS FOR RATED CEILING ASSEMBLIES. BACKDRAFT DAMPER. BIRD/BUG SCREEN														

				HEATE	RS							
TAG	TYPE	AREA SERVED	MANUFACTURER	MODEL	HEAT-MBH	FUEL	HEAT-KW	VOLT/PHASE	FLA	MOUNTING	WEIGHT	NOTES
DH-1	DUCT HEATER	REFER TO PLANS	HOTPOD	HP6-1000120-2T	3.4	ELECTRIC	1	120/1/60		INLINE	7	1,2
1. DUCT STAT	Г											

2. REPLACEABLE FILTER

	NATURAL VENTILATION SCHEDULE														
			141 G	Soethe ST.											
UNIT	ROOM NAME	AREA	DOOR OPENABLE AREA [SQ. FT]	WINDOW OPENABLE AREA [SQ. FT]	UNOBSTRUCED OPENING	TOTAL OPENABLE AREA	4% OF FLOOR AREA	8% OF FLOOR AREA							
UNIT 1	BEDROOM1	169	0	18	N/A	18	7	N/A							
UNIT 1	LOWER LIVING	87	0	18	N/A	18	3	N/A							
UNIT 1	DINING	219	0	18	N/A	18	9	N/A							
UNIT 1	UPPER LIVING	359	21	18	N/A	39	14	N/A							
UNIT 1	BEDROOM2	167	0	19	N/A	19	7	N/A							
UNIT 1	BEDROOM 3	199	0	19	N/A	19	8	N/A							
UNIT 1	BEDROOM4	180	0	19	N/A	19	7	N/A							
UNIT 1	STAIRS	71	0	9	N/A	9	3	N/A							
	NA	ATURAL VENTIL	ATION CALCUL	ATIONS PER SI	EC 402.1 OF 2017	OMC									

NATURAL VENILATION OF THE OCCUPIED SPACE SHALL BE THROUGH WINDOWS, DOORS, OR OTHER OPENINGS TO THE SPACE. THE OPERATING MECHANISIM FOR SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS SO THAT THE OPENINGS ARE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS. VENTILATION CALCULATIONS PER OMC 2017 TABLE 403.3.1.

MECHANICAL EXHAUST SCHEDULE - 2017 OHIO MECHANICAL CODE

				1	41					
						FIXT	JRES		TOTAL	TOTAL
UNIT NUMBER	ROOMNAME	OCCUPANCY CLASSIFICATION	AREA (ft2)	EXHAUST AIRFLOW RATE (CFM/ft2)	EXHAUST RATE PER FIXTURE (CFM)	LOWER CONTINUOUS RATE?	HIGHER INTERMITTENT RATE?	QTY. OF FIXTURES	EXHAUST AIRFLOW REQ. (CFM)	EXHAUST
-	-	PRIVATE DWELLING - TOILET ROOMS	-	-	25/50	NO	YES	1	50	50
*EXHAUST CAL	CULATIONS PER OMC 2017 T					-				



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 513.396.8900

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

HTCTC - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

CITY GOSPEL MISSION



E-77755

REVISION		
	DESCRIPTION	DATE

ISSUED FOR PERMIT 06-27-2023 SHEET NAME MECHANICAL DETAILS SHEET NO.

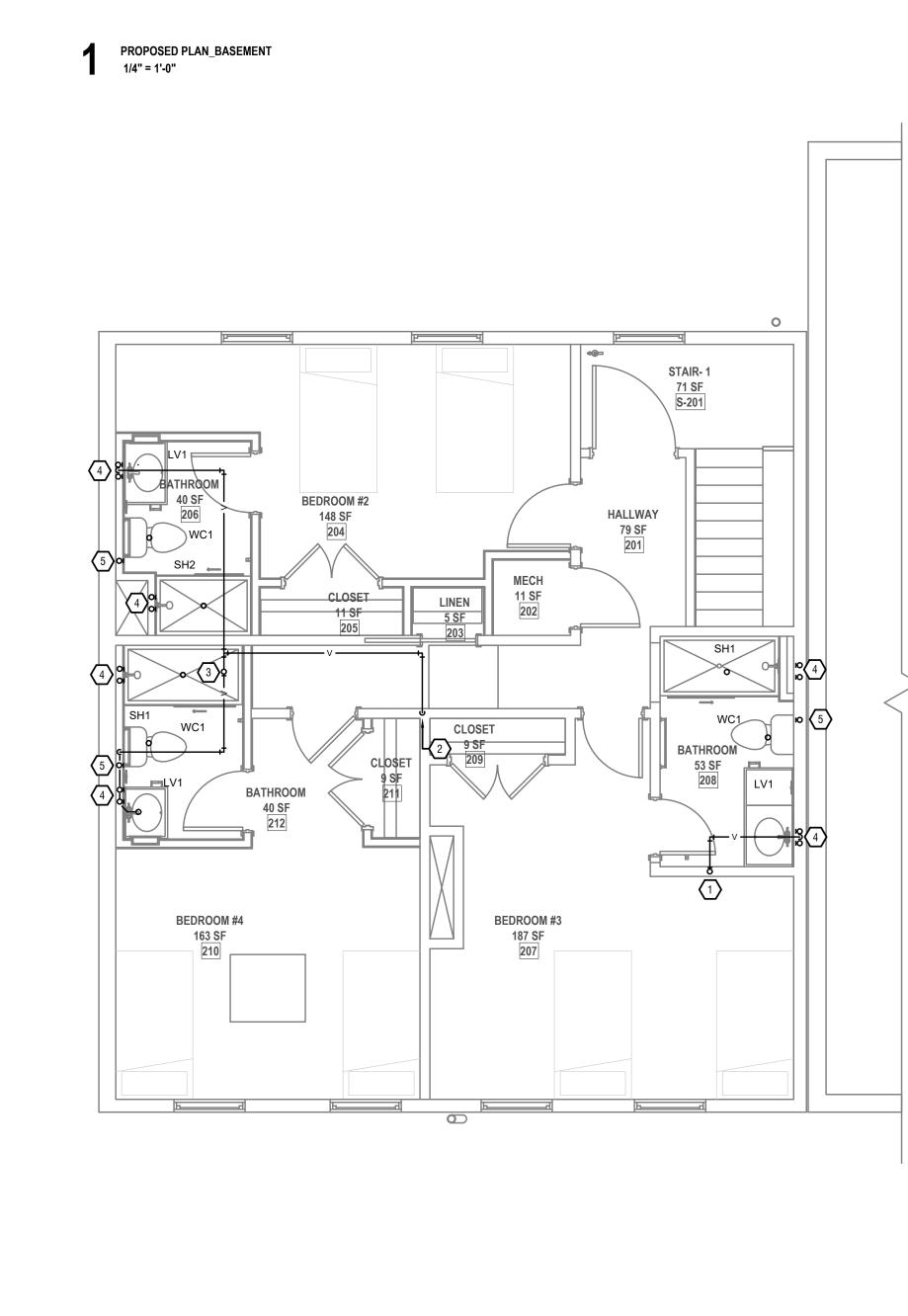
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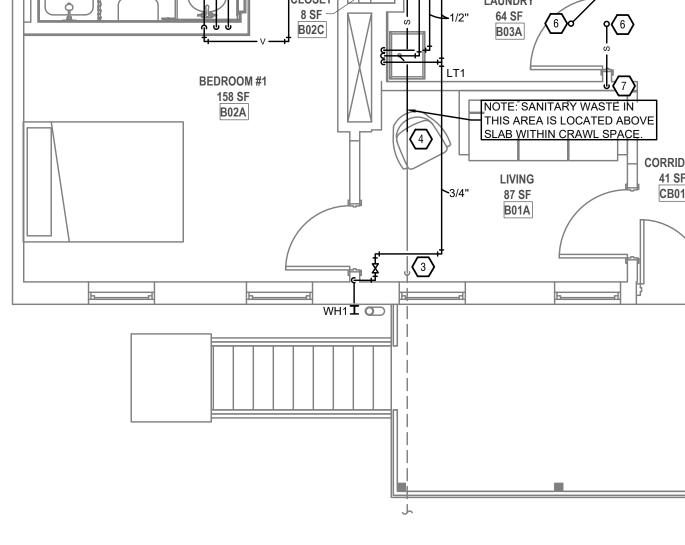


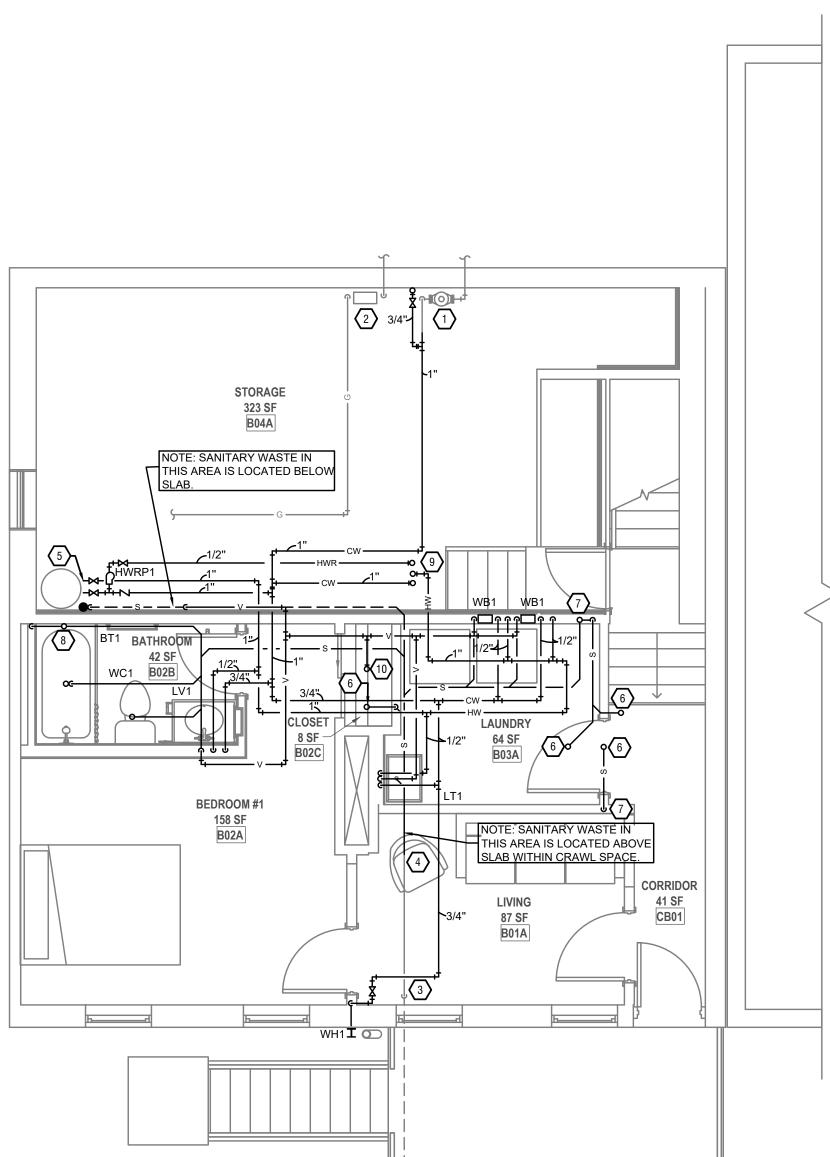
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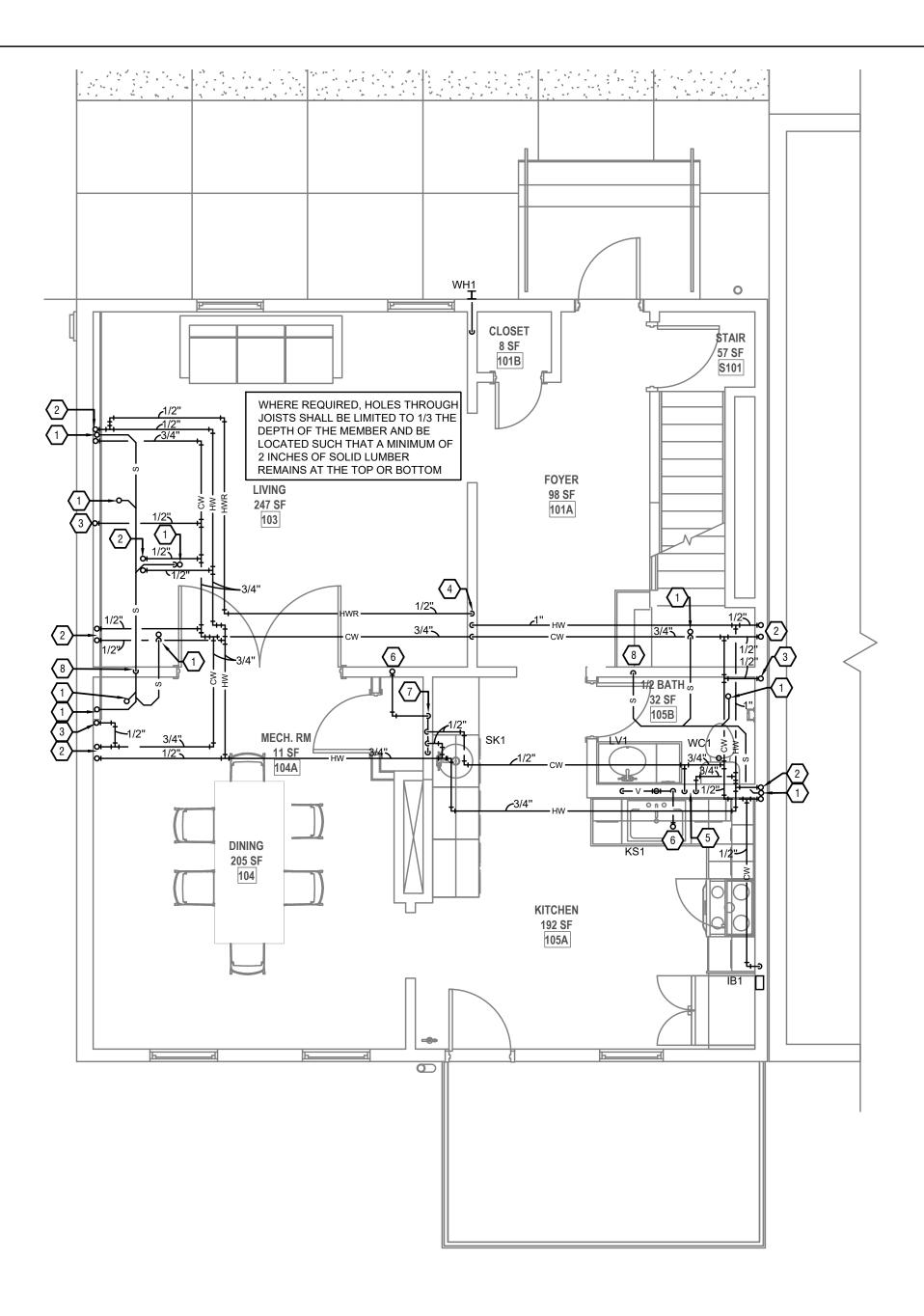
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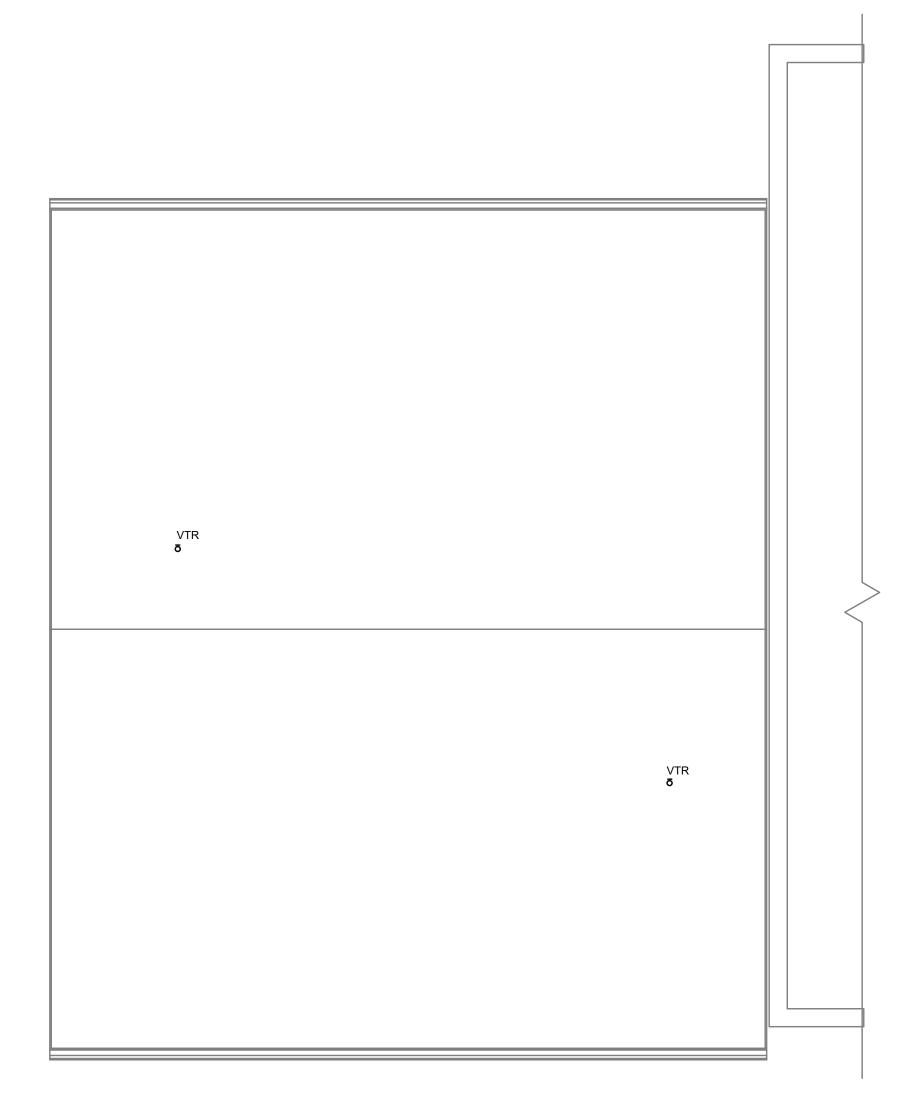








2 PROPOSED PLAN_LEVEL 1 1/4" = 1'-0"



BASEMENT

PLUMBING KEYED SHEET NOTES

- 1. EXISTING TO REMAIN 3/4" BRANCH SERVICE WITH 5/8" METER.
- . EXISTING TO REMAIN GAS METER, SERVICE AND GAS PIPING TO GAS WATER HEATER.
- . EXISTING TO REMAIN SANITARY LATERAL. CONTRACTOR TO SCOPE/CAMERA AND CLEAN LATERAL.
- A. CONNECT NEW SANITARY WASTE LINE TO EXISTING SANITARY MAIN. . CONNECT NEW COLD AND HOT WATER TO EXISTING TO REMAIN GAS WATER
- HEATER. WASTE DOWN FROM FIXTURE LOCATED ABOVE. ROUTE WASTE IN CEILING TO
- ADJACENT WALL. WASTE DOWN FROM LEVEL ABOVE. CONTINUE WASTE DOWN TO CRAWL
- SPACE. 8. WASTE STACK DOWN FROM LEVEL ABOVE.
- 9. COLD, HOT AND HOT WATER RETURN UP TO LEVEL ABOVE. 10. VENT UP TO LEVEL ABOVE.

