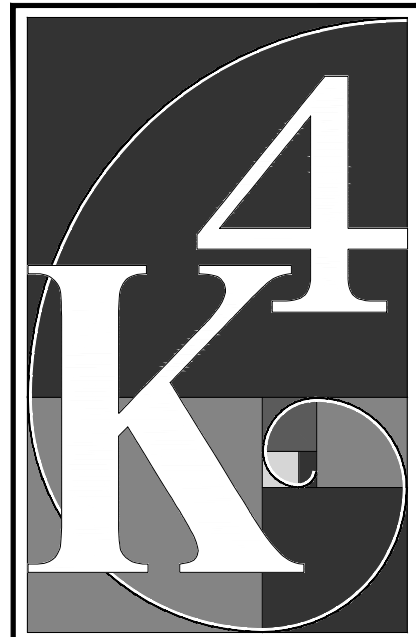


COMPLETE RENOVATION/MECHANICAL UPGRADES FOR:
GREENE COUNTY PUBLIC LIBRARY
XENIA COMMUNITY LIBRARY
76 EAST MARKET ST.
XENIA, OH 45385



**ARCHITECTURE
+ DESIGN**
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Cincinnati, Ohio 45203
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ABBREVIATION INDEX

@	AND	FT.	FOOT	O.T.	QUARRY TILE
A/C	AIR CONDITIONING	FURN.	FURNITURE	QTY.	QUANTITY
A.D.	AREA DRAIN	GA.	GAUGE	R.A.	REGISTERED ARCHITECT
A.F.F.	ABOVE FINISH FLOOR	GALV.	GALVANIZED	RAD.	RADIIUS
ALUM.	ALUMINUM	GYP. BD	GYPSSUM BOARD	REF.	REFRIGERATOR
ALT.	ALTERNATE	HDWD.	HARDWOOD	REINF.	REINFORCING
APPROX.	APPROXIMATE	HDR.	HEADER	REV.	REVISION
B/	BOTTOM OF	H.M.	HOLLOW METAL	REQ'D	REQUIRED
BD.	BOARD	HORIZ.	HORIZONTAL	RESIL.	RESILIENT
BLDG.	BUILDING	HGT.	HEIGHT	RM.	ROOM
BM.	BEAM	I.D.	INSIDE DIAMETER	R.O.	ROUGH OPENING
BSMT.	BASEMENT	INSUL.	INSULATION	SCHED.	SCHEDULE
BTWN.	BETWEEN	INT.	INTERIOR	SEC.	SECTION
BOT.	BOTTOM	JT.	JOINT	S.F.	SQUARE FOOT
C.L.	CENTER LINE	KIT.	KITCHEN	SH.T.	SHEET
C.T.	CERAMIC TILE	LAM.	LAMINATE	SIM.	SIMILAR
CLG.	CEILING	LAV.	LAVATORY	SPEC.	SPECIFICATION
CLOS.	CLOSET	LT.	LIGHT	SQ.	SQUARE
CM	CONSTRUCTION MGR.	MAS.	MASONRY	S.S.	STAINLESS STEEL
CMU	CONC. MASONRY UNIT	MAX.	MAXIMUM	STD.	STANDARD
COL.	COLUMN	MECH.	MECHANICAL	STL.	STEEL
CONC.	CONCRETE	MTL.	METAL	STRUCT.	STRUCTURAL
CONT.	CONTINUOUS	MFR.	MANUFACTURER	SUSP.	SUSPENDED
CONST.	CONSTRUCTION	MIN.	MINIMUM	T/	TOP OF
DEPT.	DEPARTMENT	MISC.	MISCELLANEOUS	TEL.	TELEPHONE
DTL.	DETAIL	M.O.	MASONRY OPENING	THK.	THICK
D.F.	DRINKING FOUNTAIN	MTD.	MOUNTED	THRU	THROUGH
DIA.	DIAMETER	N.I.C.	NOT IN CONTRACT	T.O.P.	TOP OF PLATE
DIM.	DIMENSION	NO.	NUMBER	T.O.S.	TOP OF STEEL
DISP.	DISPENSER	NOM.	NOMINAL	T.O.SL.	TOP OF SLAB
DN	DOWN	N.T.S.	NOT TO SCALE	TRT.	TREATED
DR	DOOR	O.A.	OVERALL	TYP.	TYPICAL
D.S.	DOWN SPOUT	O.C.	ON CENTER	V.C.B.	VINYL COMPOSITION BASE
DWG.	DRAWING	O.D.	OUTSIDE DIAMETER	V.C.T.	VINYL COMPOSITION TILE
EA.	EACH	OPNG.	OPENING	VERT.	VERTICAL
EL.	ELEVATION	OPP.	OPPOSITE	V.I.F.	VERIFY IN FIELD
ELEC.	ELECTRICAL	OPT.	OPTIONAL	V.W.C.	VINYL WALL COVERING
EQ.	EQUAL	PL	PLATE	W/	WITH
EQUIP.	EQUIPMENT	P.LAM.	PLASTIC LAMINATE	W.C.	WATER CLOSET
EXIST.	EXISTING	PLUMB.	PLUMBING	WD.	WOOD
EXT.	EXTERIOR	PLYWD.	PLYWOOD	W/O	WITHOUT
EW	ELECTRIC WATER COOLER	PR.	PAIR	WP.	WATERPROOFING
F.D.	FLOOR DRAIN	PROP.	PROPERTY	WT.	WEIGHT
FIN.	FINISH	P.S.F.	PER SQUARE FOOT	WWM.	WELDED WIRE MESH
FL.	FLOOR	P.S.I.	PER SQUARE INCH		
F.O.	FACE OF	P.TD.	PAINTED		
		P.V.C.	POLY VINYL CHLORIDE		

GENERAL NOTES

1. THE USE OF THESE DOCUMENTS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. REUSE OR REPRODUCTION OF THE DOCUMENTS (WHOLE OR IN PART) FOR ANY OTHER PURPOSE IS PROHIBITED. K4 ARCHITECTURE, LLC, RETAINS ALL RIGHTS OF OWNERSHIP FOR THESE DOCUMENTS.
2. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS INCLUDING EMPLOYEES AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.
3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK AND FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE OF CONSTRUCTION.
4. THE GENERAL CONTRACTOR IS TO GUARANTEE ALL WORK INCLUDING WORK DONE BY SUBCONTRACTORS FOR A PERIOD OF ONE (1) YEAR COMMENCING WITH THE DATE OF SUBSTANTIAL COMPLETION.
5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SCHEDULING OF INSPECTIONS.
6. WHEN THE CONTRACTOR ACCEPTS DELIVERY OF THE ITEMS NOTED ON PLANS EITHER IN CONTRACT OR NOT IN CONTRACT THEY SHALL BE RESPONSIBLE FOR LOSS AND/OR DAMAGE TO THESE ITEMS.
7. GENERAL CONTRACTOR TO HAVE JOB TRAILER AND PHONE ON PREMISES DURING ENTIRE CONSTRUCTION PERIOD.
8. THE GENERAL CONTRACTOR IS TO HAVE A FULL TIME QUALIFIED SUPERVISOR ON THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED.
9. ALL DIMENSIONS SHOWN ARE NOMINAL DIMENSIONS UNLESS SPECIFICALLY NOTED OTHERWISE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND EXISTING FIELD CONDITIONS WITH THE DRAWINGS. IN PARTICULAR, OVERALL WALL DIMENSIONS, SOIL CONDITIONS, INCOMING UTILITIES, ETC. GENERAL CONTRACTOR IS TO REPORT IMMEDIATELY TO THE ARCHITECT ANY VARIANCES OR FIELD CONDITIONS THAT MAY CAUSE CONSTRUCTION PROBLEMS PRIOR TO COMMENCING WORK.
10. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. ALL PARTITION LOCATIONS, ALL DOOR AND OPENING LOCATIONS SHALL BE SHOWN ON FLOOR PLAN. IN CASE OF CONFLICT, NOTIFY THE ARCHITECT. FLOOR PLAN BY ARCHITECT SUPERCEDES ALL OTHER PLANS. ALL DIMENSIONS MARKED "CLEAR" OR "MIN." SHALL BE MAINTAINED. PROVIDE 1/2" MIN. ALLOW FOR THICKNESS OF ALL FINISHES INCLUDING CARPET, PAD, CERAMIC TILE, V.C.T., SLATWALL, ETC.
11. ALL DIMENSIONS SHOWN ARE TO FACE OF BLOCK OR FRAMING UNLESS SPECIFICALLY NOTED OTHERWISE.
12. PROVIDE PORTABLE FIRE EXTINGUISHERS WITH U.L. LABEL AND A RATING OF NOT LESS THAN 10B-ABC WITH 75 FT TRAVEL DISTANCE TO ALL POSITIONS OF BUILDING OR AS DIRECTED BY THE FIRE DEPARTMENT FIELD INSPECTOR.
13. FIRE BLOCKING AT CONCEALED WALL SPACES. FIRE BLOCKING SHALL BE INSTALLED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED OR STUDDO-OUT SPACES OF MASONRY OR CONCRETE WALLS, AND AT THE CEILING AND FLOOR OR ROOF LEVELS.
14. CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES. FIRE BLOCKING SHALL BE INSTALLED AT ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS OVER CABINETS, DROP CEILINGS, COVE CEILINGS, AND SIMILAR LOCATIONS.
15. REQUIRED FLAME SPREAD RATING: INTERIOR FINISH OF WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN THAT DESIGNATED BY THE CLASS PRESCRIBED FOR THE VARIOUS GROUPS LISTED IN TABLE 803.4, WHEN TESTED IN ACCORDANCE WITH ASTM E-84.
16. ALL WOOD INSTALLED IN LOCATIONS IN CONTACT WITH MOISTURE TO BE PRESERVATIVE TREATED PER AWPA C1, C2, AND C9.
17. ALL GLASS UNITS LOCATED IN HAZARDOUS LOCATIONS SHALL COMPLY WITH TEST REQUIREMENTS OF CONSUMER PRODUCT SAFETY COMMISSION 16 CFR, PART 1201, FOR HUMAN IMPACT LOADS.
18. DOOR HARDWARE ON EGRESS DOORS SHALL ALLOW FOR EGRESS AT ALL TIMES WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE. ALL KEY OPERATING DEVICES SHALL COMPLY WITH ADA AND BE OF LEVER DESIGN. SEE DOOR SCHEDULE FOR SPECIFIC DOOR HARDWARE FUNCTIONS.
19. ARCHITECT HIGHLY RECOMMENDS A PROFESSIONAL CAULKING CONTRACTOR THAT IS AUTHORIZED TO INSTALL ALL INTERIOR & EXTERIOR CAULKING / SEALANTS ON THIS PROJECT.
20. GENERAL CONTRACTOR & ALL SUBCONTRACTORS MUST REFER TO BOTH THE DRAWINGS & SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR & ALL SUBCONTRACTORS TO REVIEW THE COMPLETE SET OF DRAWINGS (SEE INDEX OF DRAWINGS, THIS SHEET).
21. SCOPE OF WORK AND MATERIALS TO BE USED:
22. INSTALLATION OF ALL MATERIAL SPECIFIED SHALL COMPLY WITH MANUFACTURER'S PRODUCT DATA, INCLUDING PRODUCT TECHNICAL BULLETINS, PRODUCT CATALOG INSTALLATION INSTRUCTIONS, PRODUCT CARTON INSTRUCTIONS, AND SPECIFICATIONS FOR HANDLING, STORAGE, INSTALLATION, AND CLEANING.
23. THE CONTRACTOR SHALL EVALUATE THE JOB SITE SAFETY THEREOF AND SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE JOB SITE SAFETY OF SUCH MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.
24. CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
25. BEFORE STARTING EACH PORTION OF THE WORK, THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE VARIOUS DRAWINGS AND OTHER CONTRACT DOCUMENTS RELATIVE TO THAT PORTION OF THE WORK. SHALL TAKE FIELD MEASUREMENTS OF ANY EXISTING CONDITIONS RELATED TO THAT PORTION OF THE WORK AND SHALL OBSERVE ANY EXISTING CONDITIONS AT THE SITE AFFECTING IT. ANY ERRORS, INCONSISTENCIES OR OMISSIONS AND CONFLICTS DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED PROMPTLY TO THE ARCHITECT. THE CONTRACTOR SHALL REQUEST FOR INFORMATION IN SUCH FORM AS THE ARCHITECT MAY REQUIRE FOR ARCHITECT'S RESOLUTION.
26. THE FURNISHINGS CONTRACT FOR THE ITEMS LISTED BELOW IS BY OTHERS. THE GENERAL CONTRACTOR SHALL NOT INCLUDE THESE MATERIALS OR INSTALLATION OF THESE ITEMS IN THEIR BID EXCEPT WHERE NOTED: FURNITURE, ARTWORK, GRAPHICS, INTERIOR DESIGN SERVICES
27. THE INTERIOR DESIGNER OR ARCHITECT WILL PROVIDE MATERIAL AND COLOR SELECTIONS FOR THE INTERIOR AND EXTERIOR FINISHES. THE MATERIAL AND INSTALLATION OF FINISHES IS BY THE GENERAL CONTRACTOR.
28. GENERAL CONTRACTOR IS RESPONSIBLE FOR CAULKING ALL CASEWORK AND BACKSPASHES TO THE WALL.
29. THE DEMOLITION DRAWINGS AND ANY DRAWINGS ASSOCIATED WITH THE EXISTING BUILDING ARE INTENDED TO SHOW EXISTING CONDITIONS. EXISTING ARCHITECTURAL INFORMATION SHOWN WAS OBTAINED FROM EXISTING DRAWINGS BY K4 ARCHITECTURE, LLC DATED 1976, 1990, 2000 AND CASUAL SITE VISITS. IN THE EVENT OF DISCREPANCY BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, THE CONTRACTOR SHALL NOT PROCEED WITH DEMOLITION OR CONSTRUCTION IN AREAS OF DISCREPANCY UNTIL ALL SUCH DISCREPANCIES HAVE BEEN RESOLVED.

INDEX OF DRAWINGS

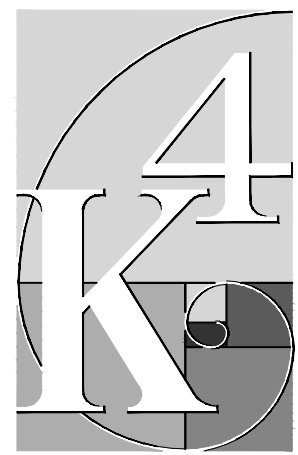
SHEET	DESCRIPTION	BID ISSUE - 01/04/23
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PH002	DEMO PHASING PLAN	●
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A001	ARCHITECTURAL SITE PLAN	●
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A205	SECOND FLOOR CEILING SECTIONS & DETAILS	●
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A303	FIRST FLOOR ENLARGED PLANS, ELEVATIONS, & DETAILS	●
A304	FIRST FLOOR ENLARGED PLANS, ELEVATIONS, & DETAILS	●
A305	FIRST FLOOR ENLARGED PLANS, ELEVATIONS, & DETAILS	●
A306	FIRST FLOOR ENLARGED PLANS, ELEVATIONS, & DETAILS	●
A307	FIRST FLOOR ENLARGED PLANS, ELEVATIONS, & DETAILS	●
A308	FIRST FLOOR ENLARGED PLANS, ELEVATIONS, & DETAILS	●
A309	FIRST FLOOR ENLARGED PLANS, ELEVATIONS, & DETAILS	●
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I501	CASEWORK PLANS, SECTIONS, & DETAILS	●
I902	CASEWORK PLANS, SECTIONS, & DETAILS	●

PROJECT TEAM

ARCHITECT: _____ MEP ENGINEER: _____



ARCHITECTURE
+ DESIGN

CIVIL ENGINEER:

MEP ENGINEER:



STRUCTURAL ENGINEER:

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ADVANTAGE GROUP
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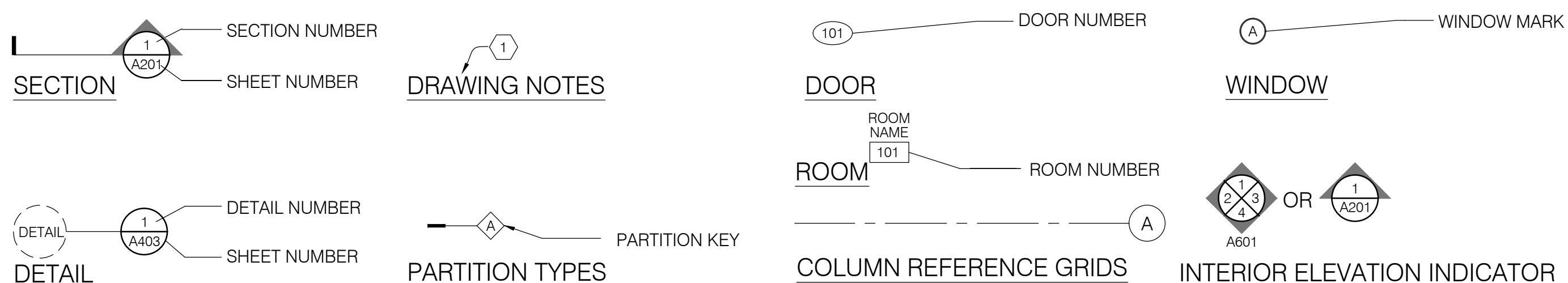
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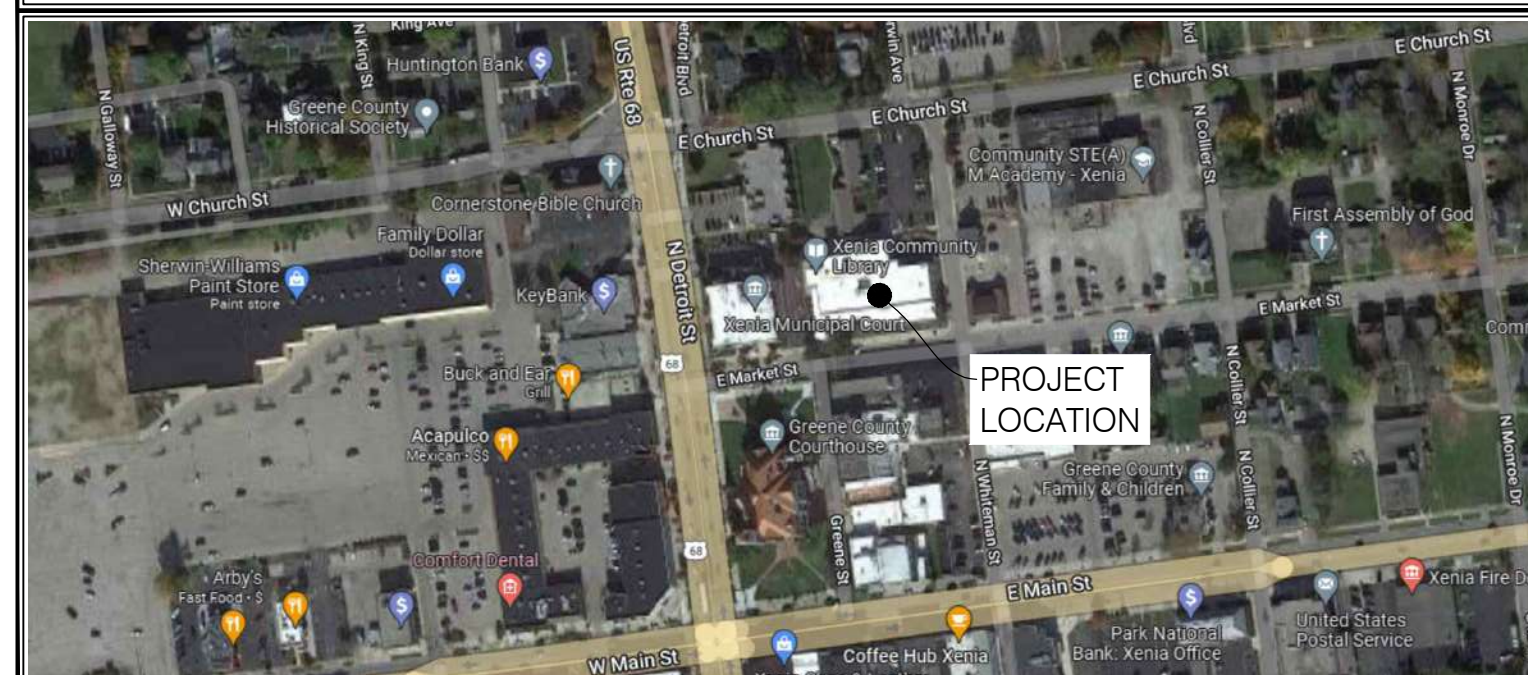
Yellow Springs Design

Roger Beal
205 Park Meadow Drive
P.O. Box 472
Yellow Springs, Ohio 45387
937-654-81999

GRAPHIC SYMBOLS



VICINITY MAP



COMPLETE RENOVATION/MECHANICAL UPGRADES:



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Public Library

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REVISIONS / SUBMISSIONS

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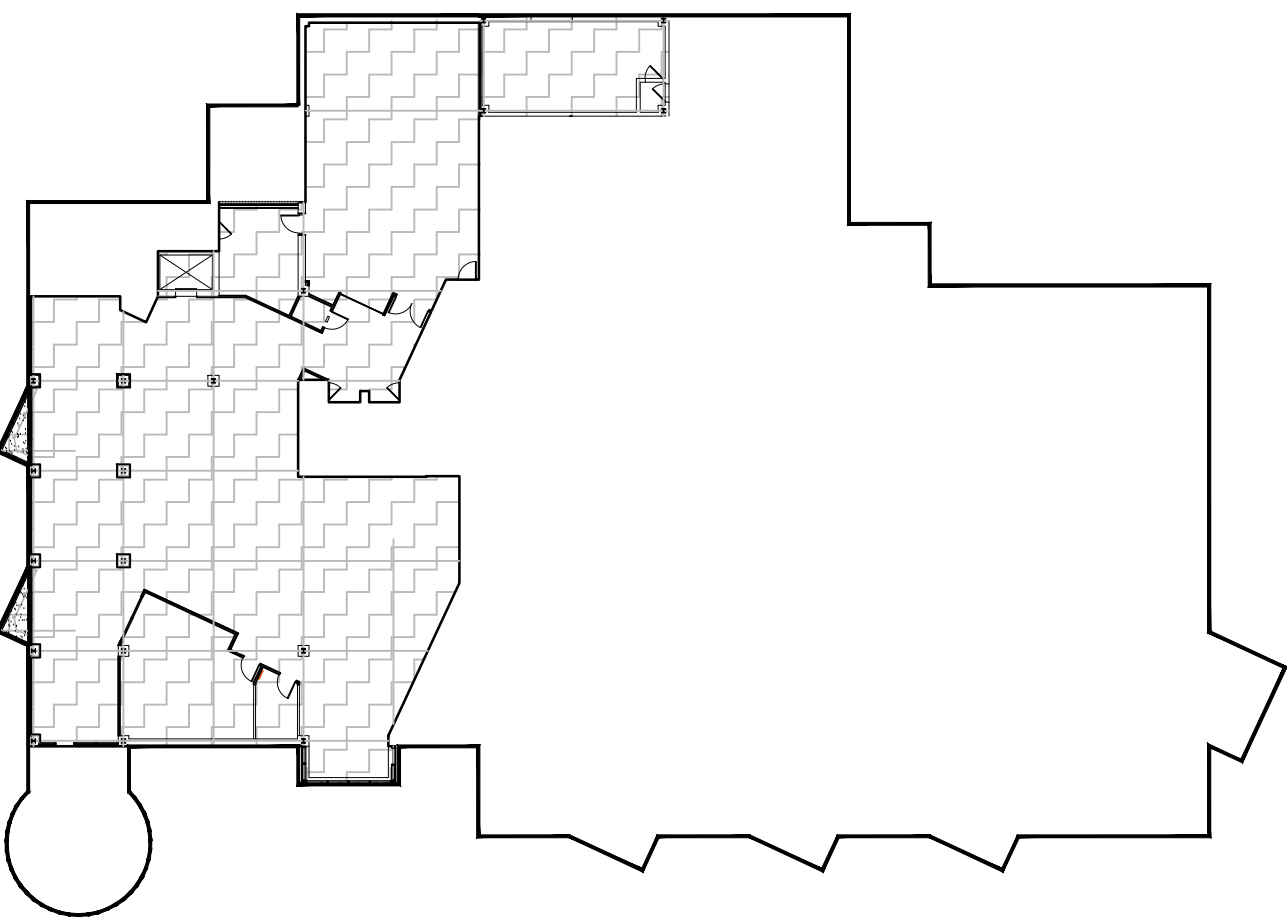
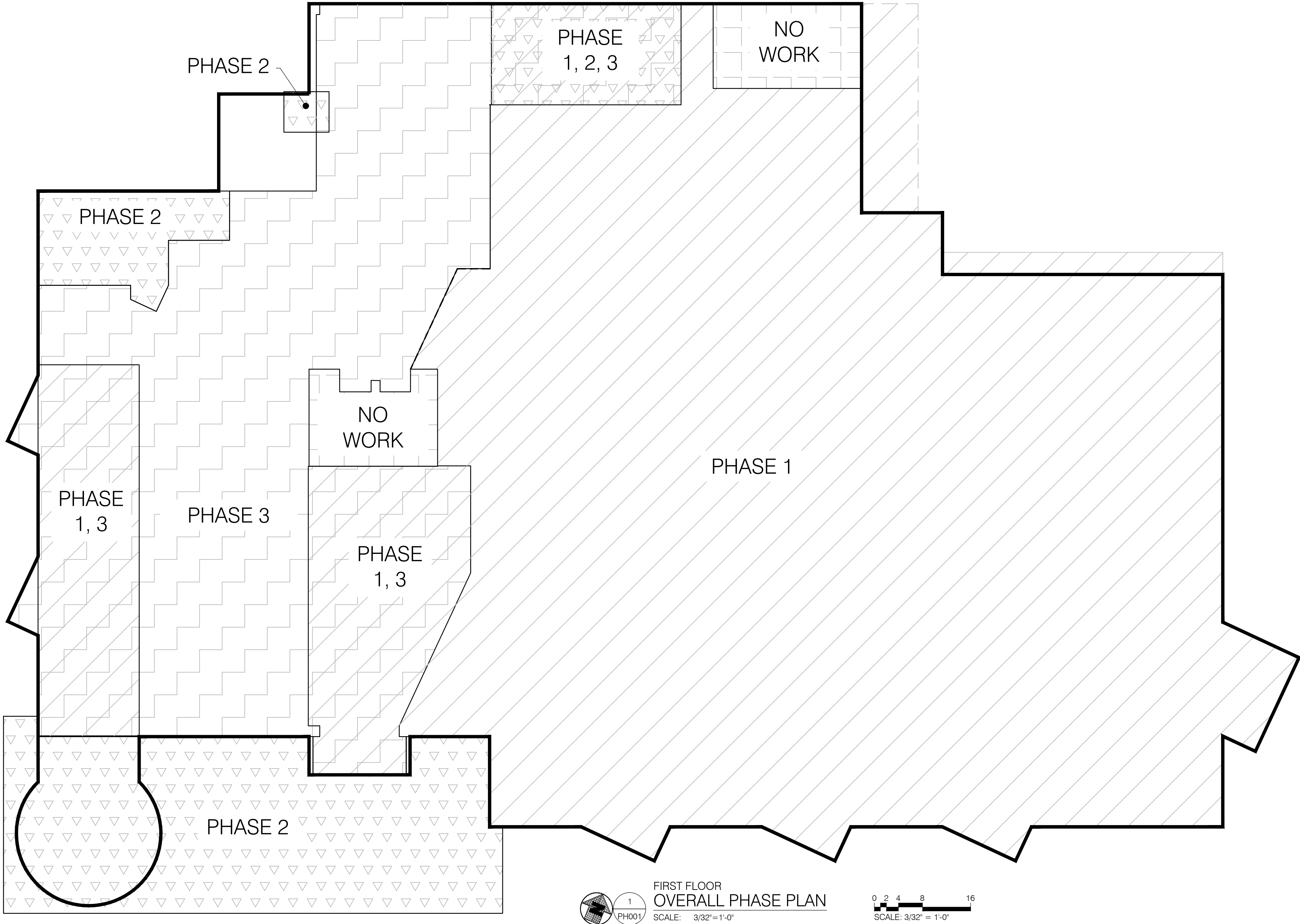
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T001

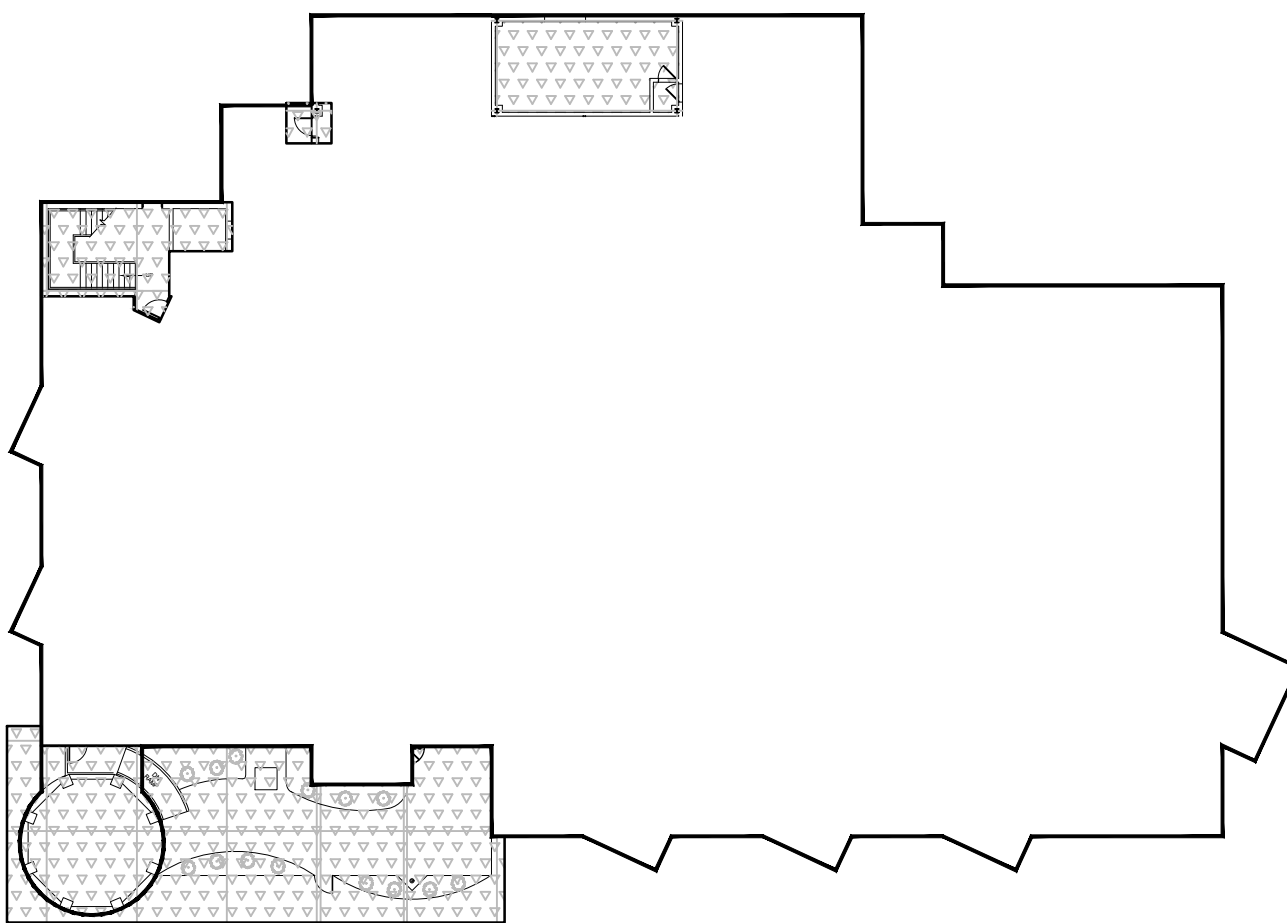
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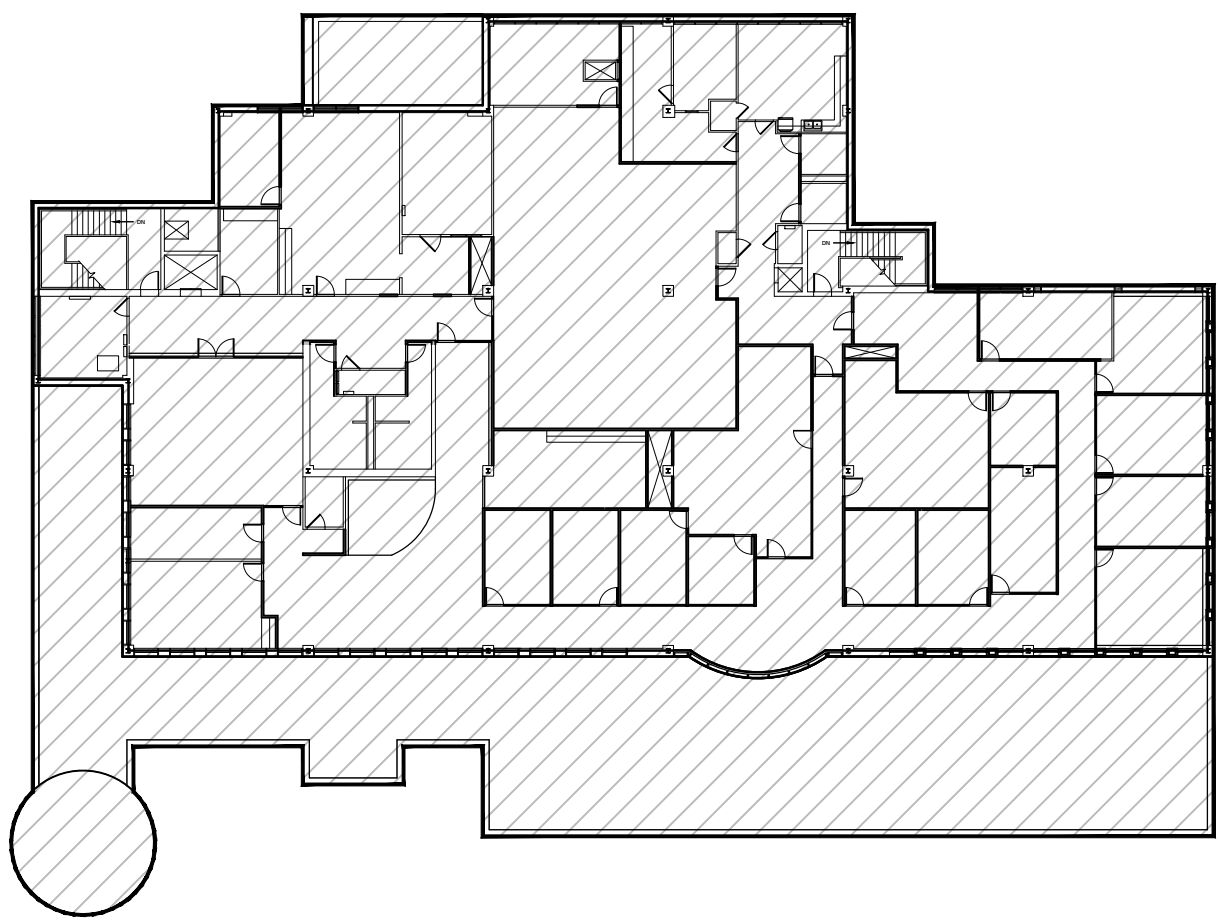
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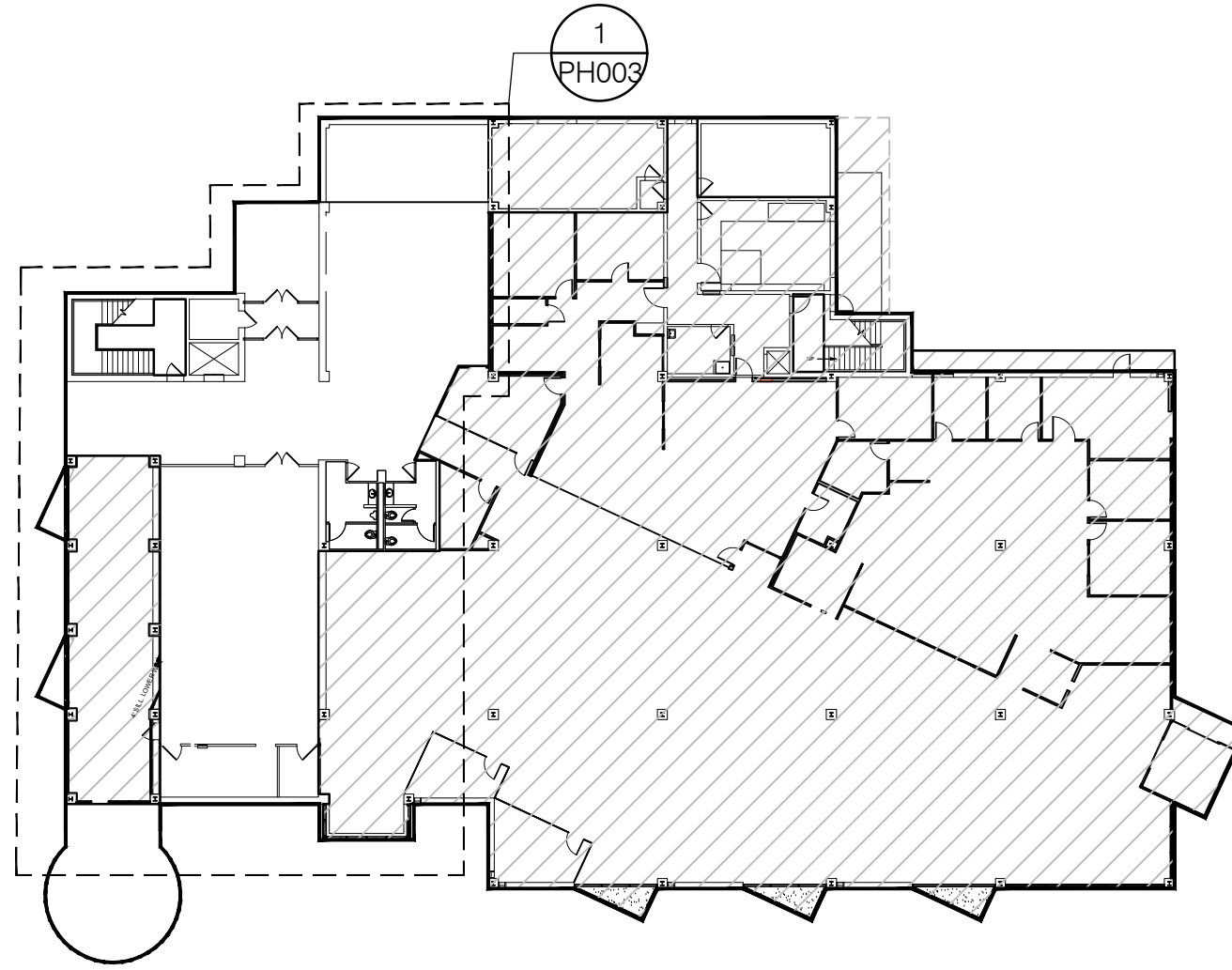
NO WORK SHALL START ON PHASE 3 UNTIL WORK IN PHASE 1 IS COMPLETE AND EXIT DOOR IS CREATED IN STAIRWELL. EMPLOYEES WILL OCCUPY SECOND FLOOR AND FIRST FLOOR AREA FROM PHASE 1. GC TO COMPLETE ALL WORK IN PHASE 3 AREA.



TEMPORARY OCCUPANCY FOR SECOND FLOOR IS GAINED. LIBRARY STAFF BEGIN RELOCATION TO SECOND FLOOR. OCCUPANCY ONLY GRANTED AFTER NEW EXIT DOOR IS CREATED IN STAIRWELL. GC TO COMPLETE ALL WORK IN PHASE 2 AREA.



SECOND FLOOR TO BE UNOCCUPIED AND INACCESSIBLE BY LIBRARY STAFF OR PATRONS DURING PHASE 1. GC TO COMPLETE ALL WORKS IN PHASE 1 AREA.



RELOCATED EMPLOYEES TO TEMPORARY SPACE AS DESIGNATED. RELOCATE EMPLOYEES TO TEMPORARY FACILITIES AS DESIGNATED ON FIRST FLOOR. BUILD NEW TEMPORARY STUD WALL INSIDE OF BREEZEWAY. BUILD EXTENTS OF TEMPORARY STACKS LOCATION. COMPLETE ALL WORK IN PHASE 1 AREA.

GENERAL NOTES:

- REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- GENERAL CONTRACTOR SHALL MAINTAIN ADEQUATE NUMBER OF EXITS AT ALL TIMES DURING CONSTRUCTION.

PHASING LEGEND:

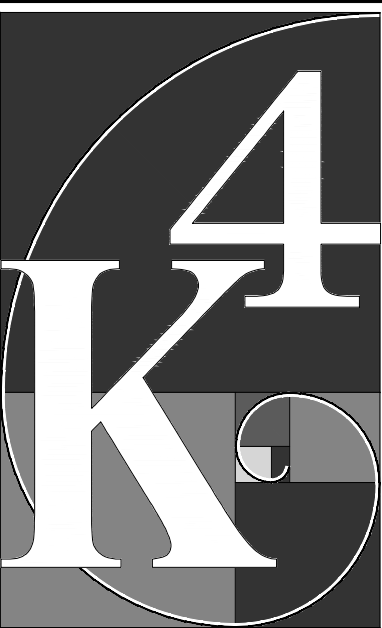
- PHASING / STAGING IS SUBJECT TO CHANGE AT THE DISCRETION OF THE OWNER.
- ONCE TEMPORARY OCCUPANCY IS ACQUIRED AT END OF PHASE 2, CONSTRUCTION ACTIVITY WHICH GENERATES LOUD / DISRUPTIVE NOISES SHALL BE SCHEDULED AFTER HOURS.
- THE OWNER, STAFF, AND LIBRARY PATRONS SHALL HAVE ACCESS TO THE FIRST FLOOR EXISTING RESTROOMS AND EXITS AT ALL TIMES.
- ALL WORK SHALL BE STAGED. LIBRARY SERVICES SHALL REMAIN OPERATIONAL AT ALL TIMES. PERIODS OF NON OPERATION MUST BE COORDINATED WITH AND APPROVED BY OWNER PRIOR TO COMMENCEMENT.
- GENERAL CONTRACTOR SHALL INCLUDE A PUNCH FOR EACH PHASE OF CONSTRUCTION. ONCE PHASE HAS BEEN PUNCHED BY THE OWNER AND ARCHITECT, THE NEXT PHASE CAN START.
- BUILDING IS TO BE SECURE AT ALL TIMES.
- ALL OPENINGS SHALL BE WATER TIGHT AT ALL TIMES AND PROTECTED FROM WEATHER.

PHASE 1
RELOCATE EMPLOYEES IN PHASE 1 AREA. REMOVE PORTION OF EXISTING TELLER LINE. REMAINING PORTION OF TELLER LINE SHALL REMAIN OPERATIONAL. COMPLETE ALL WORK IN PHASE 1 AREA.

PHASE 2
WORK TO BE COMPLETED BETWEEN PHASE 1 & 3 WITH TEMPORARY OCCUPANCY LOADS ON FIRST AND SECOND FLOORS, REFER TO X000 FOR DETAILS.

PHASE 3
NO WORK SHALL START ON PHASE 3 UNTIL PHASE 2 IS COMPLETED. RELOCATE EMPLOYEES IN PHASE 3 AREA. COMPLETE ALL WORK IN PHASE 3 AREA.

NO WORK



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+ DESIGN

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OVERALL
PHASING
PLANS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

PH001

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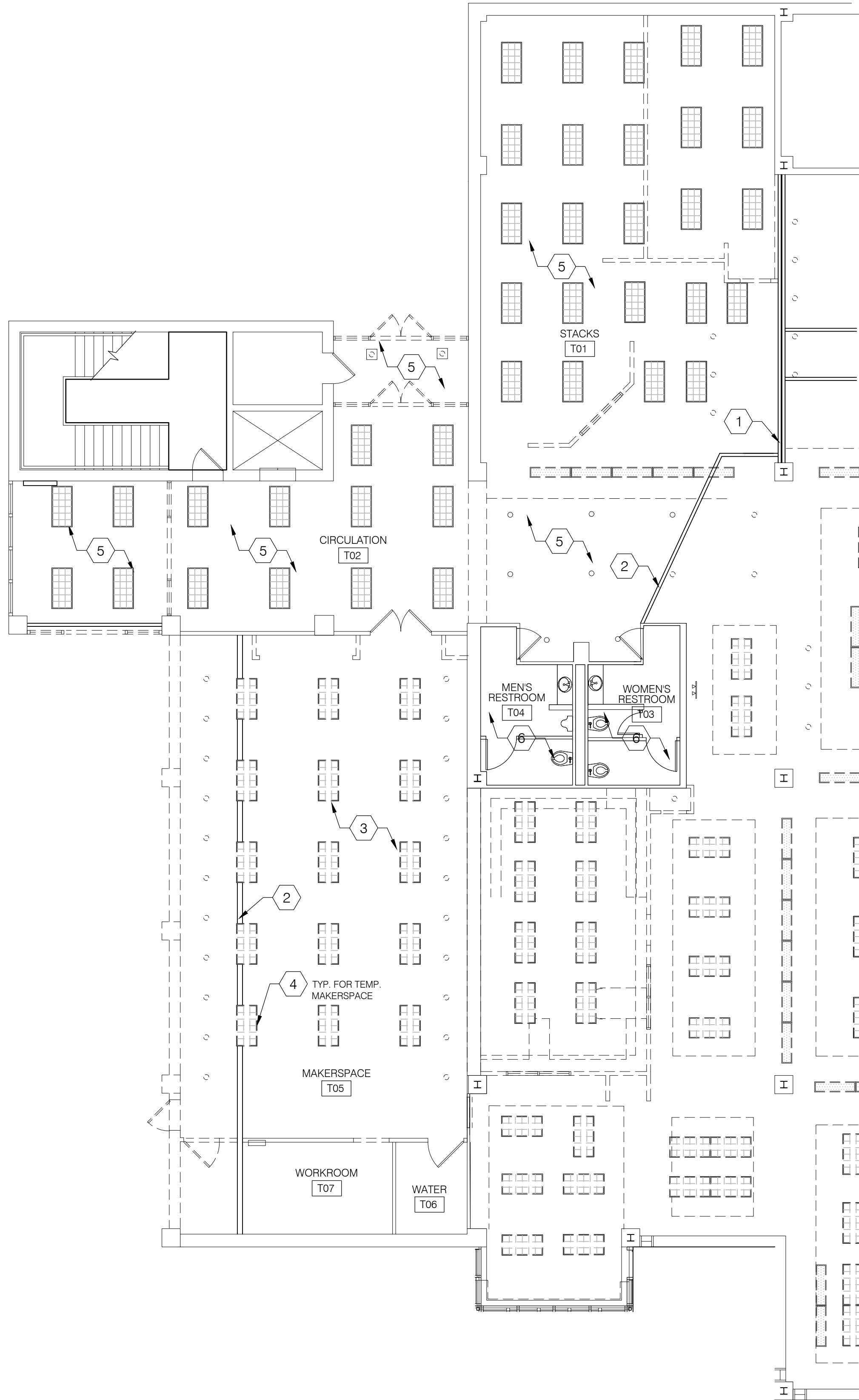
Filename : 21-2113 PH001.dwg Plot Date : Jan. 04, 2023 7:47am

GENERAL NOTES:

- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- B. FIELD LOCATE PORTABLE FIRE EXTINGUISHERS WITH FIRE MARSHAL PER INTERNATIONAL FIRE CODE - CABINETS SHALL BE SIMILAR TO JL INDUSTRIES, PANORAMA SERIES, 1037P42.
- C. GENERAL CONTRACTOR TO MAINTAIN REQUIRED MEANS OF EGRESS AT ALL TIMES DURING CONSTRUCTION.

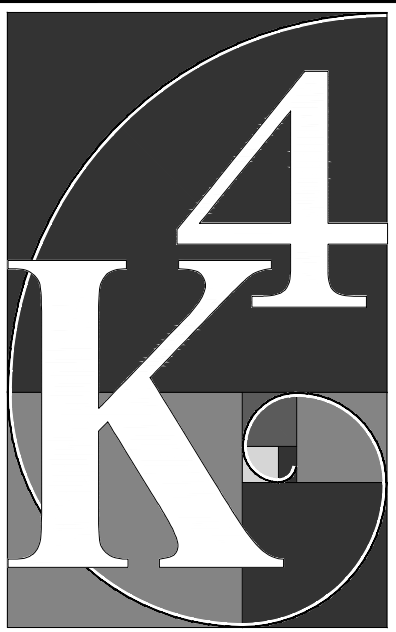
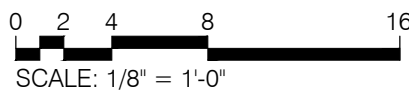
NOTES THIS DRAWING:

1. PERMANENT WALL. RE: DOOR PARTITION SCHEDULE & 1/PH003.
2. TEMPORARY WALL. RE: 1/PH003.
3. CEILING GRID TO REMAIN. CEILING TILES TO BE REMOVED.
4. LIGHTS TO BE RELOCATED WITHIN TEMPORARY MAKERSPACE. RE: 2/PH003.
5. CEILING GRID AND TILES TO REMAIN.
6. NO WORK IN THIS AREA.



1
PH002

FIRST FLOOR
DEMO PHASING PLAN
SCALE: 1/8" = 1'-0"



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DEMO
PHASING PLAN

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

PH002

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GENERAL NOTES:

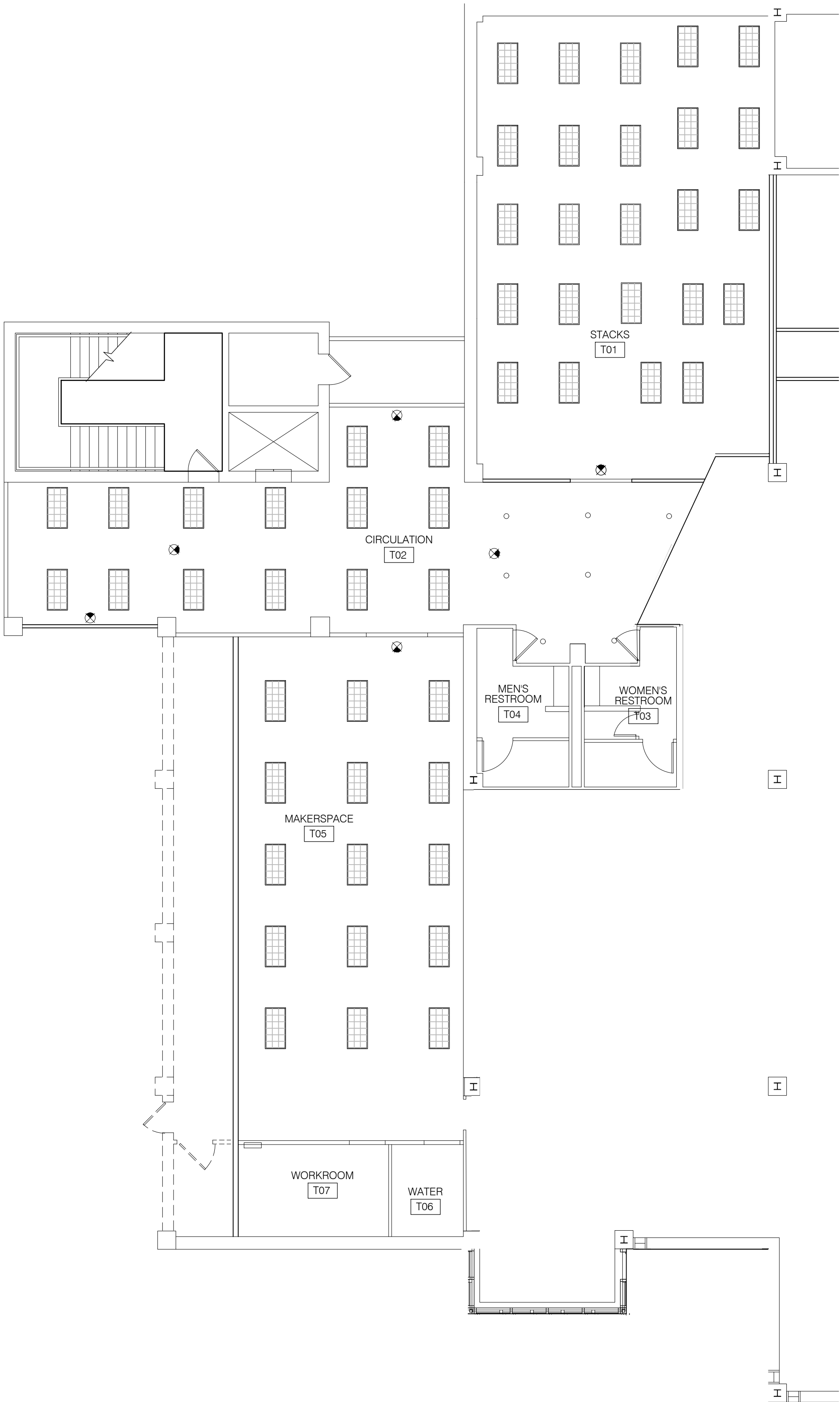
- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
B. FIELD LOCATE PORTABLE FIRE EXTINGUISHERS WITH FIRE MARSHAL PER INTERNATIONAL FIRE CODE - CABINETS SHALL BE SIMILAR TO J.L INDUSTRIES, PANORAMA SERIES, 1037P42.
C. GENERAL CONTRACTOR TO MAINTAIN REQUIRED MEANS OF EGRESS AT ALL TIMES DURING CONSTRUCTION.

CODE INFORMATION

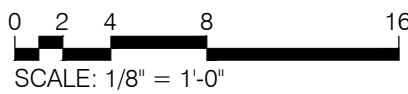
REFER TO LS101 FOR ADDITIONAL APPLICABLE CODE INFORMATION.

LEGEND:

- EXIT ACCESS TRAVEL DISTANCE
----- COMMON PATH OF EGRESS TRAVEL
⊗ EXIT SIGN ON BATTERY BACKUP
⌋ WALL MOUNTED EMERGENCY EGRESS LIGHT (BATTERY PACK WITH 2 HEADS)
● MOST REMOTE POINT
○ POINT OF DECISION

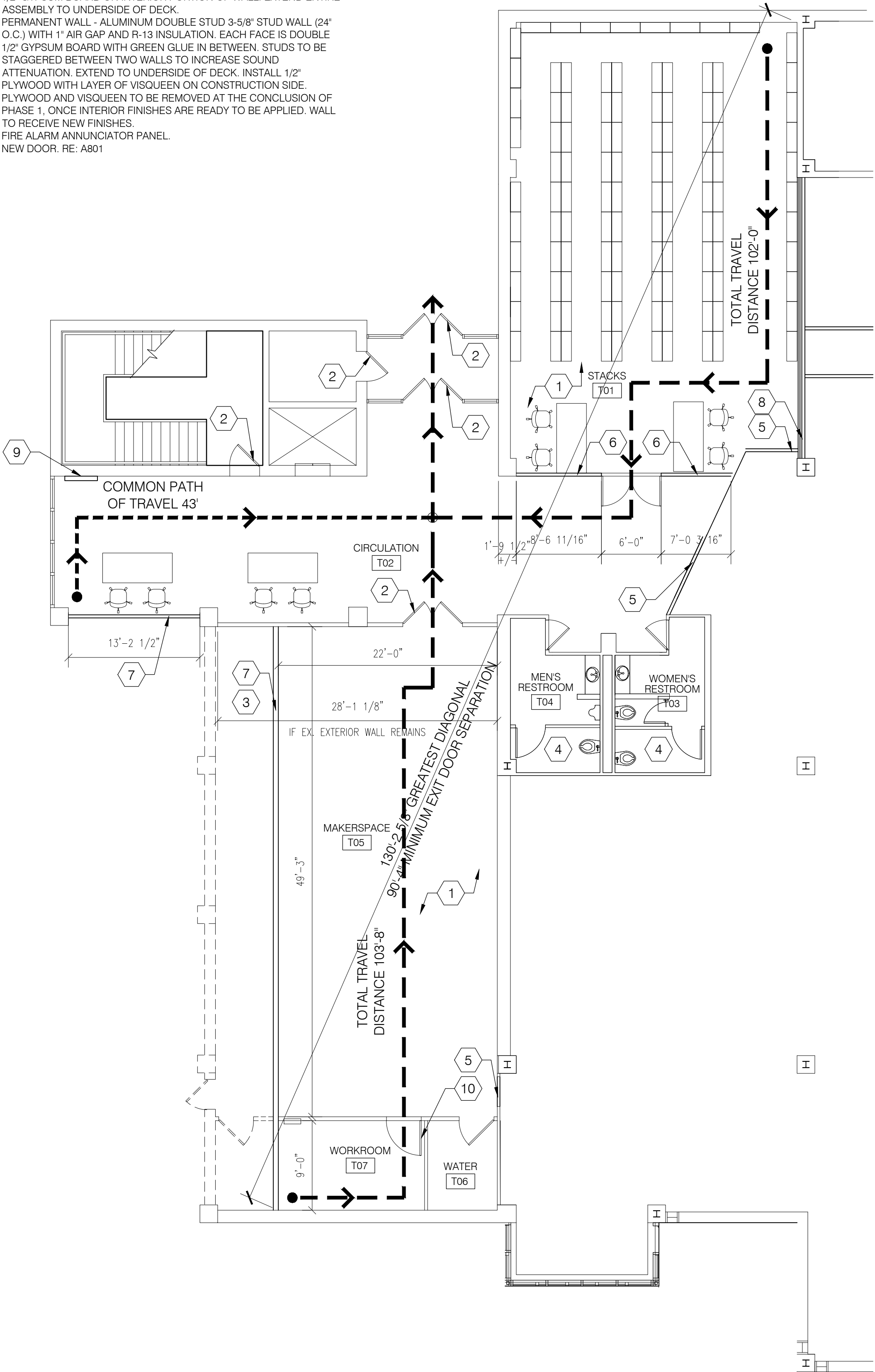


FIRST FLOOR
REFLECTED CEILING PHASING PLAN
SCALE: 1/8" = 1'-0"

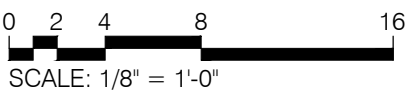


NOTES THIS DRAWING:

- EXISTING CARPET TO REMAIN. PATCH AS NEEDED FOR TEMPORARY STACKS.
- EXISTING DOORS TO REMAIN.
- NEW WALL TO BE BUILT PER FINAL DETAIL. SEE FLOOR PLAN FOR ADDITIONAL INFO.
- EXISTING RESTROOM TO REMAIN. TO BE USED BY LIBRARY STAFF / PATRONS ONLY.
- NEW TEMPORARY WALL TO BE BUILT. 6" METAL STUDS @ 24" O.C. FILL WALL CAVITY WITH R-13 INSULATION. INSTALL 1/2" GYPSUM BOARD ON PATRON SIDE, PLYWOOD ON EXTERIOR. EXTEND ENTIRE STRUCTURE TO UNDERSIDE OF DECK.
- NEW TEMPORARY WALL TO BE BUILT. 6" METAL STUDS @ 24" O.C. INSTALL 1/2" GYPSUM BOARD ON PATRON SIDE, PLYWOOD ON EXTERIOR. EXTEND ENTIRE STRUCTURE TO UNDERSIDE OF DECK.
- TEMPORARY WALL - 6" METAL STUDS @ 16" O.C. WITH R-19 BATT INSULATION. INSTALL PLYWOOD ON EXTERIOR SIDE OF WALL. INSTALL 1/2" GYPSUM BOARD ON INTERIOR PORTION OF WALL. EXTEND ENTIRE ASSEMBLY TO UNDERSIDE OF DECK.
- PERMANENT WALL - ALUMINUM DOUBLE STUD 3-5/8" STUD WALL (24" O.C.) WITH 1" AIR GAP AND R-13 INSULATION. EACH FACE IS DOUBLE 1/2" GYPSUM BOARD WITH GREEN GLUE IN BETWEEN. STUDS TO BE STAGGERED BETWEEN TWO WALLS TO INCREASE SOUND ATTENUATION. EXTEND TO UNDERSIDE OF DECK. INSTALL 1/2" PLYWOOD WITH LAYER OF VISQUEEN ON CONSTRUCTION SIDE. PLYWOOD AND VISQUEEN TO BE REMOVED AT THE CONCLUSION OF PHASE 1, ONCE INTERIOR FINISHES ARE READY TO BE APPLIED. WALL TO RECEIVE NEW FINISHES.
- FIRE ALARM ANNUNCIATOR PANEL.
- NEW DOOR. RE: A801



FIRST FLOOR
LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"



OCCUPANT LOAD PER ROOM:

T01 STACKS	1,287 sf	100sf/OCC	13 OCC
T02 CIRCULATION	1,062 sf	300sf/OCC	4 OCC
T03 RESTROOM	120 sf	100sf/OCC	0 OCC
T04 RESTROOM	118 sf	100sf/OCC	0 OCC
T05 MAKERSPACE	1,084 sf	50sf/OCC	22 OCC
T06 WATER	63 sf	300sf/OCC	0 OCC
T07 WORKROOM	133 sf	100sf/OCC	2 OCC
UNOCCUPABLE SPACE	398 sf		0 OCC
FIRST FLOOR TOTAL	4,265sf		41 OCC

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LIFE SAFETY
PHASING PLANS

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Job No.: 21-2113

PH003

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Filename : 21-2113 LS101.dwg Plot Date : Jan. 04, 2023 6:00am

CODE INFORMATION:

21-2113 - GCPL XENIA BRANCH
COMPLETE RENOVATION/MECHANICAL UPGRADES

PROJECT LOCATION:
76 EAST MARKET STREET
XENIA, OH 45385

JURISDICTION: GREENE COUNTY DEPARTMENT OF BUILDING REGULATION
ZONING CODE: XENIA PLANNING AND ZONING DEPARTMENT
BUILDING CODE: OHIO BUILDING CODE, 2017 ED.

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION
303.4 ASSEMBLY GROUP A-3
OCCUPANCY CLASSIFICATION IS ASSEMBLY GROUP A-3, LIBRARY

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS
TB 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE
(TYPE IIB CONSTRUCTION, GROUP A-3, SPRINKLERED)
ALLOWABLE HEIGHT: 75'-0"
ACTUAL HEIGHT: 28'-4" EXISTING

TB 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE
(TYPE IIB CONSTRUCTION, GROUP A-3, SPRINKLERED)
ALLOWABLE HEIGHT: 3 STORIES
ACTUAL NUMBER OF STORIES: 2 STORIES EXISTING

TB 506.2 ALLOWABLE AREA FACTOR
(TYPE IIB CONSTRUCTION, GROUP A-3, SPRINKLERED (SM) = TWO OR MORE STORIES ABOVE GRADE PLANE)

ALLOWABLE AREA: 28,500 SF
ALLOWABLE AREA DUE TO FRONTAGE INCREASE: 61,180 SF*
FIRST FLOOR AREA: 20,465 SF
SECOND FLOOR AREA: 16,219 SF
TOTAL ACTUAL AREA (EXISTING): 36,684 SF
PROPOSED ADDITION FIRST FLOOR: 1,746 SF
PROPOSED ADDITION SECOND FLOOR: EXISTING, NO CHANGE
TOTAL AREA (INCLUDES PROPOSED ADDITIONS): 38,430 SF

*TB 506.2.3 SINGLE-OCCUPANCY, MULTISTORY BUILDINGS ALLOWABLE AREA (DUE TO FRONTAGE INCREASE)
(EQUATION 5-2)
 $ALLOWABLE\ AREA = A_a = [A_s + (NS \times I_s)] \times S_a = [28,500 + (9,500 \times .22)] \times 2 = 61,180\ SF$
 $AREA\ FACTOR\ INCREASE\ (USED\ IN\ EQUATION\ 5-2) = I_s = [(F/P) - .25] \times (W/30) = [(453/772) - .25] \times (20/30) = .22$

NO INDIVIDUAL STORY SHALL EXCEED ALLOWABLE AREA (A_a) AS DETERMINED BY EQUATION 5-2 USING THE VALUE OF $S_a = 1 - 30,590\ SF$ // FIRST FLOOR AREA = 22,211 SF, SECOND FLOOR AREA = 16,219 SF

CHAPTER 6 - TYPES OF CONSTRUCTION
TB 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
(TYPE IIB)
STRUCTURAL FRAME: 0HR
EXTERIOR BEARING WALLS: 0HR
INTERIOR BEARING WALLS: 0HR
EXTERIOR NONBEARING WALLS AND PARTITIONS: PER TABLE 602
INTERIOR NONBEARING WALLS AND PARTITIONS: 0HR
FLOOR CONSTRUCTION: 0HR
ROOF CONSTRUCTION: 0HR

TB 602 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS
(IIB CONSTRUCTION, B OCCUPANCY GROUP)
LESS THAN 10FT: 1HR
10FT OR MORE: 0HR

CHAPTER 7 - FIRE-RESISTANCE-RATED CONSTRUCTION
THERE ARE NO CHANGES PROPOSED TO FIRE RATED ASSEMBLIES.
705 EXTERIOR WALLS
705.5 FIRE RESISTANCE RATINGS
PER TB 602

CHAPTER 9 - FIRE PROTECTION SYSTEMS
903.2.1.3 GROUP A-3 - BUILDING IS FULLY SPRINKLERED EXCEPT THE AREAS OF THE GREENE COUNTY ROOM - ARCHIVED AREA, RM #S 216, 217, 219, 220. THESE AREAS IN THEIR FORMER LOCATIONS WERE EXEMPTED FROM BEING FULLY SPRINKLERED VIA DECISION OF THE STATE OF OHIO BOARD OF BUILDING APPEALS CASE #80-229. PER THE PROVISIONS OF THE DECISION THE AFOREMENTIONED ROOMS SHALL BE PROTECTED BY A SUPERIOR SMOKE DETECTION/FIRE PROTECTION SYSTEM.

CHAPTER 10 - MEANS OF EGRESS
TB1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT
(SEE OCCUPANT LOAD BREAKDOWN PER ROOM ON SHEET LS101 AND LS102)

FIRST FLOOR TOTAL: 408 OCCUPANTS
SECOND FLOOR TOTAL: 110 OCCUPANTS
GRAND TOTAL: 518 OCCUPANTS

TB1008.3.1 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY
OCCUPANT LOAD PER STORY (1-500): (2) EXITS REQUIRED, (2) PROVIDED

CHAPTER 11 - ACCESSIBILITY
1101.2 DESIGN
BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH THE CODE AND ICC A117.1 AS AMENDED IN SECTION 1112 OF THE CHAPTER.

CHAPTER 29 - PLUMBING SYSTEMS
TB 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FACILITIES
(A-3 USE GROUP, 573 OCCUPANTS)
WATER CLOSET:
REQUIRED (MALE): 1 PER 125 = 2
REQUIRED (FEMALE): 1 PER 65 = 5
PROVIDED: (4) MALE, (4) FEMALE, (5) UNISEX
LAVATORY:
REQUIRED: 1 PER 200 = (2) MALE, (2) FEMALE
PROVIDED: (2) MALE, (2) FEMALE, (5) UNISEX
DRINKING FOUNTAIN:
REQUIRED: 1 PER 500 = 2
PROVIDED: (2), EXISTING
SERVICE SINK:
REQUIRED: (1)
PROVIDED: (1), EXISTING

GENERAL NOTES:

- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
B. FIELD LOCATE PORTABLE FIRE EXTINGUISHERS WITH FIRE MARSHAL PER INTERNATIONAL FIRE CODE - CABINETS SHALL BE SIMILAR TO J.L INDUSTRIES, PANORAMA SERIES, 1037P42.

LEGEND:

- EXIT ACCESS TRAVEL DISTANCE
----- COMMON PATH OF EGRESS TRAVEL
EXIT SIGN ON BATTERY BACKUP
WALL MOUNTED EMERGENCY EGRESS LIGHT (BATTERY PACK WITH 2 HEADS)
● MOST REMOTE POINT
○ POINT OF DECISION

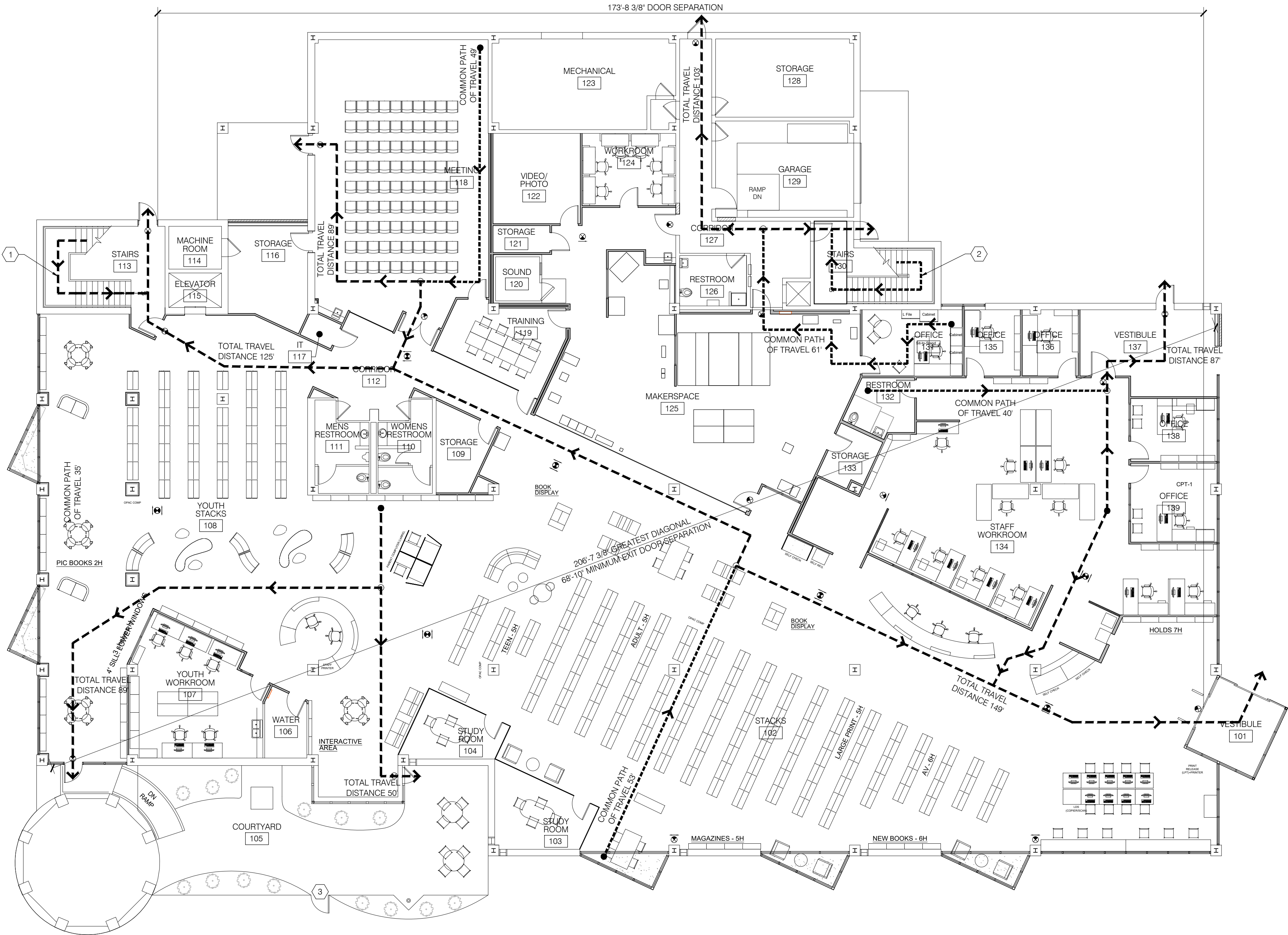
OCCUPANT LOAD PER ROOM:

101 VESTIBULE	150 sf	100sf/OCC	0 OCC
102 STACKS	6,232 sf	100sf/OCC	63 OCC
103 STUDY ROOM	178 sf	50sf/OCC	4 OCC
104 STUDY ROOM	138 sf	50sf/OCC	3 OCC
105 COURTYARD	1574 sf**	TO BE ASSIGNED BY BUILDING OFFICIAL PER SECTION 1004.5	
106 WATER	75 sf	300sf/OCC	0 OCC
107 YOUTH WORKROOM	436 sf	100sf/OCC	5 OCC
108 YOUTH STACKS	3,828 sf	100sf/OCC	39 OCC
109 STORAGE	108 sf	300sf/OCC	0 OCC
110 WOMENS RESTROOM	120 sf	100sf/OCC	0 OCC
111 MENS RESTROOM	118 sf	100sf/OCC	0 OCC
112 CORRIDOR	360 sf	300sf/OCC	0 OCC
113 STAIRS	295 sf	100sf/OCC	0 OCC
114 MACHINE ROOM	63 sf	300sf/OCC	0 OCC
115 ELEVATOR	51 sf	100sf/OCC	0 OCC
116 STORAGE	207 sf	300sf/OCC	0 OCC
117 IT	24 sf	300sf/OCC	0 OCC
118 MEETING	1,314 sf	75f/OCC	188 OCC
119 TRAINING	234 sf	75f/OCC	34 OCC
120 SOUND	54 sf	50sf/OCC	2 OCC
121 STORAGE	43 sf	300sf/OCC	0 OCC
122 VIDEO / PHOTO	218 sf	50sf/OCC	5 OCC
123 MECHANICAL	430 sf	300sf/OCC	0 OCC
124 WORKROOM	187 sf	100sf/OCC	2 OCC
125 MAKERSPACE	1,587 sf	50sf/OCC	32 OCC
126 RESTROOM	90 sf	100sf/OCC	0 OCC
127 CORRIDOR	345 sf	300sf/OCC	0 OCC
128 STORAGE	298 sf	300sf/OCC	0 OCC
129 GARAGE	366 sf	300sf/OCC	2 OCC
130 STAIRS	216 sf	100sf/OCC	0 OCC
131 OFFICE	183 sf	100sf/OCC	2 OCC
132 RESTROOM	95 sf	100sf/OCC	0 OCC
133 STORAGE	69 sf	300sf/OCC	0 OCC
134 STAFF WORKROOM	1,866 sf	100sf/OCC	19 OCC
135 OFFICE	105 sf	100sf/OCC	2 OCC
136 OFFICE	99 sf	100sf/OCC	19 OCC
137 VESTIBULE	298 sf	100sf/OCC	0 OCC
138 OFFICE	146 sf	100sf/OCC	2 OCC
139 OFFICE	183 sf	100sf/OCC	2 OCC
UNOCCUPABLE SPACE	971 sf		0 OCC
FIRST FLOOR TOTAL	23,354 sf**		408 OCC

**DOES NOT INCLUDE COURTYARD SQUARE FOOTAGE

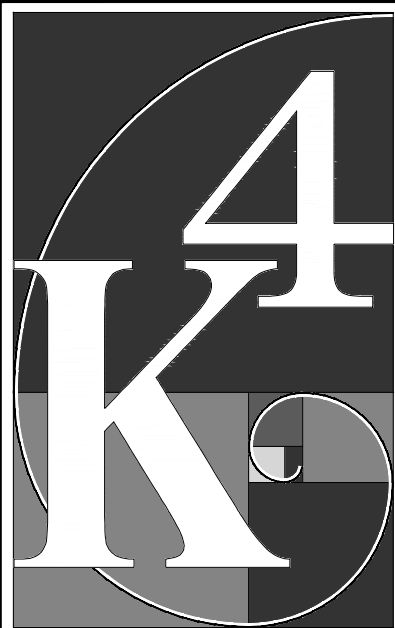
NOTES THIS DRAWING:

1. SECOND FLOOR OCCUPANCY LOAD AT STAIR 113.
TOTAL LOAD AT THIS EXIT = 64 OCC.
2. SECOND FLOOR OCCUPANCY LOAD AT STAIR 130.
TOTAL LOAD AT THIS EXIT = 64 OCC.
3. METAL GATE W/ PANIC BAR. RE. FLOOR PLAN FOR ADDITIONAL DETAIL.



1ST FLOOR
LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

0 2 4 8 16
SCALE: 1/8" = 1'-0"



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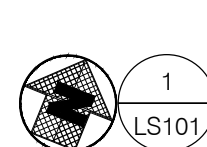
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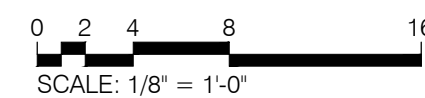
FIRST FLOOR
LIFE SAFETY PLAN AND
CODE INFORMATION

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

LS101



2ND FLOOR
LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"



113 STAIRS	274 sf	100sf/OCC	0 OCC
115 ELEVATOR	51 sf	100sf/OCC	0 OCC
130 STAIRS	216 sf	100sf/OCC	0 OCC
201 CORRIDOR	582 sf	300sf/OCC	0 OCC
202 STORAGE	203 sf	300sf/OCC	0 OCC
203 OFFICE	151 sf	100sf/OCC	2 OCC
204 WORKROOM	710 sf	100sf/OCC	8 OCC
205 SERVER	302 sf	300sf/OCC	0 OCC
206 OFFICE	271 sf	100sf/OCC	3 OCC
207 GREENE COUNTY ROOM	1,943 sf	100sf/OCC	20 OCC
208 WORKROOM	263 sf	100sf/OCC	3 OCC
209 OFFICE	142 sf	100sf/OCC	2 OCC
210 BREAKROOM	310 sf	100sf/OCC	4 OCC
211 PANTRY	22 sf	100sf/OCC	0 OCC
212 RESTROOM	52 sf	100sf/OCC	0 OCC
213 RESTROOM	52 sf	100sf/OCC	0 OCC
214 RISER	16 sf	100sf/OCC	0 OCC
215 MECHANICAL	300sf/OCC	300sf/OCC	3 OCC
216 CORRIDOR	416 sf	300sf/OCC	0 OCC
217 CORRIDOR	589 sf	300sf/OCC	0 OCC
218 OFFICE	244 sf	100sf/OCC	3 OCC
219 OFFICE	272 sf	100sf/OCC	3 OCC
220 OFFICE	242 sf	100sf/OCC	3 OCC
221 OFFICE	214 sf	100sf/OCC	3 OCC
222 OFFICE	306 sf	100sf/OCC	4 OCC
223 OFFICE	231 sf	100sf/OCC	3 OCC
224 STORAGE	133 sf	300sf/OCC	0 OCC
225 STORAGE	506 sf	300sf/OCC	0 OCC
226 OFFICE	187 sf	100sf/OCC	2 OCC
227 OFFICE	158 sf	100sf/OCC	2 OCC
228 CORRIDOR	1,098 sf	300sf/OCC	0 OCC
229 OPEN OFFICE	594 sf	100sf/OCC	6 OCC
230 OFFICE	126 sf	100sf/OCC	2 OCC
231 OFFICE	175 sf	100sf/OCC	2 OCC
232 OFFICE	175 sf	100sf/OCC	2 OCC
233 OFFICE	175 sf	100sf/OCC	2 OCC
234 WORKROOM	335 sf	100sf/OCC	4 OCC
235 WAITING AREA	1,146 sf	100sf/OCC	12 OCC
236 RESTROOM	53 sf	100sf/OCC	0 OCC
237 CONFERENCE ROOM	328 sf	100sf/OCC	4 OCC
238 STORAGE	187 sf	300sf/OCC	0 OCC
239 BOARD ROOM	75 sf	150sf/OCC	1 OCC
240 MENS RESTROOM	70 sf	100sf/OCC	0 OCC
241 WOMENS RESTROOM	150 sf	100sf/OCC	0 OCC
242 JANITOR	47 sf	100sf/OCC	1 OCC
243 STORAGE	208 sf	300sf/OCC	1 OCC
UNOCCUPIABLE SPACE	696 sf		0 OCC
TOTAL	15,465 sf		110 OCC



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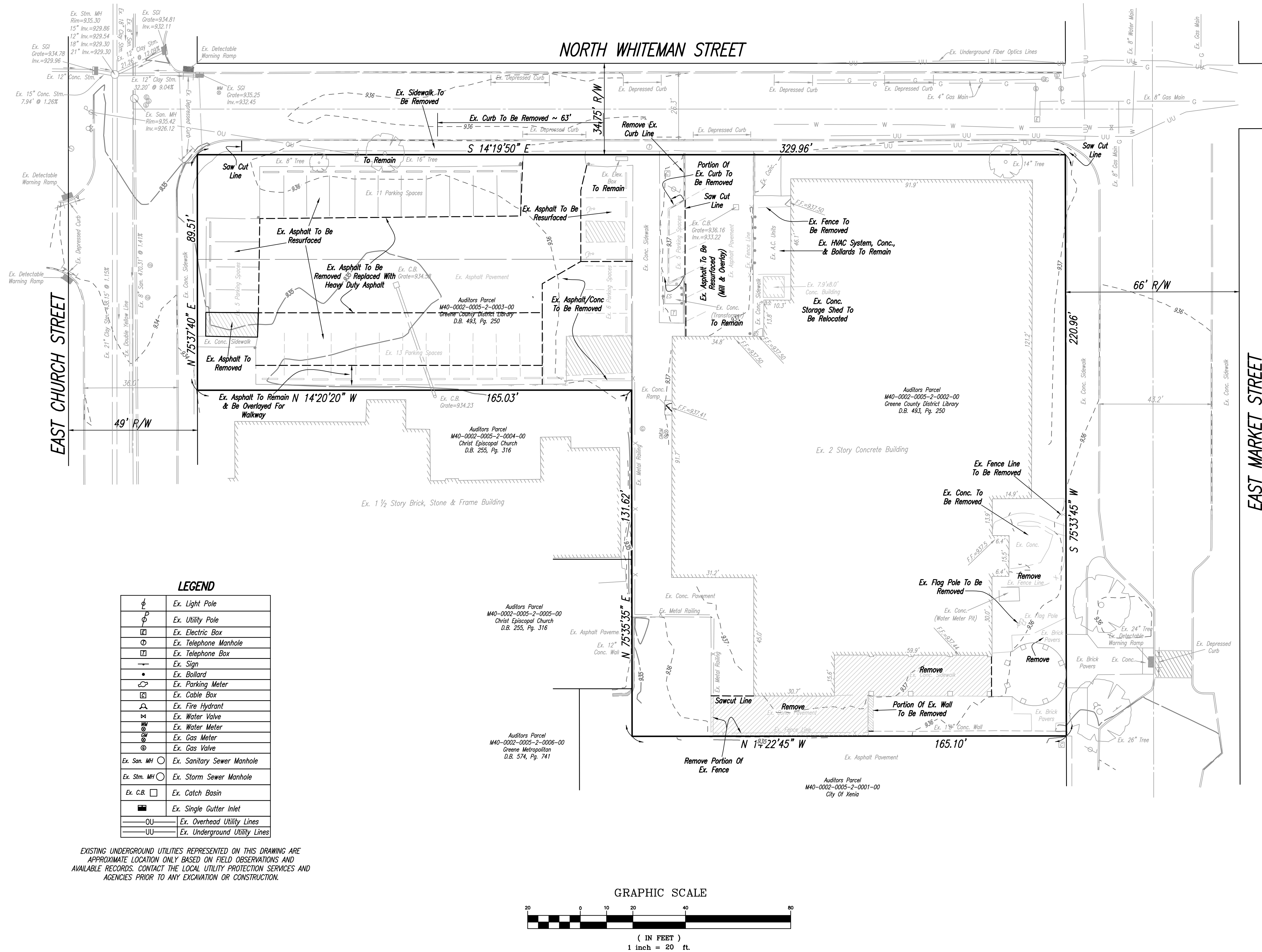
SECOND FLOOR LIFE SAFETY PLAN

Drawn By:	BBJ, TW
Scale:	AS NOTED
Job No.:	21-2113

LS102

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2	ISSUE	1/4/23

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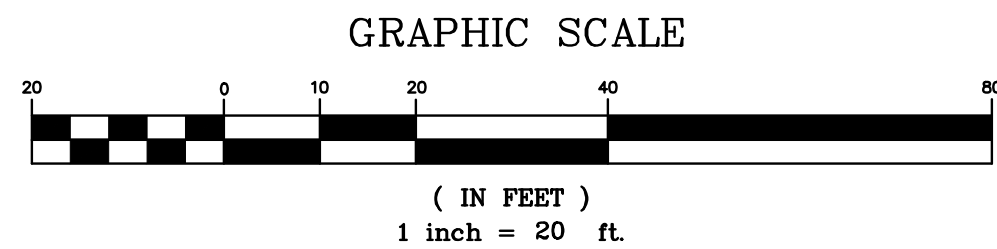
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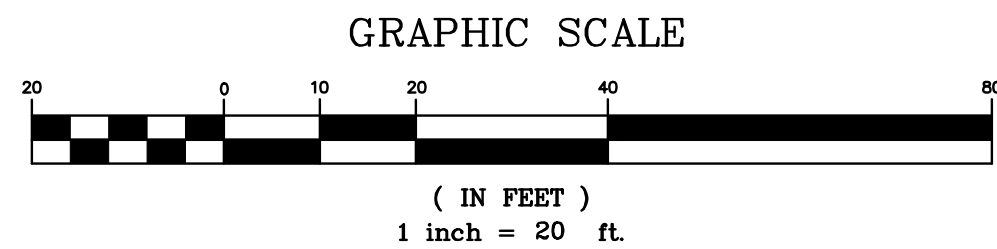
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GENERAL STRUCTURAL NOTES

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 III, TABLE 1604.5

DESIGN LOADS

1. ROOF LOAD:

- A. MINIMUM LIVE LOAD OR SNOW LOAD: 22 PSF*
- B. ROOF MEMBRANE: 1 PSF
- C. INSULATION: 3 PSF
- D. METAL DECK: 2 PSF
- E. JOIST FRAMING LOAD: 3 PSF
- F. CEILING (5/8" DRYWALL): 3 PSF
- G. SPRINKLERS: 3 PSF
- H. DUCTS, LIGHTS, MISC. MECHANICAL: 2 PSF

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

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, $I_s = 1.1$
- 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. SLAB AND DECK: 34 PSF
- C. JOIST FRAMING LOAD: 3 PSF
- D. CEILING (5/8" DRYWALL): 3 PSF
- E. SPRINKLERS: 3 PSF
- F. DUCTS, LIGHTS, MISC. MECHANICAL: 2 PSF

*** LIVE LOAD REDUCTION USED WHERE APPLICABLE

4. WIND LOAD:

- A. MAIN WIND FORCE RESISTING SYSTEM: 120 MPH PER ASCE 7-10 (3-SECOND GUST - LOAD AND RESISTANCE FACTOR DESIGN).
- B. WIND EXPOSURE: B
- C. BASIC WIND VELOCITY PRESSURE, $q_s = 22.9$ PSF
- D. INTERNAL ZONE PRESSURE COEFFICIENT, $G_{cp} = 0.18$ (ENCLOSED BUILDING).

5. SEISMIC LOAD:

- A. COUNTY: GREENE
- B. BUILDING SITE CLASSIFICATION: D (ASSUMED)
- C. SPECTRAL RESPONSE ACCELERATION, $S_s = 0.146g$
 - a. $S_{DS} = 0.155g$
- D. SPECTRAL RESPONSE ACCELERATION, $S_1 = 0.07g$
 - a. $S_{D1} = 0.112g$
- E. SEISMIC DESIGN CATEGORY, $SDC = B$
- F. SEISMIC IMPORTANCE FACTOR, $I_s = 1.15$
- G. SEISMIC FORCE RESISTING SYSTEM: EXISTING ORDINARY REINFORCED MASONRY SHEAR WALLS.
- H. RESPONSE MODIFICATION FACTOR, $R = 2$ (TABLE 12.2-1 ASCE 7)
- I. ANALYSIS PROCEDURE: ELFP
- J. SEISMIC RESPONSE COEFFICIENT, $C_s = 0.097$ (EQUATION 12.8-2)
- K. DESIGN BASE SHEAR, $V = C_s \cdot W$ (MAXIMUM)

6. CONCENTRATED LOADS:

- A. 2000 POUNDS OVER 2.5 SQUARE FEET.

7. SPECIAL INSPECTION REQUIREMENTS PER SECTION 1704. SEE CONSTRUCTION SPECIFICATIONS AND OR SPECIAL INSPECTION BOOKLET ADDENDUM REQUIREMENTS.

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.

SPECIAL INSPECTIONS

PER THE REQUIREMENTS OF CHAPTER 17, SECTION 1704.1, OF THE REFERENCED BUILDING CODE, SPECIAL INSPECTIONS ARE NOT NECESSARY FOR THE PROPOSED BUILDING CONSTRUCTION. THIS BUILDING HAS BEEN ASSIGNED TO A CATEGORY I TYPE FACILITY (TABLE 1604.5) AND IS EXEMPTED FROM SPECIAL INSPECTIONS DUE TO THE WORK BEING OF "MINOR" NATURE.

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 PREVIOUS SUBMITTED 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
Concrete Reinforcing	For Review	N/a	N/a
Structural Steel	For Review	N/a	N/a
Prefabricated Canopies	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 INFERRABLE FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR ALL REASONABLE COSTS CHARGED RELATED TO ADDITIONAL SERVICES INCURRED DUE TO ANSWERING THE RFI.

CONSTRUCTION AND SAFETY

- 1. THE CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
- 2. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR.
- 3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.
- 4. THE CONTRACTOR SHALL ONLY USE STRUCTURAL PLANS ISSUED AS "FOR CONSTRUCTION" OR ISSUES THEREAFTER. PRIOR ISSUES SHALL ONLY BE USED FOR PERMITTING OR BIDDING PURPOSES.
- 5. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. SHOULD ANY DISCREPANCY BE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF THE CONDITION.
- 6. THE CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED DURING DEMOLITION AND CONSTRUCTION TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.

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. FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS DESCRIBED IN THE ORIGINAL CONSTRUCTION DOCUMENTS BY RICHARD G. SHELL AND ASSOCIATES, DATED AUGUST 2, 1976. THE ORIGINAL CONSTRUCTION DOCUMENTS ARE AVAILABLE UPON REQUEST.
- 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. FOOTINGS AND GRADE BEAMS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL.

- 4. 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 8000 PSF BELOW STRIP FOOTINGS AND 8000 PSF BELOW ISOLATED COLUMN FOOTINGS ON BROWN WELL GRADED GRAVEL AND SAND.

5. CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.

6. 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.
- C. BACKFILL AGAINST FOUNDATION WALLS ALONG INTERIOR FACE OF FOUNDATION WALLS SHALL BE CLAYEY MATERIAL COMPACTED IN 6" LIFTS TO 95% STANDARD PROCTOR DENSITY OR CONCRETE WITH A COMPRESSIVE STRENGTH OF $f_c = 500$ PSI.
- D. BACKFILL ALONG EXTERIOR FACE OF SHALLOW WALL FOUNDATIONS TO BE COMPACTED CLAYEY MATERIAL; COMPACT TO 95% STANDARD PROCTOR.
- E. FILL BELOW FLOOR SLABS TOP 12" OF SUBBASE BELOW INTERIOR FLOOR SLAB TO BE PROOF ROLLED TO 98% STANDARD PROCTOR DENSITY PRIOR TO PLACEMENT OF SLAB.

7. ALL AREAS WITHIN THE FOOTPRINT OF THE BUILDING, INCLUDING UTILITY TRENCHES, MUST BE FREE OF ANY WET AND/OR SOFT AREAS PRIOR TO THE PLACEMENT OF FILL MATERIAL OR SLAB.

8. SEAL UTILITY TRENCH AT THE EXTERIOR FOUNDATION WALL BY USING A COMPACTED CLAYEY BACKFILL OR LEAN CONCRETE TO CREATE A DAM TO PREVENT ENTRY OF WATER.

9. 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_c @ 28 days (psi)	Air Content ¹	Max w/c ratio ²	Max Agg. Size ³ (in)	F Class	S Class	W Class	C Class
Footings	3000	N/a	0.55	3/4	F0	S0	W0	C0
Foundation and Retaining Walls	4500	6% ± 1.5%	0.45	3/4	F2	S0	W1	C1
Interior Floor Slab on Grade ⁴	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
Exterior Flatwork ⁵ (with steel reinf.)	5000	6% ± 1.5%	0.4	3/4	F3	S0	W1	C2

- [1] - Where 3/8" maximum aggregate is preferred, adjust air entrainment to 7.5% ± 1.5% (if required).
- [2] - Where air entrainment is not required by design, the contractor/supplier may choose to include air entrainment to improve placement or finish characteristics. Air entrainment is not permitted in normal weight concrete to receive a hard trowel finish and entrapped air shall not exceed 3%.
- [3] - $f_c = 1800$ psi @ 3 days.
- [4] - Corlec MCI required.

8. SLUMP SHALL BE MEASURED PRIOR TO THE ADDITION OF HRWR.

9. ALL REINFORCING BARS, EMBEDS, AND ANCHOR RODS SHALL BE PLACED WITHIN THE REQUIRED TOLERANCES AND SUPPORTED TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. WORKING REINFORCING BARS, EMBEDS, AND ANCHOR RODS INTO WET CONCRETE (KNOWN AS "WET STICKING") IS PROHIBITED. IF NECESSARY, CONTRACTOR MAY PROVIDE ADDITIONAL REINFORCING BARS TO SECURELY TIE REINFORCING BARS, EMBEDS, AND ANCHOR RODS.

10. LAP SPLICE REINFORCING BARS 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.

11. BAR CLEARANCES BETWEEN ADJACENT BARS AND FORMWORK SHALL BE AS NOTED ON THE DRAWINGS OR A MINIMUM AS PER ACI REQUIREMENTS.

12. AT CORNERS AND INTERSECTIONS OF FOOTINGS, WALLS, AND GRADE BEAMS, PROVIDE BENT BARS OF EQUAL SIZE AND AT SAME SPACING AS TYPICAL REINFORCING AROUND CORNER AND/OR INTO ABUTTING WALL OR GRADE BEAM. BARS SHALL HAVE EMBEDMENT OF 30 BAR DIAMETERS (18" MINIMUM).

13. MACHINE TROWEL FINISH FLOOR SLAB AND CURE USING A METHOD RECOMMENDED BY ACI 302.1R (GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION) INCLUDING WATER CURING, WET COVERING, APPLICATION OF IMPERVIOUS SHEETING OR APPLICATION OF "CURE AND SEAL" TYPE CURING COMPOUND MEETING ASTM C-1315. FOR

APPLICATIONS EXPOSED TO SUNLIGHT USE CLASS A (NON-YELLOWING) OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR APPROVED FLOOR, COORDINATE CURING METHOD WITH ARCHITECTURAL FLOOR FINISHES THAT REQUIRE ADHESION TO THE SLAB (SUCH AS TILE) TO INSURE PROPER BOND.

14. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR VAPOR BARRIER REQUIREMENTS. VAPOR BARRIER, WHERE REQUIRED, SHALL BE PLACED OVER COMPACTED GRANULAR SUBBASE.

15. AT SLAB AND WALL OPENING CORNERS AND REENTRANT CORNERS, PROVIDE (1) #5 BAR IN EACH FACE PARALLEL TO EACH EDGE EXTENDING A MINIMUM OF 2'-0" PAST EDGE OF OPENING. THIS STEEL MAY BE OMITTED IF TYPICAL REINFORCING STEEL EXCEEDS THIS MINIMUM REQUIREMENT.

16. REINFORCE ALL INTERIOR SLABS ON GROUND WITH 6x6-W2 9xW2.9 (42#) MESH. LOCATE MESH 2" CLEAR BELOW TOP OF SLAB.

17. LAP WELDED WIRE FABRIC MINIMUM 1 FULL SPACE PLUS 2".

18. FINISH OF CONCRETE HANDICAP RAMPS TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). COORDINATE LOCATION AND PATTERN WITH ARCHITECTURAL DRAWINGS.

19. CONTROL JOINTS IN SLABS ON GROUND SHALL BE LOCATED AT 15'-0" MAXIMUM SPACING AND SHALL CREATE SECTIONS OF SLAB WITH A MAXIMUM ASPECT RATIO OF 1½ TO 1. CONTROL JOINTS SHALL BE SAWN AND SHALL BE A MINIMUM OF 1/4 OF THE SLAB THICKNESS DEEP. THE CONTROL JOINT SHALL BE SAWN AS SOON AS THE SAW BLADE CAN CUT THE CONCRETE WITHOUT DISPLACING THE AGGREGATE. CUT EVERY OTHER MESH WIRE AT THE CONTROL JOINT LOCATION PRIOR TO PLACING CONCRETE. IF AN EARLY-CUTTING SAW IS BE USED AND A SHALLOWER DEPTH OF THE CUT IS DESIRED, CONTACT THE ENGINEER IN ADVANCE FOR APPROVAL.

20. CONSTRUCTION JOINTS IN SLABS ON GROUND MAY BE LOCATED AT ANY CONTROL JOINT LOCATION. CONSTRUCTION JOINTS SHALL HAVE A KEY FORMED AT MID-DEPTH OF THE FIRST CAST SECTION. THE KEY SHALL BE 1½" DEEP AND SHALL BE 1/3 OF THE SLAB THICKNESS HIGH. THE TOP AND BOTTOM OF THE KEY SHALL HAVE 1 VERTICAL TO 3 HORIZONTAL SLOPE.

21. PROVIDE 3/4" CHAMFER AT CORNERS OF EXPOSED CONCRETE.

22. WHERE BRITTLE FLOOR FINISHES ARE TO BE APPLIED TO FLOOR SLABS, COORDINATE CONTROL JOINT LOCATIONS WITH FLOOR FINISH JOINT LOCATIONS AND ARCHITECT.

EPOXY ADHESIVE ANCHORS

- 1. EPOXY ADHESIVE ANCHORS:

- A. EPOXY ADHESIVE SHALL BE HIT-HY 200 EPOXY ADHESIVE MANUFACTURED BY THE HILTI COMPANY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED; SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.
- B. THREADED RODS SHALL BE ASTM A36. SIZES AND EMBEDMENT AS INDICATED ON THE DRAWINGS.
- C. 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

1. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602)" EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.

2. COMPRESSIVE STRENGTH SHALL BE DETERMINED FOR EACH TYPE OF MASONRY BY THE UNIT STRENGTH METHOD.

A. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY USED FOR DESIGN: $f_m = 2000$ PSI AT 28 DAYS

3. SUBMITTALS SHALL BE MADE FOR THE FOLLOWING:

- A. COLD WEATHER CONSTRUCTION PROCEDURE.
- B. HOT WEATHER CONSTRUCTION PROCEDURE.
- C. MANUFACTURERS LITERATURE FOR: HORIZONTAL JOINT REINFORCING, REINFORCING STEEL POSITIONERS, MOVEMENT JOINT MATERIALS, TIES AND ANCHORS.
- D. SHOP DRAWINGS SHOWING: DETAILS OF STEEL REINFORCING, AND LINTELS.
- E. MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR SPECIFIED MASONRY UNIT, AND REINFORCING STEEL.
- F. PROPORTIONS OF MATERIAL IN ACCORDANCE WITH REFERENCED SPECIFICATIONS OF MORTAR AND GROUT.

4. MATERIALS:

- A. CONCRETE MASONRY UNITS: ASTM C90 TYPE I ABOVE GRADE: LIGHTWEIGHT AGGREGATE PER ASTM C331 OR NORMAL WEIGHT.
 - a. MINIMUM UNIT COMPRESSIVE STRENGTH, $f_m = 2000$ PSI.
- B. FACING BRICK: ASTM C216 GRADE SW. COLOR AND SIZE AS NOTED ON THE ARCHITECTURAL DRAWINGS.
- C. MORTAR: ASTM C270 TYPE S. $f_m = 1800$ PSI AT 28 DAYS.
 - a. PORTLAND CEMENT-LIME MORTAR:
 - i. PORTLAND CEMENT: TYPE I AND HYDRATED LIME
 - b. MASONRY CEMENT MORTAR: AT CONTRACTOR'S OPTION.
 - D. GROUT: ASTM C476. $f_c = 2000$ PSI, SLUMP 8" TO 10".
 - E. REINFORCING STEEL: ASTM A615, 60 KSI YIELD.
 - F. HORIZONTAL JOINT REINFORCING FOR SINGLE WYTHE CONCRETE MASONRY: 9 GAUGE LADDER TYPE. HOT DIPPED GALVANIZED PER ASTM A153 CLASS B. PLACE HORIZONTAL JOINT REINFORCING AT 16" CENTERS VERTICALLY FOR CONCRETE MASONRY. LAP HORIZONTAL JOINT REINFORCING 6" MINIMUM. HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS ACROSS MOVEMENT JOINTS.

5. MORTAR PROPORTIONS MUST BE ACCURATELY MEASURED PRIOR TO MIXING. ADD CEMENT TO MIX IN FULL BAG QUANTITIES. MEASURE SAND IN BOX WITH VOLUME OF ONE CUBIC FOOT AS OFTEN AS NECESSARY TO MAINTAIN CONSISTENT PROPORTIONS AND AT LEAST ONCE DAILY AND EVERY 4 HOURS OF MIXING.

6. MINIMUM VERTICAL REINFORCEMENT REQUIREMENTS FOR ALL MASONRY WALLS.

- A. AS A MINIMUM, ALL MASONRY SHALL BE REINFORCED PER SECTION ACI 530 1.14.2.2.2.1.
- B. #5 VERTICAL BARS SHALL BE PLACED AT ALL CORNERS, WITHIN 16 INCHES OF EACH WALL OPENINGS, WITHIN 8 INCHES OF EACH WALL MOVEMENT JOINT AND WITHIN 8 INCHES OF THE END OF THE WALL.
- C. HORIZONTAL JOINT REINFORCEMENT SHALL BE SPACED AT 16" MAX. WALL OPENINGS SHALL BE REINFORCED TOP AND BOTTOM OF OPENINGS AND SHALL EXTEND NOT LESS THAN 24 INCHES BEYOND PAST THE ROUGH OPENING.
- D. SPACING OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 4'-0".

7. PROVIDE PREFABRICATED "L" AND "T" SHAPED HORIZONTAL JOINT REINFORCING AT WALL INTERSECTIONS. ALTERNATE MESH TIES REINFORCEMENT TO BE SUBMITTED FOR REVIEW CONSIDERATION PRIOR TO CONSTRUCTION.

8. KEEP AIR SPACE BEHIND VENEER FREE OF MORTAR DROPPINGS.

9. RUNNING BOND PATTERN SHALL BE USED FOR ALL MASONRY WORK UNLESS OTHERWISE NOTED.

10. PROVIDE MOVEMENT (CONTROL AND EXPANSION) JOINTS IN WALLS AS INDICATED ON ARCHITECTURAL DRAWINGS UNLESS NOTED OTHERWISE. BOND BEAMS SHALL BE DISCONTINUOUS ACROSS MOVEMENT JOINTS UNLESS NOTED OTHERWISE.

- A. MOVEMENT JOINTS IN CONCRETE BLOCK: SASH BLOCK UNIT WITH PREFORMED SHEAR KEY. CAULK BOTH FACES. ALTERNATE DETAILS FOR CONTROL JOINTS MAY BE ACCEPTABLE; SUBMIT DETAILS FOR APPROVAL.
- B. MOVEMENT JOINTS IN BRICK: 3/8" WIDE CLEAN JOINT FILLED WITH EXPANDING JOINT MATERIAL PER ASTM D1056, CLASS RE 41. CAULK EXTERIOR FACE.
- C. PROVIDE BUILDING PAPER BOND BREAK BELOW LINTEL BEARING ADJACENT TO CONTROL JOINTS.

11. UNLESS NOTED OTHERWISE ON PLANS, UNDER LINTELS, BEARING PLATES, BEAMS, ETC., FILL CELLS WITH GROUT, 3 COURSES MINIMUM BELOW BEARING.

12. ALL REINFORCING STEEL SHALL BE SUPPORTED AND FASTENED TO APPROVED POSITIONERS LOCATED AT 192 BAR DIAMETERS MAXIMUM SPACING AND WITH A MINIMUM OF TWO POSITIONERS PER GROUT POUR (ONE NEAR THE BOTTOM AND ONE NEAR THE TOP) TO PREVENT DISPLACEMENT DURING THE PLACEMENT OF GROUT. ALL REINFORCING BARS MUST BE FULLY GROUTED IN PLACE IN LIFTS NOT TO EXCEED 60 INCHES.

13. BAR LAPS ARE AS FOLLOWS UNLESS OTHERWISE NOTED. MINIMUM BAR LAPS SHALL NOT BE LESS THAN 48 BAR DIAMETERS.

- A. #4 BAR: 24" MINIMUM LAP
- B. #5 BAR: 30" MINIMUM LAP
- C. #6 BAR: 36" MINIMUM LAP
- D. IN DOUBLE REINFORCED CELLS, STAGGER BAR SPLICES ACCORDINGLY SO THAT LAPS DO NOT OCCUR WITHIN THE SAME SECTION ALONG THE HEIGHT OF THE WALL.

14. GROUT ALL CELLS BELOW GRADE SOLID.

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 THAN 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. FIELD CONNECTIONS SHALL BE BOLTED EXCEPT WHERE WELDED CONNECTIONS ARE INDICATED ON THE STRUCTURAL DRAWINGS.

5. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS D1.1).

6. MATERIALS:

- A. ROLLED WIDE FLANGE SHAPES UNLESS NOTED: ASTM A992 DUAL GRADE, $F_y = 50$ KSI.
- B. ROLLED SHAPES AND PLATES UNLESS NOTED: ASTM A36.
- C. TUBULAR SHAPES: ASTM A500 GRADE C.
- D. BOLTS: ASTM A325-N, 3/4" DIAMETER UNLESS NOTED.
- E. 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.
- F. FIELD WELDS: AWS E70XX, LOW HYDROGEN ELECTRODES.
- G. NON-SHRINK NON-METALLIC GROUT: GRC-C-621 AND ASTM C1107 FOR INTERIOR AND EXTERIOR APPLICATIONS.

7. 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.

8. 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.

METAL DECKING

1. THE DESIGN, FABRICATION, AND ERECTION OF ALL STEEL DECKING SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE SPECIFICATIONS OF THE STEEL DECK INSTITUTE.

2.

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COLD-FORMED STEEL (CFS)

1. COLD-FORMED STEEL FRAMING CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "COLD-FORMED STEEL DESIGN MANUAL" CURRENT ADDITION, PUBLISHED BY "AMERICAN IRON AND STEEL INSTITUTE" (AISI).
2. MATERIALS:

A. STRUCTURAL FRAMING MEMBERS 18 GAUGE AND THINNER: ASTM A1003, GRADE A, F_y MINIMUM = 33 KSI, GALVANIZED GRADE G 60 PER ASTM A1003.

B. METAL STUDS FOR VENEER BACKUP: 18 GAUGE MINIMUM THICKNESS. MEMBERS SHALL BE GALVANIZED GRADE G 90 PER ASTM A1003.

C. ALL TRACK AND BRIDGING: F_y = 33 KSI MINIMUM, ASTM A1003 GRADE A, GALVANIZED GRADE G60 PER ASTM A653.
3. CUT ALL FRAMING COMPONENTS SO THEY FIT SQUARELY TOGETHER. STUDS MUST BEAR TIGHT AGAINST TRACK WEB. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED. BRACE WALL COMPONENTS AS REQUIRED DURING ERECTION TO PREVENT RACKING AND DISTORTION.
4. ALL FRAMING AND COMPONENTS SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL FOLLOW THE PRODUCT STANDARDS AND QUALITY STANDARDS AS REQUIRED BY "STEEL STUD MANUFACTURERS ASSOCIATION" (SSMA). ALL MEMBERS SHALL HAVE 1½" FLANGE WIDTH UNLESS NOTED OTHERWISE ON THE PLANS. ALL STUD/JOIST MEMBERS SHALL HAVE FLANGE LIP.
5. NO OPENING OR HOLE SHALL BE PLACED IN ANY STRUCTURAL MEMBER (OTHER THAN WHAT IS INDICATED ON THE DRAWINGS) UNLESS THE LOCATION HAS BEEN APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
6. PROVIDE SUBMITTALS FOR STRUCTURAL FRAMING SHOWING PROPOSED METHODS OF ATTACHMENT, STUD/JOIST SPACING WITH MEMBER SIZES INDICATED. SUBMITTAL SHALL INDICATE THE SIZE OF ALL MEMBERS, ALL CONNECTION DETAILS, BRIDGING, AND BRACING. THE ENGINEER, PRIOR TO FABRICATION AND ERECTION, SHALL APPROVE SUBMITTALS.
7. PRIOR TO THE START OF INSTALLATION OF METAL FRAMING SYSTEMS, THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE INSTALLERS OF OTHER WORK INCLUDING MECHANICAL, STRUCTURAL AND ELECTRICAL WORK. REVIEW AREAS OF POTENTIAL INTERFERENCE AND CONFLICTS AND COORDINATE LAYOUT AND SUPPORT PROVISIONS FOR INTERACTING WORK.
8. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS.

SCHEDULE OF SPECIAL INSPECTION SERVICES

- Inspection of Structural Steel Construction per Section 1705.2
- Hot Rolled Steel Framing
- Agent:
- Periodic inspection of high strength bolting of bearing type connections per AISC LRFD Section M2.5. (Ref. Code Section 1705.2.1)

Periodic inspection of field welding per AWS D1.1: (Ref. Code Section 1705.2.2.1) Applicable for Structural Steel connections having a single pass fillet welds 5/16" and smaller.

a. Verify prior to the start of work all materials, welding procedures and qualification of all welders.

b. Visual inspection of field welded joint details per the construction documents. Check length, size and type of weld performed.

c. Visual inspection of all floor and roof deck welds. Verify design intent and spacing of welds and welded members. Check for side lap fasteners and welded connections along edge of sheets and perimeter and drag strut collectors.

Periodic visual inspection of steel frame joint details for compliance with approved construction documents for: (Ref. Code Section 1705.2.1)

a. Verify the installation of all structural members and locations as noted on the structural drawings.

b. Verify the use of the proper connection methods as noted on the structural drawings.

c. Verify the installation of all column anchorage and proper bolt spacing as per the submitted placement drawings. Confirm proper bolt projection for installation of nut and washers.

d. Verify the installation of grout beneath structural column base plate.

e. Verify the application of proper joint details at each beam to column connection per the structural drawings and shop submittals.

f. Verify proper installation and connection of all lateral bracing elements and the specified connections to roof, floor, and foundation.

g. Verify proper installation of all secondary bridging, column braces, kickers and other secondary elements supporting wall components.

h. Verify the proper installation of the roof metal decking with appropriate laps and attachment to the perimeter angles and structural members.
- Cold Formed Steel Framing
- Agent:
- Periodic Inspection of cold formed steel framing details for compliance with approved construction documents for:

a. Verify details such as bracing and stiffening of studs and joists.

b. Verify all member locations and suggested support condition.

c. Verification the use of proper member depth, gauge, and yield stress.

d. Verify the design intent as regards to the application of joint details and connections.

e. Document the location of slip connections and where rigid connections are being used.

f. Verify the installation of the necessary cold rolled bridging and clips.

g. Verify attachment and screw attachment of all tracks, kickers, and headers.

h. Verify member size/placement/orientation to be consistent with construction documents.

Expansion / Adhesive Anchors

- Agent:
- Periodic Inspection of post installed anchor rods:

Verify the embedment depths and drilling procedure used to create hole.

Verify that hole has been cleaned and dust removed properly.

Document outside temperature and installation method use to install the epoxy adhesive.

- Inspection of Concrete Construction per Section 1705.3
- Agent:
- Periodic Inspection of reinforcing steel size, spacing and placement, per ACI 318: Chapters 3.5, 7.1-7.7. (Ref. Code Section 1901)

Scope to include:

Reviewing and documenting the size, grade, spacing and clearance of all embedded reinforcing bars prior to placement of concrete.

Verify bars are free of dirt and excessive rust, oil, or damage of any kind.

Verify specified lap splices in field with information on the drawings.

Verify method of bar support and ties.

Continuous Inspection of bolts installed in concrete prior to and during placement of concrete. (Where allowable loads have been increased per ACI 318: Chapters 8.1.3, 21.2.8) (Ref. Code Section 1908.5, 1909.1)

Periodic Verification of the use of the required design mix per project specifications per ACI 318: Chapters 4, 5.2-5.4. (Ref. Code Section 1904.2, 1910.2,1910.3).

Continuous sampling of fresh concrete and performing slump, air content and determining the temperature of fresh concrete at the time of making specimens for strength tests per ASTM C 172, ASTM C 31 & ACI 318: Chapters 5.6 & 5.8. (Ref. Code Section 1910.10).

Minimum frequency (1910.10) Samples for strength tests of each class of concrete shall be taken at least once per shift, but not less than one sample for each 50 cubic yards placed.

Continuous Inspection of concrete placement for proper application techniques per ACI 318: Chapters 5.9 & 5.10. (Ref. Code Section 1910.6, 1910.7, 1910.8).

Verify the application of Cold Weather concrete and/or Hot Weather concrete techniques per ACI 318: Chapters 5.12-5.13.

Periodic Inspection for maintenance of specified curing and temperature and techniques per ACI 318: Chapters 5.11 - 5.13. (ref. Code Section 1910.9).

Curing of concrete shall be maintained above 40-degree F and in a moist environment for seven days after placement or cured by (1910.9) accelerated means that comply with ACI 318, section 5.11.3.

Periodic Inspection of Formwork construction: (This inspection is not to address the means or methods of forming / shoring but to verify the geometry affecting the structural integrity of such form).

Verify size and dimensions of structural members being formed.

Verify intent, configuration, and location of specified structural member being formed.

- Inspection of Masonry Construction per Section 1705.4
- Agent:
- Periodic verification for compliance with approved submittals.

Periodic verification of fm and fACC prior to construction and for every 5,000 SF during construction.

Periodic verification of proportions of materials in premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout, as delivered to the project site.

Periodic verification of site prepared mortar, mortar strength evaluation and the construction of mortar joints.

Periodic verification of size and location of structural elements; type, size, and location of anchors; including details of anchorage of masonry to structural steel members, frames, or other construction per ACI 530/ASCE 5/TMS 602.

Periodic verification of protection of masonry during cold weather (temperature below 40 degrees Fahrenheit) or hot weather (temperature above 90 degrees Fahrenheit) per ACI 530.1/ASCE 6/TMS 602: Article 1.8. (Ref. Code Section 2104.3 & 2104.4).

Periodic verification prior to grouting that grout space is clean and correct proportions of site prepared grout are present per ACI 530/ASCE 5/TMS 602: Article 2.6 & 3.2.

Continuous inspection of structural masonry beams consisting of horizontal and vertical reinforcement grouted within the cells of the blocks. Verify that size, depths, and placement of all structural steel is properly positioned prior to grouting.

Verification that grout is placed in compliance with code and construction documents per ACI 530/ASCE 5/TMS 602: Article 3.5. Randomly check sections of wall for required grouted cells and grouted bond beams for the placement of grout.

- Inspection of Soil Conditions per Section 1705.6
- Agent:
- Confirm existing soils load-bearing capacity with requirements of the approved soils report or as specified on the contract documents.

- Inspection of Cast-in-Place Foundations per Section 1705.8
- Agent:
- Inspection of cast-in-place foundations in accordance with Table 1705.8 for buildings located in Seismic Design Category B, C, D, E, or F.

- Inspection of Sprayed Fire-Resistant Materials per Section 1705.13
- Agent:
- Special inspections for sprayed fire-resistant materials applied to the structural elements and decking shall be in accordance with Sections 1705.13.2 through 1705.13.6 to include compliance of member surface conditions, application, thickness, density, and bond strength.

DRAWING INDEX

- S001 GENERAL STRUCTURAL NOTES
- S002 GENERAL STRUCTURAL NOTES
- S110 FOUNDATION PLAN
- S120 SECOND FLOOR FRAMING PLAN
- S130 ROOF FRAMING PLAN
- S310 FOUNDATION SECTIONS
- S320 FRAMING SECTIONS
- S321 FRAMING SECTIONS
- S322 FRAMING SECTIONS

TYPICAL ABBREVIATION LIST

- AEF = Alternate Each Face

ARCH = Architect

BLDC = Building

BM = Beam

B/FTG = Bottom of Footing

B/DECK = Bottom of Deck

BRG = Bearing

CIP = Cast In Place

CJ = Control Joint

CL = Center Line

CLR = Clear

CMU = Concrete Masonry Unit

CONC = Concrete

CONT = Continuous

DL = Dead Load

DWG = Drawings

EJ = Expansion Joint

EL = Elevation

EMBD = Embedment

ENGR = Engineer

EQ = Equal Distance

EW = Each Way

EF = Existing

EX = Exterior

EXT = Exterior

FTG = Footing

FND = Foundation

ga = Gauge

GALV = Galvanized

GC = General Contractor

GRAN = Granular

HORZ = Horizontal

HD = Hold Down Anchor

HSS = Hollow Structural Section

k = Kips

ksf = Kips Per Square Foot

lbs = Pounds

LG = Long

LL = Live Load

LH = Long Leg Horizontal

LLV = Long Leg Vertical

LSL = Laminated Strand Lumber

LVL = Laminated Veneer Lumber

MAX = Maximum

MECH = Mechanical

MIN = Minimum

ML = Micro Laminated

NS = Non Shrink

NTS = Not to Scale

o.c. = On Center

PAF = Powder Actuated Fastener

PC = Piece

PEMB = Pre-Engineered Metal Building

PL = Plate

psf = Pounds Per Square Foot

RD = Roof Drain

REINF = Reinforcement

RTU = Roof Top Unit

SDS = Self Drilling Screw

SF = Step Footing

SW = Step Wall

SB = Solid Bearing

SCH = Schedule

SIM = Similar

STL = Steel

SRD = Secondary Roof Drain

T/FTG = Top Of Footing

TS = Tube Steel

TYP = Typical

UNO = Unless Noted Otherwise

VERT = Vertical

WWF = Welded Wire Fabric

WF = Wide Flange

WP = Work Point

NOT ALL ABBREVIATIONS APPLY. INCLUDED FOR REFERENCE ONLY.

4

K

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NO.	DESCRIPTION	DATE
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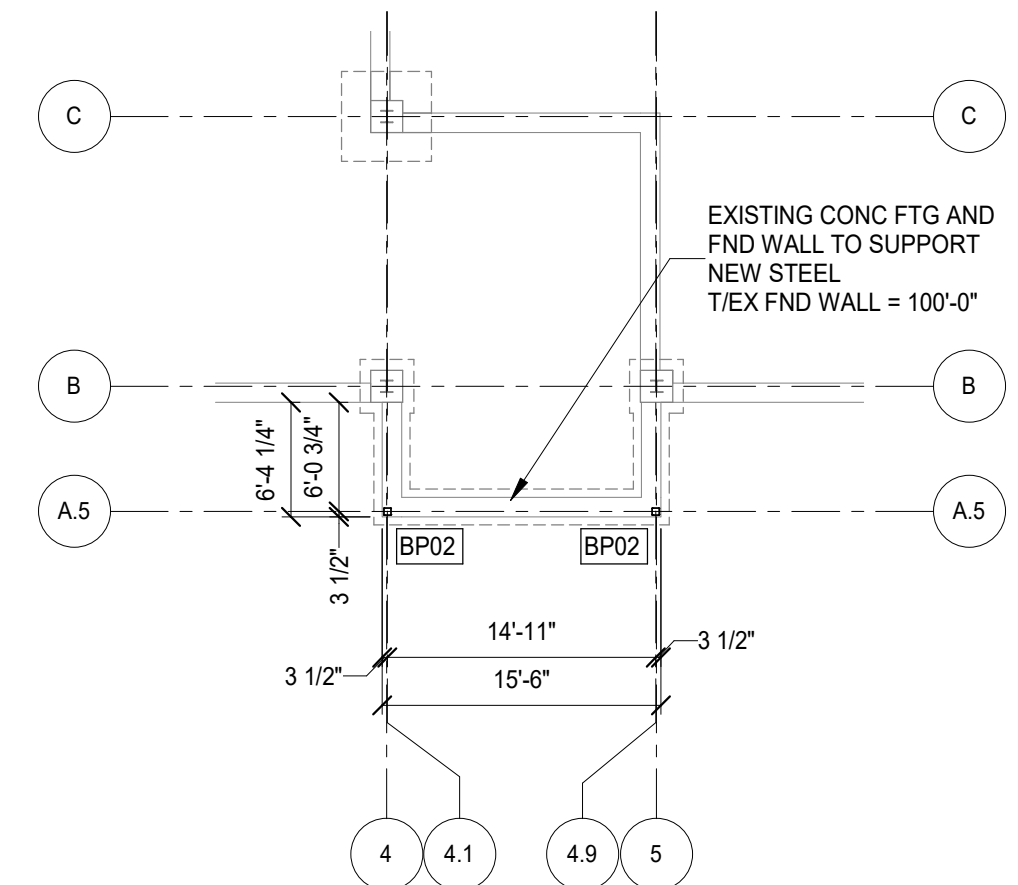
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GENERAL
STRUCTURAL NOTES

Drawn By: ACL / SJ
Scale: 12" = 1'-0"
Job No.: 22131.05

S002

NORTH

A circular north arrow with a white arrow pointing upwards and a grey shaded background. The word "NORTH" is written above the circle.

ALTERNATE #3 FOUNDATION PLAN
SCALE 3/32" = 1'-0"

1. COORDINATE ALL DIMENSIONS, DOOR AND WINDOW LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ADVANTAGE GROUP ENGINEERS OF ANY DISCREPANCIES.
3. CHECK SLAB $100' \times 939.00'$ USGS. NEW SLAB ON GRADE TO MATCH EXISTING SLAB ON GRADE ELEVATION UNLESS NOTED OTHERWISE.
4. NEW 5" CONCRETE SLAB ON 4" COMPACTED GRANULAR FILL WITH W.W.F. 606x2W.9x2W.9 (42#) MESH CENTERED ON CHAIRS IN SLAB. $75SLAB = 100' - 0" =$ MATCH EXISTING.
5. DOWELS AT 5' ON SLAB OR EXISTING GRADE BEAM WITH $1/2" \times 10" LG$ SMOOTH DOWELS AT $24" - 4"$ MIN EMBED.
6. NEW 8" CMU KNEEWALL FOR STOREFRONT SUPPORT. REINFORCE WITH #5 @ $32" \times 0"$ VERTICAL. SEE SECTIONS Y3/S10 AND Z3/S10 FOR ADDITIONAL INFORMATION. COORDINATE HEIGHT WITH ARCH.
7. REINSTATE G3 FOUNDATION PLAN PROVIDED ON THIS SHEET. SEE ALTERNATE G3 FRAMING PLAN ON \$120.



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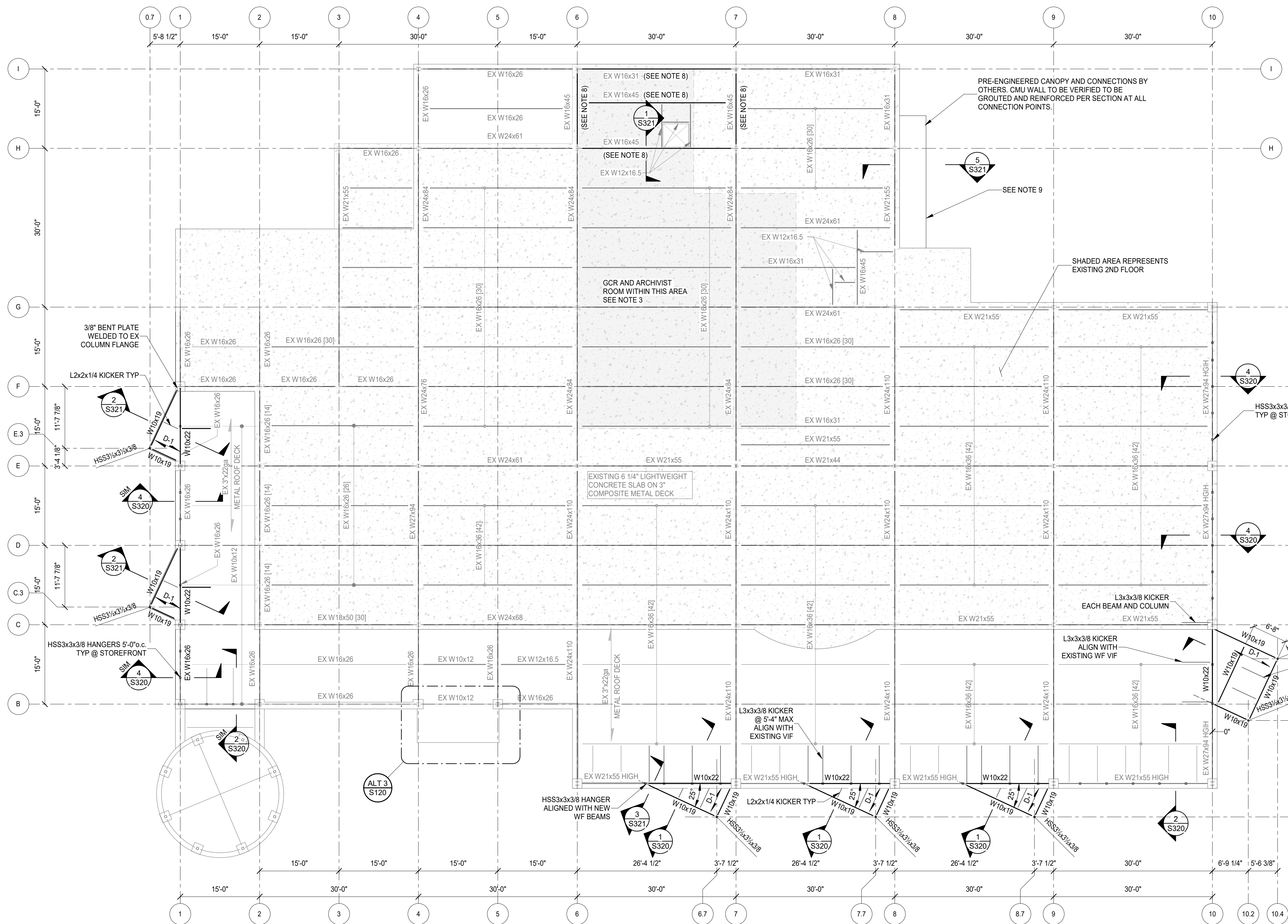
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FOUNDATION PLAN

Drawn By:	ACL / SJ
Scale:	3/32" = 1'-0"
Job No.:	22131.05

S110

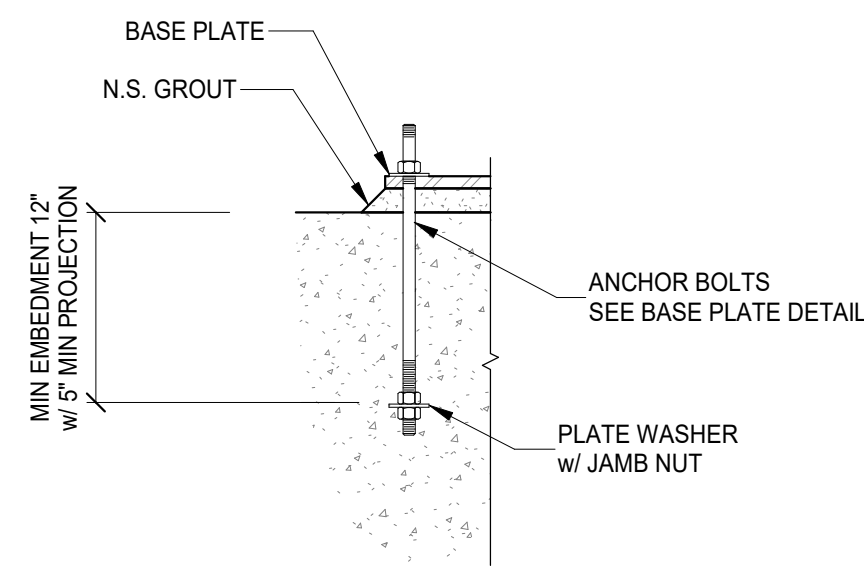
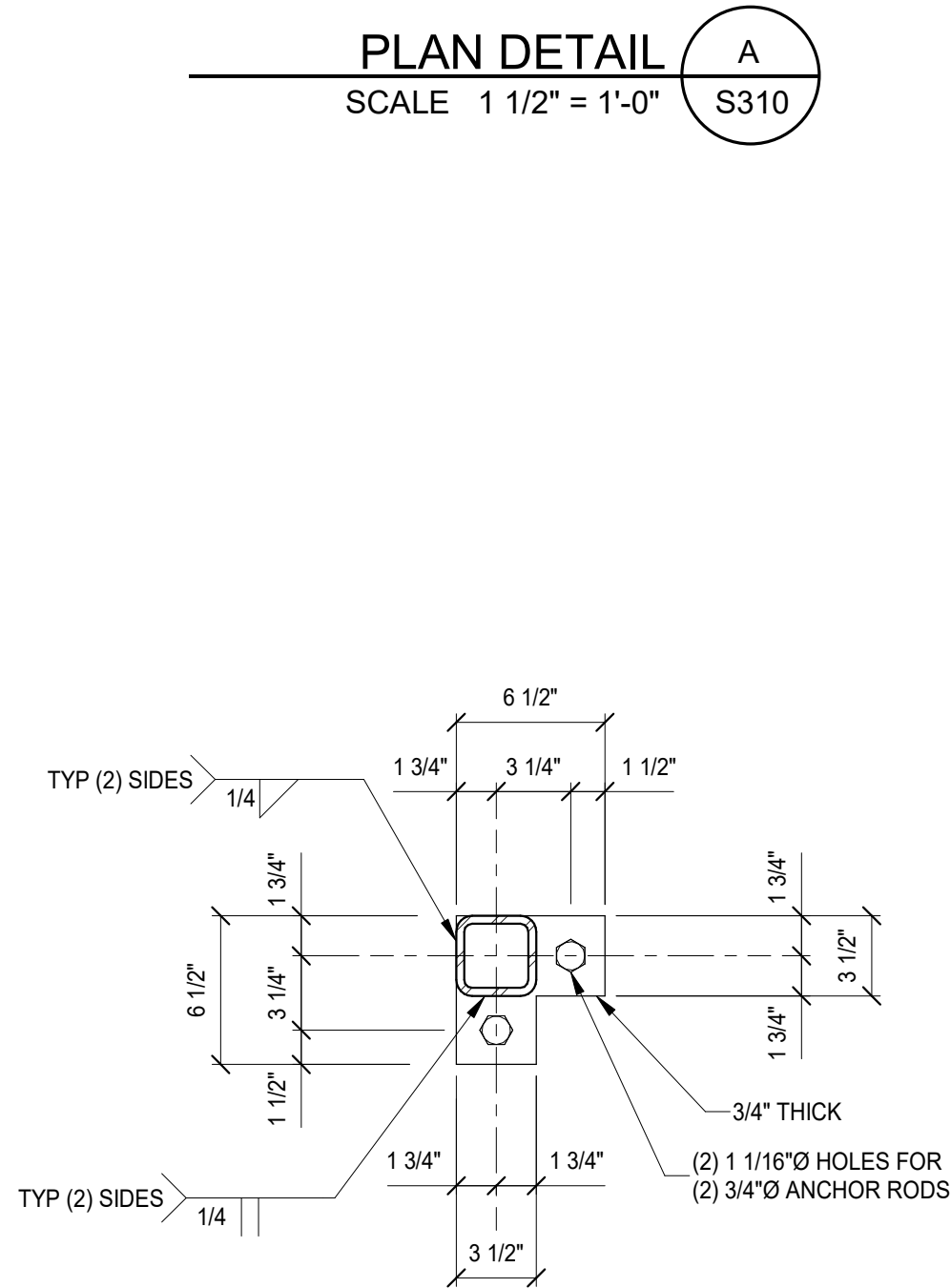
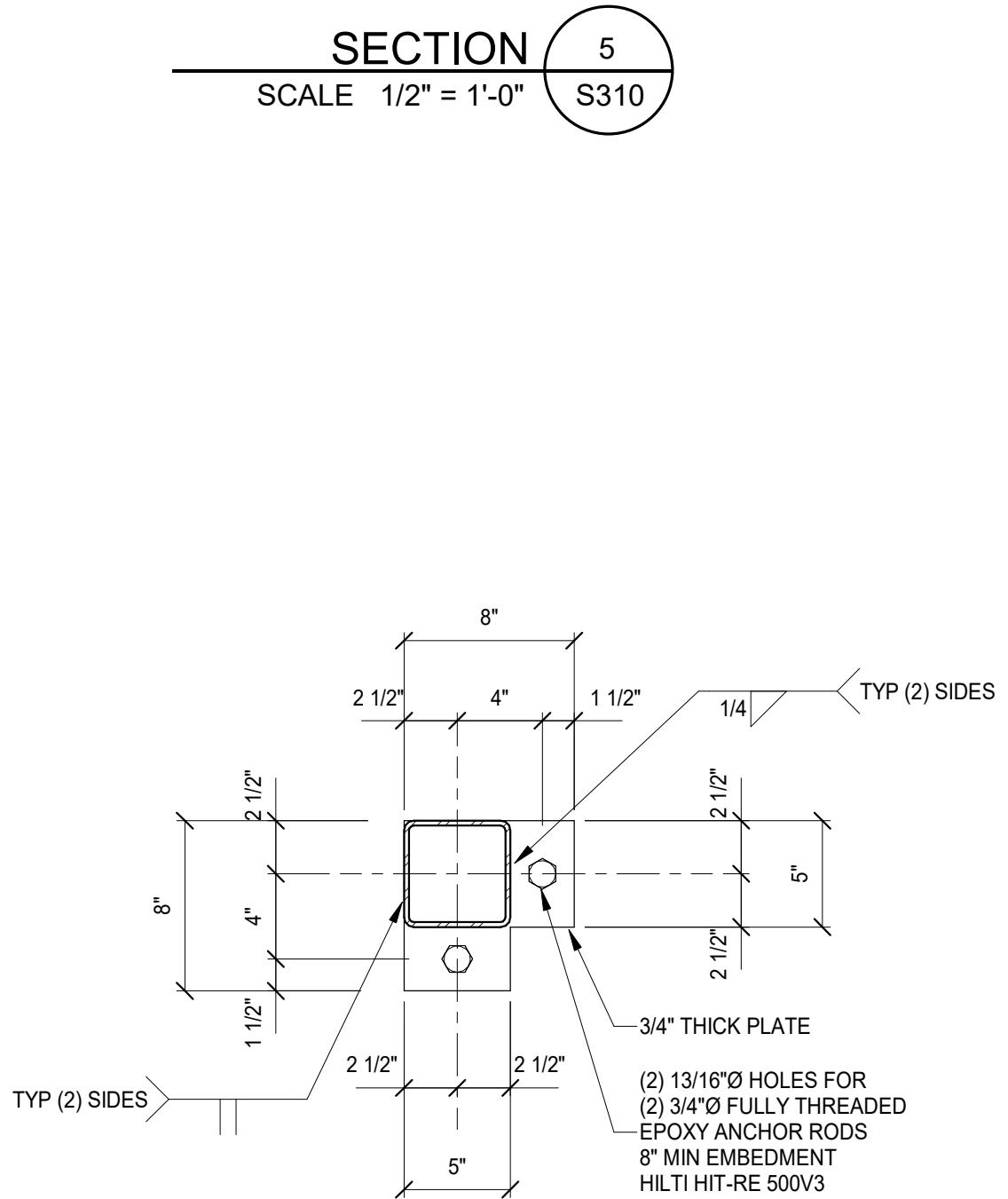
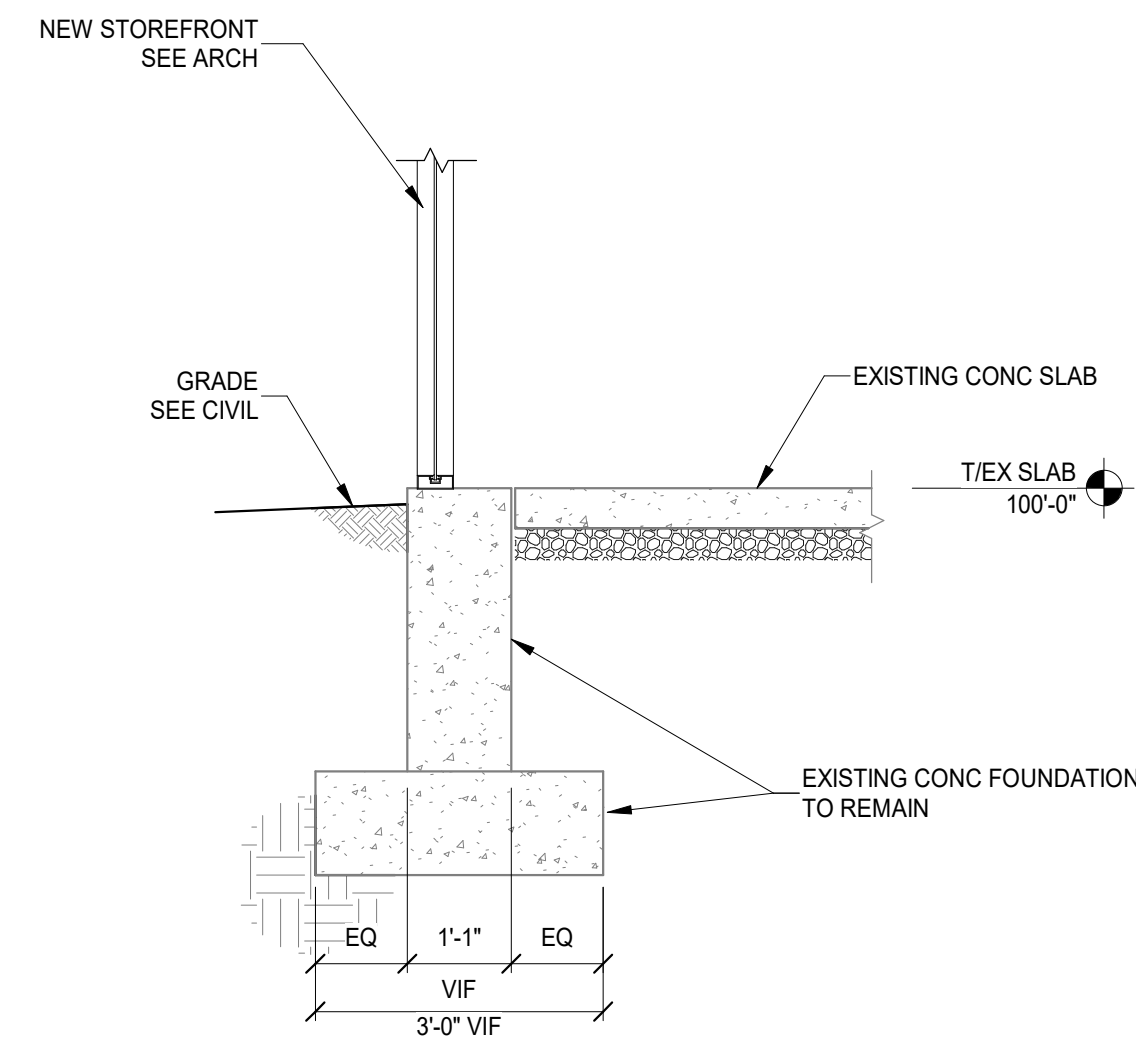
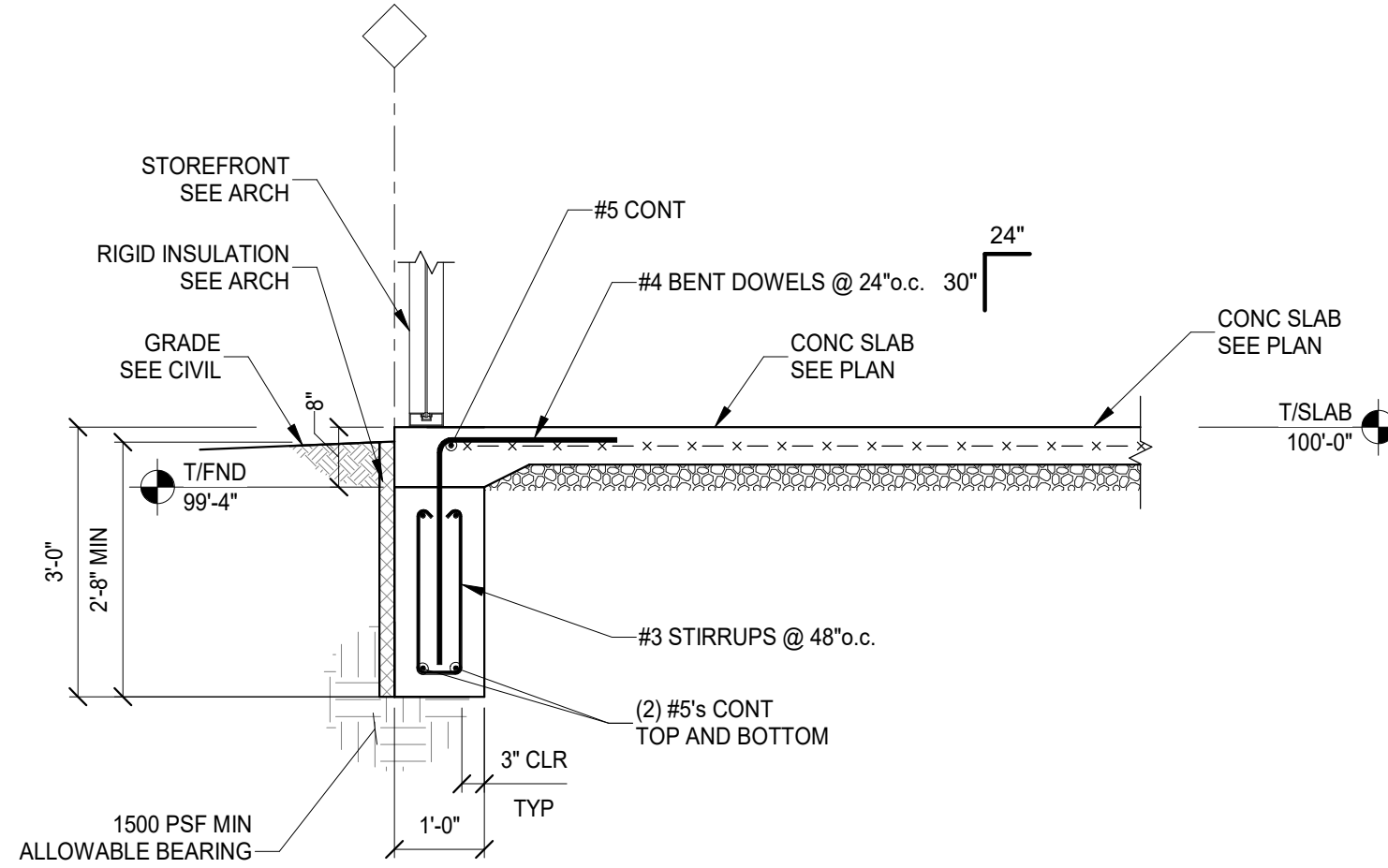
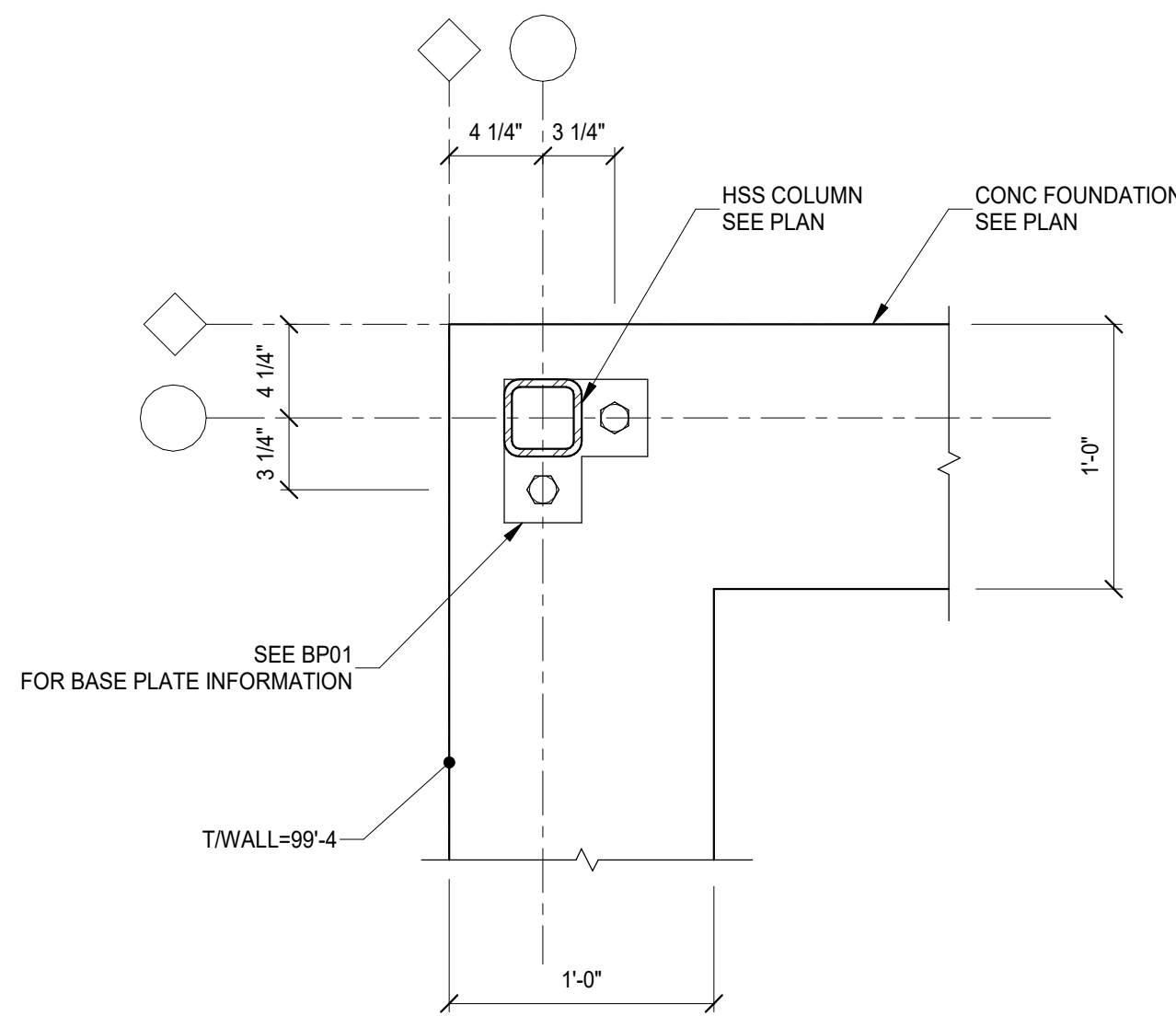
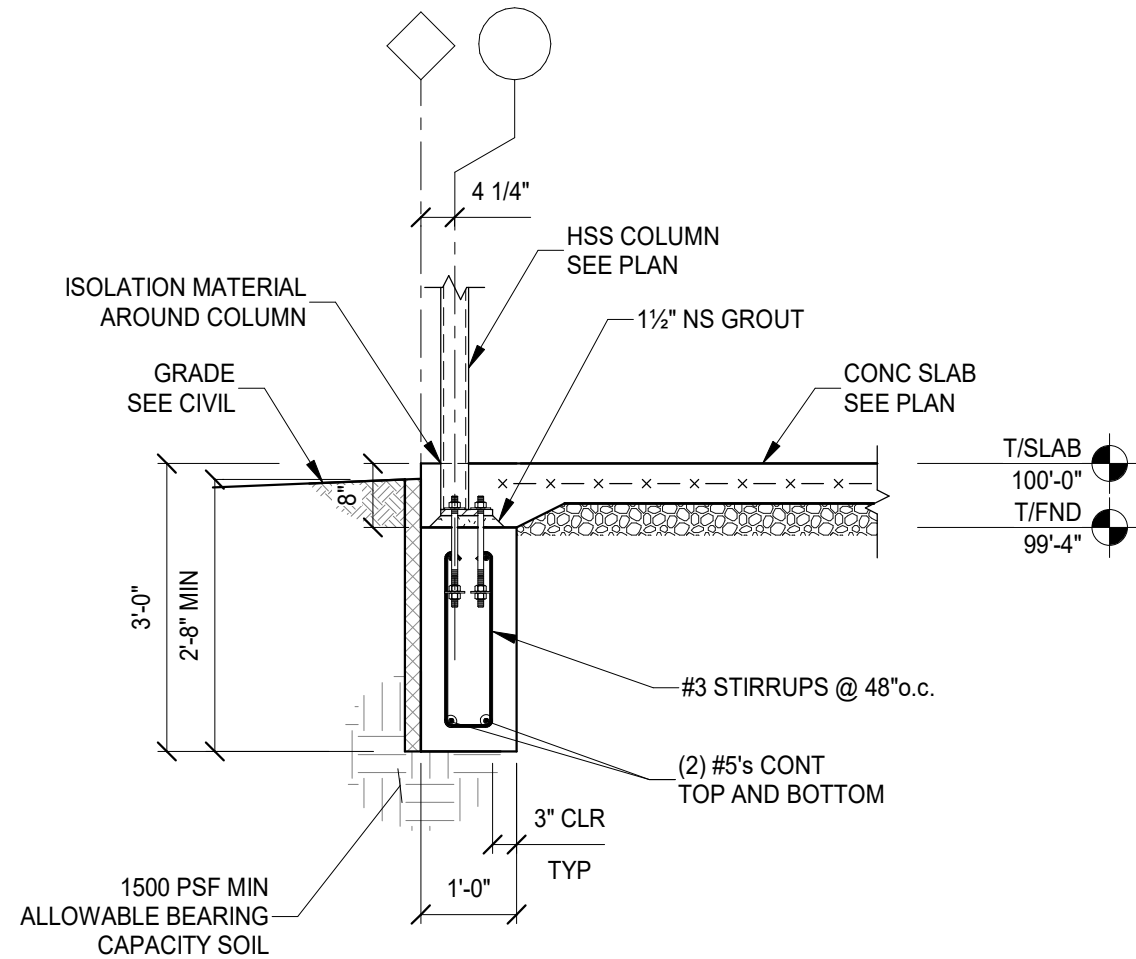
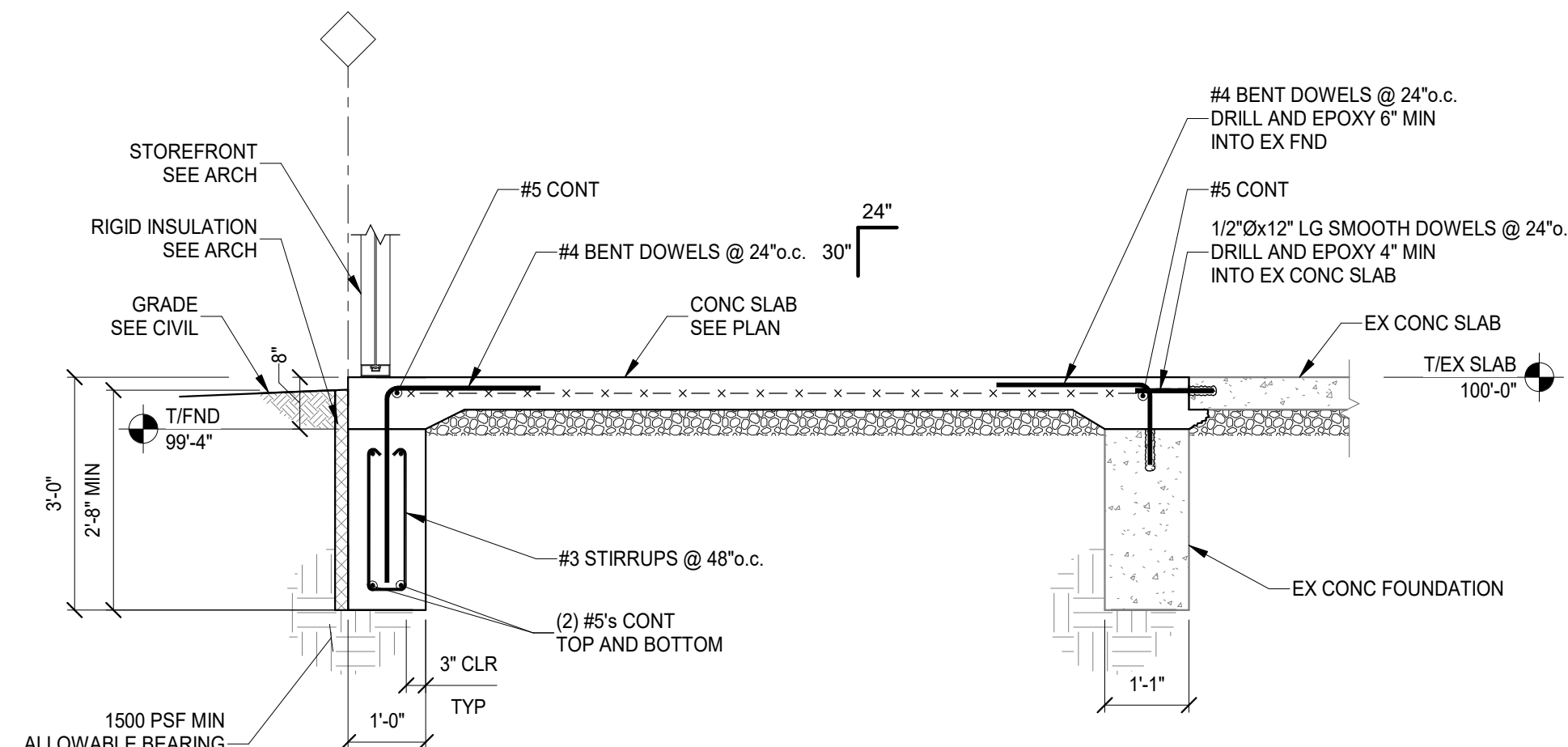
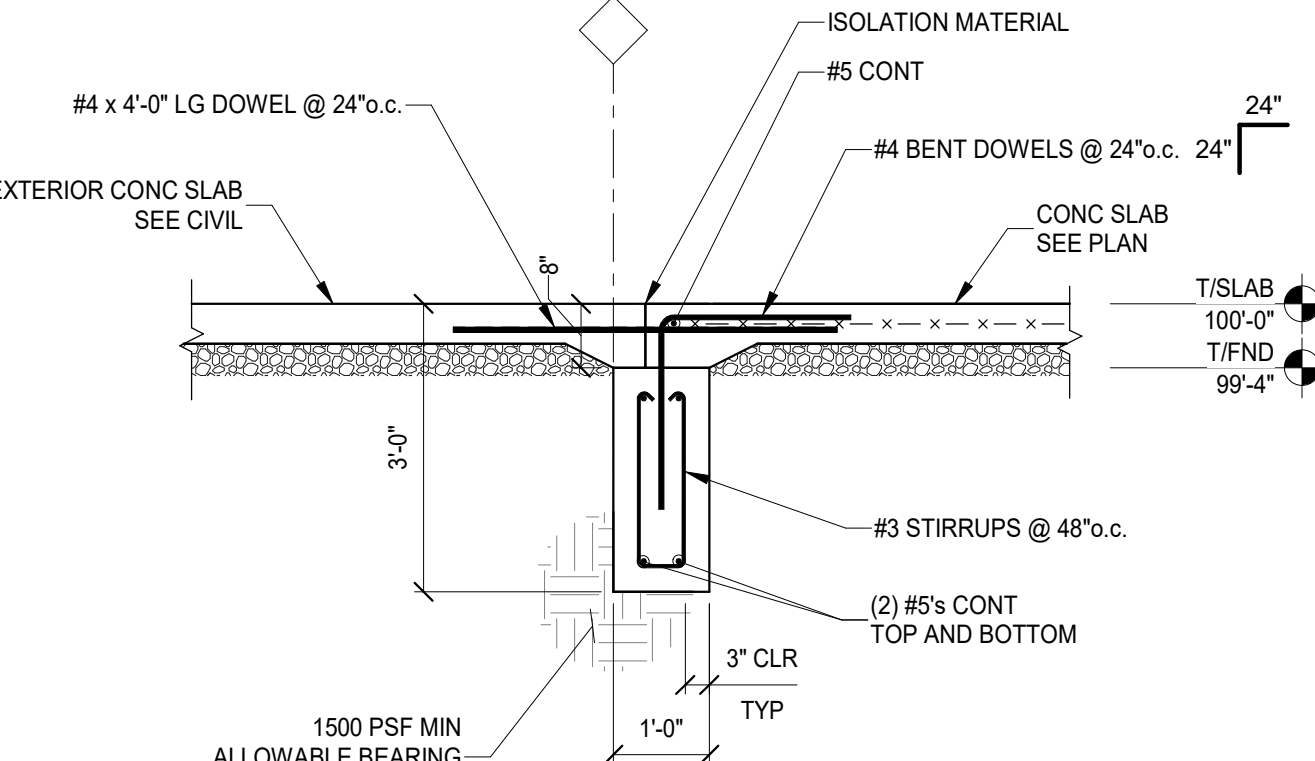
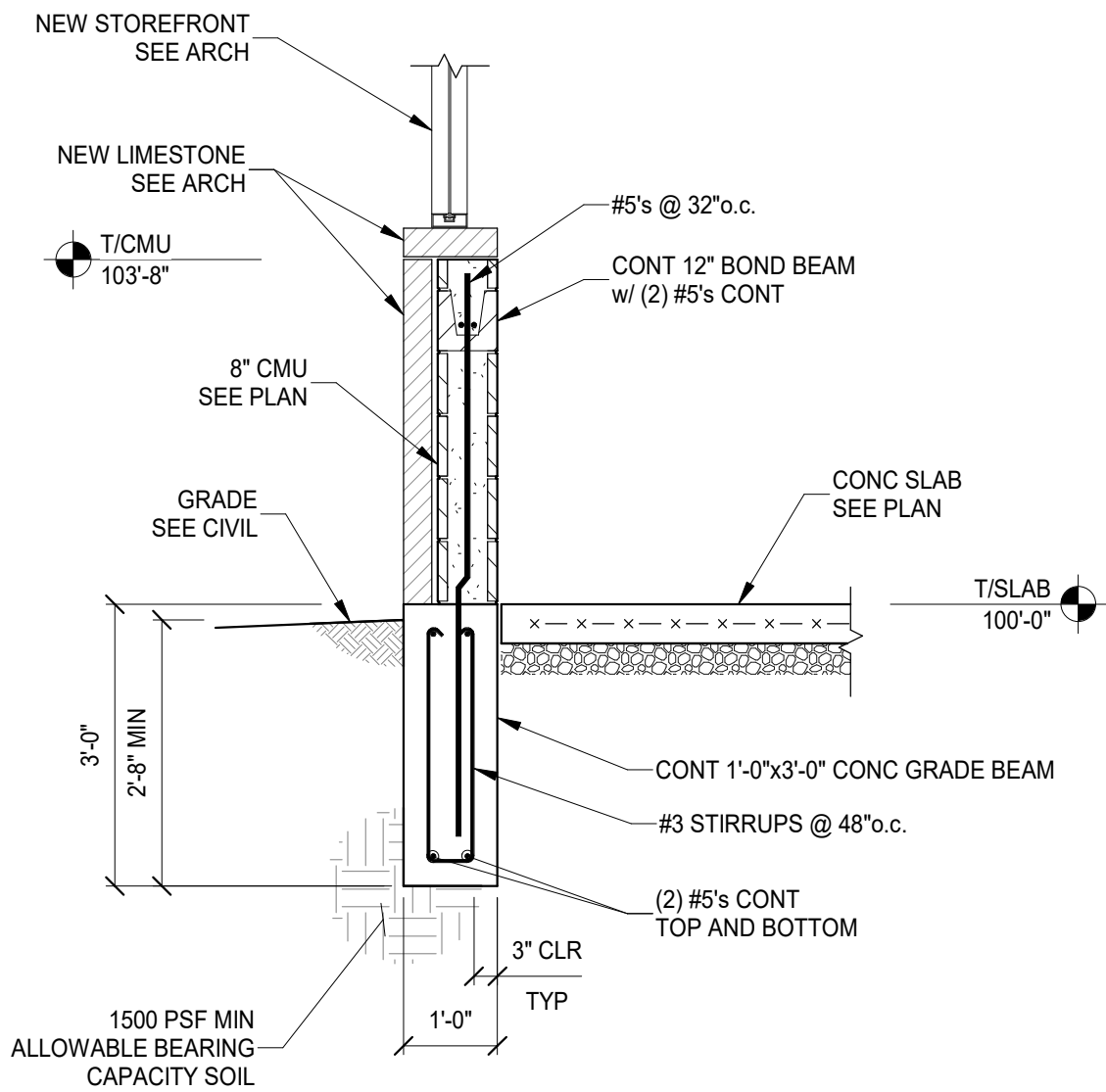
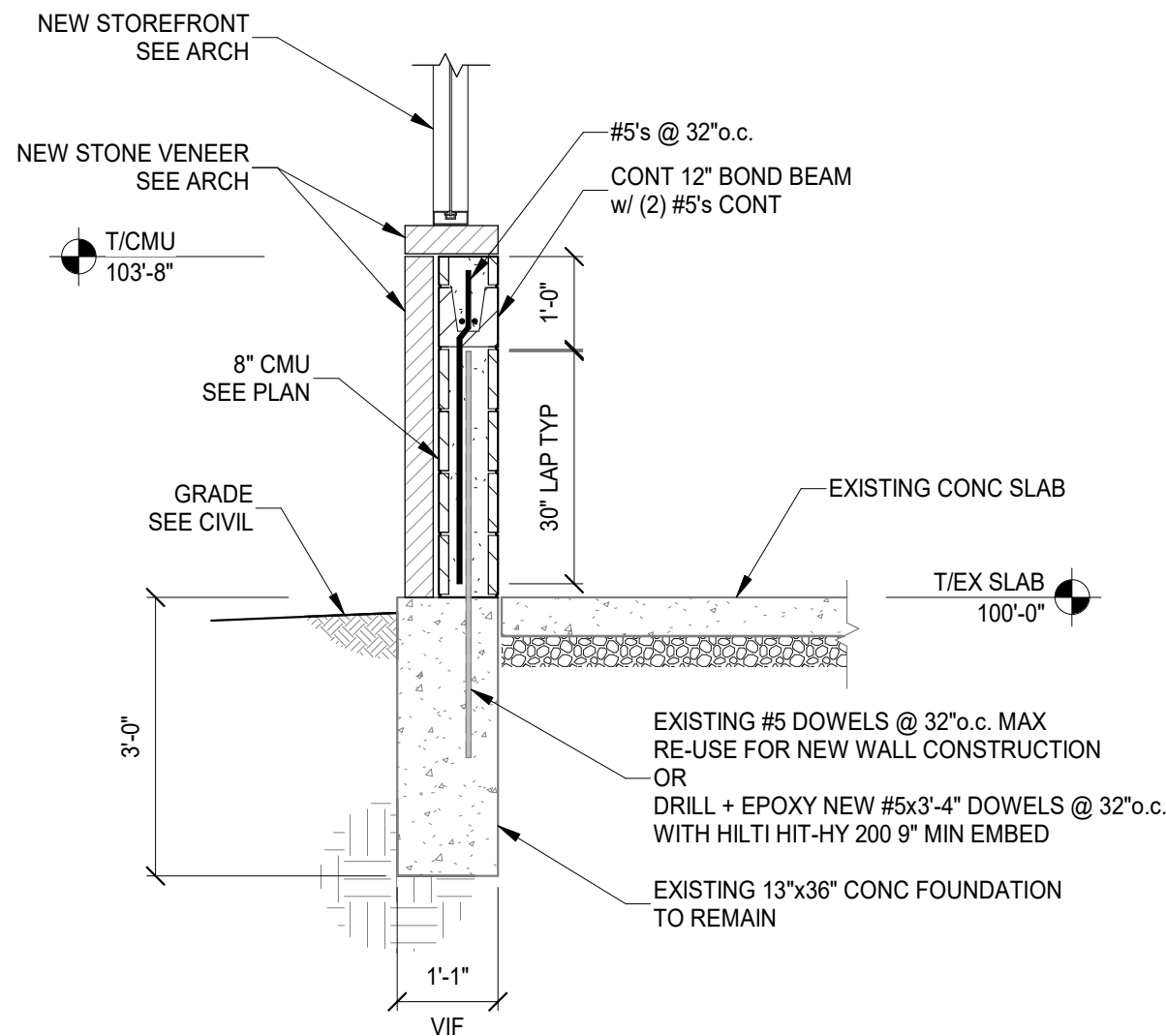
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NORTH

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2. FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ADVANTAGE GROUP ENGINEERS OF ANY DISCREPANCIES.
3. CONTRACTOR TO COORDINATE WITH MEP REGARDING REMOVAL OF EXISTING RTUs AND EQUIPMENT. EXISTING OPENINGS TO BE INFILLED WITH DECK PER 332.2. NEW RTUs TO BE PLACED APPROXIMATELY PER THIS PLAN AND MEP. COORDINATE SELECTION OF UNITS AND CURBS WITH MEP.
4. NEW RTUs TO ALIGN WITH COLUMN LINES (BEAMS) PER THIS PLAN, WITH HSS SC2 1/2x1/4 SHIMS PLACED BETWEEN JOISTS FOR FULL CURB SUPPORT. PROVIDE ANGLE FRAMING BELOW UNIT AND ANGLE BRACING TO CURBS PER THIS PLAN AND SECTION 05110.
5. RTUs AND SUPPORT CURBS TO BE THOROUGHLY COORDINATED TO ENSURE NO INTERFERENCE WITH EXISTING FRAMING. FOR INSTANCE, AHU-1 CURB CURRENTLY DOES NOT MATCH THE WIDTH BETWEEN EXISTING DOUBLE JOISTS AND WF BEAM AND SHOULD BE WIDENED OR ROTATED FOR PROPER CURB SUPPORT.
6. COORDINATE WITH MEP FOR EXACT LOCATIONS OF RTUs. SCHEMATIC LAYOUT SHOWN FOR BID PURPOSES ONLY. EXISTING 8H3 TO BE REINFORCED BELOW AHU-2.



