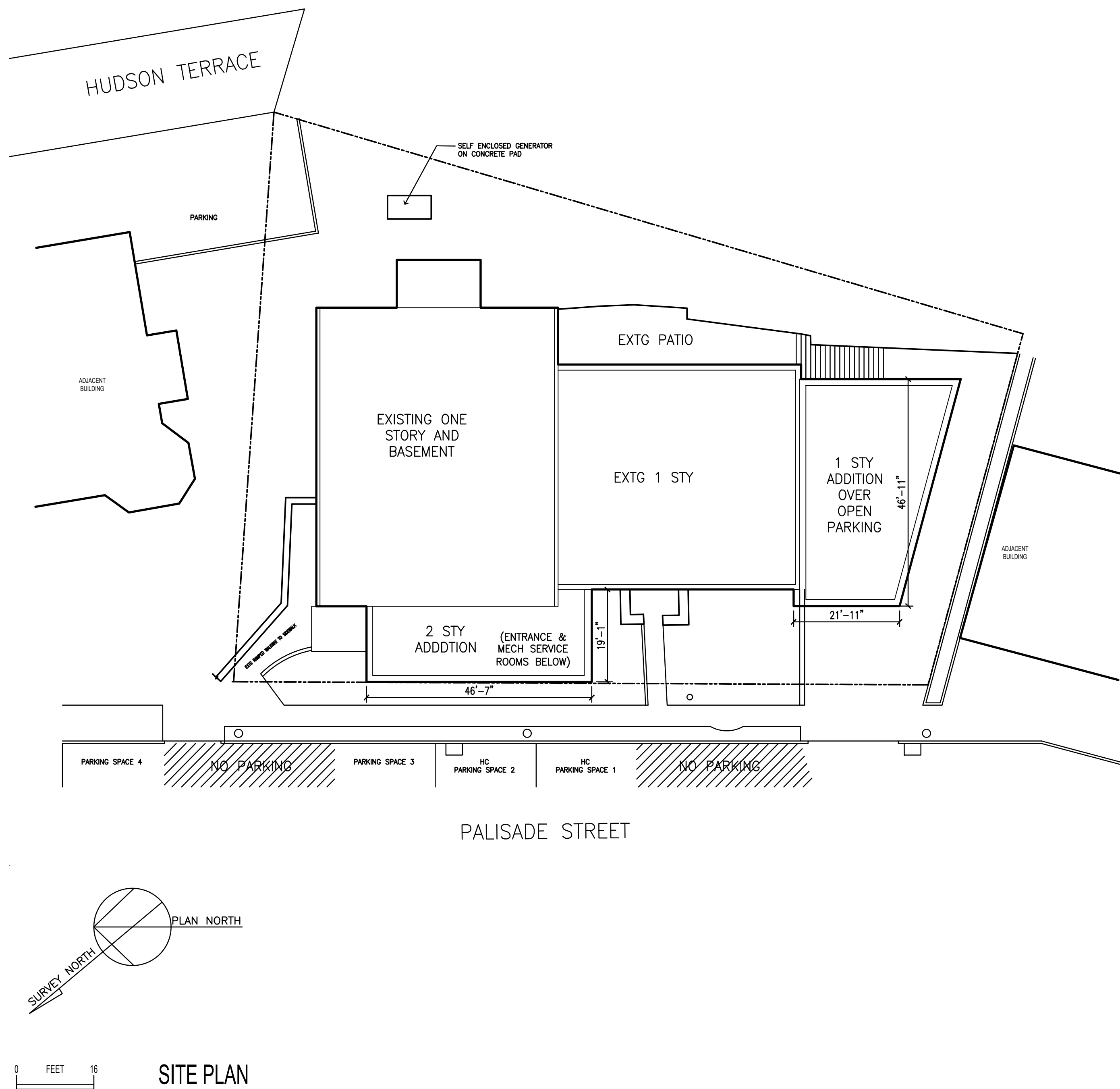


ADDITION AND RENOVATIONS TO  
EMBASSY COMMUNITY CENTER

60 PALISADE STREET  
DOBBS FERRY, NY 10522



LIST OF DRAWINGS			
		ISSUED DATE	LATEST DATE
T-001	SITE PLAN, LIST OF DRAWINGS	31-Jan-2018	
T-002	GENERAL NOTES	31-Jan-2018	
T-011	EXISTING SITE SURVEY	31-Jan-2018	
A-051	BASEMENT DEMOLITION PLAN	31-Jan-2018	
A-052	FIRST FLOOR DEMOLITION PLAN	31-Jan-2018	
A-101	BASEMENT PLAN	31-Jan-2018	
A-102	FIRST FLOOR PLAN	31-Jan-2018	
A-103	ROOF PLAN	31-Jan-2018	
A-201	BUILDING SECTIONS	31-Jan-2018	
A-301	WEST (FRONT) ELEVATION, NORTH ELEVATION	31-Jan-2018	
A-302	EAST (REAR) ELEVATION, SOUTH ELEVATION	31-Jan-2018	
A-401	WINDOW SCHEDULE	31-Jan-2018	
A-402	EXTERIOR DETAILS	31-Jan-2018	
A-403	EXTERIOR DETAILS	31-Jan-2018	
A-404	EXTERIOR DETAILS: MASONRY REPAIR		
A-501	PARTITION SCHEDULE AND FINISH SCHEDULE	31-Jan-2018	
A-502	DOOR SCHEDULE	31-Jan-2018	
A-601	STAIR DETAILS		
A-701	LOBBY	31-Jan-2018	
A-702	AUDITORIUM	31-Jan-2018	
A-703	KITCHEN	31-Jan-2018	
A-704	TOILETS	31-Jan-2018	
A-705	SENIOR LOUNGE	31-Jan-2018	
A-706	SOCIAL ROOM PLANS	31-Jan-2018	
A-707	SOCIAL ROOM ELEVATIONS	31-Jan-2018	
A-708	OFFICES	31-Jan-2018	
S-100	FOUNDATION PLAN	31-Jan-2018	
S-101	FIRST FLOOR FRAMING PLAN	31-Jan-2018	
S-102	ROOF FRAMING PLAN	31-Jan-2018	
S-200	GENERAL NOTES, LOAD TABLES AND TYPICAL DETAILS	31-Jan-2018	
S-201	FOUNDATION SECTIONS AND DETAILS	31-Jan-2018	
S-202	TYPICAL DETAILS	31-Jan-2018	
S-203	SECTIONS AND DETAILS	31-Jan-2018	
S-204	SECTIONS AND DETAILS	31-Jan-2018	
SP0.1	SPRINKLER SYMBOLS, ABBREVIATIONS, AND NOTES	31-Jan-2018	
SP1.1	SPRINKLER DEMOLITION PLANS	31-Jan-2018	
SP2.1	SPRINKLER NEW WORK PLANS	31-Jan-2018	
SP2.2	SPRINKLER ATTIC NEW WORK PLAN	31-Jan-2018	
SP7.1	SPRINKLER DETAILS 1 OF 2	31-Jan-2018	
SP7.1	SPRINKLER DETAILS 2 OF 2	31-Jan-2018	
P0.1	PLUMBING SYMBOLS, ABBREVIATIONS, AND NOTES	31-Jan-2018	
P1.1	PLUMBING DEMOLITION PLANS	31-Jan-2018	
P2.1	PLUMBING LOWER LEVEL NEW WORK PLAN	31-Jan-2018	
P2.2	PLUMBING MAIN AND MEZZANINE LEVELS NEW WORK PLANS	31-Jan-2018	
P2.3	PLUMBING ROOF NEW WORK PLAN	31-Jan-2018	
P5.1	PLUMBING RISER DIAGRAMS	31-Jan-2018	
P7.1	PLUMBING DETAILS 1 OF 2	31-Jan-2018	
P7.2	PLUMBING DETAILS 2 OF 2	31-Jan-2018	
M0.1	MECHANICAL SYMBOLS, ABBREVIATIONS, AND NOTES	31-Jan-2018	
M1.1	MECHANICAL DEMOLITION PLANS	31-Jan-2018	
M2.1	MECHANICAL LOWER LEVEL NEW WORK PLAN	31-Jan-2018	
M2.2	MECHANICAL MAIN LEVEL NEW WORK PLANS	31-Jan-2018	
M2.3	MECHANICAL UPPER GYM AND MEZZANINE NEW WORK PLANS	31-Jan-2018	
M2.4	MECHANICAL ROOF NEW WORK PLAN	31-Jan-2018	
M6.1	MECHANICAL SCHEDULES 1 OF 2	31-Jan-2018	
M6.2	MECHANICAL SCHEDULES 2 OF 2	31-Jan-2018	
M7.1	MECHANICAL DETAILS 1 OF 2	31-Jan-2018	
M7.2	MECHANICAL DETAILS 2 OF 2	31-Jan-2018	
E0.1	ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES	31-Jan-2018	
E1.1	ELECTRICAL LOWER LEVEL DEMOLITION PLAN	31-Jan-2018	
E1.2	ELECTRICAL MAIN FLOOR DEMOLITION PLAN	31-Jan-2018	
E1.3	ELECTRICAL ROOF DEMOLITION PLAN	31-Jan-2018	
E2.1	ELECTRICAL LOWER LEVEL PLAN - LIGHTING	31-Jan-2018	
E2.2	ELECTRICAL MAIN AND ROOF LEVEL PLANS - LIGHTING	31-Jan-2018	
E3.1	ELECTRICAL LOWER LEVEL PLAN - POWER	31-Jan-2018	
E3.2	ELECTRICAL MAIN LVL & MEZZ LVL FLR PLANS - POWER & DATA	31-Jan-2018	
E3.3	ELECTRICAL ROOF PLAN - POWER	31-Jan-2018	
E4.1	ELECTRICAL PLANS - FIRE ALARM	31-Jan-2018	
E5.1	ELECTRICAL ONE-LINE DIAGRAM	31-Jan-2018	
E5.2	ELECTRICAL FIRE ALARM RISER DIAG AND NOTES	31-Jan-2018	
E6.1	ELECTRICAL LIGHTING FIXTURE SCHEDULES	31-Jan-2018	
E6.2	ELECTRICAL PANEL SCHEDULES	31-Jan-2018	
E7.1	ELECTRICAL DETAILS	31-Jan-2018	
E7.2	ELECTRICAL DETAILS	31-Jan-2018	
	End of List		

JAMES J. HAHN ENGINEERING, P. C.  
CIVIL ENGINEERING  
845-279-2220

SYLVIA J. LEE ARCHITECT PLLC  
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914-295-0111

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914-919-3108

31 JAN 2018 | FOR BID

Date | Issue/Revision

ISSUED FOR BID  
NOT FOR CONSTRUCTION

ADDITION AND RENOVATIONS TO  
EMBASSY COMMUNITY CENTER  
60 PALISADE STREET  
DOBBS FERRY, NY 10522

SITE PLAN  
LIST OF DRAWINGS

Scale: As noted Drawing No.: T-001

Date: SEE ABOVE

Drawn by:

SJL Proj: EC



## SUMMARY OF WORK

THE WORK SHALL BE AS SHOWN AND CALLED FOR IN THE CONTRACT DOCUMENTS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING GENERAL ITEMS OF WORK:

NEW ADDITIONS AND VARIOUS ALTERATIONS INCLUDING: REPLACEMENT OF ROOFS, REPLACEMENT OF WINDOWS, EXTERIOR MASONRY REPAIRS, CAULKING/SEALANTS, INTERIOR PARTITIONS, FINISH WORK AND PAINTING, MECHANICAL PLUMBING, ELECTRICAL, SITE WORK, ETC. ASBESTOS ABATEMENT DETAILS ARE NOT WITHIN THESE ARCHITECTURAL OR ENGINEERING DRAWINGS HOWEVER CONTRACTOR SHALL INCLUDE AS A PART OF THE WORK AND AND COORDINATE ALL TRADES WITH THAT SCOPE.

## GENERAL NOTES

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWINGS.

- WHERE DIMENSIONS ARE INDICATED, DIMENSIONS GOVERN OVER SCALE. ALL DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.
- ALL WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN", OR "EXISTING"
- COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
- THE CONTRACTOR SHALL DISCONNECT AND/OR REMOVE ANY EXISTING PLUMBING, ELECTRICAL FIXTURES, WIRE CONDUITS, OR OTHER WORK WHICH MIGHT INTERFERE WITH THE WORK OF THIS CONTRACT. AFTER NEW WORK IS COMPLETED, THE DISCONNECTED OR REMOVED ITEMS SHALL BE REINSTALLED BY THE CONTRACTOR AT THE SAME LOCATION OR AT NEW LOCATION AS DIRECTED. FURNISH ALL NECESSARY NEW MATERIALS/HARDWARE FOR COMPLETION OF WORK.
- THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED OR EXPOSED SURFACES DUE TO CONTRACT WORK. ALL NEWLY INSTALLED, PATCHED WORK AND ALL AFFECTED AREAS SHALL BE PAINTED. ALL PAINTING WORK SHALL BE PERFORMED TO COVER THE ENTIRE HORIZONTAL OR VERTICAL SURFACE TO THE CLOSEST CORNER IN ALL FOUR DIRECTIONS. COLOR TO MATCH EXISTING CONDITIONS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MATERIALS AT NO ADDITIONAL COST TO THE OWNER FOR THE FOLLOWING CONDITIONS:
  - ANY EXISTING WORK THAT HAS BEEN REMOVED OR DAMAGED IN ORDER TO PERFORM THE CONTRACT WORK.
  - TO FURNISH THE WORK OF THIS CONTRACT IN WORKMANLIKE MANNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
- THE CONTRACTOR SHALL INCLUDE ALL PREPARATORY AND ASSOCIATED SUPPLEMENTARY WORK TO PROVIDE A COMPLETE AND FINISHED INSTALLATION.
- WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
- FIRESTOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE RATED CONSTRUCTION AS PER SPECIFICATIONS.
- SIZE OF MASONRY UNITS AND WOOD MEMBERS ON PLANS, BUILDING ELEVATIONS AND SECTIONS ARE SHOWN AS NOMINAL SIZE.
- DIMENSIONS ON PLANS ARE INDICATED FROM SURFACE TO SURFACE BETWEEN WALLS, PARTITIONS AND OTHER ITEMS EXCLUSIVE OF FINISHES.
- PROVIDE GUARDS, RAILS, BARRICADES, FENCES, SIDEWALK SHEDS, CATCH PLATFORMS, DECKING, NIGHT LIGHTING, ETC., AS REQUIRED BY THE NEW YORK STATE BUILDING CODE AND AS REQUIRED TO PROVIDE ADEQUATE PROTECTION.
- THE CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
- THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED ACCESS FROM ALL ADJACENT SPACES TO THE EXISTING MEANS OF EGRESS TO OUTSIDE OF THE BUILDING AT ALL TIMES.
- WHERE INDICATED OR REQUIRED TO PERFORM THE WORK, COORDINATE WITH THE OWNER TO RELOCATE MATERIALS, FURNITURE, CABINETS, ETC. FROM WITHIN THE BUILDING AND RETURN ITEMS UPON COMPLETION OF WORK.
- THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR REQUIRED INSPECTIONS, PERMIT(S), FEES, LICENSE AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
- [NOT USED]
- ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF THE EXISTING SHED AND INSTALLATION OF NEW SHED IMMEDIATELY UPON REMOVAL OF THE EXISTING SHED. THE EXISTING SHED MUST BE MAINTAINED FROM THE DATE OF N.T.P. AND NEW SHED MUST BE ERECTED WITHIN SEVEN CALENDAR DAYS OF N.T.P. OR MAKE AN ALTERNATE ARRANGEMENT WITH OWNER OF THE EXISTING SHED TO PAY RENT.
- [NOT USED]
- PROVIDE PROJECT INFORMATION SIGNAGE MEETING REQUIREMENTS OF VILLAGE.

## SITE SAFETY AND PROTECTION NOTES

- CONTRACTOR SHALL PROVIDE FOR SITE SAFETY AND PROTECTION.
- THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, NOTES, SIDEWALK BRIDGES, FENCES, EGRESS, SCAFFOLDING, FIRE PROTECTION ETC. THEY SHOULD ADDRESS ANY POTENTIAL INTERACTION BETWEEN THE BUILDING OCCUPANTS AND GENERAL PUBLIC AND EXPOSURE TO THE CONSTRUCTION PROCESS. THESE ARCHITECTURAL AND/OR ENGINEERING DRAWINGS DO NOT INCLUDE DETAILS FOR THE SAME.

## ROOFING NOTES

- ROOFING SYSTEM SHALL COMPLY WITH UL CLASS 'A' EXTERNAL FIRE RESISTANCE RATING.
- INSULATION FOR THIS PROJECT SHALL HAVE A MINIMUM R-VALUE OF R=30 WHEN TESTED IN ACCORDANCE WITH LTRR METHOD.
- ROOFING WORK SPECIFIED IN THIS CONTRACT SHALL BE COORDINATED WITH ANY ASBESTOS ABATEMENT.
- ROOFING WORK SPECIFIED IN THIS CONTRACT SHALL BE COORDINATED WITH ALL MASONRY WORK, AND ALL OTHER TRADES.
- INTERIOR FINISH WORK OF THE CONTRACT SHALL NOT BE STARTED UNTIL ALL ROOF WORK IS COMPLETED AND ROOFS ARE FLOOD TESTED.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ROOFING AT ALL TIMES DURING THE WORK OF THIS CONTRACT. THE CONTRACTOR SHALL PROTECT CUT PORTIONS OF THE ROOF. REMOVE TEMPORARY PROTECTION AS REQUIRED.
- DURING ROOF REPLACEMENT COVER ALL ROOF EXHAUST, ETC. AND KEEP DOOR AND WINDOWS OF BULKHEADS CLOSED TO PREVENT FUMES ENTERING THE BUILDING.
- AFTER REMOVAL OF THE EXISTING ROOFING, THE DECK SHALL BE INSPECTED NY THE ENGINEER.

## PARAPET MASONRY NOTES

- ALL CELLS IN THE HOLLOW MASONRY WALLS AND ALL JOINTS IN SOLID, CAVITY OR MASONRY BONDED HOLLOW WALL CONSTRUCTION SHALL BE FILLED SOLID WITH MORTAR. ALL CORNERS OF MASONRY PARAPET WALLS SHALL BE REINFORCED WITH JOINT REINFORCEMENT OR ITS EQUIVALENT AT VERTICAL INTERVALS NOT GREATER THAN 12 INCHES. SUCH REINFORCEMENT SHALL EXTEND AROUND THE CORNER FOR AT LEAST 4 FEET IN BOTH DIRECTIONS AND SPLICE SHALL BE LAPPED AT LEAST 6".
- FACE BRICKS SHALL COMPLY WITH REQUIREMENTS OF ASTM C216. MORTAR SHALL COMPLY WITH ASTM C270 AND BIA M1-88. THE USE OF MASONRY CEMENT IS PROHIBITED.
- AFTER REMOVAL OF MASONRY, REPAIR BACK-UP BY REMOVING LOOSE MATERIAL AND FILLING IN ALL OPEN JOINTS AND VOIDS. WHEN REBUILDING, COLLAR JOINTS, HEAD AND BED JOINTS ARE TO BE FILLED COMPLETELY.
- PROTECT OPEN PARAPETS AND OTHER AREAS OF MASONRY REMOVAL FROM WATER PENETRATION.
- DO NOT REMOVE PARAPETS OR OTHER MASONRY UNTIL NEW BRICKS ARE ON SITE.
- SUBMIT SHOP DRAWINGS FOR APPROVAL AT EACH AREA OF POINTING OF BRICK AND STONE JOINTS, AND BRICK REPAIR WORK FOR LOCATIONS AND EXTENT OF WORK PRIOR TO START OF WORK.

## INSPECTION OF STEEL AND REMEDIAL REPAIR NOTES

- STEEL MEMBERS EXPOSED BY REMOVAL INCLUDING WINDOW LINTELS ARE SUBJECT TO INSPECTION BY THE ENGINEER OF RECORD UPON REMOVAL OF THE DAMAGED MASONRY TO ASCERTAIN THEIR CONDITION.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD 72 HOURS PRIOR TO THE STEEL BEING EXPOSED SO THAT IT CAN BE INSPECTED.
- THE ENGINEER OF RECORD WILL INSPECT THE EXPOSED STEEL MEMBERS AND CONNECTIONS TO ASCERTAIN AND REPORT IN WRITING, ANY DAMAGE OF STEEL DUE TO CORROSION. INSPECTION WILL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
  - INSPECT FLANGES AND WEBS OF STEEL MEMBERS.
  - INSPECT ALL EXPOSED BEAM TO BEAM, BEAM TO COLUMN CONNECTIONS FOR LOOSE BOLTS, LOOSE RIVETS AND EXCESSIVE CORROSION.
  - INSPECT CLIP ANGLE, CONNECTING LINTELS TO BEAMS FOR LOOSE BOLTS, LOOSE RIVETS, AND EXCESSIVE CORROSION.
  - DENOTE LOCATION AND EXTENT OF AREAS OF STEEL WHERE SIGNIFICANT CORROSION DAMAGE HAS OCCURRED.
- THE CONTRACTOR SHALL PROVIDE ALL SCAFFOLD EQUIPMENT, SAFETY GEARS AND LABOR ASSISTANCE REQUIRED BY THE ENGINEER TO MAKE THE INSPECTIONS.
- EXPOSED STEEL AREAS FOUND TO BE UNSATISFACTORY WILL BE EVALUATED BY THE ENGINEER OF RECORD TO DETERMINE IF CORRECTIVE WORK IS NECESSARY (SEE PROVISIONS FOR STEEL WORK).
- ALL EXPOSED STEEL AREA MUST BE PROTECTED BY THE CONTRACTOR AND MUST REMAIN OPEN UNTIL THE STEEL HAS BEEN INSPECTED AND FOUND SATISFACTORY OR UNTIL CORRECTIVE WORK HAS BEEN COMPLETED.
- ALL EXPOSED SURFACES OF STEEL SHALL BE CLEANED TO AN SSPC-SP3 (POWER TOOL CLEANING) SURFACE PREPARATION PRIOR TO REPAIR AND PAINTING. ALL AREAS OF WELD SHALL BE CLEANED TO SHINY METAL.
- NEW STEEL AND EXISTING STEEL SHALL BE PAINTED WITH A HIGH PERFORMANCE CATALYZED EPOXY COATING SUCH AS TNEDEC SERIES 135 CHEMBUILD OR SERIES 394 PERIMEPRIME TO A THICKNESS OF 7.0 TO 9.0 MILLS. APPLY PAINT TO DRY SURFACES ONLY WHEN THE SURFACE TEMPERATURE IS ABOVE DEW POINT BY BRUSH OR ROLLER THOROUGHLY AND EVENLY IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. STEEL EXPOSED TO VIEW AND THE ELEMENTS SHALL BE PAINTED WITH A SECOND COAT OF EPOXY AND A FINAL COAT OF ALIPHATIC URETHANE. SEE SECTION 09900.

## CODE COMPLIANCE NOTES

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT:

- WORK SHALL BE EXECUTED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF ALL LAWS, BY-LAWS, STATUTES, ORDINANCES, CODES, RULES, REGULATIONS AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON THE PERFORMANCE AND EXECUTION OF THE WORK.

THIS APPLICATION IS FILED UNDER AND SHALL COMPLY WITH THE NYS BUILDING CODE.

- CONSTRUCTION SHALL BE SCHEDULED TO ALLOW REQUIRED PROGRESS INSPECTIONS TO TAKE PLACE, AND THAT ROOFS, CEILINGS, EXTERIOR WALLS, INTERIOR WALLS, FLOORS, FOUNDATIONS, BASEMENTS AND ANY OTHER CONSTRUCTION SHALL NOT BE COVERED OR ENCLOSED UNTIL REQUIRED PROGRESS INSPECTIONS ARE COMPLETED OR THE PROGRESS INSPECTOR INDICATES THAT SUCH COVERING OR ENCLOSURE MAY PROCEED AT EACH STAGE OF CONSTRUCTION, AS APPLICABLE. WHERE AN INSPECTION OR TEST FAILS, THE CONSTRUCTION SHALL BE CORRECTED.
- FIRESTOPPING SHALL BE INSPECTED IN ACCORDANCE WITH ASTM E2174 BY THE SPECIAL INSPECTOR.
- PARAPETS
  - HEIGHT OF PARAPETS/GUARDS IS TO BE 3'-6" (MIN.) FROM HIGH POINT OF ROOF IN ACCORDANCE WITH THE BUILDING CODE.
  - GUARDS SHALL BE DESIGNED TO RESIST THE LOADS REQUIRED BY THE BUILDING CODE.

## ABBREVIATIONS

<b>A</b>	—ABOVE	<b>E</b>	EXP. —EXPANSION	<b>P</b>	PAV. —PAVEMENT
AB.	—ACCESS DOOR	EXST.	—EXISTING	P&D	—PLUMBING AND DRAINAGE
A.D.	—ADJACENT	EXTG.	—EXISTING	PL	—PLASTER
ADJ.	—ADJACENT	EXT.	—EXTERIOR	P.L.	—PROPERTY LINE
ALUM.	—ALUMINUM	E.C.	—ELECTRICAL CONDUIT	P.P.	—PITCH POCKET
AOR	—ARCHITECT OF RECORD			PH	—PENTHOUSE
AEOR	—ARCHITECT/ENGINEER OF RECORD	<b>F</b>	F.B.R.—FACE BRICK REPLACEMENT	<b>R</b>	
APP'D.	—APPROVED	FIN.	—FINISH	R.	—RADIUS
APPROX.	—APPROXIMATELY	FL.	—FLOOR	RAIL'G.	—RAILING
ARCH.	—ARCHITECT	FLASH'G.	—FLASHING	RAD.	—RADIATOR
ASPH.	—ASPHALT	F.A.I.	—FRESH AIR INTAKE	R.D.	—ROOF DRAIN
AUD.	—AUDITORIUM	F.P.	—FIREPROOFING	REINF.	—REINFORCING
AUX.	—AUXILIARY	FR.	—FRAME	RET.	—RETAINING
&	—AND	<b>G</b>		RM.	—ROOM
∠	—ANGLE	GA.	—GAUGE	<b>S</b>	
⊖	—AT	GALV.	—GALVANIZED	S.A.E.	—SAME AS EXISTING
<b>B</b>				S.S.	—STAINLESS STEEL
BR	—BRICKS	G.C.	—GENERAL CONTRACTOR	SPEC.	—SPECIFICATION
BRK	—BRICKS (FULL LENGTH)	G.I.	—GALVANIZED IRON	S.F.	—SQUARE FEET
B.R.	—BEHIND RADIATORS	GL.	—GLASS	STD.	—STANDARD
B.C.	—BRICK COURSE (HEIGHT)	GRNT.	—GRANITE	STL.	—STEEL
B.L.	—BUILDING LINE	<b>H</b>		ST.PL.	—STEEL PLATE
BLD'G.	—BUILDING	H.C.	—HORIZONTAL CRACK	S.L.	—SECURITY LIGHT
BLK.	—BLOCK	HDCP	—HANDICAPPED	STRUCT.	—STRUCTURAL
BM.	—BEAM	HGT.	—HEIGHT	STD.DET.	—STANDARD DETAIL
B.S.	—BLUE STONE (OR) BRONZE SADDLE	H.M.	—HOLLOW METAL	S.Y.	—SQUARE YARD
B.S.&A.	—BOARD OF STANDARDS AND APPEALS	HORIZ.	—HORIZONTAL	SFT	—STRUCTURAL FACING TILE
B.S.P.	—BRICK STITCHING PATTERNS	H.P.	—HIGH POINT		
B.U.R.	—BUILT-UP ROOFING	H&V	—HEATING & VENTILATION	<b>I</b>	
<b>C</b>		<b>J</b>		TH.	—THICKNESS
C.	—CASEMENT	I.N.T.	—INTERIOR	T.O.S.	—TOP OF SLAB
CAB'T.	—CABINET	INSTR.	—INSTRUCTOR	T.W.	—TOP OF WALL
CL	—CENTER LINE	INSUL.	—INSULATION	TYP.	—TYPICAL
C.I.	—CAST IRON			T.C.	—TERRA COTTA
C.J.	—CONTROL JOINT	<b>L</b>		<b>U</b>	
CL'G.	—CEILING	L.P.	—LOW POINT	U.V.	—UNIT VENTILATOR
COL.	—COLUMN	L.S.	—LIMESTONE	U.O.N.	—UNLESS OTHERWISE NOTED
CONT.	—CONTINUOUS	LT.	—LIGHT	<b>V</b>	
CONC.	—CONCRETE	L.F.	—LINEAR FOOT	VENT.	—VENTILATOR
C.R.	—CLASSROOM	L	—NEW LEADER	VERT.	—VERTICAL
CU.FT.	—CUBIC FEET	<b>M</b>		V.I.F.	—VERIFY IN FIELD
CU.YD.	—CUBIC YARD	MAT.	—MATERIAL	V.	—VENT
<b>D</b>		MAX.	—MAXIMUM	V.C.	—VERTICAL CRACK
DEPT.	—DEPARTMENT	MECH.	—MECHANICAL	<b>W</b>	
DET.	—DETAIL	M.H.	—MANHOLE	W/	—WITH
D.H.	—DOUBLE HUNG	MIN.	—MINIMUM	WO.	—WOOD
DIA.	—DIAMETER	M.I.S.	—METAL INSECT SCREEN	W.F.	—WIRE FENCE (OR) WIDE FLANGE
DIM.	—DIMENSION	M.O.	—MASONRY OPENING	W.H.	—WEEPHOLE
DN.	—DOWN	M.S.	—MINERAL SURFACED	W.I.	—WROUGHT IRON
DO.	—DITTO	<b>N</b>		W.M.	—WIRE MESH
DR.	—DOOR	N.D.	—NOMINAL DIAMETER	W.M.G.	—WIRE MESH GUARD
DWG.	—DRAWING	N.I.C.	—NOT IN CONTRACT	W.P.	—WATERPROOFING
D.C.	—DIAGONAL CRACK	NO.	—NUMBER	WT.	—WEIGHT
<b>E</b>		NOM.	—NOMINAL	W.W.F.	—WELDED WIRE FABRIC
E.	—EXTERIOR WIRE MESH GUARD	N.T.P.	—NOTICE TO PROCEED		
E.J.	—EXPANSION JOINT	N.T.S.	—NOT TO SCALE		
EL	—ELEVATION	<b>O</b>			
EMG.	—EXPANDED METAL GUARD	O.A.I.	—OUTSIDE AIR INTAKE		
E.L.	—EXISTING LEADER TO REMAIN	O.C.	—ON CENTER		
ENT.	—ENTRANCE	O.D.	—OUTSIDE DIAMETER		
EOR	—ENGINEER OF RECORD	O.G.	—OBSCURE GLAZING		
EQ.	—EQUAL				
EQUIP.	—EQUIPMENT				
E.W.	—EACH WAY				

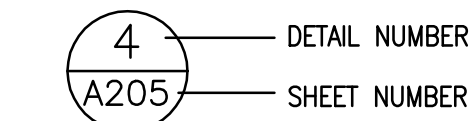
## LEGEND

	PARAPET/MASONRY REMOVAL		CONCRETE COPING REPLACEMENT
	PARAPET/MASONRY REPLACEMENT		LIMESTONE COPING REPLACEMENT
	FACE BRICK REPLACEMENT		TERRA COTTA COPING REPLACEMENT
	BRICK POINTING		COPING STONE REMOVAL AND RESETTNG
	TERRA COTTA/LIMESTONE POINTING		COPPER CORNICE
	MASONRY PINNING		SLATE SHINGLES
	BRICK POINTING AND PINNING		CONC. SCREED CONC. FILL
	MASONRY CLEANING		ROOFING STRIP REPLACEMENT
	PAINT REMOVAL		WOOD BLOCKING
	ANTI-GRAFFITI COATING		WOOD
	MASONRY CLEANING AND ANTI-GRAFFITI COATING		RIGID INSULATION
	WEATHERPROOFING		BATT INSULATION
	REPLACEMENT OF LINTEL AND SOLDER BRICKS		STUCCO/PLASTER
	STEEL		