FIRST FLOOR

PLUMBING KEYED SHEET NOTES

- . WASTE DOWN FROM FIXTURE LOCATED DOWN.
- 2. COLD WATER AND HOT WATER SUPPLY UP TO FIXTURE LOCATED ABOVE. 3. COLD WATER UP TO FIXTURE LOCATED ABOVE.
- 4. COLD, HOT AND HOT WATER RETURN UP FROM BASEMENT.
- 5. 3/4" COLD AND HOT WATER DOWN. PROVIDE 1/2" COLD AND HOT WATER TO LAVATORY AND SINK. PROVIDE 1/2" COLD WATER TO WATER CLOSET.
- 6. VENT UP TO LEVEL ABOVE.
- 7. VENT UP FROM LEVEL BELOW. 3. WASTE DOWN TO LEVEL BELOW.

SECOND FLOOR

- VENT UP FROM LEVEL BELOW. CONTINUE VENT UP TO VENT THROUGH ROOF.
- REFER TO ISOMETRIC FOR SIZING. 2. VENT UP FROM LEVEL ABOVE.
- 3. VENT UP TO VENT THOUGH ROOF. REFER TO ISOMETRIC FOR SIZING.
- 4. COLD WATER AND HOT WATER SUPPLY UP FROM BELOW. PROVIDE 1/2" COLD AND HOT WATER TO FIXTURE.
- 5. COLD WATER UP FROM BELOW. PROVIDE 1/2" COLD WATER TO FIXTURE.



06-27-2023 SHEET NAME PLUMBING FLOOR PLANS SHEET NO.

P1.00

ISSUED FOR

PERMIT

REVISION



DATE

ENGINEERED BUILDING SYSTEMS INC. MATE OF OH SEVERT STILKEY E-77755



ARCX STUDIO PROJECT NUMBER 2301

CITY GOSPEL MISSION

STRUCTURAL ENGINEER ADVANTAGE GROUP ENGINEERS, INC. 1527 MADISON RD, 2ND FLOOR, CINCINNATI, OH 45206 513.396.8900

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

ARCHITECT & INTERIOR DESIGN



CIVIL ENGINEER

	IERAL PLUMBING REQUIREMENTS THE PLUMBING CONTRACTOR MUST REFER TO SITE PLANS, ARCHITECTURAL PLANS AND ELEVATIONS, AND PRICING INSTRUCTIONS
	FROM THE GENERAL CONTRACTOR TO DEVELOP THEIR PRICE. THE PLUMBING CONTRACTOR'S PRICE (INCLUDING TAXES) SHOULD INCLUDE ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIONAL PLUMBING SYSTEM.
b.	THE PLUMBING CONTRACTOR SHALL BE LICENSED BY THE STATE OF OHIO TO INSTALL PLUMBING SYSTEMS.
c.	ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL CODES AND ORDINANCES. IN CASE OF
	CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES 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 CONDITIONS, SPECIFICATIONS, AND DRAWINGS EXCEPT AS NOTED HEREIN
f	WHICH APPLY IN ALL RESPECTS TO THIS SECTION. COORDINATE PIPING CHASES, SHAFTS, ABOVE CEILING WORK, ETC. WITH
1.	ARCHITECT. ALL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO WORK.
Č	THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY PLUMBING PIPING PENETRATIONS. THIS INCLUDES CORING
	HOLES IN SLABS, ETC. EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE
	PROVISIONS OF AGA, ARI, ASME, ASTM, CISPI, UL, NEMA, ANSI, SMACNA, ASHRAE, NFPA, NEC, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY. ALL EQUIPMENT MUST BEAR UL LABEL.
i.	INSTALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES.
j.	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 BE 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 EQUIPMENT 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.
	NO PIPING SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHITECT. 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).
	OF INFORMATION PROVIDED BY EBS THE INFORMATION PROVIDED IS INTENDED TO CONVEY DESIGN INTENT
	ONLY. ALL MEANS AND METHODS, SEQUENCES, TECHNIQUES, AND PROCEDURES OF CONSTRUCTION AS WELL AS ANY ASSOCIATED SAFETY
	PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL AND TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT, AND TO PROVIDE A COMPLETE AND FULLY OPERATIONAL PLUMBING SYSTEM ARE THE
ıں	RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
	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
T	ASSIST WHERE APPROPRIATE. MBING FIXTURES
a.	SHUT OFF VALVES/STOPS SHALL BE PROVIDED AT ALL LAVATORIES, SINKS AND WATER CLOSETS.
	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
c.	ANCHORED TO WOOD BLOCKING. COORDINATE COLOR OF FIXTURES WITH ARCHITECT. FIXTURES SHALL BE
d.	WHITE UNLESS OTHERWISE NOTED. 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
L A	COUNTERTOP WITH SILICONIZED ACRYLIC-LATEX CAULK. AIN PANS
	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.
	IESTIC WATER SYSTEMS NEW FIXTURES SHALL BE CONNECTED TO THE EXISTING WATER
	SERVICE/MAIN. INTERIOR DOMESTIC WATER PIPING:
	WHERE ALLOWED BY CODE, CPVC PIPING CAN BE USED. CPVC PIPING 2" AND SMALLER SHALL BE EQUAL TO FLOW GUARD GOLD -
••	THIS SPECIFICATION COVERS COPPER TUBE SIZE (CTS) CPVC MANUFACTURED TO STANDARD DIMENSIONAL RATIO (SDR) 11 FOR HOT
	AND COLD DOMESTIC WATER DISTRIBUTION. THIS SYSTEM IS INTENDED FOR PRESSURE APPLICATIONS WHERE THE OPERATING TEMPERATURE
	WILL NOT EXCEED 180°F AT 100 PSI. PIPE AND FITTINGS SHALL BE MANUFACTURED FROM VIRGIN RIGID CPVC (CHLORINATED POLYVINYL CHLORIDE) VINYL COMPOUNDS WITH A CELL CLASS OF 24448 AS
	IDENTIFIED IN ASTM D 1784. CTS CPVC PIPE AND FITTINGS SHALL CONFORM TO ASTM D 2846. PIPE AND FITTINGS SHALL BE MANUFACTURED
	AS A SYSTEM AND BE THE PRODUCT OF ONE MANUFACTURER. ALL PIPE AND FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES. PIPE
	AND FITTINGS SHALL CONFORM TO NATIONAL SANITATION FOUNDATION (NSF) STANDARDS 14 AND 61. INSTALLATION SHALL COMPLY WITH LATEST INSTALLATION PROVIDED BY THE MANUFACTURER AND SHALL
	CONFORM TO ALL LOCAL PLUMBING, BUILDING AND FIRE CODE REQUIREMENTS. BURIED PIPE SHALL BE INSTALLED IN ACCORDANCE
	WITH ASTM F 1668. SOLVENT WELD JOINTS SHALL BE MADE USING CPVC CEMENT CONFORMING TO ASTM F 493. YELLOW ONE-STEP CEMENT MAY
	BE USED WITHOUT PRIMER. IF A PRIMER IS REQUIRED BY LOCAL PLUMBING OR BUILDING CODES, THEN A PRIMER CONFORMING TO ASTM F 656 SHOULD BE USED. THE SYSTEM SHALL BE PROTECTED FROM
	CHEMICAL AGENTS, FIRE STOPPING MATERIALS, THREAD SEALANT, PLASTICIZED VINYL PRODUCTS OR OTHER AGGRESSIVE CHEMICAL
	AGENTS NOT COMPATIBLE WITH CPVC COMPOUNDS. SYSTEMS SHALL BE HYDROSTATICALLY TESTED AFTER INSTALLATION. NEVER TEST WITH OR
c.	TRANSPORT/STORE COMPRESSED AIR OR GAS IN CPVC PIPE OR FITTINGS. CONTROL VALVES SHALL BE MANUFACTURED BY OR APPROVED BY
d.	PIPING MANUFACTURER. ADJUST ALL STOPS AND VALVES PROPERLY PRIOR TO PROJECT
۸,	COMPLETION. FER HAMMER ARRESTORS/SHOCK ABSORBERS
n .	

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
201.
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 TRAP
- 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 WATTS.
- 13. HANGERS & SUPPORTS a. THE PLUMBING CONTRACTOR MUST FURNISH ALL PIPE SUPPORTS REQUIRED FOR THEIR WORK. ALL PIPING SHALL BE SUPPORTED PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED WHERE REQUIRED TO PREVENT SAGGING. WHERE ALTERNATIVE PIPING MATERIALS ARE USED, HANGER SPACING CAN BE REDUCED AS RECOMMENDED BY THE MANUFACTURER AND WHERE ALLOWED BY CODE. 14. INSULATION
- a. PROVIDE THERMAL INSULATION ON ALL DOMESTIC HOT WATER, PIPING WITH SELF-SEALING CLOSED CELL ELASTOMERIC FOAM. PROVIDE A CONTINUOUS VAPOR TIGHT SEAL. INSULATION SHALL BE CONTINUOUS THRU ALL WALLS AND FLOORS. NFPA FIRE HAZARD RATING FOR INSULATION, ADHESIVES, SEALERS, AND COATINGS MUST NOT EXCEED 25 FOR FLAME SPREAD AND 50 FOR SMOKE DEVELOPED. UNLESS OTHERWISE REQUIRED BY THE 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 WITH A SHROUD) a. ALL HANDICAP LAVATORY P-TRAP AND ANGLE STOP ASSEMBLIES SHALL BE INSULATED WITH TRAP WRAP PROTECTIVE KIT MANUFACTURED BY PROFLO MODEL PF200 SERIES OR EQUAL. PROVIDE OFFSET TRAPS FOR HANDICAP ACCESSIBLE FIXTURES WHERE REOUIRED. ABRASION RESISTANT, ANTI-MICROBIAL VINYL EXTERIOR COVER SHALL BE SMOOTH. FOR TRAPS, THE INSULATION MUST HAVE A CLEANOUT NUT CAP TO ALLOW SERVICE TO THE TRAP WITHOUT DISASSEMBLY. FOR STOPS, THE INSULATION MUST HAVE A LOCK LID THAT PREVENTS TAMPERING BUT ALLOWS ACCESS WITHOUT REMOVAL OF THE INSULATION. FASTENERS MUST REMAIN SUBSTANTIALLY OUT OF SIGHT. ACCEPTABLE MANUFACTURERS INCLUDE PROFLO, TRUEBRO, PLUMBEREX, AND
- DEARBORN. 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 PENETRATIONS. b. OBTAIN APPROVAL FROM GENERAL CONTRACTOR, CONSTRUCTION MANAGER, OWNER AND/OR ROOFING CONTRACTOR PRIOR TO MAKING ANY PENETRATIONS SO THAT WARRANTIES ARE NOT COMPROMISED OR
- VOIDED. 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 BANK-RUN GRAVEL.

22. CUTTING AND PATCHING
a. CUT AND PATCH WALLS AND FLOORS TO MATCH BUILDING
CONSTRUCTION WHERE REQUIRED TO INSTALL ALL PLUMBING.

23. CONNECTIONS a. INSTALL UNIONS AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT. INSTALL DIELECTRIC COUPLINGS TO CONNECT PIPING MATERIALS OF

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

- a. ALL PLUMBING WORK SHALL BE TESTED & APPROVED BY INSPECTOR PRIOR TO BEING BACKFILLED, CONCEALED & PUT INTO SERVICE. AFTER TESTING IS COMPLETE & APPROVED, THE PLUMBING CONTRACTOR MUST DISINFECT THE POTABLE WATER SYSTEM AS REQUIRED BY LOCAL AUTHORITY. TEST WATER PURITY ACCORDING TO LOCAL REQUIREMENT 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 EQUIPMENT, INCLUDING ACCESSORIES, AND MATERIALS FOR REVIEW.
- b. THE MAKE, MODEL NUMBER, TYPE, FINISH & ACCESSORIES OF ALL EQUIPMENT AND MATERIALS SHALL BE REVIEWED & APPROVED BY THE PLUMBING CONTRACTOR & GENERAL CONTRACTOR PRIOR TO
- SUBMITTING TO THE ARCHITECT FOR THEIR REVIEW & APPROVAL. c. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE PLUMBING CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS O THE CONTRACT DRAWINGS, SPECIFICATIONS & APPLICABLE CODES.
- 27. OWNER'S INSTRUCTIONS

END OF DIVISION 22 - PLUMBING

DISSIMILAR METALS.

25. TESTING

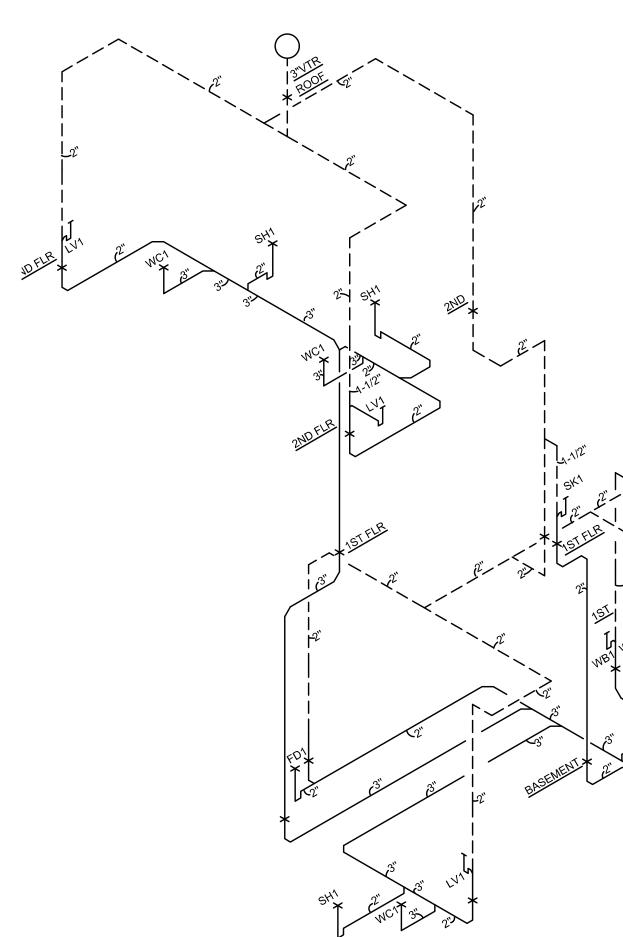
- a. PROVIDE TWO SETS OF COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS WITH DRAWINGS, TYPEWRITTEN INSTRUCTIONS AND OPERATING SEQUENCES AND DESCRIPTIVE DATA SHEETS. ASSEMBLE EACH SET IN A HARD-BOUND COVER. 28. WARRANTY
- a. THE PLUMBING CONTRACTOR MUST UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF 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 WH1 WALL HYDRANT WOODFORD MFG. B-65 N/A N/A WATTS, ZURN 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.

							WATER CL	OSET SCHEDUL	E								
ſ	MARK	WATER CLOSET DESCRIPTION		XTURE JFACTURER	FIXTURE MODEL	÷	STYLE	CONTROL	FLOW RATE	E SEAT-TYPE	ACCEPTABLE	MANUFACTURERS	ADDITIONAL INFORMATION				
	WC1	FLOOR-SET TANK-TYPE		1ERICAN ANDARD	VORMAX 238AA.1	04 ELO	ONGATED	MANUAL	1.28	CLOSED		TANDARD, KOHLER, ZURN]			
									LA	AVATORY / SINH	K SCHEDULE						
	MARK	LAVATORY DESCRIPTIC	ON	FIXTURE MANUFACTU	FIXTURE RER MODEL		AUCET UFACTURER	FAUCET MODEL	FLOW RATE	DRAI	IN	APPROVED FIXTU MANUFACTURE		D FAUCET MA	NUFACTURERS	ADDITIONAL INF	ORMATION
	LV1	UNDERMOUNT LAVATO	ORY	AMERICAN STANDARE			MERICAN ANDARD	RELIANT 7385.00	1.2	POP-U	UP	AMERICAN STAND KOHLER, ZURN		ICAN STANDA	ARD, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED V	
	LT1	UTILITY SINK		MUSTEE	12C	N	IUSTEE	12C	1.5			-		-		-	
	KS1	KITCHEN SINK		GLACIER BA	Y VUR3118A1 ACC		MERICAN ANDARD	9319300.002	1.5			AMERICAN STAND KOHLER, ZURN		ICAN STANDA	ARD, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED V	
	SK1	BREAK SINK		DAYTON	D11719		MERICAN ANDARD	9319300.002	1.5			AMERICAN STAND KOHLER, ZURN		ICAN STANDA	ARD, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED V	
									MIS	CELLANEOUS F	IXTURE SCHEDU	JLE					
	MARK	FIXTURE DESCRIPTION	XTURE DESCRIPTION FIXTURE FIXTURE MODEL MAN						JCET MODEL	FLOW RATE		ACTURERS	APPROVED FAUCET MAN			ADDITIONAL INFORM	IATION
	BT1	30X60 BATH TUB		AMERICAN STANDARD	OVATION 264	17212	AMERI STAND	ARD T	RELIANT 3 103385508	1.75	N	/A	ILER, AMERICAN STANDA POWERS, DELT	Á	,		
	SH1	30X48 SHOWER STALL		AMERICAN STANDARD	OVATION B801	5A-ST3	AMERI STAND		RELIANT 3 TU385507	1.75	N	I/A KOF	ILER, AMERICAN STANDA POWERS, DELT		IS,		
	SH2	30X60 SHOWER STALL		AMERICAN STANDARD	OVATION B801	A-ST3L	AMERI STAND		RELIANT 3 TU385507	1.75	N	I/A KOF	ILER, AMERICAN STANDA POWERS, DELT		IS,		
									DRAIN	SCHEDULE							
	MARK	DESCRIPTION	1		ASE ACTURER	MODEL	#		FINISH				NAL FEATURES		ACCEPTABLE N	MANUFACTURERS	
	FD1	FLOOR DRAIN (FINISHE	S) SIOU	(CHIEF	833-N	R	PVC BODY, N	NICKEL-BRON	ZE STRAINER	DOUBLE		TRAP PRIMER, SQUARE S D IN TILE FLOOR	TRAINER IF	SIOUX CHIEF, O	ATEY, NSF, JUMBO		
		- 1		_ =						IS FIXTURE SCH	1						
	MARK	FIXTURE DESCRIPT	ION	FIXT MANUFA		XTURE N	NODEL	FAUCET MANUFACT		UCET MODEL		OVED FIXTURE IUFACTURERS	APPROVED FAU MANUFACTUR		ADDITIONAL IN	NFORMATION	
	IB1	FIRE RATED ICE MA SUPPLY BOX		OAT	ΈΥ	384 SEI	RIES	N/A		N/A	SYMMONS, G	UY GRAY, SIOUX CHIE OATEY	F, N/A		PROVIDE FIRE-RATED FIRE-RATE		
ſ											SANAVONE CI		E			DOV 16 INSTALLED IN	