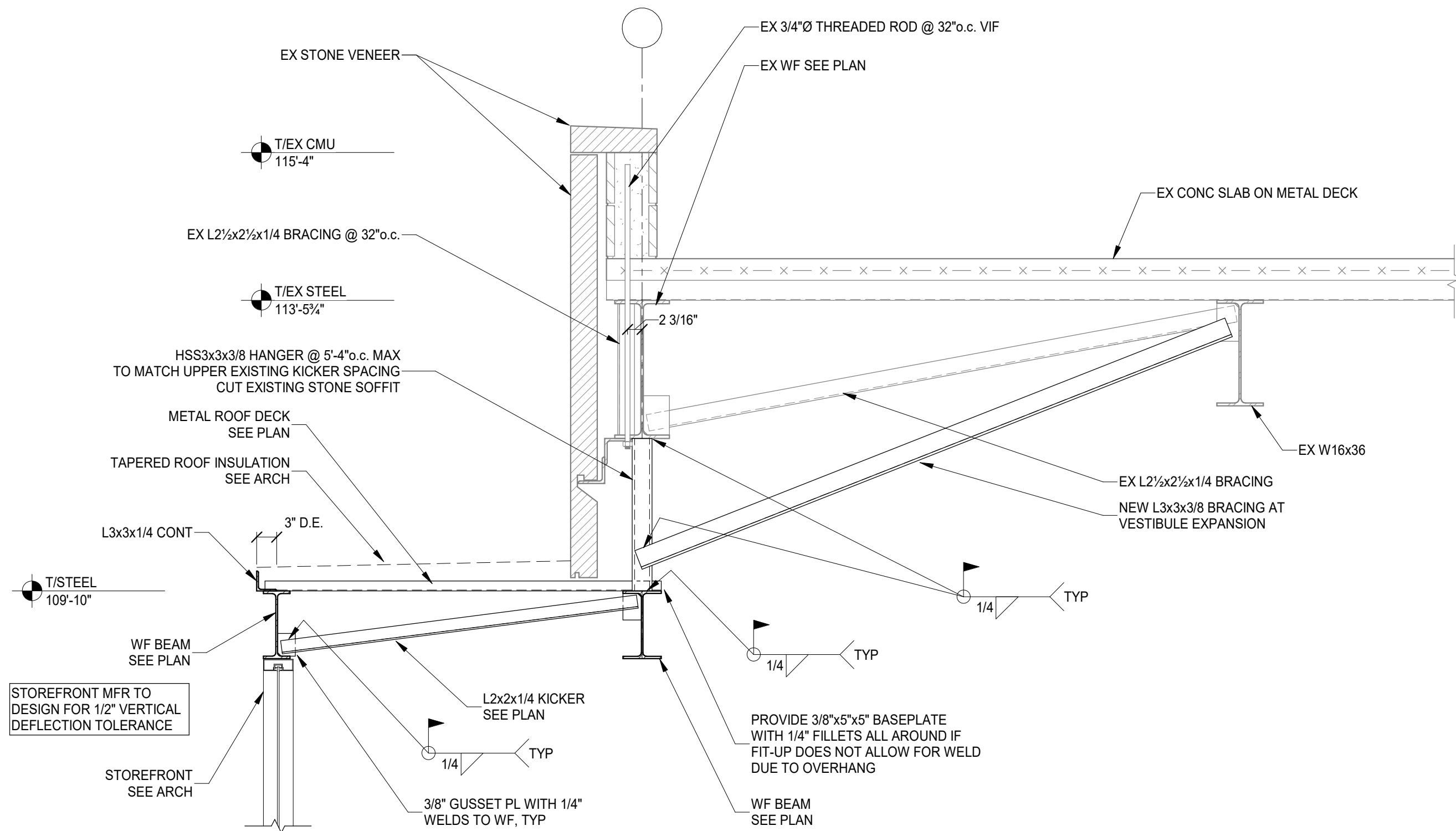
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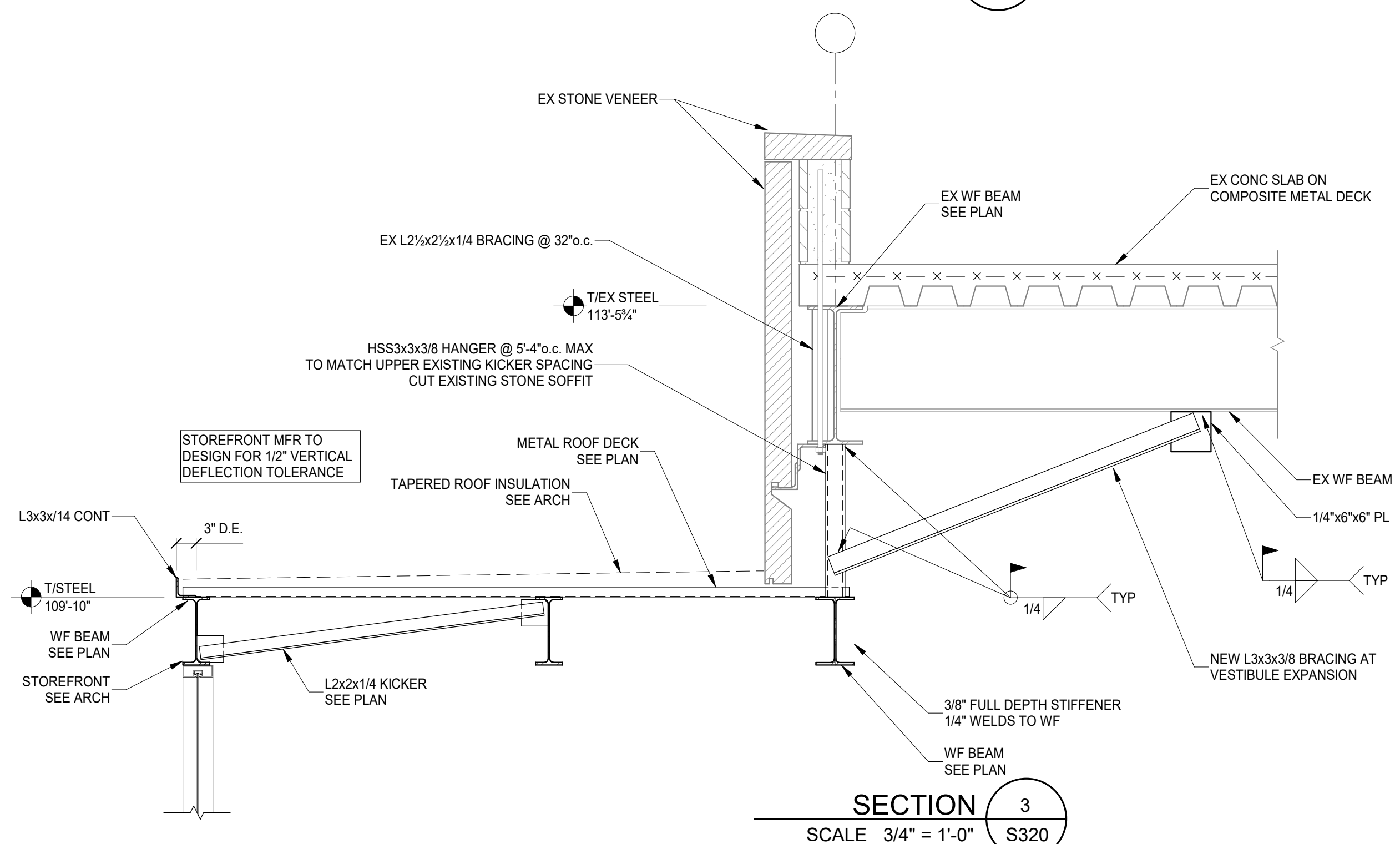
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			Design Team: ACL / SJ	
			Date: 7/28/2022	
			Drawing No.	
			S310	

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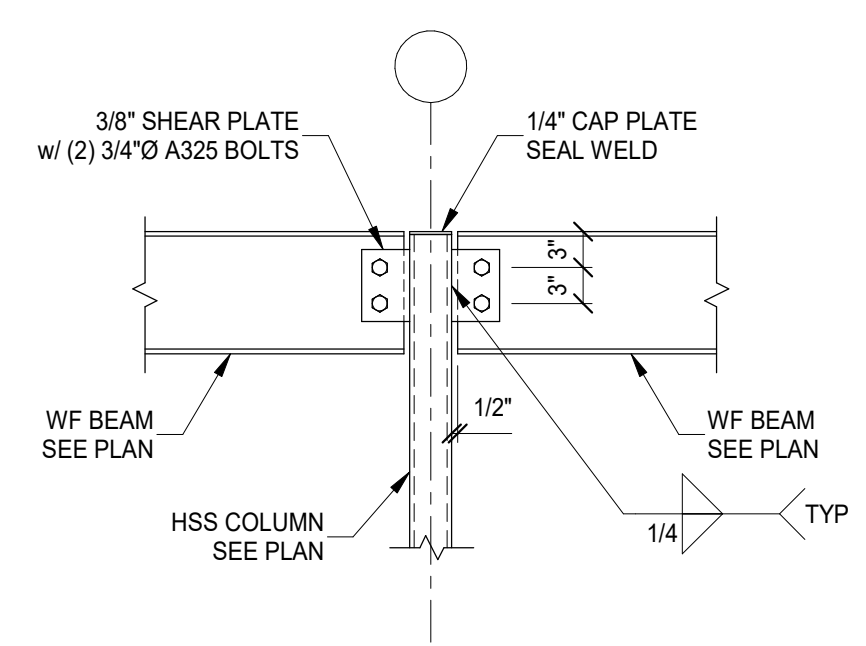
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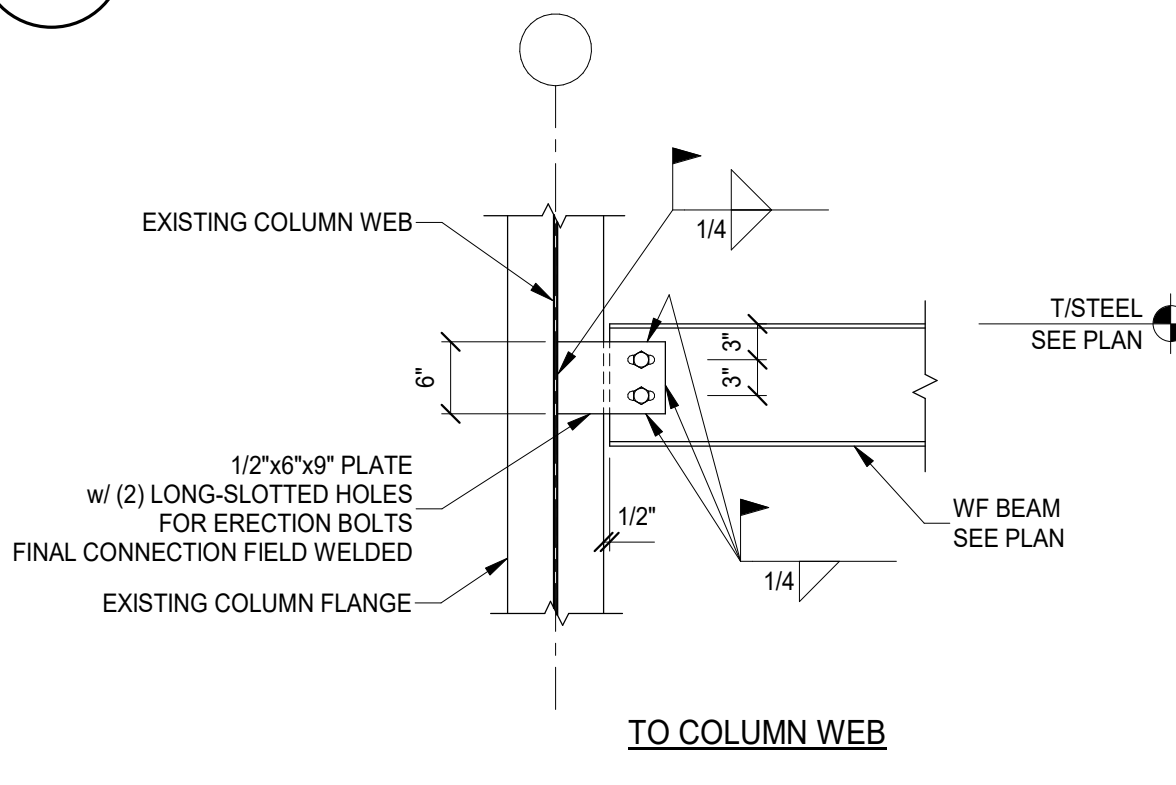
SECTION 1
SCALE 3/4" = 1'-0" S320



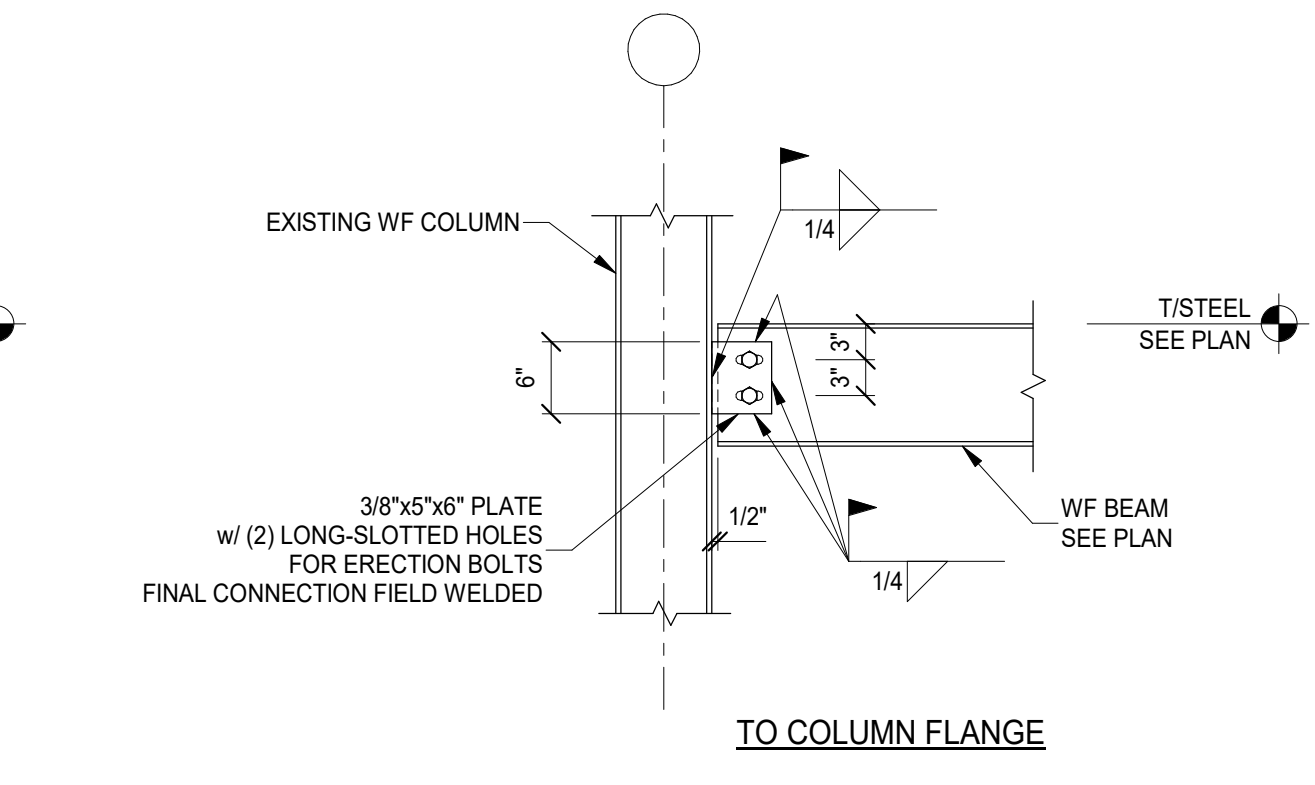
SECTION 3
SCALE 3/4" = 1'-0" S320



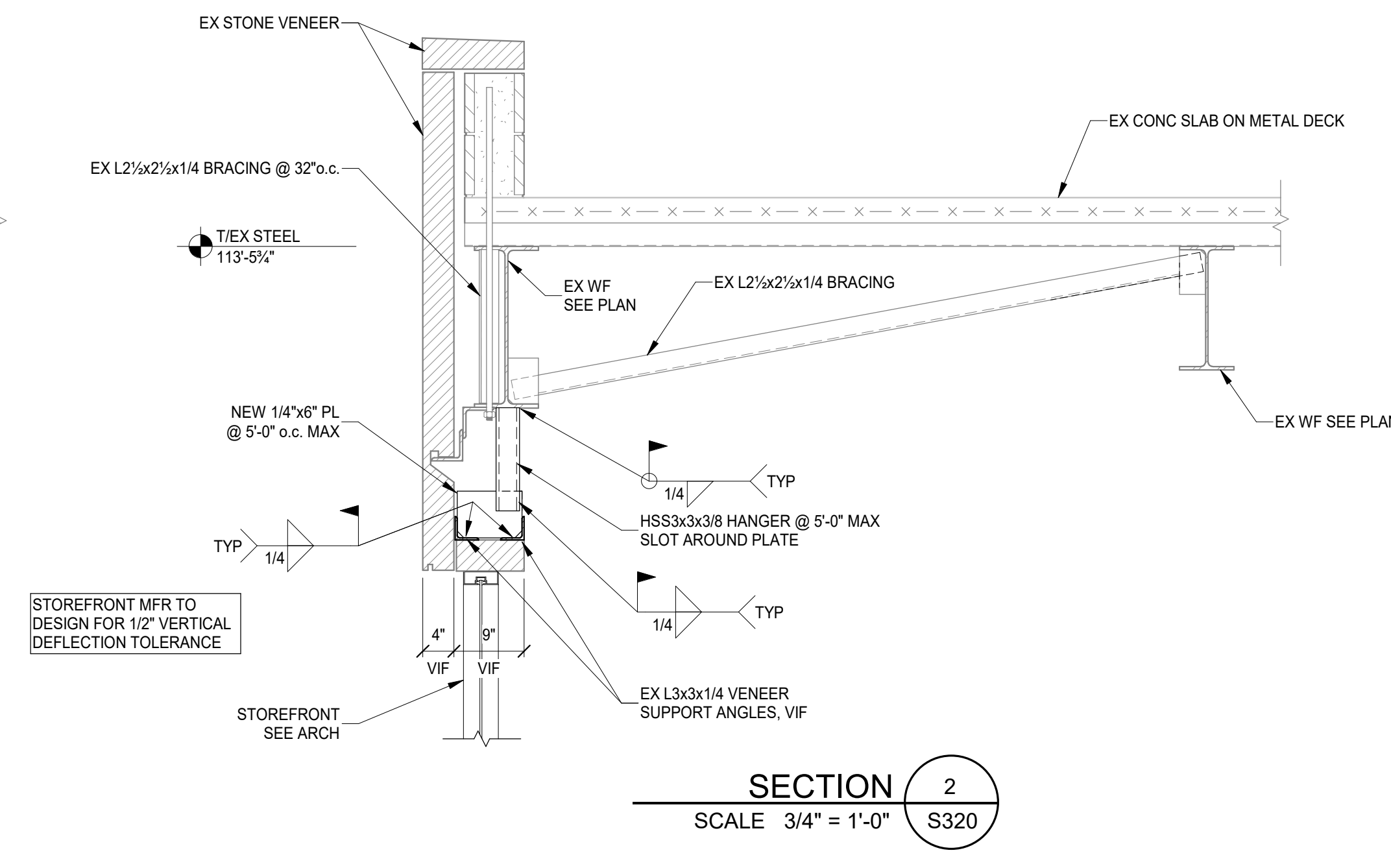
TYPICAL WF BEAM TO HSS COL CONNECTION
SCALE 3/4" = 1'-0"



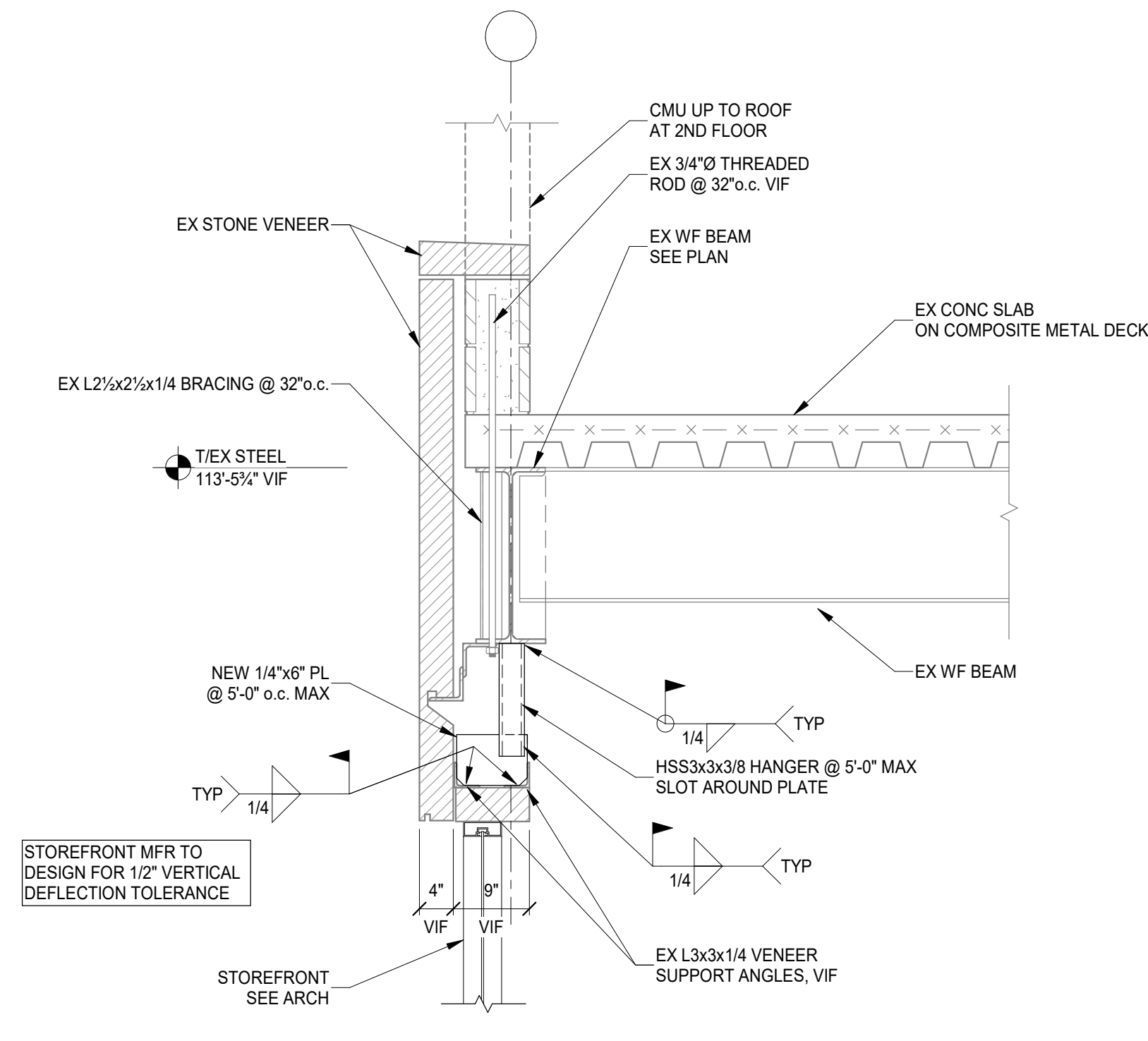
TYPICAL SHEAR CONNECTION TO EXISTING COLUMN
SCALE 3/4" = 1'-0"



TYPICAL SHEAR CONNECTION TO EXISTING COLUMN
SCALE 3/4" = 1'-0"



SECTION 2
SCALE 3/4" = 1'-0" S320



SECTION 4
SCALE 3/4" = 1'-0" S320



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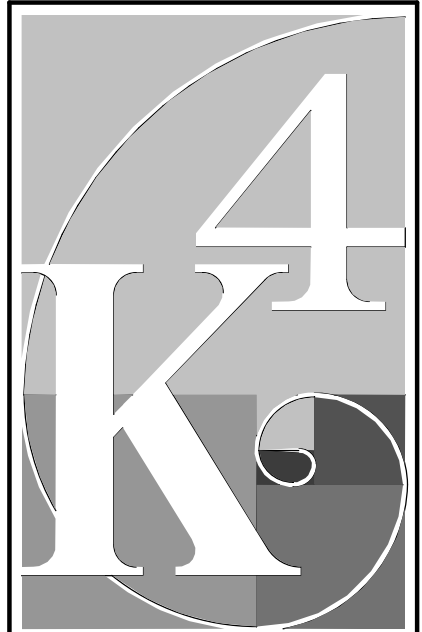
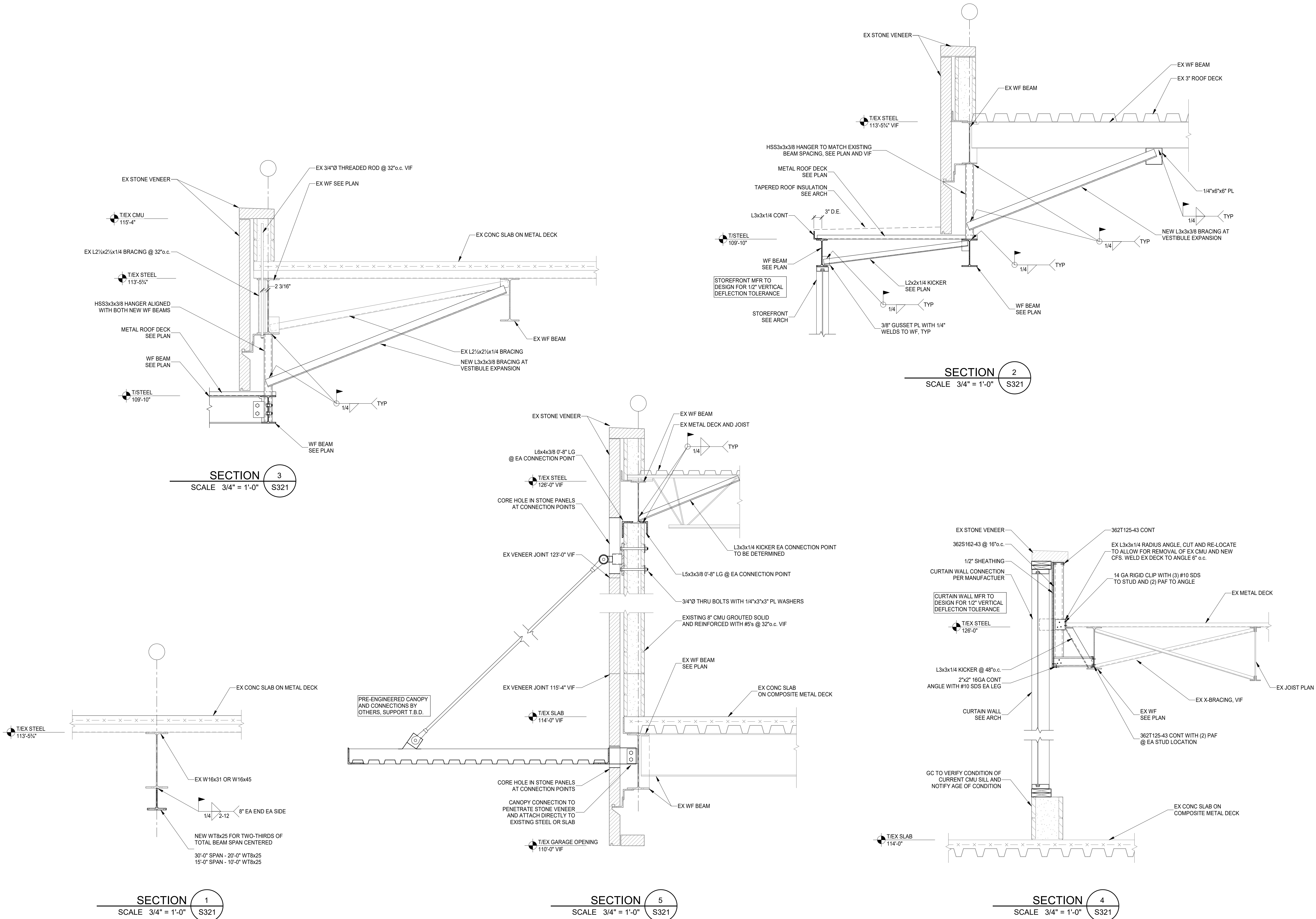
1527 Madison Rd.
Cincinnati, Ohio 45206
Ph: (513) 396-8900

FRAMING SECTIONS

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S320

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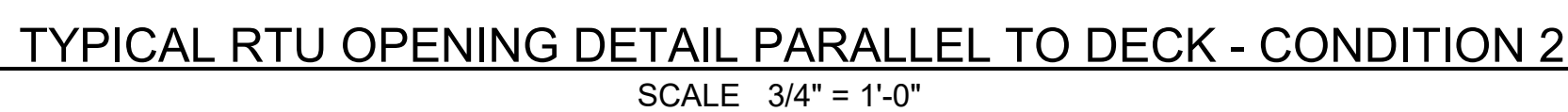
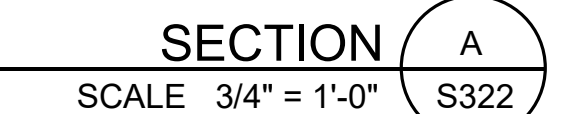
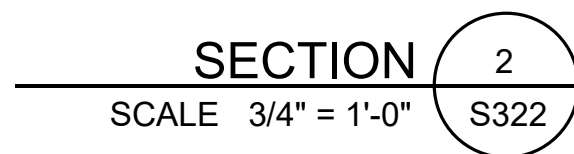
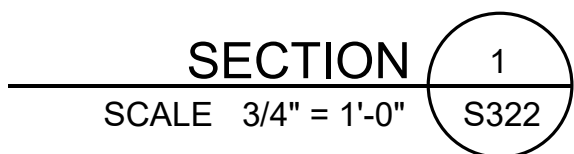
Structural Consultants
**ADVANTAGE GROUP
ENGINEERS, INC.**

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Cincinnati, Ohio 45206
Ph: (513) 396-8900

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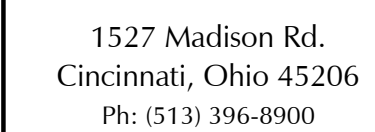
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Scale: 3/4" = 1'-0"
Job No.: 22131.05

S321



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Scale:	3/4" = 1'-0"
Job No.:	22131.05

S322

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Filename : 21-2113 D101.dwg Plot Date : Jan. 04, 2023 7:52am



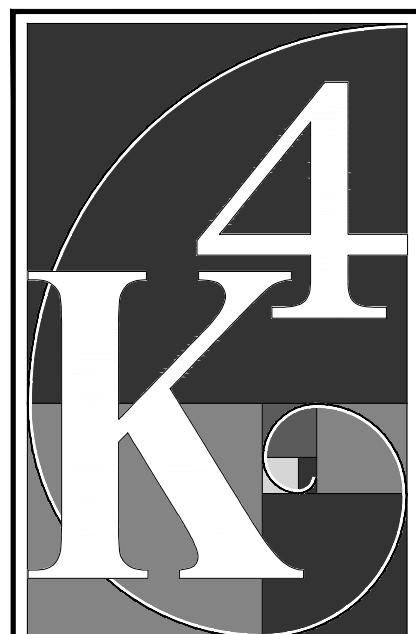
FIRST FLOOR DEMO PLAN
SCALE: 3/32"=1'-0"

GENERAL NOTES:

- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- B. DASHED LINES INDICATE ITEMS TO BE REMOVED.
- C. DISPOSE OF ALL MATERIAL PROPERLY. SEE SPECIFICATIONS.
- D. REMOVE WALLS, CEILINGS, FLOOR FINISHES, WALL FINISHES, AND OTHER MATERIAL OR COMPONENTS ONLY AS REQUIRED FOR INSTALLATION OF NEW WORK AND CONSISTENT WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS, ALTHOUGH SOME ITEMS MAY NOT BE SPECIFICALLY ADDRESSED.
- E. WHERE NEW FINISHES ARE INDICATED ON REMAINING EXISTING STRUCTURE, REMOVE EXISTING FINISHES AS REQUIRED TO ALLOW FOR NEW FINISHES. PREPARE ALL SURFACES TO RECEIVE NEW WORK.
- F. SEE PLUMBING DRAWINGS FOR PLUMBING DEMOLITION.
- G. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION.
- H. SEE MECHANICAL DRAWINGS FOR MECHANICAL DEMOLITION.
- I. PATCH, REPAIR AND PREP ALL WALLS AS NECESSARY THAT ARE TO RECEIVE NEW FINISHES. REFER TO FLOOR PLAN FOR ADDITIONAL INFORMATION.
- J. REMOVE ALL WALL BASE FROM WALLS IN AREAS OF WORK WHERE FLOORING IS REMOVED.
- K. PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION: FIXTURES, WALLS, CASEWORK, EQUIPMENT, AND DEVICES.

NOTES THIS DRAWING:

- 1. REMOVE EXISTING WALL PARTITION.
- 2. REMOVE EXISTING LIMESTONE, CMU, AND ASSOCIATED CONNECTING CLIPS. SALVAGE LIMESTONE PANELS, REFER TO FLOOR PLANS FOR NEW LOCATION.
- 3. REMOVE EXTENDABLE WALL AND ALL ASSOCIATED HARDWARE.
- 4. REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE.
- 5. REMOVE EXISTING ALUMINUM STOREFRONT AND ALL ASSOCIATED HARDWARE.
- 6. REMOVE EXISTING CASEWORK/SHELVING.
- 7. REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. REFER TO PLUMBING DRAWINGS FOR DETAILS.



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**FIRST FLOOR
DEMOLITION PLAN**

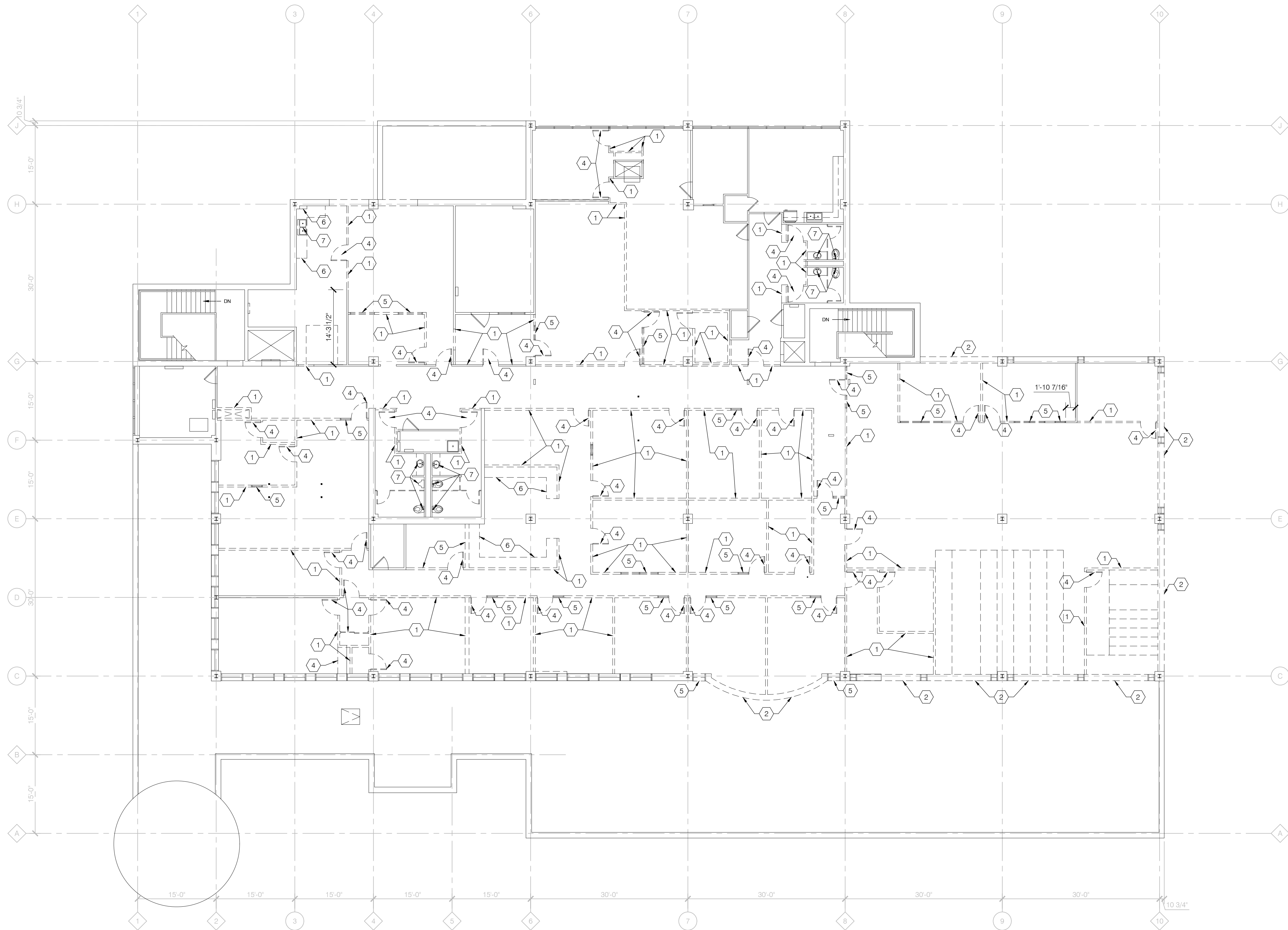
Drawn By: BBJ, TW
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D101

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GENERAL NOTES:

- REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- DASHED LINES INDICATE ITEMS TO BE REMOVED.
- DISPOSE OF ALL MATERIAL PROPERLY. SEE SPECIFICATIONS.
- REMOVE WALLS, CEILINGS, FLOOR FINISHES, WALL FINISHES, AND OTHER MATERIAL OR COMPONENTS ONLY AS REQUIRED FOR INSTALLATION OF NEW WORK AND CONSISTENT WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS, ALTHOUGH SOME ITEMS MAY NOT BE SPECIFICALLY ADDRESSED.
- WHERE NEW FINISHES ARE INDICATED ON REMAINING EXISTING STRUCTURE, REMOVE EXISTING FINISHES AS REQUIRED TO ALLOW FOR NEW FINISHES. PREPARE ALL SURFACES TO RECEIVE NEW WORK.
- SEE PLUMBING DRAWINGS FOR PLUMBING DEMOLITION.
- SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION.
- SEE MECHANICAL DRAWINGS FOR MECHANICAL DEMOLITION.
- PATCH, REPAIR AND PREP ALL WALLS AS NECESSARY THAT ARE TO RECEIVE NEW FINISHES. REFER TO FLOOR PLAN FOR ADDITIONAL INFORMATION.
- REMOVE ALL WALL BASE FROM WALLS IN AREAS OF WORK WHERE FLOORING IS REMOVED.
- PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION: FIXTURES, WALLS, CASEWORK, EQUIPMENT, AND DEVICES.

NOTES THIS DRAWING:

- REMOVE EXISTING WALL PARTITION.
- REMOVE EXISTING LIMESTONE, CMU, AND ASSOCIATED CONNECTING CLIPS. SALVAGE LIMESTONE PANELS. REFER TO FLOOR PLANS FOR NEW LOCATION.
- REMOVE EXTENDABLE WALL AND ALL ASSOCIATED HARDWARE.
- REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE.
- REMOVE EXISTING ALUMINUM STOREFRONT AND ALL ASSOCIATED HARDWARE.
- REMOVE EXISTING CASEWORK/SHELVING.
- REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. REFER TO PLUMBING DRAWINGS FOR DETAILS.



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SECOND FLOOR
DEMOLITION
PLAN

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

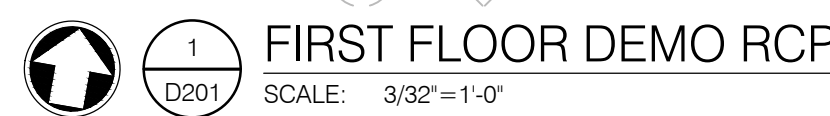
D102



1
D102

SECOND FLOOR DEMO PLAN

SCALE: 3/32"=1'-0"



- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- B. DASHED LINES INDICATE ITEMS TO BE REMOVED.
- C. DISPOSE OF ALL MATERIAL PROPERLY. SEE SPECIFICATIONS.
- D. REMOVE WALLS, CEILINGS, FLOOR FINISHES, WALL FINISHES, AND OTHER MATERIAL OR COMPONENTS ONLY AS REQUIRED FOR INSTALLATION OF NEW WORK AND CONSISTENT WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS; ALTHOUGH SOME ITEMS MAY NOT BE SPECIFICALLY ADDRESSED.
- E. WHERE NEW FINISHES ARE INDICATED ON REMAINING EXISTING STRUCTURE, REMOVE EXISTING FINISHES AS REQUIRED TO ALLOW FOR NEW FINISHES. PREPARE ALL SURFACES TO RECEIVE NEW WORK.
- F. SEE PLUMBING DRAWINGS FOR PLUMBING DEMOLITION.
- G. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION.
- H. SEE MECHANICAL DRAWINGS FOR MECHANICAL DEMOLITION.
- I. PATCH, REPAIR AND PREP ALL WALLS AS NECESSARY THAT ARE TO RECEIVE NEW FINISHES. REFER TO T001 FOR ADDITIONAL INFORMATION.
- J. REMOVE ALL WALL BASE FROM WALLS IN AREAS OF WORK WHERE FLOORING IS REMOVED.
- K. PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION: FIXTURES, WALLS, CASEWORK, EQUIPMENT, AND DEVICES.

1. REMOVE EXISTING ACT CEILING, GRID, LIGHT FIXTURES, AND ASSOCIATED WIRING. REMOVE LIGHTS AND WIRINGS PER ELECTRICAL DRAWINGS. REMOVE HVAC EQUIPMENT PER MECHANICAL DRAWINGS.
2. REMOVE EXISTING GYPSUM BOARD CEILING, LIGHT FIXTURES, AND ASSOCIATED WIRING. REMOVE LIGHTS AND WIRINGS PER ELECTRICAL DRAWINGS. REMOVE HVAC EQUIPMENT PER MECHANICAL DRAWINGS.
3. NO CEILING WORK IN THIS AREA. EXISTING TO REMAIN.



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FIRST FLOOR
DEMOLITION RCP

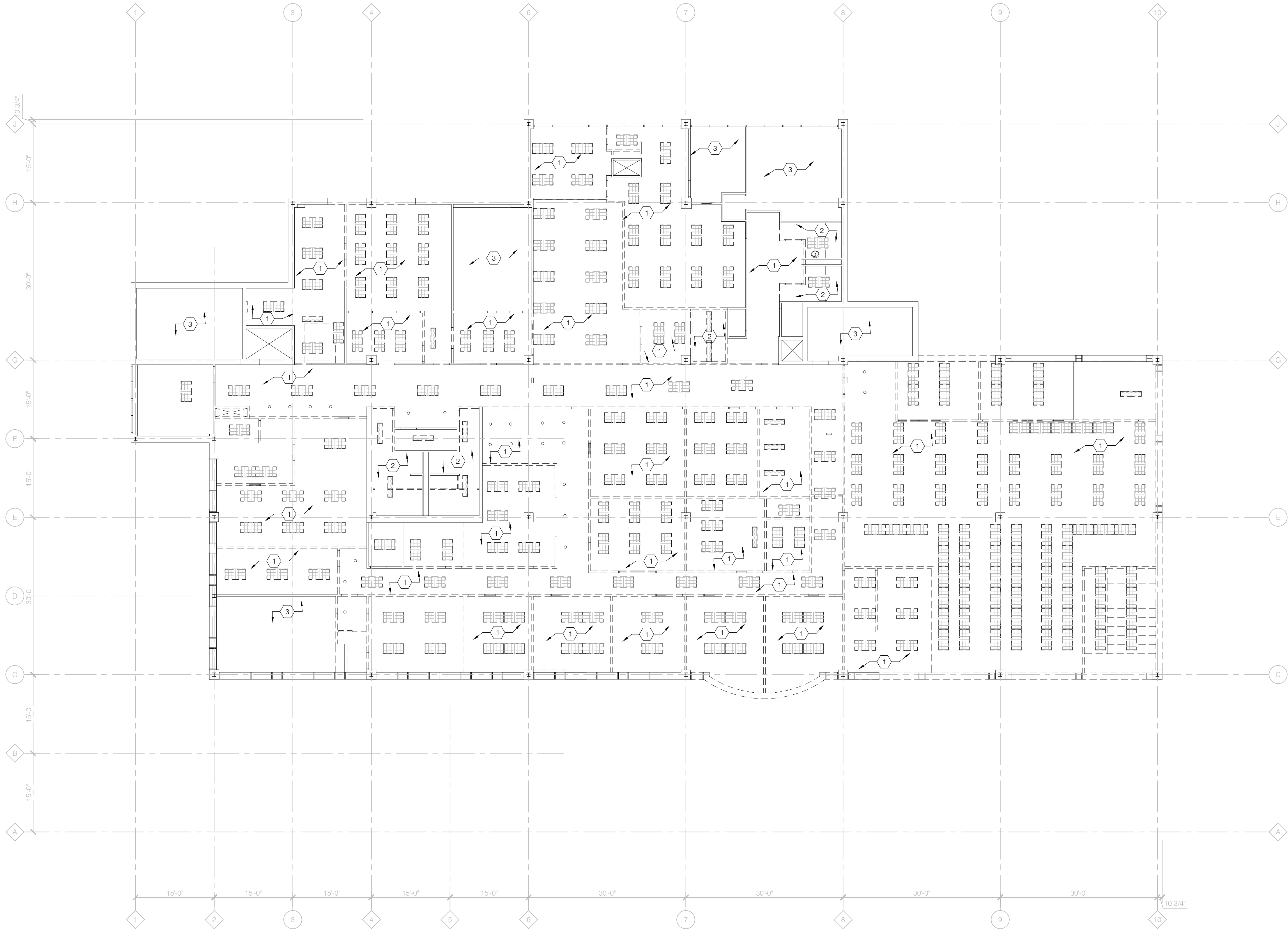
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D201

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Filename : 21-2113_D201.dwg Plot Date : Jan, 04, 2023 7:56am



1
D202

SECOND FLOOR DEMO RCP

SCALE: 3/32"=1'-0"

GENERAL NOTES:

- REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- DASHED LINES INDICATE ITEMS TO BE REMOVED.
- DISPOSE OF ALL MATERIAL PROPERLY. SEE SPECIFICATIONS.
- REMOVE WALLS, CEILINGS, FLOOR FINISHES, WALL FINISHES, AND OTHER MATERIAL OR COMPONENTS ONLY AS REQUIRED FOR INSTALLATION OF NEW WORK AND CONSISTENT WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS, ALTHOUGH SOME ITEMS MAY NOT BE SPECIFICALLY ADDRESSED.
- WHERE NEW FINISHES ARE INDICATED ON REMAINING EXISTING STRUCTURE, REMOVE EXISTING FINISHES AS REQUIRED TO ALLOW FOR NEW FINISHES. PREPARE ALL SURFACES TO RECEIVE NEW WORK.
- SEE PLUMBING DRAWINGS FOR PLUMBING DEMOLITION.
- SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION.
- SEE MECHANICAL DRAWINGS FOR MECHANICAL DEMOLITION.
- PATCH, REPAIR AND PREP ALL WALLS AS NECESSARY THAT ARE TO RECEIVE NEW FINISHES. REFER TO FLOOR PLAN FOR ADDITIONAL INFORMATION.
- REMOVE ALL WALL BASE FROM WALLS IN AREAS OF WORK WHERE FLOORING IS REMOVED.
- PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION: FIXTURES, WALLS, CASEWORK, EQUIPMENT, AND DEVICES.

NOTES THIS DRAWING:

- REMOVE EXISTING ACT CEILING, GRID, LIGHT FIXTURES, AND ASSOCIATED WIRING. REMOVE LIGHTS AND WIRINGS PER ELECTRICAL DRAWINGS. REMOVE HVAC EQUIPMENT PER MECHANICAL DRAWINGS.
- REMOVE EXISTING GYPSUM BOARD CEILING, LIGHT FIXTURES, AND ASSOCIATED WIRING. REMOVE LIGHTS AND WIRINGS PER ELECTRICAL DRAWINGS. REMOVE HVAC EQUIPMENT PER MECHANICAL DRAWINGS.
- NO CEILING WORK IN THIS AREA. EXISTING TO REMAIN.



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SECOND FLOOR
DEMOLITION RCP

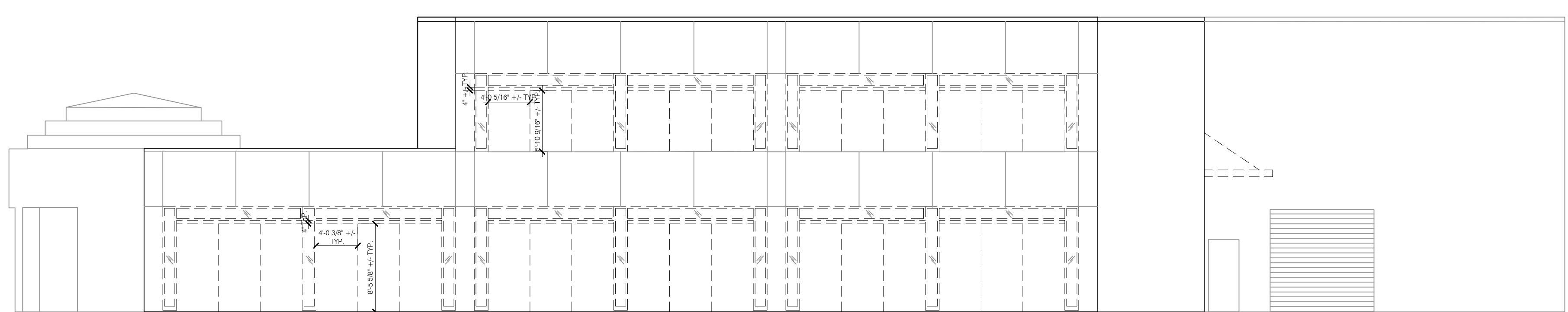
Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

D202

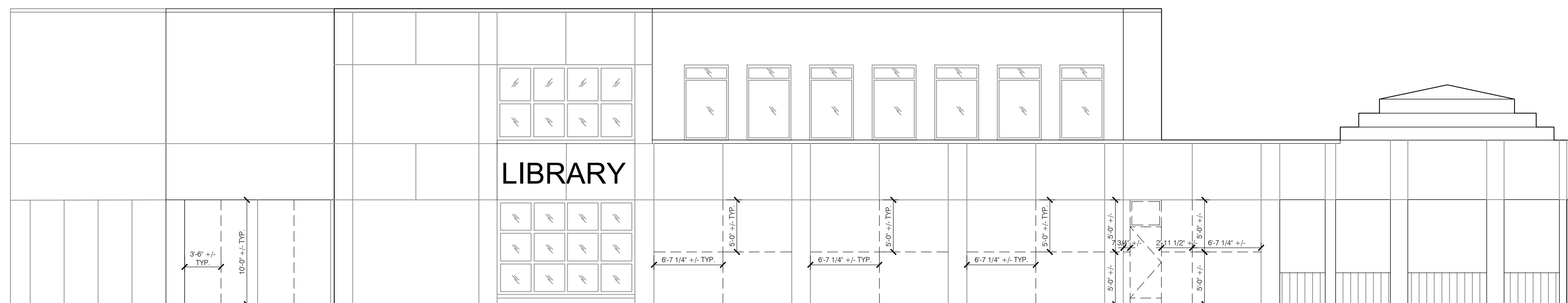
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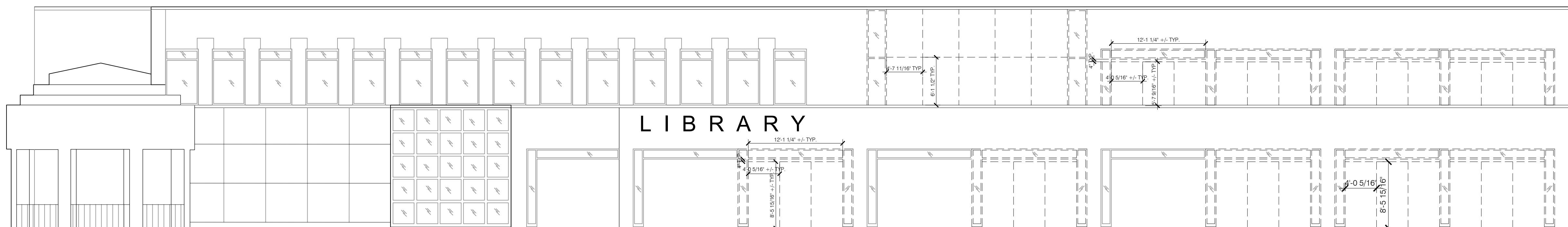
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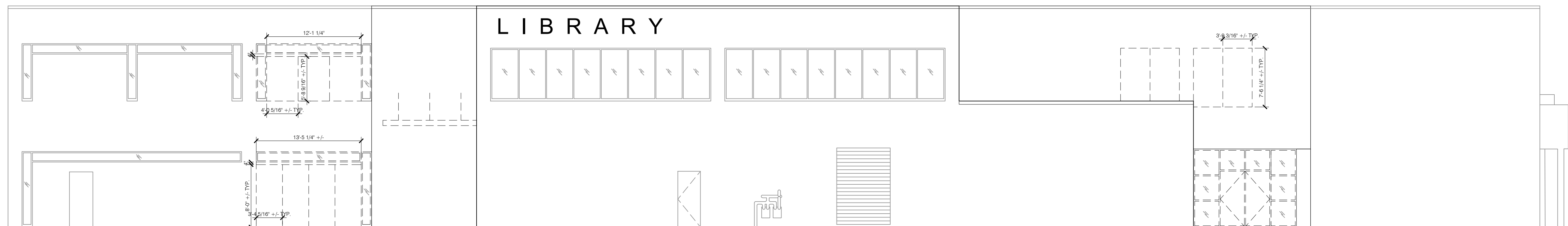
4 EAST ELEVATION
A401 SCALE: 1/8"=1'-0"



3 WEST ELEVATION
A401 SCALE: 1/8"=1'-0"



2 SOUTH ELEVATION
A401 SCALE: 1/8"=1'-0"



1 NORTH ELEVATION
A401 SCALE: 1/8"=1'-0"

T/COPING
128' - 4"

SECOND FLOOR
114' - 0"

FIRST FLOOR
100' - 0"

T/COPING
128' - 4"

SECOND FLOOR
114' - 0"

FIRST FLOOR
100' - 0"

T/COPING
128' - 4"

SECOND FLOOR
114' - 0"

FIRST FLOOR
100' - 0"

T/COPING
128' - 4"

SECOND FLOOR
114' - 0"

FIRST FLOOR
100' - 0"

GENERAL NOTES:

- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
B. REFER TO A801 FOR STOREFRONT ELEVATION DIMENSIONS.

NOTES THIS DRAWING:

1. TO BE ISSUED IN ADDENDUM A



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EXTERIOR
ELEVATIONS

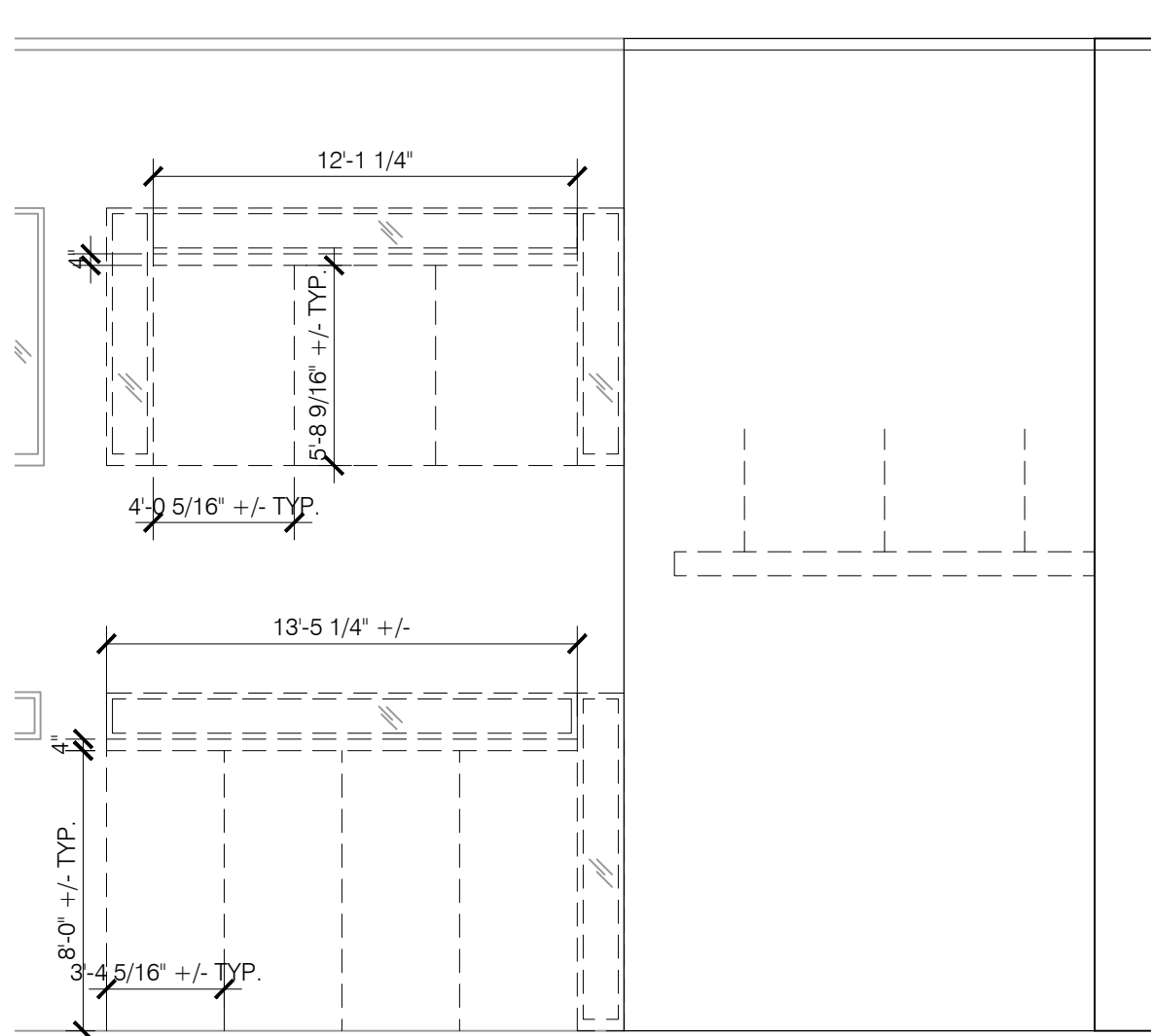
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Job No.: 21-2113

D401

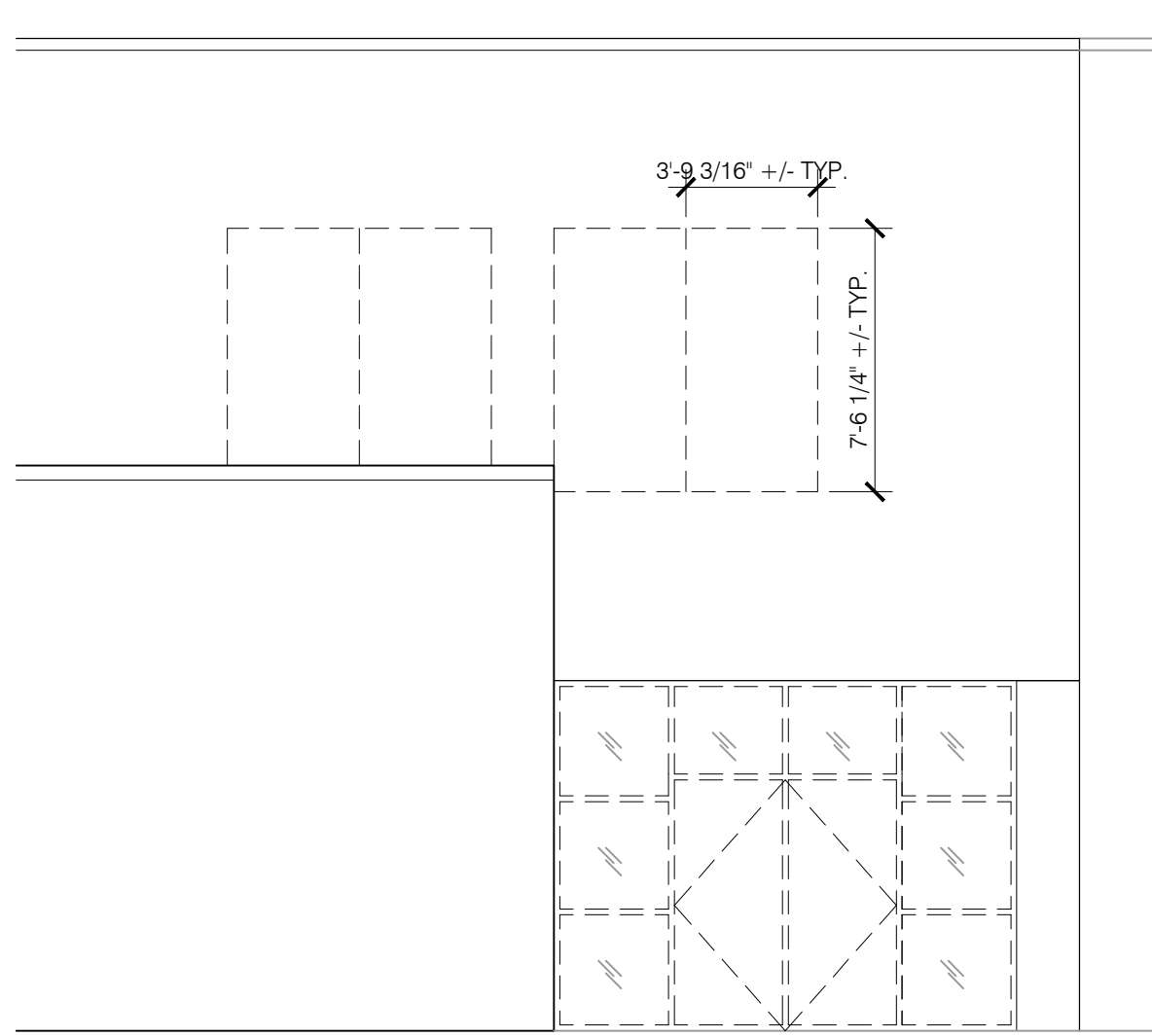
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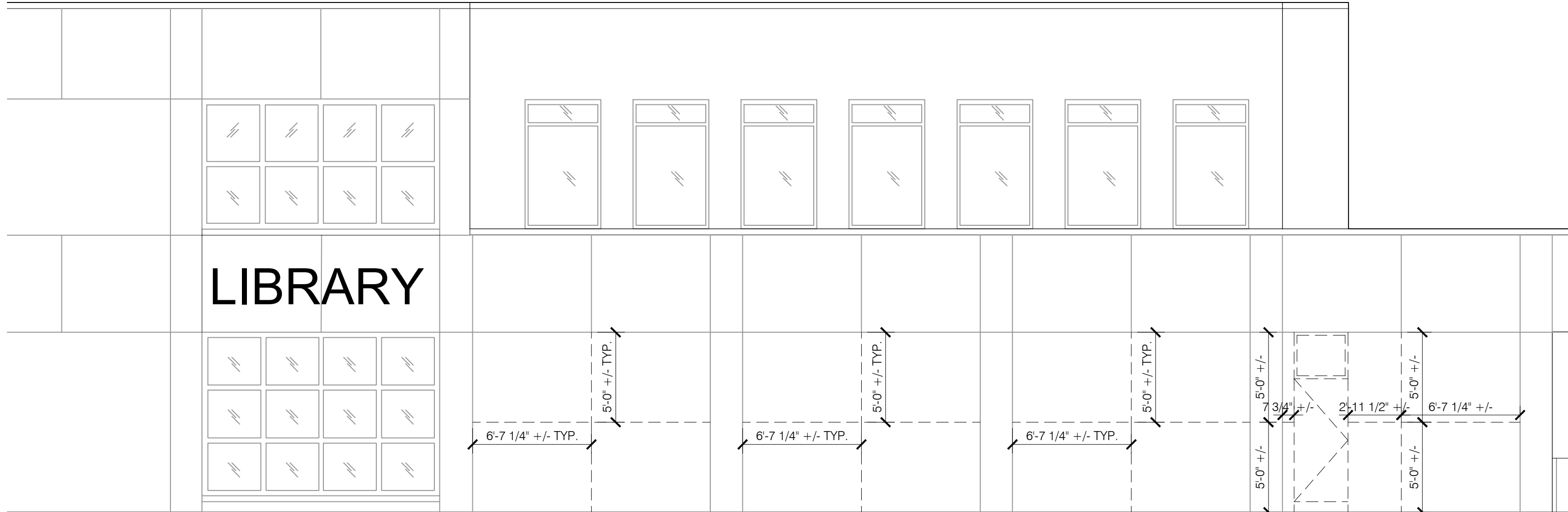
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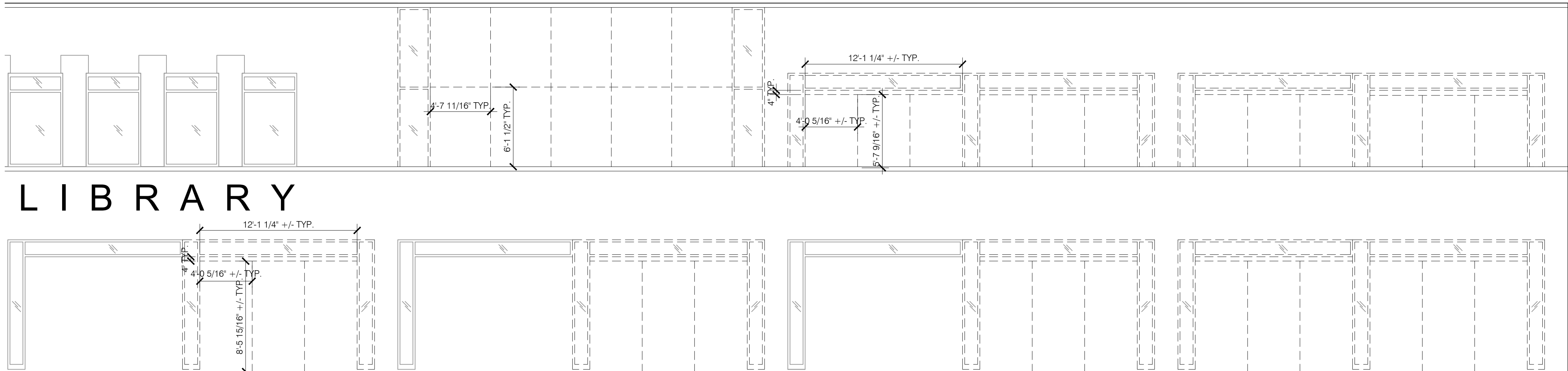
3 NORTH ELEVATION ENLARGED
D402 SCALE: 3/16"=1'-0"



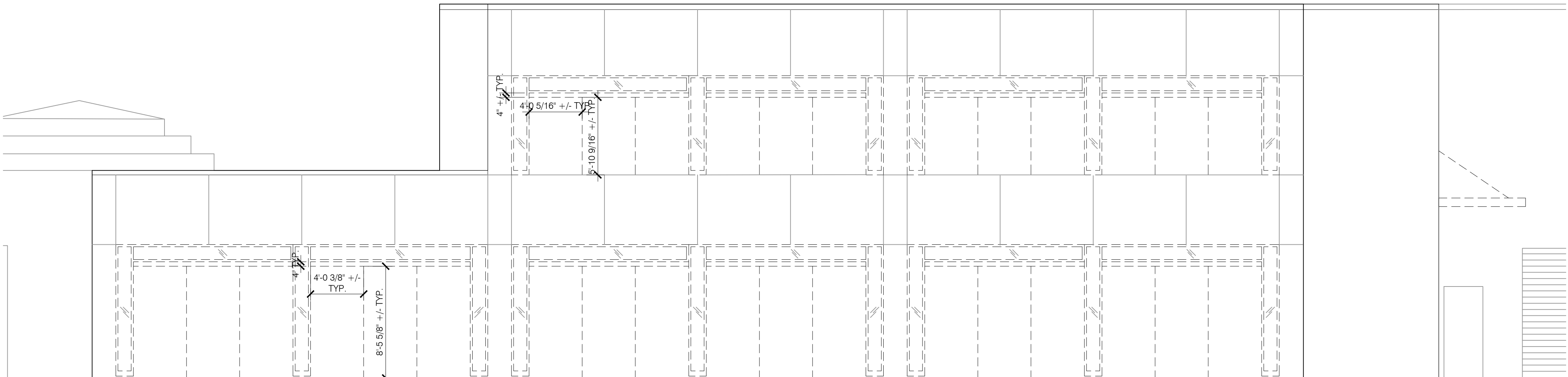
2 NORTH ELEVATION ENLARGED
D402 SCALE: 3/16"=1'-0"



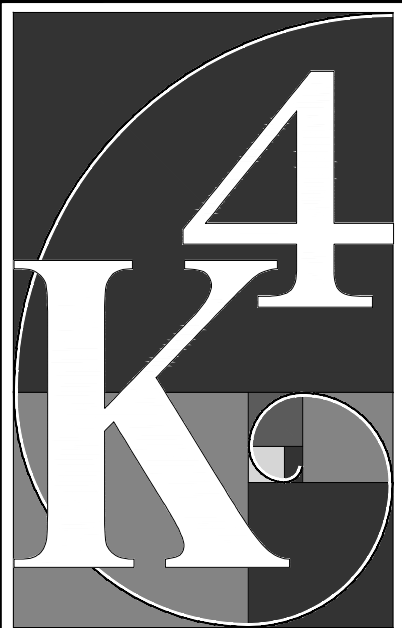
1 WEST ELEVATION ENLARGED
D402 SCALE: 3/16"=1'-0"



4 SOUTH ELEVATION ENLARGED
D402 SCALE: 3/16"=1'-0"



5 EAST ELEVATION ENLARGED
D402 SCALE: 3/16"=1'-0"



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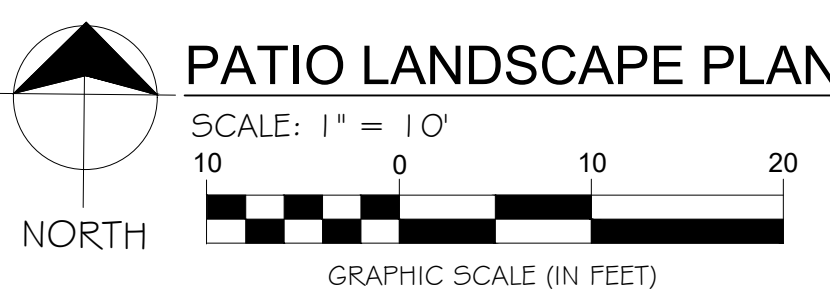
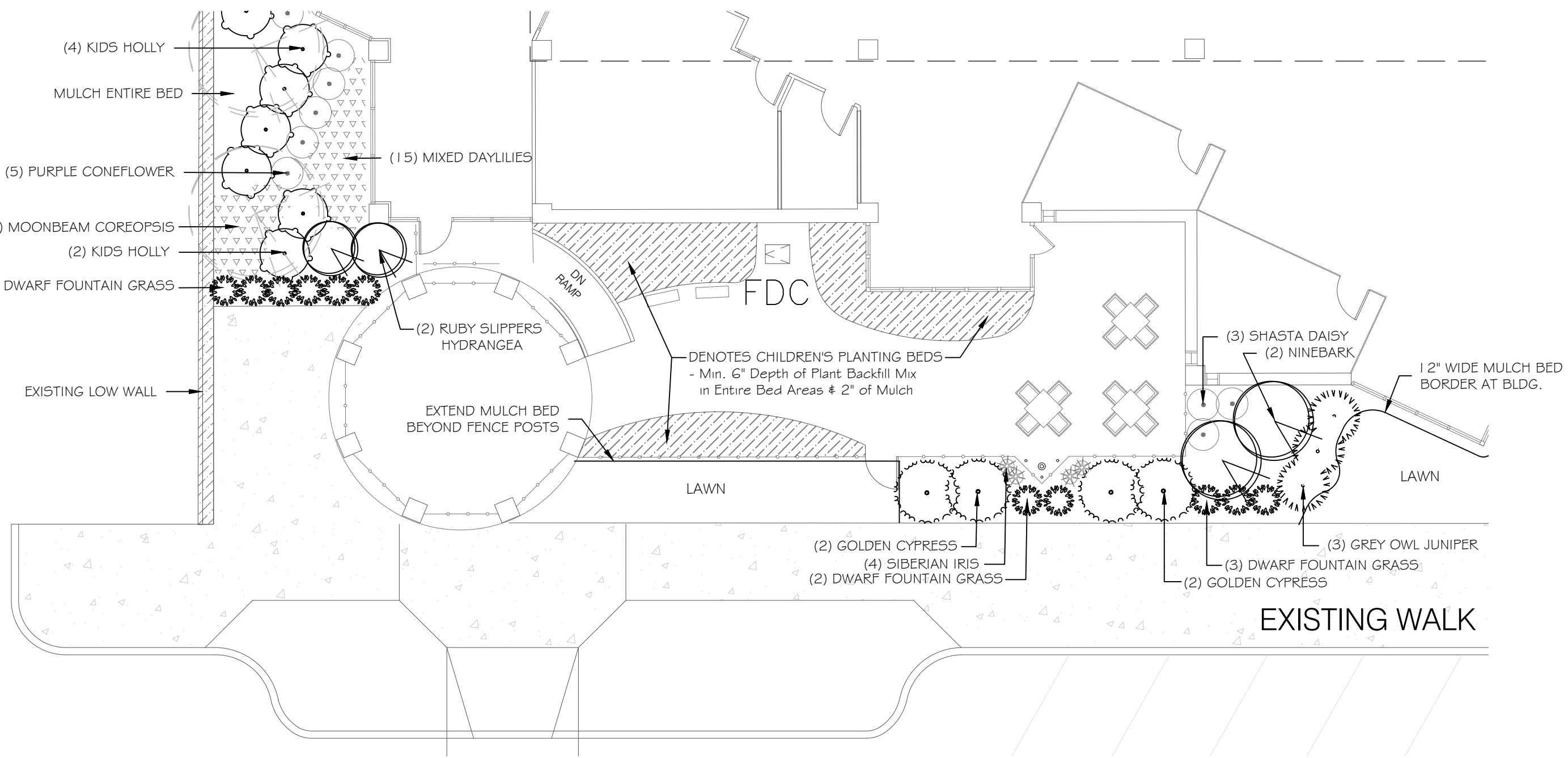
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DEMOLITION
ENLARGED
EXTERIOR
ELEVATIONS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

D402



GENERAL LANDSCAPE REQUIREMENTS

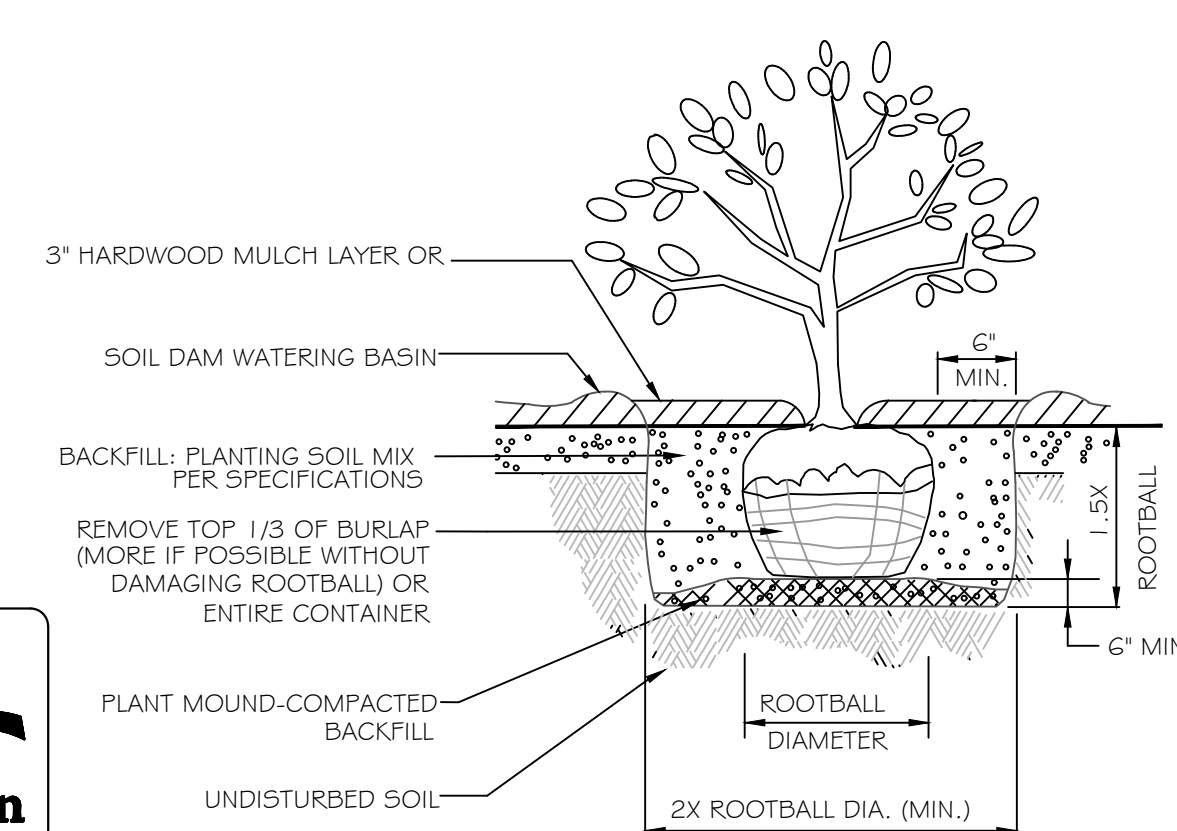
1. DIAMETERS OF PLANT MATERIALS AS DRAWN ARE REPRESENTATIVE OF PLANTS AT OR NEAR MATURITY RATHER THAN AT INITIAL PLANTING.
2. THE PLANT LIST IS INTENDED AS A GUIDE FOR THE LANDSCAPE CONTRACTOR. IN THE EVENT OF A DISCREPANCY BETWEEN THE NUMBER OF PLANT ON THE PLANT LIST AND ON THE DRAWING, THE GREATER NUMBER SHALL APPLY.
3. ADJUSTMENTS IN LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO NEW OR EXISTING UTILITIES OR SITE OBSTRUCTIONS. ADVISE PROJECT MANAGER BEFORE ADJUSTMENTS ARE MADE.
4. TREES AND SHRUBS SHALL BE NURSERY GROWN UNLESS OTHERWISE APPROVED AND BE HEALTHY AND VIGOROUS PLANTS, FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUN SCALD, INJURIES, ABRASIONS OF THE BARK, PLANT DISEASES, INSECT PEST EGGS, BORERS AND ALL FORMS OF INFESTATIONS OF OBJECTIONABLE DISFIGUREMENTS. PLANTS SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS AND CONFORM IN GENERAL TO REPRESENTATIVE SPECIES.
5. BALLED AND BURLAPPED OR CONTAINER TREES AND SHRUBS SHOULD BE DUG WITH FIRM, NATURAL BALLS OF EARTH OF ADEQUATE SIZE AS SPECIFIED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, "AMERICAN STANDARD FOR NURSERY STOCK" WITH THE BALLS SECURELY WRAPPED.
6. ALL SHRUBS OCCURRING IN A CONTINUOUS ROW OR FORMAL ARRANGEMENT SHALL HAVE UNIFORM HEIGHT, SPREAD AND HABIT OF GROWTH.
7. A MINIMUM OF 6" DEPTH OF NEW TOPSOIL SHALL BE PLACED IN ALL BED AREA BY THE LANDSCAPE CONTRACTOR PRIOR TO PLANT INSTALLATION. BACKFILL ALL SHRUBS & TREES WITH ONE PART COMPOST TO THREE PARTS TOPSOIL.
8. MULCH TREES AND SHRUBS WITH A MIN. 3" DEPTH OF SHREDDED HARDWOOD MULCH. MULCH SHALL EXTEND IN A CONTINUOUS LAYER WITH THE PLANTING BEDS FROM FACE TO FACE OF SITE STRUCTURE - WALKS, CURBS, BUILDING OR OTHER PLANT BED LIMITS. KEEP MULCH A MIN. OF 1/2" BELOW ADJACENT PAVED SURFACES.
9. SEED OR SOD ALL LAWN DISTURBED AREAS WITHIN THE PROJECT LIMITS AS NOTED ON THE CIVIL DRAWINGS; INCLUDING OUT TO PAVEMENT EDGES. REFER TO CIVIL DRAWINGS AND VERIFY EXTENT OF LAWN WORK WITH THE PROJECT MANAGER.
10. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL PLANTS AND BEDS FOR A MIN. OF 30 DAYS AFTER ACCEPTANCE OF THE WORK BY THE ARCHITECT'S REPRESENTATIVE. THIS INCLUDES REGULAR WATERING, WEEDING AND MOWING.
11. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE-YEAR FROM THE DATE OF ACCEPTANCE. PRIOR TO THE END OF THE WARRANTY PERIOD THE LANDSCAPE CONTRACTOR SHALL REPLACE ALL TREES, SHRUBS OR OTHER PLANTINGS NOT ALIVE OR IN A HEALTHY GROWING CONDITION.

PLANT MATERIALS LIST

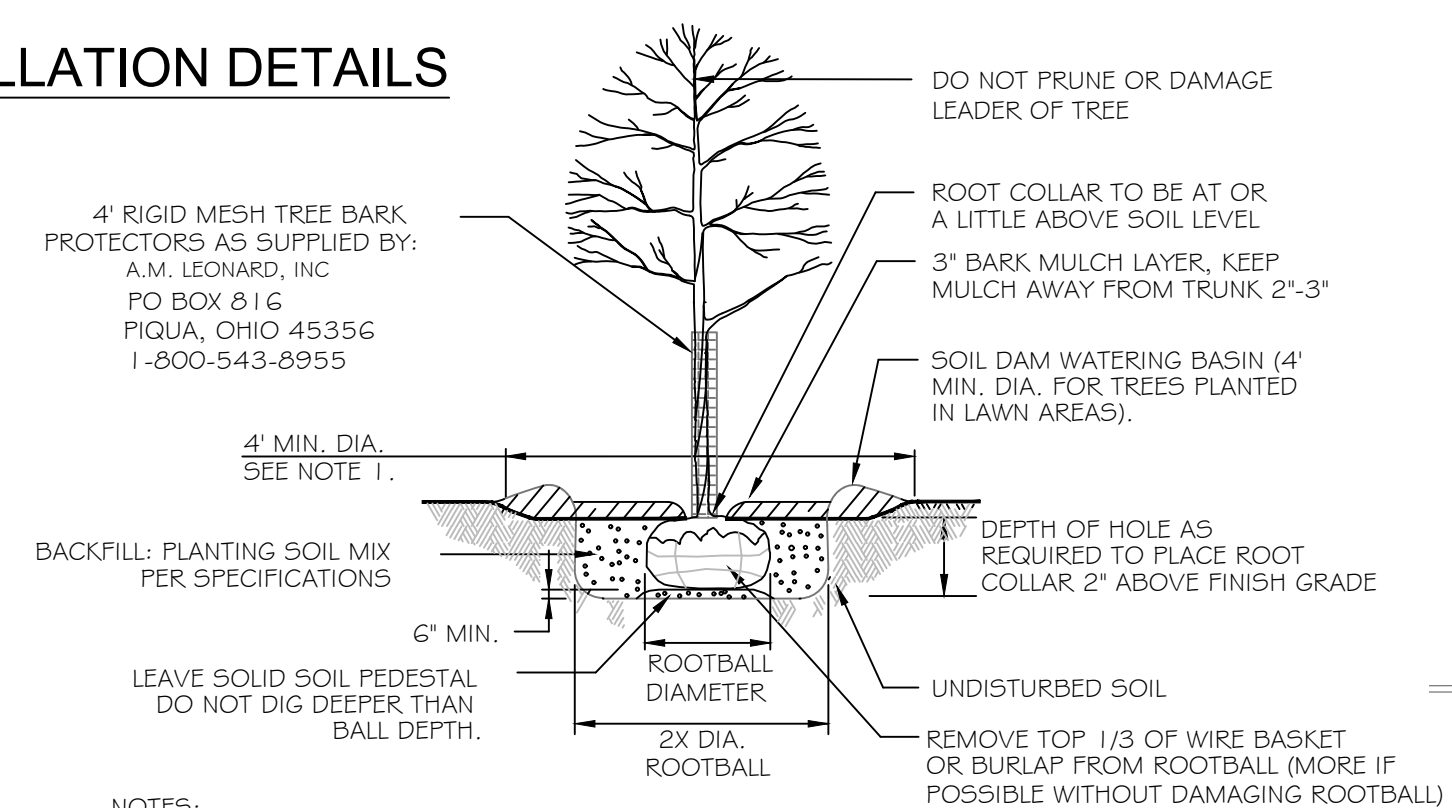
QTY.	PLANT NAME	MIN. INSTALLED SIZE
TREES		
9	ARMSTRONG GOLD MAPLE - <i>Acer rubrum</i> ** 'JFS-KW78'	1-1/2" cal., B/B 5' Clear Trunk
7	STATE STREET MAPLE - <i>Acer nyasae</i> 'Morton'	1-1/2" cal., B/B 5' Clear Trunk
3	VALLEY FORGE ELM - <i>Ulmus americana</i> ** 'Valley Forge'	1-1/2" cal., B/B 5' Clear Trunk
EVERGREEN SHRUBS		
22	KIDS HOLLY - <i>Ilex x meserveae</i> 'Blue Girl' & 'Blue Boy' Combination	# 3 cont.
12	GOLDEN CYPRESS - <i>Chamaecyparis pisifera</i> 'Golden Mop'	# 3 cont.
26	GREY OWL JUNIPER - <i>Juniperus virginiana</i> 'Grey Owl'	# 3 cont.
SHRUBS & GRASSES		
4	RUBY SLIPPERS HYDRANGEA - <i>Hydrangea quercifolia</i> ** 'Ruby Slippers'	# 3 cont.
16	NINEBARK - <i>Physocarpus opulifolius</i> ** 'Monlo'	# 5 cont.
33	DWARF FOUNTAIN GRASS - <i>Pennisetum alopecuroides</i> 'Hameln'	# 2 cont.
PERENNIALS		
20	MOONBEAM COREOPSIS - <i>Coreopsis vert.</i> ** 'Moonbeam'	# 1 cont.
84	MIXED DAYLILIES - <i>Hemerocallis x (various colors)</i>	8" pot
4	SIBERIAN IRIS - <i>Iris sibirica</i> 'Caesar's Brother'	# 1 cont.
3	SHASTA DAISY - <i>Leucanthemum</i> ** x <i>superbum</i>	# 2 cont.
25	PURPLE CONEFLOWER - <i>Echinacea purpurea</i> ** 'Magnus'	# 2 cont.
4	AUTUMN JOY SEDUM - <i>Sedum spectabile</i> 'Autumn Joy'	# 1 cont.

** DENOTES OHIO NATIVE PLANTS

PLANT INSTALLATION DETAILS

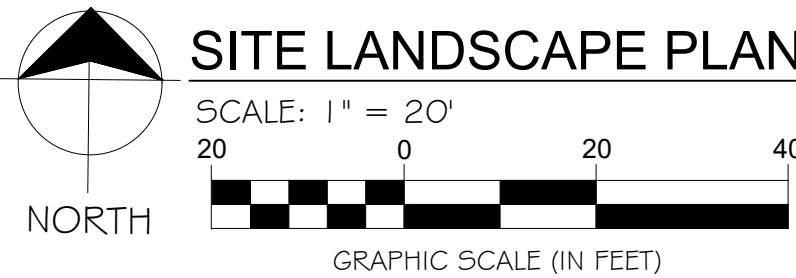
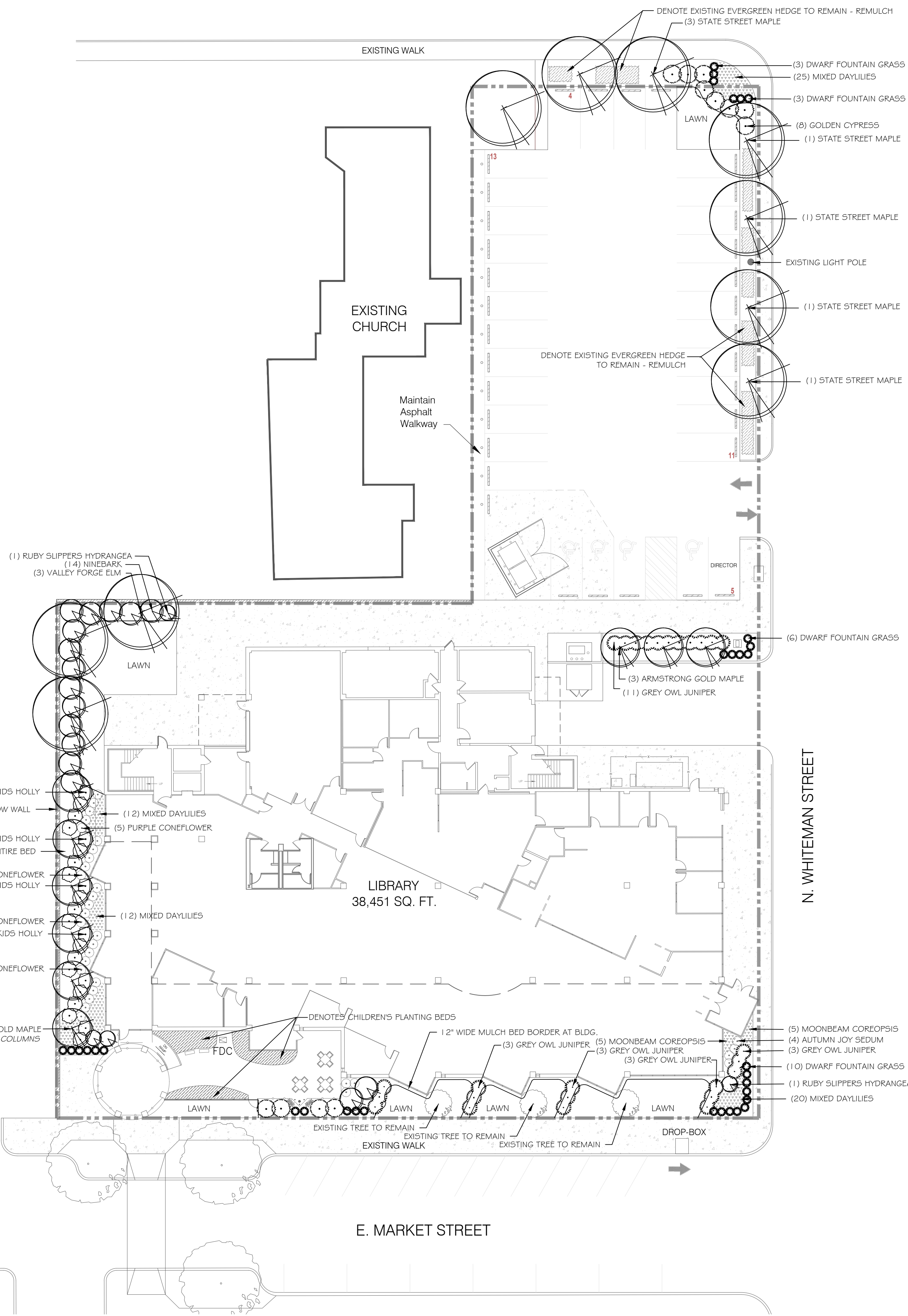


SHRUB PLANTING DETAIL
NTS



SHADE TREE PLANTING DETAIL
NTS

- NOTES:
1. INDIVIDUAL TREES IN LAWN AREAS SHALL RECEIVE A 4' MINIMUM DIAMETER MULCHED CIRCLE
 2. STAKE AND WRAP ONLY IF NECESSARY AND REMOVE AS SOON AS ROOTS ARE ESTABLISHED (USUALLY ONE YEAR).



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STATE OF OHIO
ROGER E. BEAL
443
REGISTERED LANDSCAPE ARCHITECT
NAME: ROGER E. BEAL
REGISTRATION NO.: LA 8100433

COMPLETE RENOVATION/MECHANICAL UPGRADES:
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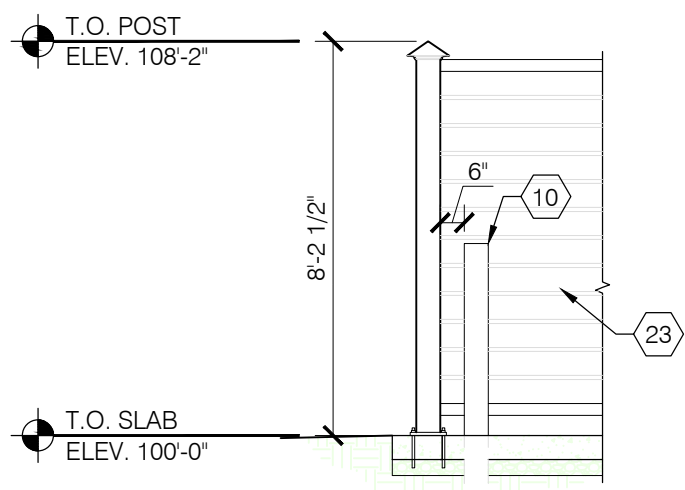
SITE LANDSCAPE PLAN
Drawn By: reb
Scale: AS NOTED
Job No.: 21-2113
L-001

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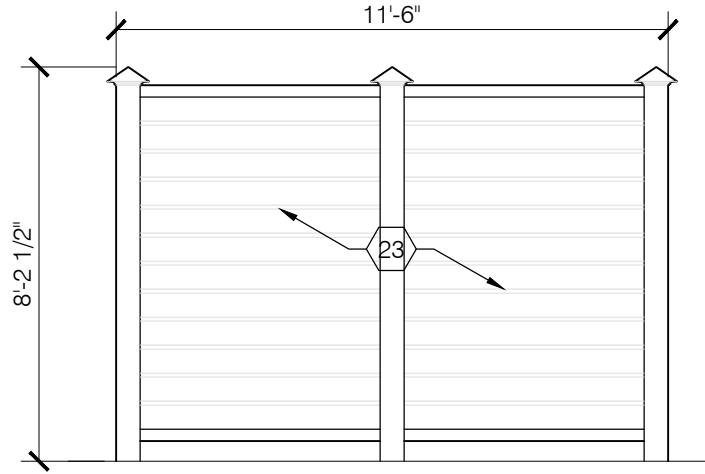
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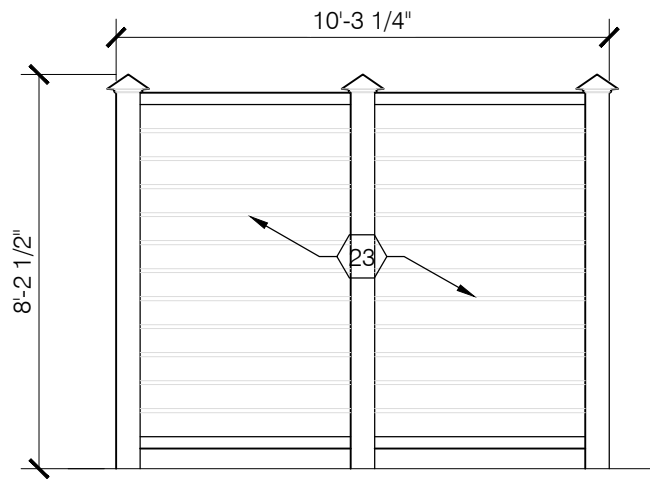
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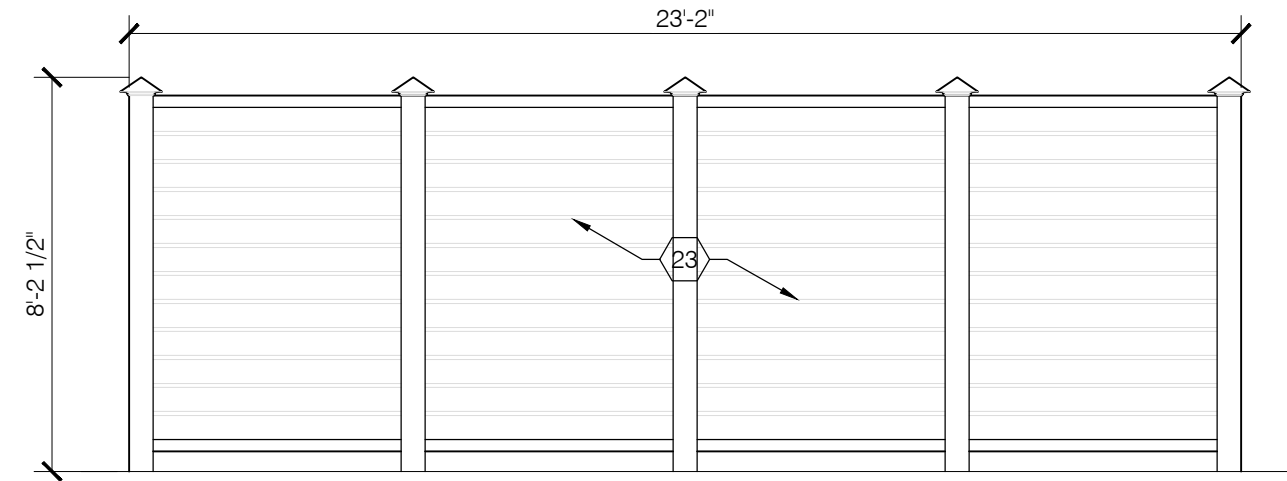
DUMPSTER ENCLOSURE SECTION
SCALE: 1/4" = 1'-0"



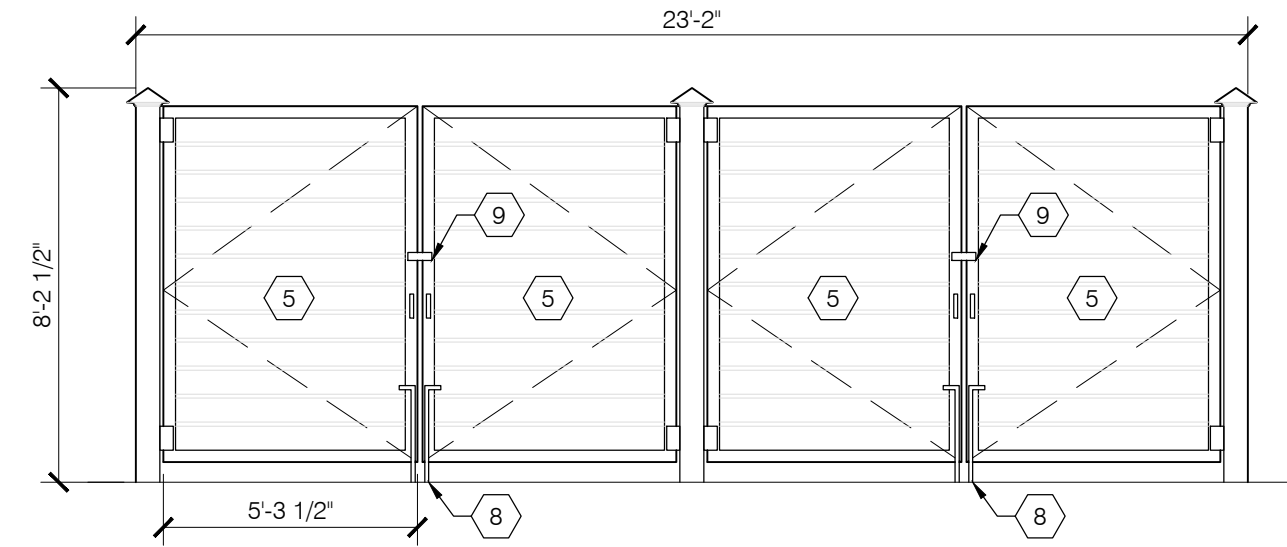
DUMPSTER ENCLOSURE SIDE ELEVATION
SCALE: 1/4" = 1'-0"



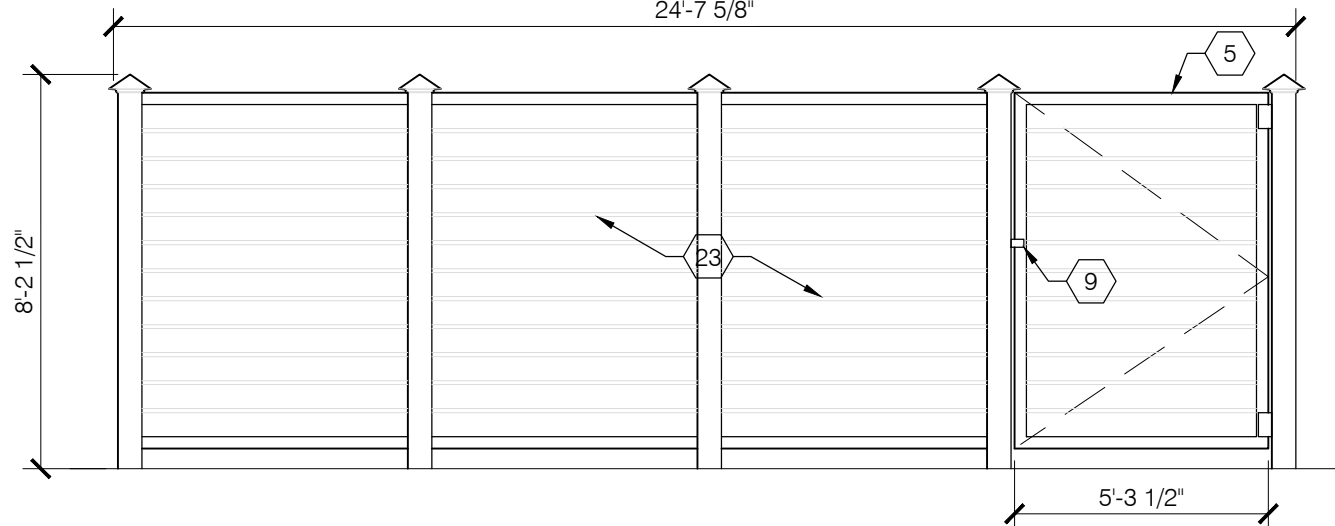
MECHANICAL ENCLOSURE SIDE ELEVATION
SCALE: 1/4" = 1'-0"



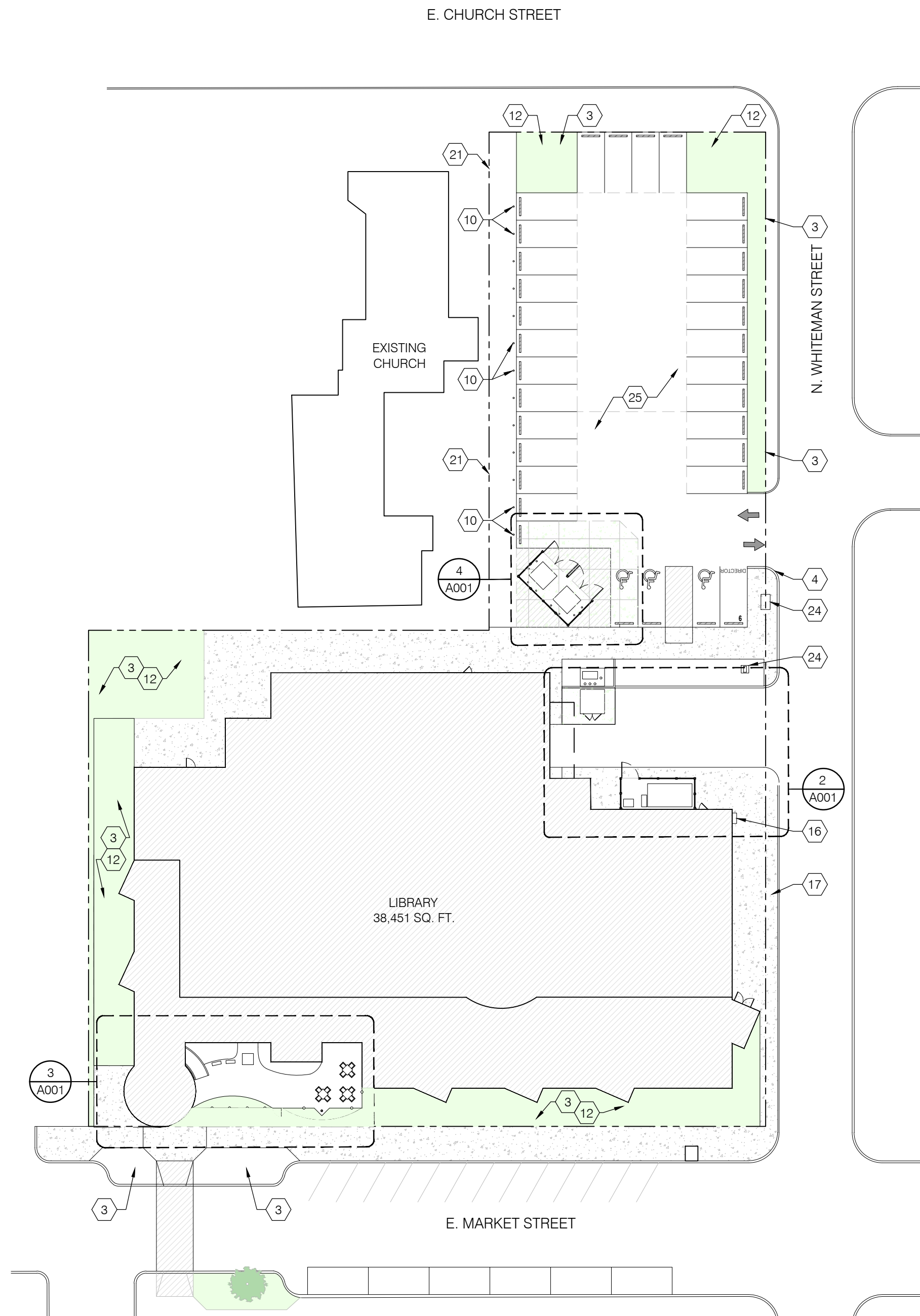
DUMPSTER ENCLOSURE REAR ELEVATION
SCALE: 1/4" = 1'-0"



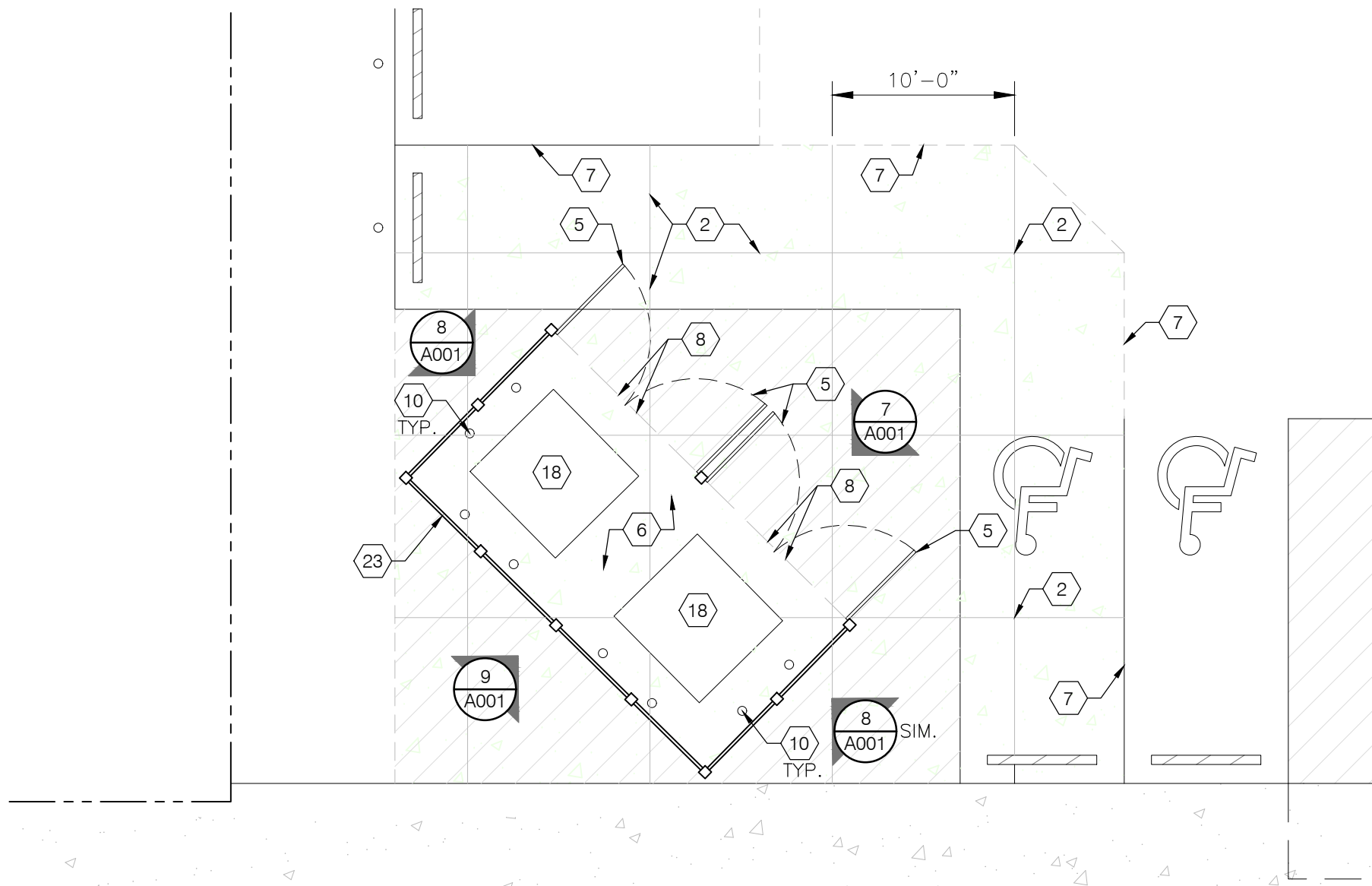
DUMPSTER ENCLOSURE FRONT ELEVATION
SCALE: 1/4" = 1'-0"



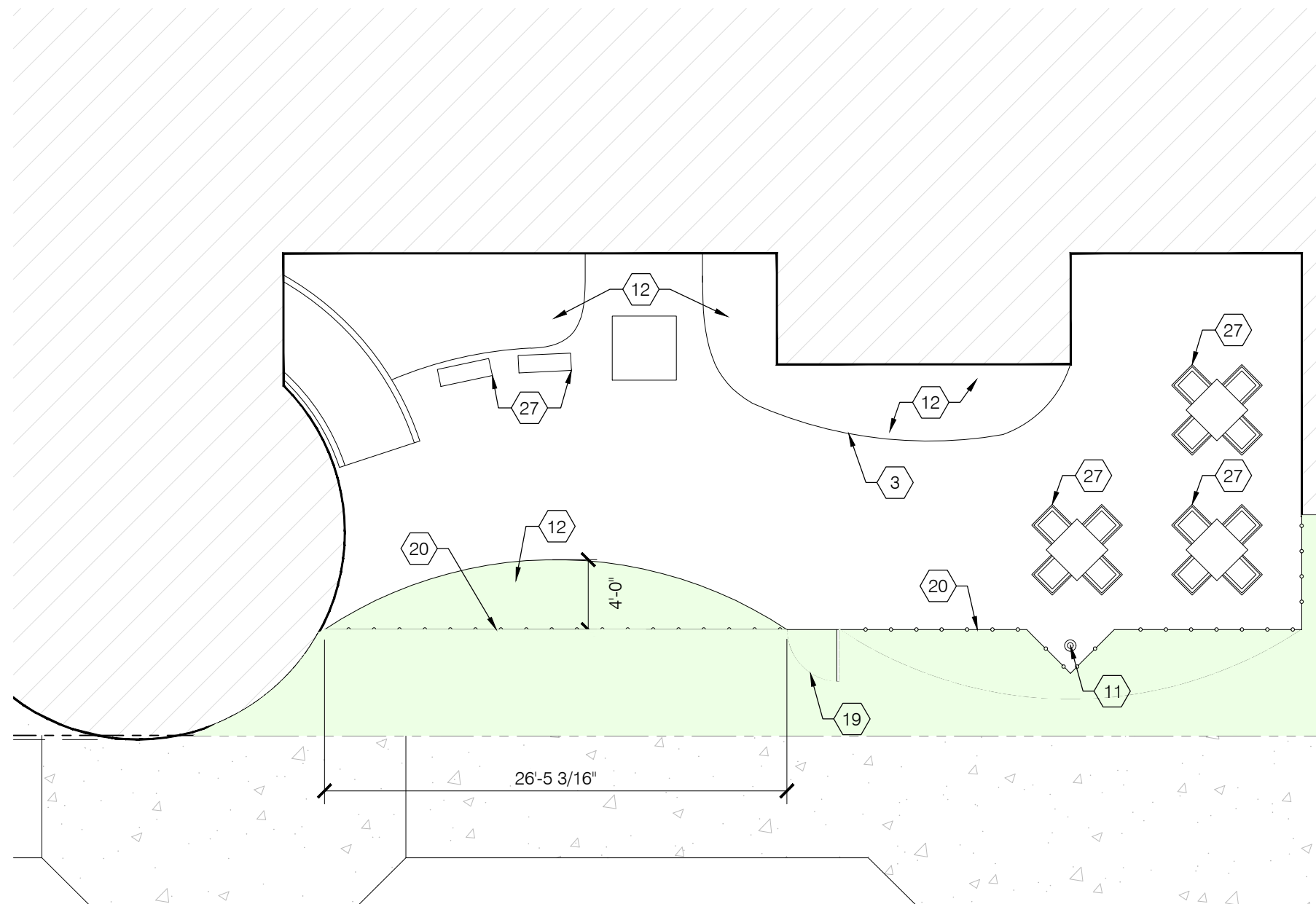
MECHANICAL ENCLOSURE FRONT ELEVATION
SCALE: 1/4" = 1'-0"



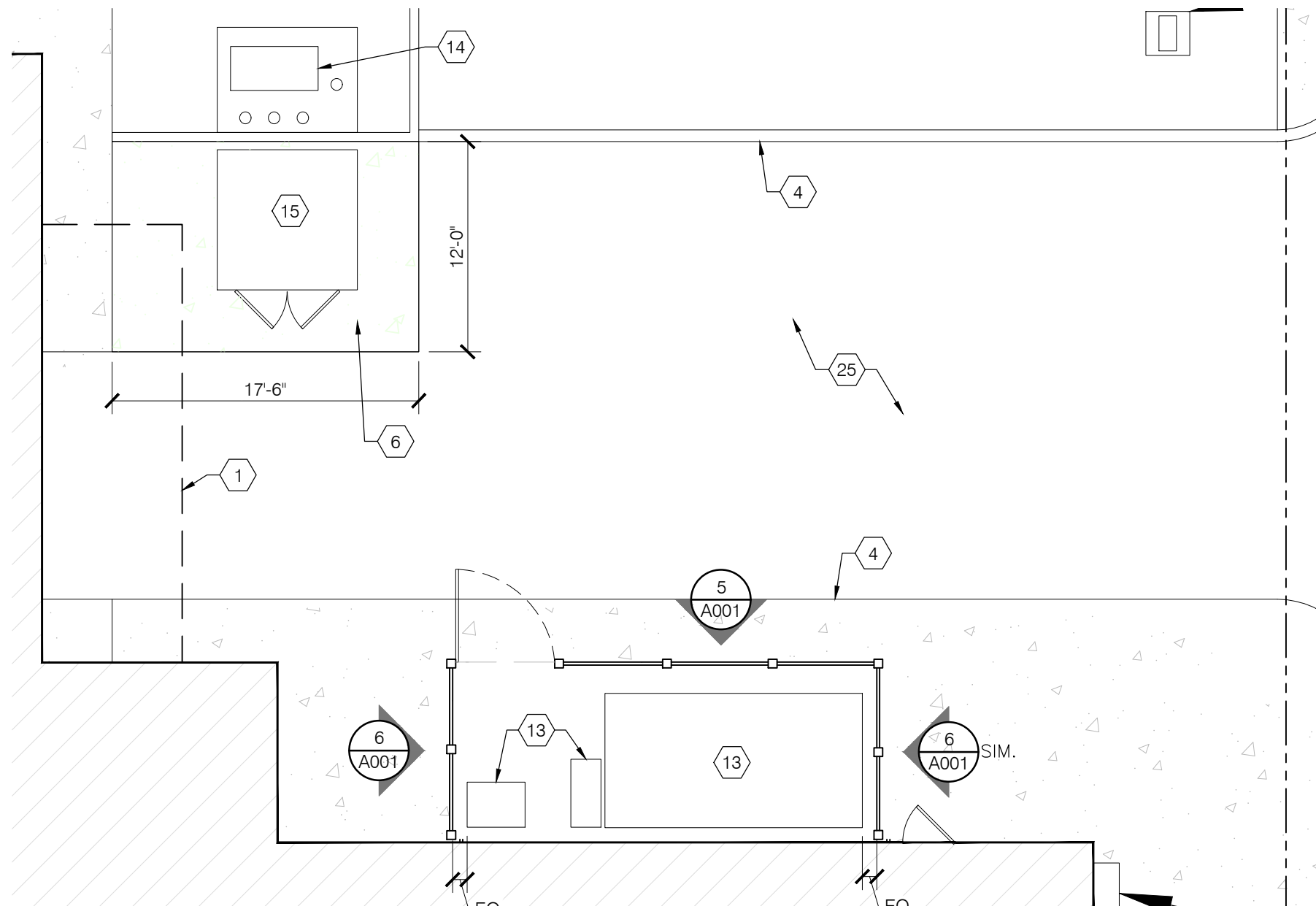
ARCHITECTURAL SITE PLAN
SCALE: 1/32" = 1'-0"



ENLARGED DUMPSTER PLAN
SCALE: 1/8" = 1'-0"



ENLARGED PATIO PLAN
SCALE: 1/8" = 1'-0"



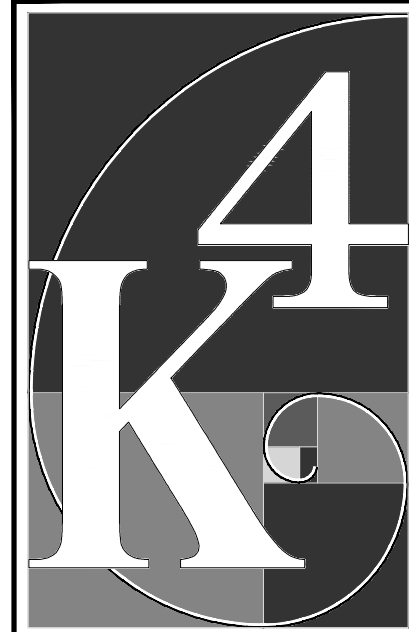
ENLARGED PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- THE ELEVATION OF EXTERIOR LANDINGS AT EXTERIOR DOOR ENTRANCE / EXIT SHALL START AT THE SAME ELEVATION AS FINISH FLOOR. SLOPE AWAY FROM DOORS; SLOPE SHALL BE NO MORE THAN ONE UNIT IN FIFTY OR 2% SLOPE.
- REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
- FINAL GRADING TO BE INCLUDED IN BASE BID, NOT A PORTION OF LANDSCAPING/IRRIGATION ALLOWANCE. SEE SPECIFICATIONS.

NOTES THIS DRAWING:

- OUTLINE OF CANOPY ABOVE.
- SAWCUT CONTROL JOINTS ARE DIMENSIONED TO APPROXIMATE LOCATIONS. FIELD VERIFY ALIGNMENT WITH AS BUILT BUILDING ELEMENTS AND CONFIRM WITH ARCHITECT PRIOR TO CUTTING CONTROL JOINT.
- SEED AND STRAW ALL DISTURBED AND NEW GRASS AREAS.
- CONCRETE CURB. SEE CIVIL DRAWINGS.
- HEAVY DUTY COMPOSITE DOORS WITH HINGES, FLUSH BOLTS AND GATE LOCK. COLOR TO BE SELECTED BY ARCHITECT. CONCEALED FASTENERS ON PAINTED METAL FRAME.
- CONCRETE PAD. RE: CIVIL DRAWINGS FOR ADDITIONAL DETAIL.
- CONCRETE EXPANSION JOINT.
- CANE LATCHES WITH HEADERS SET IN SLAB.
- LOCKABLE GATE LATCH TO BE PROVIDED AND INSTALLED BY GC. LOCK TO BE PROVIDED BY OWNER.
- 6" PIPE BOLLARD, 4'-0" EXPOSED LENGTH, PAINTED, 18" DIA. FOOTING.
- 25'-0" ALUMINUM FLAGPOLE WITH INTERNAL ROPE W/ CLAM CLEAT INSTALLED PER MANUFACTURER'S SPECIFICATIONS. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- LANDSCAPING AREA. REFER TO L001.
- EXISTING MECHANICAL TO REMAIN.
- EXISTING TRANSFORMER TO REMAIN.
- RELOCATED STORAGE SHED.
- NEW WALK UP BOOK DROP.
- WIDENED SIDEWALK. RE: CIVIL DRAWINGS FOR ADDITIONAL DETAIL.
- RELOCATED DUMPSTERS.
- METAL GATE TO MATCH EXISTING HEIGHT AND FINISH. RE: A801 FOR KEYING INFORMATION.
- METAL FENCE TO MATCH EXISTING HEIGHT AND FINISH.
- ASPHALT WALKWAY TO REMAIN.
- EXISTING BOOK DROP TO REMAIN.
- MODULAR DUMPSTER ENCLOSURE. RE: SPECIFICATIONS FOR ADDITIONAL DETAILS.
- EXISTING ELECTRICAL TO REMAIN.
- ASPHALT DRIVE. RE: CIVIL FOR ADDITIONAL INFORMATION.
- EXISTING WATER SERVICE HATCH TO REMAIN.
- RELOCATED PATIO FURNITURE.



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SITE PLAN

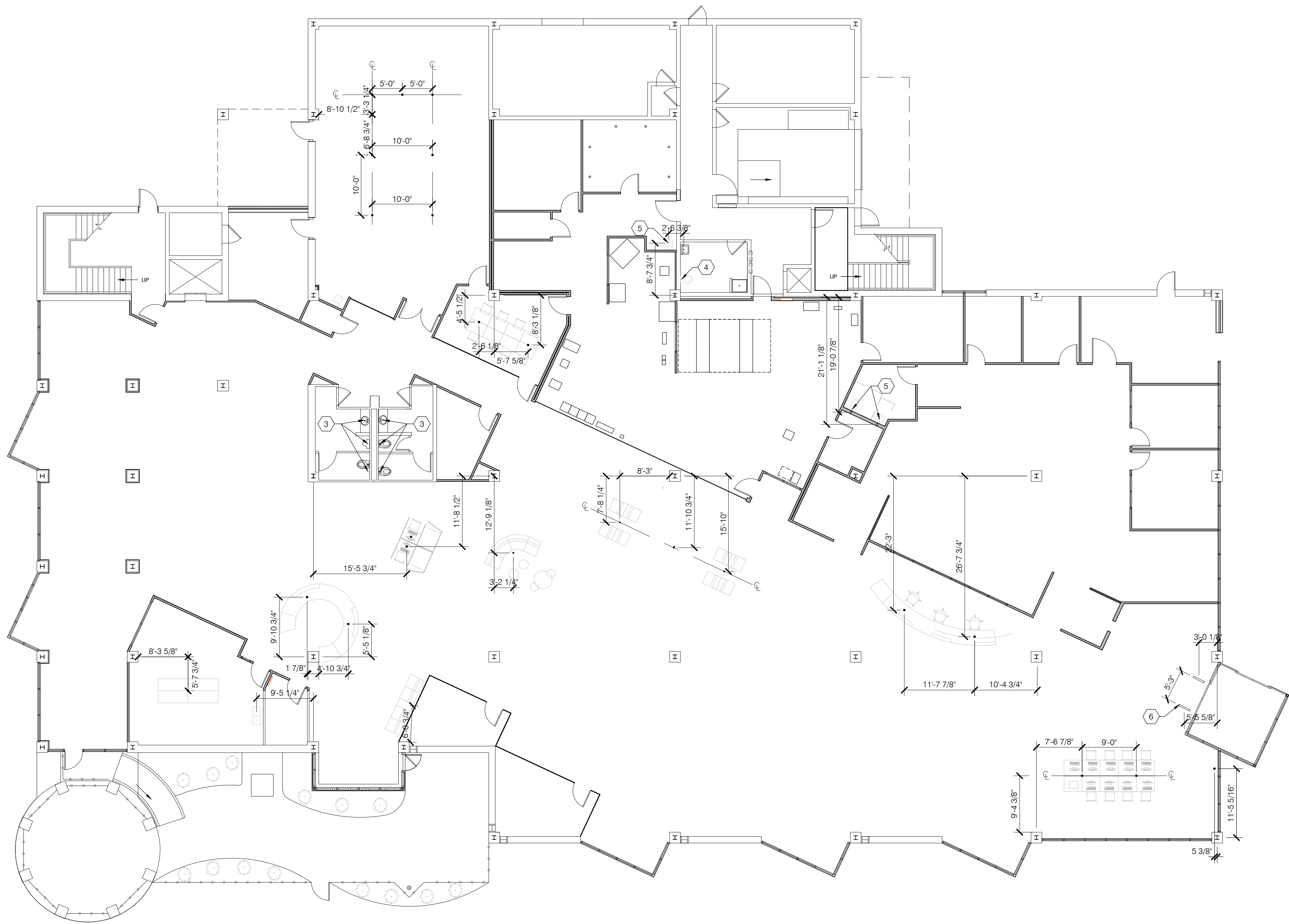
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A001

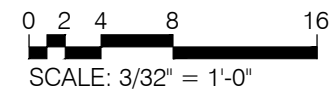
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Filename : 21-2113 A011.dwg Plot Date : Jan 04, 2023 5:45am



1 FIRST FLOOR ROUGH-IN PLAN
SCALE: 3/32" = 1'-0"

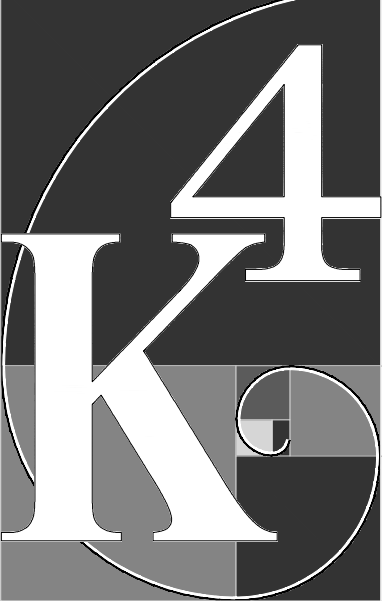


GENERAL NOTES:

- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- B. ALL DIMENSIONS ARE TO AND FROM FACE OF MASONRY, POURED CONCRETE, OR WOOD/METAL STUDS UNLESS NOTED OTHERWISE.
- C. COORDINATE FLOOR BOX LOCATIONS WITH FURNITURE INSTALLERS.
- D. COORDINATE WORK WITH FLOOR PLANS AND MEP DRAWINGS.

NOTES THIS DRAWING:

- 1. FLOOR BOX FOR POWER/DATA, REFER TO ELECTRICAL DRAWINGS.
- 2. DRAWINGS. CENTER IN BOX SHOWN ON PLAN.
- 3. EXISTING PLUMBING FIXTURE TO REMAIN.
- 4. NEW PLUMBING FIXTURE. ROUTE TO EXISTING STUB UP LOCATION.
- 5. PLUMBING FIXTURE LOCATION. COORDINATE WITH PLUMBING DRAWINGS AND PLUMBING INSTALLATION INSTRUCTIONS.
- 6. SAW CUT/TRENCH SLAB FOR NEW RFID GATE, COORDINATE WITH EQUIPMENT MANUFACTURER.



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FIRST
FLOOR ROUGH-IN
PLAN

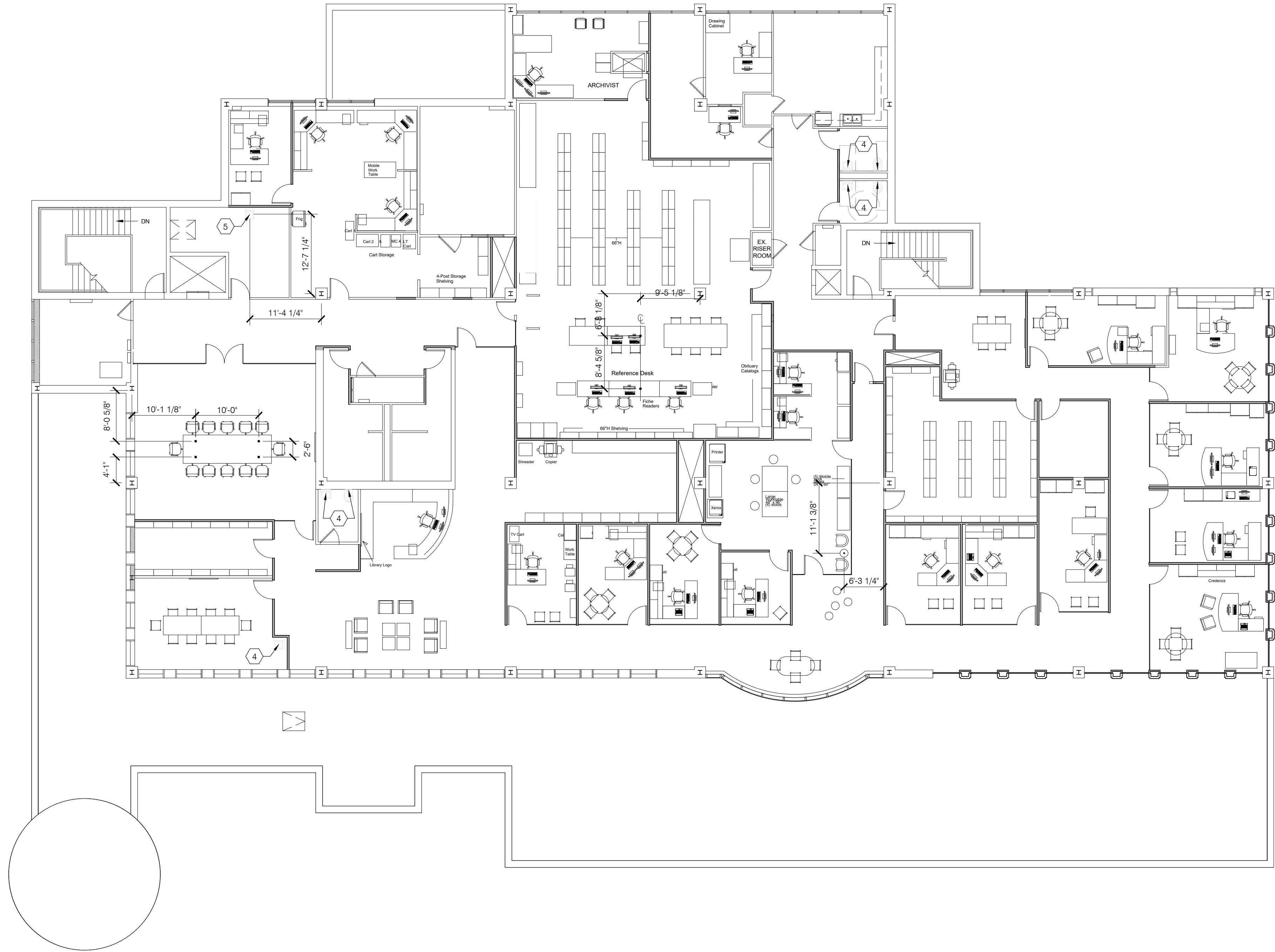
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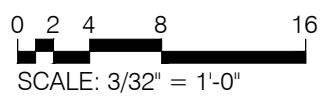


1

A102

SECOND FLOOR ROUGH-IN PLAN

SCALE: 3/32" = 1'-0"

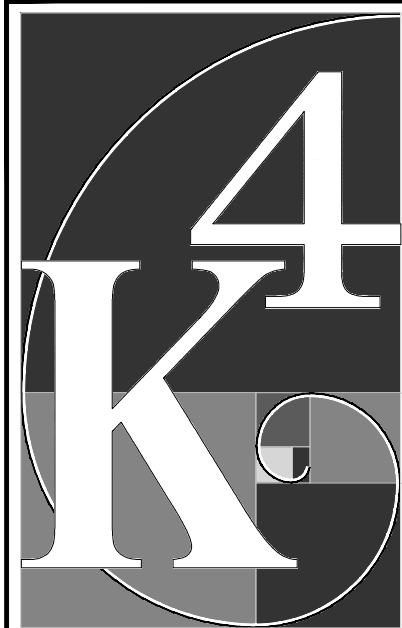


GENERAL NOTES:

- REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- ALL DIMENSIONS ARE TO AND FROM FACE OF MASONRY, POURED CONCRETE, OR WOOD/METAL STUDS UNLESS NOTED OTHERWISE.
- COORDINATE FLOOR BOX LOCATIONS WITH FURNITURE INSTALLERS.
- COORDINATE WORK WITH FLOOR PLANS AND MEP DRAWINGS.

NOTES THIS DRAWING:

- FLOOR BOX FOR POWER/DATA, REFER TO ELECTRICAL DRAWINGS.
- DRAWINGS. CENTER IN BOX SHOWN ON PLAN.
- EXISTING PLUMBING FIXTURE TO REMAIN.
- NEW PLUMBING FIXTURE, ROUTE TO EXISTING STUB UP LOCATION.
- PLUMBING FIXTURE LOCATION, COORDINATE WITH PLUMBING DRAWINGS AND PLUMBING INSTALLATION INSTRUCTIONS.
- SAW CUT/TRENCH SLAB FOR NEW RFID GATE, COORDINATE WITH EQUIPMENT MANUFACTURER.



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SECOND
FLOOR ROUGH-IN
PLAN

Drawn By: BBJ, TW
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Job No.: 21-2113

A012

PARTITION LEGEND:

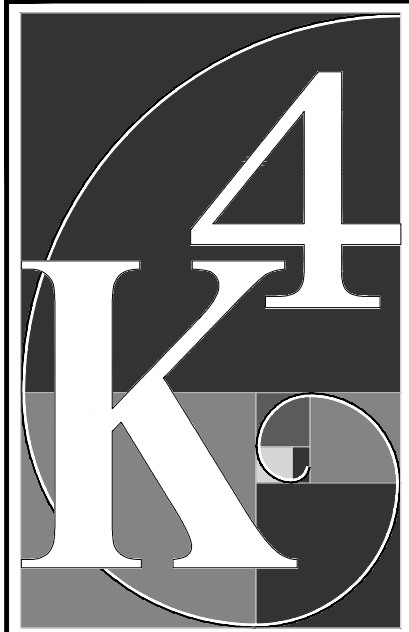
- A. 3-5/8" METAL STUDS @ 16" O.C. WITH 1/2" GYPSUM BOARD ON EACH FACE TO 6" ABOVE CEILING SYSTEM. BRACE(KICKERS) WHERE REQUIRED. FILL STUD CAVITY WITH R-13 BATT INSULATION.
- B. 3-5/8" METAL STUDS @ 16" O.C. WITH 1/2" GYPSUM BOARD ON EACH FACE. FILL STUD CAVITY WITH R-13 BATT INSULATION. EXTEND TO UNDERSIDE OF DECK.
- B1. SAME AS 'B' EXCEPT HALF WALL.
- C. ALUMINUM DOUBLE 3 5/8" STUD WALL (24" O.C.) WITH 1" AIR GAP AND R-13 INSULATION. EACH FACE IS DOUBLE 1/2" GYPSUM WITH GREEN GLUE IN BETWEEN. STUDS TO BE STAGGERED BETWEEN TWO WALLS TO INCREASE SOUND ATTENUATION. EXTEND TO THE UNDERSIDE OF DECK.
- D. 3-5/8" ALUMINUM STUD WALL (24" O.C.) WITH R-13 INSULATION. SINGLE 1/2" GYPSUM ON ONE SIDE WITH DOUBLE 1/2" GYPSUM (WITH GREEN GLUE) ON RECEIVING SIDE. EXTEND TO UNDERSIDE OF DECK.
- E. PLUMBING CHASE WALL: 1/2" GYPSUM BOARD EACH SIDE ON 6" METAL STUD WALLS AT 16" O.C. EXTEND ENTIRE PARTITION ASSEMBLY TO UNDERSIDE OF TRUSSES. FILL STUD CAVITY WITH SOUND ATTENUATION BATT INSULATION. TOP OF PARTITION TO BOTTOM STRUCTURE ABOVE WITH SLIP-CAP CONNECTION TO ALLOW FOR DEFLECTION.
- F. 6" METAL STUDS AT 16" O.C. WITH 1/2" GYPSUM BOARD ON EXPOSED FACE. FILL CAVITY WITH R-13 BATT INSULATION. LIMESTONE BLOCKING ON EXTERIOR SIDE. EXTEND TO UNDERSIDE OF DECK.
- F1. SAME AS 'F' WITHOUT LIMESTONE BLOCKING.
- G. 8" REINFORCED CONCRETE WALL. REFER TO STRUCTURAL FOR ADDITIONAL DETAIL.
- H. 2-1/2" METAL STUDS AT 16" O.C. WITH 1/2" GYPSUM BOARD ON EXPOSED SIDE. FILL CAVITY WITH R-13 BATT INSULATION. EXTEND 6" ABOVE CEILING SYSTEM.
- H1. SAME AS 'H' EXCEPT GYPSUM BOARD ON BOTH SIDES OF STUD AND EXTEND TO UNDERSIDE OF BEAM.
- H2. SAME AS 'H1' EXCEPT EXTEND TO UNDERSIDE OF DECK.
- I. DOUBLE 6" METAL STUDS @ 16" O.C. WITH 1/2" GYPSUM BOARD ON EXPOSED FACES. FILL CAVITY WITH R-13 BATT INSULATION. EXTEND TO UNDERSIDE OF DECK.

GENERAL NOTES:

- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- B. COORDINATE DOOR AND WINDOW SIZES AND OPENINGS WITH SCHEDULE AND ELEVATIONS ON A800 SERIES DRAWINGS. NOTIFY THE ARCHITECT IN CASE OF ANY DISCREPANCIES. VERIFY WALL OPENING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- C. CLEAN ALL SALVAGED LIMESTONE AS A RESULT OF DEMOLITION, MODIFICATION, AND RELOCATION.
- D. PROTECT ALL EXISTING ITEMS TO REMAIN THROUGHOUT CONSTRUCTION. ALL DIMENSIONS ARE TO AND FROM FACE OF MASONRY, POURED CONCRETE, OR WOOD/METAL STUDS UNLESS NOTED OTHERWISE. REFER TO STRUCTURAL DRAWINGS FOR STEEL INFORMATION.
- F. PROVIDE BLOCKING TO ALL CASEWORK, COUNTERTOPS, EQUIPMENT, AND FIXTURES AS NEEDED. VERIFY BLOCKING LOCATION WITH SUPPLIER PRIOR TO INSTALLATION.
- H. REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
- I. FLOOR TRANSITIONS FOR DIFFERENT MATERIALS OR CHANGES IN FLOOR PATTERN SHALL OCCUR UNDER A DOOR WHEN IT OCCURS IN A DOORWAY.
- J. ALIGN FINISH FACE OF WALLS WHEN TWO DIFFERENT PARTITION TYPES INTERSECT TO CREATE A UNIFORM WALL PLANE.
- K. VERIFY WALL OPENING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- L. ALL RESTROOMS TO RECEIVE MOISTURE RESISTANT GYPSUM BOARD.
- M. COORDINATE INSTALLATION OF ALL OWNER SUPPLIED ITEMS WITH OWNER PRIOR TO INSTALLATION.
- N. CONTRACTOR TO PERFORM MOISTURE CONTENT TEST ON EXISTING EXTERIOR CMU WALLS PRIOR TO PAINTING OR INSTALLING GYPSUM BOARD ON NEW FURRING.

NOTES THIS DRAWING:

1. EXISTING WATER SERVICE. RE: PLUMBING DRAWINGS.
2. EXISTING STOREFRONT/GLAZING TO REMAIN.
3. EXISTING ELECTRICAL SERVICE. RE: ELECTRICAL DRAWINGS.
4. OUTLINE OF CANOPY ABOVE. RE: ELEVATIONS FOR ADDITIONAL DETAIL.
5. COMPUTER BY OWNER. RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. THRU-WALL BOOK DROP PROVIDED BY OWNER. INSTALLED BY G.C. VERIFY SIZE AND LOCATION WITH EQUIPMENT SUPPLIER. INSTALL PER MANUFACTURERS DETAILS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. EXISTING HOLLOW METAL DOOR TO REMAIN.
8. NEW HOLLOW METAL DOOR AND FRAME IN EXISTING OPENING. PAINT TO MATCH EXISTING. RE: A801 FOR ADDITIONAL INFORMATION.
9. NEW OVERHEAD GARAGE DOOR TO MATCH EXISTING SIZE, AND COLOR. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
10. EXISTING DRINKING FOUNTAIN TO REMAIN.
11. CASEWORK (COUNTER TOPS, BASE CABINETS, WALL CABINETS) PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
12. REFRIGERATOR PROVIDED BY OWNER. INSTALLED BY GENERAL CONTRACTOR. RE: PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
13. SINGLE-BOWL SINK IN COUNTERTOP. RE: PLUMBING DRAWINGS.
14. DOUBLE-BOWL SINK IN COUNTERTOP. RE: PLUMBING DRAWINGS.
15. COPIER PROVIDED BY OWNER. RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
16. PROVIDE LEVEL 5 FINISH ON THIS WALL. GRAPHIC WALLS BY OWNER. NO EQUIPMENT, SWITCHES, OUTLETS, OR OTHER DEVICES SHALL BE LOCATED ON THIS WALL UNLESS COORDINATED WITH ARCHITECT.
17. EXISTING MOP SINK. RECAULK ALL EDGES OF MOP SINK USING WATERPROOF CAULK AS NEEDED. RE: PLUMBING DRAWINGS.
18. NEW MOP SINK. CAULK ALL EDGES OF MOP SINK USING WATERPROOF CAULK AS NEEDED. RE: PLUMBING DRAWINGS.
19. MECHANICALLY FASTEN FRP PANEL FROM TOP EDGE OF EXISTING MOP SINK TO 4'-0" A.F.F. PANEL SHALL BE 4'-0" WIDE IN BOTH DIRECTIONS BEHIND THE MOP SINK. CAULK JOINT BETWEEN TOP EDGE OF MOP SINK AND BOTTOM EDGE OF EDGE OF FRP PANEL USING WATERPROOF CAULK.
20. PROJECTOR SCREEN PROVIDED BY OWNER. INSTALLED BY G.C.
21. SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH A 10 LB MULTIPURPOSE DRY CHEMICAL FIRE EXTINGUISHER UL-RATED 4-A-60-B-C. FINAL LOCATION PER FIRE INSPECTOR'S RECOMMENDATIONS.
25. ELECTRICAL PANEL. RE: ELECTRICAL DRAWINGS.
26. SERVER RACK. RE: ELECTRICAL DRAWINGS.
27. STEEL COLUMN. RE: STRUCTURAL DRAWINGS.
28. T.V. BY OWNER. PROVIDE CONTINUOUS 2X12 BLOCKING BETWEEN METAL STUDS FROM 7'-2" TO 9'-6" A.F.F. 10E NAIL OR STRAP BLOCKING TO STUDS IN ADDITION TO END NAILING. COORDINATE WITH ELECTRICAL DRAWINGS.
29. PROVIDE FRAMED OPENING IN WALL, CENTERED ON RACEWAY, IN WALL ABOVE CEILING 7" HIGH X 14" WIDE FOR RACEWAY. SEE DETAIL 3 ON A101. RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
30. EXISTING SERVER ROOM. NOT IN SCOPE.
31. 8'-0" TALL FRP PLYWOOD ATTACHED VERTICALLY WITH TOP EDGE AT 8'-6" TO COVER ENTIRE WALL. PAINT TO MATCH ADJACENT WALL COLOR. RE: ELECTRICAL DRAWINGS.
32. FINISHED FACE OF NEW WALL TO ALIGN WITH FINISHED FACE OF EXISTING WALL. PATCH TO MATCH EXISTING.
33. BULKHEAD ABOVE. RE: RCP.
34. WALL MOUNTED TACTILE BRAILLE EXIT SIGNAGE. PROVIDE ACCESSIBLE SIGNAGE PER ADA GUIDELINES.
35. EXISTING LIMESTONE COLUMN TO REMAIN.
36. SURFACE MOUNTED GUARDRAIL TO MATCH EXISTING SIZE AND FINISH.



ARCHITECTURE

+ DESIGN

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NOT FOR
CONSTRUCTION

FIRST
FLOOR PLAN

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

A101

PARTITION LEGEND:

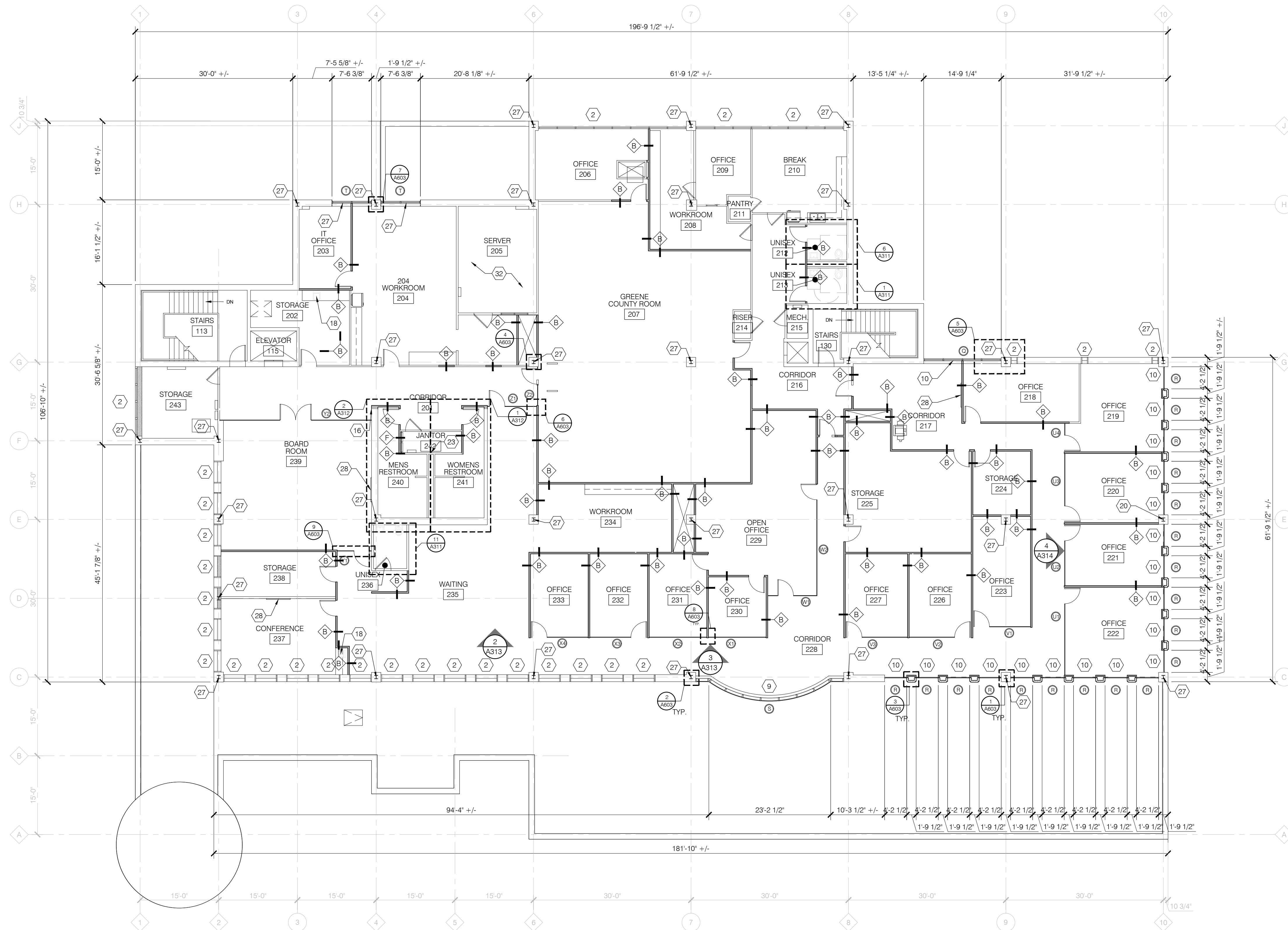
- A. 3/5/8" METAL STUDS @ 16" O.C. WITH 1/2" GYPSUM BOARD ON EACH FACE TO 6" ABOVE CEILING SYSTEM. BRACE(KICKERS) WHERE REQUIRED. FILL STUD CAVITY WITH R-13 BATT INSULATION.
- B. 3-5/8" METAL STUDS @ 16" O.C. WITH 1/2" GYPSUM BOARD ON EACH FACE. FILL STUD CAVITY WITH R-13 BATT INSULATION. EXTEND TO UNDERSIDE OF DECK.
- B1. SAME AS 'B' EXCEPT HALF WALL.
- C. ALUMINUM DOUBLE 3/5/8" STUD WALL (24" O.C.) WITH 1" AIR GAP AND R-13 INSULATION. EACH FACE IS DOUBLE 1/2" GYPSUM WITH GREEN GLUE IN BETWEEN. STUDS TO BE STAGGERED BETWEEN TWO WALLS TO INCREASE SOUND ATTENUATION. EXTEND TO THE UNDERSIDE OF DECK.
- D. 3/5/8" ALUMINUM STUD WALL (24" O.C.) WITH R-13 INSULATION. SINGLE 1/2" GYPSUM ON ONE SIDE WITH DOUBLE 1/2" GYPSUM (WITH GREEN GLUE) ON RECEIVING SIDE. EXTEND TO UNDERSIDE OF DECK.
- E. PLUMBING CHASE WALL: 1/2" GYPSUM BOARD EACH SIDE ON 6" METAL STUD WALLS AT 16" O.C. EXTEND ENTIRE PARTITION ASSEMBLY TO UNDERSIDE OF TRUSSES. FILL STUD CAVITY WITH SOUND ATTENUATION BATT INSULATION. TOP OF PARTITION TO BOTTOM STRUCTURE ABOVE WITH SLIP-CAP CONNECTION TO ALLOW FOR DEFLECTION.
- F. 1/2" GYPSUM BOARD ON EXPOSED SIDE OF 6" METAL STUDS AT 16" O.C. FILL CAVITY WITH R-13 BATT INSULATION. LIMESTONE BLOCKING ON EXTERIOR SIDE.
- F1. SAME AS 'F' WITHOUT LIMESTONE BLOCKING.
- G. 8" REINFORCED CONCRETE WALL. REFER TO STRUCTURAL FOR ADDITIONAL DETAIL.
- H. 1/2" GYPSUM BOARD ON EXPOSED SIDE OF 2-1/2" METAL STUDS AT 16" O.C. FILL CAVITY WITH R-13 BATT INSULATION.

GENERAL NOTES:

- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- B. COORDINATE DOOR AND WINDOW SIZES AND OPENINGS WITH SCHEDULE AND ELEVATIONS ON A800 SERIES DRAWINGS. NOTIFY THE ARCHITECT IN CASE OF ANY DISCREPANCIES. VERIFY WALL OPENING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- C. CLEAN ALL SALVAGED LIMESTONE AS A RESULT OF DEMOLITION, MODIFICATION, AND RELOCATION.
- D. PROTECT ALL EXISTING ITEMS TO REMAIN THROUGHOUT CONSTRUCTION.
- E. ALL DIMENSIONS ARE TO AND FROM FACE OF MASONRY, POURED CONCRETE, OR WOOD/METAL STUDS UNLESS NOTED OTHERWISE.
- F. REFER TO STRUCTURAL DRAWINGS FOR STEEL INFORMATION.
- G. PROVIDE BLOCKING TO ALL CASEWORK, COUNTERTOPS, EQUIPMENT, AND FIXTURES AS NEEDED. VERIFY BLOCKING LOCATION WITH SUPPLIER PRIOR TO INSTALLATION.
- H. REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
- I. FLOOR TRANSITIONS FOR DIFFERENT MATERIALS OR CHANGES IN FLOOR PATTERN SHALL OCCUR UNDER A DOOR WHEN IT OCCURS IN A DOORWAY.
- J. ALIGN FINISH FACE OF WALLS WHEN TWO DIFFERENT PARTITION TYPES INTERSECT TO CREATE A UNIFORM WALL PLANE.
- K. VERIFY WALL OPENING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- L. ALL RESTROOMS TO RECEIVE MOISTURE RESISTANT GYPSUM BOARD.
- M. COORDINATE INSTALLATION OF ALL OWNER SUPPLIED ITEMS WITH OWNER PRIOR TO INSTALLATION.
- N. CONTRACTOR TO PERFORM MOISTURE CONTENT TEST ON EXISTING EXTERIOR CMU WALLS PRIOR TO PAINTING OR INSTALLING GYPSUM BOARD ON NEW FURRING.

NOTES THIS DRAWING:

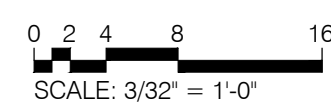
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- SINGLE-BOWL SINK IN COUNTERTOP. RE: PLUMBING DRAWINGS.
- DOUBLE-BOWL SINK IN COUNTERTOP. RE: PLUMBING DRAWINGS.
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- ELECTRICAL PANEL. RE: ELECTRICAL DRAWINGS.
- SERVER RACK. RE: ELECTRICAL DRAWINGS.
- STEEL COLUMN. RE: STRUCTURAL DRAWINGS.
- T.V. BY OWNER. PROVIDE CONTINUOUS 2X12 BLOCKING BETWEEN METAL STUDS FROM 72" TO 96" A.F.F. TOE NAIL OR STRAP BLOCKING TO STUDS IN ADDITION TO END NAILING. COORDINATE WITH ELECTRICAL DRAWINGS.
- PROVIDE FRAMED OPENING IN WALL, CENTERED ON RACEWAY, IN WALL ABOVE CEILING 7" HIGH X 14" WIDE FOR RACEWAY. SEE DETAIL 3 ON A101. RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
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- EXISTING LIMESTONE COLUMN TO REMAIN.
- SURFACE MOUNTED GUARDRAIL TO MATCH EXISTING SIZE AND FINISH.



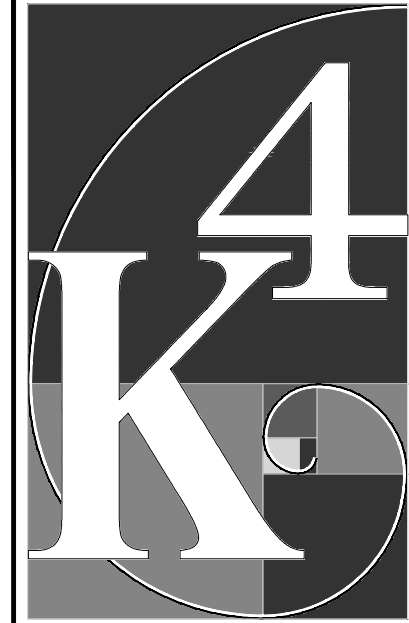
1
A102

SECOND FLOOR PLAN

SCALE: 3/32"=1'-0"



SCALE: 3/32"=1'-0"



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SECOND
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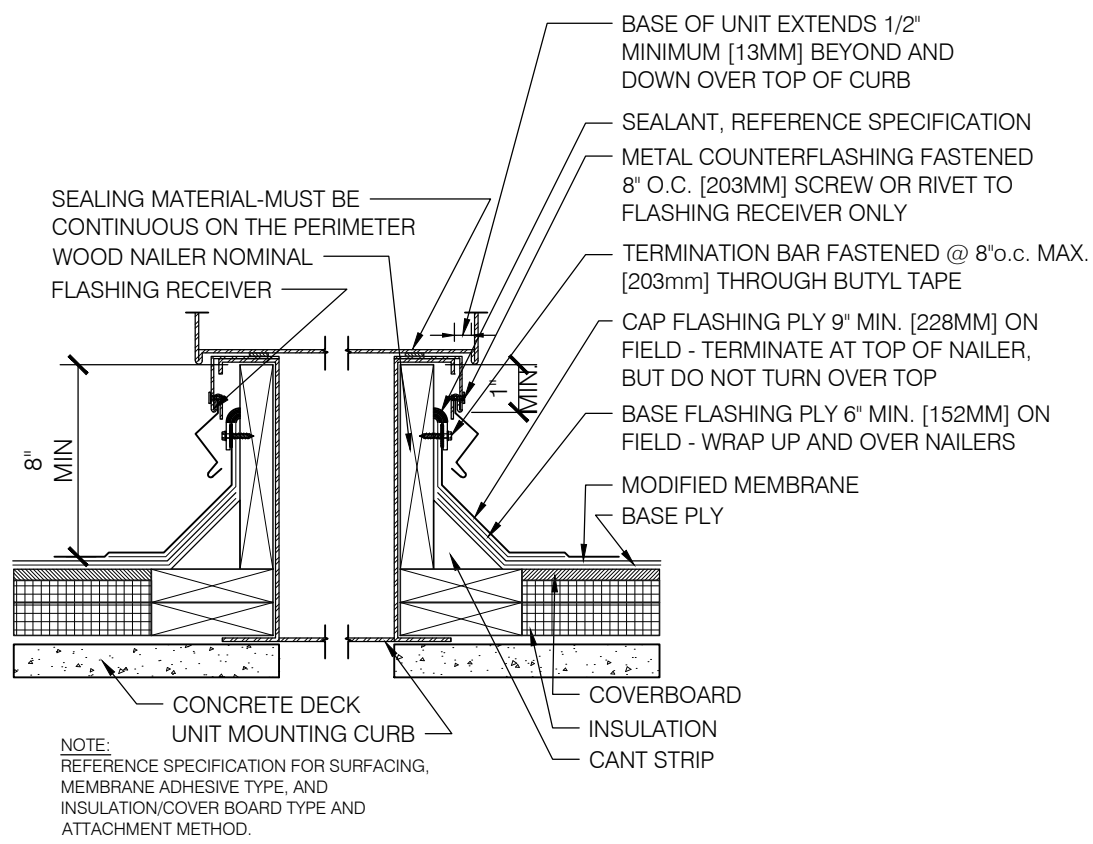
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A102

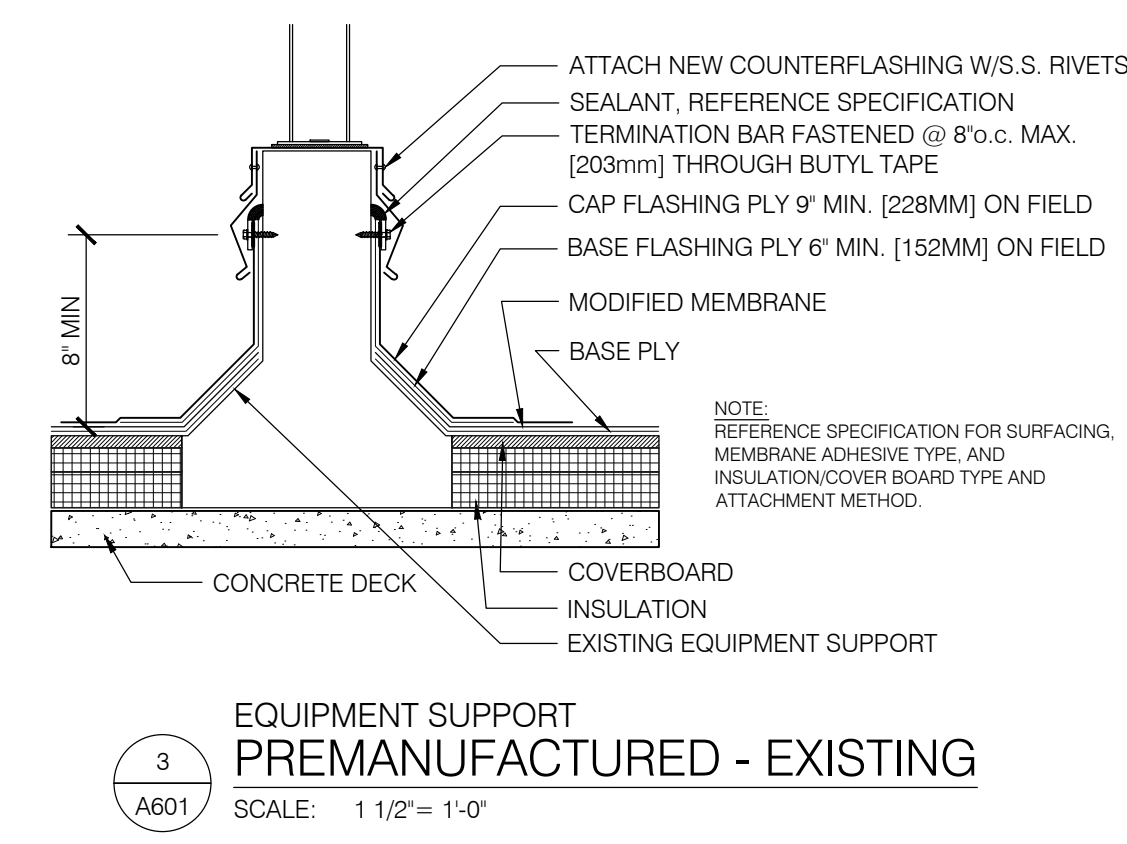
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2 CURB DETAIL/ AIR HANDLING STATION
SCALE: 1 1/2" = 1'-0"



3 EQUIPMENT SUPPORT PREMANUFACTURED - EXISTING
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES:

- MODIFY AND REPLACE EXISTING ROOF SYSTEM AS REQUIRED FOR INSTALLATION OF NEW RTU
- ROOF DETAILS PROVIDED FOR REFERENCE. NOT ALL DETAILS MAY BE USED.