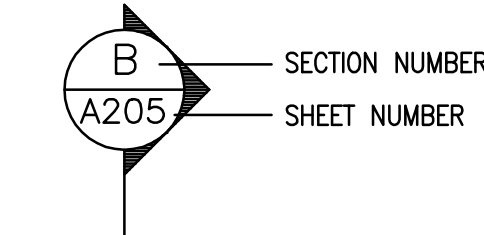
## SYMBOLS

	RD	=	ROOF DRAIN		SB	=	SPLASH BLOCK
	V	=	VENT STACK		HP	=	HIGH POINT OF ROOF
		=	PITCH POCKET		SC	=	SCUPPER
	EJ	=	EXPANSION JOINT			=	EXHAUST TO REMAIN
	CJ	=	CONTROL JOINT			=	PROVIDE CRICKET

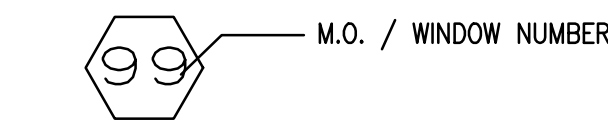
### DETAIL DESIGNATION



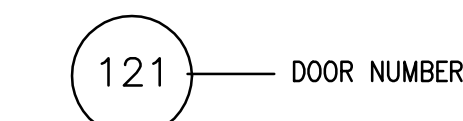
### SECTION DESIGNATION



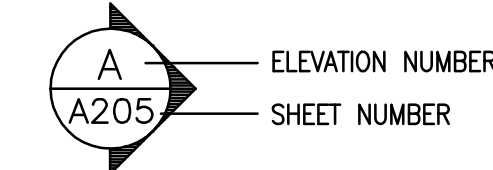
### WINDOW DESIGNATION



### DOOR DESIGNATION



### ELEVATION DESIGNATION



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60 PALISADE STREET  
DOBBS FERRY, NY 10522

NOTES  
ABBREVIATIONS  
LEGEND

Scale: As noted Drawing No.:

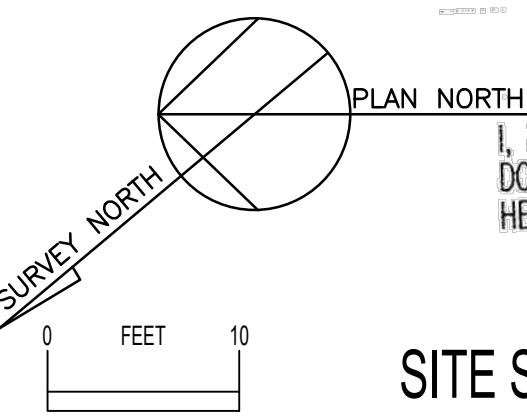
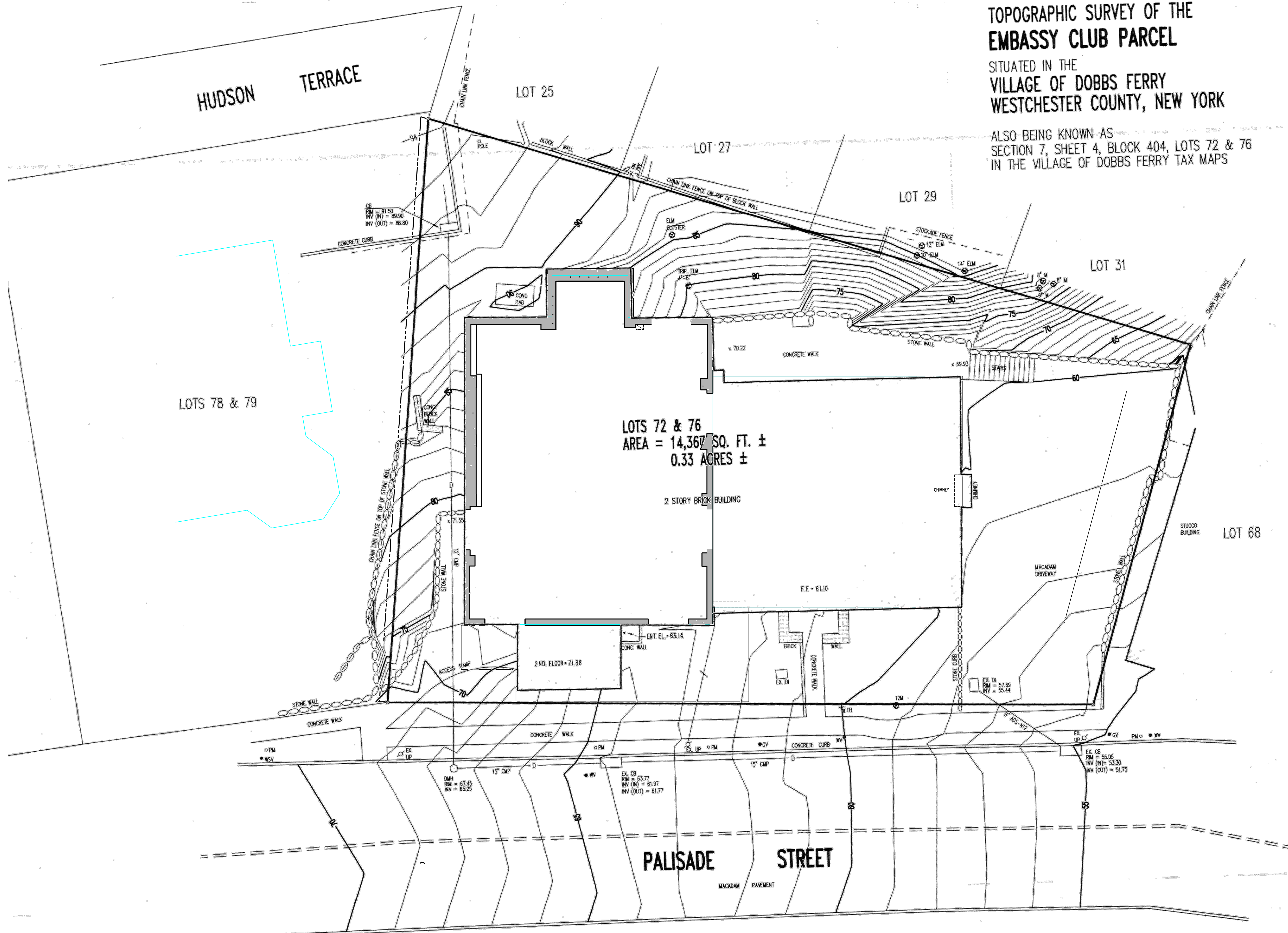
Date: SEE ABOVE

Drawn by:

SJL Proj: EC

T-002





I, PAUL J. PETRETTI, P.E., L.S., THE SURVEYOR WHO MADE THIS MAP  
DO HEREBY CERTIFY THAT THE SURVEY OF THE PROPERTY SHOWN  
HEREON IS BASED ON A FIELD SURVEY COMPLETED ON

SITE SURVEY

# TOPOGRAPHIC SURVEY OF THE EMBASSY CLUB PARCEL

SITUATED IN THE  
VILLAGE OF DOBBS FERRY  
WESTCHESTER COUNTY, NEW YORK

ALSO BEING KNOWN AS  
SECTION 7, SHEET 4, BLOCK 404, LOTS 72 & 76  
IN THE VILLAGE OF DOBBS FERRY TAX MAPS

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SITE SURVEY

THIS DRAWING IS INCLUDED FOR REFERENCE ONLY

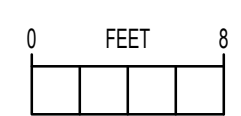
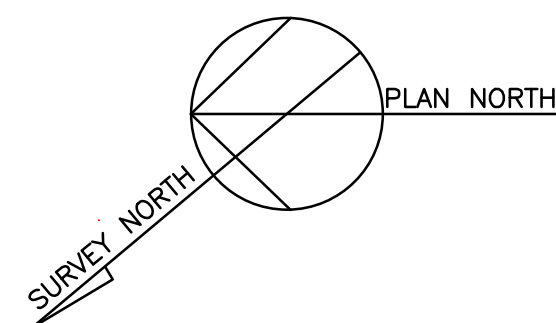
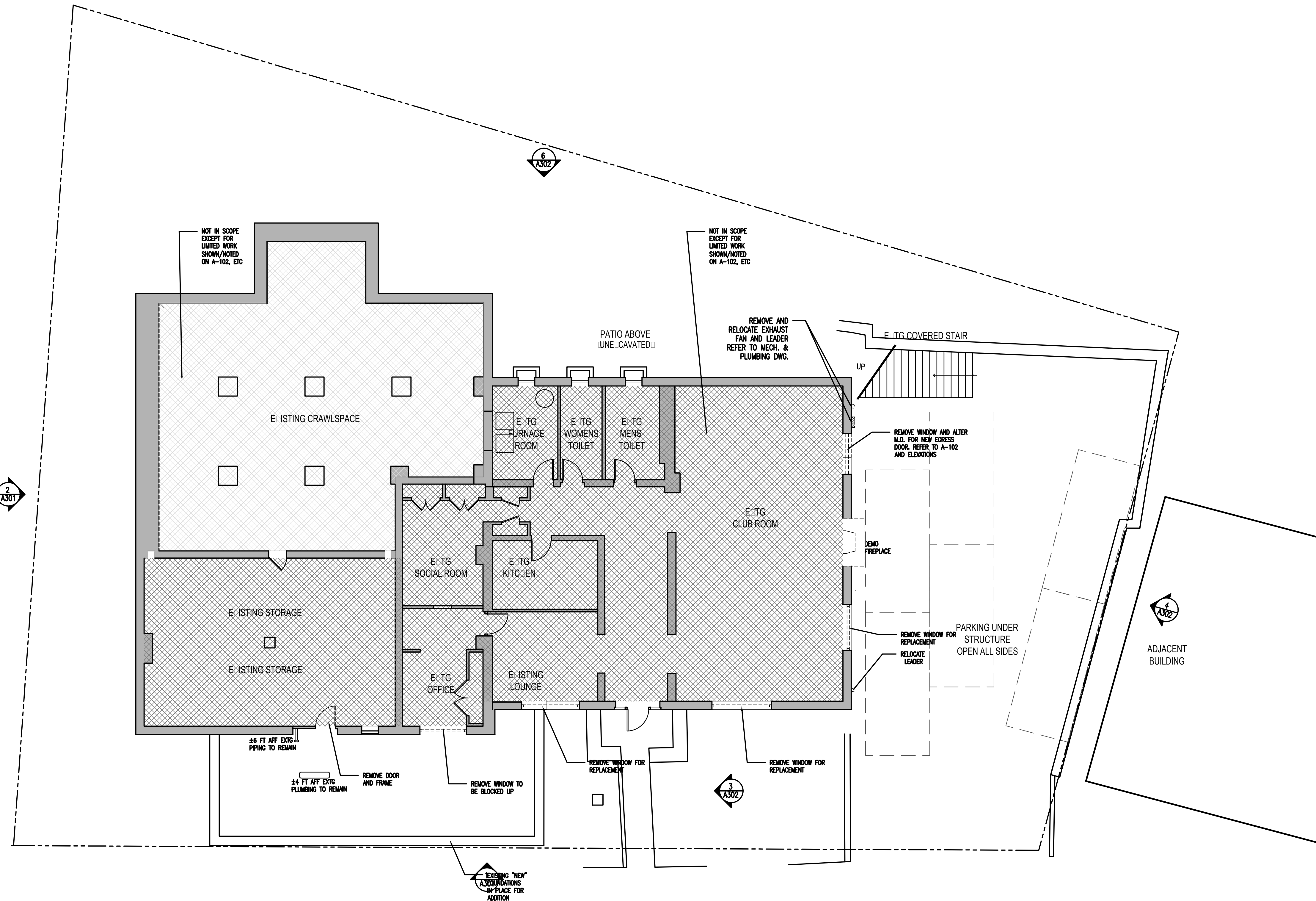
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Date: SEE ABOVE

Drawn by: T-010

SJL Proj: EC





BASEMENT PLAN

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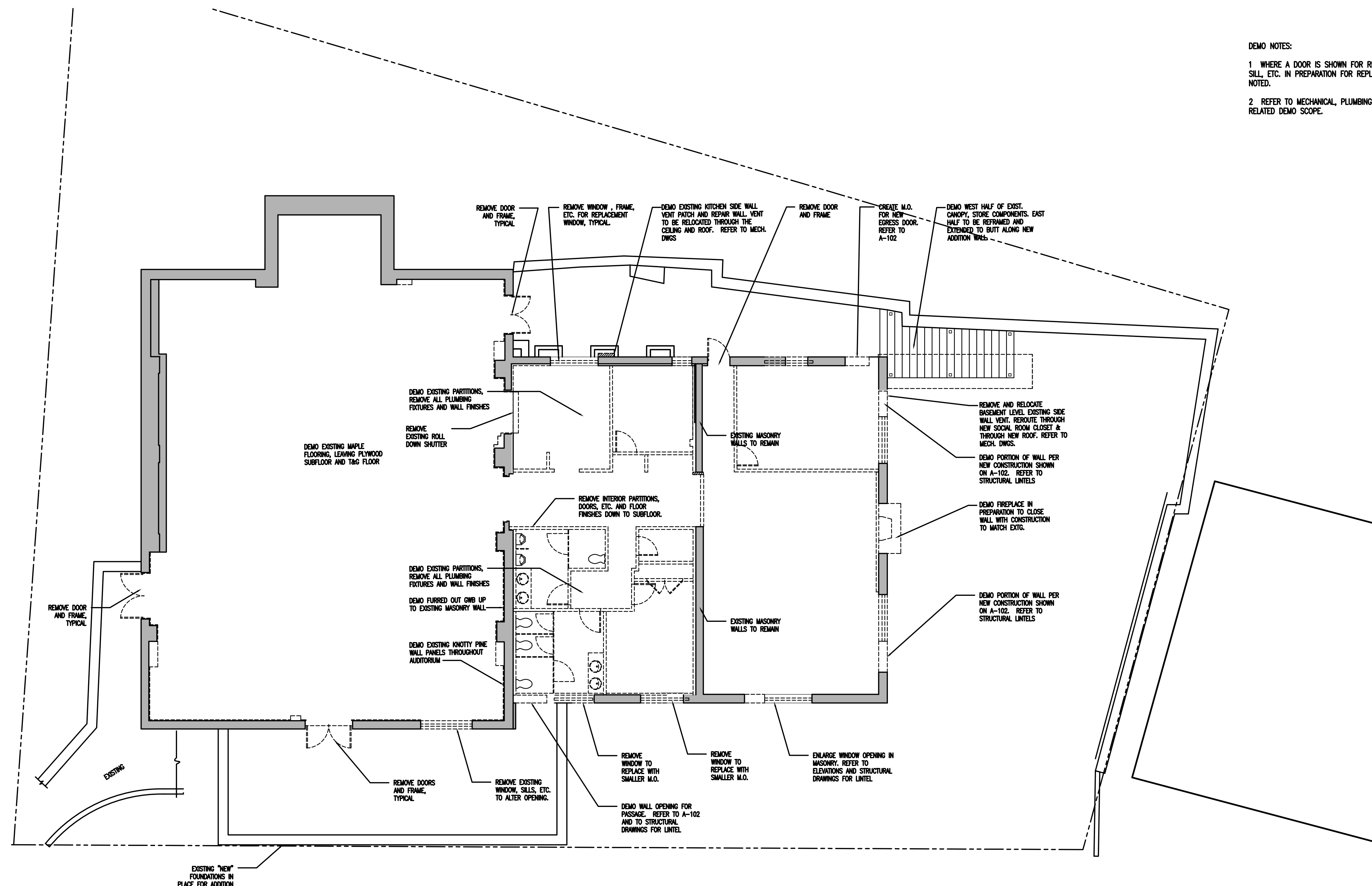
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BASEMENT PLAN  
DEMO PLAN

Scale:	As noted	Drawing No.:
Date:	SEE ABOVE	
Drawn by:		<b>A-051</b>
SJL Proj:	EC	

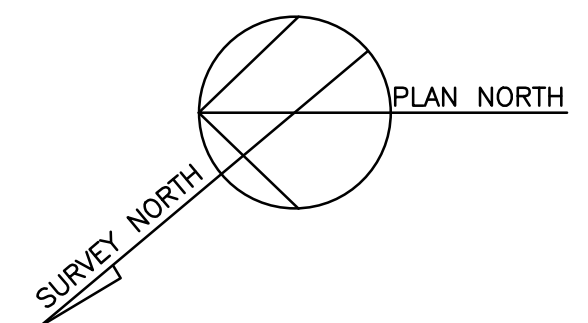




DEMO NOTES:

1 WHERE A DOOR IS SHOWN FOR REMOVAL, REMOVE DOOR FRAME, SILL, ETC. IN PREPARATION FOR REPLACEMENT., UNLESS OTHERWISE NOTED.

2 REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR RELATED DEMO SCOPE.



0 FEET 8

FIRST FLOOR PLAN

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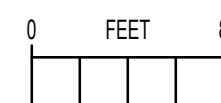
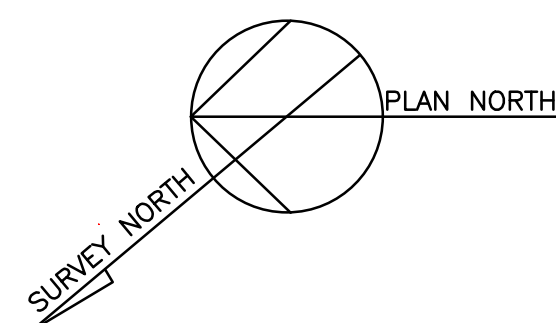
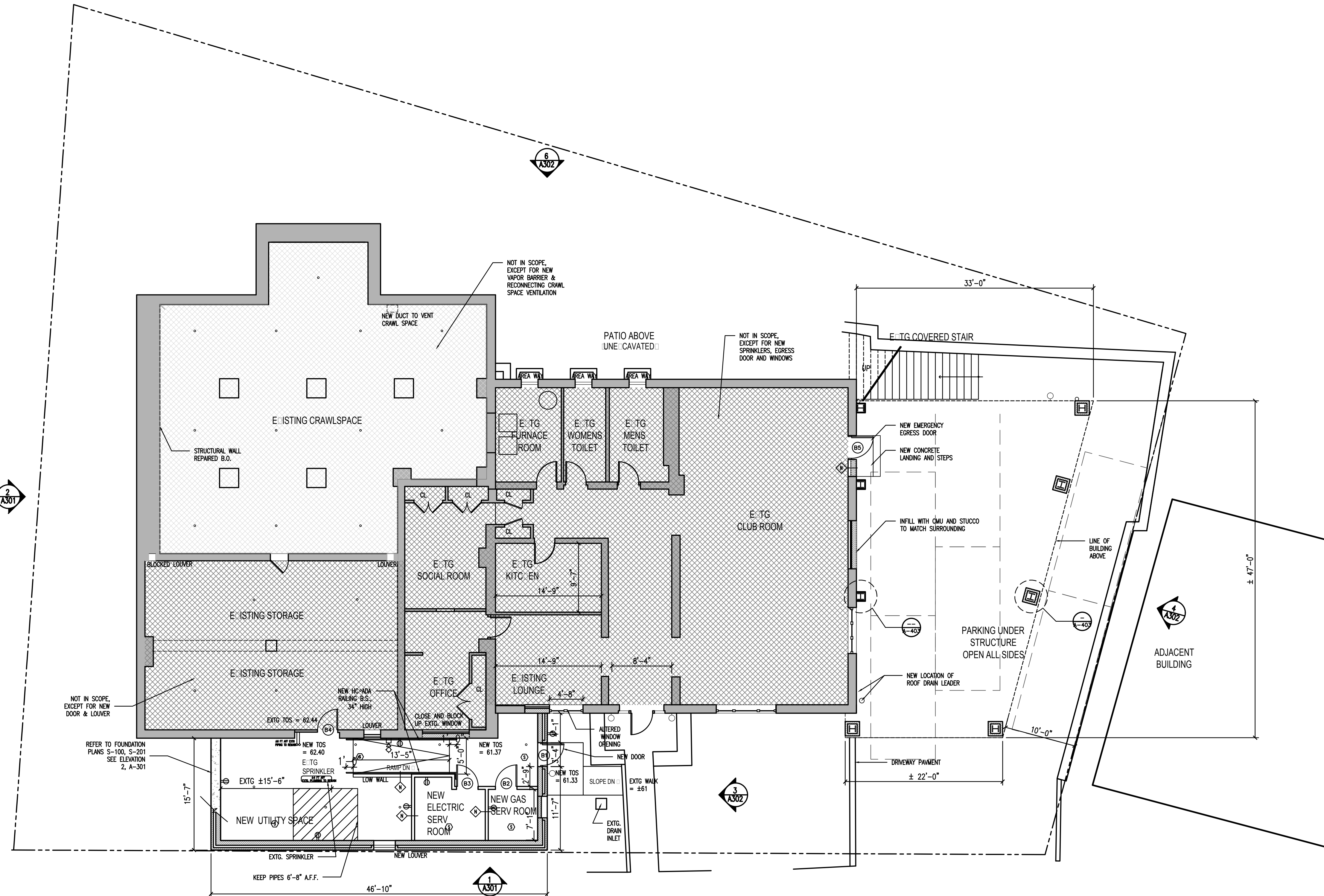
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FIRST FLOOR  
DEMO PLAN

Scale: As noted Drawing No.:  
Date: SEE ABOVE  
Drawn by: **A-052**  
S.J.L Proj: EC





BASEMENT PLAN

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BASEMENT PLAN

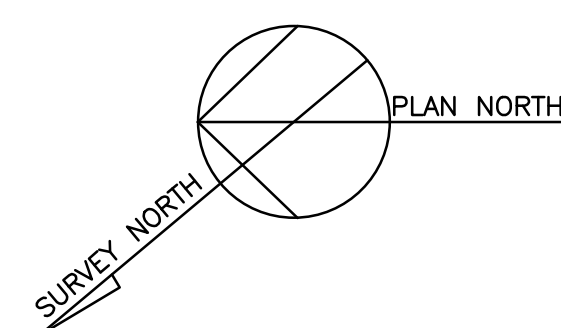
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Date: SEE ABOVE

Drawn by: A-101

SJL Proj: EC





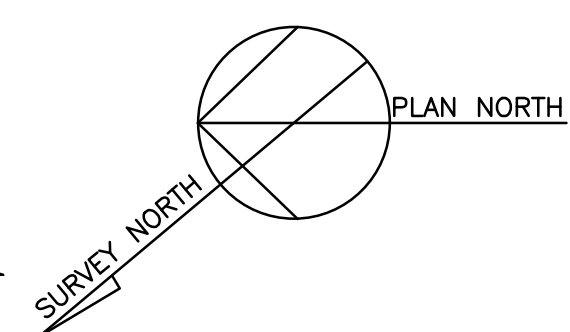
### FIRST FLOOR PLAN

A-102

SJL Proj: EC



MEZZANINE PLAN



0 FEET

## ROOF PLAN

- NOTES:
- 1 REFER TO ADDITIONAL ROOFING NOTES ON T-002
  - 2 ALL ROOFING SYSTEMS TO BE NEW.
  - 3 EXISTING ROOFING (ROOF PARTS 1 AND 2) TO BE REMOVED AND REPLACED WITH NEW. COORDINATE WITH ABATEMENT DOCUMENTS AND PHASE TO ENSURE PROTECTION OF STRUCTURE. PROVIDE TEMPORARY SYSTEMS AS REQUIRED.
  - 4 EXISTING ROOF DECK AND STRUCTURES TO BE INSPECTED BY ENGINEERS AFTER COMPLETION OF EXISTING COVERINGS. COORDINATE TO ALLOW ADEQUATE NOTICE.
  - 5 PID = PITCH TO DRAIN

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MEZZANINE PLAN  
ROOF PLAN

Scale: As noted Drawing No.:

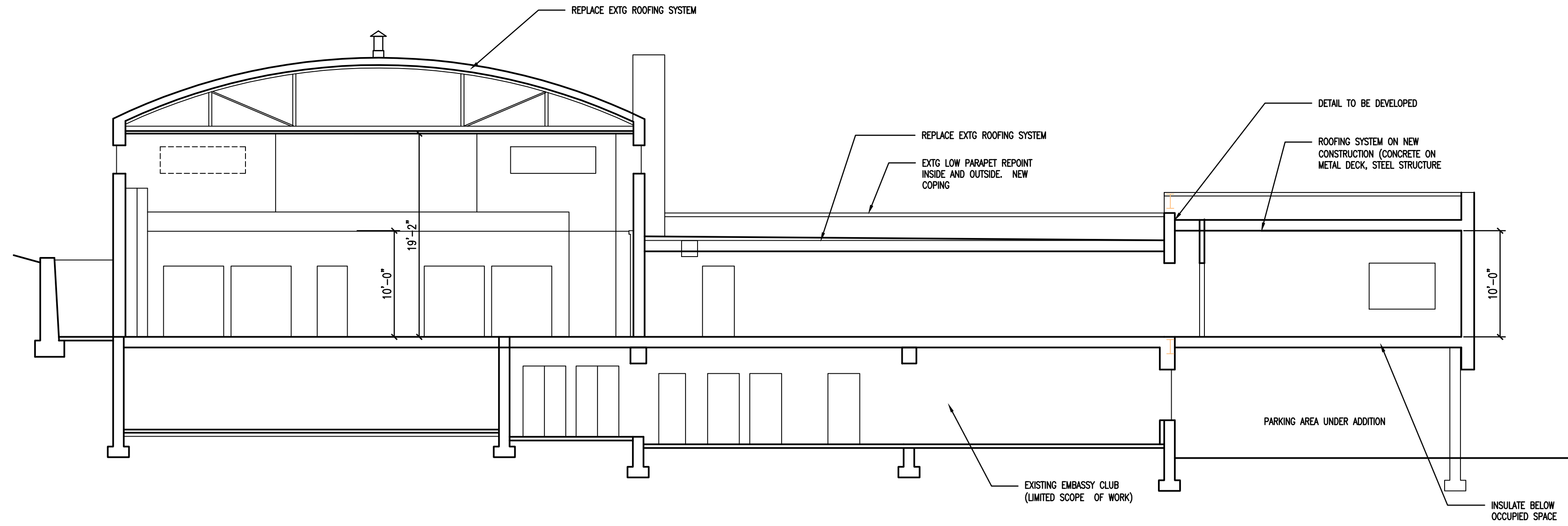
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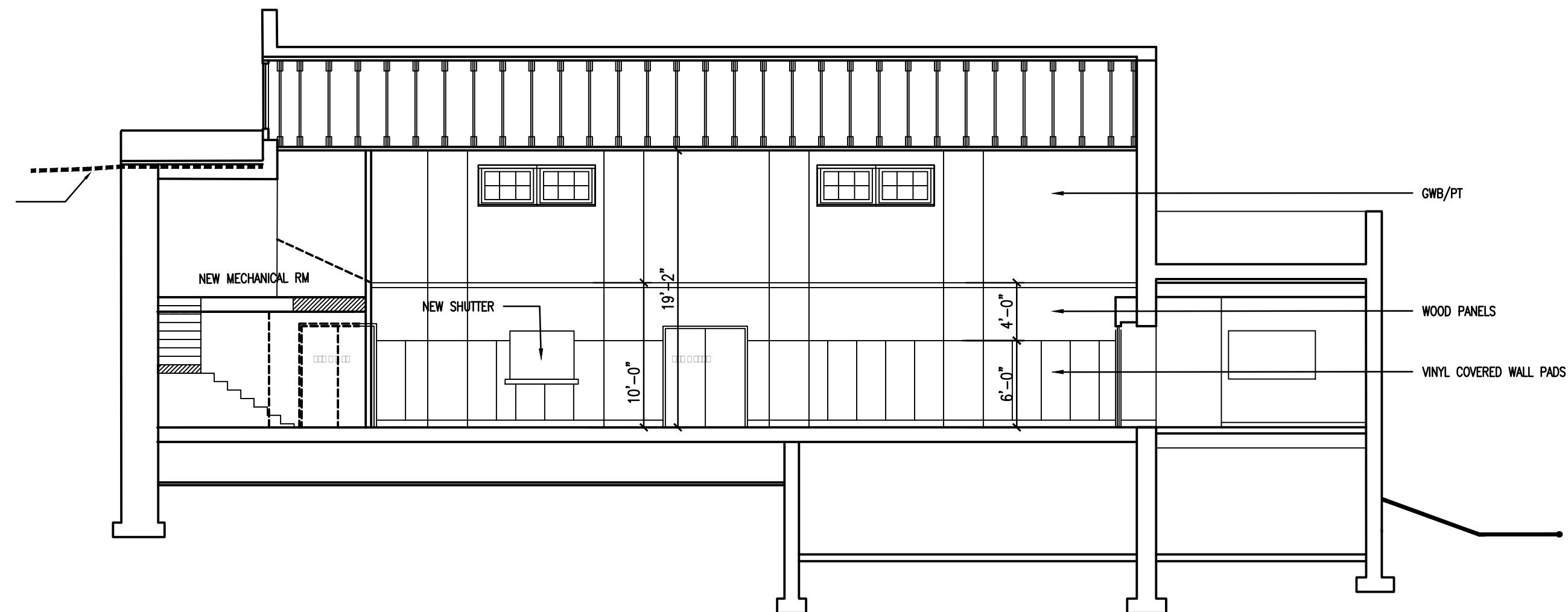
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A-103

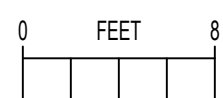




A SECTION LOOKING EAST  
SCALE: 1/8" = 1'-0"



2 SECTION LOOKING SOUTH  
SCALE: 1/8" = 1'-0"



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BUILDING SECTIONS

Scale: As noted Drawing No.:

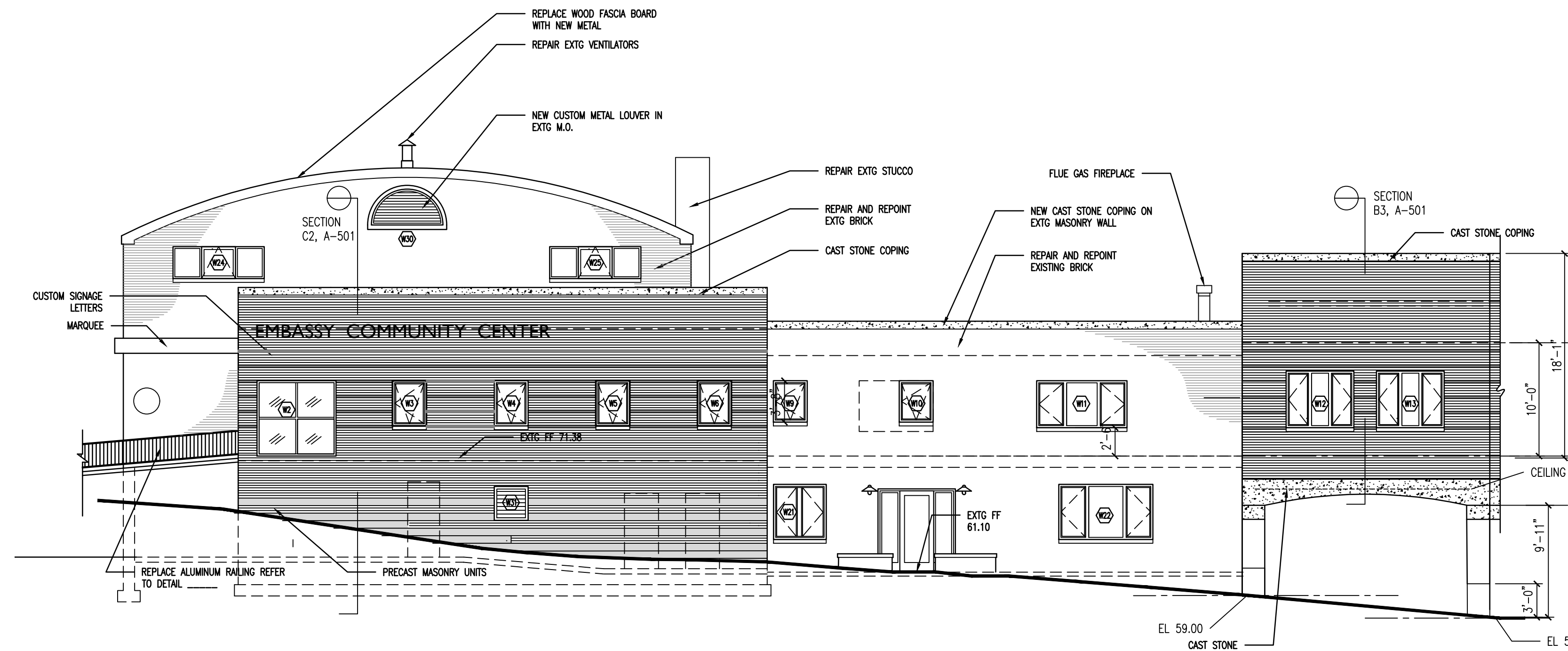
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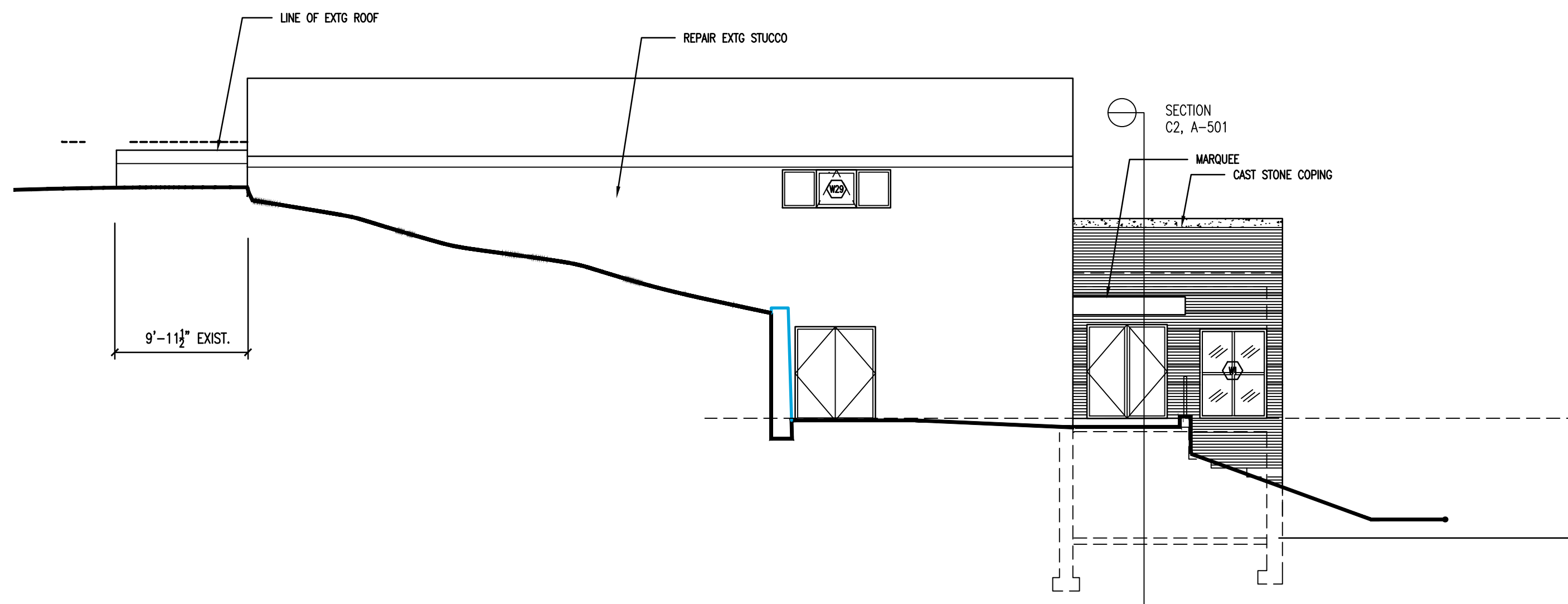
SJL Proj: EC

A-201





1 FRONT (WEST) ELEVATION  
SCALE: 1/8" = 1'-0"



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

0 FEET 8

MASONRY SCHEDULE				
TAG	ITEM	DESCRIPTION	MANUFACTURER	SELECTION
M-01	Existing bricks	Clean and re-use salvaged units	NA	-
M-02	New face bricks (field color)	Norman (nominal 4" x 2-2/3" x 12")	To be selected	-
M-03	New face bricks (accent color)	Norman (nominal 4" x 2-2/3" x 12")	To be selected	-
M-04	Split-face CMU	Nominal (4" x 8" x 16")	To be selected	-
CS	Cast stone	Custom fabricated per drawings	-	-
Refer drawing details				

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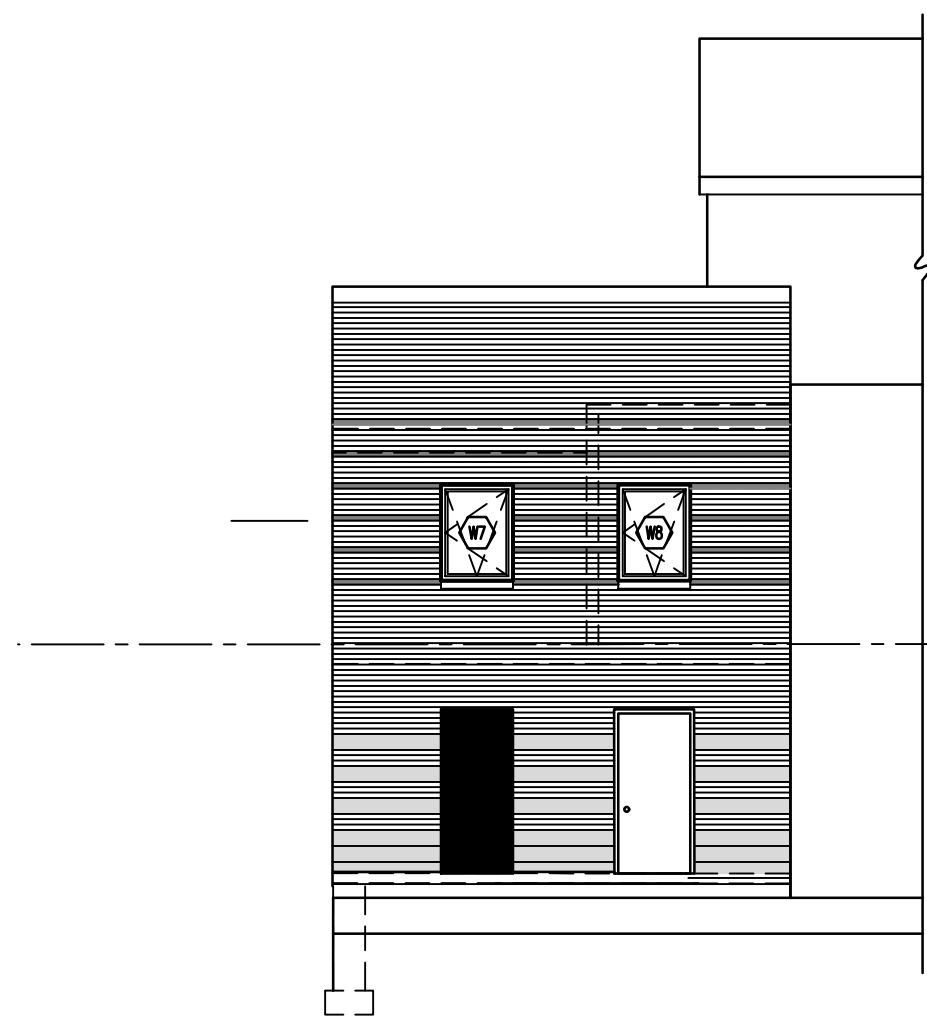
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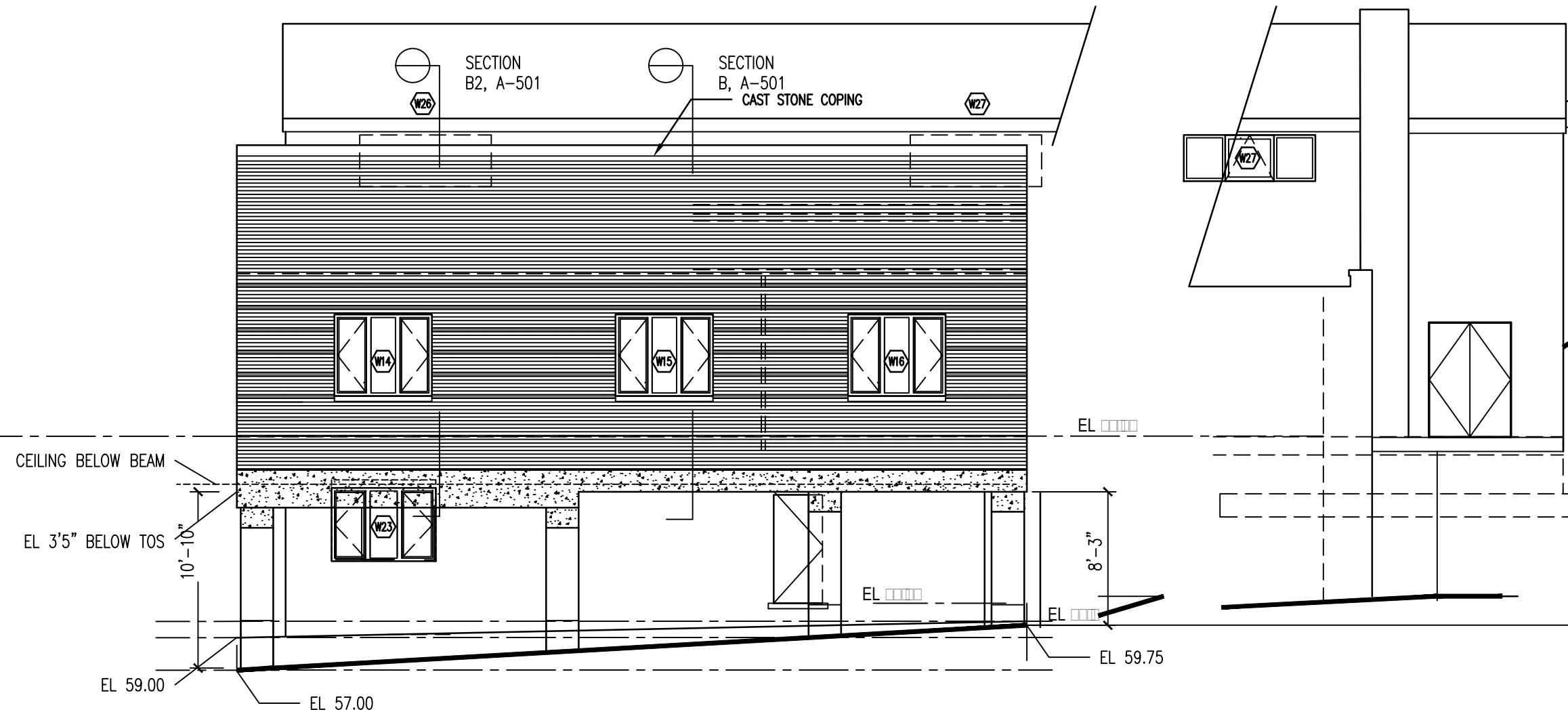
BUILDING ELEVATIONS

Scale: As noted Drawing No.:  
Date: SEE ABOVE  
Drawn by: A-301  
S.J.L. Proj: EC

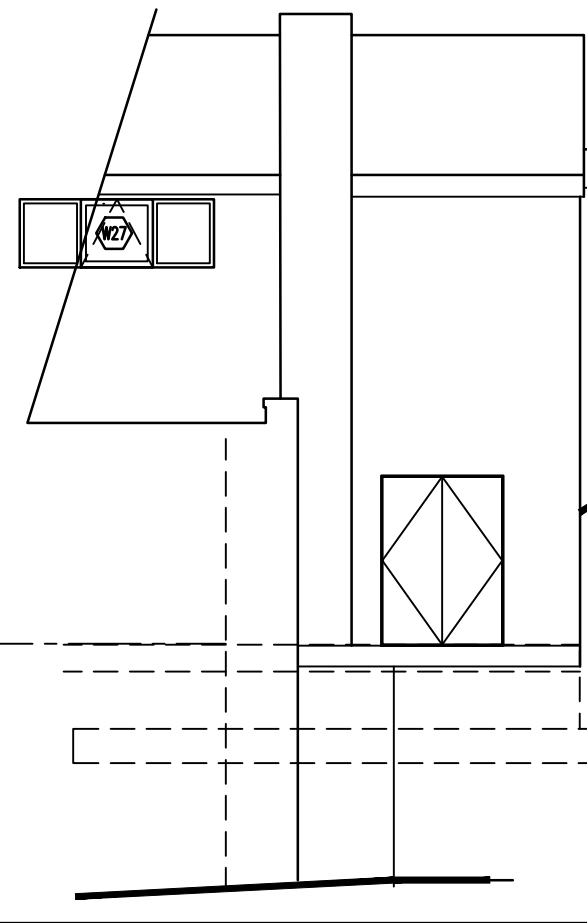




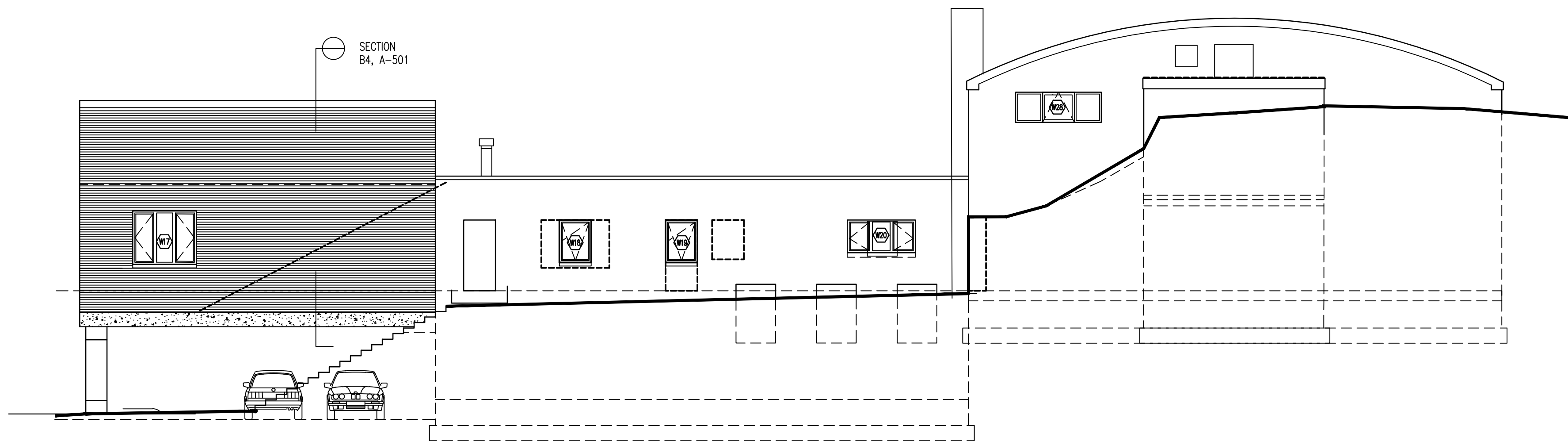
3 SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"



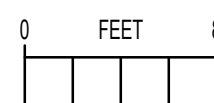
4 SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"



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



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



MASONRY SCHEDULE				
TAG	ITEM	DESCRIPTION	MANUFACTURER	SELECTION
M-01	Existing bricks	Clean and re-use salvaged units	NA	-
M-02	New face bricks (field color)	Norman (nominal 4" x 2-2/3" x 12")	To be selected	-
M-03	New face bricks (accent color)	Norman (nominal 4" x 2-2/3" x 12")	To be selected	-
M-04	Split-face CMU	Nominal (4" x 8" x 16")	To be selected	-
CS	Cast stone	Custom fabricated per drawings	-	-
				Refer drawing details

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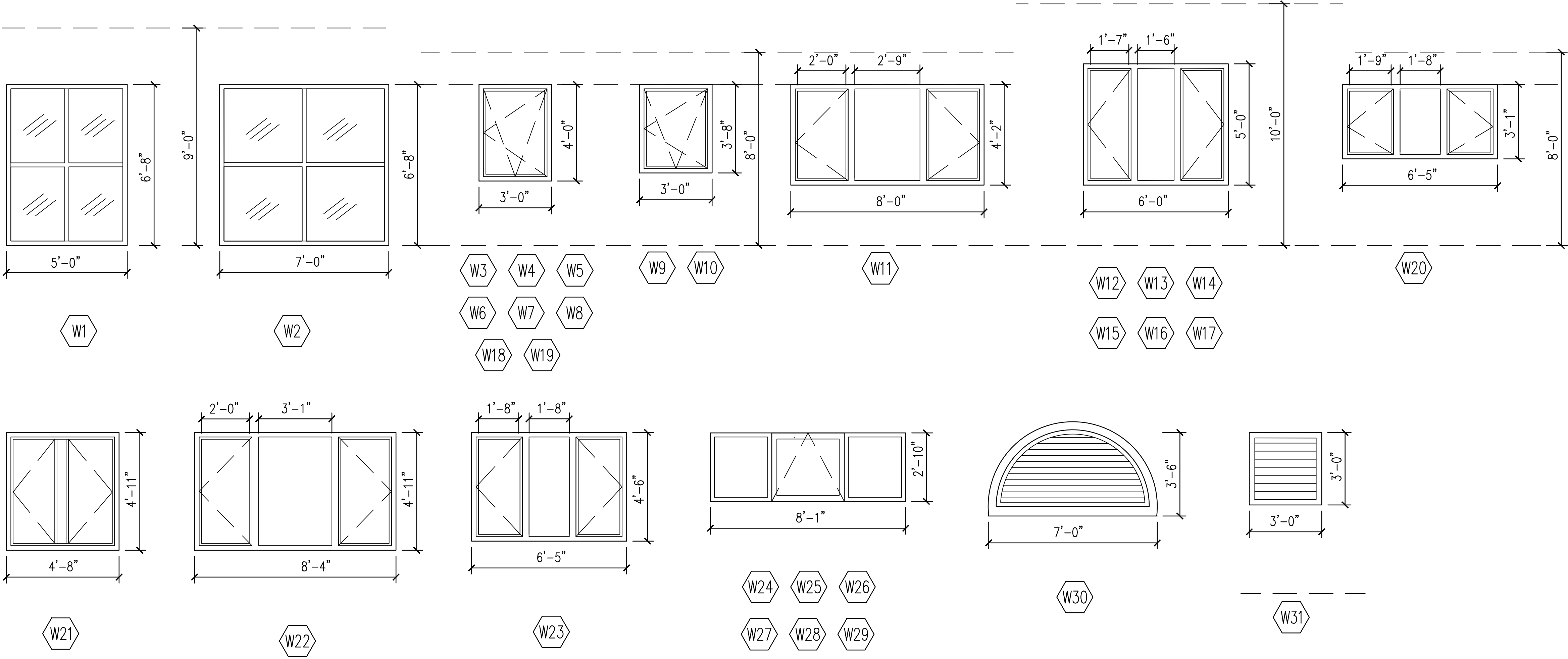
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BUILDING ELEVATIONS

Scale: As noted Drawing No.:  
Date: SEE ABOVE  
Drawn by: A-302  
S.J.L. Proj: EC





NOTES:  
MASONRY OPENING (M.O.) SIZES ARE NOMINAL.  
ACTUAL WINDOW SIZE SHALL INCLUDE COMPENSATION FOR JOINTS.  
ALL EXISTING M.O. MUST BE VERIFIED IN FIELD.  
ALL WINDOWS REQUIRE SHOP DRAWING APPROVAL.  
DESIGN STANDARD IS KAWNEER/TRACO NX-3000  
NX-3200  
NX-3500"  
NX-3700  
NX-3800  
SCALE: 3/8"=1'-0"

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WINDOW SCHEDULE

Scale:As notedDrawing No.:

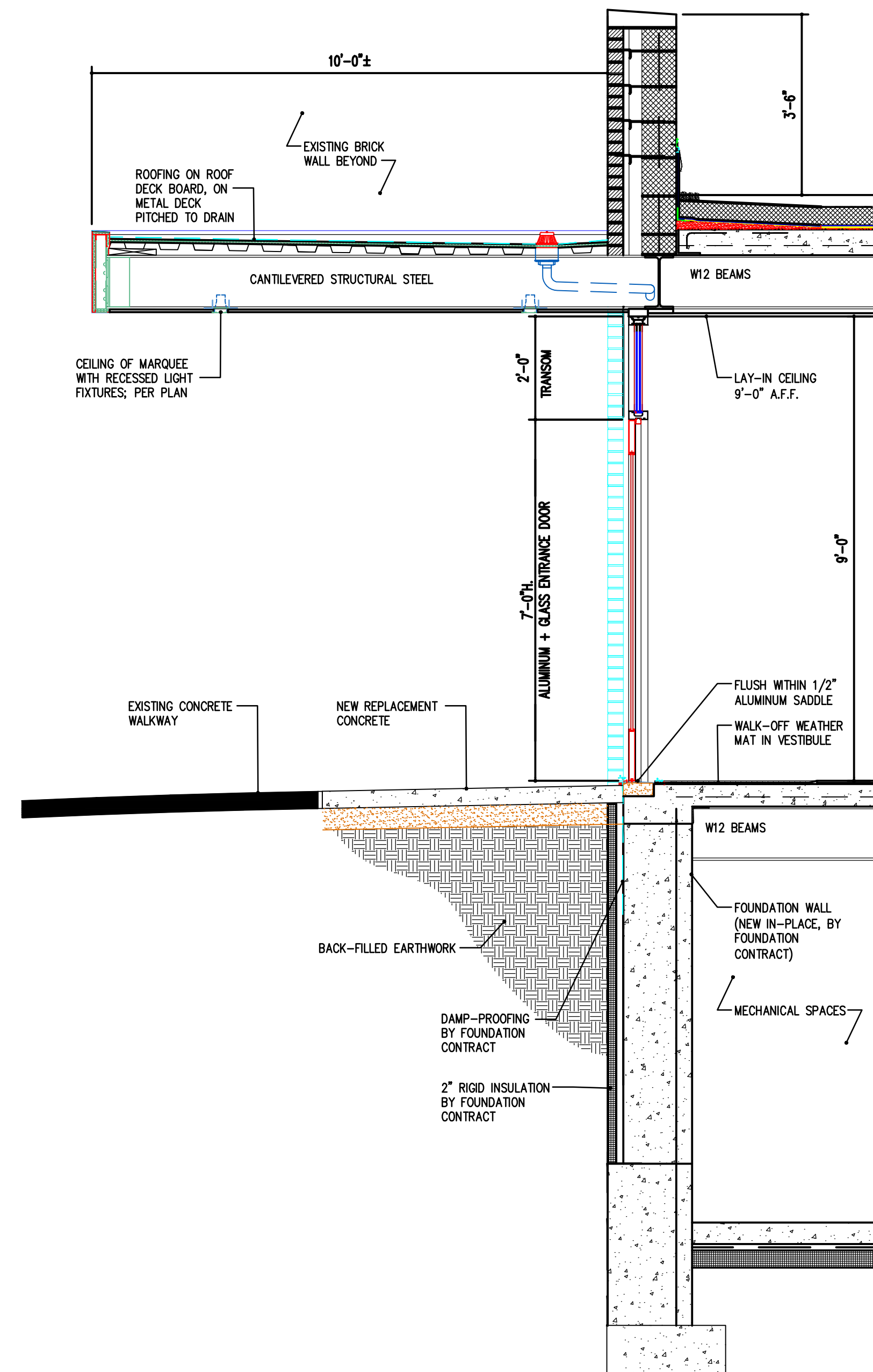
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Drawn by:

SJL Proj: EC

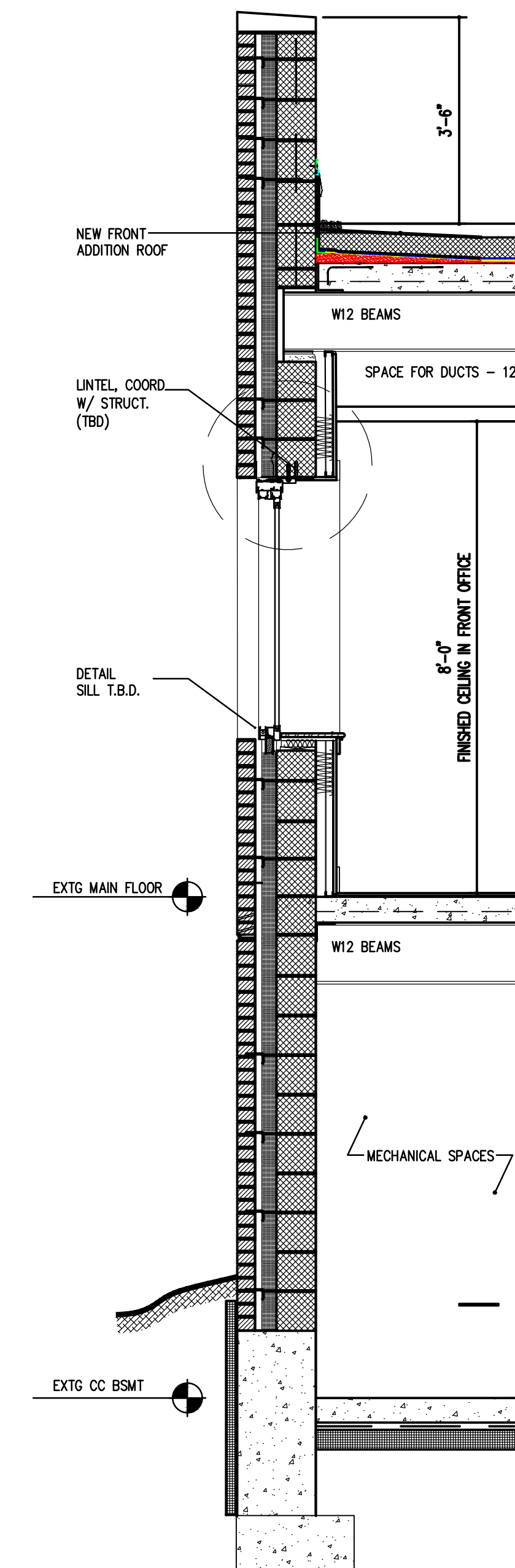
A-401





(A2) DETAIL: WALL SECTION AT MARQUEE  
1/2" = 1'-0"

ROOFING, INSULATION - 8"



ROOFING, INSULATION - 8"

EXTG MAIN FLOOR

EXTG CC BSMT

(A1) DETAIL: WALL SECTION FRONT ADDITION  
1/2" = 1'-0"

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EXTERIOR WALL DETAILS

Scale: As noted Drawing No.:

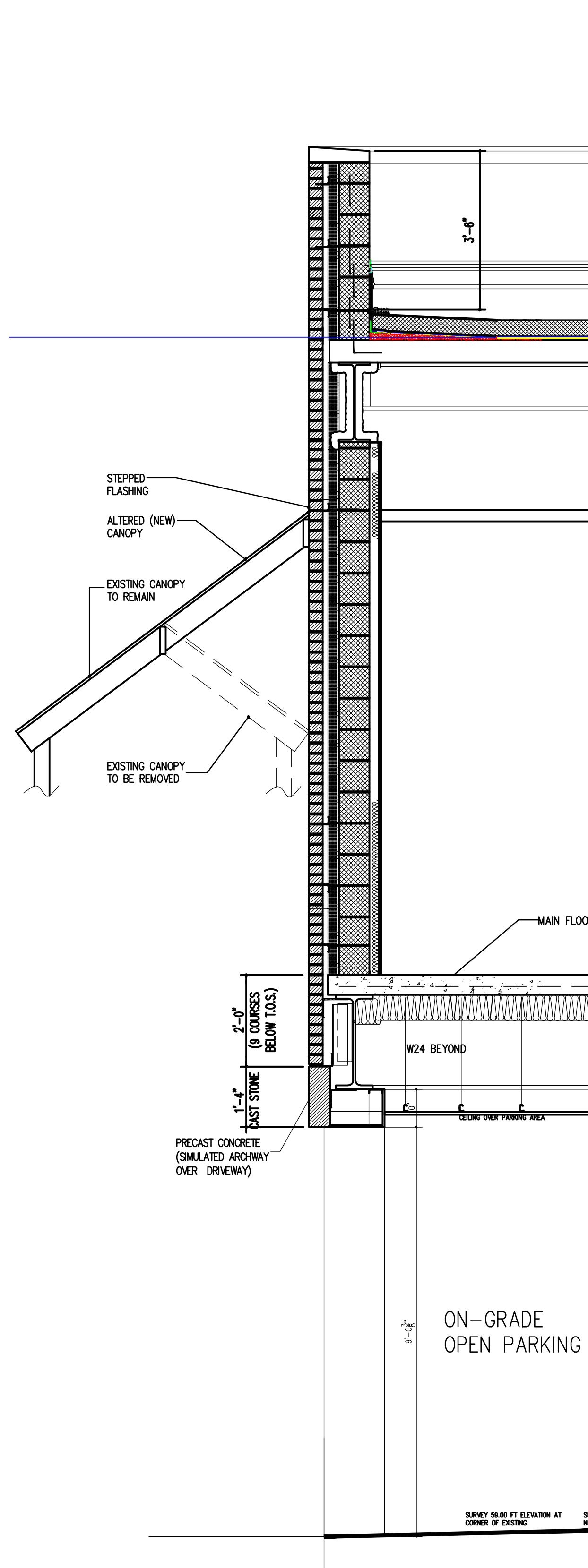
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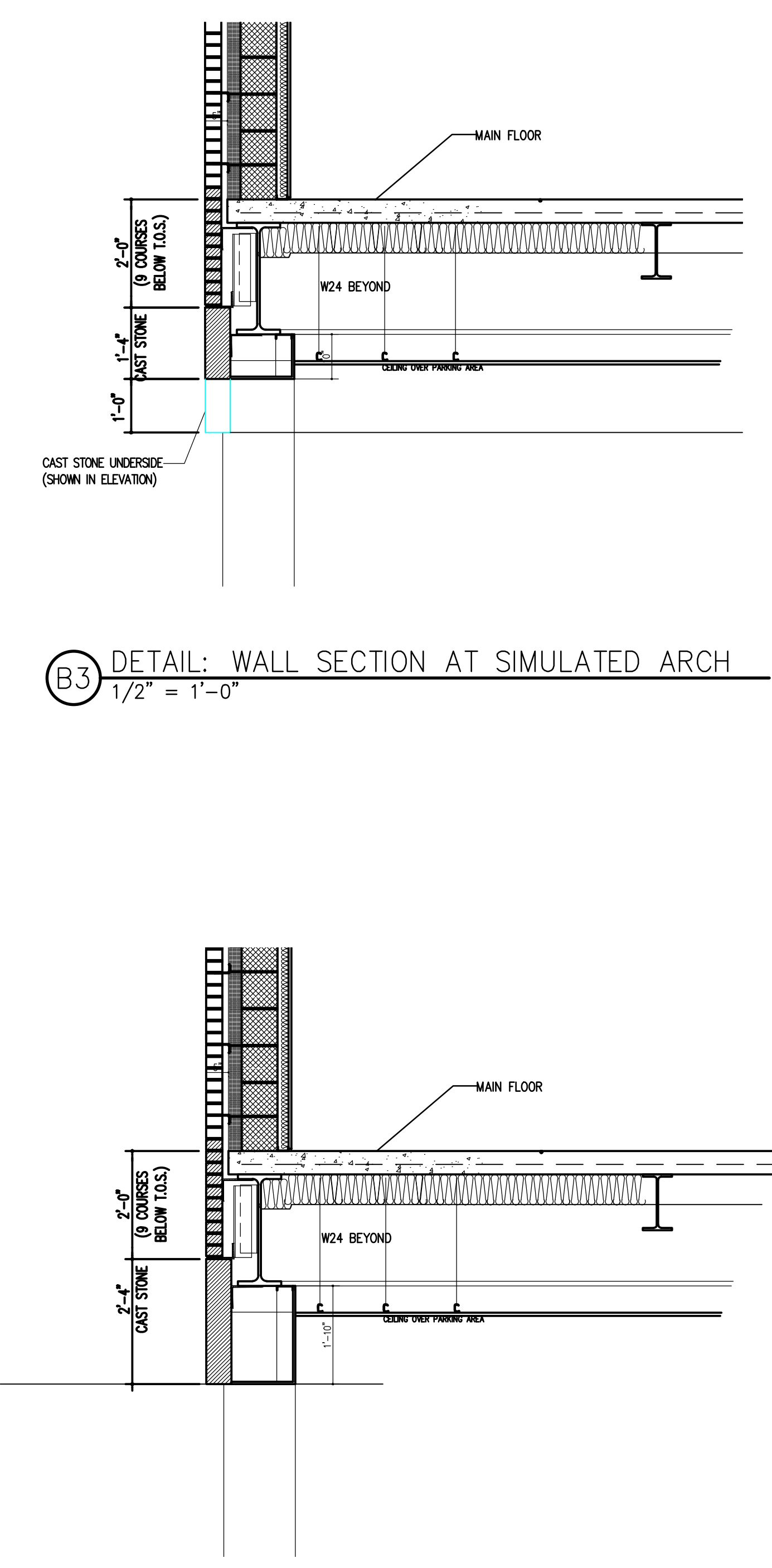
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**A-402**