					WATER	CLOSET SCHE	DULE									
MARK	WATER CLOSET DESCRIPTION	FIXTU MANUFAC		IXTURE MODEL #	STYLE	CONTRO	L FLOW R	ATE SEAT-TYPE	AC	CCEPTABLE MANUFACTU	RERS	ADDITIONAL INFORMATION				
WC1	FLOOR-SET TANK-TYPE	AMERI STAND		DRMAX 238AA.104	ELONGATED	MANUA	_ 1.28	CLOSED	AM	IERICAN STANDARD, KOH ZURN	iler,					
								LAVATORY / SI	NK SCH	HEDULE						
MARK	LAVATORY DESCRIPTIO	MA	FIXTURE NUFACTURER	FIXTURE MODEL	FAUCET MANUFACTURE	FAUCE MODEL		DR	AIN	APPROVE MANUFA	D FIXTURE CTURERS	APPROVED	FAUCET MANU	JFACTURERS	ADDITIONAL IN	FORMATION
LV1	UNDERMOUNT LAVATO		AMERICAN STANDARD	STUDIO 0614.300	AMERICAN STANDARD	RELIAN 7385.00		PO	P-UP	AMERICAN KOHLEF), SLOAN, AMERIO	CAN STANDARD), KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
LT1	UTILITY SINK		MUSTEE	12C	MUSTEE	12C	1.5						-		-	
KS1	KITCHEN SINK	G	LACIER BAY	VUR3118A1 ACC	AMERICAN STANDARD	9319300.0	002 1.5			AMERICAN KOHLEF), SLOAN, AMERIO	CAN STANDARD), KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
SK1	BREAK SINK		DAYTON	D11719	AMERICAN STANDARD	9319300.0	002 1.5			AMERICAN KOHLEF), SLOAN, AMERIO	CAN STANDARD), KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
								MISCELLANEOUS	FIXTU	IRE SCHEDULE						
MARK	FIXTURE DESCRIPTION		FIXTURE FIXTURE MODE		EL FAU MANUF	CET ACTURER	FAUCET MOD	EL FLOW RA	TE	APPROVED FIXTURE MANUFACTURERS		ROVED FAUCET MANU			ADDITIONAL INFORM	MATION
BT1	30X60 BATH TUB		ERICAN NDARD	OVATION 26447		RICAN DARD	RELIANT 3 TU338550			N/A		R, AMERICAN STANDAR POWERS, DELTA				
SH1	30X48 SHOWER STALL		ERICAN NDARD	OVATION B8015	A-ST3 AME STAN	RICAN DARD	RELIANT 3 TU385507			N/A	KOHLER	R, AMERICAN STANDAR POWERS, DELTA				
SH2	30X60 SHOWER STALL		ERICAN NDARD	OVATION B8014A	-ST3L AME STAN	RICAN DARD	RELIANT 3 TU385507			N/A	KOHLER	R, AMERICAN STANDAR POWERS, DELTA				
														•		
							DR	AIN SCHEDULE								
MARK	DESCRIPTION		BASE MANUFACT		/IODEL #		FINISH	ł		A	DDITIONAL	L FEATURES		ACCEPTABLE N	MANUFACTURERS	
FD1	FLOOR DRAIN (FINISHE	D AREAS)	SIOUX CH	HEF	833-NR	PVC BOD	Y, NICKEL-BR	ONZE STRAINER		DOUBLE DRAINAGE FL IN	,	AP PRIMER, SQUARE ST I TILE FLOOR	RAINER IF	SIOUX CHIEF, O	ATEY, NSF, JUMBO	
																_
		MISCELLANEOUS FIXTURE SCHEDULE														
MARI			FIXTURE MANUFACTU		FURE MODEL	FAL MANUF	CET ACTURER	FAUCET MODE		APPROVED FIXTURE MANUFACTURERS		APPROVED FAUC MANUFACTURE		ADDITIONAL IN	FORMATION	
IB1	FIRE RATED ICE MA SUPPLY BOX	KER	OATEY	3	84 SERIES	N	/Α	N/A	SYM	MMONS, GUY GRAY, SIOL OATEY	IX CHIEF,	N/A	PRC	OVIDE FIRE-RATED FIRE-RATE	BOX IF INSTALLED IN D WALL	
									CVM	AMONS CUY CRAV SIOL						1

					١	WATER CL	OSET SCHEE	OULE]			
MARK	WATER CLOSET DESCRIPTION	FIXTU MANUFAC		IXTURE MODEL #	STY	TYLE	CONTRO	- FLOW R	ATE SEAT-TYPE	E 4	ACCEPTABLE MANUFACTU	RERS	ADDITIONAL INFORMATION				
WC1	FLOOR-SET TANK-TYPE	AMERI STAND		ORMAX 238AA.104	4 ELONG	IGATED	MANUAL	1.28	CLOSED	A	AMERICAN STANDARD, KO ZURN	HLER,					
									LAVATORY / SI	NK SO	CHEDULE						
MARK	LAVATORY DESCRIPTIC	ON MA	FIXTURE NUFACTURER	FIXTURE MODEL		UCET ACTURER	FAUCET MODEL	FLOW RATE	DR	AIN		D FIXTUR		FAUCET MAN	UFACTURERS	ADDITIONAL IN	IFORMATION
LV1	UNDERMOUNT LAVATO		AMERICAN STANDARD	STUDIO 0614.300		RICAN NDARD	RELIANT 7385.00	1.2	POF	P-UP	AMERICAN KOHLE	STANDA R, ZURN	RD, SLOAN, AMERI	CAN STANDAR	D, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
LT1	UTILITY SINK		MUSTEE	12C	MUS	STEE	12C	1.5				-		-		-	
KS1	KITCHEN SINK	G	LACIER BAY	VUR3118A1 ACC		RICAN NDARD	9319300.0	02 1.5			AMERICAN KOHLE	STANDA R, ZURN	RD, SLOAN, AMERI	CAN STANDAR	D, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
SK1	BREAK SINK		DAYTON	D11719		RICAN NDARD	9319300.0	02 1.5			AMERICAN KOHLE	STANDA R, ZURN	RD, SLOAN, AMERI	CAN STANDAR	D, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
	MISCELLANEOUS FIXTURE SCHEDULE																
MARK	FIXTURE DESCRIPTION		(TURE FACTURER	FIXTURE MOD	DEL	FAUCI MANUFAC		FAUCET MOD	EL FLOW RA	TE	APPROVED FIXTURE MANUFACTURERS		PPROVED FAUCET MANU			ADDITIONAL INFORI	MATION
BT1	30X60 BATH TUB		ERICAN NDARD	OVATION 2644	7212	AMERIO STANDA		RELIANT 3 TU3385508	1.75		N/A	KOHL	ER, AMERICAN STANDAE POWERS, DELTA				
SH1	30X48 SHOWER STALL		ERICAN NDARD	OVATION B8015	A-ST3	AMERIO STANDA		RELIANT 3 TU385507	1.75		N/A	KOHL	ER, AMERICAN STANDAE POWERS, DELTA		,		
SH2	30X60 SHOWER STALL		ERICAN NDARD	OVATION B8014	A-ST3L	AMERIO STANDA		RELIANT 3 TU385507	1.75		N/A	KOHL	ER, AMERICAN STANDAR POWERS, DELTA				
								DRA	IN SCHEDULE								
MARK	DESCRIPTION		BASE MANUFACT		MODEL #			FINISH					NAL FEATURES		ACCEPTABLE N	MANUFACTURERS	
FD1	FLOOR DRAIN (FINISHE	SIOUX CH	HIEF	833-NR		PVC BOD	Y, NICKEL-BR	ONZE STRAINER			,	RAP PRIMER, SQUARE ST IN TILE FLOOR	RAINER IF	SIOUX CHIEF, O	ATEY, NSF, JUMBO		
																	-
				•					OUS FIXTURE SC	HED]
MARI			FIXTURE		TURE MOD	DEL	FAU MANUFA		FAUCET MODE	_	APPROVED FIXTUR MANUFACTURERS		APPROVED FAUG MANUFACTUR	ĒR	ADDITIONAL IN		
IB1	FIRE RATED ICE MA SUPPLY BOX	KER	OATEY	· 3	84 SERIE	S	N/	A	N/A	S	YMMONS, GUY GRAY, SIO OATEY	UX CHIEF,	, N/A	PR	OVIDE FIRE-RATED FIRE-RATE	BOX IF INSTALLED IN ED WALL	
										C)	VMMONS CUV CRAV SIO						

					WATER C	LOSET SCHED	OULE								
MARK	WATER CLOSET DESCRIPTION	FIXTU MANUFAC		IXTURE MODEL #	STYLE	CONTROL	FLOW RA	TE SEAT-TYPE	ACCEPTA	BLE MANUFACTURERS	ADDITIONAL INFORMATION				
WC1	FLOOR-SET TANK-TYPE	AMERIO STAND		ORMAX 238AA.104	ELONGATED	MANUAL	1.28	CLOSED	AMERICAN	N STANDARD, KOHLER, ZURN					
								AVATORY / SIN	K SCHEDULE						
MARK	LAVATORY DESCRIPT		FIXTURE NUFACTURER	FIXTURE R MODEL	FAUCET MANUFACTURER	FAUCET MODEL		DRA		APPROVED FIX MANUFACTUR		VED FAUCET M	ANUFACTURERS	ADDITIONAL IN	FORMATION
LV1	UNDERMOUNT LAVAT		AMERICAN STANDARD	STUDIO 0614.300	AMERICAN STANDARD	RELIANT 7385.00	1 1 /	POP-	UP	AMERICAN STAN KOHLER, ZUF		ERICAN STAND	ARD, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
LT1	UTILITY SINK		MUSTEE	12C	MUSTEE	12C	1.5			-		-		-	
KS1	KITCHEN SINK	G	LACIER BAY	VUR3118A1 ACC	AMERICAN STANDARD	9319300.0	02 1.5			AMERICAN STAN KOHLER, ZUF		ERICAN STAND	ARD, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
SK1	BREAK SINK		DAYTON	D11719	AMERICAN STANDARD	9319300.0	02 1.5			AMERICAN STAN KOHLER, ZUF		ERICAN STAND	ARD, KOHLER, ZURN	INSULATE SUPPLIES NOT PROTECTED	
			(TUDE				M	SCELLANEOUS F		-					
1ARK	FIXTURE DESCRIPTION		(TURE FACTURER	FIXTURE MOD	EL FAUC		AUCET MODE	L FLOW RAT		OVED FIXTURE UFACTURERS	APPROVED FAUCET MA	ANUFACTURER		ADDITIONAL INFORM	MATION
BT1	30X60 BATH TUB		ERICAN NDARD	OVATION 26447	212 AMER STAND		RELIANT 3 TU3385508	1.75		N/A KC	OHLER, AMERICAN STANI POWERS, DE		NS,		
SH1	30X48 SHOWER STALL		ERICAN NDARD	OVATION B8015A	AMER STAND	-	RELIANT 3 TU385507	1.75		N/A KC	OHLER, AMERICAN STANI POWERS, DE		NS,		
SH2	30X60 SHOWER STALL		ERICAN NDARD	OVATION B8014A	-ST3L AMER STAND		RELIANT 3 TU385507	1.75		N/A KO	OHLER, AMERICAN STANI POWERS, DE		NS,		
			BASE				DRAI	N SCHEDULE							
MARK	DESCRIPTIO	N	MANUFACT		10DEL #		FINISH				IONAL FEATURES		ACCEPTABLE N	MANUFACTURERS	
FD1	FLOOR DRAIN (FINISH	IED AREAS)	SIOUX CH	HIEF 8	333-NR	PVC BOD	Y, NICKEL-BROI	NZE STRAINER	DOU		E, TRAP PRIMER, SQUARE LED IN TILE FLOOR	STRAINER IF	SIOUX CHIEF, O	ATEY, NSF, JUMBO	
															1
			FIXTURE	E I		FAU		US FIXTURE SCH		PROVED FIXTURE	APPROVED F	AUCET			1
MAR			MANUFACT		URE MODEL	MANUFA		AUCET MODEL	N	IANUFACTURERS	MANUFACT		ADDITIONAL IN	NFORMATION	
IB1	FIRE RATED ICE M SUPPLY BOX		OATEY	· 3٤	34 SERIES	N//	A	N/A		5, GUY GRAY, SIOUX CH OATEY	N/A		PROVIDE FIRE-RATED FIRE-RATE	ED WALL	
WB1	WASHER SUPPLY/DR	AIN BOX	OATEY	,	MODA	N/	A	N/A	SYMMONS	5, GUY GRAY, SIOUX CH OATEY	IIEF, N/A		PROVIDE FIRE-RATED FIRE-RATE		
															1



WASTE & VENT ISOMETRIC N.T.S

5 ¹¹¹ 2 ¹ 2 ¹ 3 ¹	2 LANDER	-2 ² 3 ³ VIB ROOF 1 1 1 1
AND	63	2 ¹ /2 ¹ /
NUBY 21 PASSENTENT	35 235	BASEMENT

N/A

SYMBOL	DESCRIPTION
—— s — —	SANITARY/WASTE PIPING BELOW FLOOR
—s	SANITARY/WASTE PIPING ABOVE CEILING
V	VENT PIPING
CW	COLD WATER PIPING
——HW——	HOT WATER PIPING
HWR	HOT WATER RETURN PIPING
—— G ——	NATURAL GAS PIPING
st	STORM PIPING
FD ●	FLOOR DRAIN
×	BALL VALVE
V	CHECK VALVE
CO 0	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 CONDITIONS. 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.
- PROVIDE POINT-OF-USE THERMOSTATIC MIXING VALVES ON ALL PUBLIC LAVATORIES AND HAND SINKS. VALVES SHALL MEET ASSE 1070 AND SHALL BE EQUAL TO WATTS USG-B.
- PROVIDE SQUARE STRAINERS ON FLOOR DRAINS IN TILED AREAS. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR ALL FIXTURE MOUNTING HEIGHTS.
- 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 INSTALLATION; 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.



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 513.396.8900

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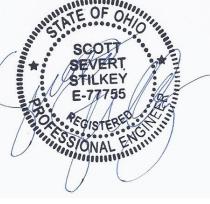
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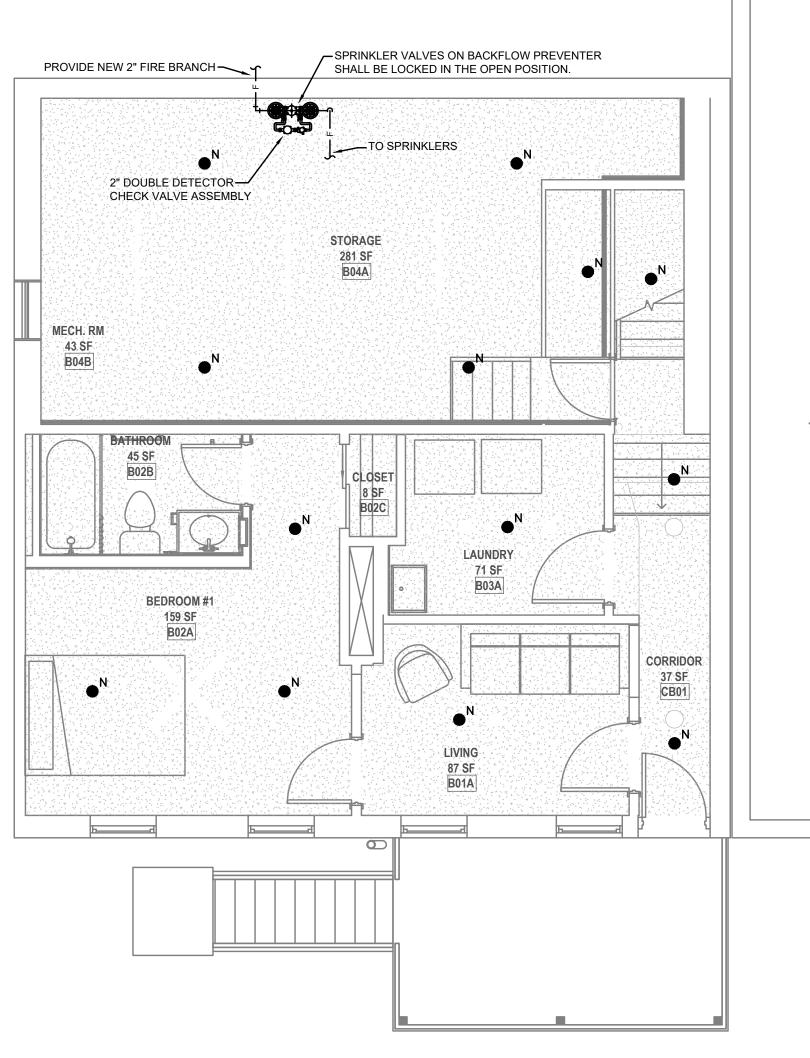
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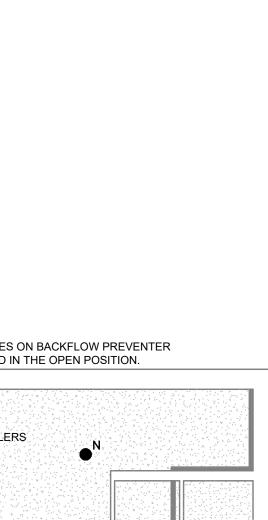
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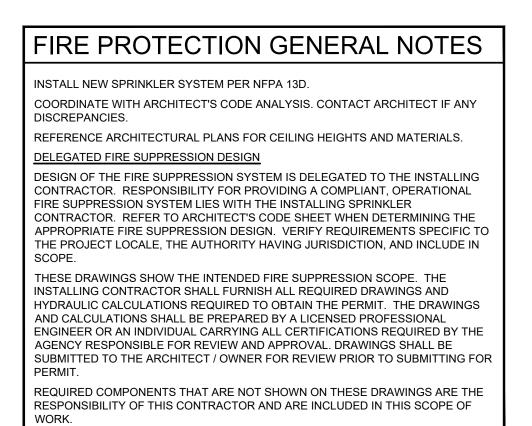
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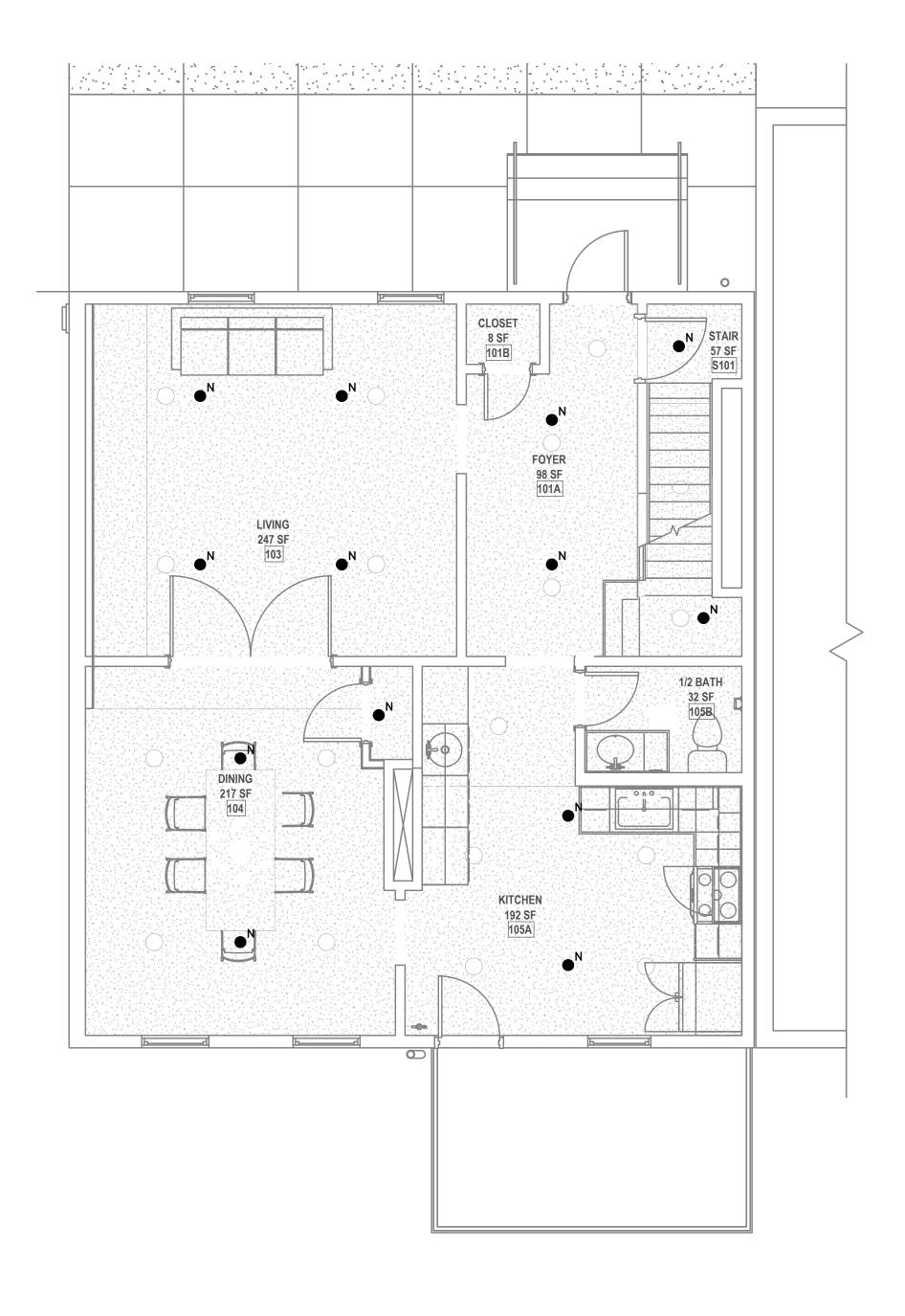
PROPOSED PLAN_BASEMENT 1/4" = 1'-0"