NOTES THIS DRAWING:

- NEW MEMBRANE ROOF
- NEW STANDING SEAM ROOF
- PRE-FINISHED 3"x4" DOWNSPOUT TO GRADE
- PRE-FINISHED 3"x3" DOWNSPOUT TO GRADE
- 3" PRE-FINISHED ALUMINUM GUTTER
- 4"x6" WIDE PRE-FINISHED ALUMINUM SCUPPER WITH COLLECTOR BOX
- NEW RTU, RE: MECHANICAL DWGS FOR DETAILS
- MODIFY EXISTING CURB AS REQUIRED FOR NEW RTU. ROOF OPENING MAY NEED ENLARGED IN ORDER TO MEET NEW RTU REQUIREMENTS. RE: MECHANICAL DWGS
- EXISTING ROOF DRAIN
- EXISTING ROOFING CONTROL JOINT
- EXISTING INTAKE VENT
- EXISTING FLUE
- EXISTING RANGE HOOD EX-HAUST
- EXISTING EXHAUST VENT
- EXISTING GARLAND MEMBRANE ROOF SYSTEM. REMOVE AND REPLACE EXISTING ROOFING SYSTEM AS REQUIRED FOR INSTALLATION OF NEW CURB.
- EXISTING MECHANICAL EQUIPMENT, RE: MECHANICAL DWGS
- EXISTING ACCESS LADDER
- EXISTING ROOF SCUTTLE



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ROOF PLAN

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

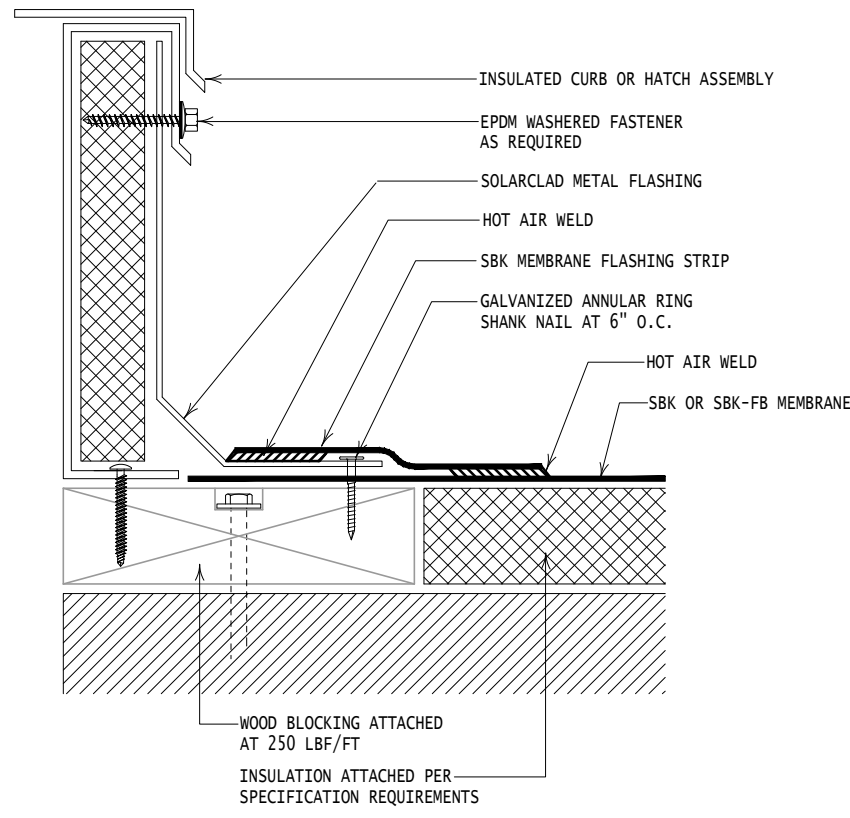
A111

1 ROOF PLAN
SCALE: 1/8" = 1'-0"

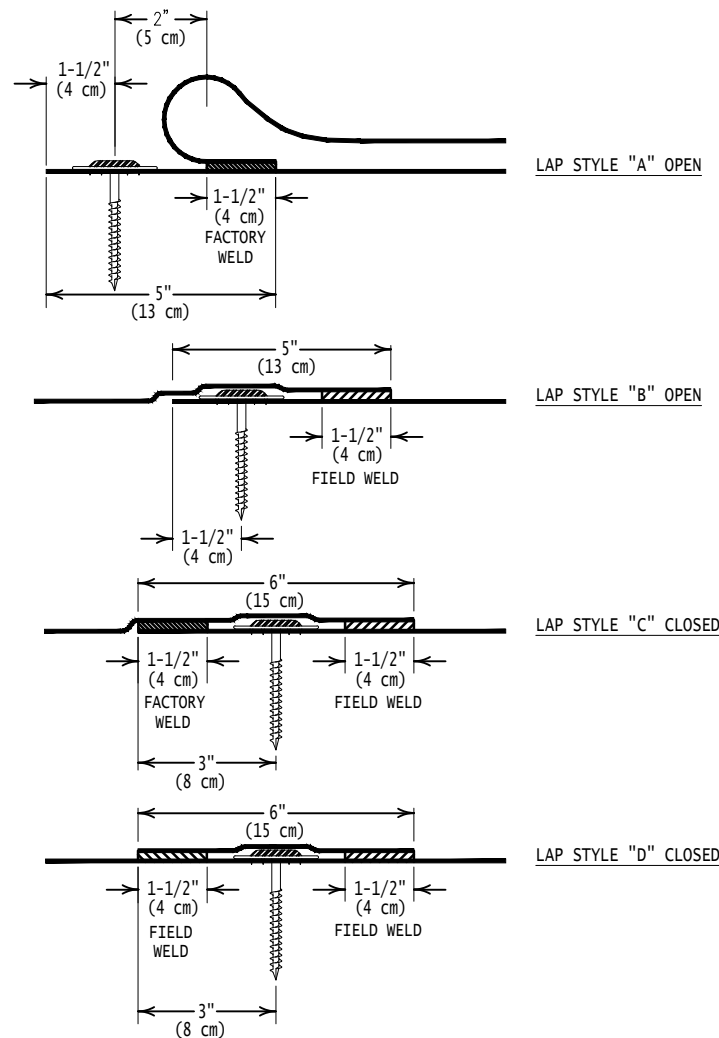
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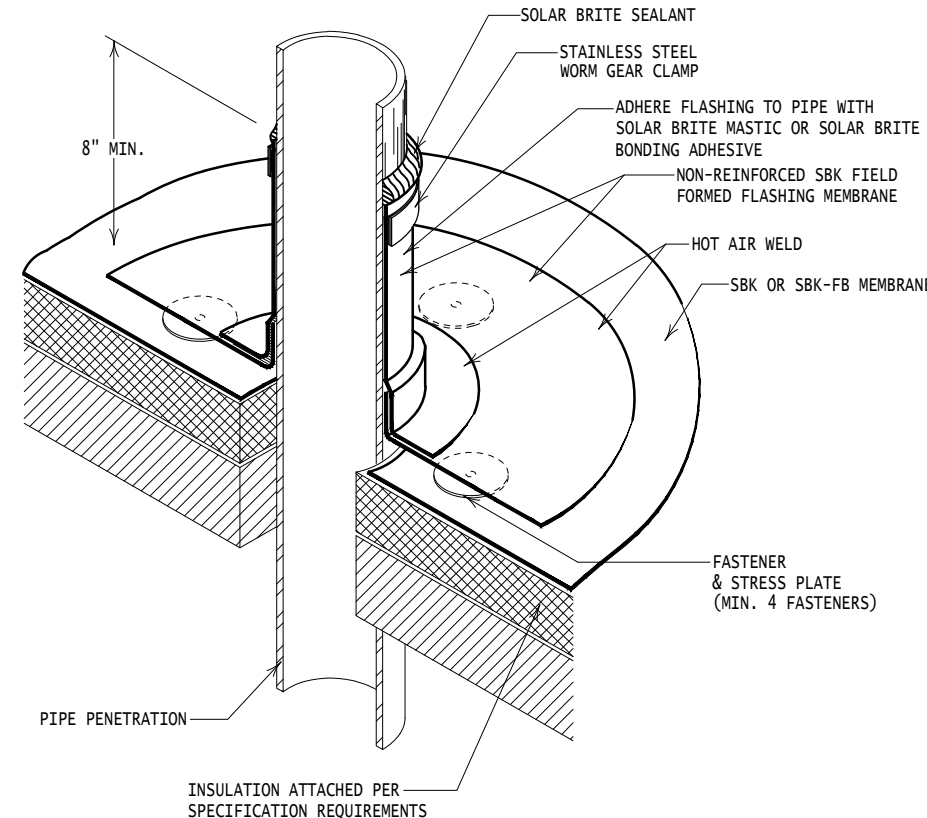
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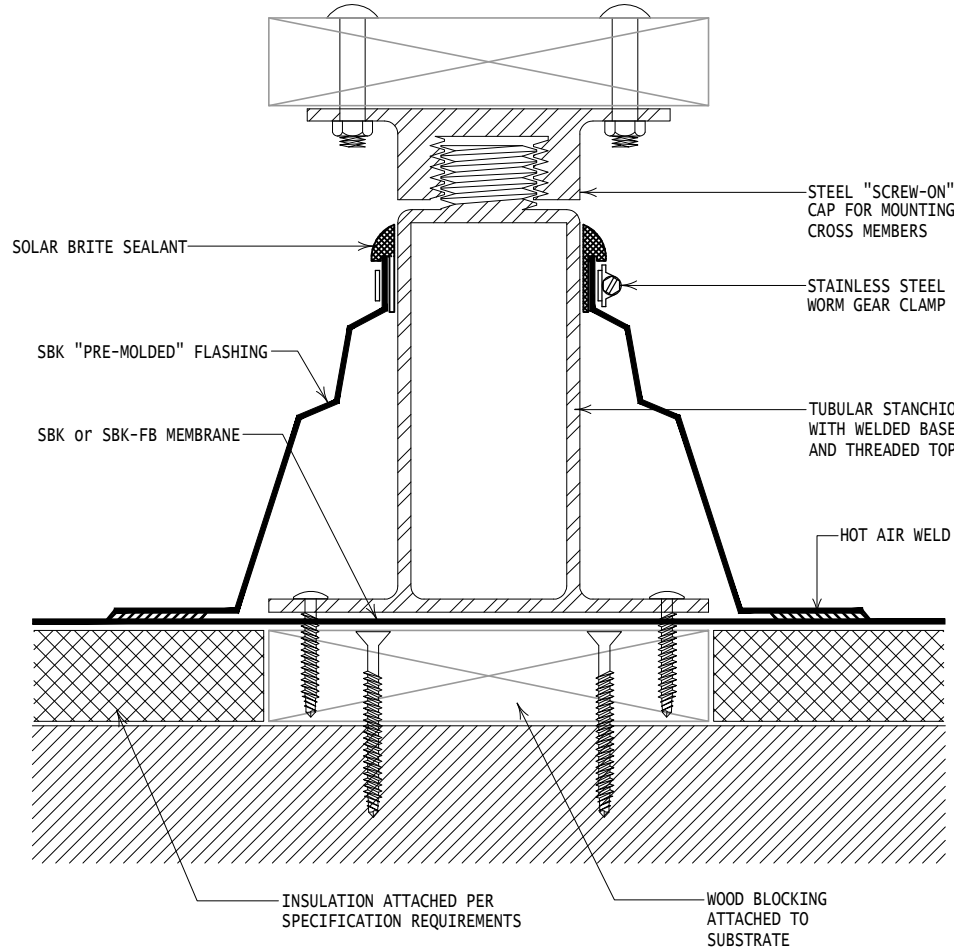
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INSULATED CURB OR FIRE-HATCH
SCALE: N.T.S.



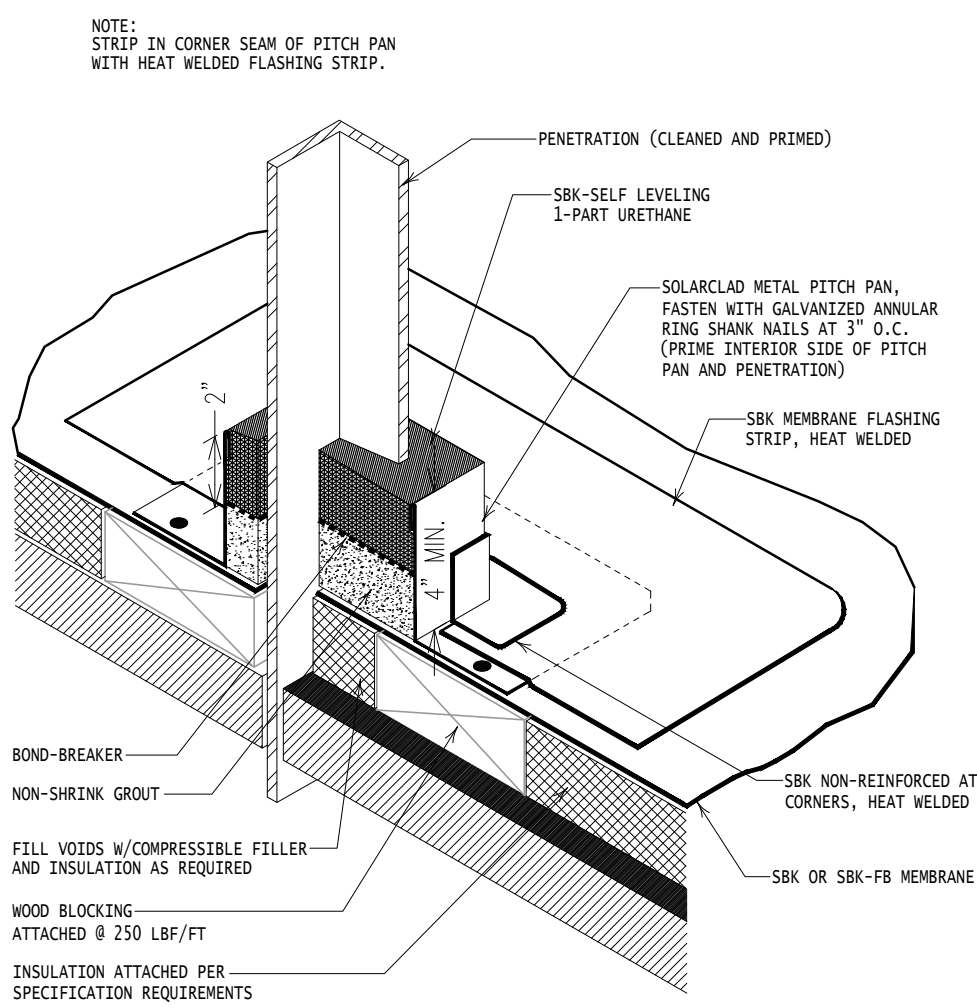
SBK-DLAP
MAGNUM PLATES & FASTNERS
SCALE: N.T.S.



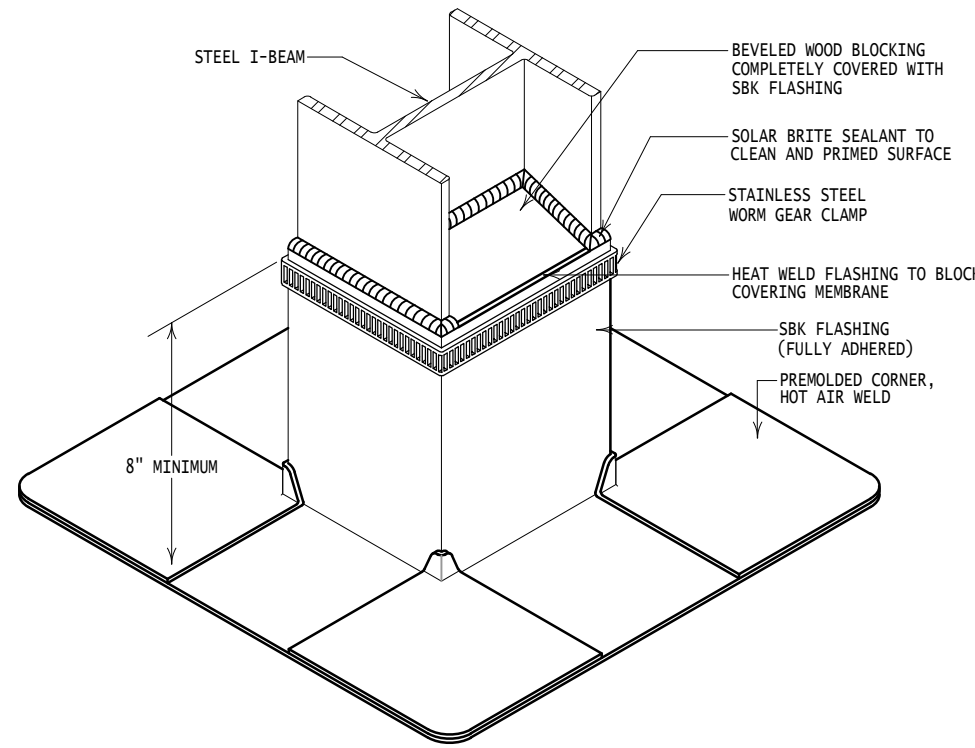
SBK-DP4I
FIELD FABRICATED PIPE FLASHING
SCALE: N.T.S.



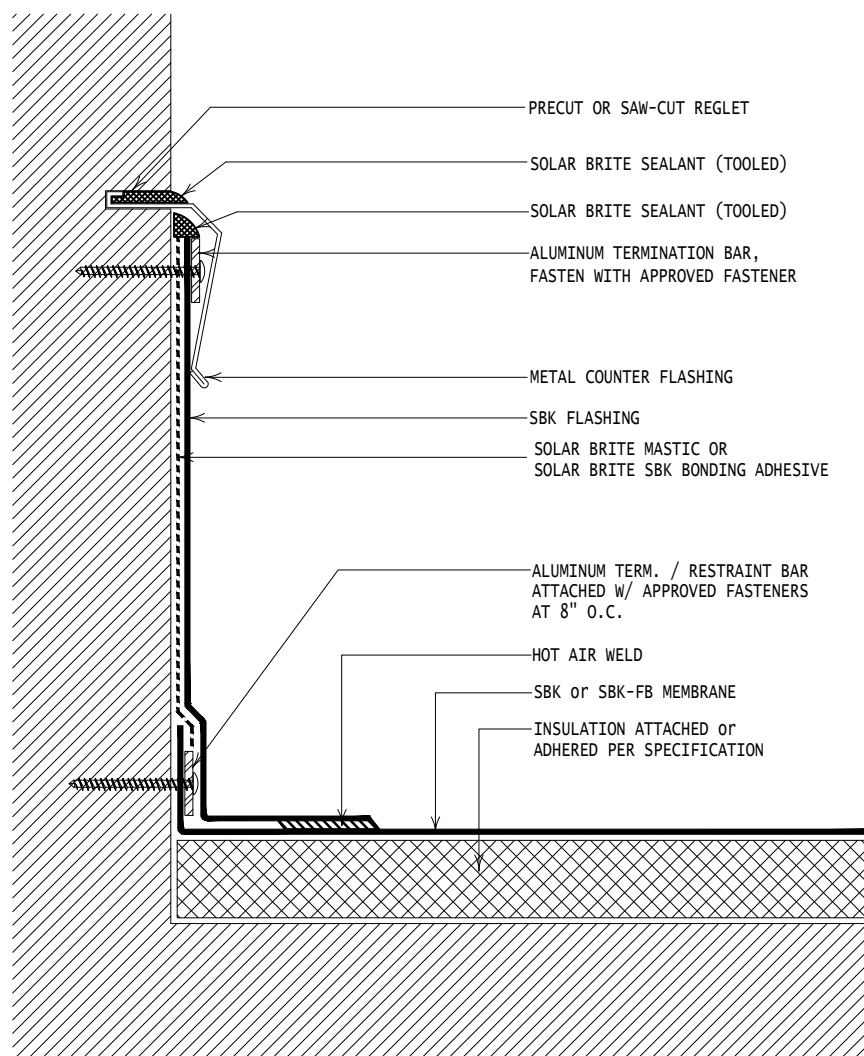
SBK-DP6
ROOF TOP STANCHION
SCALE: N.T.S.



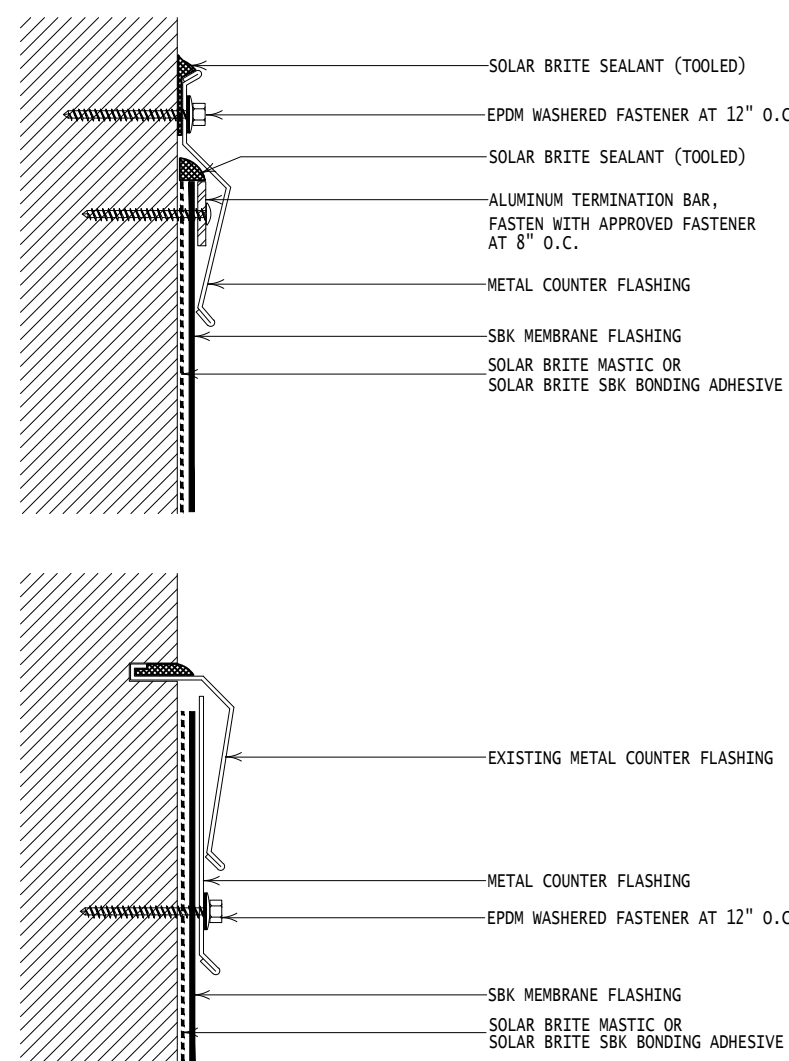
SBK-DP5I
PITCH PAN FLASHING
SCALE: N.T.S.



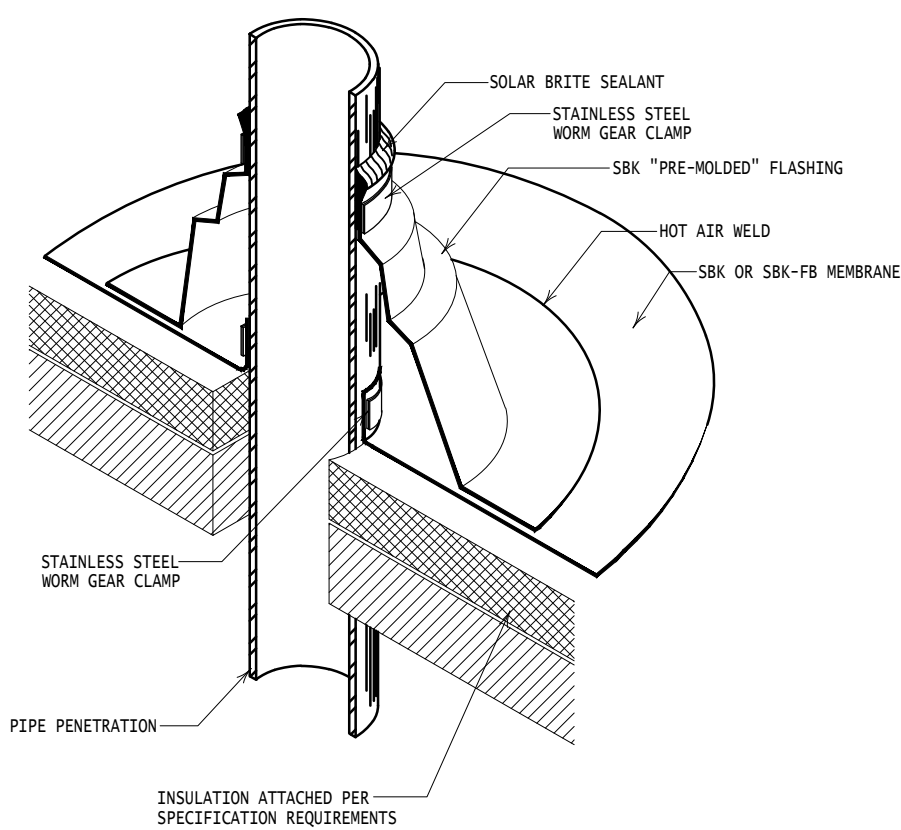
SBK-DP9I
FIELD FABRICATED I-BEAM FLASHING
SCALE: N.T.S.



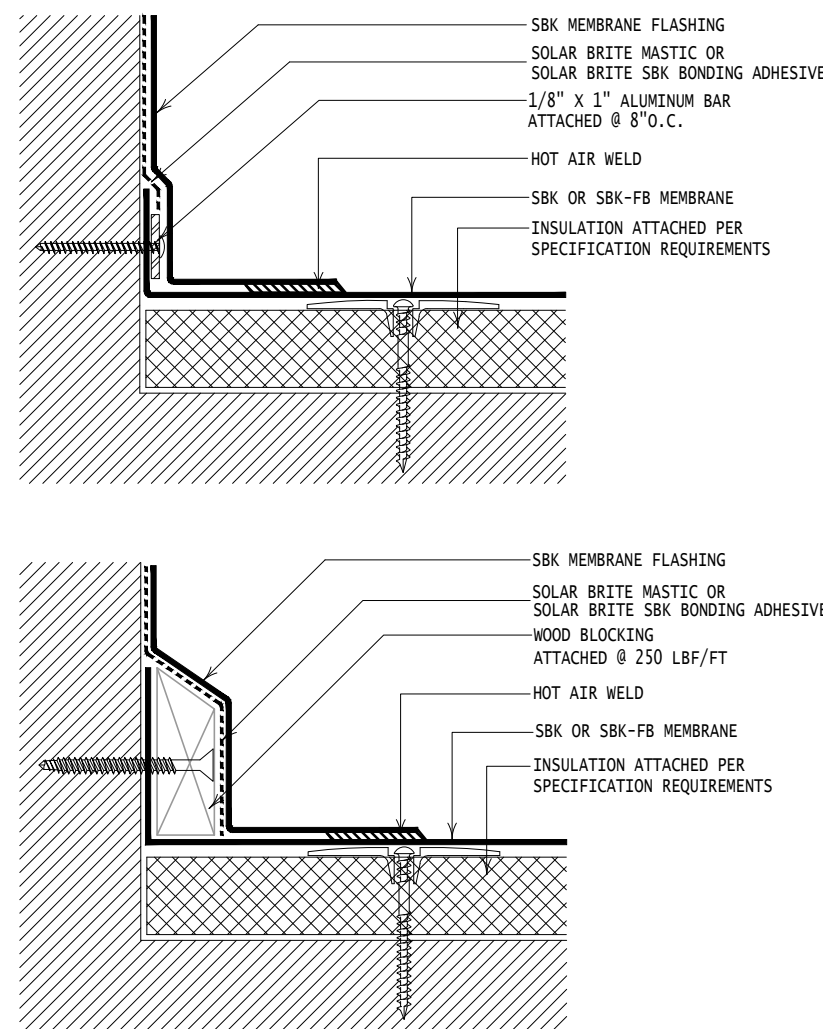
SBK-DW1A
WALL FLASHING/BLOCKING ALTERNATE
SCALE: N.T.S.



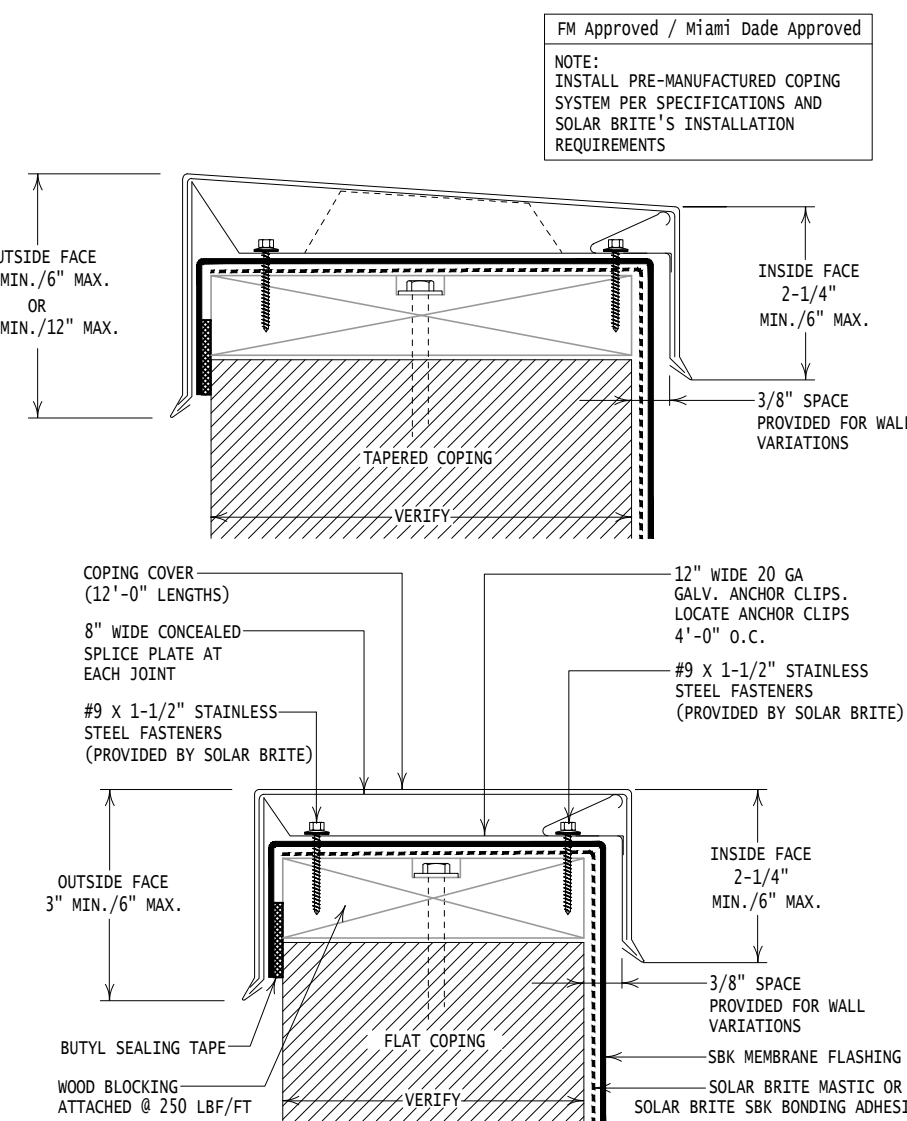
SBK-DW4
WALL FLASHING ALTERNATE TERMINATION
SCALE: N.T.S.



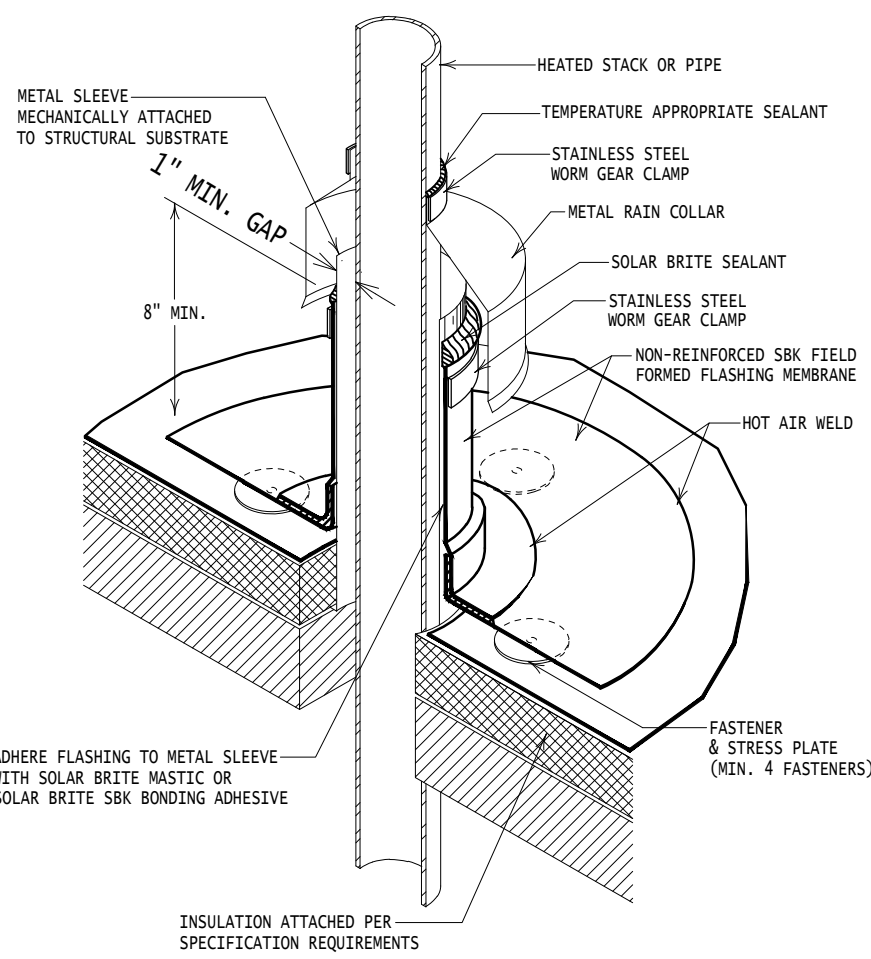
SBK-DP8I
PRE-FORMED PIPE FLASHING/ALTERNATE BASE RESTRAINT
SCALE: N.T.S.



SBK-DW3
WALL FLASHING/ALTERNATE \"BASE\" SECUREMENT
SCALE: N.T.S.



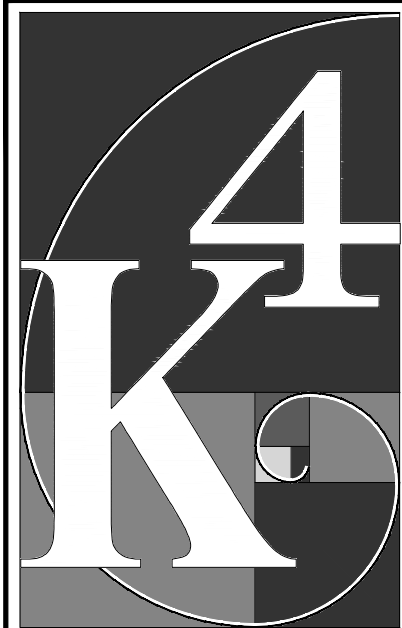
SBK-DW5A
SOLAR BRITE PREMANUFACTURED COPING SYSTEM
SCALE: N.T.S.



SBK-DP7I
HEATED STACK FLASHING/METAL COLLAR
SCALE: N.T.S.

GENERAL NOTES:

- REFER TO SHEET T001 FOR ADDITIONAL GENERAL NOTES.
- REFER TO ROOF PLAN FOR ADDITIONAL ROOF NOTES.
- ROOF PATCHING AND REPAIR SHALL BE DONE BY A GARLARD CERTIFIED ROOFING CONTRACTOR IN ORDER TO MAINTAIN EXISTING ROOF WARRANTY.
- ROOF DETAILS PROVIDED FOR REFERENCE. NOT ALL DETAILS MAY BE USED. ONLY GARLARD APPROVED DETAILS MAY BE USED.



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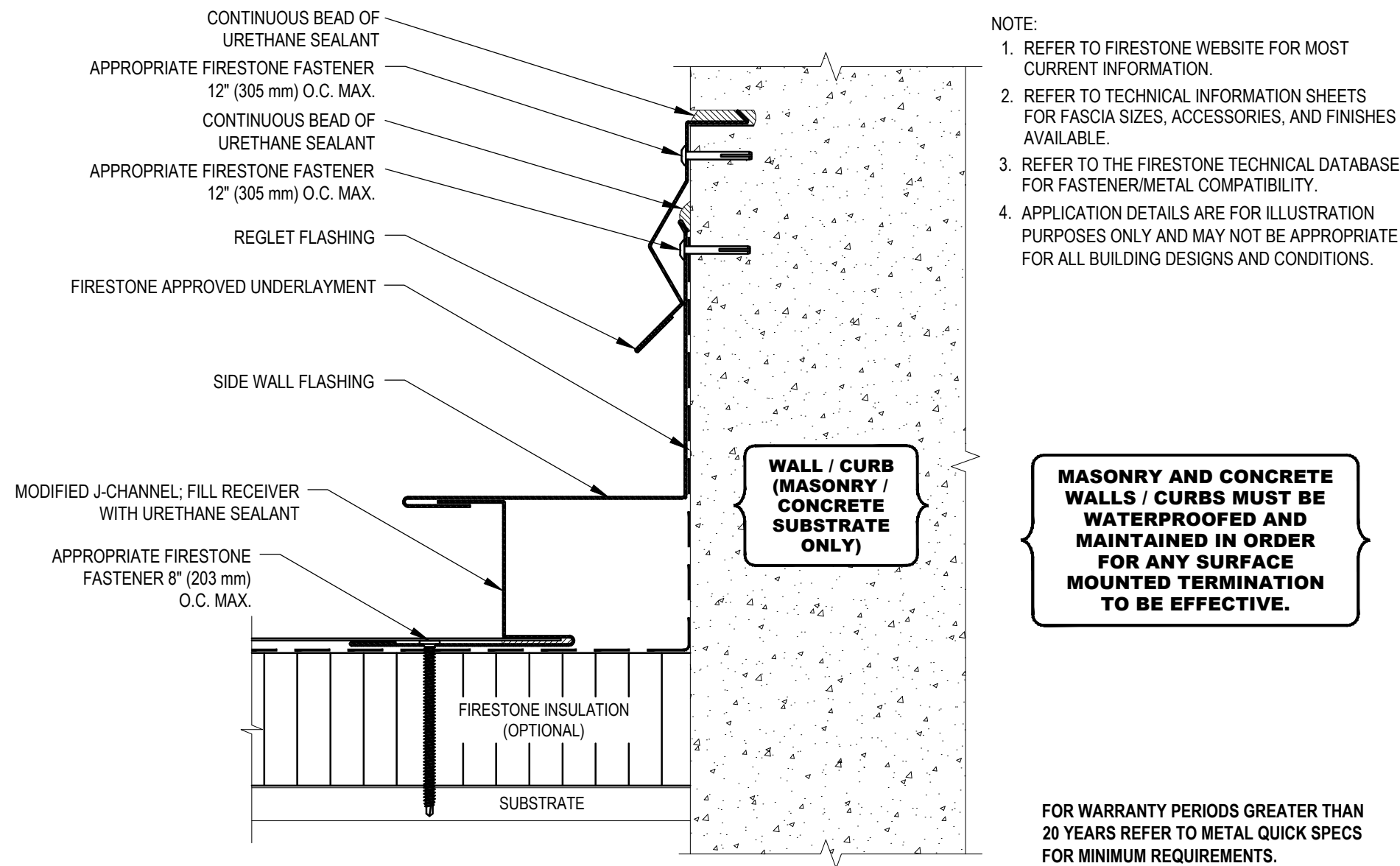
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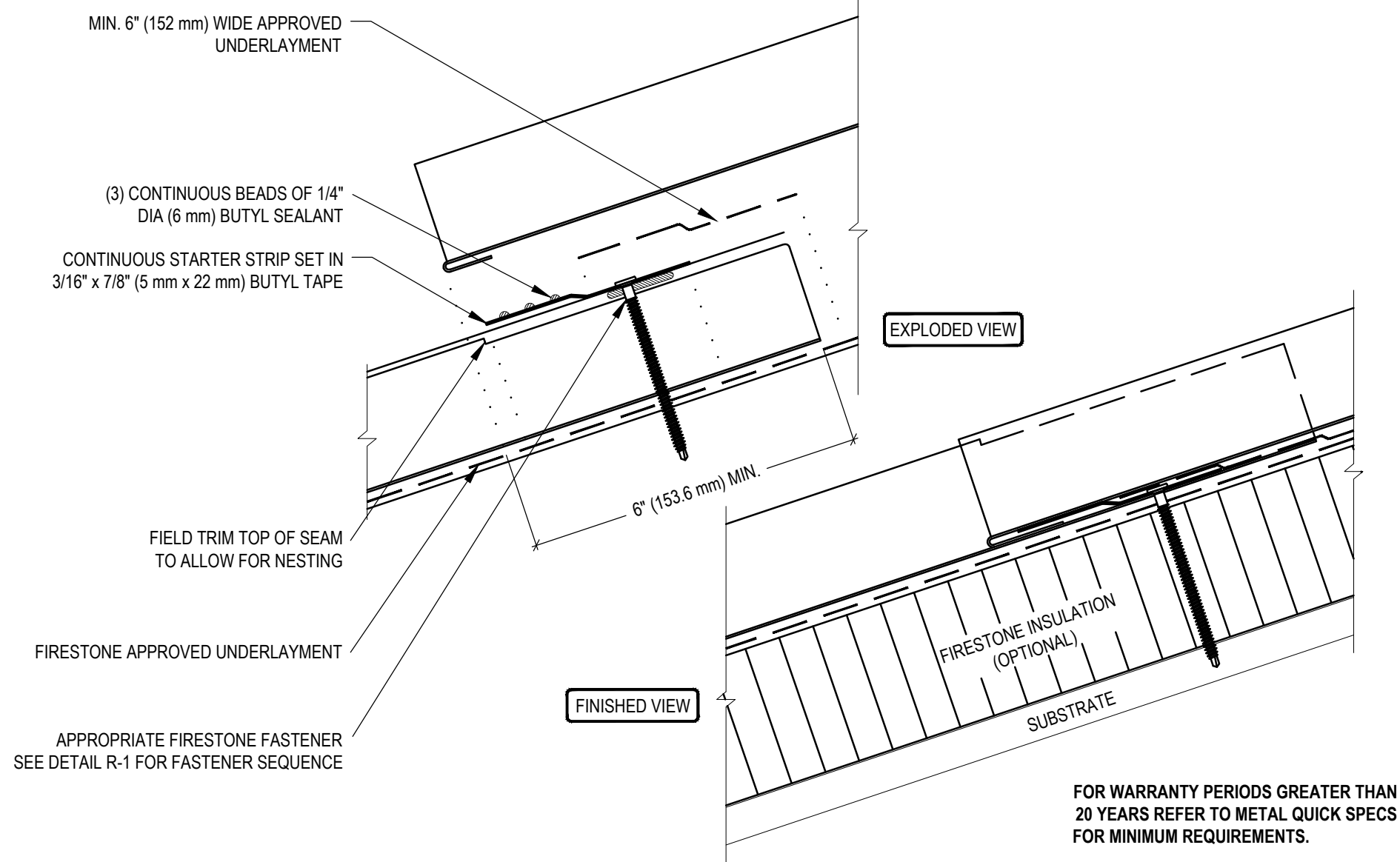
ROOF DETAILS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

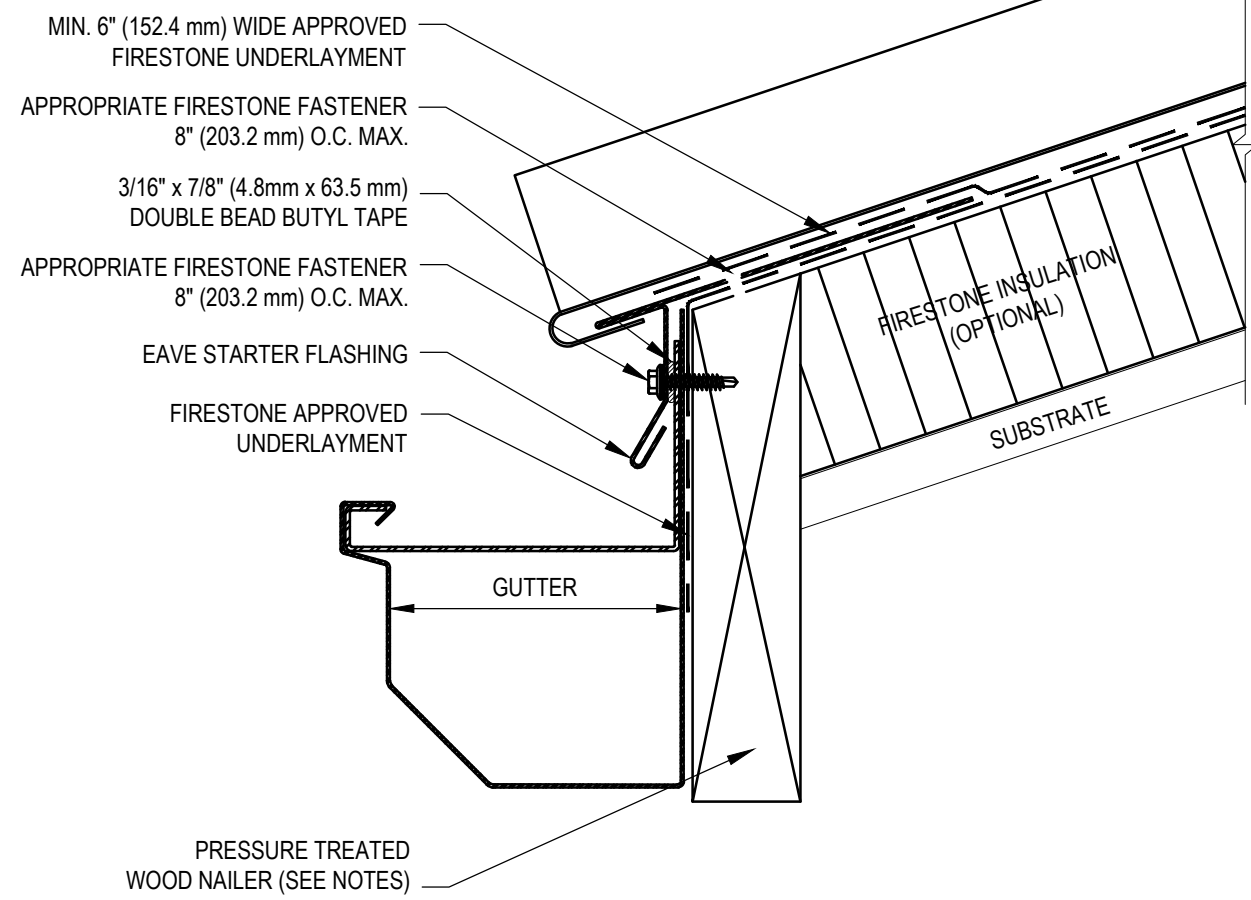
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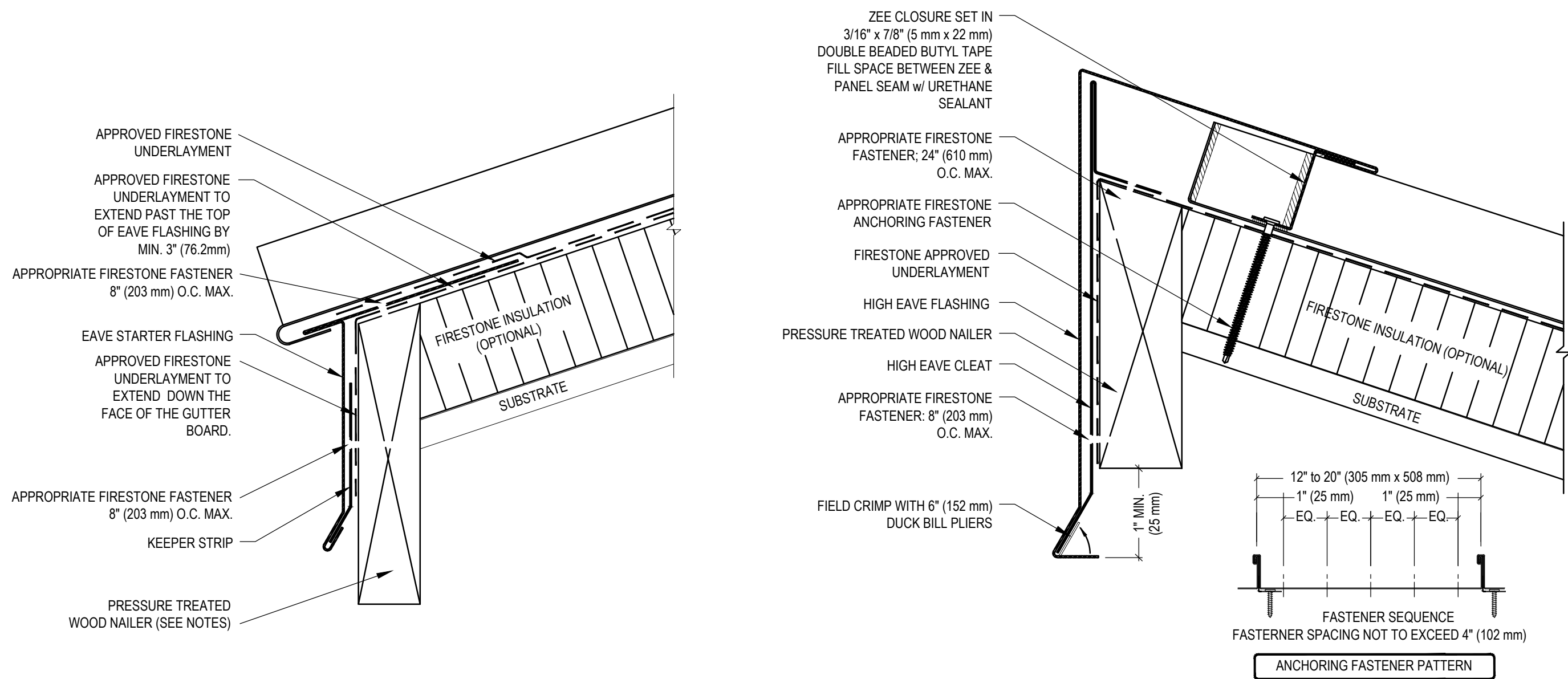
7
A114
FIRESTONE UC6-SW-1
SIDEWALL FLASHING
SCALE: N.T.S.



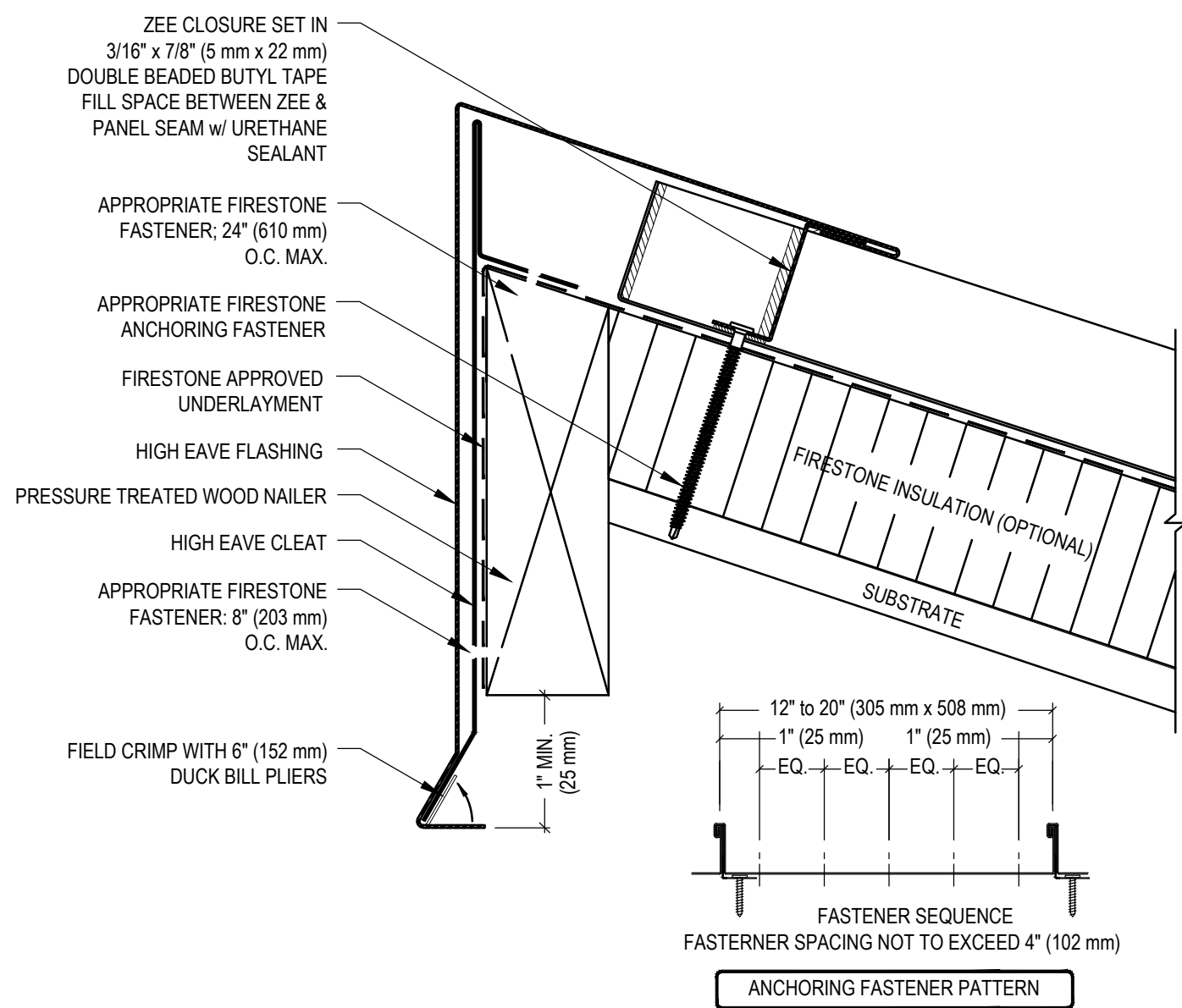
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A114
FIRESTONE UC6-EL-1
END LAP
SCALE: N.T.S.



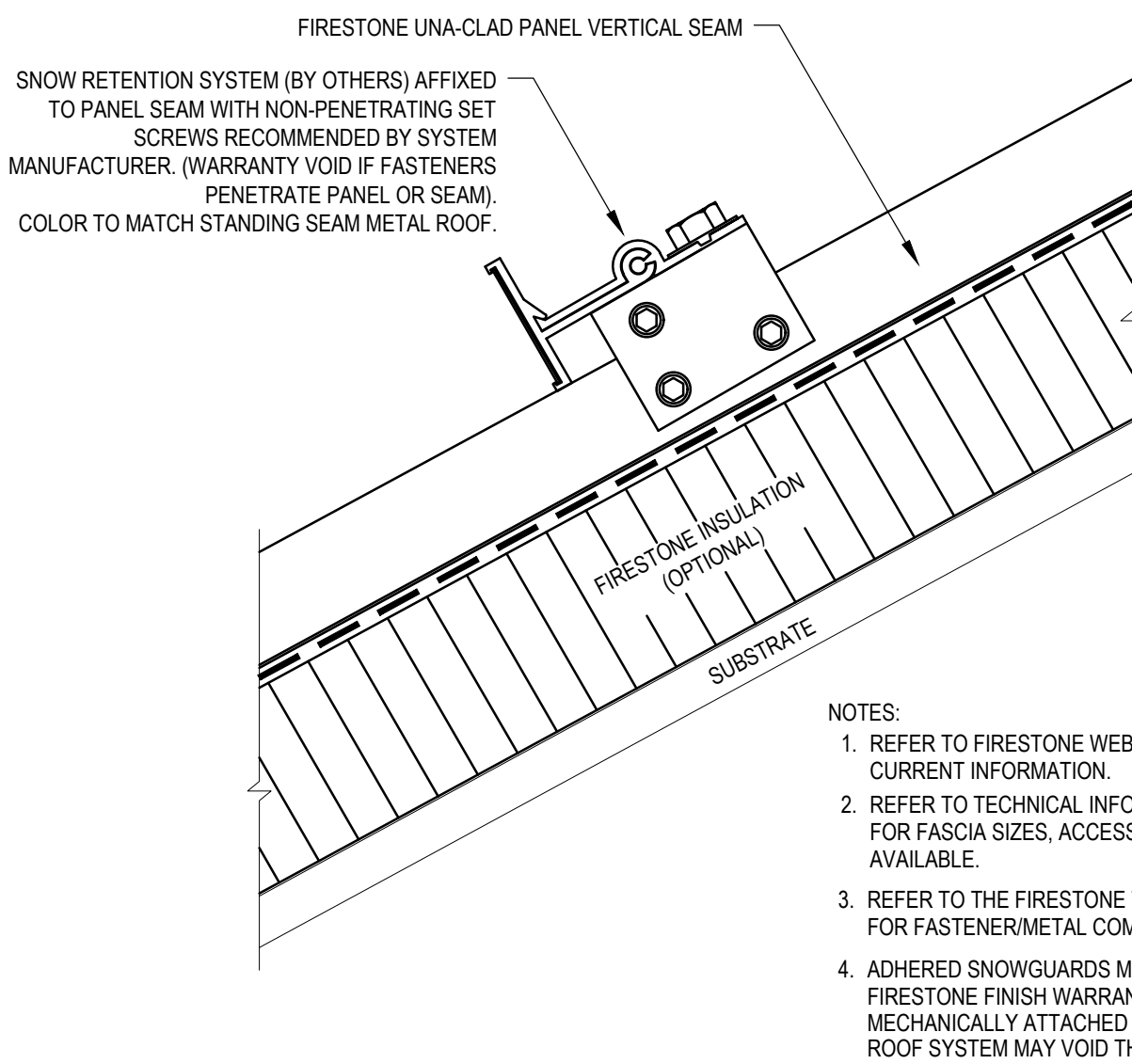
5
A114
FIRESTONE UC6-E-2
SLIDING EAVE AT GUTTER
SCALE: N.T.S.



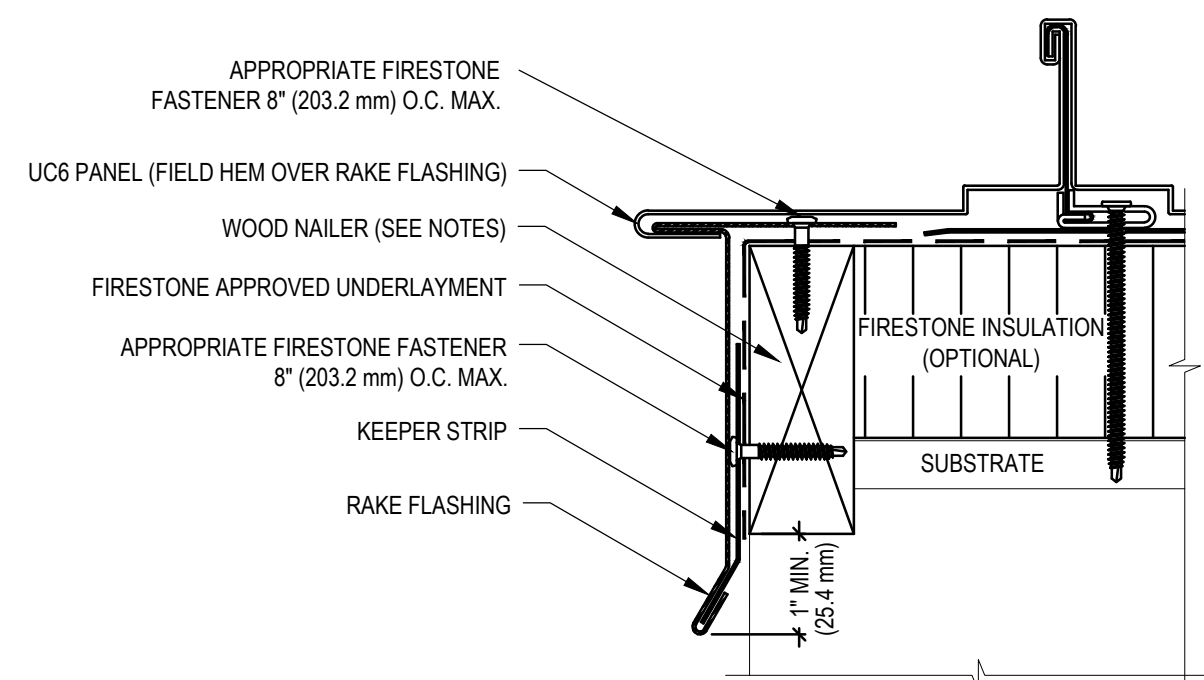
4
A114
FIRESTONE UC6-E-1
SLIDING EAVE AT DRIP EDGE
SCALE: N.T.S.



3
A114
FIRESTONE UC6-HE-1
FIXED HIGH EAVE WITH Z -CLOSURE
SCALE: N.T.S.



2
A114
FIRESTONE UC6-SG-1
CONTINUOUS SNOW RETENTION SYSTEM
SCALE: N.T.S.



1
A114
FIRESTONE UC6-RK-1
RAKE WITH HEMMED PANEL EDGE
SCALE: N.T.S.

GENERAL NOTES:

1. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
3. REFER TO TECHNICAL INFORMATION SHEETS FOR FASCIA SIZES, ACCESSORIES, AND FINISHES AVAILABLE.
4. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS. PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
5. REFER TO THE FIRESTONE TECHNICAL DATABASE FOR FASTENER/METAL COMPATIBILITY.
6. REFER TO THE FIRESTONE TECHNICAL DATABASE FOR HEM LENGTH AND REQUIRED DISTANCE BETWEEN THE PANEL AND CLEAT.
7. STAGGER ADJACENT END LAPS MINIMUM 12" O.C.
8. APPLICATION DETAILS ARE FOR ILLUSTRATION PURPOSED ONLY AND MAY NOT BE APPROPRIATE FOR ALL BUILDING DESIGNS AND CONDITIONS.
9. ADHERED SNOWGUARDS MAY VOID THE FIRESTONE FINISH WARRANTY. SNOWGUARDS MECHANICALLY ATTACHED THROUGH THE METAL ROOF SYSTEM MAY VOID THE RED SHIELD WARRANTY.
10. NUMBER AND SPACING OF SNOW RETENTION CLIPS TO BE DETERMINED BY SNOW RETENTION SYSTEM MANUFACTURER OR A QUALIFIED DESIGN PROFESSIONAL.

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STANDING SEAM ROOF
DETAILS

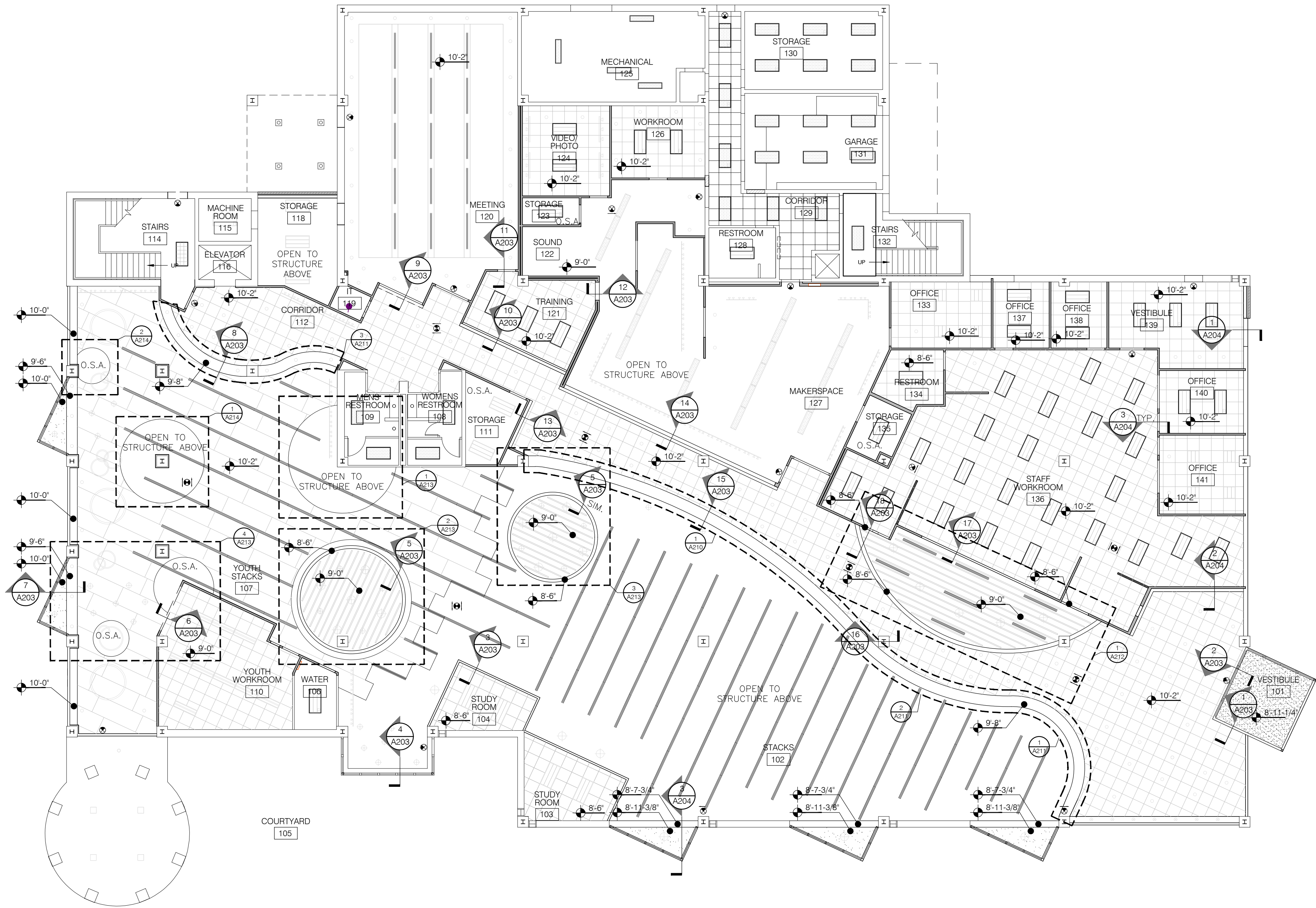
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Job No.: 21-2113

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1
A201
FIRST FLOOR
REFLECTED CEILING PLAN
SCALE: 3/32" = 1'-0"

GENERAL NOTES:

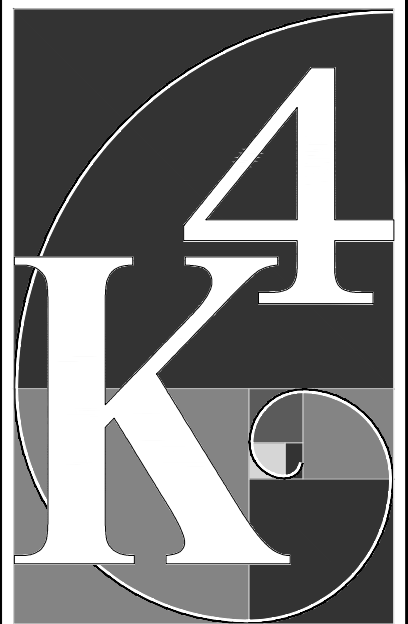
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- ALL DIMENSIONS ARE TO AND FROM FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS UNLESS NOTED OTHERWISE.
- REFER TO STRUCTURAL DRAWINGS FOR STEEL, BAR JOIST AND FRAMING INFORMATION.
- REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL AND WALL FINISHES.
- ALIGN FINISH FACE OF WALLS AND BULKHEADS WHEN TWO DIFFERENT PARTITION TYPES INTERSECT TO CREATE A UNIFORM WALL PLANE.
- PAINT MUST CURE 7 DAYS PRIOR TO INSTALLATION OF GRAPHICS. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING GRAPHIC INSTALL AND PAINT IN THEIR CONSTRUCTION SCHEDULE.
- LIGHTING AND HVAC SHOWN FOR REFERENCE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

NOTES THIS DRAWING:

- NO CEILING THIS AREA.
- ALIGN FINISH FACE.
- 3'-5/8" GYPSUM BOARD BULKHEAD. HEIGHT AS NOTED.
- 6" GYPSUM BOARD BULKHEAD. HEIGHT AS NOTED.
- 8" GYPSUM BOARD BULKHEAD. HEIGHT AS NOTED.
- 1'-0" GYPSUM BOARD BULKHEAD. HEIGHT AS NOTED.
- CENTER CAN LIGHT OVER DEAL PLATE. COORDINATE WITH CASEWORK SUPPLIER.
- REMOTE TELLER SYSTEM BY BANK EQUIPMENT SUPPLIER. COORDINATE SIZE, LOCATION & ROUTING WITH BANK EQUIPMENT SUPPLIER. COORDINATE WORK WITH DUCT WORK, ELECTRICAL & CEILING WORK.
- COMPOSITE METAL PANEL CANOPY.
- BOTTOM OF FIXTURE AT 8'-6" A.F.F.
- BOTTOM OF FIXTURE AT 7'-9" A.F.F.
- BOTTOM OF FIXTURE AT 8'-9" A.F.F.
- FRY REGLET DRM-25-25 DA-1 DRYWALL REVEAL MOLDING AT INTERSECTION OF INTERIOR WALL PARTITION AND BULKHEAD. PAINT TO MATCH ADJACENT BULKHEAD. REFER TO INTERIORS FINISH PLANS.

CEILING LEGEND:

- 24" x 48" RECESSED DIRECT / INDIRECT FIXTURE
- 24" x 24" RECESSED DIRECT / INDIRECT FIXTURE
- RECESSED CAN LIGHT
- STRIP LIGHT
- PENDANT FIXTURE
- PENDANT FIXTURE
- 2x2 SUSPENDED ACOUSTICAL CEILING
- GYPSUM BOARD CEILING
- SUPPLY DIFFUSER
- RETURN GRILLE
- EXHAUST FAN
- EXIT SIGN
- WALL MOUNTED LED STRIP LIGHT FIXTURE



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FIRST FLOOR
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Job No.: 21-2113

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SECOND FLOOR
REFLECTED CEILING PLAN
SCALE: 3/32"=1'-0"

GENERAL NOTES:

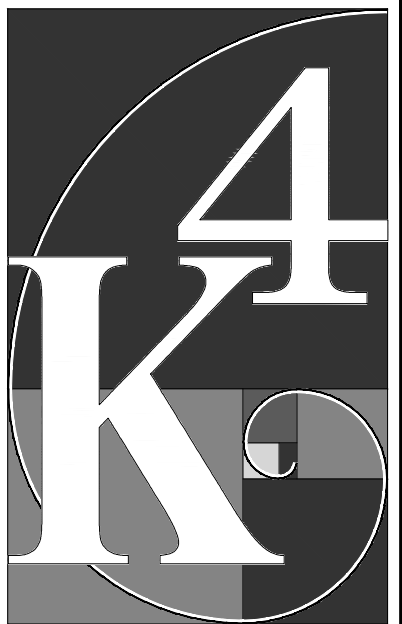
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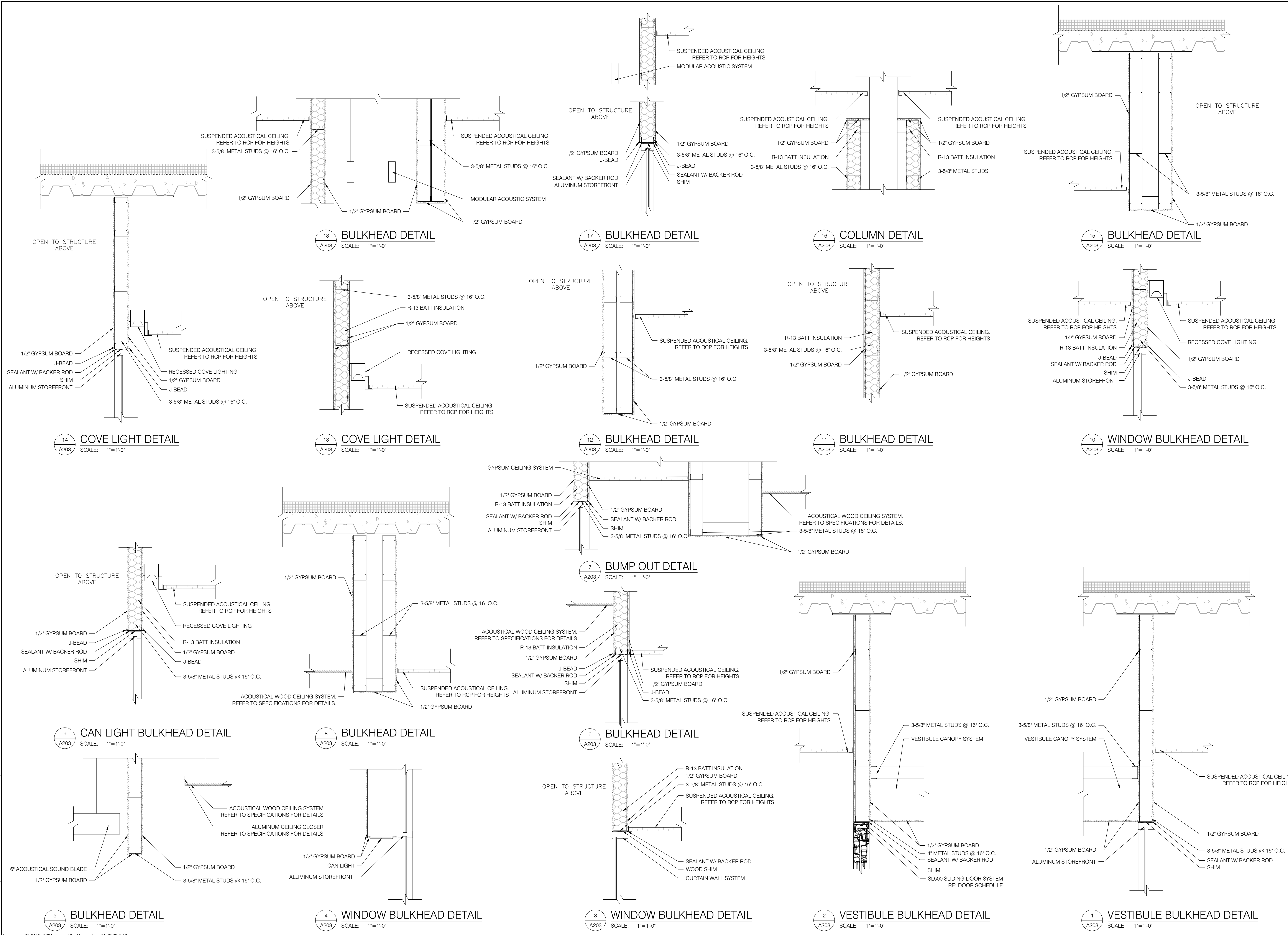
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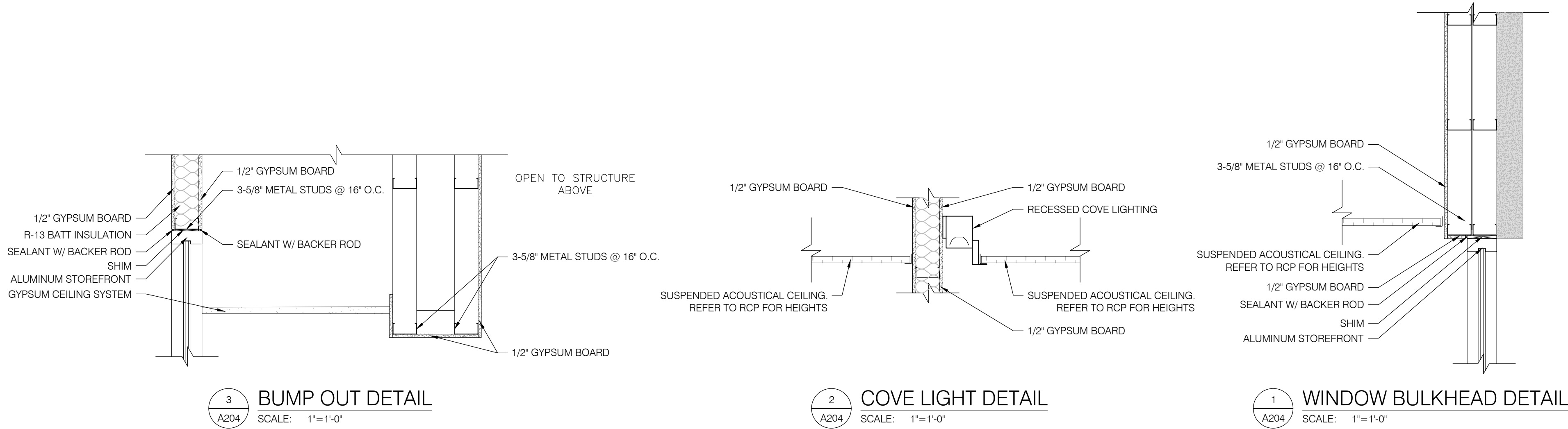
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& DETAILS

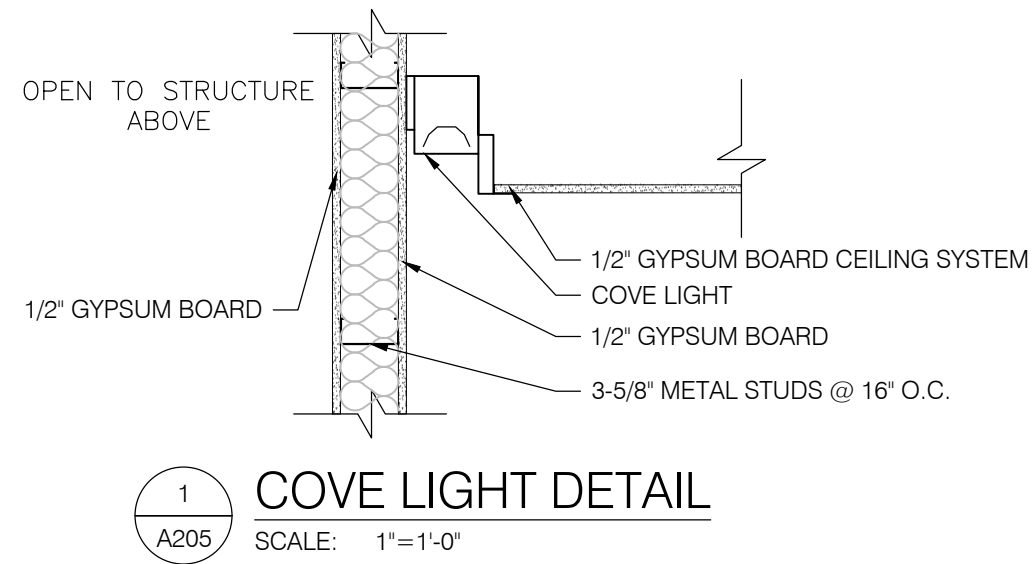
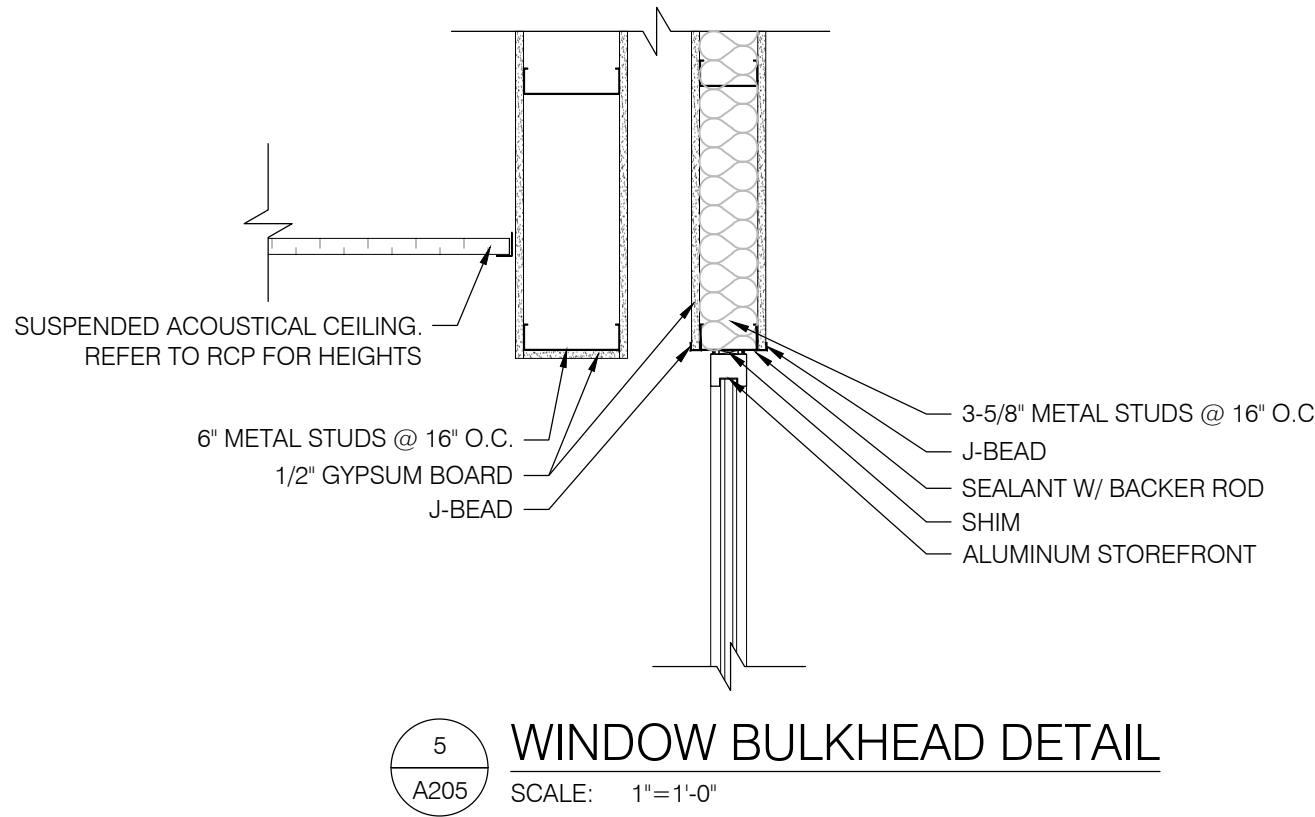
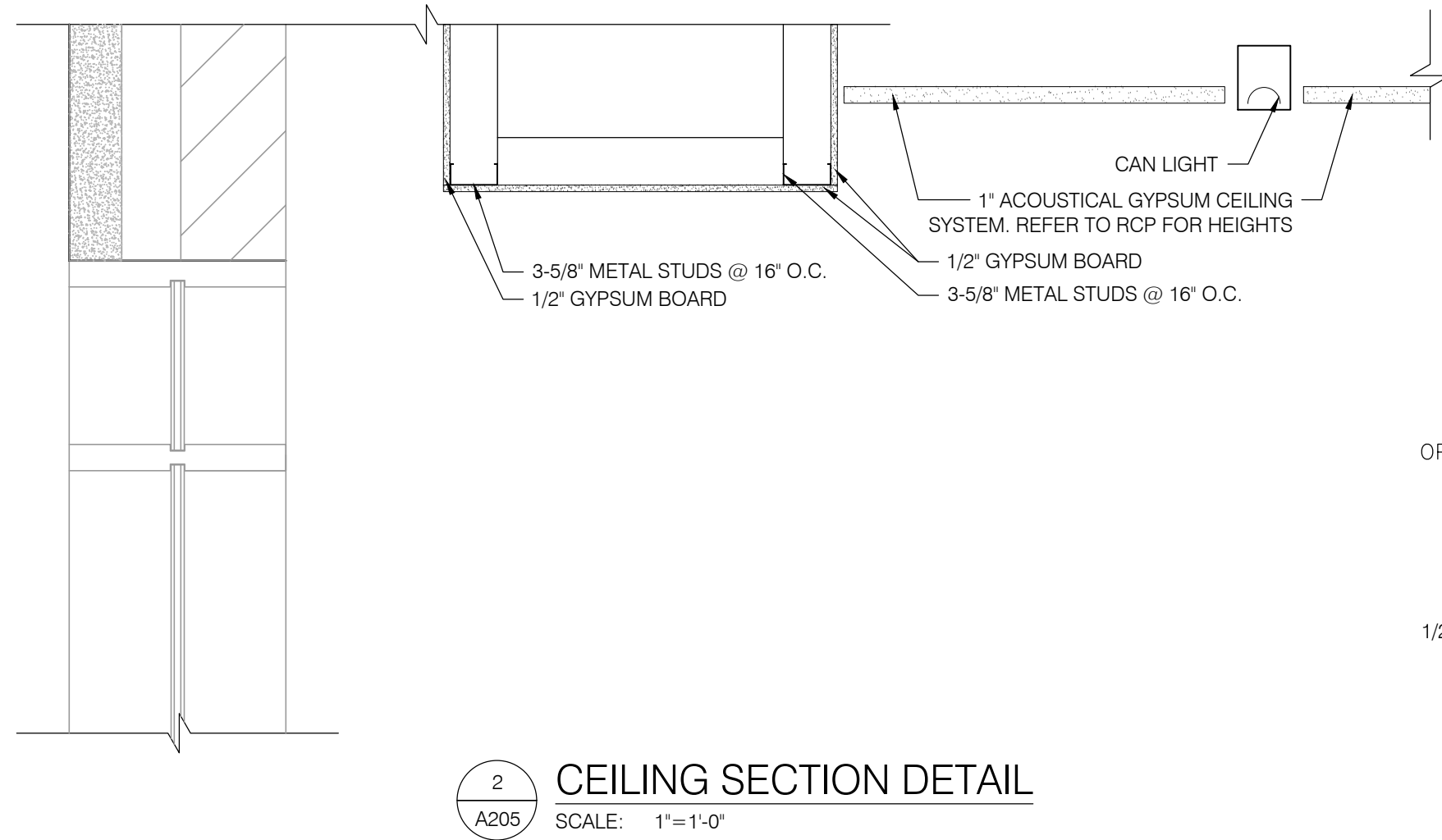
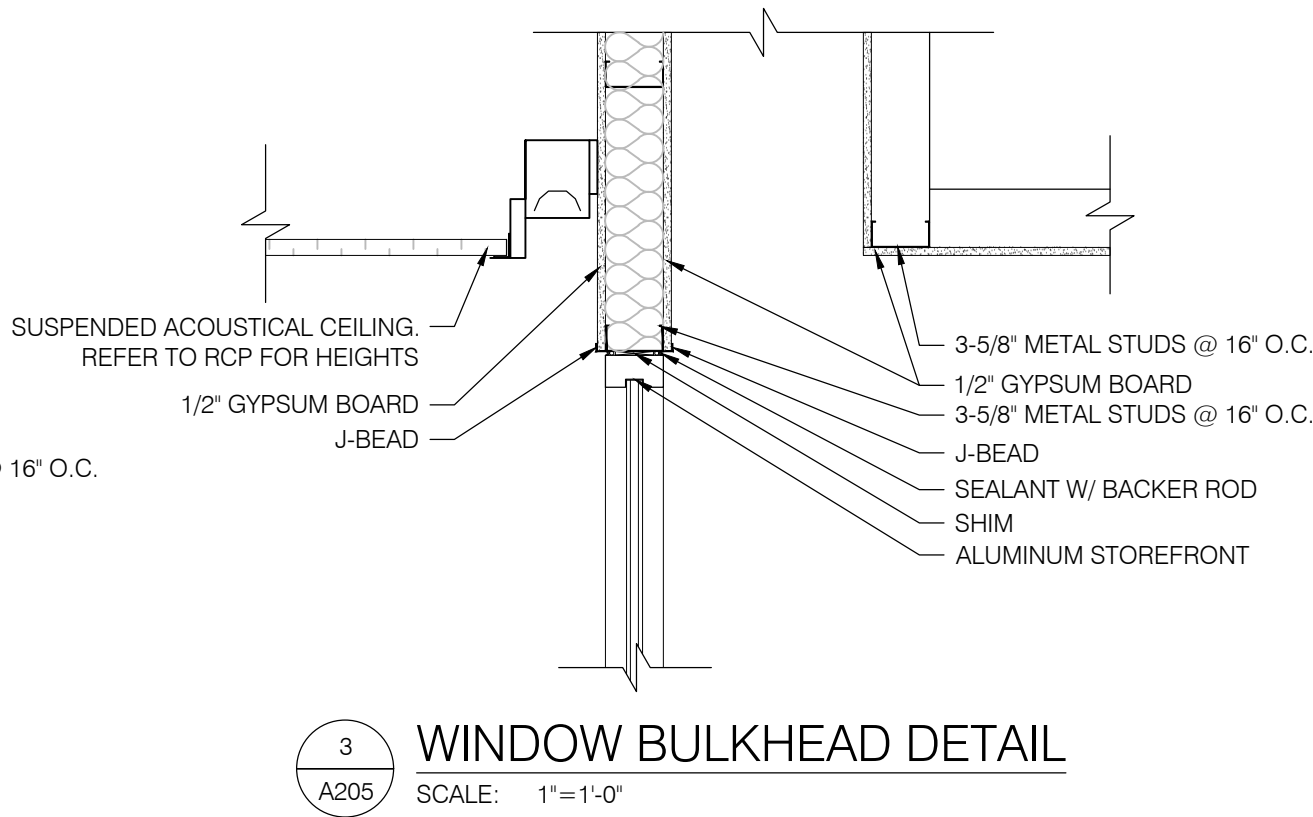
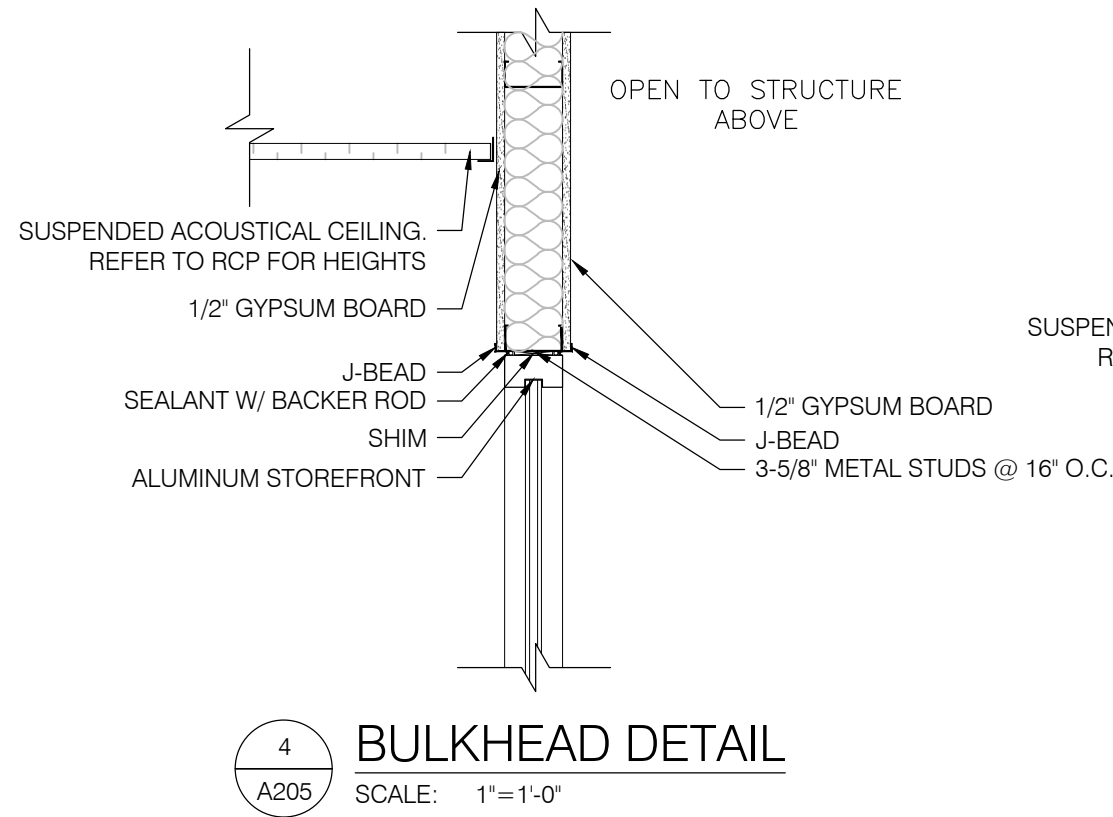
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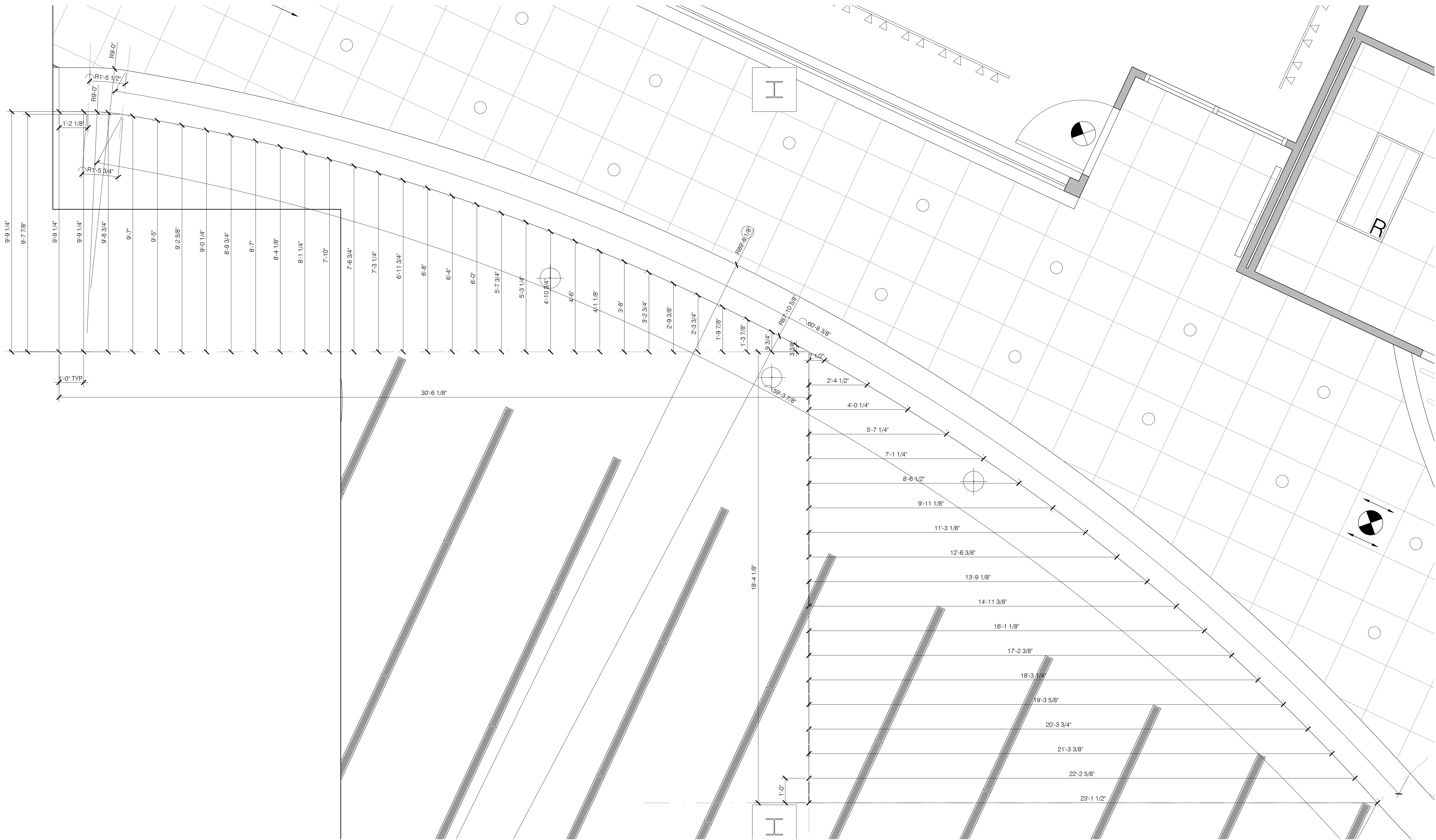
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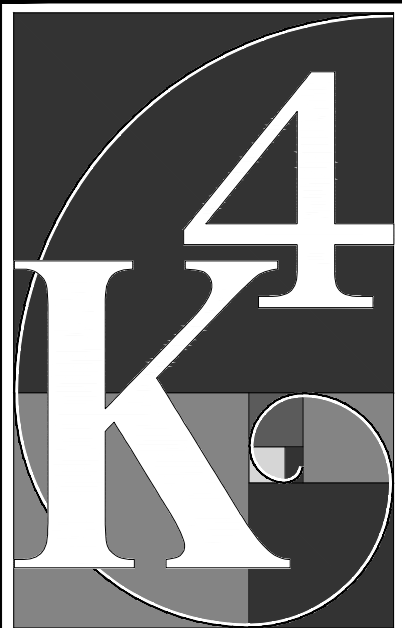
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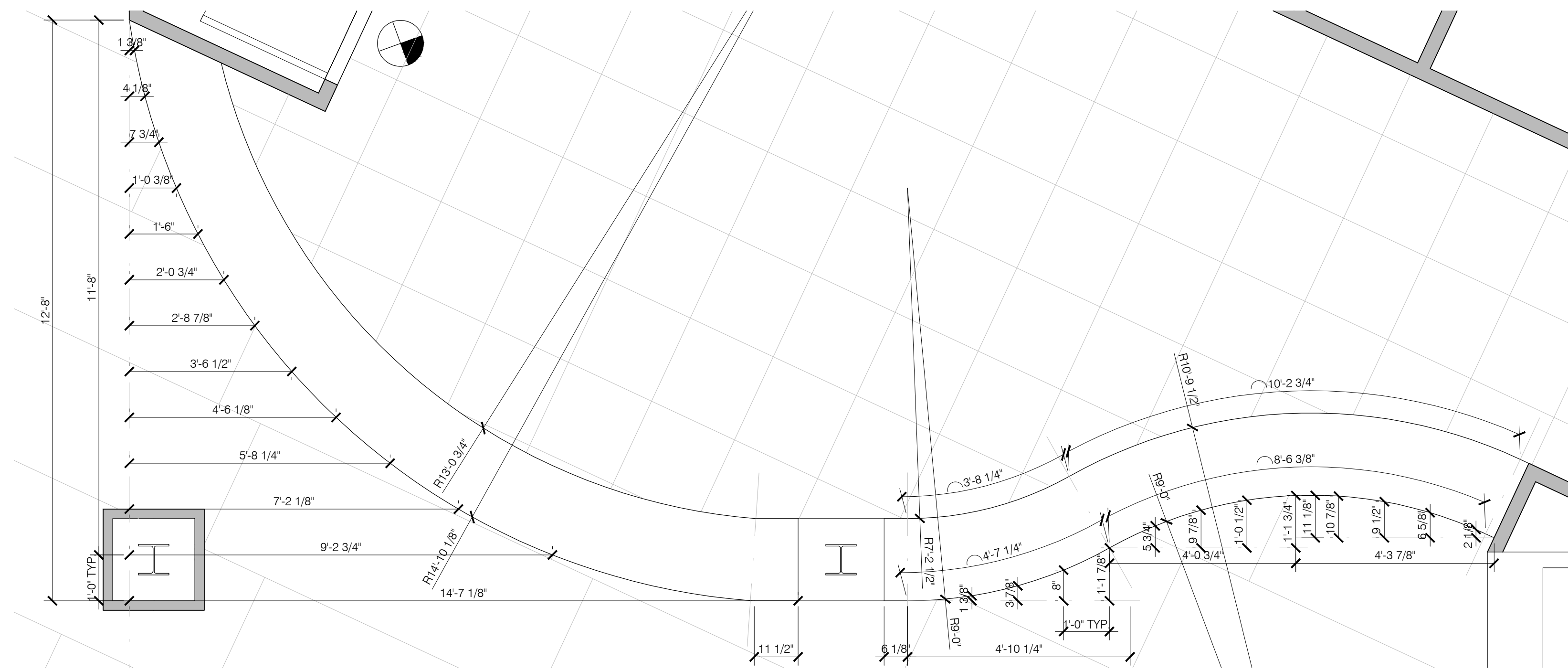
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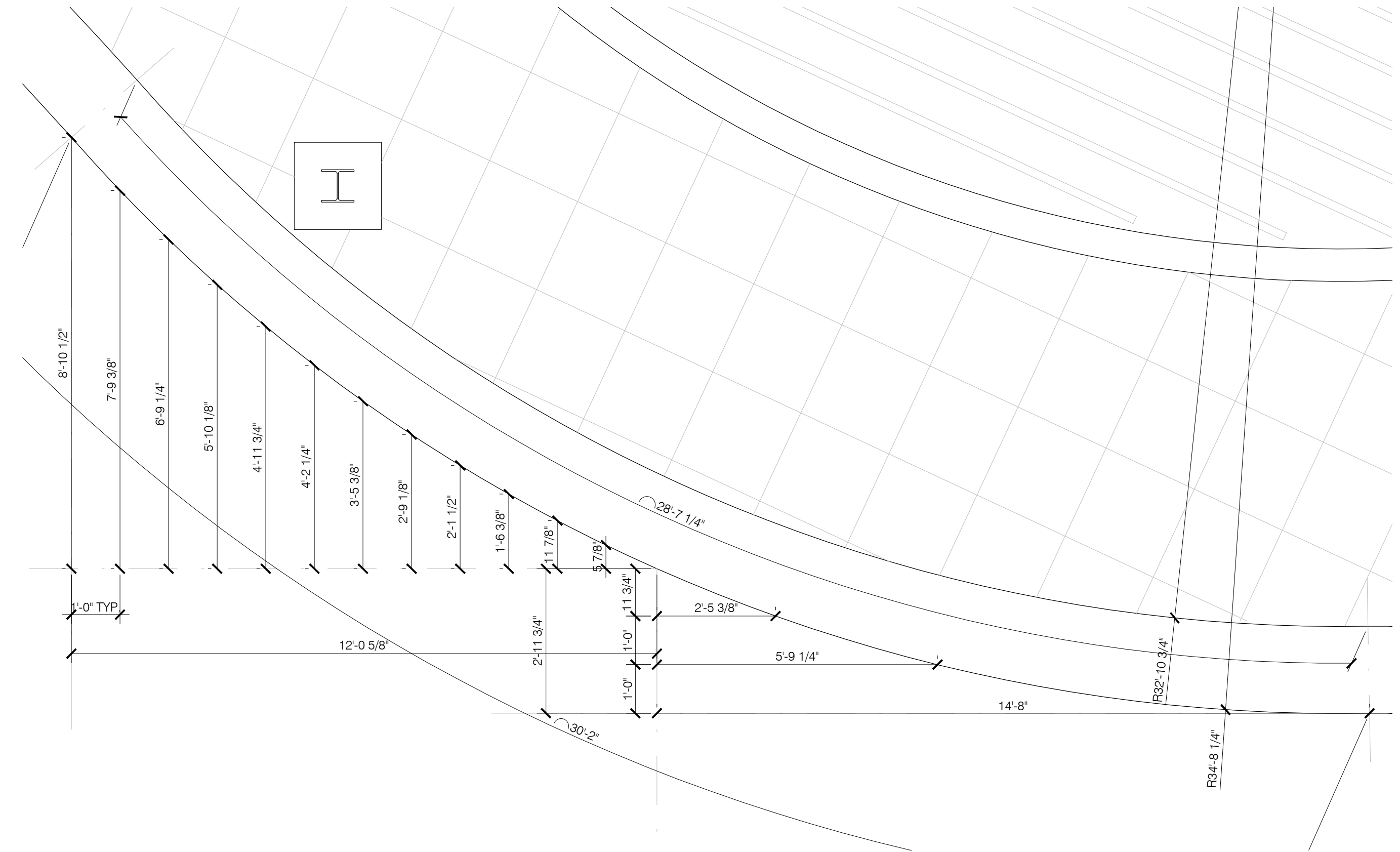
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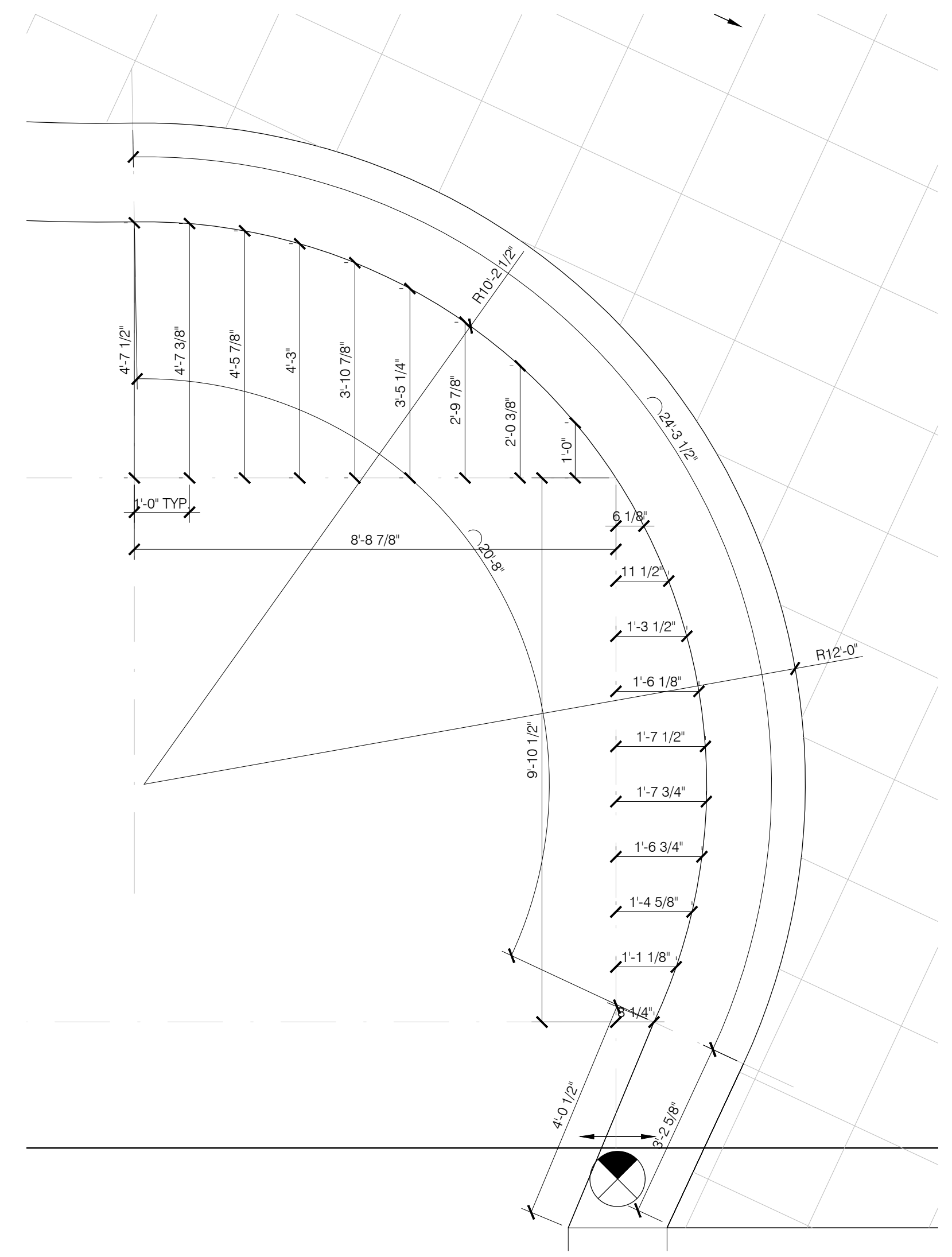
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CIRCULATION
BULKHEAD DETAIL
SCALE: 1/2"=1'-0"



CIRCULATION
BULKHEAD DETAIL
SCALE: 1/2"=1'-0"



CIRCULATION
BULKHEAD DETAIL
SCALE: 1/2"=1'-0"

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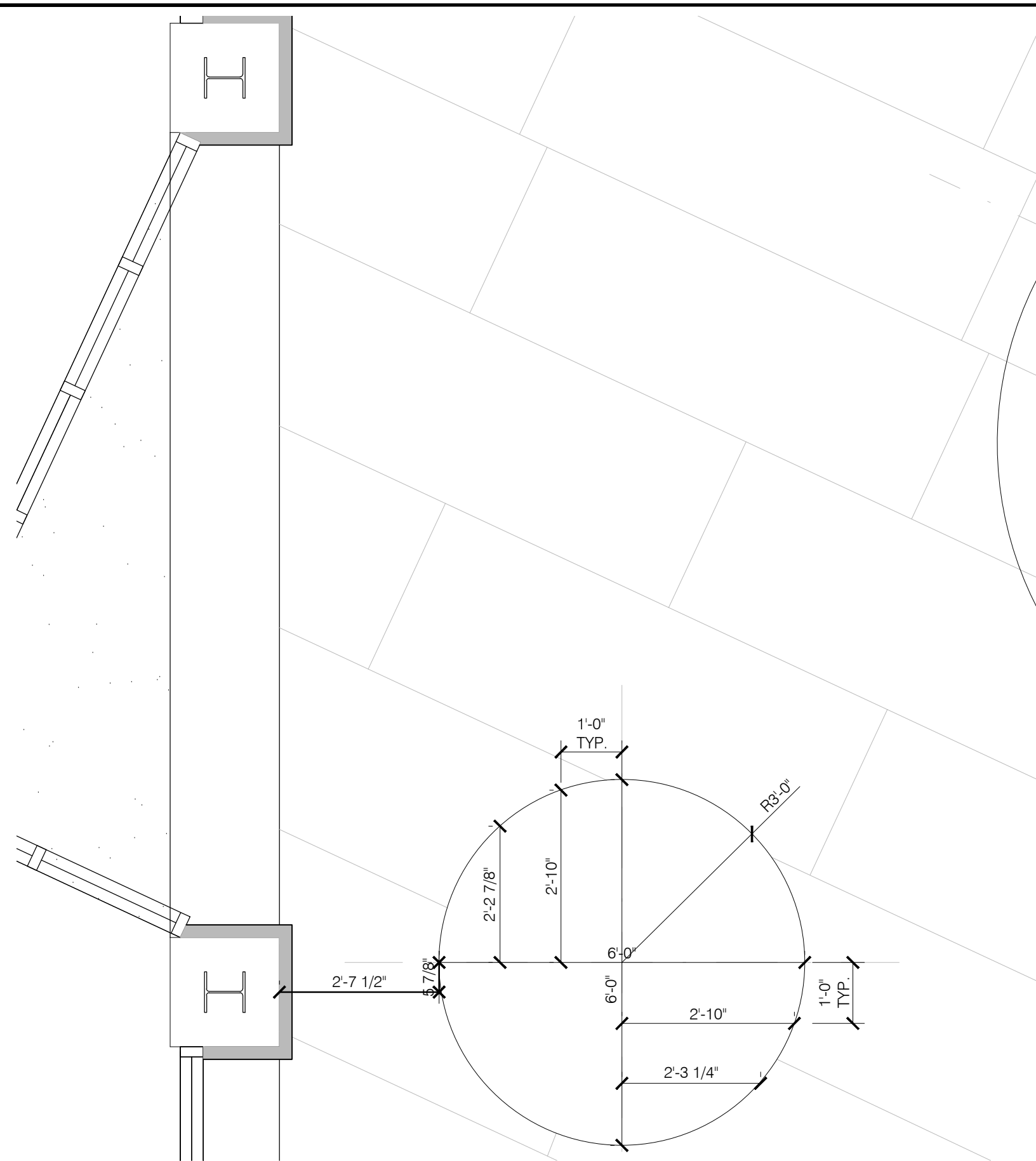
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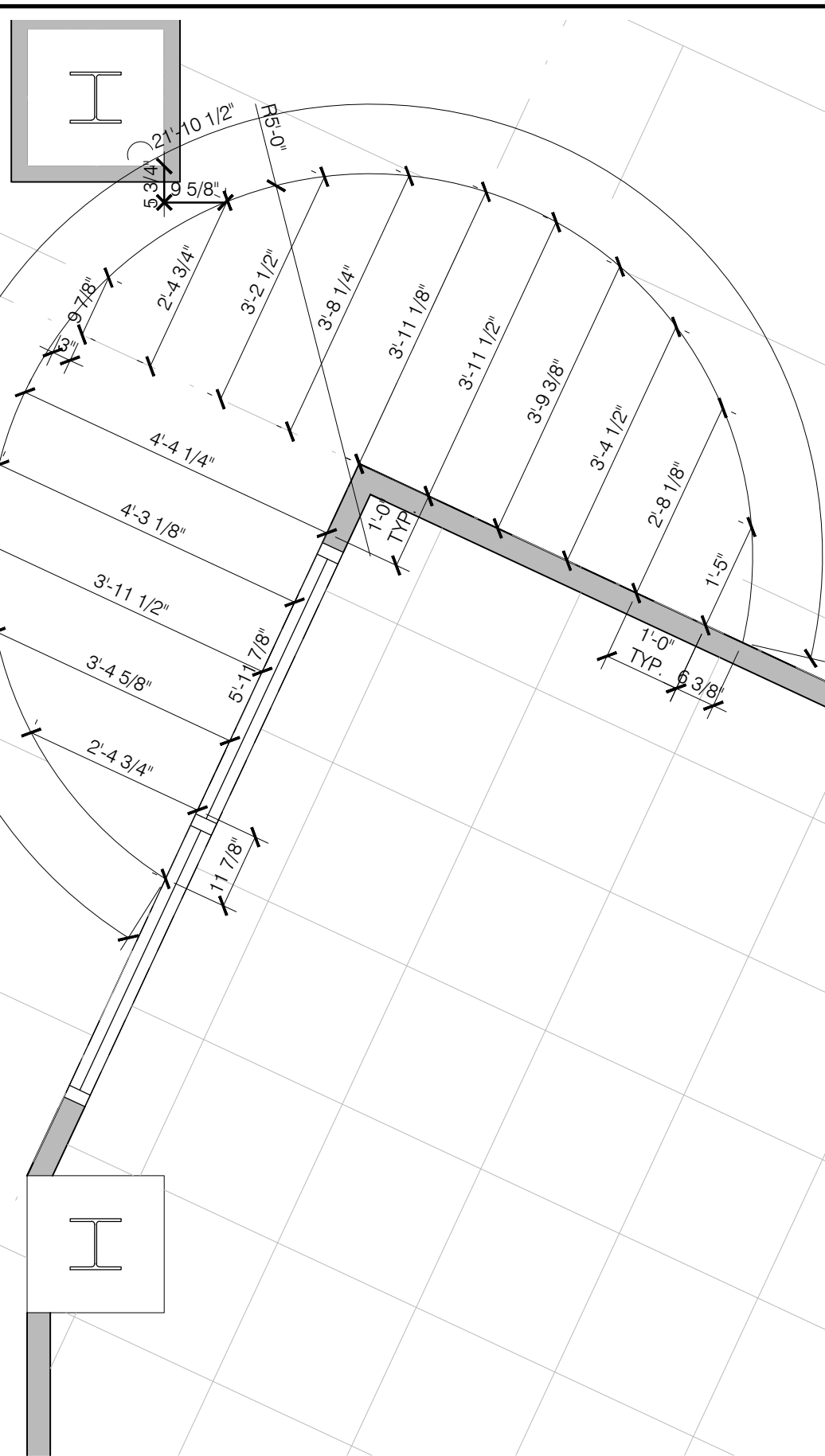
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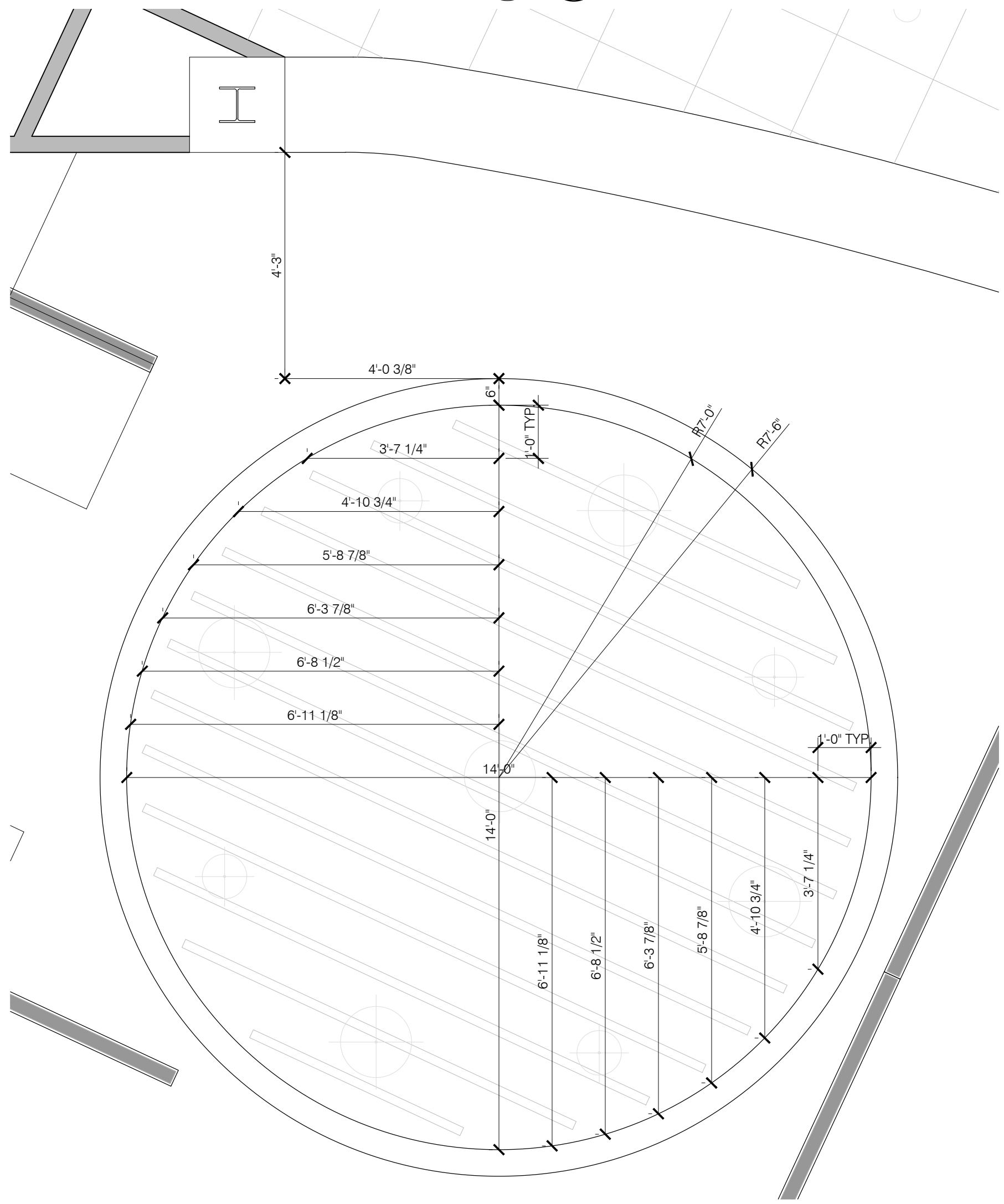
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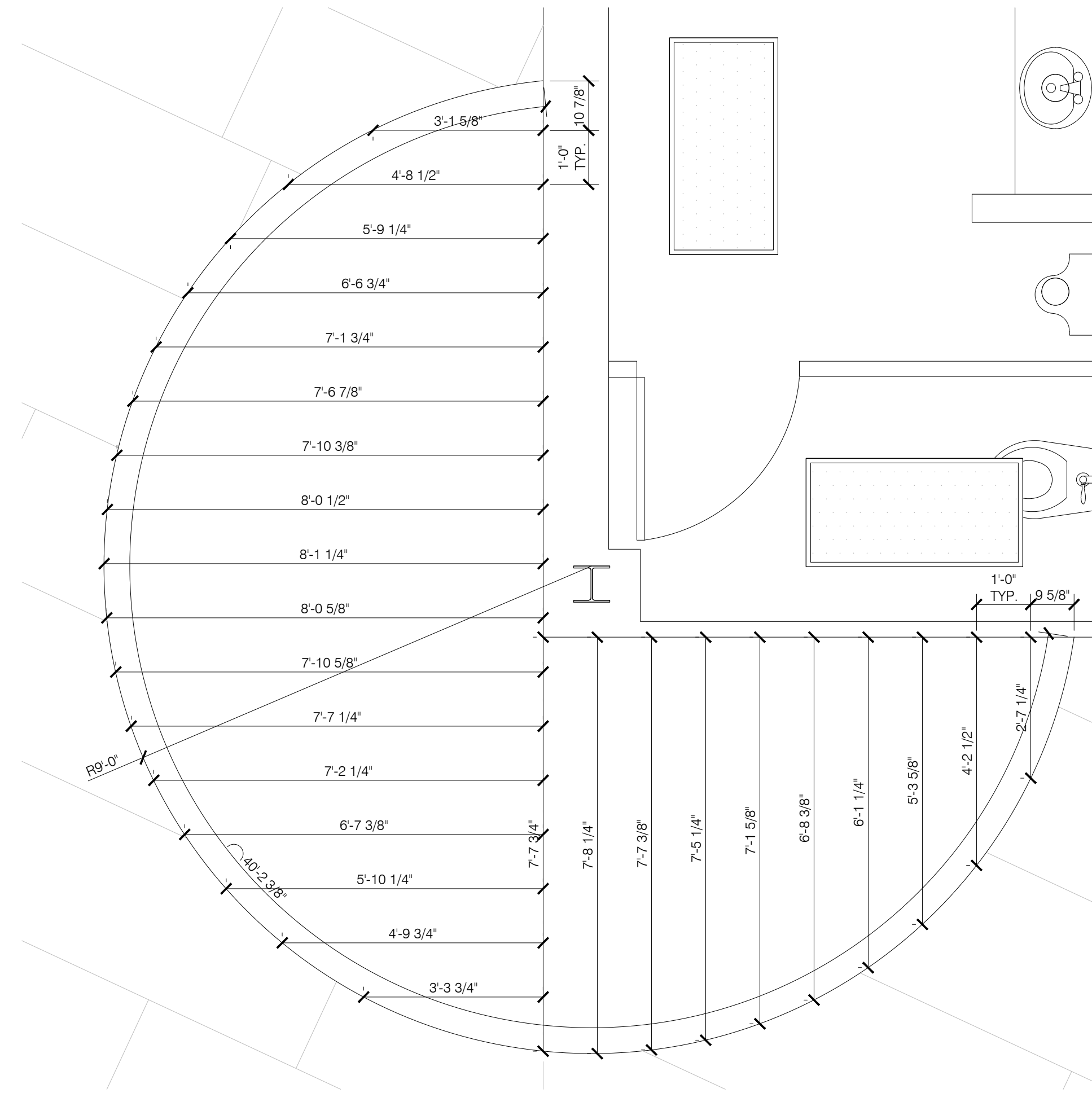
YOUTH STACKS
WOOD CEILING DETAIL
SCALE: 1/2"=1'-0"



YOUTH SERVICE DESK
BULKHEAD DETAIL
SCALE: 1/2"=1'-0"



YOUTH STACKS
BULKHEAD DETAIL
SCALE: 1/2"=1'-0"



YOUTH STACKS
WOOD CEILING DETAIL
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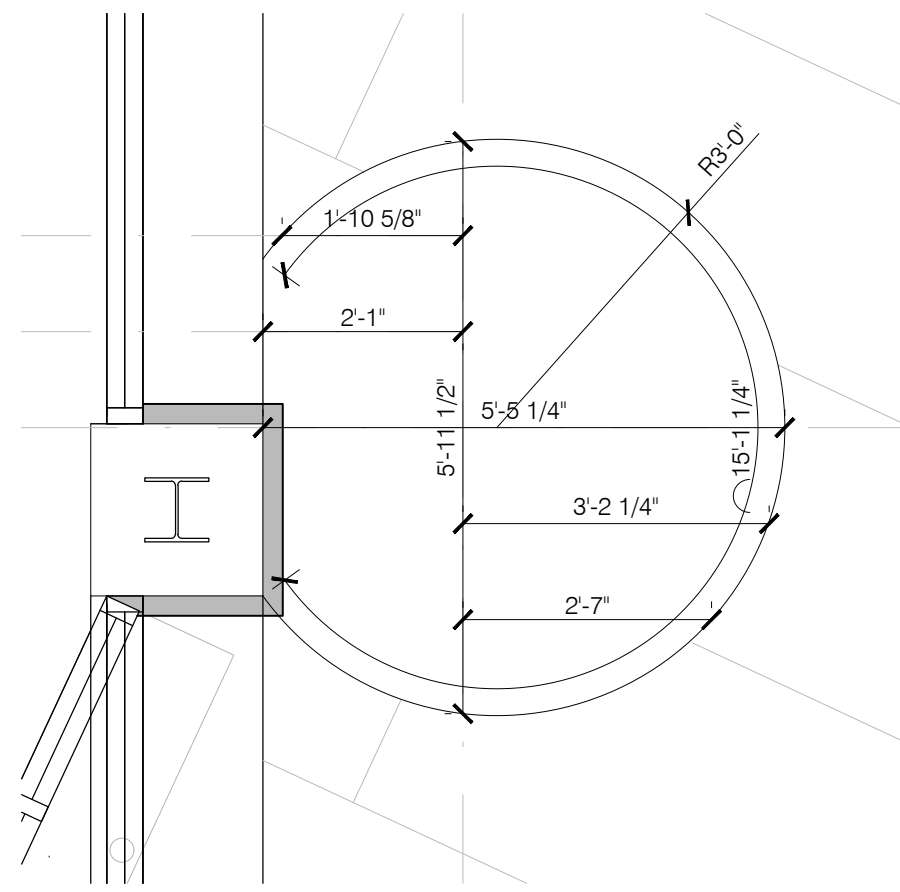
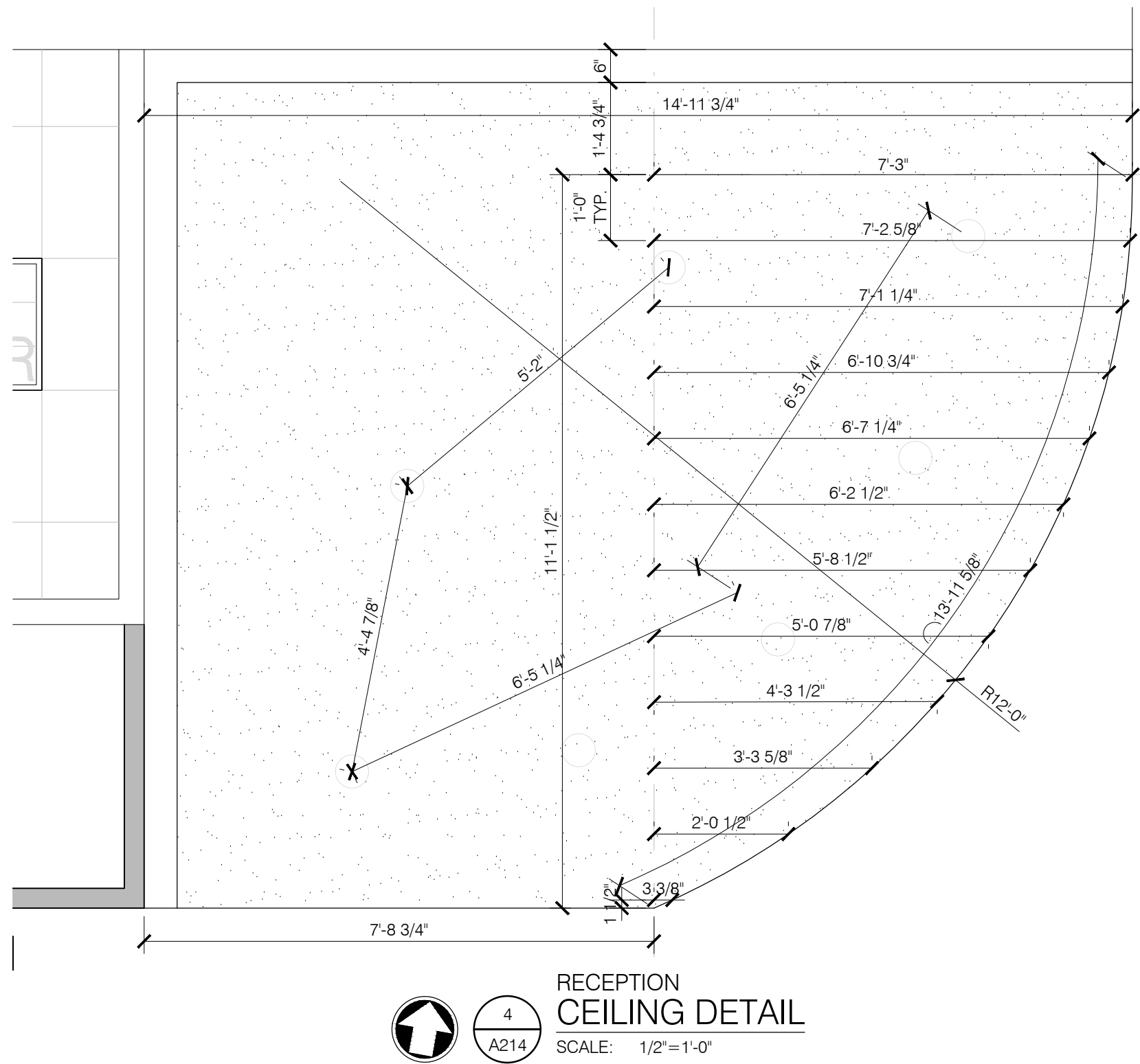
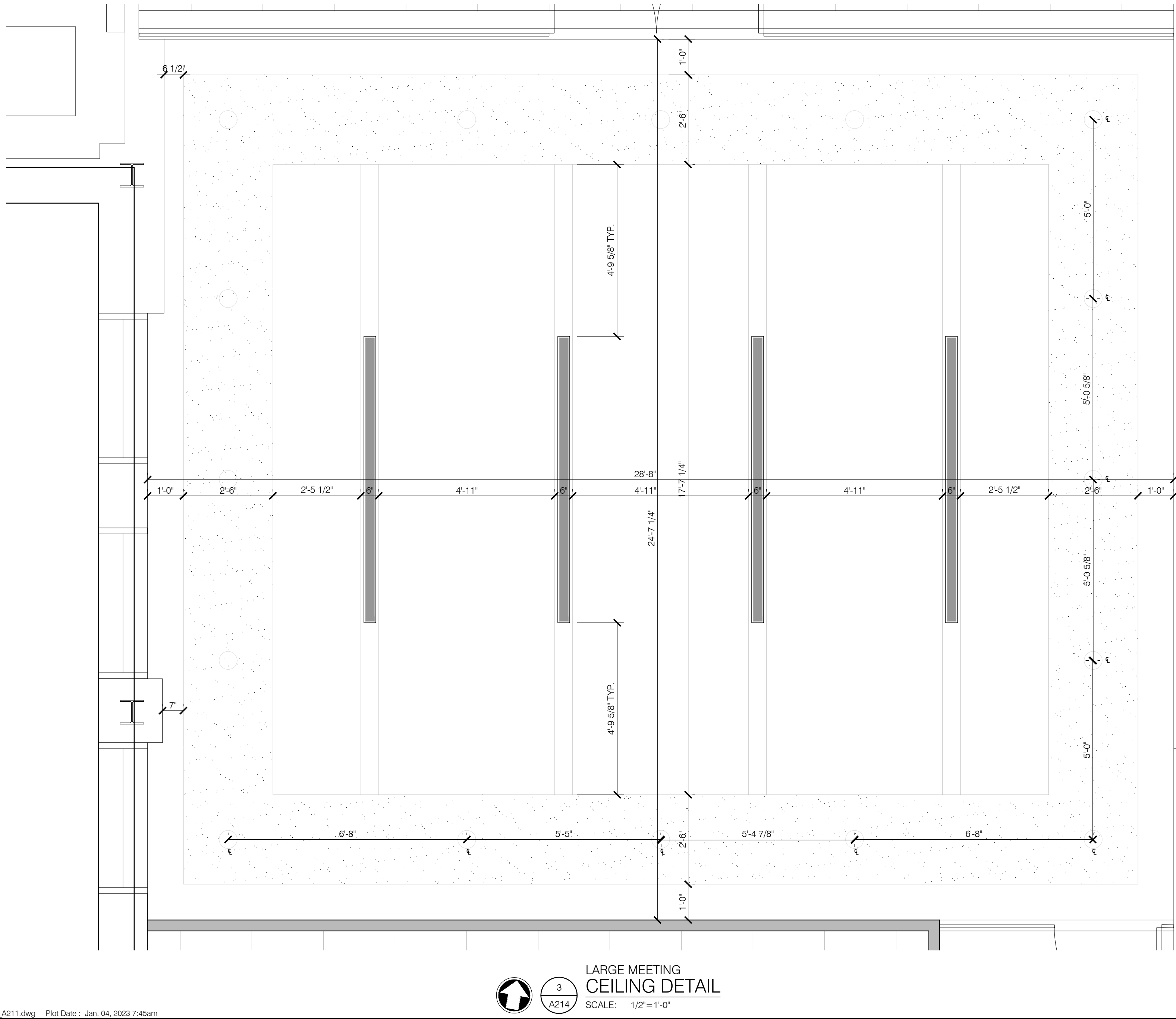
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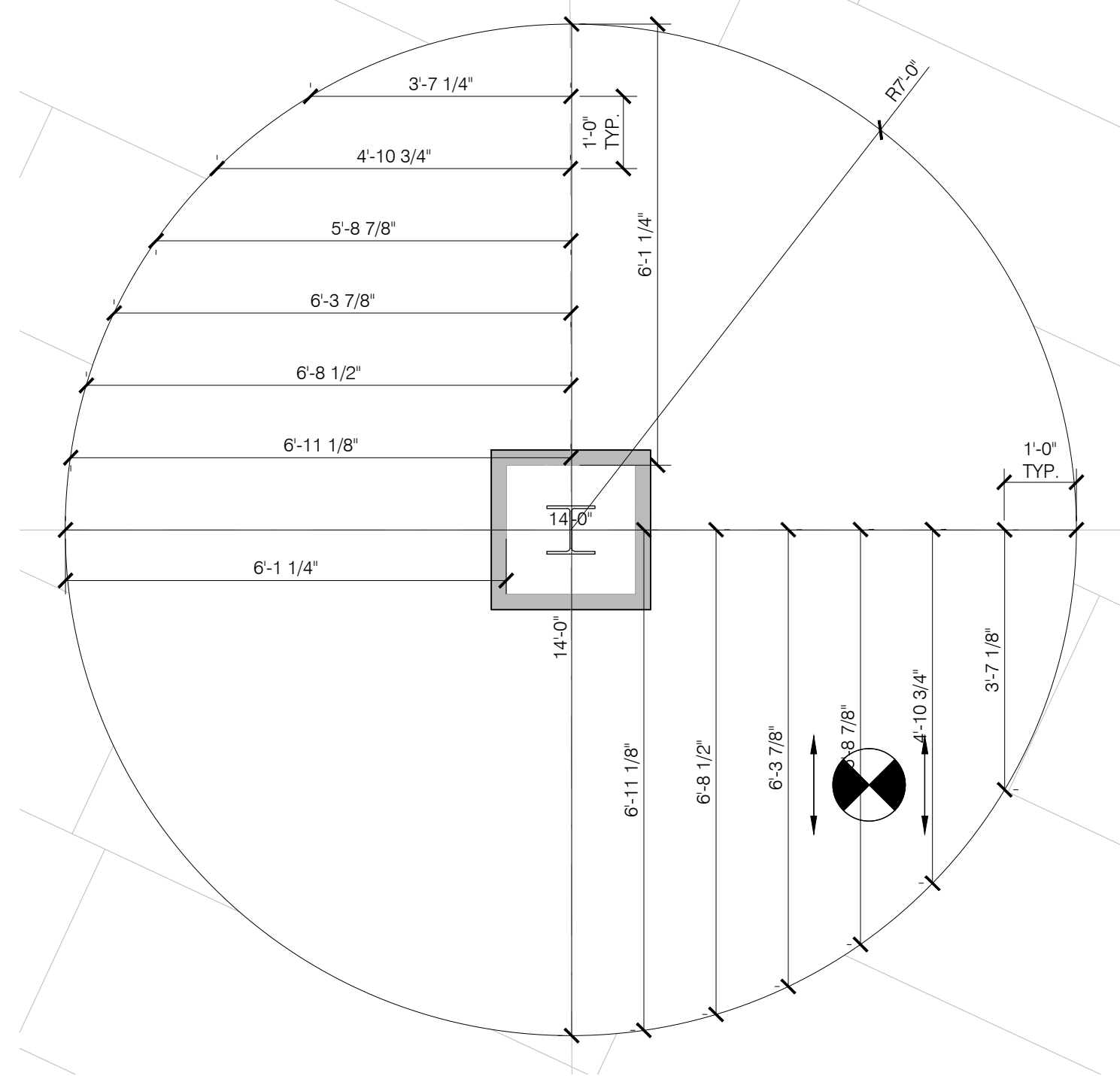
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WOOD CEILING DETAIL
SCALE: 1/2"=1'-0"



WOOD CEILING DETAIL
SCALE: 1/2"=1'-0"

- GENERAL NOTES:
- A. REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
 - B. ALL DIMENSIONS ARE TO THE FACE OF MASONRY, POURED CONCRETE, OR STUDS, UNLESS NOTED OTHERWISE.
 - C. REFER TO INTERIOR FINISH PLANS FOR FINISH SCHEDULE AND PAINT COLORS.
 - D. REFER TO A201 FOR ADDITIONAL CEILING NOTES AND DETAILS.

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Email: info@k4architecture.com

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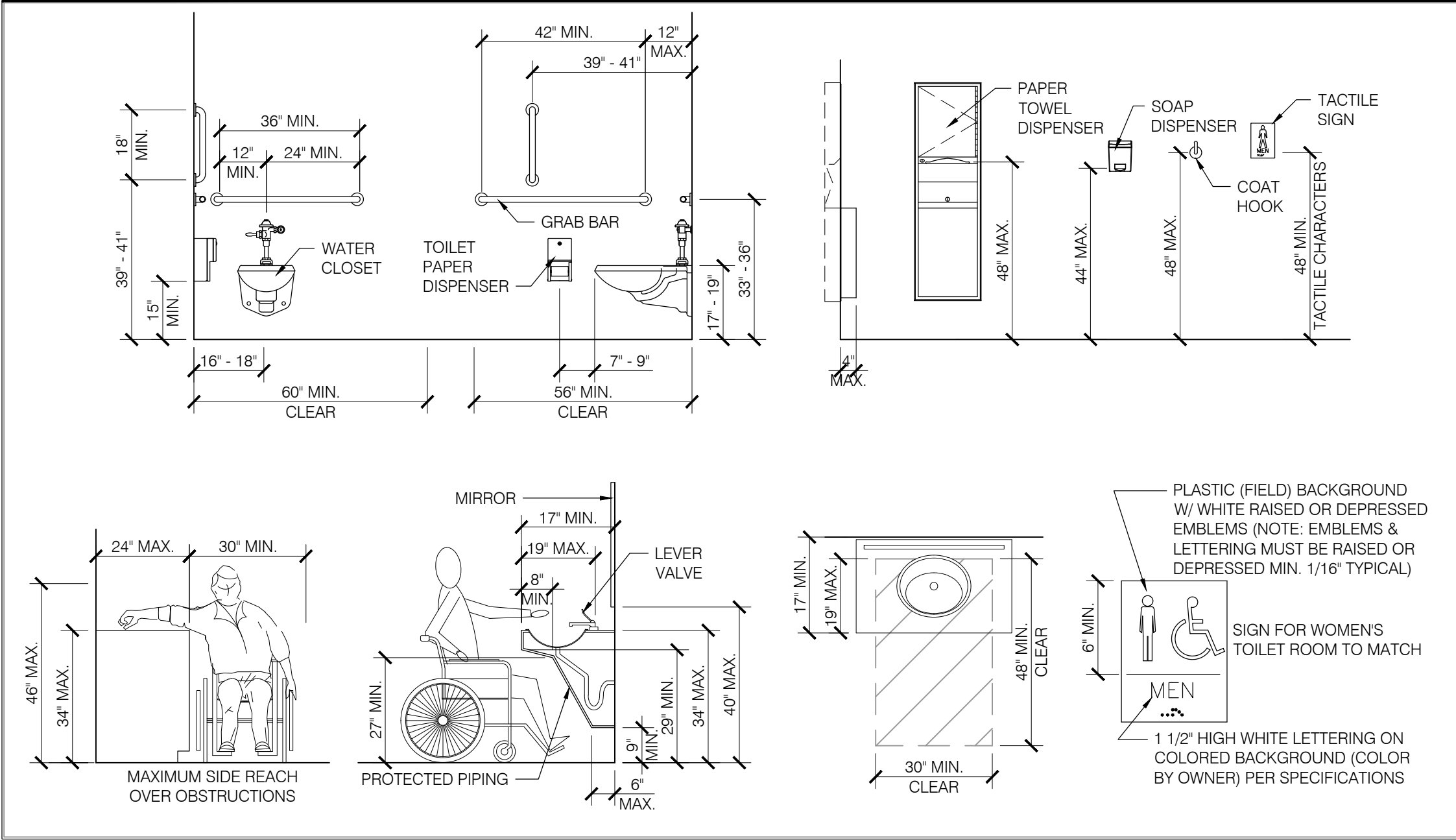
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CONSTRUCTION

ENLARGED
CEILING PLAN
DETAILS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

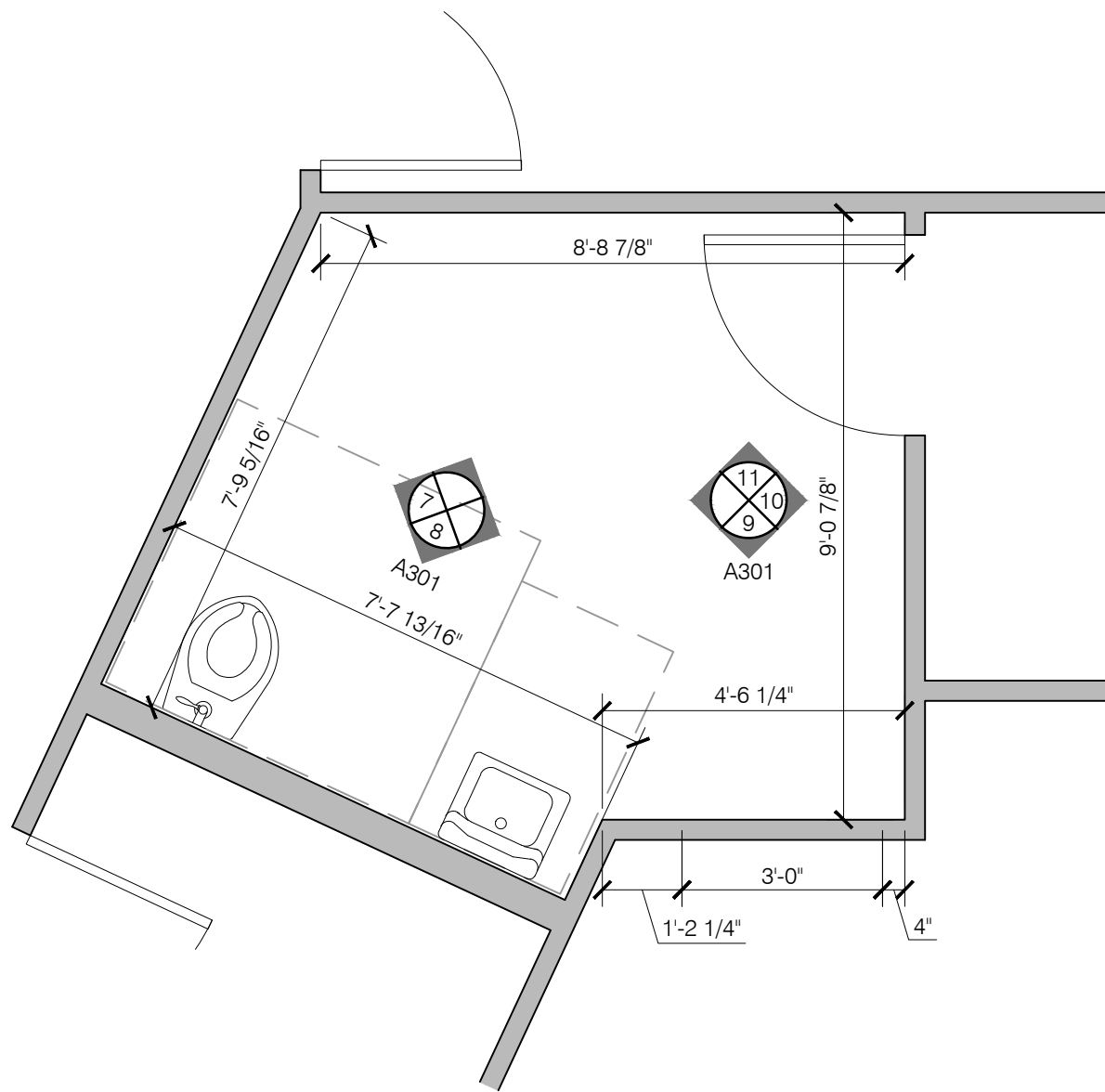
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ADA CODE NOTES

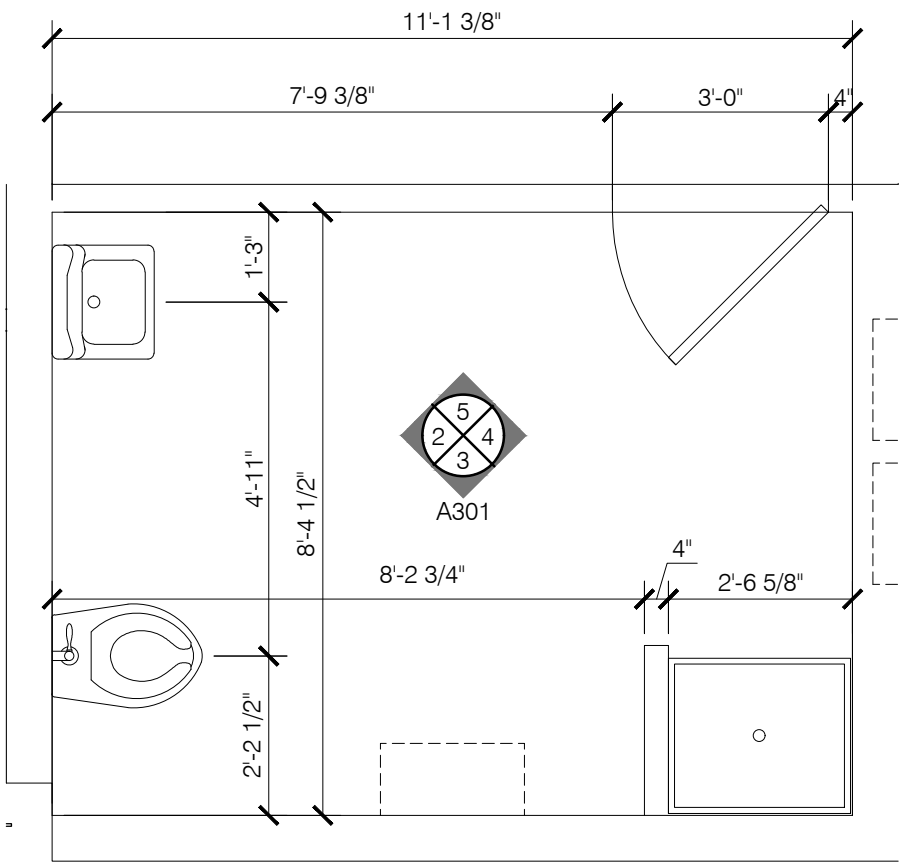


GENERAL NOTES:

- A. REFER TO T001 FOR MORE GENERAL NOTES.
- B. ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.
- C. ALL INTERIOR PARTITIONS ARE 3/4" METAL STUDS AT 16" o.c. WITH 1/2" GYPSUM BOARD EACH SIDE, UNLESS NOTED OTHERWISE.
- D. REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
- E. COORDINATE DOOR SIZES AND OPENING WITH SCHEDULE ON SHEET A801. NOTIFY ARCHITECT IN CASE OF ANY DISCREPANCIES.
- F. PROVIDE 2X BLOCKING @ ALL WALL HUNG CASEWORK, FIXTURES, AND SHELVES.



RESTROOM 134
ENLARGED PLAN
SCALE: 3/8" = 1'-0"



RESTROOM 128
ENLARGED PLAN
SCALE: 3/8" = 1'-0"

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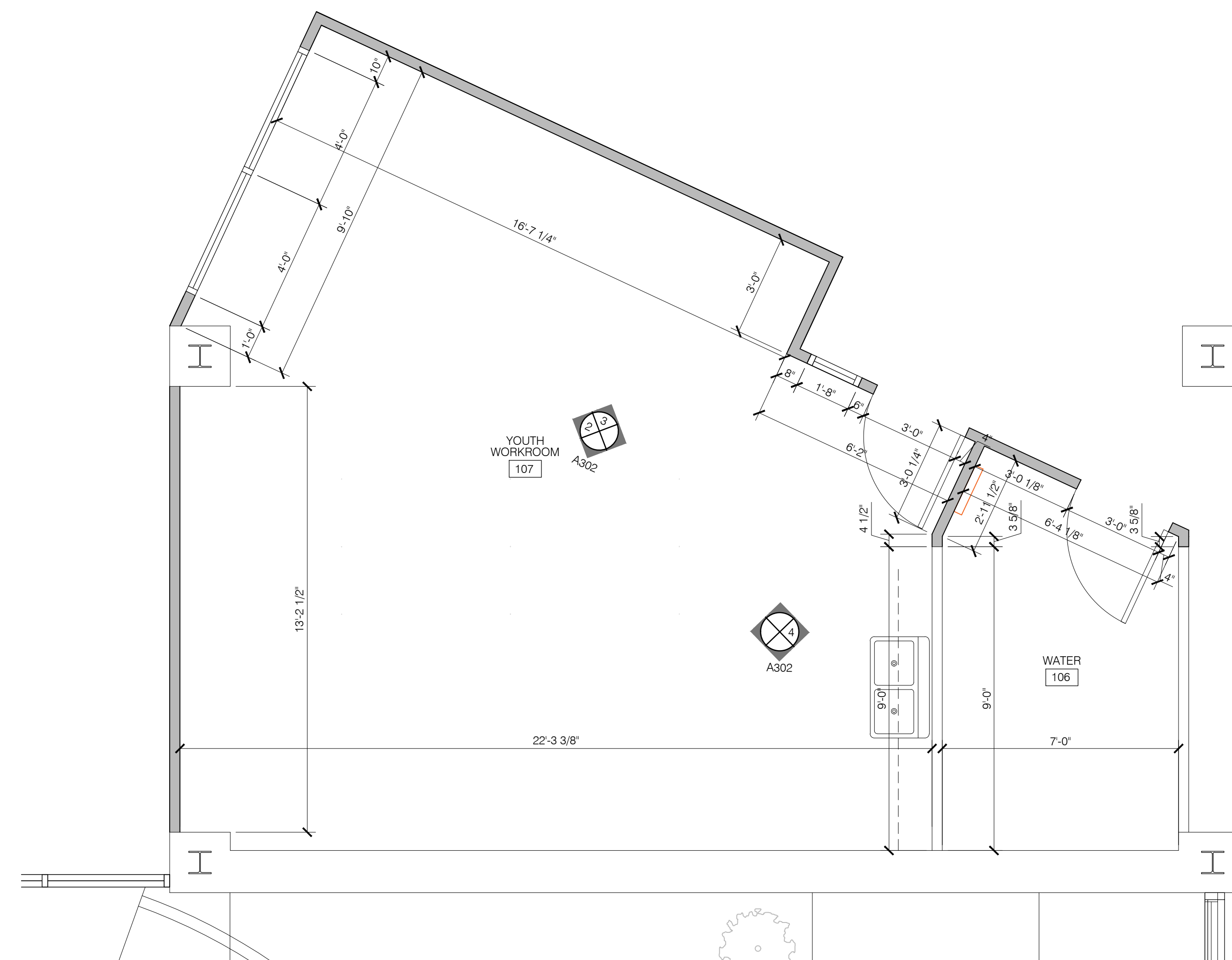
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FIRST FLOOR
ENLARGED PLANS,
ELEVATIONS, &
DETAILS

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Scale: AS NOTED
Job No.: 21-2113

A301





 YOUTH WORKROOM 110
 ENLARGED PLAN
 SCALE: $3/8" = 1'-0"$

A. REFER TO T001 FOR MORE GENERAL NOTES.

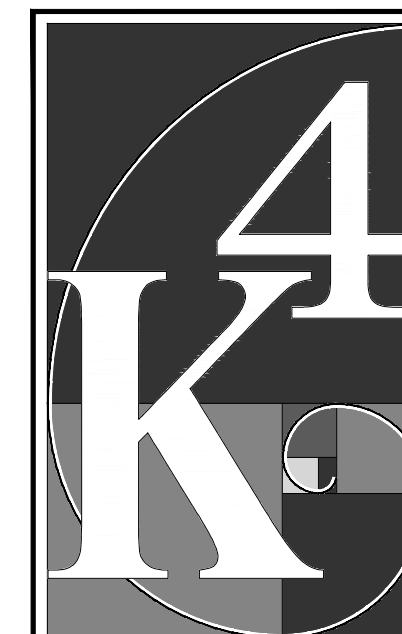
B. ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.

C. ALL INTERIOR PARTITIONS ARE 3/8" METAL STUDS AT 16"o.c. WITH 1/2" GYPSUM BOARD EACH SIDE, UNLESS NOTED OTHERWISE.

D. REFER TO INTERIOR FINISH PLANES AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.

E. COORDINATE: DOOR SCHEDULE OPENING WITH SCHEDULE ON SHEET A801. NOTIFY ARCHITECT IN CASE OF ANY DISCREPANCIES.

F. PROVIDE 2X BLOCKING @ ALL WALL HUNG CASEWORK, FIXTURES, AND SHELVES.



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[illegible]

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FIRST FLOOR
ENLARGED PLANS,
ELEVATIONS, &
DETAILS

Drawn By:	BBJ, TW
Scale:	AS NOTED
Job No.:	21-2113

A302



- A. REFER TO T001 FOR MORE GENERAL NOTES.
- B. ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.
- C. ALL INTERIOR PARTITIONS ARE 3/4" METAL STUDS AT 16" o.c. WITH 1/2" GYPSUM BOARD EACH SIDE, UNLESS NOTED OTHERWISE.
- D. REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
- E. CORNER AND DOOR SIZES TO OPENING WITH SCHEDULE ON SHEET A801. NOTIFY ARCHITECT IN CASE OF ANY DISCREPANCIES.
- F. PROVIDE 2X BLOCKING @ ALL WALL HUNG CASEWORK, FIXTURES, AND SHELVES.