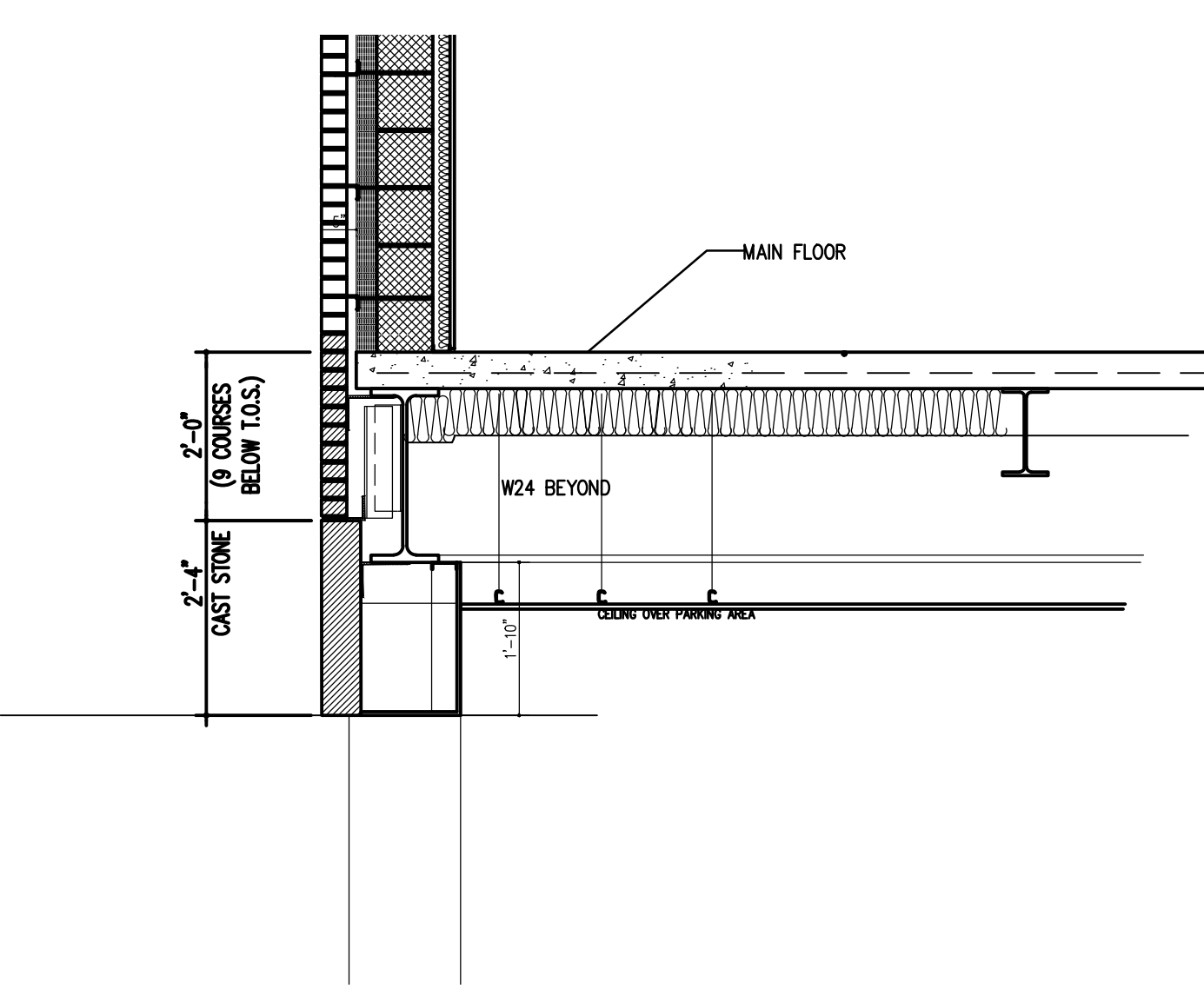




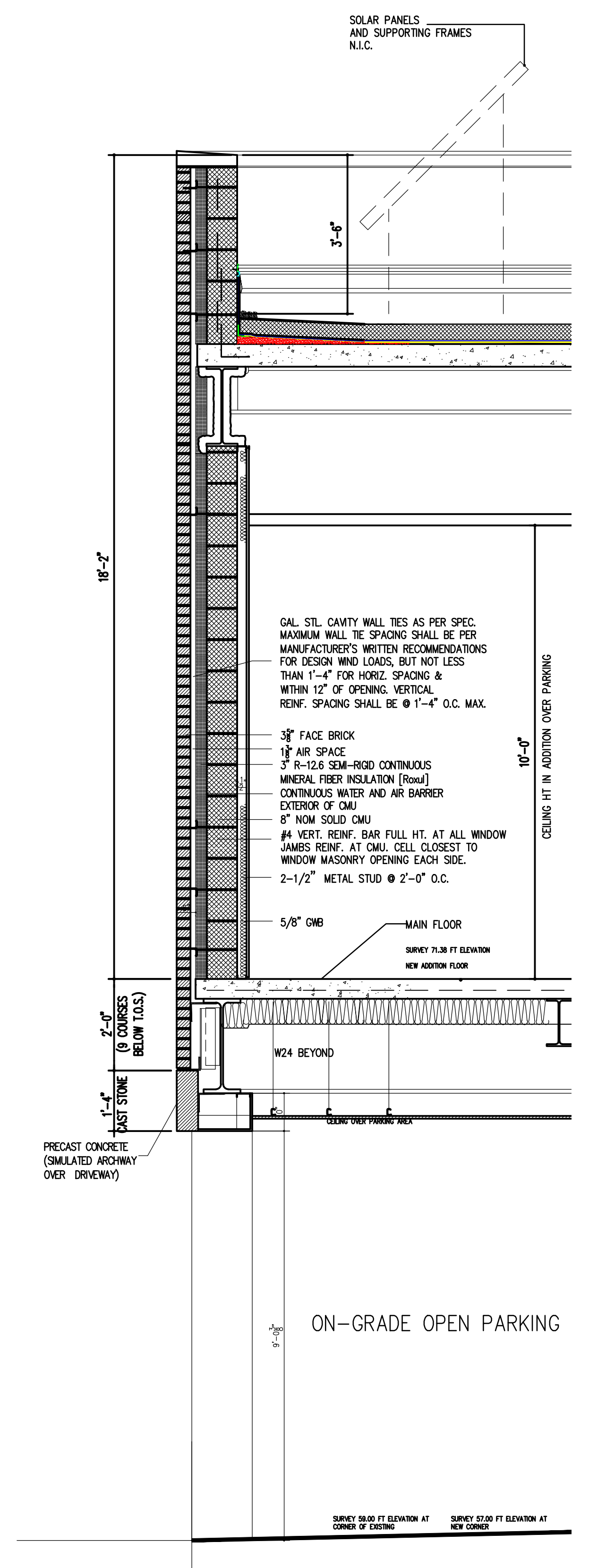
**B4** DETAIL: WALL SECTION AT EXTG STAIR CANOPY  
1/2" = 1'-0"



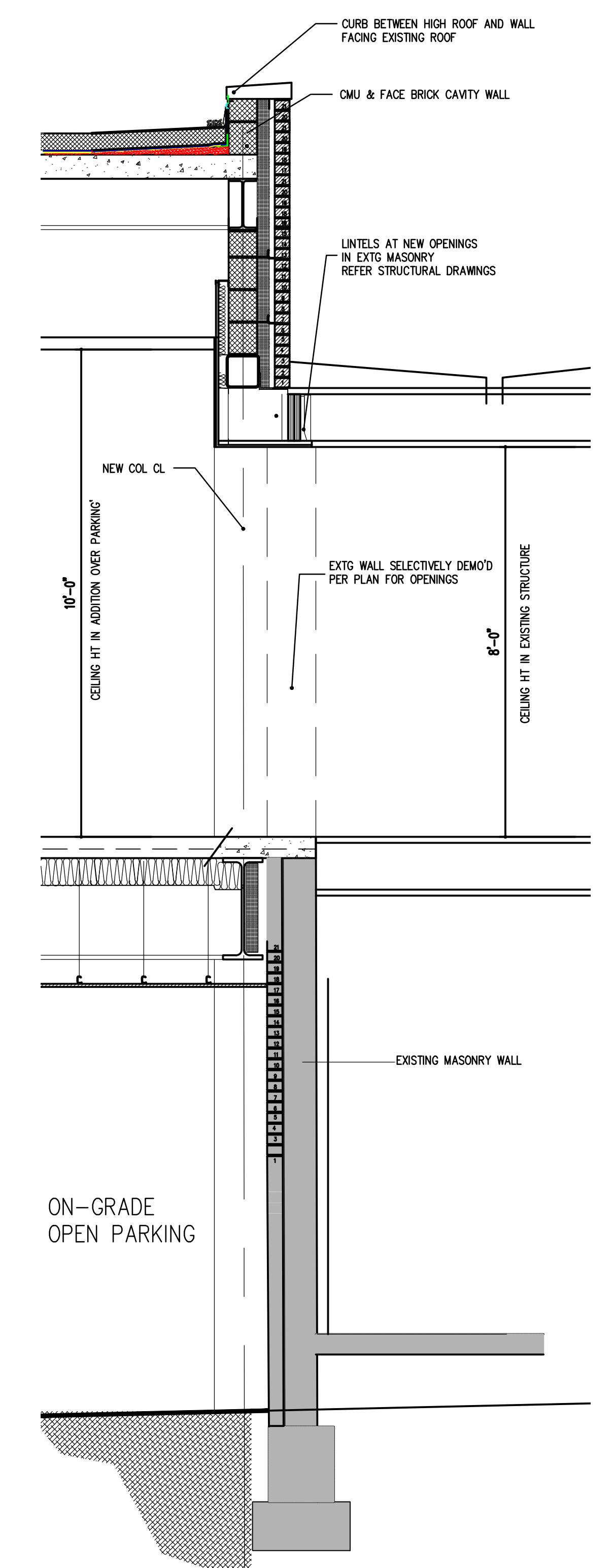
**B3** DETAIL: WALL SECTION AT SIMULATED ARCH  
1/2" = 1'-0"



**B2** DETAIL: WALL SECTION SOUTH WALL, FIRST BAY  
1/2" = 1'-0"



**B1** DETAIL: WALL SECTION SOUTH WALL  
1/2" = 1'-0"



**C** DETAIL: WALL SECTION AT EXTG STRUCTURE  
1/2" = 1'-0"

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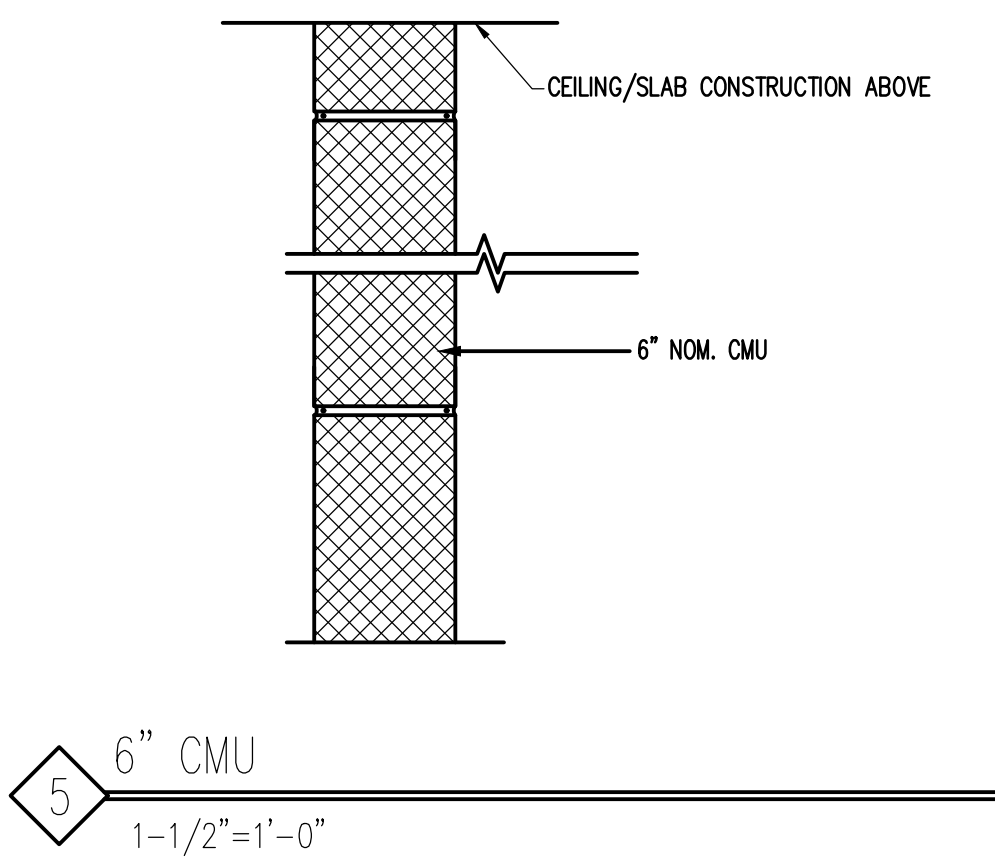
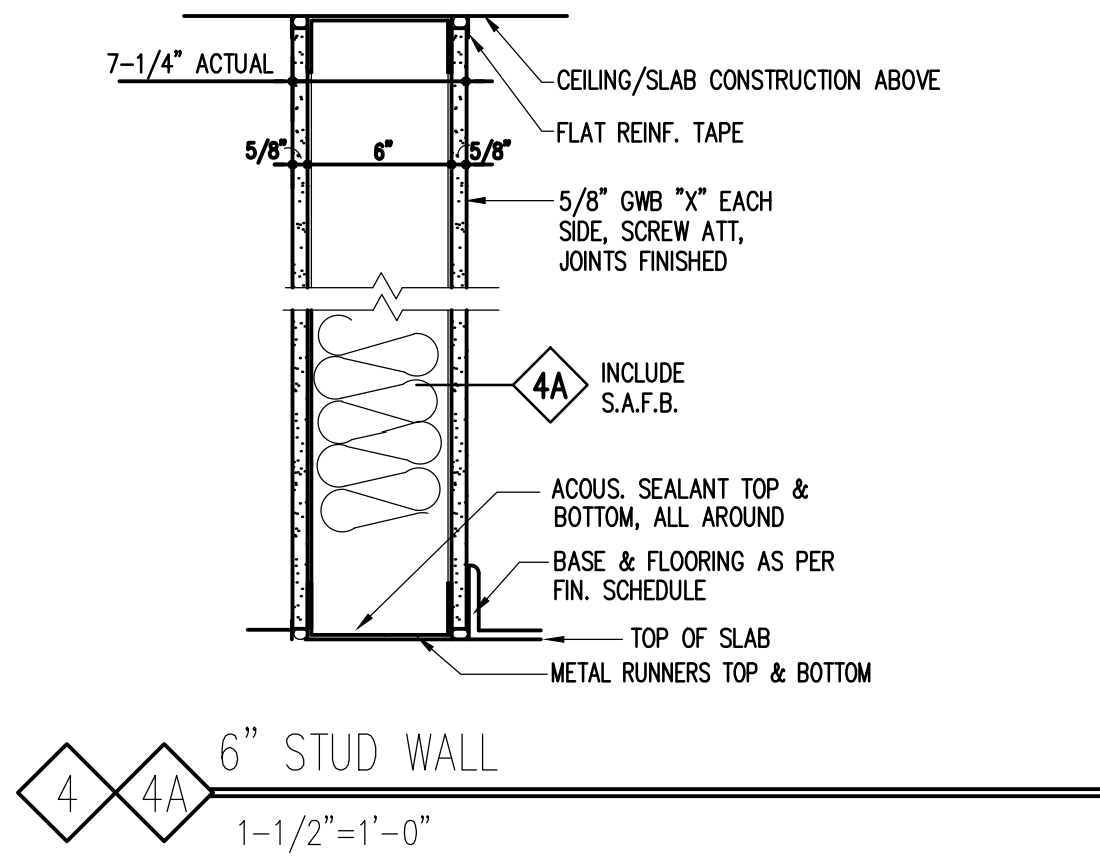
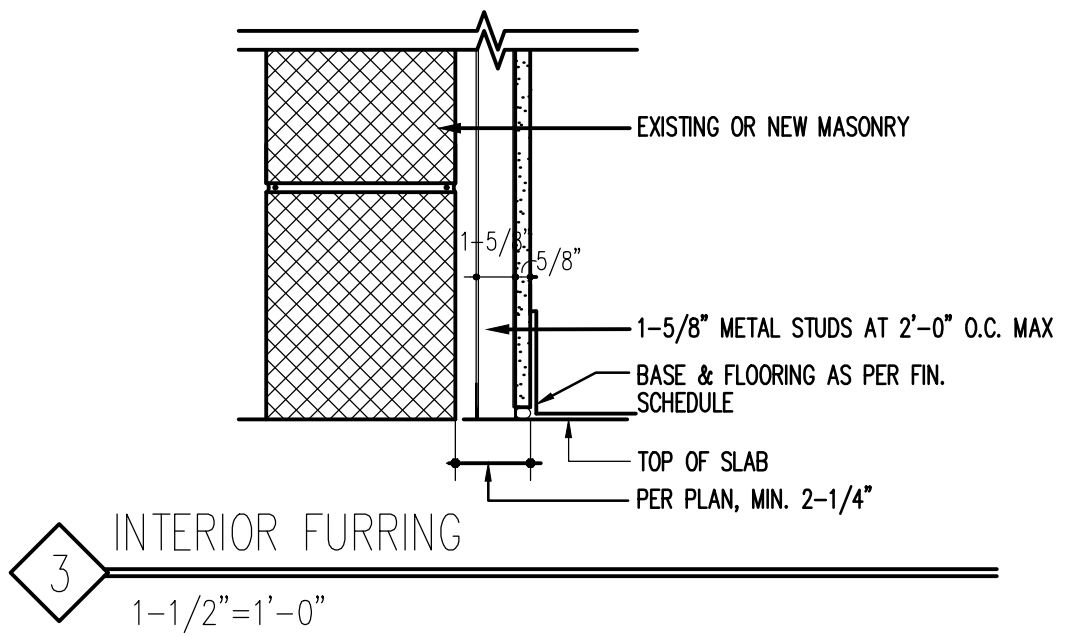
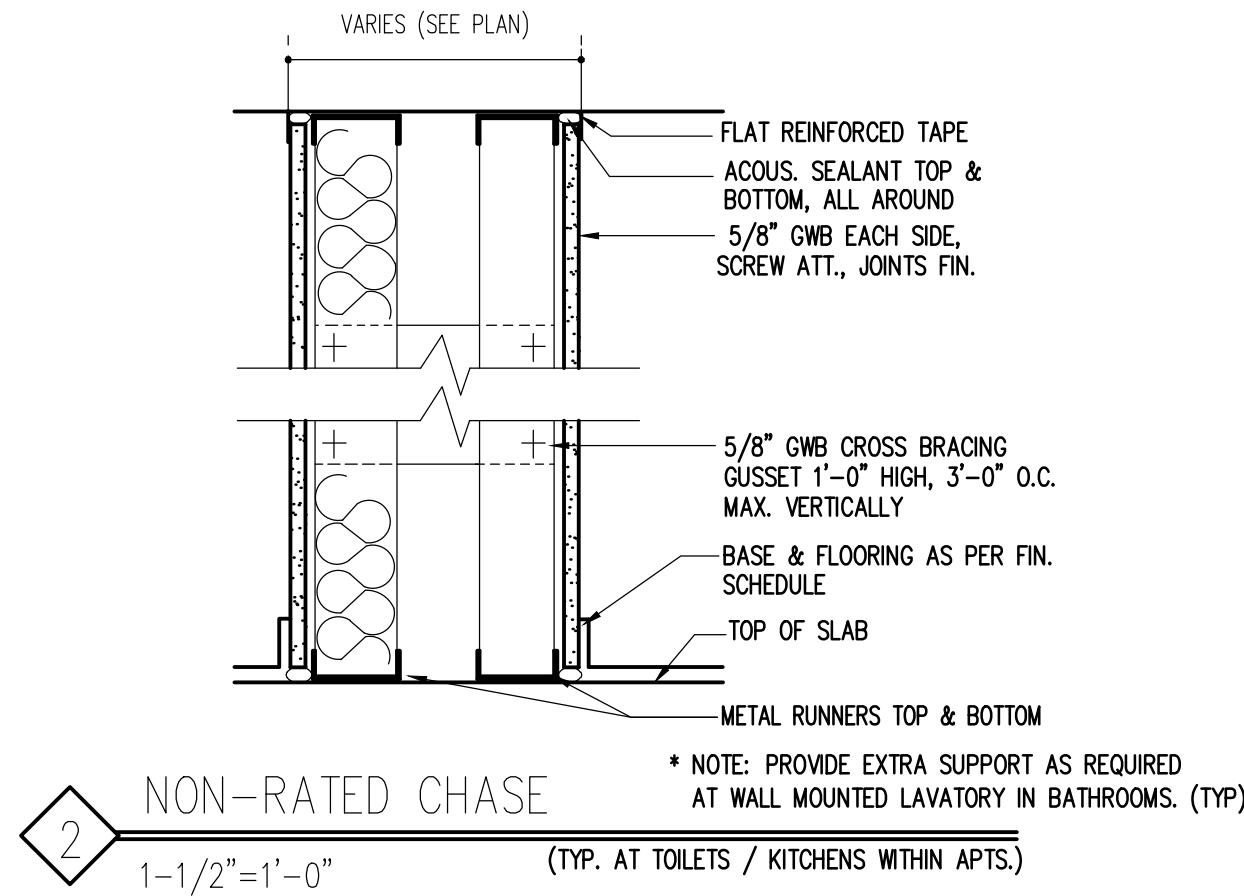
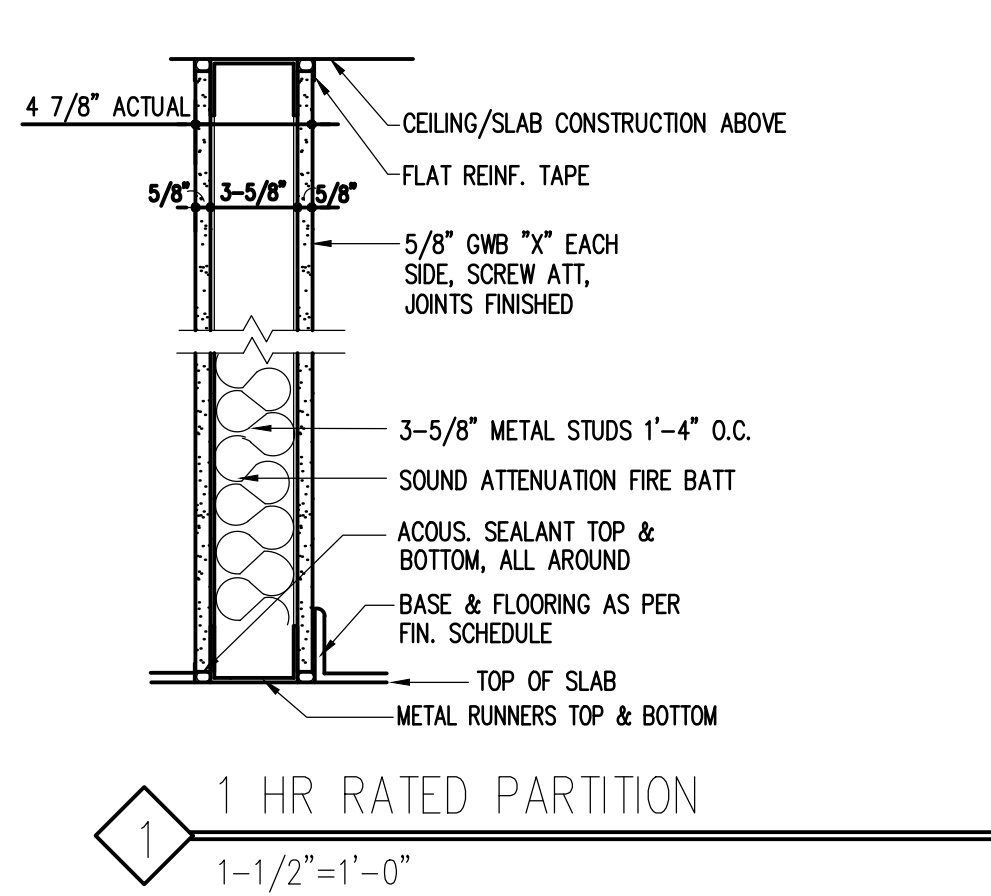
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EXTERIOR WALL DETAILS

Scale: As noted Drawing No.:  
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Drawn by:  
SUL Proj: EC

**A-403**





FINISH SCHEDULE

SPACE TAG	SPACE NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
	VESTIBULE	CT	4" CT	GWB/PT; EXTG BRICK	ACT	ONE WALL EXTG BRICK
	HALLWAY (AT FRONT)	CT	4" CT	GWB/PT; EXTG BRICK	ACT	ONE WALL EXTG BRICK
	FRONT OFFICE	VCT	4" RB	GWB/PT	ACT	
	AUDITORIUMM.P. ROOM	RESILIENT ATHLETIC	"Mondo"	SEE ELEVATIONS	ACT-nn; GWB/PT-nn	REFER TO INTERIOR ELEVATIONS/SECT
	(CENTER) CORRIDOR	VCT	4" RB	GWB/PT	GWB/PT	
	KITCHEN	EXPOXY RESIN	EXPOXY RESIN	GWB/PT	GWB/PT	
	PANTRY	EXPOXY RESIN	EXPOXY RESIN	GWB/PT	GWB/PT	
	JANITOR CLOSET	EXPOXY RESIN	EXPOXY RESIN	GWB/PT	GWB/PT	
	OFFICE 1	VCT	4" RB	GWB/PT	GWB/PT	
	OFFICE 2	VCT	4" RB	GWB/PT	GWB/PT	
	SOCIAL ROOM A	VCT	4" RB	GWB/PT	ACT-nn; GWB/PT-nn	
	SOCIAL ROOM B	VCT	4" RB	GWB/PT	ACT-nn; GWB/PT-nn	
	SENIOR LOUNGE	LVT	4" RB	GWB/PT	GWB/PT	
	MEN'S ROOM	CT	CT	CT	GWB/PT	
	WOMEN'S ROOM	CT	CT	CT	GWB/PT	
	HALLWAY AT TOILETS	CT	CT	CT	GWB/PT	
	STORAGE [MEZZANINE]	VCT	4" RB	EXTG/PT; GWB/PT		
	MECHANICAL BULKHEAD			CMU/PT [?]		
BSMT	STORAGE	CONC/DP				
	GAS SERVICE ROOM	CONC/DP				
	ELEC SERVICE ROOM	CONC/DP				
	OPEN BASEMENT	CONC/DP				
	EXTG EMBASSY CLUB SPACES					PATCH AND REPAIR ONLY

FINISH SELECTIONS

TAG	MANUFACTURER	PRODUCT	COLOR	SOURCE	REMARKS
CT-01	Casalgrande Padana	Architecture Granitosgres	Medium Grey Naturale Matte	Protile	Porcelain floor tile
CT-02			Dark Grey Naturale Matte		Porcelain floor tile (alternate)
CT-03					Toilet floor tile
CT-04					Toilet base tile
CT-05					Toilet wall tile
					Toilet wall tile
VCT-01	Armstrong	Standard Excelon	51805 Camel Beige		
VCT-02	Armstrong	Standard Excelon	59230 Victoria Blue		
VCT-03	Armstrong	Standard Excelon	51904 Sterling		
VCT-04	Armstrong	Standard Excelon	51814 Pomegranate Red		
LVT-01	Armstrong	Vivero (faux wood)	U2010 Amendoim Amber Glow		
			U2032 Gallery Oak Cinammon		alternate
RAF-01	Mondo Flooring	Advance 10MM	L62 Sand		Field
			L86 Marine Blue		Accent color
ERF-01	Everlast Epoxy (Resinous)	Everlast	Grand Canyon		
ACT-01	Armstrong	Tectum	White		15/16" Prelude grid [Gym/Auditorium]
ACT-02	Armstrong	Ultima Beveled Tegular	White		9/16" Silhouette XL grid [Social rooms]
ACT-03	Armstrong				Exterior over parking
PT-01	Benjamin Moore	Refer to technical specification	Ceiling White		
PT-02	Benjamin Moore	Refer to technical specification	Wall White		
PT-03	Benjamin Moore	Refer to technical specification	825 Blue Nova		Dark column accent
PT-04	Benjamin Moore	Refer to technical specification	AF-695 Eternity		Silver grey
PT-05	Benjamin Moore	Refer to technical specification	AF-85 Frappe		Walls:Lobby, social room
PT-06	Benjamin Moore	Refer to technical specification	HC-61 New London Burgundy		Dark Red - social room doors
PT-07	Benjamin Moore	Refer to technical specification	AF-705 Cinder		medium grey

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ADDITION AND  
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**EMBASSY  
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PARTITION TYPES  
FINISH SCHEDULE

Scale: As noted Drawing No.:  
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A-501



DOOR SCHEDULE

TAG	LOCATION	OPENING			DOOR TYPE	FRAME				HDWE SET	REMARKS
		WIDTH	HT	RATING		TYPE	HEAD	JAMB	SILL		
D01	MAIN ENTRANCE	6'-0"	7'-0"	-	A	ALUM					EGRESS DOOR
D02	MAIN ENTRANCE	6'-0"	7'-0"	-	A	ALUM					EGRESS DOOR
D03	SIDE EXIT	6'-0" VIF	6'-8"	-	B	HM					EMO EGRESS DOOR
D04	REAR EXIT AUDITORIUM	5'-0" VIF	6'-8"	-	B	HM					EMO EGRESS DOOR
D05	REAR EXIT CORRIDOR	3'-0"	6'-8"	-	B	HM					EGRESS DOOR
D06	AUDITORIUM	6'-0"	6'-8"	-	B2	HM					
D07	AUDITORIUM-CORRIDOR	6'-0" VIF	6'-8"	-	B2	HM					
D08	AUDITORIUM STORAGE	6'-0"	6'-8"	-	B2	HM					
D09	AUDITORIUM STORAGE	6'-0"	6'-8"	-	B2	HM					
D10	AUDITORIUM STORAGE	6'-0"	6'-8"	-	B2	HM					
D11	AUDITORIUM STORAGE	6'-0"	6'-8"	-	B2	HM					
D12	STORAGE ROOM	3'-0"	6'-8"	-	B2	HM					
D13											
D14	FRONT OFFICE	3'-0"	6'-8"	-	B2	HM					
D15	WOMENS ROOM	3'-0"	6'-8"	-	B2	HM					
D16	MENS ROOM	3'-0"	6'-8"	-	B2	HM					
D17	KITCHEN	3'-0"	6'-8"	-	C	?					DUTCH DOOR
D18	JANITORS CLOSET	3'-0"	6'-8"	-	B2	HM					
D19	OFFICE	3'-0"	6'-8"	-	B2	HM					
D20	OFFICE	3'-0"	6'-8"	-	B2	HM					
D21	SENIOR LOUNGE	3'-0"	6'-8"	-	B2	HM					
D22	SENIOR LOUNGE CLOS	5'-0"	6'-8"	-	B2	HM					
D23	SOCIAL ROOM A	3'-0"	6'-8"	-	B2	HM					
D24	SOCIAL ROOM B	3'-0"	6'-8"	-	B2	HM					
D25	SOCIAL ROOM CLOS	5'-0"	6'-8"	-	B2	HM					
D26	SOCIAL ROOM CLOS	3'-0"	6'-8"	-	B2	HM					
D27	SOCIAL ROOM CLOS	3'-0"	6'-8"	-	B2	HM					BY MOVABLE PARTN?
B1	BASEMENT ENTRANCE	3'-0"	6'-8"	-	B2	HM					
B2	GAS SERV RM	3'-0"	6'-8"	-	B2	HM					
B3	ELEC SERV RM	3'-0"	6'-8"	-	B2	HM					
B4	STORAGE ROOM	3'-0"	6'-8"	-	B2	HM					
B5	NEW EGRESS DOOR	3'-0"	6'-8"	-	B2	HM					NMO - FROM EMBASSY CLUB
X1	MECHANICAL ROOM	3'-0"	7'-0"	-	B	HM					EXTERIOR DOOR
D28	CORRIDOR CLOSET	2'-2"	6'-8"	-	B2	HM					