FI	FIRE PROTECTION LEGEND				
SYMBOL	DESCRIPTION				
F	FIRE SERVICE / SPRINKLER PIPING				
O ^N	EXPOSED SPRINKLER IN AREA WITH NO CEILING (BRASS FINISH)				
● ^N	SPRINKLER IN FINISHED CEILING (CONCEALED WITH COVER PLATE)				
O ^N	CONCEALED SIDEWALL SPRINKLER				



PROPOSED PLAN_LEVEL 1 1/4" = 1'-0"



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DIVISION 21 - FIRE SUPPRESSION

1. GENERAL FIRE SUPPRESSION REQUIREMENTS

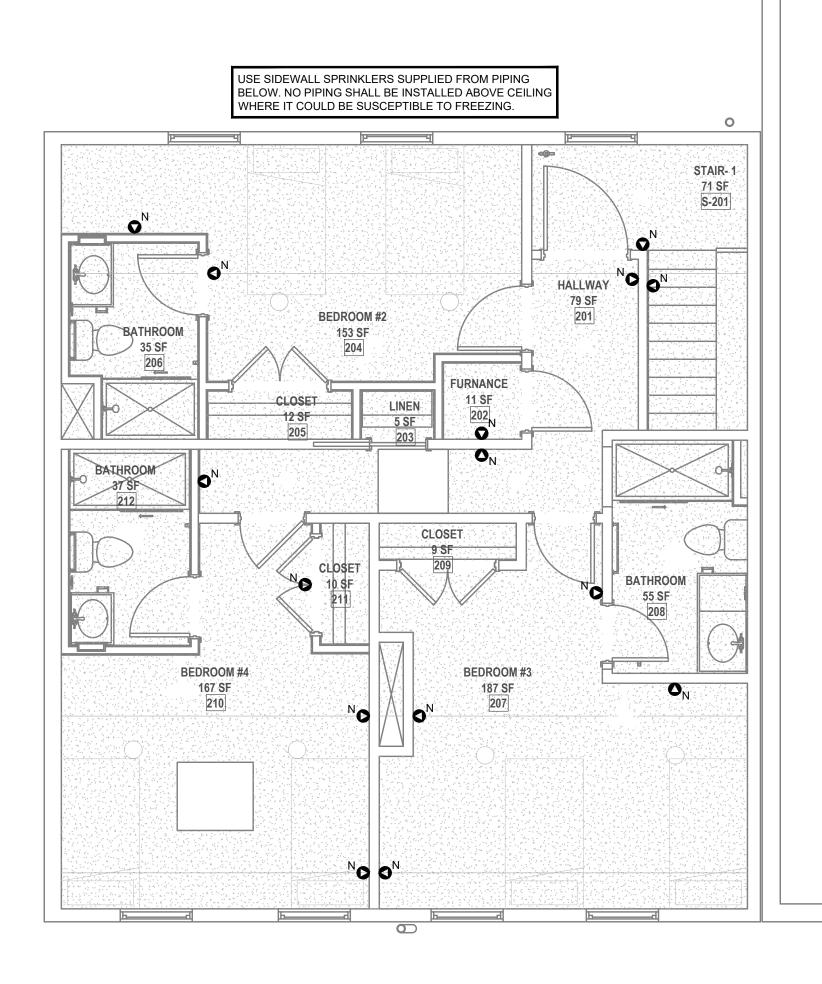
- AND EQUIPMENT NECESSARY TO COMPLETE THE FIRE SUPPRESSION WORK. RESPONSIBILITY FOR PROVIDING A COMPLIANT, OPERATIONAL FIRE SUPPRESSION SYSTEM LIES WITH THE INSTALLING SPRINKLER CONTRACTOR. REFER TO ARCHITECT'S CODE SHEET WHEN DETERMINING THE APPROPRIATE FIRE SUPPRESSION DESIGN. VERIFY REQUIREMENTS SPECIFIC TO PROJECT LOCALITY/AUTHORITY HAVING JURISDICTION AND INCLUDE IN SCOPE. INSTALLING CONTRACTOR SHALL FURNISH ALL REOUIRED DRAWINGS AND HYDRAULIC CALCULATIONS REQUIRED FOR FIRE PROTECTION PERMIT. DRAWINGS AND CALCULATIONS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR AN INDIVIDUAL CARRYING ALL CERTIFICATIONS REQUIRED BY THE AGENCY RESPONSIBLE FOR REVIEW AND APPROVAL. ALL REQUIRED COMPONENTS ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARE INCLUDED IN THIS SCOPE OF WORK. b. THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR MUST REFER TO SITE PLANS, ARCHITECTURAL PLANS AND ELEVATIONS, AND PRICING
- INSTRUCTIONS FROM THE GENERAL CONTRACTOR TO DEVELOP THEIR PRICE. THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR'S PRICE (INCLUDING TAXES) SHOULD INCLUDE ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIONAL FIRE SUPPRESSION SYSTEM. c. THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR SHALL BE LICENSED BY THE STATE OF OHIO TO INSTALL FIRE SUPPRESSION SYSTEMS.
- d. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NFPA, AND ALL APPLICABLE STATE, LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD.
- e. THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR AT HIS OWN COST MUST FURNISH HIS OWN PROFESSIONALLY ENGINEERED, SIGNED/SEALED PERMIT DRAWINGS. DRAWINGS SHALL BE SUBMITTED TO ARCHITECT AND GENERAL CONTRACTOR FOR REVIEW AND COORDINATION WITH OTHER DISCIPLINES. THIS WORK MUST BE PERFORMED PRIOR TO SUBMITTAL.
- f. SUBMIT TO THE ARCHITECT PDF FILE COPIES OF COMPLETE AND CERTIFIED SHOP DRAWINGS, HYDRAULIC CALCULATIONS, DESCRIPTIVE DATA. PERFORMANCE DATA AND RATINGS. DIAGRAMS AND SPECIFICATIONS ON ALL SPECIFIED EOUIPMENT INCLUDING
- MAY REQUIRE SPRINKLER LOCATIONS TO BE MOVED FOR COORDINATION PURPOSES OR AESTHETIC REASONS. g. REFER TO ARCHITECTURAL DRAWINGS, GENERAL NOTES, INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY
- GENERAL CONDITIONS, SPECIFICATIONS, AND DRAWINGS EXCEPT AS NOTED HEREIN WHICH APPLY IN ALL RESPECTS TO THIS SECTION. h. COORDINATE PIPING CHASES, SHAFTS, ABOVE CEILING WORK, ETC. WITH ARCHITECT. ALL DRAWINGS SHALL BE SUBMITTED TO THE
- ARCHITECT FOR REVIEW PRIOR TO WORK. i. THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY SPRINKLER PIPING PENETRATIONS. THIS INCLUDES CORING HOLES IN SLABS, ETC.
- j. 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.
- k. INSTALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES. 1. THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT AND PIPING WILL BE INSTALLED AND REPORT ANY CONDITION THAT PREVENTS THE PROPER INSTALLATION OF THE FIRE SUPPRESSION WORK PRIOR TO BID. ALL WORK SHALL BE DONE AT TIMES CONVENIENT TO THE OWNER AND ONLY DURING NORMAL WORKING HOURS, UNLESS SPECIFIED OTHERWISE. FIRE SUPPRESSION/SPRINKLER CONTRACTOR SHALL TAKE THEIR OWN MEASUREMENTS.
- THE FIRE SUPPRESSION 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. n. ALL WORK SHALL BE ACCURATELY LAID-OUT WITH OTHER TRADES, PRIOR TO INSTALLATION & FABRICATION, TO AVOID ALL CONFLICTS AND OBTAIN A NEAT AND WORKMANLIKE INSTALLATION WHICH WILL AFFORD MAXIMUM ACCESSIBILITY FOR EQUIPMENT
- OPERATION, MAINTENANCE CLEARANCES AND HEADROOM. 2. USE OF INFORMATION PROVIDED BY EBS
- a. THE INFORMATION PROVIDED IS INTENDED TO CONVEY DESIGN INTENT ONLY. ALL MEANS AND METHODS, SEQUENCES, TECHNIQUES, AND PROCEDURES OF CONSTRUCTION AS WELL AS ANY ASSOCIATED SAFETY PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL AND TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT, AND TO PROVIDE A COMPLETE AND FULLY OPERATIONAL FIRE PROTECTION SYSTEM ARE THE RESPONSIBILITY OF THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR. 3. CONTRACTOR COORDINATION
- a. COORDINATION DRAWINGS SHOWING SYSTEM AND COMPONENT INSTALLATION LAYOUT, ROUTING, DETAILS, ETC. SHALL BE PRODUCED BY THE FIRE SUPPRESSION/SPRINKLER 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 PRIOR TO INSTALLATION AND/OR FABRICATION. IF QUESTIONS CONCERNING DESIGN INTENT ARISE DURING COORDINATION, EBS CAN ASSIST WHERE APPROPRIATE.
- 4. SYSTEM DESIGN a. FIRE SUPPRESSION SYSTEM SHALL BE DESIGNED ACCORDING TO NFPA 13D.
- b. LOCK VALVES ON THE BACKFLOW PREVENTER IN THE OPEN POSITION TO AVOID TAMPER SWITCHES. c. FLOW TEST INFORMATION:
- TEST DATE: 09/18/2020
- HYDRANT FLOWED 3RD HYDRANT WEST OF SYCAMORE ST. ON GOETHE ST. HYDRANT GAUGED - 2ND HYDRANT WEST OF SYCAMORE ST. ON GOETHE ST.
- STATIC 95 PSI
- RESIDUAL 50 PSI FLOW - 291 GPM (383 GPM @ 20 PSI)
- d. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THEIR OWN FLOW TEST INFORMATION. FLOW TEST INFORMATION IS PROVIDED TO GIVE THE CONTRACTOR THE MOST RECENT INFORMATION AVAILABLE ON FILE AND MAY NO LONGER BE ACCURATE. CHANGES IN DESIGN
- AND ASSOCIATED ADDITIONAL COSTS INCURRED FOR USE OF INACCURATE FLOW TEST INFORMATION ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- e. PROVIDE NEW 2" FIRE SERVICE BRANCH FROM THE MAIN IN THE STREET PER THE GREATER CINCINNATI WATER WORKS STANDARD DETAIL 108-10A. f. ALL SPRINKLER PIPING SHALL BE INSTALLED ENTIRELY WITHIN THE THERMAL ENVELOPE (ON THE CONDITIONED SIDE OF THE AIR BARRIER).
- 5. INTERIOR PIPING
- a. WHERE ALLOWED BY CODE, PIPING CAN BE CPVC. THE PIPE SHALL BE RIGID CHLORINATED POLYVINYL CHLORIDE (CPVC), TYPE IV GRADE I, WITH A CELL CLASSIFICATION OF 23547 AS DEFINED IN ASTM D1784. THE PRODUCT SHALL BE ORANGE IN COLOR, AND APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF) FOR USE WITH POTABLE WATER. MATERIAL SHALL BE BLAZEMASTER CPVC MATERIAL AS PROVIDED BY NOVEON, INC. (FORMERLY THE BF GOODRICH COMPANY). FITTINGS SHALL BE UL LISTED CPVC FITTINGS AND SHALL MEET ASTM F437 (SCH 80 THREADED), ASTM F437 (SCH 80 SOCKET), OR ASTM F438 (SCH 40 SOCKET) AS APPLICABLE, BY SPEARS MANUFACTURING CO. OR EQUIVALENT. SOLVENT CEMENTS SHALL BE THOSE REFERENCED IN GEORG FISCHER HARVEL LLC INSTALLATION INSTRUCTIONS (SUCH AS SPEARS FS-5 OR EQUIVALENT), WHICH MEET ASTM F656 AND ASTM F493, AND APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF) FOR USE WITH POTABLE WATER. SOCKET TYPE JOINTS SHALL BE MADE USING THE ONE-STEP SOLVENT CEMENT JOINING METHOD IN ACCORDANCE WITH GF HARVEL INSTALLATION INSTRUCTIONS.
- b. WHERE CPVC PIPING IS NOT ALLOWED, PIPING SMALLER THAN 2" SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH CLASS 125, CAST-IRON THREADED FITTINGS. PIPING LARGER THAN 2" SHALL BE SCHEDULE 10 BLACK STEEL PIPE WITH MECHANICAL GROOVED PIPE COUPLINGS (ROLL-GROOVED TYPE). 2" PIPING CAN BE SCHEDULE 40 BLACK STEEL PIPE WITH CLASS 125, CAST-IRON THREADED FITTINGS OR SCHEDULE 10 BLACK STEEL PIPE WITH MECHANICAL GROOVED PIPE COUPLINGS (ROLL-GROOVED TYPE). c. ALL SPRINKLER PIPING IN THE NATATORIUM SPACES SHALL BE HOT-DIPPED GALVANIZED STEEL PIPING.
- 6. SPRINKLERS a. FLEXIBLE FIRE SPRINKLER CONNECTIONS ARE ACCEPTABLE. FLEXIBLE FIRE SPRINKLER CONNECTIONS SHALL BE FULLY-BRAIDED, 304 STAINLESS STEEL AND APPROVED FOR USE PER NFPA 13.
- b. SPRINKLERS IN FINISHED CEILINGS SHALL BE FULLY RECESSED WITH FLAT WHITE COVER PLATE.
- c. SPRINKLERS IN AREAS WITH NO CEILINGS SHALL BE BRASS UPRIGHT OR BRASS PENDENT. d. SIDEWALL SPRINKLERS ARE TO HAVE WHITE "DOME" COVER.
- 7. ADDITIONAL STOCK
- a. PROVIDE 2 ADDITIONAL SPRINKLERS OF EACH TYPE, WRENCHES, SIGNAGE, ETC. AT PROJECT TURNOVER.
- 8. BACKFLOW PREVENTION
- 9. FIRE DEPARTMENT CONNECTION
- a. A FIRE DEPARTMENT CONNECTION IS NOT REQUIRED.
- 10. HANGERS & SUPPORTS a. FURNISH ALL PIPE SUPPORTS REQUIRED FOR THEIR WORK. ALL PIPING SHALL BE SUPPORTED PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED WHERE REQUIRED TO PREVENT SAGGING.
- 11. 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.
- 12. 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. 13. FIRESTOPPING
- a. PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH RATED SEPARATIONS PER LOCAL CODES & REGULATIONS & PER UL RECOMMENDATIONS FOR ASSEMBLIES ENCOUNTERED IN PROJECT. b. THE FIRESTOPPING MATERIAL SHALL MAINTAIN 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. 14. 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.
- 15. EXCAVATION, TRENCHING & BACKFILL a. DO ALL EXCAVATION, TRENCHING & BACKFILL REQUIRED FOR THE INSTALLATION OF ALL FIRE SUPPRESSION WORK. b. ALL BACKFILL SHALL BE COMPACTED & BROUGHT TO FINISHED GRADE AND SHALL 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 BANK-RUN GRAVEL.
- 16. CUTTING AND PATCHING a. CUT AND PATCH WALLS AND FLOORS TO MATCH BUILDING CONSTRUCTION WHERE REQUIRED TO INSTALL ALL FIRE SUPPRESSION WORK.
- 17. INSTALLATION
- a. INSTALL PIPING FREE OF SAGS AND BENDS. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS, GYPSUM-BOARD PARTITIONS, AND CONCRETE FLOOR SLABS. b. WHERE PIPING PASSES THROUGH CONCRETE WALLS, MASONRY WALLS, GYPSUM-BOARD PARTITIONS, CONCRETE FLOORS, AND ROOF SLABS, OPENINGS SHALL BE CUT CLEAN AROUND THE PIPING WITH NOT MORE THAN 2 INCHES OF SPACE BETWEEN THE PIPING AND THE
- OPENING. PIPE SLEEVES WILL BE REQUIRED WHERE THERE IS MORE THAN 2 INCHES OF SPACE BETWEEN THE PIPE AND THE OPENING. 18. TESTING a. ALL FIRE SUPPRESSION WORK SHALL BE TESTED & APPROVED BY INSPECTOR PRIOR TO BEING BACKFILLED, CONCEALED & PUT INTO SERVICE.
- 19. 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 PIPING, DEVICES, AND 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 FIRE SUPPRESSION/SPRINKLER CONTRACTOR & GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT FOR REVIEW. c. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS & APPLICABLE CODES.
- 20. 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.
- 21. WARRANTY a. THE FIRE SUPPRESSION 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 AND THE FIRE SUPPRESSION
- CONTRACTOR WILL REPAIR OR REPLACE 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.

a. DELEGATED DESIGN - PROVIDE A COMPLETE AND FULLY OPERATIONAL FIRE PROTECTION SYSTEM, INCLUDING ALL LABOR, MATERIAL

ACCESSORIES, AND MATERIALS FOR REVIEW CONCURRENTLY WITH SUBMITTING FOR BUILDING DEPARTMENT APPROVAL. ARCHITECT

m. WHERE NOT PROVIDED BY OTHERS, PROCURE AND PAY FOR ALL PERMITS, FEES, TAXES AND INSPECTIONS NECESSARY TO COMPLETE

a. PROVIDE DOUBLE DETECTOR CHECK VALVE ASSEMBLY ON FIRE SERVICE AT LOCATION APPROVED BY THE LOCAL WATER PURVEYOR.