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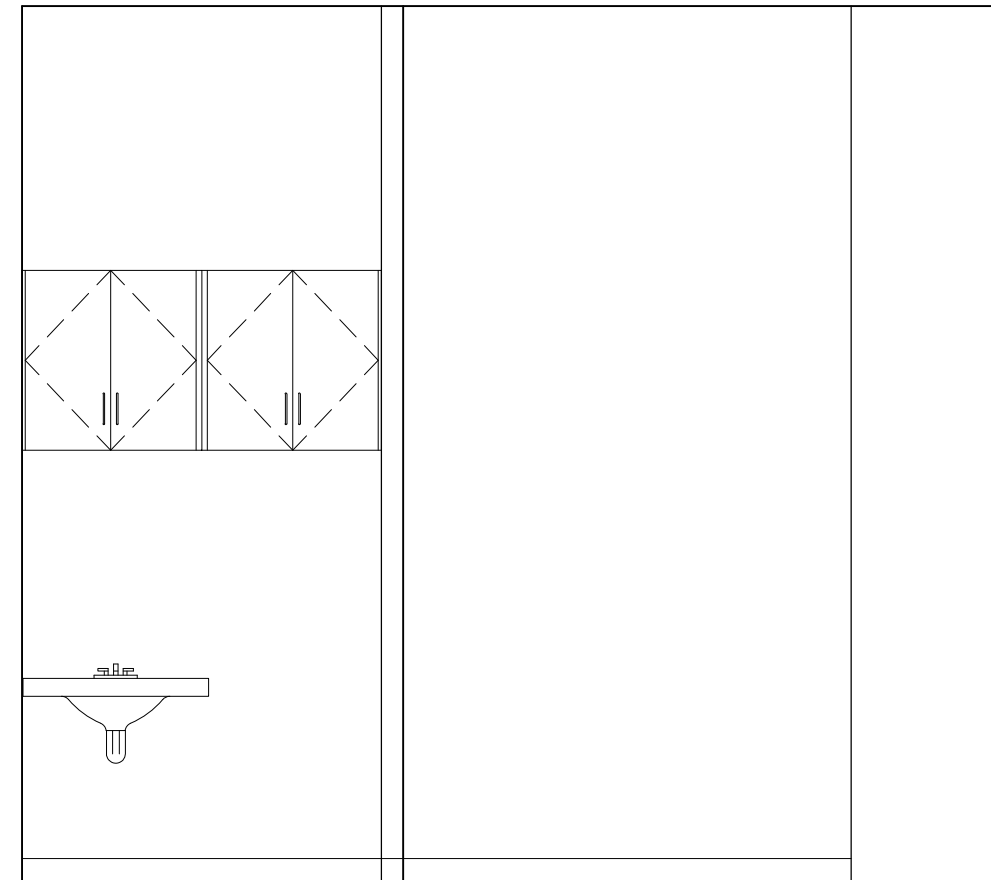
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Drawn By:	BBJ, TW
Scale:	AS NOTED
Job No.:	21-2113

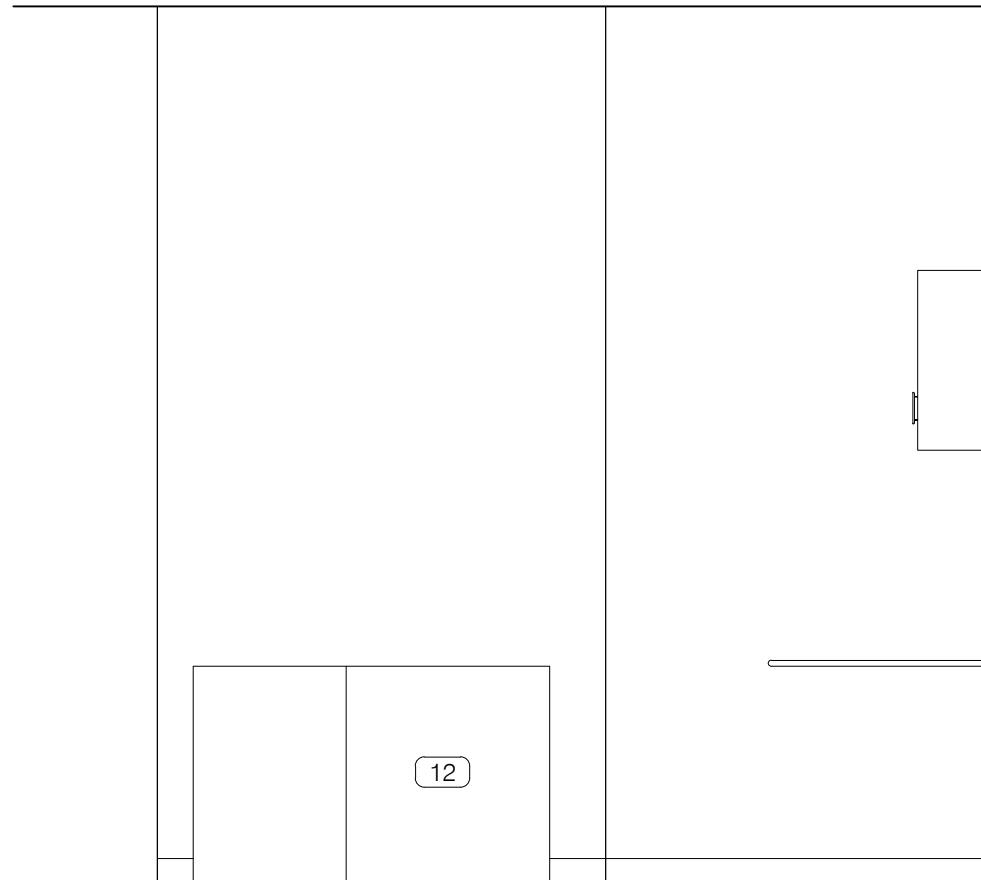
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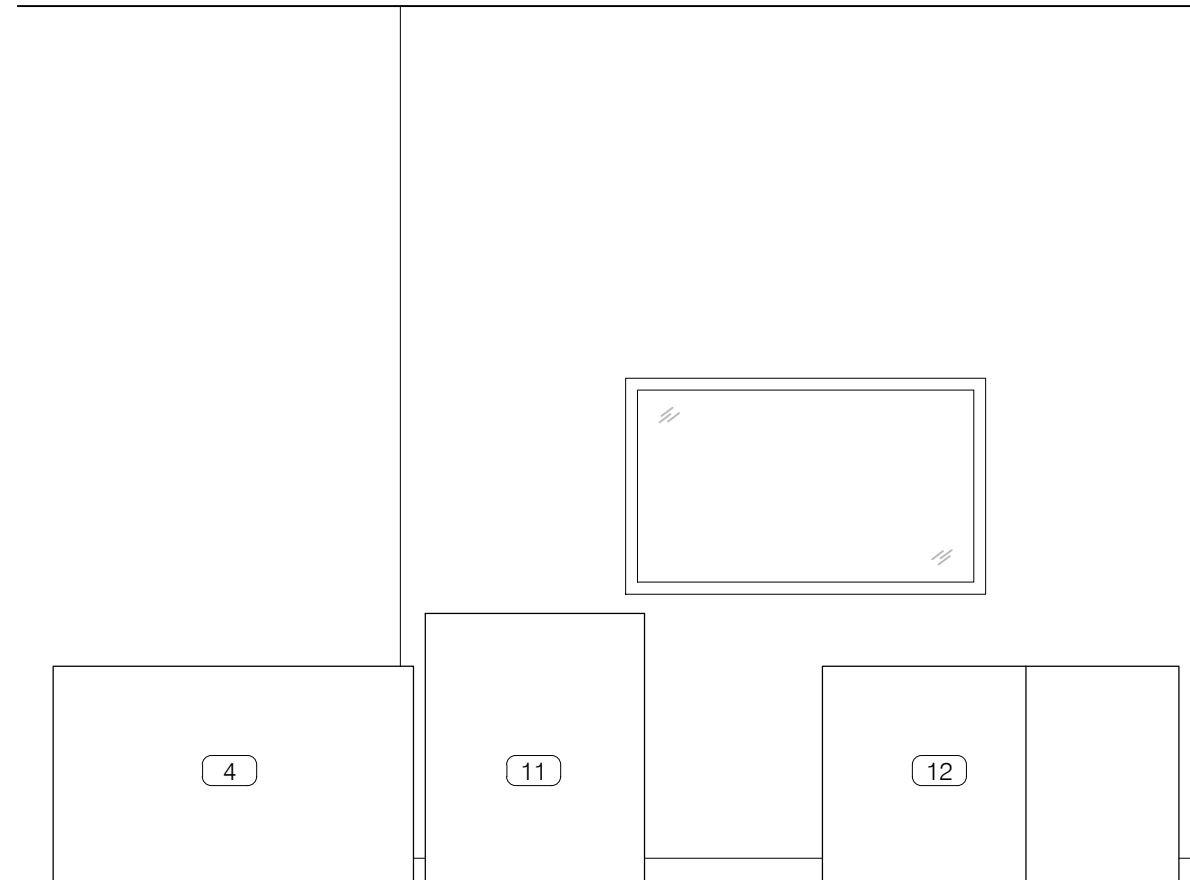
MAKERSPACE 127
ELEVATION
5
A304
SCALE: 3/8" = 1'-0"



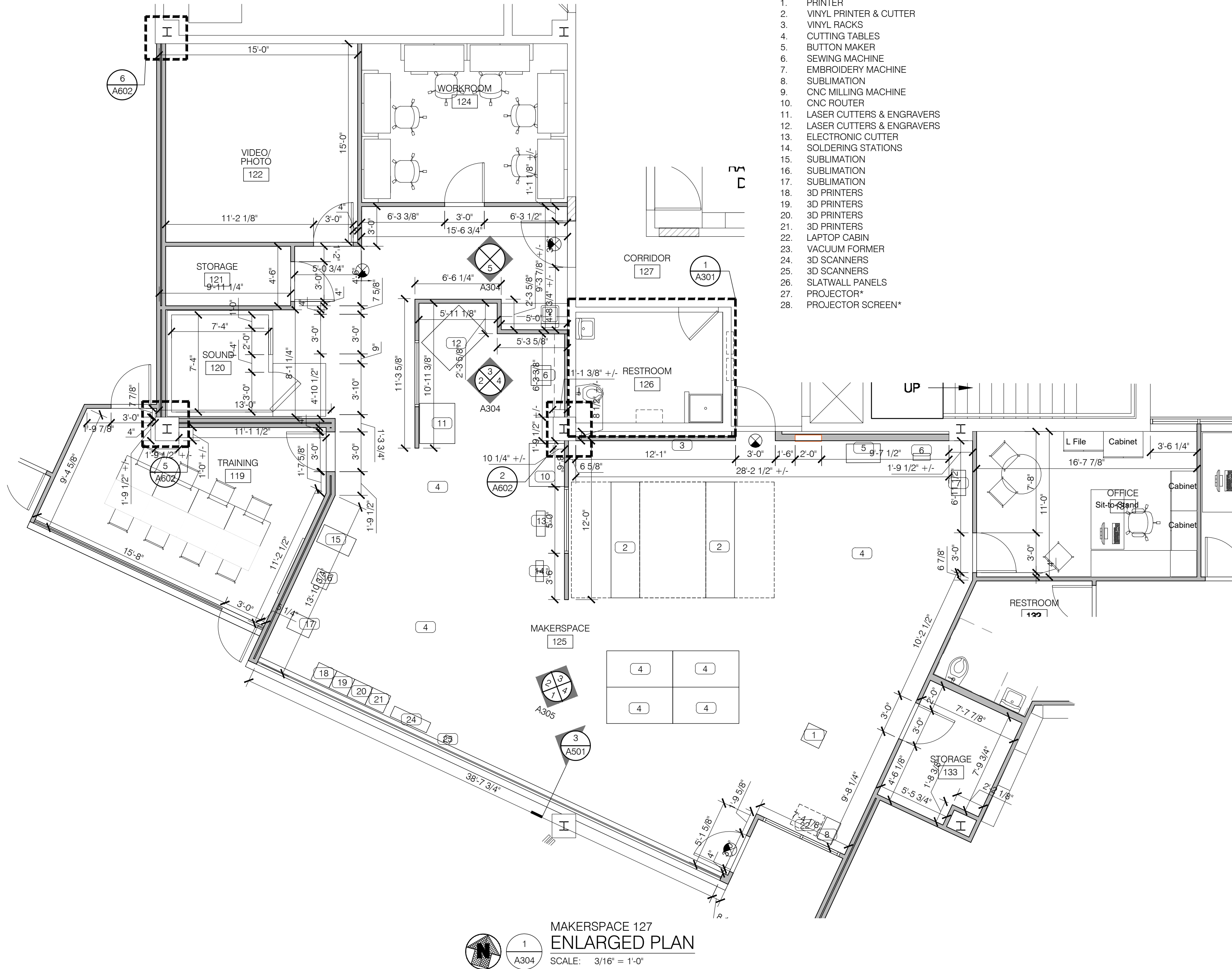
MAKERSPACE 127
ELEVATION
4
A304
SCALE: 3/8" = 1'-0"



MAKERSPACE 127
ELEVATION
3
A304
SCALE: 3/8" = 1'-0"



MAKERSPACE 127
ELEVATION
2
A304
SCALE: 3/8" = 1'-0"



EQUIPMENT LIST (BY OWNER):

1. PRINTER
2. VINYL PRINTER & CUTTER
3. VINYL RACKS
4. CUTTING TABLES
5. BUTTON MAKER
6. SEWING MACHINE
7. EMBROIDERY MACHINE
8. SUBLIMATION
9. CNC MILLING MACHINE
10. CNC ROUTER
11. LASER CUTTERS & ENGRAVERS
12. LASER CUTTERS & ENGRAVERS
13. ELECTRONIC CUTTER
14. SOLDERING STATIONS
15. SUBLIMATION
16. SUBLIMATION
17. SUBLIMATION
18. 3D PRINTERS
19. 3D PRINTERS
20. 3D PRINTERS
21. 3D PRINTERS
22. LAPTOP CABIN
23. VACUUM FORMER
24. 3D SCANNERS
25. 3D SCANNERS
26. SLATWALL PANELS
27. PROJECTOR*
28. PROJECTOR SCREEN*

GENERAL NOTES:

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- C. ALL INTERIOR PARTITIONS ARE 3 1/2" METAL STUDS AT 16" o.c. WITH 1/2" GYPSUM BOARD EACH SIDE, UNLESS NOTED OTHERWISE.
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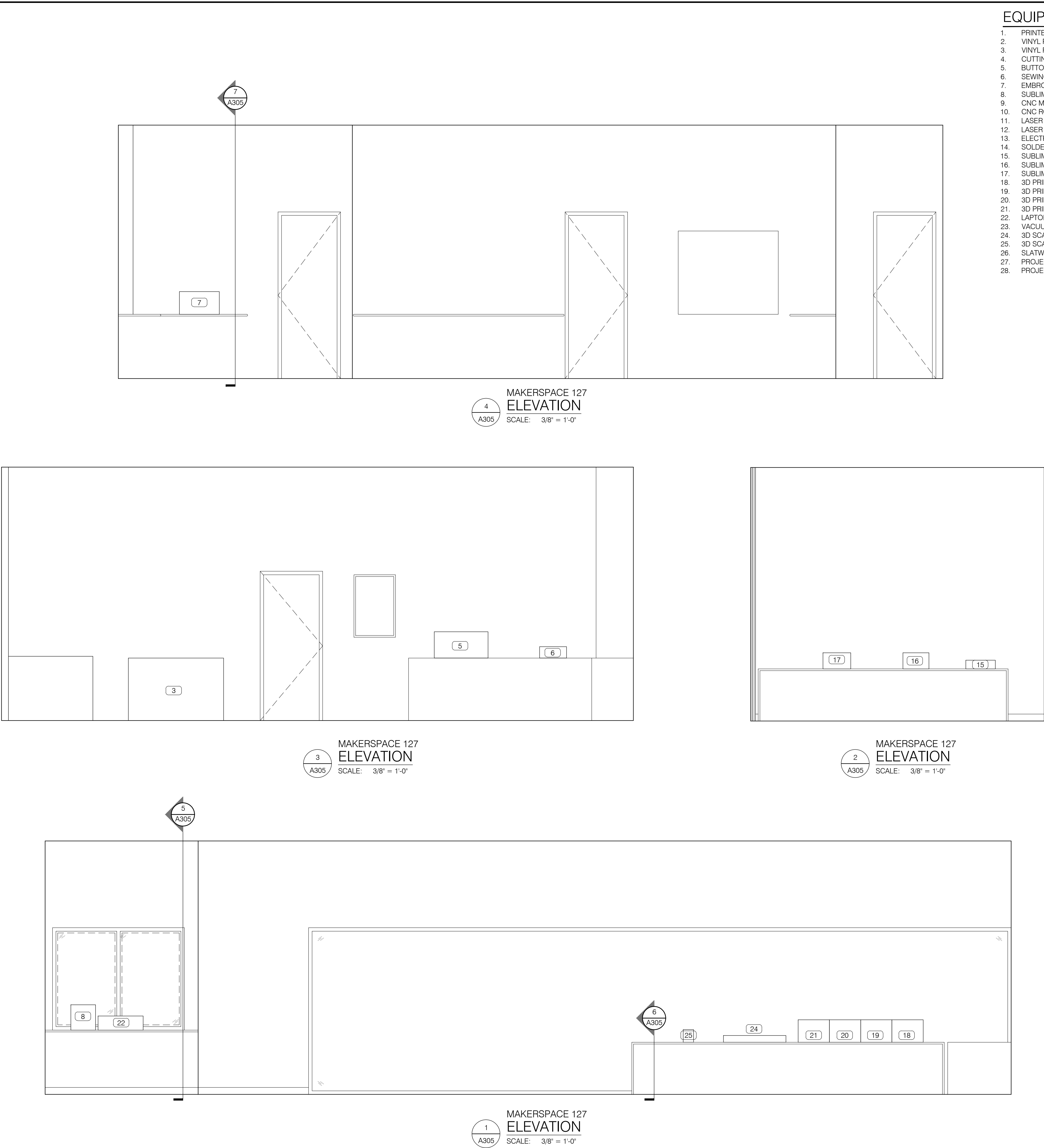
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- GENERAL NOTES:**
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 - B. ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.
 - C. ALL INTERIOR PARTITIONS ARE 3½" METAL STUDS AT 16"o.c. WITH ½" GYPSUM BOARD EACH SIDE, UNLESS NOTED OTHERWISE.
 - D. REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
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DETAILS

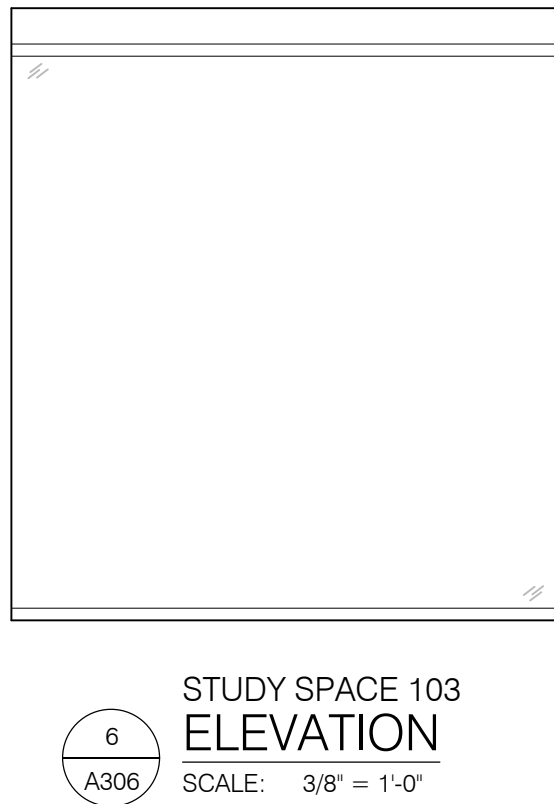
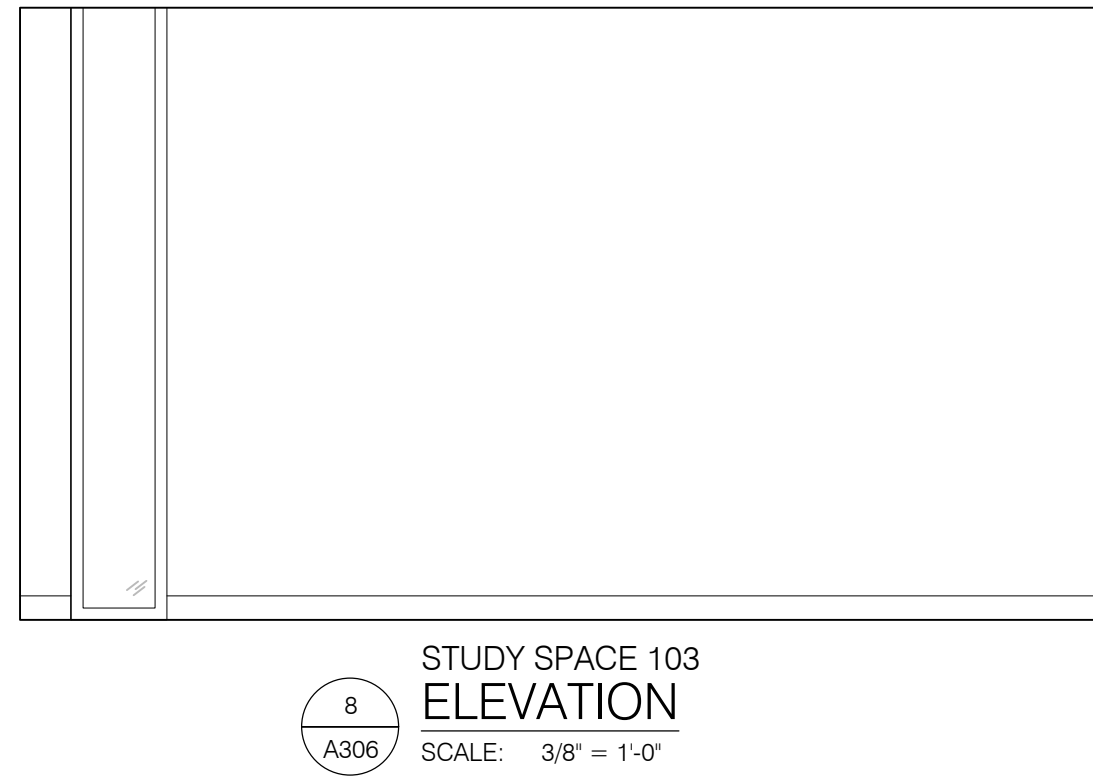
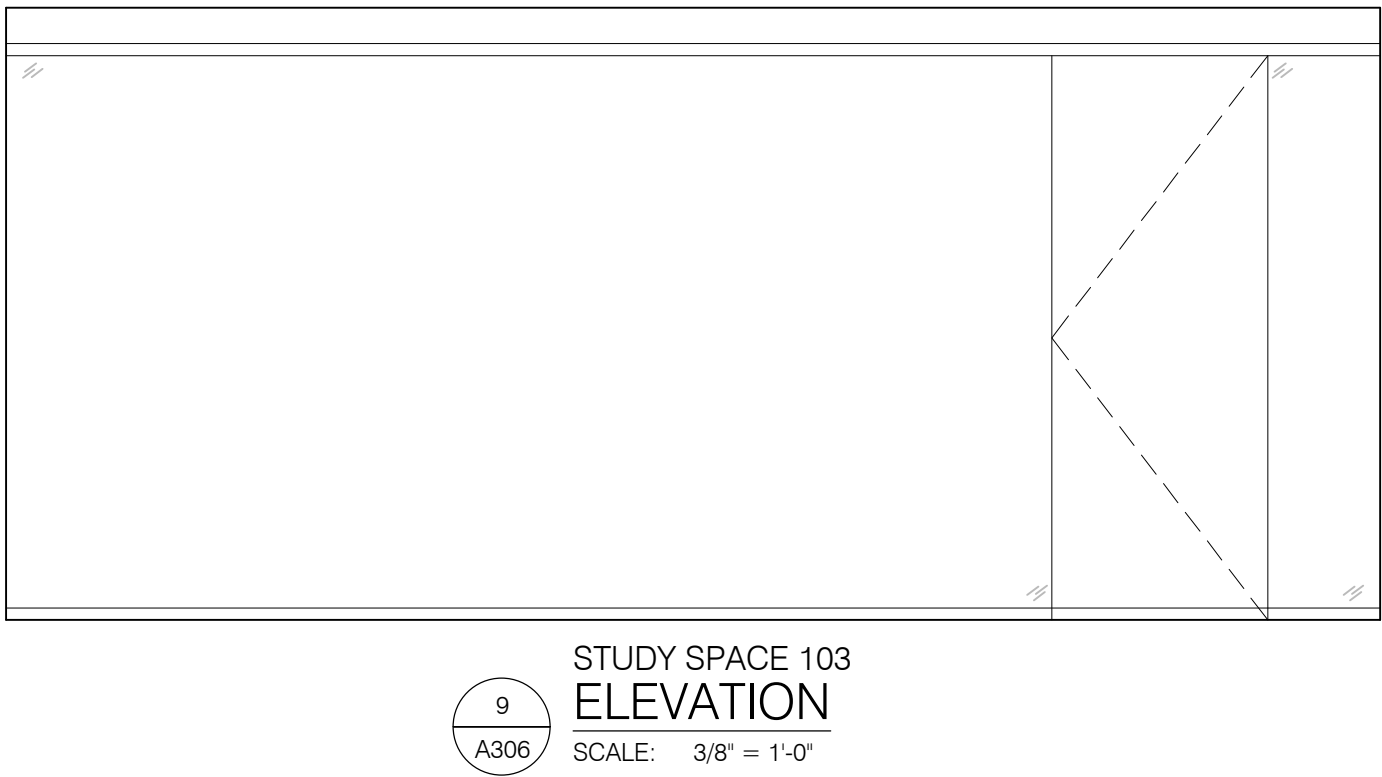
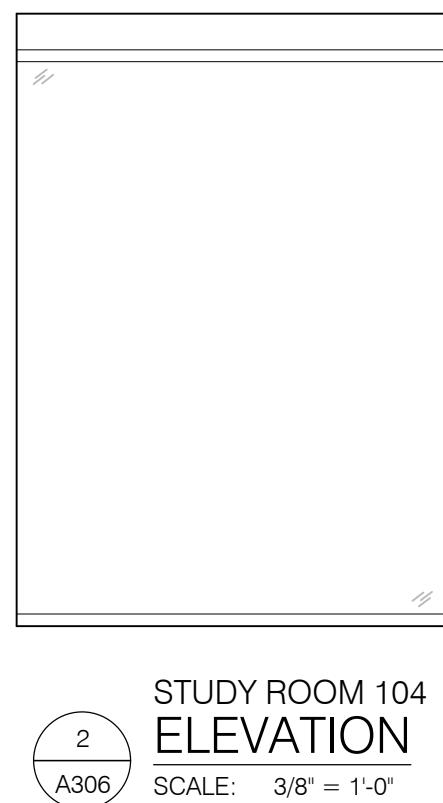
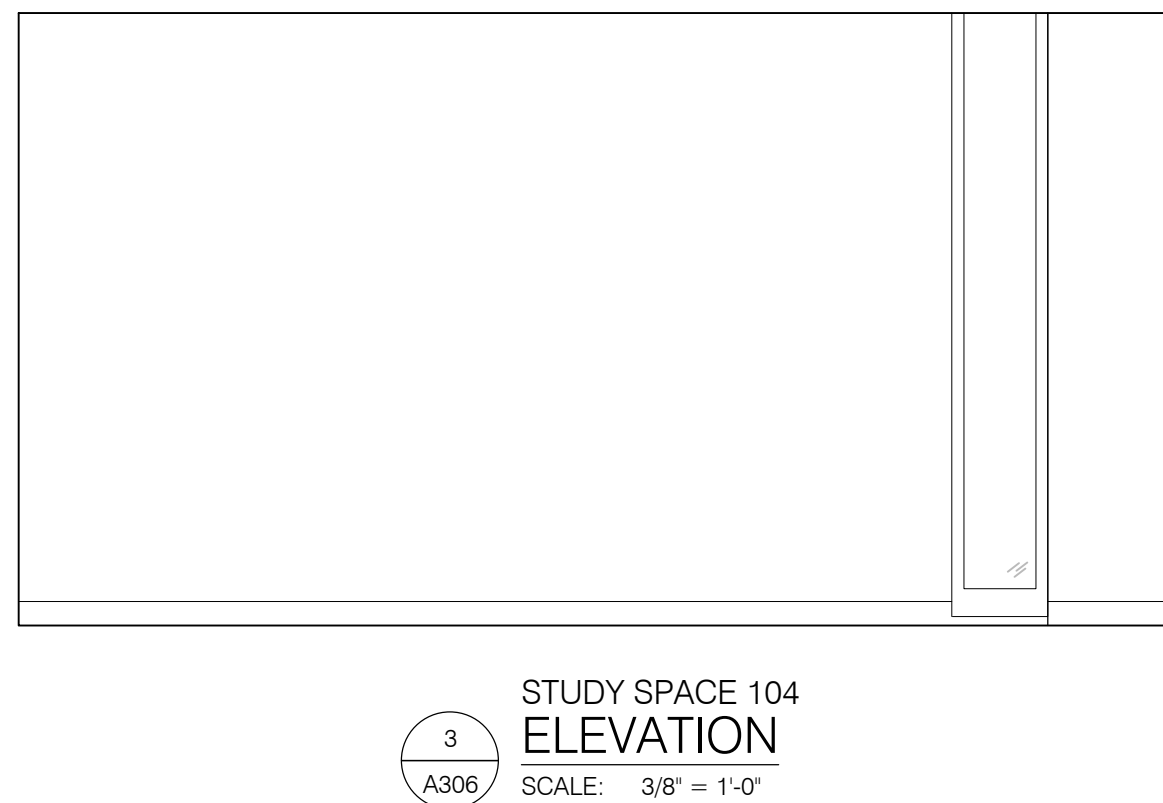
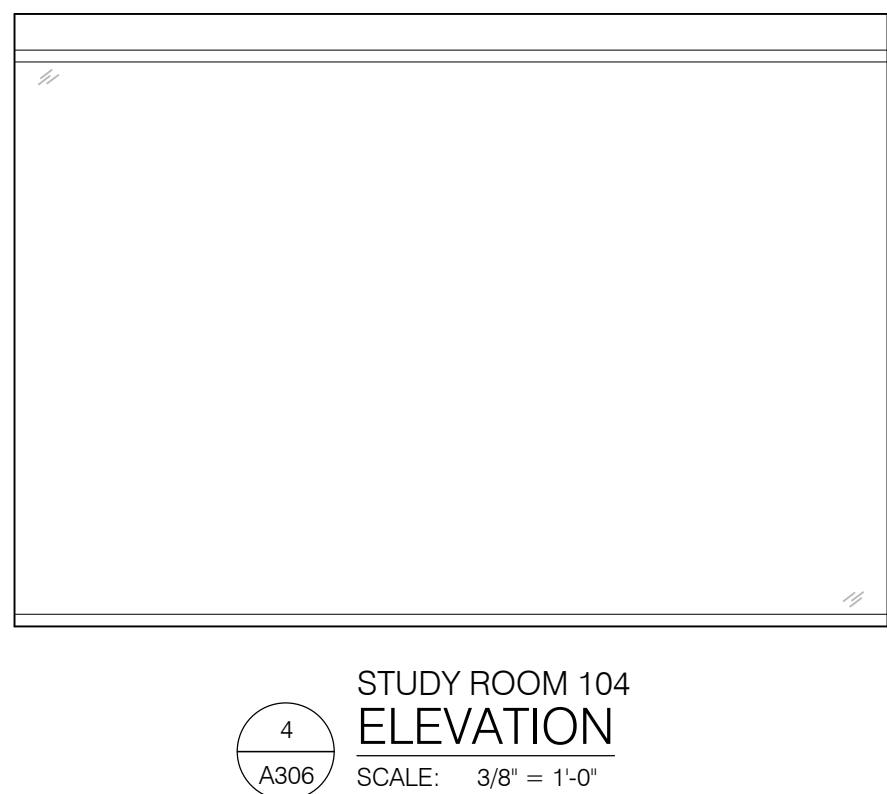
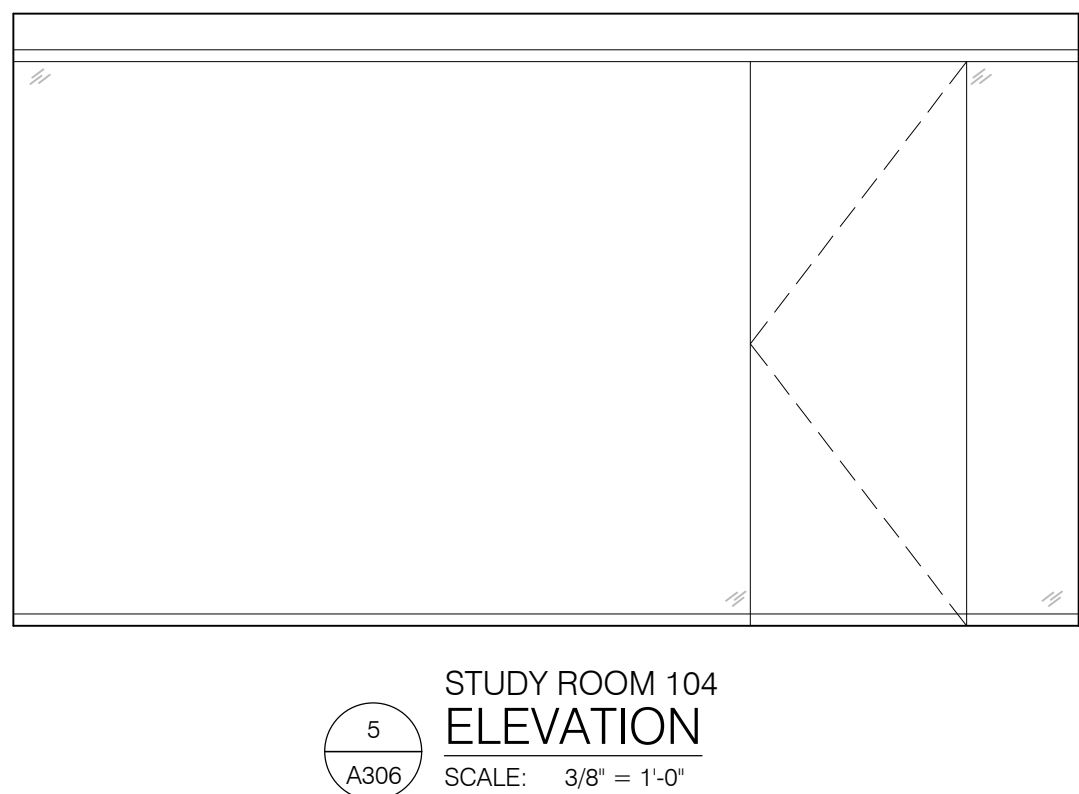
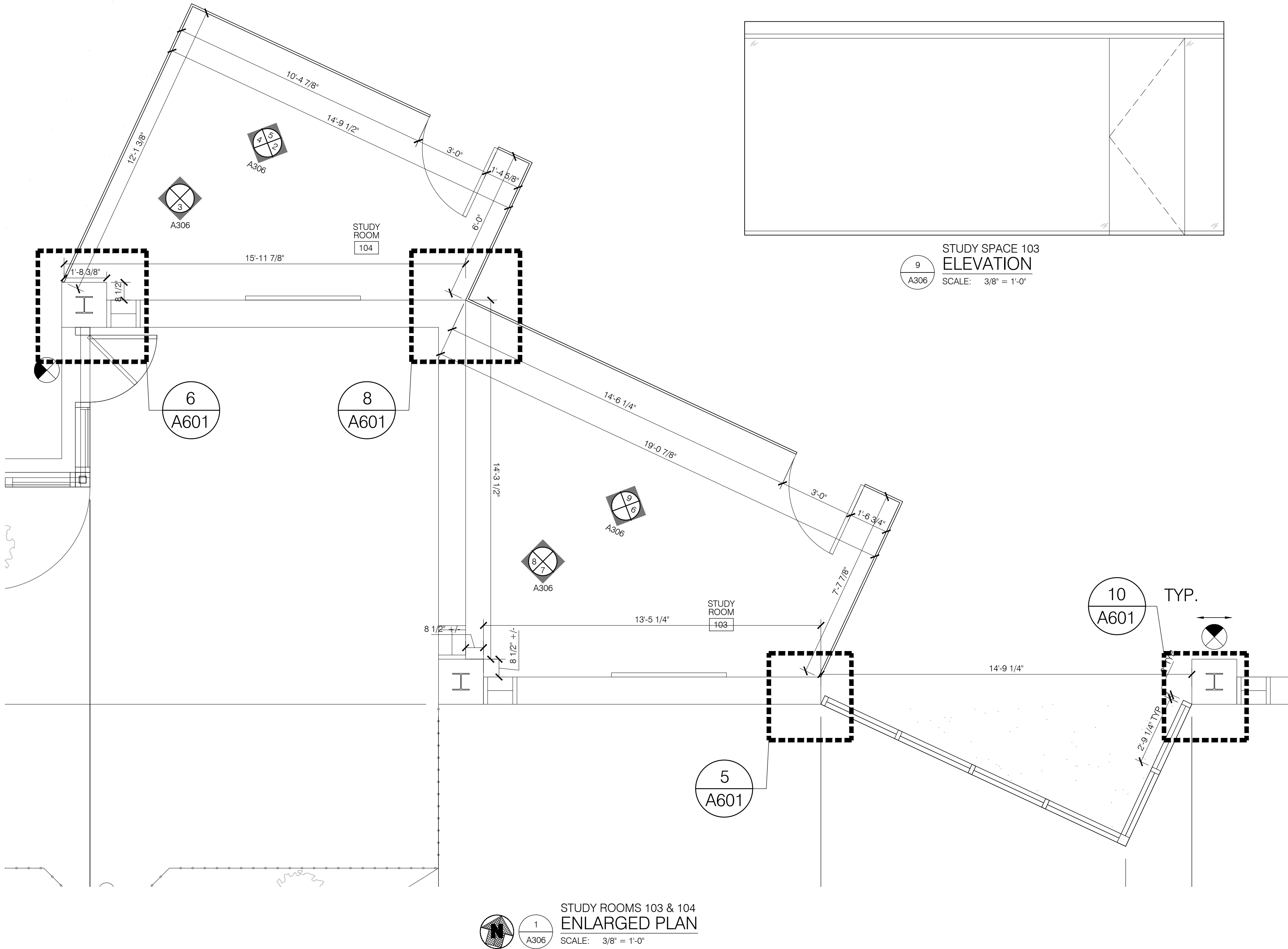
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GENERAL NOTES:

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- E. COORDINATE DOOR SIZES AND OPENING WITH SCHEDULE ON SHEET A801. NOTIFY ARCHITECT IN CASE OF ANY DISCREPANCIES.
- F. PROVIDE 2X BLOCKING @ ALL WALL HUNG CASEWORK, FIXTURES, AND SHELVES.

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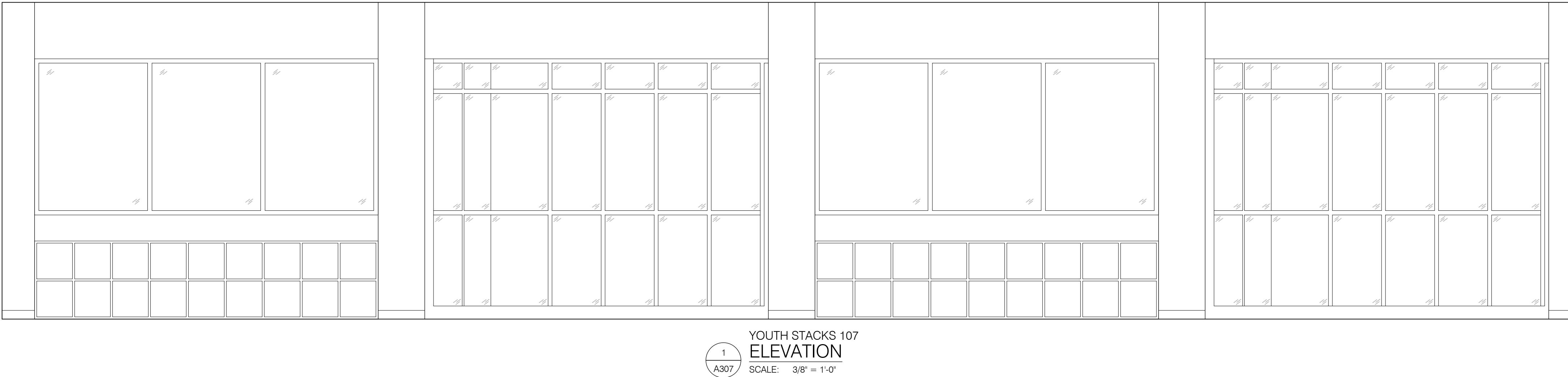
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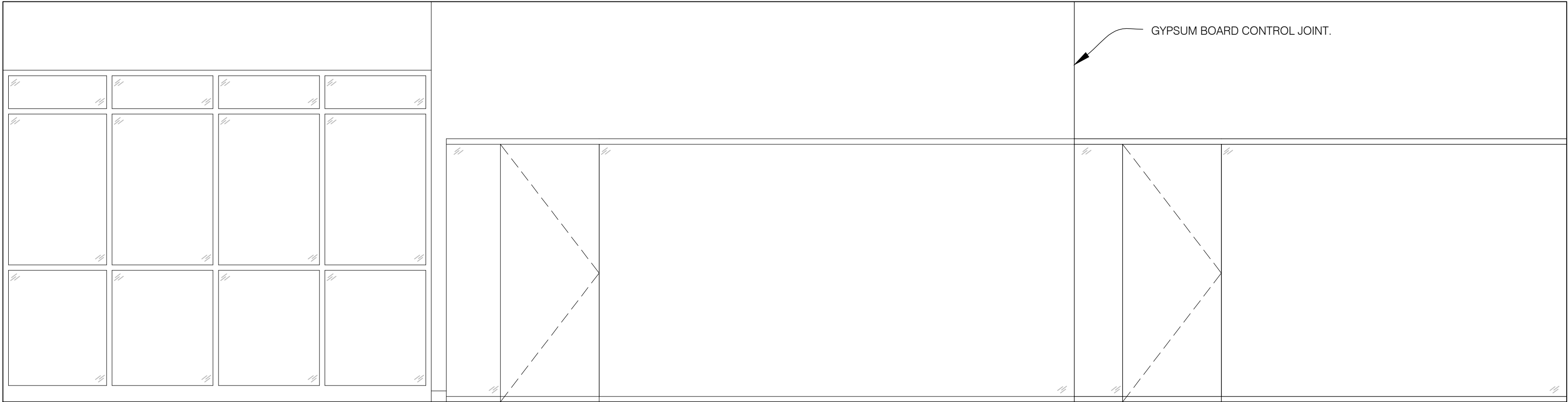
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A306

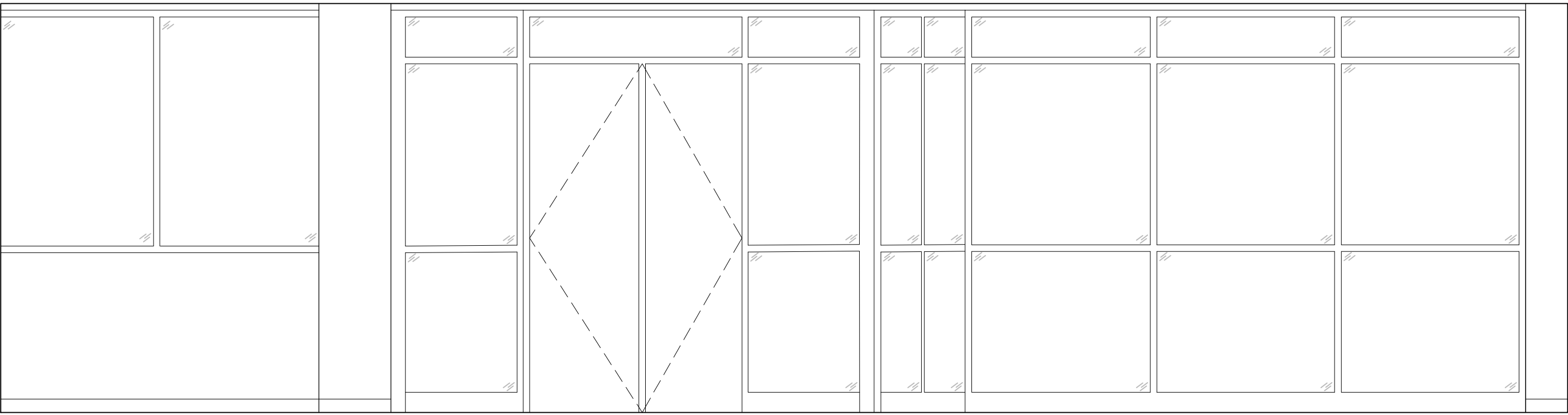
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1
A307
YOUTH STACKS 107
ELEVATION
SCALE: 3/8" = 1'-0"



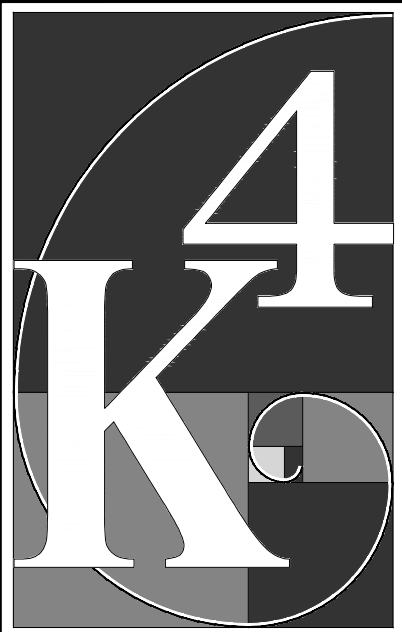
2
A307
STACKS 102
ELEVATION
SCALE: 3/8" = 1'-0"



3
A307
VESTIBULE 101
ELEVATION
SCALE: 3/8" = 1'-0"

GENERAL NOTES:

- REFER TO T001 FOR MORE GENERAL NOTES.
- ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.
- ALL INTERIOR PARTITIONS ARE 3 1/2" METAL STUDS AT 16"o.c. WITH 5/8" GYPSUM BOARD EACH SIDE, UNLESS NOTED OTHERWISE.
- REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
- COORDINATE DOOR SIZES AND OPENING WITH SCHEDULE ON SHEET A801. NOTIFY ARCHITECT INCASE OF ANY DISCREPANCIES.
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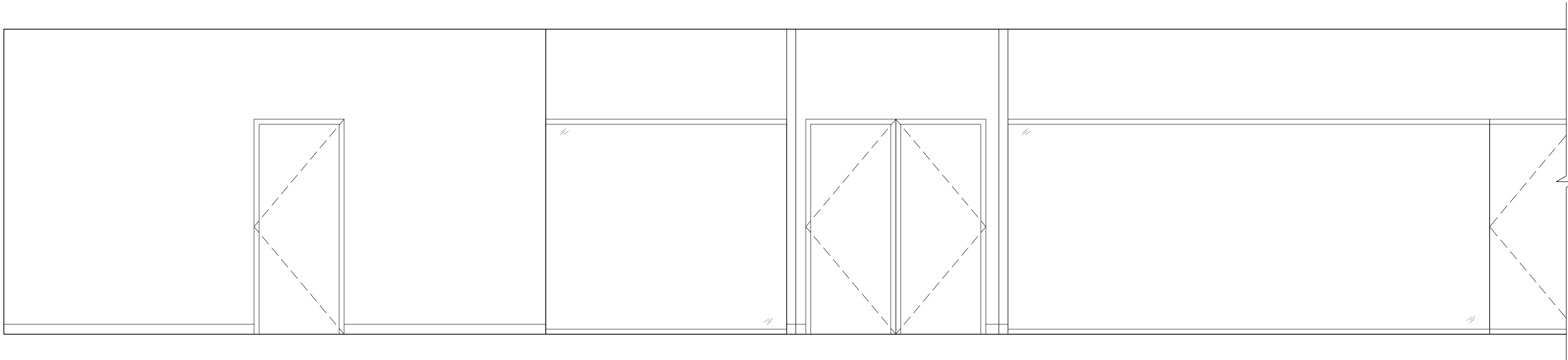
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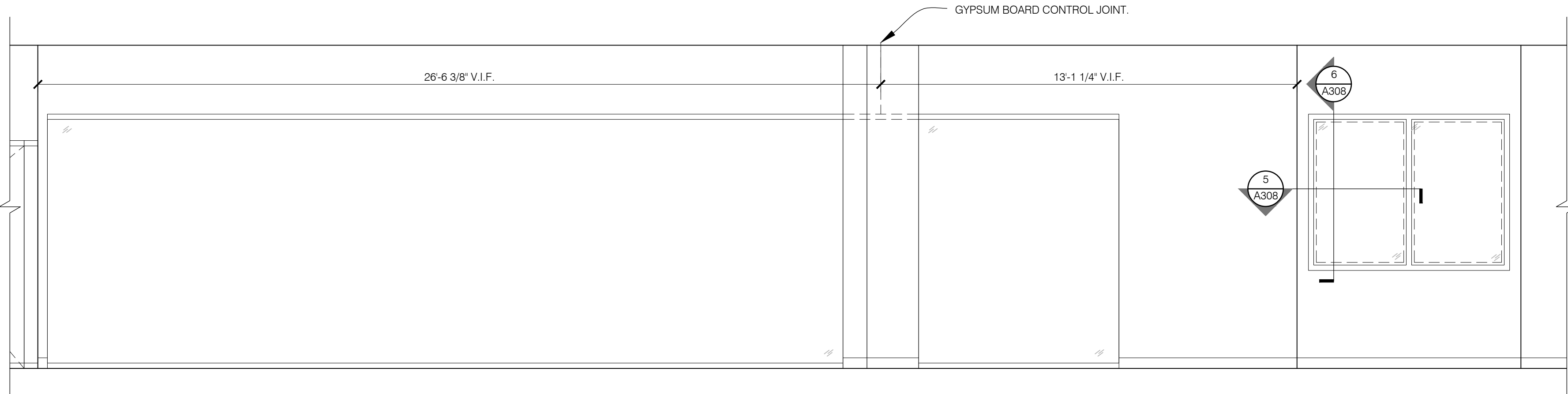
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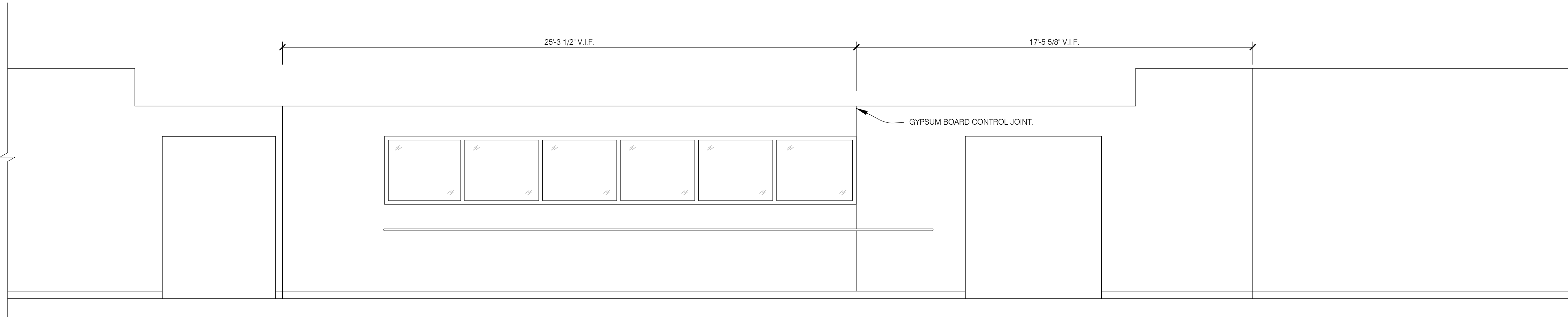
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3
A308
CORRIDOR 112
ELEVATION
SCALE: 3/8" = 1'-0"



2
A308
MAKERSPACE 127
ELEVATION
SCALE: 3/8" = 1'-0"



1
A308
STAFF WORKROOM 136
ELEVATION
SCALE: 3/8" = 1'-0"

GENERAL NOTES:

- A. REFER TO T001 FOR MORE GENERAL NOTES.
- B. ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.
- C. ALL INTERIOR PARTITIONS ARE 3 1/2" METAL STUDS AT 16"o.c. WITH 1/2" GYPSUM BOARD EACH SIDE, UNLESS NOTED OTHERWISE.
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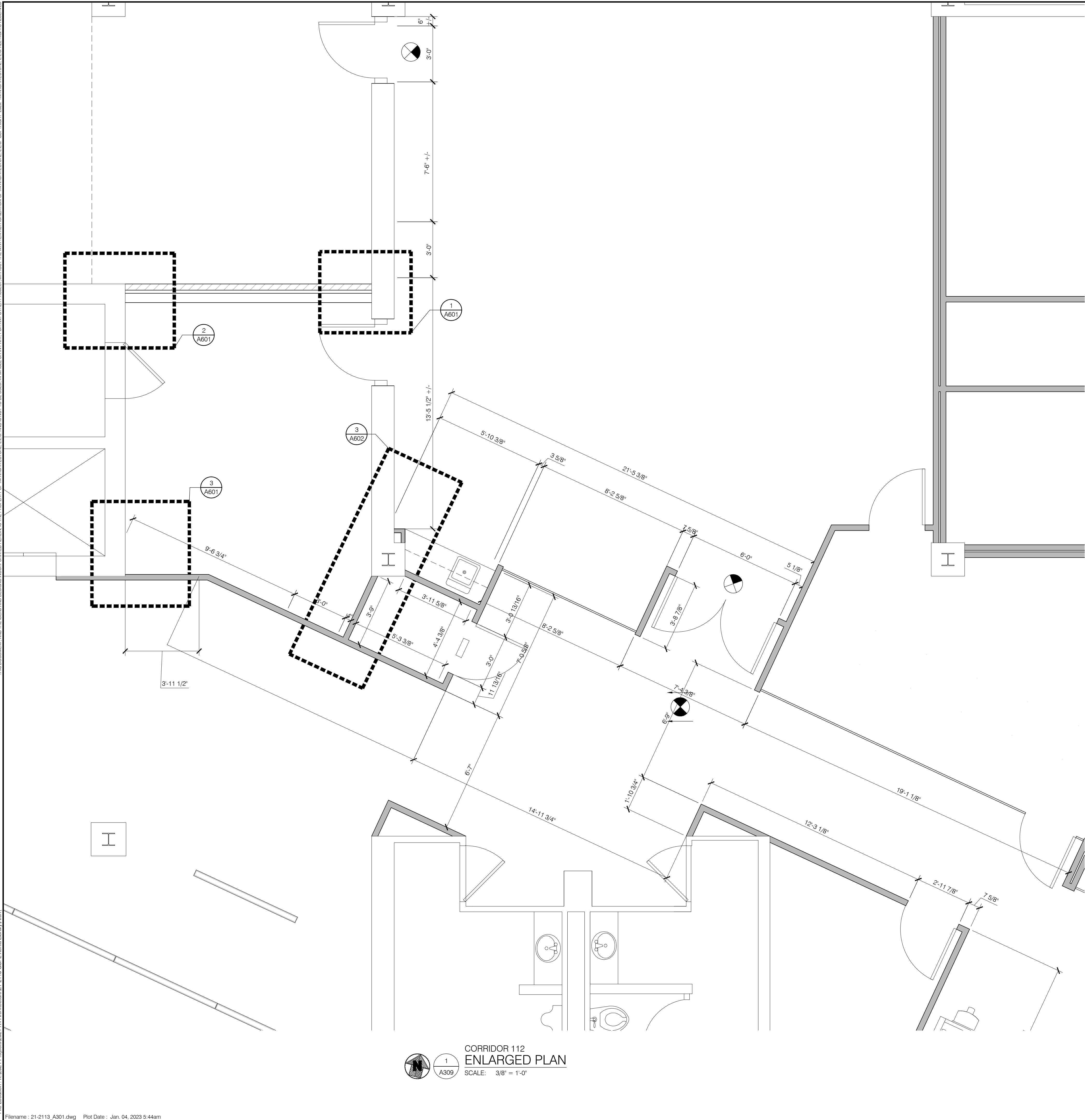
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Scale:	AS NOTED
Job No.:	21-2113

A308

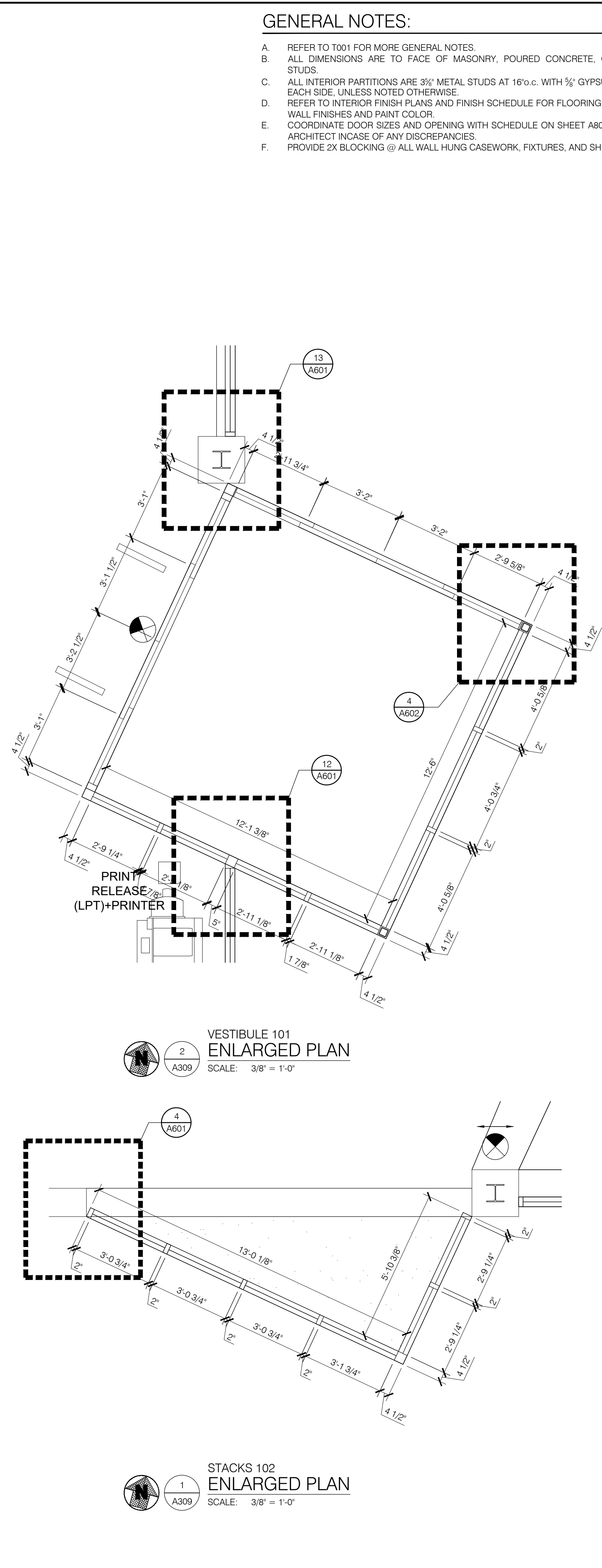
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Filename : 21-2113_A301.dwg Plot Date : Jan 04, 2023 5:44am



 1
A309
CORRIDOR 112
ENLARGED PLAN
SCALE: 3/8" = 1'-0"



 2
A309
VESTIBULE 101
ENLARGED PLAN
SCALE: 3/8" = 1'-0"

 1
A309
STACKS 102
ENLARGED PLAN
SCALE: 3/8" = 1'-0"

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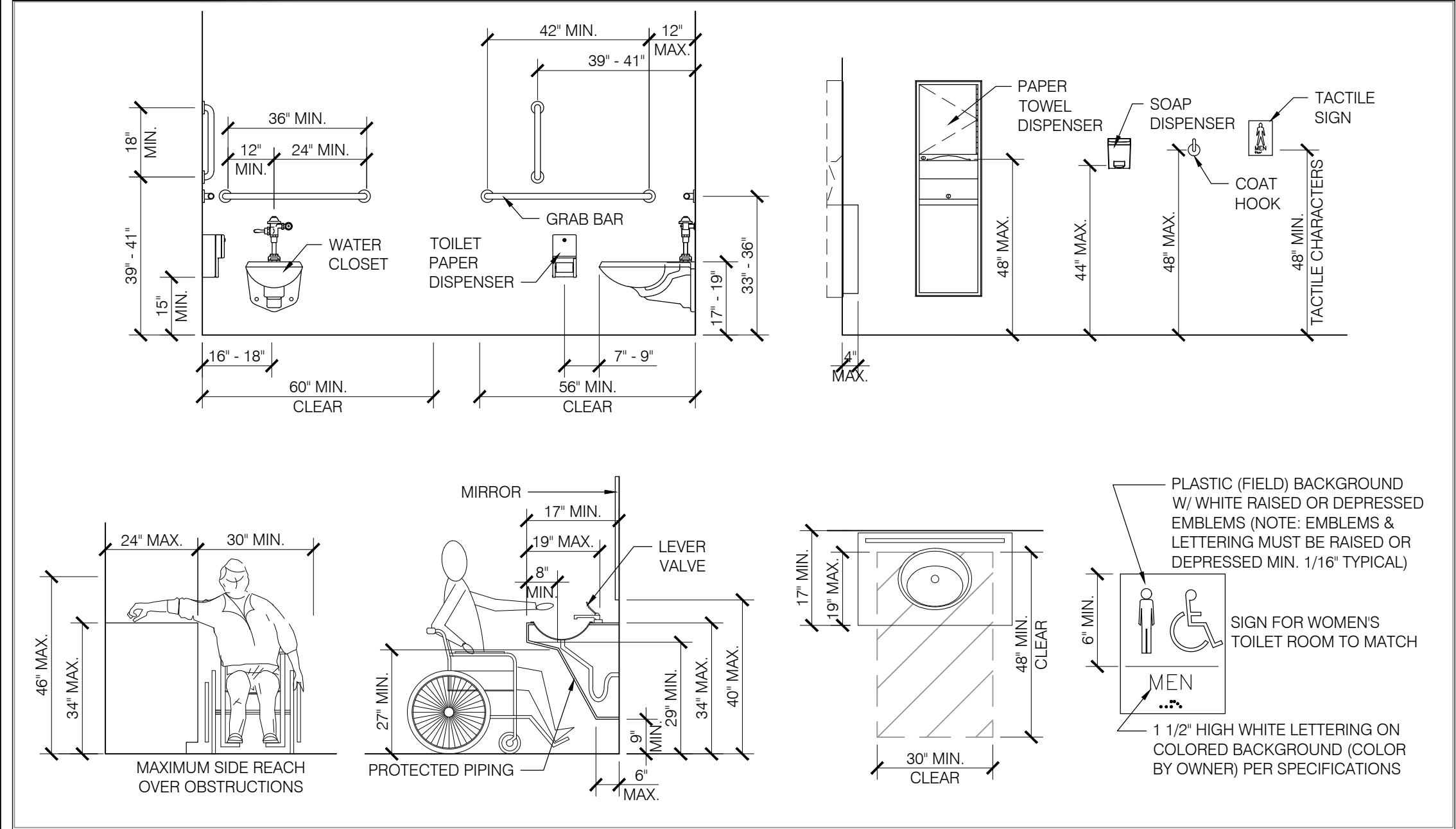
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DETAILS

Drawn By: BBJ, TW
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Job No.: 21-2113

A309

ADA CODE NOTES



TOILET ROOM ACCESSORIES:

1. ADA ACCESSIBLE FLOOR MOUNTED WATER CLOSET - REFER TO ADA CODE NOTES.
2. 36\"/>
3. 42\"/>
4. 18\"/>
5. TOILET TISSUE DISPENSER - BY OWNER - REFER TO ADA CODE NOTES.
6. SANITARY NAPKIN DISPOSAL - BOBRICK.
7. 2'-0\"/>
8. WALL MOUNTED SINK, REFER TO ADA CODE NOTES, AND PLUMBING DRAWINGS FOR DETAILS.
9. WALL MOUNTED SOAP DISPENSER - BY OWNER - REFER TO ADA CODE NOTES.
10. WALL MOUNTED PAPER TOWEL DISPENSER BY OWNER, G.C. TO PROVIDE BLOCKING - REFER TO ADA CODE NOTES.
11. WALL MOUNTED TACTILE/BRAILLE RESTROOM SIGNAGE. PROVIDE ACCESSIBLE SIGNAGE PER ADA GUIDELINES - REFER TO ADA CODE NOTES.
12. COAT HOOK. REFER TO ADA CODE NOTES AND SPECIFICATIONS.
13. MOP SINK - REFER TO PLUMBING DRAWINGS FOR DETAILS.
14. MOP AND BROOM HOLDER. REFER TO SPECIFICATIONS.
15. WALL MOUNTED SHELF.
16. 48\"/>
17. BOTTLE WATER COOLER, BY OWNER.

NOTE:
FOR INTERIOR GYPSUM BOARD ON EXTERIOR WALLS:
INSTALL MOISTURE RESISTANT GWB OR GREEN BOARD ALONG INTERIOR FACE SIDE OF PERIMETER WALL STUDS FOR THE FIRST 4'-0\", THEN STANDARD GYPSUM WALL BOARD ABOVE. TERMINATE AS INDICED.

GENERAL NOTES:

- A. REFER TO T001 FOR MORE GENERAL NOTES.
- B. ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.
- C. ALL INTERIOR PARTITIONS ARE 3/4\"/>
- D. REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
- E. COORDINATE DOOR SIZES AND OPENING WITH SCHEDULE ON SHEET A801. NOTIFY ARCHITECT INCASE OF ANY DISCREPANCIES.
- F. PROVIDE 2X BLOCKING @ ALL WALL HUNG CASEWORK, FIXTURES, AND SHELVES.

NOTES THIS DRAWING:

1. ADA ACCESSIBLE WATER CLOSET.
2. UNDER MOUNT LAVATORY SINK.
3. 36\"/>
4. 42\"/>
5. 18\"/>
6. TOILET TISSUE DISPENSER.
7. SANITARY NAPKIN DISPOSAL.
8. PAPER TOWEL DISPENSER.
9. MIRROR.
10. WALL MOUNTED TACTILE/BRAILLE RESTROOM SIGNAGE. PROVIDE ACCESSIBLE SIGNAGE PER ADA GUIDELINES.
11. WALL MOUNTED BABY CHANGING STATION.
12. FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.
13. TILE WAINSCOT - REFER TO INTERIORS DRAWINGS.
14. WASTE RECEPTACLE.
15. URINAL.
16. MOP SINK.

4

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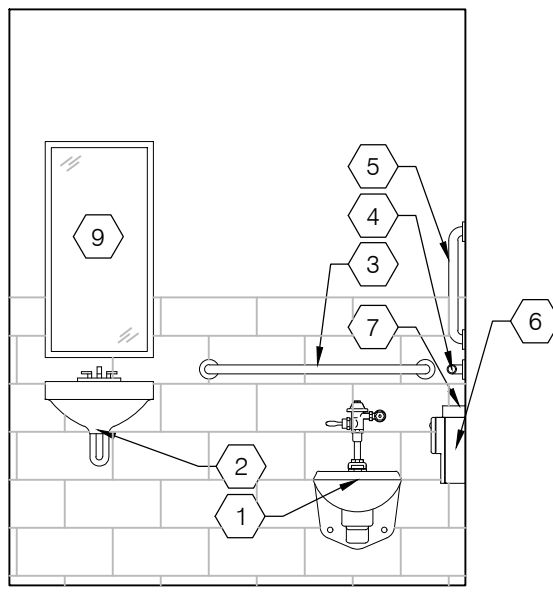
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NO.	DESCRIPTION	DATE
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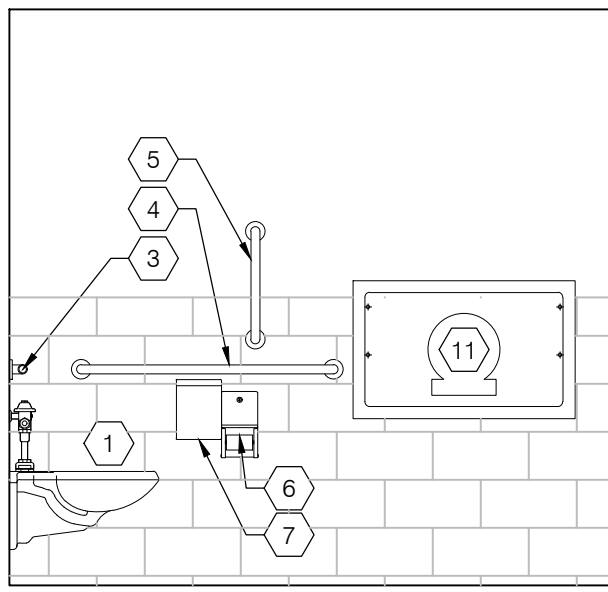
SECOND FLOOR
ENLARGED PLANS,
ELEVATIONS, & DETAILS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

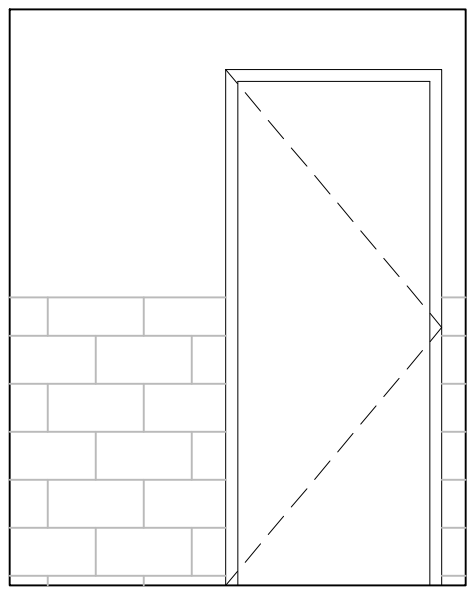
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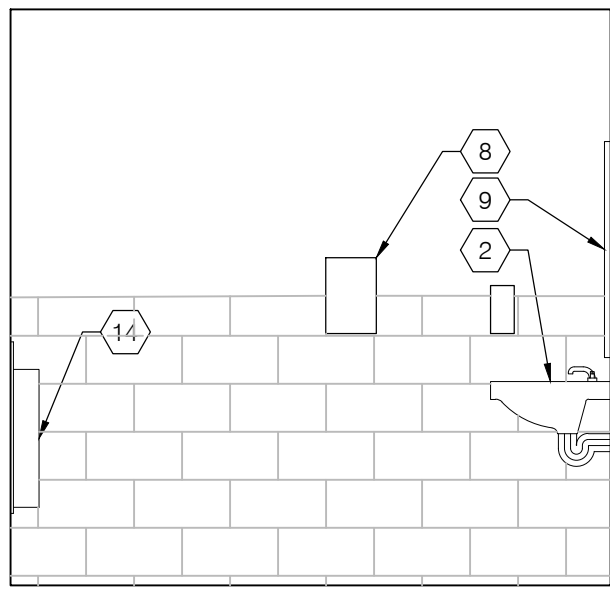
UNISEX 236
ELEVATION
SCALE: 3/8" = 1'-0"



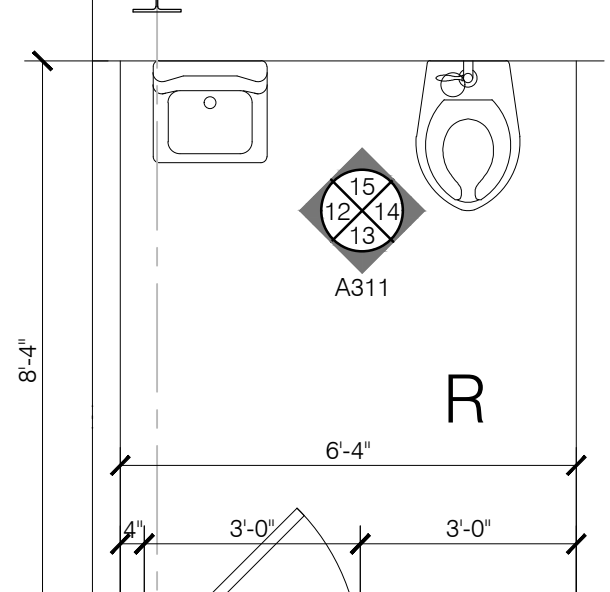
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ELEVATION
SCALE: 3/8" = 1'-0"



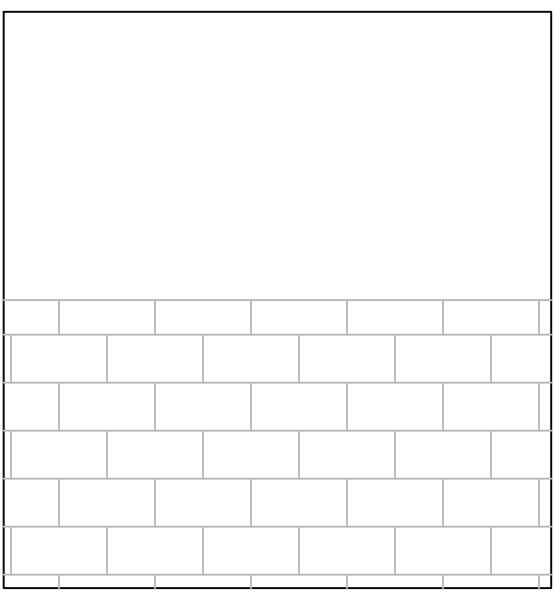
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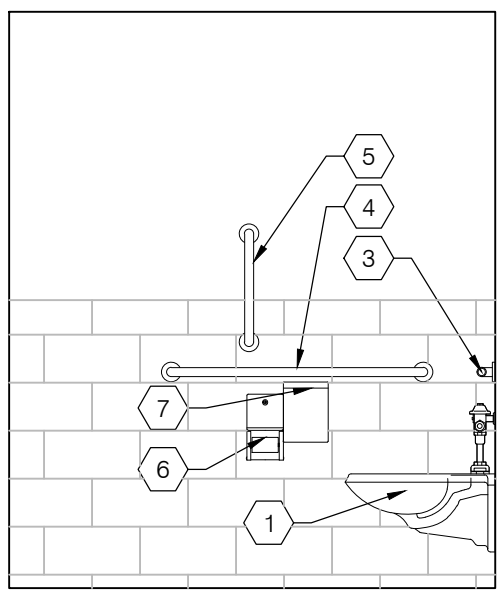
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ELEVATION
SCALE: 3/8" = 1'-0"



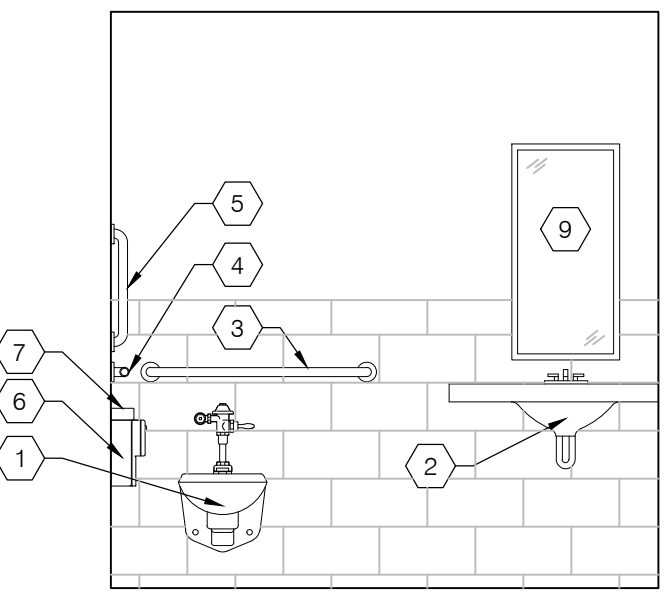
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ENLARGED PLAN
SCALE: 3/8" = 1'-0"



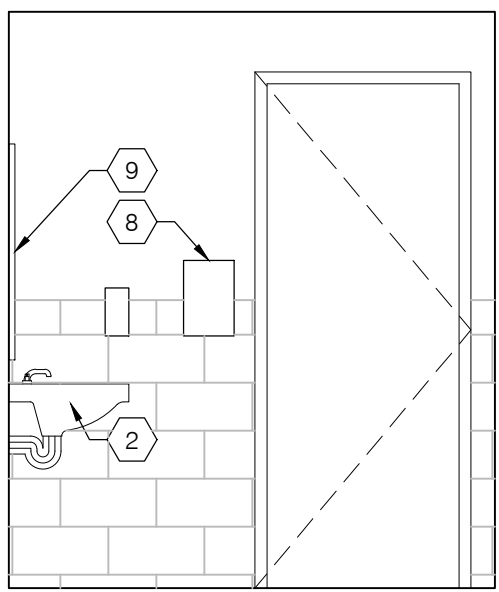
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ELEVATION
SCALE: 3/8" = 1'-0"



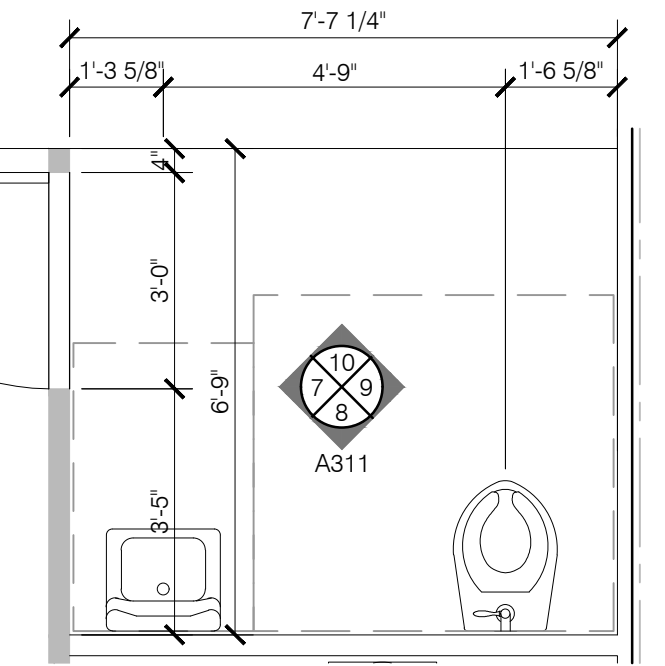
A311
ELEVATION
SCALE: 3/8" = 1'-0"



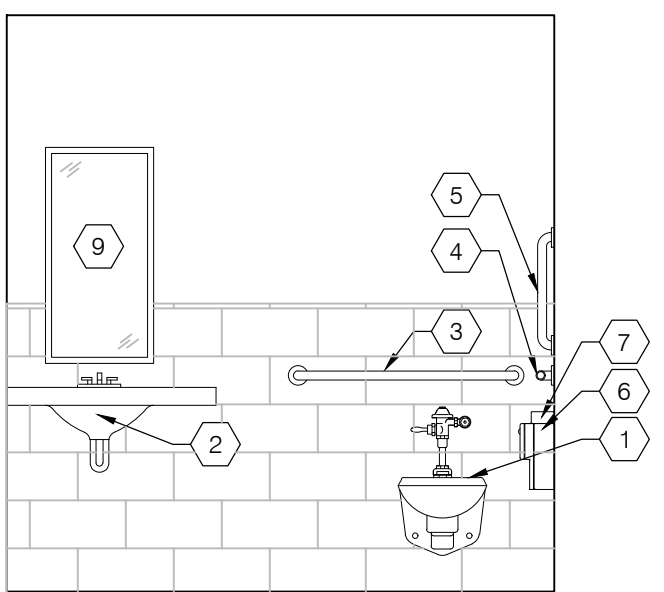
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ELEVATION
SCALE: 3/8" = 1'-0"



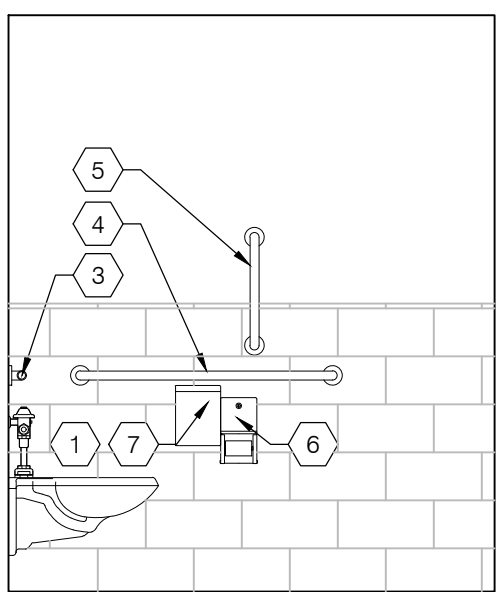
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ELEVATION
SCALE: 3/8" = 1'-0"



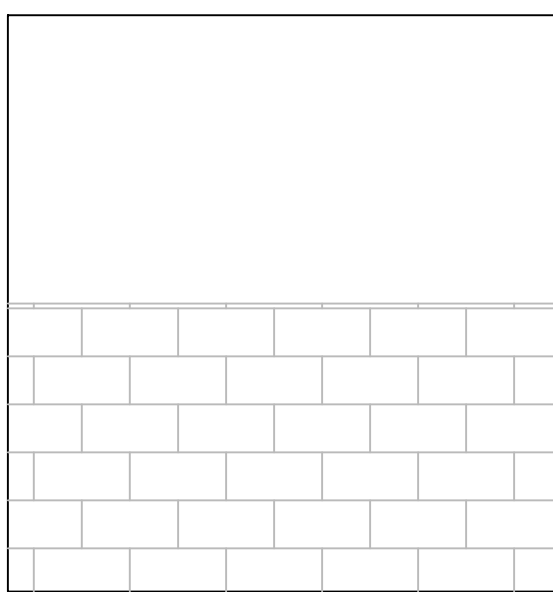
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ENLARGED PLAN
SCALE: 3/8" = 1'-0"



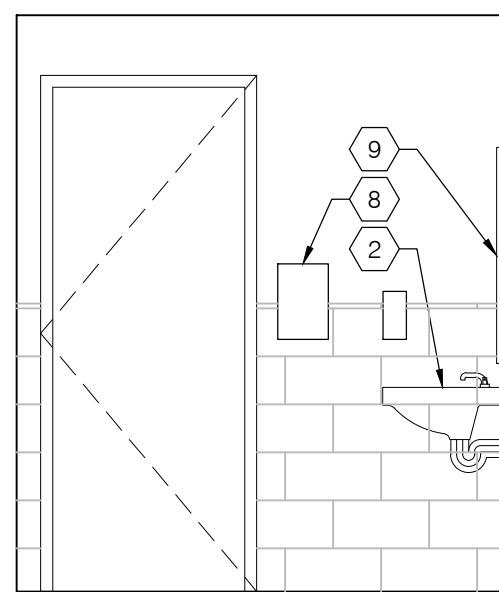
UNISEX 213
ELEVATION
SCALE: 3/8" = 1'-0"



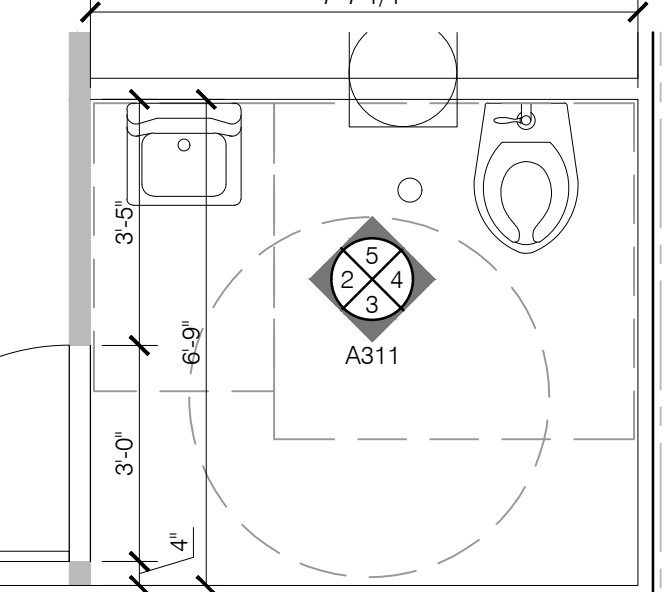
UNISEX 213
ELEVATION
SCALE: 3/8" = 1'-0"



UNISEX 213
ELEVATION
SCALE: 3/8" = 1'-0"

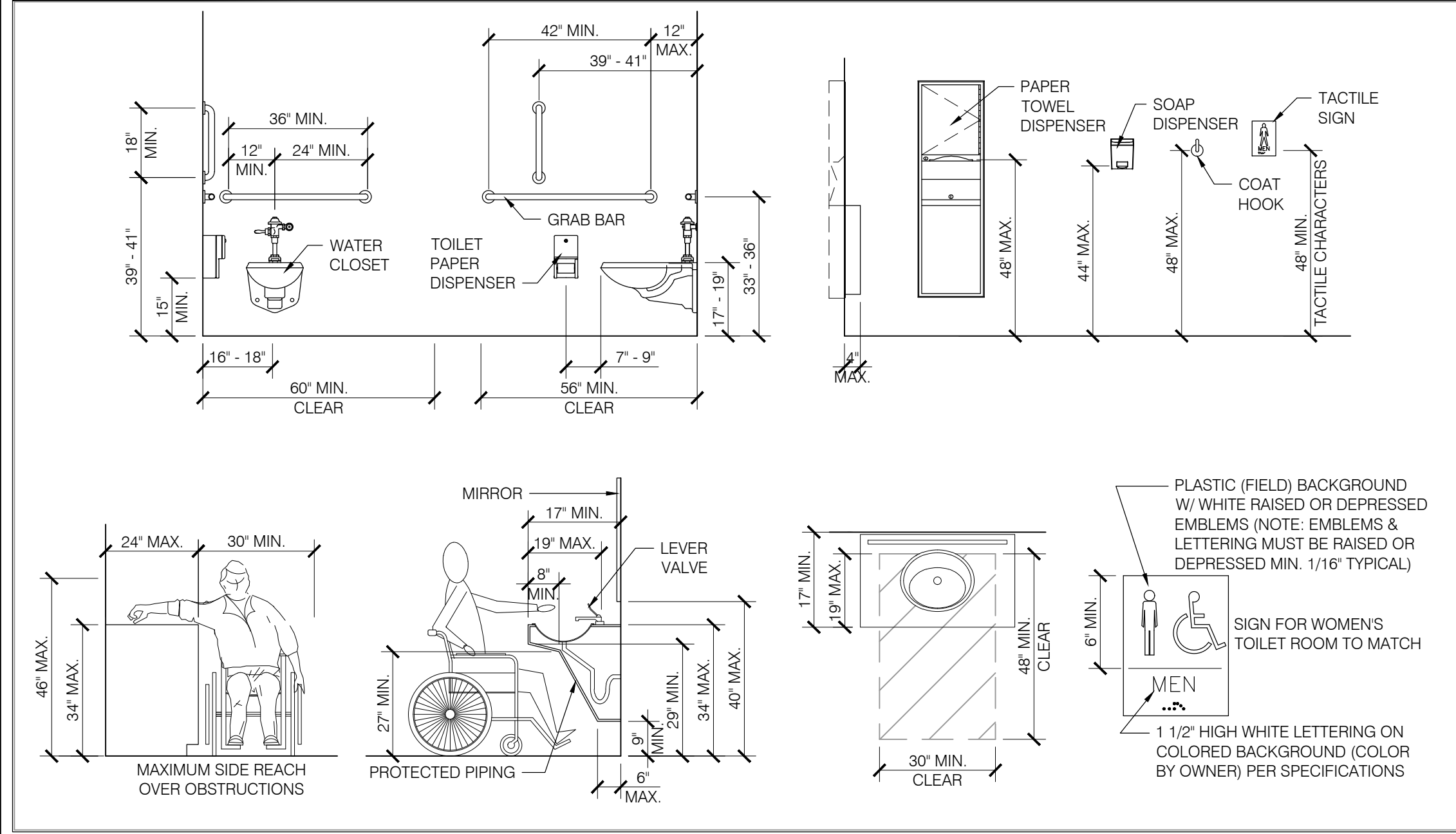


UNISEX 213
ELEVATION
SCALE: 3/8" = 1'-0"



UNISEX 213
ENLARGED PLAN
SCALE: 3/8" = 1'-0"

ADA CODE NOTES



TOILET ROOM ACCESSORIES:

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2. 36\"/>
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7. 2'-0\"/>
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12. COAT HOOK, REFER TO ADA CODE NOTES AND SPECIFICATIONS.
13. MOP SINK - REFER TO PLUMBING DRAWINGS FOR DETAILS.
14. MOP AND BROOM HOLDER, REFER TO SPECIFICATIONS.
15. WALL MOUNTED SHELF.
16. 48\"/>
17. BOTTLE WATER COOLER, BY OWNER.

NOTE:
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GENERAL NOTES:

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- B. ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.
- C. ALL INTERIOR PARTITIONS ARE 3½\"/>
- D. REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
- E. COORDINATE DOOR SIZES AND OPENING WITH SCHEDULE ON SHEET A801. NOTIFY ARCHITECT INCASE OF ANY DISCREPANCIES.
- F. PROVIDE 2X BLOCKING @ ALL WALL HUNG CASEWORK, FIXTURES, AND SHELVES.

NOTES THIS DRAWING:

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4

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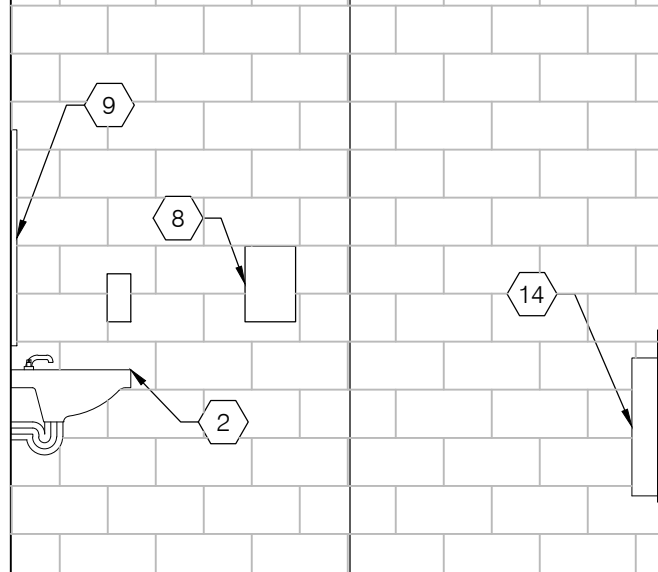
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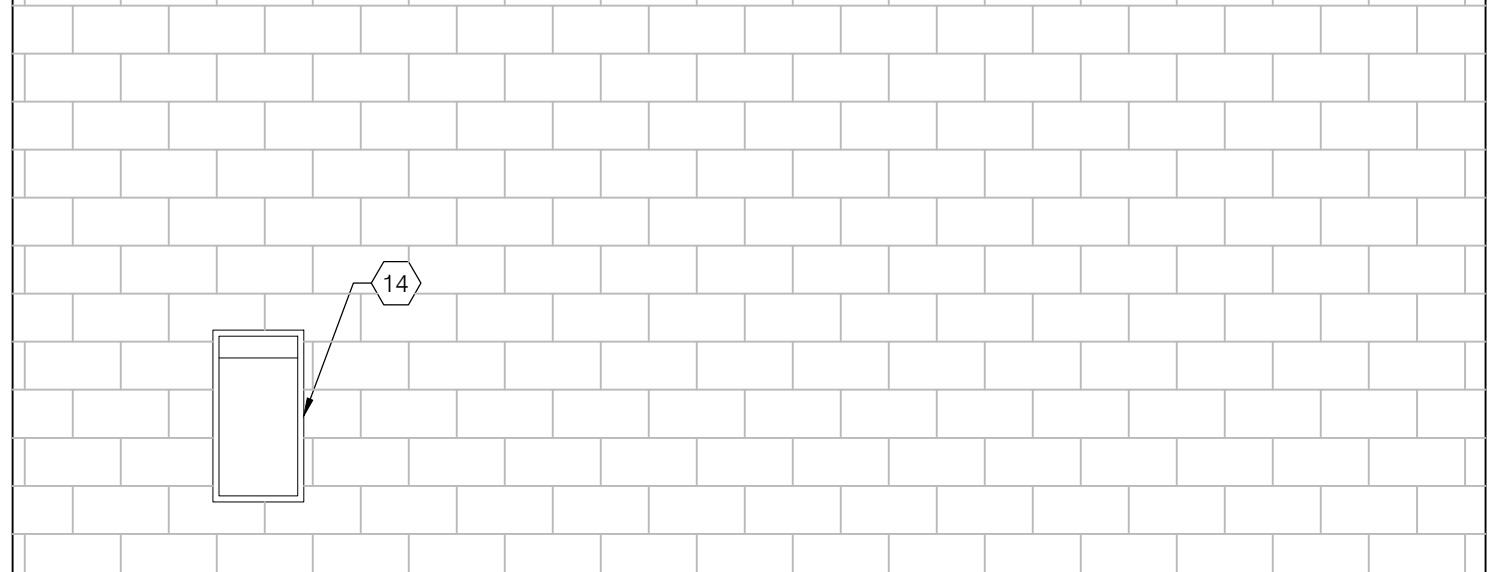
SECOND FLOOR
ENLARGED PLANS,
ELEVATIONS, & DETAILS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

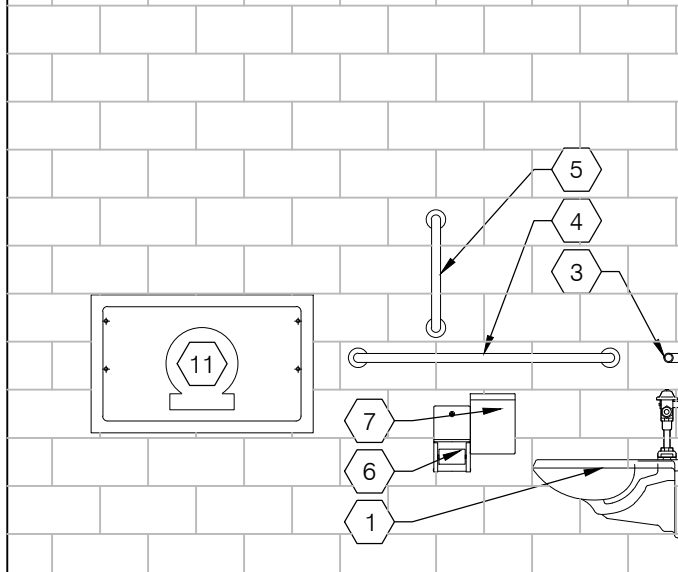
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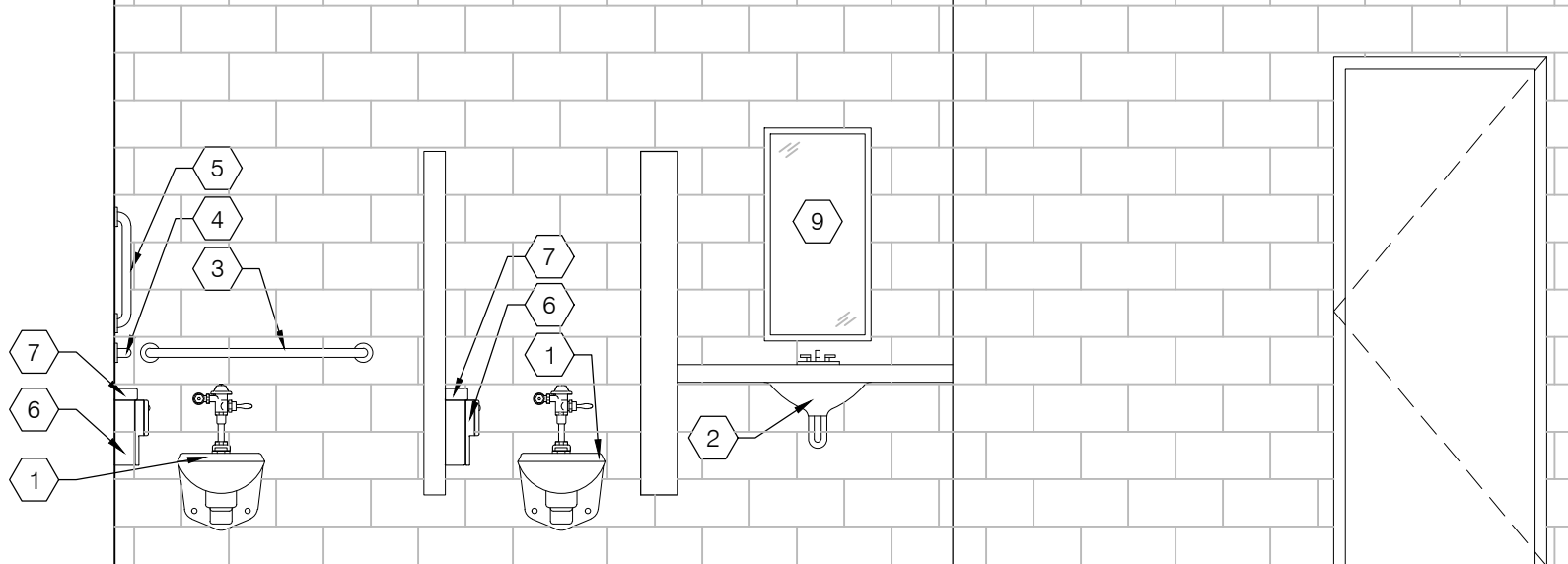
10
A312
WOMENS RESTROOM 241
ELEVATION
SCALE: 3/8" = 1'-0"



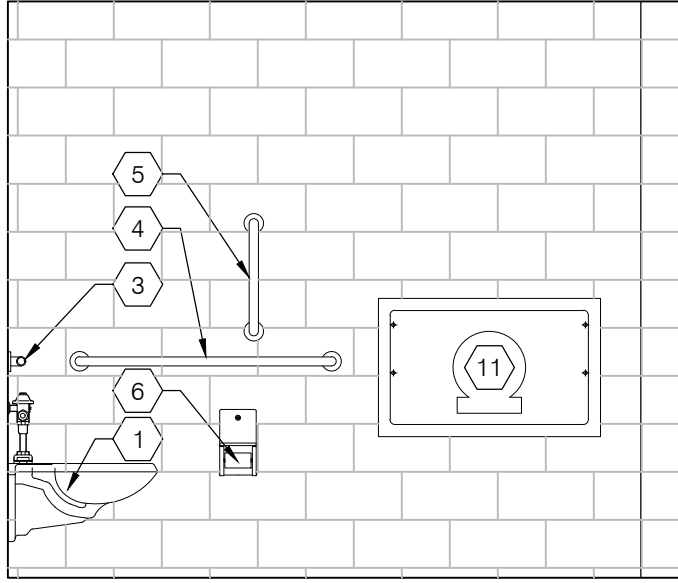
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A312
WOMENS RESTROOM 241
ELEVATION
SCALE: 3/8" = 1'-0"



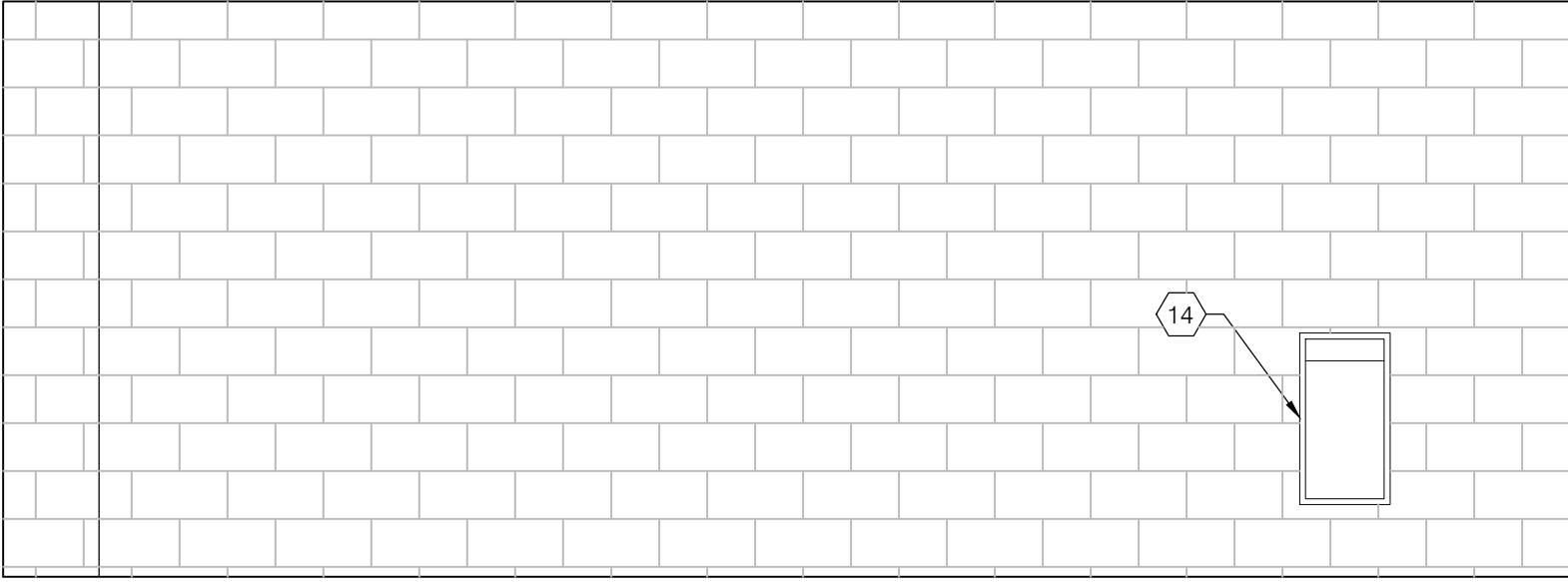
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A312
WOMENS RESTROOM 241
ELEVATION
SCALE: 3/8" = 1'-0"



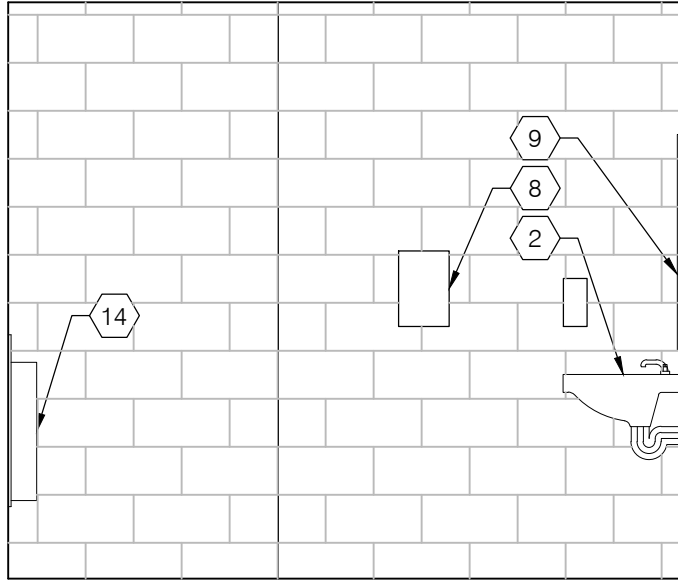
7
A312
WOMENS RESTROOM 241
ELEVATION
SCALE: 3/8" = 1'-0"



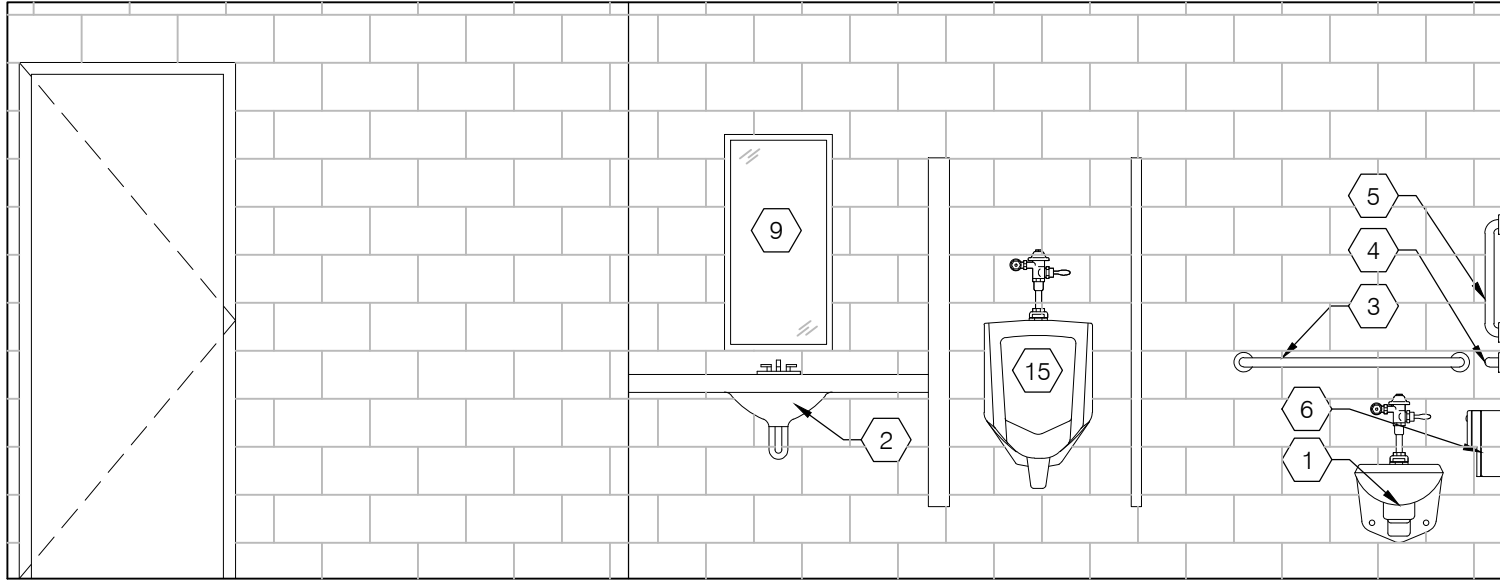
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A312
MENS RESTROOM 240
ELEVATION
SCALE: 3/8" = 1'-0"



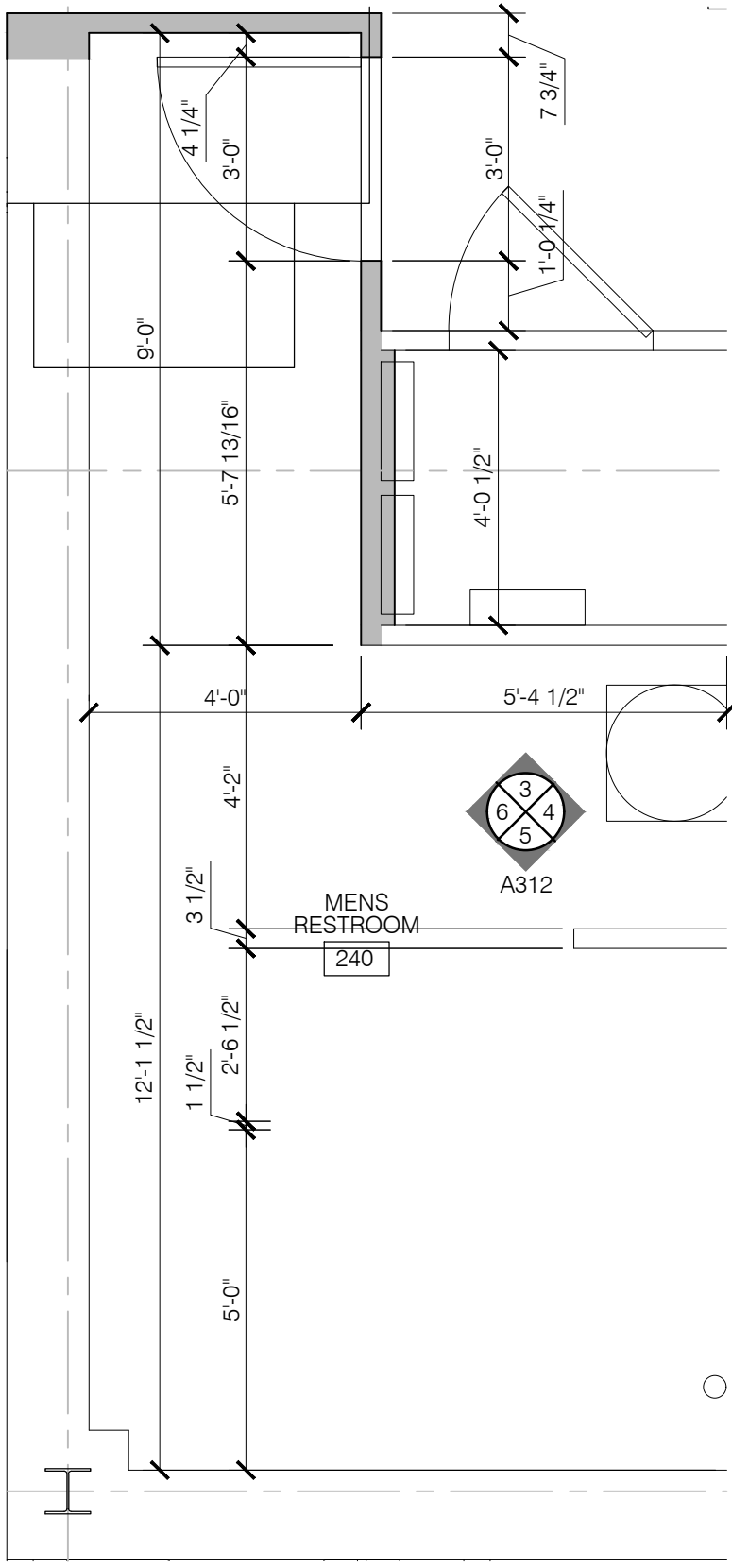
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A312
MENS RESTROOM 240
ELEVATION
SCALE: 3/8" = 1'-0"



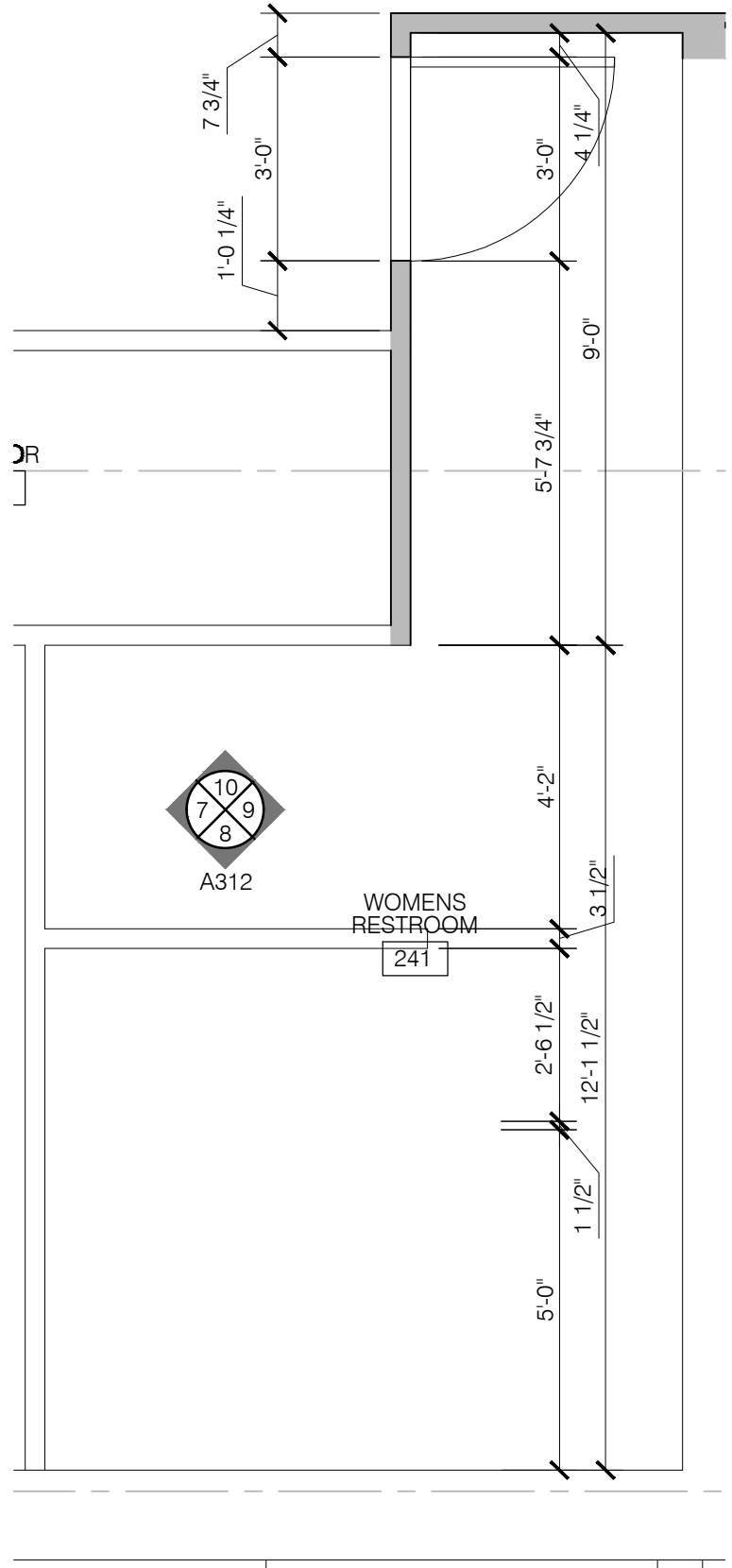
3
A312
MENS RESTROOM 240
ELEVATION
SCALE: 3/8" = 1'-0"



4
A312
MENS RESTROOM 240
ELEVATION
SCALE: 3/8" = 1'-0"

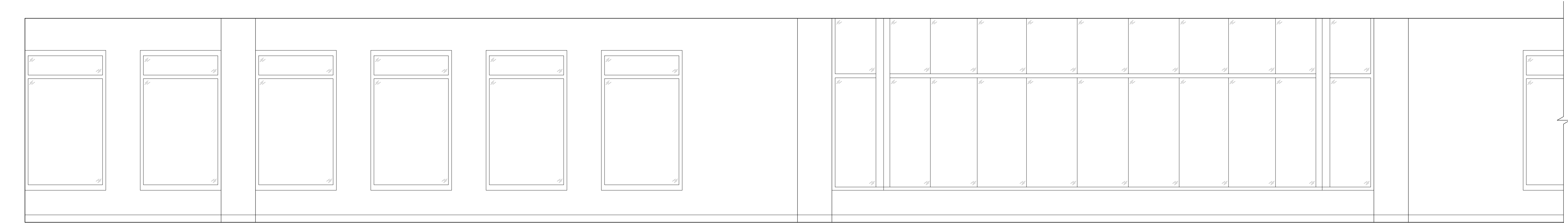


2
A312
MENS RESTROOM 240
ENLARGED PLAN
SCALE: 3/8" = 1'-0"

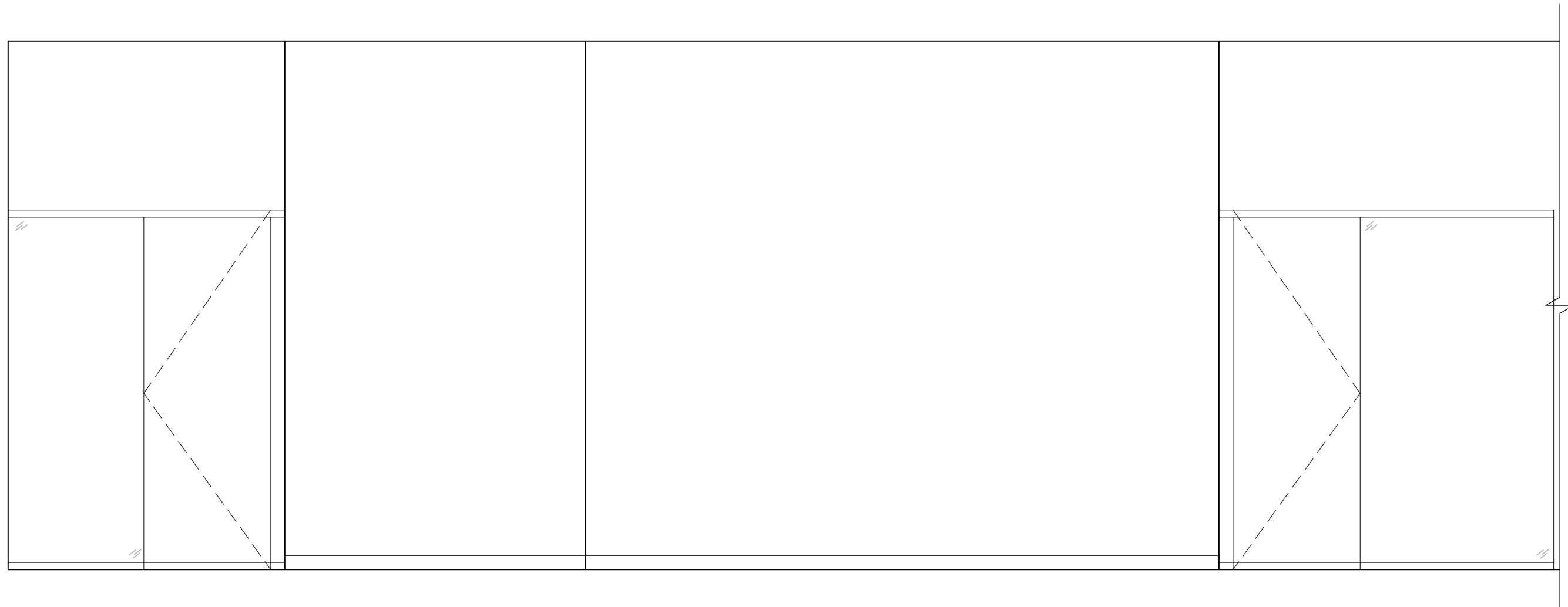


1
A312
WOMENS RESTROOM 241
ENLARGED PLAN
SCALE: 3/8" = 1'-0"

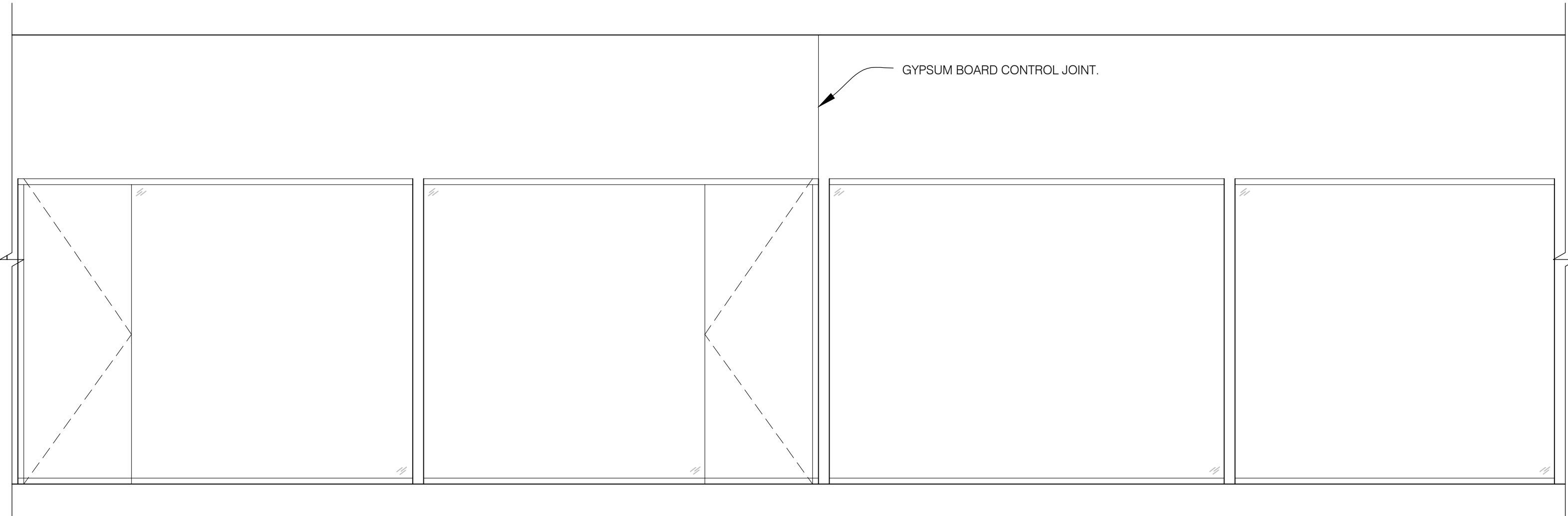
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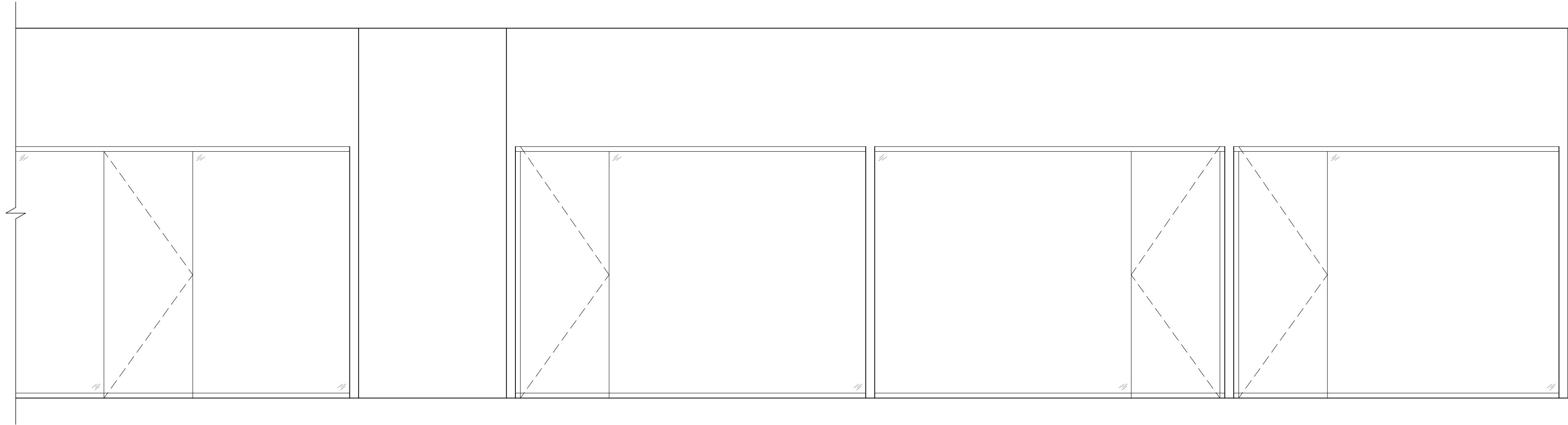
1
A313
CORRIDOR 228
ELEVATION
SCALE: 3/8" = 1'-0"



2
A313
CORRIDOR 228
ELEVATION
SCALE: 3/8" = 1'-0"



3
A313
CORRIDOR 228
ELEVATION
SCALE: 3/8" = 1'-0"



4
A313
CORRIDOR 228
ELEVATION
SCALE: 3/8" = 1'-0"

GENERAL NOTES:

- A. REFER TO T001 FOR MORE GENERAL NOTES.
- B. ALL DIMENSIONS ARE TO FACE OF MASONRY, POURED CONCRETE, OR METAL STUDS.
- C. ALL INTERIOR PARTITIONS ARE 3 1/2" METAL STUDS AT 16" o.c. WITH 5/8" GYPSUM BOARD EACH SIDE, UNLESS NOTED OTHERWISE.
- D. REFER TO INTERIOR FINISH PLANS AND FINISH SCHEDULE FOR FLOORING MATERIAL, WALL FINISHES AND PAINT COLOR.
- E. COORDINATE DOOR SIZES AND OPENING WITH SCHEDULE ON SHEET A801. NOTIFY ARCHITECT IN CASE OF ANY DISCREPANCIES.
- F. PROVIDE 2X BLOCKING @ ALL WALL HUNG CASEWORK, FIXTURES, AND SHELVES.

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SECOND FLOOR
ENLARGED PLANS,
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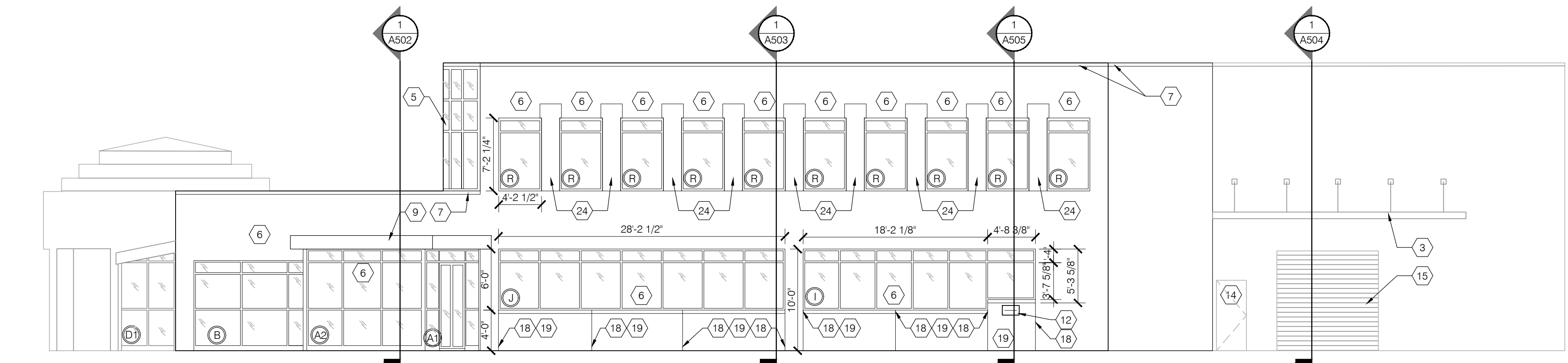
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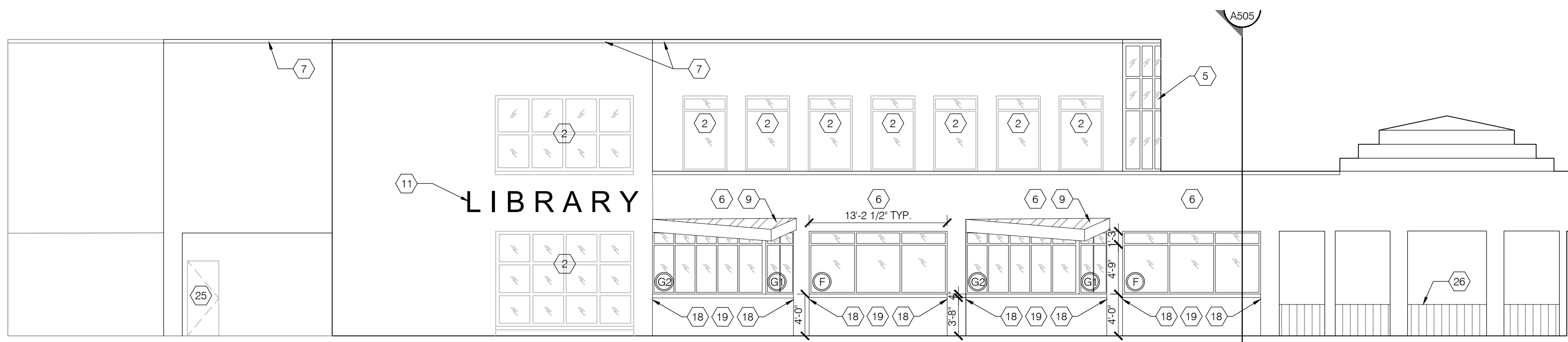
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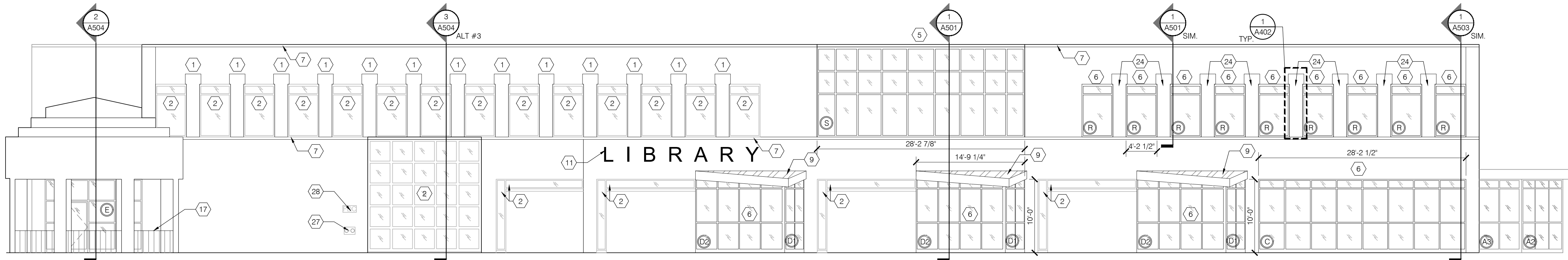
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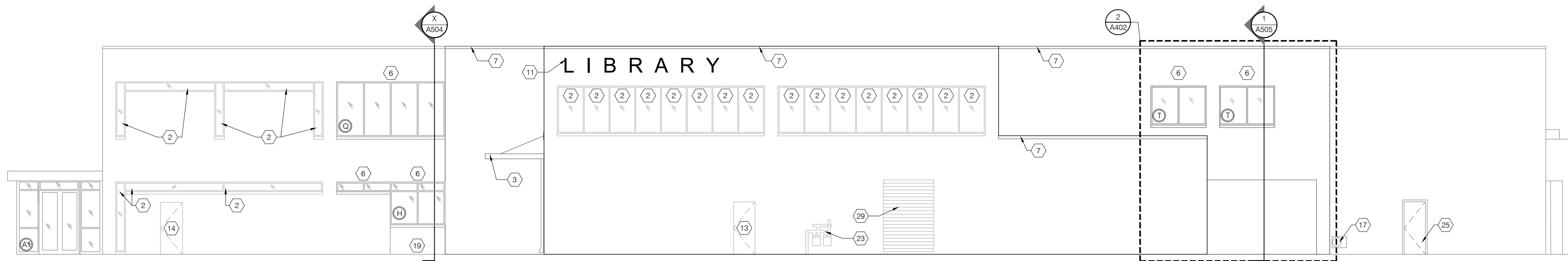
4 EAST ELEVATION
A401 SCALE: 1/8"=1'-0"



3 WEST ELEVATION
A401 SCALE: 1/8"=1'-0"



2 SOUTH ELEVATION
A401 SCALE: 1/8"=1'-0"



1 NORTH ELEVATION
A401 SCALE: 1/8"=1'-0"

GENERAL NOTES:

- REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- COORDINATE DOOR AND WINDOW SIZES AND OPENINGS WITH SCHEDULE AND ELEVATIONS ON A800 SERIES DRAWINGS. NOTIFY THE ARCHITECT IN CASE OF ANY DISCREPANCIES. VERIFY WALL OPENING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- CLEAN ALL SALVAGED LIMESTONE AS A RESULT OF DEMOLITION, MODIFICATION, AND RELOCATION.
- DIMENSIONS SHOWN ON ELEVATIONS ARE FOR APPROXIMATE SIZES OF SALVAGED LIMESTONE/CONCRETE PANELS. G.C. TO VERIFY ALL SIZES IN FIELD PRIOR TO INSTALLATION. NOTIFY THE ARCHITECT IN CASE OF ANY DISCREPANCIES.
- PROTECT ALL EXISTING ITEMS TO REMAIN THROUGHOUT CONSTRUCTION.

NOTES THIS DRAWING:

- EXISTING LIMESTONE PANEL TO REMAIN.
- EXISTING STOREFRONT/GLAZING TO REMAIN.
- PRE-ENGINEERED METAL CANOPY WITH SUPPORT HANGARS. BOTTOM EDGE OF CANOPY TO BE AT 13'-0" A.F.F. TO CLEAR EXISTING CHILLER LINES. COLOR TO BE SELECTED BY ARCHITECT. SEE STRUCTURAL DRAWINGS FOR CONNECTION DETAILS. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- PREFINISHED DOWNSPOUT. DAYLIGHT TO PARKING LOT.
- ALUMINUM CURTAINWALL SYSTEM. RE: A800 SERIES DRAWINGS FOR DETAILS.
- ALUMINUM STOREFRONT SYSTEM. RE: A800 SERIES DRAWINGS FOR DETAILS.
- EXISTING PREFINISHED ALUMINUM COPING TO REMAIN.
- NEW PREFINISHED ALUMINUM COPING. TO MATCH EXISTING COLOR AND SIZE.
- STANDING SEAM METAL ROOF SYSTEM. COLOR TO BE SELECTED BY ARCHITECT. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- PREFINISHED METAL TRIM. COLOR TO BE SELECTED BY ARCHITECT. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- EXISTING BUILDING SIGNAGE TO REMAIN.
- BOOK DROP PROVIDED BY OWNER. INSTALLED BY G.C. VERIFY SIZE AND LOCATION WITH EQUIPMENT SUPPLIER. INSTALL PER MANUFACTURER'S DETAILS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- EXISTING HOLLOW METAL DOOR TO REMAIN.
- NEW HOLLOW METAL DOOR AND FRAME IN EXISTING OPENING. PAINT TO MATCH EXISTING. RE: A801 FOR ADDITIONAL INFORMATION.
- NEW OVERHEAD GARAGE DOOR TO MATCH EXISTING SIZE, AND COLOR. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- WALL PACK. RE: ELECTRICAL DRAWINGS FOR ADDITIONAL DETAIL.
- HEAT PUMP. RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION (SEE M2.1).
- NEW CAULK JOINT TO MATCH EXISTING SIZE AND COLOR.
- SALVAGED LIMESTONE PANEL.
- NEW LIMESTONE PANEL TO MATCH EXISTING SIZE AND COLOR/FINISH.
- SALVAGED FLUTED CONCRETE PANEL.
- NEW FLUTED CONCRETE PANEL TO MATCH EXISTING STYLE AND COLOR/FINISH.
- EXISTING GAS METER TO REMAIN.
- INFILL LIMESTONE PANEL TO MATCH CORRESPONDING SECOND FLOOR INFILL PANELS ON WEST ELEVATION.
- NEW HOLLOW METAL DOOR AND FRAME. PAINT TO MATCH EXISTING. RE: A801 FOR ADDITIONAL DETAIL. RE: STRUCTURAL.
- NEW STAINLESS STEEL FENCING. RE: CIVIL DRAWINGS.
- EXISTING FIRE DEPARTMENT CONNECTION TO REMAIN.
- EXISTING FIRE DEPARTMENT SIGNAGE TO REMAIN.
- EXISTING BIRD SCREEN TO REMAIN.

COMPLETE RENOVATION/MECHANICAL UPGRADES:

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NOT FOR
CONSTRUCTION

EXTERIOR
ELEVATIONS

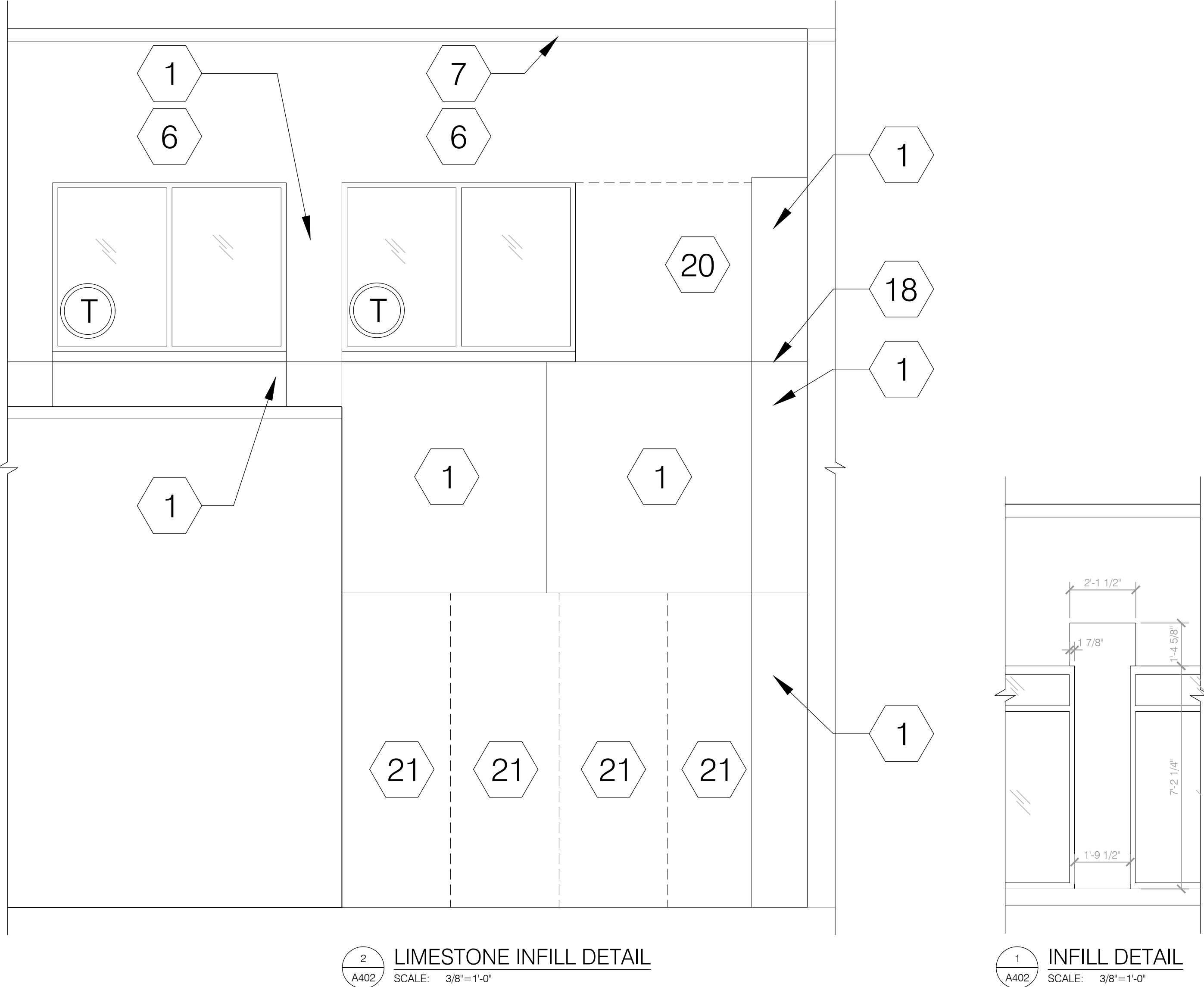
Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

A401

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Filename : 21-2113_A401.dwg Plot Date : Jan_04_2023 5:53am



GENERAL NOTES:

- REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- COORDINATE DOOR AND WINDOW SIZES AND OPENINGS WITH SCHEDULE AND ELEVATIONS ON A800 SERIES DRAWINGS. NOTIFY THE ARCHITECT IN CASE OF ANY DISCREPANCIES. VERIFY WALL OPENING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- CLEAN ALL SALVAGED LIMESTONE AS A RESULT OF DEMOLITION, MODIFICATION, AND RELOCATION.
- DIMENSIONS SHOWN ON ELEVATIONS ARE FOR APPROXIMATE SIZES OF SALVAGED LIMESTONE/CONCRETE PANELS. G.C. TO VERIFY ALL SIZES IN FIELD PRIOR TO INSTALLATION. NOTIFY THE ARCHITECT IN CASE OF ANY DISCREPANCIES.
- PROTECT ALL EXISTING ITEMS TO REMAIN THROUGHOUT CONSTRUCTION.

NOTES THIS DRAWING:

- EXISTING LIMESTONE PANEL TO REMAIN.
- EXISTING STOREFRONT/GLAZING TO REMAIN.
- PRE-ENGINEERED METAL CANOPY WITH SUPPORT HANGARS. BOTTOM EDGE OF CANOPY TO BE AT 13'-0" A.F.F. TO CLEAR EXISTING CHILLER LINES. COLOR TO BE SELECTED BY ARCHITECT. SEE STRUCTURAL DRAWINGS FOR CONNECTION DETAILS. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- PREFINISHED DOWNSPOUT, DAYLIGHT TO PARKING LOT.
- ALUMINUM CURTAINWALL SYSTEM, RE: A800 SERIES DRAWINGS FOR DETAILS.
- ALUMINUM STOREFRONT SYSTEM, RE: A800 SERIES DRAWINGS FOR DETAILS.
- EXISTING PREFINISHED ALUMINUM COPING TO REMAIN.
- NEW PREFINISHED ALUMINUM COPING. TO MATCH EXISTING COLOR AND SIZE.
- STANDING SEAM METAL ROOF SYSTEM. COLOR TO BE SELECTED BY ARCHITECT. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- PREFINISHED METAL TRIM. COLOR TO BE SELECTED BY ARCHITECT. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- EXISTING BUILDING SIGNAGE TO REMAIN.
- BOOK DROP PROVIDED BY OWNER, INSTALLED BY G.C. VERIFY SIZE AND LOCATION WITH EQUIPMENT SUPPLIER. INSTALL PER MANUFACTURER'S DETAILS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- EXISTING HOLLOW METAL DOOR TO REMAIN.
- NEW HOLLOW METAL DOOR AND FRAME IN EXISTING OPENING. PAINT TO MATCH EXISTING. RE: A801 FOR ADDITIONAL INFORMATION.
- NEW OVERHEAD GARAGE DOOR TO MATCH EXISTING SIZE, AND COLOR. RE: SPECIFICATIONS FOR ADDITIONAL DETAIL.
- WALL PACK. RE: ELECTRICAL DRAWINGS FOR ADDITIONAL DETAIL.
- HEAT PUMP. RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION (SEE M2.1).
- NEW CAULK JOINT TO MATCH EXISTING SIZE AND COLOR.
- SALVAGED LIMESTONE PANEL.
- NEW LIMESTONE PANEL TO MATCH EXISTING SIZE AND COLOR/FINISH.
- SALVAGED FLUTED CONCRETE PANEL.
- NEW FLUTED CONCRETE PANEL TO MATCH EXISTING STYLE AND COLOR/FINISH.
- EXISTING GAS METER TO REMAIN.
- INFILL LIMESTONE PANEL TO MATCH CORRESPONDING SECOND FLOOR INFILL PANELS ON WEST ELEVATION.

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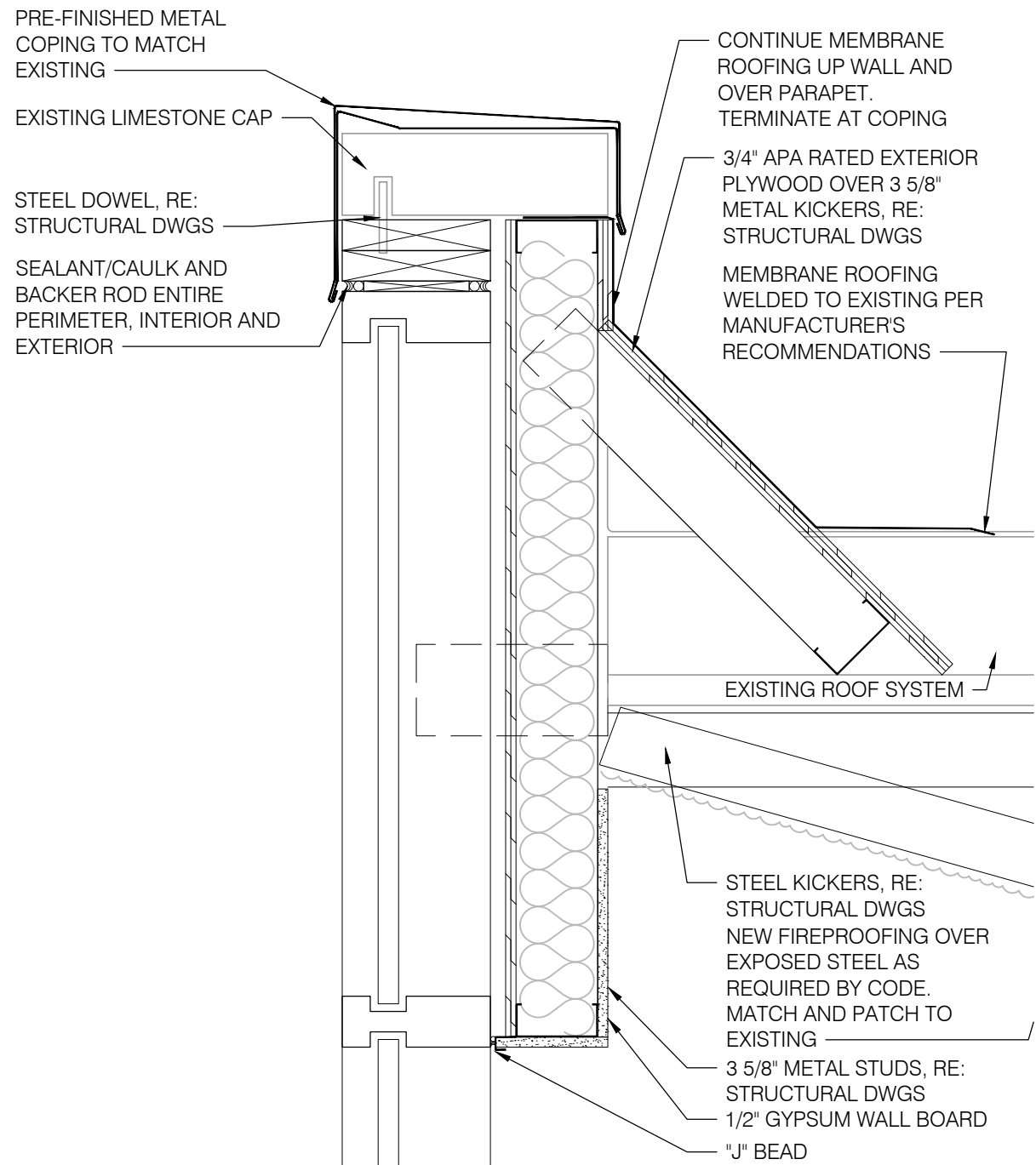
EXTERIOR
ELEVATIONS
DETAILS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

A402

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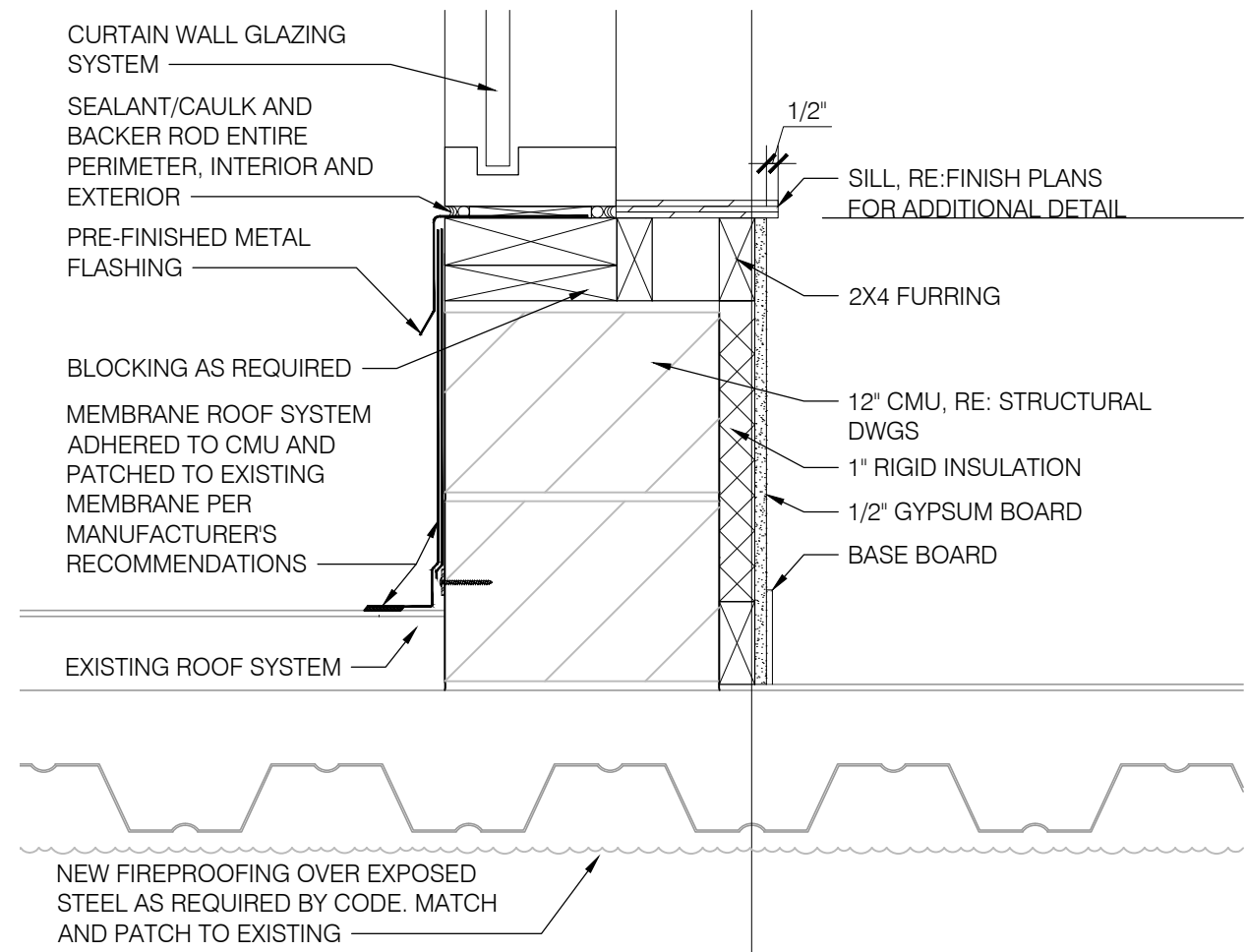
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4
A501

CURTAINWALL HEAD SECTION DETAIL

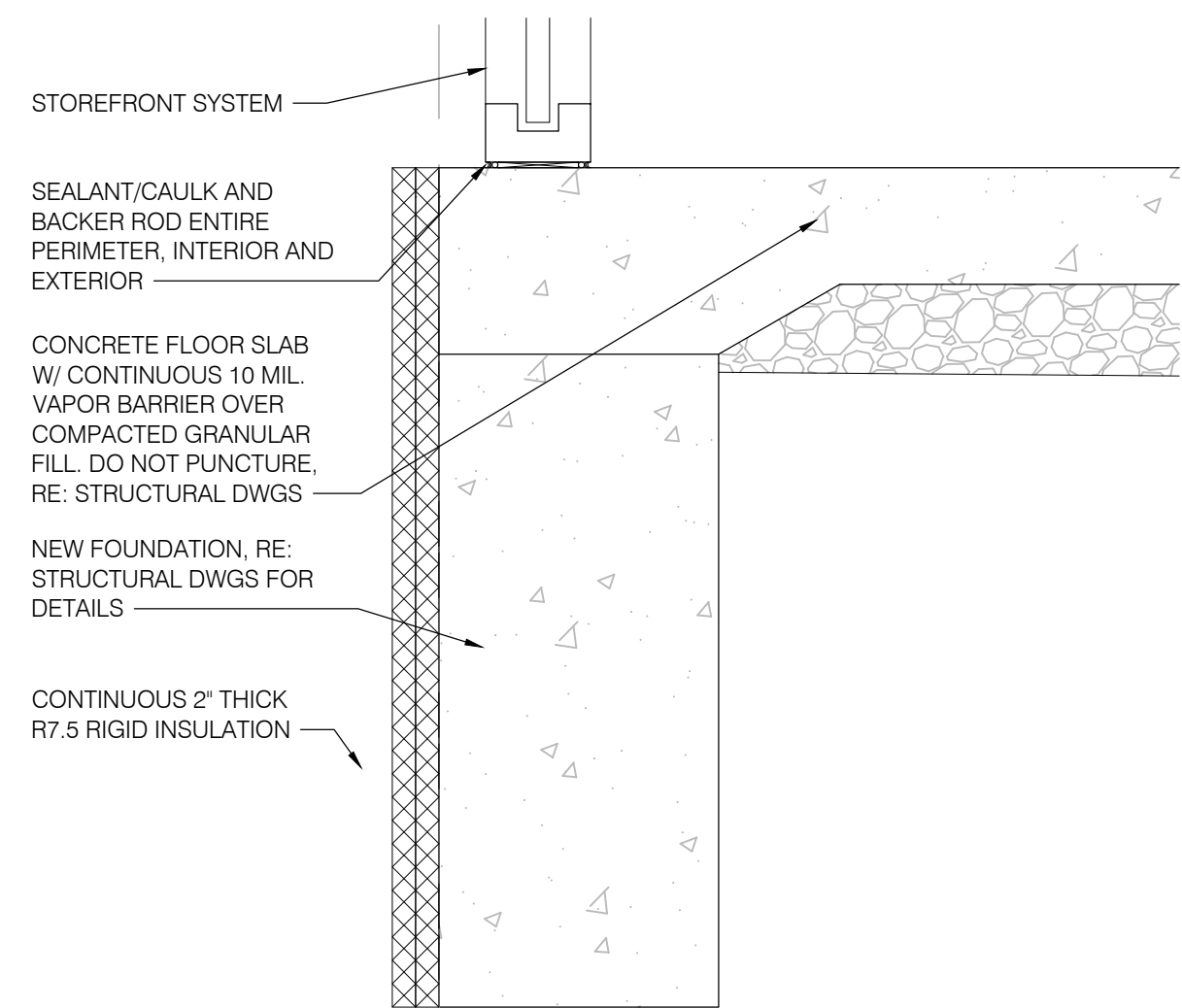
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3
A501

CURTAINWALL SILL SECTION DETAIL

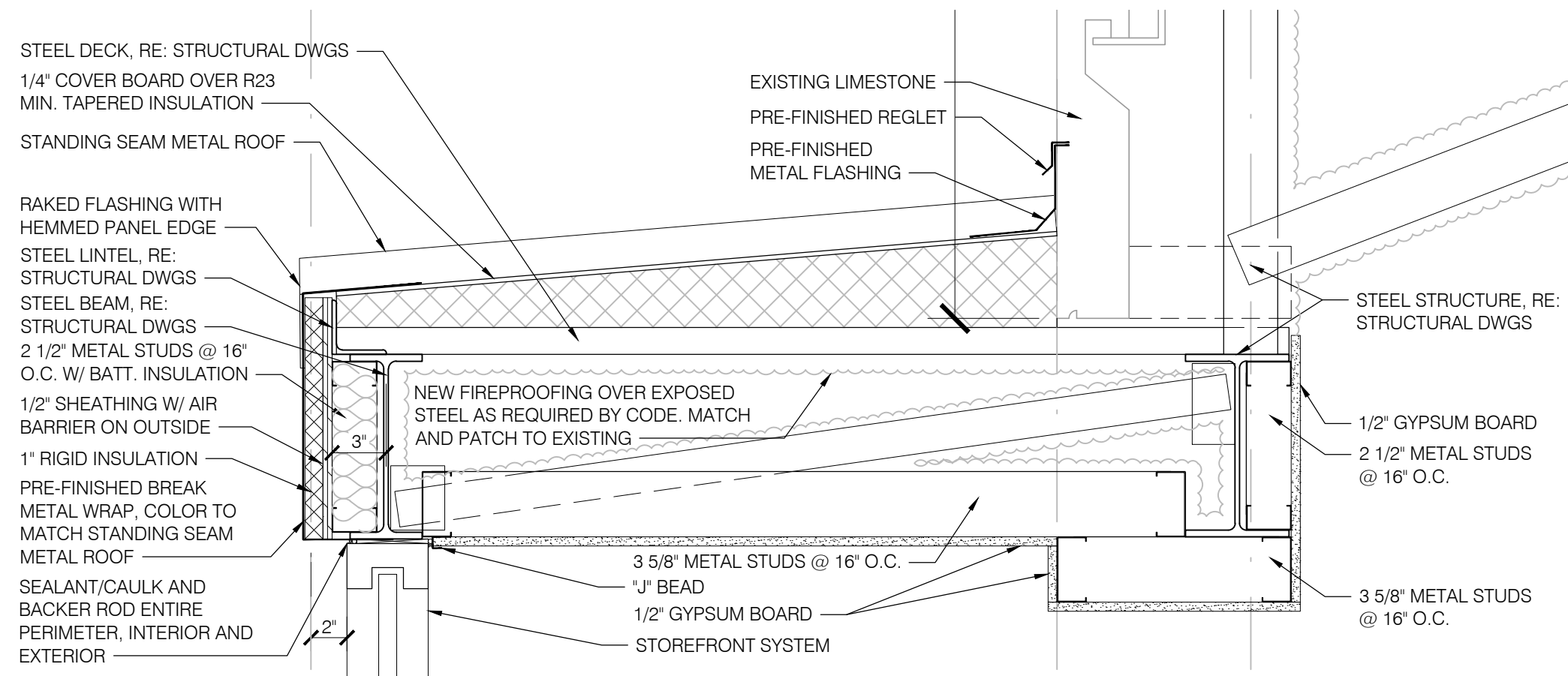
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2
A501

FOUNDATION SECTION DETAIL

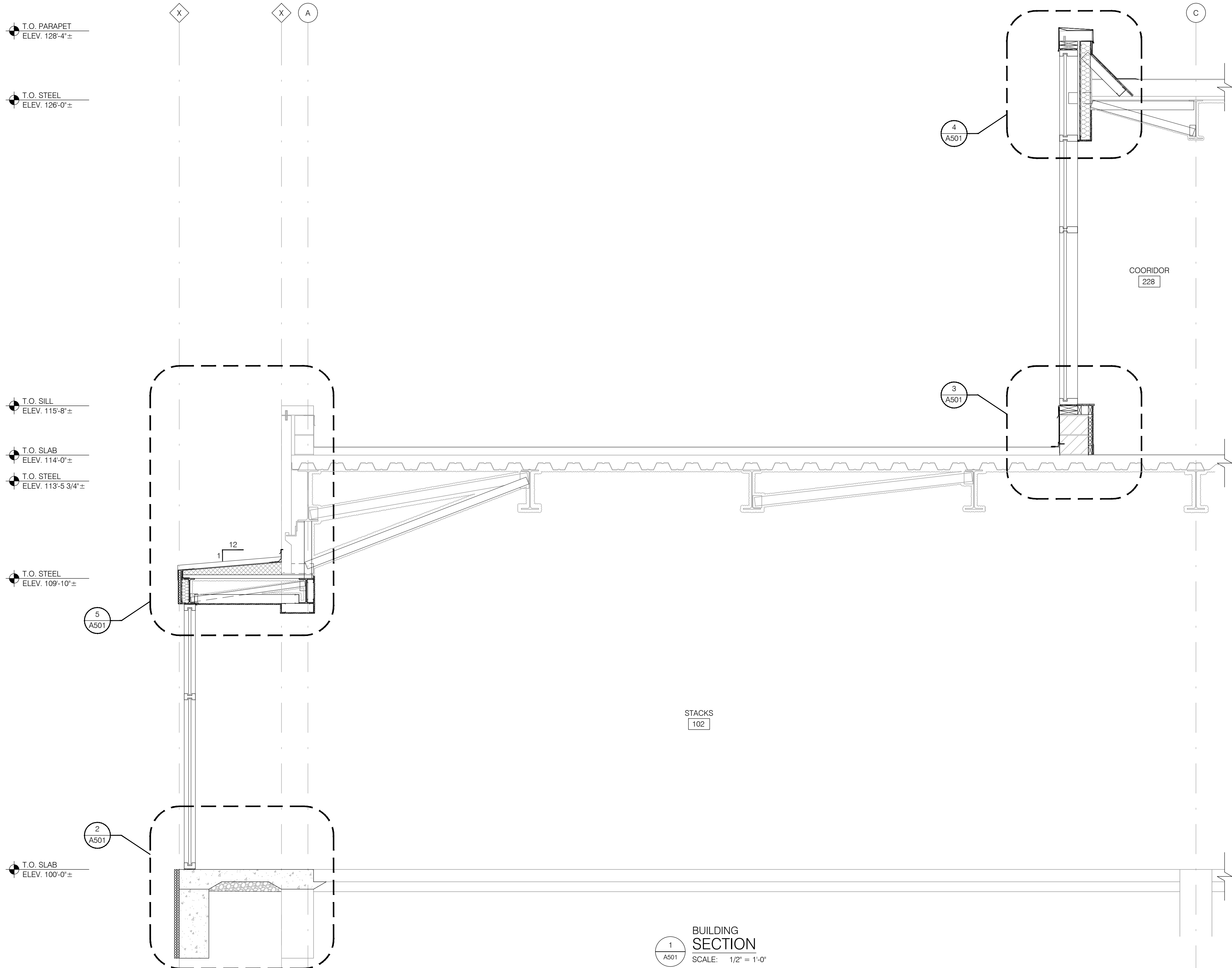
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5
A501

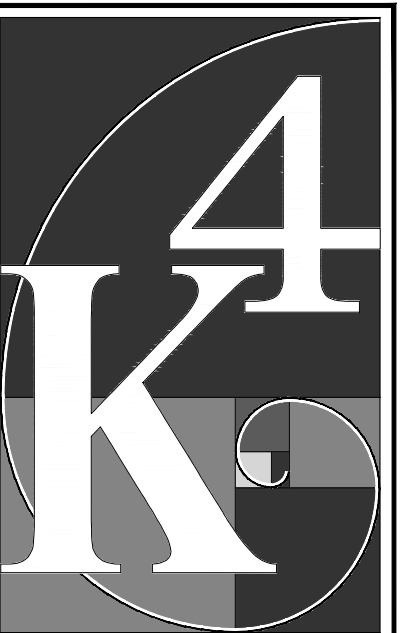
ROOF PROJECTION SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



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- REFER TO T001 FOR ADDITIONAL GENERAL NOTES.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- REFER TO A113 FOR ROOF DETAILS.
- REFER TO A114 FOR STANDING SEAM ROOF DETAILS.
- NEW FIREPROOFING OVER EXPOSED STEEL AS REQUIRED BY CODE. MATCH AND PATCH TO EXISTING



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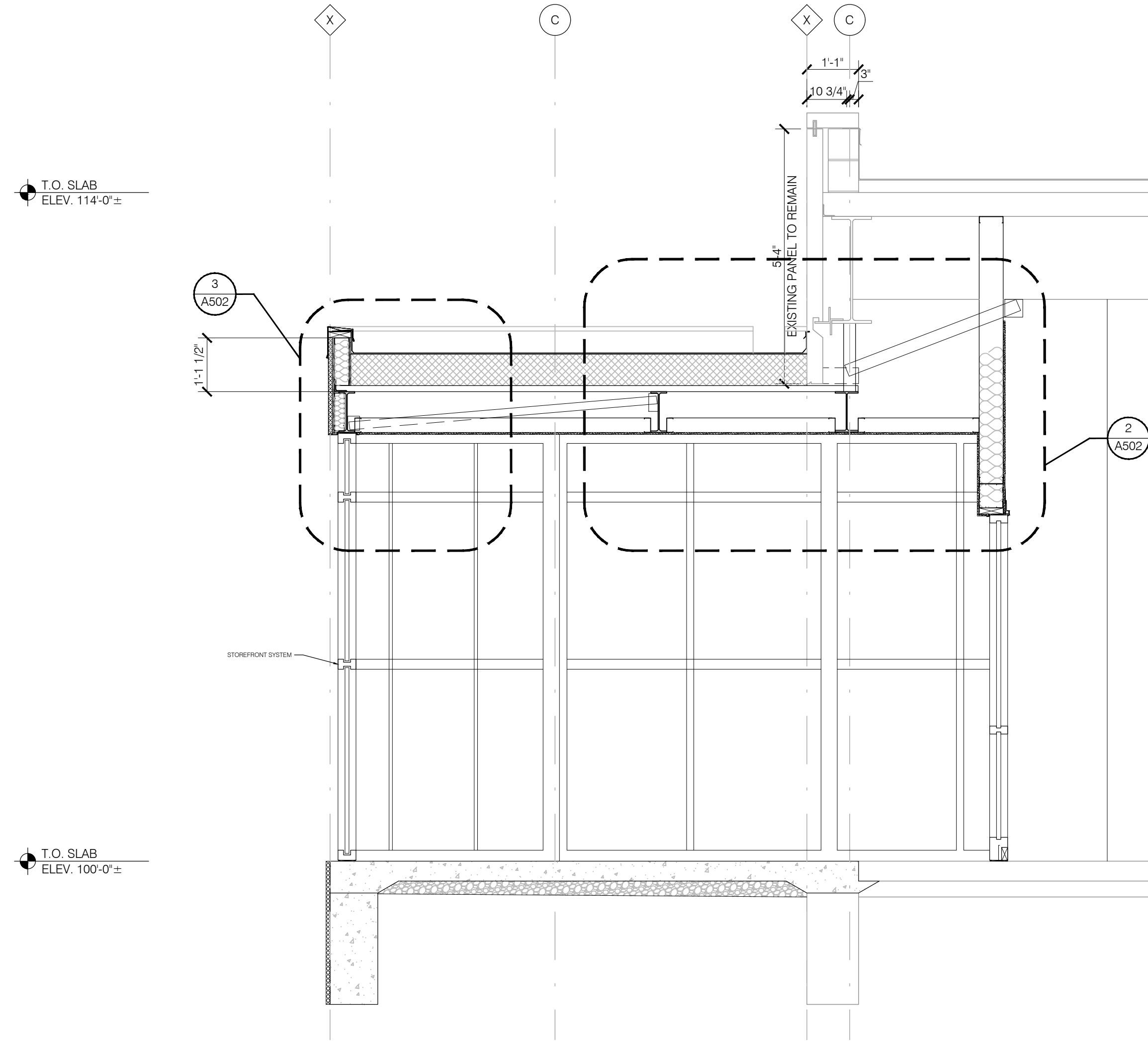
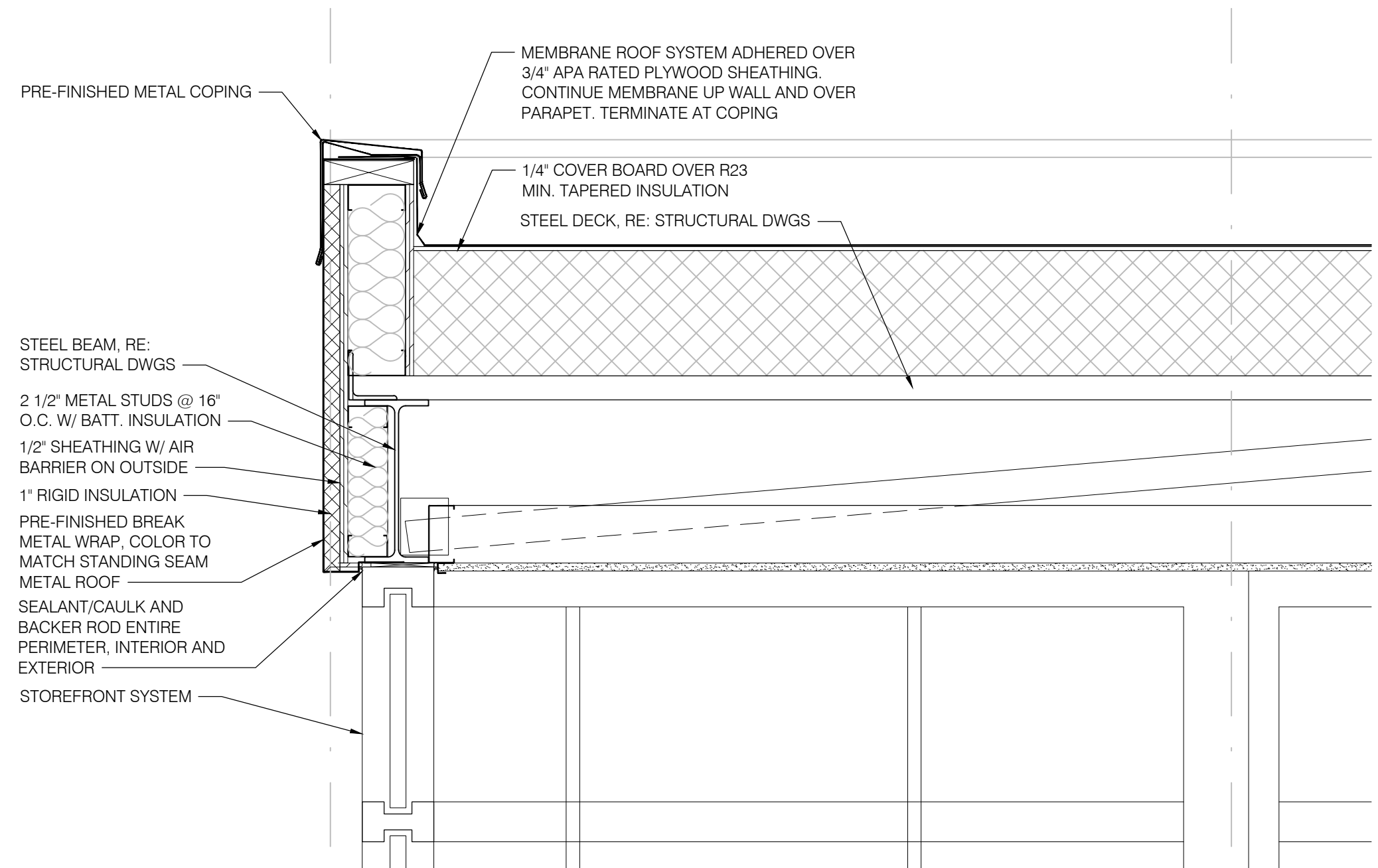
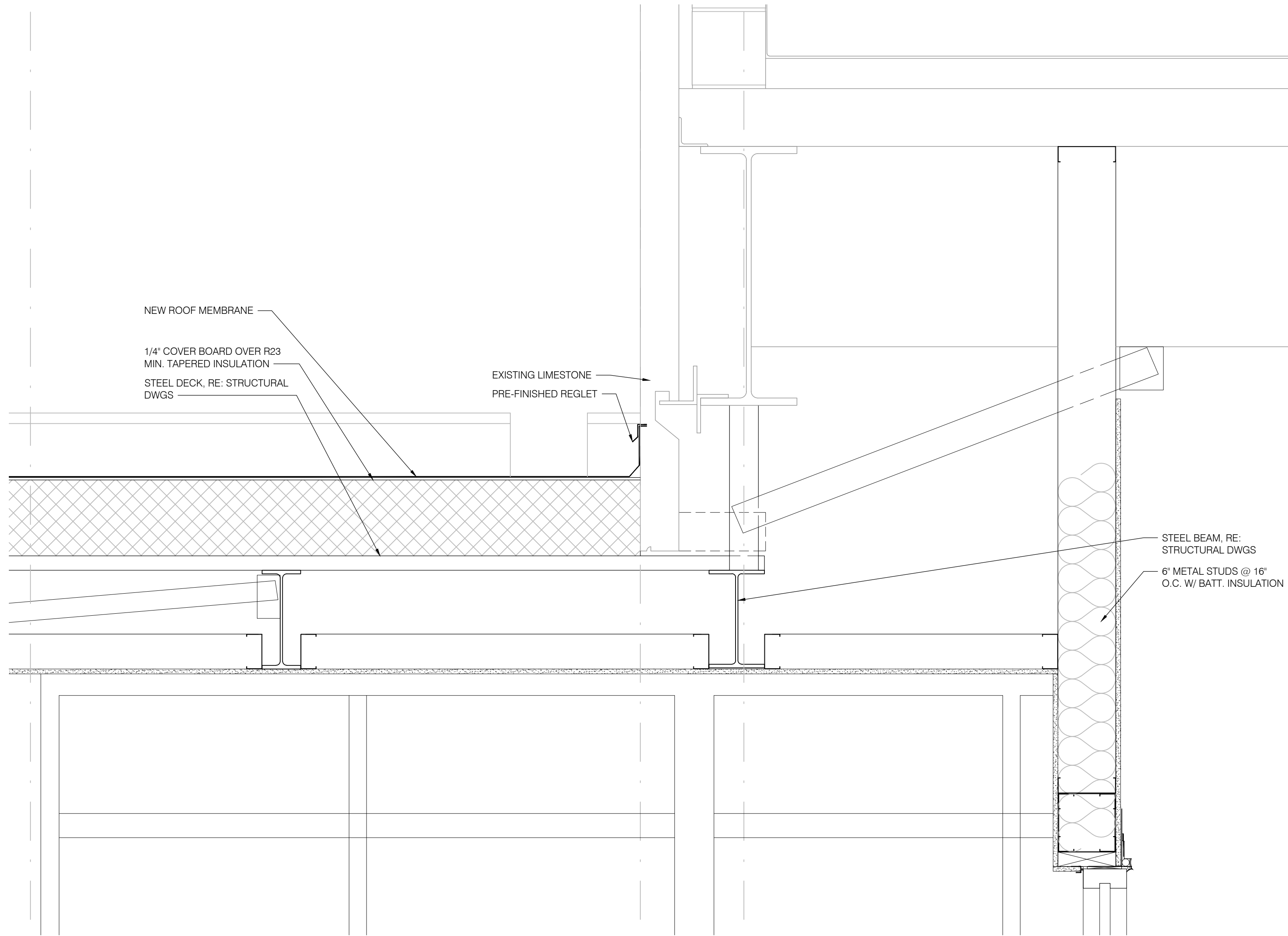
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AND DETAILS