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DOOR SCHEDULE

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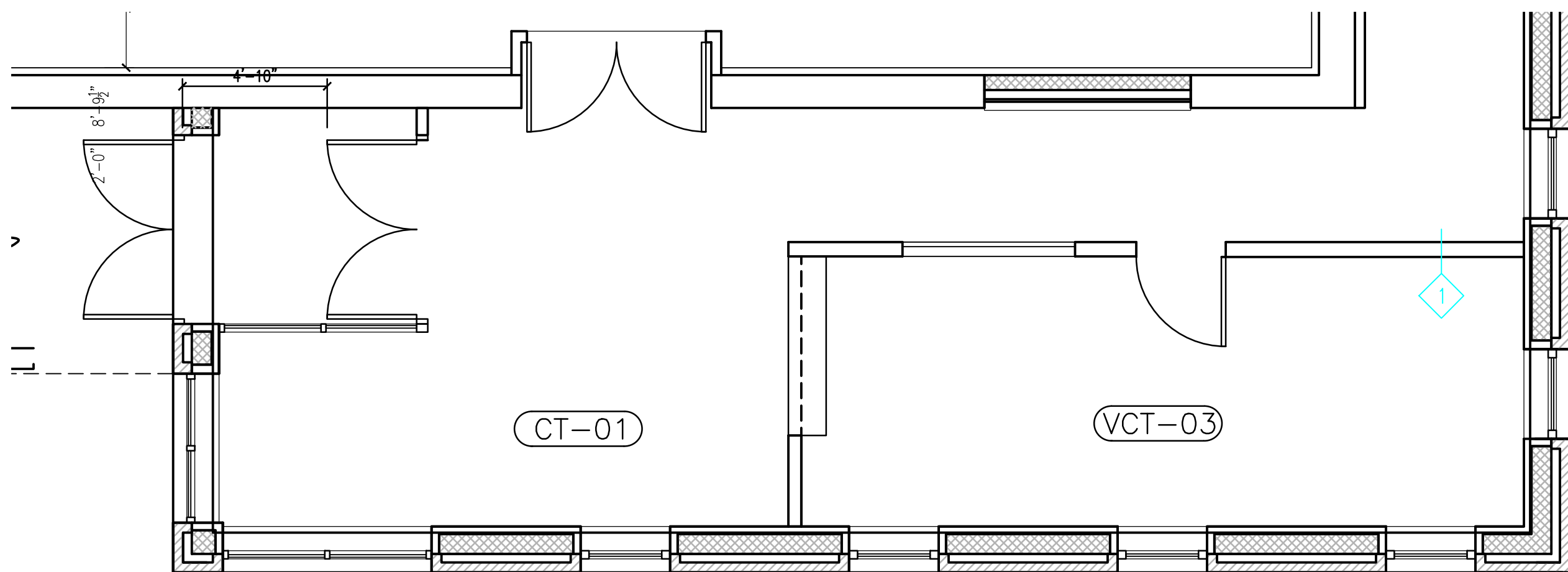
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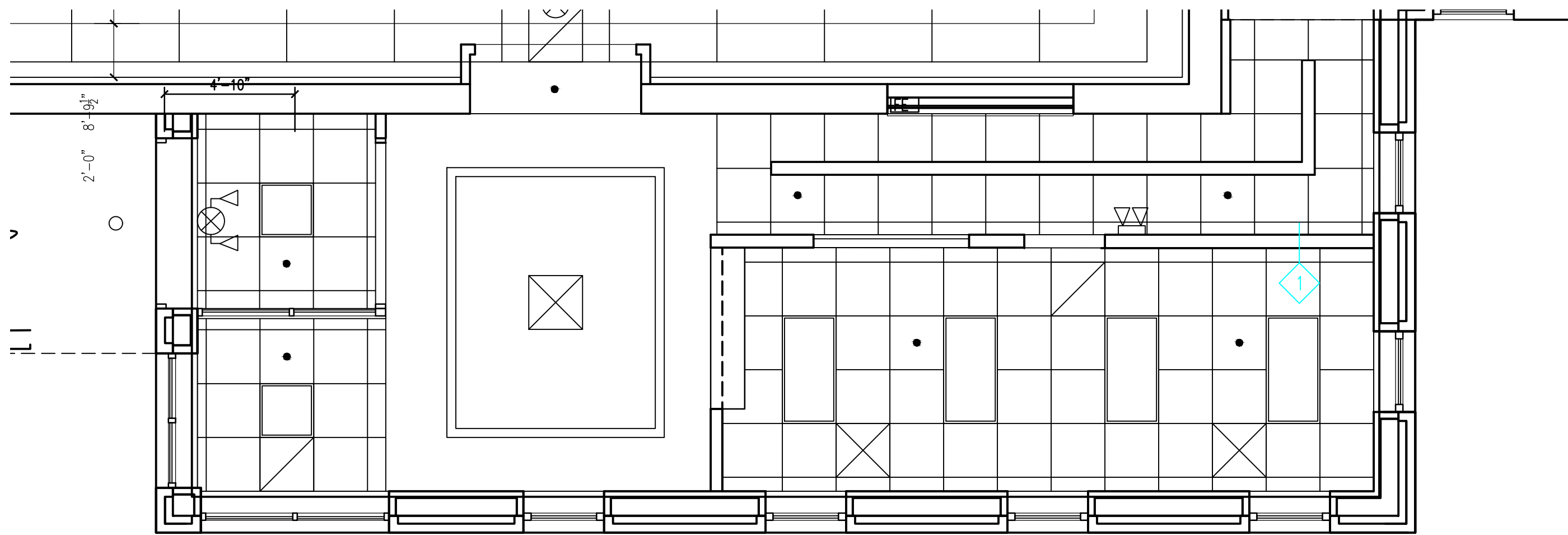
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A-502

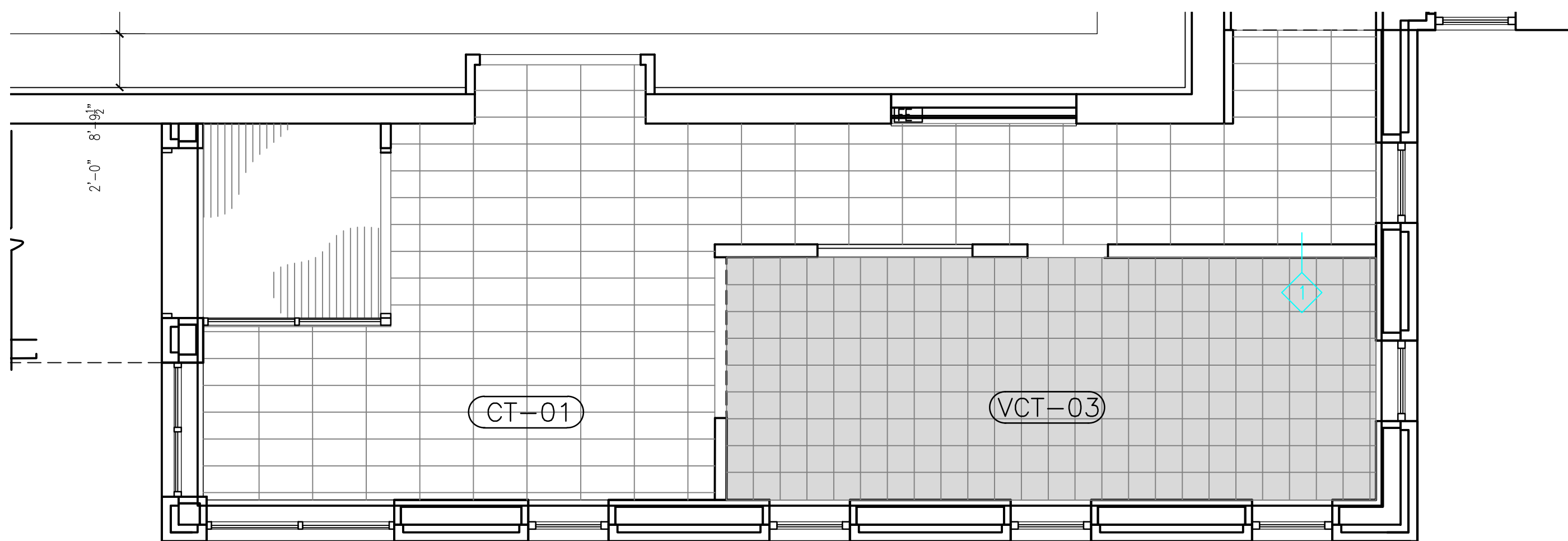




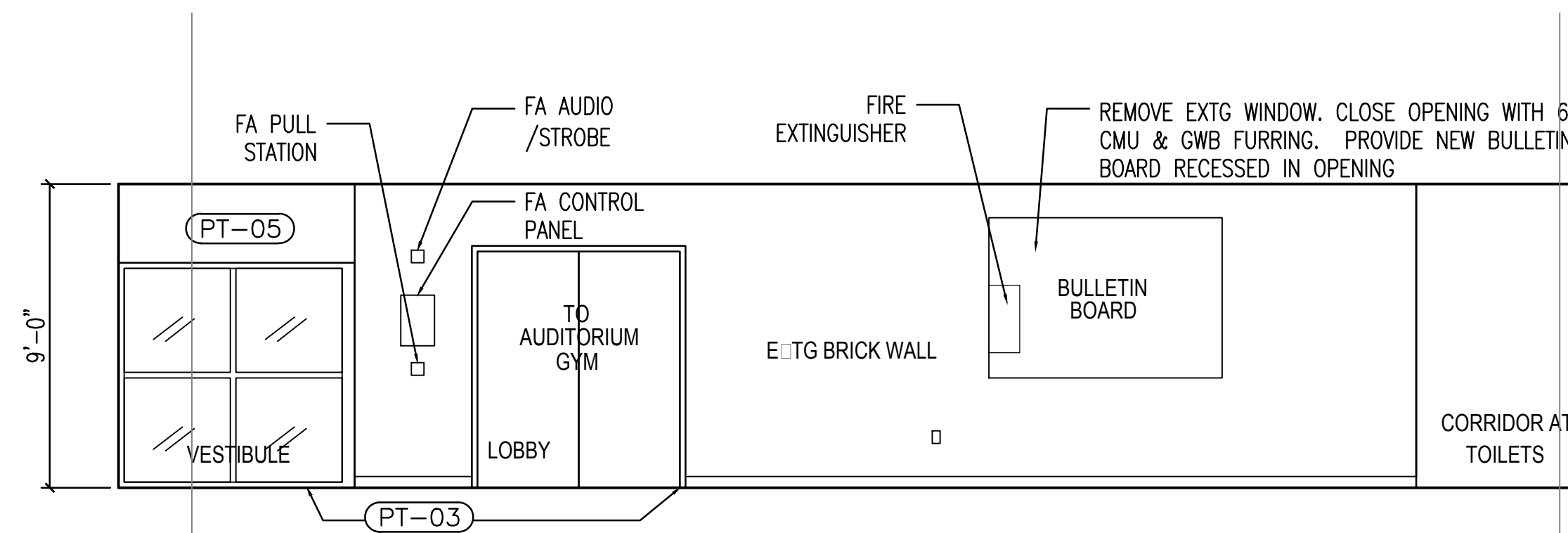
**A** VESTIBULE LOBBY FRONT OFFICE FLOOR PLAN  
1/4" = 1'-0"



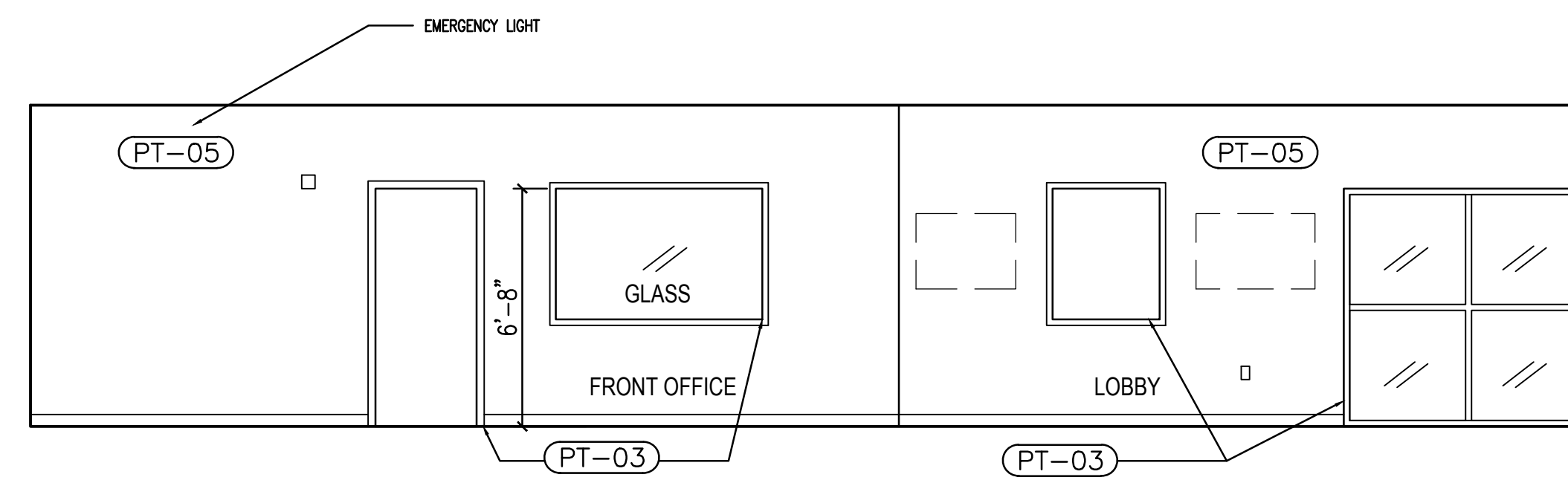
**B** REFLECTED CEILING PLAN  
1/4" = 1'-0"



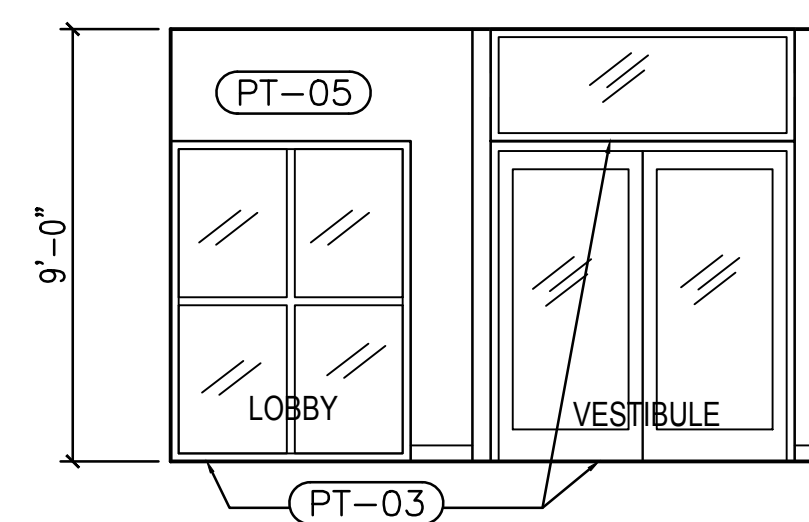
**C** FLOOR TILE PLAN  
1/4" = 1'-0"



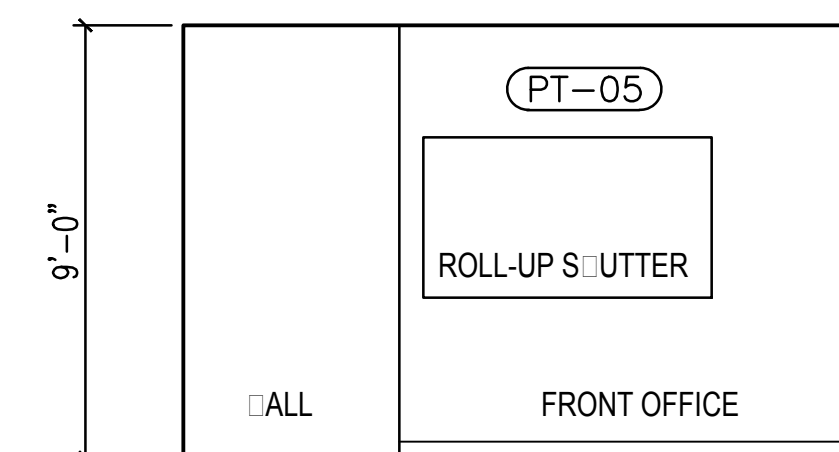
**D** LOBBY ELEVATION: EAST WALL  
1/4" = 1'-0"



**E** LOBBY ELEVATION: WEST WALL  
1/4" = 1'-0"



**F** VESTIBULE ELEVATION: NORTH WALL  
1/4" = 1'-0"



**G** FRONT OFFICE ELEVATION: SOUTH WALL  
1/4" = 1'-0"

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CENTER**

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VESTIBULE-LOBBY

Scale: As noted Drawing No.:

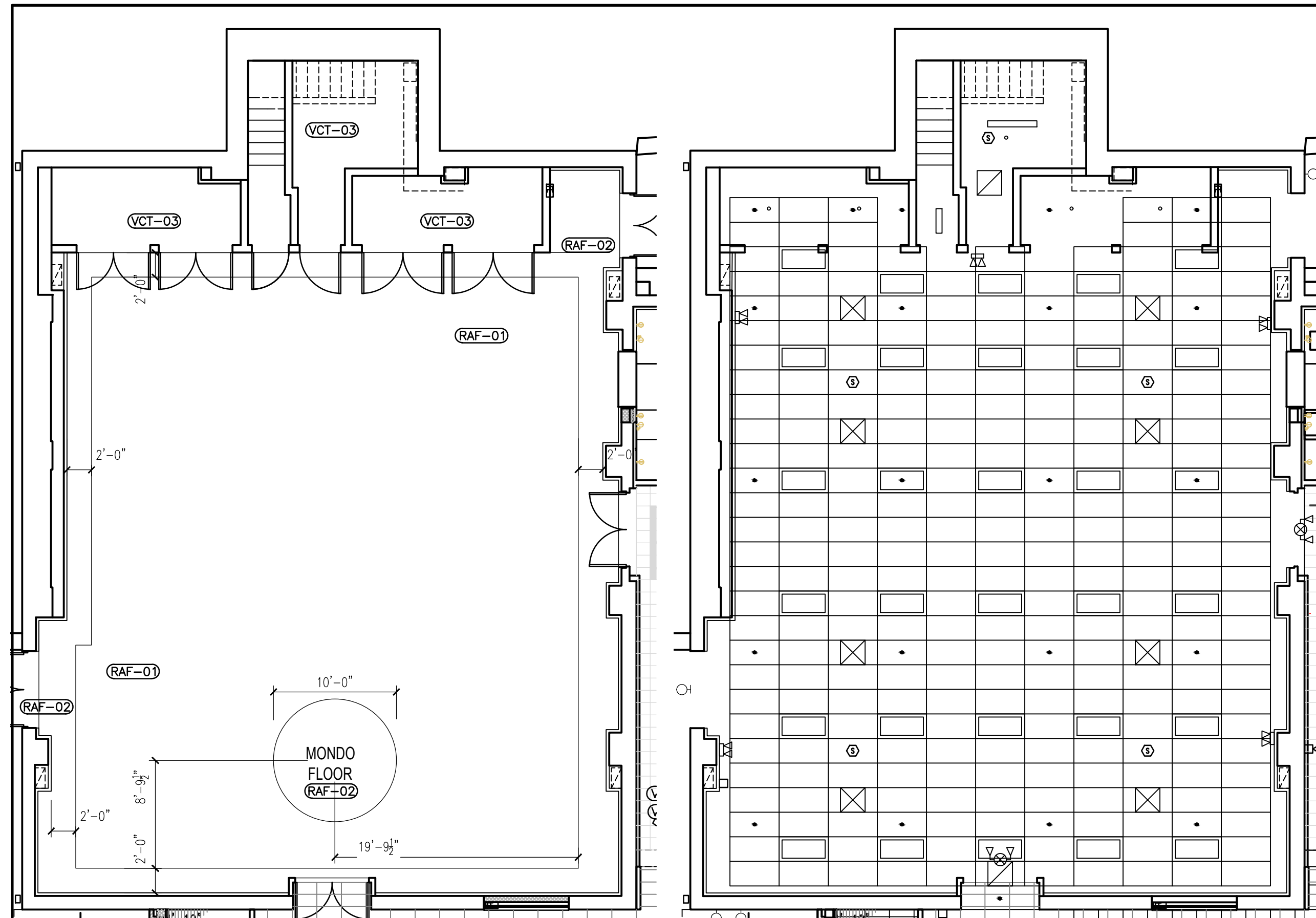
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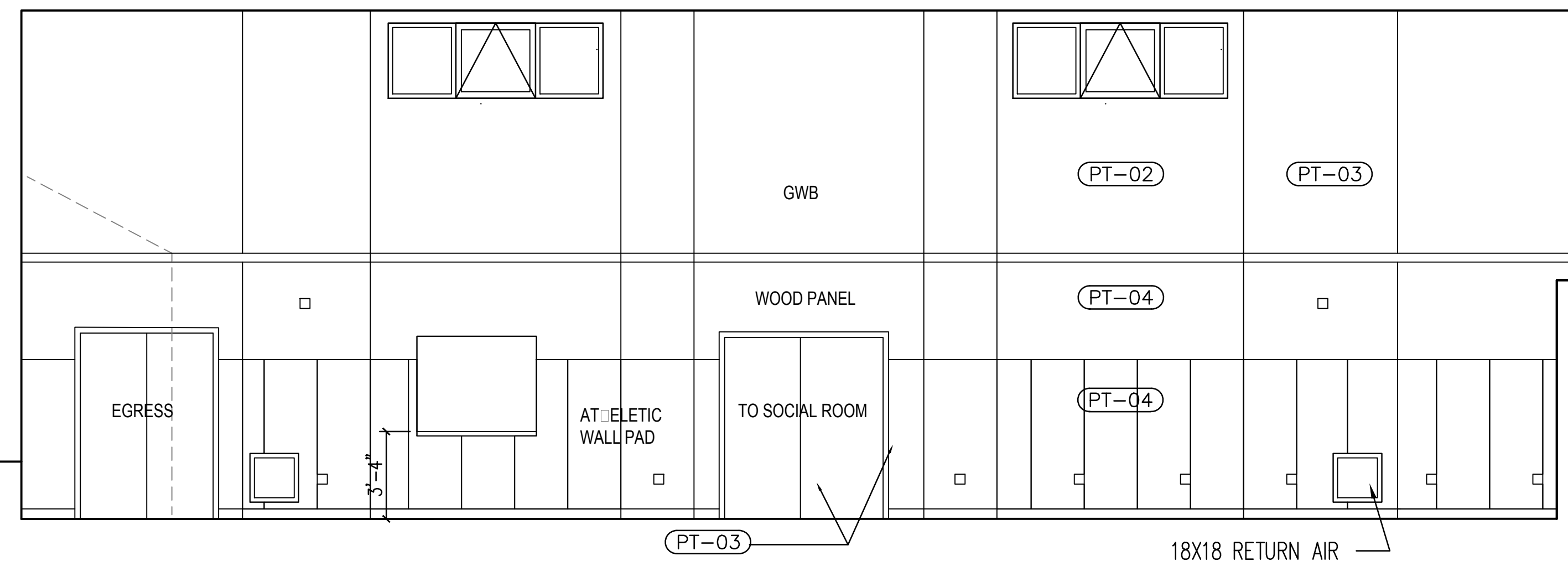
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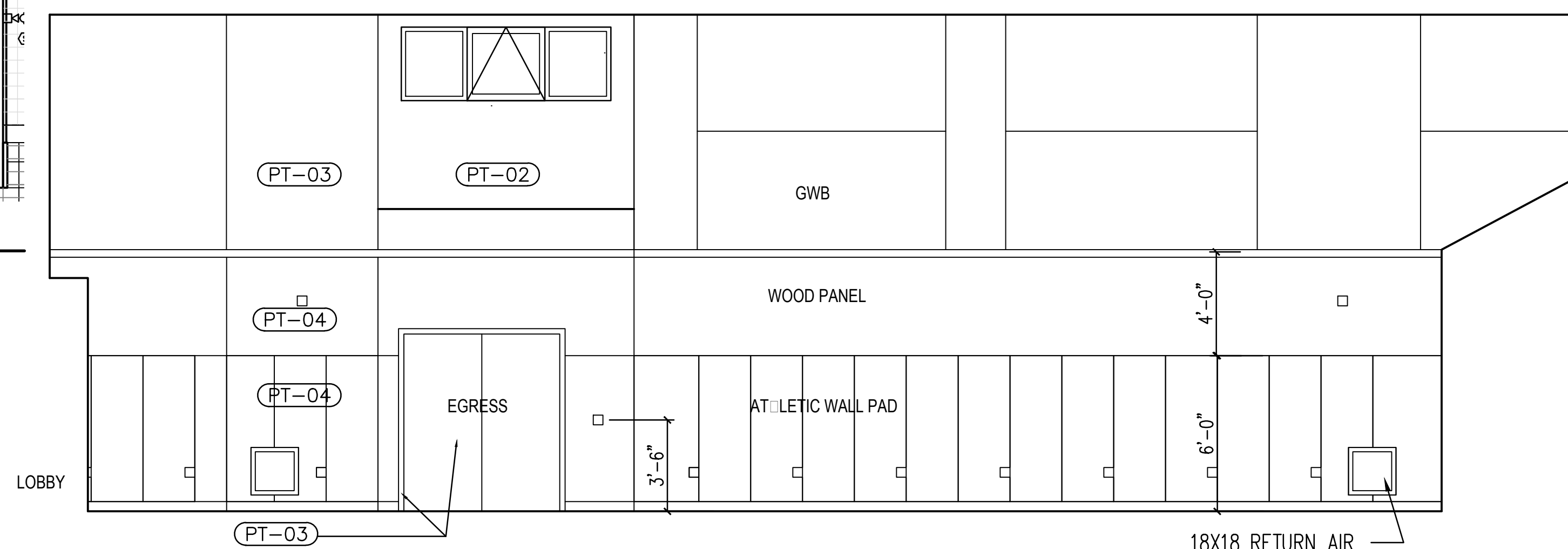


**A** AUDITORIUM / GYM FLOOR PLAN  
1/8" = 1'-0"

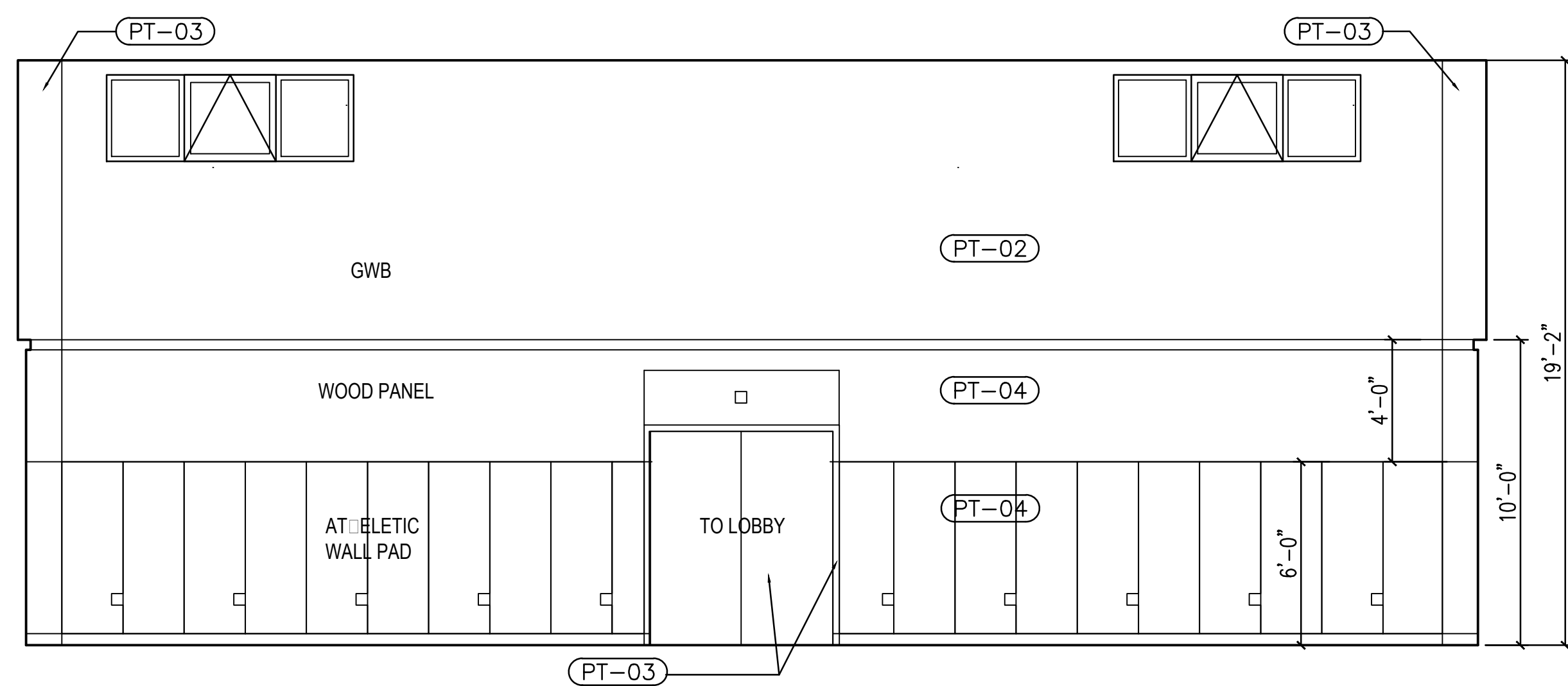
**B** REFLECTED CEILING PLAN  
1/8" = 1'-0"