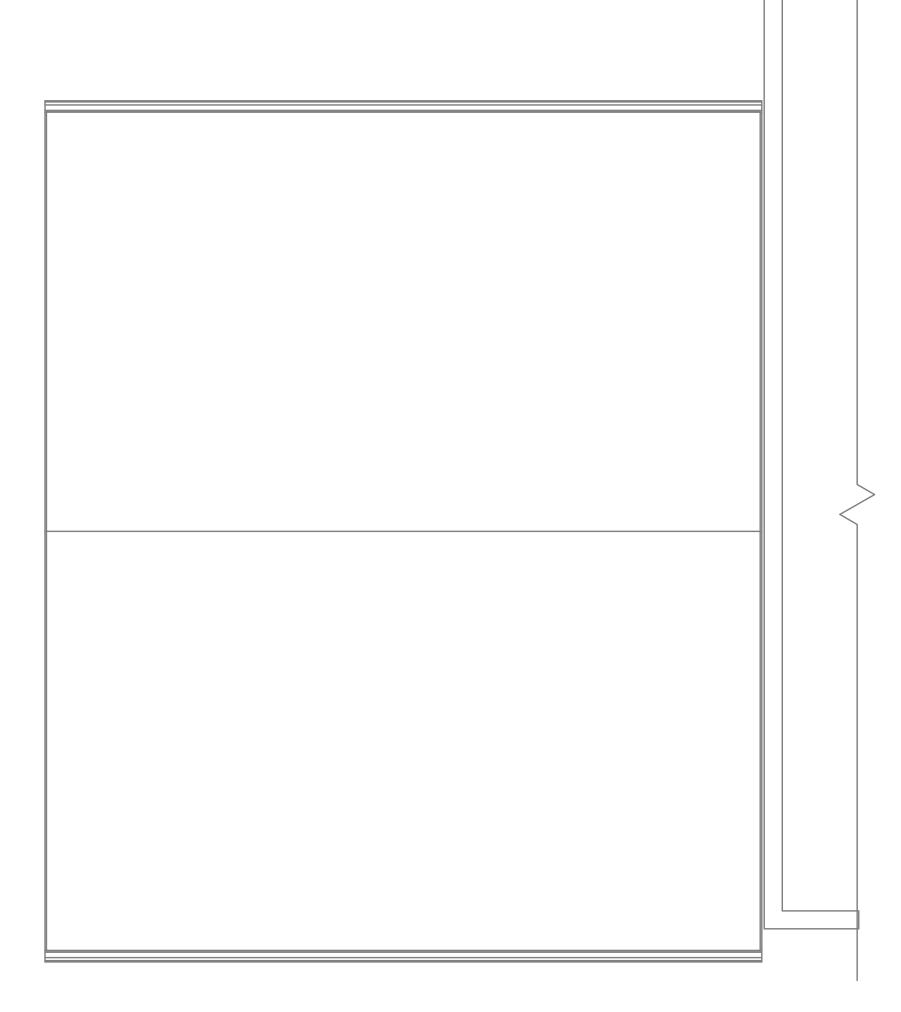


PROPOSED PLAN_LEVEL 2 1/4" = 1'-0"

FIRE PROTECTION GENERAL NOTES INSTALL NEW SPRINKLER SYSTEM PER NFPA 13D. COORDINATE WITH ARCHITECT'S CODE ANALYSIS. CONTACT ARCHITECT IF ANY DISCREPANCIES. REFERENCE ARCHITECTURAL PLANS FOR CEILING HEIGHTS AND MATERIALS. DELEGATED FIRE SUPPRESSION DESIGN DESIGN OF THE FIRE SUPPRESSION SYSTEM IS DELEGATED TO THE INSTALLING CONTRACTOR. RESPONSIBILITY FOR PROVIDING A COMPLIANT, OPERATIONAL FIRE SUPPRESSION SYSTEM LIES WITH THE INSTALLING SPRINKLER CONTRACTOR. REFER TO ARCHITECT'S CODE SHEET WHEN DETERMINING THE APPROPRIATE FIRE SUPPRESSION DESIGN. VERIFY REQUIREMENTS SPECIFIC TO THE PROJECT LOCALE, THE AUTHORITY HAVING JURISDICTION, AND INCLUDE IN SCOPE. THESE DRAWINGS SHOW THE INTENDED FIRE SUPPRESSION SCOPE. THE INSTALLING CONTRACTOR SHALL FURNISH ALL REQUIRED DRAWINGS AND HYDRAULIC CALCULATIONS REQUIRED TO OBTAIN THE PERMIT. THE DRAWINGS AND CALCULATIONS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR AN INDIVIDUAL CARRYING ALL CERTIFICATIONS REQUIRED BY THE AGENCY RESPONSIBLE FOR REVIEW AND APPROVAL. DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT / OWNER FOR REVIEW PRIOR TO SUBMITTING FOR REQUIRED COMPONENTS THAT ARE NOT SHOWN ON THESE DRAWINGS ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARE INCLUDED IN THIS SCOPE OF

FI	FIRE PROTECTION LEGEND				
SYMBOL	DESCRIPTION				
—— F ——	FIRE SERVICE / SPRINKLER PIPING				
0 ^N	EXPOSED SPRINKLER IN AREA WITH NO CEILING (BRASS FINISH)				
● ^N	SPRINKLER IN FINISHED CEILING (CONCEALED WITH COVER PLATE)				
O ^N	CONCEALED SIDEWALL SPRINKLER				

WORK.







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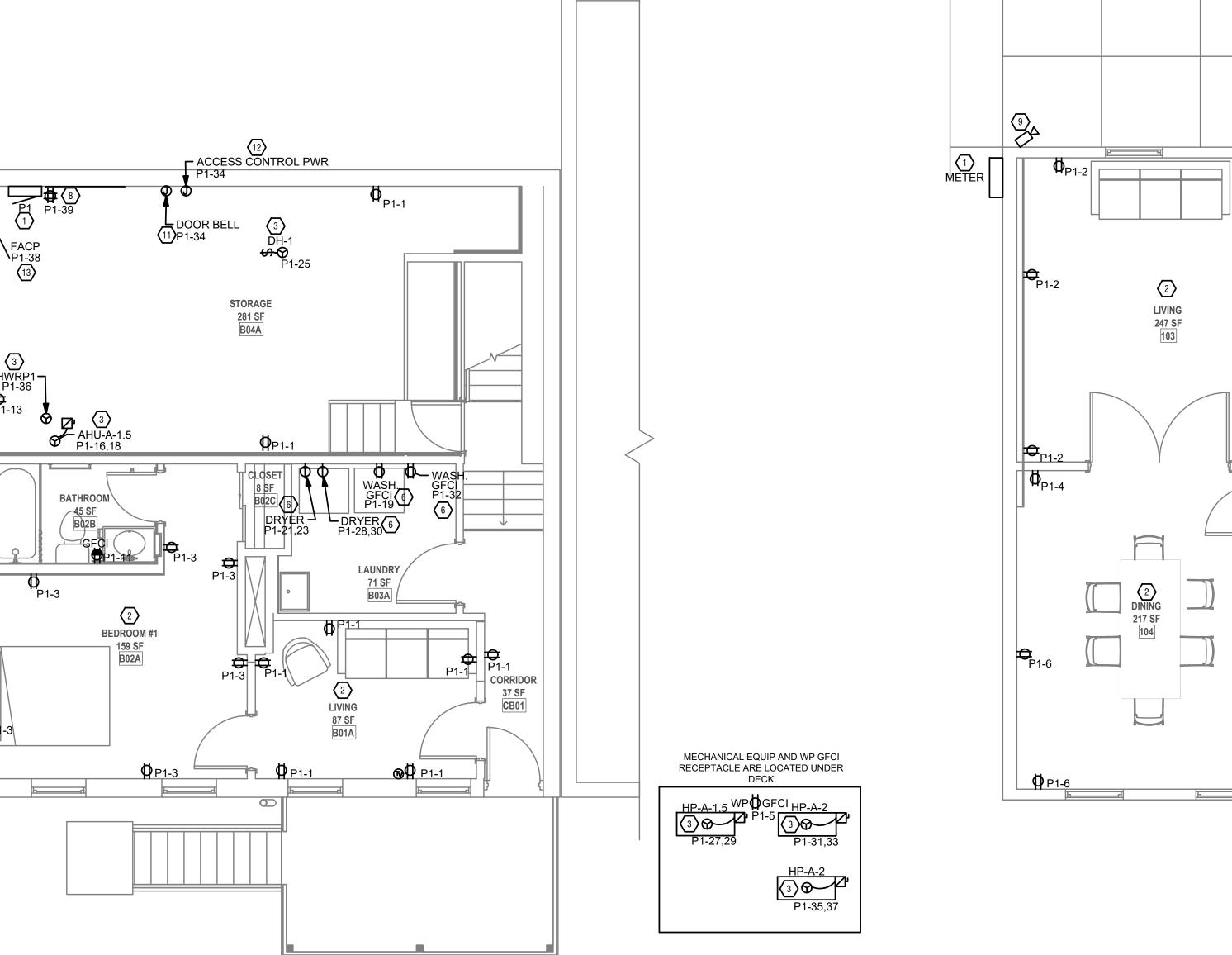


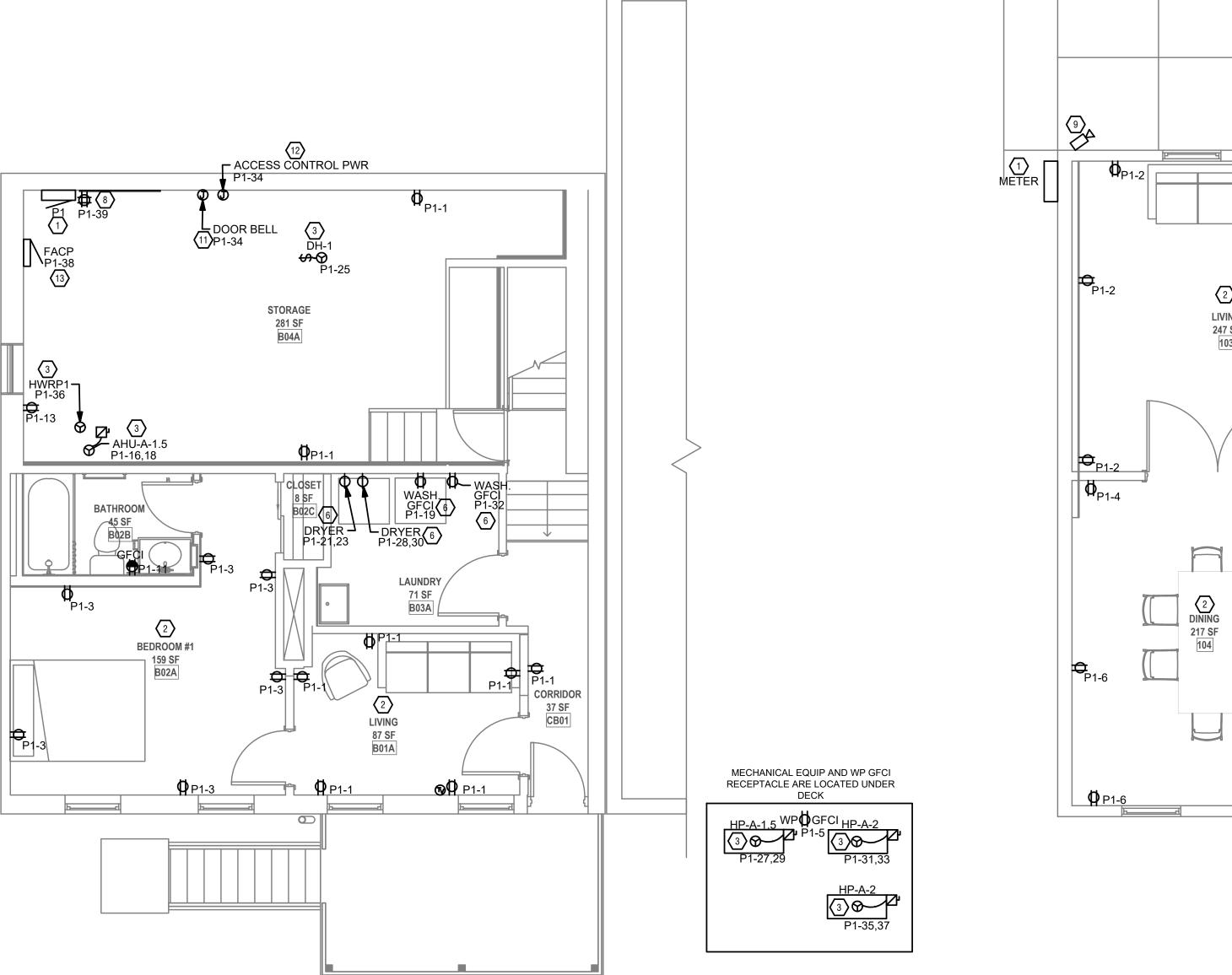
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ISSUED FOR PERMIT 06-27-2023 SHEET NAME **FIRE PROTECTION FLOOR PLANS** SHEET NO.

FP1.01







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2 PROPOSED PLAN_LEVEL 1 1/4" = 1'-0"

FIRE ALARM - DELEG		SCOPE OF WORK
	SIBILITY FOR PROVIDING A COMPLIANT, IES WITH THIS CONTRACTOR. REFER TO GROUP AND OCCUPANT INFORMATION ESIGN. VERIFY REQUIREMENTS INCLUDE IN SCOPE.	PROJECT CONSISTS OF THE PARTIAL RENOVATIONS TO AN EXISTING R-1 NON- DWELLING UNIT BUILDING. NEW WORK TO INCLUDE A NEW 400A PANEL/METER AND WIRING FOR NEW MECHANICAL AND LAUNDRY EQUIPMENT ONLY. ALL EXISTING BRANCH CIRCUITING TO REMAIN (U.N.O.) PROVIDE NEW BRANCH CIRCUITING AS SHOWN ON THE ELECTRICAL FLOOR PLANS. SEE DETAILS SHEETS FOR MORE INFORMATION.
CALCULATIONS REQUIRED FOR FIRE A CALCULATIONS SHALL BE PREPARED I CERTIFICATIONS REQUIRED BY THE AC APPROVAL.		GENERAL NOTES-OVERALL PROJECT
C. REQUIRED COMPONENTS THAT ARE N RELAY MODULES MONITOR MODULES, ETC. ARE THE RESPONSIBILITY OF THI THIS SCOPE OF WORK.		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.
		A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT/CABLE ROUTING. COORDINATE ROUTING WITH ALL OTHER TRADES AND BUILDING
		 CONDITIONS. B. SEE SINGLE LINE DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC. C. PROVIDE MOTOR STARTERS FOR EQUIPMENT AS INDICATED ON DRAWING COORDINATE ANY INTERLOCKING WIRING WITH HVAC CONTRACTOR AND PROVIDE WIRING, COILS, AND AUXILIARY CONTACTS AS NECESSARY. SIZE ALL CIRCUITS FOR ACTUAL EQUIPMENT TO BE CONNECTED. D. ALL PANELS AND DISCONNECTS LOCATED OUTDOORS SHALL BE LABELED NEMA 3R. E. ROOF MOUNTED AND OUTDOOR EQUIPMENT SHALL HAVE 120V RECEPTAC MOUNTED WITHIN 25' OF EACH PIECE. RECEPTACLES SHALL BE IN WEATHE 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 O THE ELECTRICAL CONTRACTOR TO CONFIRM REQUIRED WIRE AND BREAK SIZES WITH THE CONTRACTOR FURNISHING THE EQUIPMENT. G. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR ALL DEVICE MOUNTI HEIGHTS. H. CONTRACTOR TO PROVIDE GROUNDING AND BONDING AS REQUIRED FOR ELECTRICAL SYSTEMS. GROUNDING AND BONDING IS CONSIDERED MEAN: 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
		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 GENERA 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 ACTUA
1911 AN UND STRATE TO FRANKSTAN		 CEILING CONFIGURATION, CEILING FAN LOCATIONS, DISTANCE TO BATHROOMS, DISTANCE TO COOKING APPLIANCES, ETC. AND INSTALL PER THE REQUIREMENTS C 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 UN 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,
$ \begin{array}{c} 11 \\ 12 \\ P1-2 \end{array} $ $ \begin{array}{c} 11 \\ P1-4 $ $ \begin{array}{c} 11 \\ P1-4$		 DATA, AND CATV CABLES. G. CIRCUITING ON DRAWINGS AND PANEL SCHEDULE IS SHOWN TYPICAL FOR SIMILAR UNITS. REFER TO DWELLING UNIT LOAD SUMMARIES FOR INDIVIDU/ 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 NET 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 NO PLACED BEHIND EQUIPMENT.
2 P1-2 98 SF 101A		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 A. BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. CONDUCTORS SHALL BE INSULATED FOR 600V NUMBER 12 AWG MINIMUM. PROVIDE WIRES AND
P1-2		
P1-4 AHU-A-2P P1-4 GFCI GF		 KEYED SHEET NOTES NEW ELECTRICAL EQUIPMENT. SEE DETAILS SHEETS FOR MORE INFORMATION. REWORK RECEPTACLES AS SHOWN. EXISTING POWER AND LIGHTING BRANC CIRCUITING TO REMAIN. BACK-FEED EXISTING BRANCH CIRCUITING FROM NEW PANEL AND MODIFY/EXTEND EXISTING WIRING IN CODE APPROVED WIRING METHODS TO NEW RECEPTACLES AS REQUIRED. MECHANICAL EQUIPMENT PROVIDED BY THE MECHANICAL CONTRACTOR. WIRING BY THE ELECTRICAL CONTRACTOR. VERIFY LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. EC TO WIRE NEW RESTROOM EXHAUST FAN TO EXISTING LIGHTING CONTROLS (PER ROOM), AND PROVIDE NEW IF EXISTING IS IN BAD WORKING ORDER.
RANGE P1-12,14 MW 192 SF 105A GFCI P1-6		 5. ELECTRICAL CONTRACTOR TO INSTALL 120 VOLT DEDICATED CIRCUIT FOR FUTURE RADON EXHAUST FAN IN AN ACCESSIBLE LOCATION IN ATTIC. VERIFY LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. CIRCUIT AS SHOWN. 6. LAUNDRY EQUIPMENT IS STACKED. VERIFY MOUNTING HEIGHT OF RECEPTACLES SERVING EQUIPMENT IN FIELD PRIOR TO ROUGH-IN WITH OWNER AND ARCHITECT. 7. LOW VOLTAGE/DATA DEMARC LOCATION. PROVIDE DEDICATED HOME-RUN
		 LOW VOLTAGE/DATA DEMARC LOCATION. PROVIDE DEDICATED HOME-RON FROM BASEMENT DEMARC TO THIS DEMARC, AND POWER AS SHOWN. CONFIRM & PROVIDE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO CONSTRUCTION. PROVIDE DEDICATED QUAD RECEPTACLE AND 4'X4'X3/4" PLYWOOD BACK BOARD IN BASEMENT TO SERVE BLD. PHONE/TV/DATA UTILITY DEMARC.
GFCI P1-13		 COORDINATE ALL WORK WITH UTILITY PROVIDER, ARCHITECT, AND GC PRIOF TO CONSTRUCTION. 9. COORDINATE REQUIRED CABLING AND FINAL LOCATION FOR OWNER PROVIDED SECURITY CAMERAS/SYSTEM. 10. CONFIRM & PROVIDE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO
		 CONSTRUCTION. 11. PROVIDE DOORBELL WIRING AND ASSOCIATED POWER (IF NEEDED) FOR DOORBELL. CONFIRM WIRING AND OTHER EC RESPONSIBILITIES WITH OWNE & ARCHITECT PRIOR TO CONSTRUCTION. 12. PROVIDE ACCESS CONTROL WIRING AT FRONT ENTRANCE & CONTROL POWER IN BASEMENT AS INSTRUCTED BY OWNER, ARCHITECT AND INSTALLING CONTRACTOR.
		 LOCATION OF FIRE ALARM CONTROL PANEL. FA SYSTEM TO BE DESIGN BUILD BY CONTRACTOR. SEE ARCH CODE SHEET AND FIRE ALARM DELEGATED DESIGN NOTES. PROVIDE FA ANNUCIATOR PANEL(S) PER OWNER AND ARCHITECTS DIRECTION.