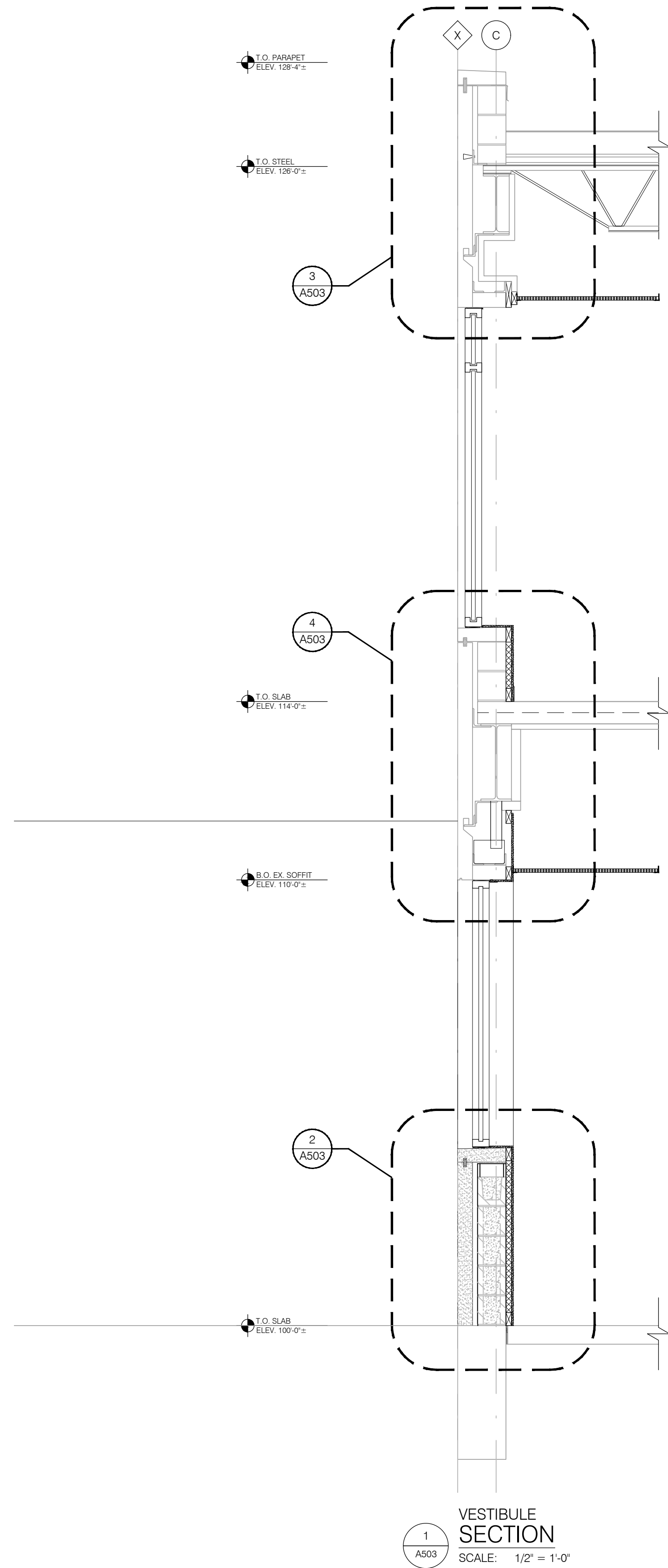
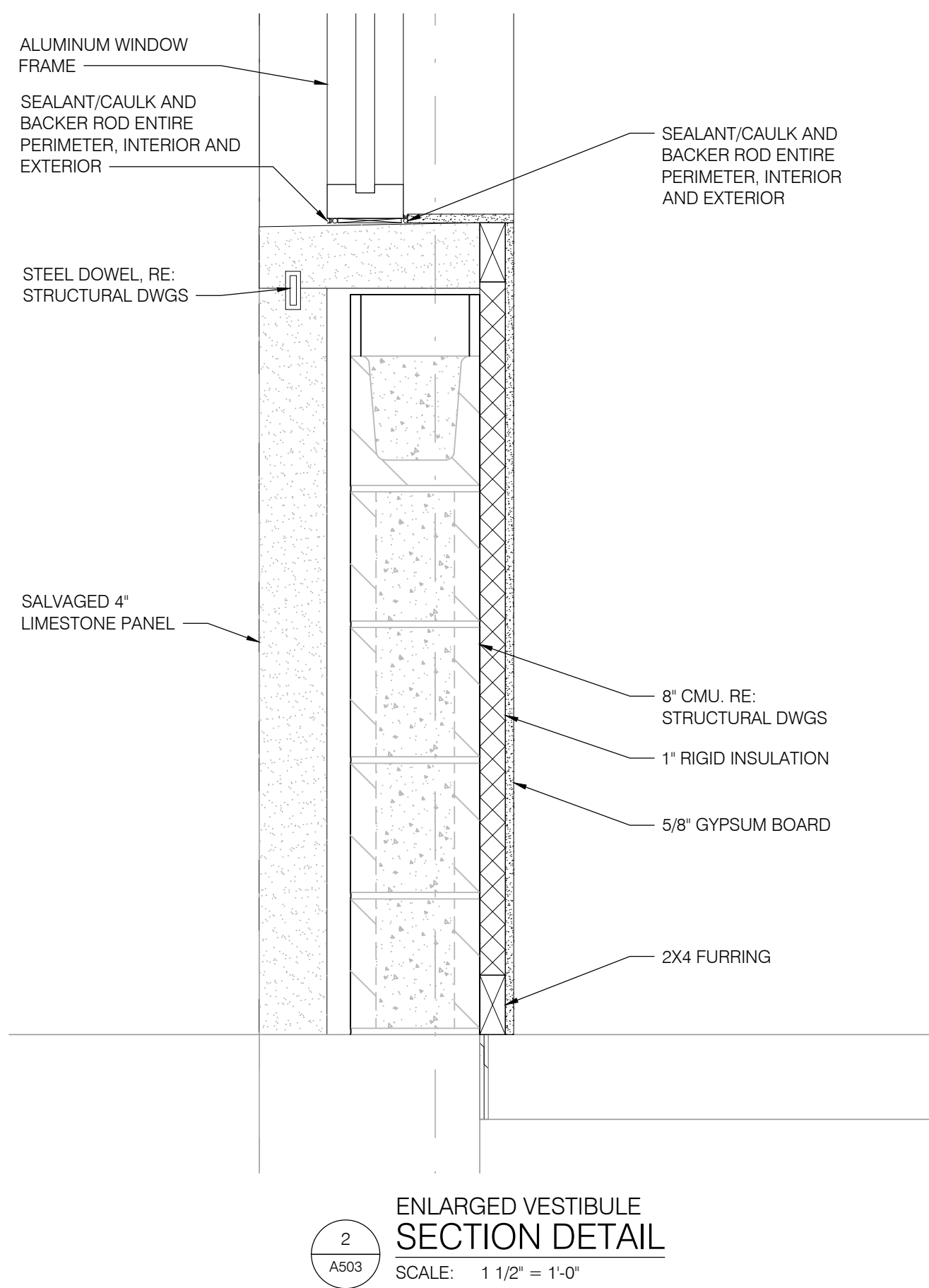
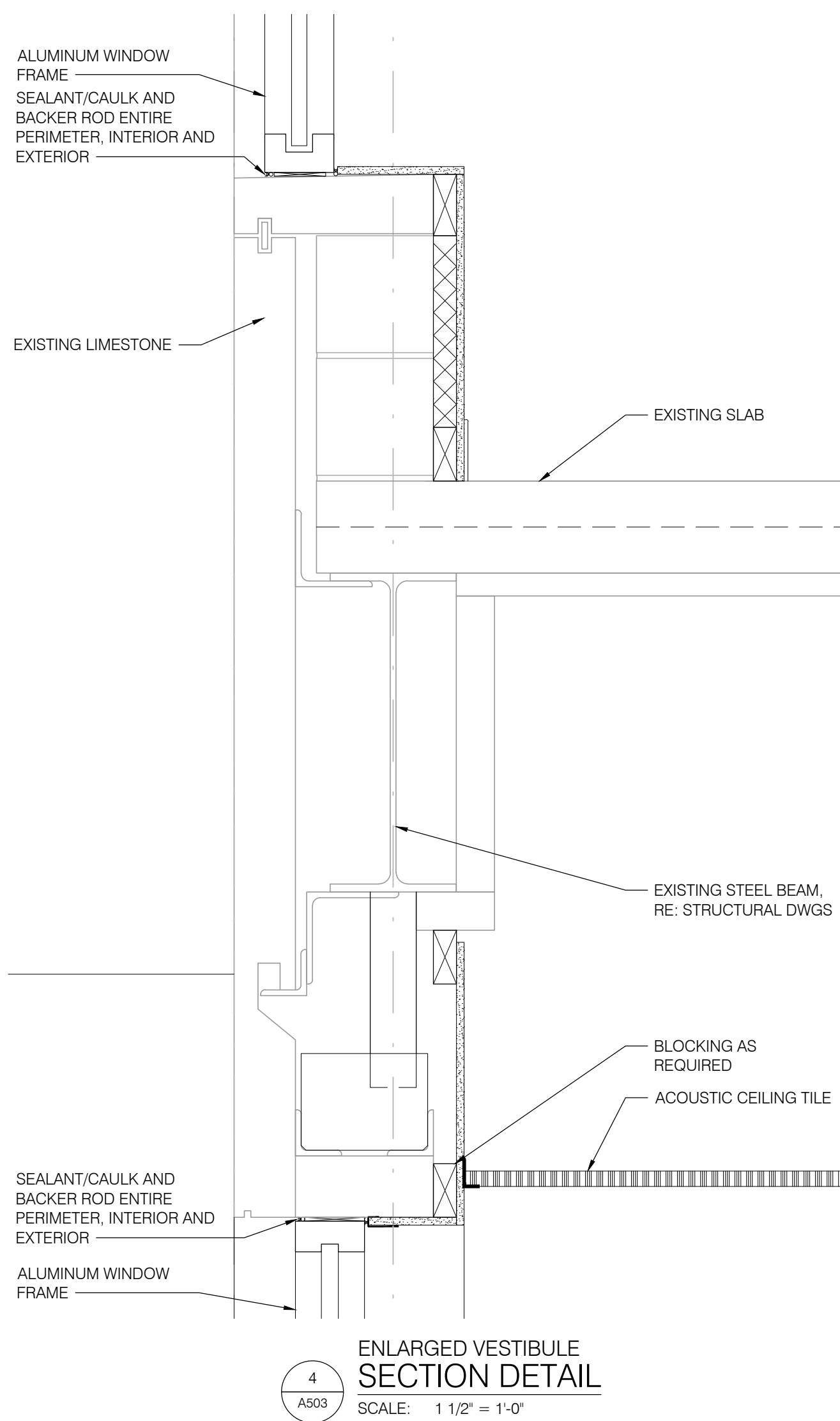
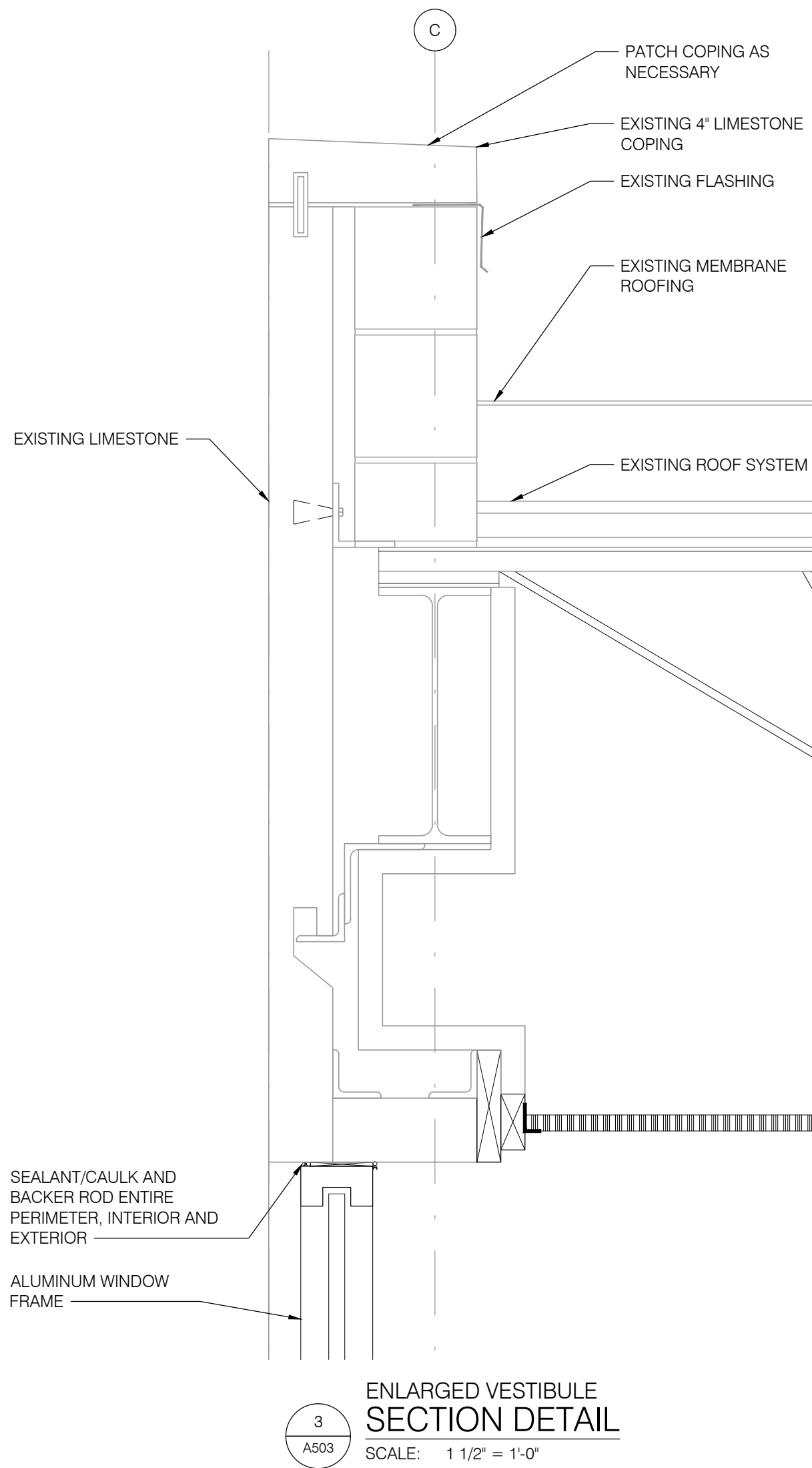
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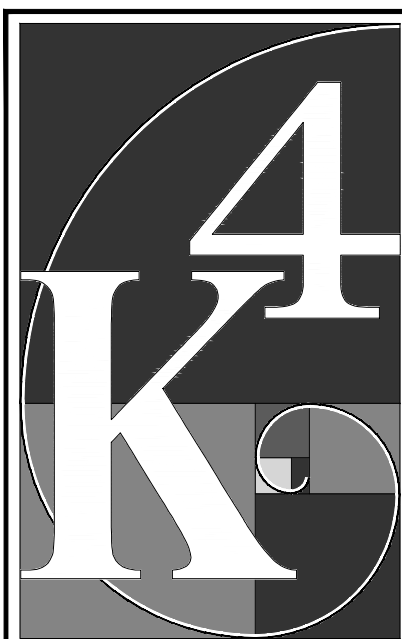
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AND DETAILS

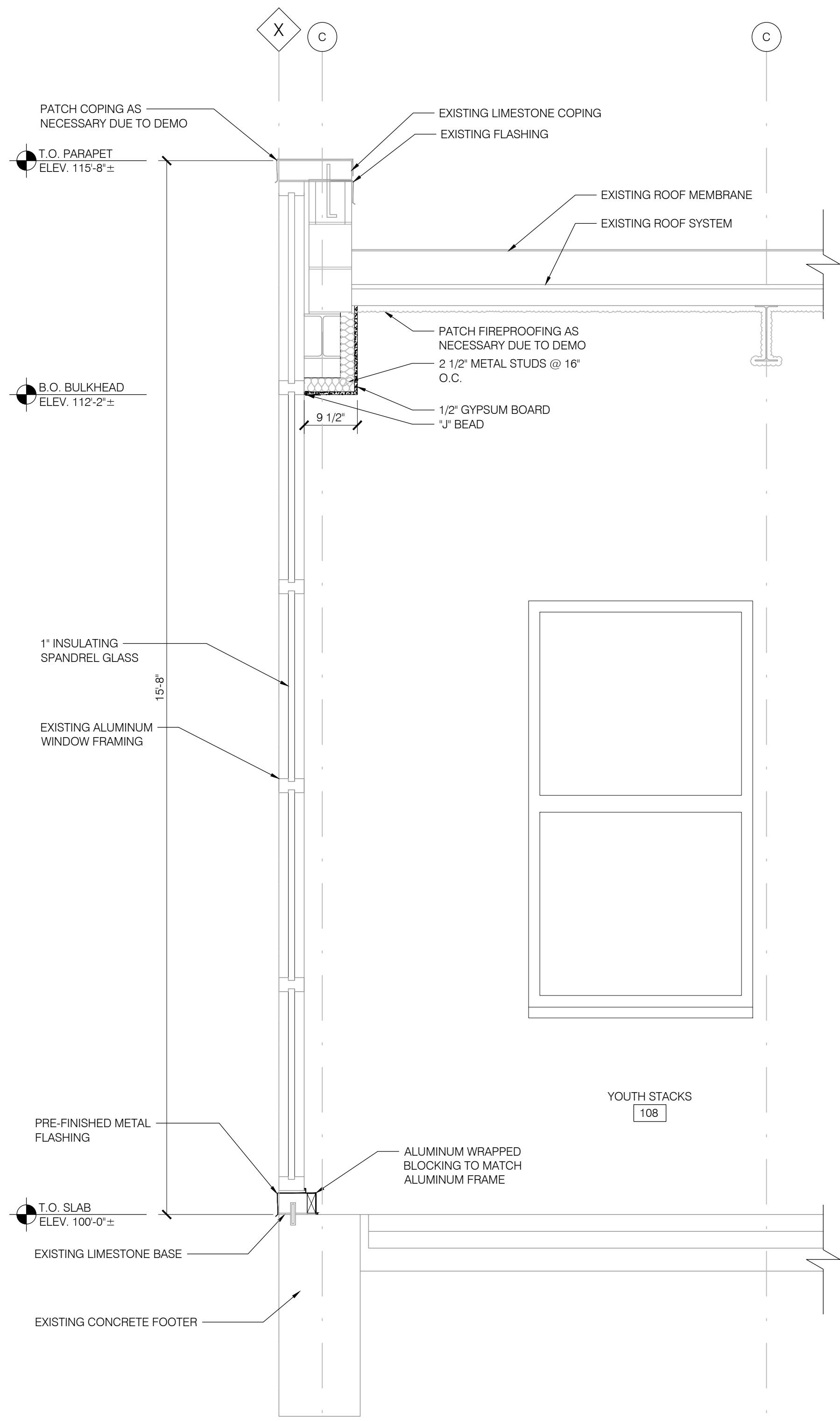
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A503

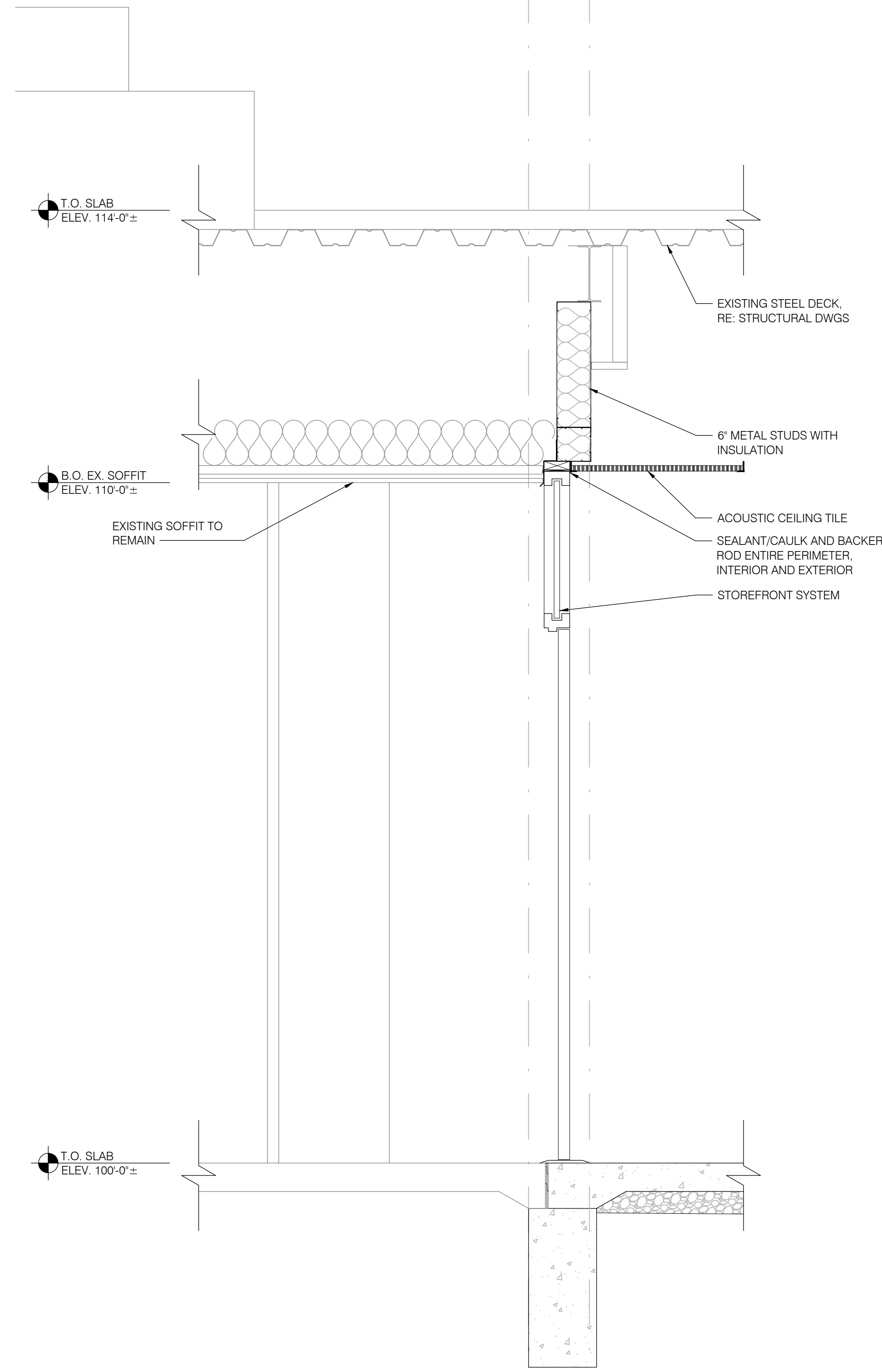
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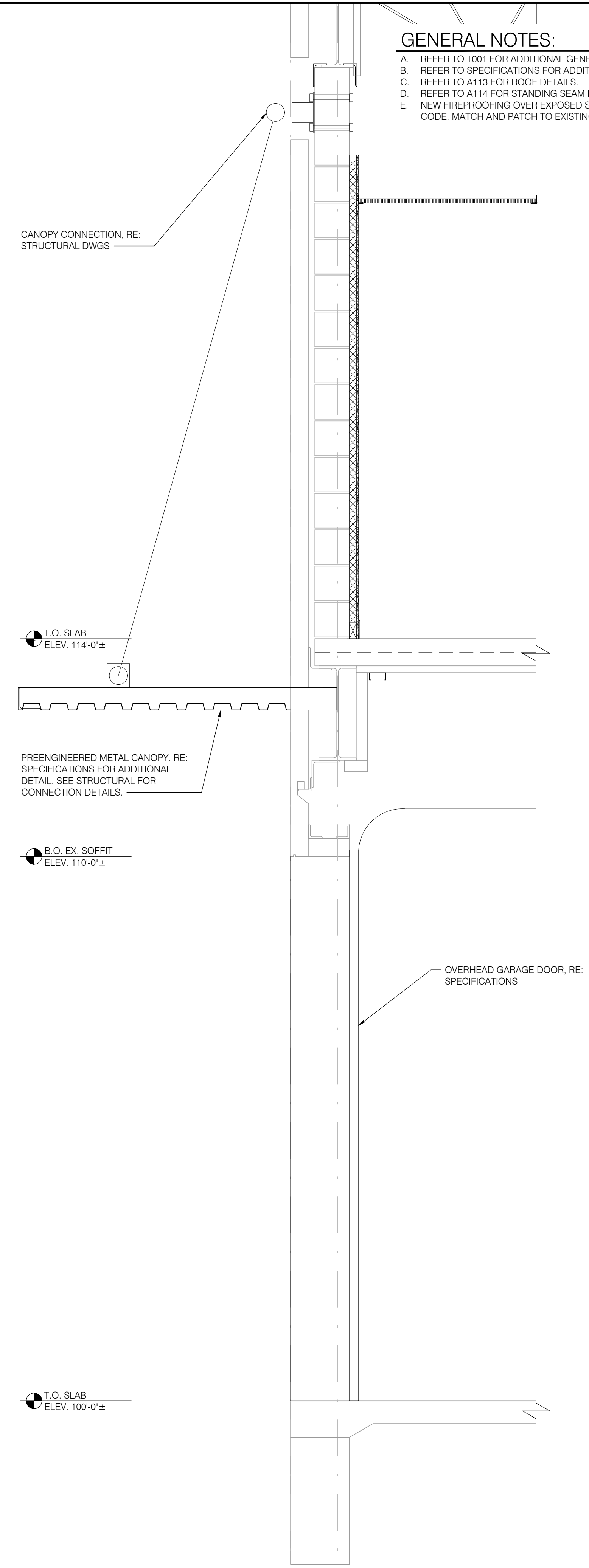
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3
A504
ALTERNATE #3
WALL SECTION
SCALE: 3/4" = 1'-0"




2
A504
IT OFFICE 203
SECTION DETAIL
SCALE: 3/4" = 1'-0"



1
A504
IT OFFICE 203
SECTION DETAIL
SCALE: 3/4" = 1'-0"

- GENERAL NOTES:**
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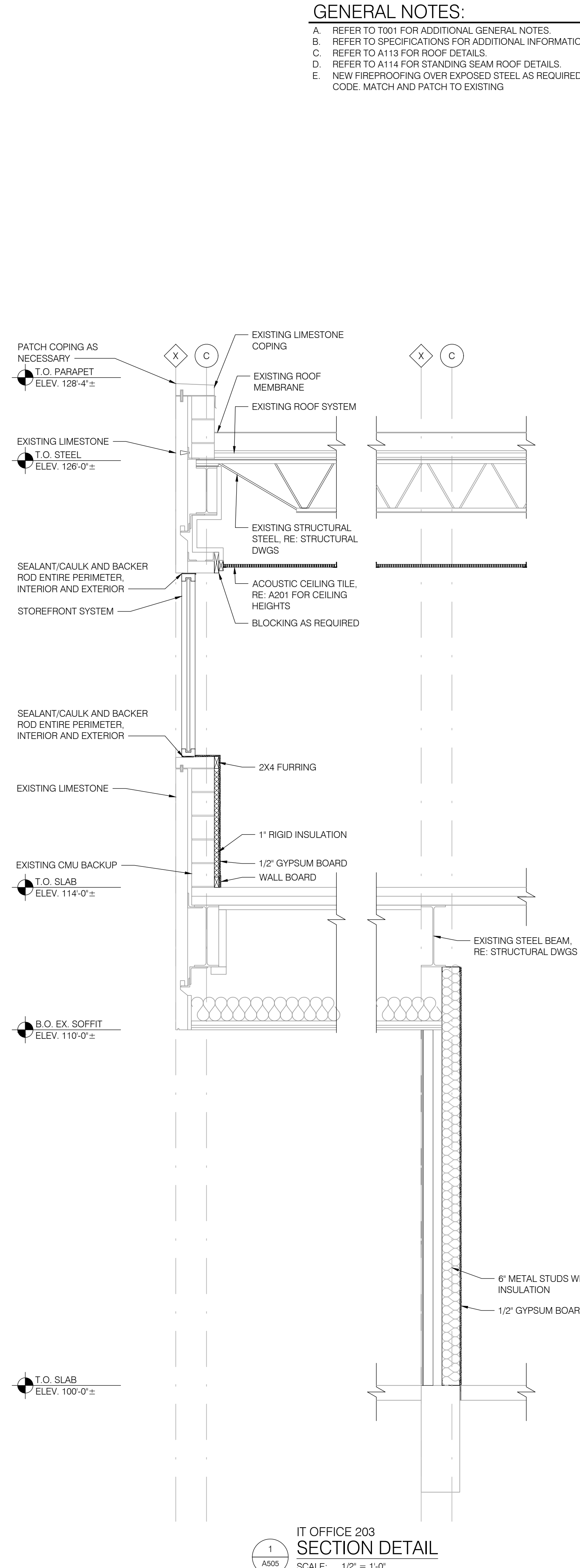
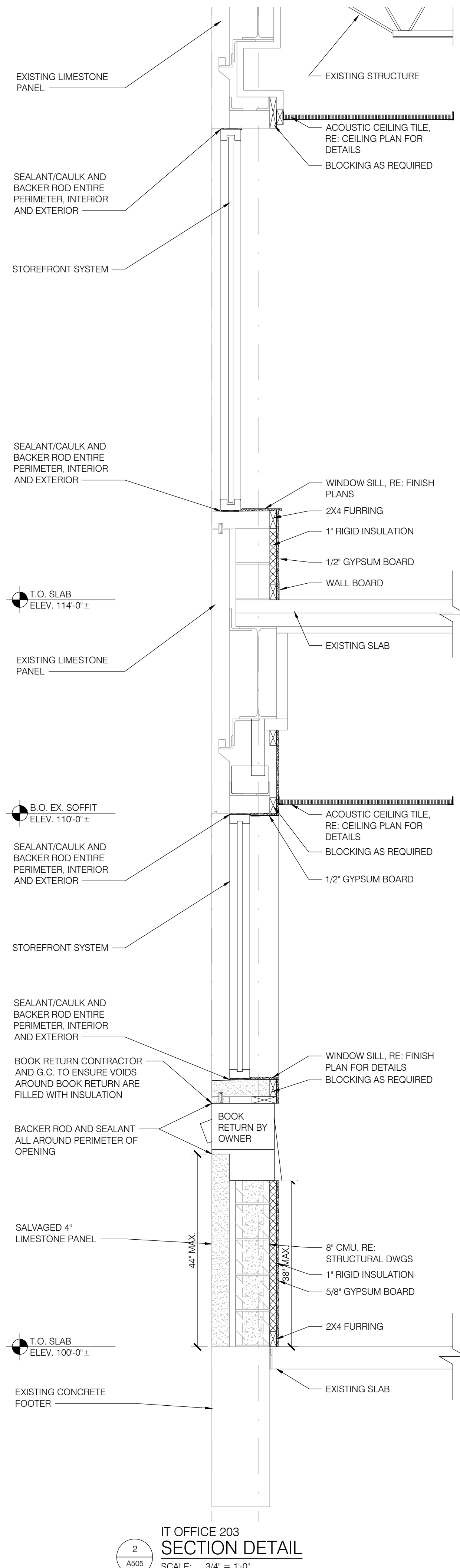
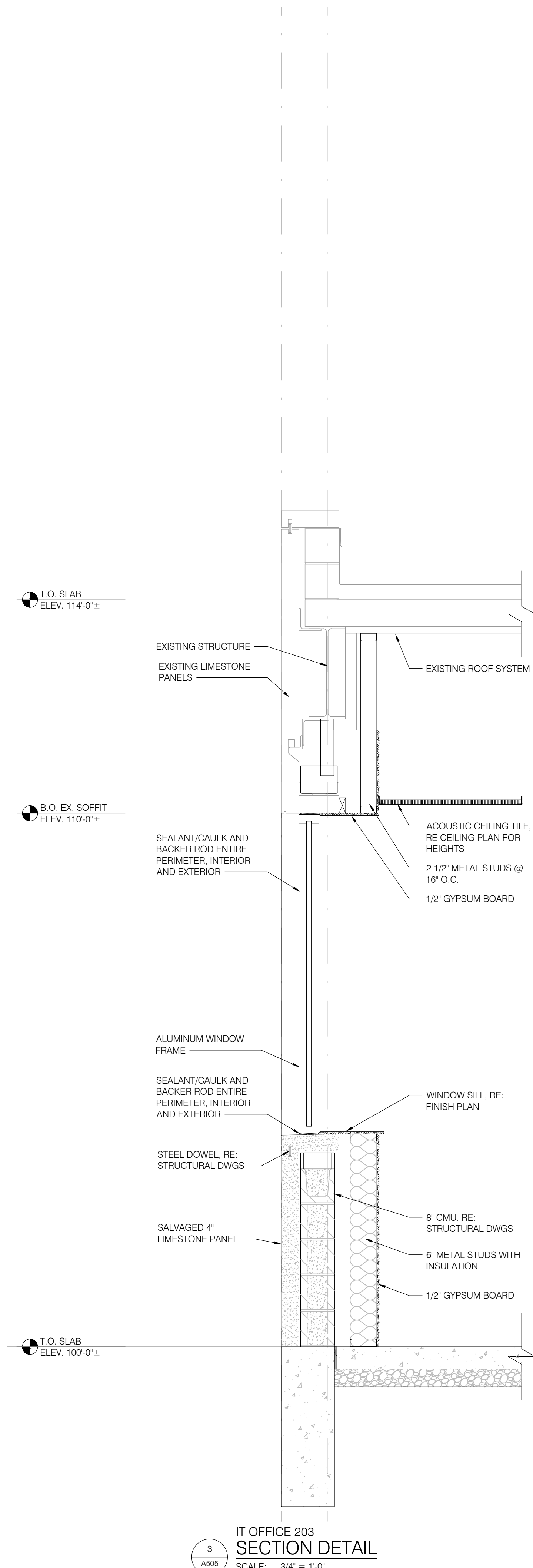
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WALL SECTIONS

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A504



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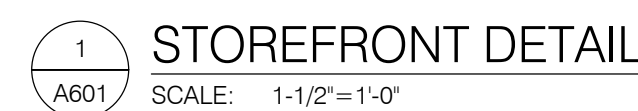
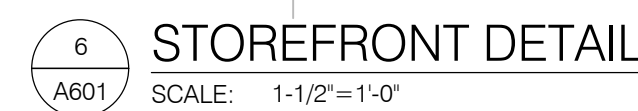
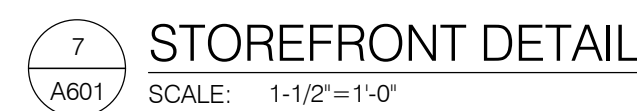
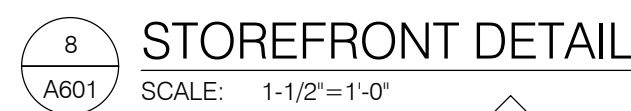
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WALL SECTIONS

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A505

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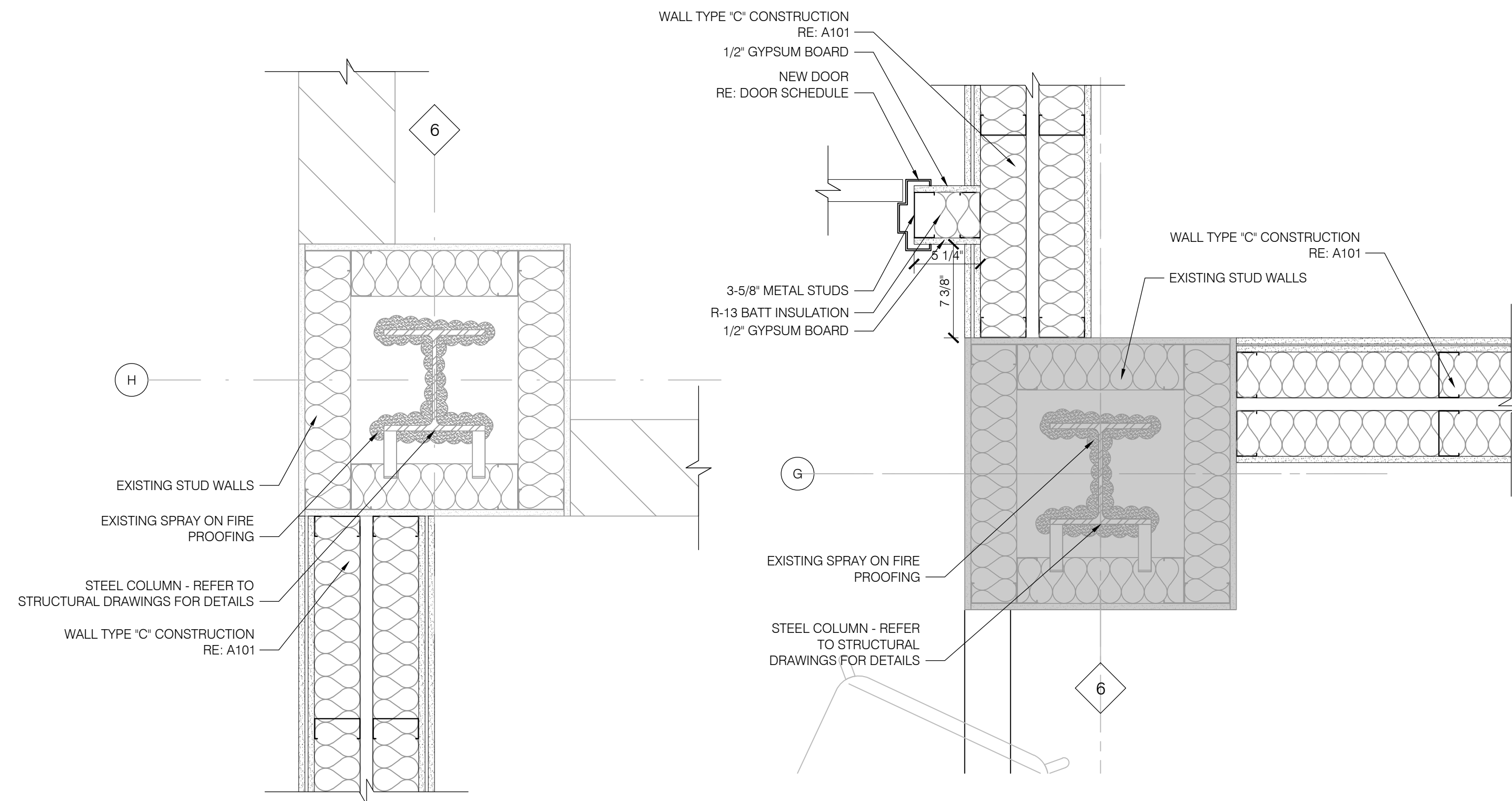
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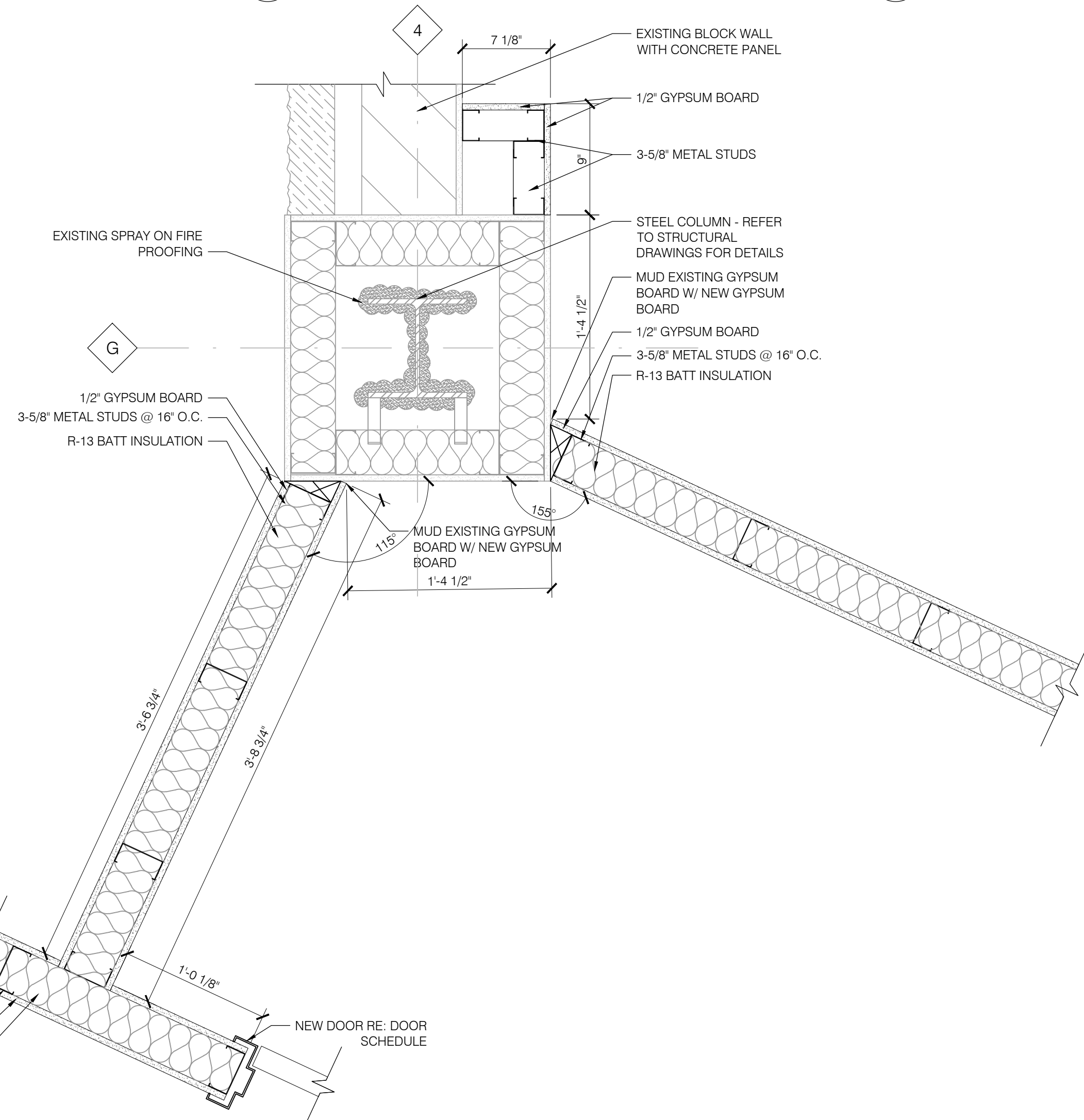
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Filename : 21-2113 A601.dwg Plot Date : Jan 04, 2023 5:59am



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PARTITION CONSTRUCTION

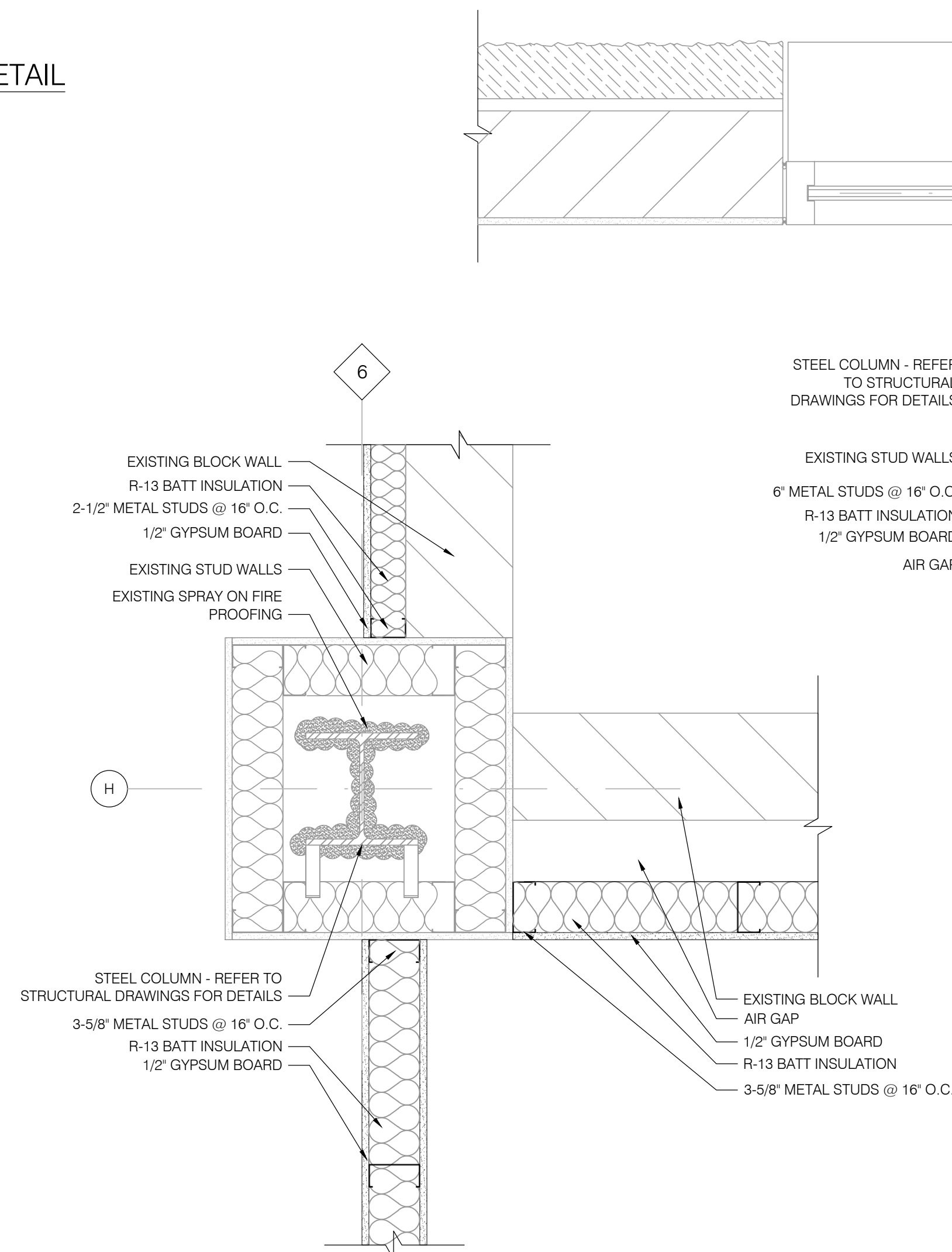
6 STOREFRONT DETAIL
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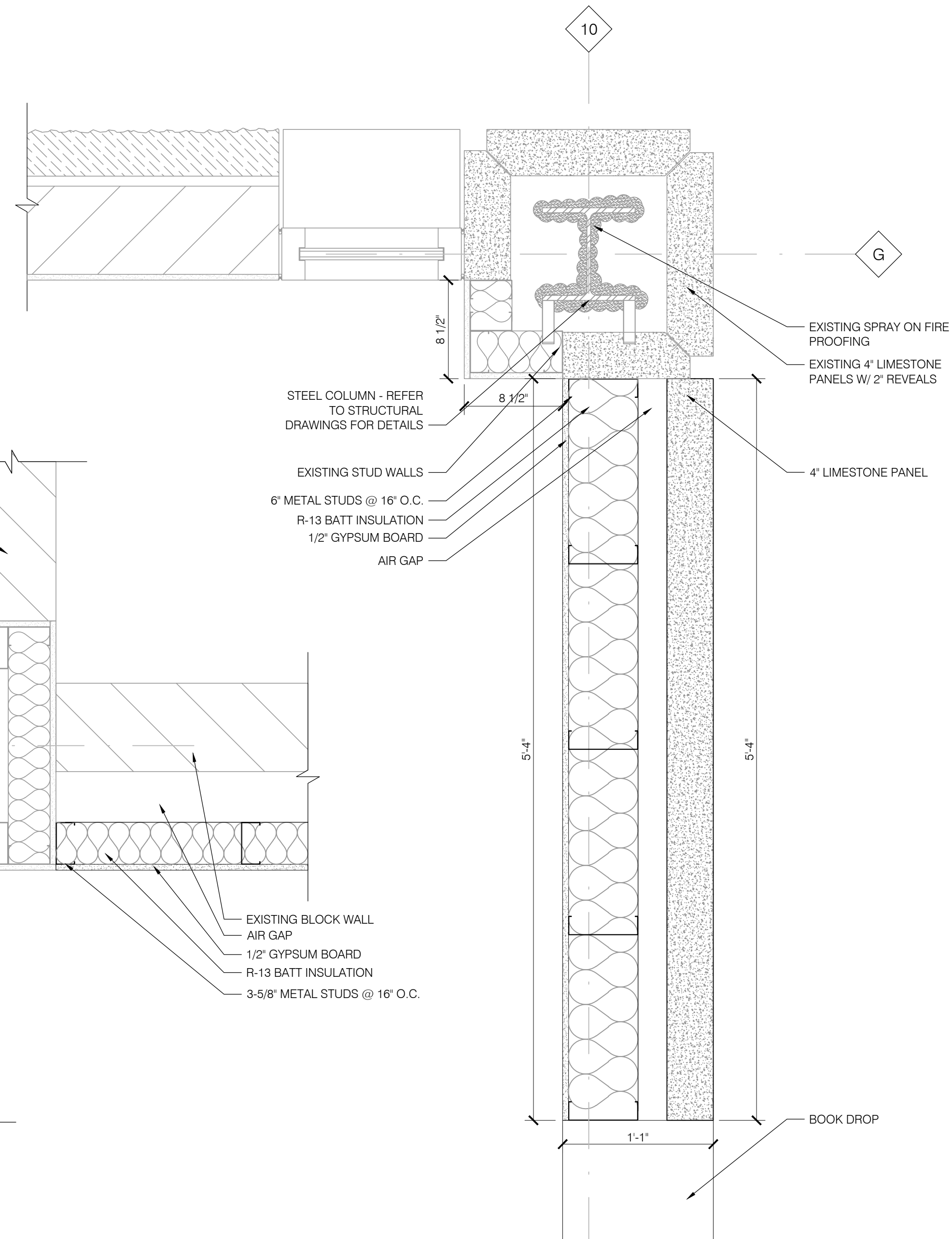
3 STOREFRONT DETAIL
SCALE: 1-1/2"=1'-0"

3-5/8" METAL STUDS @ 16" O.C.
1/2" GYPSUM BOARD
R-13 BATT INSULATION

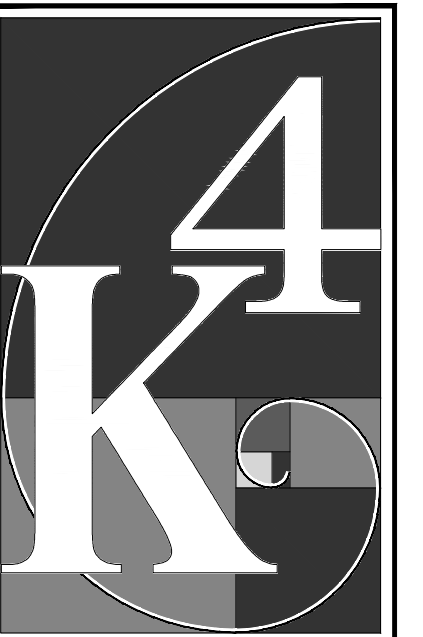
5 STOREFRONT DETAIL
SCALE: 1-1/2"=1'-0"



2 COLUMN DETAIL
SCALE: 1-1/2"=1'-0"



1 BOOK DROP DETAIL
SCALE: 1-1/2"=1'-0"



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DETAILS

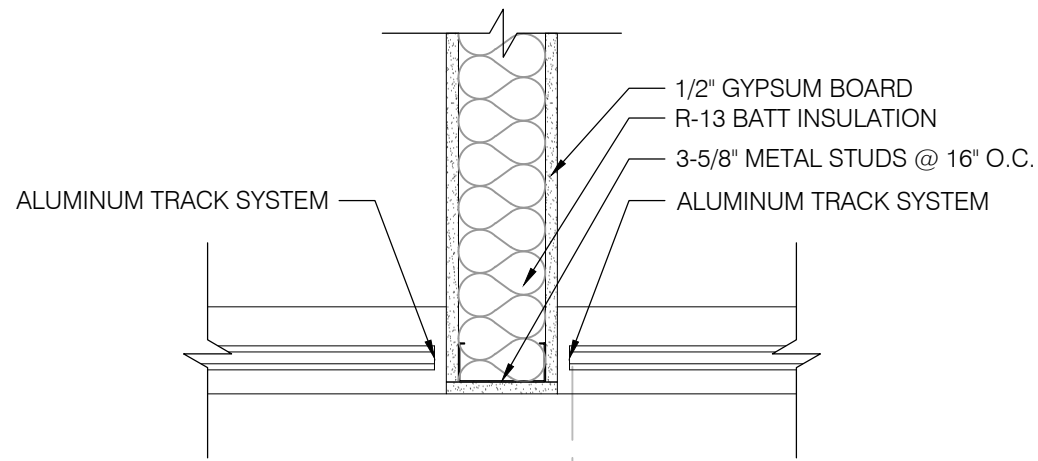
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A602

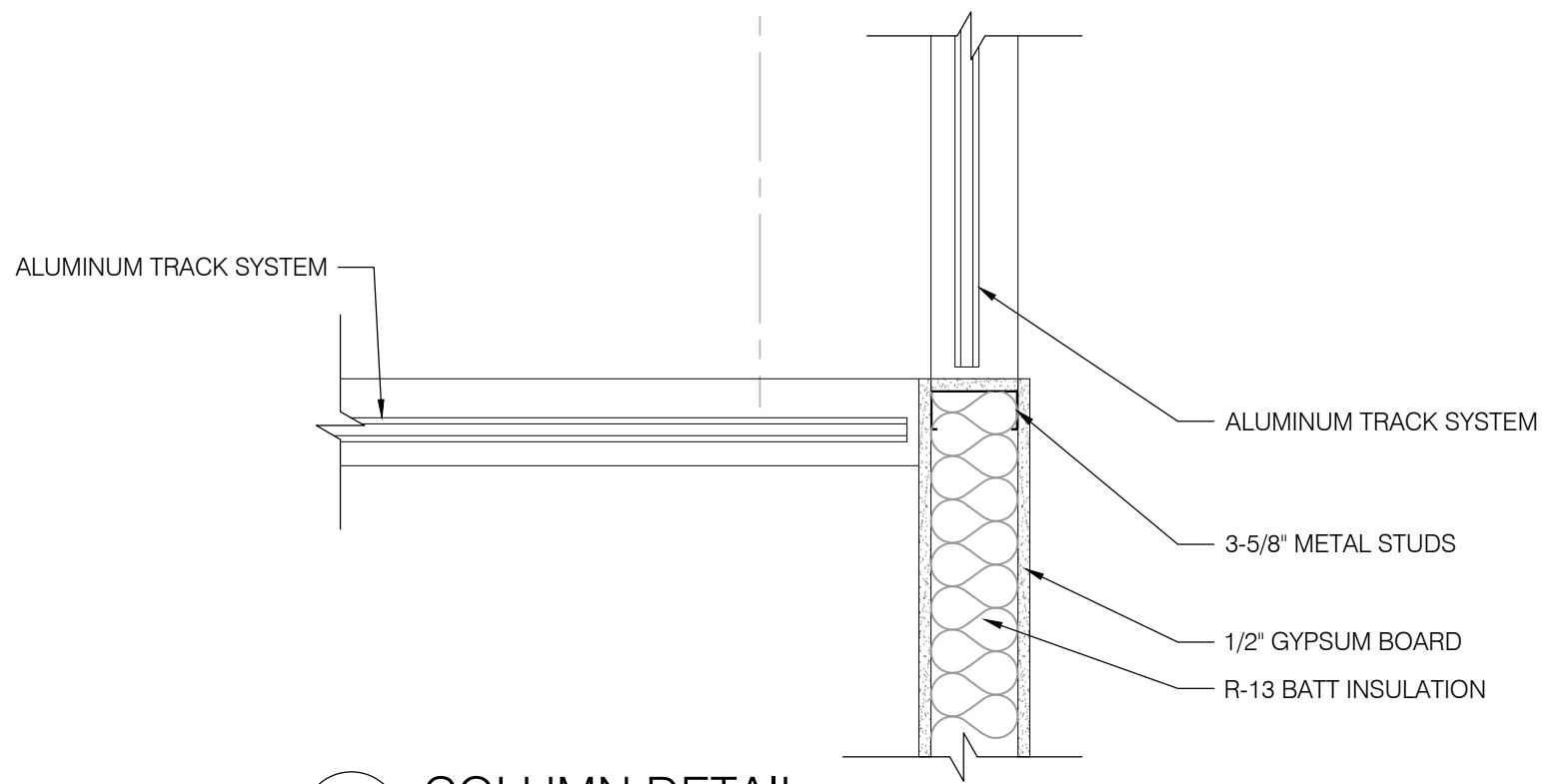
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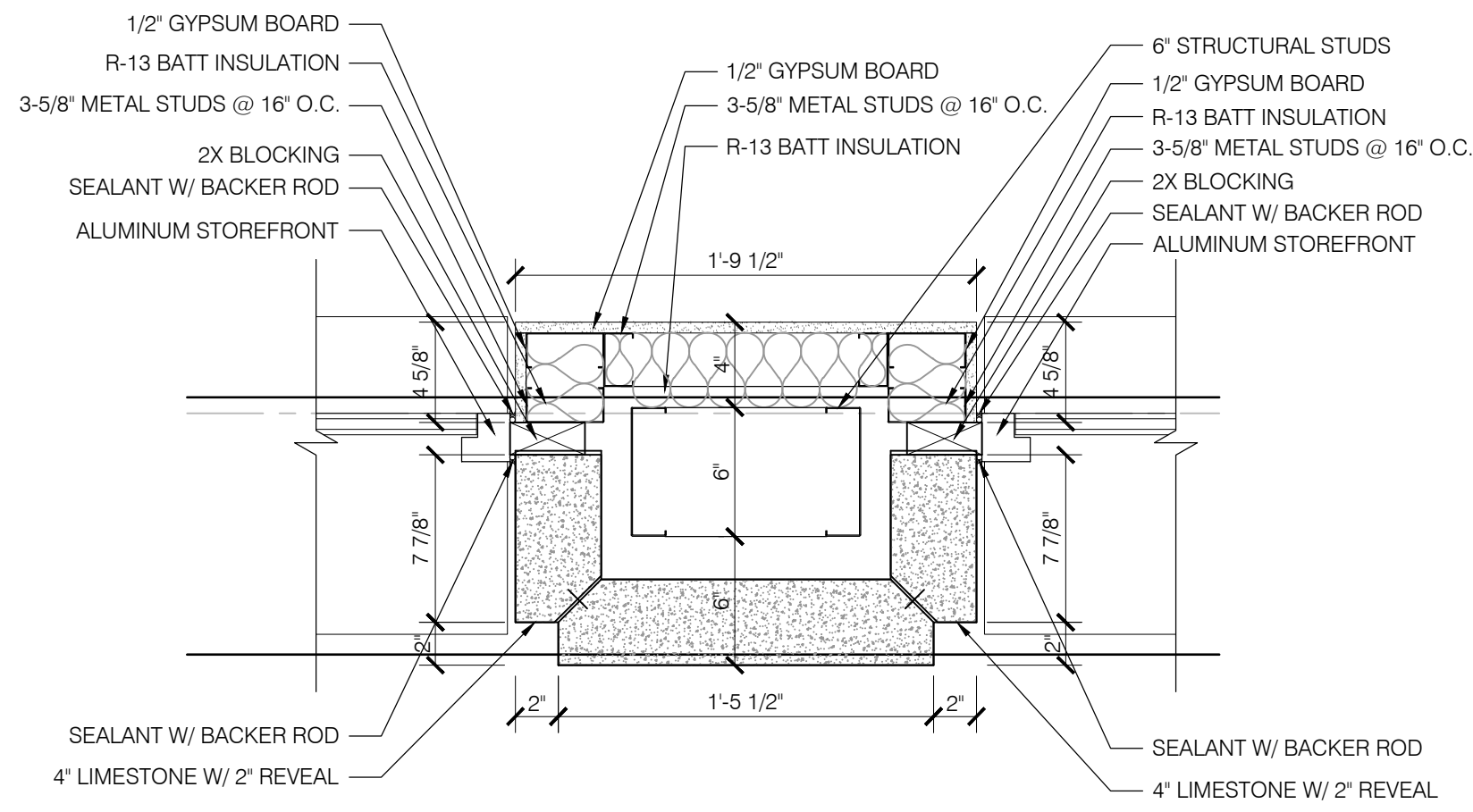
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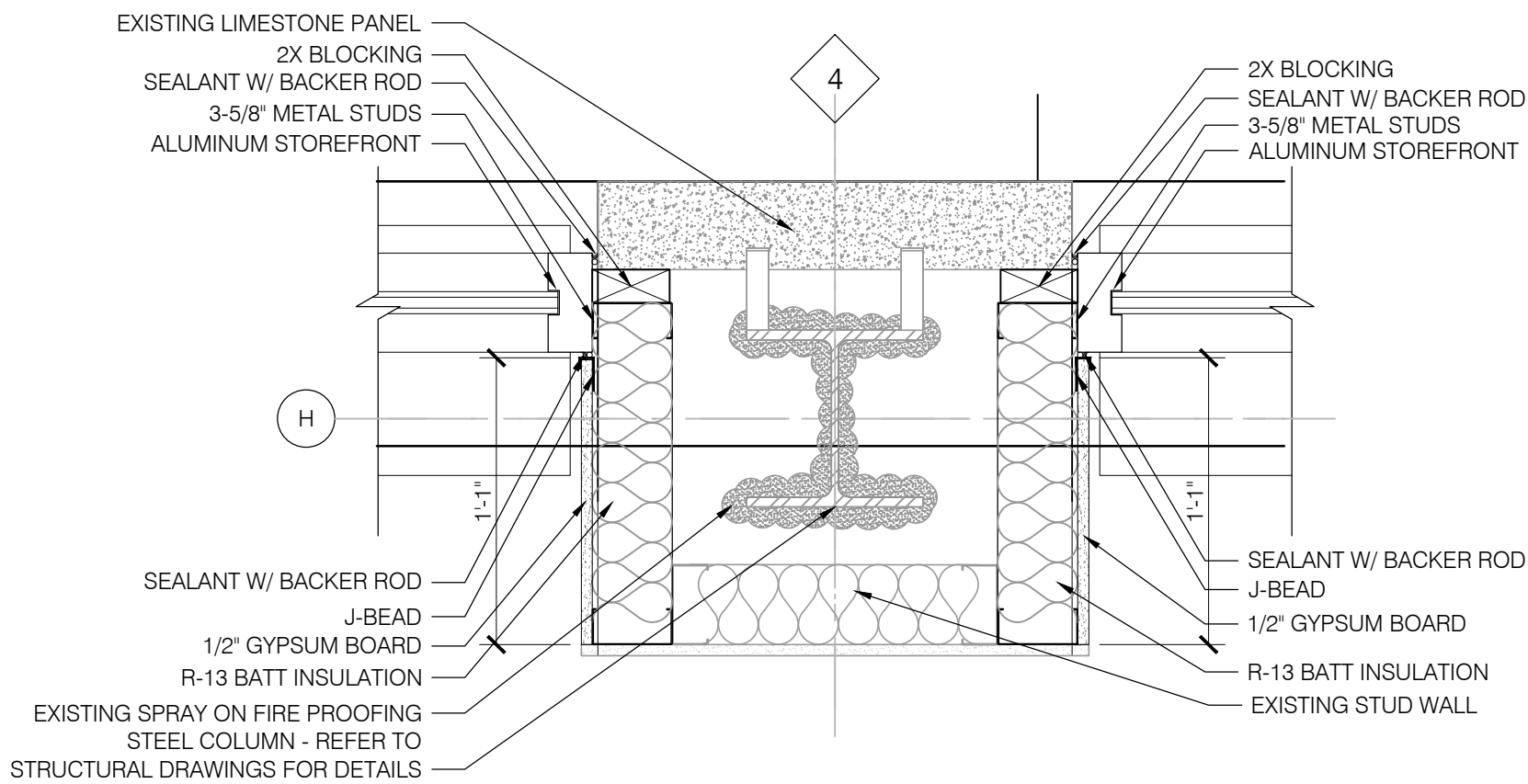
8 PARTITION MULLION DETAIL
A603 SCALE: 1-1/2"=1'-0"



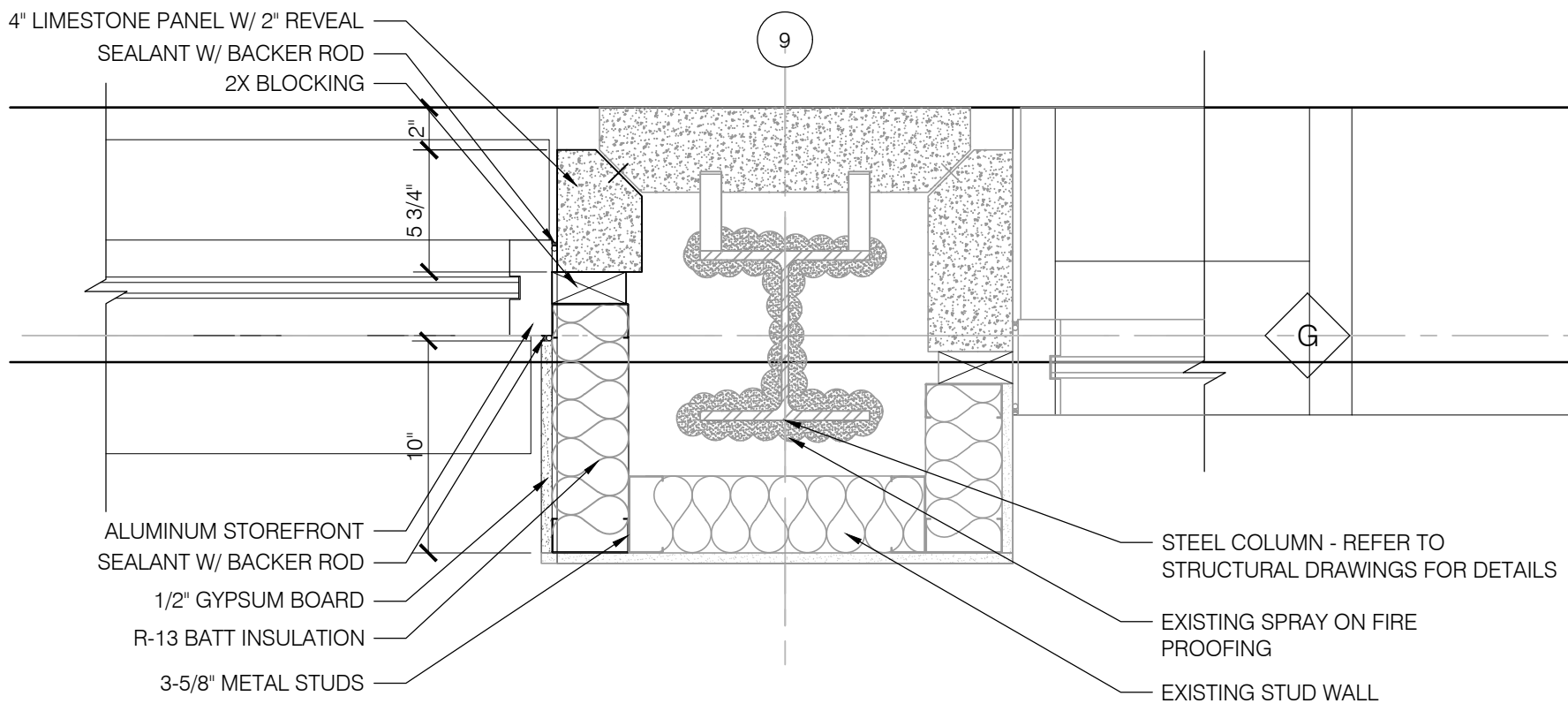
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A603 SCALE: 1-1/2"=1'-0"



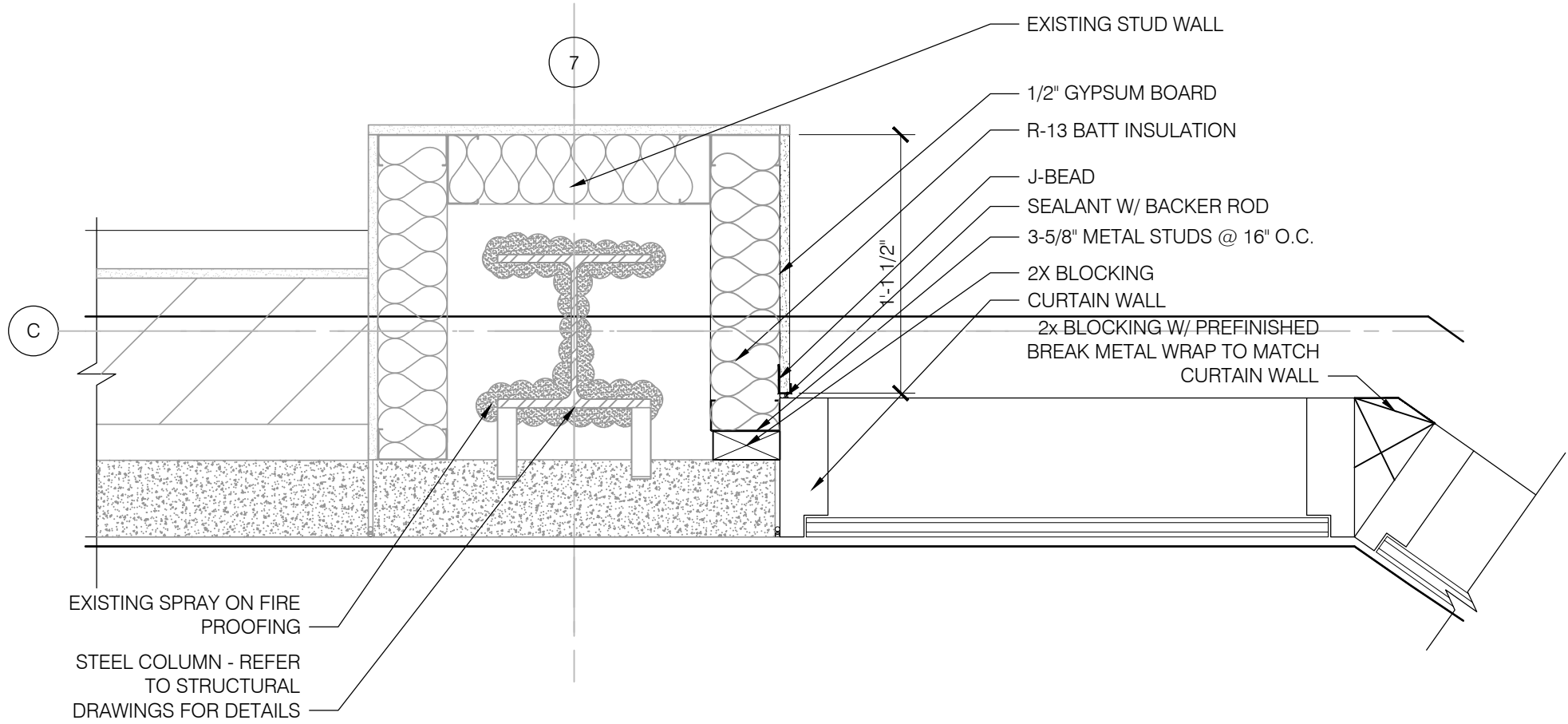
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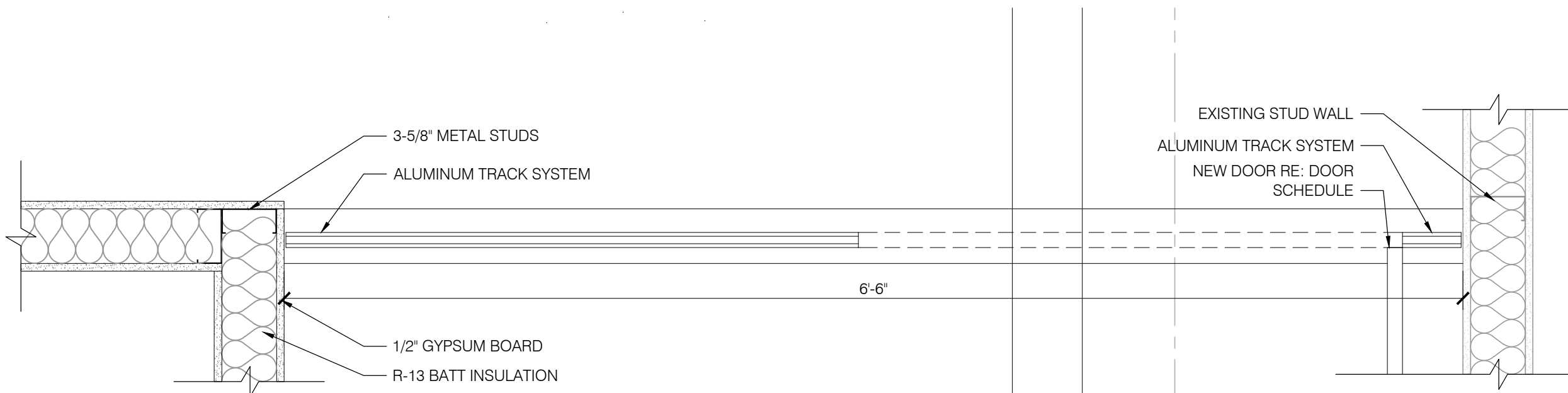
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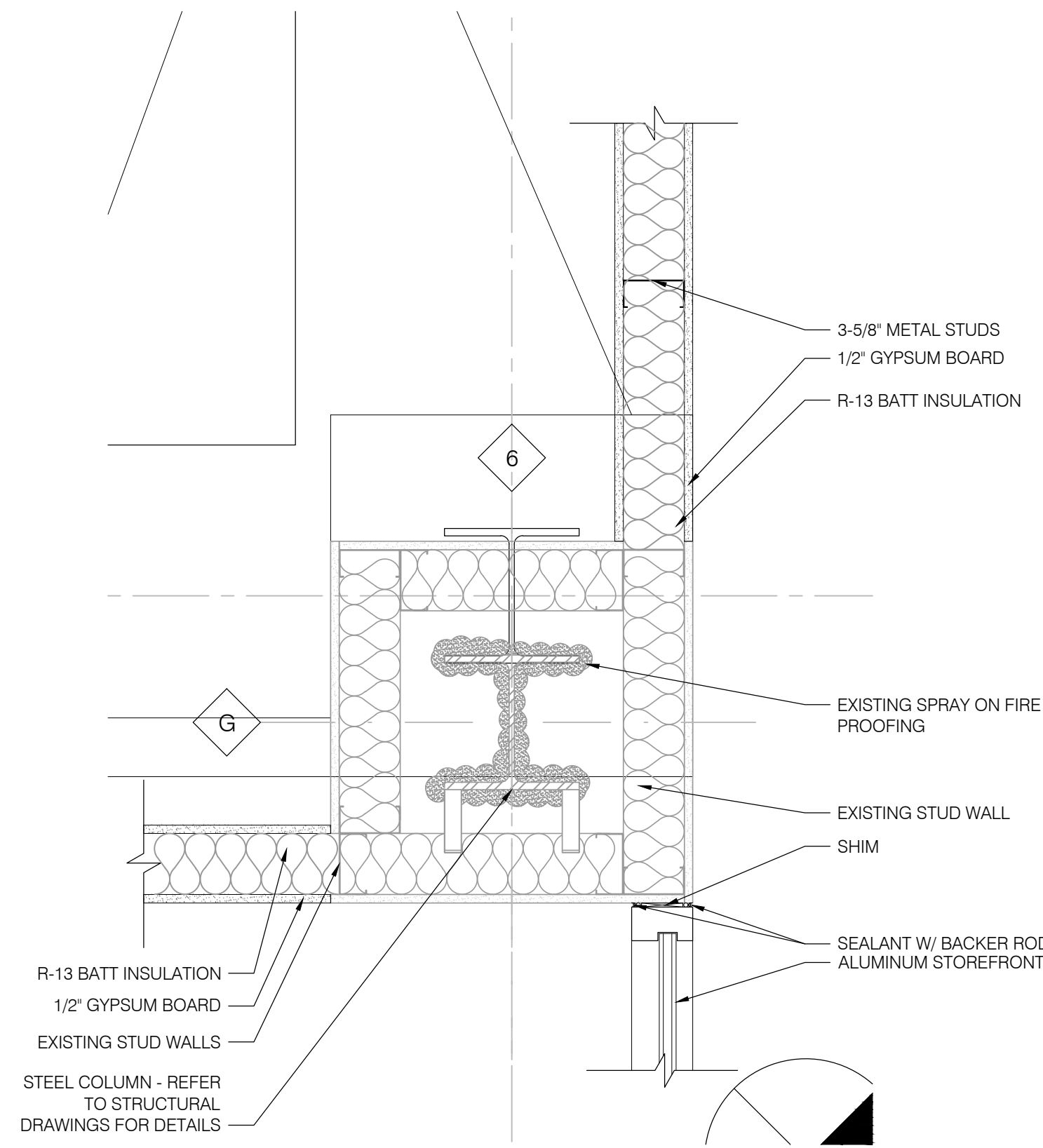
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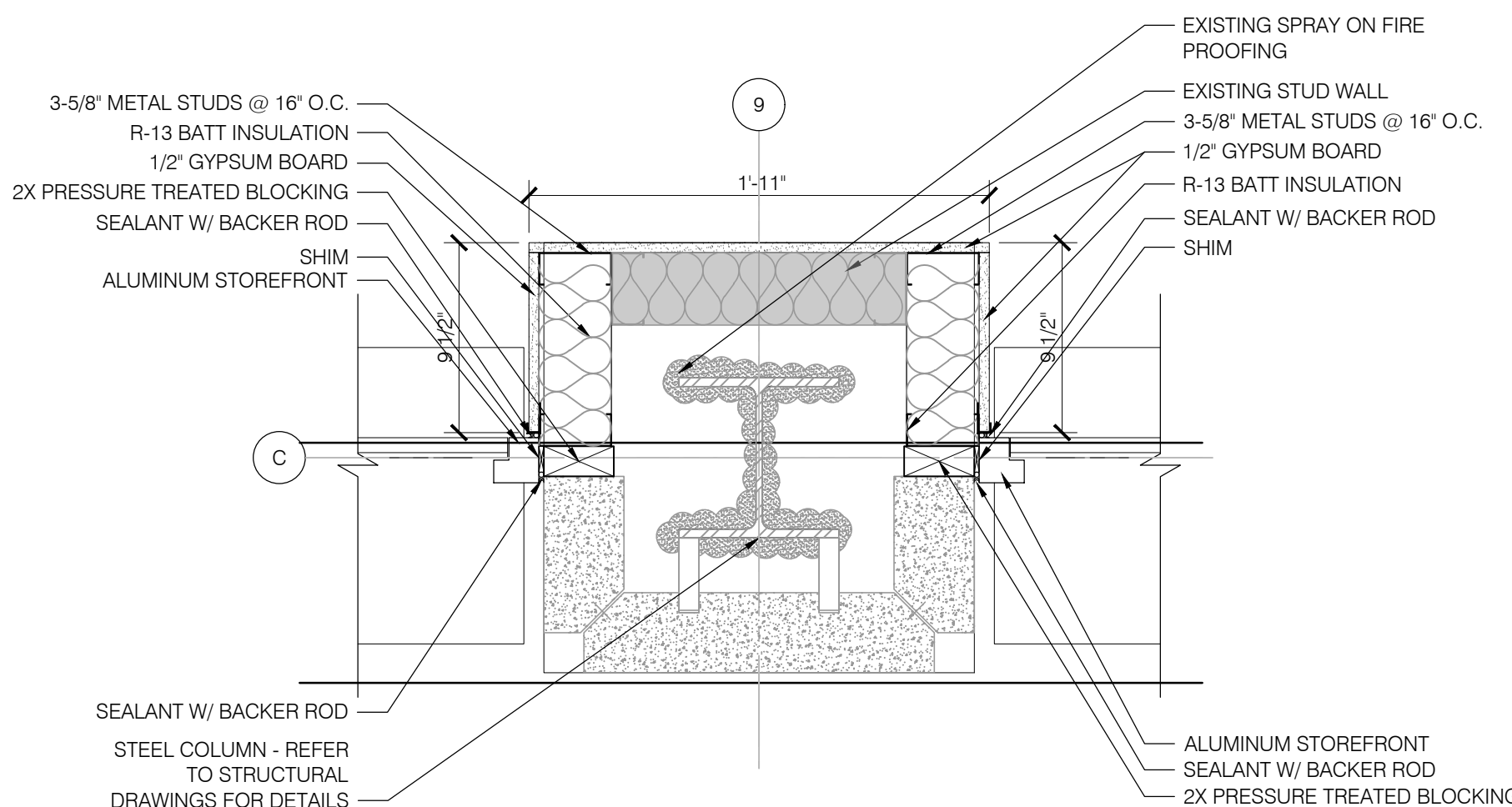
2 COLUMN DETAIL
A603 SCALE: 1-1/2"=1'-0"



9 PARTITION MULLION DETAIL
A603 SCALE: 1-1/2"=1'-0"



4 COLUMN DETAIL
A603 SCALE: 1-1/2"=1'-0"



1 COLUMN DETAIL
A603 SCALE: 1-1/2"=1'-0"



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SECOND
FLOOR PLAN
DETAILS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

A604

DOOR HARDWARE SETS

SET #1 - HARDWARE BY DOOR MANUFACTURER

- CONTINUOUS GEARED HINGE
- CONCEALED THRESHOLD BOLT EMBEDDED IN FLOOR STRIKE (ACTIVATED BY PANIC BAR)
- THRESHOLD BOLT EMBEDDED IN HEAD WITH STRIKE (ACTIVATED BY PANIC BAR)
- PANIC BAR (ELECTRONIC PANIC BAR LATCH W/ THROW BOLTS)
- PULL HANDLE
- WEATHER STRIPPING
- THRESHOLD (GROUTED SOLID)
- DOOR SWEEP
- HANDICAP ACCESS: ACTIVE LEAF ONLY DORMAKABA ED100 SA 4#6 SGL PUSH CL R03 19, BOLLARD (BEA 10BOLLARDBLK), 4.5" ROUND PUSH PLATE (BEA 10PBR451), VESTIBULE PUSH PLATE (BEA 10PBDGP1), SECURITRON FRAME MOUNTED KEYSWITCH MKAN, MORTISED CYLINDER)

SET #2 - HARDWARE BY DOOR MANUFACTURER

- CONTINUOUS GEARED HINGE
- CONCEALED THRESHOLD BOLT EMBEDDED IN FLOOR STRIKE (ACTIVATED BY PANIC BAR)
- THRESHOLD BOLT EMBEDDED IN HEAD WITH STRIKE (ACTIVATED BY PANIC BAR)
- PANIC BAR (ELECTRONIC PANIC BAR LATCH W/ THROW BOLTS)
- PULL HANDLE
- WEATHER STRIPPING
- THRESHOLD (GROUTED SOLID)
- DOOR SWEEP
- HANDICAP ACCESS: ACTIVE LEAF ONLY DORMAKABA ED100 SA 4#6 SGL PUSH CL R03 19, BOLLARD (BEA 10BOLLARDBLK), 4.5" ROUND PUSH PLATE (BEA 10PBR451), VESTIBULE PUSH PLATE (BEA 10PBDGP1), SECURITRON FRAME MOUNTED KEYSWITCH MKAN, MORTISED CYLINDER)

SET #3

- OFFICE FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN
- 1 PIVOT HINGES
- 1 BOTTOM RAIL LOCK

SET #4

- 1 CLASSROOM FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN
- 1 PIVOT HINGES
- 1 BOTTOM RAIL LOCK

SET #5

- 1 1/2 PAIR BUTT HINGES
- 1 STOREROOM FUNCTION LOCKSET
- 1 CLOSER
- 2 KICKPLATES 8" x 2" LDW
- 1 ELECTRIC STRIKE BY SECURITY VENDOR
- 1 CARD READER BY SECURITY VENDOR

SET #6

- 1 ENTRANCE FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN
- 1 PIVOT HINGES
- 1 BOTTOM RAIL LOCK

SET #7

- 1 1/2 PAIR BUTT HINGES
- 1 STOREROOM FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN
- 2 KICKPLATES 8" x 2" LDW

SET #8

- 1-1/2" PAIR BUTT HINGES
- PULL HANDLE
- PUSH PLATE
- CLOSER
- DOOR STOP

SET #9

- 1 1/2 PAIR BUTT HINGES
- 1 PRIVACY FUNCTION LOCKSET
- 2 KICKPLATES 8" x 2" LDW
- 1 CLOSER

SET #10

- 1 1/2 PAIR BUTT HINGES
- 1 STOREROOM LOCKSET
- 1 ELECTRONIC STRIKE BY SECURITY
- 1 CARD READER BY VENDOR
- 2 KICKPLATES
- 1 CLOSURE
- 1 THRESHOLD
- 1 WEATHER STRIPPING
- 1 DOOR SWEEP
- 2 KICKPLATES 8" x 2" LDW
- 1 DOOR SCOPE

SET #11

- 1 1/2 PAIR BUTT HINGES
- 1 STOREROOM FUNCTION LOCKSET
- 1 ELECTRONIC STRIKE BY SECURITY
- 1 CARD READER BY VENDOR
- 1 CLOSER W/ HOLD OPEN
- 1 PIVOT HINGES
- 2 KICKPLATES 8" x 2" LDW
- DOOR STOP

SET #12

- 1 1/2 PAIR BUTT HINGES
- 1 STOREROOM FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN

SET #13

- 1 1/2 PAIR BUTT HINGES
- 1 STOREROOM LOCKSET
- 1 ELECTRONIC STRIKE BY SECURITY
- 2 KICKPLATES
- 1 CLOSURE
- 1 THRESHOLD
- 1 WEATHER STRIPPING
- 1 DOOR SWEEP

SET #14

- 1 1/2 PAIR BUTT HINGES
- 1 STOREROOM FUNCTION LOCKSET
- 1 ELECTRONIC STRIKE BY SECURITY
- 1 CLOSER W/ HOLD OPEN
- DOOR STOP

SET #15

- 1 1/2 PAIR BUTT HINGES
- 1 PASSAGE FUNCTION LOCKSET
- CLOSER
- DOOR STOP

SET #16

- 1 1/2 PAIR BUTT HINGES
- 1 OFFICE FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN
- DOOR STOP

SET #17

- 1 1/2 PAIR BUTT HINGES
- 1 ENTRANCE FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN
- DOOR STOP

SET #18 (ACTIVE LEAF)

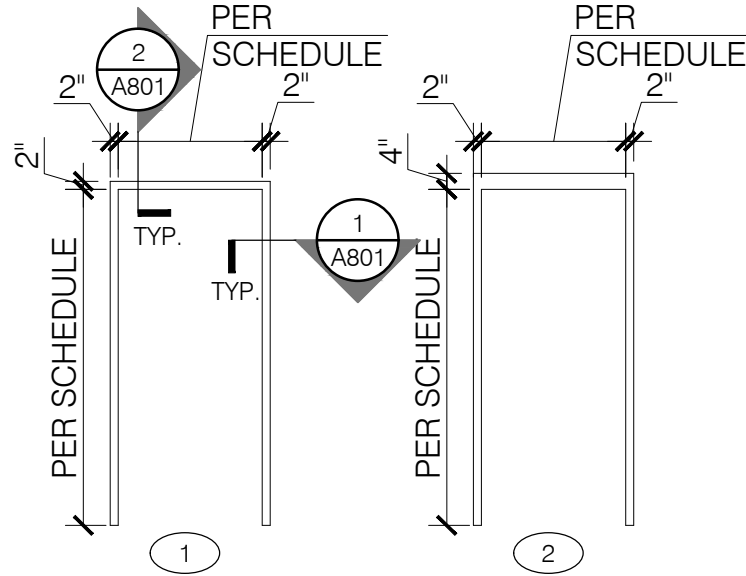
- 1 1/2 PAIR BUTT HINGES
- 1 CLASSROOM FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN
- DOOR STOP

(INACTIVE LEAF)

- 1 1/2 PAIR BUTT HINGES
- 1 CLASSROOM FUNCTION LOCKSET
- 1 CLOSER W/ HOLD OPEN
- DOOR STOP

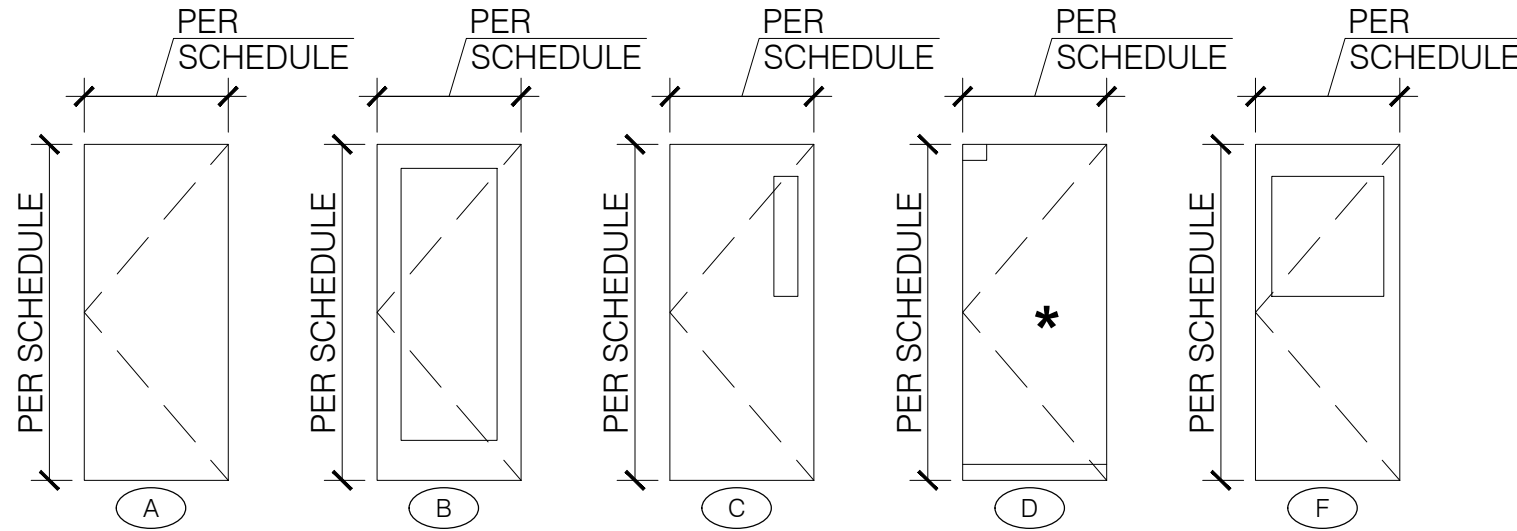
SET #19

- 1 1/2 PAIR BUTT HINGES
- 1 STOREROOM FUNCTION LOCKSET
- KNOX GATE SWITCH
- PANIC BAR



FRAME TYPES

SCALE 1/4" = 1'-0"



DOOR TYPES

SCALE 1/4" = 1'-0"

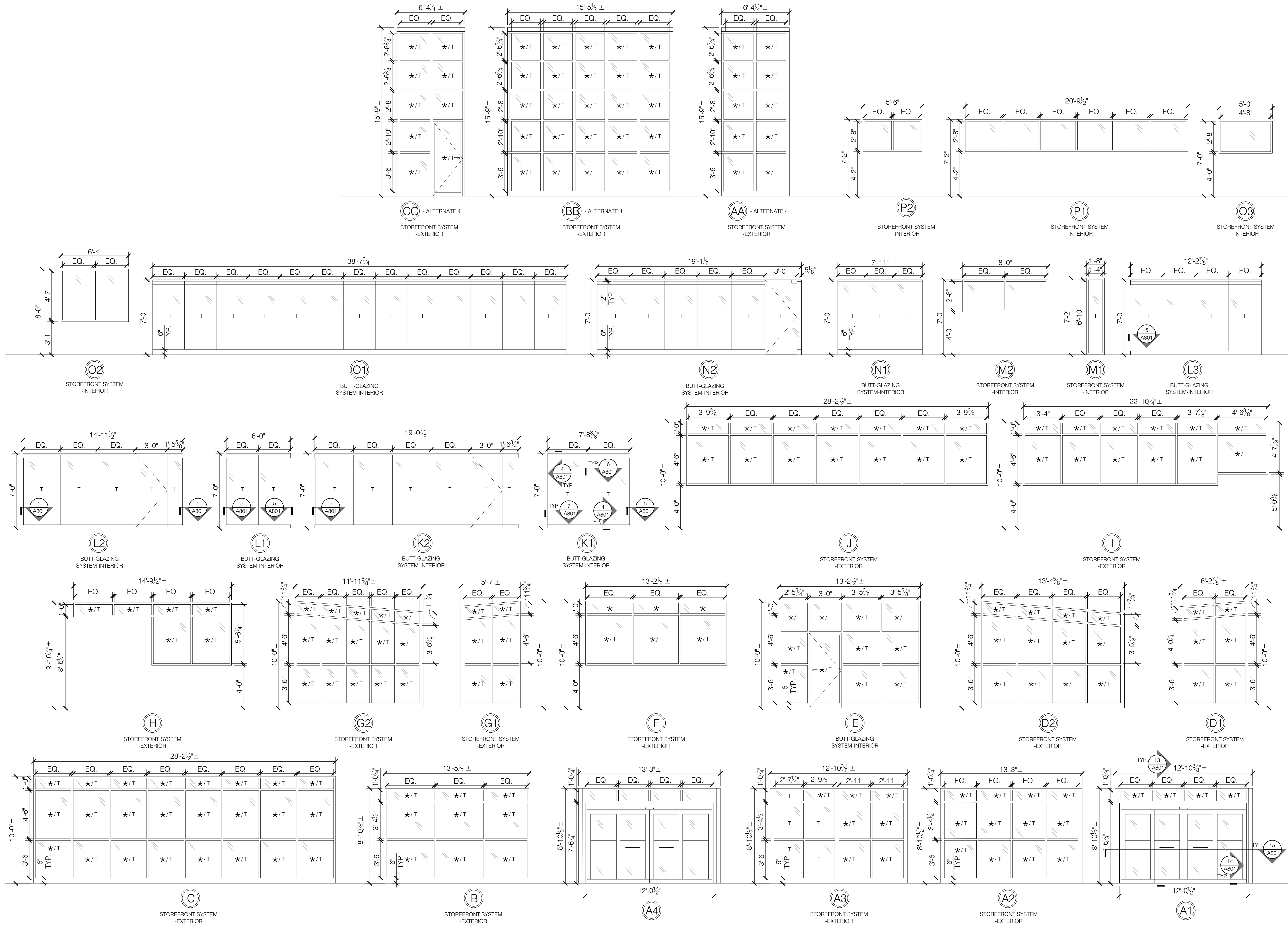
DOOR SCHEDULE

NO.	LOCATION	SIZE	DOOR			FRAME		DETAIL		HDWR.	FIRE RATING	REMARKS
			MAT.	FIN.	ELEV.	MAT.	FIN.	HEAD	JAMB			
101A	VESTIBULE	(2) 3'-0" x 7'-0"	ALUM. / GL.	-	-	ALUM.	-	-	-	-	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
101B	VESTIBULE	(2) 3'-0" x 7'-0"	ALUM. / GL.	-	-	ALUM.	-	-	-	-	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
103	STUDY ROOM	3'-0" x 7'-0"	ALUM. / GL.	-	-	ALUM.	-	-	-	6	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
104	STUDY ROOM	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	6	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
105A	COURTYARD	2'-8" x 7'-0" (EXISTING)	ALUM.	-	-	ALUM.	-	-	-	EX.	-	-
105B	COURTYARD	3'-0" x 5'-0"	-	-	-	-	-	-	-	19	-	-
106	WATER	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	7	-
107	YOUTH STACKS	3'-0" x 7'-0"	H.M.	STAIN	B	H.M.	-	-	-	12	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
109	STORAGE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	7	-
110	WOMEN'S RESTROOM	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
111	MENS RESTROOM	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
113A	STAIR	3'-0" x 7'-0"	WOOD	PAINT	C	H.M.	PAINT	1	2/A801	1/A801	15	1
113B	STAIR	3'-0" x 7'-0"	H.M.	PAINT	A	H.M.	PAINT	2	-	2	1	-
113C	STAIR	3'-0" x 7'-0"	WOOD	PAINT	C	H.M. (EX.)	PAINT	-	-	15	1	-
114	MACHINE ROOM	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	1	-
116	STORAGE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	-	7	-	-
117	IT	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	14	-
118A	MEETING	(2) 3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	18	-
118B	MEETING	3'-0" x 7'-0"	H.M.	PAINT	A	H.M.	PAINT	2	-	2	-	-
119A	TRAINING	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	12	-
119B	TRAINING	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	6	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
119C	TRAINING	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	12	-
120	SOUND	3'-0" x 7'-0" (EXISTING)	WOOD	STAIN	A	H.M.	PAINT	-	-	EX.	-	-
121	STORAGE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	7	-
122	VIDEO/ PHOTO	3'-0" x 7'-0"	WOOD	STAIN	E	H.M.	PAINT	1	2/A801	1/A801	16	-
123A	MECHANICAL	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
123B	MECHANICAL	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
124	WORKROOM	3'-0" x 7'-0"	WOOD	STAIN	E	H.M.	PAINT	1	2/A801	1/A801	17	-
125A	MAKERSPACE	3'-0" x 7'-0"	WOOD	STAIN	E	H.M.	PAINT	1	2/A801	1/A801	12	-
125B	MAKERSPACE	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	12	-
126	RESTROOM	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
127A	CORRIDOR	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	12	-
127B	CORRIDOR	3'-0" x 7'-0" (EXISTING)	H.M.	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
128	STORAGE	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
129A	GARAGE	3'-6" x 7'-0"	H.M.	PAINT	A	H.M.	PAINT	1	2/A801	1/A801	13	-
129B	GARAGE	3'-6" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
130A	STAIRS	3'-0" x 7'-0"	H.M.	PAINT	A	H.M.	PAINT	2	-	2	1	-
130B	STAIRS	3'-0" x 7'-0"	WOOD	STAIN	C	H.M. (EX.)	PAINT	-	-	15	1	-
130C	STAIRS	3'-0" x 7'-0"	WOOD	STAIN	C	H.M. (EX.)	PAINT	-	-	15	1	-
131	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	B	H.M.	PAINT	-	2/A801	1/A801	16	-
132	RESTROOM	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	9	-
133	STORAGE	3'-0" x 7'-0"	WOOD	STAIN	B	H.M.	PAINT	1	2/A801	1/A801	7	-
135	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	16	-
136	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	16	-
137A	VESTIBULE	3'-0" x 7'-0"	H.M.	PAINT	A	H.M.	PAINT	2	-	EX.	-	-
137B	VESTIBULE	4'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	11	-
138	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	B	H.M.	PAINT	1	2/A801	1/A801	16	-
139	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	B	H.M.	PAINT	1	2/A801	1/A801	16	-
202	STORAGE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	7	-
203	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	16	-
204	WORKROOM	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	12	-
205	SERVER	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	11	-	-
206	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	16	-
207A	GREENE COUNTY ROOM	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	4	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
207B	GREENE COUNTY ROOM	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	12	-
208	WORKROOM	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
209	OFFICE	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	A	H.M.	PAINT	-	-	EX.	-	-
210	BREAK	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
211	PANTRY	2'-6" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
212	UNISEX	3'-0" x 7'-0"	WOOD	STAIN	-	H.M.	PAINT	1	2/A801	1/A801	9	-
213	UNISEX	3'-0" x 7'-0"	WOOD	STAIN	-	H.M.	PAINT	1	2/A801	1/A801	9	-
214	RISE ROOM	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
215	MECH	3'-0" x 7'-0" (EXISTING)	WOOD	PAINT	-	H.M.	PAINT	-	-	EX.	-	-
217	CORRIDOR	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	15	-
218	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	16	-
219	OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	3	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
220	OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	3	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
221	OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	3	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
222	OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	3	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
223	OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	3	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
224	STORAGE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	7	-
225A	STORAGE	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	7	-
225B	STORAGE	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	7	-
226	OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	3	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
227	OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	3	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
228	CORRIDOR	3'-0" x 7'-0"	WOOD	STAIN	C	H.M.	PAINT	1	2/A801	1/A801	15	-
229A	OPEN OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	4	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
229B	OPEN OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	4	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS
230	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	16	-
231	OFFICE	3'-0" x 7'-0"	WOOD	STAIN	A	H.M.	PAINT	1	2/A801	1/A801	16	-
232	OFFICE	3'-0" x 7'-0"	ALUM. / GL.	-	D	ALUM.	-	-	-	3	-	SEE STOREFRONT ELEVATIONS FOR MORE DETAILS

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FIRST FLOOR STOREFRONT TYPES

SCALE: 1/4" = 1'-0" ★ = ALTERNATE 4: SECURITY FILM, SP = SPANDREL GLASS, T = TEMPERED

4

K

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Greene County

Public Library

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FIRST FLOOR
STOREFRONT
ELEVATIONS

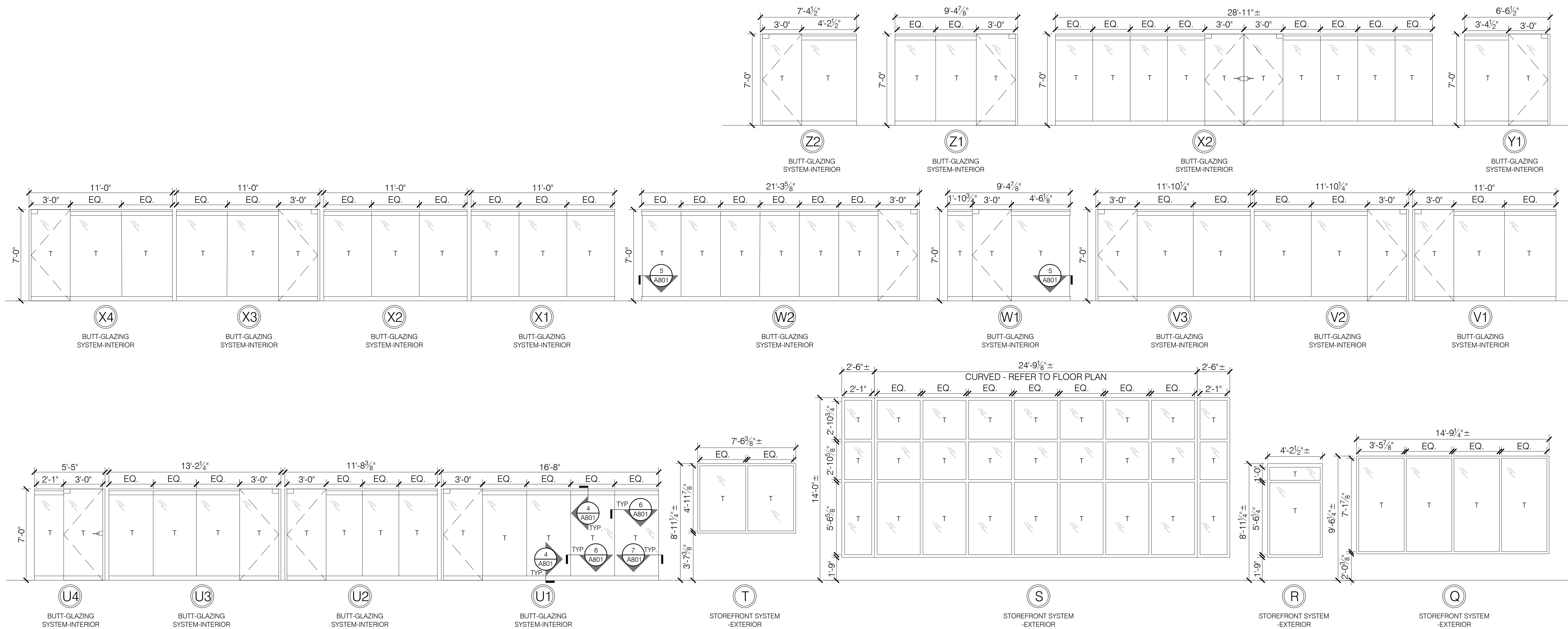
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A802

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SECOND FLOOR STOREFRONT TYPES

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

★ = ALTERNATE 4: SECURITY FILM, SP = SPANDREL GLASS, T= TEMPERED

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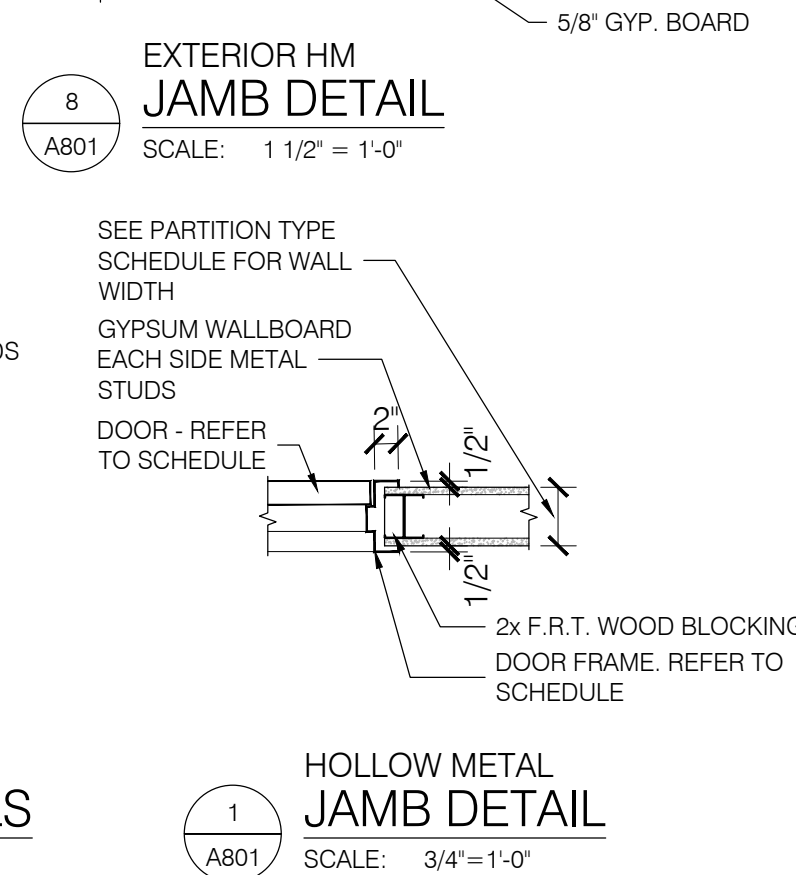
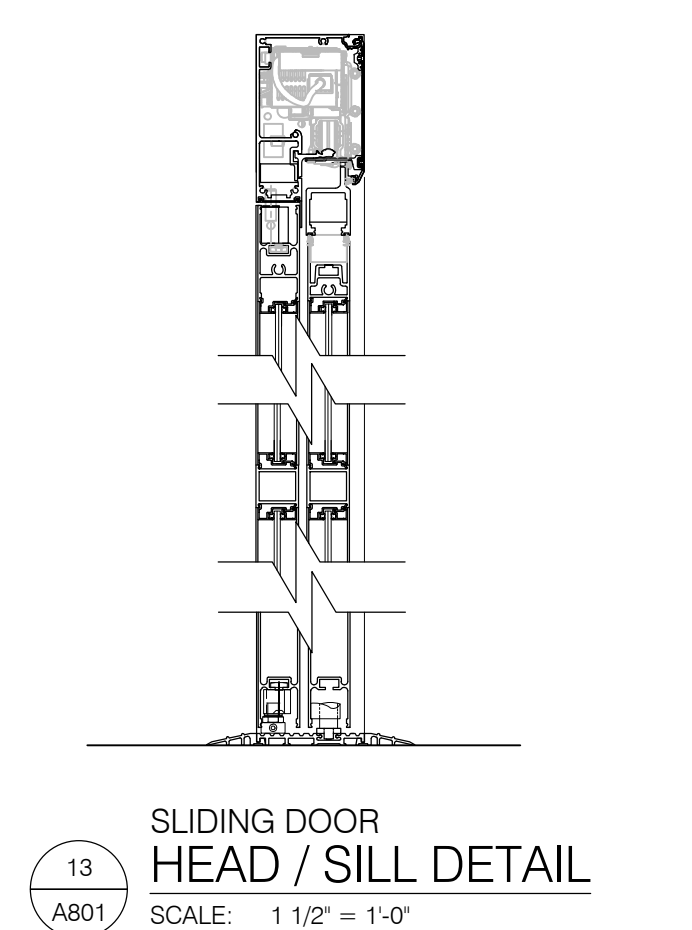
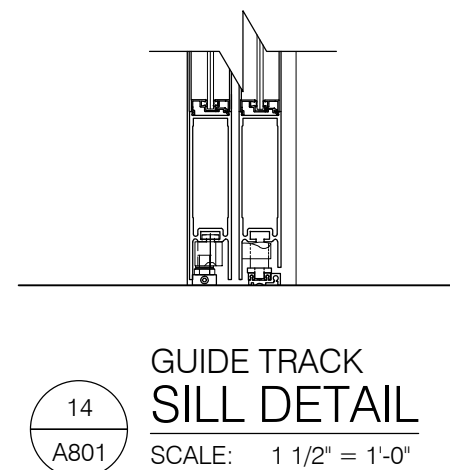
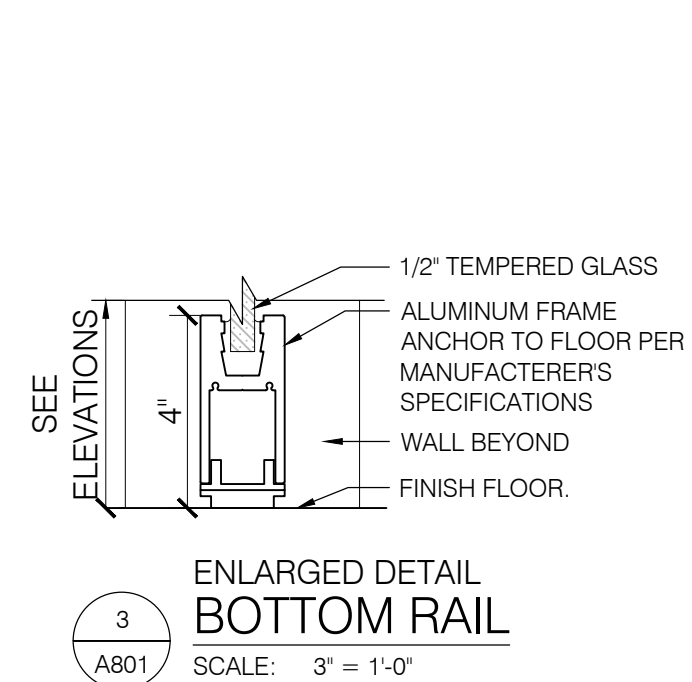
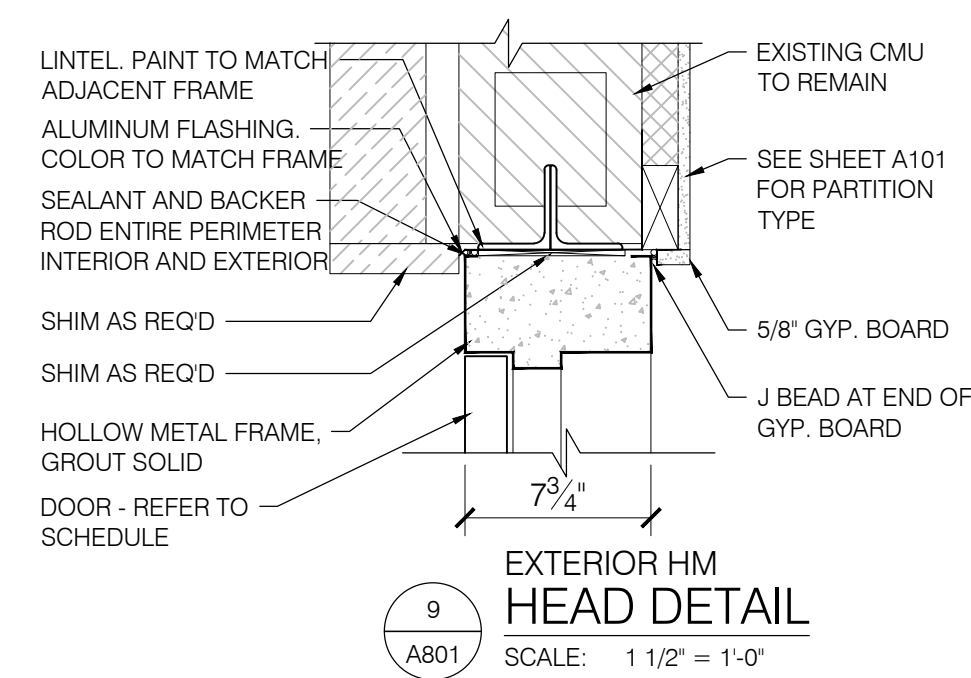
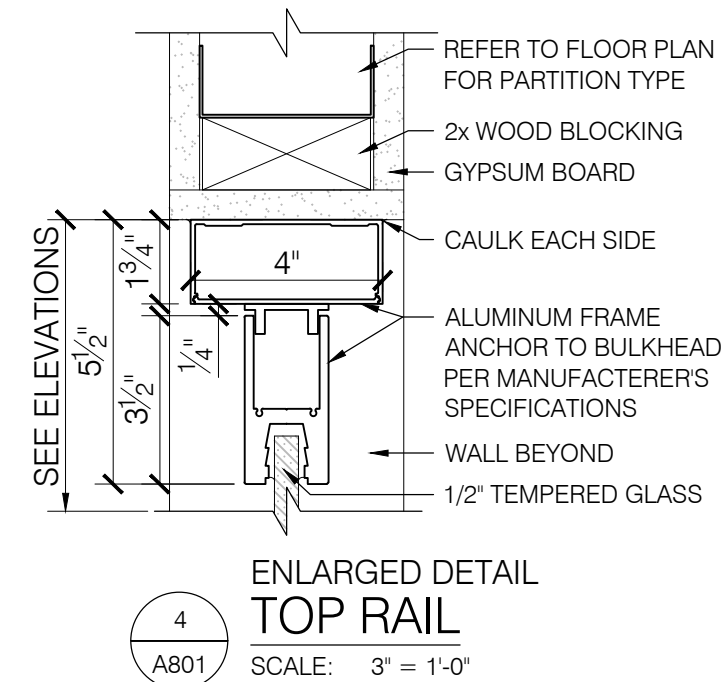
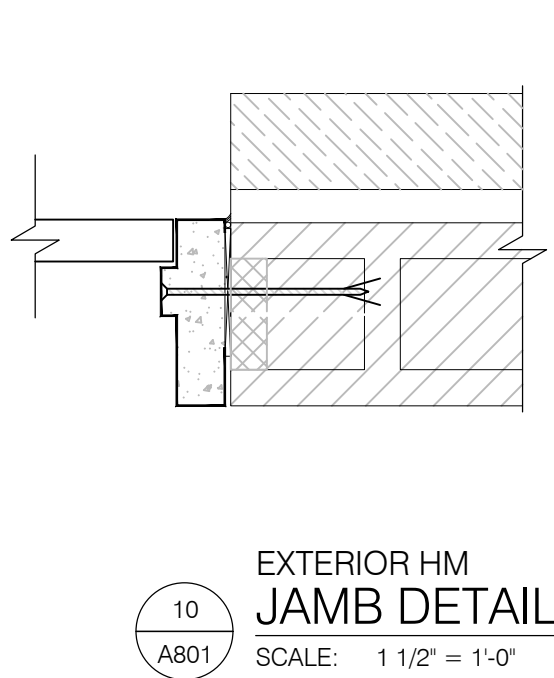
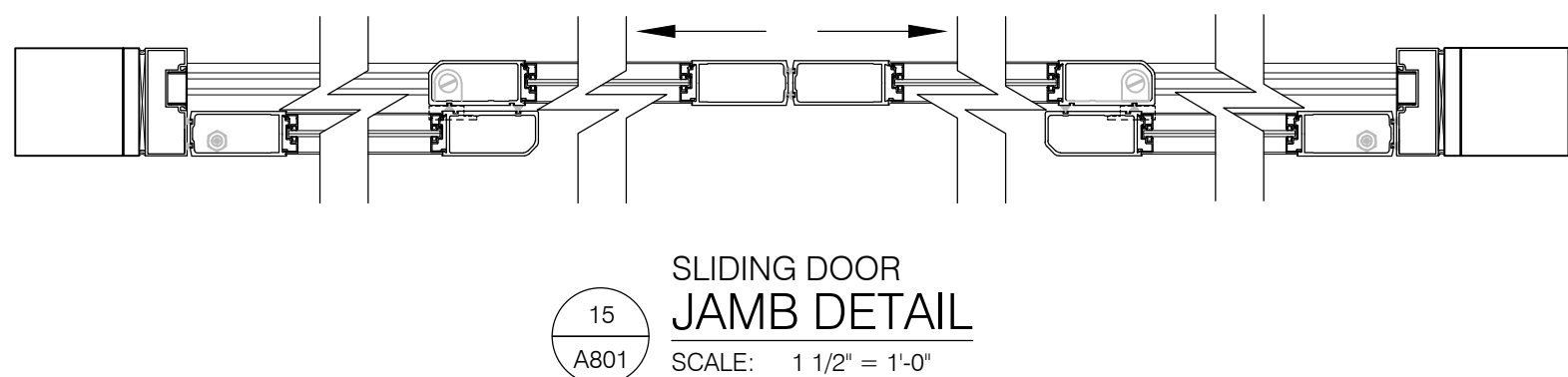
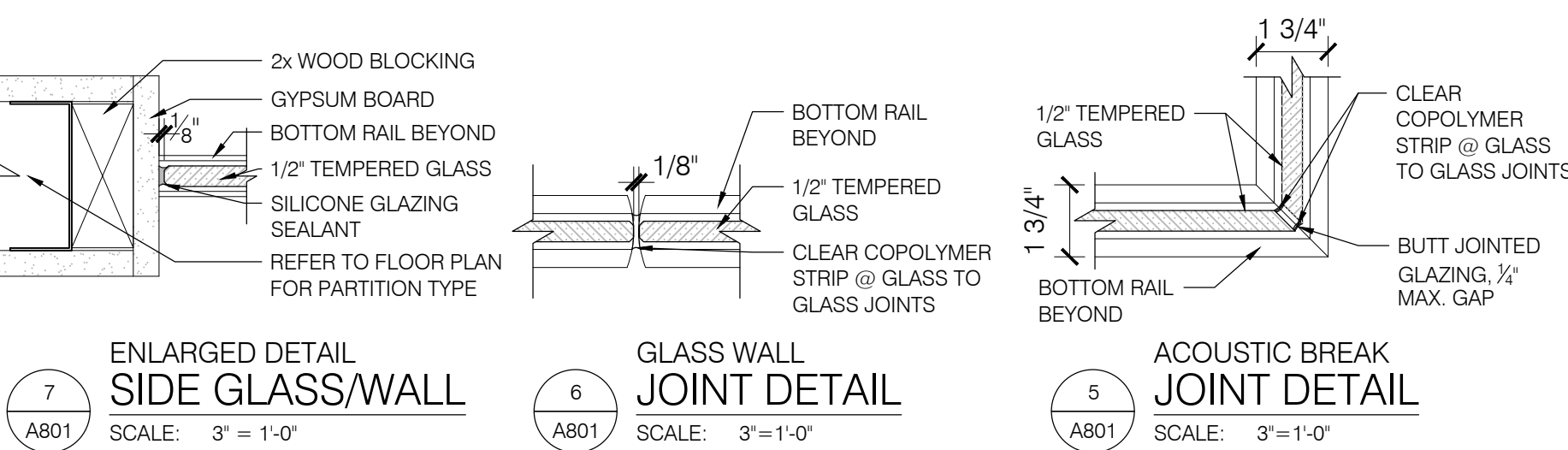
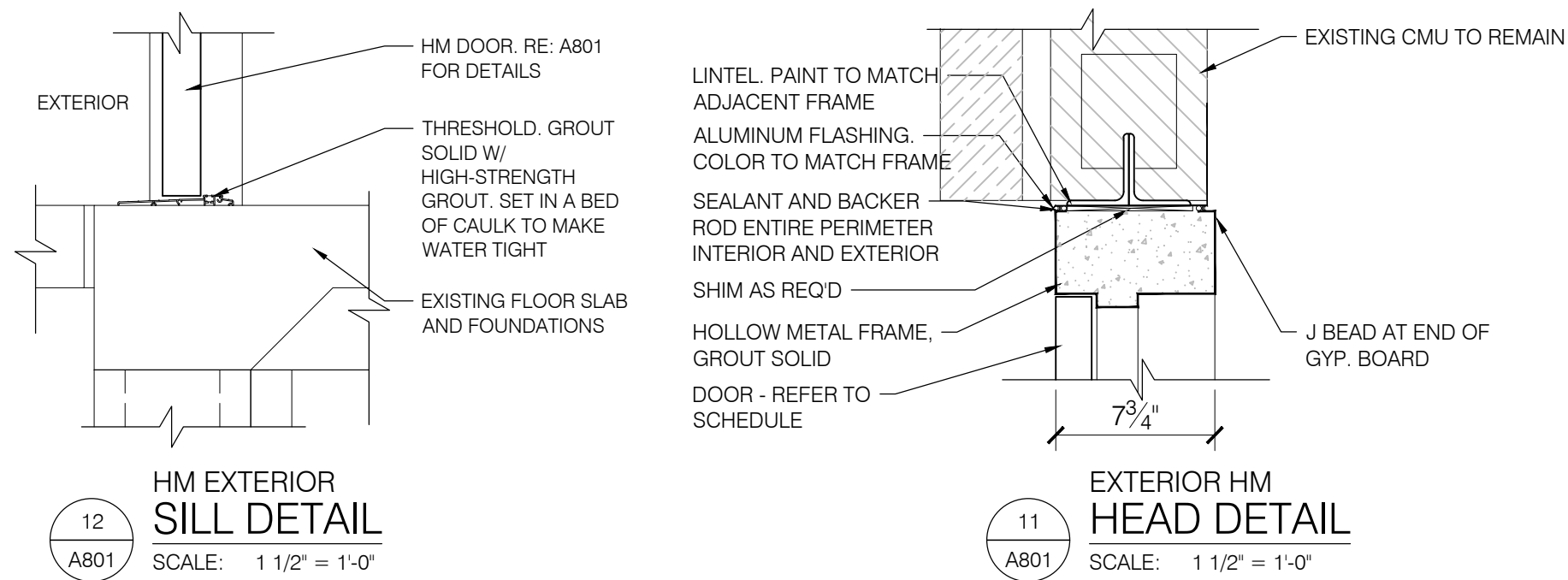
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SECOND FLOOR
STOREFRONT
ELEVATIONS

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DOOR SCHEDULE AND DETAILS	
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GENERAL FIRE PROTECTION NOTES

- A.

THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR PROVIDING DESIGN AND INSTALLATION OF THE FIRE SUPPRESSION SYSTEM SCOPE OF WORK REPRESENTED HERE, IN STRICT ACCORDANCE WITH OHIO BUILDING CODE 2017, OHIO FIRE CODE 2017, THE MOST RECENT VERSIONS OF NFPA 13, NFPA 14, AND AUTHORITY HAVING JURISDICTION.
- B.

THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE AND CONDUCT HYDRANT FLOW TESTS AT DESIGNATED FIRE HYDRANTS TO OBTAIN HYDRAULIC DATA (STATIC, FLOW, RESIDUAL STATIC) NECESSARY FOR THEM TO PERFORM CALCULATED SYSTEM DESIGN.
- C.

THESE FIRE PROTECTION DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND NOT INTENDED TO REPRESENT EXACT LOCATIONS, NOR ALL COMPONENTS. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF CONDITIONS AND DIMENSIONS, AND SHALL PROVIDE ANY ADDITIONAL FITTINGS, COMPONENTS, OFFSETS AS REQUIRED FOR A PROPER INSTALLATION THAT MEETS THE DESIGN INTENT AND MAINTAINS ALL REQUIRED CLEARANCES.
- D.

THE FIRE PROTECTION CONTRACTOR SHALL PERFORM ALL FIELD INSPECTIONS AND VERIFICATIONS, AND COORDINATE CLOSELY WITH CONTRACTORS OF OTHER
- E.

TRADES, RELATIVE TO BOTH EXISTING AND NEW ELEMENTS, TO MITIGATE ANY INTERFERENCES, BEFORE BEGINNING ANY MATERIALS ORDER OR FABRICATION OR INSTALLATION.
- F.

REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICS OF PROPOSED FLOOR PLANS, ELEVATIONS, REFLECTED CEILING PLANS AND OTHER CONSTRUCTION DETAILS; CAREFULLY COORDINATE LOCATIONS OF PIPING, DEVICES AND SPRINKLER HEADS WITH ARCHITECTURAL FEATURES, CEILING LAYOUT, LIGHTING.
- G.

THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE COMPLETE SPRINKLER SYSTEM DESIGN SHOP DRAWINGS, AS WELL AS COMPONENT MANUFACTURER SUBMITTALS, WHICH DISPLAY ALL PROPOSED PIPING, SPRINKLER HEAD LOCATIONS, SYSTEM COMPONENTS, FOR REVIEW TO THE ARCHITECT. NO ORDER, FABRICATION OR INSTALLATION SHALL BEGIN BEFORE APPROVAL BY THE ARCHITECT.
- H.

ANY CONFLICTING DIRECTIVES OR INFORMATION FOUND ON DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, AND THE FIRE PROTECTION CONTRACTOR SHALL NOT PROCEED WITH ANY FABRICATION OR OTHER WORK BEFORE CLARIFICATION IS PROVIDED BY THE ARCHITECT.
- I.

THE CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION, COVERS, BARRIERS, TO PROTECT THE EXISTING BUILDING AND CONTENTS THROUGHOUT THE DEMOLITION AND INSTALLATION PROCESS; AND IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF BUILDING
- J.

PIPING INDICATED TO BE REMOVED SHALL BE REMOVED ALL THE WAY BACK TO ACTIVE MAIN PIPING AND CAPPED, OR REMOVED BACK TO THE POINTS WHERE CONNECTION WILL BE MADE TO NEW WORK.
- K.

THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF ALL PIPING, AND SHALL PROVIDE AUXILIARY DRAINS WHEN A CHANGE IN DIRECTION OF PIPING DOES NOT ALLOW FOR THIS DRAINAGE, WITH ALL DRAINS DISCHARGING AND PIPE TO DESIGNATED AREAS COORDINATED, IN ADVANCE, WITH THE ARCHITECT.
- L.

ALL FIRE SUPPRESSION SYSTEM PIPING SHALL BE ABOVE CEILINGS AND AS HIGH AS POSSIBLE IN AREAS WITHOUT CEILINGS.
- M.

THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE AND MAKE ALL REASONABLE MODIFICATIONS TO PIPE ROUTING, SPRINKLER HEAD DROPS AND SPRINKLER HEAD LOCATIONS, WHERE NECESSARY TO PREVENT CONFLICTS WITH WORK OF OTHER TRADES.
- N.

THE FIRE PROTECTION CONTRACTOR SHALL MAINTAIN, ON THE JOB SITE, A COPY OF THE APPROVED SYSTEM DESIGN SHOP DRAWINGS, WHICH SHALL BE NEATLY RED-LINED TO CAPTURE ALL FIELD CHANGES MADE DURING INSTALLATION, FOR THEIR USE IN GENERATING "AS BUILT" RECORD DOCUMENTS.
- ELEMENTS OR FINISHES REMOVED OR DAMAGED DURING PERFORMANCE OF THE SCOPE OF WORK.

FIRE PROTECTION LEGEND

- AC

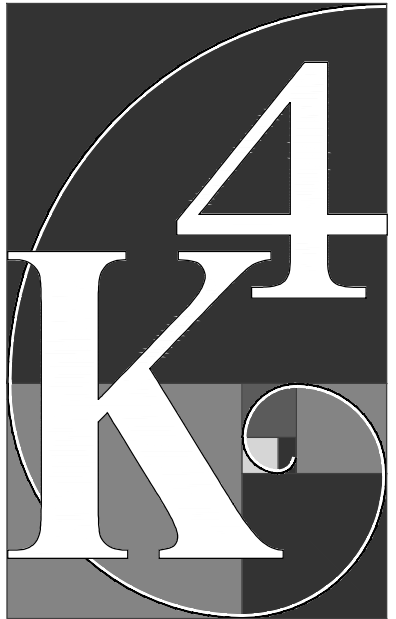
AIR COMPRESSOR
- FDC

FIRE DEPARTMENT CONNECTION
- FS

FLOW SWITCH
- HC

HOSE CONNECTION
- TS

TAMPER SWITCH



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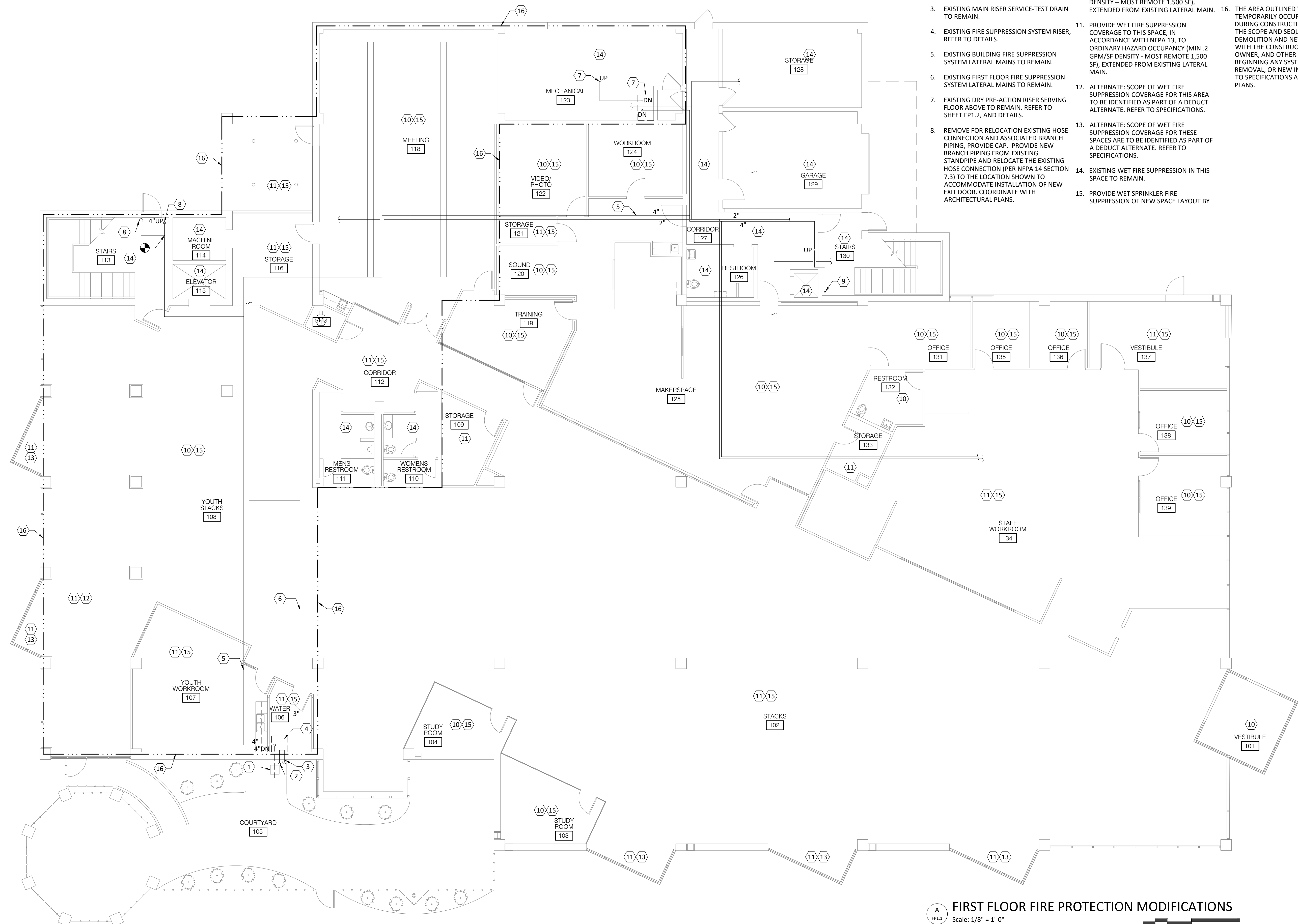
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FIRE PROTECTION
NOTES AND
LEGENDS

Drawn By: TK, BBJ, MW
Scale: AS NOTED
Job No.: 22-2038

FP0.0



NOTES

- EXISTING WATER SERVICE, AND ASSOCIATED VAULT, SERVING THE FIRE SUPPRESSION SYSTEM FOR THE BUILDING, TO REMAIN.
- EXISTING WALL-MOUNTED FIRE DEPARTMENT CONNECTION TO REMAIN.
- EXISTING MAIN RISER SERVICE-TEST DRAIN TO REMAIN.
- EXISTING FIRE SUPPRESSION SYSTEM RISER, REFER TO DETAILS.
- EXISTING BUILDING FIRE SUPPRESSION SYSTEM LATERAL MAINS TO REMAIN.
- EXISTING FIRST FLOOR FIRE SUPPRESSION SYSTEM LATERAL MAINS TO REMAIN.
- EXISTING DRY PRE-ACTION RISER SERVING FLOOR ABOVE TO REMAIN. REFER TO SHEET FP1.2, AND DETAILS.
- REMOVE FOR RELOCATION EXISTING HOSE CONNECTION AND ASSOCIATED BRANCH PIPING, PROVIDE CAP. PROVIDE NEW BRANCH PIPING FROM EXISTING STANDPIPE AND RELOCATE THE EXISTING HOSE CONNECTION (PER NFPA 14 SECTION 7.3) TO THE LOCATION SHOWN TO ACCOMMODATE INSTALLATION OF NEW EXIT DOOR. COORDINATE WITH ARCHITECTURAL PLANS.
- EXISTING STANDPIPE AND HOSE CONNECTION TO REMAIN.
- PROVIDE WET FIRE SUPPRESSION COVERAGE TO THIS SPACE, IN ACCORDANCE WITH NFPA 13, TO LIGHT HAZARD OCCUPANCY (MIN. .15 GPM/SF DENSITY - MOST REMOTE 1,500 SF), EXTENDED FROM EXISTING LATERAL MAIN.
- PROVIDE WET FIRE SUPPRESSION COVERAGE TO THIS SPACE, IN ACCORDANCE WITH NFPA 13, TO ORDINARY HAZARD OCCUPANCY (MIN. .2 GPM/SF DENSITY - MOST REMOTE 1,500 SF), EXTENDED FROM EXISTING LATERAL MAIN.
- ALTERNATE: SCOPE OF WET FIRE SUPPRESSION COVERAGE FOR THIS AREA TO BE IDENTIFIED AS PART OF A DEDUCT ALTERNATE. REFER TO SPECIFICATIONS.
- ALTERNATE: SCOPE OF WET FIRE SUPPRESSION COVERAGE FOR THESE SPACES ARE TO BE IDENTIFIED AS PART OF A DEDUCT ALTERNATE. REFER TO SPECIFICATIONS.
- EXISTING WET FIRE SUPPRESSION IN THIS SPACE TO REMAIN.
- PROVIDE WET SPRINKLER FIRE SUPPRESSION OF NEW SPACE LAYOUT BY

RECONFIGURATION OF EXISTING LATERAL MAIN AND BRANCH MAIN PIPING; REPLACING ALL HEADS WITH NEW; PROVIDE DEMOLITION OF ALL BRANCH PIPING, SUPPORTS, HEADS NO LONGER NEEDED FOR RECONFIGURATION FOR NEW SPACES; REMOVE FREE FROM SITE.

16. THE AREA OUTLINED WILL BE TEMPORARILY OCCUPIED BY THE OWNER DURING CONSTRUCTION. COORDINATE THE SCOPE AND SEQUENCE OF DEMOLITION AND NEW WORK CLOSELY WITH THE CONSTRUCTION MANAGER, OWNER, AND OTHER TRADES, BEFORE BEGINNING ANY SYSTEM OUTAGE, REMOVAL, OR NEW INSTALLATION. REFER TO SPECIFICATIONS AND ARCHITECTURAL PLANS.

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FIRST FLOOR
FIRE PROTECTION
MODIFICATIONS

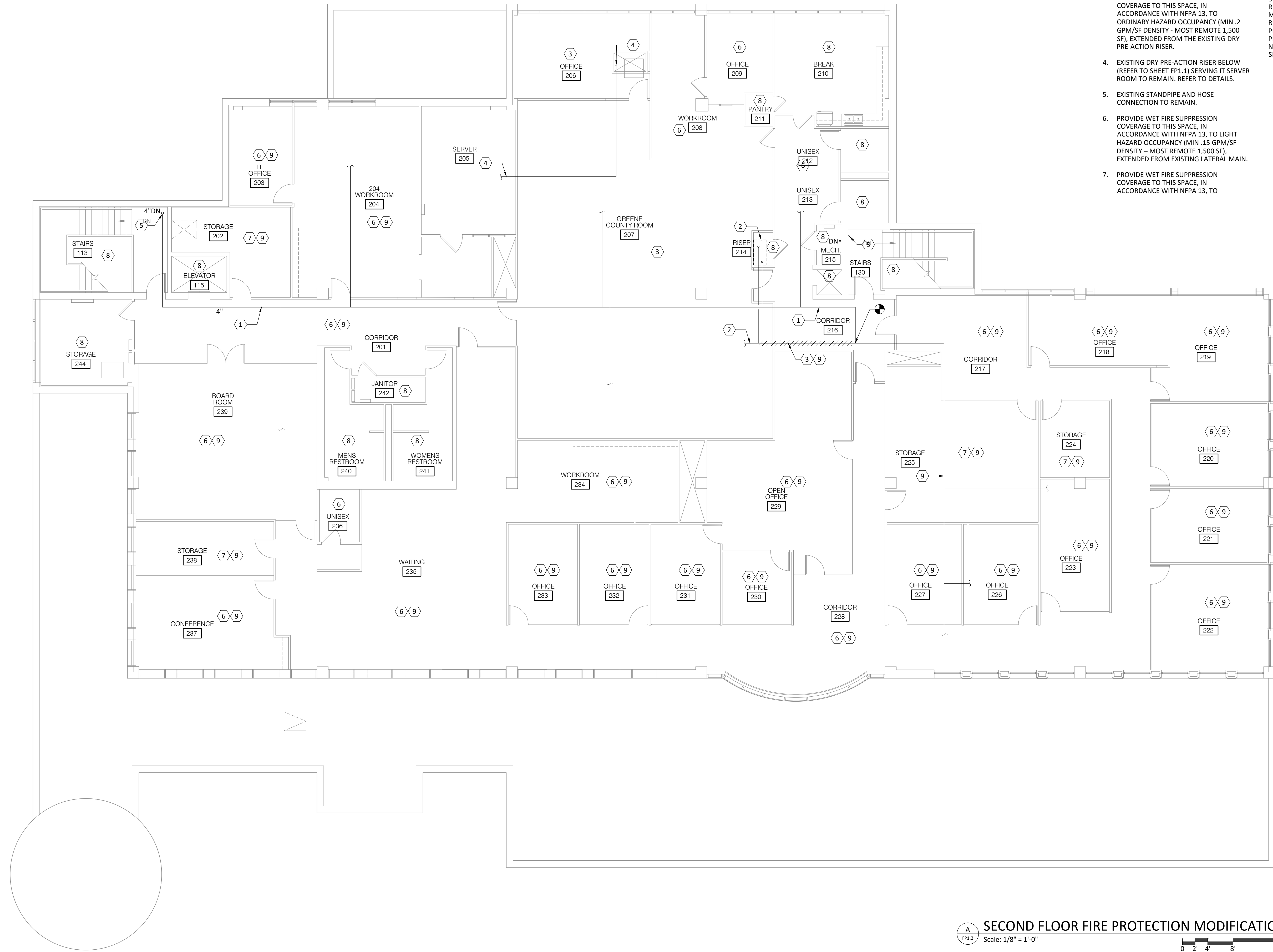
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FP1.1

FIRST FLOOR FIRE PROTECTION MODIFICATIONS

Scale: 1/8" = 1'-0"

NOTE: REFER TO FIRE PROTECTION TITLE SHEET FP0.0 FOR FIRE PROTECTION LEGEND AND GENERAL NOTES FOR THIS SHEET.



- # NOTES
- EXISTING BUILDING FIRE SUPPRESSION SYSTEM LATERAL MAINS TO REMAIN.
 - EXISTING DRY PRE-ACTION RISER SERVING GREENE COUNTY ROOM TO REMAIN. MODIFY PIPING TO SERVE THE GREENE COUNTY ROOM IN ITS NEW LOCATION 207, AND OFFICE 206. REFER TO DETAILS.
 - PROVIDE WET FIRE SUPPRESSION COVERAGE TO THIS SPACE, IN ACCORDANCE WITH NFPA 13, TO ORDINARY HAZARD OCCUPANCY (MIN. .2 GPM/SF DENSITY - MOST REMOTE 1,500 SF), EXTENDED FROM THE EXISTING DRY PRE-ACTION RISER.
 - EXISTING DRY PRE-ACTION RISER BELOW (REFER TO SHEET FP1.1) SERVING IT SERVER ROOM TO REMAIN. REFER TO DETAILS.
 - EXISTING STANDPIPE AND HOSE CONNECTION TO REMAIN.
 - PROVIDE WET FIRE SUPPRESSION COVERAGE TO THIS SPACE, IN ACCORDANCE WITH NFPA 13, TO LIGHT HAZARD OCCUPANCY (MIN. .15 GPM/SF DENSITY - MOST REMOTE 1,500 SF), EXTENDED FROM EXISTING LATERAL MAIN.
 - PROVIDE WET FIRE SUPPRESSION COVERAGE TO THIS SPACE, IN ACCORDANCE WITH NFPA 13, TO
 - ORDINARY HAZARD OCCUPANCY (MIN. .2 GPM/SF DENSITY - MOST REMOTE 1,500 SF), EXTENDED FROM EXISTING LATERAL MAIN.
 - EXISTING WET FIRE SUPPRESSION IN THIS SPACE TO REMAIN.
 - PROVIDE WET SPRINKLER FIRE SUPPRESSION OF NEW SPACE LAYOUT BY RECONFIGURATION OF EXISTING LATERAL MAIN AND BRANCH MAIN PIPING; REPLACING ALL HEADS WITH NEW. PROVIDE DEMOLITION OF ALL BRANCH PIPING, SUPPORTS, HEADS NO LONGER NEEDED FOR RECONFIGURATION FOR NEW SPACES; REMOVE FREE FROM SITE.

SECOND FLOOR FIRE PROTECTION MODIFICATIONS
Scale: 1/8" = 1'-0"

NOTE: REFER TO FIRE PROTECTION TITLE SHEET FP0.0 FOR FIRE PROTECTION LEGEND AND GENERAL NOTES FOR THIS SHEET.

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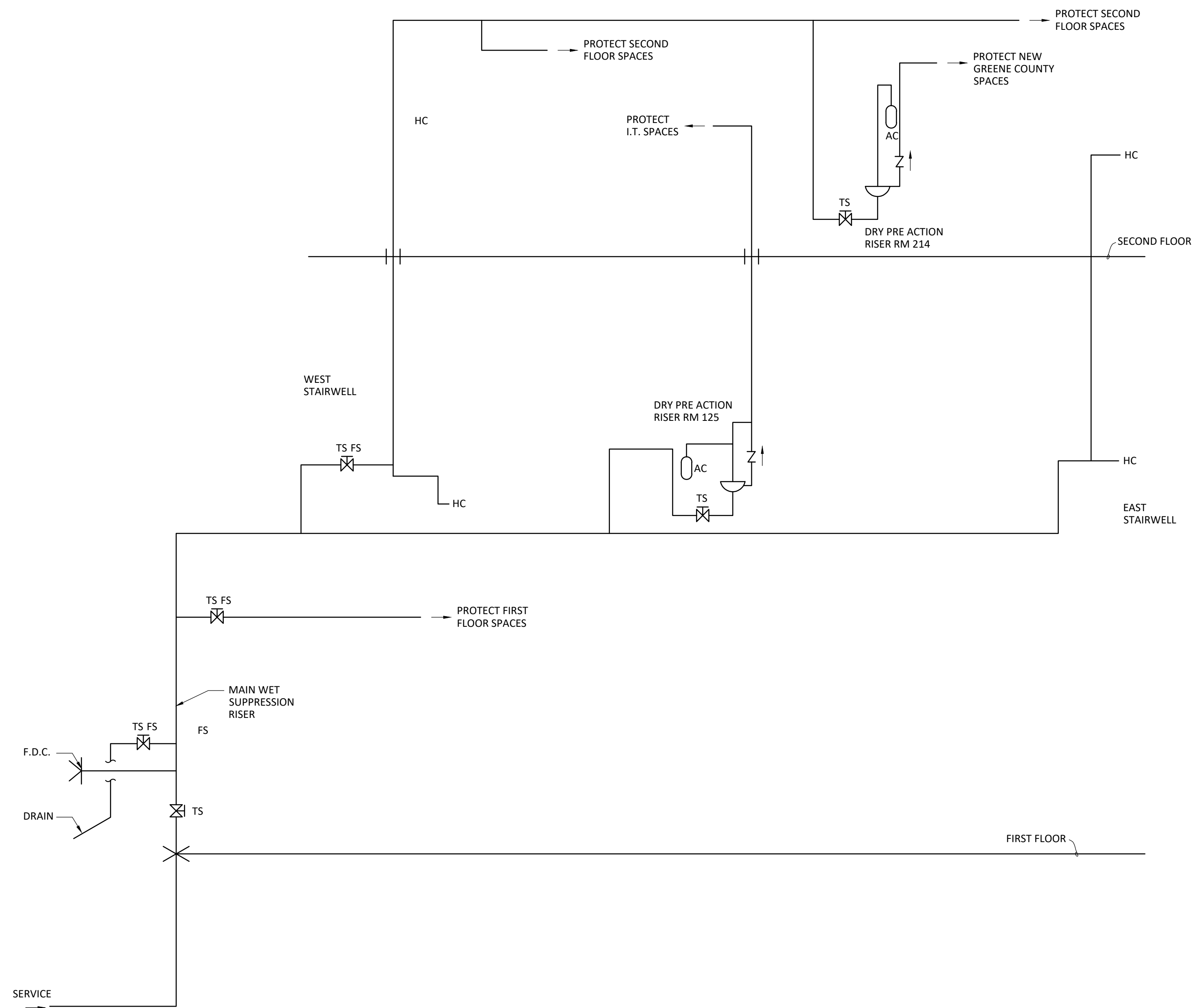
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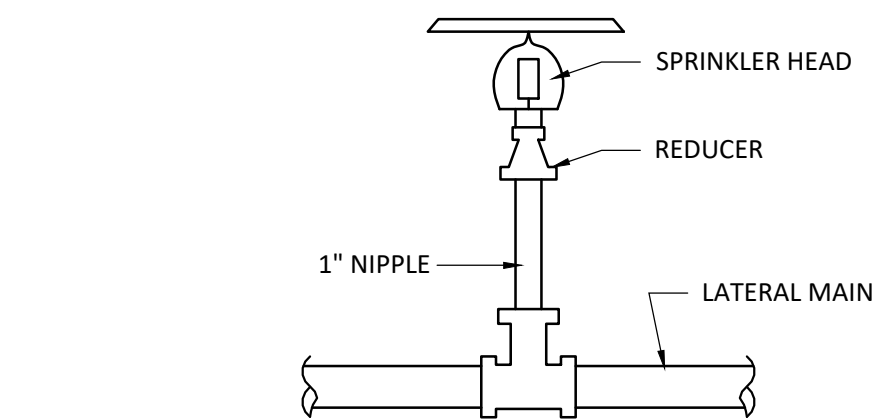
SECOND FLOOR FIRE PROTECTION MODIFICATIONS	
Drawn By:	TK, BBJ, MW
Scale:	AS NOTED
Job No.:	22-2038

FP1.2



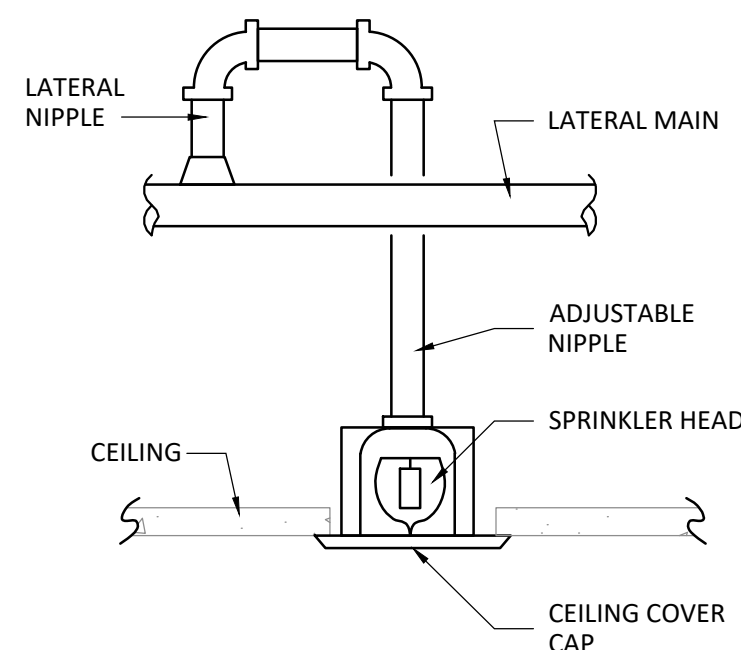
1
FP2.1
NO SCALE

DETAIL - FIRE SUPPRESSION SYSTEM SCHEMATIC DIAGRAM



2
FP2.1
NO SCALE

DETAIL - TYPICAL UPRIGHT HEAD INSTALLATION



3
FP2.1
NO SCALE

DETAIL - CONCEALED HEAD INSTALLATION



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FP2.1

PLUMBING GENERAL NOTES

- A. DRAWINGS REPRESENTING THE PLUMBING SCOPE OF WORK ARE DIAGRAMMATIC IN NATURE AND, THEREFORE, NOT INTENDED TO BE SCALED, BUT TO EXPRESS GENERAL SCOPE AND ARRANGEMENT ONLY. EXISTING CONDITIONS SHOWN HERE ARE BASED UPON REVIEW OF EXISTING DRAWINGS AND INSPECTIONS AT THE SITE, AND INFORMATION REPORTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS, QUANTITIES, AND DIMENSIONS. THESE DRAWINGS ARE NOT INTENDED TO SHOW EVERY FITTING, OFFSET, DEVICE OR COMPONENT. THE CONTRACTOR SHALL PROVIDE SUCH ADDITIONAL FITTINGS, OFFSETS, COMPONENTS, AS NECESSARY AND AS REQUIRED FOR PROPER INSTALLATION THAT MEETS THE DESIGN INTENT AS WELL AS MAINTAINING ALL REQUIRED CLEARANCES, RESULTING IN INCOMPLETE AND OPERABLE SYSTEM.

B. DESIGN INFORMATION REPRESENTED ON PLANS, DIAGRAMS, DETAILS, AND SPECIFICATIONS ARE TO BE PROVIDED AS IF EXPRESSLY REQUIRED BY ALL, EVEN THOUGH THAT INFORMATION IS NOT INCLUDED ON ONE OR ALL OF THESE. DOCUMENTS ARE COMPLEMENTARY, AND WHERE CONFLICTS BETWEEN THEM MIGHT OCCUR, THE MORE STRICT SHALL APPLY.

C. THE CONTRACTOR MUST BECOME COMPLETELY FAMILIAR WITH ALL REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND VISIT THE SITE TO CONFIRM ALL EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO ANY ORDER, FABRICATION OR INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LOCATIONS, ELEVATIONS, SIZES AND INVERTS AS WELL AS DIRECTION OF FLOW.

D. ALL COMPONENTS, MATERIALS, FIXTURES AND EQUIPMENT TO BE REMOVED AS INDICATED HEREIN, SHALL BE OFFERED TO THE OWNER, AND ANYTHING THE OWNER DOES NOT WISH TO KEEP WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM SITE.

E. THE CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION, COVERS, BARRIERS, TO PROTECT THE EXISTING
- BUILDING AND CONTENTS THROUGHOUT THE DEMOLITION AND INSTALLATION PROCESS; AND IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF BUILDING ELEMENTS OR FINISHES REMOVED OR DAMAGED DURING PERFORMANCE OF THE SCOPE OF WORK.

F. WHERE ANY INSPECTIONS OR TESTING OF EXISTING OR NEWLY INSTALLED WORK ARE REQUIRED BY THE ARCHITECT, OWNER, CONSTRUCTION MANAGER OR AUTHORITY HAVING JURISDICTION, THAT WORK MUST NOT BE INSULATED OR CONCEALED UNTIL ALL INSPECTIONS AND/OR TESTS ARE COMPLETED AND ACCEPTED.

G. PIPING INDICATED TO BE REMOVED SHALL BE REMOVED ALL THE WAY BACK TO ACTIVE MAIN PIPING AND CAPPED, OR REMOVED BACK TO THE POINTS WHERE CONNECTION WILL BE MADE TO NEW WORK.

H. THIS CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COORDINATING WORK OF PLUMBING SCOPE WITH ARCHITECTURAL, STRUCTURAL, AND ALL OTHER TRADES, BASED UPON FIELD CONDITIONS AND CONTRACT DOCUMENTS OF OTHER TRADES. WHERE REQUIRED FOR ACCESS TO VALVES AND PLUMBING SYSTEM COMPONENTS, ACCESS PANELS SHALL BE PROVIDED BY THIS CONTRACTOR, AND LOCATIONS FOR THESE ARE TO BE COORDINATED CLOSELY WITH THE GENERAL CONTRACTOR AND CONSTRUCTION MANAGER.

I. REFER TO PIPING DIAGRAMS AND PIPING SYSTEM SCHEMATIC DIAGRAMS, AND OTHER DETAILS PROVIDED HEREIN, FOR SYSTEM AND PIPING ARRANGEMENTS, PIPING SIZES, AND OTHER COMPONENTS, WHICH MAY NOT NECESSARILY BE DISPLAYED ON PLANS. DIAGRAMS MAY NOT SHOW ALL FITTINGS AND ALL TYPES OF FITTINGS NEEDED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THOSE AS REQUIRED.




J. HORIZONTAL PIPING SHALL BE INSTALLED AS HIGH AS PRACTICAL, INCLUDING OFFSETS NECESSARY TO AVOID INTERFERENCES WITH WORK OF OTHER TRADES AND EXISTING ELEMENTS. WET
- PIPING SHALL NOT BE INSTALLED IN OUTDOOR WALLS OR PLENUM SPACES SUBJECT TO FREEZING, AND SHALL NOT BE RUN THROUGH, OR ABOVE, ROOMS CONTAINING EQUIPMENT SUCH AS ELECTRICAL GEAR AND PANELS, ELEVATOR SHAFTS AND ELEVATOR EQUIPMENT ROOMS, IT AND COMMUNICATIONS EQUIPMENT ROOMS.

K. INSTALL WASTE PIPING WITH MINIMUM SLOPE FOR PROPER GRAVITY DRAINAGE AT 1/4 INCH PER FOOT. CLEANOUTS SHALL BE PROVIDED AT WASTE SYSTEM END OF RUNS, AND CHANGES OF DIRECTION, AND NEAR THE BASE OF ANY VERTICAL STACKS, IN ACCORDANCE WITH OHIO PLUMBING CODE (2017), AND SHALL BE FULL SIZE OF PIPE. WALL CLEANOUTS SHALL BE LOCATED SUCH THAT THEY ARE ABOVE THE FLOOD ROOM OF ANY FIXTURES SERVED.

L. PROVIDE SLEEVES AT ALL BUILDING WALL, FLOOR OR ROOF PENETRATIONS, INCLUDING FIRE STOPPING WERE REQUIRED (REFER TO DIVISION 7 SPECIFICATIONS). SLEEVES SHALL BE MINIMUM TWO NOMINAL SIZES LARGER THAN PIPE. SEAL ANY ROOF OR WALL PENETRATION AND PROVIDE FLASHING AND COUNTER FLASHING WHERE REQUIRED AT EXTERIORS. FLASHING PROVIDED AT ROOF PENETRATIONS SHALL BE MINIMUM 14 INCHES ABOVE ROOF.

M. PROVIDE PLUMBING FIXTURES AND ASSOCIATED COMPONENTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS AND OHIO PLUMBING CODE (2017). THIS CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY COMPONENTS, FITTINGS, ADAPTERS FOR FINAL CONNECTIONS FOR ALL PLUMBING FIXTURES RESULTING IN PROPER INSTALLATION AND OPERATION. WHERE REQUIRED FOR FAST-CLOSING FIXTURES, VALVES AND COMPONENTS, PROVIDE WATER HAMMER ARRESTORS WHERE REQUIRED FOLLOWING THE MANUFACTURER'S RECOMMENDATIONS FOR SIZING AND LOCATIONS.

PLUMBING SYMBOLS

-  PIPING SLOPE DIRECTION
-  CONNECTION POINT
-  BALL VALVE

PLUMBING LEGEND

- CO CLEAN OUT

DCW DOMESTIC COLD WATER

DHW DOMESTIC HOT WATER

DHWR DOMESTIC HOT WATER RETURN

EX EXISTING

FD FLOOR DRAIN

SAN SANITARY WASTE

SV SANITARY VENT

WCO WALL CLEAN OUT

WHA WATER HAMMER ARRESTOR



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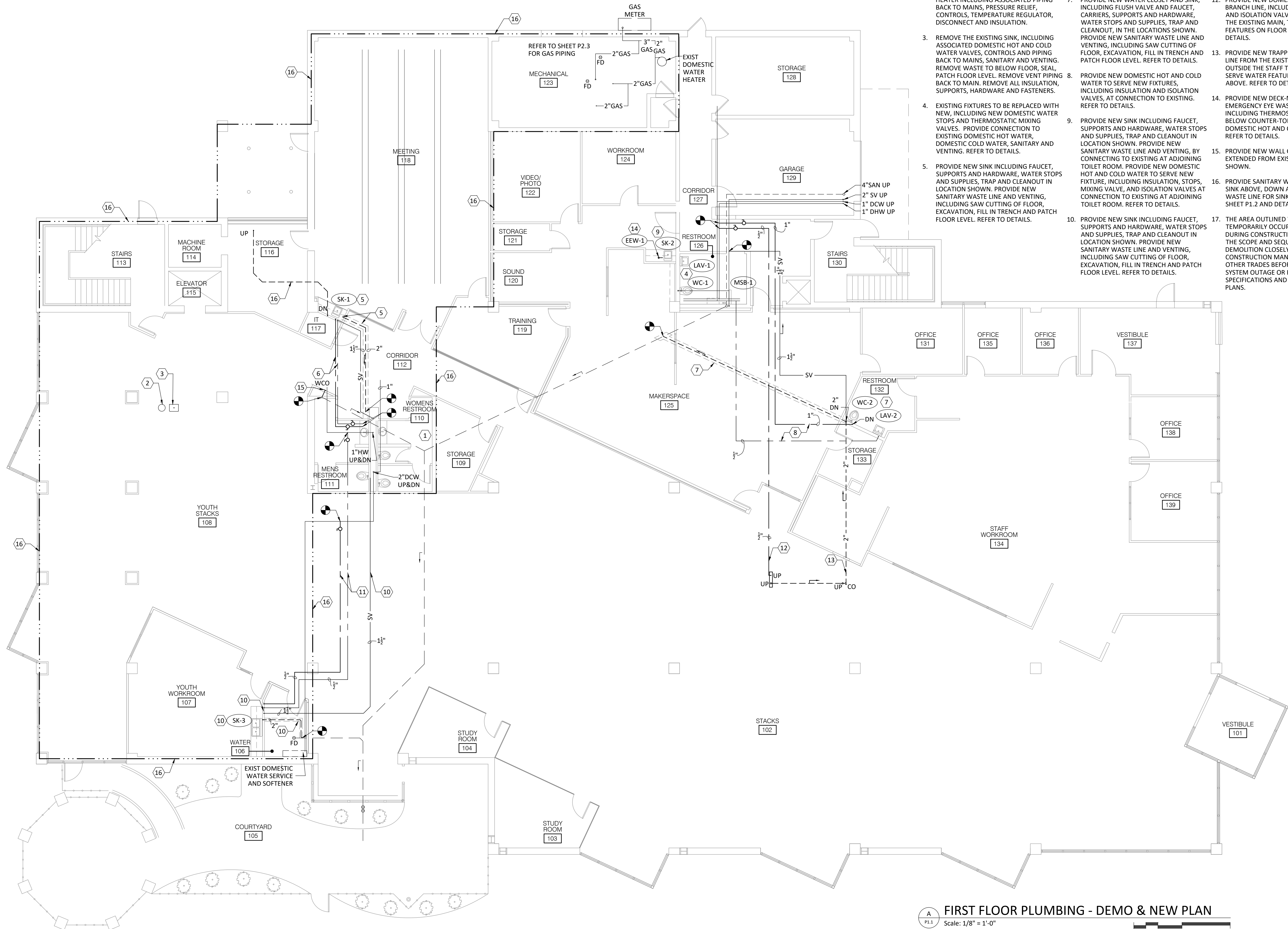
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PLUMBING KEYED NOTES

- EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING IN THESE RESTROOMS ARE TO REMAIN.
- REMOVE EXISTING TANK STYLE ELECTRIC UNDER-COUNTER DOMESTIC HOT WATER HEATER INCLUDING ASSOCIATED PIPING BACK TO MAINS, PRESSURE RELIEF, CONTROLS, TEMPERATURE REGULATOR, DISCONNECT AND INSULATION.
- REMOVE THE EXISTING SINK, INCLUDING ASSOCIATED DOMESTIC HOT AND COLD WATER VALVES, CONTROLS AND PIPING BACK TO MAINS, SANITARY AND VENTING. REMOVE WASTE TO BELOW FLOOR, SEAL, PATCH FLOOR LEVEL. REMOVE VENT PIPING BACK TO MAIN. REMOVE ALL INSULATION, SUPPORTS, HARDWARE AND FASTENERS.
- EXISTING FIXTURES TO BE REPLACED WITH NEW, INCLUDING NEW DOMESTIC WATER STOPS AND THERMOSTATIC MIXING VALVES. PROVIDE CONNECTION TO EXISTING DOMESTIC HOT WATER, DOMESTIC COLD WATER, SANITARY AND VENTING. REFER TO DETAILS.
- PROVIDE NEW SINK INCLUDING FAUCET, SUPPORTS AND HARDWARE, WATER STOPS AND SUPPLIES, TRAP AND CLEANOUT IN LOCATION SHOWN. PROVIDE NEW SANITARY WASTE LINE AND VENTING, INCLUDING SAW CUTTING OF FLOOR, EXCAVATION, FILL IN TRENCH AND PATCH FLOOR LEVEL. REFER TO DETAILS.
- PROVIDE NEW DOMESTIC HOT AND COLD WATER TO SERVE NEW FIXTURE, INCLUDING MIXING VALVE, INSULATION AND ISOLATION VALVES AT CONNECTION TO EXISTING MAINS. REFER TO DETAILS.
- PROVIDE NEW WATER CLOSET AND SINK, INCLUDING FLUSH VALVE AND FAUCET, CARRIERS, SUPPORTS AND HARDWARE, WATER STOPS AND SUPPLIES, TRAP AND CLEANOUT, IN THE LOCATIONS SHOWN. PROVIDE NEW SANITARY WASTE LINE AND VENTING, INCLUDING SAW CUTTING OF FLOOR, EXCAVATION, FILL IN TRENCH AND PATCH FLOOR LEVEL. REFER TO DETAILS.
- PROVIDE NEW DOMESTIC HOT AND COLD WATER TO SERVE NEW FIXTURES, INCLUDING INSULATION AND ISOLATION VALVES, AT CONNECTION TO EXISTING. REFER TO DETAILS.
- PROVIDE NEW SINK INCLUDING FAUCET, SUPPORTS AND HARDWARE, WATER STOPS AND SUPPLIES, TRAP AND CLEANOUT IN LOCATION SHOWN. PROVIDE NEW SANITARY WASTE LINE AND VENTING, BY CONNECTING TO EXISTING AT ADJOINING TOILET ROOM. PROVIDE NEW DOMESTIC HOT AND COLD WATER TO SERVE NEW FIXTURE, INCLUDING INSULATION, STOPS, MIXING VALVE, AND ISOLATION VALVES AT CONNECTION TO EXISTING AT ADJOINING TOILET ROOM. REFER TO DETAILS.
- PROVIDE NEW SINK INCLUDING FAUCET, SUPPORTS AND HARDWARE, WATER STOPS AND SUPPLIES, TRAP AND CLEANOUT IN LOCATION SHOWN. PROVIDE NEW SANITARY WASTE LINE AND VENTING, INCLUDING SAW CUTTING OF FLOOR, EXCAVATION, FILL IN TRENCH AND PATCH FLOOR LEVEL. REFER TO DETAILS.
- PROVIDE NEW DOMESTIC HOT AND COLD WATER TO SERVE NEW FIXTURE, INCLUDING MIXING VALVE, INSULATION AND ISOLATION VALVES AT CONNECTION TO EXISTING MAINS. REFER TO DETAILS.
- PROVIDE NEW DOMESTIC COLD WATER BRANCH LINE, INCLUDING INSULATION AND ISOLATION VALVE AT CONNECTION TO THE EXISTING MAIN, TO SERVE WATER FEATURES ON FLOOR ABOVE. REFER TO DETAILS.
- PROVIDE NEW TRAPPED SANITARY WASTE LINE FROM THE EXISTING WASTE MAIN OUTSIDE THE STAFF TOILET ROOM, UP TO SERVE WATER FEATURES ON FLOOR ABOVE. REFER TO DETAILS.
- PROVIDE NEW DECK-MOUNTED EMERGENCY EYE WASH FIXTURE, INCLUDING THERMOSTATIC MIXING VALVE BELOW COUNTER-TOP, STOPS, INSULATED DOMESTIC HOT AND COLD WATER PIPING. REFER TO DETAILS.
- PROVIDE NEW WALL CLEANOUT, EXTENDED FROM EXISTING WHERE SHOWN.
- PROVIDE SANITARY WASTE LINE FROM SINK ABOVE, DOWN AND CONNECT TO WASTE LINE FOR SINK SK-1. REFER TO SHEET P1.2 AND DETAILS.
- THE AREA OUTLINED WILL BE TEMPORARILY OCCUPIED BY THE OWNER DURING CONSTRUCTION. COORDINATE THE SCOPE AND SEQUENCE OF DEMOLITION CLOSELY WITH THE CONSTRUCTION MANAGER, OWNER, AND OTHER TRADES BEFORE BEGINNING ANY SYSTEM OUTAGE OR REMOVALS. REFER TO SPECIFICATIONS AND ARCHITECTURAL PLANS.

A FIRST FLOOR PLUMBING - DEMO & NEW PLAN

Scale: 1/8" = 1'-0"

NOTE: REFER TO PLUMBING TITLE SHEET P0.0 FOR PLUMBING LEGEND AND GENERAL NOTES FOR THIS SHEET.