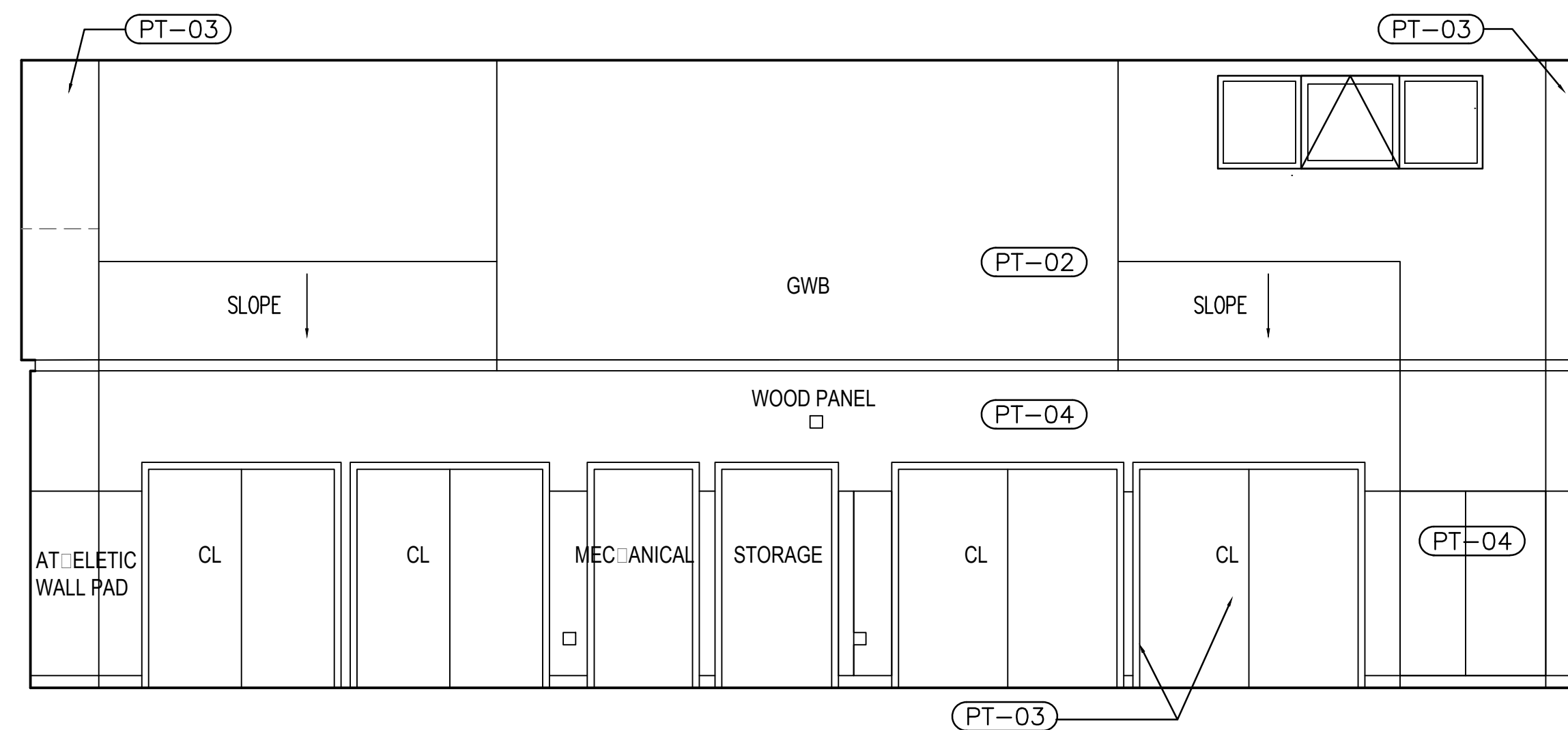
**C** ELEVATION: SOUTH WALL  
1/4" = 1'-0"



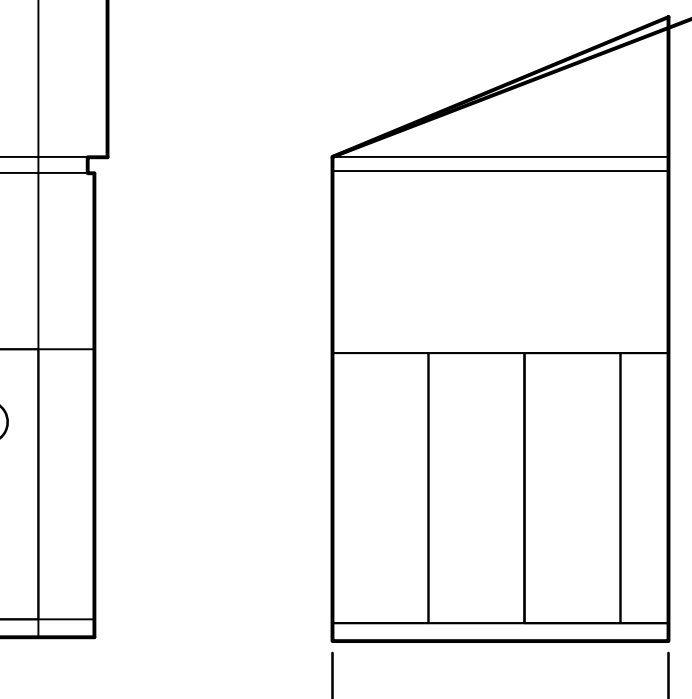
**D** ELEVATION: NORTH WALL  
1/4" = 1'-0"



**E** ELEVATION: WEST WALL  
1/4" = 1'-0"



**F** ELEVATION: EAST WALL  
1/4" = 1'-0"



**G** CLOSET SIDE ELEVATION  
1/4" = 1'-0"

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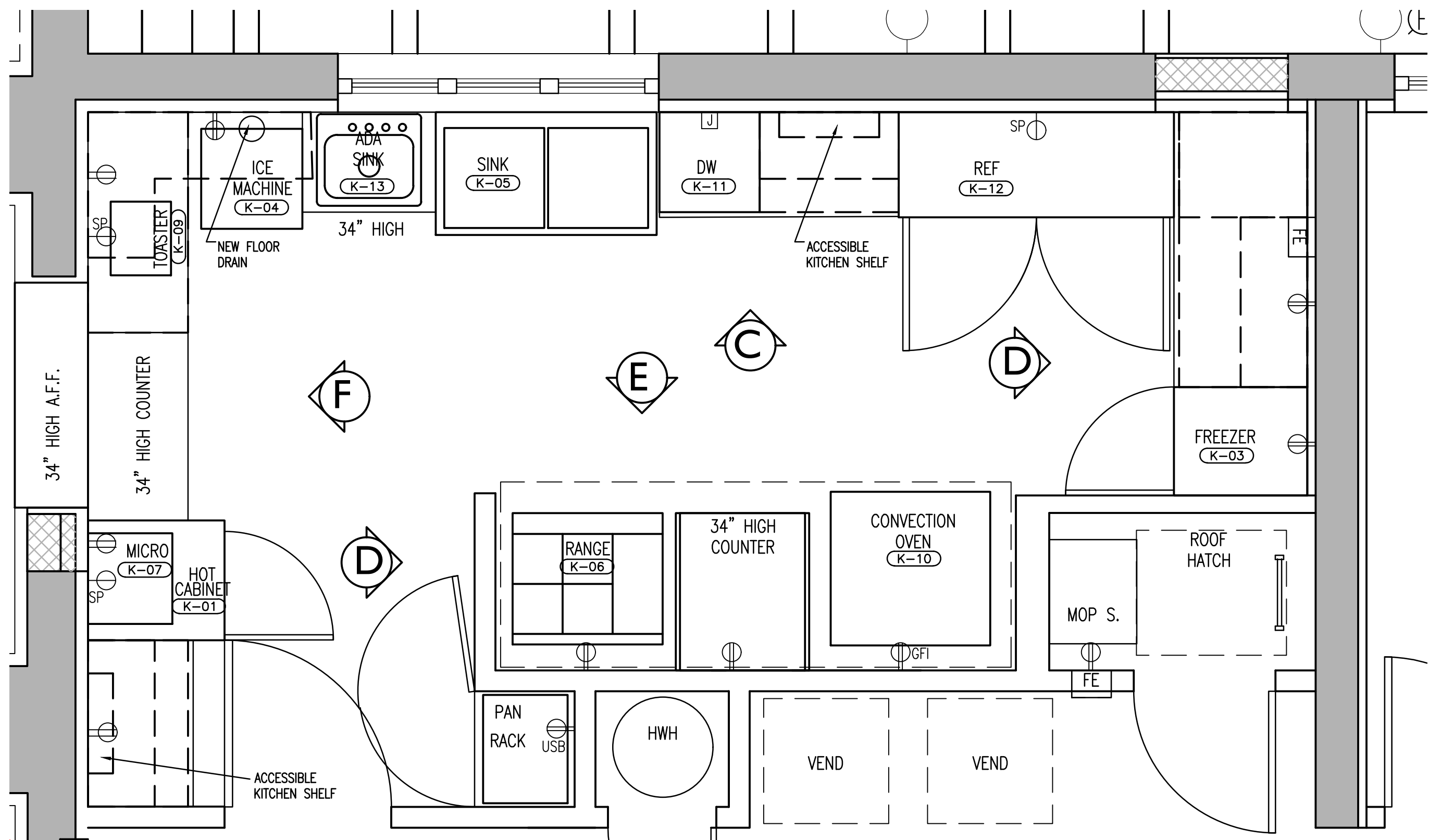
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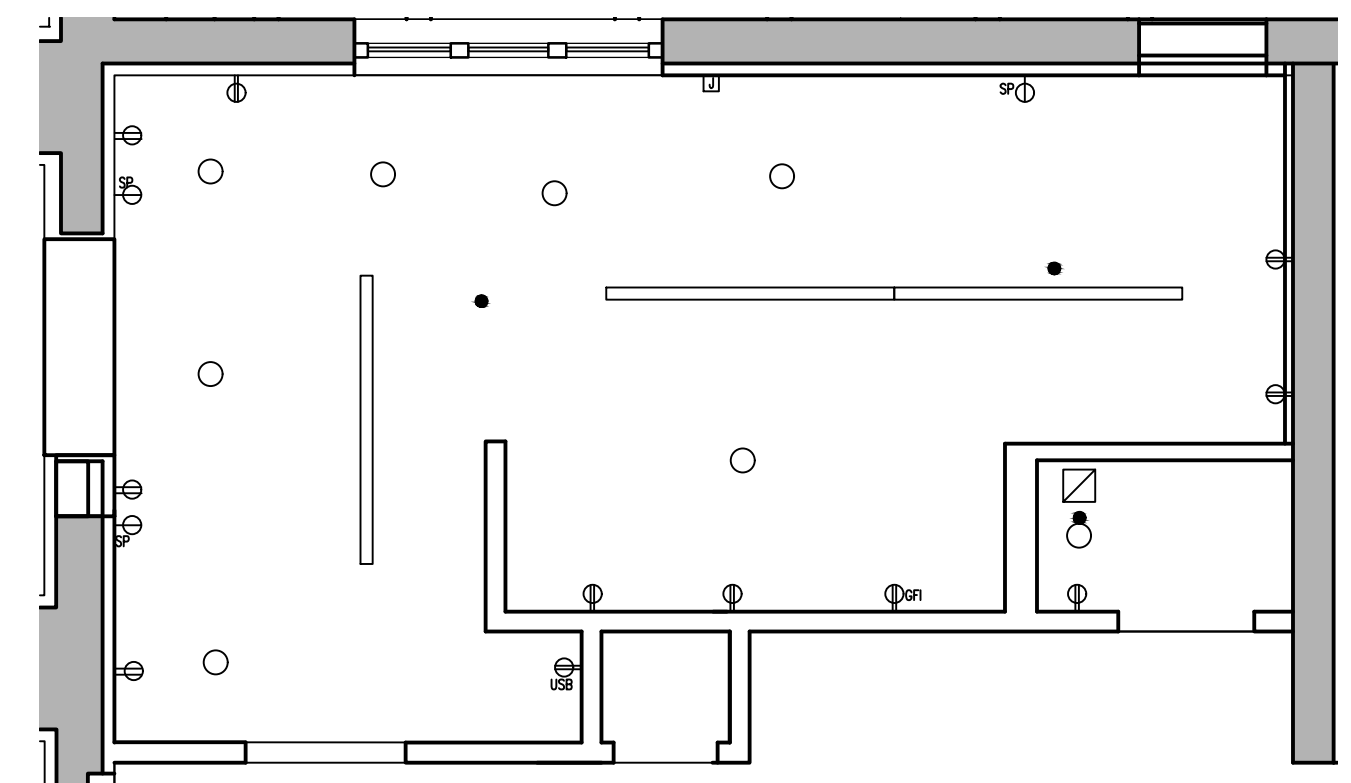
AUDITORIUM / GYM

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S.J.L. Proj: EC



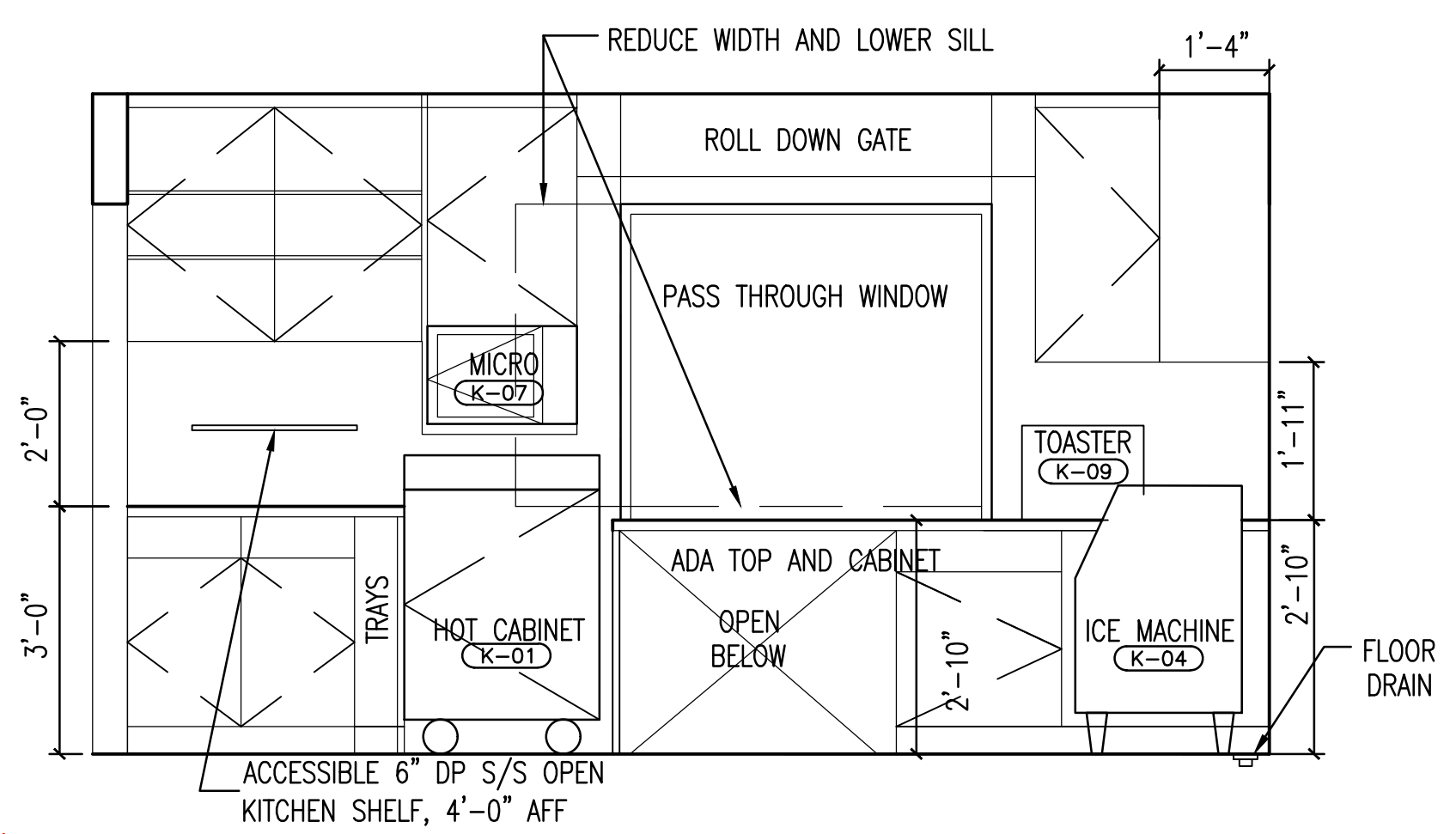


**A** KITCHEN FLOOR/JANITOR CLOSET PLAN  
1/2" = 1'-0"

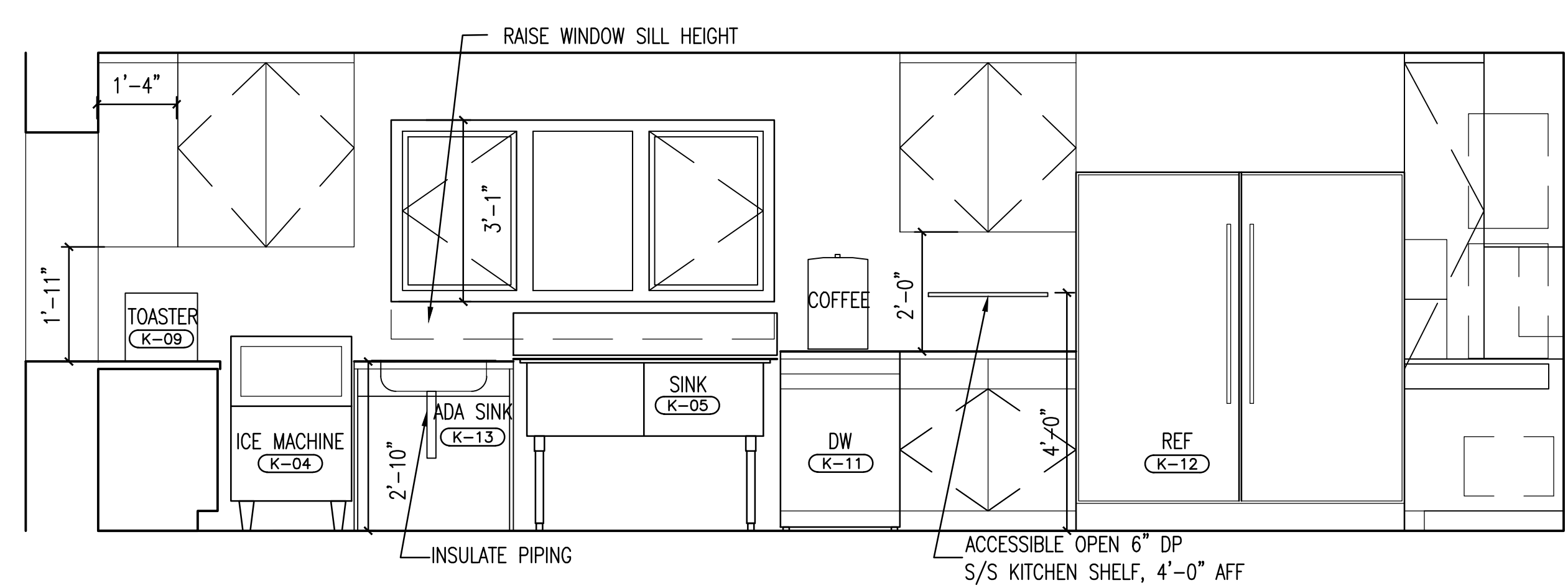


**B** KITCHEN/JANITORS CL. REFLECTED CEILING PLAN  
1/4" = 1'-0"

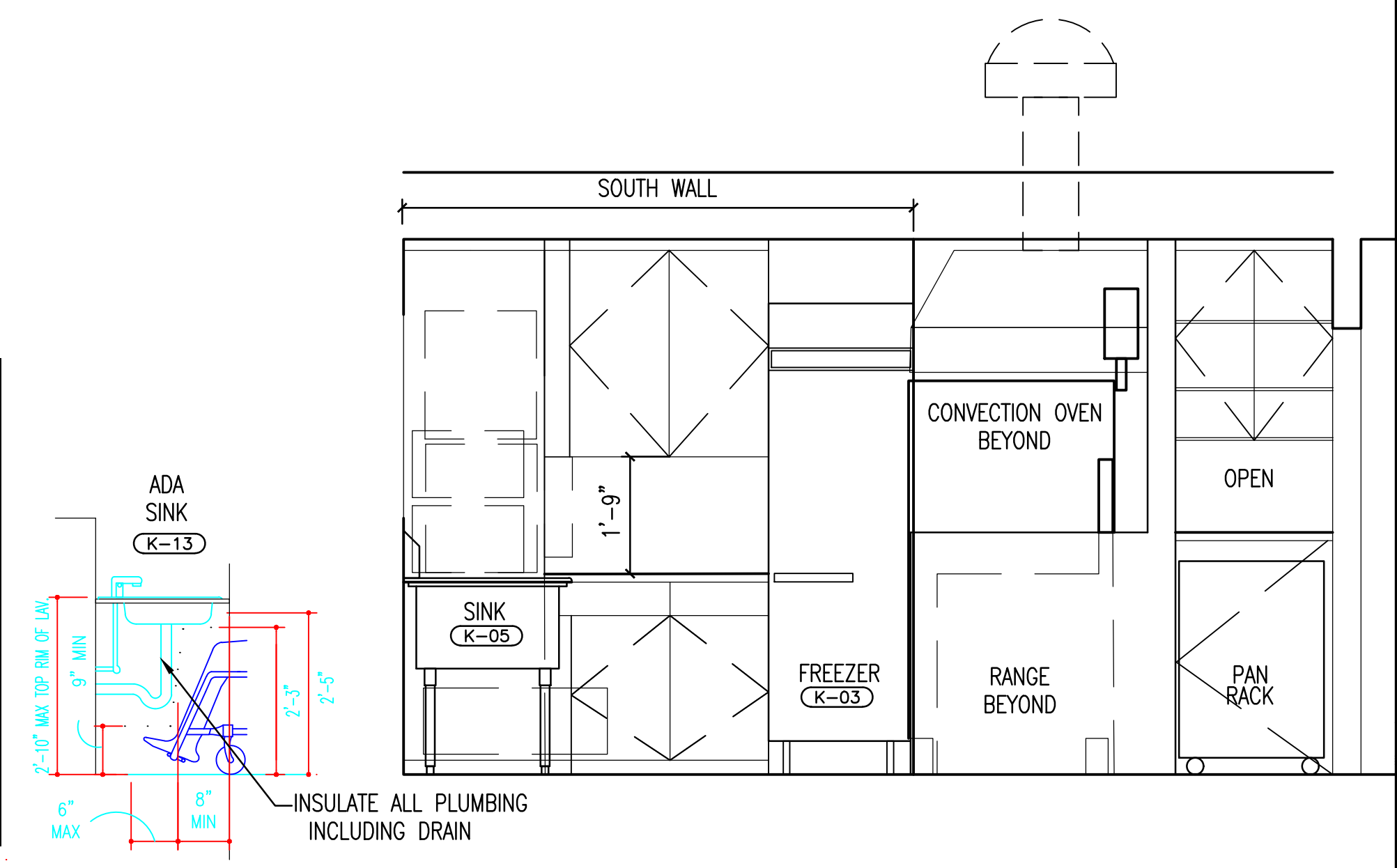
KITCHEN EQUIPMENT SCHEDULE				
TAG	ITEM	DESCRIPTION	MANUFACTURER	MODEL NO.
K-01	Insulated Hot Cabinet	Hot cabinet keep foods warm	Cres Cor	H-137-SUA-6D
K-02	Steam table	3 tray table	Delfield	SH-3-NU
K-03	Freezer	Single Door	Beverage Ai	HFPS1-1S
K-04	Ice machine	400 lb Flake Ice	Scotsman	AFE424A-1
K-05	Sink	24"wx24"x14"d, 2 basin	John Boos	E258-24-14L24
K-06	Range	12"Raised Griddle-Broiler	Imperial	IR-4-G12-XB
K-07	microwave	Comm, counter, 1800 watt	Amana	RFS18TS
K-08	[not used]			
K-09	Conveyor Toaster	5 slice capacity	Hatco	TQ-10-120-QS
K-10	Convection Oven	Double-deck extra depth	Blodgett	ZEPHAIREEEDBL
K-11	Dishwasher	High Temp, undercounter	Jet-Tech	F-18DP
K-12	Refrigerator	Double Door	Frigidaire	FPRU19F8RF
K-13	Sink	Accessible Sink- top mount	Kohler	K-4011-4



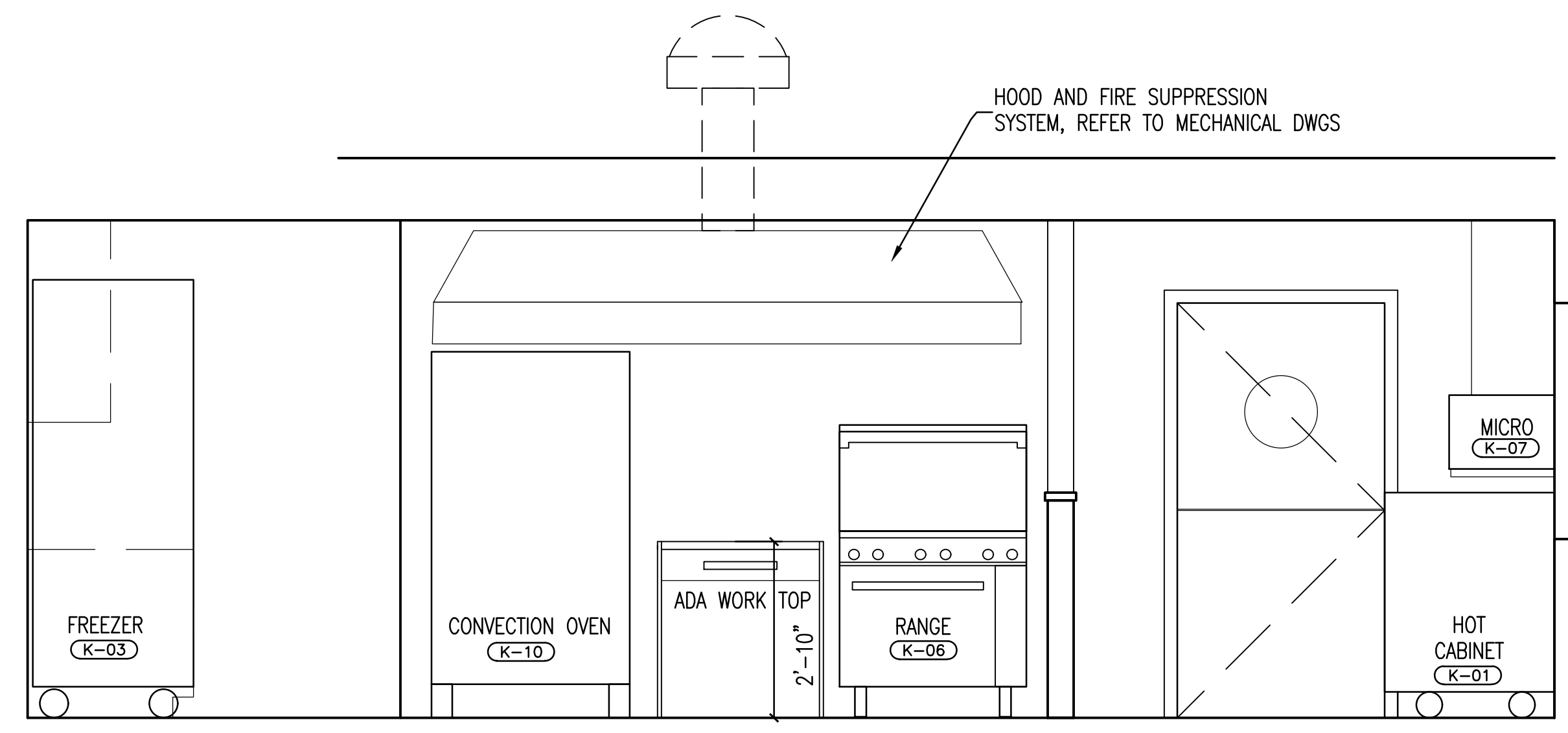
**F** KITCHEN ELEVATION: NORTH WALL  
1/2" = 1'-0"