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 513.396.8900

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

HTCTC - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

CITY GOSPEL MISSION



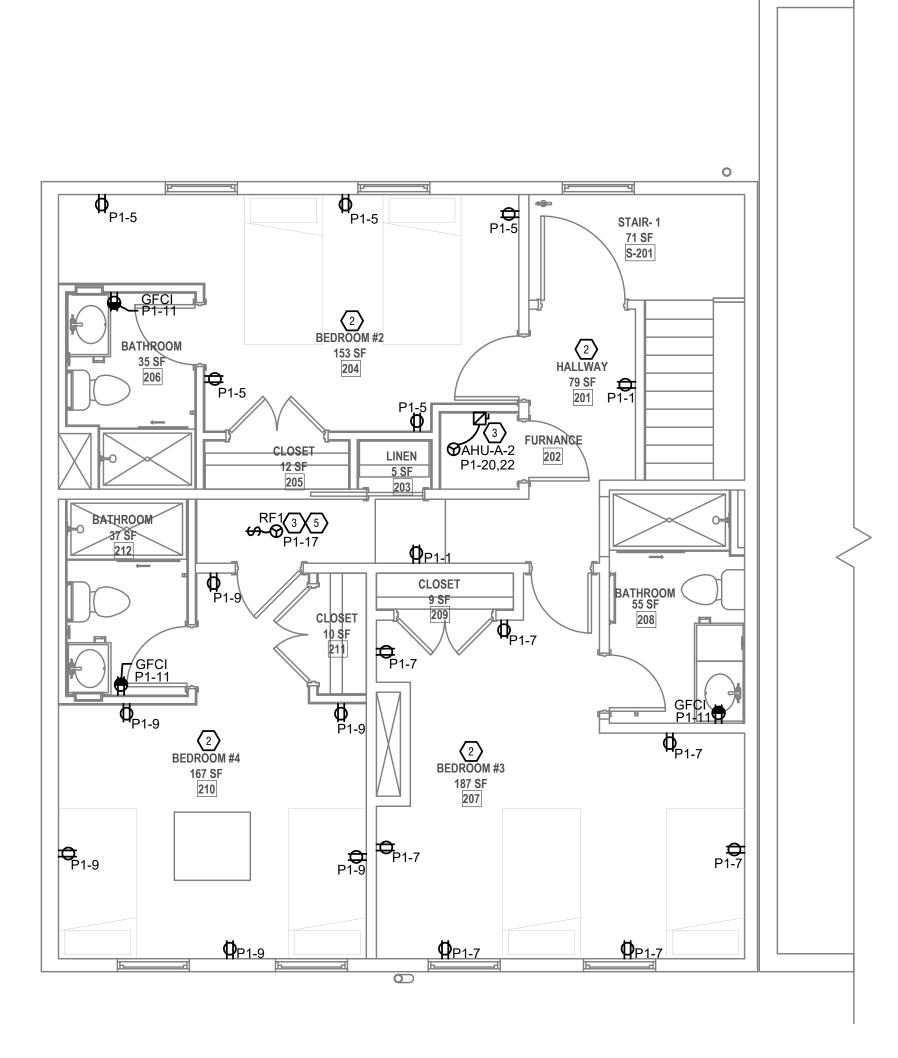


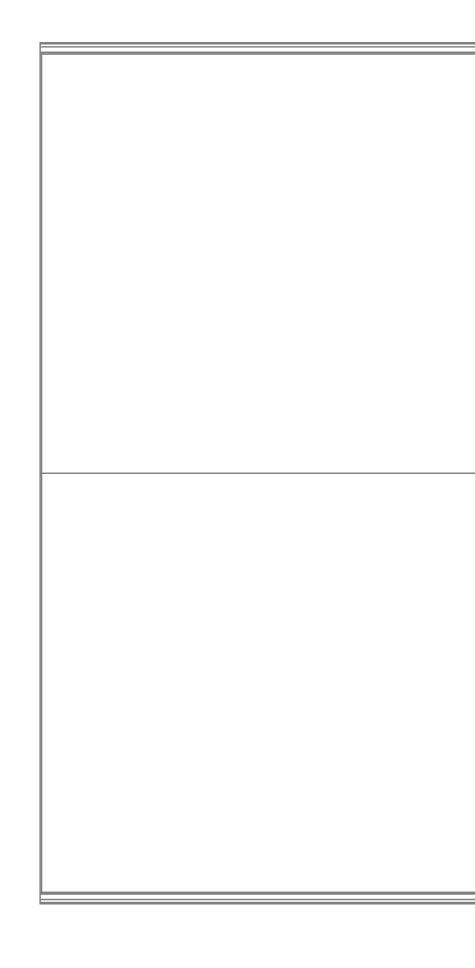
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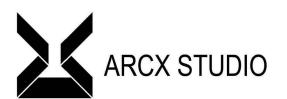
ISSUED FOR PERMIT 06-27-2023 SHEET NAME ELECTRICAL POWER **FLOOR PLANS** SHEET NO. E1.00

PROPOSED PLAN_LEVEL 2 1/4" = 1'-0"





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<form></form>	CONTAINED ON DRAWINGS. RESPONSIBILITY FOR PROVIDING A COMPLIANT, OPERATIONAL FIRE ALARM SYSTEM LIES WITH THIS CONTRACTOR. REFER TO ARCHITECT'S CODE SHEET FOR USE GROUP AND OCCUPANT INFORMATION	PROJECT CONSISTS OF THE PARTIAL RENOVATIONS TO AN EXISTING R-1 NON- DWELLING UNIT BUILDING. NEW WORK TO INCLUDE A NEW 400A PANEL/METER AND
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		ORDER. 5. ELECTRICAL CONTRACTOR TO INSTALL 120 VOLT DEDICATED CIRCUIT FOR FUTURE RADON EXHAUST FAN IN AN ACCESSIBLE LOCATION IN ATTIC. VERIFY
 FROM BASEMENT DEMARC. TO THIS DEMARC, AND POWER AS SHOWN. CONFIRM & PROVIDE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO CONSTRUCTION. 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. COORDINATE REQUIRED CABLING AND FINAL LOCATION FOR OWNER PROVIDED SECURITY CAMERASISYSTEM. COORDINATE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO CONSTRUCTION. COORDINATE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO CONSTRUCTION. COORDINATE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO CONSTRUCTION. PROVIDE DOORBELL WIRING AND ASSOCIATED POWER (IF NEEDED) FOR DOORBELL CONFIRM WIRING AND OTHER EC RESPONSIBILITIES WITH OWNER & ARCHITECT PRIOR TO CONSTRUCTION. PROVIDE ACCESS CONTROL WIRING AT FRONT ENTRANCE & CONTROL POWER IN BASEMENT AS INSTRUCTED BY OWNER, ARCHITECT AND INSTALLING CONTRACTOR. PROVIDE ACCESS CONTROL WIRING AT FRONT ENTRANCE & CONTROL POWER IN BASEMENT AS INSTRUCTED BY OWNER, ARCHITECT AND INSTALLING CONTRACTOR. LOCATION OF FIRE ALARM CONTROL PANEL, FA SYSTEM TO BE DESIGN BUILD BY CONTRACTOR. SEE ARCH CODE SHEET AND FIRE ALARM DELEGATED DESIGN NOTES. LOCATION OF FIRE ALARM CONTROL PANEL, FA SYSTEM TO BE DESIGN BUILD BY CONTRACTOR. SEE ARCH CODE SHEET AND FIRE ALARM DELEGATED DESIGN NOTES. PROVIDE FA ANNUCIATOR PANEL(S) PER OWNER AND ARCHITECTS 		6. LAUNDRY EQUIPMENT IS STACKED. VERIFY MOUNTING HEIGHT OF RECEPTACLES SERVING EQUIPMENT IN FIELD PRIOR TO ROUGH-IN WITH
 PROVIDE DEDICATED QUAD RECEPTACLE AND 4'X4'X3/4" PLYWOOD BACK BOARD IN BASEMENT TO SERVE BLD. PHONETV/DATA UTILITY DEMARC. COORDINATE ALL WORK WITH UTILITY PROVIDER, ARCHITECT, AND GC PRIOR TO CONSTRUCTION. COORDINATE REQUIRED CABLING AND FINAL LOCATION FOR OWNER PROVIDED SECURITY CAMERAS/SYSTEM. CONFIRM & PROVIDE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO CONSTRUCTION. CONFIRM & PROVIDE DOORBELL WIRING AND ASSOCIATED POWER (IF NEEDED) FOR DOORBELL. CONFIRM WIRING AND ASSOCIATED POWER (IF NEEDED) FOR DOORBELL. CONFIRM WIRING AND ASSOCIATED POWER (IF NEEDED) FOR DOORBELL. CONFIRM WIRING AND OTHER EC RESPONSIBILITIES WITH OWNER & ARCHITECT PRIOR TO CONSTRUCTION. PROVIDE ACCESS CONTROL WIRING AT FRONT ENTRANCE & CONTROL POWER IN BASEMENT AS INSTRUCTED BY OWNER, ARCHITECT AND INSTALLING CONTRACTOR. DOCATION OF FIRE ALARM CONTROL PANEL, FA SYSTEM TO BE DESIGN BUILD BY CONTRACTOR. SEE ARCH CODE SHEET AND FIRE ALARM DELEGATED DESIGN NOTES. PROVIDE FA ANNUCIATOR PANEL(S) PER OWNER AND ARCHITECTS 		FROM BASEMENT DEMARC TO THIS DEMARC, AND POWER AS SHOWN. CONFIRM & PROVIDE REQUIRED CABLING AND DEVICES AS INSTRUCTED BY OWNER, ARCHITECT, AND DATA/INTERNET PROVIDER PRIOR TO
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		13. LOCATION OF FIRE ALARM CONTROL PANEL. FA SYSTEM TO BE DESIGN BUILD BY CONTRACTOR. SEE ARCH CODE SHEET AND FIRE ALARM DELEGATED DESIGN NOTES.



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 513.396.8900

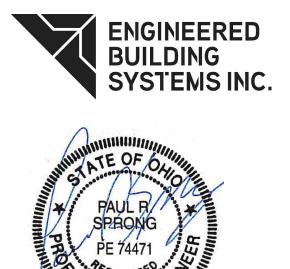
MEP ENGINEER ENIGINEERED BUILDING SERVICES, INC. 515 MONMOUTH ST., STE 204, NEWPORT, KY 41071 859.261.0585

HTCTC - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

CITY GOSPEL MISSION



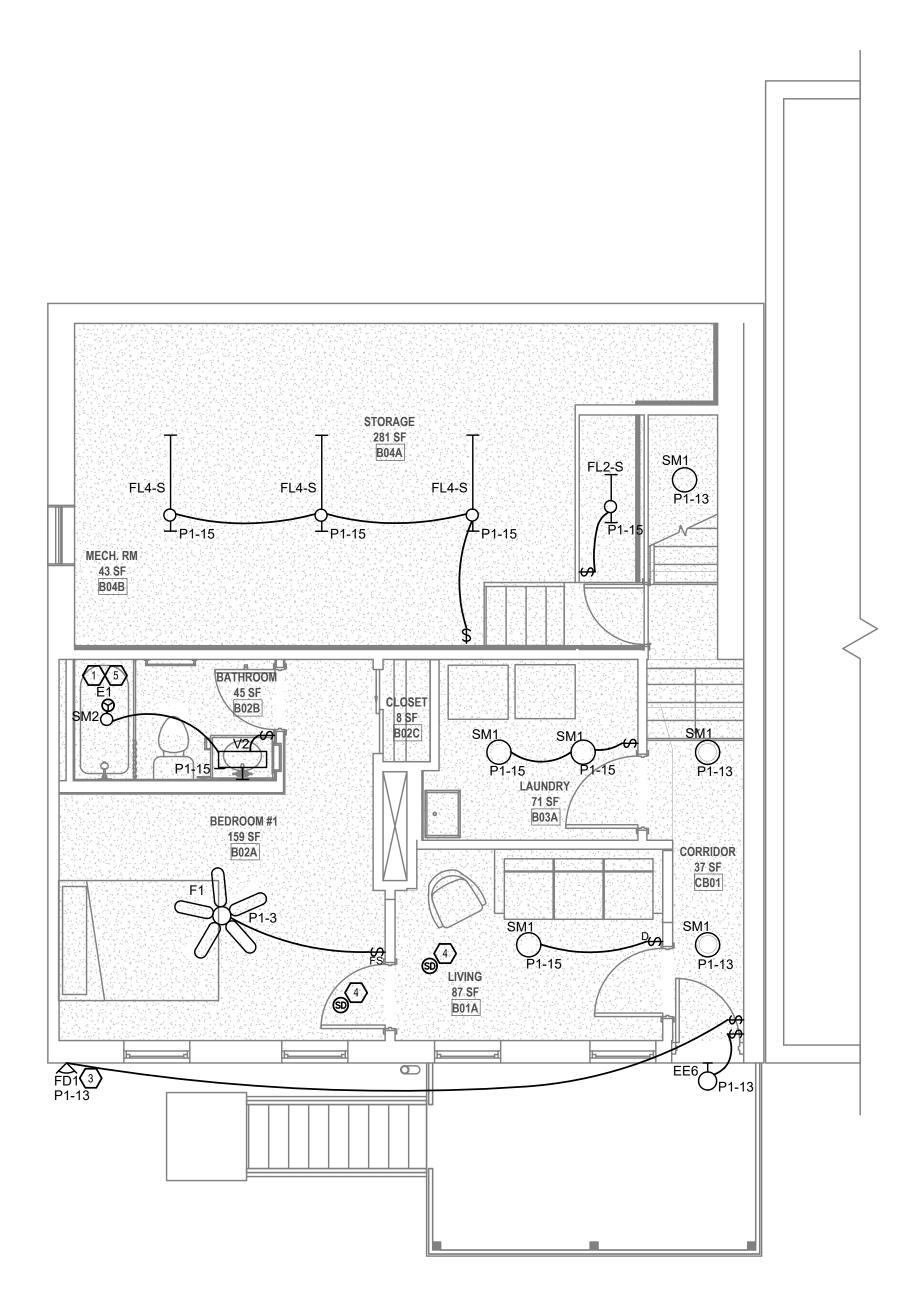
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ISSUED FOR PERMIT 06-27-2023 SHEET NAME ELECTRICAL POWER FLOOR PLANS SHEET NO. E1.01

CITY GOSPEL MISSION LUMINAIRE SCHEDULE							
CALLOUT	SYMBOL	LAMP	DESCRIPTION	MODEL	INPUT VA		
CH1	٥	LED	DECORATIVE CHANDELIER	TBD	125		
EE6	ю	(1) 12W LED	EXTERIOR DECORATIVE WALL LIGHT	BASELITE SPC14-SSP-WM14X-LED12W-30K-LDMO-10V-BA6	12		
EM	Ľ,	(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	¢	(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) 9W LED/MOTOR	FAN/LIGHT COMBO	RP LIGHTING ALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL CONTROLS	64		
F2	٥	(1) 70W MOTOR-ONLY	WALLMOUNT OSCILLATING FAN (SLEEPING ROOMS)	CRAFTMADE - 14" BELLOWS HARD-WIRED INDOOR / OUTDOOR FAN (HARDWIRED, SEE INSTALATION INSTRUCTIONS FOR MORE INFO)	70		
FD1	٩	20W MOTOR ONLY	EXTERIOR FLOOD W/ MOTION & PHOTOCELL (PROVIDE SWITCH AS SHOWN)	SUNLIGHT 20-Watt 150-Degree Black Motion Activated Outdoor Integrated LED Flood Dual Head Round Wall Mount Security Light, 5000K	20		
FL2-S	юн	(1) 11W LED	2' LED SURFACE STRIP	LITHONIA MNSL L23 1LL MVOLT 40K 80 CRI M6	11		
FL4-S	ю———1	(1) 36W LED	4' LED SURFACE STRIP	LITHONIA CSS L484 AL03 MVOLT SWW3 80CRI	36		
SM1	0	(1) 15W LED	8" SURFACE MOUNT LED DISC	AFX LIGHTING EGRF06LAJD1WH	15		
SM2	0	(1) 12W LED	6" SURFACE MOUNT LED DISC	AFX LIGHTING EGRF06LAJD1WH	12		
SM3	o	(1) 13W LED	7" SURFACE MOUNT LED DISC	JSF LIGHTING JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH	13		
UC8		(1) 6.5W LED	8" UNDERCABINET LED LIGHT	WAC LIGHTING 120V 3-CCT BARLIGHT BA-AC08-CS 35K-90-WH	6.5		
UC18		(1) 10.5W LED	18" UNDERCABINET LED LIGHT	WAC LIGHTING 120V 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		
V1	ю	(1) 18W LED	BATH VANITY	SHADES OF LIGHT VERSATILE VANITY LIGHT - 1 LIGHT SKU: BS18161 AB AGED	18		
V2	Ю	(2) 13W LED	BATH VANITY	SHADES OF LIGHT VERSATILE VANITY LIGHT - 2 LIGHT. SKU: BS18162 AB AGED	26		