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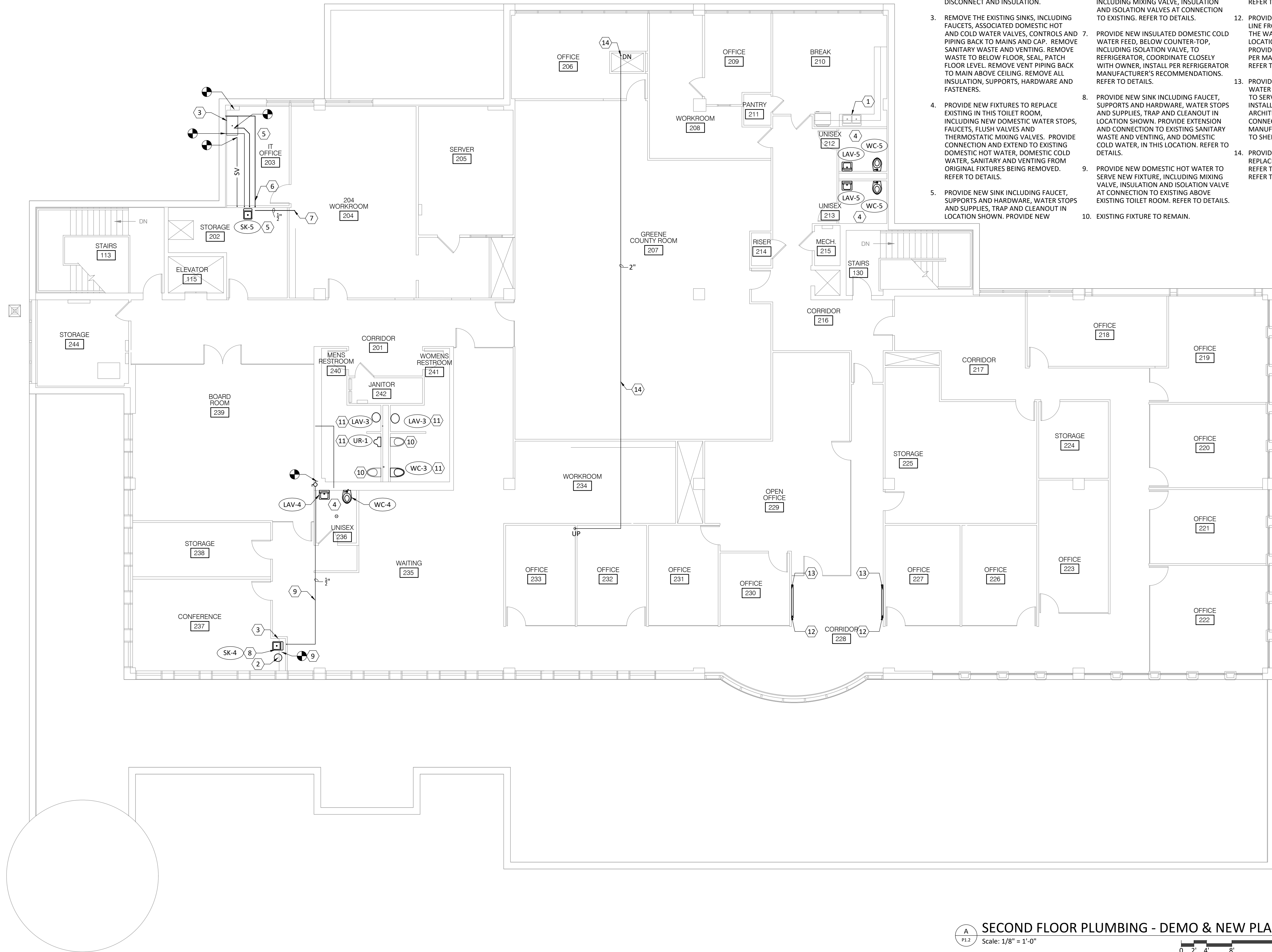
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DEMO & NEW PLAN

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Job No.: 22-2038

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NOTES

1. EXISTING SINK, AND ASSOCIATED FAUCET, WATER STOPS, PIPING, DISPOSAL, TO REMAIN.
2. REMOVE EXISTING TANK STYLE ELECTRIC UNDER-COUNTER DOMESTIC HOT WATER HEATER INCLUDING ASSOCIATED PIPING BACK TO MAIN, PRESSURE RELIEF, CONTROLS, TEMPERATURE REGULATOR, DISCONNECT AND INSULATION.
3. REMOVE THE EXISTING SINKS, INCLUDING FAUCETS, ASSOCIATED DOMESTIC HOT AND COLD WATER VALVES, CONTROLS AND PIPING BACK TO MAINS AND CAP. REMOVE SANITARY WASTE AND VENTING. REMOVE WASTE TO BELOW FLOOR, SEAL, PATCH FLOOR LEVEL. REMOVE VENT PIPING BACK TO MAIN ABOVE CEILING. REMOVE ALL INSULATION, SUPPORTS, HARDWARE AND FASTENERS.
4. PROVIDE NEW FIXTURES TO REPLACE EXISTING IN THIS TOILET ROOM, INCLUDING NEW DOMESTIC WATER STOPS, FAUCETS, FLUSH VALVES AND THERMOSTATIC MIXING VALVES. PROVIDE CONNECTION AND EXTEND TO EXISTING DOMESTIC HOT WATER, DOMESTIC COLD WATER, SANITARY AND VENTING FROM ORIGINAL FIXTURES BEING REMOVED. REFER TO DETAILS.
5. PROVIDE NEW SINK INCLUDING FAUCET, SUPPORTS AND HARDWARE, WATER STOPS AND SUPPLIES, TRAP AND CLEANOUT IN LOCATION SHOWN. PROVIDE NEW
6. PROVIDE NEW DOMESTIC HOT AND COLD WATER TO SERVE NEW FIXTURE, INCLUDING MIXING VALVE, INSULATION AND ISOLATION VALVES AT CONNECTION TO EXISTING. REFER TO DETAILS.
7. PROVIDE NEW INSULATED DOMESTIC COLD WATER FEED, BELOW COUNTER-TOP, INCLUDING ISOLATION VALVE, TO REFRIGERATOR, COORDINATE CLOSELY WITH OWNER, INSTALL PER REFRIGERATOR MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAILS.
8. PROVIDE NEW SINK INCLUDING FAUCET, SUPPORTS AND HARDWARE, WATER STOPS AND SUPPLIES, TRAP AND CLEANOUT IN LOCATION SHOWN. PROVIDE EXTENSION AND CONNECTION TO EXISTING SANITARY WASTE AND VENTING, AND DOMESTIC COLD WATER, IN THIS LOCATION. REFER TO DETAILS.
9. PROVIDE NEW DOMESTIC HOT WATER TO SERVE NEW FIXTURE, INCLUDING MIXING VALVE, INSULATION AND ISOLATION VALVE AT CONNECTION TO EXISTING ABOVE EXISTING TOILET ROOM. REFER TO DETAILS.
10. EXISTING FIXTURE TO REMAIN.
11. PROVIDE NEW FIXTURES TO REPLACE EXISTING IN THIS TOILET ROOM, INCLUDING NEW DOMESTIC WATER STOPS, FAUCET, FLUSH VALVE AND THERMOSTATIC MIXING VALVE. PROVIDE CONNECTION AND EXTEND TO EXISTING DOMESTIC HOT WATER, DOMESTIC COLD WATER, SANITARY AND VENTING FROM ORIGINAL FIXTURES BEING REMOVED. REFER TO DETAILS.
12. PROVIDE NEW TRAPPED SANITARY WASTE LINE FROM THE FLOOR BELOW TO SERVE THE WATER FEATURES INSTALLED AT THIS LOCATION. REFER TO ARCHITECTURAL DRAWINGS. PROVIDE CONNECTION AND SPECIALTIES PER MANUFACTURER'S INSTRUCTIONS. REFER TO SHEET P1.1 AND DETAILS.
13. PROVIDE INSULATED DOMESTIC COLD WATER PIPING FROM THE FLOOR BELOW TO SERVE THE WATER FEATURES INSTALLED AT THIS LOCATION. REFER TO ARCHITECTURAL DRAWINGS. PROVIDE CONNECTION AND SPECIALTIES PER MANUFACTURER'S INSTRUCTIONS. REFER TO SHEET P1.0 AND DETAILS.
14. PROVIDE NEW NATURAL GAS PIPING TO REPLACE EXISTING IN THIS LOCATION. REFER TO SHEET P1.3 FOR CONTINUATION. REFER TO DETAILS.

A SECOND FLOOR PLUMBING - DEMO & NEW PLAN

Scale: 1/8" = 1'-0"

NOTE: REFER TO PLUMBING TITLE SHEET P0.0 FOR PLUMBING LEGEND AND GENERAL NOTES FOR THIS SHEET.

0 2' 4' 8' 16'



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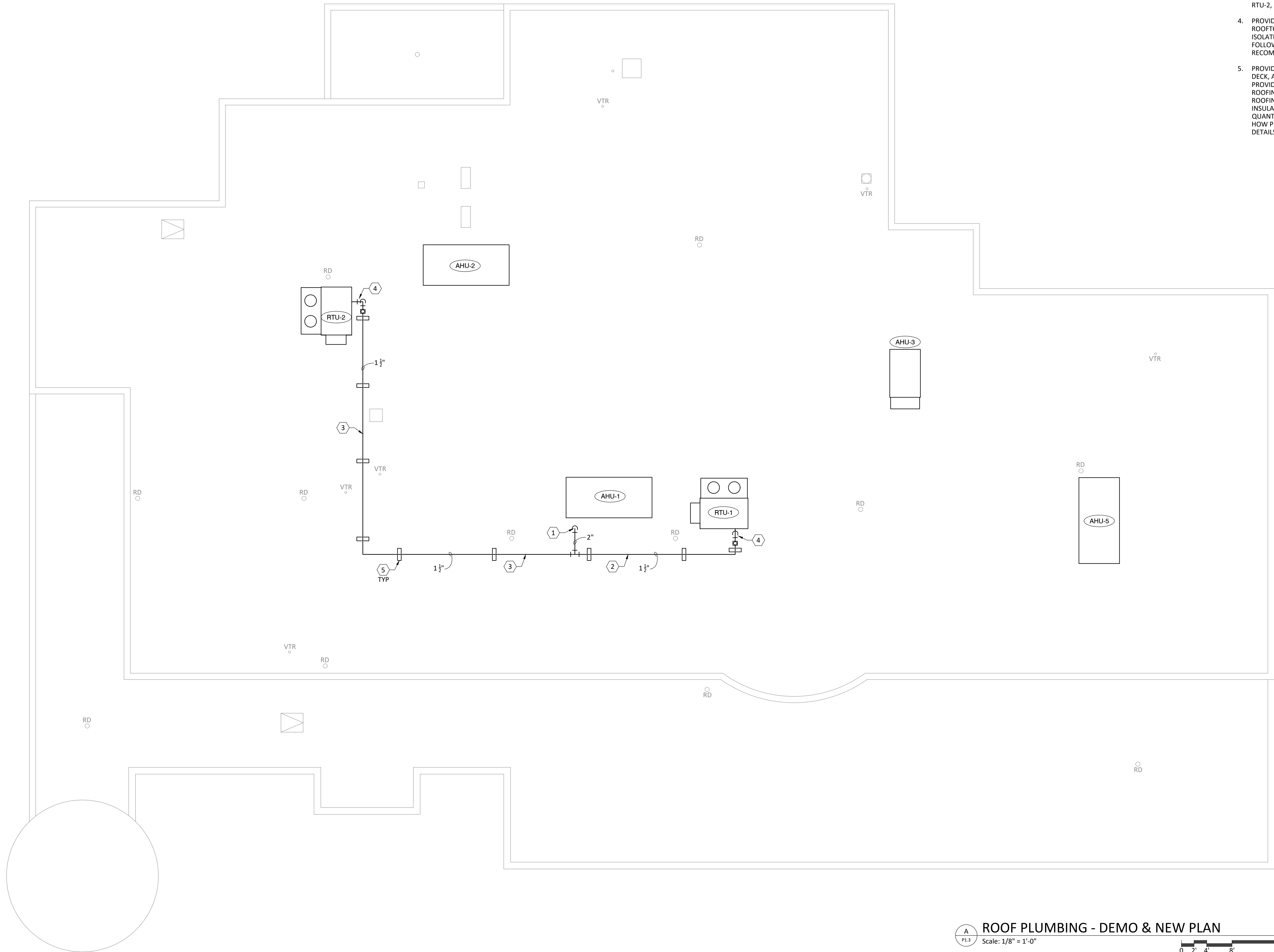
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SECOND FLOOR
PLUMBING
DEMO & NEW PLAN

Drawn By: TK, BBJ, MW
Scale: AS NOTED
Job No.: 22-2038

P1.2



- # NOTES
1. PROVIDE NATURAL GAS PIPING CONTINUED FROM BELOW. UTILIZE EXISTING ROOF PENETRATION, PROVIDE NEW FLASHING BOOT AND CLAMP.
 2. PROVIDE NEW NATURAL GAS BRANCH PIPE, ON TOP OF ROOF, TO SERVE THE UNIT RTU-1, AS SHOWN.
 3. PROVIDE NEW NATURAL GAS BRANCH PIPE, ON TOP OF ROOF, TO SERVE THE UNIT RTU-2, AS SHOWN.
 4. PROVIDE CONNECTION TO THE NEW ROOFTOP UNITS, INCLUDING NATURAL GAS ISOLATION VALVE, UNION, DRIP LEG. FOLLOW MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAILS.
 5. PROVIDE PIPING CURB SECURED TO ROOF DECK, AND ANCHOR PIPING TO THE CURB. PROVIDE THE SERVICES OF A QUALIFIED ROOFING CONTRACTOR TO MAINTAIN ROOFING BOND, FOR INSTALLATION, INSULATION AND FLASHING. PROVIDE QUANTITY AND SPACING REQUIRED PER HOW PLUMBING CODE 2017. REFER TO DETAILS

4

K

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ROOF
PLUMBING
DEMO & NEW PLAN

Drawn By:	TK, BBJ, MW
Scale:	AS NOTED
Job No.:	22-2038

P1.3

A
P1.3

ROOF PLUMBING - DEMO & NEW PLAN
Scale: 1/8" = 1'-0"

0

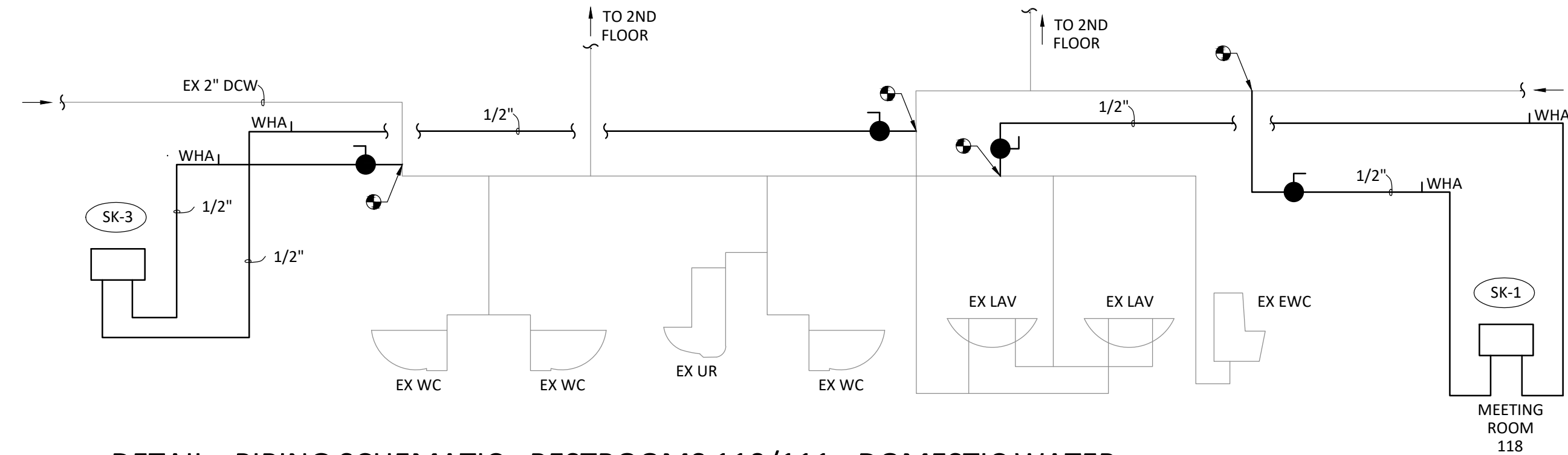
2'

4'

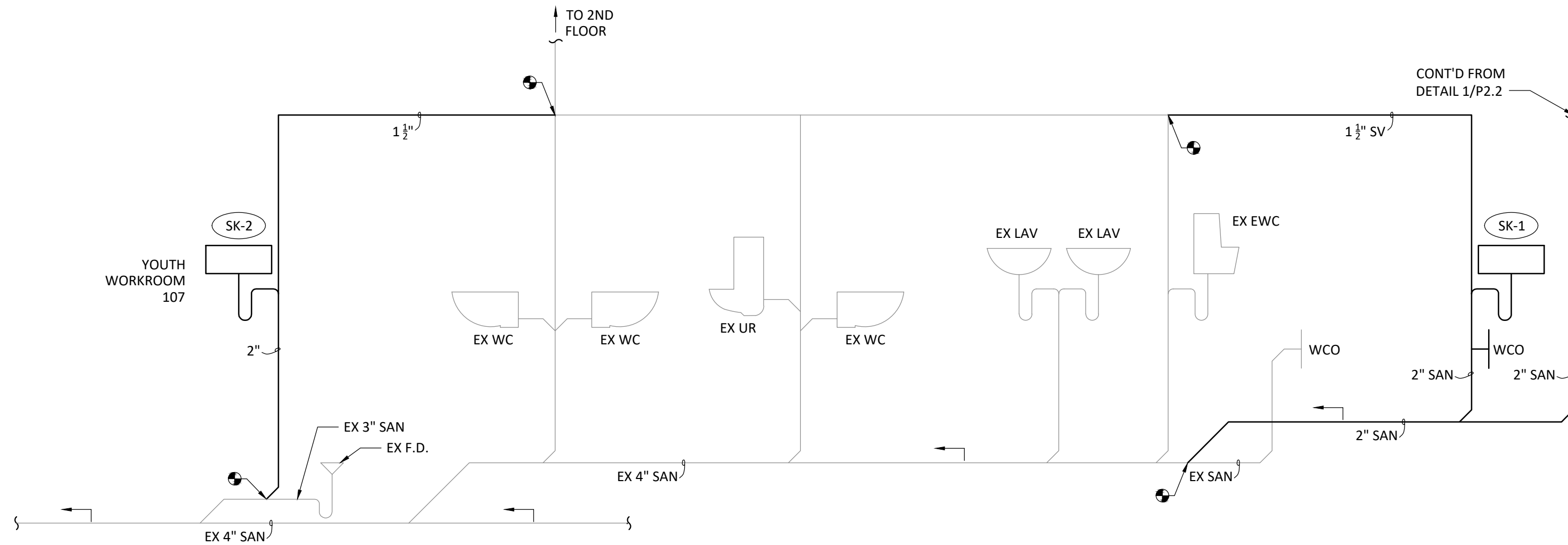
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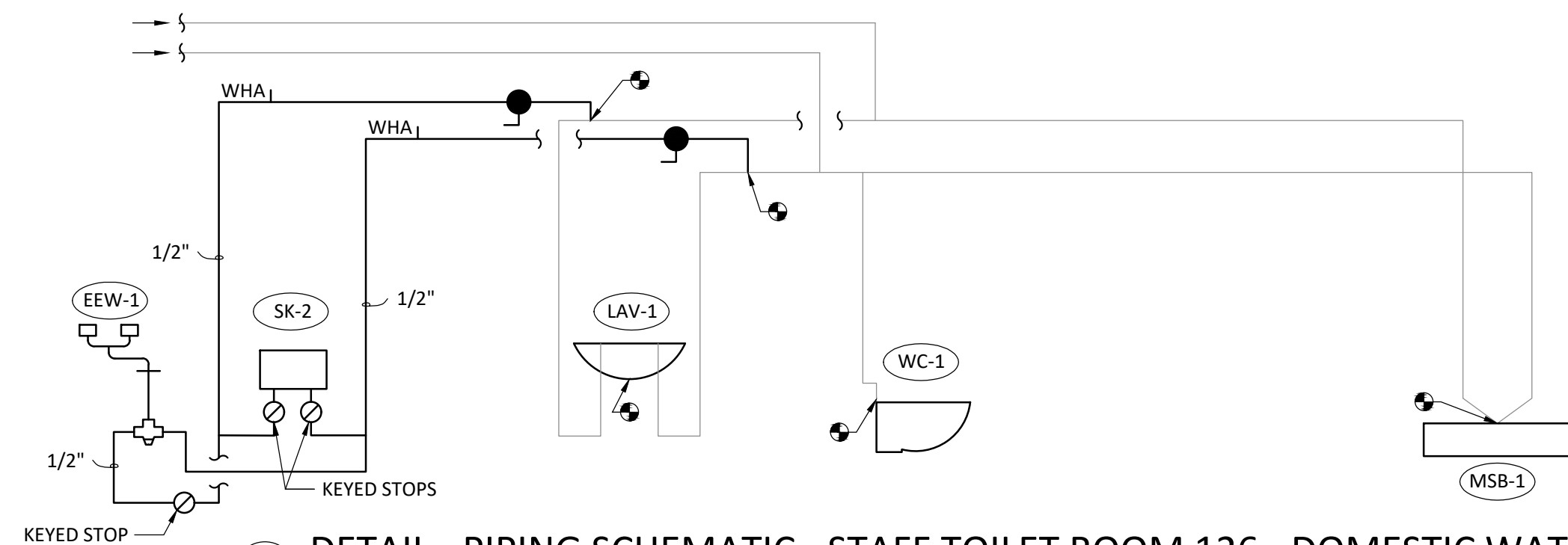
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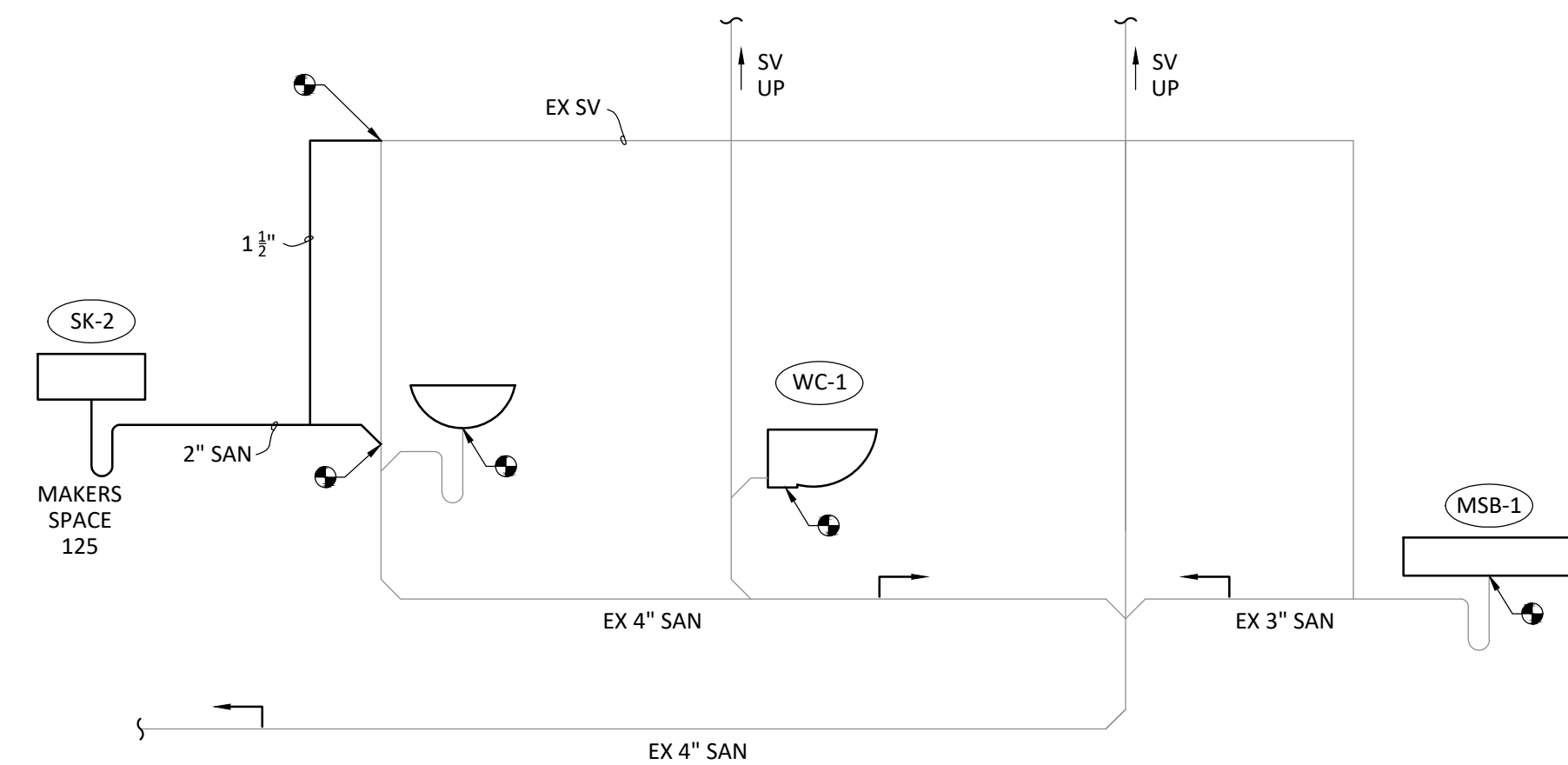
1
P2.1
DETAIL - PIPING SCHEMATIC - RESTROOMS 110/111 - DOMESTIC WATER
NOT TO SCALE



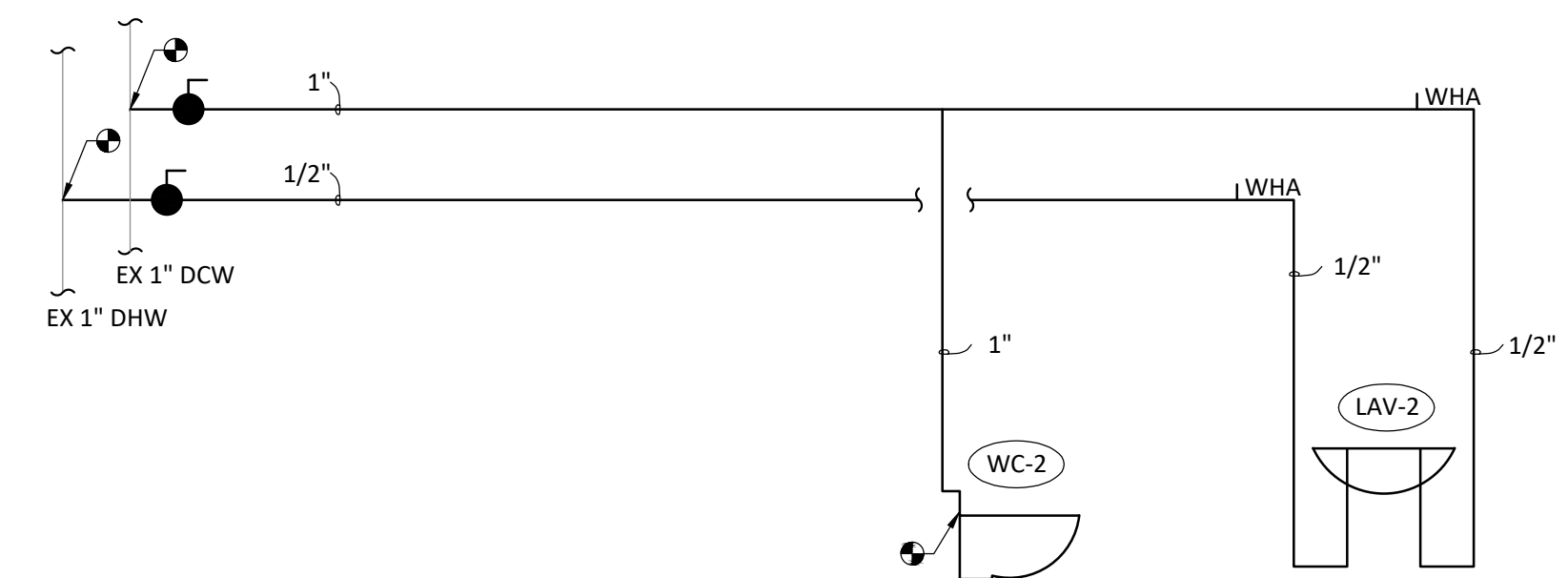
2
P2.1
DETAIL - PIPING SCHEMATIC - RESTROOMS 110/111 - DRAIN, WASTE, VENT
NOT TO SCALE



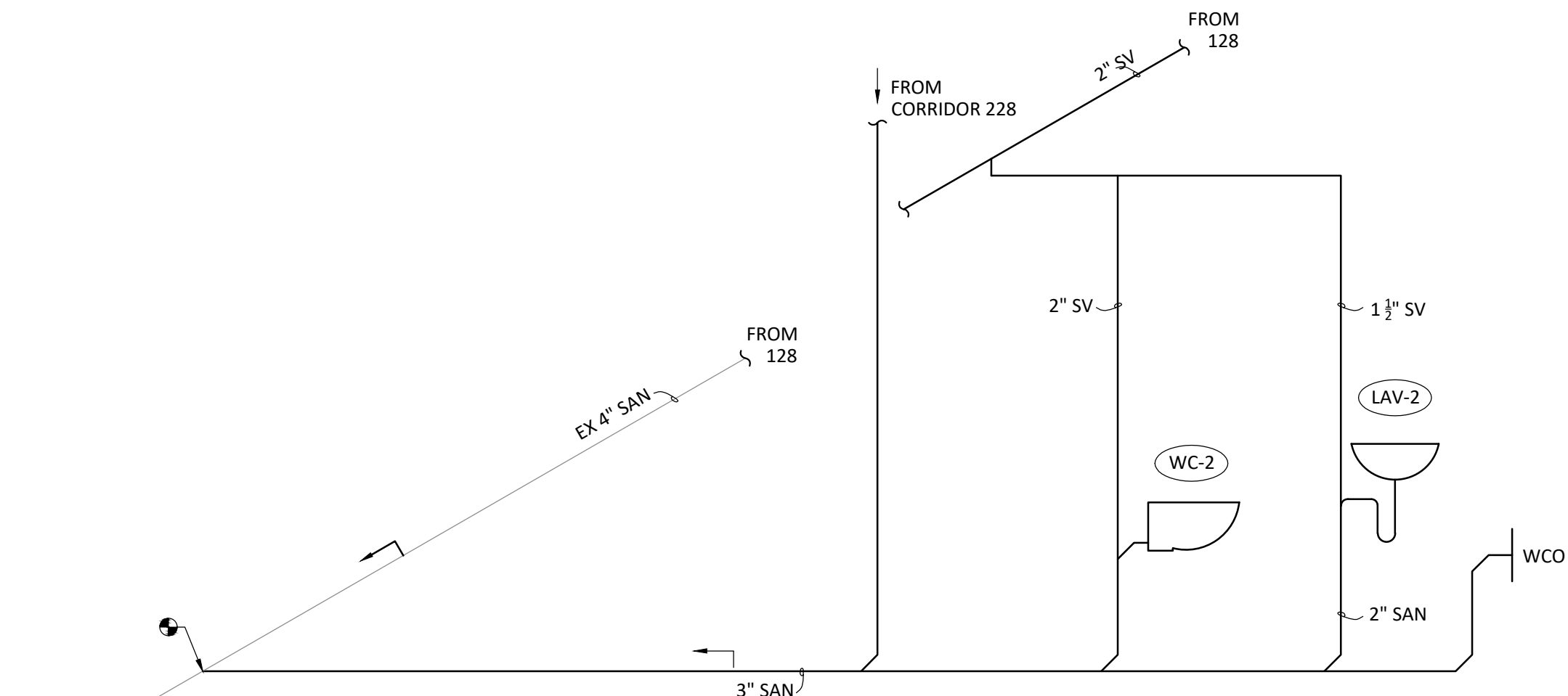
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P2.1
DETAIL - PIPING SCHEMATIC - STAFF TOILET ROOM 126 - DOMESTIC WATER
NOT TO SCALE



4
P2.1
DETAIL - PIPING SCHEMATIC - STAFF TOILET ROOM 126 - RAIN, WASTE, VENT
NOT TO SCALE



5
P2.1
DETAIL - PIPING SCHEMATIC - TOILET ROOM 132 - DOMESTIC WATER
NOT TO SCALE



6
P2.1
DETAIL - PIPING SCHEMATIC - STAFF TOILET ROOM 132 - DRAIN, WASTE, VENT
NOT TO SCALE



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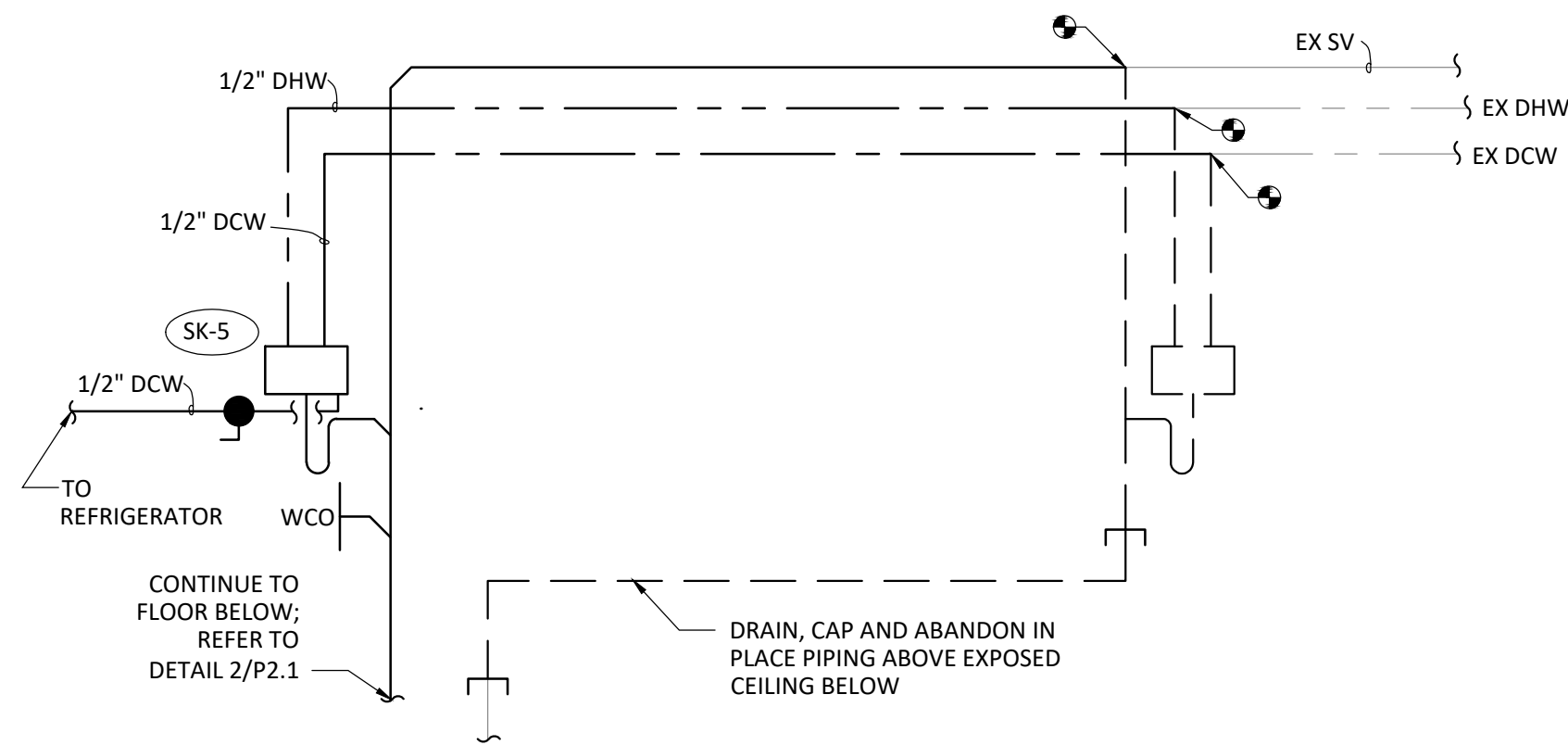
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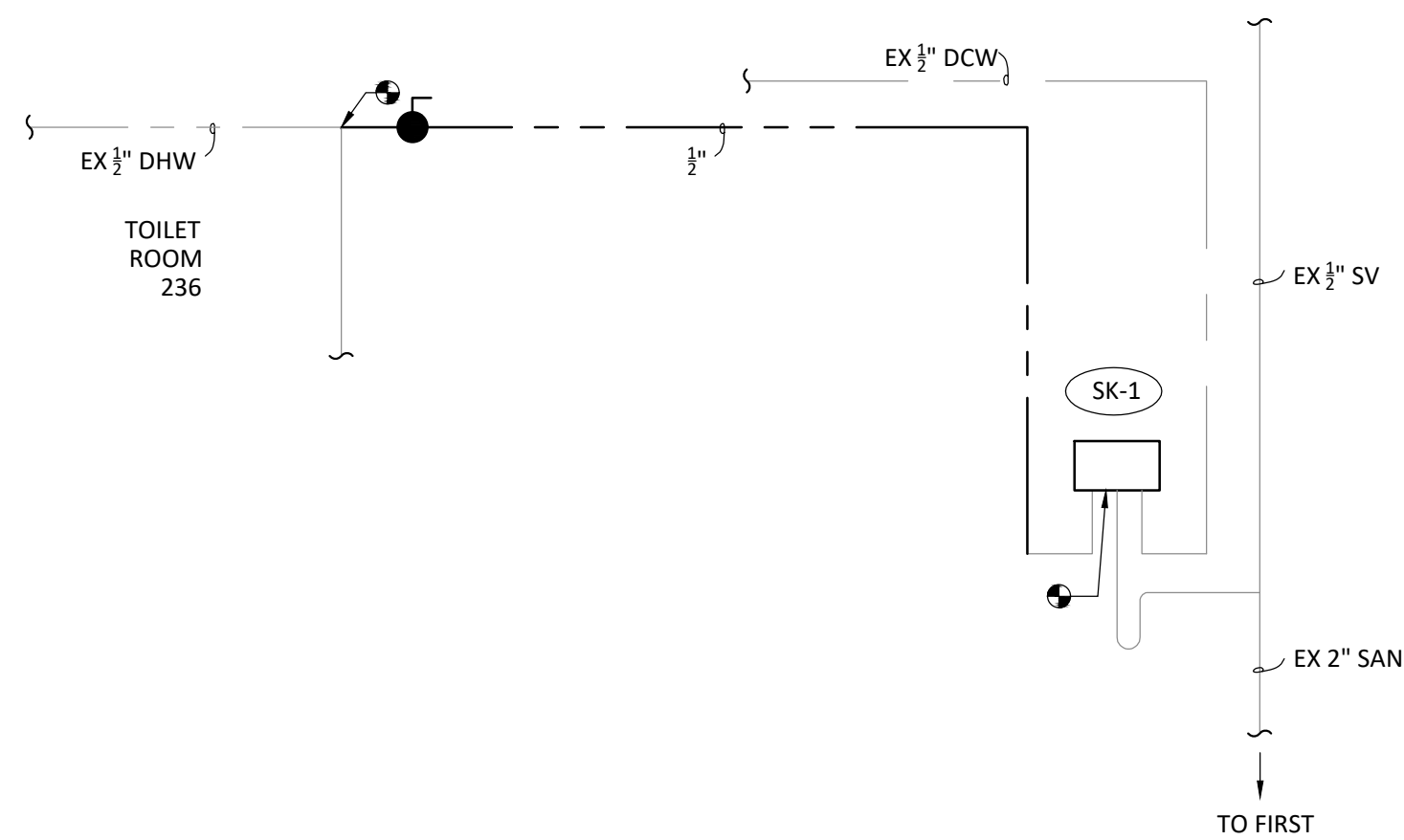
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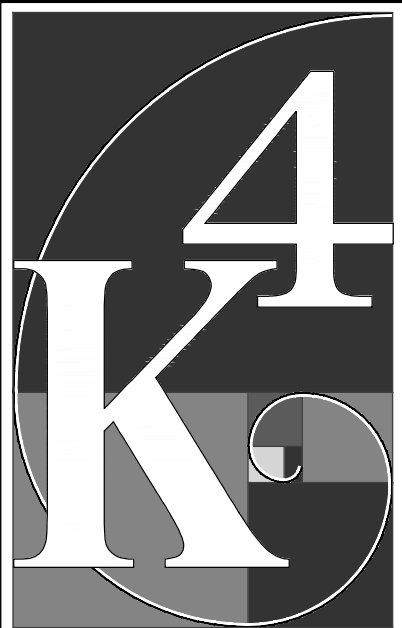


1
P2.2
DETAIL - PIPING SCHEMATIC - ROOM 202 - DOMESTIC WATER & DRAIN, WASTE, VENT
NOT TO SCALE



2
P2.2
DETAIL - PIPING SCHEMATIC - ROOM 237 - DOMESTIC WATER & DRAIN, WASTE, VENT
NOT TO SCALE

PLUMBING FIXTURES SCHEDULE													
TAG	ROOM	DESCRIPTION	SAN	SV	DCW	DHW	FLOW	ADA	TRIM	DRAIN	REFERENCED MANUFACTURER	REFERENCED MODEL	NOTES
LAV-1	RESTROOM 126	WALL HUNG LAVATORY WITH CARRIER	2"	1-1/2"	1/2"	1/2"	.5 GPM	YES	4" CENTER-SET	GRID	ZURN	HIGH BACK Z5360	A
LAV-2	RESTROOM 132	WALL HUNG LAVATORY WITH CARRIER	2"	1-1/2"	1/2"	1/2"	.5 GPM	YES	4" CENTER-SET	GRID	ZURN	HIGH BACK Z5360	A
LAV-3	RESTROOMS 240, 241	DROP-IN COUNTERTOP LAVATORY	2"	1-1/2"	1/2"	1/2"	.5 GPM	YES	4" CENTER-SET	GRID	ZURN	COUNTERTOP Z5110	A
LAV-4	UNISEX TOILET ROOM 236	WALL HUNG LAVATORY WITH CARRIER	2"	1-1/2"	1/2"	1/2"	.5 GPM	YES	4" CENTER-SET	GRID	ZURN	HIGH BACK Z5360	A
LAV-5	UNISEX TOILET ROOMS 212, 213	WALL HUNG LAVATORY WITH CARRIER	2"	1-1/2"	1/2"	1/2"	.5 GPM	YES	4" CENTER-SET	GRID	ZURN	HIGH BACK Z5360	A
SK-1	MEETING ROOM 118	DROP-IN COUNTERTOP SINK	2"	1-1/2"	1/2"	1/2"	1.5 GPM	YES	4" CENTER-SET	GRID	ELKAY	LRAD 151765	B, G
SK-2	MAKERSPACE 125	DROP-IN COUNTERTOP SINK	2"	1-1/2"	1/2"	1/2"	1.5 GPM	YES	4" CENTER-SET	GRID	ELKAY	DLR221910PD	C, F
SK-3	YOUTH WORKROOM 107	DROP-IN COUNTERTOP, DOUBLE-BOWL SINK	2"	1-1/2"	1/2"	1/2"	1.5 GPM	YES	4" CENTER-SET	GRID	ELKAY	LRAD291865	D, H
SK-4	CONFERENCE 237	DROP-IN COUNTERTOP SINK	2"	1-1/2"	1/2"	1/2"	1.5 GPM	YES	4" CENTER-SET	GRID	ELKAY	LRAD 151765	B, G
SK-5	STORAGE 202	DROP-IN COUNTERTOP SINK	2"	1-1/2"	1/2"	1/2"	1.5 GPM	YES	4" CENTER-SET	GRID	ELKAY	PSLVR1917	E, F
EEW-1	MAKERSPACE 125	SWING-OPERATED EYE WASH	--	--	1/2"	1/2"	.5 GPM		--	--	CHICAGO	8411-NF	I
UR-1	MENS RESTROOM 240	WALL MOUNTED URINAL	2"	1-1/2"	3/4"	--	.125 GPF	YES	TOP-SPUD FLUSH VALVE	--	ZURN	OMNI-FLO Z5755-U	J
WC-1	RESTROOM 126	WALL MOUNTED WATER CLOSET	3"	1-1/2"	1/2"	--	1.28 GPF	YES	TOP-SPUD FLUSH VALVE	--	ZURN	ECOVANTAGE Z5615-BWL	K, L
WC-2	RESTROOM 132	WALL MOUNTED WATER CLOSET	3"	1-1/2"	1/2"	--	1.28 GPF	YES	TOP-SPUD FLUSH VALVE	--	ZURN	ECOVANTAGE Z5615-BWL	K, L
WC-3	WOMENS RESTROOM 241	WALL MOUNTED WATER CLOSET	3"	1-1/2"	1/2"	--	1.28 GPF	YES	TOP-SPUD FLUSH VALVE	--	ZURN	ECOVANTAGE Z5615-BWL	K, L
WC-4	UNISEX TOILET ROOM 236	WALL MOUNTED WATER CLOSET	3"	1-1/2"	1/2"	--	1.28 GPF	YES	TOP-SPUD FLUSH VALVE	--	ZURN	ECOVANTAGE Z5615-BWL	K, L
WC-5	UNISEX TOILET ROOMS 212, 213	WALL MOUNTED WATER CLOSET	3"	1-1/2"	1/2"	--	1.28 GPF	YES	TOP-SPUD FLUSH VALVE	--	ZURN	ECOVANTAGE Z5615-BWL	K, L
NOTES													
A	SLOAN SF-2350 BATTERY POWERED SENSOR OPERATED FAUCET												
B	15 X 17 X 6-1/2 DEEP												
C	22 X 19 X 10 DEEP												
D	29 X 18 X 6-1/2 DEEP												
E	19 X 17 X 6 DEEP												
F	CHICAGO 526-E35-317ABCP SWIVEL FAUCET, WRIST BLADE HANDLES												
G	CHICAGO 895-317RGD1E35ABCP, FIXED FAUCET, WRIST BLADE HANDLES												
H	CHICAGO 895-317GN8AE35ABCP, SWIVEL FAUCET, WRIST BLADE HANDLES												
I	DECK MOUNTED, YELLOW PLASTIC COATING, DUST CAPS												
J	SLOAN 8186-BT BATTERY POWERED SENSOR OPERATED FLUSH VALVE WITH OVERRIDE												
K	ELONGATED BOWL												
L	SLOAN 8111-ECOS-.125 BATTERY POWERED SENSOR OPERATED FLUSH VALVE WITH OVERRIDE												



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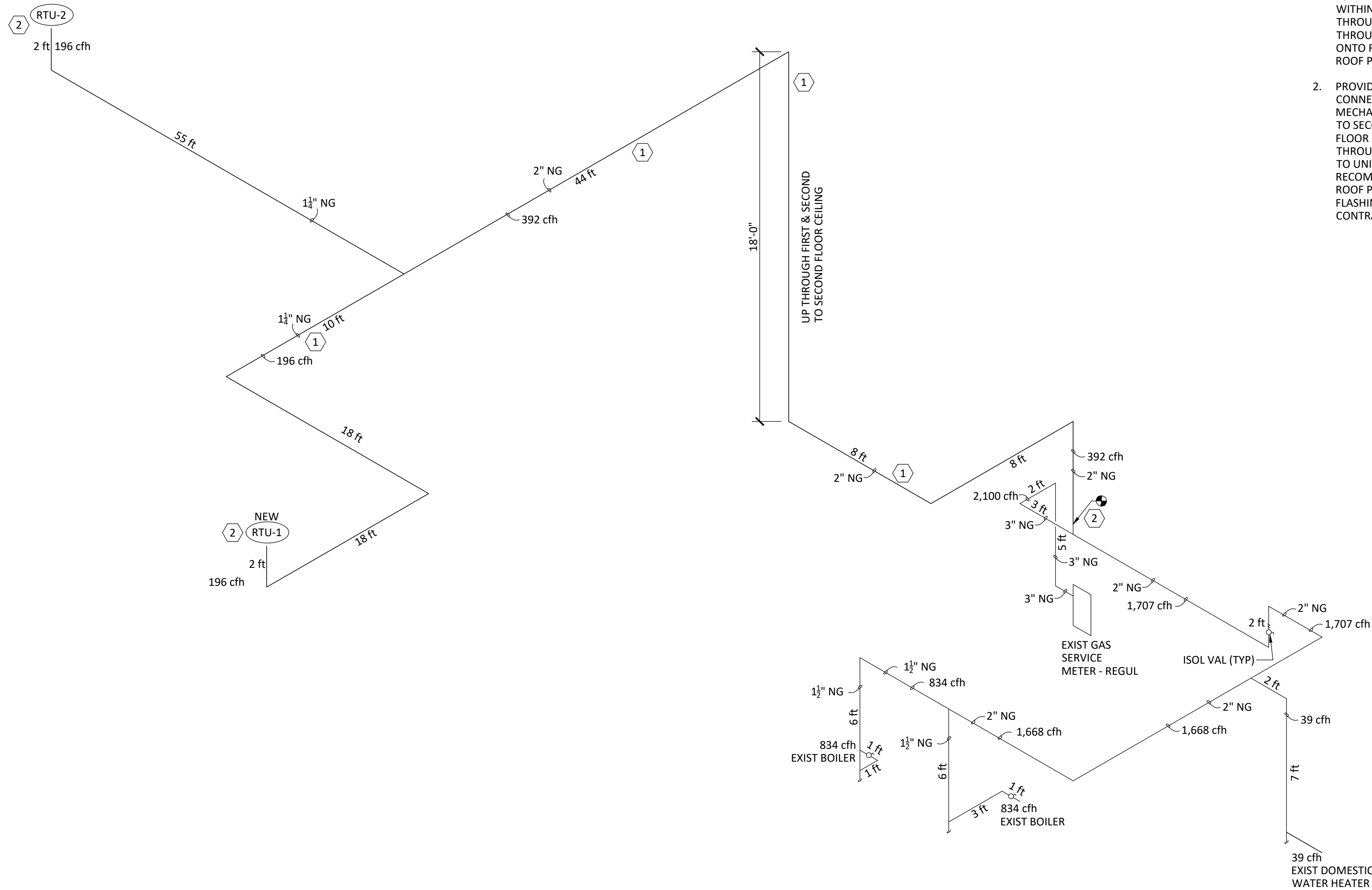
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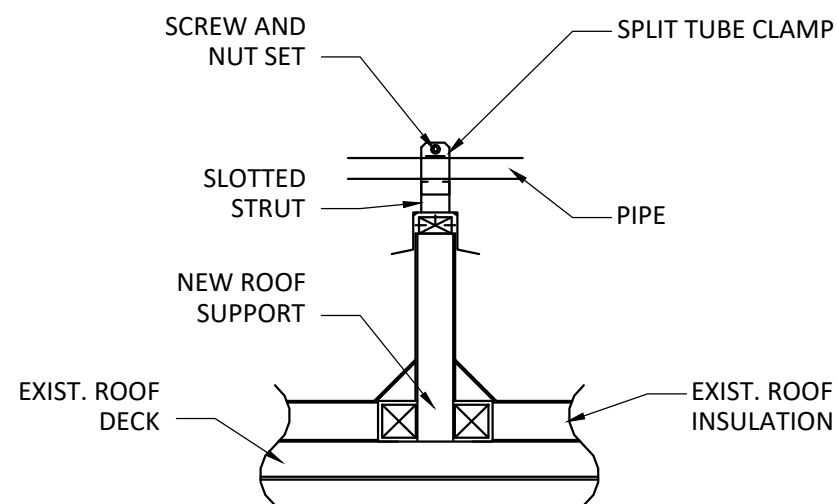
P2.2

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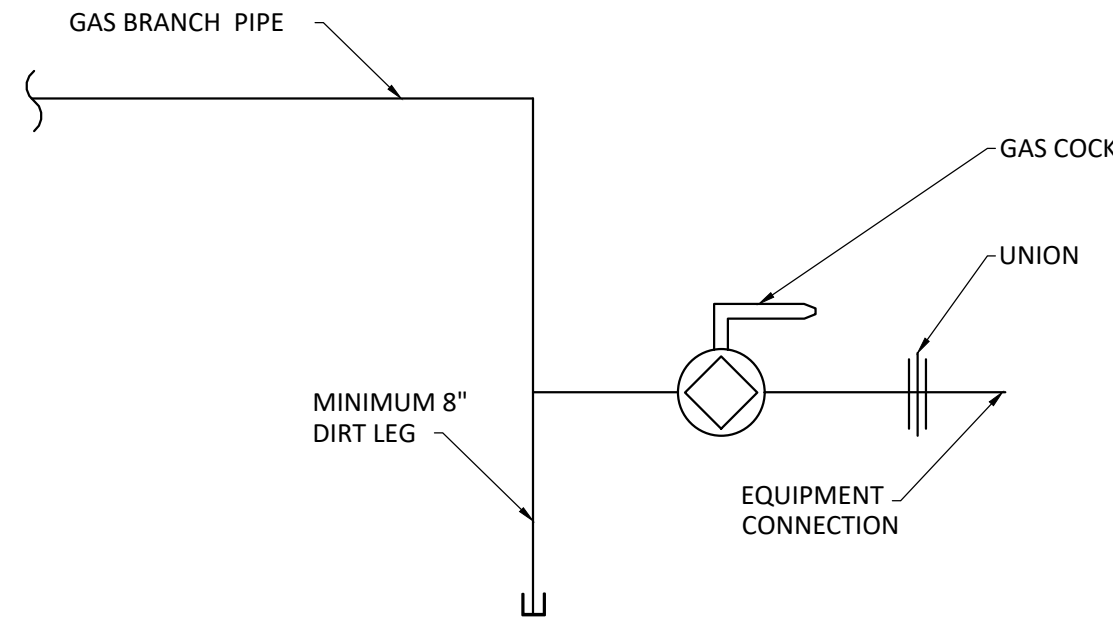


- # GAS PIPING KEYED NOTES
1. FIELD VERIFY EXTENT AND CONDITIONS FOR ABANDONED NATURAL GAS PIPING WITHIN MECHANICAL ROOM, UP THROUGH CHASE TO SECOND FLOOR, THROUGH SECOND FLOOR CEILING, AND ONTO ROOF. REMOVE ALL, MAINTAINING ROOF PENETRATION FOR NEW PIPING.
 2. PROVIDE NEW NATURAL GAS PIPING FROM CONNECTION POINT NOTED IN THE MECHANICAL ROOM, UP THROUGH CHASE TO SECOND FLOOR, THROUGH SECOND FLOOR ABOVE CEILINGS AND OUT THROUGH ROOF TO NEW UNITS. CONNECT TO UNITS PER MANUFACTURER'S RECOMMENDATIONS. UTILIZE EXISTING ROOF PENETRATION AND PROVIDE NEW FLASHING BY QUALIFIED ROOFING CONTRACTOR.

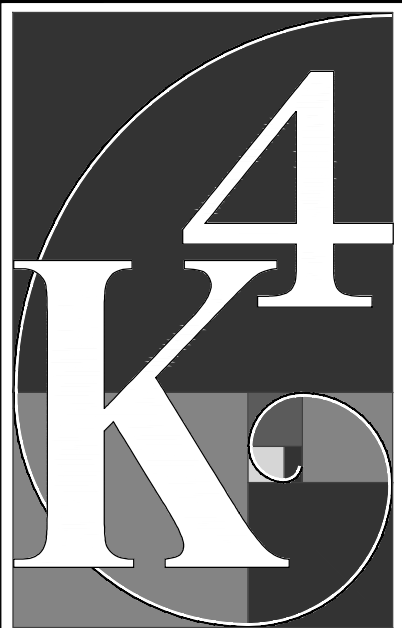
A
P2.3
DETAIL - SINGLE-LINE SCHEMATIC DIAGRAM - NATURAL GAS PIPING
NO SCALE



B
P2.3
DETAIL - PIPING SUPPORT ON ROOF
NOT TO SCALE



C
P2.3
DETAIL - GAS-FIRED EQUIPMENT CONNECTION
NOT TO SCALE



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DEMOLITION HVAC GENERAL NOTES

- A. DRAWINGS REPRESENTING THE MECHANICAL SCOPE OF WORK ARE DIAGRAMMATIC IN NATURE AND, THEREFORE, NOT INTENDED TO BE SCALED, BUT TO EXPRESS GENERAL SCOPE AND ARRANGEMENT ONLY. EXISTING CONDITIONS SHOWN HERE ARE BASED UPON REVIEW OF EXISTING DRAWINGS AND INSPECTIONS AT THE SITE, AND THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS, QUANTITIES, AND DIMENSIONS. THESE DRAWINGS ARE NOT INTENDED TO SHOW EVERY FITTING, OFFSET, DEVICE OR COMPONENT. THE CONTRACTOR SHALL PROVIDE SUCH ADDITIONAL FITTINGS, OFFSETS, COMPONENTS, AS NECESSARY AND AS REQUIRED FOR PROPER INSTALLATION THAT MEETS THE DESIGN INTENT AS WELL AS MAINTAINING ALL REQUIRED CLEARANCES, RESULTING IN A COMPLETE AND OPERABLE SYSTEM.

B. DESIGN INFORMATION REPRESENTED ON PLANS, DIAGRAMS, DETAILS, AND SPECIFICATIONS ARE TO BE PROVIDED AS IF EXPRESSLY REQUIRED BY ALL, EVEN THOUGH THAT INFORMATION IS NOT INCLUDED ON ONE OR ALL OF THESE. DOCUMENTS ARE COMPLEMENTARY, AND WHERE CONFLICTS BETWEEN THEM MIGHT OCCUR, THE MORE STRICT SHALL APPLY.

C. THE CONTRACTOR MUST BECOME COMPLETELY FAMILIAR WITH ALL REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND VISIT THE SITE TO CONFIRM ALL EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO ANY ORDER, FABRICATION OR INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF LOCATIONS, ELEVATIONS, SIZES AND CLEARANCES, AS WELL DIRECTION OF FLOW.

D. THE CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION, COVERS, BARRIERS, TO PROTECT THE EXISTING BUILDING AND CONTENTS THROUGHOUT
- E. THE CONTRACTOR PERFORMING THE DEMOLITION SHALL BE RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS BY WHICH DEMOLISHED EQUIPMENT AND MATERIALS ARE TO BE REMOVED FROM THE ROOMS, AND FROM THE BUILDING. THIS MAY INCLUDE FURTHER DISASSEMBLY AND OR CUTTING OF MATERIALS AND EQUIPMENT TO FACILITATE REMOVAL, PASSAGEWAYS AND DOORWAYS, WHETHER OR NOT THAT IS SHOWN OR DESCRIBED HEREIN.

F. WHERE ITEMS ARE REMOVED FROM WALLS, FLOORS, CEILINGS, ROOF, STRUCTURE; ANY REMAINING OPENINGS OR HOLES ARE TO BE PATCHED, BY THIS CONTRACTOR, WITH MATERIALS AND FINISHES THAT MATCH THE EXISTING.

G. THE CONTRACTOR PERFORMING THE DEMOLITION SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR, OWNER AND CONSTRUCTION MANAGER TO ASSURE ALL ELECTRICAL POWER IS SAFELY DISCONNECTED FROM ANY EQUIPMENT OR COMPONENTS BEFORE REMOVAL OF THAT IS STARTED.

H. ANY CONFLICTING DIRECTIVES OR INFORMATION FOUND ON DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT; AND THIS CONTRACTOR SHALL NOT PROCEED WITH ANY REMOVAL OR DISPOSAL UNTIL CLARIFICATION IS PROVIDED BY THE ARCHITECT.

I. WHERE ANY INSPECTIONS OR TESTING OF EXISTING OR NEWLY INSTALLED WORK ARE REQUIRED BY THE ARCHITECT, OWNER, CONSTRUCTION MANAGER OR AUTHORITY

THE DEMOLITION AND INSTALLATION PROCESS, AND IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF BUILDING ELEMENTS OR FINISHES REMOVED OR DAMAGED DURING PERFORMANCE OF THE SCOPE OF WORK.

HAVING JURISDICTION, THAT WORK MUST NOT BE INSULATED OR CONCEALED UNTIL ALL INSPECTIONS AND/OR TESTS ARE COMPLETED AND ACCEPTED.

PIPING INDICATED TO BE REMOVED SHALL BE REMOVED ALL THE WAY BACK TO ACTIVE MAIN PIPING AND CAPPED, OR REMOVED BACK TO THE POINTS WHERE CONNECTION WILL BE MADE TO NEW WORK.

THIS CONTRACTOR IS RESPONSIBLE FOR COMPLETELY COORDINATING WORK OF MECHANICAL SCOPE WITH ARCHITECTURAL, STRUCTURAL, AND ALL OTHER TRADES, BASED UPON FIELD CONDITIONS AND CONTRACT DOCUMENTS OF OTHER TRADES. WHERE REQUIRED FOR ACCESS TO VALVES AND MECHANICAL OR CONTROL SYSTEM COMPONENTS, ACCESS PANELS SHALL BE PROVIDED BY THIS CONTRACTOR, AND LOCATIONS FOR THESE ARE TO BE COORDINATED CLOSELY WITH THE GENERAL CONTRACTOR AND CONSTRUCTION MANAGER.

REFER TO PIPING DIAGRAMS AND PIPING SYSTEM SCHEMATIC DIAGRAMS, AND OTHER DETAILS PROVIDED HEREIN, FOR SYSTEM AND PIPING ARRANGEMENTS, PIPING SIZES, AND OTHER COMPONENTS, WHICH MAY NOT NECESSARILY BE DISPLAYED ON PLANS. DIAGRAMS MAY NOT SHOW ALL FITTINGS AND ALL TYPES OF FITTINGS NEEDED; THE CONTRACTOR IS REQUIRED.

HORIZONTAL PIPING SHALL BE INSTALLED AS HIGH AS PRACTICAL, INCLUDING OFFSETS NECESSARY TO AVOID INTERFERENCES WITH WORK OF OTHER TRADES AND EXISTING ELEMENTS. WET PIPING SHALL NOT BE INSTALLED IN OUTDOOR WALLS OR PLENUM SPACES SUBJECT TO FREEZING, AND SHALL NOT BE RUN THROUGH, OR ABOVE, ROOMS CONTAINING EQUIPMENT SUCH AS

ELECTRICAL GEAR AND PANELS. ELEVATOR SHAFTS AND ELEVATOR EQUIPMENT ROOMS, IT AND COMMUNICATIONS EQUIPMENT ROOMS.

INSTALL EQUIPMENT DRAINAGE PIPING WITH MINIMUM SLOPE FOR PROPER GRAVITY DRAINAGE AT 1/4 INCH PER FOOT, AND IN ACCORDANCE WITH OHIO PLUMBING CODE (2017), OHIO MECHANICAL CODE (2017) AND SHALL BE FULL SIZE OF CONNECTION.

PROVIDE SLEEVES AT ALL BUILDING WALL, FLOOR OR ROOF PENETRATIONS, INCLUDING FIRE STOPPING WERE REQUIRED (REFER TO DIVISION 7 SPECIFICATIONS). SLEEVES SHALL BE MINIMUM TWO NOMINAL SIZES LARGER THAN PIPE. SEAL ANY ROOF OR WALL PENETRATION AND PROVIDE FLASHING AND COUNTER FLASHING WHERE REQUIRED AT EXTERIORS. FLASHING PROVIDED AT ROOF PENETRATIONS SHALL BE MINIMUM 14 INCHES ABOVE ROOF.

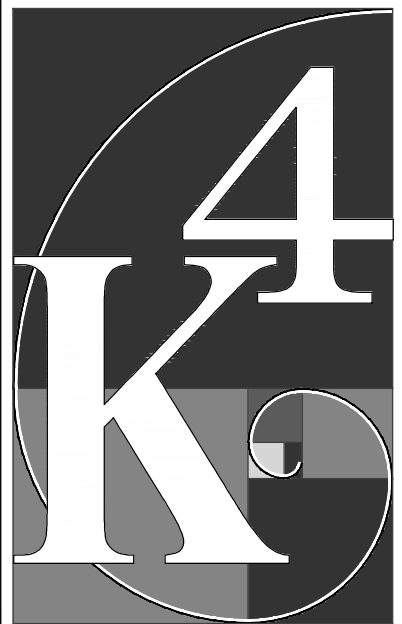
PROVIDE MECHANICAL EQUIPMENT, COMPONENTS AND ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS AND OHIO MECHANICAL CODE (2017). THIS CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY COMPONENTS, FITTINGS, ADAPTERS FOR FINAL CONNECTIONS FOR ALL EQUIPMENT RESULTING IN PROPER INSTALLATION AND OPERATION.

MECHANICAL LEGEND

AV	AIR VENT
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HHWR	HEATING HOT WATER RETURN
RD	ROOF DRAIN
TDV	TRIPLE-DUTY VALVE
VTR	VENT THROUGH ROOF

MECHANICAL SYMBOLS

	PIPING SLOPE DIRECTION
	CONNECTION POINT
	BALL VALVE
	GATE VALVE
	BUTTERFLY VALVE
	UNION OR COUPLING
	PRESSURE GAGE
	TEMPERATURE GAGE
	PRESSURE INDEPENDENT CONTROL VALVE
	LINEAR SLOT DIFFUSER
	4-WAY SUPPLY DIFFUSER
	SUPPLY REGISTER
	SIDEWALL SUPPLY REGISTER
	RETURN/EXHAUST GRILLE



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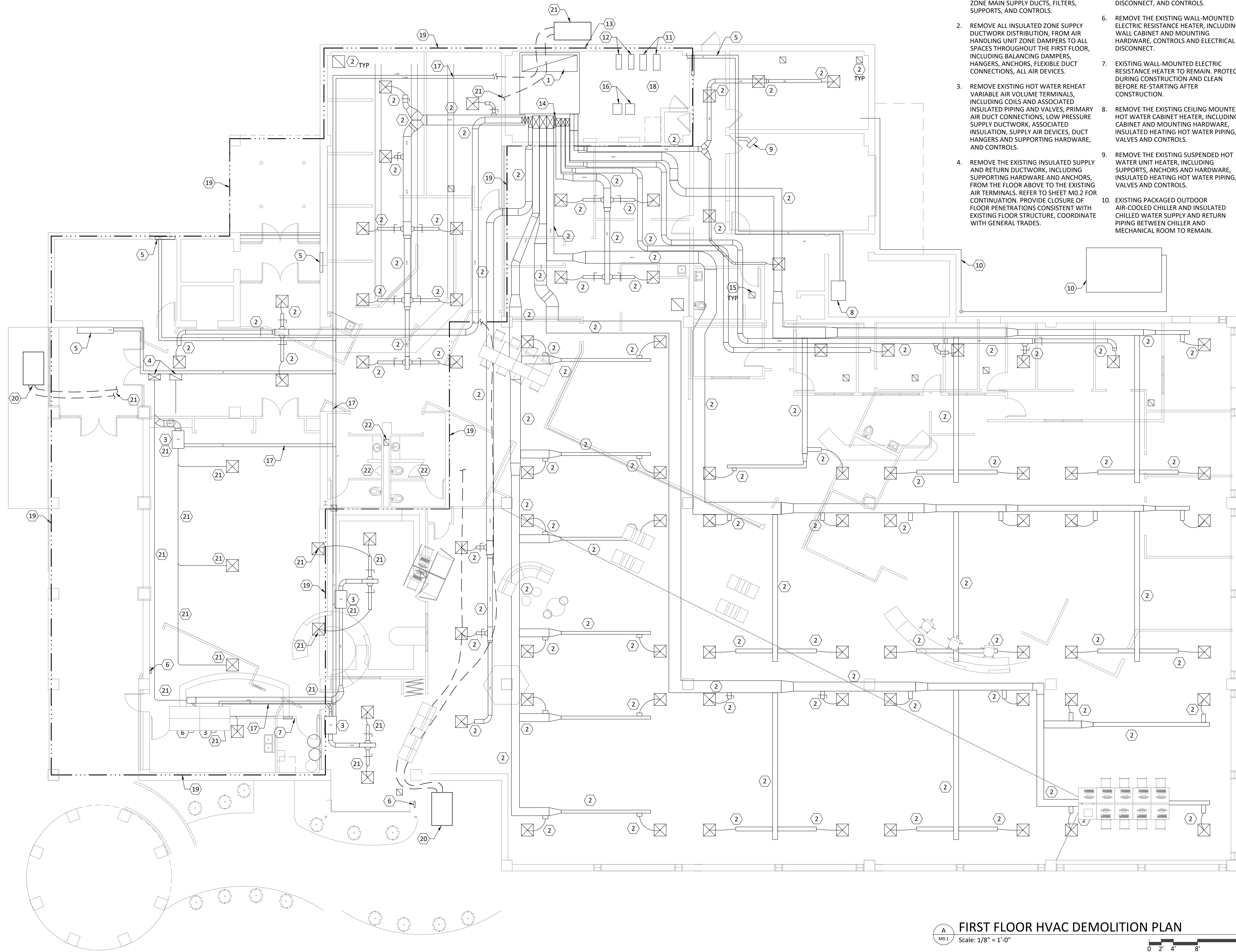
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HVAC
NOTES AND
LEGENDS

Drawn By: TK, BBJ, MW
Scale: AS NOTED
Job No.: 22-2038

M0.0



NOTES

1. COMPLETELY DEMOLISH AND REMOVE THE EXISTING MULTI-ZONE AIR HANDLING UNIT, INCLUDING COILS, INSULATED PIPING TO THE COILS, RETURN DUCTWORK TO SPACES AND OUTDOOR AIR INTAKE DUCTWORK, ZONE MAIN SUPPLY DUCTS, FILTERS, SUPPORTS, AND CONTROLS.
2. REMOVE ALL INSULATED ZONE SUPPLY DUCTWORK DISTRIBUTION, FROM AIR HANDLING UNIT ZONE DAMPERS TO ALL SPACES THROUGHOUT THE FIRST FLOOR, INCLUDING BALANCING DAMPERS, HANGERS, ANCHORS, FLEXIBLE DUCT CONNECTIONS, ALL AIR DEVICES.
3. REMOVE EXISTING HOT WATER REHEAT VARIABLE AIR VOLUME TERMINALS, INCLUDING COILS AND ASSOCIATED INSULATED PIPING AND VALVES, PRIMARY AIR DUCT CONNECTIONS, LOW PRESSURE SUPPLY DUCTWORK, ASSOCIATED INSULATION, SUPPLY AIR DEVICES, DUCT HANGERS AND SUPPORTING HARDWARE, AND CONTROLS.
4. REMOVE THE EXISTING INSULATED SUPPLY AND RETURN DUCTWORK, INCLUDING SUPPORTING HARDWARE AND ANCHORS, FROM THE FLOOR ABOVE TO THE EXISTING AIR TERMINALS. REFER TO SHEET M0.2 FOR CONTINUATION. PROVIDE CLOSURE OF FLOOR PENETRATIONS CONSISTENT WITH EXISTING FLOOR STRUCTURE, COORDINATE WITH GENERAL TRADES.
5. REMOVE THE EXISTING WALL-MOUNTED HOT WATER CABINET HEATERS, INCLUDING WALL CABINETS AND MOUNTING HARDWARE, INSULATED HEATING HOT WATER PIPING, VALVES, ELECTRICAL DISCONNECT, AND CONTROLS.
6. REMOVE THE EXISTING WALL-MOUNTED ELECTRIC RESISTANCE HEATER, INCLUDING WALL CABINET AND MOUNTING HARDWARE, CONTROLS AND ELECTRICAL DISCONNECT.
7. EXISTING WALL-MOUNTED ELECTRIC RESISTANCE HEATER TO REMAIN. PROTECT DURING CONSTRUCTION AND CLEAN BEFORE RE-STARTING AFTER CONSTRUCTION.
8. REMOVE THE EXISTING CEILING MOUNTED HOT WATER CABINET HEATER, INCLUDING CABINET AND MOUNTING HARDWARE, INSULATED HEATING HOT WATER PIPING, VALVES AND CONTROLS.
9. REMOVE THE EXISTING SUSPENDED HOT WATER UNIT HEATER, INCLUDING SUPPORTS, ANCHORS AND HARDWARE, INSULATED HEATING HOT WATER PIPING, VALVES AND CONTROLS.
10. EXISTING PACKAGED OUTDOOR AIR-COOLED CHILLER AND INSULATED CHILLED WATER SUPPLY AND RETURN PIPING BETWEEN CHILLER AND MECHANICAL ROOM TO REMAIN.
11. EXISTING END-SUCTION CHILLED WATER PUMPS TO REMAIN.
12. REMOVE EXISTING END-SUCTION BUILDING HEATING HOT WATER PUMPS, INCLUDING EXISTING STARTERS. REFER TO DETAILS.
13. REMOVE EXISTING SHEET-METAL PLENUM AND PLYWOOD MASKING FROM BEHIND EXISTING LOUVER. CLEAN LOUVER AND SEAL FRAME AGAINST BUILDING WALL.
14. CAREFULLY REMOVE THE EXISTING I-WAVE ELECTRONIC AIR CLEANING DEVICES, INCLUDING ELECTRICAL CIRCUITS AND RACEWAYS (QUANTITY 4) AND STORE FOR REINSTALLATION.
15. REMOVE EXISTING CEILING RETURNS, REGISTERS AND GRILLES, TRANSFER GRILLES AND ASSOCIATED DUCTS, THROUGHOUT THE SPACES.
16. EXISTING GAS-FIRED CONDENSING HEATING HOT WATER BOILERS TO REMAIN. PROTECT DURING CONSTRUCTION.
17. COMPLETELY REMOVE ALL EXISTING INSULATED HEATING HOT WATER SUPPLY AND RETURN PIPING, INCLUDING HANGERS AND ANCHORS, FROM THE MECHANICAL ROOM OUT INTO THE SPACE TO ALL EXISTING CABINET HEATERS AND HOT WATER REHEAT AIR TERMINALS.
18. REFER TO SHEET M3.1 OR DETAILED SCOPE OF WORK WITHIN THE EXISTING MECHANICAL ROOM.
19. THE AREA OUTLINED WILL BE TEMPORARILY OCCUPIED BY THE OWNER DURING CONSTRUCTION. COORDINATE THE SCOPE AND SEQUENCE OF DEMOLITION CLOSELY WITH THE CONSTRUCTION MANAGER, OWNER, AND OTHER TRADES BEFORE BEGINNING ANY SYSTEM OUTAGE OR REMOVALS. REFER TO SPECIFICATIONS AND ARCHITECTURAL PLANS.
20. CONTRACTOR TO SUBMIT FOR REVIEW A PLAN FOR TEMPORARY HVAC TO MAINTAIN CONDITIONS FOR CONTINUED TEMPORARY OCCUPANCY AND USAGE OF SPACE BY THE OWNER AND PUBLIC, BASED UPON THE USE OF PORTABLE PACKAGED UNITS PLACED TEMPORARILY IN THE APPROXIMATE LOCATION SHOWN. REFER TO THE SPECIFICATION FOR RETAINED TEMPORARY OCCUPANCY.
21. EXISTING MAIN DUCTS, TERMINAL UNITS, DISTRIBUTION AND AIR DEVICES ARE TO BE AVAILABLE FOR CONTINUED USE THROUGHOUT THE TEMPORARY OCCUPANCY PERIOD, CONNECTED TO TEMPORARY PORTABLE PACKAGED UNITS. TERMINAL UNITS TO BE HELD OPEN AND NO LONGER UNDER THE EXISTING CONTROL OF THE EXISTING BUILDING AUTOMATION SYSTEM. REFER TO THE SPECIFICATION FOR RETAINED TEMPORARY OCCUPANCY.
22. EXISTING TO REMAIN, NO WORK THESE ROOMS.

A
M0.1

FIRST FLOOR HVAC DEMOLITION PLAN

Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'



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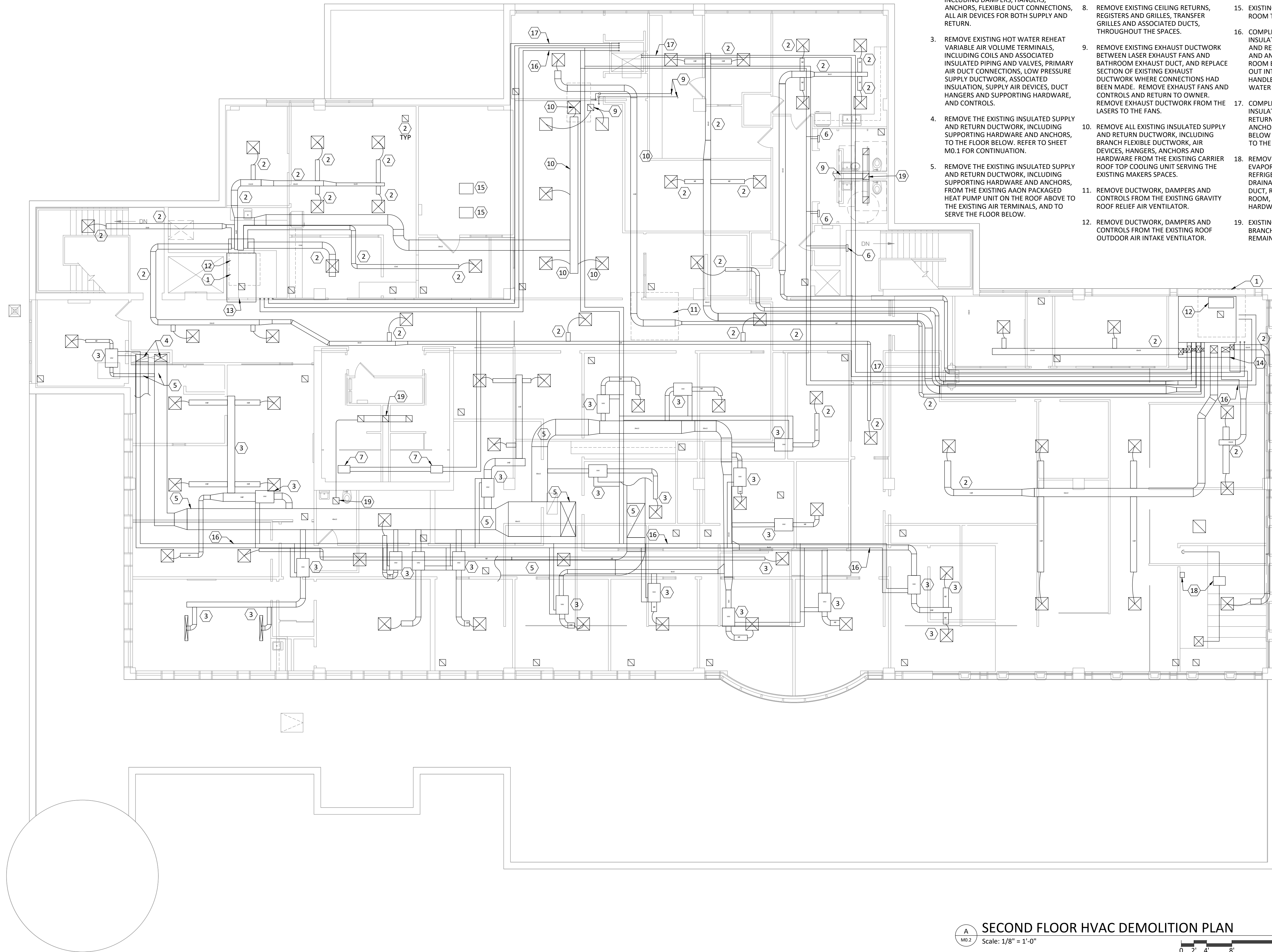
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FIRST FLOOR
HVAC
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Drawn By: TK, BBJ, MW
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M0.1



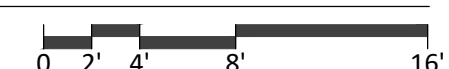
NOTES

1. COMPLETELY DEMOLISH AND REMOVE THE EXISTING MULTI-ZONE AIR HANDLING UNIT, INCLUDING COILS, INSULATED PIPING TO THE COILS, RETURN AND OUTDOOR AIR DUCTWORK, ZONE MAIN SUPPLY DUCTS, FILTERS, SUPPORTS, AND CONTROLS.
2. REMOVE ALL INSULATED ZONE SUPPLY DUCTWORK DISTRIBUTION, FROM AIR HANDLING UNIT ZONES TO ALL SPACES THROUGHOUT THE FIRST FLOOR, INCLUDING DAMPERS, HANGERS, ANCHORS, FLEXIBLE DUCT CONNECTIONS, ALL AIR DEVICES FOR BOTH SUPPLY AND RETURN.
3. REMOVE EXISTING HOT WATER REHEAT VARIABLE AIR VOLUME TERMINALS, INCLUDING COILS AND ASSOCIATED INSULATED PIPING AND VALVES, PRIMARY AIR DUCT CONNECTIONS, LOW PRESSURE SUPPLY DUCTWORK, ASSOCIATED INSULATION, SUPPLY AIR DEVICES, DUCT HANGERS AND SUPPORTING HARDWARE, AND CONTROLS.
4. REMOVE THE EXISTING INSULATED SUPPLY AND RETURN DUCTWORK, INCLUDING SUPPORTING HARDWARE AND ANCHORS, TO THE FLOOR BELOW. REFER TO SHEET M0.1 FOR CONTINUATION.
5. REMOVE THE EXISTING INSULATED SUPPLY AND RETURN DUCTWORK, INCLUDING SUPPORTING HARDWARE AND ANCHORS, FROM THE EXISTING AAOH PACKAGED HEAT PUMP UNIT ON THE ROOF ABOVE TO THE EXISTING AIR TERMINALS, AND TO SERVE THE FLOOR BELOW.
6. REMOVE THE EXISTING WALL-MOUNTED HOT WATER CABINET HEATERS, INCLUDING WALL CABINETS AND MOUNTING HARDWARE, INSULATED HEATING HOT WATER PIPING, VALVES AND CONTROLS.
7. REMOVE THE EXISTING CEILING MOUNTED HOT WATER CABINET HEATER, INCLUDING CABINET AND MOUNTING HARDWARE, INSULATED HEATING HOT WATER PIPING, VALVES AND CONTROLS.
8. REMOVE EXISTING CEILING RETURNS, REGISTERS AND GRILLES, TRANSFER GRILLES AND ASSOCIATED DUCTS, THROUGHOUT THE SPACES.
9. REMOVE EXISTING EXHAUST DUCTWORK BETWEEN LASER EXHAUST FANS AND BATHROOM EXHAUST DUCT, AND REPLACE SECTION OF EXISTING EXHAUST DUCTWORK WHERE CONNECTIONS HAD BEEN MADE. REMOVE EXHAUST FANS AND CONTROLS AND RETURN TO OWNER REMOVE EXHAUST DUCTWORK FROM THE LASERS TO THE FANS.
10. REMOVE ALL EXISTING INSULATED SUPPLY AND RETURN DUCTWORK, INCLUDING BRANCH FLEXIBLE DUCTWORK, AIR DEVICES, HANGERS, ANCHORS AND HARDWARE FROM THE EXISTING CARRIER ROOF TOP COOLING UNIT SERVING THE EXISTING MAKERS SPACES.
11. REMOVE DUCTWORK, DAMPERS AND CONTROLS FROM THE EXISTING GRAVITY ROOF RELIEF AIR VENTILATOR.
12. REMOVE DUCTWORK, DAMPERS AND CONTROLS FROM THE EXISTING ROOF OUTDOOR AIR INTAKE VENTILATOR.
13. CAREFULLY REMOVE THE EXISTING I-WAVE ELECTRONIC AIR CLEANING DEVICE, INCLUDING ELECTRICAL CIRCUITS AND RACEWAYS AND STORE FOR REINSTALLATION.
14. CAREFULLY REMOVE THE EXISTING I-WAVE ELECTRONIC AIR CLEANING DEVICES (QUANTITY 2), INCLUDING ELECTRICAL CIRCUITS AND RACEWAYS AND STORE FOR REINSTALLATION.
15. EXISTING COOLING UNITS SERVING THE IT ROOM TO REMAIN.
16. COMPLETELY REMOVE ALL EXISTING INSULATED HEATING HOT WATER SUPPLY AND RETURN PIPING, INCLUDING HANGERS AND ANCHORS, FROM THE MECHANICAL ROOM BELOW TO THE SECOND FLOOR AND OUT INTO THE SPACE TO ALL EXISTING AIR HANDLERS, CABINET HEATERS AND HOT WATER REHEAT AIR TERMINALS.
17. COMPLETELY REMOVE ALL EXISTING INSULATED CHILLED WATER SUPPLY AND RETURN PIPING, INCLUDING HANGERS AND ANCHORS, FROM THE MECHANICAL ROOM BELOW TO THE SECOND FLOOR AND OUT TO THE EXISTING AIR HANDLERS.
18. REMOVE THE EXISTING SPLIT SYSTEM EVAPORATOR UNIT, INCLUDING REFRIGERANT PIPING, CONDENSATE DRAINAGE, CONTROLS, INSULATED SUPPLY DUCT, RETURN DUCT, AIR DEVICES IN THIS ROOM, AND ASSOCIATED SUPPORTS, HARDWARE AND ANCHORS.
19. EXISTING EXHAUST DUCT RISER, EXHAUST BRANCH DUCTWORK AND AIR DEVICES, TO REMAIN.



SECOND FLOOR HVAC DEMOLITION PLAN

Scale: 1/8" = 1'-0"



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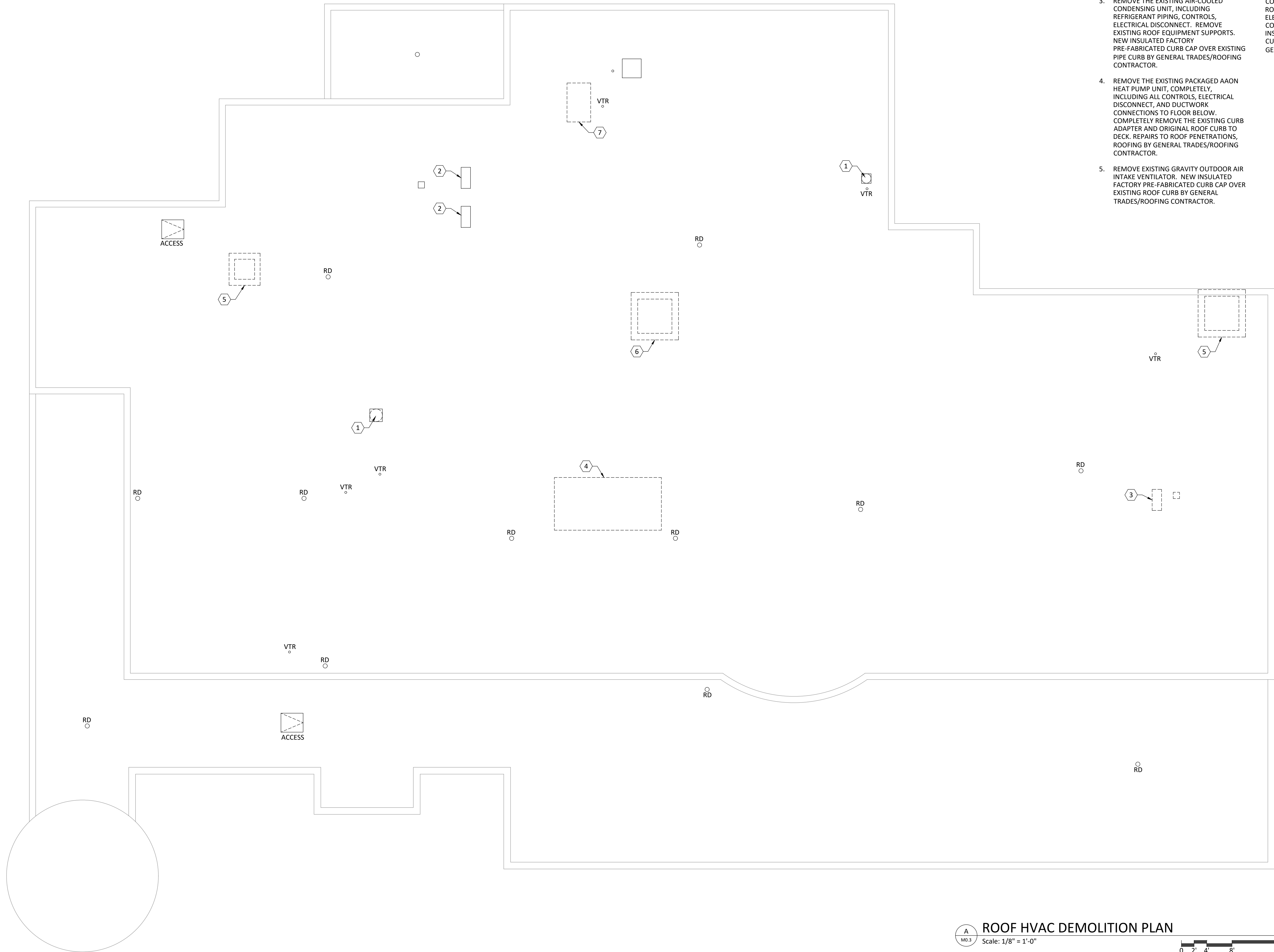
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SECOND FLOOR
HVAC
DEMOLITION PLAN

Drawn By: TK, BBJ, MW
Scale: AS NOTED
Job No.: 22-2038

M0.2



NOTES

1. REMOVE EXISTING DOWN-BLAST TOILET ROOM EXHAUST FAN, MAINTAIN CURB AND ELECTRICAL POWER FOR CONNECTION TO NEW FAN.
2. EXISTING AIR-COOLED CONDENSING UNITS, REFRIGERANT PIPING AND CONTROLS, TO REMAIN.
3. REMOVE THE EXISTING AIR-COOLED CONDENSING UNIT, INCLUDING REFRIGERANT PIPING, CONTROLS, ELECTRICAL DISCONNECT. REMOVE EXISTING ROOF EQUIPMENT SUPPORTS. NEW INSULATED FACTORY PRE-FABRICATED CURB CAP OVER EXISTING PIPE CURB BY GENERAL TRADES/ROOFING CONTRACTOR.
4. REMOVE THE EXISTING PACKAGED AAOON HEAT PUMP UNIT, COMPLETELY, INCLUDING ALL CONTROLS, ELECTRICAL DISCONNECT, AND DUCTWORK CONNECTIONS TO FLOOR BELOW. COMPLETELY REMOVE THE EXISTING CURB ADAPTER AND ORIGINAL ROOF CURB TO DECK. REPAIRS TO ROOF PENETRATIONS, ROOFING BY GENERAL TRADES/ROOFING CONTRACTOR.
5. REMOVE EXISTING GRAVITY OUTDOOR AIR INTAKE VENTILATOR. NEW INSULATED FACTORY PRE-FABRICATED CURB CAP OVER EXISTING ROOF CURB BY GENERAL TRADES/ROOFING CONTRACTOR.
6. REMOVE EXISTING ROOF GRAVITY RELIEF VENTILATOR. INSULATED FACTORY PRE-FABRICATED CURB CAP OVER EXISTING ROOF CURB BY GENERAL TRADES/ROOFING CONTRACTOR.
7. REMOVE THE EXISTING PACKAGED CARRIER SUPPLEMENTAL COOLING UNIT, COMPLETELY, INCLUDING ALL CONTROLS, ROOM THERMOSTAT IN SPACE BELOW, ELECTRICAL DISCONNECT, AND DUCTWORK CONNECTIONS TO FLOOR BELOW. INSULATED FACTORY PRE-FABRICATED CURB CAP OVER EXISTING ROOF CURB BY GENERAL TRADES/ROOFING CONTRACTOR.



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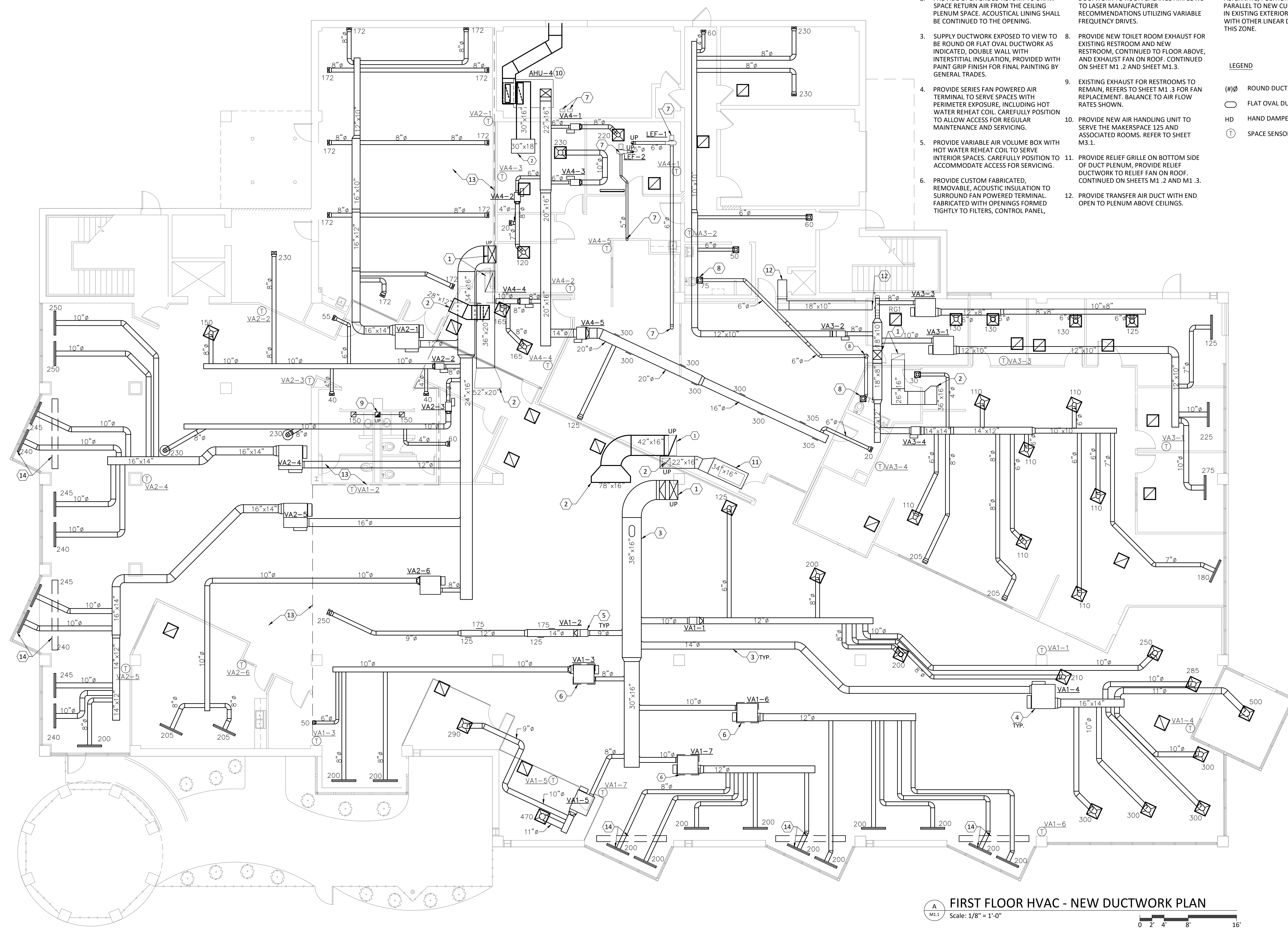
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ROOF HVAC DEMOLITION PLAN	
Drawn By:	TK, BBJ, MW
Scale:	AS NOTED
Job No.:	22-2038

M0.3



- # HVAC KEYED NOTES
1. PROVIDE INSULATED SUPPLY MAIN DUCTS AND RETURN MAIN DUCTS FROM THE UNITS ON THE ROOF. REFER TO SHEET M1.2 FOR CONTINUATION. PROVIDE INTERNAL ACOUSTICAL LINING FOR RETURN DUCTWORK.
 2. PROVIDE OPEN ENDED RETURN TO DRAW SPACE RETURN AIR FROM THE CEILING PLENUM SPACE. ACOUSTICAL LINING SHALL BE CONTINUED TO THE OPENING.
 3. SUPPLY DUCTWORK EXPOSED TO VIEW TO BE ROUND OR FLAT OVAL DUCTWORK AS INDICATED, DOUBLE WALL WITH INTERSTITIAL INSULATION, PROVIDED WITH PAINT GRIP FINISH FOR FINAL PAINTING BY GENERAL TRADES.
 4. PROVIDE SERIES FAN POWERED AIR TERMINAL TO SERVE SPACES WITH PERIMETER EXPOSURE, INCLUDING HOT WATER REHEAT COIL. CAREFULLY POSITION TO ALLOW ACCESS FOR REGULAR MAINTENANCE AND SERVICING.
 5. PROVIDE VARIABLE AIR VOLUME BOX WITH HOT WATER REHEAT COIL TO SERVE INTERIOR SPACES. CAREFULLY POSITION TO ACCOMMODATE ACCESS FOR SERVICING.
 6. PROVIDE CUSTOM FABRICATED, REMOVABLE, ACOUSTIC INSULATION TO SURROUND FAN POWERED TERMINAL. FABRICATED WITH OPENINGS FORMED TIGHTLY TO FILTERS, CONTROL PANEL, DUCT CONNECTIONS AND REHEAT COIL CONNECTIONS.
 7. PROVIDE EXHAUST FAN ABOVE CEILING TO DRAW FROM THE EXISTING LASER UNITS IN MAKERSPACE 125. REFER TO SHEET M1.2 FOR CONTINUATION OF DISCHARGE DUCTWORK TO ROOF. BALANCE AIRFLOWS TO LASER MANUFACTURER RECOMMENDATIONS UTILIZING VARIABLE FREQUENCY DRIVES.
 8. PROVIDE NEW TOILET ROOM EXHAUST FOR EXISTING RESTROOM AND NEW RESTROOM, CONTINUED TO FLOOR ABOVE, AND EXHAUST FAN ON ROOF. CONTINUED ON SHEET M1.2 AND SHEET M1.3.
 9. EXISTING EXHAUST FOR RESTROOMS TO REMAIN, REFERS TO SHEET M1.3 FOR FAN REPLACEMENT. BALANCE TO AIR FLOW RATES SHOWN.
 10. PROVIDE NEW AIR HANDLING UNIT TO SERVE THE MAKERSPACE 125 AND ASSOCIATED ROOMS. REFER TO SHEET M3.1.
 11. PROVIDE RELIEF GRILLE ON BOTTOM SIDE OF DUCT PLENUM, PROVIDE RELIEF DUCTWORK TO RELIEF FAN ON ROOF. CONTINUED ON SHEETS M1.2 AND M1.3.
 12. PROVIDE TRANSFER AIR DUCT WITH END OPEN TO PLENUM ABOVE CEILINGS.
 13. PHASING: PROVIDE WORK ACCORDING TO PHASING WITHIN THE AREA SHOWN WEST OF THIS LINE, WHICH REPRESENTS A TEMPORARY OCCUPANCY ZONE. REFER TO SHEETS PH001, PH002, PH003.
 14. BID ALTERNATE: FOR DEDUCT BID ALTERNATE, POSITION LINEAR DIFFUSERS PARALLEL TO NEW CURTAINWALL SYSTEM IN EXISTING EXTERIOR WALL, ALIGNED WITH OTHER LINEAR DIFFUSERS SERVING THIS ZONE.

- LEGEND
- (#)Ø ROUND DUCT
 - FLAT OVAL DUCT
 - HD HAND DAMPER
 - ① SPACE SENSOR

FIRST FLOOR HVAC - NEW DUCTWORK PLAN
Scale: 1/8" = 1'-0"

NOTE: REFER TO PLUMBING TITLE SHEET P0.0 FOR PLUMBING LEGEND AND GENERAL NOTES FOR THIS SHEET.

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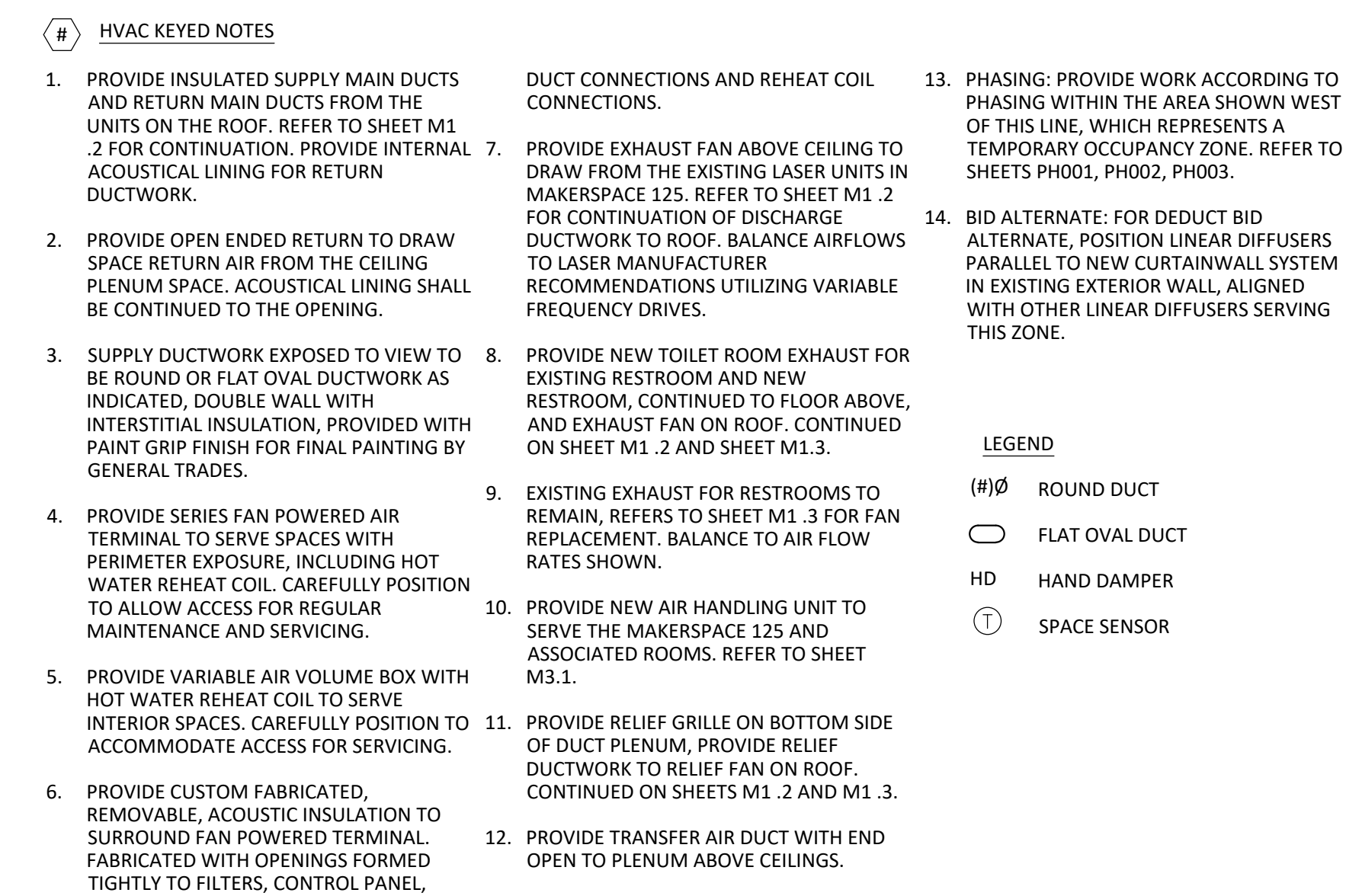
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FIRST FLOOR
HVAC
NEW DUCTWORK

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SECOND FLOOR HVAC - NEW DUCTWORK PLAN



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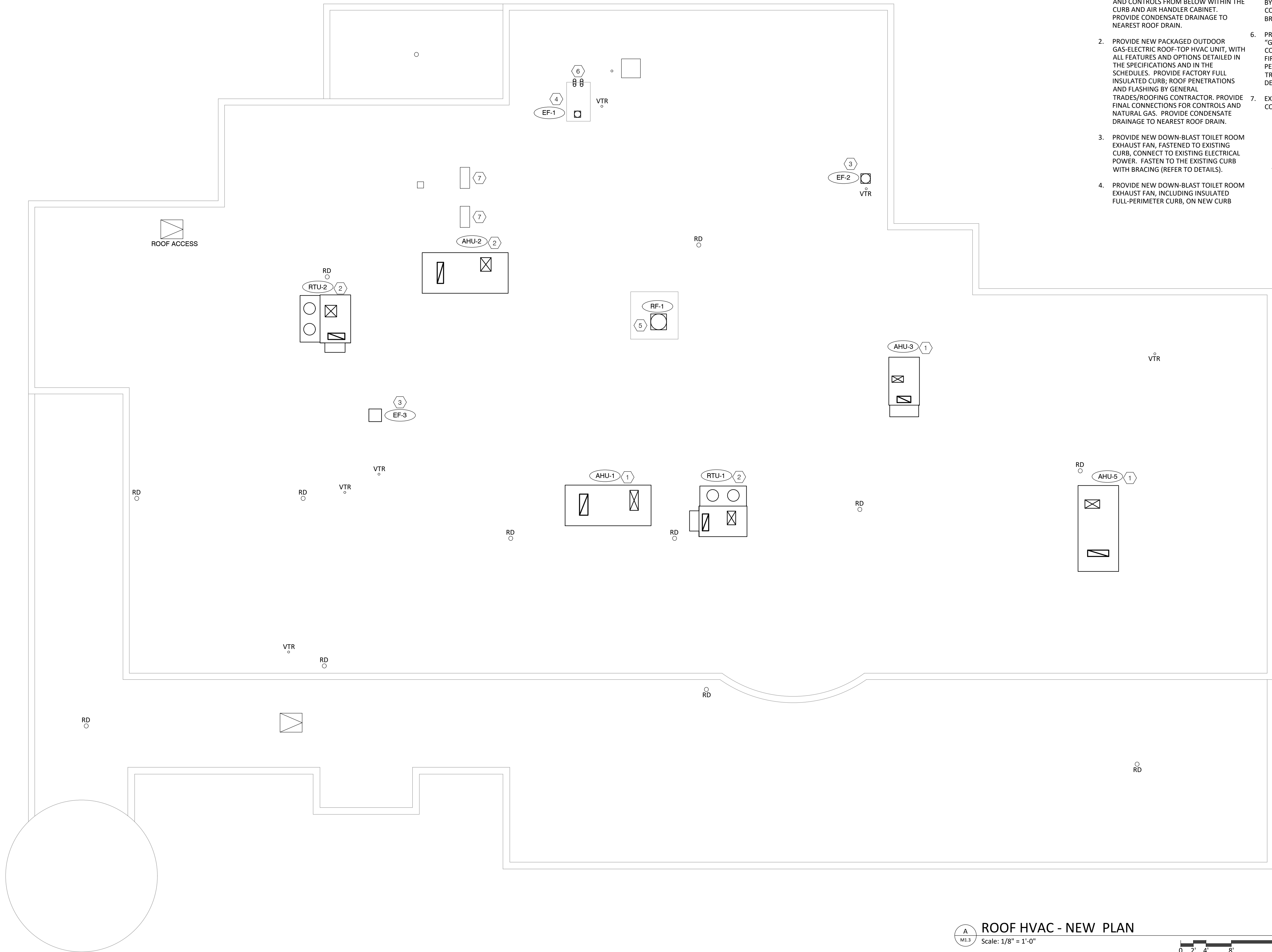
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SECOND FLOOR
HVAC
NEW DUCTWORK

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M1.2



NOTES

1. PROVIDE NEW PACKAGED OUTDOOR AIR HANDLING UNIT, WITH ALL FEATURES AND OPTIONS DETAILED IN THE SPECIFICATIONS AND IN THE SCHEDULES. PROVIDE FACTORY FULL INSULATED CURB; ROOF PENETRATIONS AND FLASHING BY GENERAL TRADES/ROOFING CONTRACTOR. PROVIDE FINAL CONNECTIONS FOR CHILLED WATER, HEATING HOT WATER AND CONTROLS FROM BELOW WITHIN THE CURB AND AIR HANDLER CABINET. PROVIDE CONDENSATE DRAINAGE TO NEAREST ROOF DRAIN.
 2. PROVIDE NEW PACKAGED OUTDOOR GAS-ELECTRIC ROOF-TOP HVAC UNIT, WITH ALL FEATURES AND OPTIONS DETAILED IN THE SPECIFICATIONS AND IN THE SCHEDULES. PROVIDE FACTORY FULL INSULATED CURB; ROOF PENETRATIONS AND FLASHING BY GENERAL TRADES/ROOFING CONTRACTOR. PROVIDE FINAL CONNECTIONS FOR CONTROLS AND NATURAL GAS. PROVIDE CONDENSATE DRAINAGE TO NEAREST ROOF DRAIN.
 3. PROVIDE NEW DOWN-BLAST TOILET ROOM EXHAUST FAN, FASTENED TO EXISTING CURB, CONNECT TO EXISTING ELECTRICAL POWER. FASTEN TO THE EXISTING CURB WITH BRACING (REFER TO DETAILS).
 4. PROVIDE NEW DOWN-BLAST TOILET ROOM EXHAUST FAN, INCLUDING INSULATED FULL-PERIMETER CURB, ON NEW CURB
 5. PROVIDE NEW DOWN-BLAST RELIEF AIR EXHAUST FAN, INCLUDING INSULATED FULL-PERIMETER CURB, ON NEW CURB CAP; PENETRATION AND ROOF FLASHING BY GENERAL TRADES/ROOFING CONTRACTOR. FASTEN TO CURB WITH BRACING (REFER TO DETAILS).
 6. PROVIDE EXHAUST DUCT DISCHARGE "GOOSENECKS", INCLUDING STORM COLLAR, FROM LASER EXHAUST FANS ON FIRST FLOOR, ON NEW CURB CAP; PENETRATION AND FLASHING BY GENERAL TRADES/ROOFING CONTRACTOR. REFER TO DETAIL.
 7. EXISTING IT SERVER ROOM AIR CONDITIONING UNIT TO REMAIN.
- LEGEND
- RD ROOF DRAIN LOCATION
- VTR EXISTING VENT THROUGH ROOF



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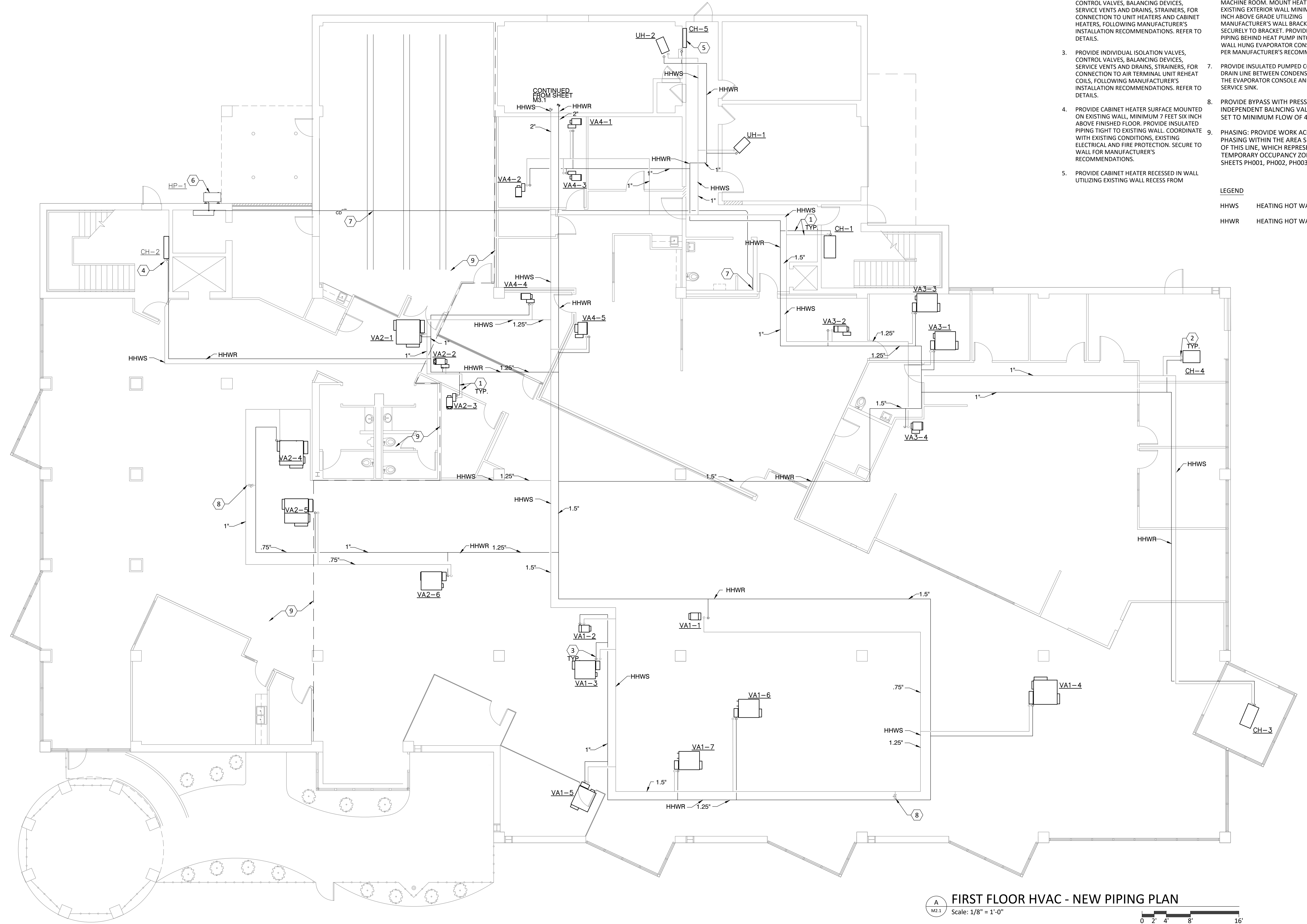
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ROOF
HVAC
NEW PLAN

Drawn By:	TK, BBJ, MW
Scale:	AS NOTED
Job No.:	22-2038

M1.3



HVAC PIPING PLAN KEYED NOTES

1. PROVIDE INSULATED BRANCH HEATING HOT WATER SUPPLY AND RETURN PIPING TO CABINET HEATERS, UNIT HEATERS, AIR TERMINALS, 3/4 INCH PIPING DIAMETER UNLESS OTHERWISE NOTED ON PLANS.
2. PROVIDE INDIVIDUAL ISOLATION VALVES, CONTROL VALVES, BALANCING DEVICES, SERVICE VENTS AND DRAINS, STRAINERS, FOR CONNECTION TO UNIT HEATERS AND CABINET HEATERS, FOLLOWING MANUFACTURER'S INSTALLATION RECOMMENDATIONS. REFER TO DETAILS.
3. PROVIDE INDIVIDUAL ISOLATION VALVES, CONTROL VALVES, BALANCING DEVICES, SERVICE VENTS AND DRAINS, STRAINERS, FOR CONNECTION TO AIR TERMINAL UNIT REHEAT COILS, FOLLOWING MANUFACTURER'S INSTALLATION RECOMMENDATIONS. REFER TO DETAILS.
4. PROVIDE CABINET HEATER SURFACE MOUNTED ON EXISTING WALL, MINIMUM 7 FEET SIX INCH ABOVE FINISHED FLOOR. PROVIDE INSULATED PIPING TIGHT TO EXISTING WALL. COORDINATE WITH EXISTING CONDITIONS, EXISTING ELECTRICAL AND FIRE PROTECTION. SECURE TO WALL FOR MANUFACTURER'S RECOMMENDATIONS.
5. PROVIDE CABINET HEATER RECESSED IN WALL UTILIZING EXISTING WALL RECESS FROM
6. PROVIDE DUCTLESS HEAT PUMP SYSTEM FOR HEATING AND COOLING TO THE ELEVATOR MACHINE ROOM. MOUNT HEAT PUMP TO EXISTING EXTERIOR WALL MINIMUM 7 FEET SIX INCH ABOVE GRADE UTILIZING MANUFACTURER'S WALL BRACKETS. FASTEN SECURELY TO BRACKET. PROVIDE REFRIGERANT PIPING BEHIND HEAT PUMP INTO THE INDOOR WALL HUNG EVAPORATOR CONSOLE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
7. PROVIDE INSULATED PUMPED CONDENSATE DRAIN LINE BETWEEN CONDENSATE PUMP IN THE EVAPORATOR CONSOLE AND EXISTING SERVICE SINK.
8. PROVIDE BYPASS WITH PRESSURE INDEPENDENT BALNCING VALVE, UNIONS. SET TO MINIMUM FLOW OF 4 GPM.
9. PHASING: PROVIDE WORK ACCORDING TO PHASING WITHIN THE AREA SHOWN WEST OF THIS LINE, WHICH REPRESENTS A TEMPORARY OCCUPANCY ZONE. REFER TO SHEETS PH001, PH002, PH003.

LEGEND

- HHWS HEATING HOT WATER SUPPLY
HHWR HEATING HOT WATER RETURN



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FIRST FLOOR
HVAC
NEW PIPING PLAN

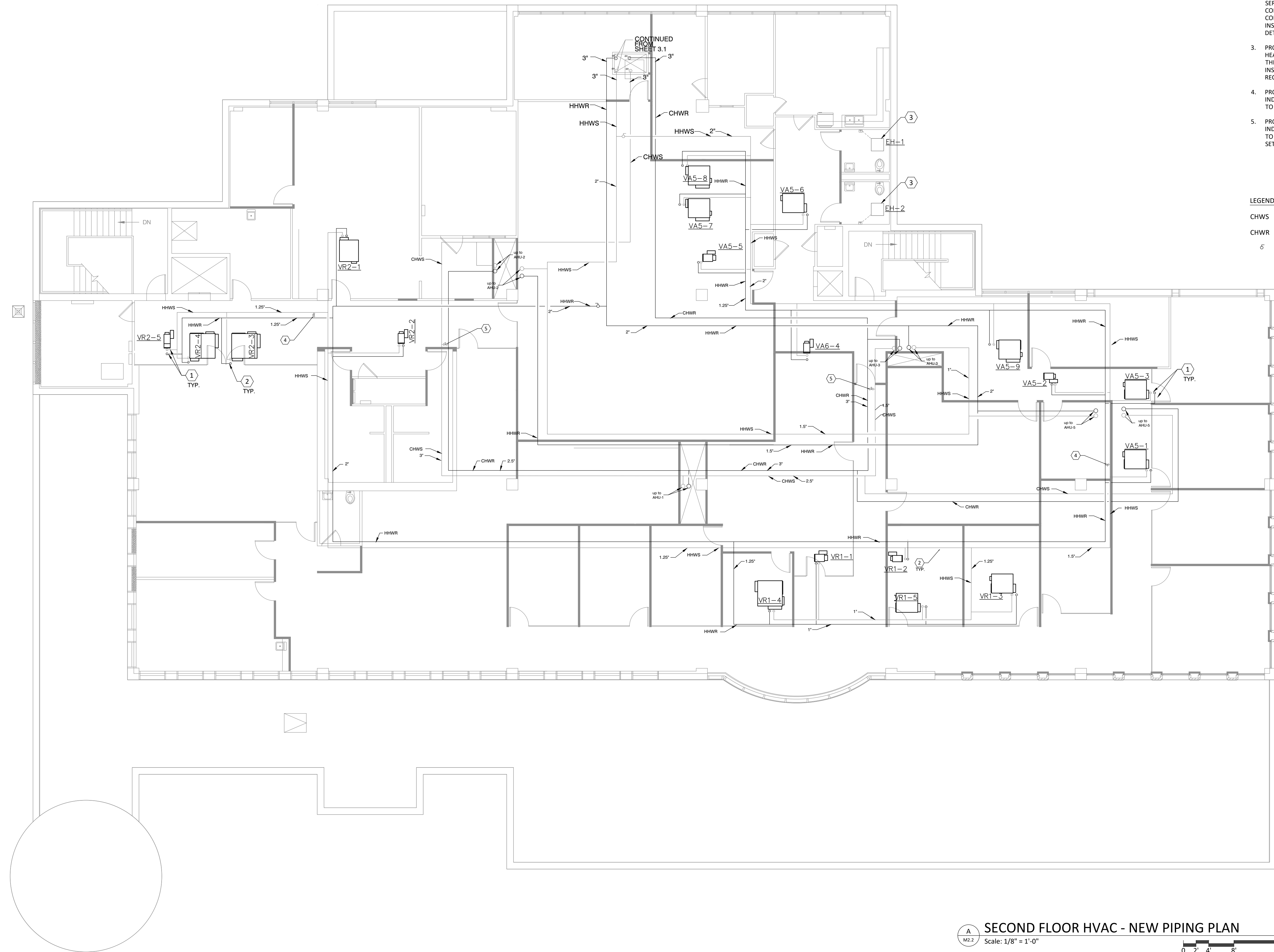
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M2.1

A FIRST FLOOR HVAC - NEW PIPING PLAN

M2.1 Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'



- # HVAC PIPING PLAN KEYED NOTES
1. PROVIDE INSULATED BRANCH HEATING HOT WATER SUPPLY AND RETURN PIPING TO AIR TERMINALS, 3/4 INCH PIPING DIAMETER UNLESS OTHERWISE NOTED ON PLANS.
 2. PROVIDE INDIVIDUAL ISOLATION VALVES, CONTROL VALVES, BALANCING DEVICES, SERVICE VENTS AND DRAINS, STRAINERS, FOR CONNECTION TO AIR TERMINAL UNIT REHEAT COILS, FOLLOWING MANUFACTURER'S INSTALLATION RECOMMENDATIONS. REFER TO DETAILS.
 3. PROVIDE ELECTRIC RADIANT CEILING PANEL HEATER, INCLUDING FACTORY LINE VOLTAGE THERMOSTAT WITH HIDDEN ADJUSTMENT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 4. PROVIDE BYPASS WITH PRESSURE INDEPENDENT BALANCING VALVE AND UNIONS TO MAINTAIN MINIMUM FLOW OF 4 GPM.
 5. PROVIDE BYPASS WITH PRESSURE INDEPENDENT BALANCING VALVE AND UNIONS TO MAINTAIN MINIMUM FLOW FOR CHILLER, SET TO 40 GPM.

LEGEND

CHWS CHILLED WATER SUPPLY

CHWR CHILLED WATER RETURN

5 ISOLATION VALVE

4K

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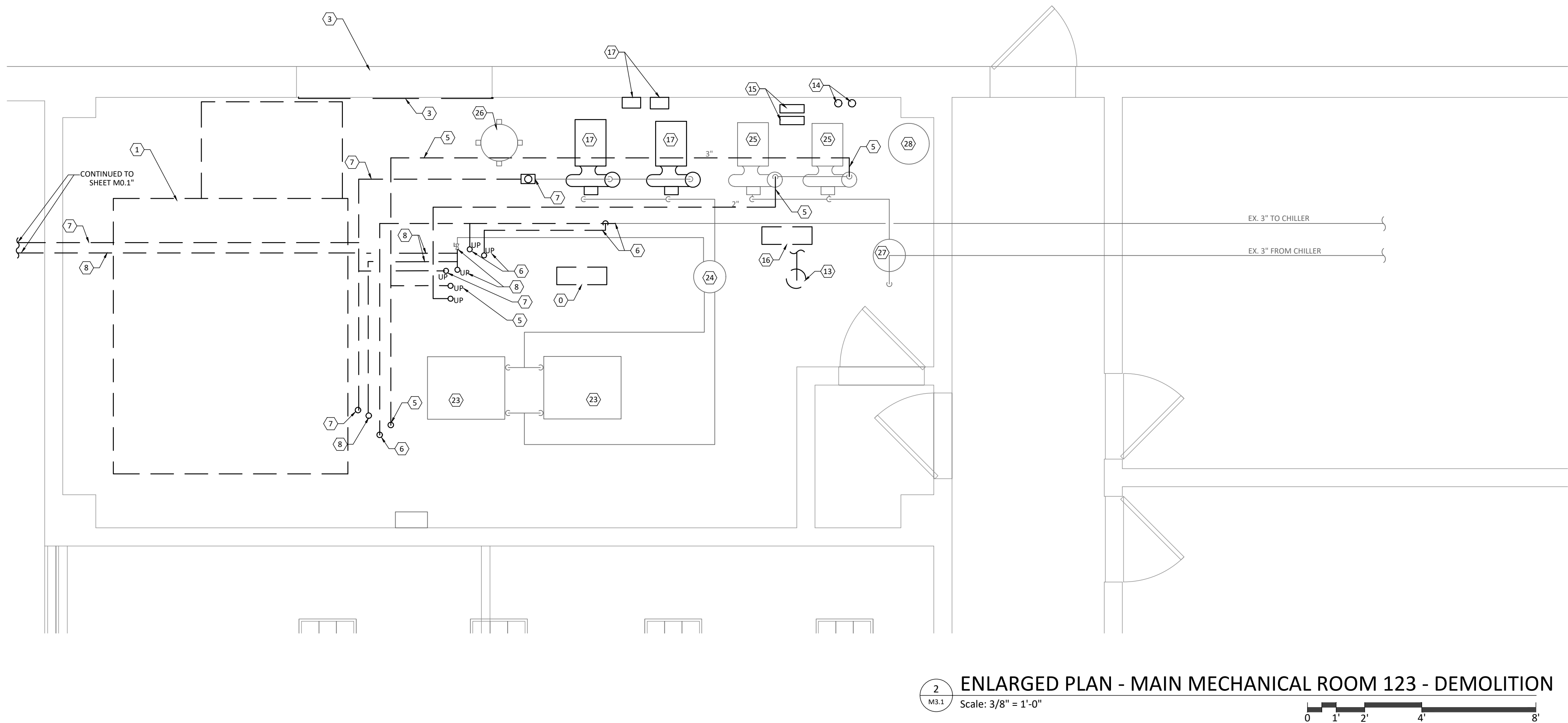
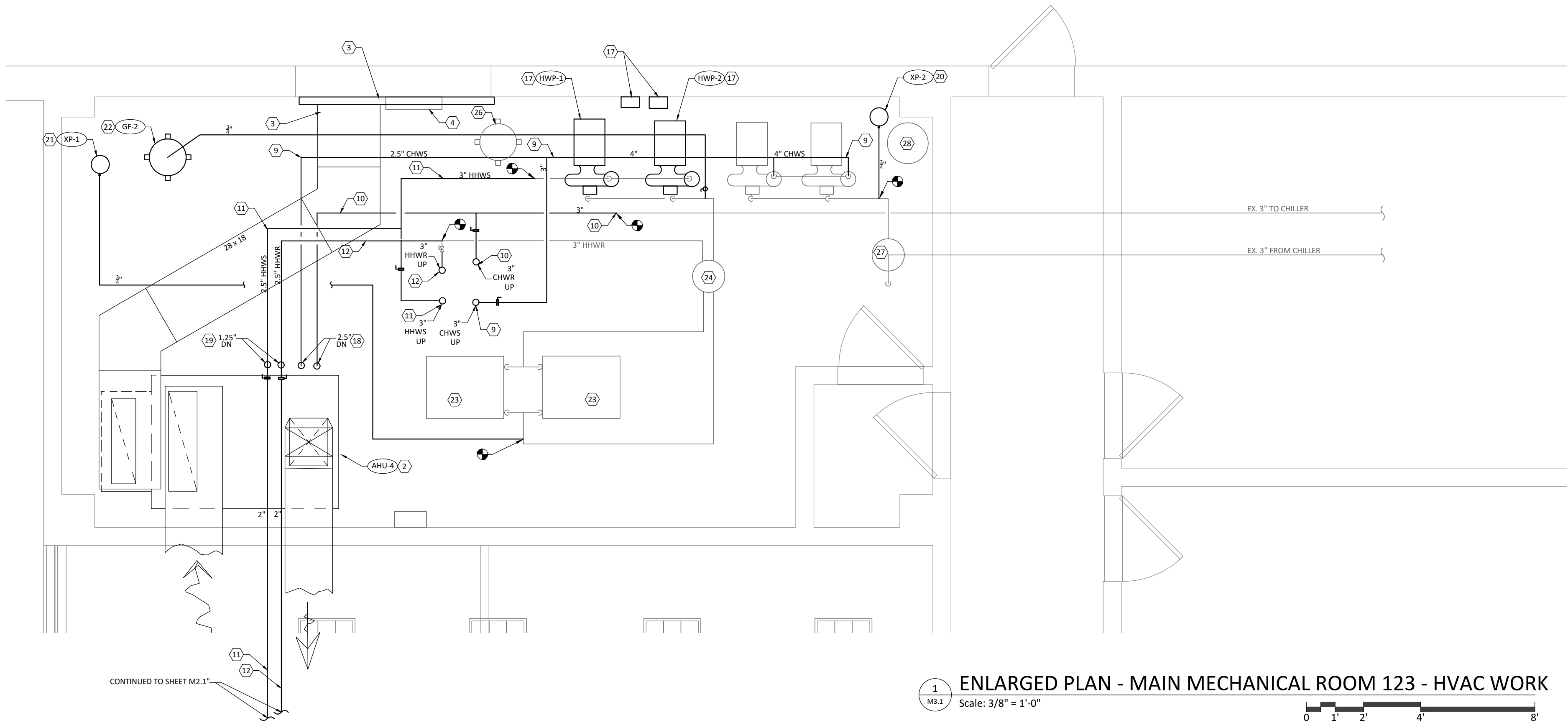
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SECOND FLOOR
HVAC
NEW PIPING PLAN

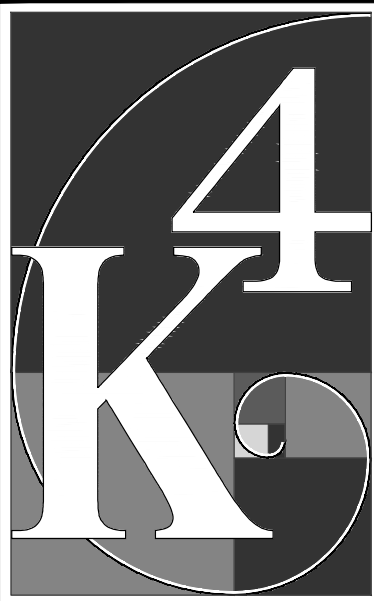
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M2.2



NOTES

1. COMPLETELY DEMOLISH AND REMOVE THE EXISTING MULTI-ZONE AIR HANDLING UNIT, INCLUDING COILS, INSULATED PIPING TO THE COILS, RETURN DUCTWORK TO SPACES AND OUTDOOR AIR INTAKE DUCTWORK, ZONE MAIN SUPPLY DUCTS, FILTERS, SUPPORTS, AND CONTROLS.
2. PROVIDE NEW AIR HANDLING UNIT INCLUDING VIBRATION ISOLATORS, SUPPLY DUCTWORK, MIXING PLENUM, RETURN DUCTWORK, AND CONTROLS. PROVIDE NEW CHILLED WATER AND HEATING HOT WATER SPECIALTIES. REFER TO DETAILS.
3. REMOVE BOARDS AND CLEAN EXISTING LOUVER. PROVIDE NEW INSULATED LOUVER PLENUM BEHIND ENTIRE LOUVER. PROVIDE NEW OUTDOOR AIR VENTILATION DUCTWORK TO THE AIR HANDLING UNIT MIXING PLENUMS, COMPLETE WITH AIRFLOW STATION.
4. MAINTAIN THE EXISTING COMBUSTION AIR INTAKE BY CONNECTING TO NEW PLENUM.
5. REMOVE EXISTING CHILLED WATER SUPPLY PIPING FROM EXISTING CHILLED WATER PUMPS WHERE INDICATED, INCLUDING PIPING TO ORIGINAL AIR HANDLING UNIT AND BRANCHES UP TO THE SECOND FLOOR. MAINTAIN EXISTING ISOLATION VALVES, MANIFOLD, FLEXIBLE CONNECTORS AND TRIPLE-DUTY VALVES AT EXISTING PUMPS.
6. REMOVE EXISTING CHILLED WATER RETURN PIPING FROM EXISTING CHILLED WATER SYSTEM WHERE INDICATED, INCLUDING PIPING TO ORIGINAL AIR HANDLING UNIT AND BRANCHES UP TO THE SECOND FLOOR.
7. REMOVE EXISTING HEATING HOT WATER SUPPLY PIPING FROM THE EXISTING HEATING HOT WATER SYSTEM WHERE INDICATED, INCLUDING REMOVAL OF THE ORIGINAL BALANCING VALVE, PIPING TO ORIGINAL AIR HANDLING UNIT AND BRANCHES UP TO THE SECOND FLOOR.
8. REMOVE EXISTING HEATING HOT WATER RETURN PIPING FROM THE EXISTING HEATING HOT WATER SYSTEM WHERE INDICATED, INCLUDING PIPING TO ORIGINAL AIR HANDLING UNIT AND BRANCHES UP TO THE SECOND FLOOR. MAINTAIN THE EXISTING BRANCH ISOLATION VALVE.
9. PROVIDE NEW INSULATED CHILLED WATER SUPPLY PIPING FROM THE EXISTING PUMPS TO SERVICE THE BUILDING'S NEW AIR HANDLING UNITS, INCLUDING NEW RISER TO SECOND FLOOR. REFER TO SHEET M2.2 FOR CONTINUATION.
10. PROVIDE NEW INSULATED CHILLED WATER RETURN PIPING FROM POINTS INDICATED TO SERVICE THE BUILDING'S NEW AIR HANDLING UNITS, INCLUDING NEW RISER TO THE SECOND FLOOR. UTILIZE THE EXISTING BRANCH ISOLATION VALVE FOR ISOLATION OF THE RISER. REFER TO SHEET M2.2 FOR CONTINUATION.
11. PROVIDE NEW INSULATED HEATING HOT WATER SUPPLY PIPING FROM POINTS INDICATED TO SERVICE THE BUILDING'S NEW AIR HANDLING UNITS, AIR TERMINALS AND CABINET HEATERS, INCLUDING NEW RISER TO THE SECOND FLOOR. REFER TO SHEETS M2.1 AND M2.2 FOR CONTINUATION.
12. PROVIDE NEW INSULATED HEATING HOT WATER RETURN PIPING FROM POINTS INDICATED TO SERVICE THE BUILDING'S NEW AIR HANDLING UNITS, AIR TERMINALS AND CABINET HEATERS, INCLUDING NEW RISER TO THE SECOND FLOOR. REFER TO SHEETS M2.1 AND M2.2 FOR CONTINUATION.
13. REMOVE THE EXISTING ABANDONED SEPARATOR AND THE ASSOCIATED ABANDONED PIPING, INCLUDING ALL INSULATION AND SUPPORTS.
14. REMOVE THE EXISTING ABANDONED EXPANSION TANK AND ASSOCIATED ABANDONED PIPING, INCLUDING ALL INSULATION AND SUPPORTING HARDWARE.
15. REMOVE THE EXISTING CHILLED WATER LOOP EXPANSION TANK AND ASSOCIATED PIPING.
16. REMOVE THE EXISTING HEATING HOT WATER LOOP EXPANSION TANK AND ASSOCIATED PIPING.
17. REMOVE THE EXISTING HEATING HOT WATER PUMPS AND STARTERS. MAINTAIN EXPANSION DEVICES ISOLATION VALVES, TRIPLE-DUTY VALVES. PROVIDE NEW HEATING HOT WATER BUILDING LOOP PUMPS TO REPLACE THE EXISTING. PROVIDE NEW VARIABLE FREQUENCY DRIVES FOR EACH NEW PUMP. REFER TO DETAILS.
18. PROVIDE NEW INSULATED CHILLED WATER BRANCH PIPING TO THE NEW AIR HANDLING UNIT COOLING COIL, INCLUDING VALVES AND SUPPORTING HARDWARE. REFER TO DETAILS.
19. PROVIDE NEW INSULATED HEATING HOT WATER BRANCH PIPING TO THE NEW AIR HANDLING UNIT HEATING COIL, INCLUDING VALVES AND SUPPORTING HARDWARE. REFER TO DETAILS.
20. PROVIDE NEW DIAPHRAGM TYPE EXPANSION TANK FOR THE CHILLED WATER LOOP, INCLUDING PIPING TO CONNECT TO EXISTING SYSTEM. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE ALL INSULATION AND SUPPORTING HARDWARE.
21. PROVIDE NEW DIAPHRAGM TYPE EXPANSION TANK FOR THE HEATING WATER BUILDING LOOP, INCLUDING PIPING TO CONNECT TO EXISTING SYSTEM. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE ALL INSULATION AND SUPPORTING HARDWARE.
22. PROVIDE NEW AUTOMATIC GLYCOL FEED UNIT, INCLUDING FACTORY SUPPORTS, ANCHORED TO CONCRETE FLOOR. PROVIDE BRANCH PIPING TO EXISTING HEATING HOT WATER BUILDING LOOP. REFER TO DETAILS.
23. EXISTING BUILDING HEATING BOILERS TO REMAIN.
24. EXISTING HEATING HOT WATER BUILDING LOOP AIR SEPARATOR TO REMAIN.
25. EXISTING CHILLED WATER LOOP PUMPS TO REMAIN.
26. EXISTING AUTOMATIC GLYCOL FEED UNIT FOR CHILLED WATER LOOP TO REMAIN.
27. EXISTING CHILLED WATER LOOP AIR SEPARATOR TO REMAIN.
28. EXISTING DOMESTIC HOT WATER HEATER TO REMAIN.



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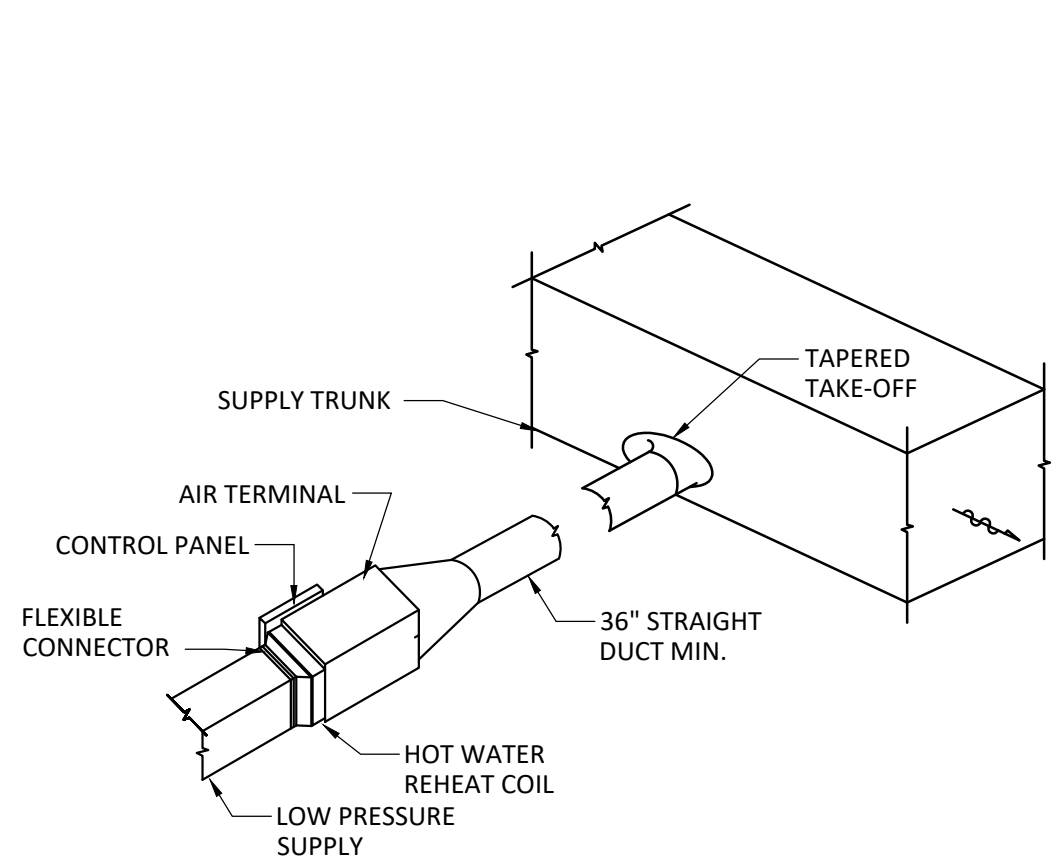
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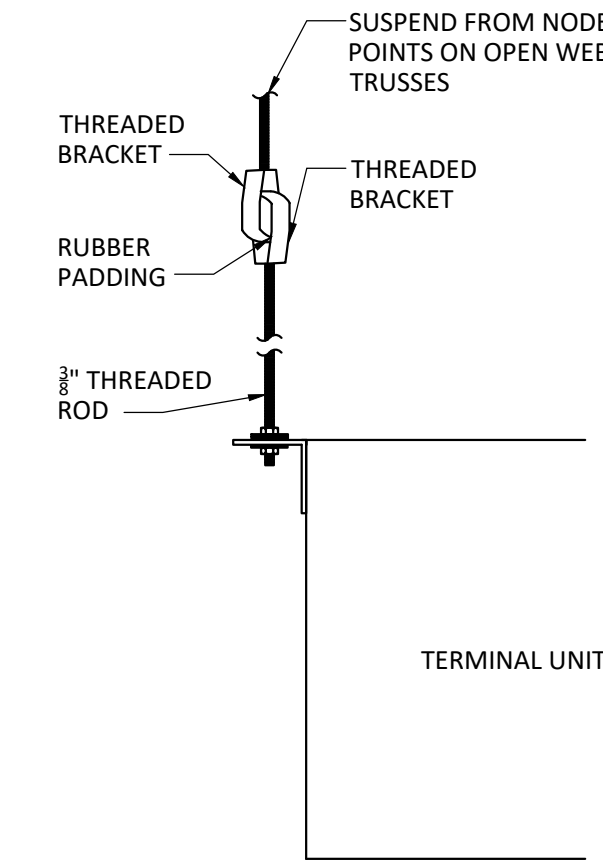
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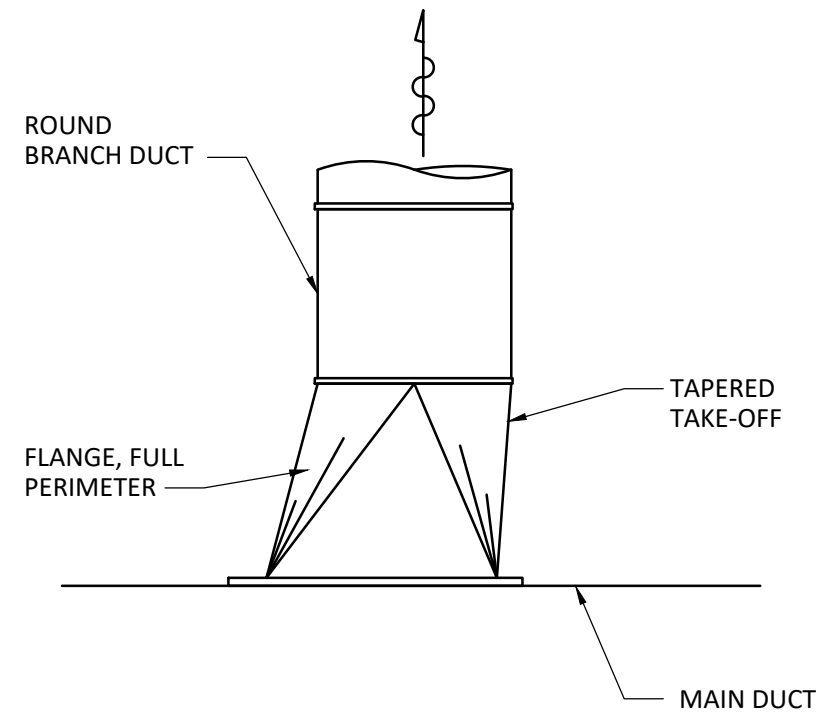
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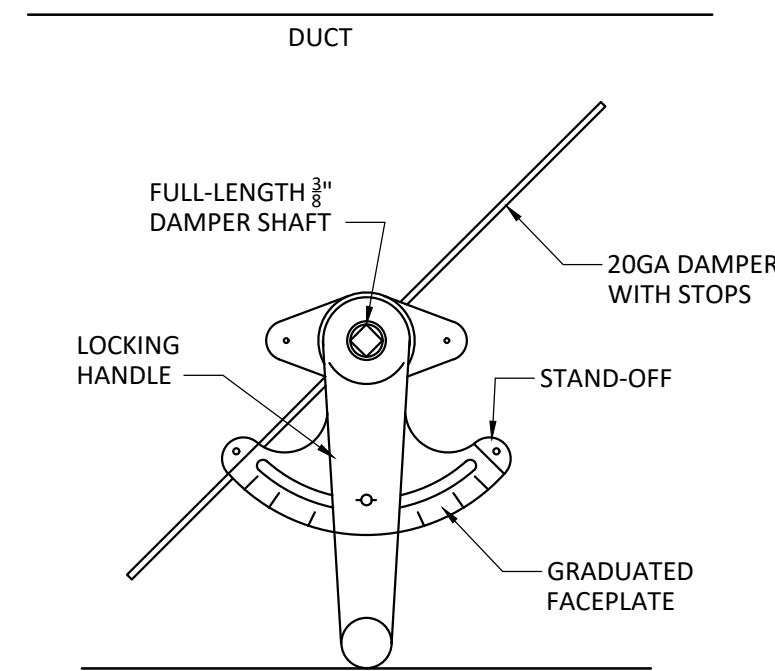
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M3.2
DETAIL - AIR TERMINAL INSTALLATION
NOT TO SCALE



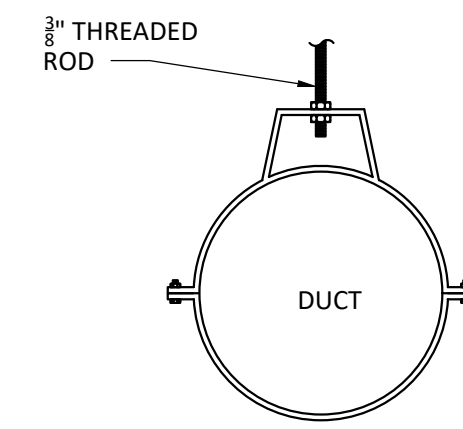
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M3.2
DETAIL - TERMINAL UNIT SUPPORT
NOT TO SCALE



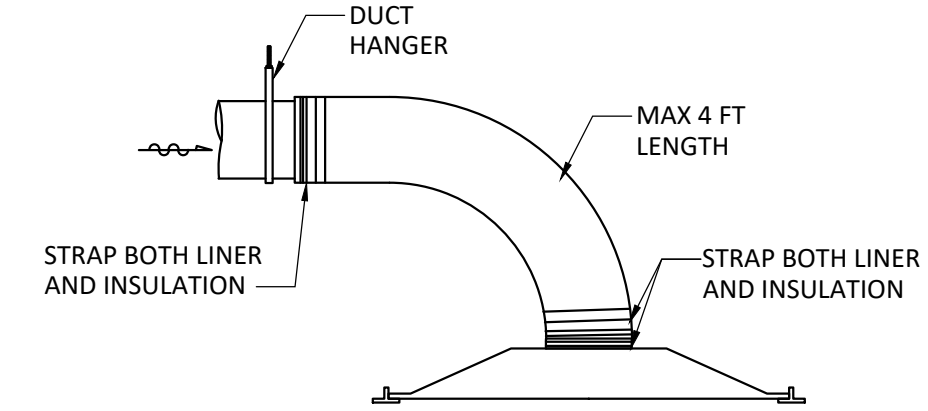
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M3.2
DETAIL - TAKE-OFF DUCT
NOT TO SCALE



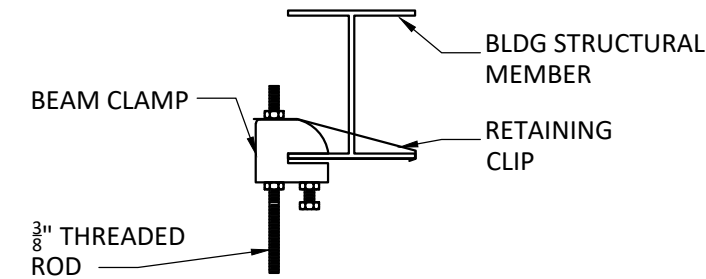
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M3.2
DETAIL - AIR VOLUME DAMPER
NOT TO SCALE



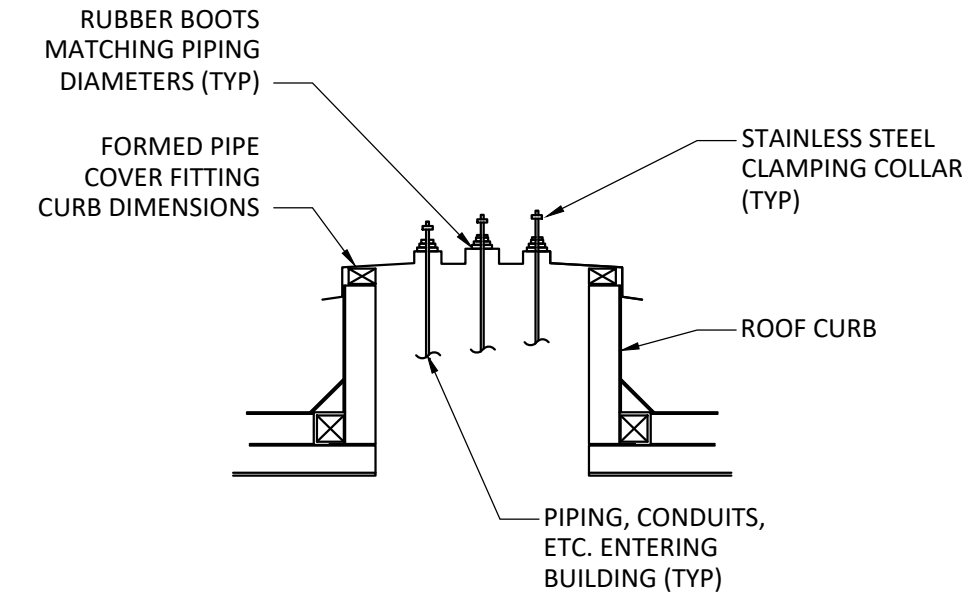
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M3.2
DETAIL - EXPOSED DUCT HANGER
NOT TO SCALE



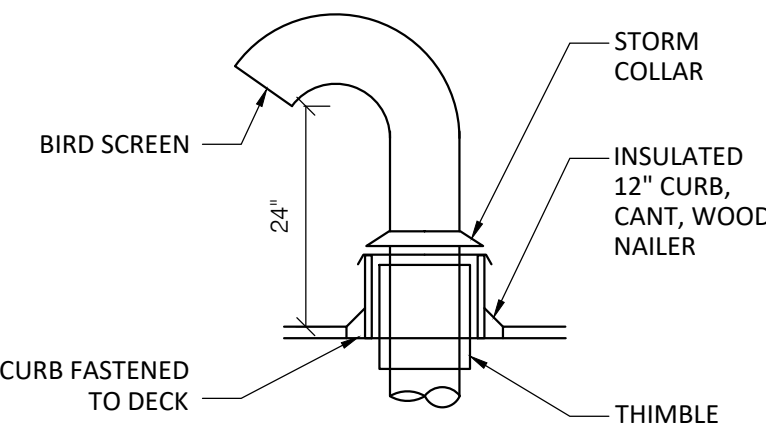
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M3.2
DETAIL - SUPPLY AIR DEVICE
NOT TO SCALE



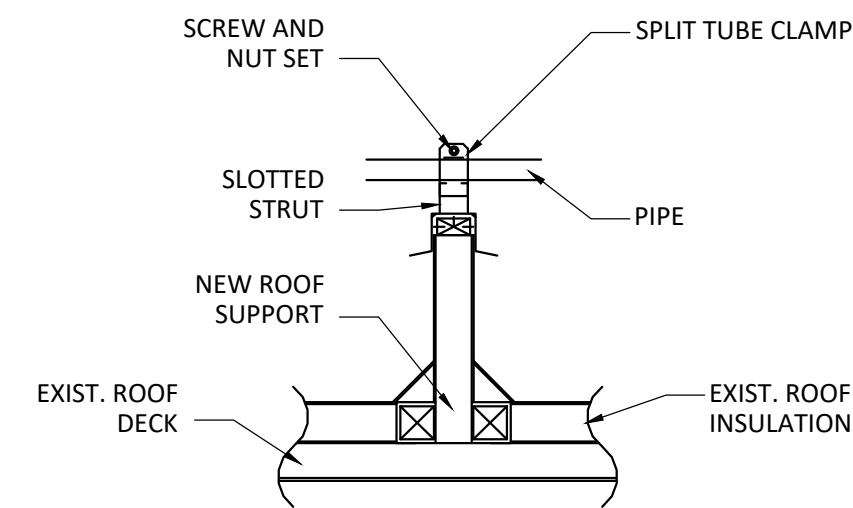
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M3.2
DETAIL - TYPICAL HANGERS AND ROD
NOT TO SCALE



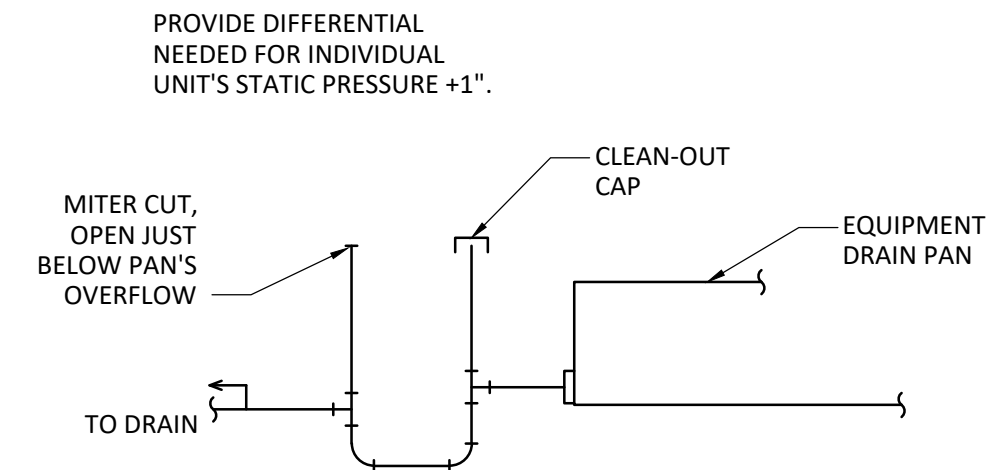
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M3.2
DETAIL - PIPING PENETRATION AT ROOF
NOT TO SCALE



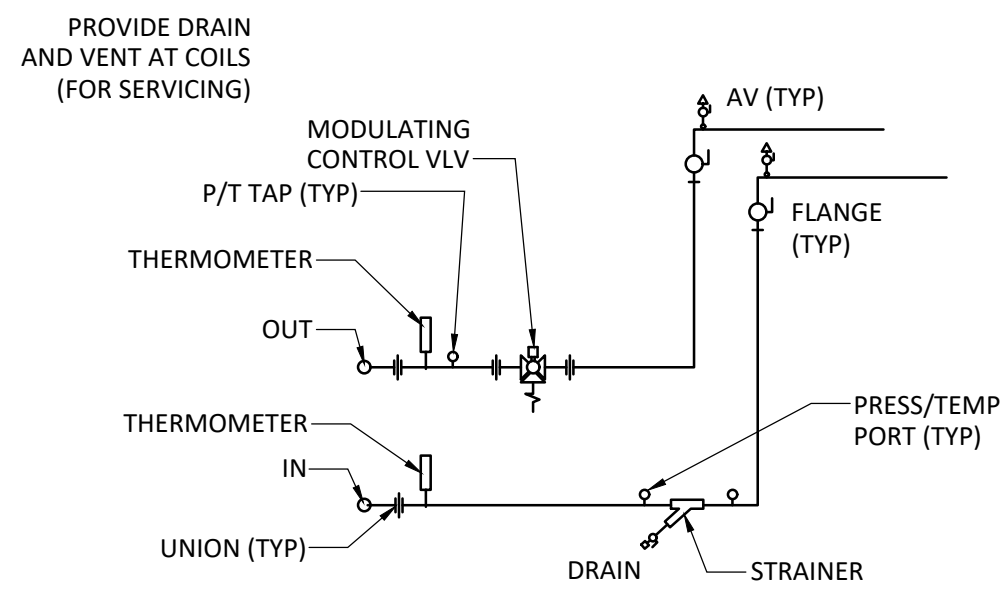
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M3.2
DETAIL - TYPICAL DUCT DISCHARGE ROOF
NOT TO SCALE



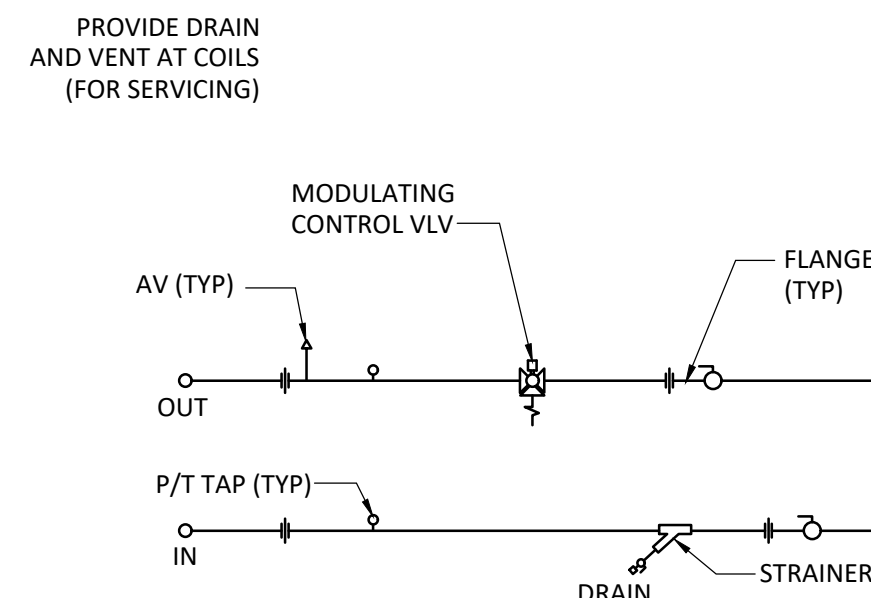
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M3.2
DETAIL - PIPING SUPPORT ON ROOF
NOT TO SCALE



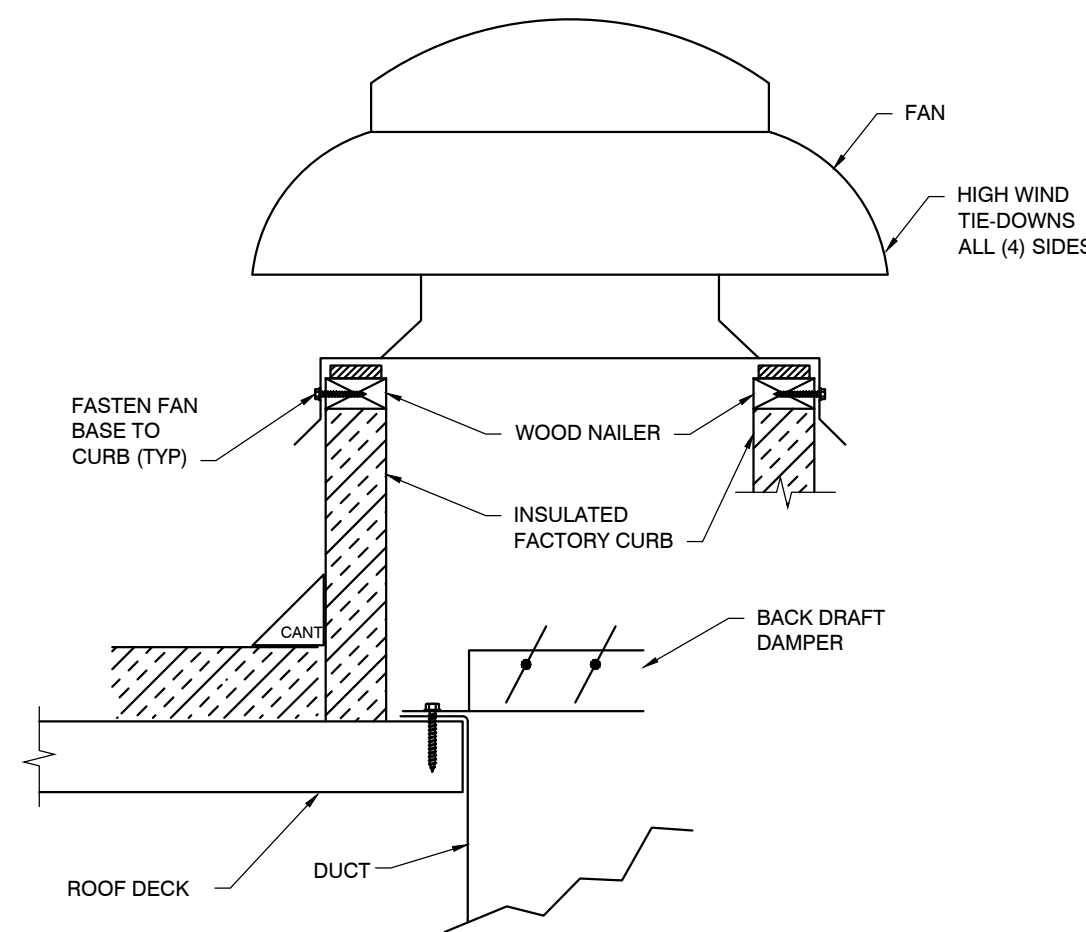
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M3.2
DETAIL - CONENSATE DRAINAGE PIPING
NOT TO SCALE



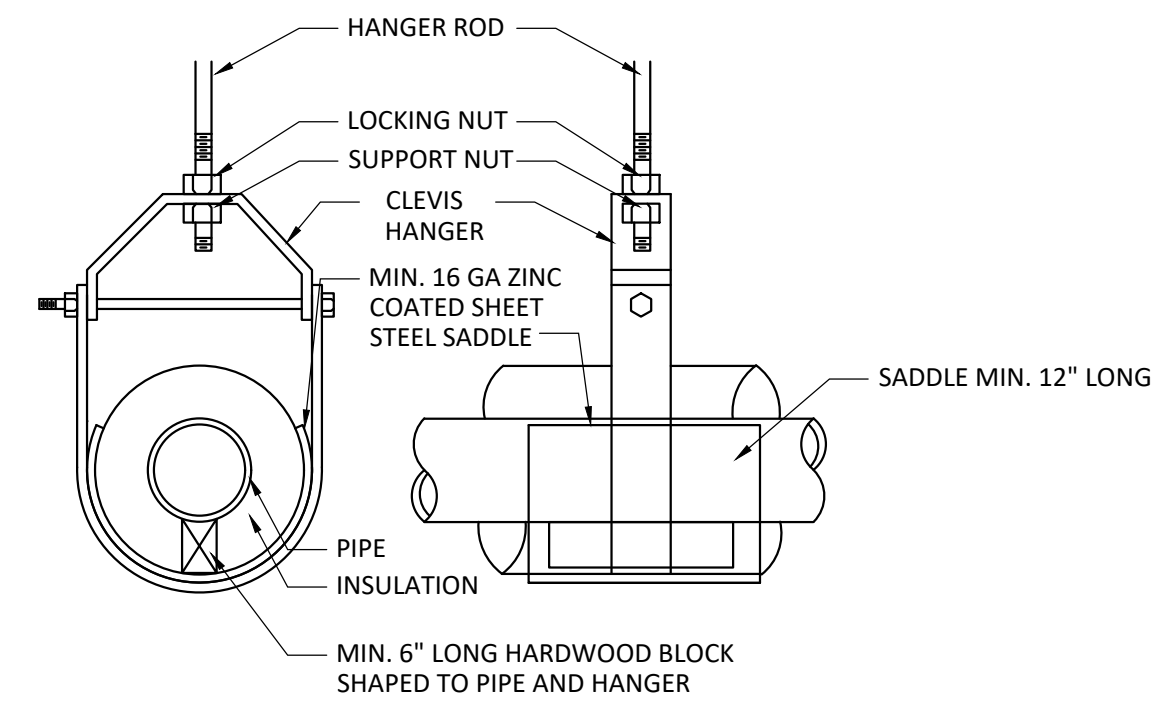
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M3.2
DETAIL - TYPICAL WATER PIPING AT COILS
NOT TO SCALE



13
M3.2
DETAIL - WATER PIPING AT TERMINAL UNIT COILS
NOT TO SCALE



14
M3.2
DETAIL - ROOF MOUNTED EXHAUST FAN
NOT TO SCALE



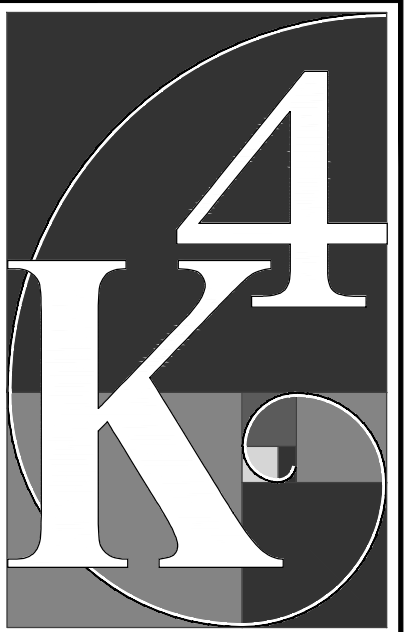
15
M3.2
DETAIL - PIPING HANGER
NOT TO SCALE