**C** KITCHEN ELEVATION: EAST WALL  
1/2" = 1'-0"



**D** KITCHEN ELEVATION: SOUTH WALLS  
1/2" = 1'-0"



**E** KITCHEN ELEVATION: WEST WALL  
1/2" = 1'-0"

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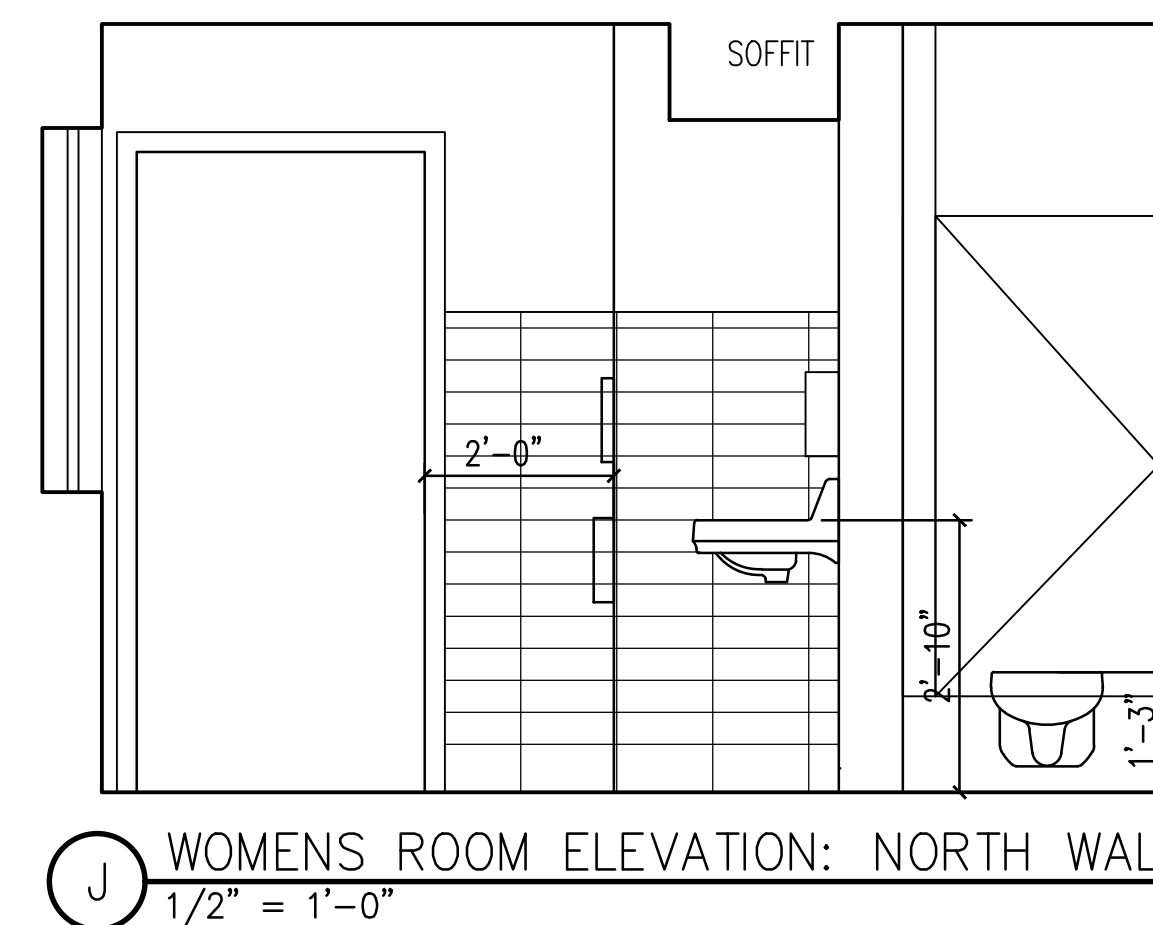
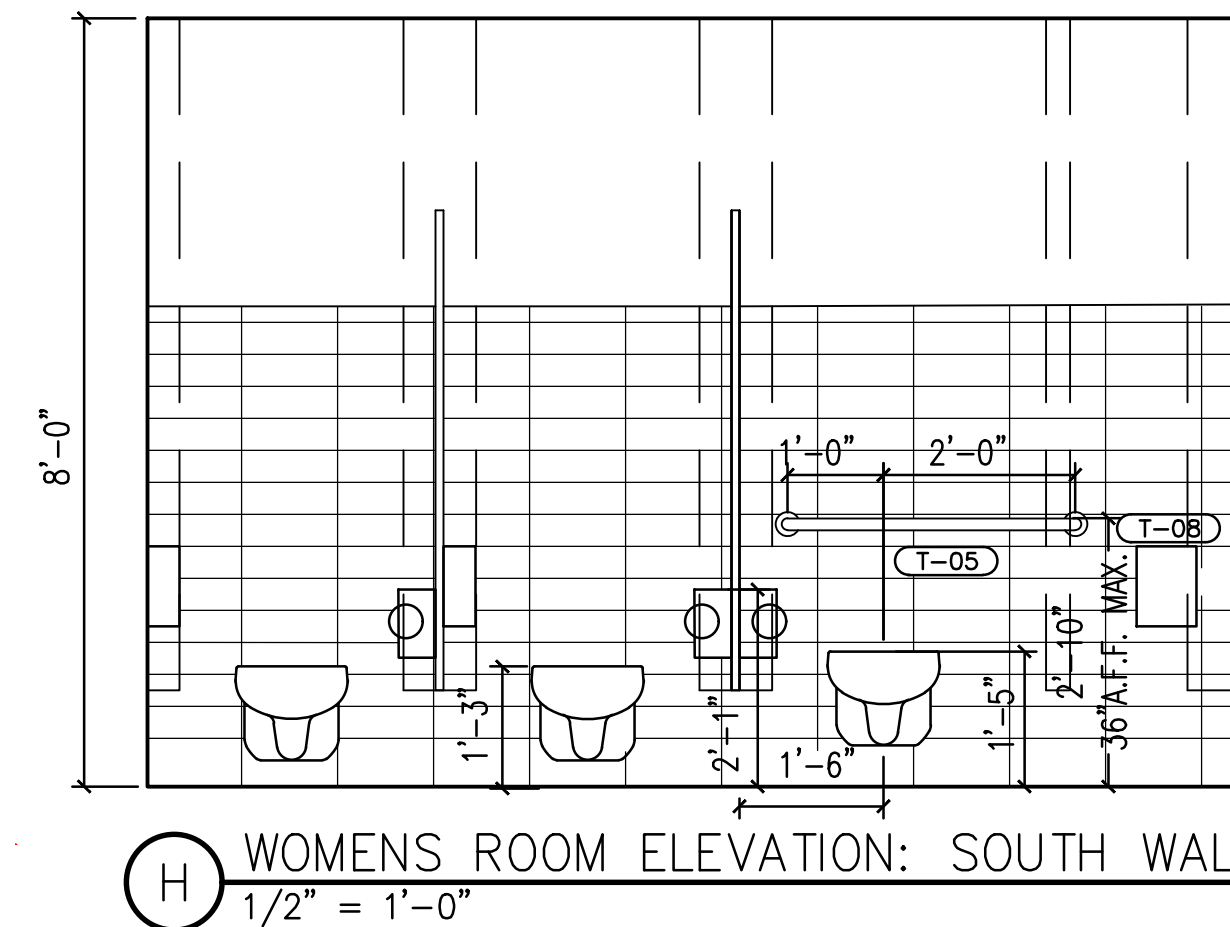
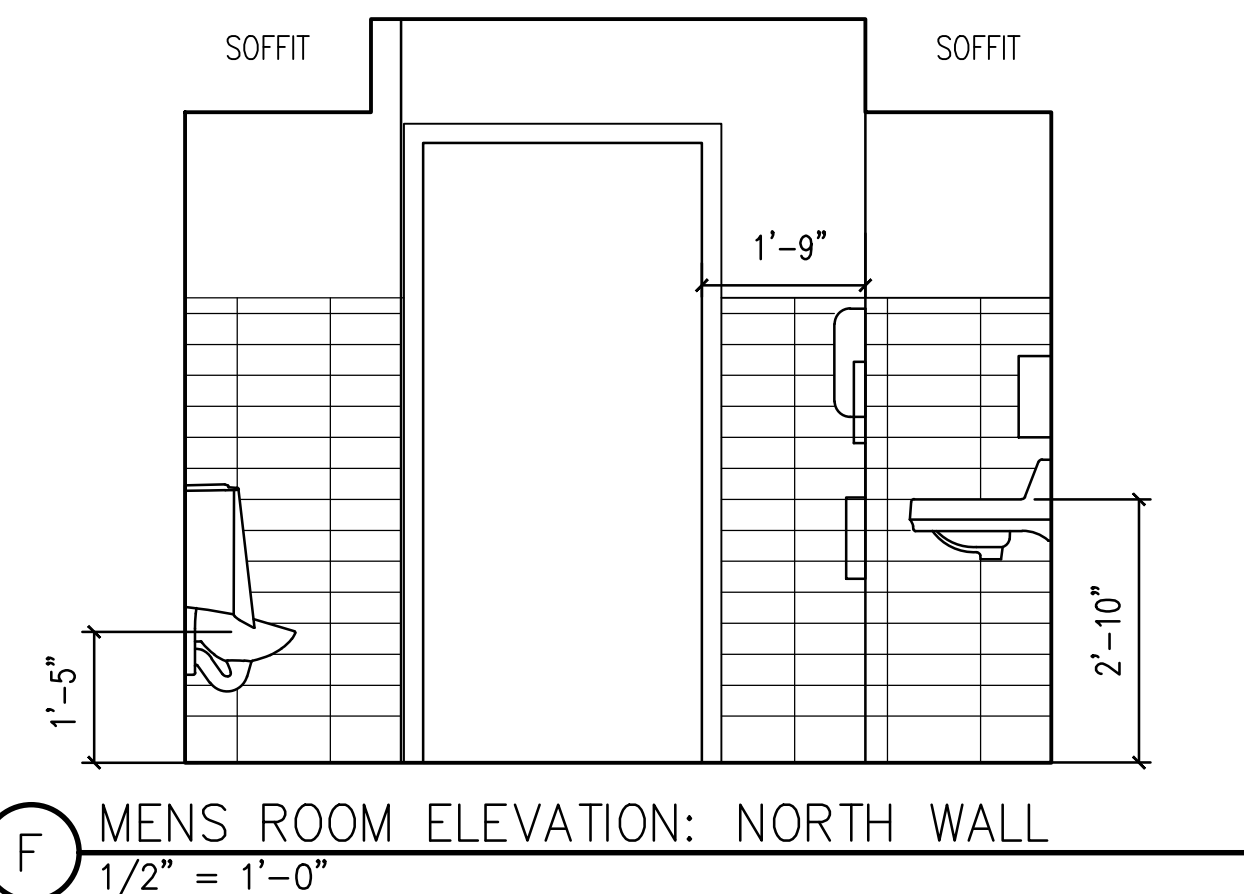
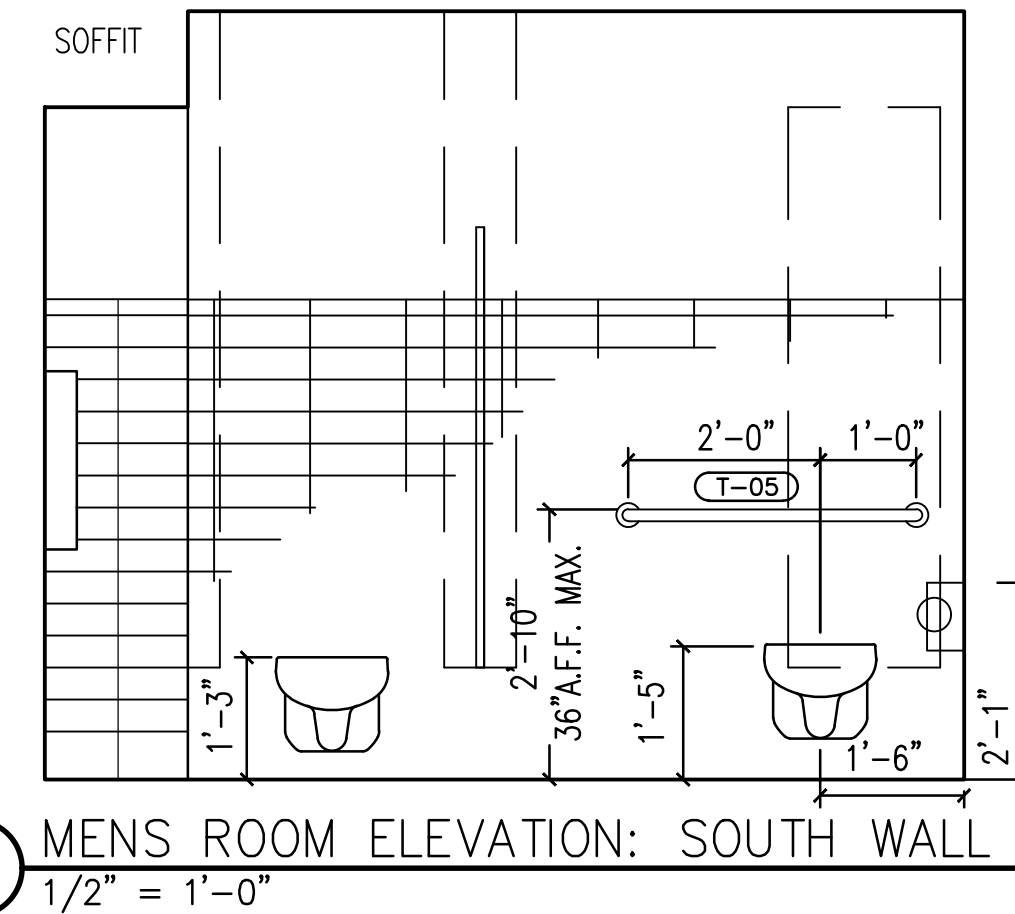
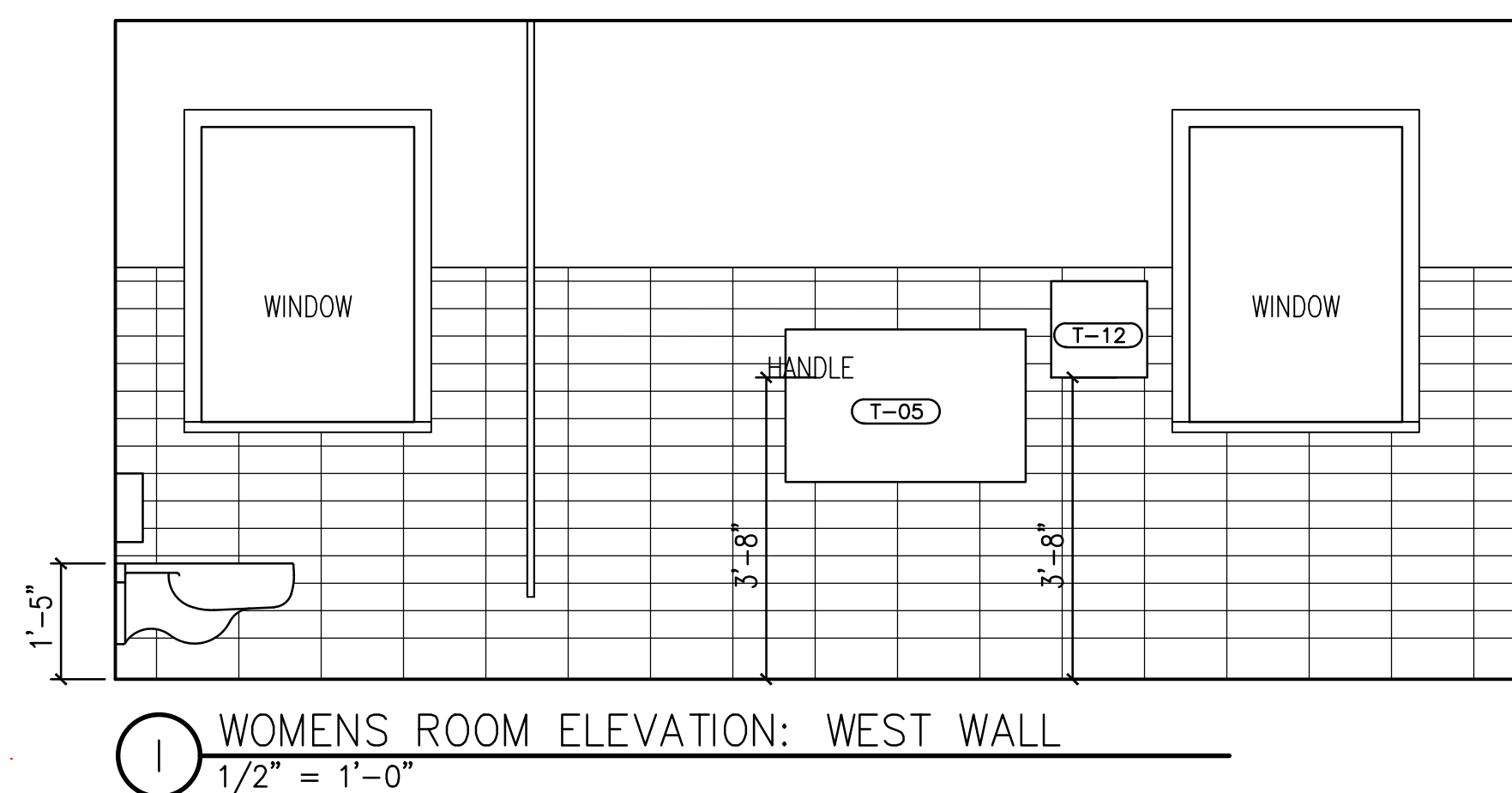
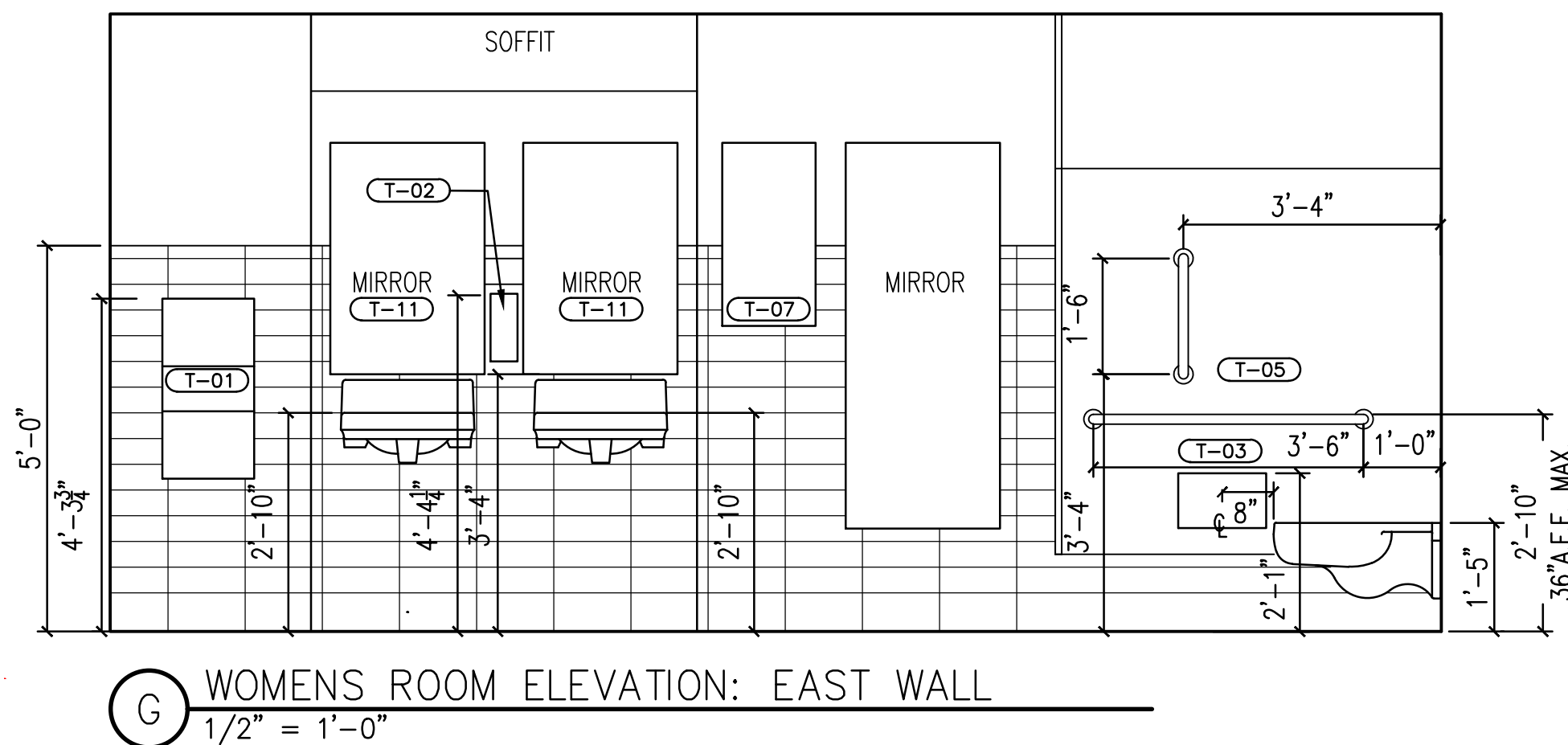
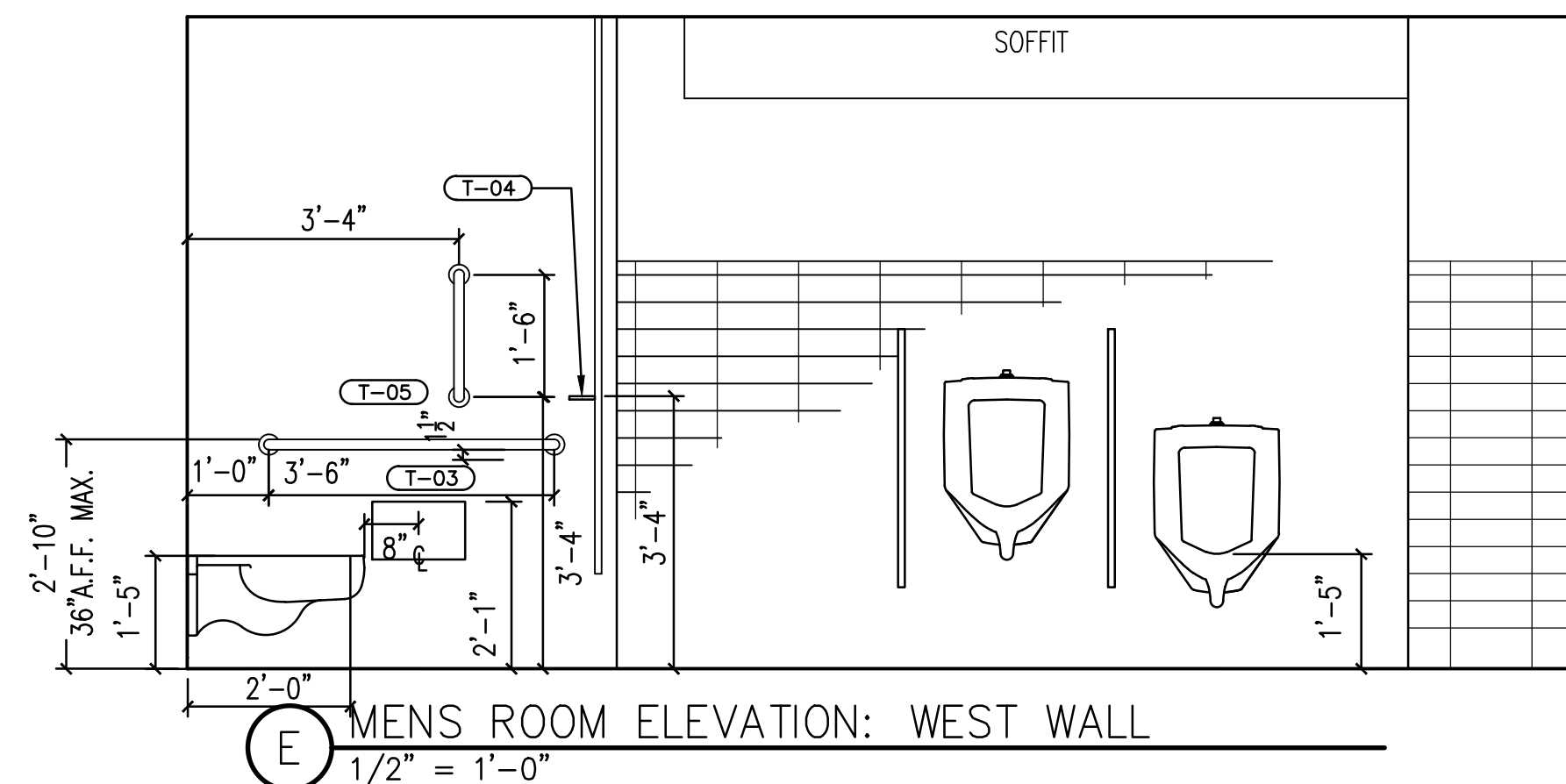
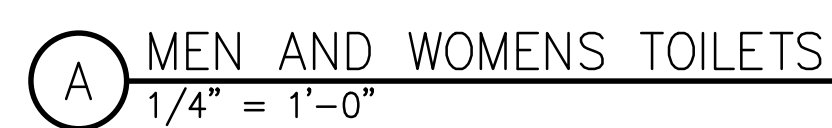
ADDITION AND RENOVATIONS TO  
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KITCHEN

Scale: As noted Drawing No.:  
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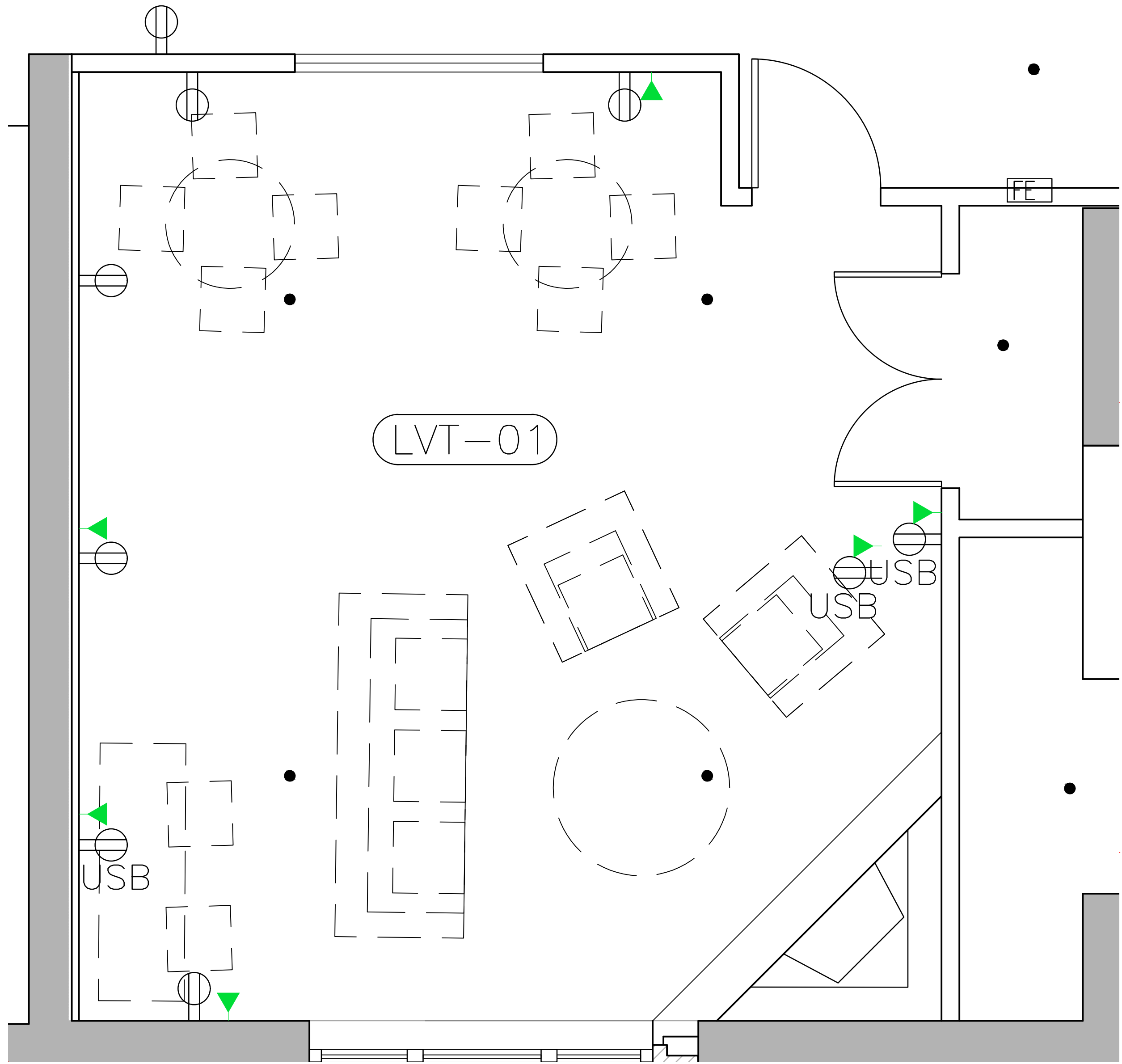
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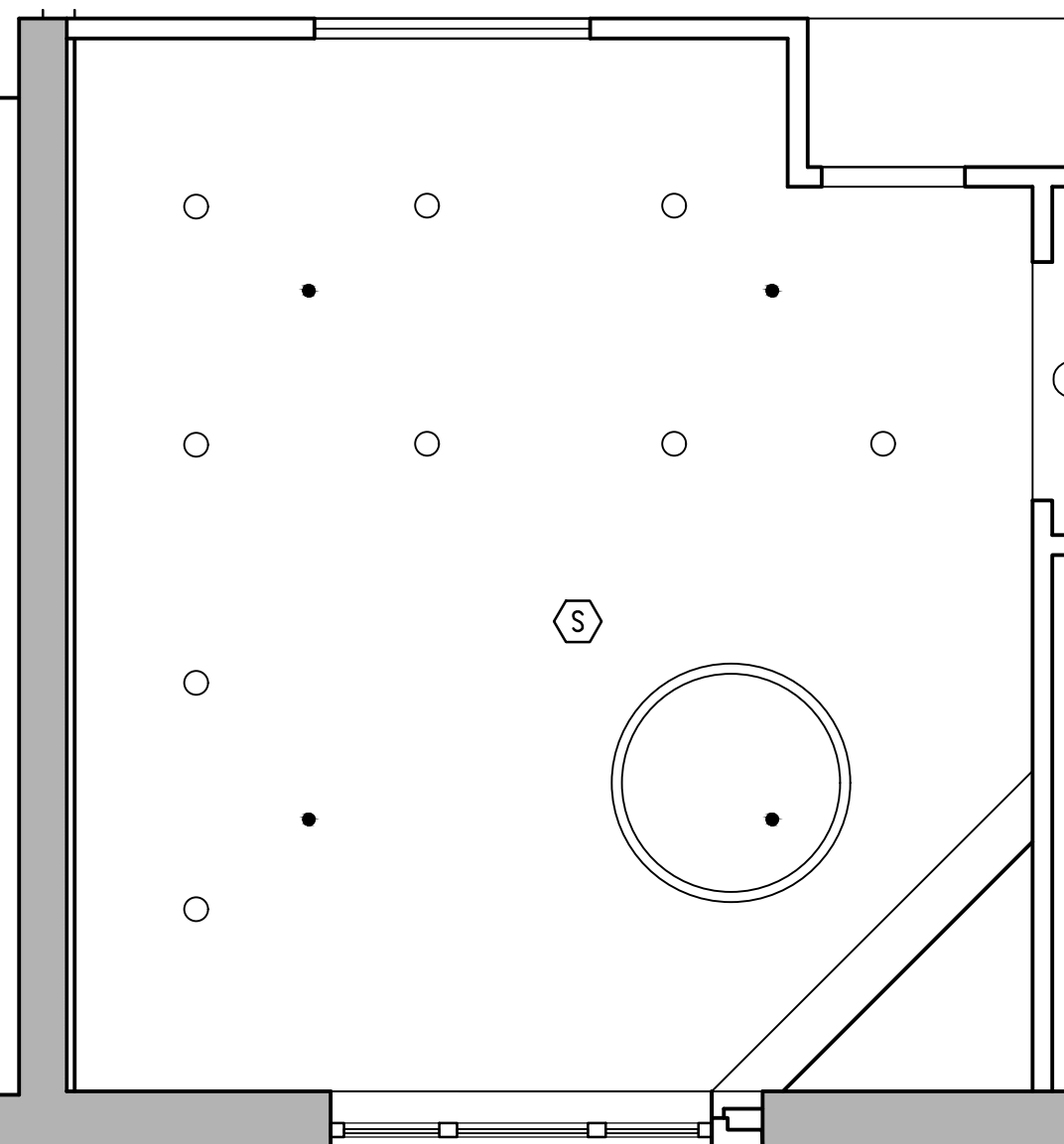


A-704

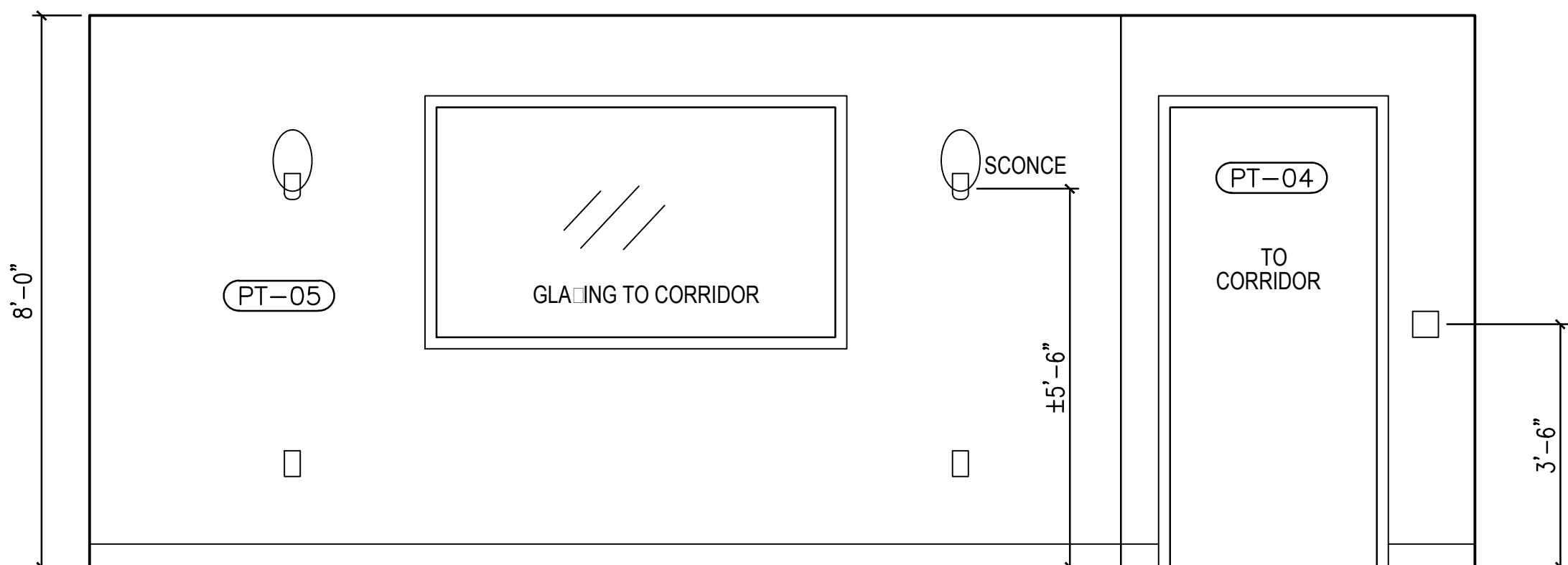




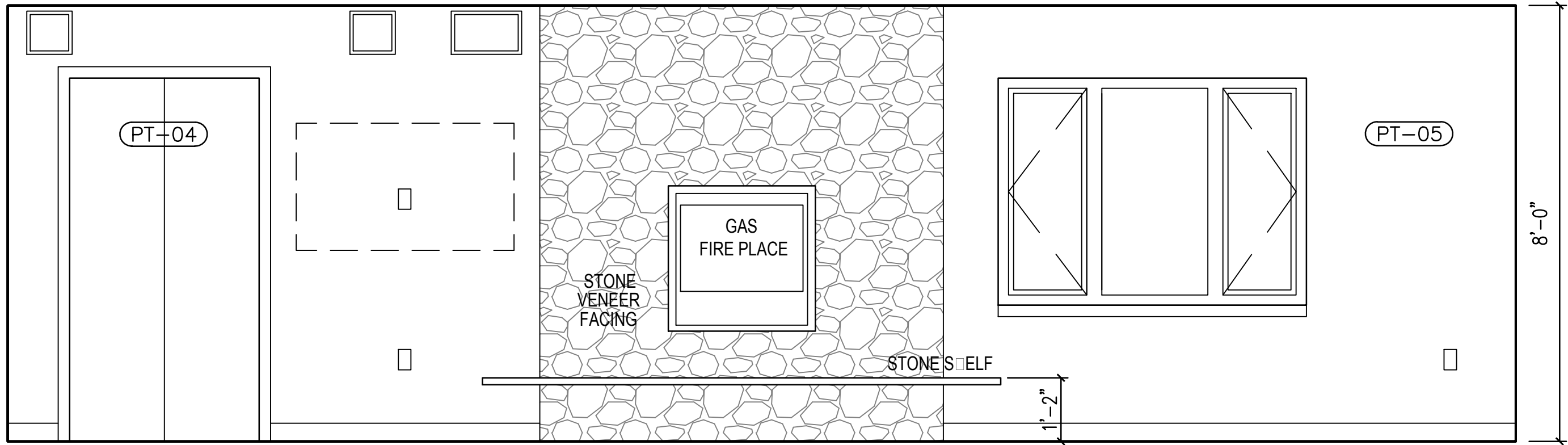
**(A) SENIOR LOUNGE PLAN**  
1/2" = 1'-0"