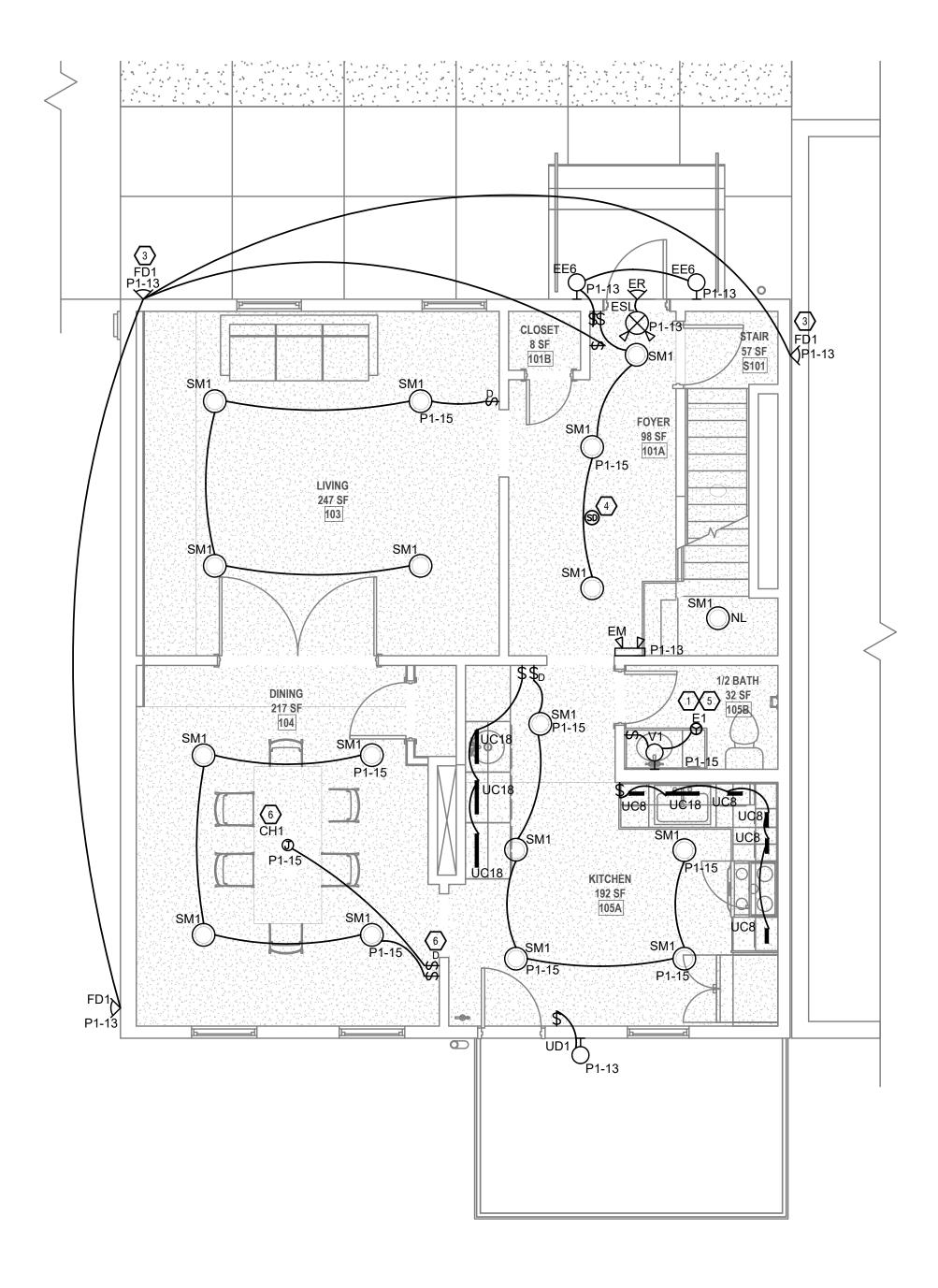
NL = EGRESS ILLUMINATION



PROPOSED PLAN_BASEMENT 1/4" = 1'-0"

SCOPE OF WORK							
PROJECT CONSISTS OF THE PARTIAL RENOVATIONS TO AN EXISTING R-1 NON- DWELLING UNIT BUILDING. NEW WORK TO INCLUDE A NEW 400A PANEL/METER AND WIRING FOR NEW MECHANICAL AND LAUNDRY EQUIPMENT ONLY. ALL EXISTING BRANCH CIRCUITING TO REMAIN (U.N.O.) PROVIDE NEW BRANCH CIRCUITING AS SHOWN ON THE ELECTRICAL FLOOR PLANS. SEE DETAILS SHEETS FOR MORE INFORMATION.							
G	ENERAL 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.						
GE	ENERAL NOTES-BRANCH CIRCUIT						
	BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. CONDUCTORS SHALL BE NSULATED 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						
1.	EC TO WIRE NEW RESTROOM EXHAUST FAN TO SAME SWITCH AS LIGHTING						
	(TYP).						
2.							
2. 3.	(TYP). HARDWIRED J-BOX CONNECTION FOR WALL-MOUNTED OSCILLATING FAN IN SECOND FLOOR SLEEPING ROOMS (F2). COORDINATE MOUNTING HEIGHT						

- PROVIDE HARD-WIRED SMOKE DETECTORS WITH BATTERY BACK-UP AS REQUIRED BY LOCAL BUILDING CODE.
- 5. EC TO WIRE NEW RESTROOM EXHAUST FAN TO EXISTING LIGHTING CONTROLS (PER ROOM), AND PROVIDE NEW IF EXISTING IS IN BAD WORKING
- ORDER. 6. PROVIDE DIMMER SWITCH AND LIGHT FIXTURE J-BOX FOR NEW CHANDELIER
- IN 1ST FLOOR DINING ROOM. 7. REPLACE EXISTING REAR EXTERIOR LIGHT FIXTURE WITH NEW UP/DOWN FIXTURE PROVIDED BY OWNER. WIRE AS SHOWN.



2 PROPOSED PLAN_LEVEL 1 1/4" = 1'-0"



ARCHITECT & INTERIOR DESIGN ARCX STUDIO FIRM.18314012

1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302 **CIVIL ENGINEER**

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

HTCTC - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

CITY GOSPEL MISSION





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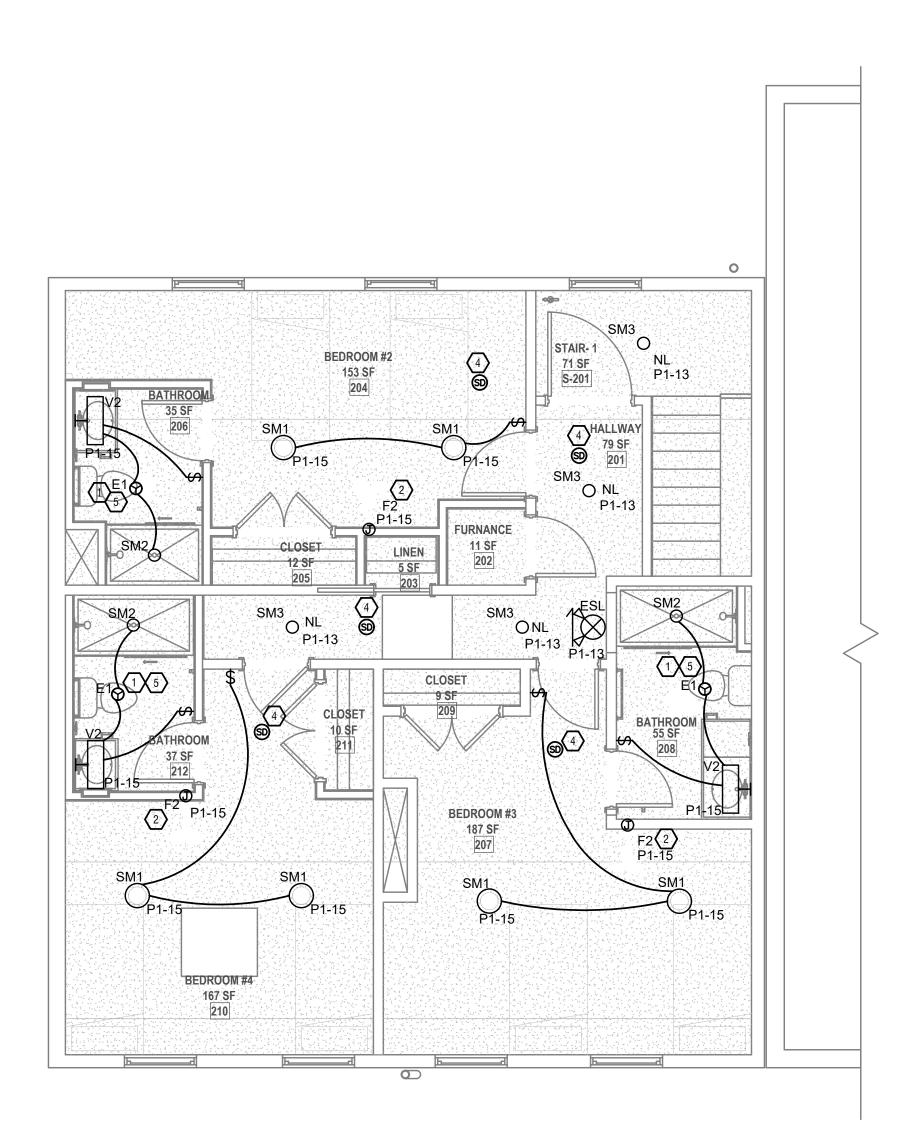
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	DESCRIPTION	DATE
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ISSUED FOR PERMIT 06-27-2023 SHEET NAME ELECTRICAL LIGHTING FLOOR PLANS SHEET NO.

E2.00

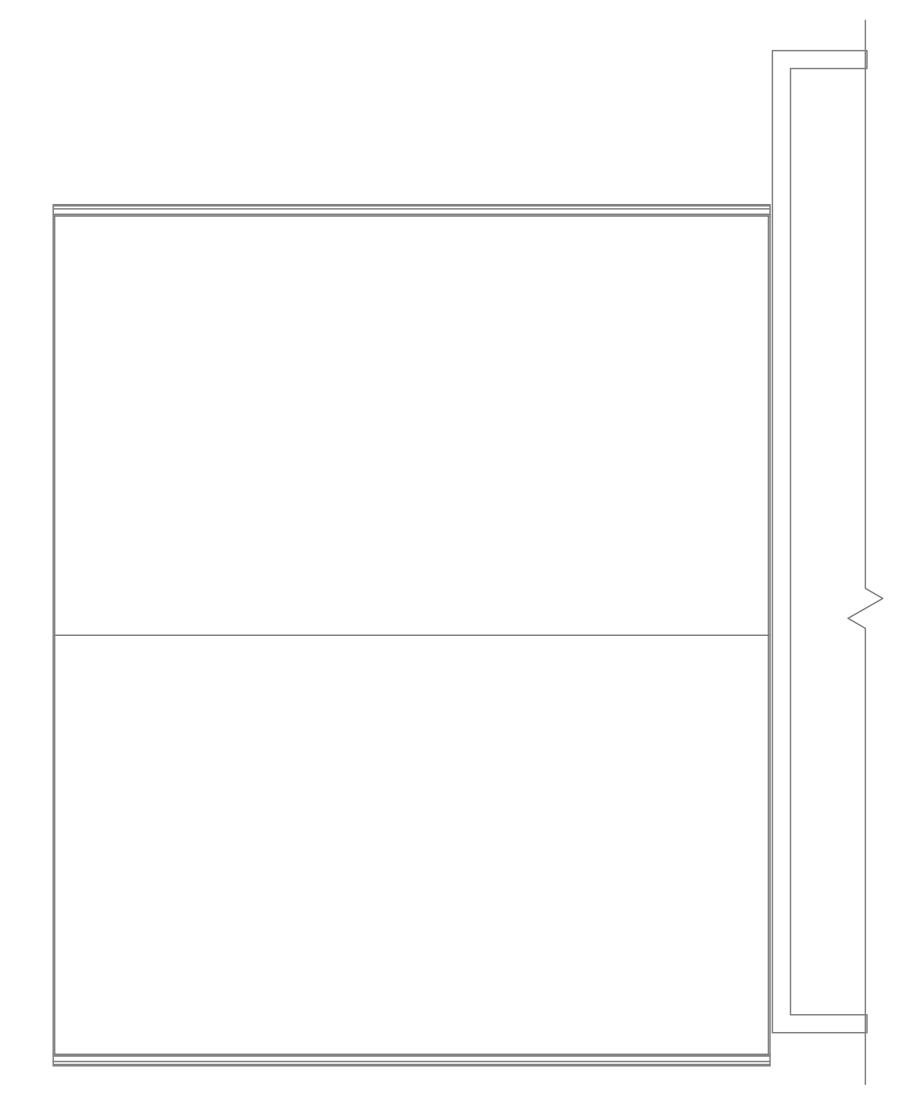
CITY GOSPEL MISSION LUMINAIRE SCHEDULE							
CALLOUT	SYMBOL	LAMP	DESCRIPTION	MODEL	INPUT VA		
CH1	٩	LED	DECORATIVE CHANDELIER	TBD	125		
EE6	ю	(1) 12W LED EXTERIOR DECORATIVE WALL LIGHT BASELITE SPC14-SSP-WM14X-LED12W-30F		BASELITE SPC14-SSP-WM14X-LED12W-30K-LDMO-10V-BA6	12		
EM	Ľ,	(2) 1.7W LED	EMERGENCY 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	¢	(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) 9W LED/MOTOR	FAN/LIGHT COMBO	RP LIGHTING ALDEA IV - 4 BLADE 1047LED-WW-WW / PROVIDE WALL CONTROLS	64		
F2	٥	(1) 70W MOTOR-ONLY	WALLMOUNT OSCILLATING FAN (SLEEPING ROOMS)	CRAFTMADE - 14" BELLOWS HARD-WIRED INDOOR / OUTDOOR FAN (HARDWIRED, SEE INSTALATION INSTRUCTIONS FOR MORE INFO)	70		
FD1	٩	20W MOTOR ONLY	EXTERIOR FLOOD W/ MOTION & PHOTOCELL (PROVIDE SWITCH AS SHOWN)	SUNLIGHT 20-Watt 150-Degree Black Motion Activated Outdoor Integrated LED Flood Dual Head Round Wall Mount Security Light, 5000K	20		
FL2-S	ю	(1) 11W LED	2' LED SURFACE STRIP	LITHONIA MNSL L23 1LL MVOLT 40K 80 CRI M6	11		
FL4-S	ю———і	(1) 36W LED	4' LED SURFACE STRIP	LITHONIA CSS L484 AL03 MVOLT SWW3 80CRI	36		
SM1	0	(1) 15W LED	8" SURFACE MOUNT LED DISC	AFX LIGHTING EGRF06LAJD1WH	15		
SM2	0	(1) 12W LED	6" SURFACE MOUNT LED DISC	AFX LIGHTING EGRF06LAJD1WH	12		
SM3	0	(1) 13W LED	7" SURFACE MOUNT LED DISC	JSF LIGHTING JSF-7IN-10LM-30K-90CRI-MVOLT ZT-WH	13		
UC8		(1) 6.5W LED	8" UNDERCABINET LED LIGHT	WAC LIGHTING 120V 3-CCT BARLIGHT BA-AC08-CS 35K-90-WH	6.5		
UC18		(1) 10.5W LED	18" UNDERCABINET LED LIGHT	WAC LIGHTING 120V 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		
V1	ю	(1) 18W LED	BATH VANITY	SHADES OF LIGHT VERSATILE VANITY LIGHT - 1 LIGHT SKU: BS18161 AB AGED	18		
V2	Ю	(2) 13W LED	BATH VANITY	SHADES OF LIGHT VERSATILE VANITY LIGHT - 2 LIGHT. SKU: BS18162 AB AGED	26		

NL = EGRESS ILLUMINATION



PROPOSED PLAN_LEVEL 2 1/4" = 1'-0"

7. REPLACE EXISTING REAR EXTERIOR LIGHT FIXTURE WITH NEW UP/DOWN FIXTURE PROVIDED BY OWNER. WIRE AS SHOWN.





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 513.396.8900

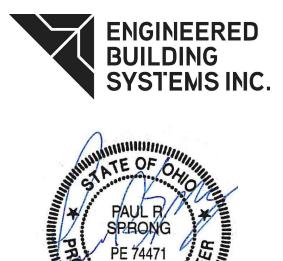
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HTCTC - 141 GOETHE RENOVATION

141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

CITY GOSPEL MISSION



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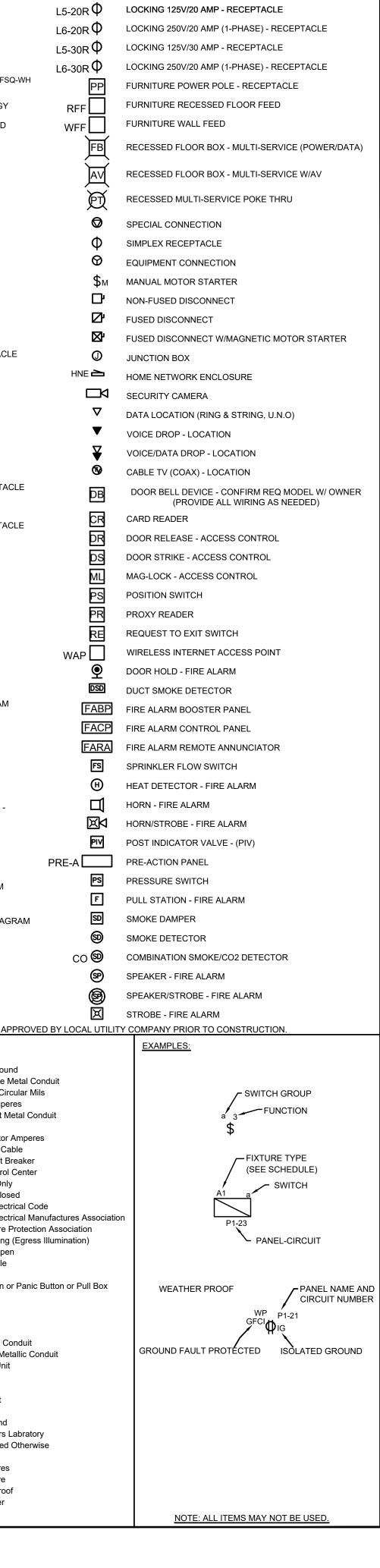
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ISSUED FOR PERMIT 06-27-2023 SHEET NAME ELECTRICAL LIGHTING FLOOR PLANS SHEET NO. E2.01