LEGEND

AV - AIR VENT

LEGEND

MODULATING TWO-WAY CONTROL VALVE, PRESSURE INDEPENDENT



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UNIT AND CABINET HEATERS SCHEDULE														
TAG	DESCRIPTION	ROOM SERVED	CAPACITY	AIR FLOW	ROWS	WATER FLOW	PRESSSURE DROP	ENTERING FLUID	FLUID	ELECTRICAL		REFERENCED		NOTES
			(BTUH)	(CFM)		(GPM)	(MAX - FT)	(DEGREES F)		VOLTAGE	HP	MANUFACTURER	MODEL	
UH-1	HORIZONTAL UNIT HEATER, SUSPENDED	129 (GARAGE)	14,700	280	2	2	2.2	140	GLYCOL - 30%	120	1/20	MODINE	HHD 30	A, B, C
UH-2	HORIZONTAL UNIT HEATER, SUSPENDED	123 (MECH ROOM)	11,300	280	2	1	1	140	GLYCOL - 30%	120	1/15	MODINE	HHD 30	A, B, C
CH-1	RECESSED CABINET HEATER, CEILING MOUNTED, RECESSED	130 (STAIRS)	10,000	270	2	2.2	1.7	140	GLYCOL - 30%	120	1/20	MODINE	CW SIZE 03	A, B, D, E, F
CH-2	WALL-MOUNTED CABINET HEATER, SURFACE MOUNTED	113 (STAIRS)	14,500	270	2	3.3	4	140	GLYCOL - 30%	120	1/20	MODINE	CW SIZE 03	A, B, D
CH-3	RECESSED CABINET HEATER, CEILING MOUNTED, RECESSED	101 (VESTIBULE)	14,500	270	2	3.3	4	140	GLYCOL - 30%	120	1/20	MODINE	CW SIZE 03	A, B, D, F
CH-4	RECESSED CABINET HEATER, CEILING MOUNTED, RECESSED	BOOK VESTIBULE 137	9,500	200	2	2	2	140	GLYCOL - 30%	120	1/20	MODINE	CW SIZE 02	A, B, D, F
CH-5	RECESSED CABINET HEATER, WALL MOUNTED, RECESSED	BACK CORRIDOR 127	4,100	150	1	1.3	1	140	GLYCOL - 30%	120	1/20	MODINE	CW SIZE 02	A, B, D, F
NOTES A FACTORY INTEGRAL DISCONNECT SWITCH B FACTORY INTEGRAL FAN SPEED CONTROL C FACTORY MOUNTING BRACKET WITH VIBATION ISOLATION D PLUG IN MOTOR E TAMPER-PROOF ACCESS PANEL FASTENERS F FACTORY WALL FRAME														

DUCTLESS SPLIT HEAT PUMPS SCHEDULE																	
TAG	DESCRIPTION	CONFIGURATION	ROOM SERVED	COOLING CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	MAX AIRFLOW (COOLING - CFM)	HEATING CAPACITY (BTUH)	MAX AIRFLOW (HEATING - CFM)	REFRIGERANT	INDOOR UNIT DIMENSIONS		ELECTRICAL			REFERENCED MANUFACTURER	REFERENCED MODEL	NOTES
										(INCHES)	WEIGHT (LBS)	VOLTAGE	MCA	MFA			
HP-1	DUCTLESS SPLIT SYSTEM HEAT PUMP	WALL HUNG INDOOR UNIT	ELEV MACHINE ROOM	18,000	14,770	583	21,600	713	R-410A	42 X 14 X 10	35	208 - 3PH	18.7	20	DAIKIN	FTX18UVJU / RXL18UMVJU	A, B, C, D, E, F, G
NOTES A STATED HEATING CAPACITY IS BASED ON 5 DEGREE F OUTDOOR TEMPERATURE B OPERATNG RANGE FOR HEATING -13 DEGREE F TO 65 DEGREE F C STATED COOLING RATING IS BASED ON 95 DEGREE F OUTDOOR TEMPERATURE D OUTDOOR AND INDOOR UNITS POWERED TOGETHER AS ONE SYSTEM E FACTORY CONDENSATE PUMP WITH OVERFLOW ALARM F FACTORY POWDER-COATED WALL MOUNT BRACKET (DACA-WB1) G FACTORY SNOW ACCUMULATION HOOD																	

FANS SCHEDULE																	
TAG	DESCRIPTION	SERVES	AIR FLOW	E.S.P.	INLET	OUTLET	WHEEL DIAM	SPEED	BHP	DRIVE	MOTOR HP	ELECTRICAL			REFERENCED MANUFACTURER	REFERENCED MODEL	NOTES
			(CFM)	(INCHES)	(INCHES)	(INCHES)	(INCHES)	(RPM)				VOLTAGE	PHASE	AMPS			
EF-1	ROOF-TOP DOWNBLAST EXHAUSTER	TOILET ROOMS	200	.75	12X12	--	--	1,725	--	DIRECT	1/4	120	1	5.8	GREENHECK	G097	A, B, C
EF-2	ROOF-TOP DOWNBLAST EXHAUSTER	TOILET ROOMS	150	.5	10X10	--	--	1,300	--	DIRECT	1/12	120	1	2.8	GREENHECK	G095	A, B, C
EF-3	ROOF-TOP DOWNBLAST EXHAUSTER	TOILET ROOMS	725	.75	16X16	--	--	1,140	--	DIRECT	1/3	120	1	7.2	GREENHECK	G140	A, B, D
RF-1	ROOF-TOP DOWNBLAST EXHAUSTER	RELIEF FAN	3,200	1.5	18.5X18.5	--	--	1,590	1.5	DIRECT	2	208	3	7.5	GREENHECK	G160-VG	A, B, D, E
LEF-1	LASER EXHAUST BLOWER	LARGE LASER	735	6	6	6	12	3,450	1.5	DIRECT	2	208	3	7.5	CINCINNATI FAN	SPB-12	B, F, G
LEF-2	LASER EXHAUST BLOWER	SMALL LASER	400	8	5	5	13	3,450	1.4	DIRECT	2	208	3	7.5	CINCINNATI FAN	SPB-12	B, F, G
NOTES A FACTORY BACKDRAFT DAMPER B FACTORY INTEGRAL DISCONNECT SWITCH C SECURE TO EXISTING ROOF CURB D PROVIDE NEW ROOF CURB AND SECURE TO CURB E EC MOTOR, SPEED CONTROLLED BY 2-10 VDC FROM BAS F INDOORS INSTALLATION WITH FACTORY VIBRATION ISOLATORS G VARIABLE FREQUENCY DRIVE CONTROL																	

HYDRONIC SPECIALTIES SCHEDULE																
TAG	DESCRIPTION	SYSTEM SERVED	SIZE	ACCEPTANCE	DIAMETER	HEIGHT	GPM	MOTOR HP	FLUID	CONN.	FLUID TEMP (F)	ELECTRICAL			REFERENCED	REFERENCED
			(GALLONS)	(GALLONS)	(INCHES)	(INCHES)				(INCHES)		VOLTAGE	PHASE	AMP	MANUFACTURER	MODEL
XP-1	DIAPHRAGM EXPANSION TANK	CHILLED WATER	45	36	20	38	--		GLYCOL MIX - 30%	1	42	--	--	--	WESSELS	NTA-80
XP-2	DIAPHRAGM EXPANSION TANK	HEATING HOT WATER	45	36	20	38	--		GLYCOL MIX - 30%	1	140	--	--	--	WESSELS	NTA-80
GF-2	AUTOMATIC GLYCOL FEEDER	HEATING HOT WATER	55	--	24	65	2.0	1/3	GLYCOL MIX - 30%	1/2	42	115	1	7.2	ADVANTAGE	MODEL GF-1A1A

HEATING HOT WATER PUMPS SCHEDULE																
TAG	DESCRIPTION	SYSTEM SERVED	FLOW (GPM)	HEAD (FT)	BHP	MOTOR HP	RPM	FLUID	INLET - OUTLET (INCHES)	FLUID TEMP (F)	ELECTRICAL			DRIVE	REFERENCED MANUFACTURER	REFERENCED MODEL
											VOLTAGE	PHASE	AMP			
HWP-1	END SUCTION PUMP	HEATING	88	70	2.7	3	1,750	GLYCOL MIX - 30%	2 X 1.5	140	208	3	10.6	VFD	B & G	SERIES E-1510-1.5BC
HWP-2	END SUCTION PUMP	HEATING	88	70	2.7	3	1,750	GLYCOL MIX - 30%	2 X 1.5	140	208	3	10.6	VFD	B & G	SERIES E-1510-1.5BC



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OUTDOOR AIR HANDLING UNITS SCHEDULE																								
TAG		DESCRIPTION		FAN TYPE	FANS										DIMENSIONS									
					SUPPLY FANS	SUPPLY AIRFLOW	OUTDOOR AIRFLOW	SUPPLY FAN MOTOR	ESP	SPEED	RETURN FAN MOTOR	ESP	SPEED	FILTERS			CONFIGURATION	LENGTH	WIDTH	HEIGHT	UNIT WEIGHT	SUPPLY DUCT	RETURN DUCT	MOUNTING
					(QUAN)	(CFM)	(MIN CFM)	(BHP/NHP)	(INCH WC)	(RPM)	(BHP/NHP)	(INCH WC)	(RPM)	QUAN	SIZE (INCH)	MERV RATING		(IN)	(IN)	(IN)	(LBS)			
AHU-1		ROOF-TOP AIR-HANDLER, FIRST FLOOR SOUTH		DWDI	1	6,990	870	7.4 / 10.0	1.5	1,601	2.3 / 8.0	1.0	1,974	9	24 X 18	14	HORIZONTAL	162	77	71	3,200	BOTTOM-CURB	BOTTOM-CURB	FULL-PERIMETER CURB
AHU-2		ROOF-TOP AIR-HANDLER, FIRST FLOOR WEST		DWDI	1	5,700	1,290	6.3 / 7.5	1.5	2,206	1.5 / 8.0	1.0	1,700	9	24 X 18	14	HORIZONTAL	162	77	71	3,200	BOTTOM-CURB	BOTTOM-CURB	FULL-PERIMETER CURB
AHU-3		ROOF-TOP AIR-HANDLER, FIRST FLOOR EAST		DWDI	1	2,700	650	2.4 / 4.0	1.5	2,840	.5 / 8.0	1.0	1,050	6	24 X 18	14	HORIZONTAL	92	58	57	1,700	BOTTOM-CURB	BOTTOM-CURB	FULL-PERIMETER CURB
AHU-5		ROOF-TOP AIR-HANDLER, SECOND FLOOR EAST		DWDI	1	4,840	870	5.0 / 7.5	1.5	2,015	1.9 / 4.0	1.0	2,860	9	24 X 18	14	HORIZONTAL	162	77	71	3,200	BOTTOM-CURB	BOTTOM-CURB	FULL-PERIMETER CURB
COOLING										HEATING										ELECTRICAL			REFERENCED PRODUCT	
TAG	SENSIBLE	LATENT	FLUID TEMPERATURE		ROWS	APD	FLUID FLOW	WPD	ENTERING AIR	LEAVING AIR	CAPACITY	FLUID TEMPERATURE		ROWS	APD	FLUID FLOW	WPD	ENTERING AIR	LEAVING AIR				MANUFACTURER	MODEL
	(BTUH)	(BTUH)	ENT (F)	LVG (F)	(QUANT)	(IN)	(GPM)	(IN)	(F DB / F WB)	(F DB / F WB)	(BTUH)	ENT (F)	LVG (F)	(QUANT)	(IN)	(GPM)	(IN)	(F DB)	(F DB)	VOLTAGE	MCA	MOCp		
AHU-1	185,330	55,830	42	54	5	0.96	48.2	13.0	78 / 65	53.8 / 53.5	108,200	140	115	2	.42	9.2	1	60	75	208V - 3 PH	53.1	80	DAIKIN	DAHA15A
AHU-2	165,400	74,100	42	54	5	0.74	47.6	12.8	80 / 67	53.5 / 53.3	119,410	140	115	2	.30	10.1	1	55	75	208V - 3 PH	44	60	DAIKIN	DAHA15A
AHU-3	71,010	26,610	42	54	5	0.73	22	19.9	80 / 67	55.9 / 55.4	77,600	140	115	2	.15	6.9	1.2	60	75	208V - 3 PH	30	45	DAIKIN	DAHA07A
AHU-5	141,870	64,970	42	54	5	0.57	40.4	9.5	80 / 67	53.2 / 53.0	103,310	140	115	2	.23	8.7	1.0	55	75	208V - 3 PH	38.2	60	DAIKIN	DAHA15A
NOTES VARIABLE AIR VOLUME MULTI-ZONE UNITS COMPARATIVE ENTHALPY ECONOMIZER DUCT STATIC PRESSURE CONTROL DIRECT DRIVE SWSI AIR-FOIL FANS COMBINATION FINAL AND PRE-FILTERS FACTORY VFDS FOR SUPPLY AND RETURN FANS FACTORY CURB, CLIPS AND FASTENERS, PROFESSIONAL ENGINEER CERTIFIED, FOR WIND RATING INTEGRAL OUTDOOR AIRFLOW STATION INTEGRAL OUTDOOR AIRFLOW STATION HEATING HOT WATER BASED ON 30% GLYCOL MIX CHILLED WATER BASED ON 30% GLYCOL MIX FACTORY NON-FUSED SERVICE DISCONNECT																								

INDOOR AIR HANDLING UNITS SCHEDULE																				
			FANS									DIMENSIONS					ELECTRICAL			
TAG	DESCRIPTION	FAN TYPE	SUPPLY FANS	SUPPLY AIRFLOW	OUTDOOR AIRFLOW	FAN MOTOR	ESP	SPEED	FILTERS			CONFIGURATION	LENGTH	WIDTH	HEIGHT	INSTALLED WEIGHT	VOLTAGE	MCA	MOCp	
			(QUAN)	(CFM)	(MIN CFM)	(BHP/NHP)	(INCH WC)	(RPM)	QUAN	SIZE (INCH)	MERV RATING		(IN)	(IN)	(IN)	(LBS)				
AHU-4	MODULAR AIR-HANDLER, FIRST FLOOR MAKERSPACE	DWDI	1	3,400	1,100	4.1/ 5.0	1.5	3,100	3	24 X 20, 24 X 20, 24 X 12	13	VERTICAL	58	58	68	1,430	208V - 3 PH	15.3	20	
COOLING									HEATING									REFERENCED PRODUCT		
SENSIBLE	LATENT	FLUID TEMPERATURE		ROWS	APD	FLUID FLOW	WPD	ENTERING AIR	LEAVING AIR	CAPACITY	FLUID TEMPERATURE		ROWS	APD	FLUID FLOW	WPD	ENTERING AIR	LEAVING AIR	MANUFACTURER	MODEL
(BTUH)	(BTUH)	ENT (F)	LVG (F)	(QUANT)	(IN)	(GPM)	(IN)	(F DB / F WB)	(F DB / F WB)	(BTUH)	ENT (F)	LVG (F)	(QUANT)	(IN)	(GPM)	(IN)	(F DB)	(F DB)		
106,300	55,400	42	54	6	0.72	55	16.3	80 / 67	51.4 / 51.1	131,600	140	115	2	.34	13.7	2.8	40	90	DAIKIN	CAH008GDAC
NOTES																				
TOP DISCHARGE																				
HEATING HOT WATER BASED ON 30% GLYCOL MIX																				
CHILLED WATER BASED ON 30% GLYCOL MIX																				
NON-FUSED SERVICE DISCONNECT																				



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HVAC
SCHEDULES

Drawn By:	TK, BBJ, MW
Scale:	AS NOTED
Job No.:	22-2038

M4.2

ELECTRIC RADIANT CEILING HEATERS SCHEDULE										
TAG	DESCRIPTION	ROOM SERVED	CAPACITY (WATTS)	DIMENSIONS (INCHES)	MOUNTING	ELECTRICAL		REFERENCED MANUFACTURER	REFERENCED MODEL	NOTES
						VOLTAGE	PHASE			
EH-1	CEILING MOUNTED RADIANT HEATER	TOILET 212	375	24 x 24 x 1	LAY-IN	120	1	BERKO	CP SERIES	A, B
EH-2	CEILING MOUNTED RADIANT HEATER	TOILET 213	375	24 x 24 x 1	LAY-IN	120	1	BERKO	CP SERIES	A, B
NOTES										
A FACTORY POWER RELAY AND SWITCH										
B FACTORY WALL MOUNTED THERMOSTAT, CONCEALED ADJUSTMENT										

PACKAGED GAS-ELECTRIC ROOFTOP UNITS SCHEDULE																					
TAG		DESCRIPTION		FANS									DIMENSIONS								
				SUPPLY FANS	SUPPLY AIRFLOW	OUTDOOR AIRFLOW	FAN MOTOR	ESP	SPEED	EXHAUST FANS	EXHAUST AIRFLOW	FAN MOTOR	ESP	SPEED	LENGTH	WIDTH	HEIGHT	INSTALLED WEIGHT	FILTERS		
				(QUAN)	(CFM)	(MIN CFM)	(BHP/NHP)	(INCH WC)	(RPM)	(QUAN)	(MAX CFM)	(BHP/NHP)	(INCH WC)	(RPM)	(IN)	(IN)	(IN)	(LBS)	QUAN	SIZES (IN)	MERV RATING
RTU-1	MULTI-ZONE VAV PACKAGED ROOFTOP UNIT, SOUTH, SECOND FLOOR		1	4,610	550	3.3 / 8.0	1.0	2,070	1	4,000	1.7 / 4.0	.5	1,600	91	96	57	2,410	6	24 X 18	14	
RTU-2	MULTI-ZONE VAV PACKAGED ROOFTOP UNIT, WEST, SECOND FLOOR		1	4,450	480	3.1 / 8.0	1.0	2,030	1	4,000	1.7/4.0	.5	1,550	91	96	57	2,410	6	24 X 18	14	
	ELECTRICAL			COOLING									HEATING							REFERENCED PRODUCT	
	VOLTAGE	MCA	MOCP	COMPRESSORS		REFRIGERNT	ROWS	APD	AIRFLOW	SENSIBLE	LATENT	LEAVING AIR	EFFICIENCY	BURNER	GAS PRESSURE	INPUT	OUTPUT	TURNDOWN	LEAVING AIR	MANUFACTURER	MODEL
				QUAN	TYPE	TYPE	(QUANT)	(IN)	(CFM)	(BTUH)	(BTUH)	(DB F / WB F)	EER	TYPE	(MIN / MAX - IN WC)	(MAX - BTUH)	(MAX - BTUH)	RATIO	(F)		
RTU-1	208 - 3PH	67.3	80	2	SCROLL	R-410A	4	0.32	4,610	108,070	44,600	56.6/56.5	11.2	MODULATING	5 / 7	200,000	160,000	10:1	92	DAIKIN	DP5012A
RTU-2	208 - 3PH	67.3	80	2	SCROLL	R-410A	4	0.32	4,610	106,100	45,800	56.6/56.5	11.2	MODULATING	5 / 7	200,000	160,000	10:1	93	DAIKIN	DP5012A
NOTES																					
FACTORY FULL PERIMETER INSULATED CURB									FACTORY CURB, CLIPS AND FASTENERS, PROFESSIONAL ENGINEER CERTIFIED, FOR WIND RATING												
BOTTOM DISCHARGE, BOTTOM RETURN									OUTDOOR AIRFLOW MONITOR												
100% ECONOMIZER WITH ENTHALPY BASED CONTROL									FACTORY NON-FUSED SERVICE DISCONNECT												
AIRFOIL EXHAUST FAN									115 V CONVENIENCE OUTLET, UNIT POWERED												
COOLING PERFORMANCE BASIS OF 95 F AMBIENT									DUCT HIGH STATIC PRESSURE LIMIT SWITCH												
TWO CONDENSER FANS									BACNET/MST COMMUNICATION CARD												



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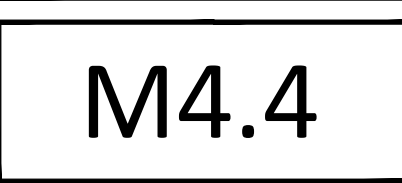
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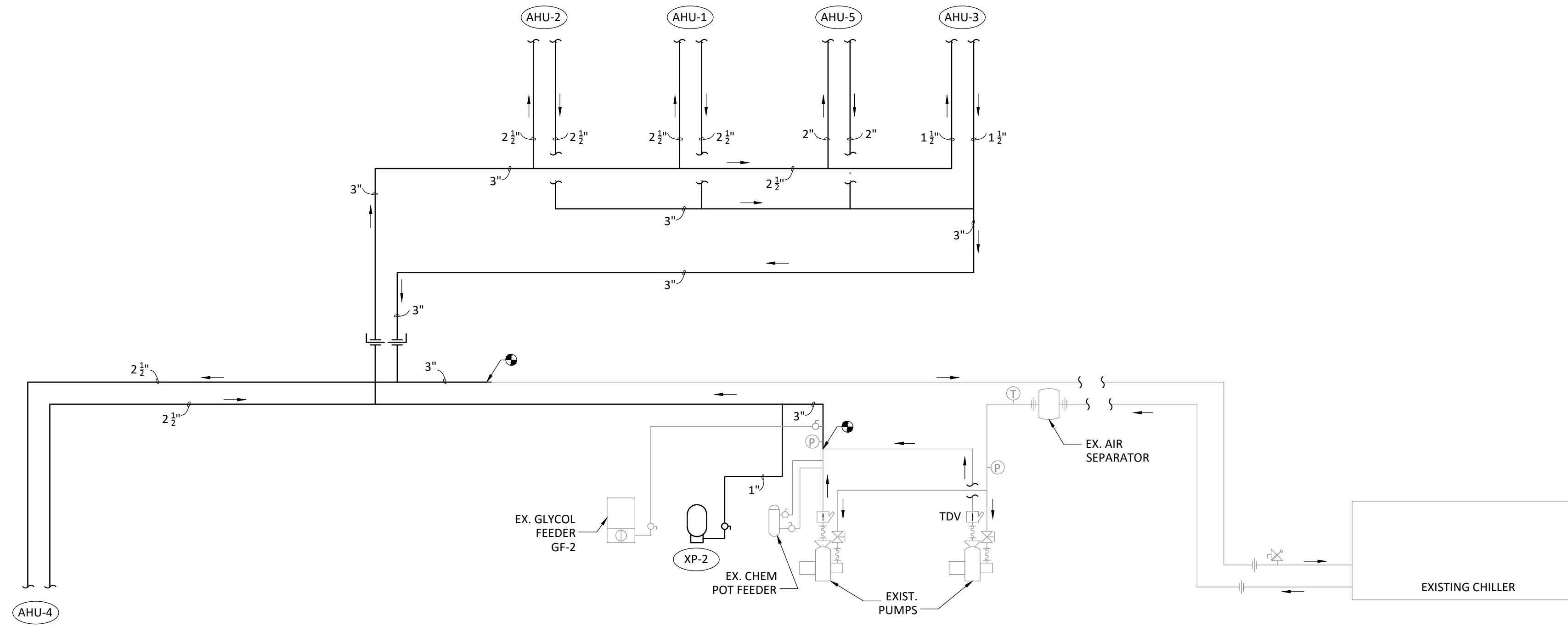
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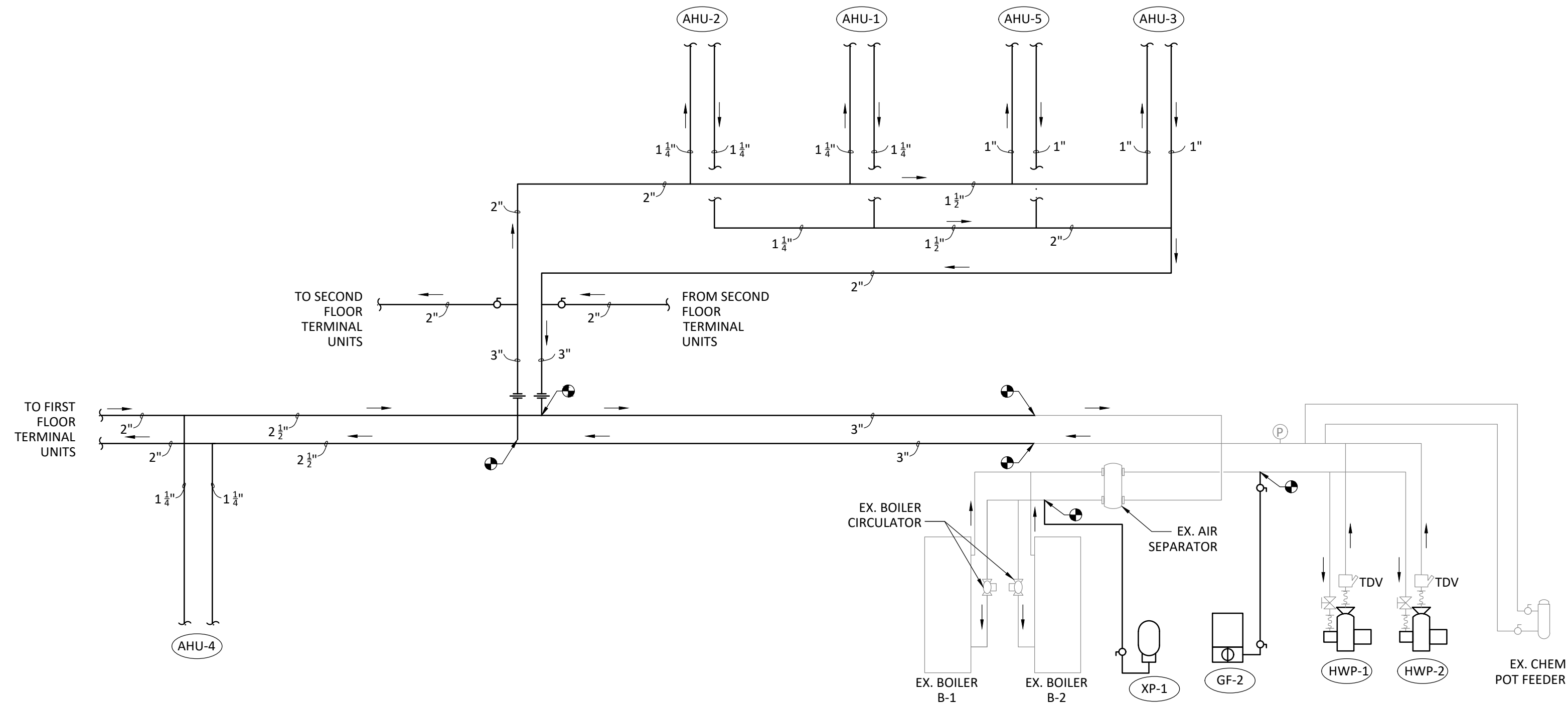
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Scale:	AS NOTED
Job No.:	22-2038

M4.3





1
MS.1
DETAIL - CHILLED WATER SYSTEM SCHEMATIC PIPING DIAGRAM
NOT TO SCALE



2
MS.1
DETAIL - HEATING HOT WATER SYSTEM SCHEMATIC PIPING DIAGRAM
NOT TO SCALE

- LEGEND**
- CONNECTION POINT, NEW TO EXISTING
 - ⊞ GATE VALVE
 - ⊞ BUTTERFLY VALVE
 - ⊞ FLANGE OR UNION
- LEGEND**
- ≡ FLEXIBLE CONNECTOR
 - Ⓟ PRESSURE GAUGE
 - Ⓣ TEMPERATURE

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PIPING
DIAGRAMS

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M5.1



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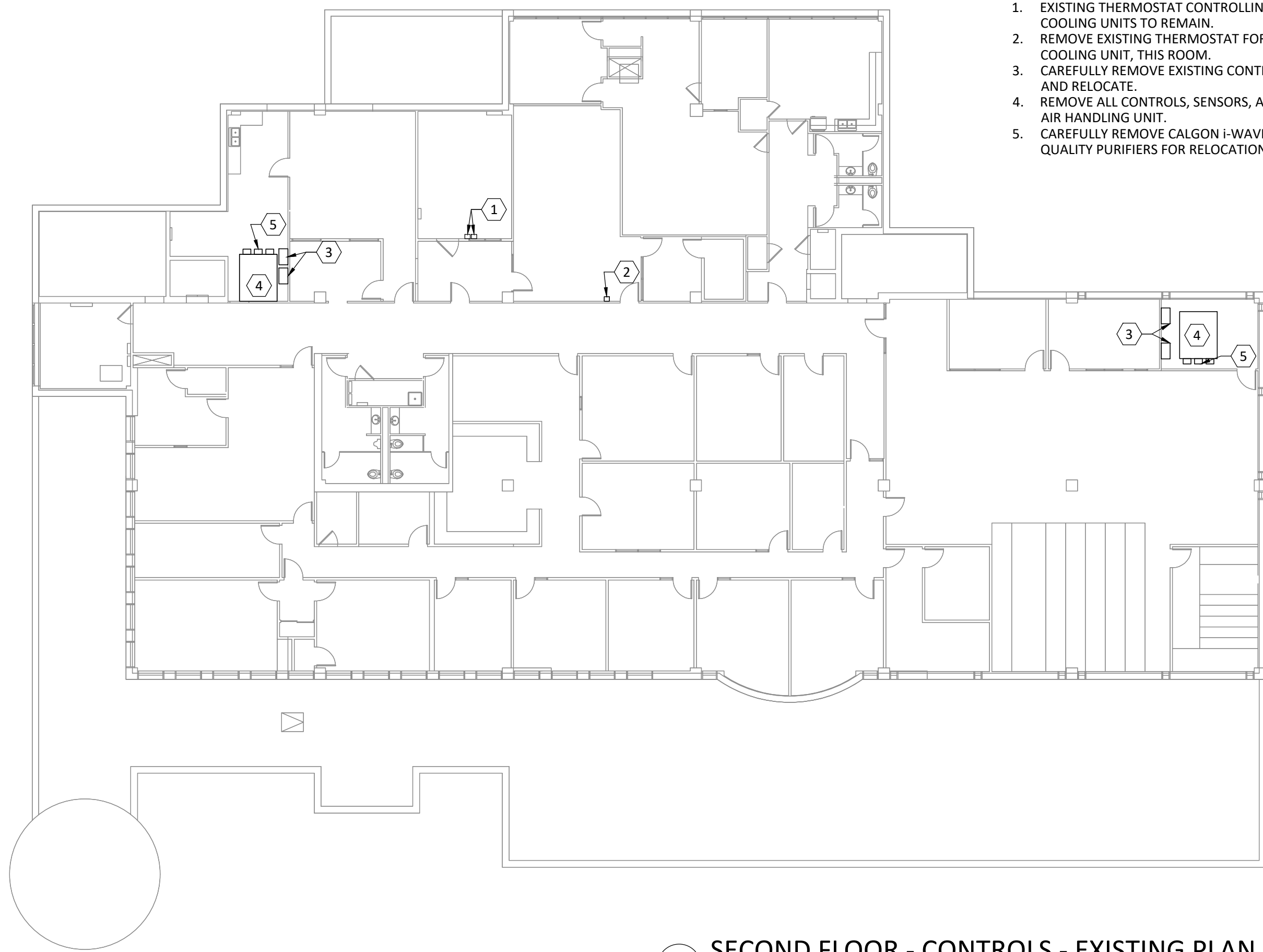
HVAC
CONTROLS
PLANS

Drawn By: TK, BBJ, MW
Scale: AS NOTED
Job No.: 22-2038

M6.0

NOTES

- EXISTING THERMOSTAT CONTROLLING EXISTING ROOM COOLING UNITS TO REMAIN.
- REMOVE EXISTING THERMOSTAT FOR ROOF-MOUNTED COOLING UNIT, THIS ROOM.
- CAREFULLY REMOVE EXISTING CONTROLS AND CABINETS AND RELOCATE.
- REMOVE ALL CONTROLS, SENSORS, AND OPERATORS FOR AIR HANDLING UNIT.
- CAREFULLY REMOVE CALGON I-WAVE ELECTRONIC AIR QUALITY PURIFIERS FOR RELOCATION.



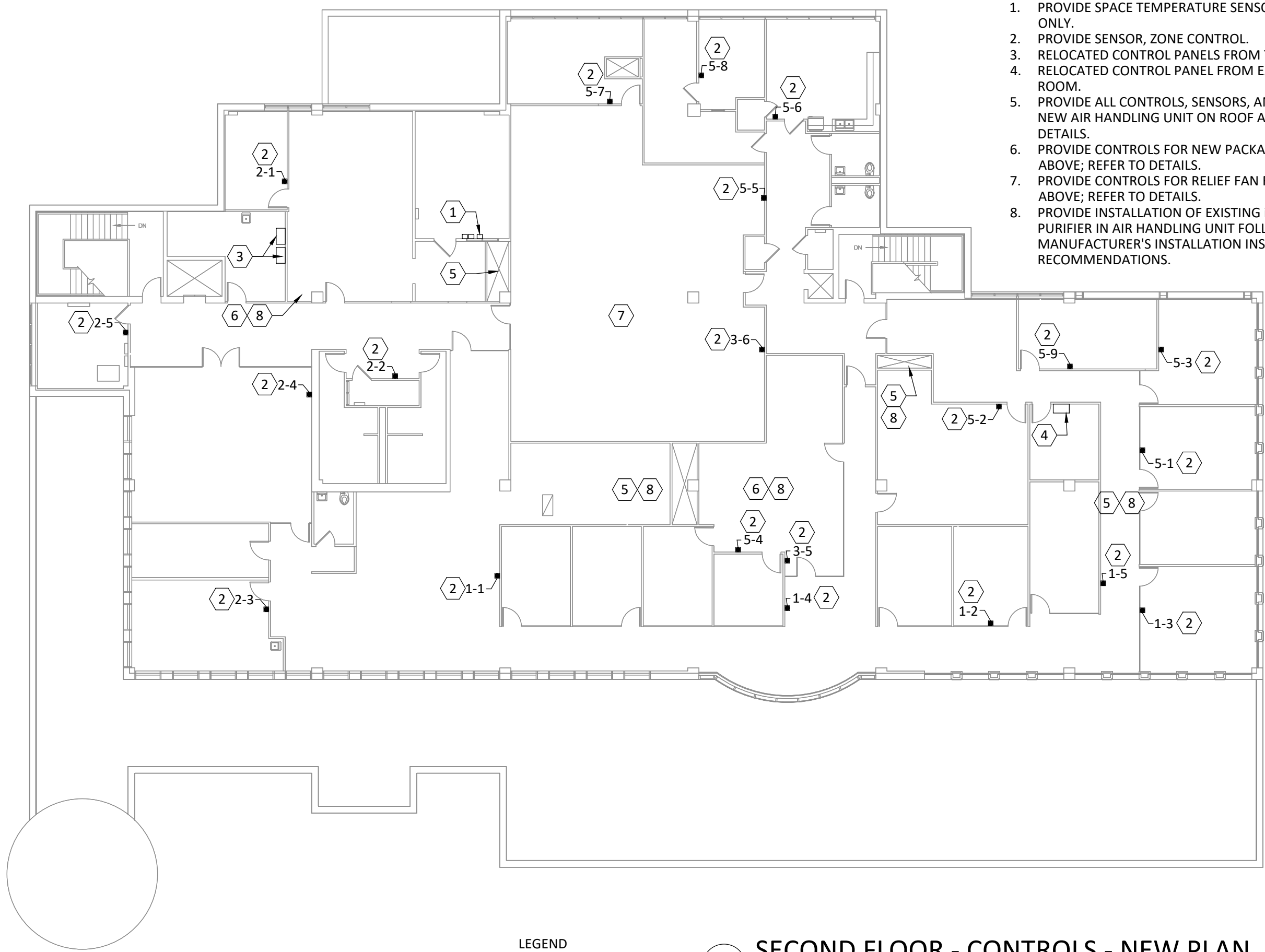
C SECOND FLOOR - CONTROLS - EXISTING PLAN

Scale: 1/16" = 1'-0"

0 5' 10' 20' 30'

NOTES

- PROVIDE SPACE TEMPERATURE SENSOR. MONITORING ONLY.
- PROVIDE SENSOR, ZONE CONTROL.
- RELOCATED CONTROL PANELS FROM THIS ROOM.
- RELOCATED CONTROL PANEL FROM EAST AIR HANDLER ROOM.
- PROVIDE ALL CONTROLS, SENSORS, AND OPERATORS FOR NEW AIR HANDLING UNIT ON ROOF ABOVE; REFER TO DETAILS.
- PROVIDE CONTROLS FOR NEW PACKAGED UNIT ON ROOF ABOVE; REFER TO DETAILS.
- PROVIDE CONTROLS FOR RELIEF FAN RF-1 ON ROOF ABOVE; REFER TO DETAILS.
- PROVIDE INSTALLATION OF EXISTING I-WAVE AIR QUALITY PURIFIER IN AIR HANDLING UNIT FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.



D SECOND FLOOR - CONTROLS - NEW PLAN

Scale: 1/16" = 1'-0"

0 5' 10' 20' 30'

LEGEND

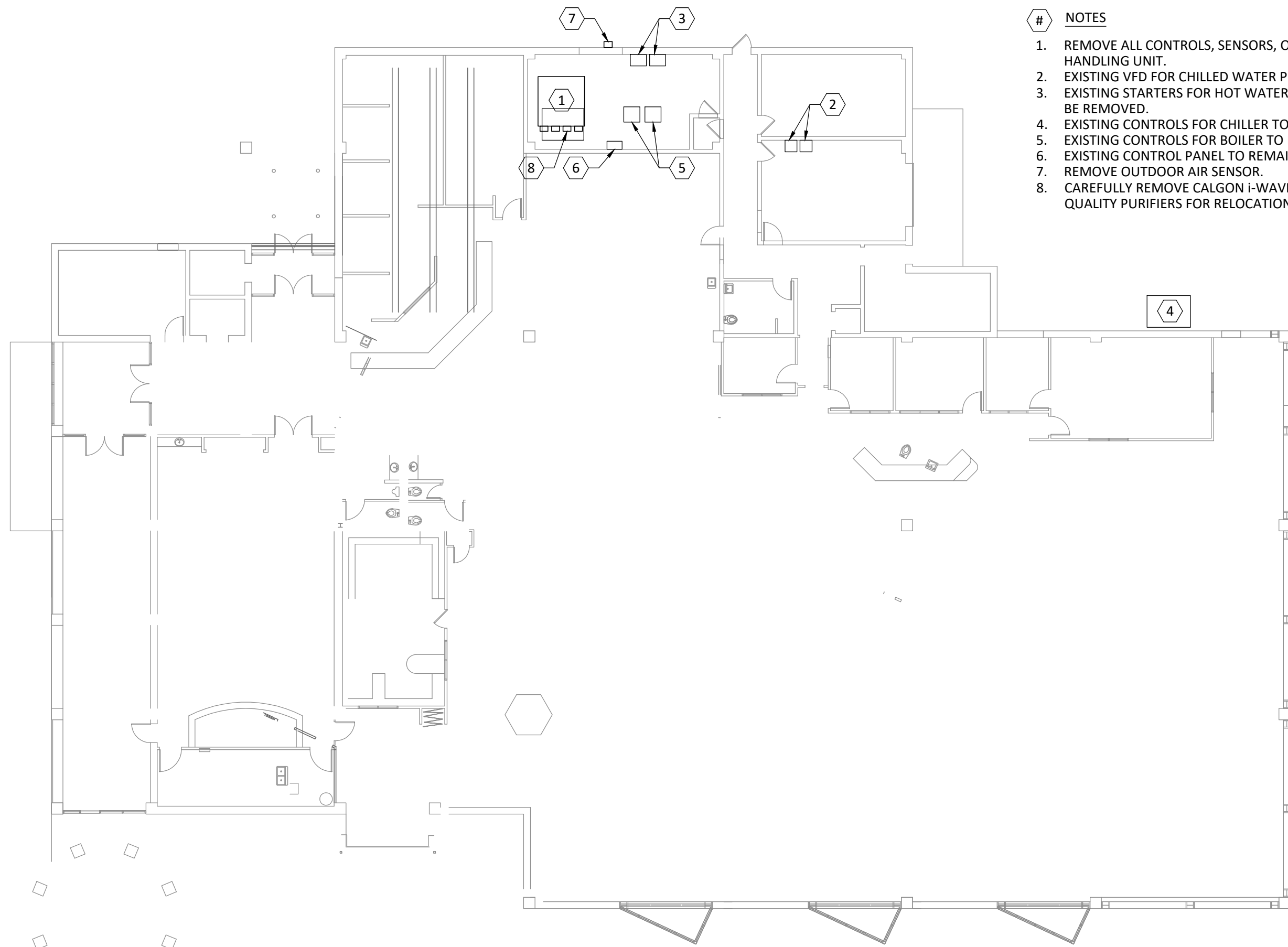
- SPACE SENSOR
(X-X) ZONE IDENTIFIER

LEGEND

- SPACE SENSOR
(X-X) ZONE IDENTIFIER

NOTES

- REMOVE ALL CONTROLS, SENSORS, OPERATORS FOR AIR HANDLING UNIT.
- EXISTING VFD FOR CHILLED WATER PUMPS TO REMAIN.
- EXISTING STARTERS FOR HOT WATER HEATING PUMPS TO BE REMOVED.
- EXISTING CONTROLS FOR CHILLER TO REMAIN.
- EXISTING CONTROLS FOR BOILER TO REMAIN.
- EXISTING CONTROL PANEL TO REMAIN.
- REMOVE OUTDOOR AIR SENSOR.
- CAREFULLY REMOVE CALGON I-WAVE ELECTRONIC AIR QUALITY PURIFIERS FOR RELOCATION.



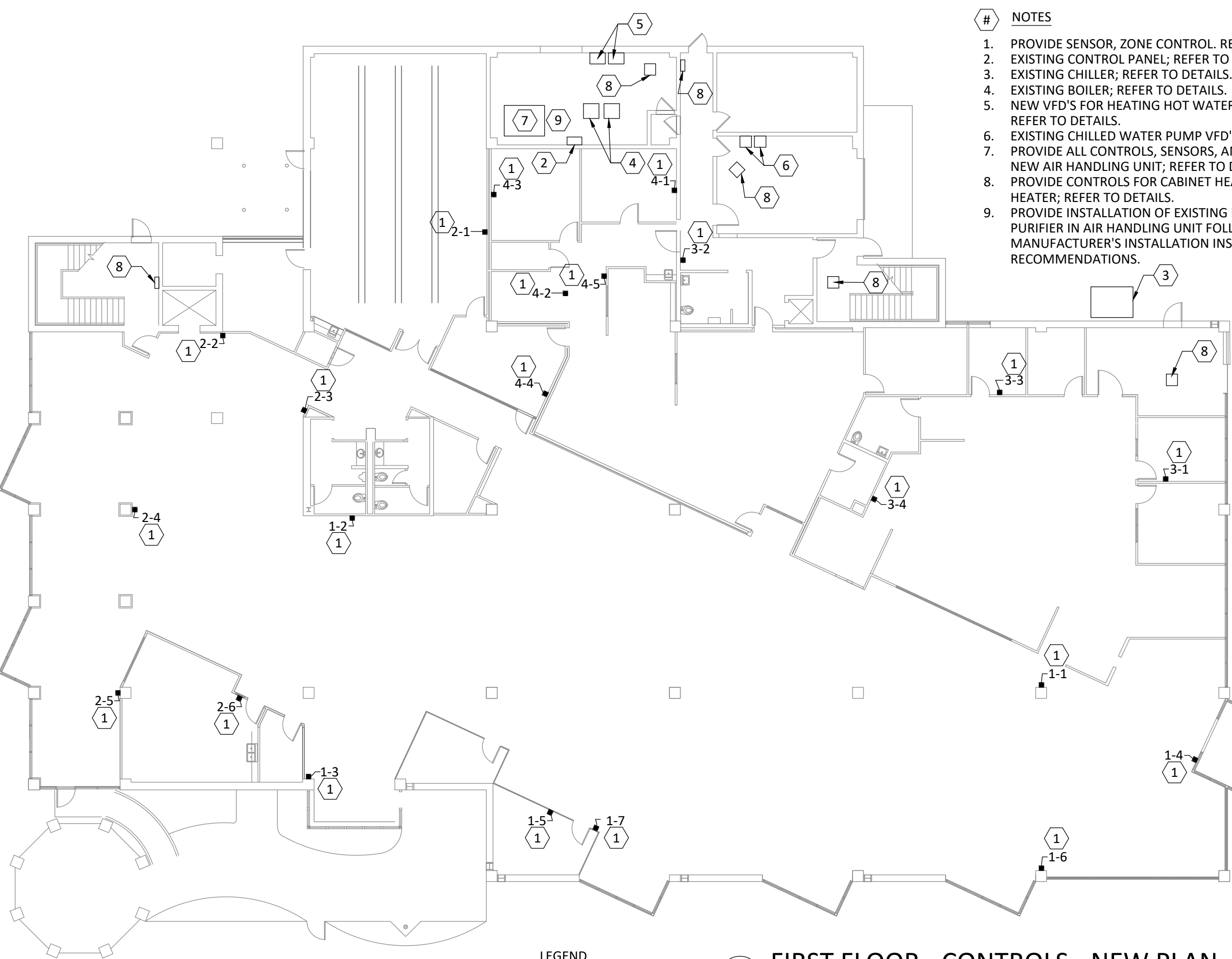
A FIRST FLOOR - CONTROLS - EXISTING PLAN

Scale: 1/16" = 1'-0"

0 5' 10' 20' 30'

NOTES

- PROVIDE SENSOR, ZONE CONTROL. REFER TO DETAILS.
- EXISTING CONTROL PANEL; REFER TO DETAILS.
- EXISTING CHILLER; REFER TO DETAILS.
- EXISTING BOILER; REFER TO DETAILS.
- NEW VFD'S FOR HEATING HOT WATER PUMP CONTROL; REFER TO DETAILS.
- EXISTING CHILLED WATER PUMP VFD'S; REFER TO DETAILS.
- PROVIDE ALL CONTROLS, SENSORS, AND OPERATORS FOR NEW AIR HANDLING UNIT; REFER TO DETAILS.
- PROVIDE CONTROLS FOR CABINET HEATER AND UNIT HEATER; REFER TO DETAILS.
- PROVIDE INSTALLATION OF EXISTING I-WAVE AIR QUALITY PURIFIER IN AIR HANDLING UNIT FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.



B FIRST FLOOR - CONTROLS - NEW PLAN

Scale: 1/16" = 1'-0"

0 5' 10' 20' 30'

LEGEND

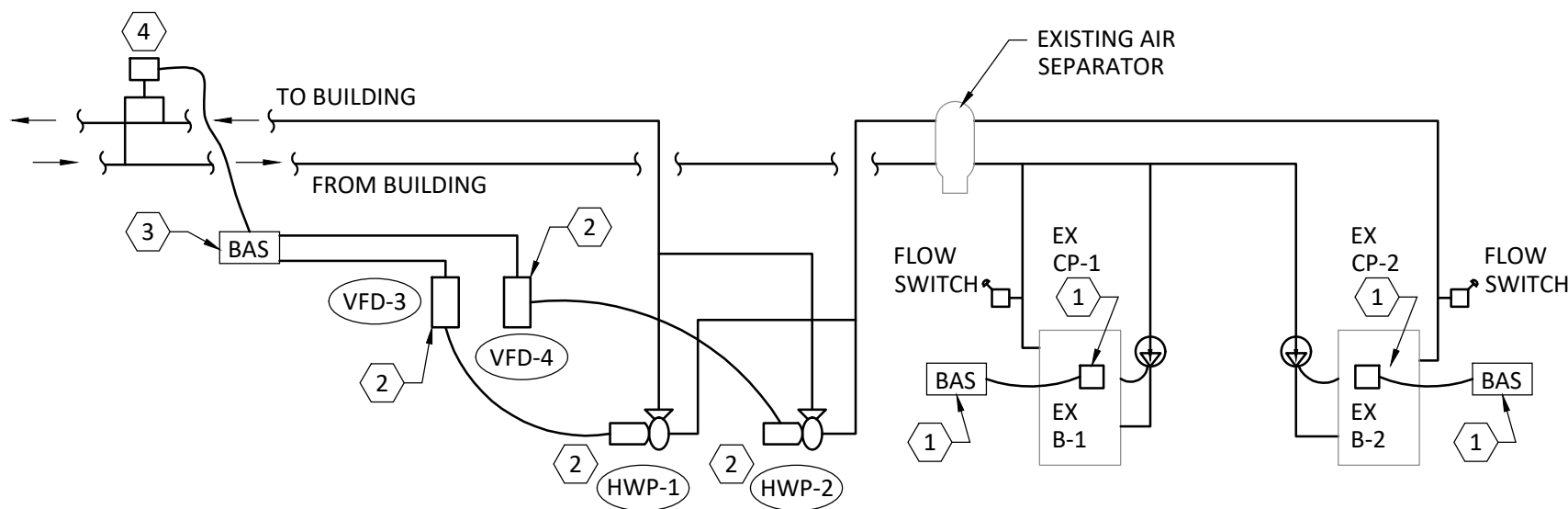
- SPACE SENSOR
(X-X) ZONE IDENTIFIER

LEGEND

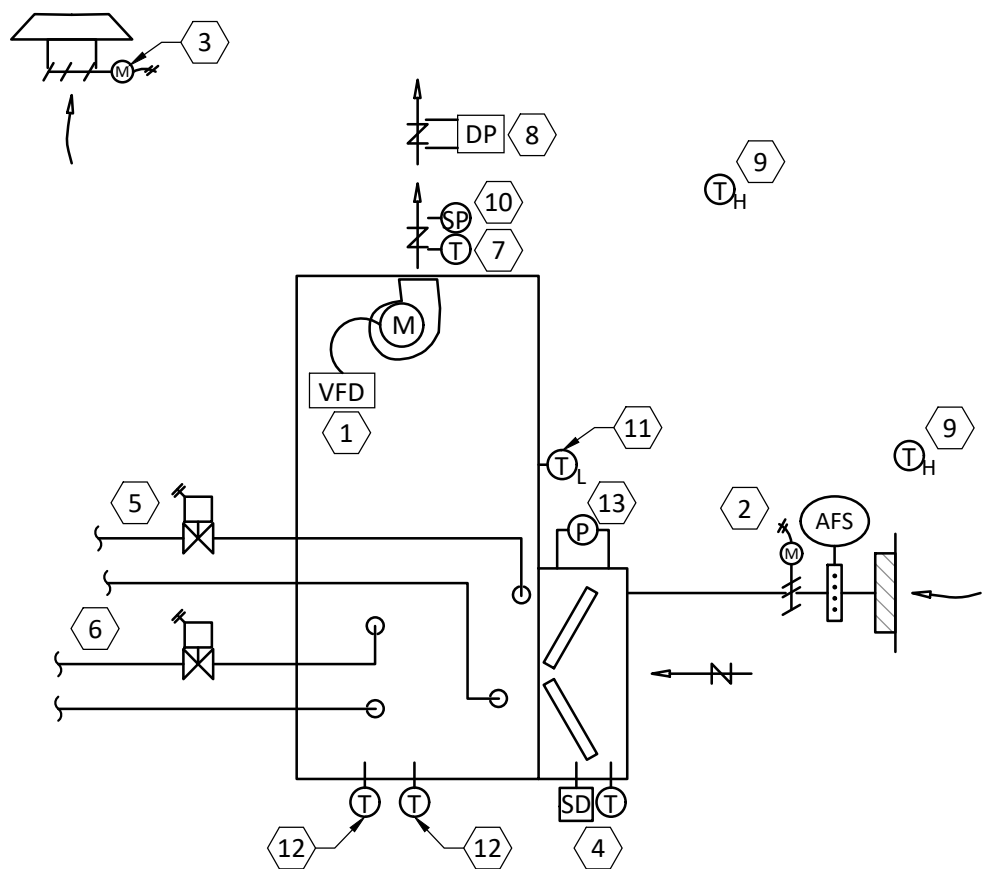
- SPACE SENSOR
(X-X) ZONE IDENTIFIER

GENERAL NOTES

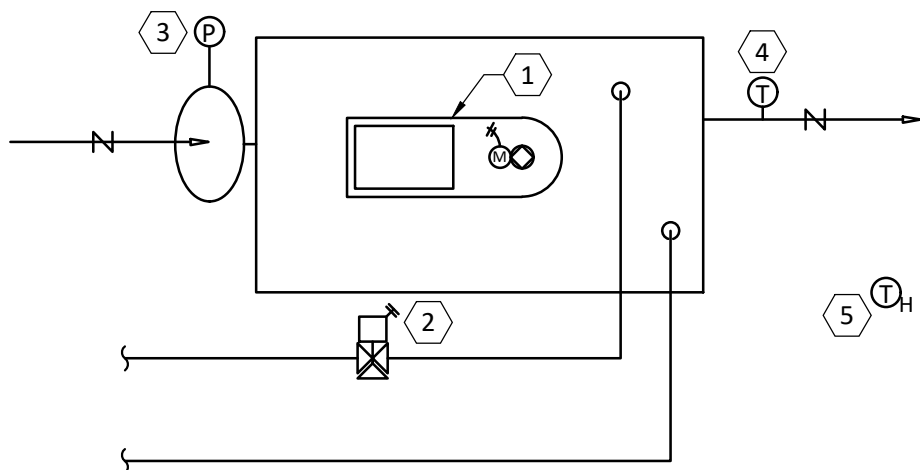
- A. FOR ALL CONTROL ELEMENTS PROVIDE COMMUNICATION TO, AND CONTROL SEQUENCES FROM, THE BUILDING AUTOMATION SYSTEM. REFER TO OPERATING AND CONTROL SEQUENCES IN THE SPECIFICATIONS.
- B. INSTALL CONTROL COMPONENTS FOLLOWING MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.



1 M6.1
DETAIL - HEATING HOT WATER CONTROLS SCHEMATIC DIAGRAM
NOT TO SCALE



3 M6.1
DETAIL - AIR HANDLER CONTROLS SCHEMATIC DIAGRAM
AHU-4
NOT TO SCALE



5 M6.1
HOT WATER REHEAT VARIABLE
DETAIL - AIR TERMINAL CONTROLS SCHEMATIC DIAGRAM
NOT TO SCALE

1 - M6.1 NOTES

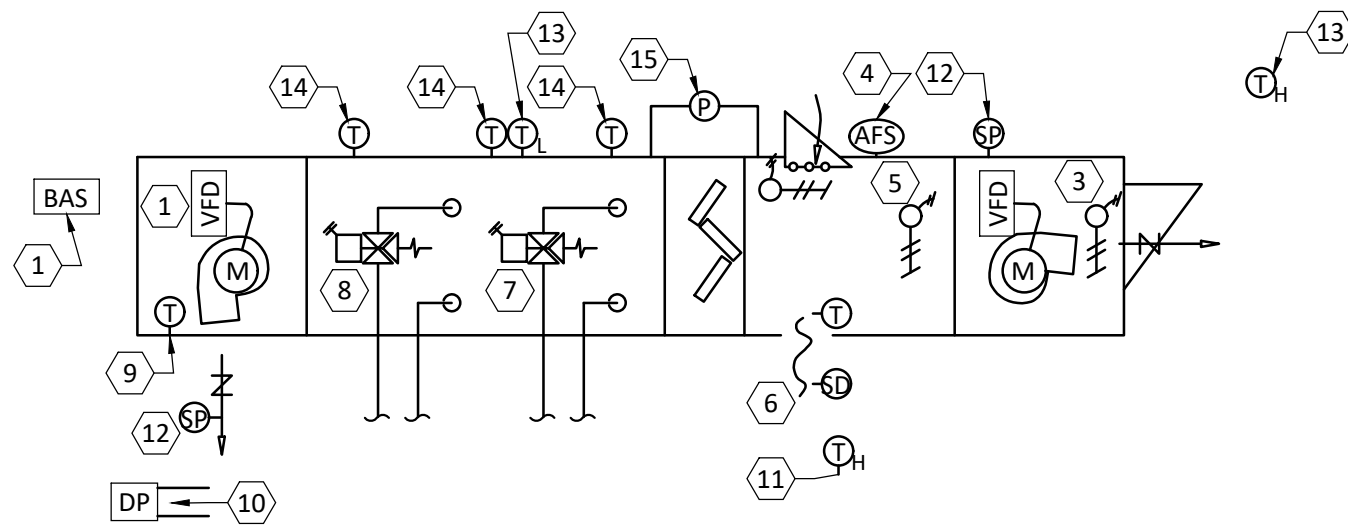
- EXISTING BOILER INTEGRAL CONTROLS, CIRCULATOR OPERATION, FLOW SWITCH, SAFETY FEATURES, STAGING AND COMMUNICATION TO BUILDING AUTOMATION SYSTEM TO REMAIN. BUILDING LOOP DESIGN TO BE 140 F. SUPPLY HEATING HOT WATER AND 120 F RETURN HEATING HOT WATER. REFER TO SEQUENCES IN THE SPECIFICATIONS.
- NEW BUILDING HEATING HOT WATER LOOP PUMPS TO OPERATE FROM NEW VARIABLE FREQUENCY DRIVES.
- NEW VARIABLE FREQUENCY DRIVES FOR PUMP CONTROL, PROVIDE COMMUNICATION AND SEQUENCES THROUGH BUILDING AUTOMATION SYSTEM. REFER TO SEQUENCES IN THE SPECIFICATIONS.
- PRESSURE DIFFERENTIAL SENSOR NEAR FURTHEST END OF SYSTEM.

3 - M6.1 NOTES

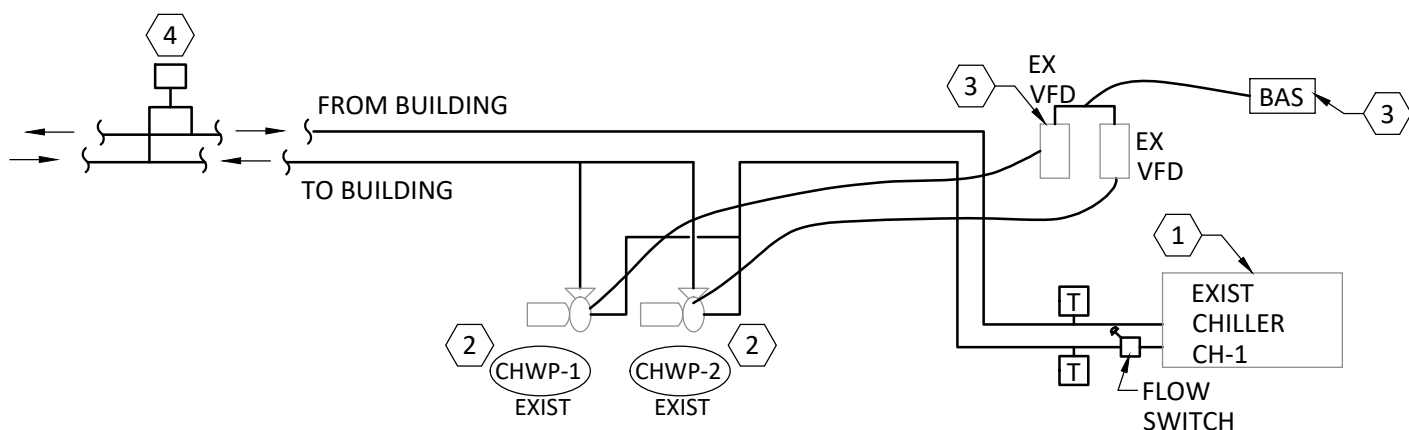
- SUPPLY FAN AND VFD AT AIR HANDLING UNIT, PROVIDE FAN OPERATING CONTROL AND SPEED MODULATION.
- OUTDOOR AIR INTAKE DAMPER AND MODULATING OPERATOR AT LOUVER. PROVIDE AIRFLOW MONITORING STATION TO CONTINUOUSLY MEASURE OUTDOOR AIR FLOW.
- SPACE RELIEF AIR FAN AND MODULATING MOTOR OPERATOR AT ROOF.
- SPACE RETURN AIR TO AIR HANDLING UNIT. PROVIDE RETURN AIR TEMPERATURE SENSOR AND DUCT MOUNTED SMOKE DETECTOR, COORDINATE WITH DIVISION 26.
- PROVIDE TWO-WAY MODULATING CONTROL VALVES FOR COOLING COIL.
- PROVIDE TWO-WAY MODULATING CONTROL VALVES FOR HEATING COIL.
- PROVIDE BUILDING SUPPLY AIR TEMPERATURE SENSOR.
- PROVIDE DUCT MOUNTED DIFFERENTIAL PRESSURE SENSOR IN DOWNSTREAM SUPPLY DUCTWORK LOCATED PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE TEMPERATURE AND HUMIDITY LEVEL SENSORS, REPRESENTATIVE OF INDOOR SPACE AND OUTDOOR CONDITIONS.
- PROVIDE HIGH STATIC PRESSURE SAFETY LIMIT SENSOR.
- PROVIDE LOW TEMPERATURE SAFETY LIMIT SENSOR.
- PROVIDE AIR TEMPERATURE SENSORS AT POINTS INDICATED IN THE AIR HANDLER.
- PROVIDE DIFFERENTIAL PRESSURE SENSOR FOR FILTER MAINTENANCE AT THE AIR HANDLING UNIT.

5 - M6.1 NOTES

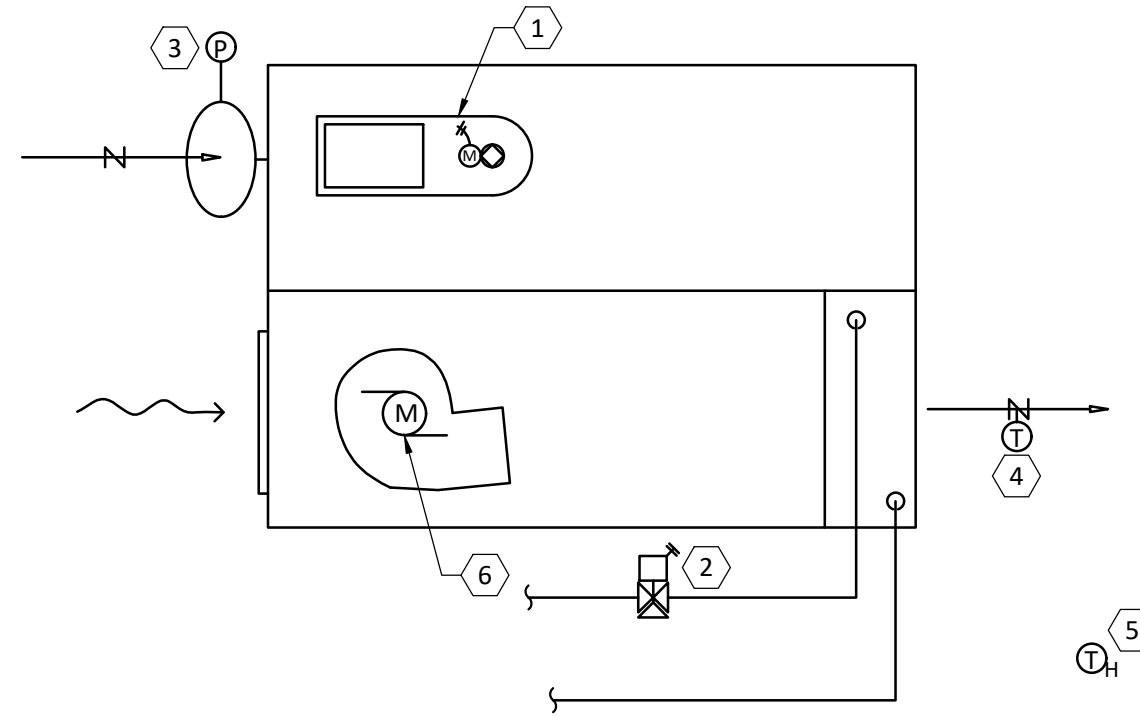
- PROVIDE TERMINAL CONTROLLER FOR VARYING DAMPER POSITION AND UNIT CONTROL.
- PROVIDE TWO-WAY MODULATING CONTROL VALVE FOR REHEAT COIL.
- PROVIDE PRESSURE SENSOR TO MONITOR AIRFLOW AT TERMINAL FLOW RING.
- PROVIDE DUCT MOUNTED SUPPLY AIR TEMPERATURE SENSOR.
- PROVIDE TEMPERATURE AND HUMIDITY LEVEL SENSORS, REPRESENTATIVE OF INDOOR SPACE.



2 M6.1
DETAIL - AIR HANDLER CONTROLS SCHEMATIC DIAGRAM
AHU-1, AHU-2, AHU-3, AHU-5
NOT TO SCALE



4 M6.1
DETAIL - CHILLED WATER CONTROLS SCHEMATIC DIAGRAM
NOT TO SCALE



6 M6.1
HOT WATER REHEAT FAN-POWERED VARIABLE PRIMARY
DETAIL - AIR VOLUME TERMINAL - CONTROL SCHEMATIC DIAGRAM
NOT TO SCALE

2 - M6.1 NOTES

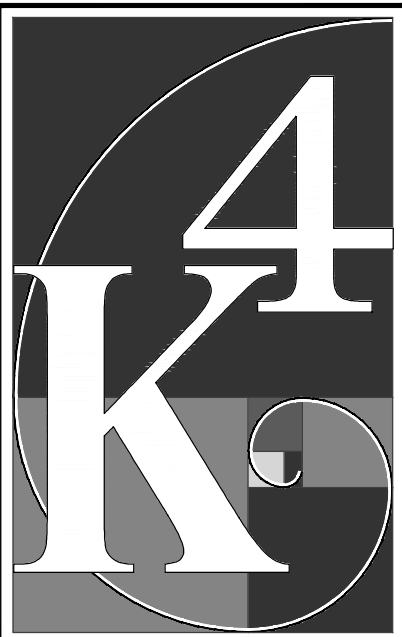
- SUPPLY FAN AND VFD AT AIR HANDLING UNIT, PROVIDE FAN OPERATING CONTROL AND SPEED MODULATION.
- EXHAUST FAN AND VFD AT AIR HANDLING UNIT, PROVIDE FAN OPERATING CONTROL AND SPEED MODULATION.
- EXHAUST DAMPER AND MODULATING MOTOR OPERATOR AT AIR HANDLING UNIT.
- OUTDOOR AIR INTAKE DAMPER AND MODULATING OPERATOR AT AIR HANDLING UNIT. PROVIDE AIRFLOW MONITORING STATION TO CONTINUOUSLY MEASURE OUTDOOR AIR FLOW.
- RELIEF DAMPER AND MODULATING MOTOR OPERATOR AT AIR HANDLING UNIT MIXING SECTION.
- SPACE RETURN AIR TO AIR HANDLING UNIT, PROVIDE RETURN AIR TEMPERATURE SENSOR AND DUCT MOUNTED SMOKE DETECTOR, COORDINATE WITH DIVISION 26.
- PROVIDE TWO-WAY MODULATING CONTROL VALVES FOR HEATING COIL.
- PROVIDE TWO-WAY MODULATING CONTROL VALVES FOR COOLING COIL.
- PROVIDE BUILDING SUPPLY AIR TEMPERATURE SENSOR.
- PROVIDE DUCT MOUNTED DIFFERENTIAL PRESSURE SENSOR IN DOWNSTREAM SUPPLY DUCTWORK LOCATED PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE TEMPERATURE AND HUMIDITY LEVEL SENSORS, REPRESENTATIVE OF INDOOR SPACE AND OUTDOOR CONDITIONS.
- PROVIDE HIGH AND LOW STATIC PRESSURE SAFETY LIMIT SENSORS.
- PROVIDE LOW TEMPERATURE SAFETY LIMIT SENSOR.
- PROVIDE AIR TEMPERATURE SENSORS AT POINTS INDICATED IN THE AIR HANDLER.
- PROVIDE DIFFERENTIAL PRESSURE SENSOR FOR FILTER MAINTENANCE AT THE AIR HANDLING UNIT.

4 - M6.1 NOTES

- EXISTING CHILLER INTEGRAL CONTROLS, FLOW SWITCH, SAFETY FEATURES, TEMPERATURE AND STAGING, AND COMMUNICATION TO BUILDING AUTOMATION SYSTEM TO REMAIN. REFER TO SEQUENCES IN THE SPECIFICATIONS.
- EXISTING BUILDING CHILLED WATER LOOP PUMPS TO OPERATE FROM EXISTING VARIABLE FREQUENCY DRIVES.
- EXISTING VARIABLE FREQUENCY DRIVES PROVIDE COMMUNICATION AND SEQUENCES THROUGH BUILDING AUTOMATION SYSTEM. REFER TO SEQUENCES IN THE SPECIFICATIONS.
- PRESSURE DIFFERENTIAL SENSOR NEAR FURTHEST END OF SYSTEM.

6 - M6.1 NOTES

- PROVIDE TERMINAL CONTROLLER FOR VARYING DAMPER POSITION AND UNIT CONTROL.
- PROVIDE TWO-WAY MODULATING CONTROL VALVE FOR REHEAT COIL.
- PROVIDE PRESSURE SENSOR TO MONITOR AIRFLOW AT TERMINAL FLOW RING.
- PROVIDE DUCT MOUNTED SUPPLY AIR TEMPERATURE SENSOR.
- PROVIDE TEMPERATURE AND HUMIDITY LEVEL SENSORS, REPRESENTATIVE OF INDOOR SPACE.
- PROVIDE CONTROL FOR OPERATION OF TERMINAL INDUCTION FAN.



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












































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
















ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
C	CONDUIT
CUH	CABINET UNIT HEATER
CKT	CIRCUIT
Cu	COPPER
EF	EXHAUST FAN
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EW C	ELECTRIC WATER COOLER
EX	EXISTING
FAA	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FAN COIL UNIT
FIXT	LIGHT FIXTURE
FLR	FLOOR
FS	FUSIBLE SWITCH
G	GROUND
GRC	GALVANIZED RIGID CONDUIT
GF	GROUND FAULT INTERRUPTING PROTECTION
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HP	HORSEPOWER
J	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATTS
LC	LIGHTING CONTRACTOR
LTG	LIGHTING
LV	LOW VOLTAGE
MECH	MECHANICAL
MCC	MOTOR CONTROL CENTER
NIC	NOT IN CONTRACT
NL	NIGHTLIGHT
NTS	NOT TO SCALE
P	POLE (PHASE)
PVC	POLYVINYL CHLORIDE
RAF	RETURN AIR FAN
RTU	ROOFTOP UNIT
SW	SWITCH
TCP	TEMPERATURE CONTROL PANEL
XFMR	TRANSFORMER
TR	TAMPER RESISTANT
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
V	VOLTS
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
W	WATTS
WP	WEATHERPROOF TYPE DEVICE

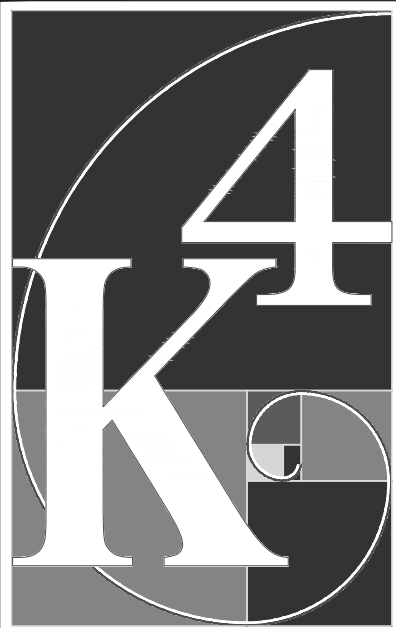
ELECTRICAL LEGEND

		LIGHT FIXTURE, LETTER DENOTES FIXTURE TYPE - REFER TO LIGHT FIXTURE SCHEDULE
		LIGHT FIXTURE ON EMERGENCY CIRCUIT
		SINGLE POLE SWITCH
		3-WAY SWITCH
		2 LEVEL SWITCHING
		WALL MOUNT OCCUPANCY SENSOR
		CEILING MOUNTED OCCUPANCY SENSOR
		DIMMER SWITCH
		COMBINATION DIMMER SWITCH/OCCUPANCY SENSOR
		SINGLE FACE EXIT SIGN (ARROWS AS NOTED ON PLANS)
		DOUBLE FACE EXIT SIGN (ARROWS AS NOTED ON PLANS)
		DUPLEX RECEPT, QUADRUPLX, C= COUNTER HEIGHT, TR= TAMPER RESISTANT
		SINGLE RECEPTACLE
		CEILING MOUNTED DUPLEX RECEPTACLE
		FLOOR RECEPTACLE, LETTER DESIGNATES TYPE, REFER TO SCHEDULE
		SPECIAL POWER OUTLET
		EXISTING LIGHT OR DEVICE
		MOTOR
		MOTOR RATED SWITCH
		NON-FUSED DISCONNECT SWITCH
		FUSED DISCONNECT SWITCH
		COMBINATION STARTER/DISCONNECT SWITCH
		MAGNETIC STARTERS
		JUNCTION BOX
		PANELBOARD
		EXISTING BRANCH CIRCUIT FEEDER
		HOME RUN TO PANEL, INDICATES PANEL AND CIRCUIT NUMBER
		BRANCH CIRCUIT/FEEDER
		TECHNOLOGY ROUGH-IN
		AUDIO/VISUAL ROUGH-IN
		TV MONITOR ROUGH-IN
		PROJECTOR MOUNT - SEE DETAIL
		CARD READER - SEE DETAIL
		MANUAL FIRE ALARM PULL STATION
		COMBINATION HORN/STROBE
		STROBE ONLY
		CEILING/STRUCTURE MOUNT COMBINATION HORN STROBE
		HEAT DETECTOR
		SMOKE DETECTOR
		DUCT SMOKE DETECTOR
		PRESSURE SWITCH
		TAMPER SWITCH
		WATER FLOW SWITCH

LIGHTING CONTROL DEVICES

	2 LEVEL SWITCHING, SINGLE POLE, DECORA STYLE
	2 LEVEL SWITCHING, 3-WAY, DECORA STYLE
	WSXA-PDT-2P
	ISD-400-ELV-120
	WSXA-PDT-D-SA
	WSXA-PDT
	NPODMA-DX
	SPODMA-D-SA
	NPODMA-4P
	NCM-PDT-10-RJB
	CM-PDT-10
	CMR-PDT-10
	CMR-PDT-9
	NPP16-D-EFP
	NPP16-D-ER-EFB
	PP20
	ETS-DR-A
	NPODMA

NOTE: CATALOG NUMBERS REFLECT ACUTY PRODUCT LINE



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ELECTRICAL
LEGEND &
ABBREVIATIONS

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E0.0

GENERAL DEMOLITION NOTES

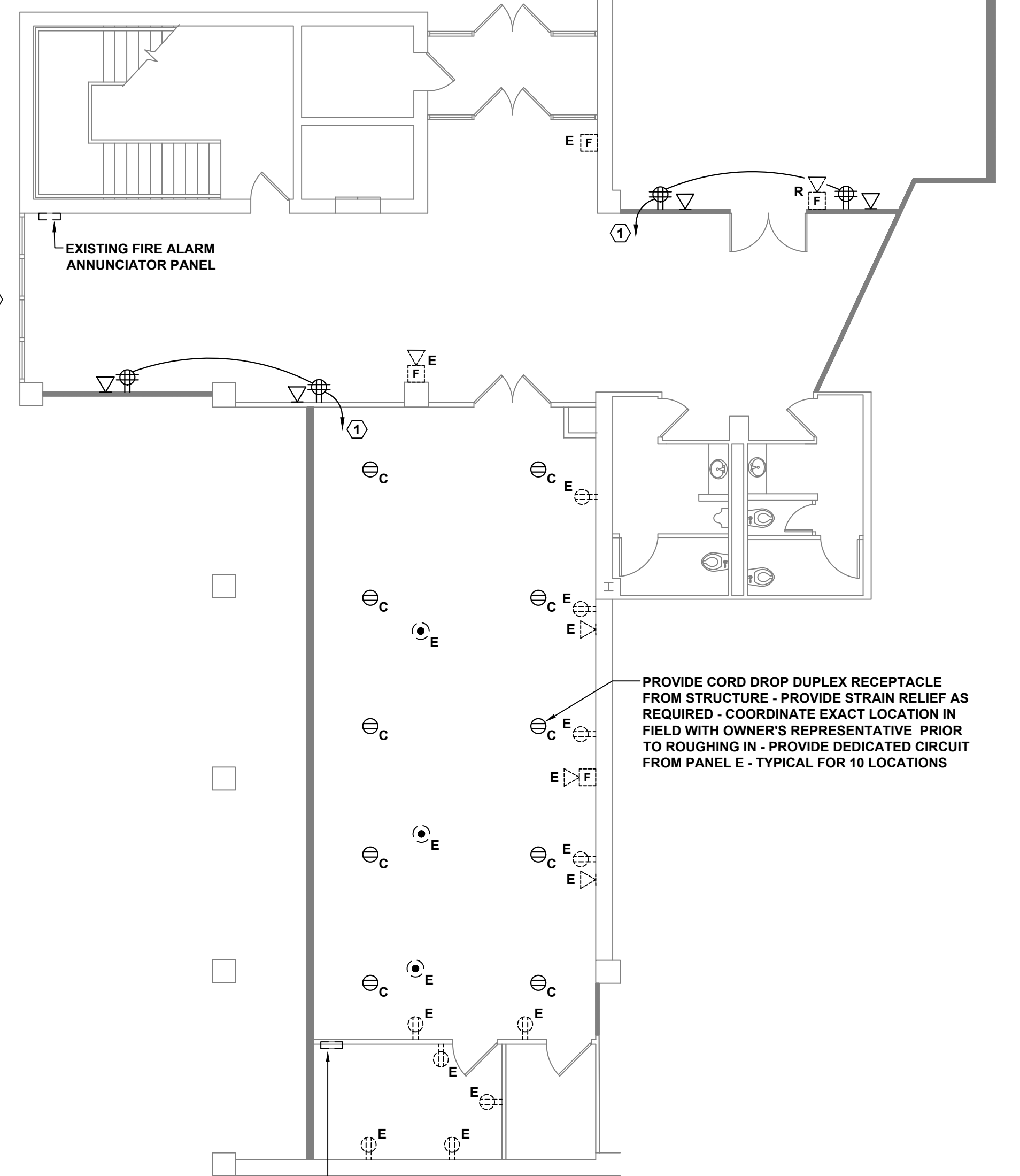
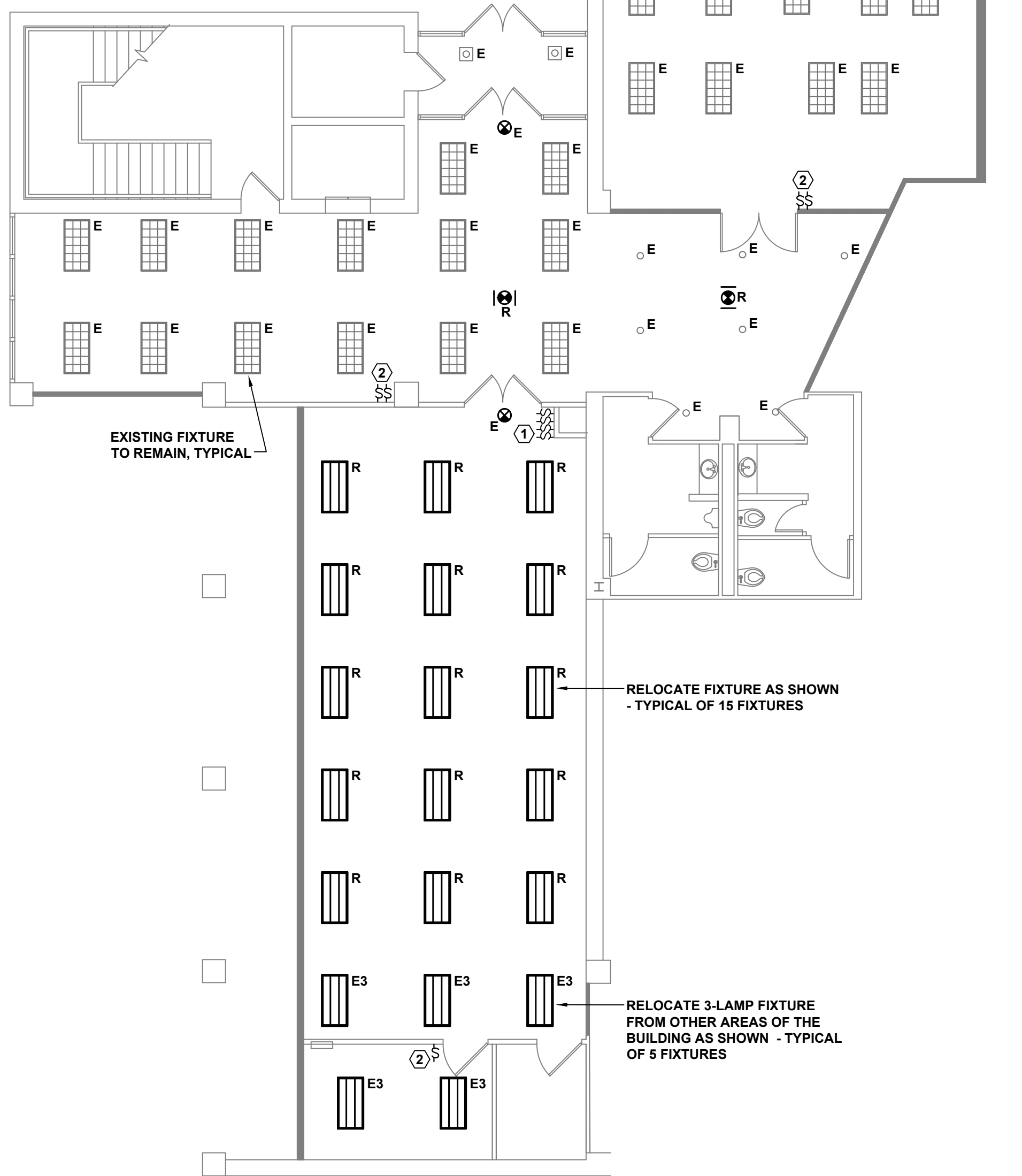
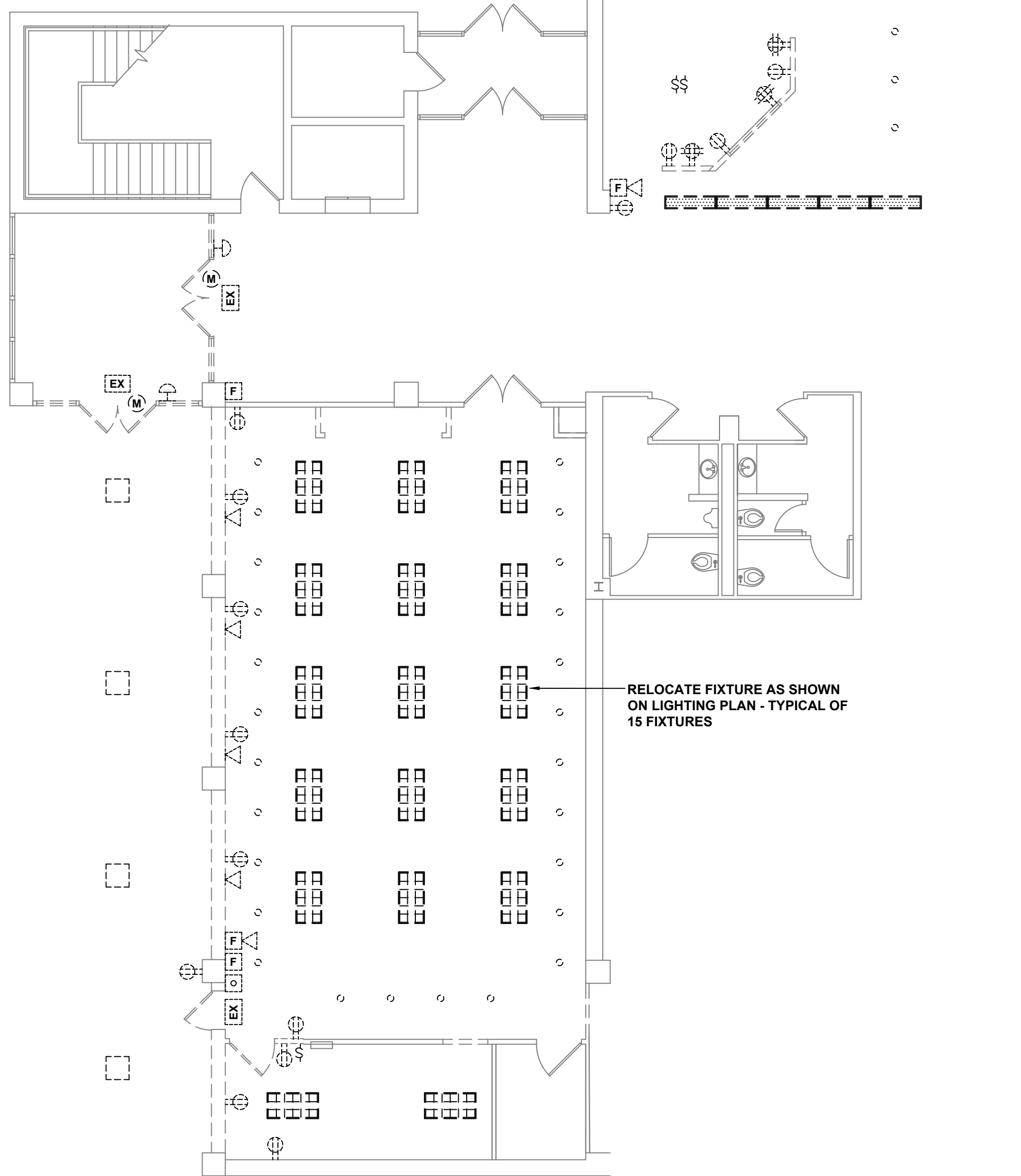
- A. REMOVE ALL FIXTURES AND DEVICES AS SHOWN. MAINTAIN CIRCUIT CONTINUITY TO DOWNSTREAM DEVICES.
- B. MAINTAIN ALL OTHER EXISTING FIXTURES NOT AND DEVICES IN THIS AREA DURING PHASE 1.
- C. REFER TO DEMOLITION PLANS FOR REMOVAL REQUIREMENTS DURING PHASE 2 OF THIS PROJECT.
- D. REFER TO SELECTIVE DEMOLITION SPECIFICATION FOR SPECIFIC REQUIREMENTS.

LIGHTING PLAN NOTES:

1. RE-USE EXISTING SWITCHES TO CONTROL LIGHTING IN THIS ROOM.
2. PROVIDE NEW SWITCHES TO CONTROL LIGHTING IN THIS ROOM.

POWER AND SYSTEMS PLAN NOTES:

1. PROVIDE NEW 20-AMP CIRCUIT FROM EXISTING PANEL E.
2. PROVIDE A 100-AMP, 208-VOLT, 3-PHASE FEEDER FOR TEMPORARY HVAC UNIT IN THIS APPROXIMATE LOCATION. ROUTE FEEDER INSIDE THE BUILDING AND PROVIDE OPENING IN WALL OUT TO THE UNIT. PATCH OPENING AS REQUIRED TO MAINTAIN THE ORIGINAL FINISH OF THE EXISTING WALL. PROVIDE CODE COMPLIANT OVERCURRENT PROTECTION AND DISCONNECT AS REQUIRED



PHASE 1 OCCUPIED AREA - DEMOLITION PLAN

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

PHASE 1 OCCUPIED AREA - LIGHTING PLAN

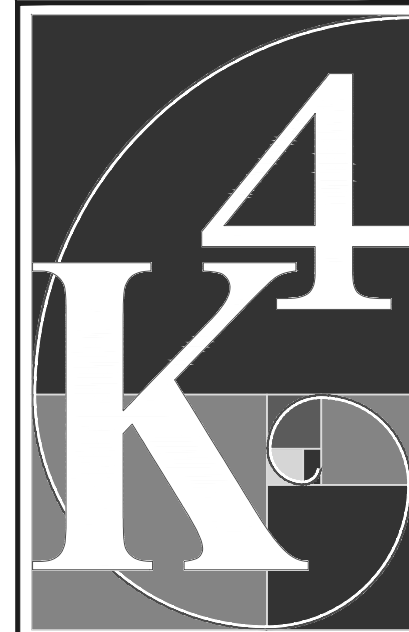
SCALE: 1/8" = 1'-0"

PHASE 1 OCCUPIED AREA - POWER AND SYSTEMS PLAN

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

GENERAL PROJECT NOTES

- A. ALL WORK SHALL CONFORM TO THE LATEST ADOPTED EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), OHIO BUILDING CODE (OBC) AND ANY APPLICABLE LOCAL CODE.
- B. REFER TO SPECIFICATION SECTIONS 260505 AND 260506 FOR SPECIFIC REQUIREMENTS FOR TEMPORARY OCCUPANCY DURING PHASE 1 OF THIS PROJECT.



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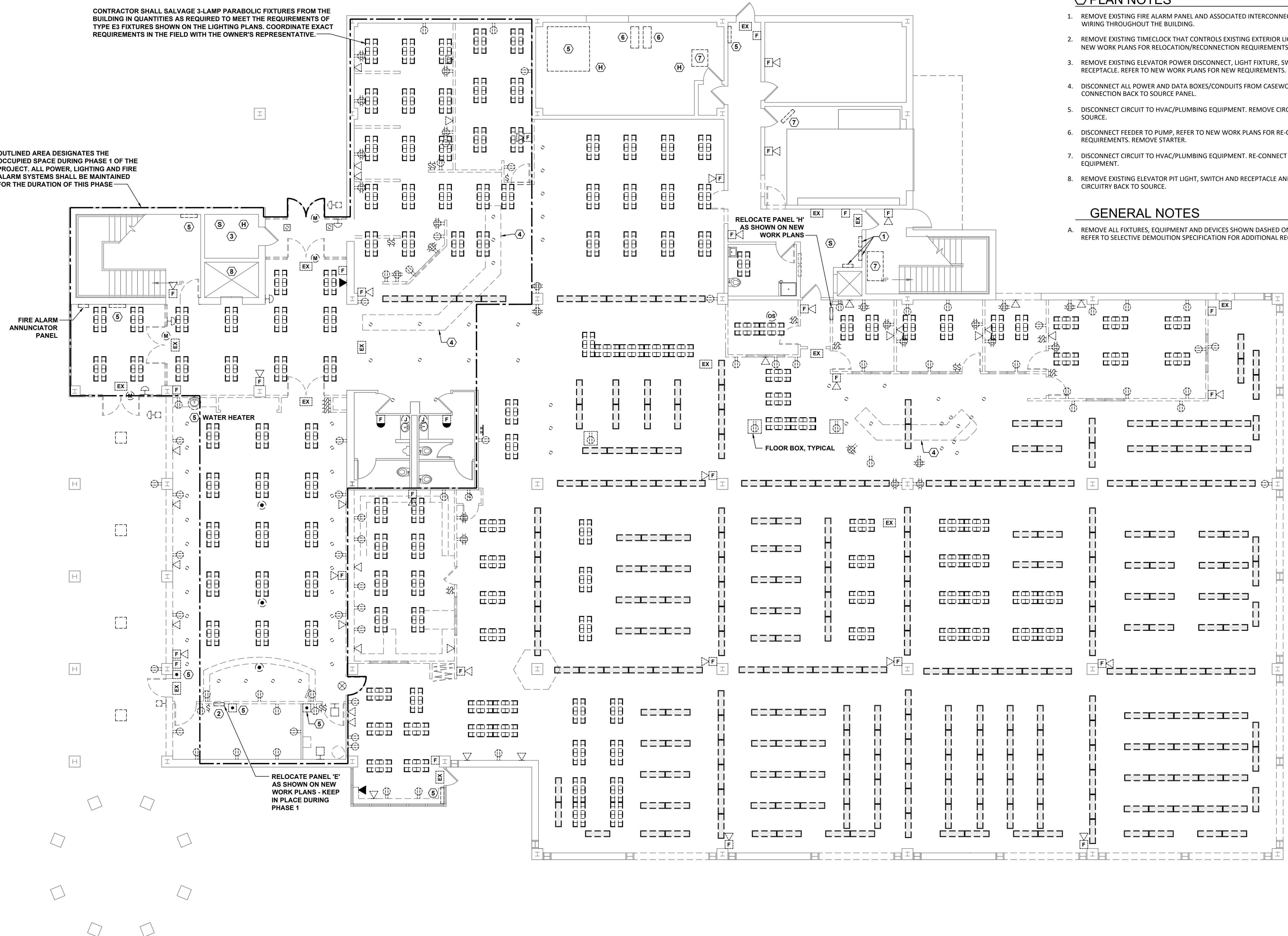
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ELECTRICAL PHASING PLANS

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Scale: AS NOTED
Job No.: 21-2113

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PLAN NOTES

1. REMOVE EXISTING FIRE ALARM PANEL AND ASSOCIATED INTERCONNECTED DEVICES AND WIRING THROUGHOUT THE BUILDING.
2. REMOVE EXISTING TIMECLOCK THAT CONTROLS EXISTING EXTERIOR LIGHTING, REFER TO NEW WORK PLANS FOR RELOCATION/RECONNECTION REQUIREMENTS.
3. REMOVE EXISTING ELEVATOR POWER DISCONNECT, LIGHT FIXTURE, SWITCH AND RECEPTACLE. REFER TO NEW WORK PLANS FOR NEW REQUIREMENTS.
4. DISCONNECT ALL POWER AND DATA BOXES/CONDUITS FROM CASEWORK. REMOVE ALL CONNECTION BACK TO SOURCE PANEL.
5. DISCONNECT CIRCUIT TO HVAC/PLUMBING EQUIPMENT. REMOVE CIRCUIT BACK TO SOURCE.
6. DISCONNECT FEEDER TO PUMP, REFER TO NEW WORK PLANS FOR RE-CONNECTION REQUIREMENTS. REMOVE STARTER.
7. DISCONNECT CIRCUIT TO HVAC/PLUMBING EQUIPMENT. RE-CONNECT TO REPLACEMENT EQUIPMENT.
8. REMOVE EXISTING ELEVATOR PIT LIGHT, SWITCH AND RECEPTACLE AND ALL ASSOCIATED CIRCUITRY BACK TO SOURCE.

GENERAL NOTES

- A. REMOVE ALL FIXTURES, EQUIPMENT AND DEVICES SHOWN DASHED ON THIS DRAWING. REFER TO SELECTIVE DEMOLITION SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

FIRST FLOOR ELECTRICAL DEMOLITION PLAN

SCALE:

1/8" = 1'-0"



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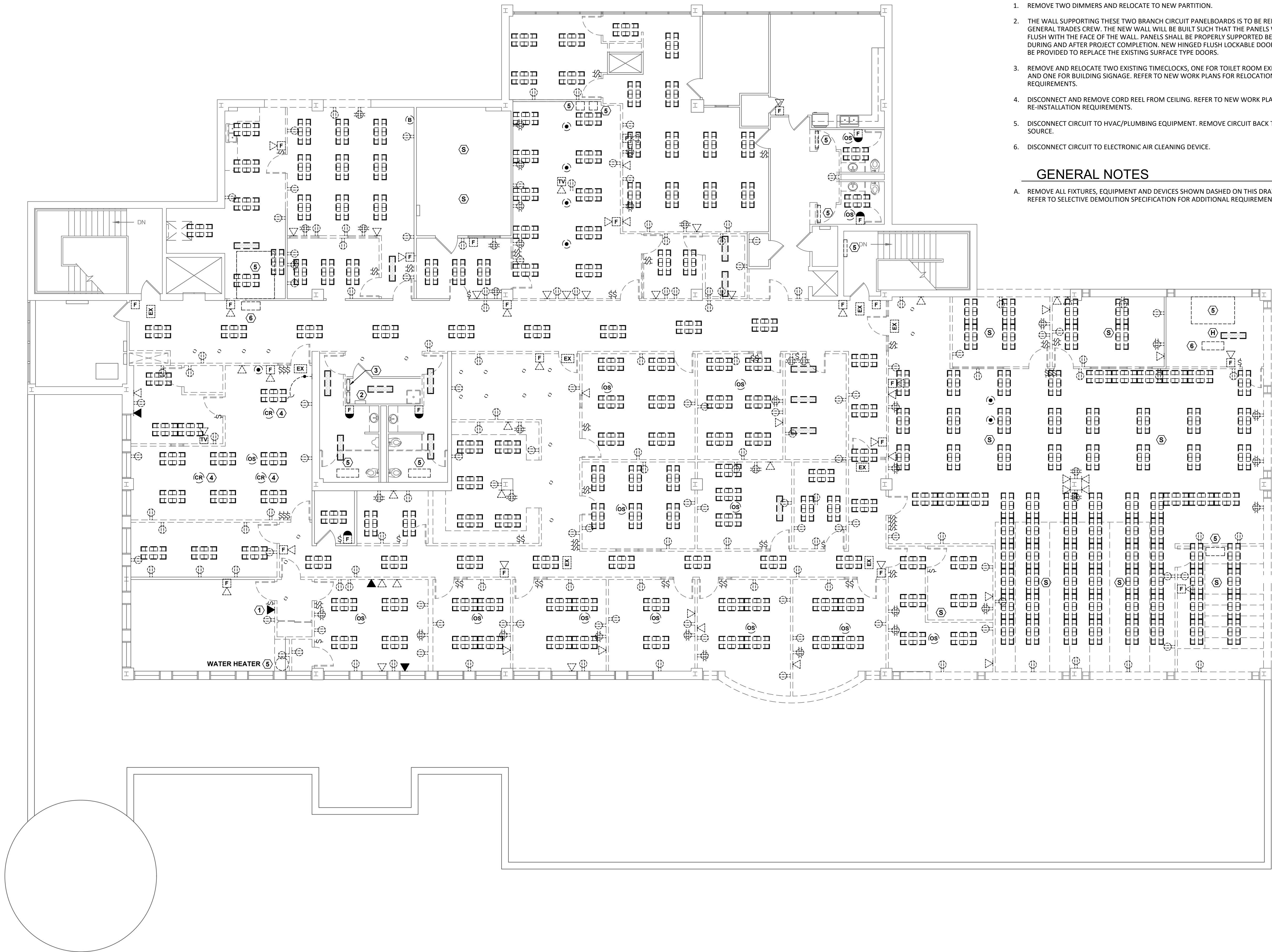
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FIRST FLOOR
ELECTRICAL
DEMOLITION PLAN

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

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SECOND FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

PLAN NOTES

1. REMOVE TWO DIMMERS AND RELOCATE TO NEW PARTITION.
2. THE WALL SUPPORTING THESE TWO BRANCH CIRCUIT PANELBOARDS IS TO BE REMOVED BY GENERAL TRADES CREW. THE NEW WALL WILL BE BUILT SUCH THAT THE PANELS WILL BE FLUSH WITH THE FACE OF THE WALL. PANELS SHALL BE PROPERLY SUPPORTED BEFORE, DURING AND AFTER PROJECT COMPLETION. NEW HINGED FLUSH LOCKABLE DOORS SHALL BE PROVIDED TO REPLACE THE EXISTING SURFACE TYPE DOORS.
3. REMOVE AND RELOCATE TWO EXISTING TIMECLOCKS, ONE FOR TOILET ROOM EXHAUST AND ONE FOR BUILDING SIGNAGE. REFER TO NEW WORK PLANS FOR RELOCATION REQUIREMENTS.
4. DISCONNECT AND REMOVE CORD REEL FROM CEILING. REFER TO NEW WORK PLANS FOR RE-INSTALLATION REQUIREMENTS.
5. DISCONNECT CIRCUIT TO HVAC/PLUMBING EQUIPMENT. REMOVE CIRCUIT BACK TO SOURCE.
6. DISCONNECT CIRCUIT TO ELECTRONIC AIR CLEANING DEVICE.

GENERAL NOTES

- A. REMOVE ALL FIXTURES, EQUIPMENT AND DEVICES SHOWN DASHED ON THIS DRAWING. REFER TO SELECTIVE DEMOLITION SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

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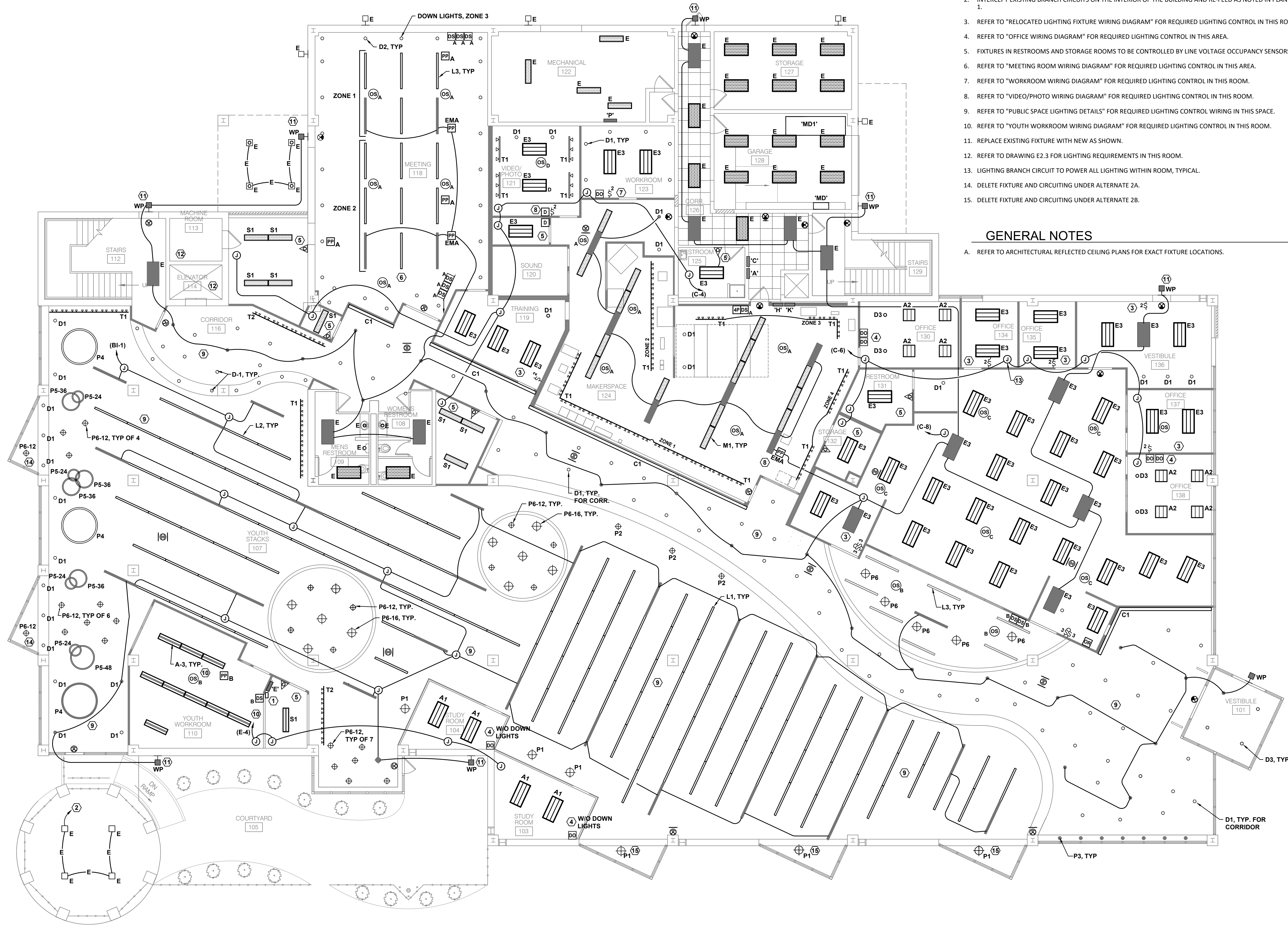
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SECOND FLOOR
ELECTRICAL
DEMOLITION PLAN

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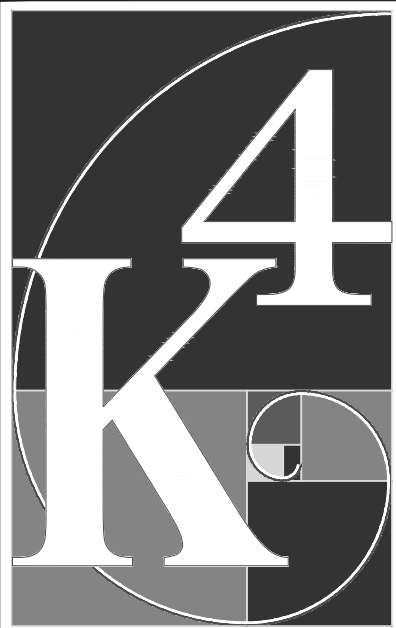


PLAN NOTES

1. RELOCATE EXISTING EXTERIOR LIGHTING TIMECLOCK TO THIS LOCATION. INTERCEPT EXISTING CIRCUIT FEEDING EXISTING EXTERIOR LIGHTING FIXTURES AND RE-FEED WITH 20A/1P BREAKER IN RELOCATED PANEL E. EXTEND EXISTING PHOTOCELL CIRCUIT AS REQUIRED.
2. INTERCEPT EXISTING BRANCH CIRCUITS ON THE INTERIOR OF THE BUILDING AND RE-FEED AS NOTED IN PLAN NOTE NUMBER 1.
3. REFER TO "RELOCATED LIGHTING FIXTURE WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS ROOM.
4. REFER TO "OFFICE WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS AREA.
5. FIXTURES IN RESTROOMS AND STORAGE ROOMS TO BE CONTROLLED BY LINE VOLTAGE OCCUPANCY SENSORS.
6. REFER TO "MEETING ROOM WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS AREA.
7. REFER TO "WORKROOM WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS ROOM.
8. REFER TO "VIDEO/PHOTO WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS ROOM.
9. REFER TO "PUBLIC SPACE LIGHTING DETAILS" FOR REQUIRED LIGHTING CONTROL WIRING IN THIS SPACE.
10. REFER TO "YOUTH WORKROOM WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS ROOM.
11. REPLACE EXISTING FIXTURE WITH NEW AS SHOWN.
12. REFER TO DRAWING E2.3 FOR LIGHTING REQUIREMENTS IN THIS ROOM.
13. LIGHTING BRANCH CIRCUIT TO POWER ALL LIGHTING WITHIN ROOM, TYPICAL.
14. DELETE FIXTURE AND CIRCUITING UNDER ALTERNATE 2A.
15. DELETE FIXTURE AND CIRCUITING UNDER ALTERNATE 2B.

GENERAL NOTES

- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS.



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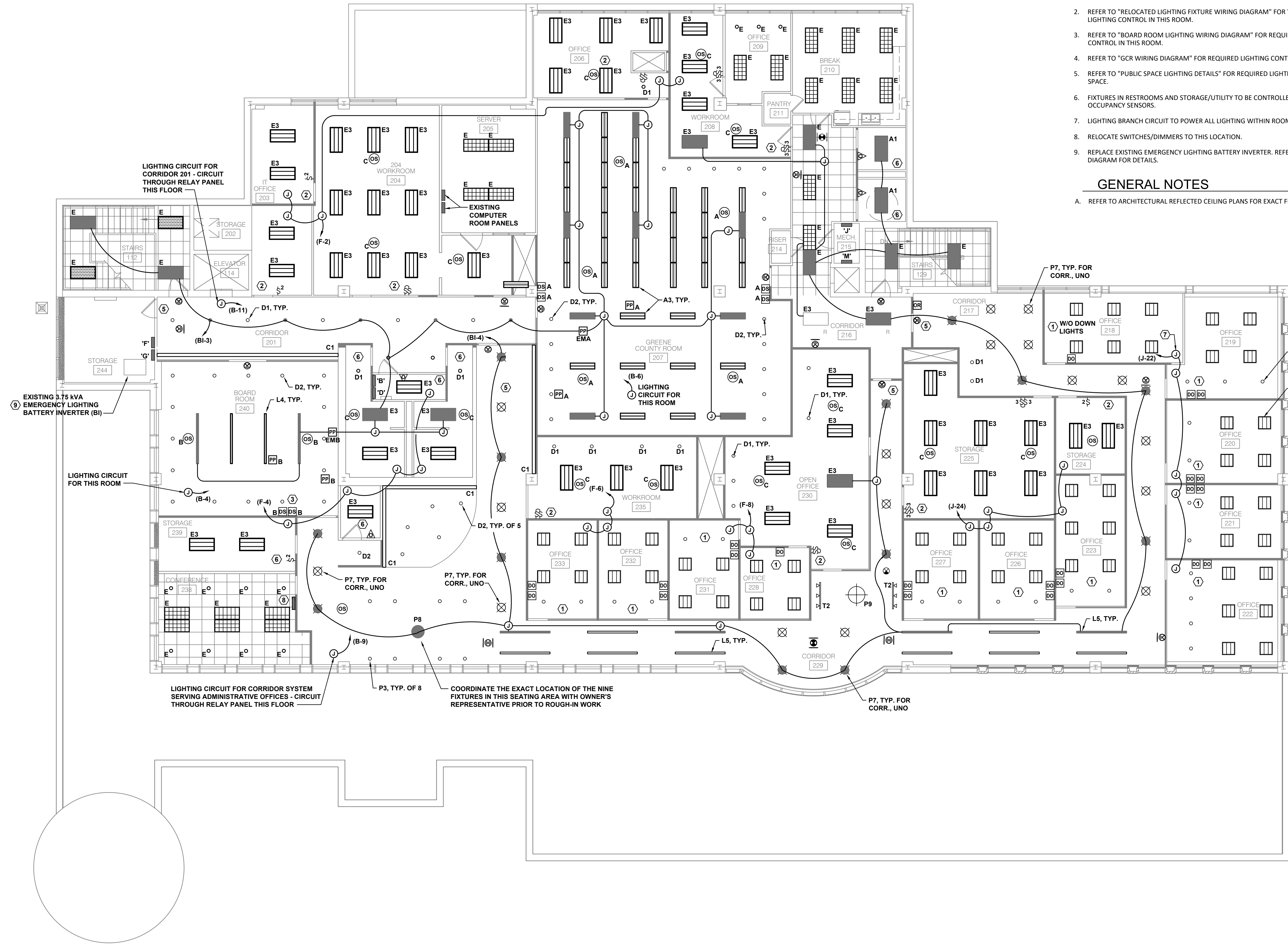
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PEM SERVICES, LLC
Professional Engineering and Project Management

FIRST FLOOR
LIGHTING PLAN

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E1.1



PLAN NOTES

1. REFER TO "OFFICE WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS ROOM.
2. REFER TO "RELOCATED LIGHTING FIXTURE WIRING DIAGRAM" FOR THE REQUIRED LIGHTING CONTROL IN THIS ROOM.
3. REFER TO "BOARD ROOM LIGHTING WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS ROOM.
4. REFER TO "GCR WIRING DIAGRAM" FOR REQUIRED LIGHTING CONTROL IN THIS ROOM.
5. REFER TO "PUBLIC SPACE LIGHTING DETAILS" FOR REQUIRED LIGHTING CONTROL IN THIS SPACE.
6. FIXTURES IN RESTROOMS AND STORAGE/UTILITY TO BE CONTROLLED BY LINE VOLTAGE OCCUPANCY SENSORS.
7. LIGHTING BRANCH CIRCUIT TO POWER ALL LIGHTING WITHIN ROOM, TYPICAL.
8. RELOCATE SWITCHES/DIMMERS TO THIS LOCATION.
9. REPLACE EXISTING EMERGENCY LIGHTING BATTERY INVERTER. REFER TO SINGLE LINE DIAGRAM FOR DETAILS.

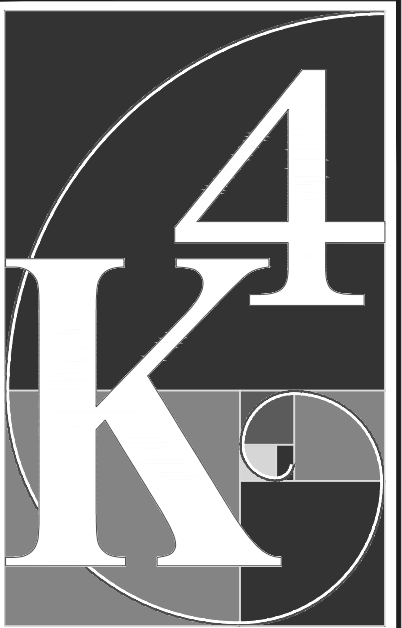
GENERAL NOTES

- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS.

SECOND FLOOR LIGHTING PLAN

SCALE:

1/8" = 1'-0"



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LIGHTING PLAN

Drawn By: JEP, CDG
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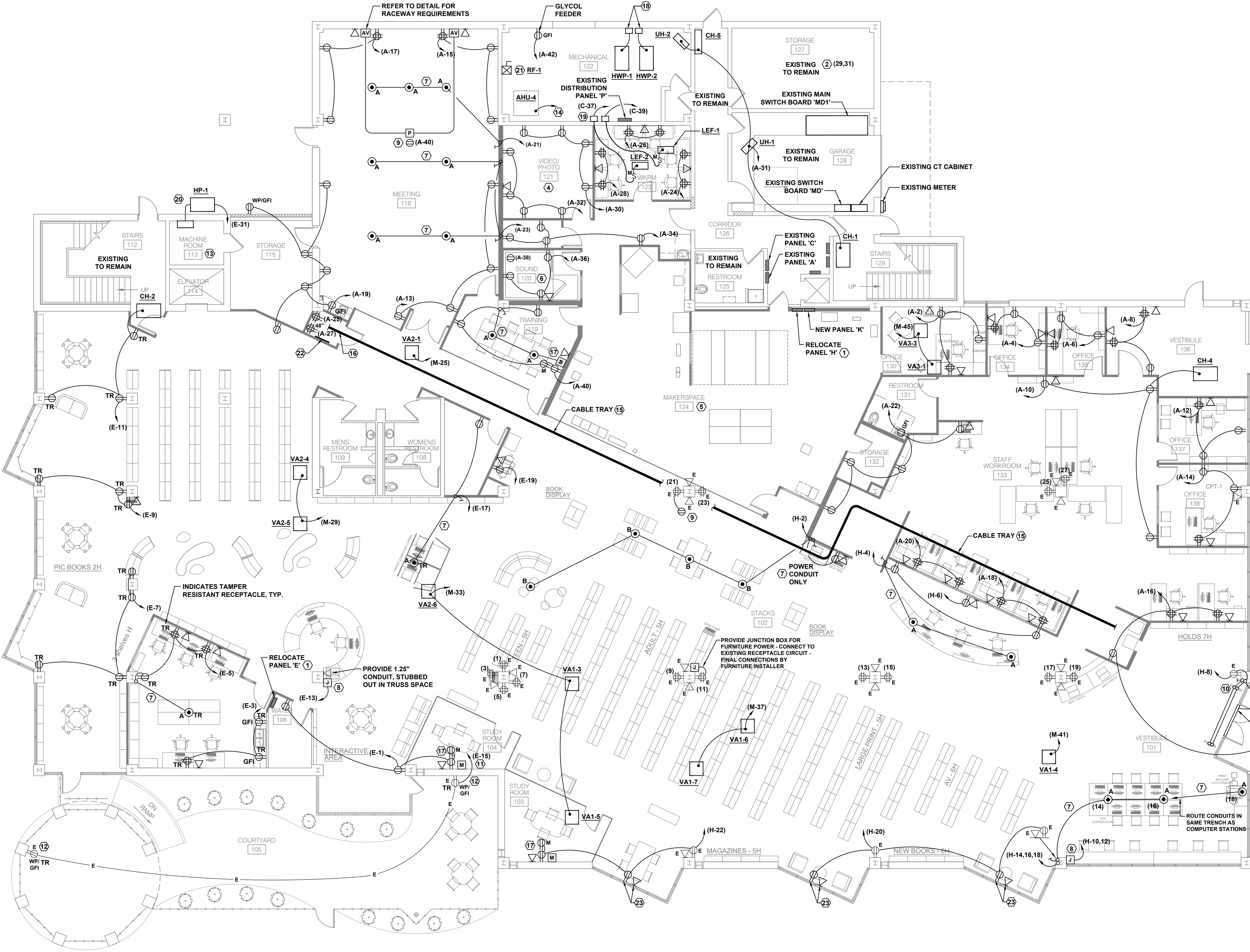
E1.2

GENERAL NOTES

A. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FLOOR BOX LOCATIONS. FIELD VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE PRIOR TO COMMENCING SAW CUTTING ACTIVITIES.

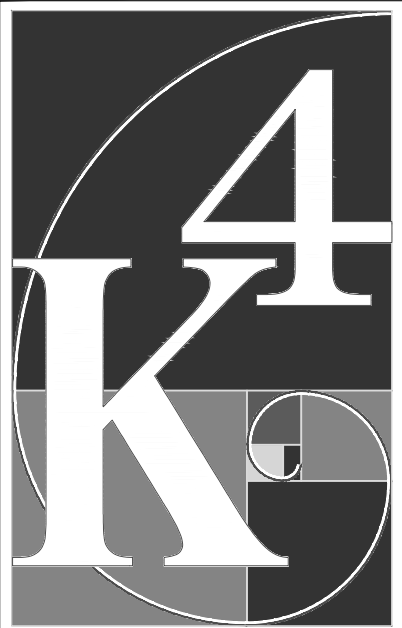
PLAN NOTES

- RELOCATE EXISTING BRANCH CIRCUIT PANEL TO NEW LOCATION AS SHOWN. EXTEND THE EXISTING FEEDER AS REQUIRED, MATCH EXISTING CONDUCTOR TYPE/SIZE AND CONDUIT SIZE. EXTEND ALL EXISTING BRANCH CIRCUITS AS SCHEDULED. PROVIDE NEW BRANCH CIRCUITS AS SCHEDULED. REFER TO PANEL SCHEDULE FOR CIRCUIT QUANTITIES.
- RECONNECT TWO BRANCH CIRCUITS IN THIS ROOM TO RELOCATED PANEL H, REFER TO PANEL SCHEDULE.
- MAKE CONNECTION TO POWER OPERATED DOORS CONTROLLER.
- PROVIDE BOX EXTENSIONS FOR ALL DEVICES TO ACCOMMODATE INSULATED WALL PANELS IN THIS ROOM.
- REFER TO DRAWING E2.3 ENLARGED PLAN FOR EQUIPMENT POWER REQUIREMENTS.
- ROUTE CONDUITS DOWN COLUMN AND INTO CASEWORK. ROUTE CONDUITS WITHIN CASEWORK. COORDINATE ROUGH-IN REQUIREMENTS IN FIELD WITH OWNER'S REPRESENTATIVE.
- SAW CUT EXISTING CONCRETE FLOOR SLAB FOR 1" POWER CONDUIT AND 1.25" NETWORK CONDUIT. ROUTE CONDUITS IN WALL/COLUMN ENCLOSURE. STUB NETWORK CONDUIT OUT IN TRUSS SPACE (OR ACCESSIBLE CEILING). RUN CONDUITS TO ALL FLOOR BOXES.
- PROVIDE 1" POWER CONDUIT AND 1.25" NETWORK CONDUIT FOR WIREWAY CIRCUITS AND CABLING. RUN IN COLUMN ENCLOSURE AND STUB NETWORK CONDUIT OUT IN TRUSS SPACE.
- PROVIDE CEILING MOUNTED DUPLEX RECEPTACLE FOR PROJECTOR AND/OR MONITOR.
- SAW CUT EXISTING CONCRETE FLOOR SLAB FOR 3/4" POWER CONDUIT AND 1" NETWORK CONDUIT FOR ANTI-THEFT EQUIPMENT. STUB CONDUITS UP AT THREE LOCATIONS. COORDINATE EXACT REQUIREMENTS WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO COMMENCING WORK.
- PROVIDE NEW CIRCUIT FOR EXISTING RECEPTACLES.
- REPLACE EXISTING RECEPTACLE.
- REFER TO DRAWING E2.3 FOR ELEVATOR POWER, LIGHTING AND CONTROL REQUIREMENTS.
- MAKE FINAL CONNECTION TO FACTORY MOUNTED DISCONNECT SWITCH. REFER TO SINGLE LINE DIAGRAM FOR FEEDER REQUIREMENTS.
- LOCATE CABLE TRAY ABOVE CEILING. COORDINATE LOCATION WITH DUCTWORK, SPRINKLER PIPING, ETC. WITH OTHER TRADES. PROVIDE OFFSETS AS REQUIRED TO MISS OBSTRUCTIONS.
- PROVIDE VERTICAL SECTION OF TRAY, MOUNTED ON BACK WALL, TRANSITION INTO ANOTHER HORIZONTAL SECTION, THE WIDTH OF THE ROOM, ABOVE NETWORK RACKS. COORDINATE EXACT REQUIREMENTS WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- REFER TO "MONITOR ROUGH-IN DETAIL" FOR ADDITIONAL REQUIREMENTS.
- VARIABLE FREQUENCY DRIVE (VFD) FOR REPLACEMENT HOT WATER PUMPS. RE-USE EXISTING FEEDER AND MAKE CONNECTIONS TO VFD AND PUMP MOTORS.
- TWO VARIABLE FREQUENCY DRIVES, ONE PER FAN. PROVIDE A 30A, 2 HP RATED, 230-VOLT MOTOR RATED TOGGLE SWITCH FOR DISCONNECT AT EACH FAN (SQUARE D TYPE K). PROVIDE CIRCUITS AS SHOWN, (2 #10, 1 #10G, 3/4" C.).
- PROVIDE FINAL CONNECTION TO INDOOR UNIT FROM OUTDOOR UNIT. PROVIDE NEMA 3R, 250-VOLT, 30-AMP, 2-POLE DISCONNECT MOUNTED ADJACENT TO UNIT.
- COMBINATION STARTER FOR RF-1 LOCATED ON ROOF.
- PROVIDE A 3/4" x 20" COPPER GROUND BAR WITH INSULATED STAND-OFFS. CONNECT TO MAIN SERVICE WITH A #4 COPPER CONDUCTOR.
- DELETE DEVICES AND CIRCUITING UNDER ALTERNATE 2B.



FIRST FLOOR POWER PLAN

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



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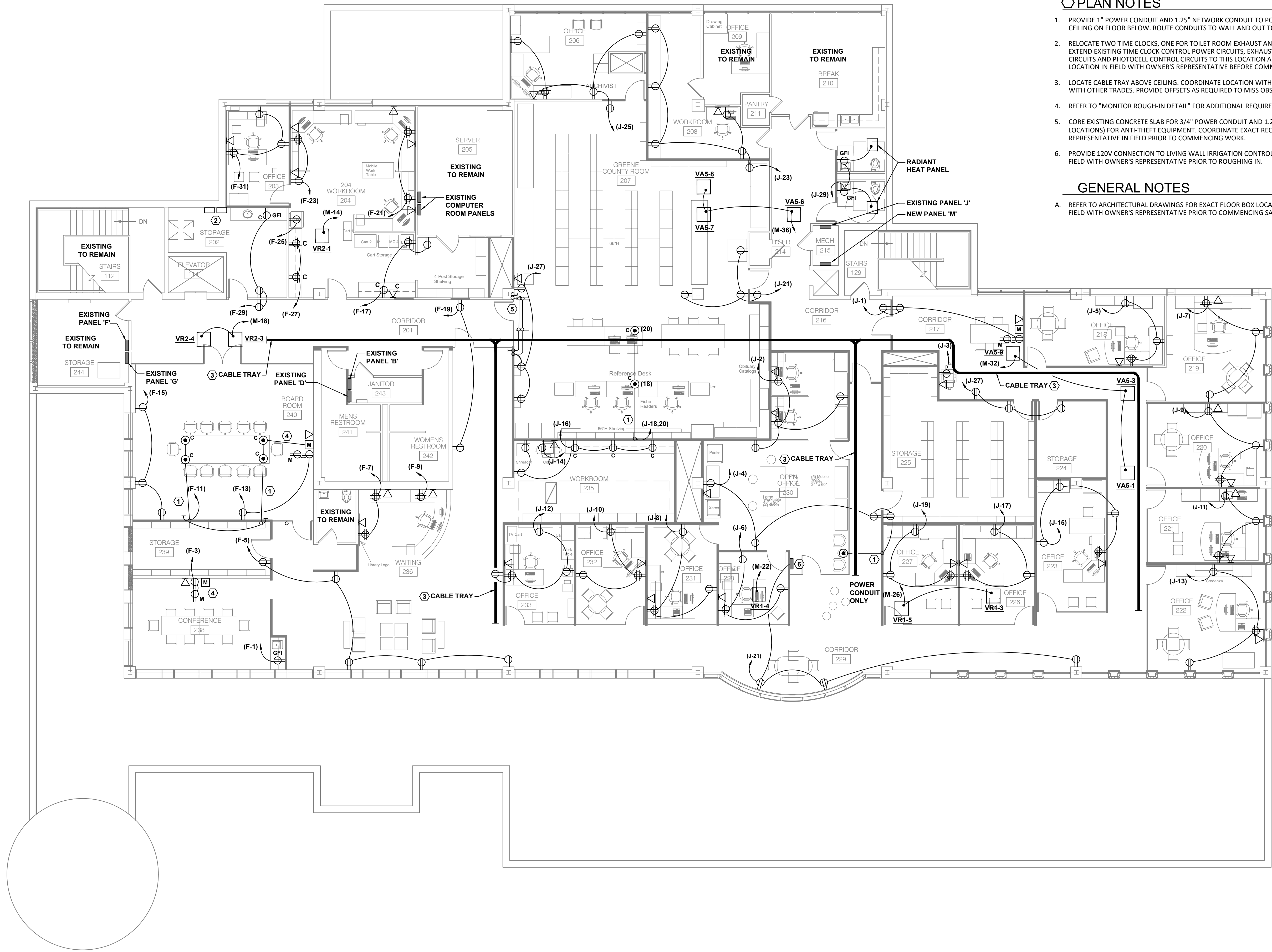
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FIRST FLOOR POWER PLAN

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E2.1



PLAN NOTES

1. PROVIDE 1" POWER CONDUIT AND 1.25" NETWORK CONDUIT TO POKE-THRU FLOOR BOXES. RUN ABOVE CEILING ON FLOOR BELOW. ROUTE CONDUITS TO WALL AND OUT TO ABOVE CEILING THIS FLOOR.
2. RELOCATE TWO TIME CLOCKS, ONE FOR TOILET ROOM EXHAUST AND ONE FOR BUILDING SIGNAGE. EXTEND EXISTING TIME CLOCK CONTROL POWER CIRCUITS, EXHAUST FAN CIRCUIT, THREE BUILDING SIGN CIRCUITS AND PHOTOCELL CONTROL CIRCUITS TO THIS LOCATION AS REQUIRED. COORDINATE EXACT LOCATION IN FIELD WITH OWNER'S REPRESENTATIVE BEFORE COMMENCING WITH THE WORK.
3. LOCATE CABLE TRAY ABOVE CEILING. COORDINATE LOCATION WITH DUCTWORK, SPRINKLER PIPING, ETC. WITH OTHER TRADES. PROVIDE OFFSETS AS REQUIRED TO MISS OBSTRUCTIONS.
4. REFER TO "MONITOR ROUGH-IN DETAIL" FOR ADDITIONAL REQUIREMENTS.
5. CORE EXISTING CONCRETE SLAB FOR 3/4" POWER CONDUIT AND 1.25" NETWORK CONDUIT (AT THREE LOCATIONS) FOR ANTI-THEFT EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO COMMENCING WORK.
6. PROVIDE 120V CONNECTION TO LIVING WALL IRRIGATION CONTROLLER. COORDINATE EXACT LOCATION IN FIELD WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGHING IN.

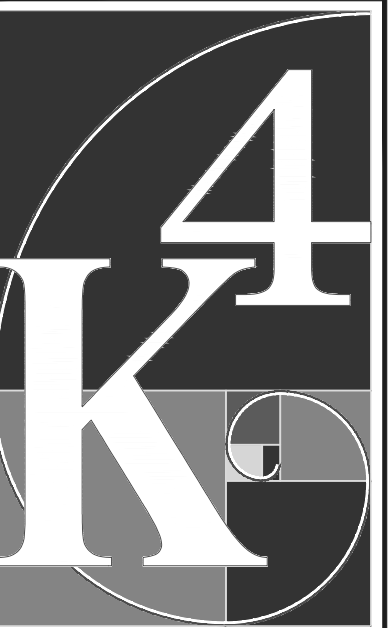
GENERAL NOTES

- A. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FLOOR BOX LOCATIONS. FIELD VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE PRIOR TO COMMENCING SAW CUTTING ACTIVITIES.

SECOND FLOOR POWER PLAN

SCALE:

1/8" = 1'-0"



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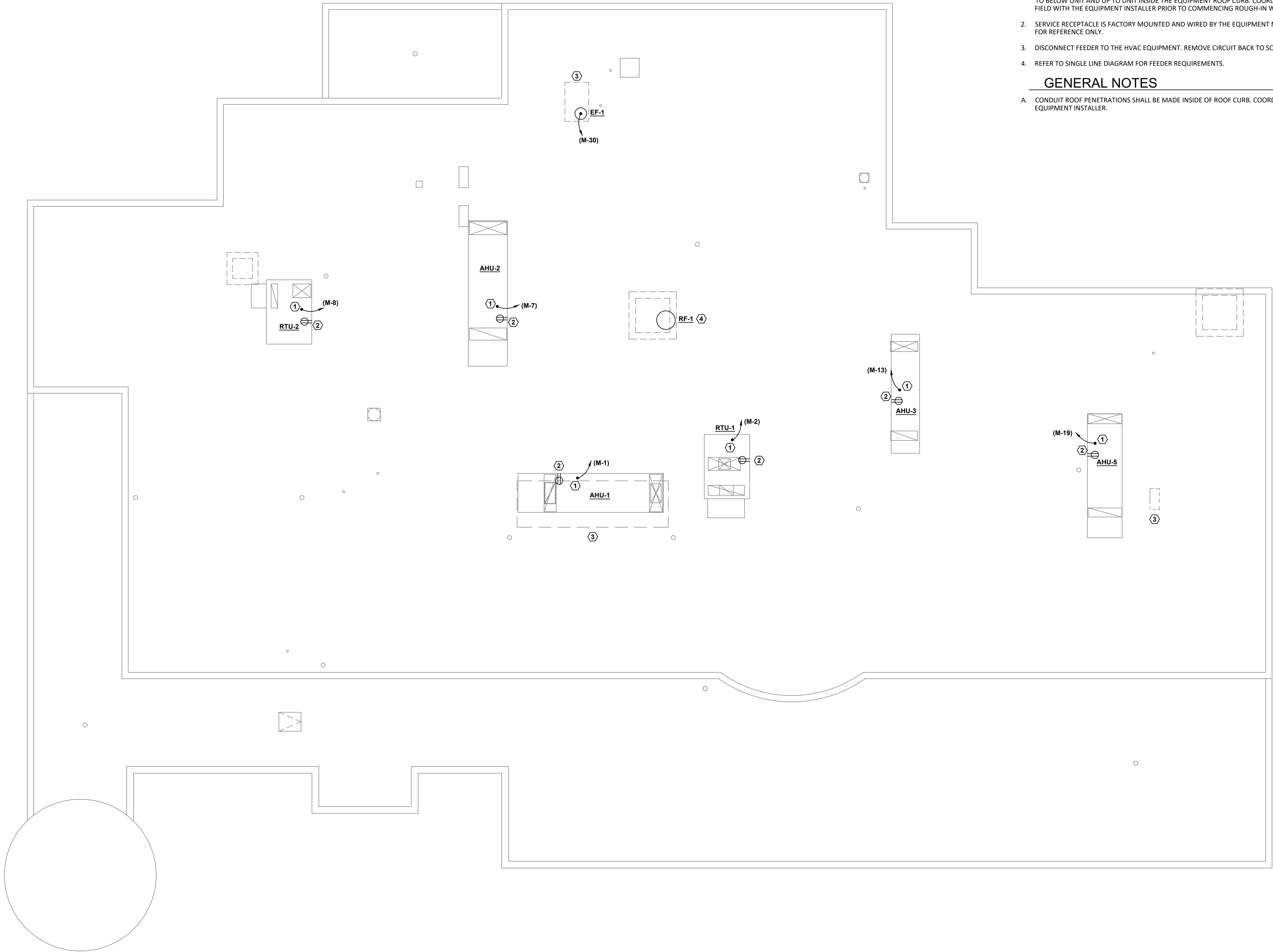
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Professional Engineering and Project Management

SECOND FLOOR
POWER PLAN

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E2.2

E2.3



ROOF POWER PLAN

SCALE:

1/8" = 1'-0"

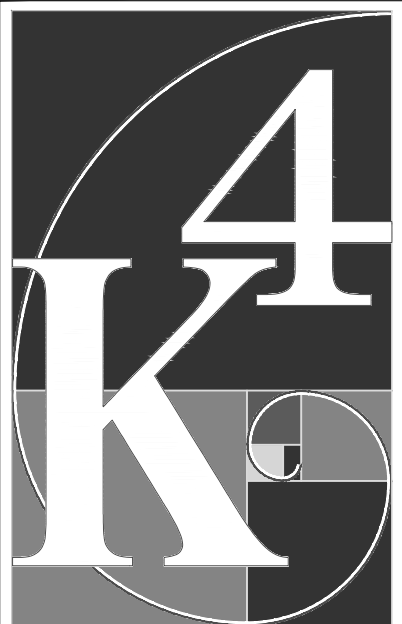


PLAN NOTES

1. MAKE FINAL CONNECTION TO FACTORY MOUNTED DISCONNECT SWITCH. ROUTE FEEDER INSIDE BUILDING TO BELOW UNIT AND UP TO UNIT INSIDE THE EQUIPMENT ROOF CURB. COORDINATE EXACT LOCATION IN FIELD WITH THE EQUIPMENT INSTALLER PRIOR TO COMMENCING ROUGH-IN WORK.
2. SERVICE RECEPTACLE IS FACTORY MOUNTED AND WIRED BY THE EQUIPMENT MANUFACTURER, SHOWN FOR REFERENCE ONLY.
3. DISCONNECT FEEDER TO THE HVAC EQUIPMENT. REMOVE CIRCUIT BACK TO SOURCE.
4. REFER TO SINGLE LINE DIAGRAM FOR FEEDER REQUIREMENTS.

GENERAL NOTES

- A. CONDUIT ROOF PENETRATIONS SHALL BE MADE INSIDE OF ROOF CURB. COORDINATE WITH EQUIPMENT INSTALLER.



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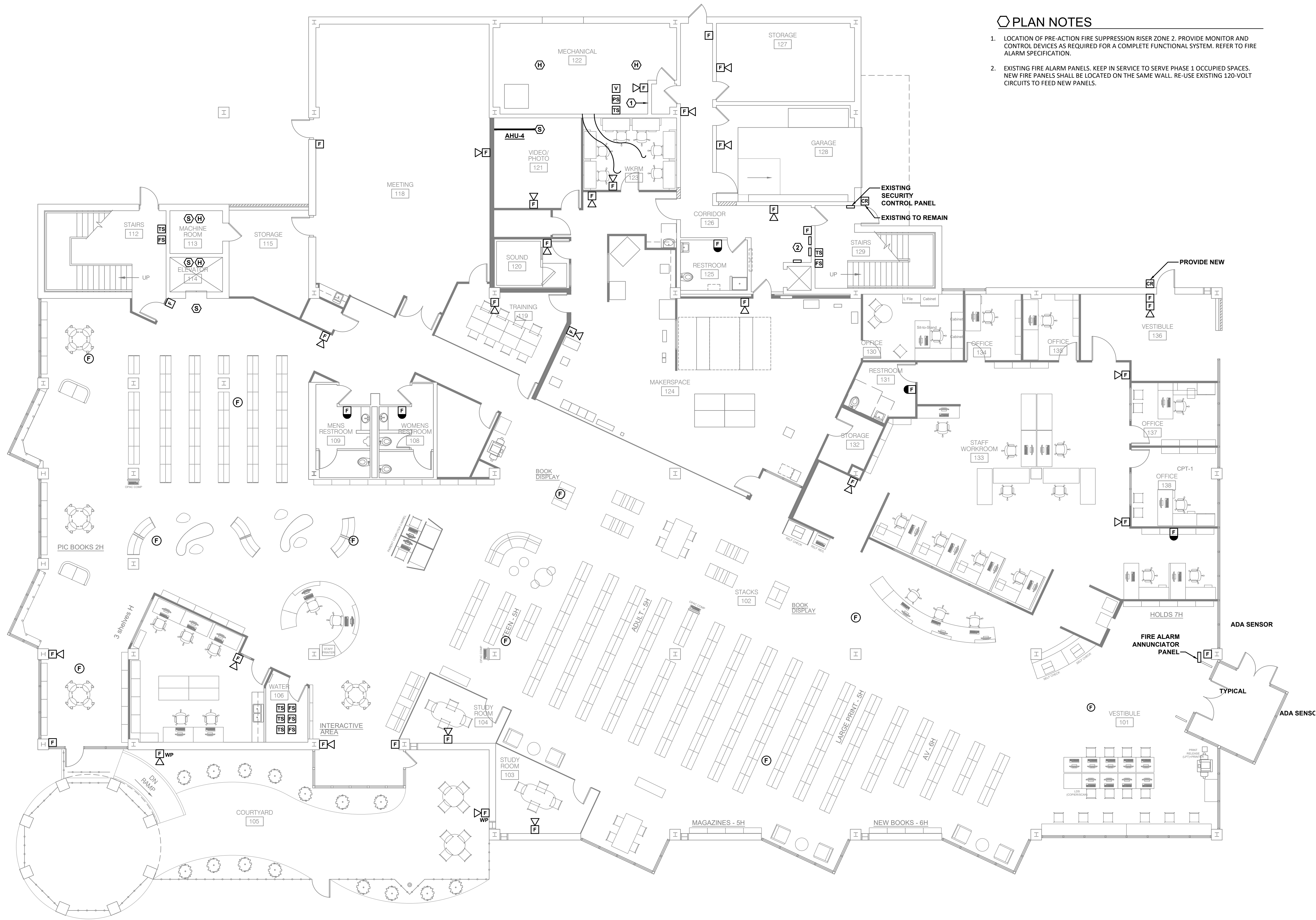
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ROOF
POWER PLAN

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E2.4



FIRST FLOOR SYSTEMS PLAN

SCALE:

1/8" = 1'-0"



PLAN NOTES

1. LOCATION OF PRE-ACTION FIRE SUPPRESSION RISER ZONE 2. PROVIDE MONITOR AND CONTROL DEVICES AS REQUIRED FOR A COMPLETE FUNCTIONAL SYSTEM. REFER TO FIRE ALARM SPECIFICATION.
2. EXISTING FIRE ALARM PANELS. KEEP IN SERVICE TO SERVE PHASE 1 OCCUPIED SPACES. NEW FIRE PANELS SHALL BE LOCATED ON THE SAME WALL. RE-USE EXISTING 120-VOLT CIRCUITS TO FEED NEW PANELS.

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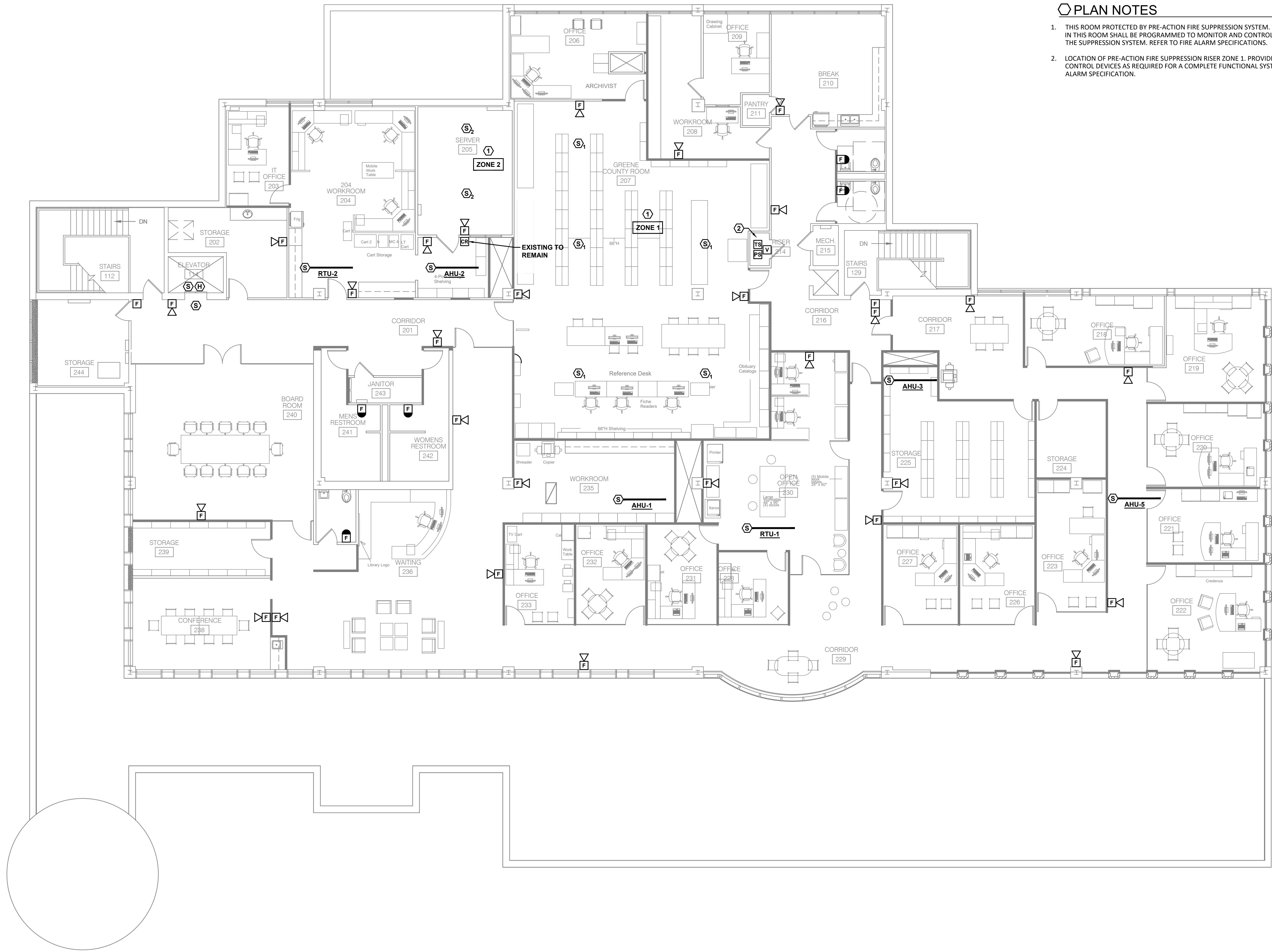
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FIRST FLOOR
SYSTEMS PLAN

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E3.1



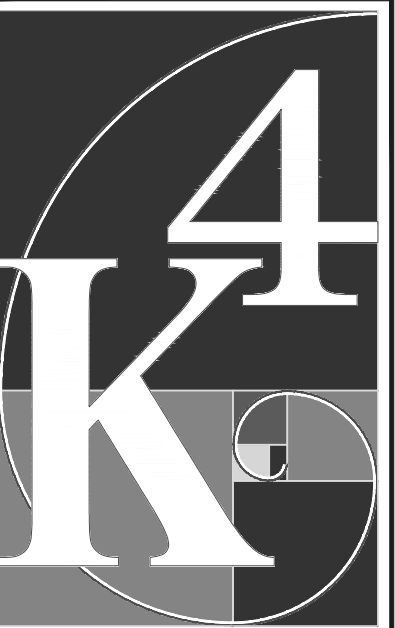
PLAN NOTES

1. THIS ROOM PROTECTED BY PRE-ACTION FIRE SUPPRESSION SYSTEM. SMOKE DETECTORS IN THIS ROOM SHALL BE PROGRAMMED TO MONITOR AND CONTROL FUNCTIONALITY OF THE SUPPRESSION SYSTEM. REFER TO FIRE ALARM SPECIFICATIONS.
2. LOCATION OF PRE-ACTION FIRE SUPPRESSION RISER ZONE 1. PROVIDE MONITOR AND CONTROL DEVICES AS REQUIRED FOR A COMPLETE FUNCTIONAL SYSTEM. REFER TO FIRE ALARM SPECIFICATION.

SECOND FLOOR SYSTEMS PLAN

SCALE:

1/8" = 1'-0"



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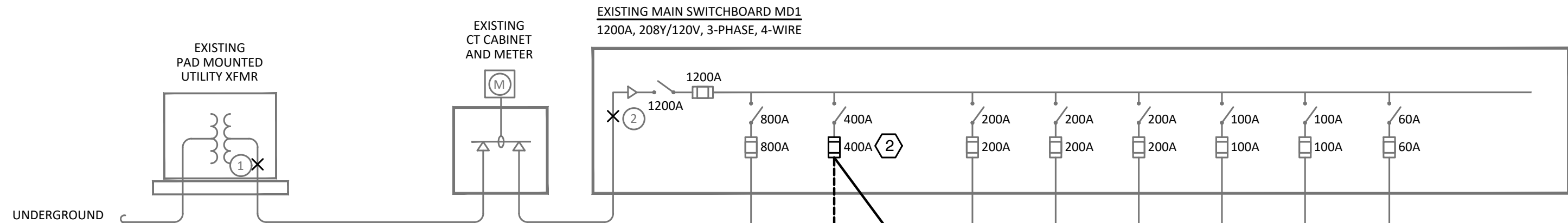
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SECOND FLOOR
SYSTEMS PLAN

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E3.2

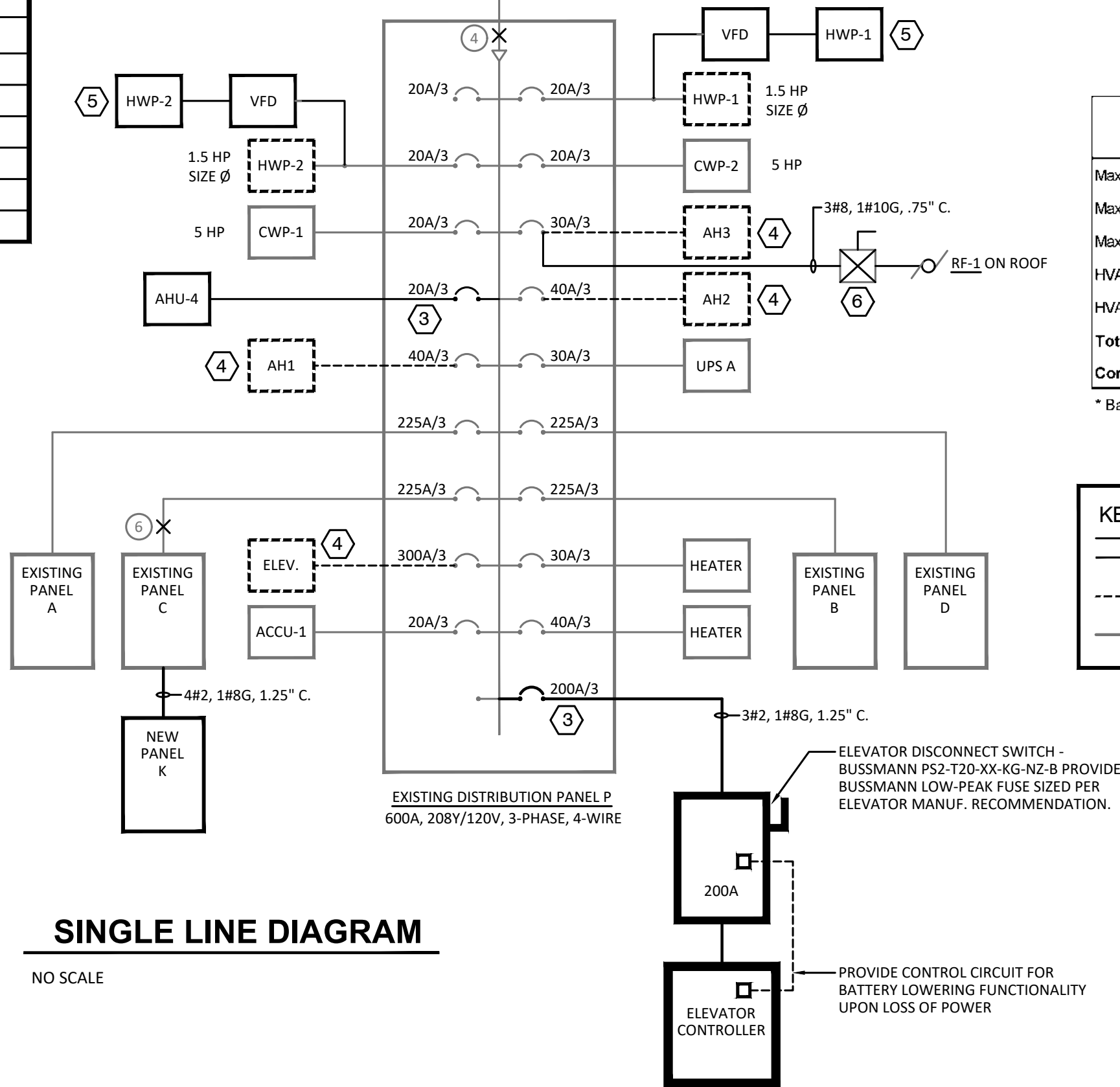


NOTES:

- DISCONNECT FEEDER AND BRANCH CIRCUITS FROM EXISTING PANELBOARD LOCATION. PROVIDE PULLBOX TO INTERCEPT THE EXISTING FEEDER ABOVE THE CEILING AND EXTEND FEEDER CONDUCTORS TO NEW LOCATION. PROVIDE A SECOND PULLBOX TO EXTEND THE EXISTING BRANCH CIRCUITS AS REPRESENTED IN THE PANELBOARD SCHEDULE.
- REMOVE FEEDER TO RTU. RE-USE SWITCH TO FEED NEW PANEL AS SHOWN. REPLACE EXISTING 175-AMP FUSES WITH NEW AS SHOWN.
- PROVIDE NEW CIRCUIT BREAKER AS SHOWN THAT IS COMPATIBLE WITH THE EXISTING DISTRIBUTION PANEL.
- DISCONNECT FEEDER TO EQUIPMENT AS SHOWN. REMOVE CONDUIT AND WIRE BACK TO PANEL. MARK BREAKER AS SPARE.
- DISCONNECT FEED TO EQUIPMENT AS SHOWN. RE-USE FEEDER AND EXTEND TO NEW EQUIPMENT.
- FUSE STARTER WITH 20-AMP LOW PEAK FUSES.
- PROVIDE REPLACEMENT BATTERY INVERTER-208V INPUT, 120V OUTPUT. MYERS ILLUMINATOR SUPERNOVA, CATALOG # 3-E-5-R120-BA2008-2YW. RE-WORK AND/OR REPLACE EXISTING CONDUIT CONNECTIONS. REFER TO CIRCUIT LOADS, THIS DRAWING.

FAULT CURRENT VALUES		
VALUE (AMPS)	NOTES	
1	33,997	PROVIDED BY UTILITY
2	27,894	CALCULATED
3	25,250	CALCULATED
4	18,745	CALCULATED
5	19,860	CALCULATED
6	8,301	CALCULATED

BATTERY INVERTER (BI) LOADS	
CIRCUIT	LOAD (WATTS)
BI-1	960
BI-2	1,240
BI-3	520
BI-4	950
TOTAL	3,670



SERVICE LOAD ANALYSIS	
Maximum Demand	137.6 kW
Maximum Demand	424.4 Amps
Maximum Demand @ 125%	530.5 Amps*
HVAC Loads Removed	-193.0 Amps
HVAC Loads Added	289.0 Amps
Total	626.5 Amps
Conclusion - Existing 1200 Amp service is adequate	
* Based on NEC 220.87 - Determining Existing Loads	

KEY TO LINEWORK	
—	NEW WORK
- - - - -	REMOVALS
—	EXISTING

GENERAL PROJECT NOTES

- ALL WORK SHALL CONFORM TO THE LATEST ADOPTED EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), OHIO BUILDING CODE (OBC) AND ANY APPLICABLE LOCAL CODE.
- ALL EQUIPMENT SHALL BE NEW AND CONFORM TO NEMA STANDARDS AND BE UL LISTED AND LABELED.
- ALL EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALLATION SHALL ENSURE THAT PROPER CLEARANCE IS MAINTAINED FOR VENTILATION AND REQUIRED SERVICE ACCESS.
- ALL FEEDERS AND BRANCH CIRCUITS SHALL BE RUN IN EMT, UNLESS NOTED OTHERWISE, OR OTHERWISE NOT PERMITTED BY CODE.
- ALL CONDUCTORS SHALL BE COPPER, MINIMUM #12 AWG, UNLESS NOTED OTHERWISE.
- CONNECT EXIT SIGNS AND EMERGENCY LIGHTS TO LOCAL EMERGENCY LIGHTING CIRCUITS.
- PROVIDE GFCI PROTECTION FOR RECEPTACLES WHERE REQUIRED BY CODE.
- PROVIDE WIRE SIZE PER NEC TO MATCH CIRCUIT BREAKER SIZE.
- ALL FEEDERS AND BRANCH CIRCUITS SHALL BE CONCEALED WHERE POSSIBLE.
- PENETRATIONS OF RATED ASSEMBLIES (FIRE OR SMOKE) SHALL BE PROPERLY SLEEVED AND SEALED TO MAINTAIN THE RATING OF THE ASSEMBLY.
- ALL BRANCH CIRCUITS SHALL UTILIZE A DEDICATED NEUTRAL FOR EACH INDIVIDUAL BRANCH CIRCUIT.
- ALL BRANCH CIRCUITS SHALL CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR. GROUNDING SOLELY THROUGH THE RACEWAY SYSTEM IS STRICTLY PROHIBITED.
- REFER TO ARCHITECTURAL PLANS FOR INFORMATION REGARDING OUTLET LOCATIONS AND MOUNTING HEIGHTS.
- PROVIDE LINE VOLTAGE AND LOW VOLTAGE WIRING FOR LIGHTING CIRCUITS AS REQUIRED FOR CONTROL FUNCTIONALITY.
- ALL EXISTING BRANCH CIRCUITS LEFT TO REMAIN SHALL BE TRACED BACK TO ITS SOURCE. PROVIDE CIRCUIT IDENTIFICATION FOR ALL EXISTING FIXTURES, EQUIPMENT AND WIRING DEVICES LEFT TO REMAIN. PROVIDE CIRCUIT DIRECTORIES FOR ALL PANELS, EXISTING AND NEW. PROVIDE ROOM NUMBERS AND INDICATE WHAT EACH CIRCUIT SERVES.
- THE EXISTING STRUCTURAL STEEL IN THE BUILDING IS PROTECTED WITH SPRAY APPLIED FIREPROOFING. CARE SHALL BE TAKEN WHERE ATTACHMENT TO STRUCTURAL MEMBERS IS REQUIRED TO ONLY REMOVE WHAT IS NECESSARY FOR THE ATTACHMENT HARDWARE. THE CONTRACTOR SHALL SPOT PATCH ANY AREAS WHERE EXCESS MATERIAL WAS REMOVED.
- ALL EXPOSED RACEWAYS SHALL BE PAINTED PER DIVISION 9 SPECIFICATION SECTION. THIS INCLUDES CONDUITS IN THE CEILING CAVITIES WITHOUT ACOUSTICAL TILE LAY-IN CEILINGS OR DRYWALL CEILINGS. RACEWAYS SHALL BE PREPPED (DE-GREASED AND CLEANED) SUFFICIENTLY TO RECEIVE PAINT.

PANEL: M (New)			400 Amp, Main Lugs			208Y/120V, 3-Phase, 4-Wire + Ground, 22k AIC			Flush Mounted			NEMA 1						
BREAKER		LTS	REC	MTR	EQP	DESCRIPTION	CKT #	PHASE LOAD			CKT #	DESCRIPTION	LTS	REC	MTR	EQP	BREAKER	
A	P							A	B	C							A	P
80	3				5.50	AHU-1 (3#4, 1#8G, 1" C)	1	13.10			2	RTU-1 (3#4, 1#8G, 1" C)				7.60	80	3
/	/				5.50	-	3				3	-				7.60	/	/
/	/				5.50	-	5				6	-				7.60	/	/
60	3				4.60	AHU-2 (3#6, 1#10G, 3/4" C)	7	12.20			8	RTU-2 (3#4, 1#8G, 1" C)				7.60	80	3
/	/				4.60	-	9		12.20		10	-				7.60	/	/
/	/				4.60	-	11		12.20		12	-				7.60	/	/
45	3				3.10	AHU-3 (3#8, 1#10G, 3/4" C)	13	3.66			14	VR2-1				0.56	20	2
/	/				3.10	-	15		3.66		16	-				0.56	/	/
/	/				3.10	-	17			4.22	18	VR2-3, VR2-4				1.12	20	2
60	3				3.90	AHU-5 (3#6, 1#10G, 3/4" C)	19	5.02			20	-				1.12	/	/
/	/				3.90	-	21		4.70		22	VR1-4				0.80	20	2
/	/				3.90	-	23			4.70	24	-				0.80	/	/
20	2				0.80	VA2-1	25	1.60			26	VR1-3, VR1-5				0.80	20	2
/	/				0.80	-	27		1.60		28	-				0.80	/	/
20	2				1.12	VA2-4, VA2-5	29			1.42	30	EF-1				0.30	20	1
/	/				1.12	-	31	2.37			32	VA5-1, VA5-3, VA5-9				1.25	20	2
20	2				1.25	VA2-6, VA1-3, VA1-5	33		2.50		34	-				1.25	/	/
/	/				1.25	-	35			2.50	36	VA5-6, VA5-7, VA5-8				1.25	20	2
20	2				1.12	VA1-6, VA1-7	37	2.37			38	-				1.25	/	/
/	/				1.12	-	39		1.12		40	-						
20	2				0.80	VA1-4	41			0.80	42	-						
/	/				0.80	-	43	0.80			44	-						
20	2				0.80	VA3-1, VA3-3	45		0.80		46	-						
/	/				0.80	-	47			0.80	48	-						
							49	0.00			50	-						
							51		0.00		52	-						
							53		0.00		54	-						
								41.12	39.68	39.74								
REMARKS:																		
TOTAL LOADS:																		
0.00 Lights																		
0.00 Receptacle																		
0.00 Motor																		
120.54 Equipment																		
120.54 kVA																		
335.0 Amps																		

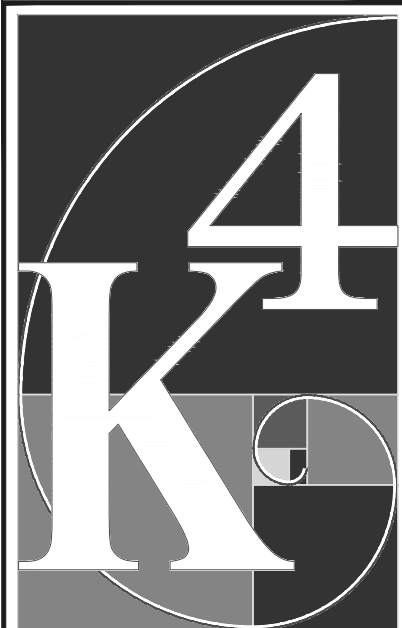
REMARKS:

TOTAL LOADS:
0.00 Lights
0.00 Receptacle
0.00 Motor
120.54 Equipment
120.54 kVA
335.0 Amps

FLOOR BOX SCHEDULE														
TYPE	LEGRAND SERIES	BOX TYPE	HOLE CORE SIZE	GANGS / SERVICE	BOX DEPTH	UL RATING	UTILITIES	ACTIVATION COVER	COVER COLOR	POWER DEVICE / PLATE	LOW VOLTAGE DEVICE PLATE	POWER CONDUIT	LOW VOLTAGE CONDUIT	NOTES
A	RFBA** OG	CAST IN PLACE	N/A	2-GANG	3.75 INCH	N/A	POWER AND LOW VOLTAGE	6CTC2BK	BLACK	DUPLEX RECEPTACLE	TBD - Note 1	1 INCH	1.25 INCH	PROVIDE CLOSURE PLATES AS REQUIRED TO MAINTAIN 2-GANG ACCESSIBILITY
B	RATCHET PRO 881	CAST IN PLACE	N/A	1-GANG	4.5" to 6" MAX.	N/A	POWER ONLY	899CTCBK	BLACK	QUAD RECEPTACLE	N/A	1 INCH	N/A	
C	EVOLUTION 6" POKE THRU	POKE-THRU	6 INCH	MULTI-SERVICE	N/A	2-HOUR	POWER AND LOW VOLTAGE	6CTC2BK	BLACK	QUAD RECEPTACLE	TBD - Note 1	3/4 INCH	1.25 INCH	
D	RC9	POKE-THRU	3-1/16 INCH	POWER ONLY	N/A	2-HOUR	POWER ONLY	RC9SHTCBK	BLACK	QUAD RECEPTACLE	N/A	3/41 INCH	N/A	

Note 1 - Coordinate requirements with Owner's Representative prior to ordering.

General Note - Provide all necessary components and accessories as required for a complete and operational system.