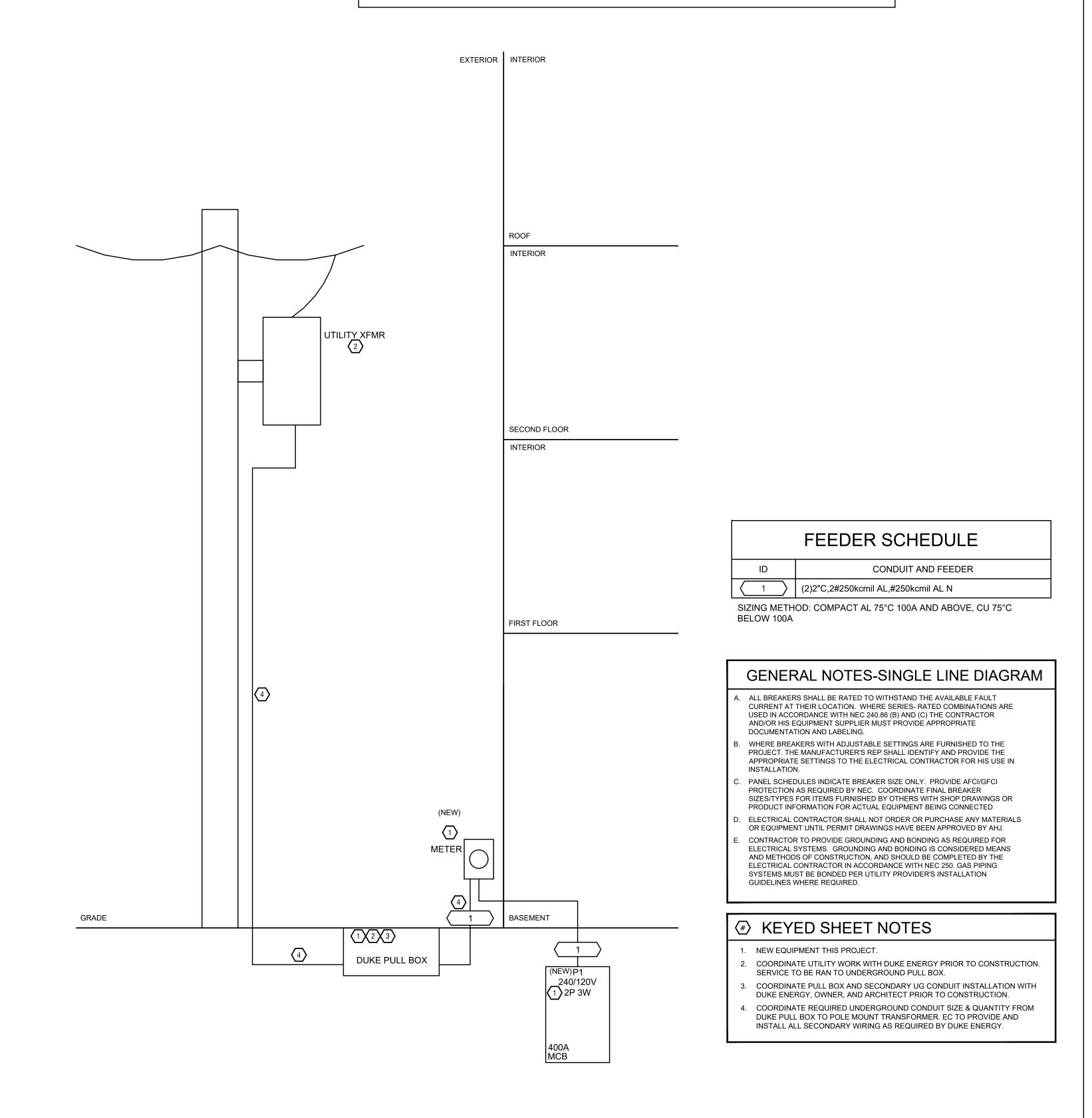
ELECTRICAL LEGEND

\$	SINGLE POLE LIGHT SWI	ITCH	
\$ 3	THREE WAY LIGHT SWIT	СН	
\$4	FOUR WAY LIGHT SWITC	Н	
\$ _D	DIMMER SWITCH		
\$ _{FS}	COMBO FAN/LIGHT CONTR (OR APPROVED EQUAL)	OL - LUTI	KUN # AYZ-LFS
O DT	OCC SENSOR - CEILING	- DUAL T	ECHNOLOGY
S PIR	OCC SENSOR - CEILING	- PASSIV	E INFRARED
\$от	OCC SENSOR - WALL - D	UAL TEC	HNOLOGY
\$PIR	OCC SENSOR - WALL - P	ASSIVE I	NFRARED
	OCC SENSOR POWER PA	ACK	
	OCC SENSOR POWER PA	ACK - 2 C	кт
Φ	DUPLEX RECEPTACLE		
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D	COUNTER HEIGHT DUPL	EX RECE	PTACLE
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(CLNG)	CEILING (SHOW WINDOV	-	-
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GFCI 🕈			
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	WEATHER PROOF - GFC	-	-
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	GARBAGE DISPOSAL		
MW P	MICROWAVE RECEPTAC	LE	
	REFRIGERATOR RECEPT	TACLE	
	RANGE - 208-240V/ 1-PHA	ASE 50 A	MP RECEPTA
	WASHER - GFCI RECEPT	ACLE	
$_{ m dryer}\Phi$	DRYER - 208-240V/ 1-PHA	ASE 30 AI	MP RECEPTAG
$_{\text{W/D}} \Phi$	STACKED WASHER/DRY		240V/
	1-PHASE 30 AMP RECEP	-	
<u> </u>	DUPLEX - MONUMENT FL	-OOR BC	X
Φ	DUPLEX - RECESSED FL	OOR BO	x
	PANELBOARD		
	PANELBOARD W/ B SINGLE LINE DIAGE		B OR MLO) -
	SINGLE LINE DIAG	NAIVI	
35			
3	TRANSFORMER - S	SINGLE LI	INE DIAGRAM
	TRANSFORMER W/		D -
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	* CT CABINET - SIN		
	* FINAL METER CO	NFIGURA	ATION TBD/ AF
	<u>S:</u>	HP	Heat Pump
# Number Ω Ohm		HZ IG	Hertz Isolated Groui
Φ Phase A Amperes	2	IMC	Intermediate M Thousand Cire
AC Alternation	ng Current	KVA	Kilovolt-Ampe
A/C Air Cond AFCI Arc Faul	litioning t Current Interrupter	LFMC LTG	Liquid Tight M Lighitng
AHU Air Hand AIC Ampere	lling Unit Interrupting Capacity	LRA MC	Locked Rotor Metal Clad Ca
AL Aluminui		MCB	Main Circuit B
	ic Transfer Switch ic Temperature Control	MCC MLO	Motor Control Main Lug Only
AWG America	n Wire Gauge	NC	Normally Clos
C Conduit CATV Cable Te	elevision	NEC NEMA	National Elect National Elect
CB Critical B C/B Circuit B		NFPA NL	National Fire I Night Lighting
CKT Circuit		NO	Normally Ope
CCTV Closed C CT Current	Circuit Television Transformer	NTS P	Not To Scale Pole
CU Condens	-	PB PNL	Push Button c Panel
DIA Diameter	r	PWR	Power
EC Electrica EF Exhaust	l Contractor Fan	QTY REQ	Quantity Required
ELEV Elevator		RMC	Rigid Metal Co
EM Emerger EMT Electrica	ncy I Metallic Tubing	RNC RTU	Rigid Non-Me Roof Top Unit
EPO Emerger	ncy Power Off Vater Cooler	ST SW	Shunt Trip Switch
EWH Electric V	Nater Heater	TSTAT	Thermostat
FA Fire Alari FAA Fire Alari	m m Annuciator	TYP UG	Typical Underground
FLA Full Load	d Amperes	UL	Underwriters I
GF Gas Furr		UNO V	Unless Noted Volt
GFCI Ground I GND Ground	Fault Current Interrupter	VA W	Volt-Amperes Watt or Wire
GWH Gas Wat	er Heater f-Automatic Switch	WP	Weather Proo Transformer
HOA Hand-Of		~ ~ ~ ~ ~ ~	11.20.00

HVAC Heating, Ventilation, Air Conditioning



*SEE LIGHT FIXTURE SCHEDULE FOR FIXTURE TYPES.



M(FE	DOM DUNTING D FROM DTE	FLUSH METER			VOLTS 240 , BUS AMPS NEUTRAL 1	40	0	2P	3W		Ν	NC T.B.D MAIN BKR .UGS STA	400
CKT #	CKT BKR	LOAD KVA	CIRCUI	T DESCRI	PTION	Τ	CKT #	C B	KT KR	LOAD KVA	CIRC	UIT DESC	RIPTION
1 3 7 9 11	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	1.8 1.14 1.08 1.26 1.08 0.9 0.825 0.831 0.1 1.5 5 1 3.84 6 6 0.36 0	BED2 I BED3 I BED4 I GFCI B EXTERI RECEP LIGHTIN (RF1) I WASHE DRYER DH-1 HP-A- HP-A-	LIGHTING, RECEPTAC RECEPTAC ATH OR LIGHT TACLE IG RADON F/ R -1.5	ELE ING, AN	рарарарарар	4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38	20 20 20 40 30 60 41 30 20 20 20 20 20 20 20 20 20 20 20 20 20)/1)/1	1.62 0.72 0.54 0.5 1.5 8 6.84 13.1 9.96 5 1.5 0.2 0.5 0.25 0 0	RECE RECE FRIG. MICR RANC AHU- AHU- DRYE WASH	OWAVE SE -A-1.5 -A-2 -A-2 SS CONT 21 SE	FACLE
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							AN ASE		٩D		79.1 330 A 101% 99.1%	-	



ARCHITECT & INTERIOR DESIGN ARCX STUDIO

FIRM.18314012 1616 VINE STREET, CINCINNATI, OH 45202 513.832.1302 **CIVIL ENGINEER**

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

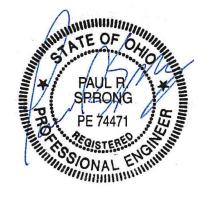
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141 GOETHE ST CINCINNATI, 45202

ARCX STUDIO PROJECT NUMBER 2301

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LECTRICAL SPECIFICATIONS 1. GENERAL DEMOLITION

- a. REFER TO ARCHITECTURAL DRAWINGS, GENERAL NOTES, INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS, BASE BUILDING SPECIFICATIONS AND RAWINGS. 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.
- 4. CODES a. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE ELECTRICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO OWNER. 5. PERMITS AND FEES
- a. THE ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS NECESSARY TO COMPLETE THE ELECTRICAL WORK. 6. WARRANTY
- a. THE ELECTRICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE, AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.
- 7. SITE EXAMINATION
- a. THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS OF WORK WHERE EQUIPMENT WILL BE INSTALLED AND SHALL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE ELECTRICAL WORK PRIOR TO BID. HE SHALL ALSO EXAMINE THE DRAWINGS AND SPECIFICATIONS OF OTHER BRANCHES OF WORK MAKING REFERENCE TO THEM FOR DETAILS OF NEW OR EXISTING BUILDING CONDITIONS.
- b. ALL WORK SHALL BE DONE AT TIMES CONVENIENT TO THE OWNER AND ONLY DURING NORMAL WORKING HOURS, UNLESS SPECIFIED OTHERWISE.
- c. ELECTRICAL CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AND BE RESPONSIBLE FOR THEM. d. ACCESS PANELS ARE NOT SHOWN ON DRAWINGS. DURING SITE
- EXAMINATION, CONTRACTOR SHALL IDENTIFY ALL AREAS WHERE ACCESS PANELS ARE REQUIRED, AND REPORT TO GENERAL CONTRACTOR. DESIGNATION OF WHO FURNISHES AND WHO INSTALLS ACCESS PANELS MUST BE COORDINATED WITH GENERAL CONTRACTOR PRIOR TO STARTING WORK. 8. CONTRACTOR COORDINATION
- a. 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
- b. ALL SYSTEMS INSTALLED BY EACH SUB-CONTRACTOR SHALL BE COORDINATED WITH ONE ANOTHER AND APPROVED BY GENERAL CONTRACTOR/CONSTRUCTION MANAGER, ETC. PRIOR TO INSTALLATION AND/OR FABRICATION. WHERE THE ELECTRICAL CONTRACTOR IS MAKING A CONNECTION TO EQUIPMENT/COMPONENTS THAT ARE FURNISHED BY OTHERS, ELECTRICAL CONTRACTOR TO VERIFY ALL CONNECTION REQUIREMENTS WITH ACTUAL EQUIPMENT BEING CONNECTED, INCLUDING BUT NOT LIMITED TO OCP SIZE, MEANS OF DISCONNECT, SPECIAL CONNECTION REQUIREMENTS, OR OTHER ITEMS INDICATED ON SHOP DRAWINGS, OR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND/OR INSTALLATION DIAGRAMS, AND FURNISH ALL LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION AND OPERATION OF THE EQUIPMENT. NO ALLOWANCES WILL BE MADE FOR FAILURE TO COORDINATE, AFTER ELECTRICAL CONNECTIONS HAVE BEEN INSTALLED.
- c. IF QUESTIONS CONCERNING DESIGN INTENT ARISE DURING COORDINATION, EBS CAN ASSIST WHERE APPROPRIATE.
- d. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS; USE ACTUAL BUILDING DIMENSIONS.

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
- 10. SUBMITTALS a. PRODUCTS INSTALLED BY THE ELECTRICAL CONTRACTOR AND PROVIDED BY OTHERS MUST BE SUBMITTED FOR REVIEW PRIOR TO
- 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
- ELECTRICAL CONTRACTOR & GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT FOR THEIR REVIEW & APPROVAL. c. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE ELECTRICAL
- CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS & APPLICABLE CODES. 13. TESTING a. ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION.
- BALANCE ALL BRANCH CIRCUIT LOADS BETWEEN THE PHASES OF THE SYSTEM TO WITHIN 10% OF THE HIGHEST PHASE LOAD IN EACH PANELBOARD. 14. TEMPORARY POWER
- a. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL WIRING FOR CONSTRUCTION. THE TEMPORARY SERVICE SHALL BE A MINIMUM OF 60 AMPS, SINGLE PHASE, THREE WIRE, 120/208 VOLTS FUSED AT MAIN DISCONNECT. ALL RECEPTACLES ON THIS TEMPORARY SERVICE SHALL BE PROTECTED BY A GFI BREAKER.
- 15. MECHANICAL EQUIPMENT 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
- WITH NEC 250. b. ANY GAS PIPING SYSTEMS MUST BE BONDED PER UTILITY PROVIDER'S INSTALLATION GUIDELINES WHERE REQUIRED
- 19. MATERIALS a. PROVIDE ALL NEW MATERIAL AND EQUIPMENT UNLESS NOTED OTHERWISE. ALL EQUIPMENT SHALL BE UL APPROVED AND LABELED,
- 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 ORDERING.

e. COORDINATION DRAWINGS SHOWING SYSTEM AND COMPONENT INSTALLATION LAYOUT, ROUTING, DETAILS, ETC. SHALL BE PRODUCED

UTILITY COMPANY'S INSTALLATION REQUIREMENTS AND/OR MANUALS.

PURCHASING. PRODUCTS SHALL NOT BE SELECTED BASED ON PERMIT

EQUIPMENT AND MATERIALS SHALL BE REVIEWED & APPROVED BY THE

BE COMPLETED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE

OR OTHER APPROVED TESTING ORGANIZATION WHICH HAS

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.
- a. PROVIDE CODE APPROVED WIRING METHODS FOR BRANCH CIRCUITING
- 21. WIRING METHODS

- INDOORS, SUCH AS NM CABLE (ONLY WHERE PERMITTED BY NEC 334),

- AND POWER. b. CONDUIT RUNS ON EXTERIOR OF BUILDING SHALL BE RIGID STEEL CONDUIT WITH WEATHER TIGHT, CORROSION-RESISTANT FITTINGS.

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

- 29. GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS AND EQUIPMENT a. PROVIDE GROUNDING AND BONDING FOR ELECTRICAL SERVICE IN ACCORDANCE WITH NEC ARTICLE 250.
- b. ALL MAJOR PARTS NOT CARRYING CURRENT, INCLUDING BUT NOT LIMITED TO, SECONDARY FEEDER CIRCUIT, EQUIPMENT AND PANELBOARD ENCLOSURES, PULL AND JUNCTION BOXES, SHALL BE PROPERLY GROUNDED. METALLIC RACEWAYS SHALL UTILIZE DOUBLE LOCKNUTS AND OTHER FITTINGS AS REQUIRED TO PROVIDE GROUND CONTINUITY.
- 30. LIGHTING CONTACTORS a. PROVIDE LIGHTING CONTACTORS AS INDICATED ON DRAWINGS. 30A, 12-POLE LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE.
- 31. MULTI-TENANT METER CENTERS a. PROVIDE METER CENTERS(S) AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. METER CENTERS SHALL HAVE MAIN LUGS ONLY OR MAIN BREAKERS AS REQUIRED, AND SHALL HAVE BRANCH BREAKER INSTALLED FOR EACH METER SOCKET. METER CENTERS SHALL BE EATON, SQUARE D, GE BY ABB, OR EQUAL, AND SHALL BE OF THE SAME MANUFACTURE AS LOAD CENTERS OR PANELBOARDS SERVED. METER CENTERS SHALL BE ENCLOSED NEMA 1, NEMA 3R AS REQUIRED. FINAL CONFIGURATION (NUMBER OF METERS PER SECTION, END-MAIN/CENTER-MAIN, ETC. SHALL BE DETERMINED BY CONTRACTOR ALL BUSSING MUST BE RATED FOR THE LOADS SERVED. METER CENTERS SHALL BE RATED TO WITHSTAND THE AVAILABLE FAULT CURRENT. 32. PANELBOARDS
- a. PROVIDE BRANCH CIRCUIT PANELBOARD(S) AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. PANELBOARDS SHALL HAVE BOLTED. THERMAL AND MAGNETIC BREAKERS WITH MAIN LUGS ONLY OR MAIN BREAKERS AS REQUIRED. PANELBOARDS SHALL BE EATON, SQUARE D, GE BY ABB, OR EQUAL, AND BE ENCLOSED IN NEMA 1 TYPE HOUSING UNLESS NOTED OTHERWISE. ENCLOSURE(S) SHALL BE COMPLETE WITH A HINGED DOOR, CYLINDER LOCK, AND A NEATLY TYPED DIRECTORY UNDER PLASTIC COVER IN EACH PANEL DOOR. ALL MULTIPLE POLE BREAKERS SHALL HAVE A COMMON TRIP HANDLE. ALL PANELS AND BREAKERS SHALL BE RATED TO WITHSTAND AVAILABLE FAULT CURRENT.
- 33. RESIDENTIAL LOAD CENTERS a. PROVIDE LOAD CENTERS AS SHOWN ON DRAWINGS AND AS SPECIFIED HEREIN. LOAD CENTERS SHALL BE EATON, SQUARE D, GE BY ABB, OR EQUAL. LOAD CENTERS SHALL CONTAIN A NEATLY TYPED DIRECTORY IN EACH DOOR. ALL MULTIPLE POLE BREAKERS SHALL HAVE A COMMON TRIP HANDLE. ALL PANELS AND BREAKERS SHALL BE RATED TO WITHSTAND
- AVAILABLE FAULT CURRENT. LOAD CENTERS MAY BE USED IN AREAS OTHER THAN DWELLING UNITS WHERE APPROPRIATE AND WHERE APPROVED BY OWNER'S REPRESENTATIVE. 34. LIGHTING a. PROVIDE A NEW LIGHTING SYSTEM COMPLETE AND FULLY OPERATIONAL AND IN CONFORMANCE WITH CODE AND UL LISTING REQUIREMENTS. CLEAN ALL FIXTURES AT TIME OF JOB COMPLETION UTILIZING MANUFACTURERS APPROVED OR RECOMMENDED CLEANING SOLUTIONS. ALL FIXTURES AND LAMPS ARE PROVIDED BY THIS CONTRACTOR AS SCHEDULED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL FURNISH ALL BOXES, MOUNTING KITS, TRANSFORMERS, CONTROLLERS, AND OTHER COMPONENTS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL INSTALLATION. b. WHERE DIMMERS AND/OR DIMMING SYSTEMS ARE REQUIRED, CONTRACTOR TO FURNISH DIMMERS THAT ARE COMPATIBLE WITH
- FIXTURE SOURCE AND RATED FOR THE WATTAGE OF THE DIMMING ZONE. PROVIDE ADDITIONAL DIMMERS AS REQUIRED TO MEET ZONE LOAD REQUIREMENTS. 35. TELEPHONE SYSTEM a. TELEPHONE WIRING AND SYSTEM PROVIDED BY OWNER. VERIFY
- SYSTEM REQUIREMENTS AND ROUGH-IN LOCATIONS WITH OWNER PRIOR TO START OF CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL PROVIDE PLASTER RING AND PULL STRING FROM EACH DEVICE LOCATION TO ABOVE ACCESSIBLE CEILING. 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 FLECTRICAL 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

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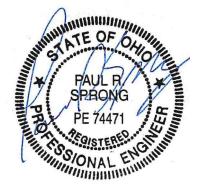
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