**ARCHITECTURE
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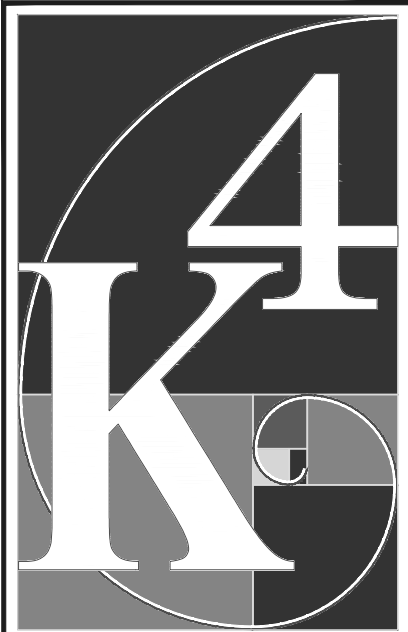
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NO.	DESCRIPTION	DATE
-	BID ISSUE	01/04/23

PEM SERVICES, LLC
Professional Engineering and Project Management

ELECTRICAL DETAILS
& SINGLE LINE
DIAGRAM

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E4.1



ARCHITECTURE
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PANELBOARD
SCHEDULES

Drawn By: JEP, CDG
Scale: AS NOTED
Job No.: 21-2113

E4.2

PANEL: A (Existing)										225 Amp, Main Lugs				208Y/120V, 3-Phase, 4-Wire + Ground, 10k AIC				Flush Mounted				NEMA 1	
BREAKER		LTS	REC	MTR	EQP	DESCRIPTION	CKT #	PHASE LOAD			CKT #	DESCRIPTION	LTS	REC	MTR	EQP	BREAKER						
A	P							A	B	C							A	P					
20	1	0.20				Elevator Machine Room Lights	1	1.00			2	Receptacles		0.80			20	1					
20	1		0.20			Elevator Machine Room Recept.	3		1.00		4	Receptacles		0.80			20	1					
20	1	0.40				Elevator Cab Lights	5			1.20	6	Receptacles		0.80			20	1					
20	1	0.20				Elevator Pit Lights	7	1.00			8	Receptacles		0.80			20	1					
20	1		0.20			Elevator Pit Receptacle	9		1.20		10	Receptacles, CH-4		1.00			20	1					
20	1		1.00			Elevator Pit Sump Pump	11			1.80	12	Receptacles		0.80			20	1					
20	1		0.80			Receptacles	13	1.60			14	Receptacles		0.80			20	1					
20	1		0.80			Receptacles	15		1.80		16	Receptacles, CH-3		1.00			20	1					
20	1		0.80			Receptacles	17			1.60	18	Receptacles		0.80			20	1					
20	1		1.20			Receptacles	19	2.00			20	Receptacles		0.80			20	1					
20	1		0.80			Floor Receptacles	21		1.60		22	Receptacles		0.80			20	1					
20	1		0.80			Floor Receptacles	23			1.60	24	Receptacles		0.80			20	1					
20	1		1.20			IT Receptacles	25	2.00			26	Receptacles		0.80			20	1					
20	1		1.20			IT Receptacles	27		2.00		28	Receptacles		0.80			20	1					
20	1						29			0.80	30	Receptacles		0.80			20	1					
20	1						31	0.80			32	Receptacles		0.80			20	1					
20	1						33		0.80		34	Receptacles		0.80			20	1					
20	1						35			0.80	36	Receptacles		0.80			20	1					
20	1				1.00	Fire Alarm Panel (Existing/New)	37	1.80			38	Floor Receptacles		0.80			20	1					
20	1				1.00	Fire Alarm Panel (Existing/New)	39		1.80		40	Floor Receptacles		0.80			20	1					
						Blank	41			0.80	42	Glycol Feeder				0.80	20	1					
								10.20	10.20	8.60													
REMARKS:										TOTAL LOADS:													
										0.80 Lights													
										25.40 Receptacle													
										0.00 Motor													
										2.80 Equipment													
										29.00 kVA													
										80.6 Amps													

PANEL: B (Existing)							225 Amp, Main Lugs			208Y/120V, 3-Phase, 4-Wire + Ground, 10k AIC			Surface Mounted			NEMA 1		
BREAKER		LTS	REC	MTR	EQP	DESCRIPTION	CKT #	PHASE LOAD			CKT #	DESCRIPTION	LTS	REC	MTR	EQP	BREAKER	
A	P							A	B	C							A	P
20	1	1.20				Lighting	1	1.70			2	Restroom Door Oper. (Existing)				0.50	20	1
20	1	0.50				Lights (Existing)	3		0.90		4	Lighting - Board Room	0.40				20	1
20	1	1.10				Lighting	5			2.40	6	Lighting - Greene County Room	1.30				20	1
20	1	1.10				Lighting	7	1.10			8						20	1
20	1	1.10				Lighting - Corridor	9		1.10		10						20	1
20	1	0.20				Lighting - Corridor	11			0.20	12						20	1
20	1						13	0.00			14						20	1
20	1				0.50	HVAC Controls (Existing)	15		0.50		16						20	1
20	1						17			0.00	18						20	1
20	1						19	0.00			20						20	1
20	1	1.00				Bldg Exterior Signage (Existing)	21		1.00		22						20	1
20	1		1.00			Computer Room circuit (Existing)	23			1.80	24	Bldg Exterior Signage (Existing)	0.80				20	1
20	1				1.40	Heater - Restrooms (Existing)	25	2.00			26	Restroom Exhaust (Existing)			0.60		20	1
20	1						27		0.00		28						20	1
20	1						29			0.20	30	Photocell / Timeclock (Existing)	0.20				20	1
50	2					Spare	31	0.80			32	Bldg Exterior Signage (Existing)	0.80				20	1
-	-					-	33		0.00		34						20	1
20	1						35			0.00	36	Spare					20	2
20	1						37	0.00			38	-					/	/
20	1						39		0.00		40							
20	1						41			0.00	42	Blank						
								5.60	3.50	4.60								
REMARKS:																		
TOTAL LOADS:																		
9.70 Lights																		
1.00 Receptacle																		
0.00 Motor																		
3.00 Equipment																		
13.70 kVA																		
38.1 Amps																		

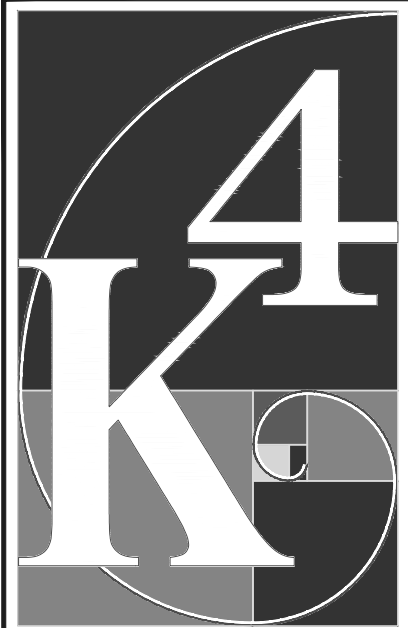
PANEL: D (Existing)							225 Amp, Main Lugs	208Y/120V, 3-Phase, 4-Wire + Ground, 10k AIC	Surface Mounted	NEMA 1							
BREAKER	LTS	REC	MTR	EQP	DESCRIPTION	CKT #	PHASE LOAD			CKT #	DESCRIPTION	LTS	REC	MTR	EQP	BREAKER	
A	P					#	A	B	C	#						A	P
20	1					1	0.50			2	Lights (Existing)	0.50				20	1
20	1	0.50			Lights (Existing)	3		0.50		4						20	1
20	1					5			0.00	6						20	1
20	1					7	0.00			8						20	1
20	1					9		0.00		10						20	1
20	1					11			0.60	12	Receptacles (Existing)		0.60			20	1
20	1					13	0.00			14						20	1
20	1		0.40		Kitchen Receptacles (Existing)	15		0.40		16						20	1
20	1					17			0.00	18						20	1
20	1		0.40		Kitchen Receptacles (Existing)	19	0.40			20						20	1
20	1					21		0.00		22						20	1
20	1					23			0.00	24						20	1
20	1					25	2.50			26	Old Range (Existing)		2.50			50	2
30	2	0.50			Unknown Circuit (Existing)	27		3.00		28	-		2.50			/	/
/	/				-	29			1.80	30	Dumbwaiter (Existing)				1.80	30	3
20	1	0.40			Kitchen Receptacles (Existing)	31	2.20			32	-				1.80	/	/
20	1	0.40			Kitchen Receptacles (Existing)	33		2.20		34	-				1.80	/	/
20	1	0.40			Kitchen Receptacles (Existing)	35			1.00	36	Receptacles (Existing)		0.60			20	1
-	-				Shunt Trip	37	1.40			38	Computer Room AC Unit (Existing)		1.40		20	2	
40	2				2.80 Computer Room AC Unit (Exist.)	39		4.20		40	-		1.40	/	/	/	/
/	/				2.80 -	41			2.80	42	Shunt Trip				-	-	-
							7.00	10.30	6.20								
REMARKS:																	
TOTAL LOADS:																	
1.00 Lights																	
8.70 Receptacle																	
0.00 Motor																	
13.80 Equipment																	
23.50 kVA																	
65.3 Amps																	

PANEL: E (Relocated)							200 Amp, Main Lugs	208Y/120V, 3-Phase, 4-Wire + Ground, 10k AIC	Surface Mounted	NEMA 1								
BREAKER		LTS	REC	MTR	EQP	DESCRIPTION	CKT #	PHASE LOAD			CKT #	DESCRIPTION	LTS	REC	MTR	EQP	BREAKER	
A	P							A	B	C							A	P
20	1	0.60				Receptacles	1	1.00			2	Exterior Lights (Existing)	0.40				20	1
20	1	0.80				Receptacles	3		1.20		4	Lighting	0.40				20	1
20	1	1.00				Receptacles	5			1.90	6	Children's Track (T1's)	0.90				20	1
20	1	0.80				Receptacles	7	2.20			8	Children's D1's and Pk's	1.40				20	1
20	1	0.60				Receptacles	9		1.80		10	Children's L2's	1.20				20	1
20	1	1.00				Receptacles, CH-2	11			2.30	12	Stack Area Circuit 1	1.30				20	1
20	1	0.80				Receptacles	13	2.10			14	Stack Area Circuit 2	1.30				20	1
20	1	0.40				Receptacles	15		1.70		16	Corridor D1's, D3's	1.30				20	1
20	1	0.60				Floor Receptacles	17			1.70	18	Corridor T1's, C1's,	1.10				20	1
20	1	1.20				Copier	19	1.20			20						20	1
20	1						21		0.00		22						20	1
20	1						23			0.00	24						20	1
20	1						25	0.00			26	Spare					20	3
20	1						27		0.00		28	-	/	/	/	/		
20	1						29			0.00	30	-	/	/	/	/		
20	2				1.90	HP-1	31	1.90			32	Spare					20	3
/	/				1.90	-	33		1.90		34	-	/	/	/	/		
50	2					Spare	35			0.00	36	-	/	/	/	/		
/	/					-	37	0.80			38	Heater 106 (Existing)				0.80	20	3
50	2					Spare	39		0.80		40	-	/	/	/	0.80	/	/
/	/					-	41				42	-	/	/	/	0.80	/	/
								9.20	7.40	6.70								
REMARKS:																		
9.30 Lights																		
7.80 Receptacle																		
0.00 Motor																		
6.20 Equipment																		
23.30 kVA																		
64.8 Amps																		

TYPE	DESCRIPTION	DIMENSION	MOUNTING	CONSTRUCTION / FINISH	OPTICS / DIFFUSER	LUMEN PACKAGE	COLOR TEMPERATURE	DRIVER	VOLTAGE	WATTS	MANUFACTURER / MODEL #	NOTES
A1	LED LAY-IN WITH LUMINOUS CENTER	2' x 4'	GRID	CODE GAUGE STEEL - PAINTED WHITE	FROSTED ACRYLIC LENS	3000LM	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	30	MARK WHSPR LCTR SWC SERIES	
A2	LED LAY-IN WITH LUMINOUS CENTER	2' x 2'	GRID	CODE GAUGE STEEL - PAINTED WHITE	FROSTED ACRYLIC LENS	3300LM	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	30	MARK WHSPR LCTR SWC SERIES	
A3	LED LAY-IN WITH LUMINOUS CENTER	1' x 4'	GRID	CODE GAUGE STEEL - PAINTED WHITE	FROSTED ACRYLIC LENS	3300LM	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	26	MARK WHSPR LCTR SWC SERIES	
A4	LED LAY-IN WITH LUMINOUS CENTER	1' x 4'	GRID	CODE GAUGE STEEL - PAINTED WHITE	FROSTED ACRYLIC LENS	2000LM	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	19	MARK WHSPR LCTR SWC SERIES	
C1	LED PERMITER COVE	4" WIDE X LENGTH SHOWN ON DRAWING	WALL	CODE GAUGE STEEL - PAINTED WHITE	FROSTED ACRYLIC LENS	375LM / FOOT	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	15 / 4-FT	FOCAL POINT FSM#PR-ALH-FL2 SERIES	PROVIDE CONTINUOUS ROWS WITH LENGTHS AS SHOWN ON DRAWINGS
D1	4" ROUND RECESSED LED DOWNLIGHT	4" ROUND X 7" DEEP	GRID	CODE GAUGE STEEL HOUSING	SELF FLANGE SEMI-SPECULAR CLEAR REFLECTOR	1500	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	18	LITHONIA LDN4 SERIES	
D2	6" ROUND RECESSED LED DOWNLIGHT WITH DROP LUMINOUS RING	6" ROUND X 7" DEEP	GRID	CODE GAUGE STEEL HOUSING	SELF FLANGE SEMI-SPECULAR CLEAR REFLECTOR WITH LUMINOUS RING	2000	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	20	GOTHAM EVO6DLD SERIES	
D3	6" ROUND RECESSED DOWNLIGHT WITH DROP LUMINOUS DISK	6" ROUND X 7" DEEP	GRID	CODE GAUGE STEEL HOUSING	SELF FLANGE SEMI-SPECULAR CLEAR REFLECTOR WITH LUMINOUS DISK	2000	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	20	GOTHAM EVO6DLR SERIES	
E3	EXISTING LED LAY-IN	2' X 4'	GRID	CONTRACTOR SHALL GENTLY REMOVE/STORE EXISTING 3-LAMP PARABOLIC LAY-IN FIXTURE DURING THE DEMOLITION PHASE AND RE-INSTALL AS SHOWN ON THE LIGHTING PLANS - FIXTURES SHALL BE THOROUGHLY CLEANED							REMOVE/SALVAGE QUANTITIES AS REQUIRED BY LIGHTING PLANS	
G1	36" DIAMETER LED PENDANT	36" ROUND X 2" DEEP	AIRCRAFT CABLE	ROLLED EXTRUDED ALUMINUM HOUSING / POWER COAT FINISH	POLYCARBONATE SATINE LENS	6000	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	74	LUMENWERX RIMRP-36-ULO-COLOR-WAC-SC-COLOR	
L1	PENDANT MOUNTED LED BOOK STACK FIXTURE	2-3/4" WIDE X 3" DEEP	AIRCRAFT CABLE	EXTRUDED ALUMINUM HOUSING - POWER COATED FINISH	POLYCARBONATE CROSS BAFFLE, BI-ASYMMETRIC OPTIC	680LM / FOOT	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	27 / 4-FT	ELLIPTIPAR S531-COLOR SERIES	PROVIDE CONTINUOUS ROWS WITH LENGTHS AS SHOWN ON DRAWINGS
L2	THIN PROFILE RECESSED LINEAR LED	2.6" WIDE X 4" DEEP	CEILING RECESSED AND PENDANT	EXTRUDED ALUMINUM HOUSING - POWER COATED FINISH	FROSTED ACRYLIC LENS	500LM / FOOT	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	18 / 4-FT	FOCAL POINT FSM2L-FL SERIES	PROVIDE CONTINUOUS ROWS WITH LENGTHS AS SHOWN ON DRAWINGS
L3	PENDANT MOUNTED LINEAR LED	2.6" WIDE X 4.5" DEEP	AIRCRAFT CABLE	EXTRUDED ALUMINUM HOUSING - POWER COATED FINISH	FROSTED ACRYLIC LENS	500LM / FOOT	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	19 / 4-FT	FOCAL POINT FSM2LS-FL-COLOR SERIES	PROVIDE FIXTURE LENGTHS AS SHOWN ON PLANS - FIXTURES ARE PRIMARILY RECESSED IN A GRID CEILING, HOWEVER, SOME OF THE FIXTURES GO RUN PAST THE GRID CEILING INTO AREAS OF NO CEILING -
L4	PENDANT MOUNTED LINEAR LED	2.6" WIDE X 4.5" DEEP	AIRCRAFT CABLE	EXTRUDED ALUMINUM HOUSING - POWER COATED FINISH	FROSTED ACRYLIC LENS	625LM / FOOT	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	24 / 4-FT	FOCAL POINT FSM2LS-FL-COLOR SERIES	PROVIDE FIXTURE LENGTHS AS SHOWN ON PLANS
L5	PENDANT MOUNTED LINEAR LED	2.6" WIDE X 4.5" DEEP	AIRCRAFT CABLE	EXTRUDED ALUMINUM HOUSING - POWER COATED FINISH	FROSTED ACRYLIC LENS	375LM / FOOT	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	14 / 4-FT	FOCAL POINT FSM2LS-FL-COLOR SERIES	PROVIDE FIXTURE LENGTHS AS SHOWN ON PLANS
M1	LED LINEAR SUSPENDED PENDANT	12" WIDE X 4'	AIRCRAFT CABLE	COLD-ROLLED STEEL HOUSING - POWER COATED FINISH	HIGH PERFORMANCE LENS - DIRECT/INDIRECT	800LM / FOOT	4000K	0-10 VOLT - 1% DIMMING	MULTI-VOLT	24 / 4-FT	MARK PLANAR PLN8 30/70 SERIES	PROVIDE CONTINUOUS ROWS WITH LENGTHS AS SHOWN ON DRAWINGS
P1	7" DIAMETER LED PENDANT	7" ROUND X 11"	CORD	SPUN ALUMINUM HOUSING	FROSTED ACRYLIC LENS	800	4000K	0-10 VOLT - 1% DIMMING	120	60	NORDIC 11350WNBP	
P2	20" DIAMETER LED PENDANT	20" ROUND X 3.75"	AIRCRAFT CABLE	ROLLED EXTRUDED ALUMINUM HOUSING / POWER COAT FINISH	HIGH PERFORMANCE THERMOFORMED ACRYLIC DIFFUSER	2655	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	38	A-LIGHT ATL3-20-LH SERIES	
P3	4.5" DIAMETER LED PENDANT	4.5" ROUND X 4.5"	CORD	EXTRUDED ALUMINUM HOUSING	BEVELED END WITH ADJUSTABLE BEAMSPREAD	800	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	10	TBD	
P4	6-FOOT DIAMETER LED ACOUSTIC RING PENDANT	6-FOOT ROUND X 12"	AIRCRAFT CABLE	ACRYLIC FRAME CLAD WITH SOLA FELT	FROSTED WHITE OPAL BOTTOM DIFFUSER	5000	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	116	ACOUSTIC RING 6-12-COLOR SERIES	
P5-24	24" DIAMETER LED PENDANT	24" ROUND X 1.75"	AIRCRAFT CABLE	ROLLED EXTRUDED ALUMINUM HOUSING / POWER COAT FINISH	SILICONE DIFFUSER	1176	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	21	OCL RV1-P1DB-24-MW-COLOR-LED1 SERIES	
P5-36	SAME AS P5-24 EXCEPT 36" DIAMETER					1792	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	32	SAME AS P5-24 EXCEPT 36" DIAMETER	
P5-48	SAME AS P5-24 EXCEPT 48" DIAMETER					2352	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	42	SAME AS P5-24 EXCEPT 48" DIAMETER	
P6-12	6" SPHERE LED PENDANT	6" SPHERE	CORD	GLOBE WITH SPUN ALUMINUM CAP	OPAL WHITE GLASS GLOBE	1540	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	21	OCL EU1-P1CB-W-12-COLOR-LED2 SERIES	
P6-16	SAME AS P6-12 EXCEPT 16" SPHERE					1540	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	21	SAME AS P6-12 EXCEPT 16" SPHERE	
P7	12" DIAMTER LED PENDANT	12" ROUND X 16"	PENDANT STEM	ACRYLIC REFRACTOR WITH EXTRUDED ALUMINUM HOUSING CAP / POWER COAT FINISH	FROSTED ACRYLIC REFRACTOR	3304	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	24	PATHWAY P80-PV-COLOR-COLOR-PAM SERIES	
P8	20" DIAMETER LED PENDANT	20" ROUND X 9"	PENDANT STEM	SATIN NICKEL	WHITE LINEN FABRIC SHADE	3200	4000K	0-10 VOLT - 5% DIMMING	MULTI-VOLT	35	AFX DYP2432LAJUDSN	
S1	4-FOOT LED STRIP	2.6" WIDE X 2.2" DEEP	CHAIN HUNG	CODE COMPLIANT STEEL - PAINTED WHITE	DIFFUSE ACRYLIC LENS	ADJUSTABLE LUMEN OUTPUT	4000K	STANDARD LED DRIVER	MULTI-VOLT	35	LITHONIA CSS SERIES	
T1	TRACK	N/A	CEILING	DIE-CAST ALUMINUM HOUSING	SEALED LAMP	2341	4000K	STANDARD LED DRIVER NON-DIM	120	21	JUNO T265L FL SERIES	PROVIDE STANDARD TRACK IN LENGTHS AS SHOWN ON THE DRAWINGS - PROVIDE ONE TRACK FIXTURE FOR EVERY 18 INCHES OF TRACK
T2	TRACK	N/A	CEILING	DIE-CAST ALUMINUM HOUSING	SEALED LAMP	3814	4000K	STANDARD LED DRIVER NON-DIM	120	33	JUNO R610L WFL SERIES	PROVIDE STANDARD TRACK IN LENGTHS AS SHOWN ON THE DRAWINGS - PROVIDE QUANTITY OF FIXTURE AS SHOWN ON DRAWINGS
V2	2-FOOT LED VAPORTIGHT	6" WIDE X 4" DEEP	SURFACE	ONE-PIECE FIBERGLASS HOUSING	INJECTION MOLDED ACRYLIC LENS	3000	4000K	0-10 VOLT DIMMING	MULTI-VOLT	27	LITHONIA DMW2 SERIES	
V4	4-FOOT LED VAPORTIGHT	6" WIDE X 4" DEEP	CHAIN HUNG	ONE-PIECE FIBERGLASS HOUSING	INJECTION MOLDED ACRYLIC LENS	ADJUSTABLE LUMEN OUTPUT	4000K	0-10 VOLT DIMMING	MULTI-VOLT	27 - 42	LITHONIA CSVT SERIES	
WP	EXTERIOR LED WALL PACK	8" X 11" X 3" DEEP	WALL	DIE-CAST ALUMINUM HOUSING	ACRYLIC LENS	2900	4000K	ELECTRONIC	MULTI-VOLT	24	LITHONIA WPX SERIES WITH PHOTOCCELL	
EXIT	LED EXIT SIGN	2" X 8" X 12"	WALL / CEILING / STEM	DIE-CAST ALUMINUM HOUSING	BRUSHED ALUMINUM FACEPLATE	N/A	N/A	ELECTRONIC	MULTI-VOLT	1	LITHONIA LQC SERIES	PROVIDE MOUNTING PLATES, CANOPIES, STEMS AS REQUIRED FOR APPLICATION, PROVIDE SINGLE AND DOUBLE FACE UNITS AS REQUIRED FOR APPLICATION

Schedule Notes:

- Fixtures from alternative manufacturer's will be considered on a pre-bid proposed substitution basis. Substitution submittals shall include detailed cut sheets and area-by-area computer generated point-by-point photometric layouts.
- Colors shall be selected by the Architect during the submittal process. Color choices shall be based upon the manufacturer's standard color availability.
- Refer to drawings for fixtures to be wired to inverter circuits. Make provisions to wire fixtures independly, particularly in long runs of linear fixtures.
- Coordinate mounting heights of pendant fixtures with Architect prior to ordering fixtures.
- Coordinate fixture canopy options/requirements with Architect prior to ordering fixtures.
- Fixtures are primarily recessed in a grid ceiling, however, some of the rows transition from a grid ceiling into areas that are open to the sturcutre. Fixtures in the exposed areas shall be supported from the structure with aircraft cable, such that the entire row is level and true with the entire row. Refer to architectural reflected ceiling plans for these locations.



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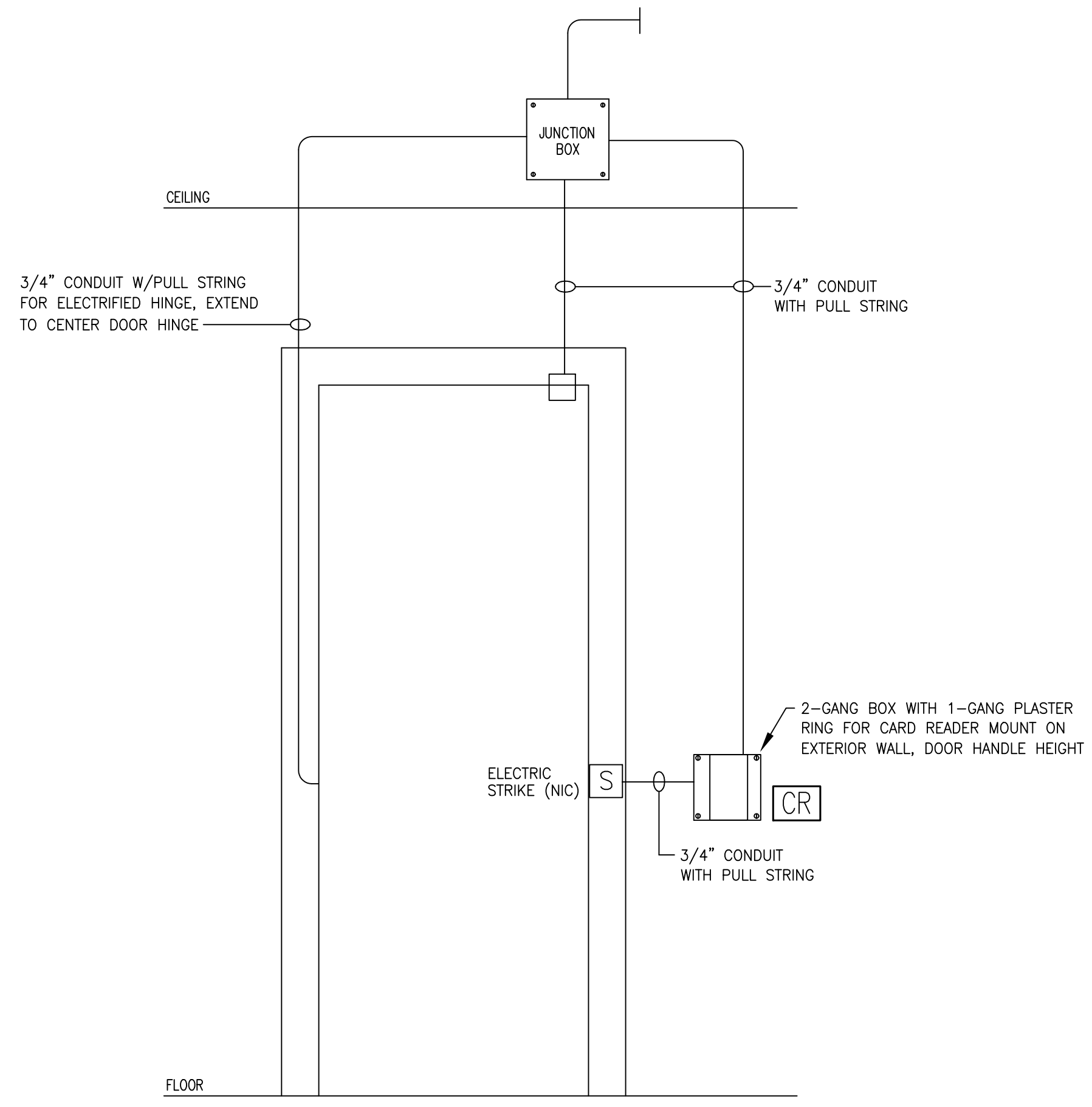
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**LIGHT FIXTURE
SCHEDULE**

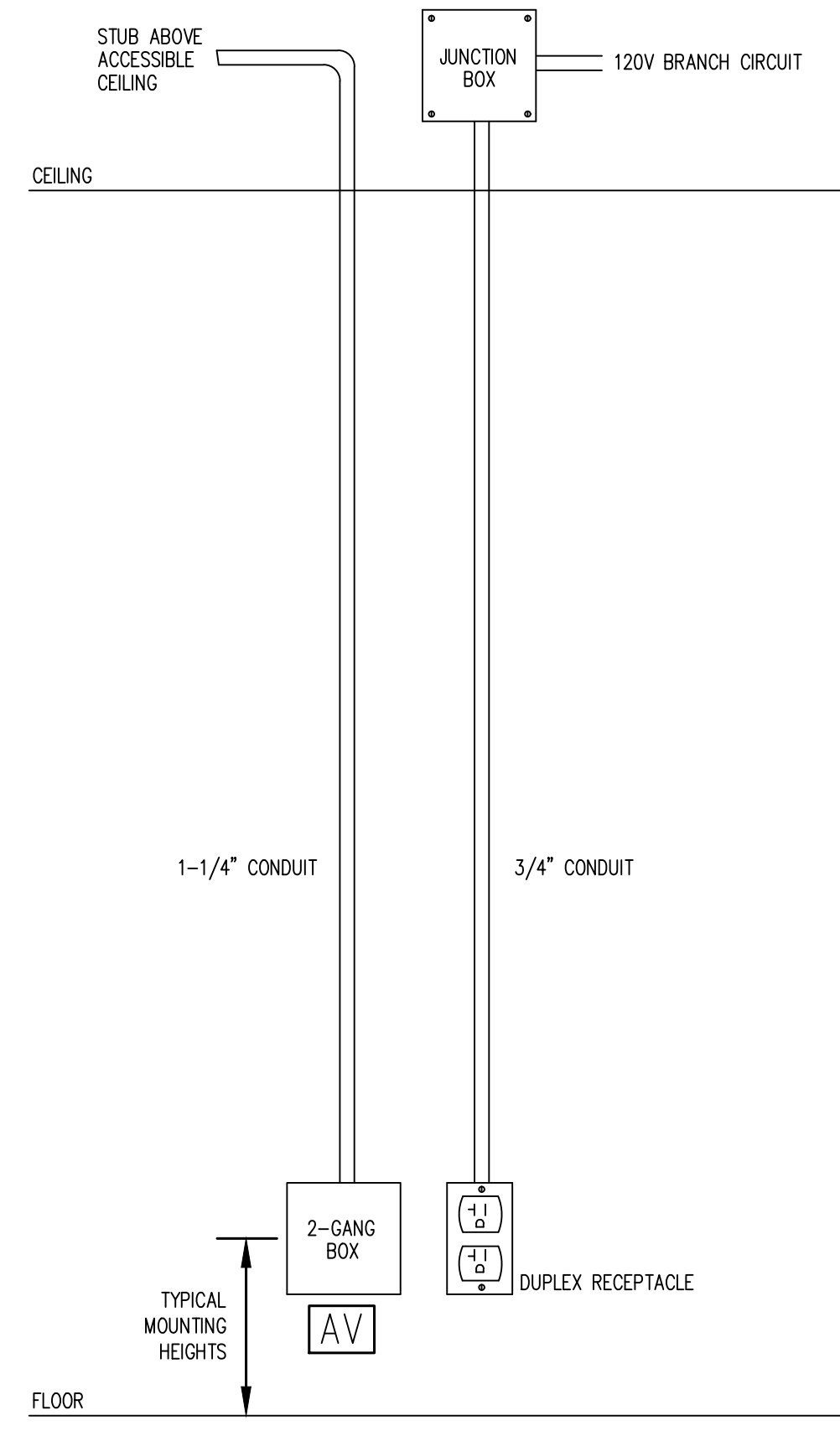
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Scale: AS NOTED
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E4.3



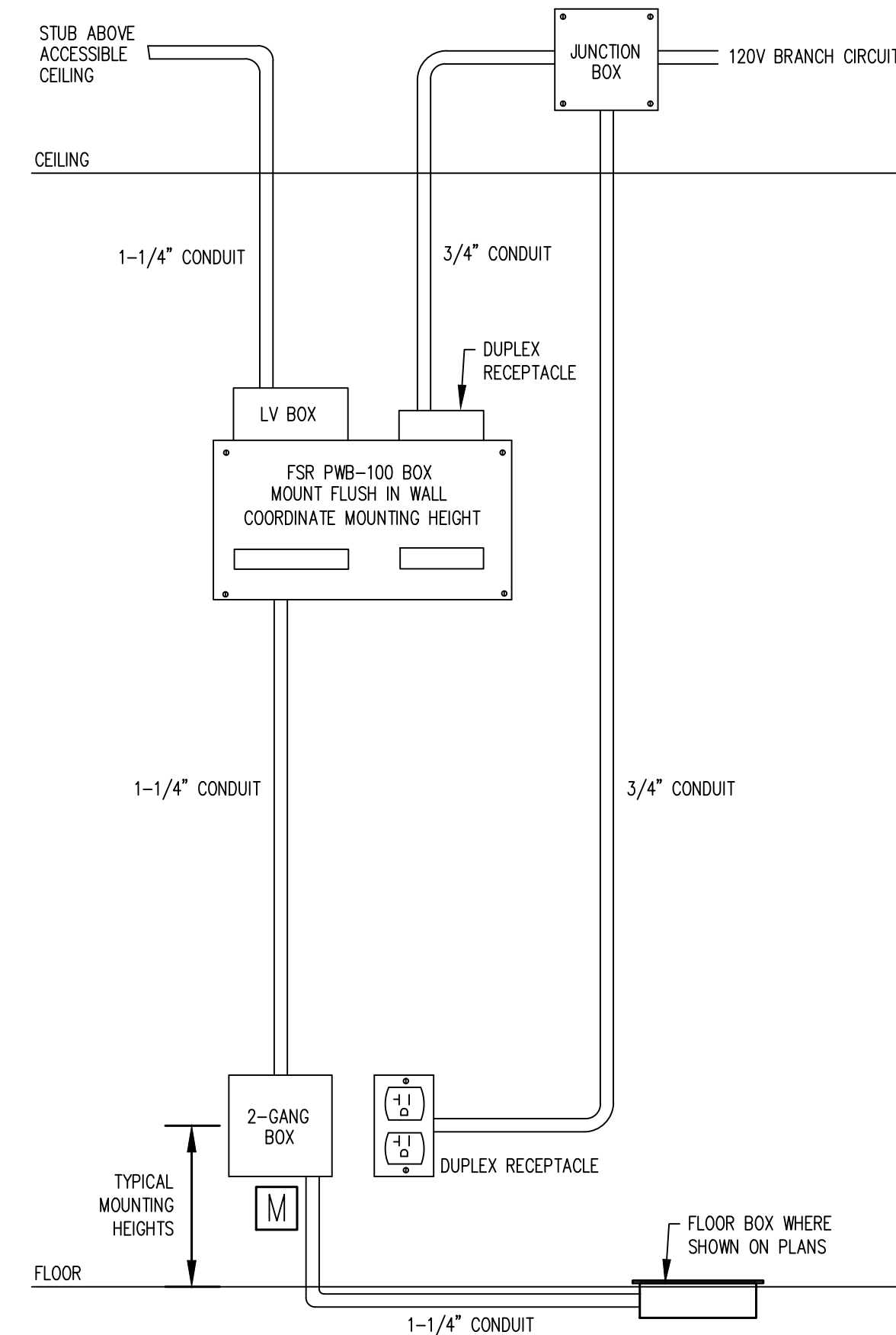
DOOR CARD READER ROUGH-IN DETAIL

NO SCALE



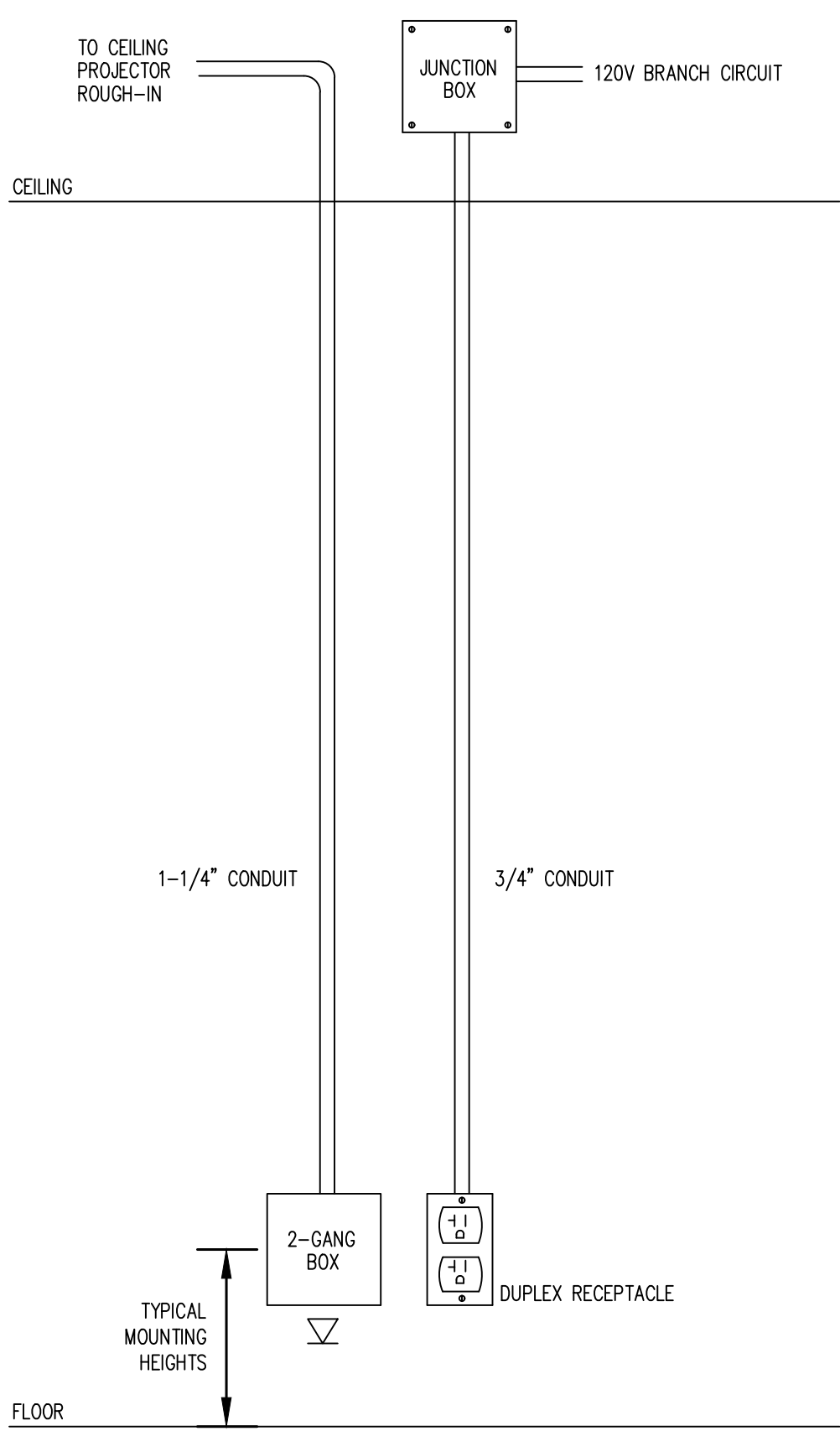
MEETING ROOM AV ROUGH-IN DETAIL

NO SCALE



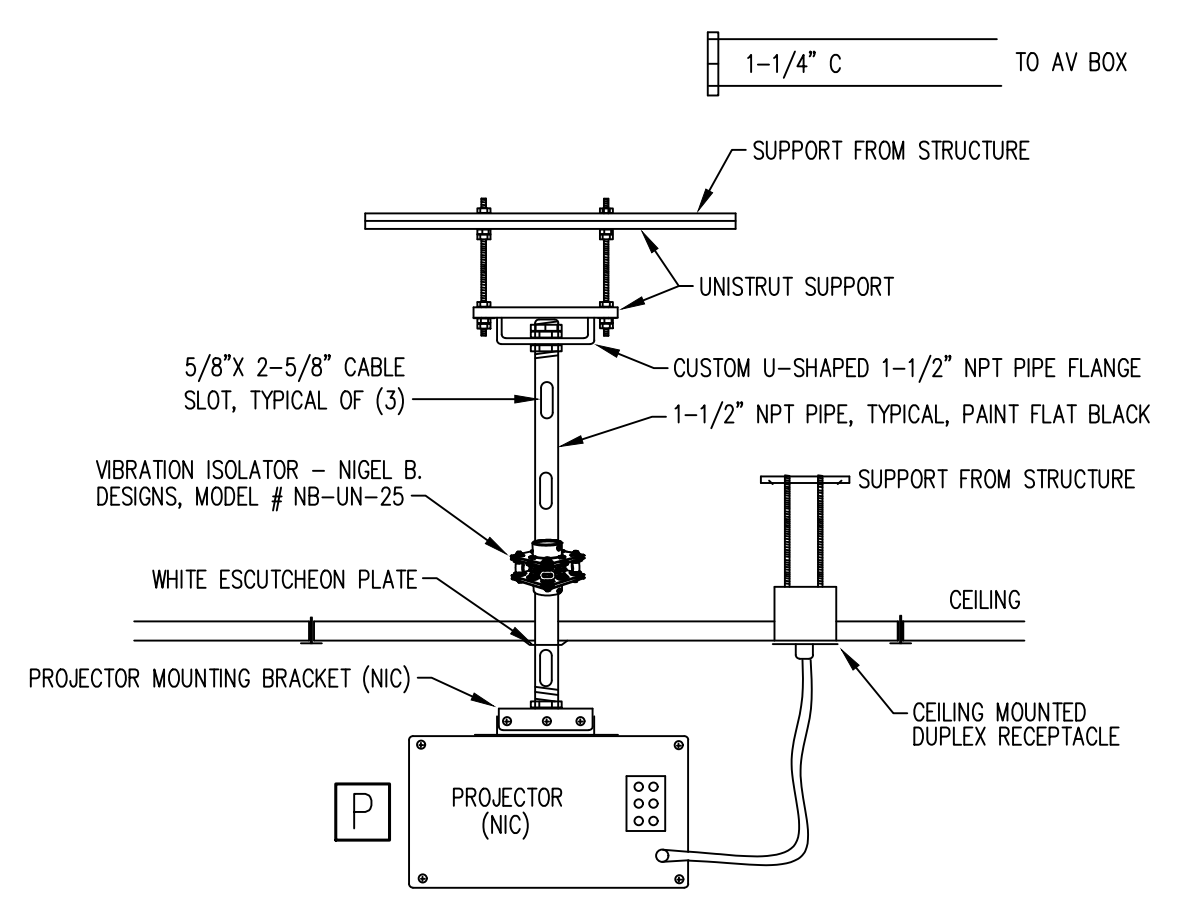
WALL MONITOR ROUGH-IN DETAIL

NO SCALE



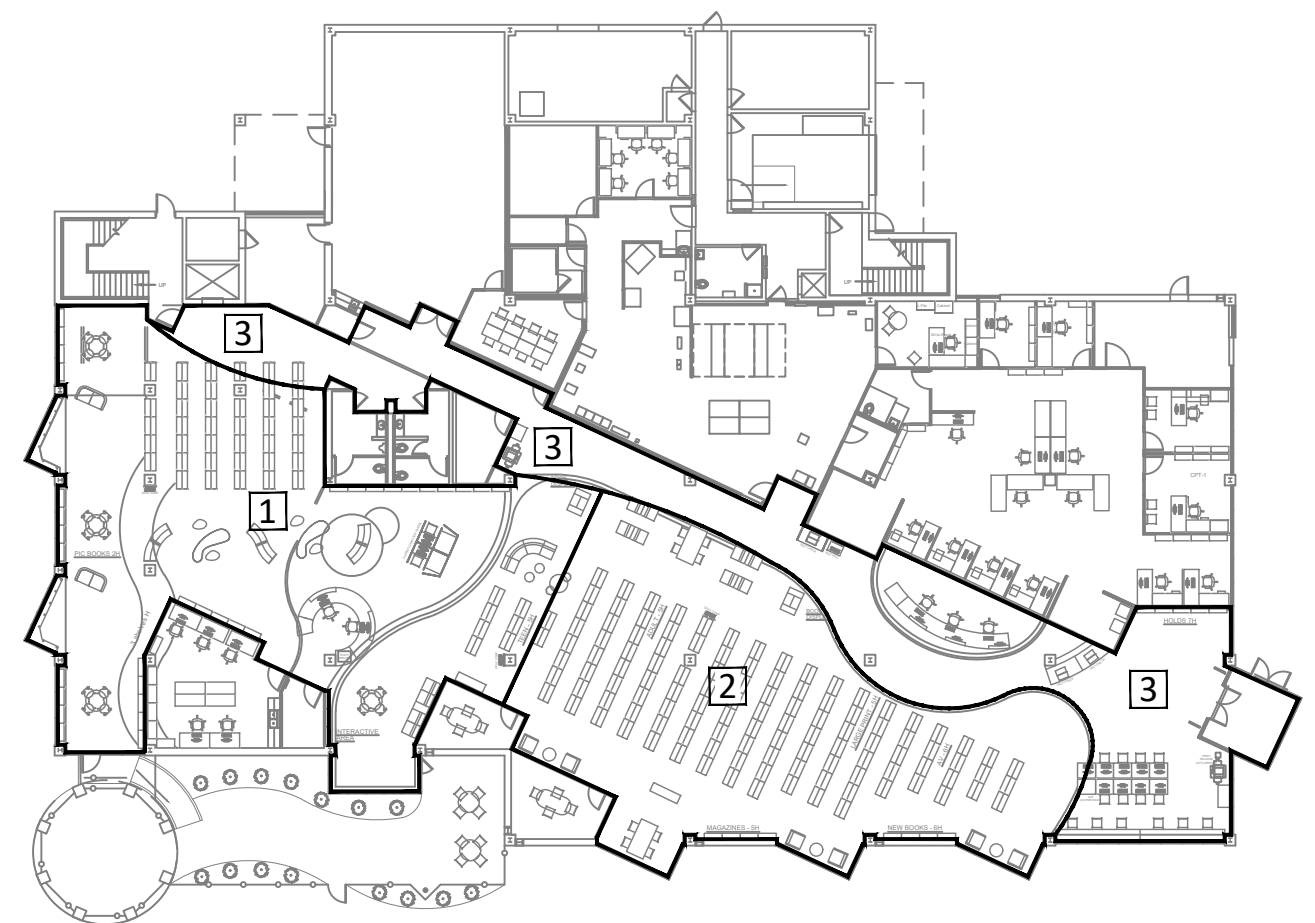
TECHNOLOGY ROUGH-IN DETAIL

NO SCALE



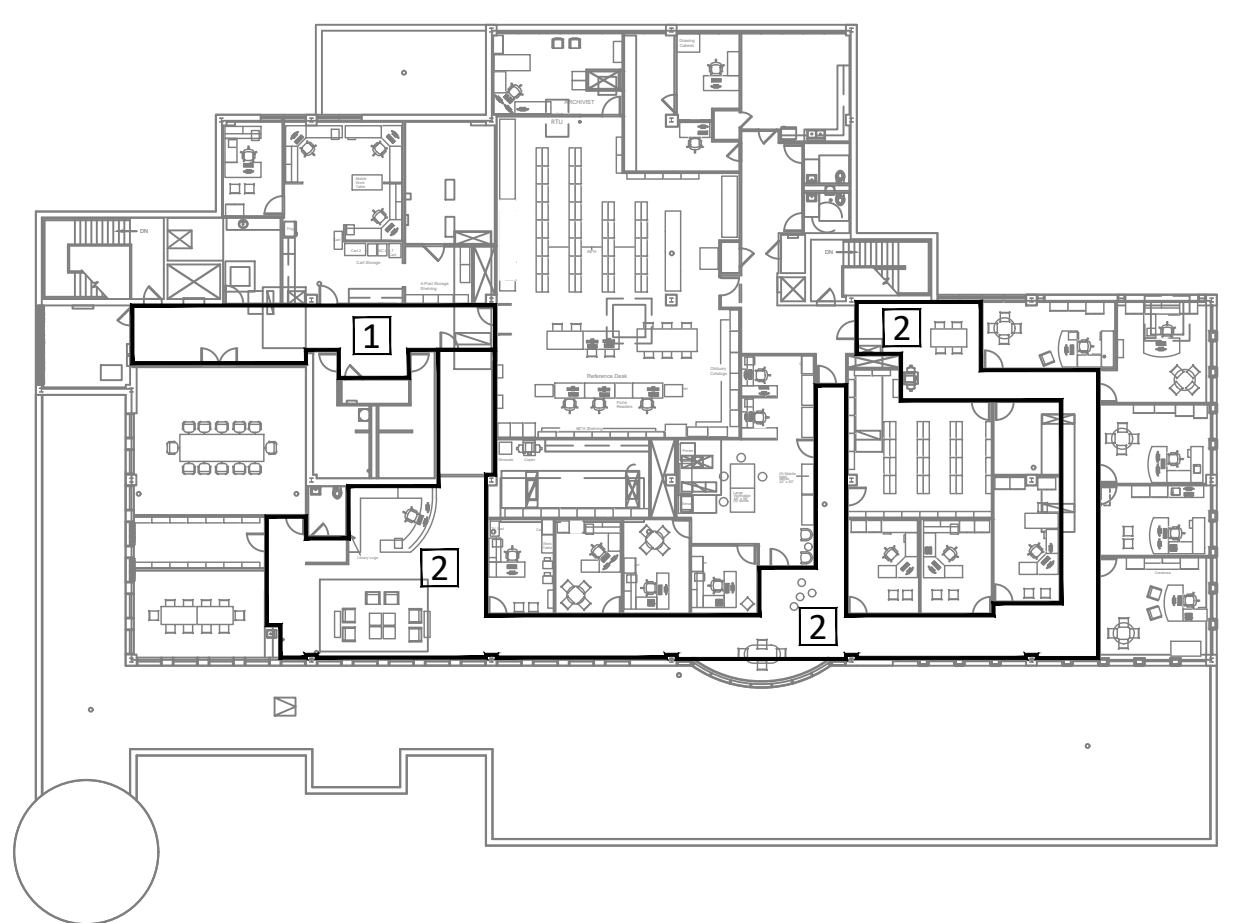
CEILING PROJECTOR MOUNTING DETAIL

NO SCALE



FIRST FLOOR PUBLIC SPACE LIGHTING ZONES

NO SCALE



SECOND FLOOR PUBLIC SPACE LIGHTING ZONES

NO SCALE

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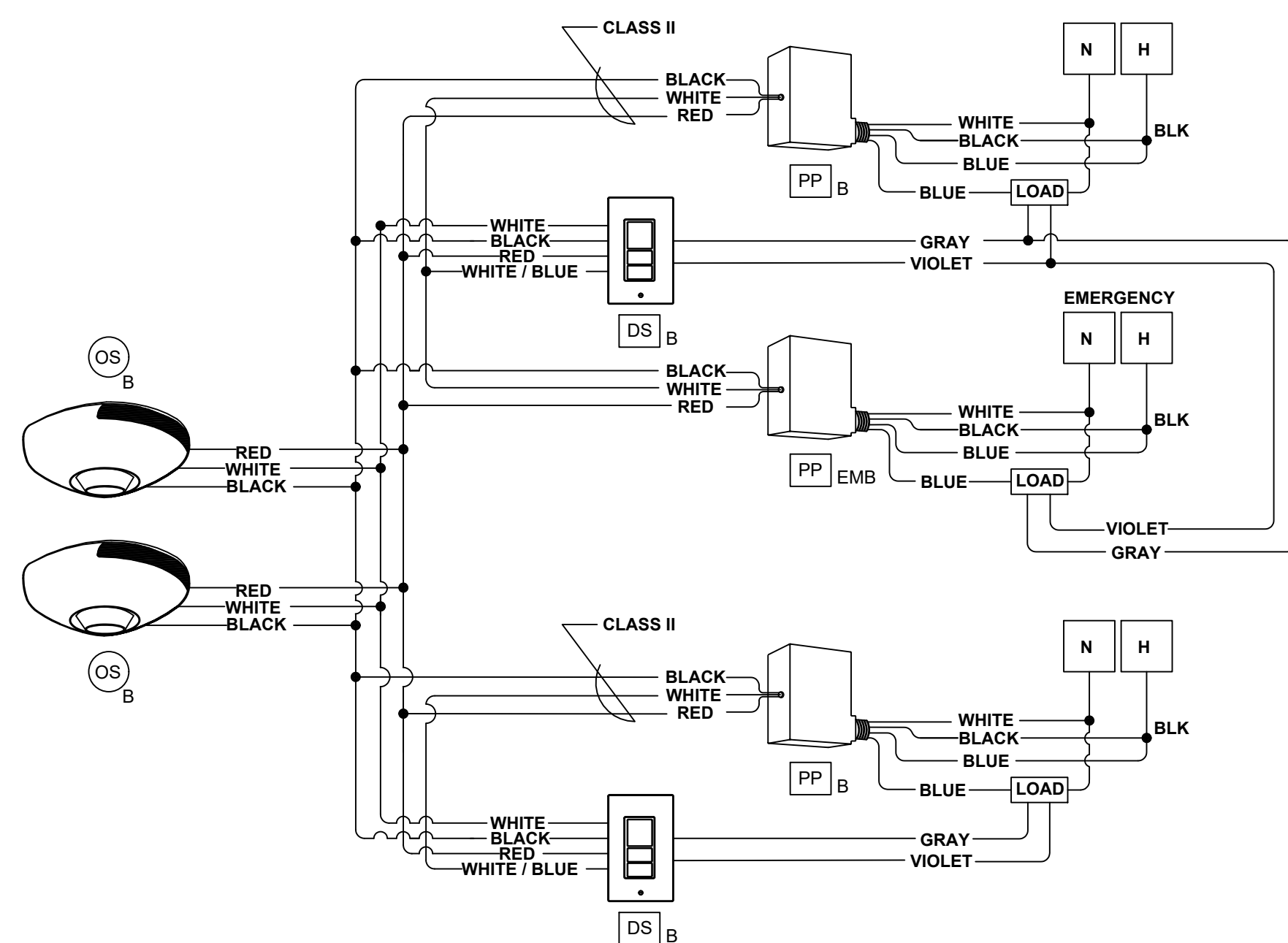
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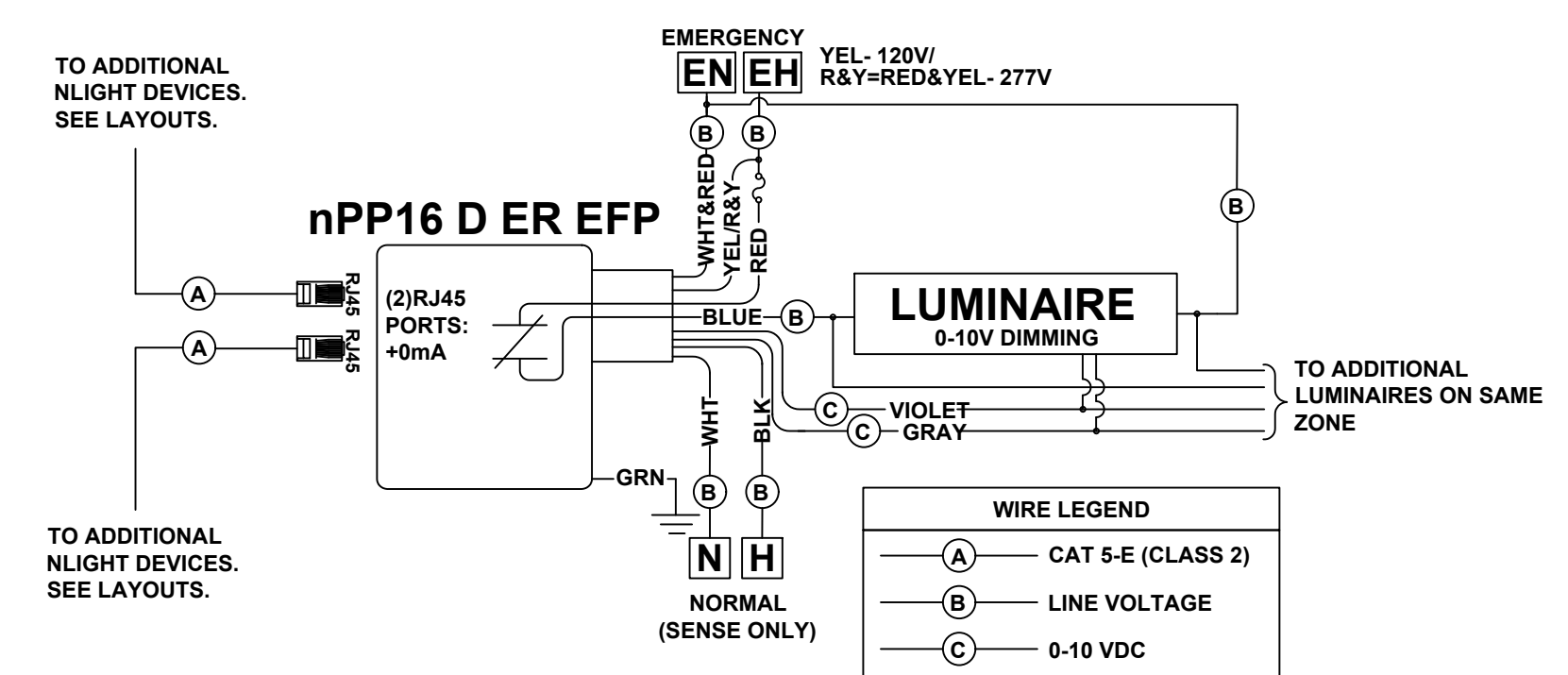
ROUGH-IN
DETAILS &
LIGHTING ZONES

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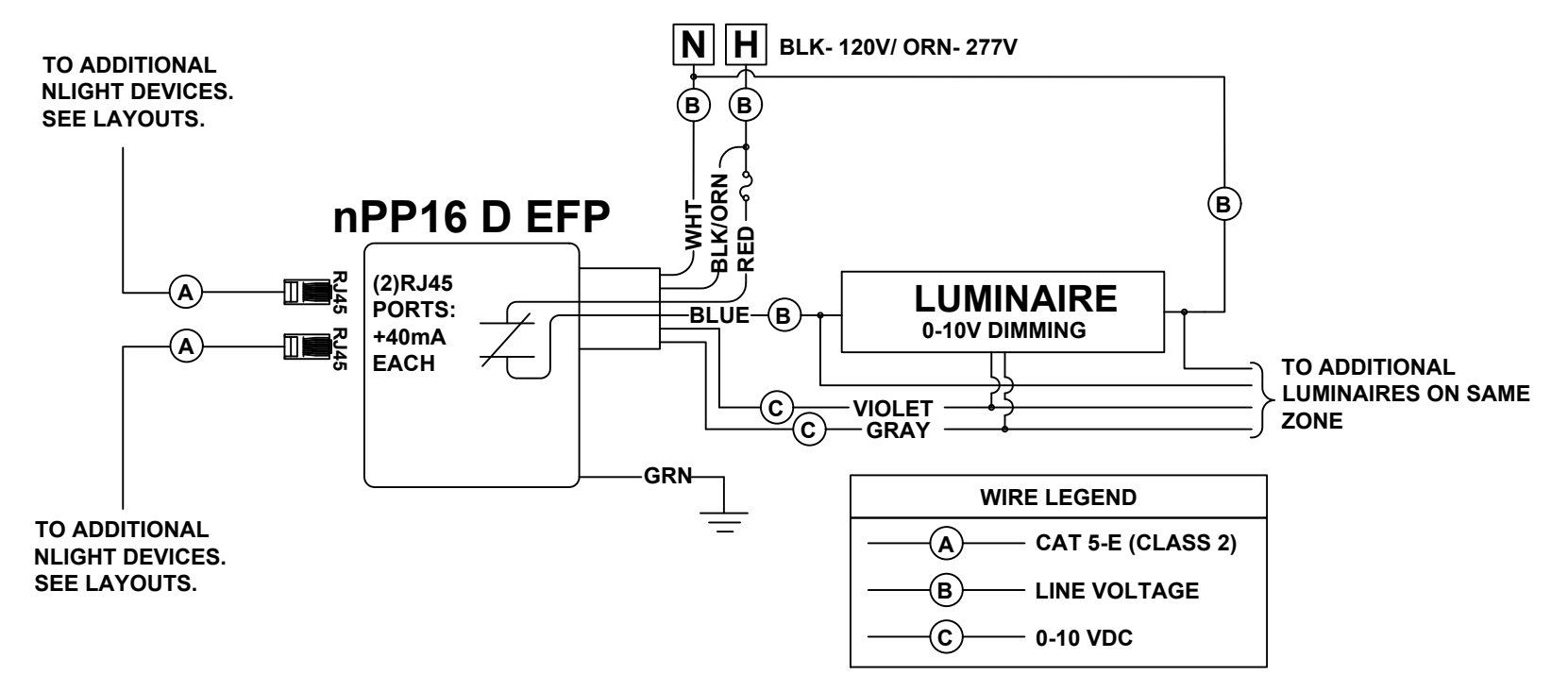
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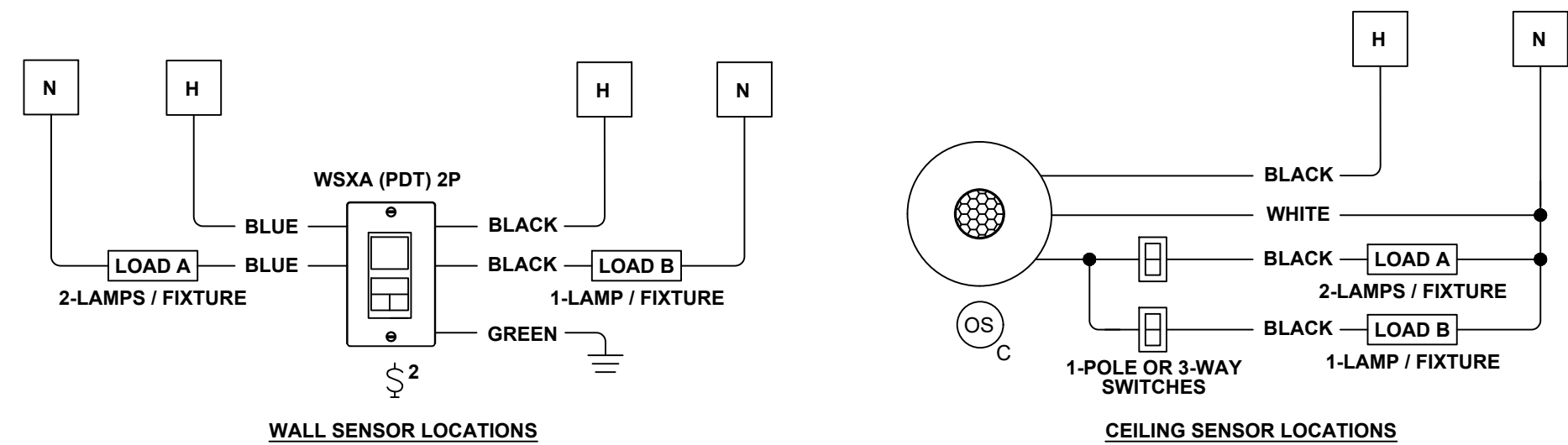
BOARD ROOM WIRING DIAGRAM
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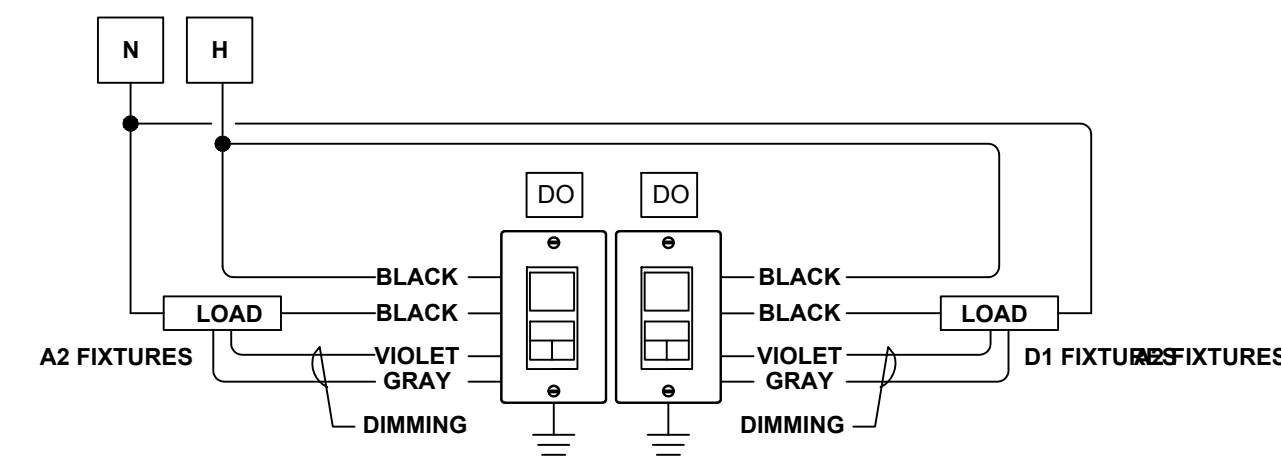
NPP16 D ER EFP WIRING DIAGRAM
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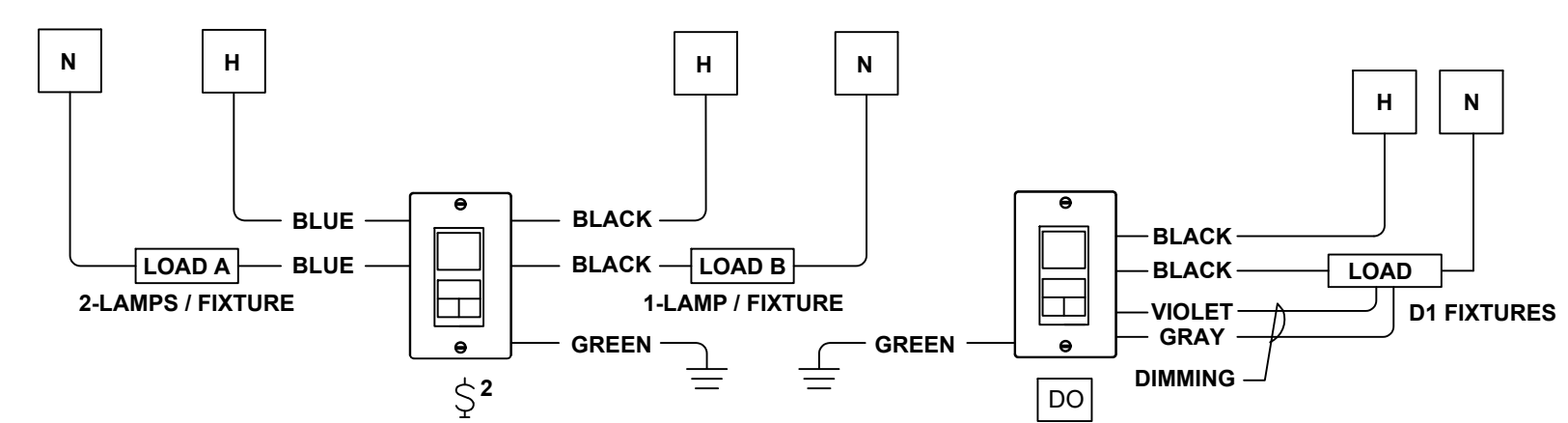
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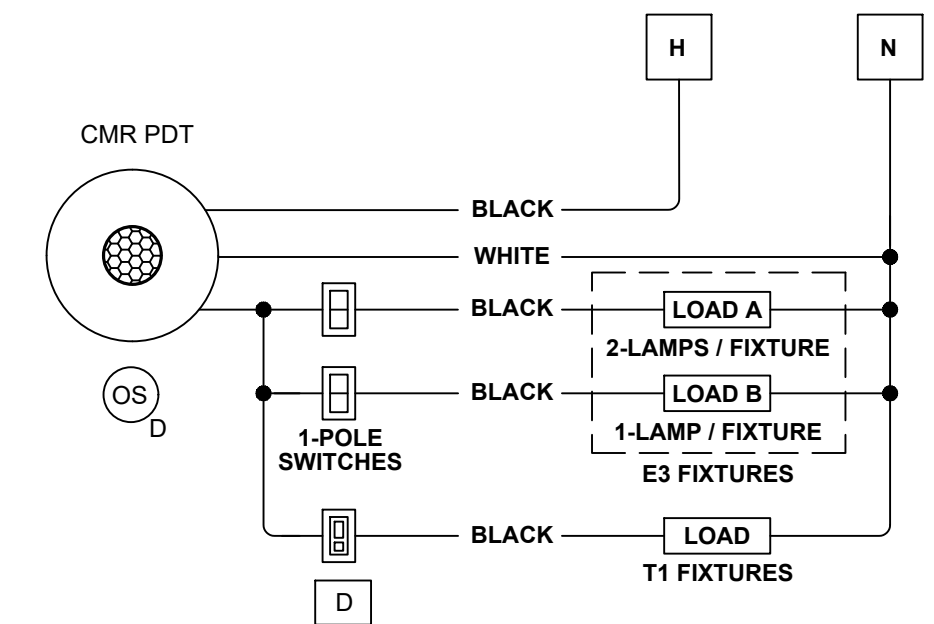
RELOCATED LIGHTING FIXTURE WIRING DIAGRAM
NO SCALE



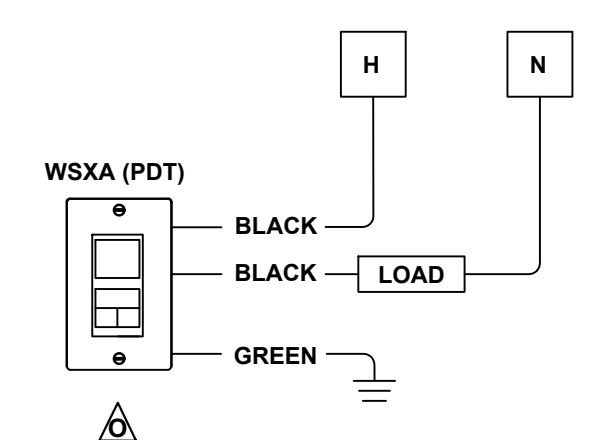
OFFICE WIRING DIAGRAM
NO SCALE



WORKROOM WIRING DIAGRAM
NO SCALE



VIDEO/PHOTO LIGHTING WIRING DIAGRAM
NO SCALE



OCCUPANCY CONTROL - SMALL ROOM
NO SCALE

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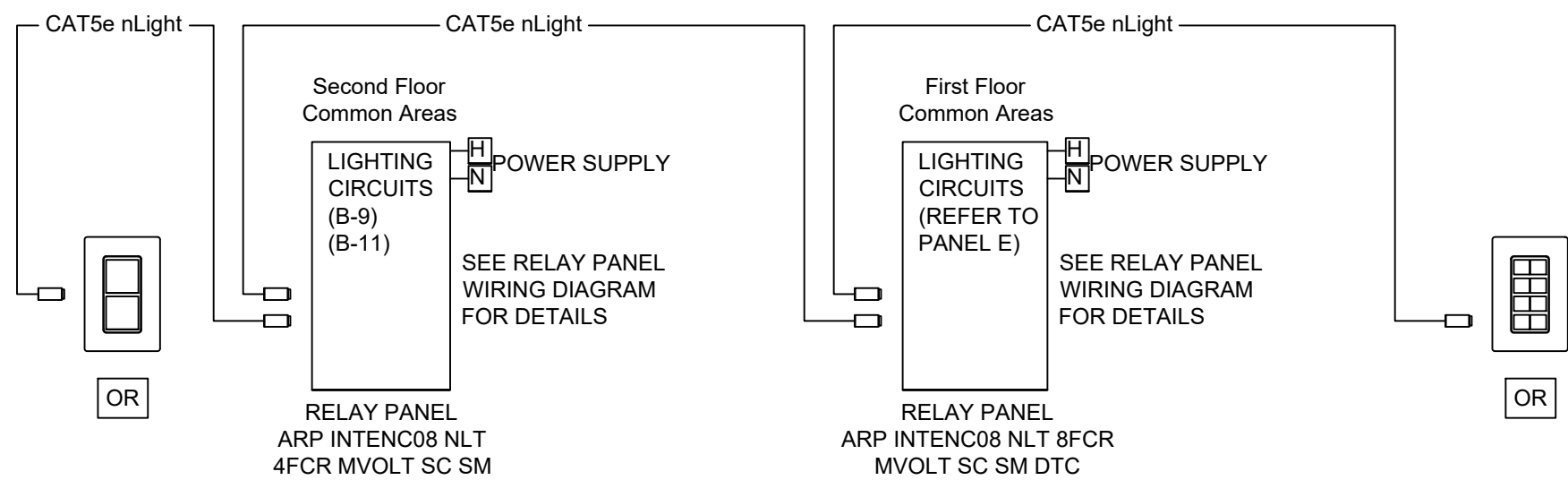
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DIAGRAMS**

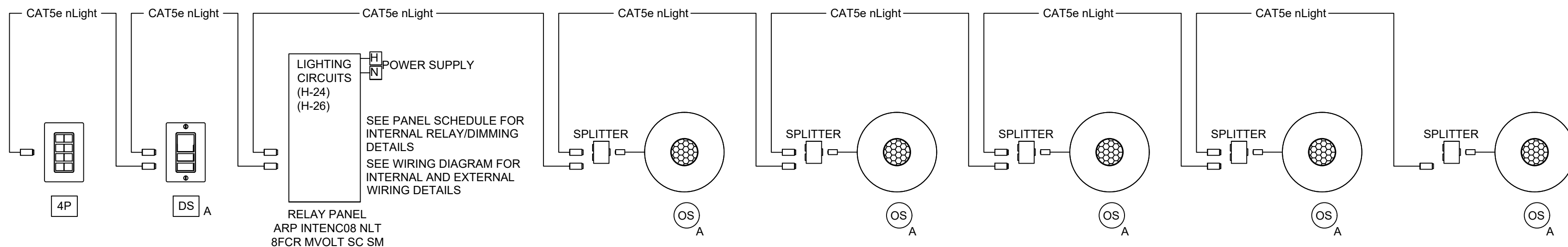
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E5.3

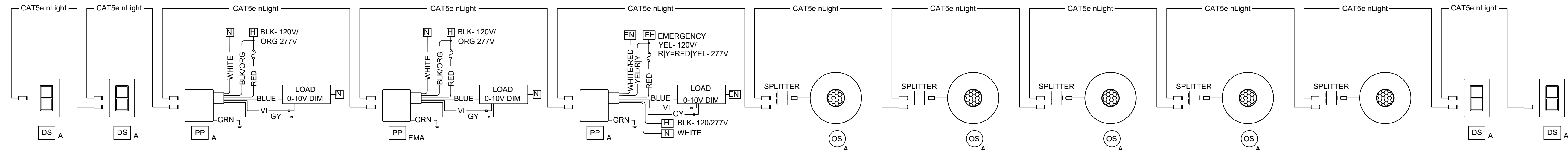


PUBLIC SPACE LIGHTING WIRING DIAGRAM
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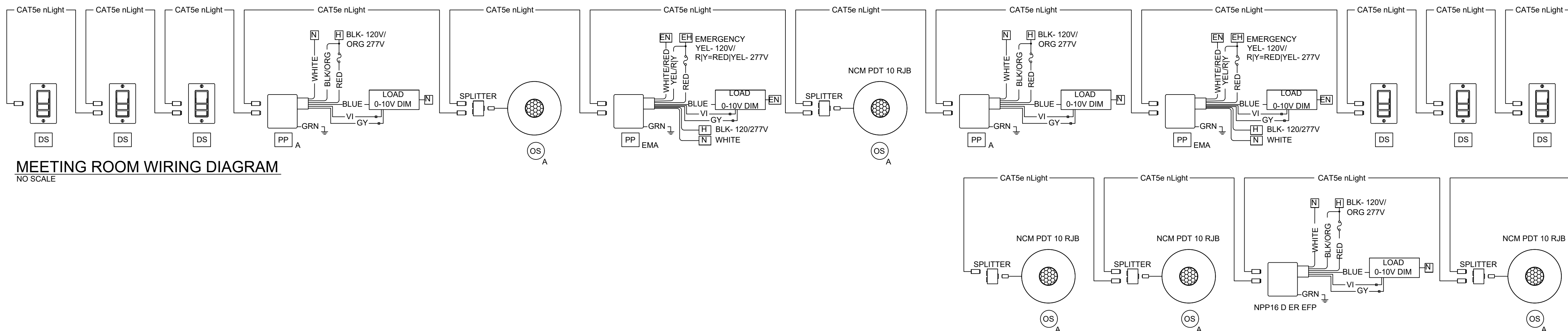
- LIGHTING CONTROL NOTES**
- COORDINATE LOCATIONS OF LIGHTING RELAY PANELS IN FIELD WITH OWNER'S REPRESENTATIVE.
 - PROVIDE PROGRAMMING SERVICES FOR RELAY PANELS. COORDINATE TIME OF DAY SCHEDULES WITH OWNER'S REPRESENTATIVE. PROGRAMMING TO BE PERFORMED BY AN AUTHORIZED FACTORY REPRESENTATIVE.
 - PROVIDE PROGRAMMING SERVICES FOR ALL LIGHTING CONTROL (WALL AND CEILING) DEVICES. COORDINATE REQUIREMENTS ON A ROOM-BY-ROOM BASIS WITH OWNER'S REPRESENTATIVE. PROGRAMMING TO BE PERFORMED BY AN AUTHORIZED FACTORY REPRESENTATIVE.
 - ALL LIGHTING FIXTURES IN EACH ROOM/SPACE SHALL BE WIRED TO BE CONTROLLED CONSISTENTLY FOR EACH FIXTURE TYPE. REFER TO LIGHTING PLANS FOR FIXTURE (LOADS) QUANTITIES TO BE CONTROLLED IN EACH ROOM/SPACE.



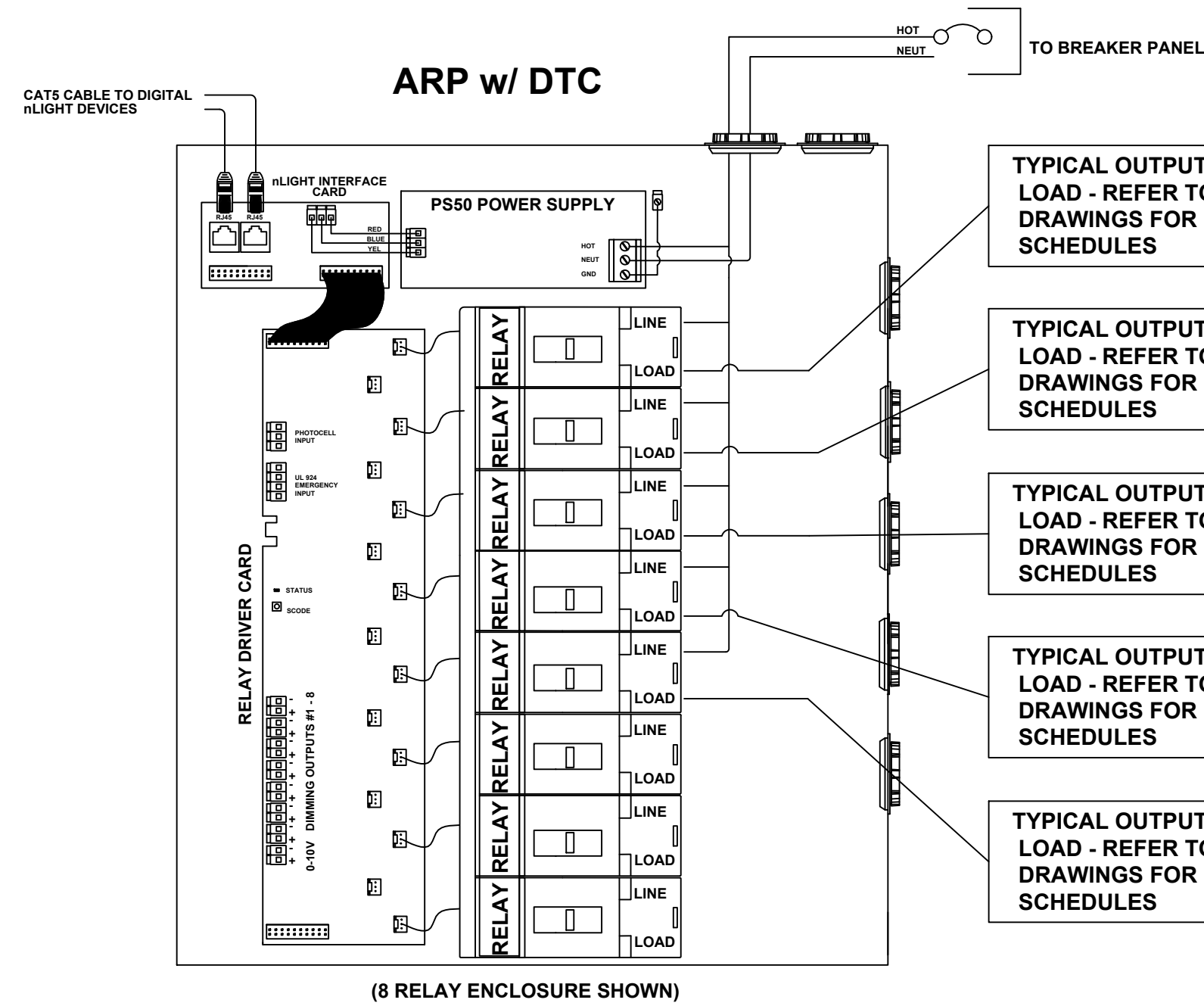
MAKERSPACE WIRING DIAGRAM
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GREENE COUNTY ROOM WIRING DIAGRAM
NO SCALE



MEETING ROOM WIRING DIAGRAM
NO SCALE

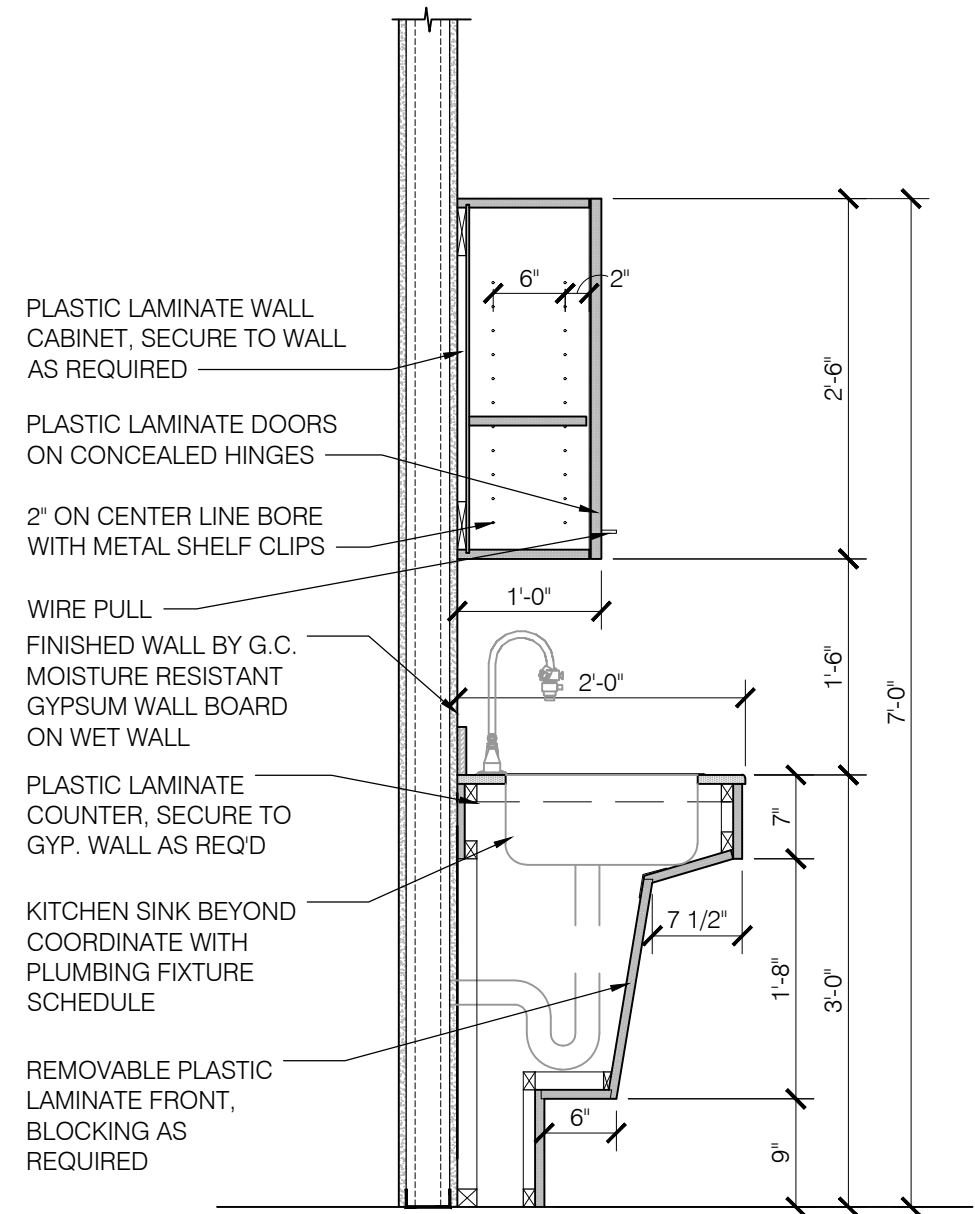


RELAY PANEL WIRING DIAGRAM
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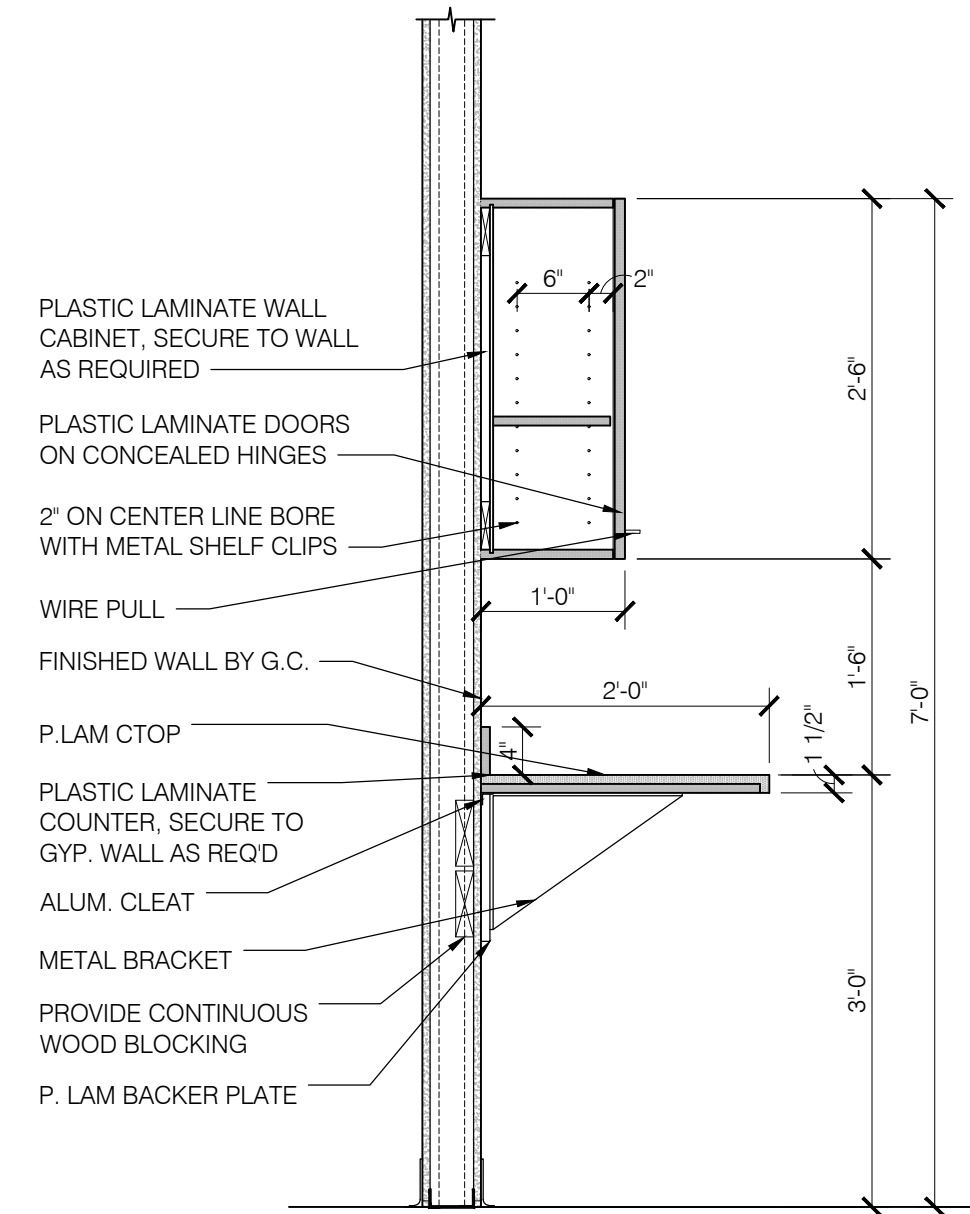
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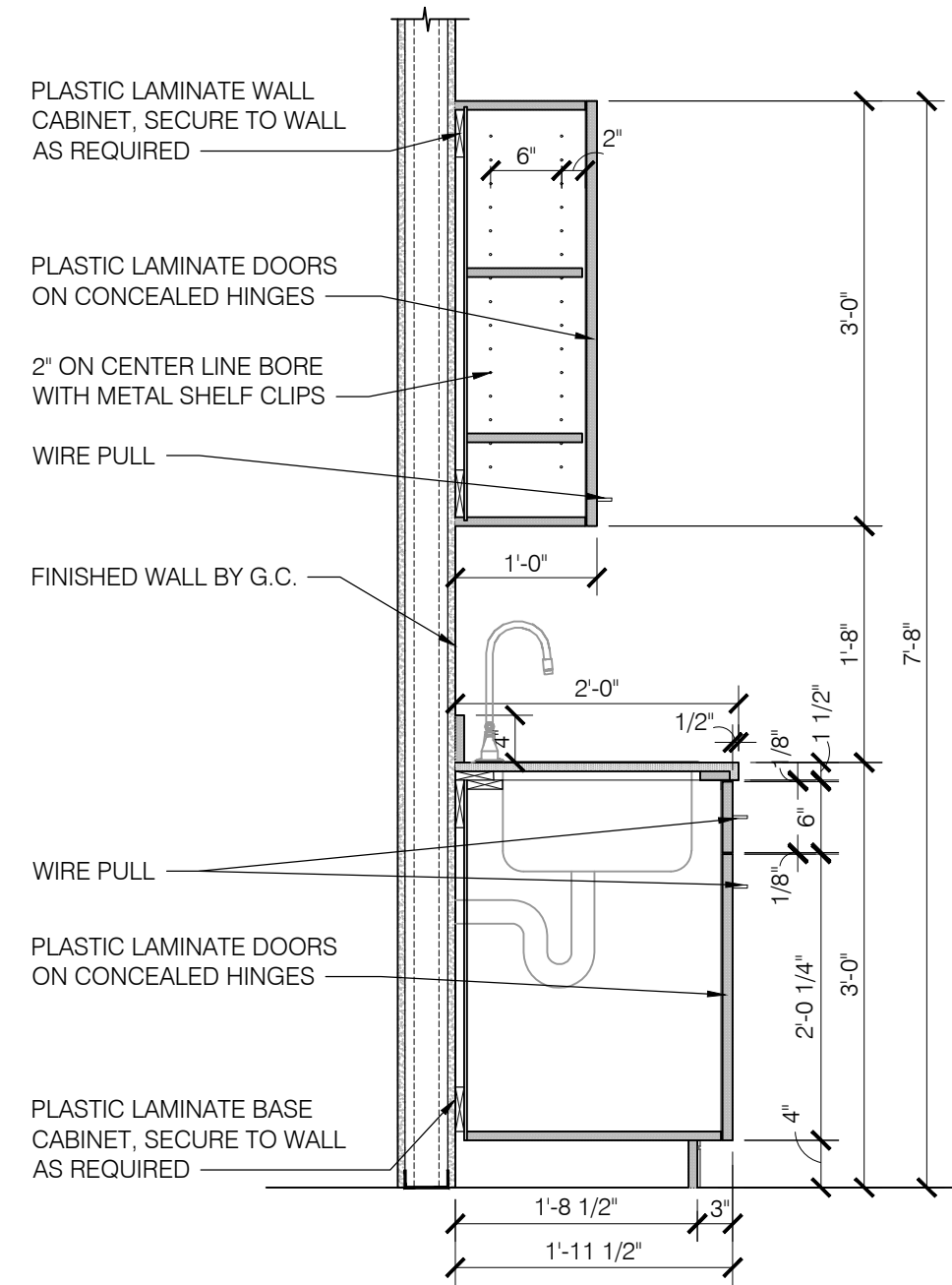
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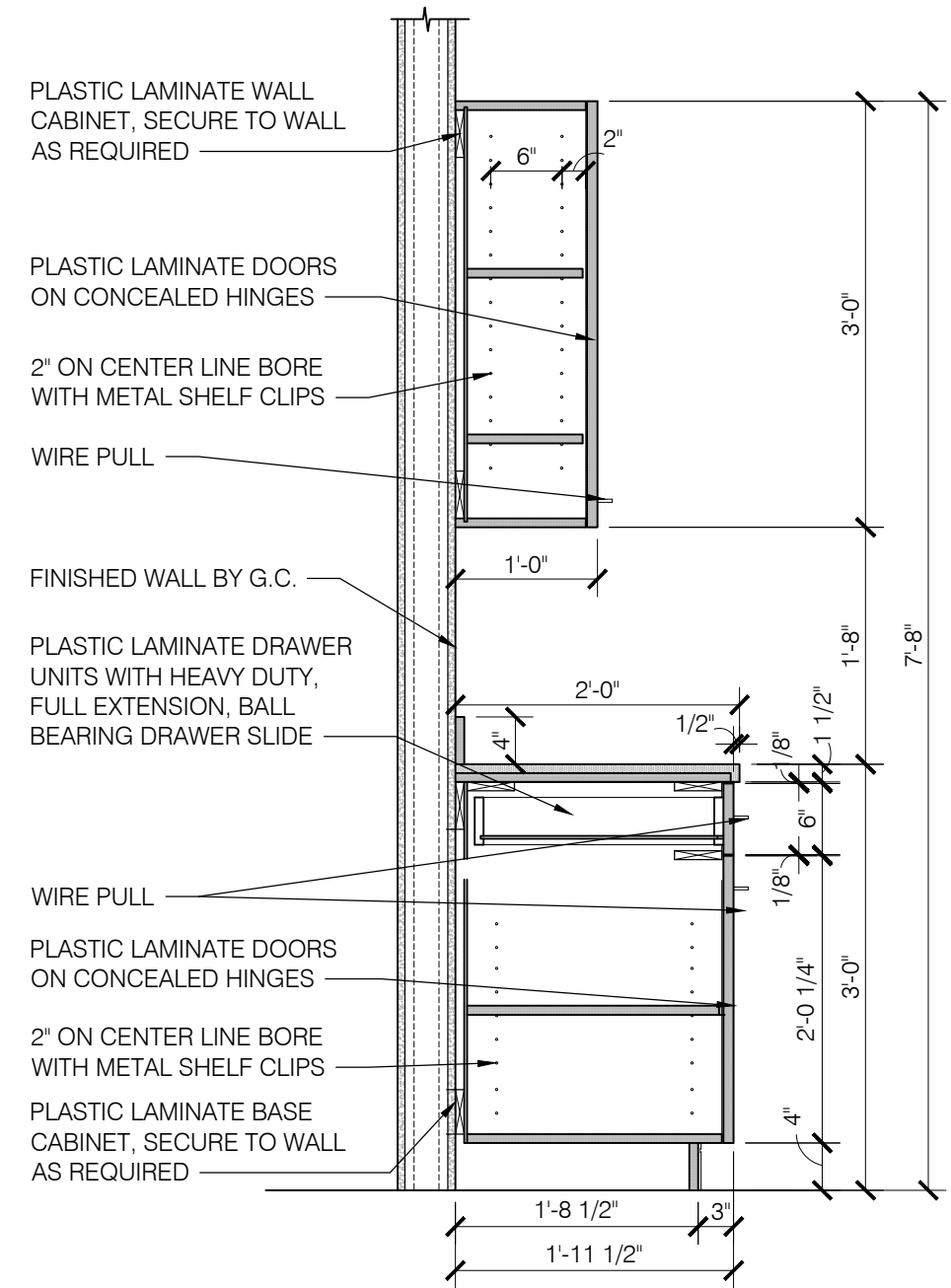
12
1501
MAKERSPACE 125
SECTION
SCALE: 3/4" = 1'-0"



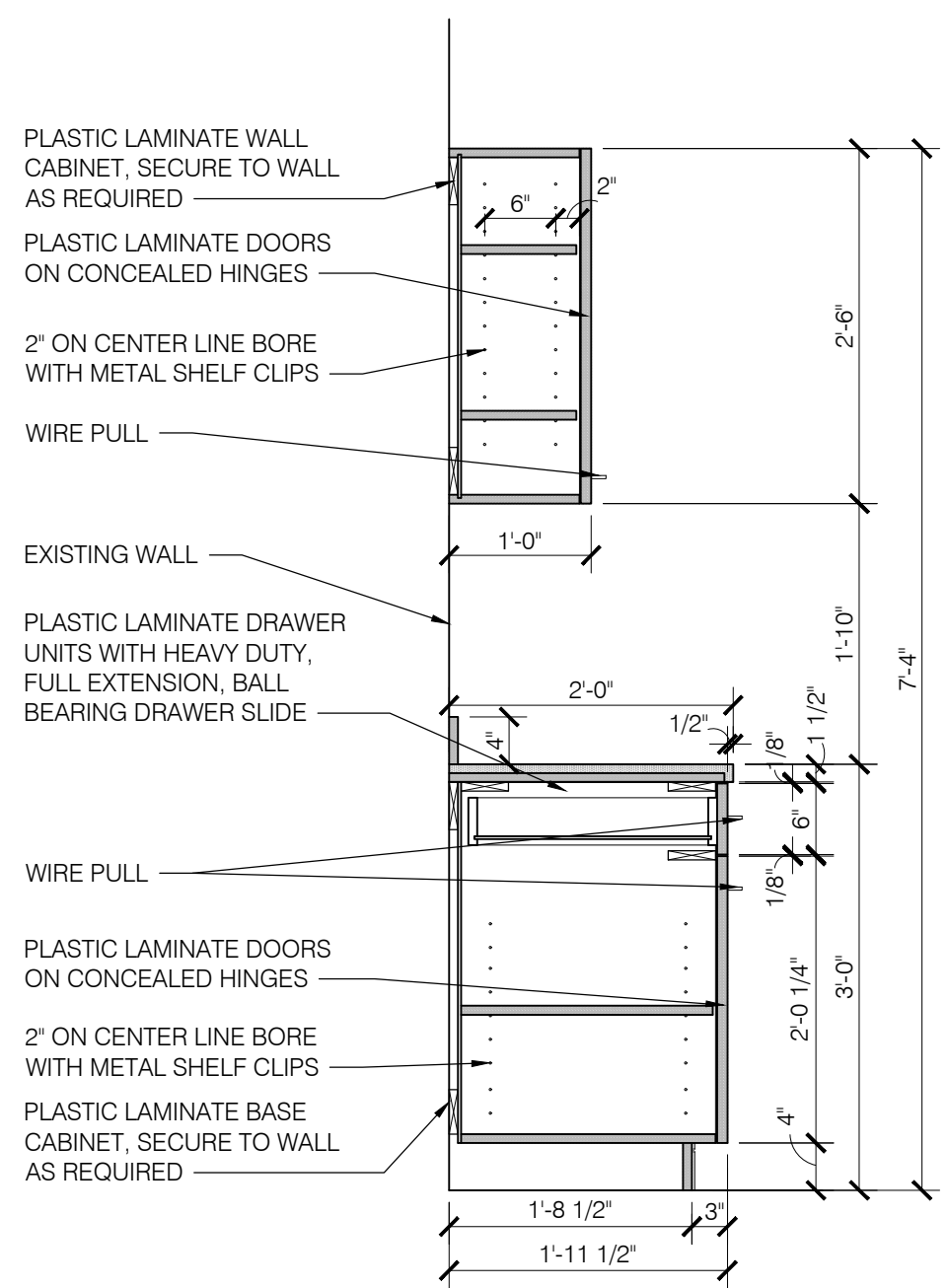
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MAKERSPACE 125
SECTION
SCALE: 3/4" = 1'-0"



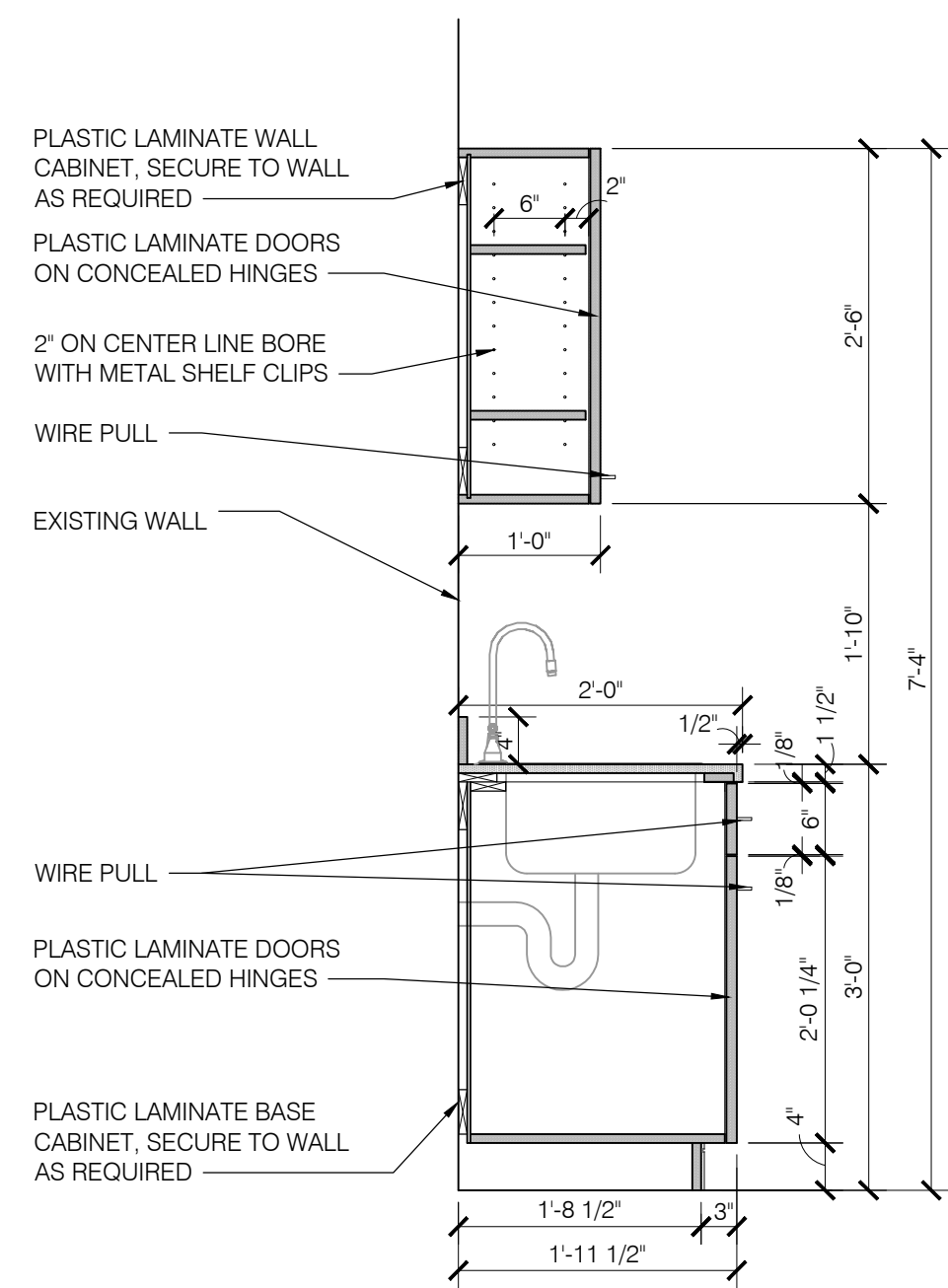
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MEETING ROOM 118
SECTION
SCALE: 3/4" = 1'-0"



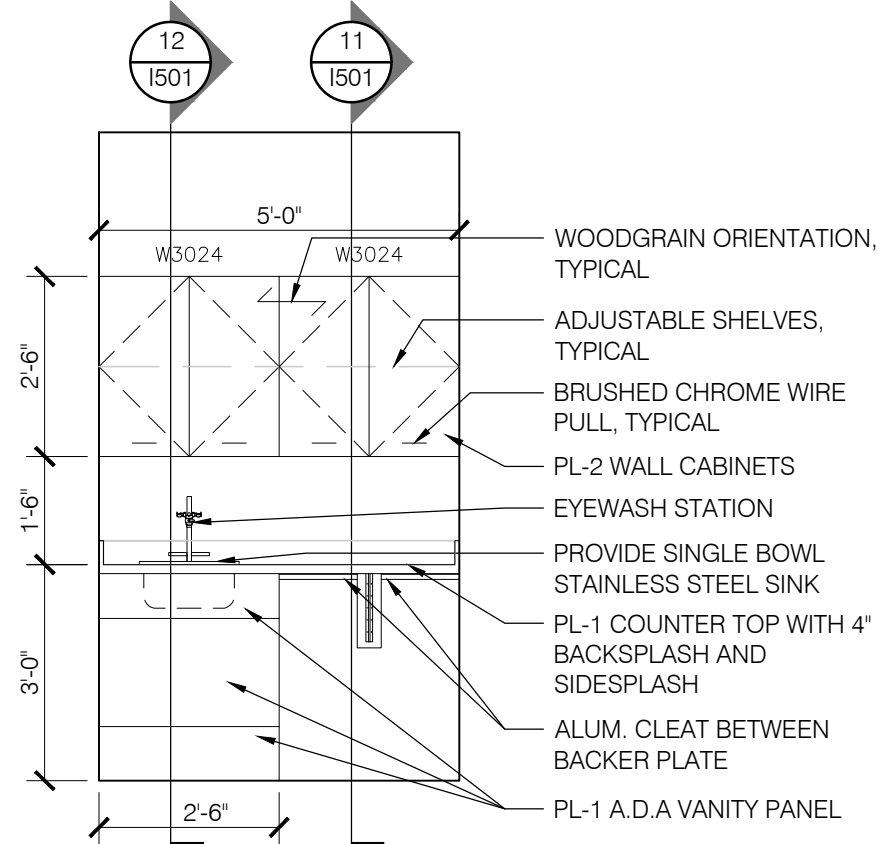
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MEETING ROOM 118
SECTION
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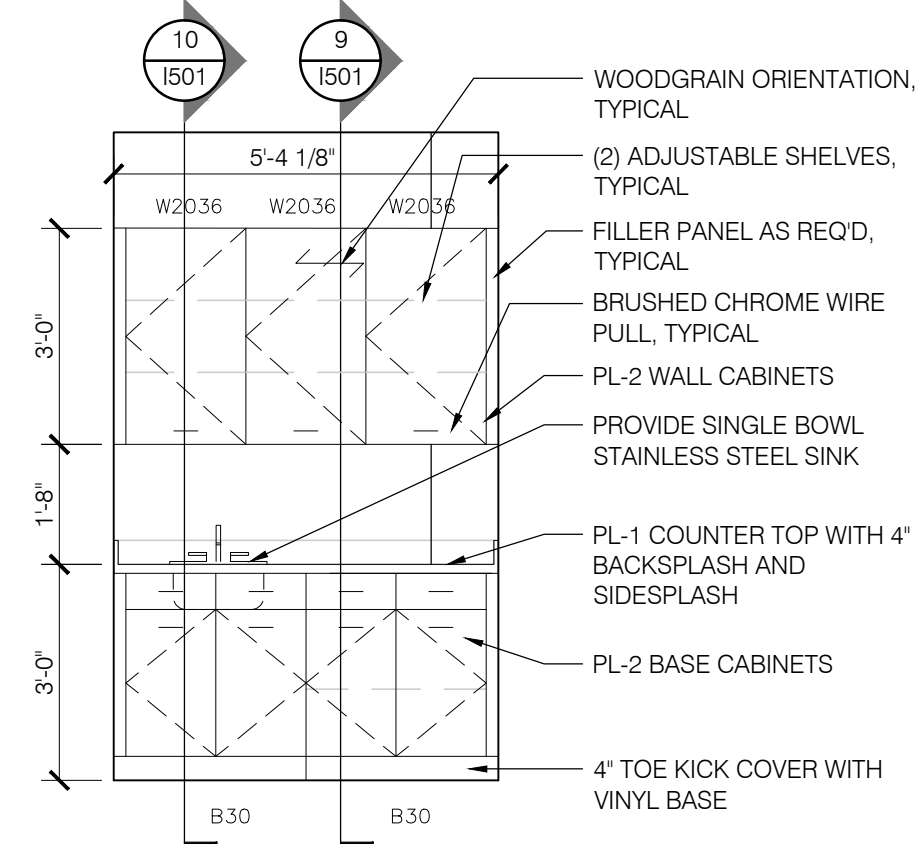
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YOUTH WORKROOM 107
SECTION
SCALE: 3/4" = 1'-0"



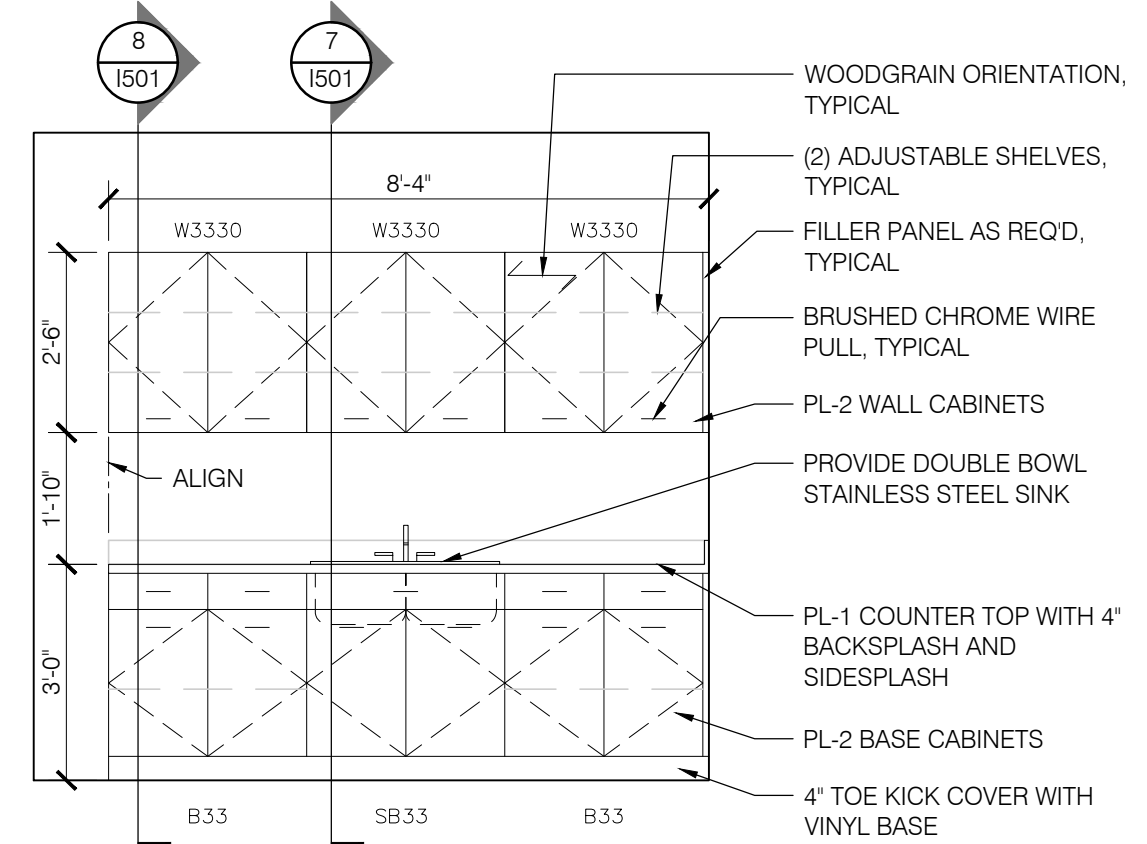
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YOUTH WORKROOM 107
SECTION
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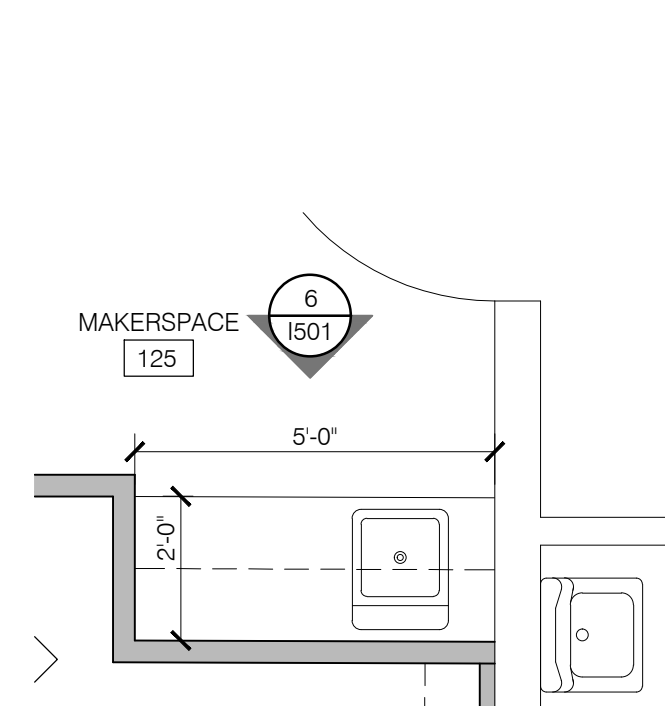
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MAKERSPACE 125
ELEVATION
SCALE: 3/8" = 1'-0"



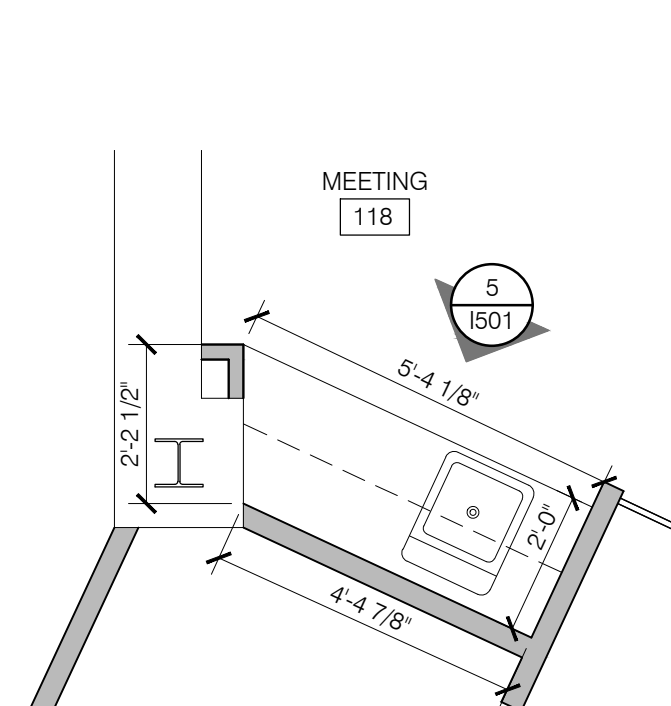
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MEETING ROOM 118
ELEVATION
SCALE: 3/8" = 1'-0"



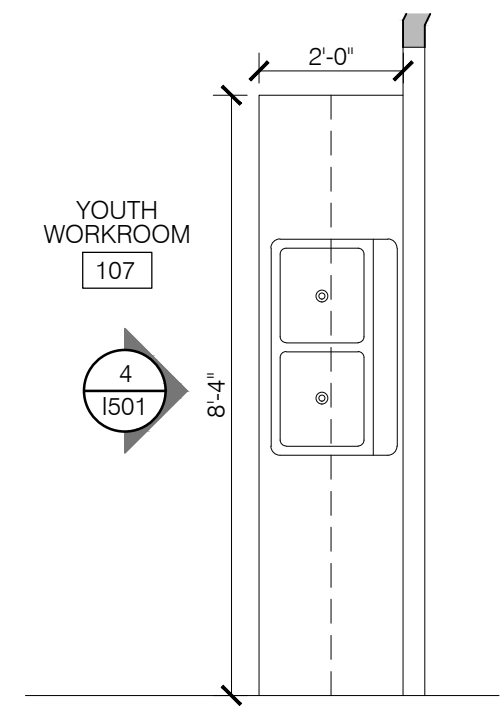
4
1501
YOUTH WORKROOM 107
ELEVATION
SCALE: 3/8" = 1'-0"



3
1501
MAKERSPACE 125
ENLARGED PLAN
SCALE: 3/8" = 1'-0"



2
1501
MEETING ROOM 118
ENLARGED PLAN
SCALE: 3/8" = 1'-0"



1
1501
YOUTH WORKROOM 107
ENLARGED PLAN
SCALE: 3/8" = 1'-0"

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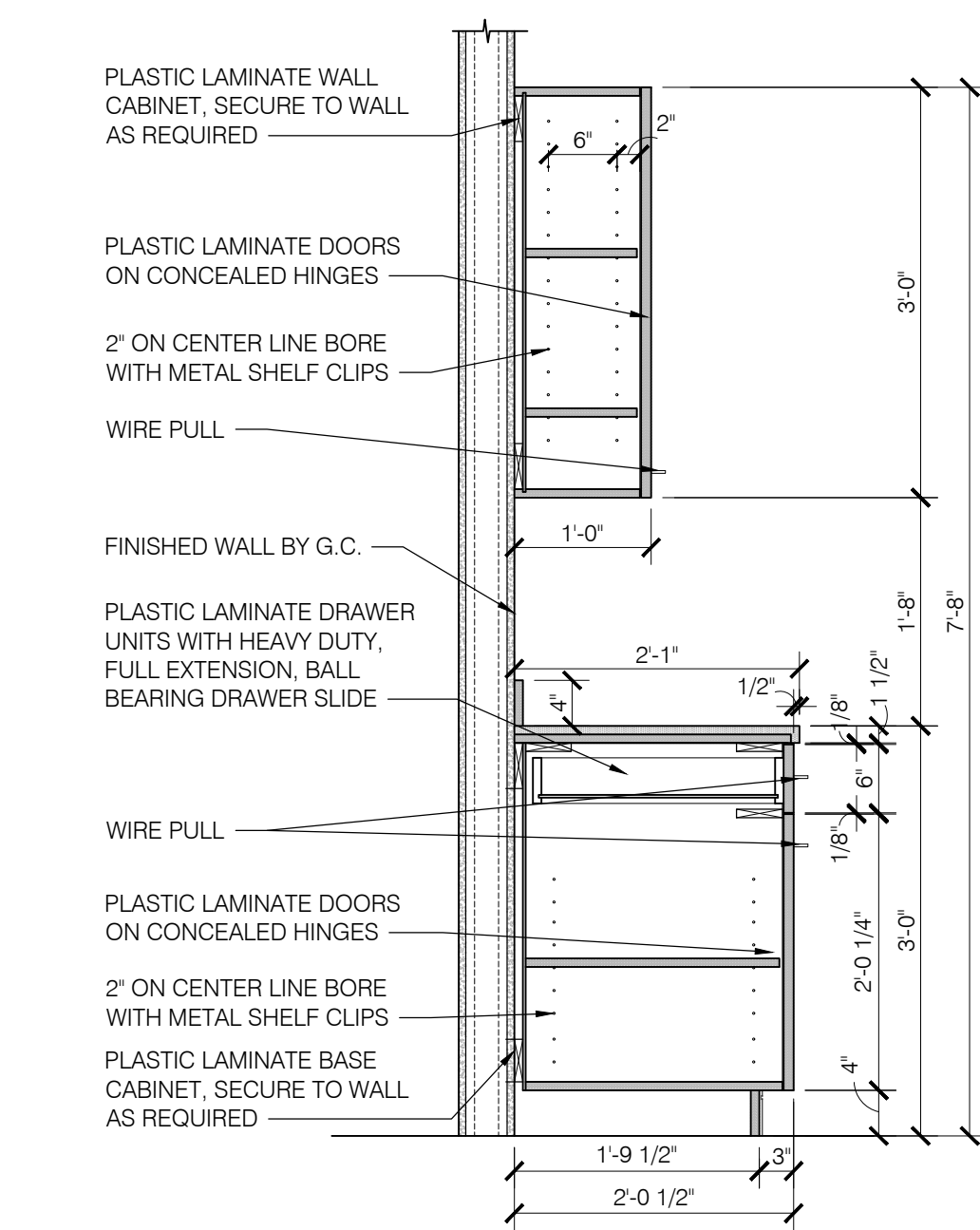
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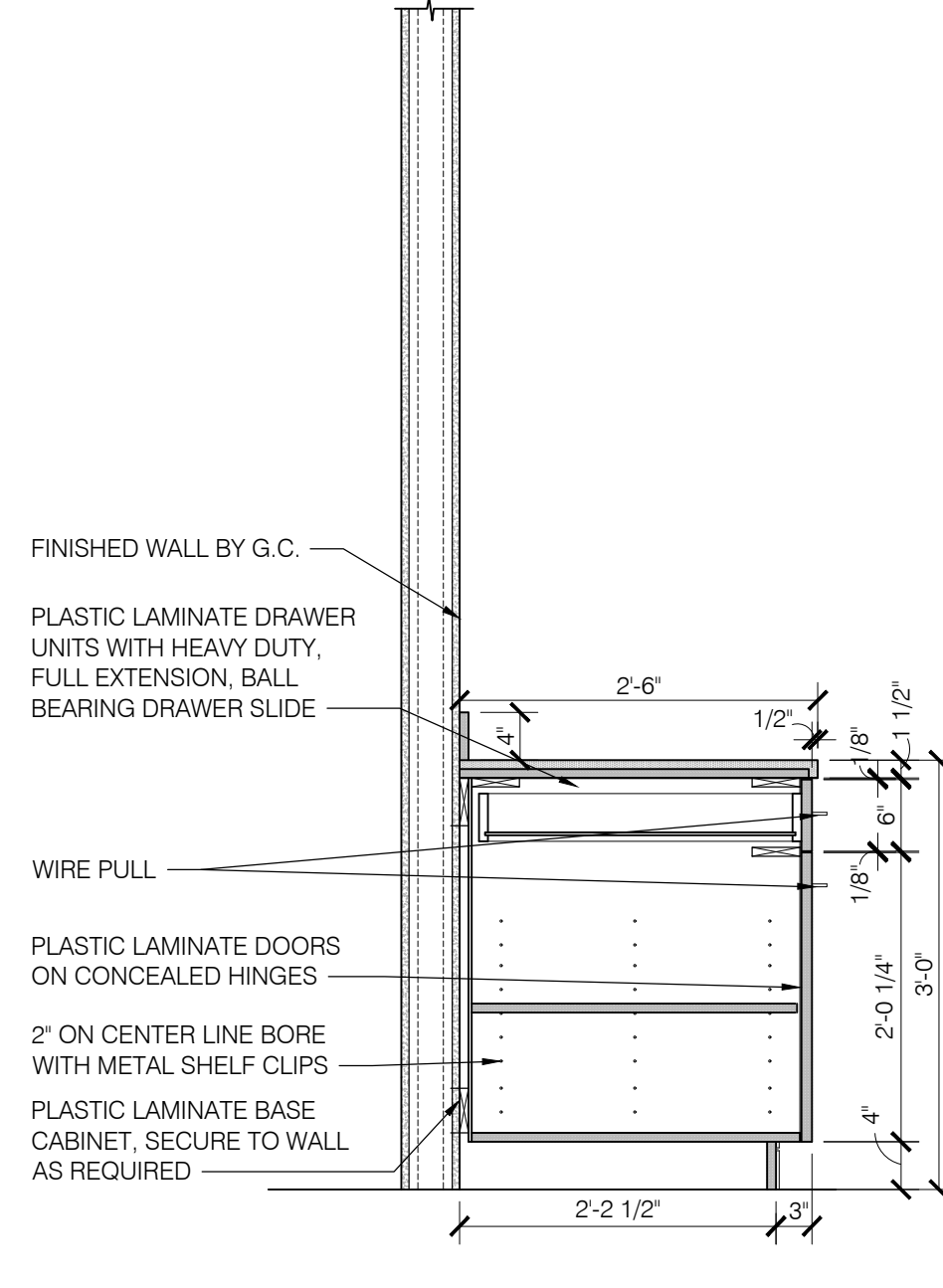
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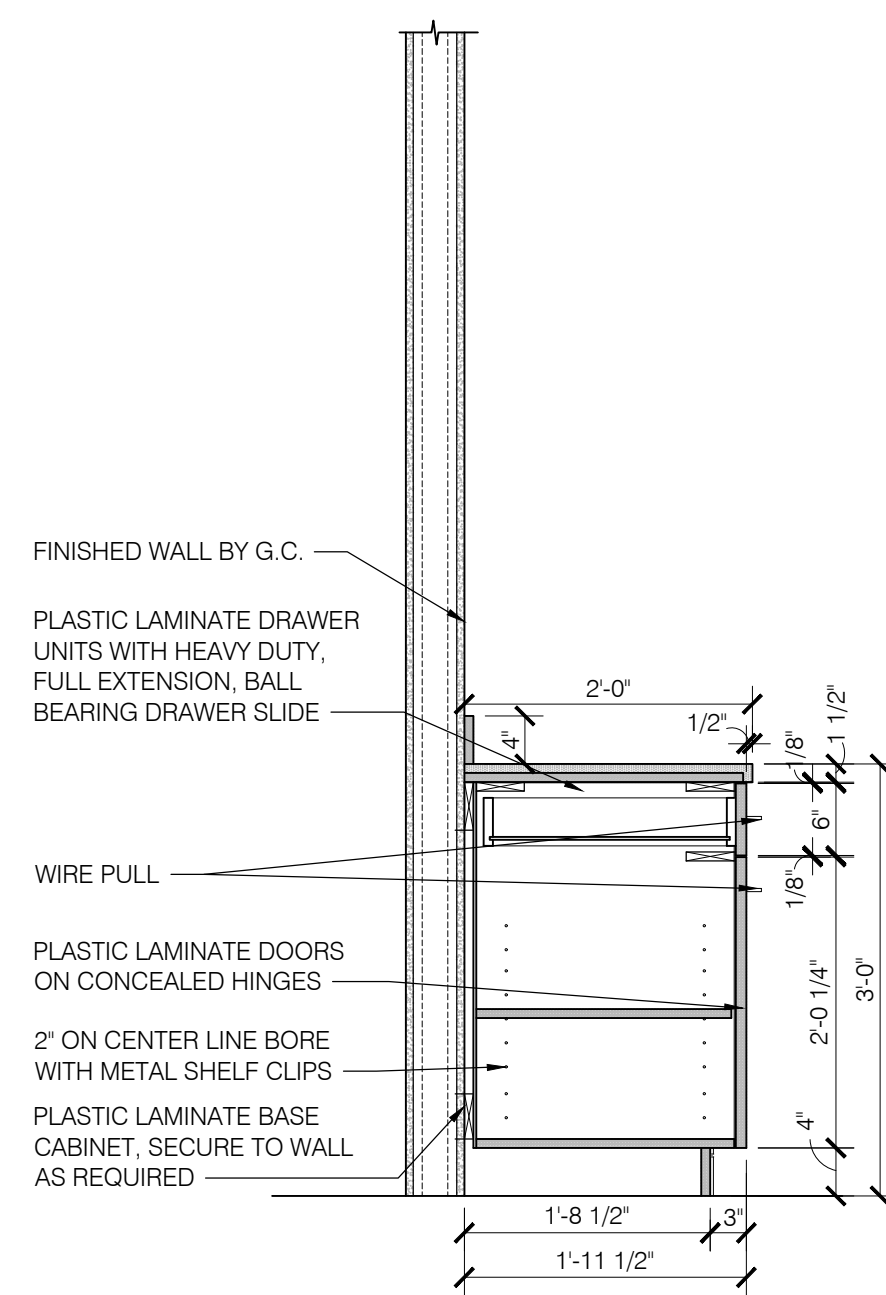
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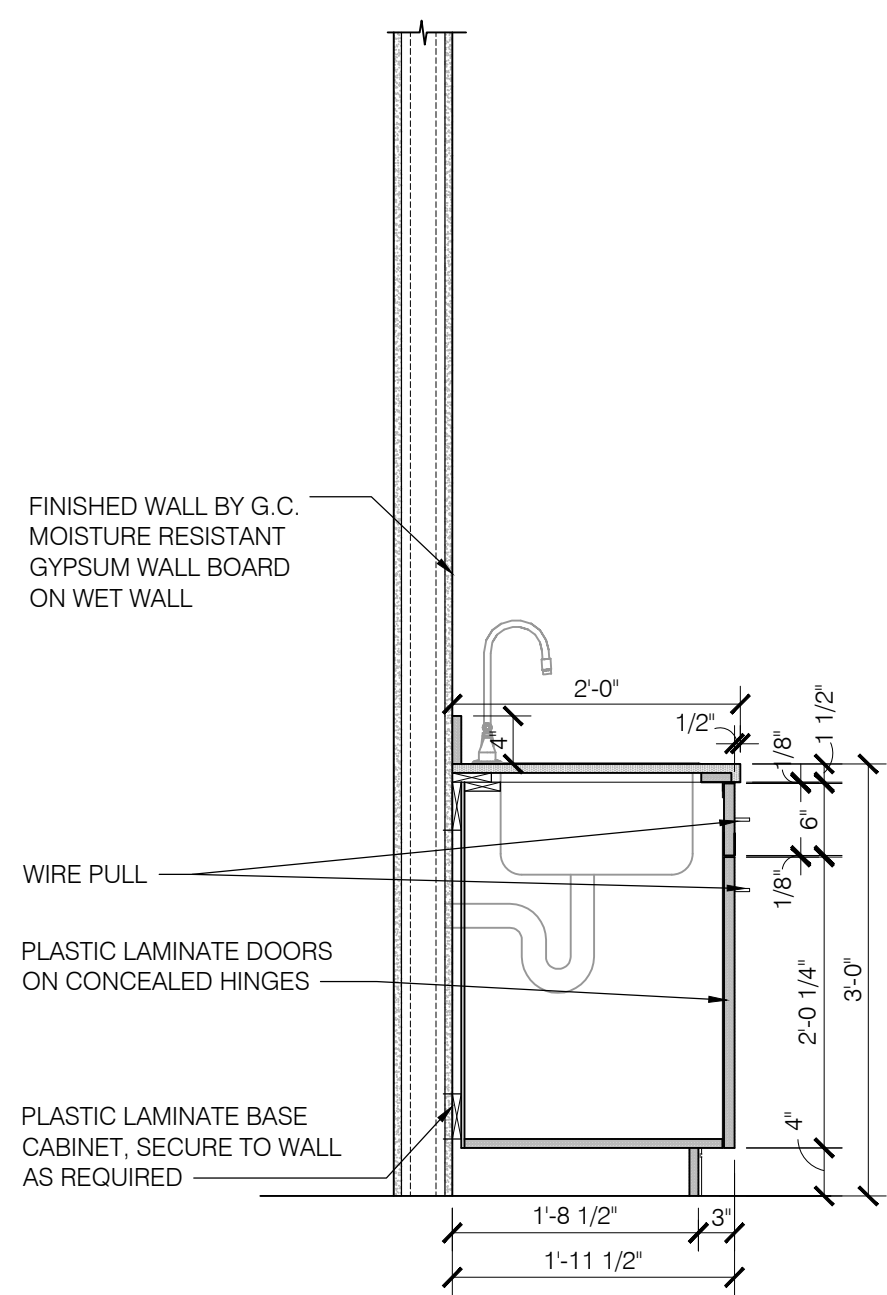
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WORKROOM 204
SECTION
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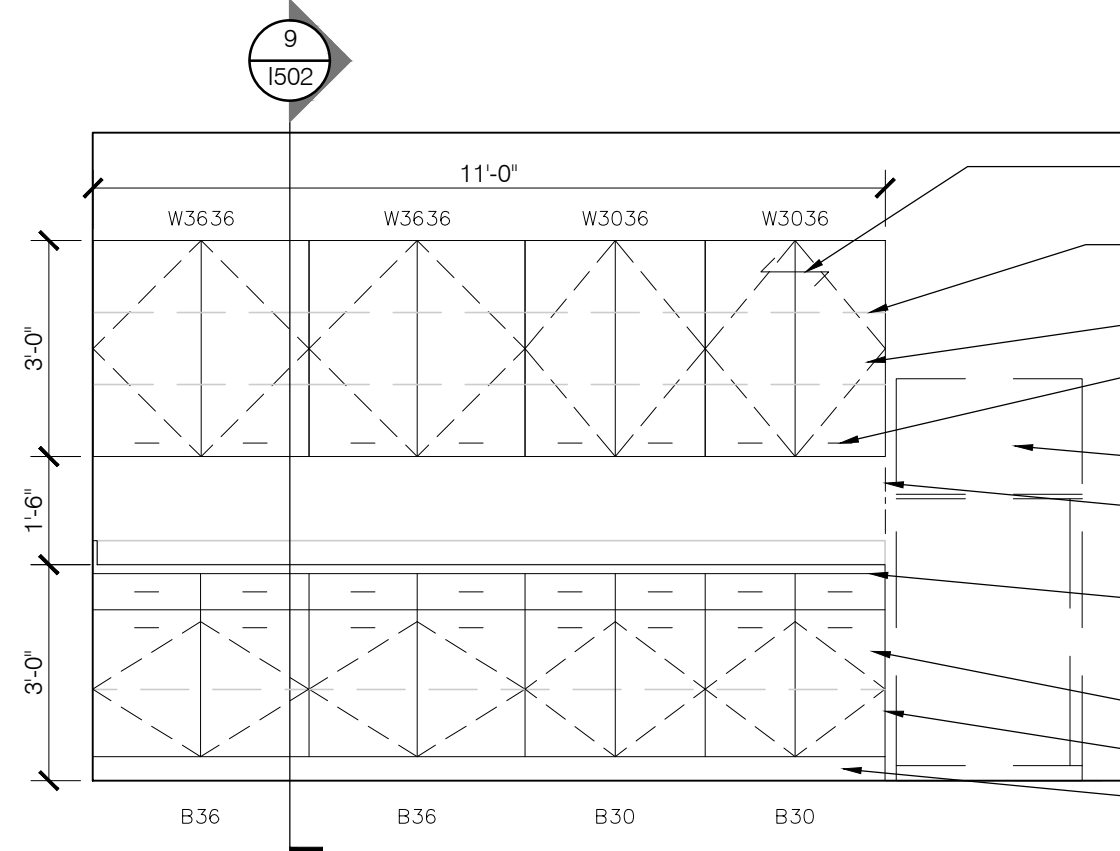
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WORKROOM 204
SECTION
SCALE: 3/4" = 1'-0"



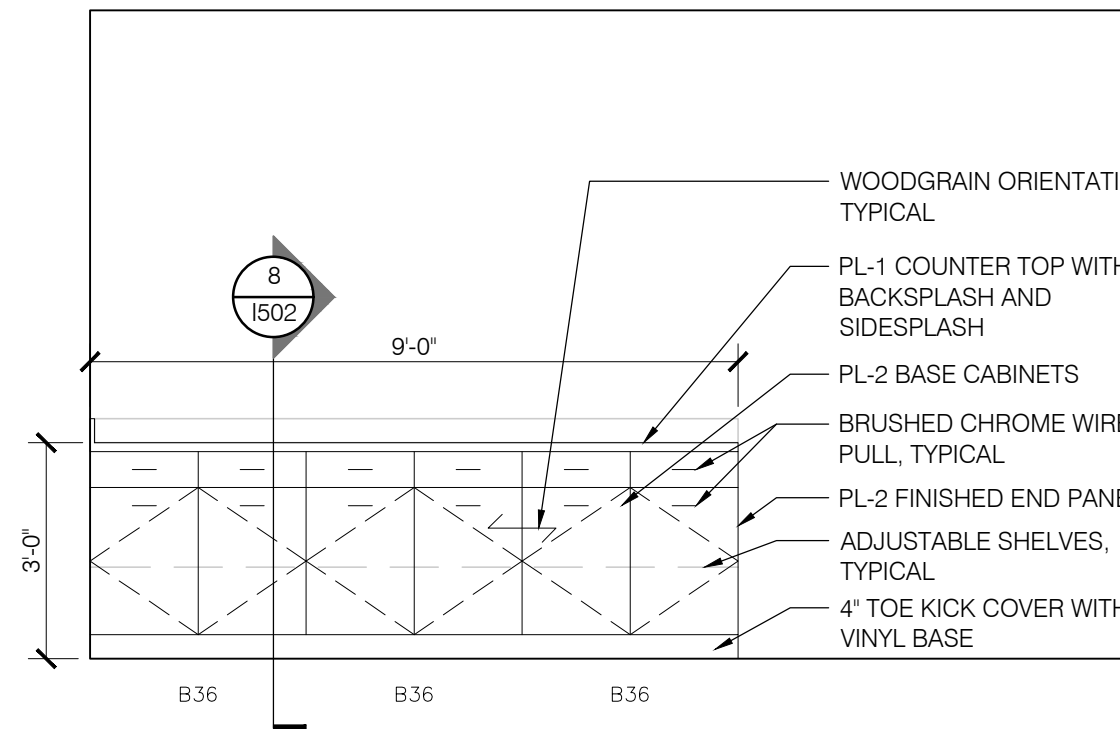
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STORAGE 202
SECTION
SCALE: 3/4" = 1'-0"



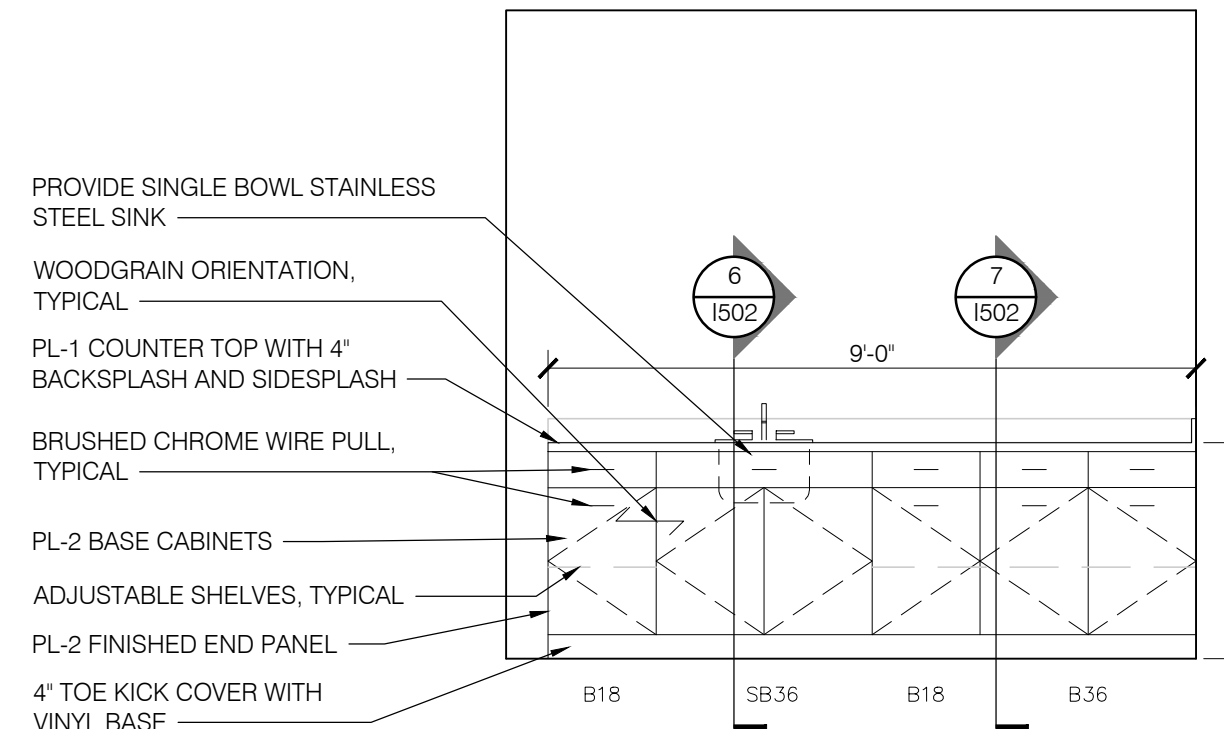
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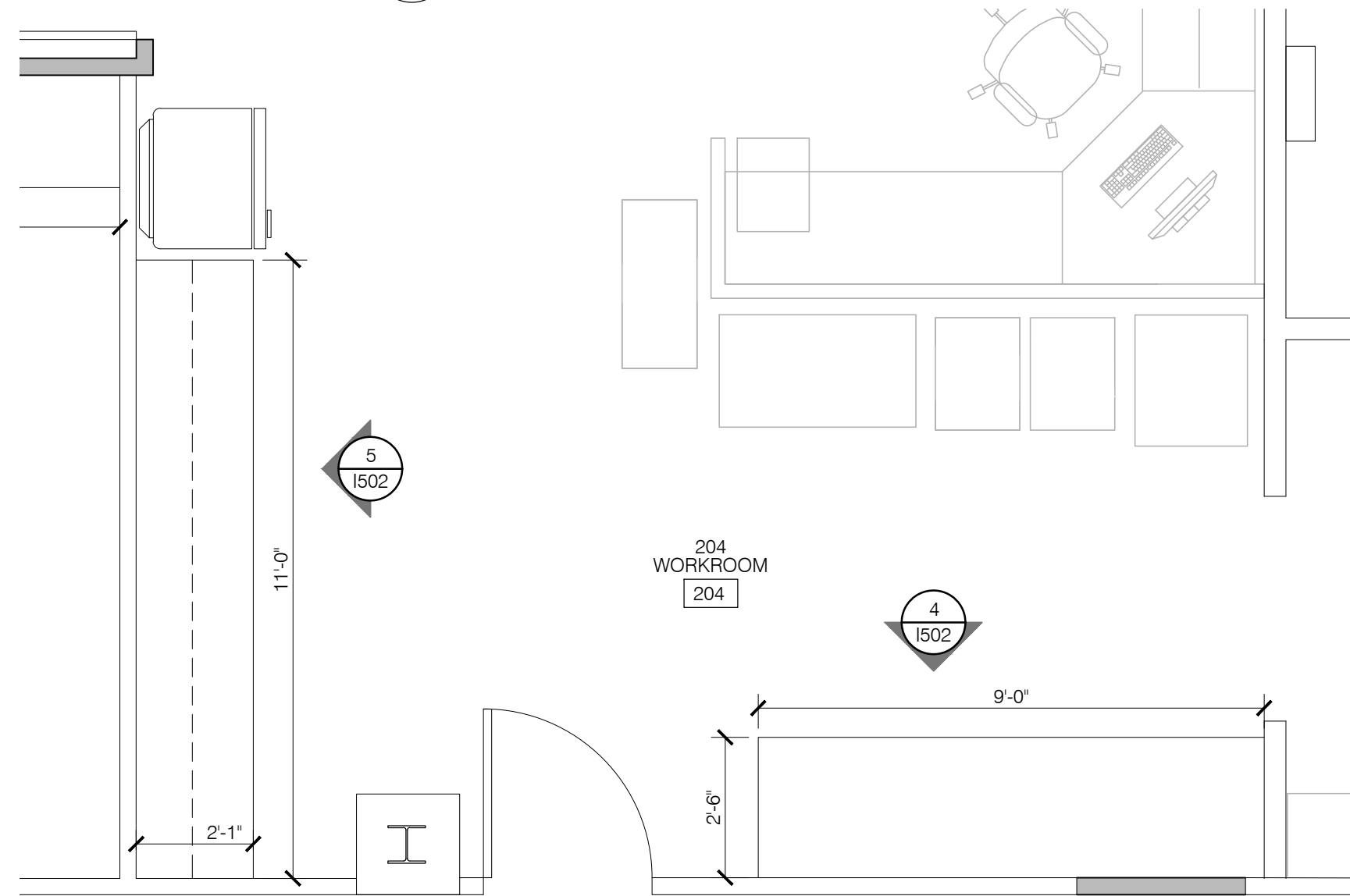
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WORKROOM 204
ELEVATION
SCALE: 3/8" = 1'-0"



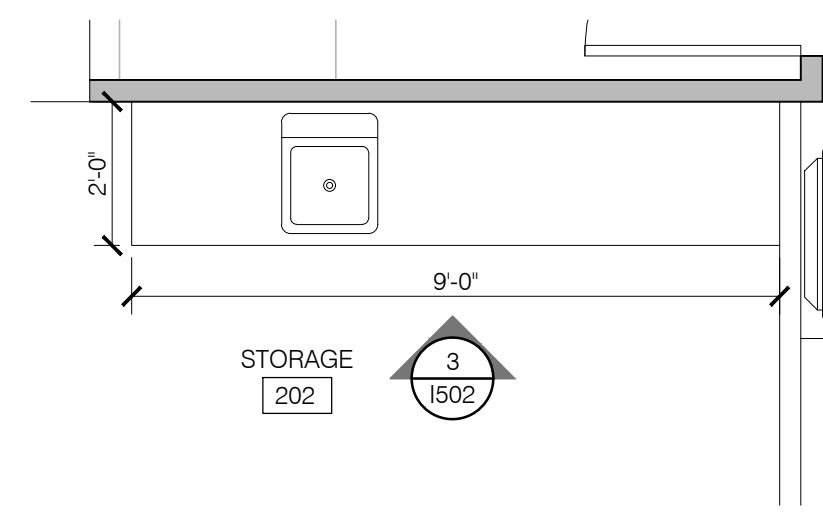
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1502
WORKROOM 204
ELEVATION
SCALE: 3/8" = 1'-0"



3
1502
STORAGE 202
ELEVATION
SCALE: 3/8" = 1'-0"



2
1502
WORKROOM 204
ENLARGED PLAN
SCALE: 3/8" = 1'-0"



1
1502
STORAGE 202
ENLARGED PLAN
SCALE: 3/8" = 1'-0"

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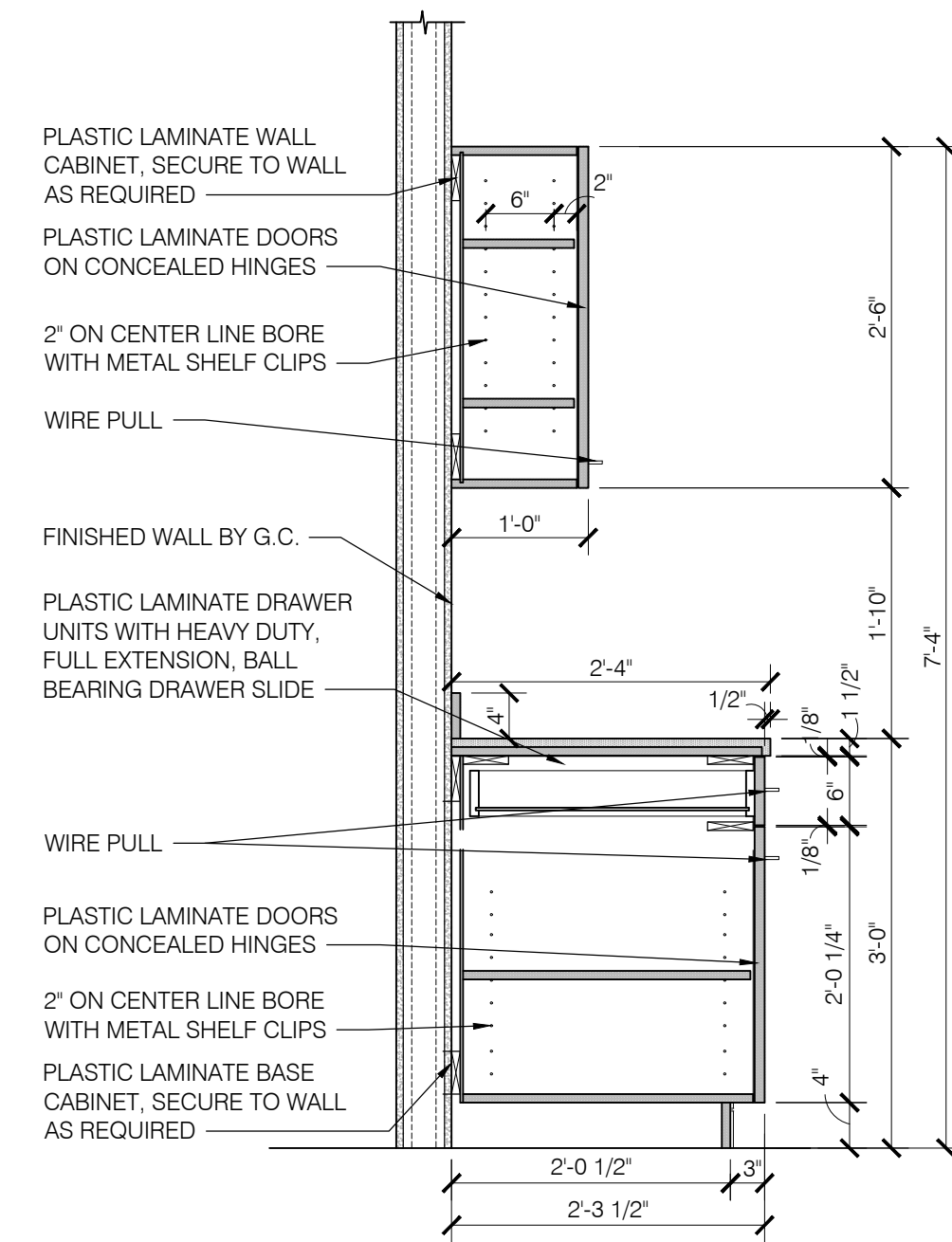
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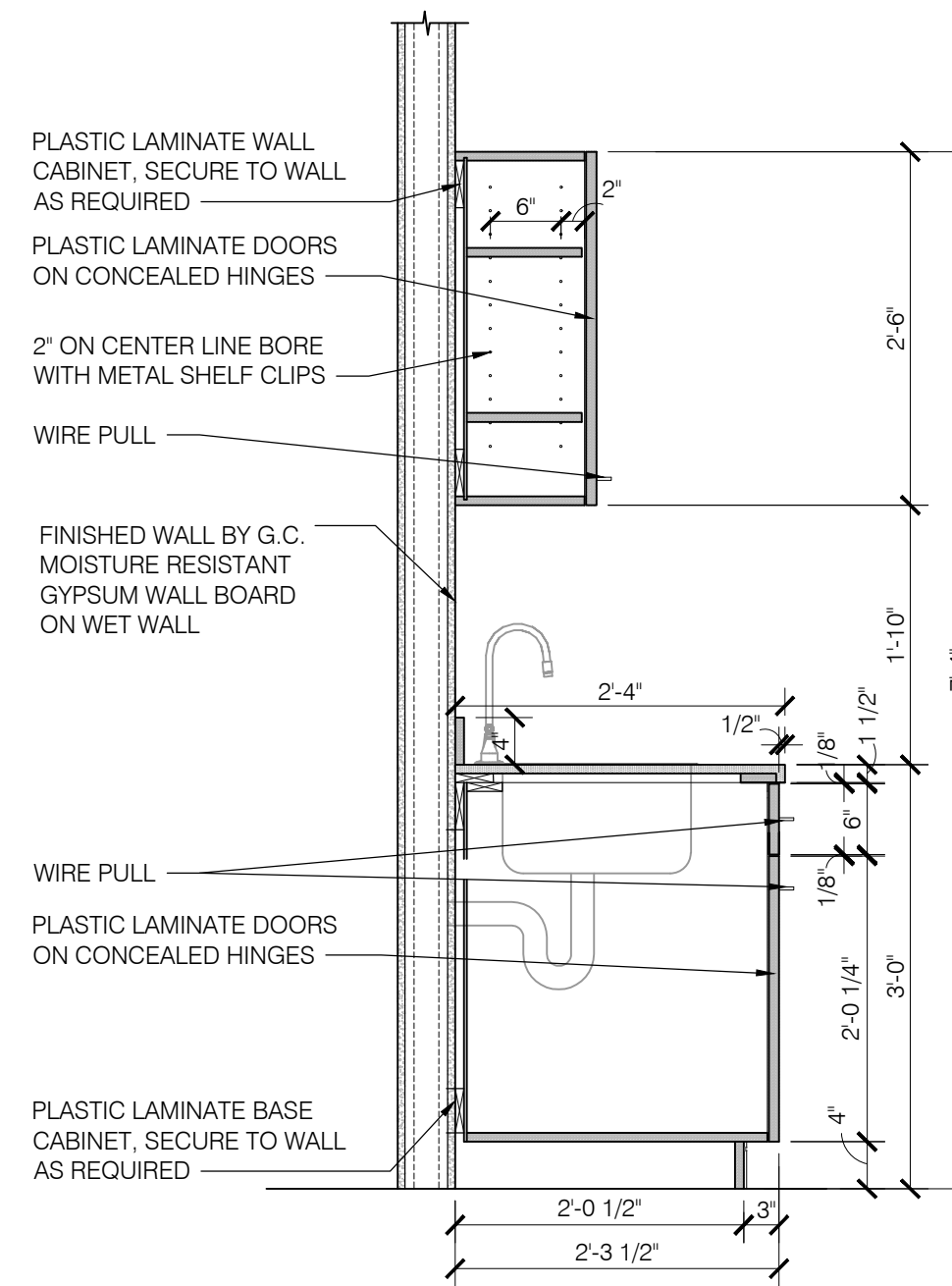
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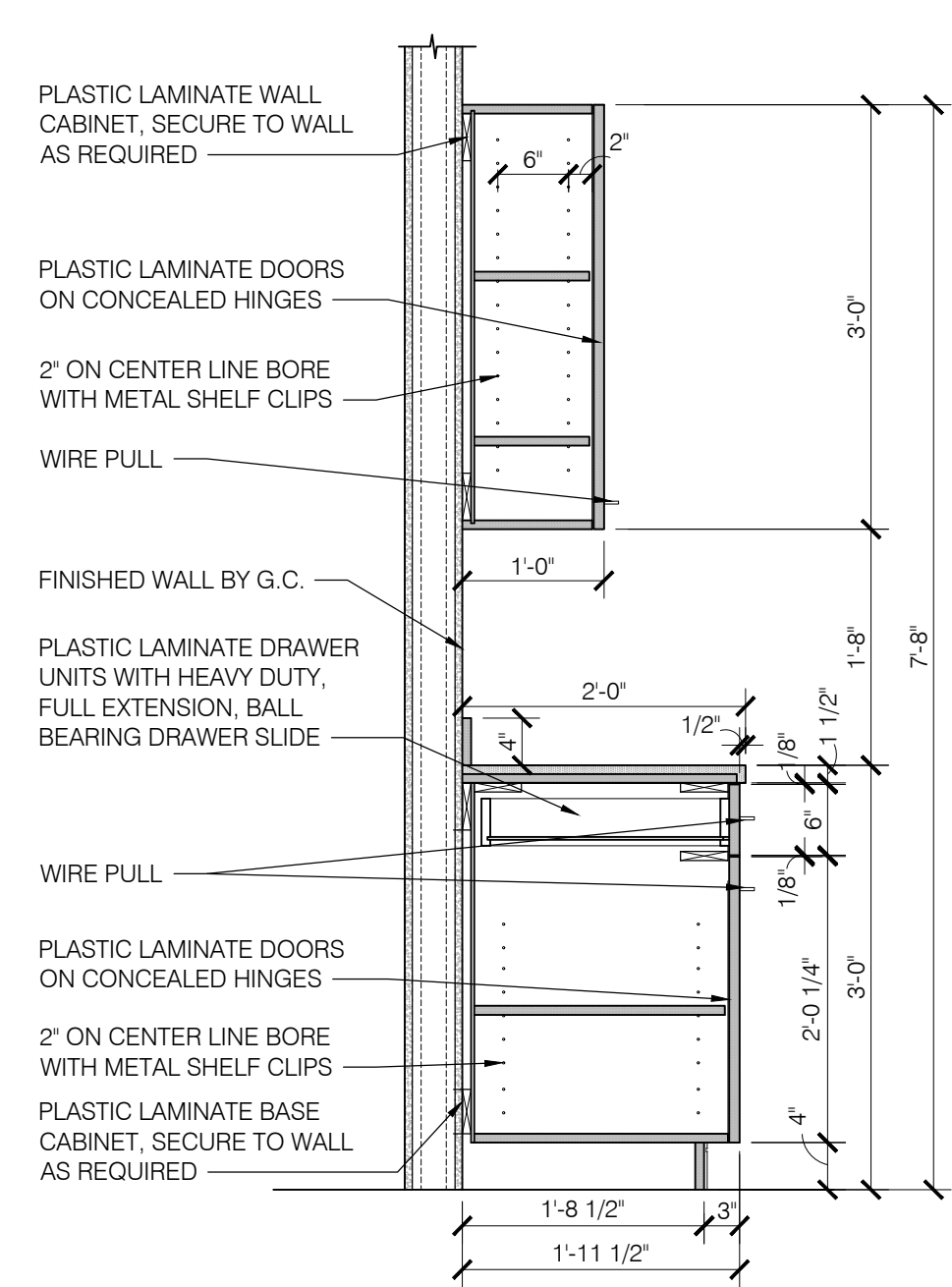
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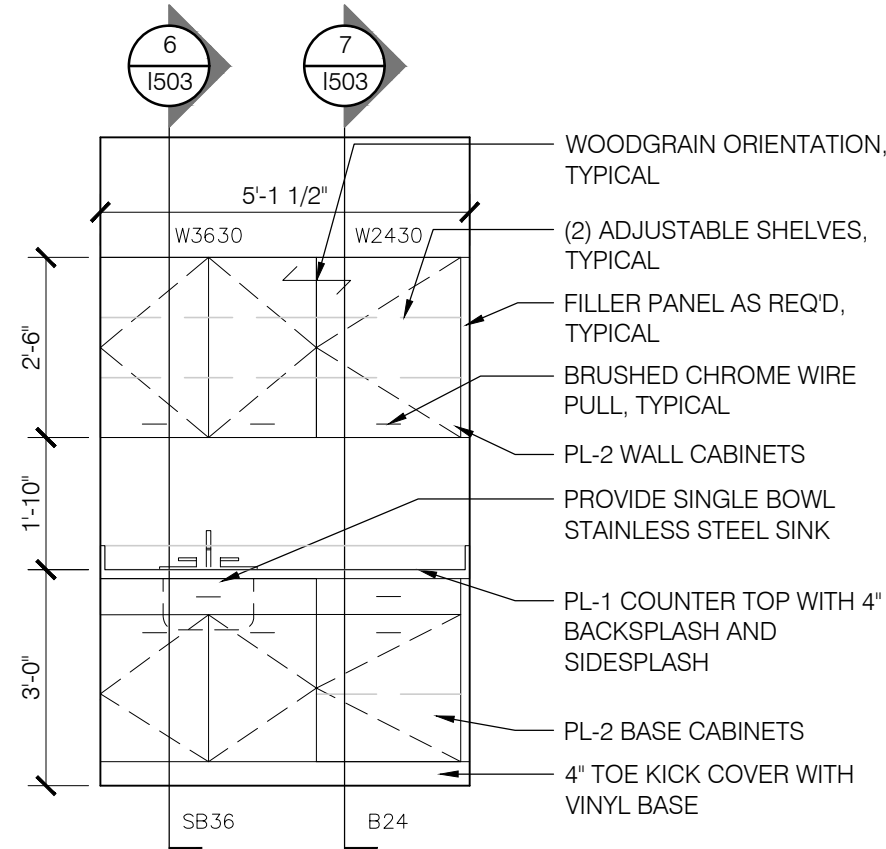
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CONFERENCE 237
SECTION
SCALE: 3/4" = 1'-0"



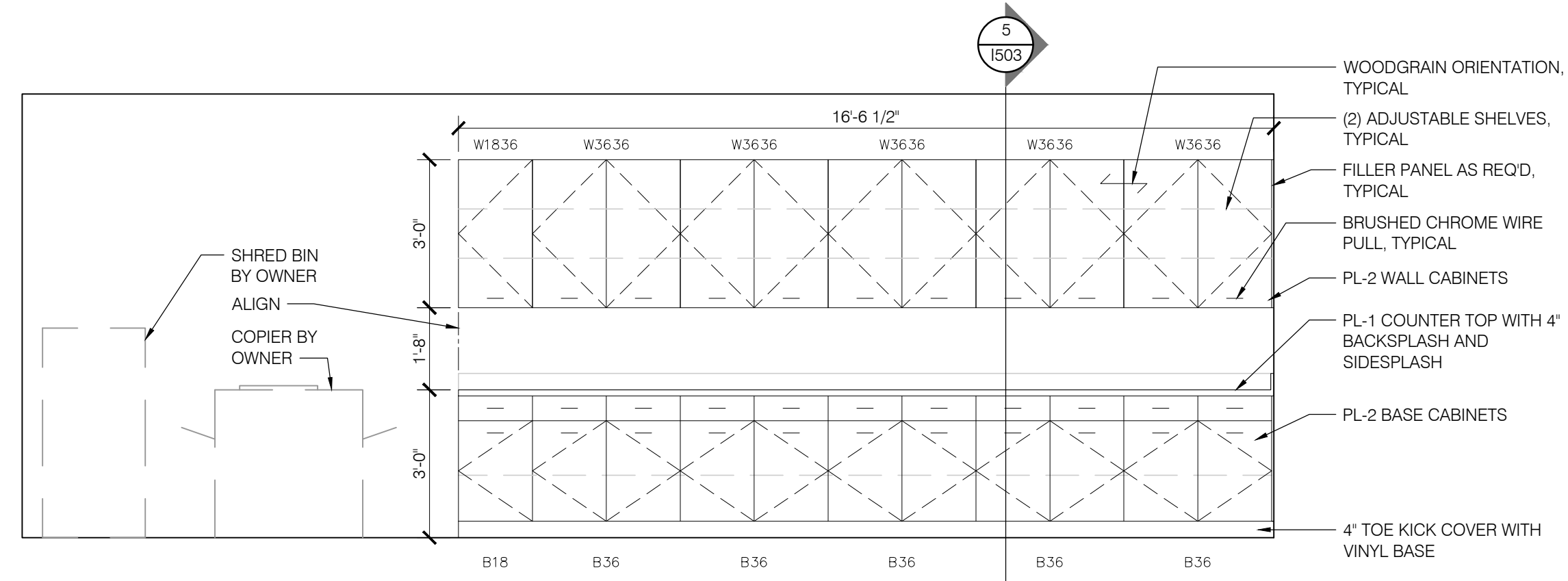
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CONFERENCE 237
SECTION
SCALE: 3/4" = 1'-0"



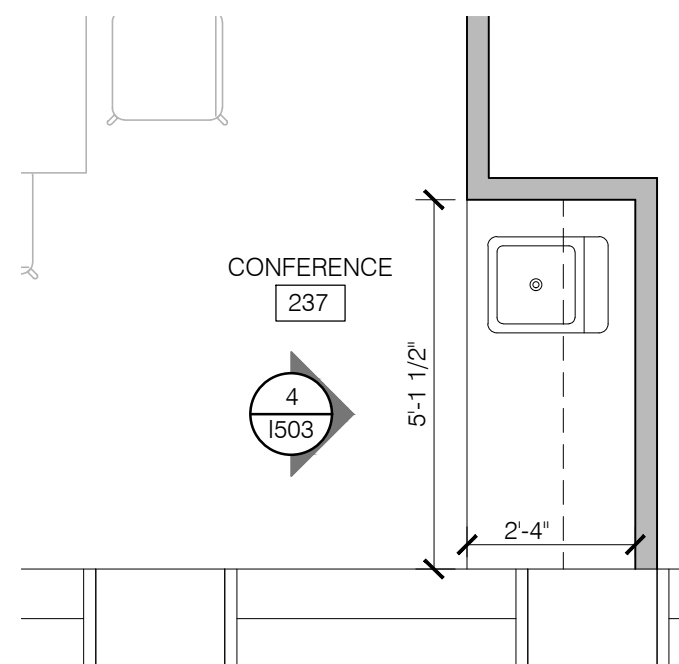
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WORKROOM 234
SECTION
SCALE: 3/4" = 1'-0"



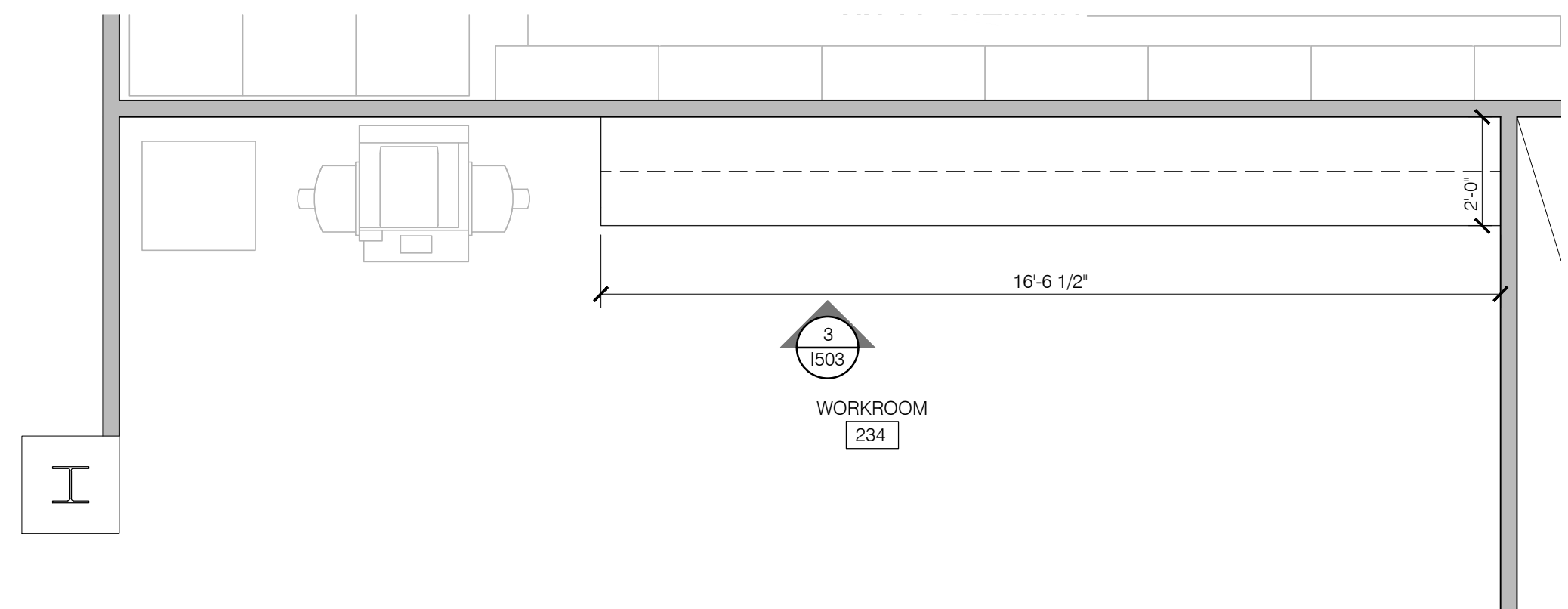
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CONFERENCE 237
ELEVATION
SCALE: 3/8" = 1'-0"



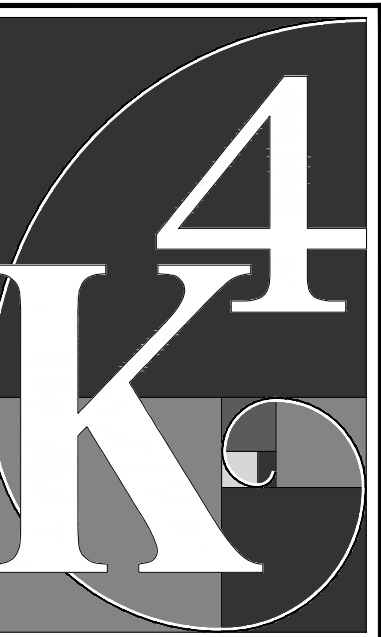
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WORKROOM 234
ELEVATION
SCALE: 3/8" = 1'-0"



2
1503
CONFERENCE 237
ENLARGED PLAN
SCALE: 3/8" = 1'-0"



1
1503
WORKROOM 234
ENLARGED PLAN
SCALE: 3/8" = 1'-0"



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COMPLETE RENOVATION/MECHANICAL UPGRADES:
Greene County
Public Library
XENIA COMMUNITY LIBRARY
76 EAST MARKET STREET
XENIA, OH 45385

REVISIONS / SUBMISSIONS		
NO.	DESCRIPTION	DATE
BID ISSUE		01/04/23

PRELIMINARY BID
NOT FOR
CONSTRUCTION

CASEWORK PLANS,
SECTIONS, & DETAILS

Drawn By: BBJ, TW
Scale: AS NOTED
Job No.: 21-2113

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