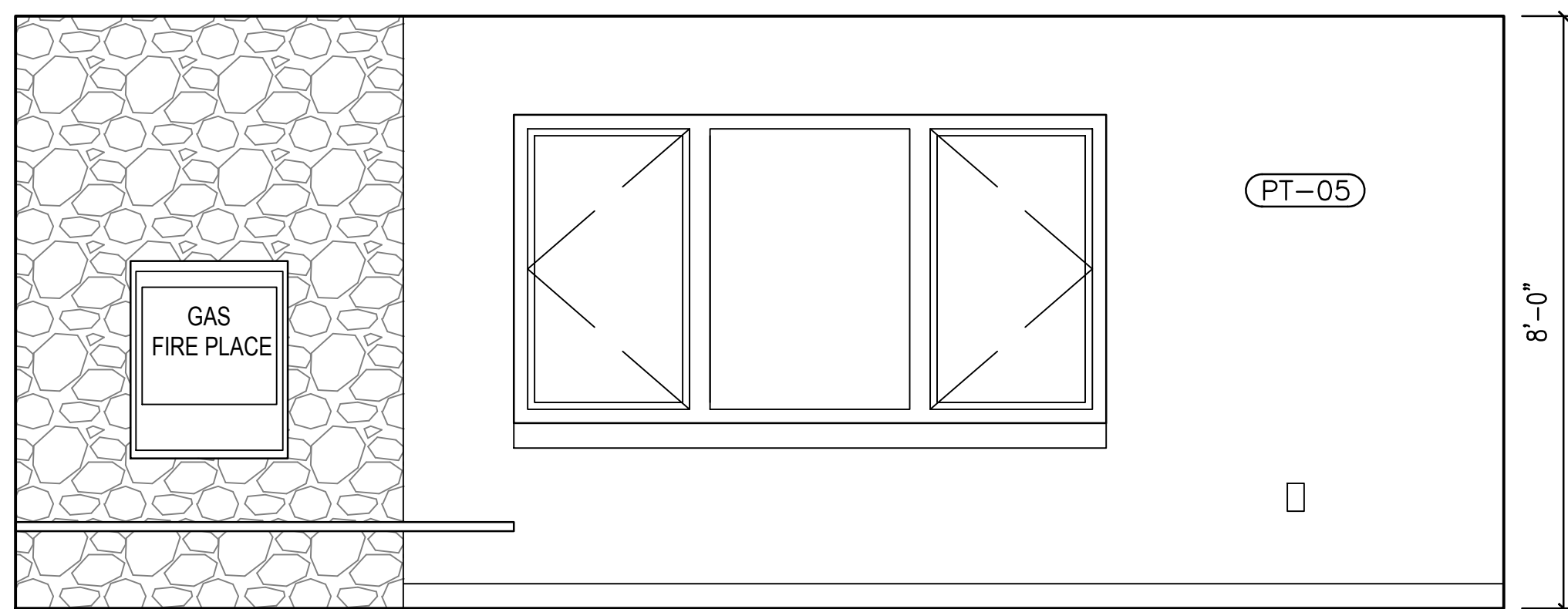
**(B) REFLECTED CEILING PLAN**  
1/4" = 1'-0"



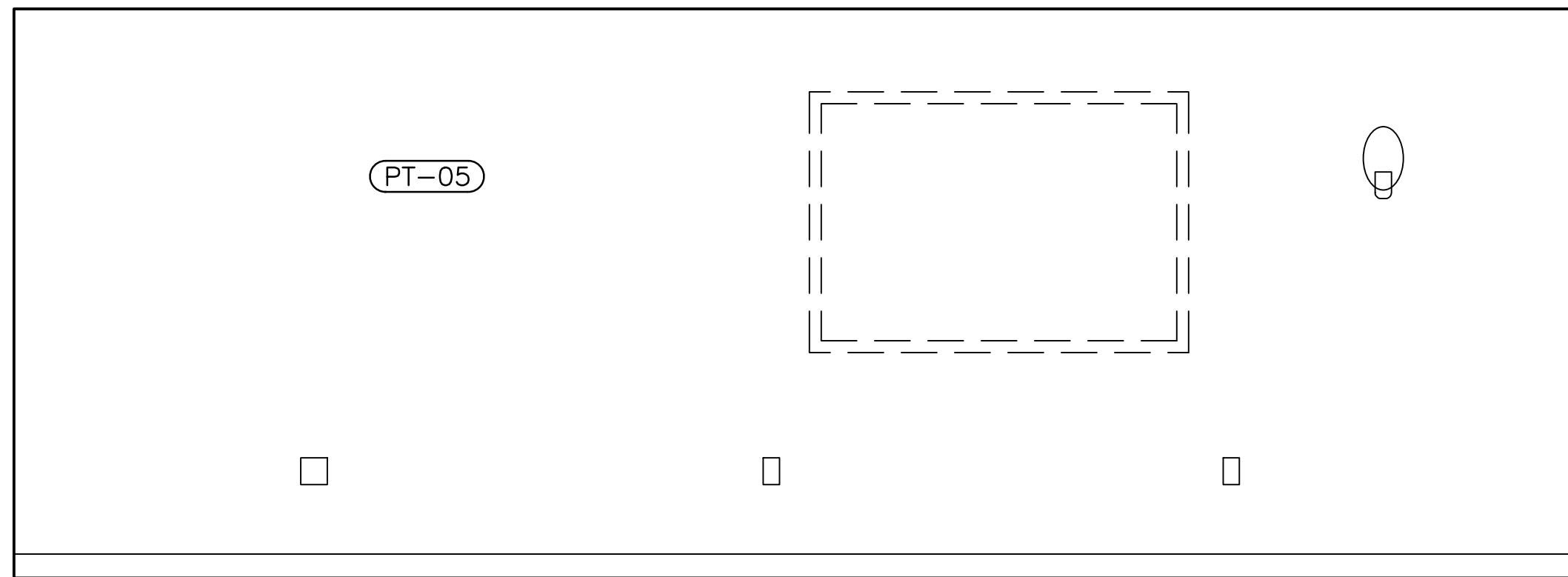
**(F) ELEVATION: EAST WALL**  
1/2" = 1'-0"



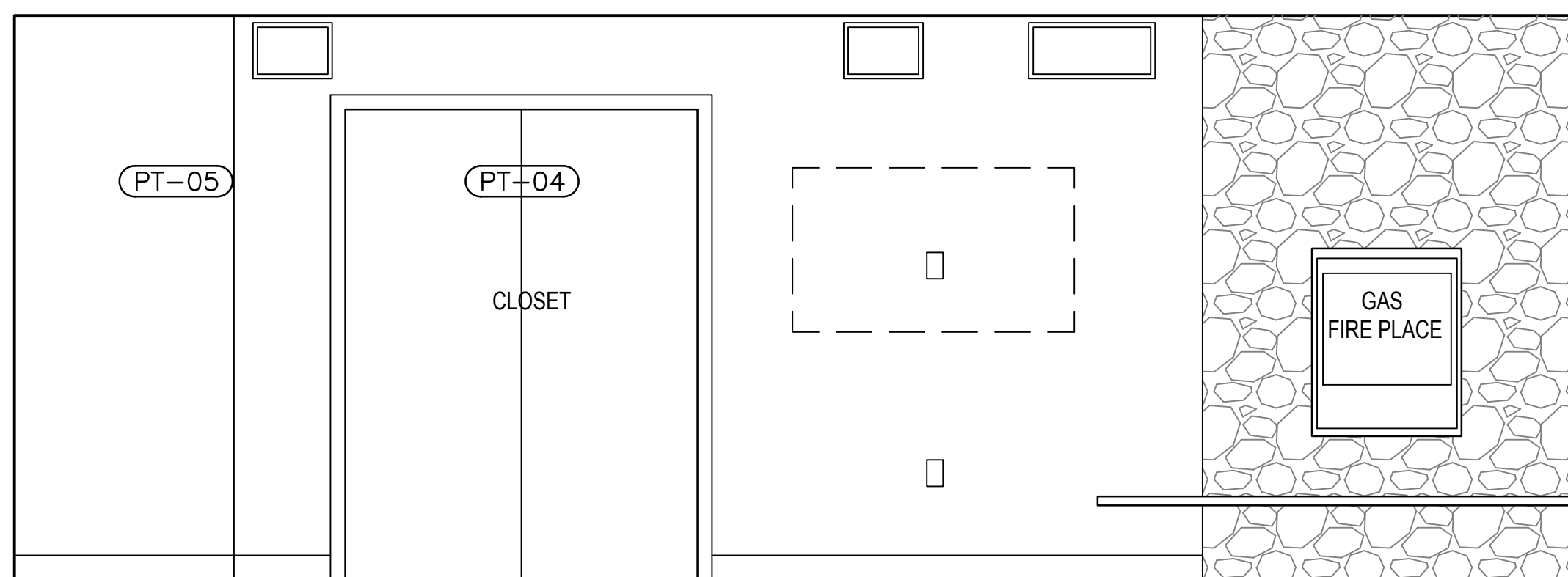
**(C) ELEVATION: SOUTH WEST WALLS**  
1/2" = 1'-0"



**(D) ELEVATION: WEST WALL**  
1/2" = 1'-0"



**(E) ELEVATION: NORTH WALL**  
1/2" = 1'-0"



**(E) ELEVATION: SOUTH WALL**  
1/2" = 1'-0"

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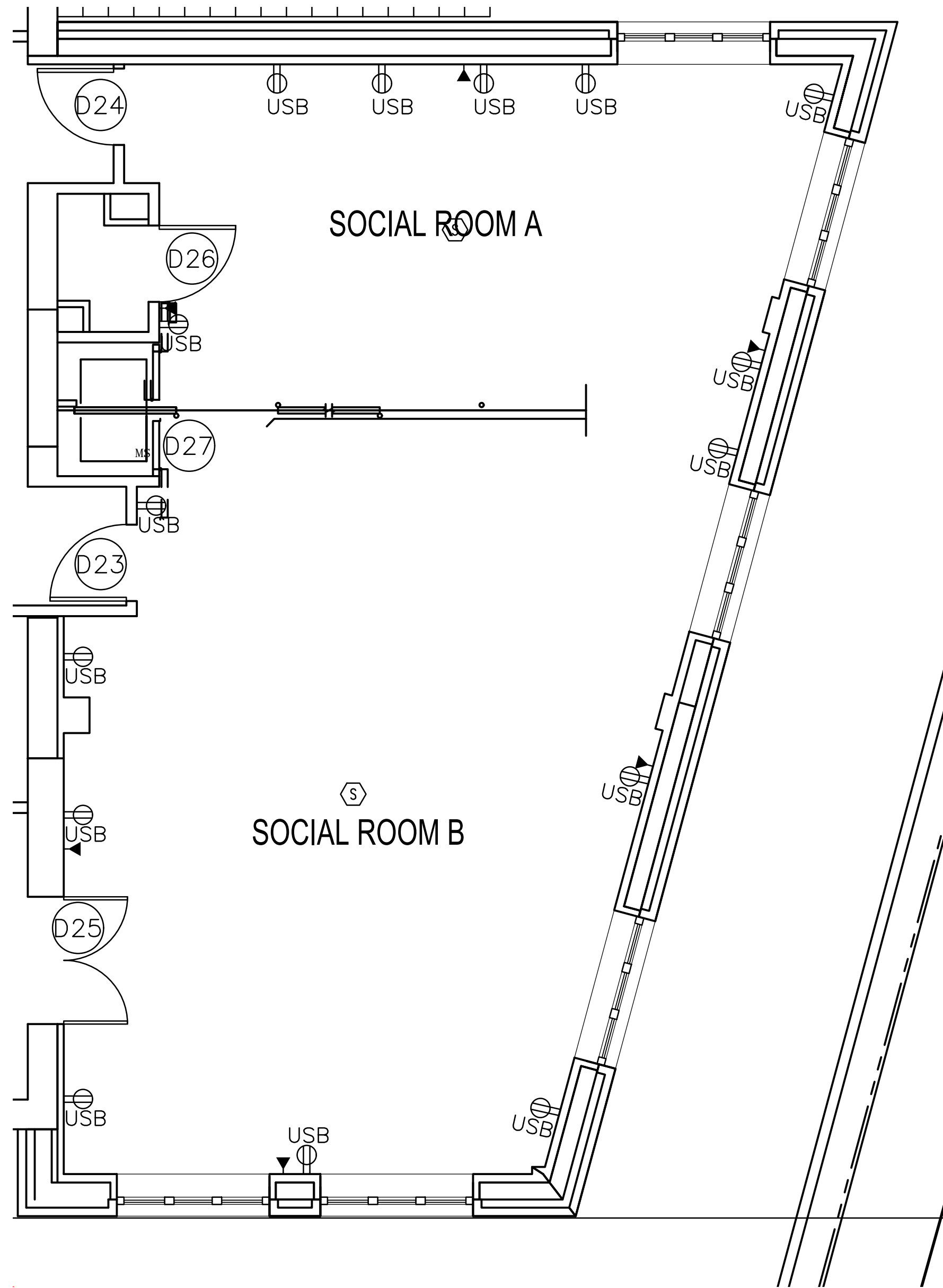
ADDITION AND  
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**SENIOR LOUNGE**

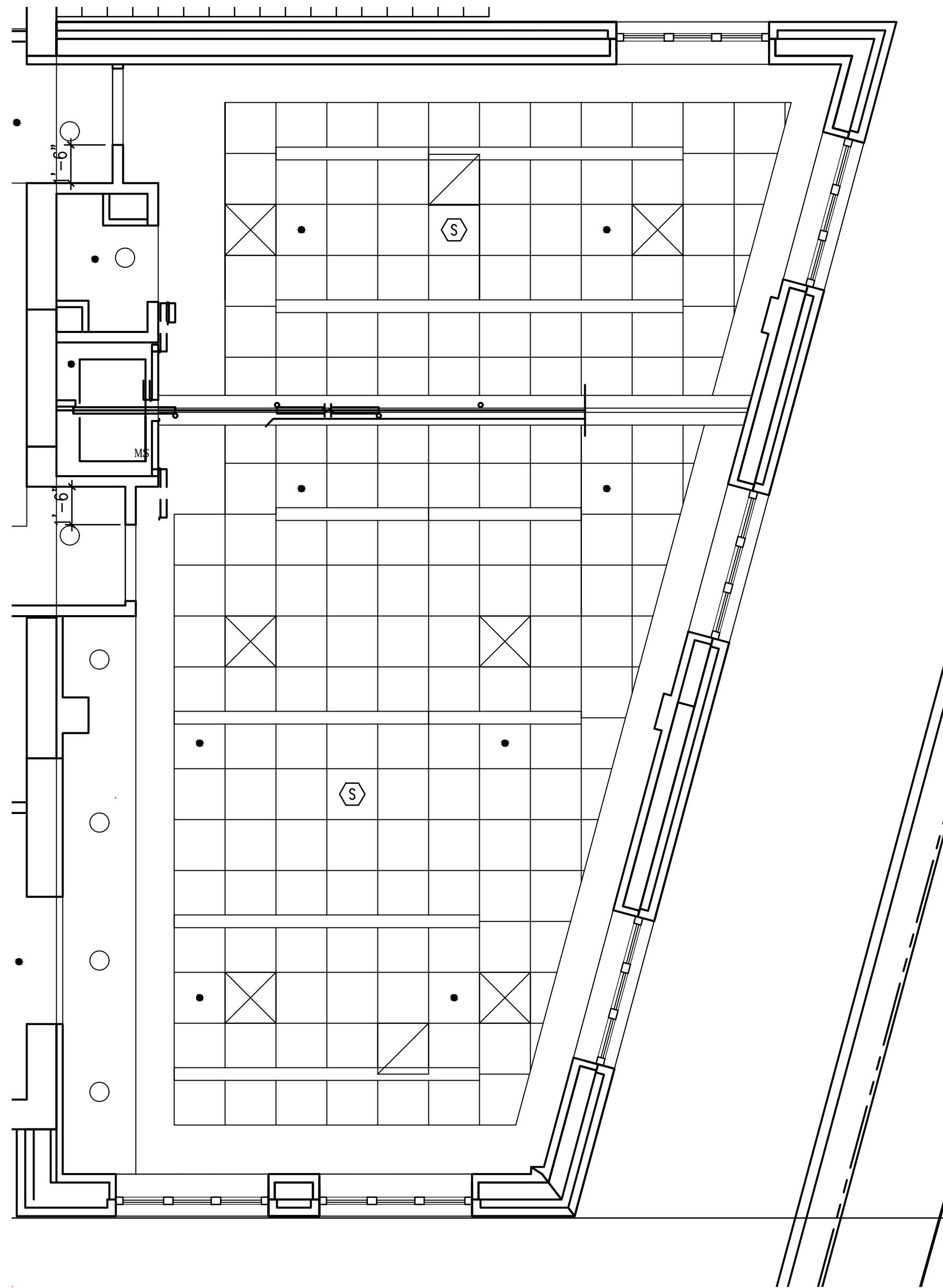
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**A-705**

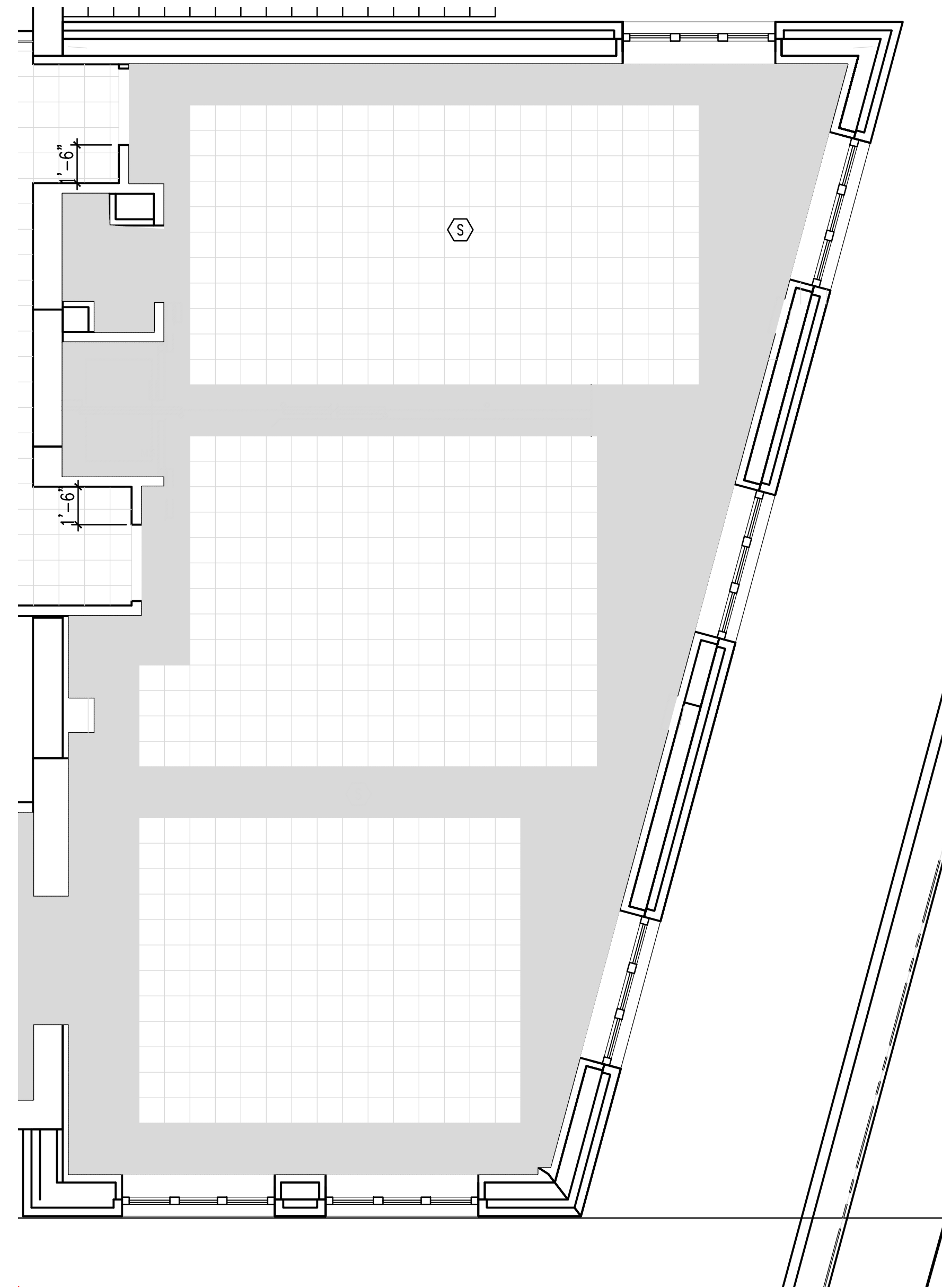




**A** SOCIAL ROOM PLAN  
1/4" = 1'-0"



**B** SOCIAL ROOM REFLECTED CEILING PLAN  
1/4" = 1'-0"



**C** SOCIAL ROOM FLOOR TILE PLAN  
1/4" = 1'-0"

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845-279-2220

SYLVIA J. LEE ARCHITECT PLLC  
ARCHITECT  
914-295-0111

RODNEY D. GIBBLE CONSULTING ENGINEERS  
STRUCTURAL ENGINEER  
212-989-2853

OLA CONSULTING ENGINEERS  
MECHANICAL ENGINEER  
914-919-3108

31 JAN 2018 FOR BID  
Date Issue/Revision

**ISSUED FOR BID**  
NOT FOR CONSTRUCTION

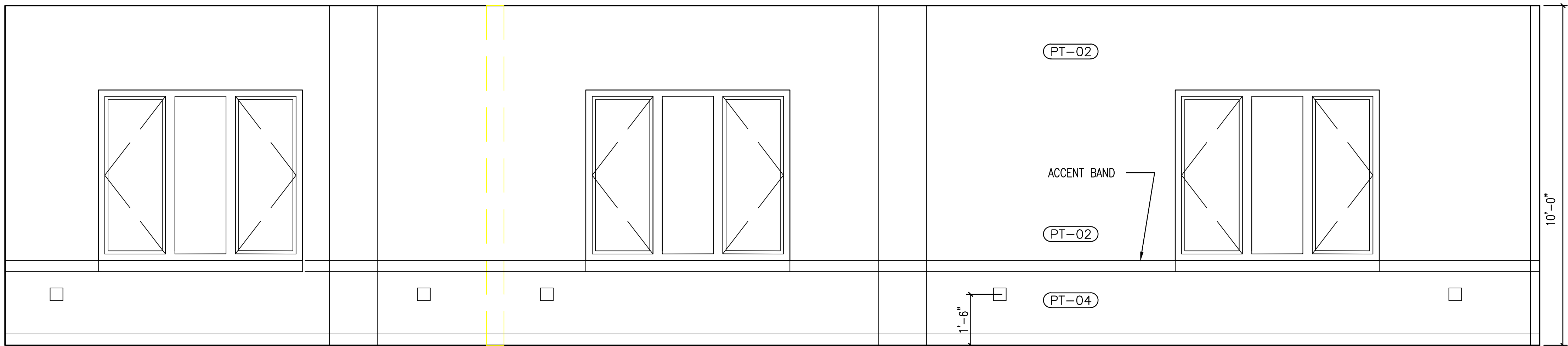
ADDITION AND  
RENOVATIONS TO  
**EMBASSY  
COMMUNITY  
CENTER**  
60 PALISADE STREET  
DOBBS FERRY, NY 10522

**SOCIAL ROOM  
PLANS**

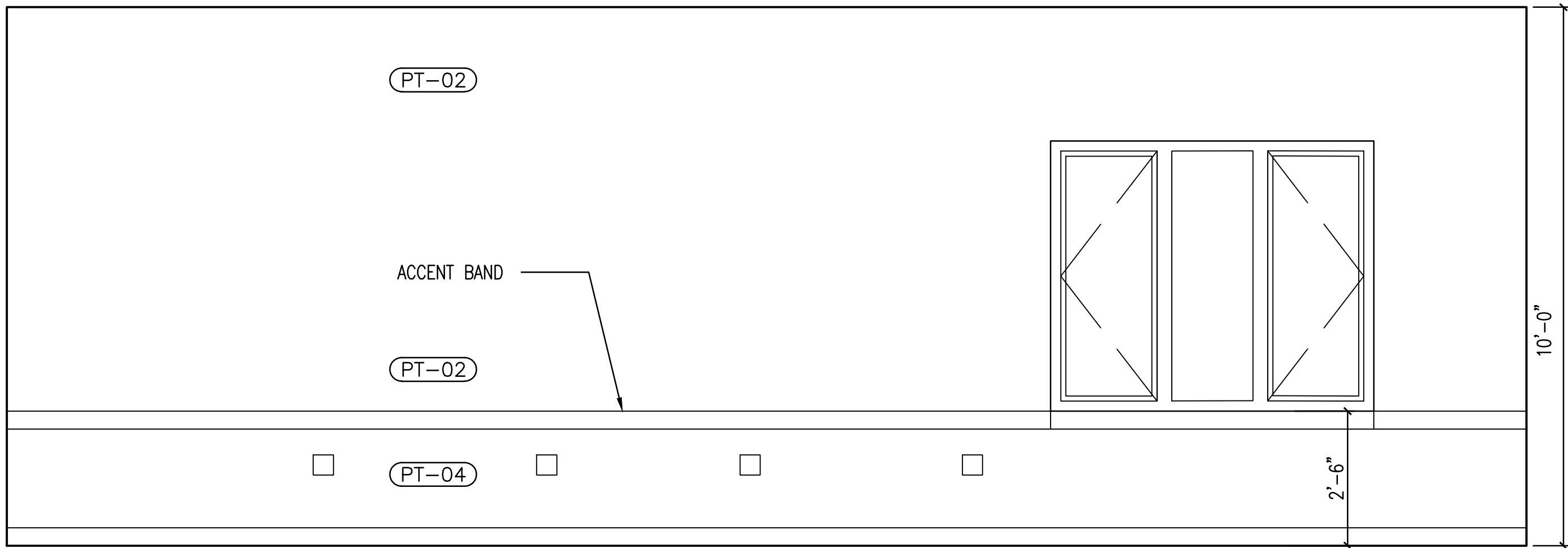
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S.J.L. Proj: EC

**A-706**

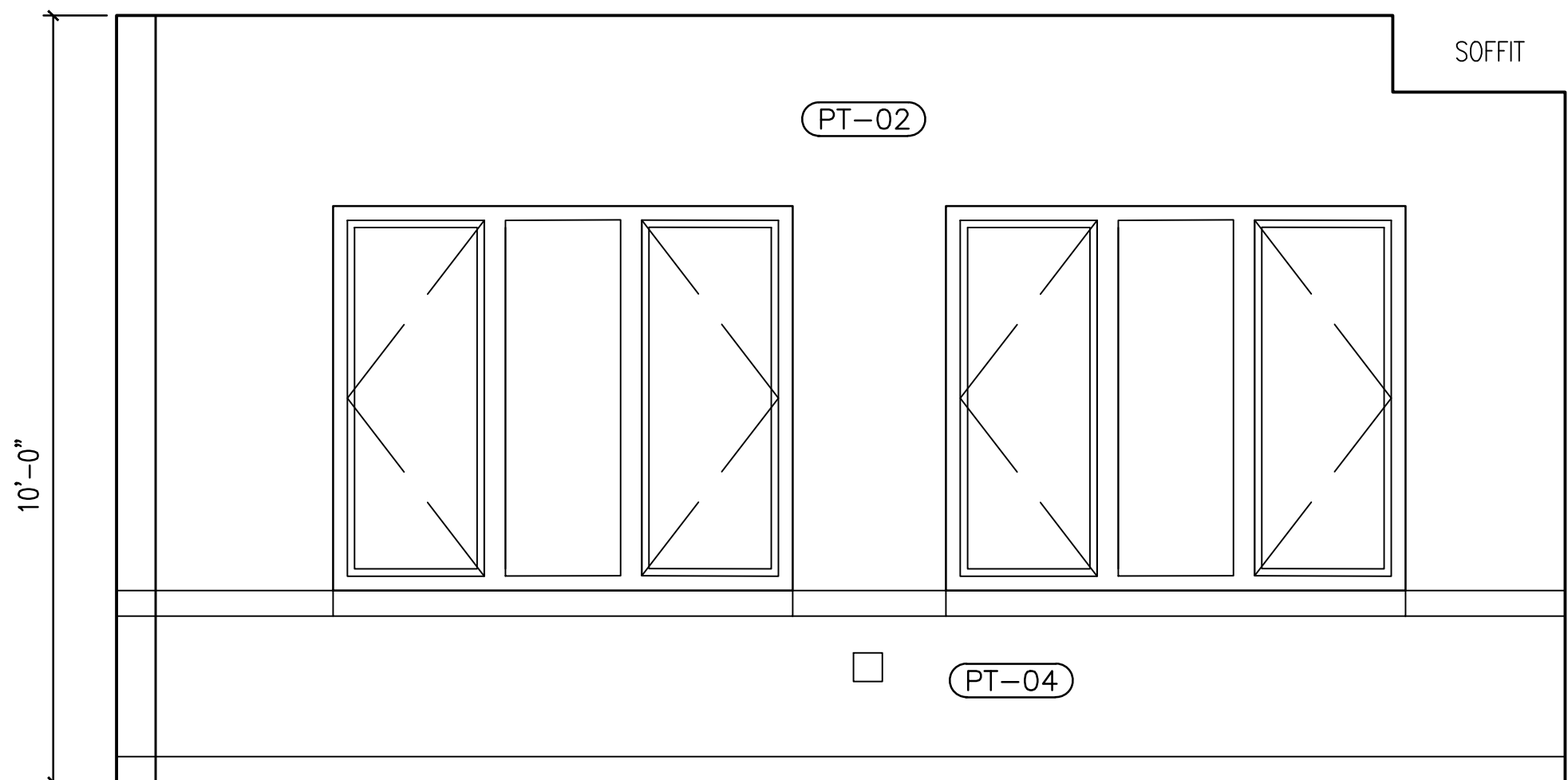




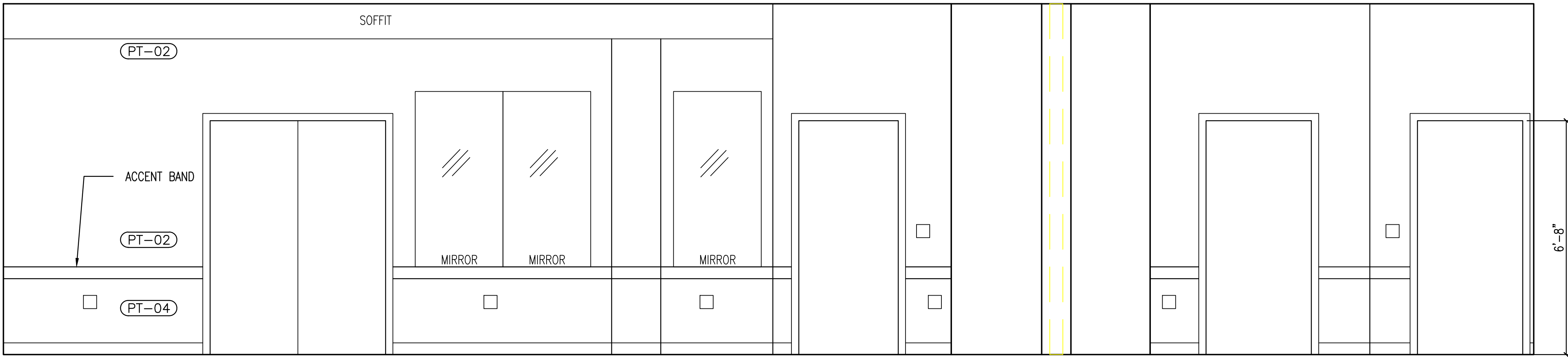
A ELEVATION: SOUTH WALL  
1/2" = 1'-0"



B ELEVATION: EAST WALL  
1/2" = 1'-0"



C ELEVATION: WEST WALL  
1/2" = 1'-0"



D ELEVATION: NORTH WALL  
1/2" = 1'-0"

JAMES J. HAHN ENGINEERING, P. C.  
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31 JAN 2018 FOR BID  
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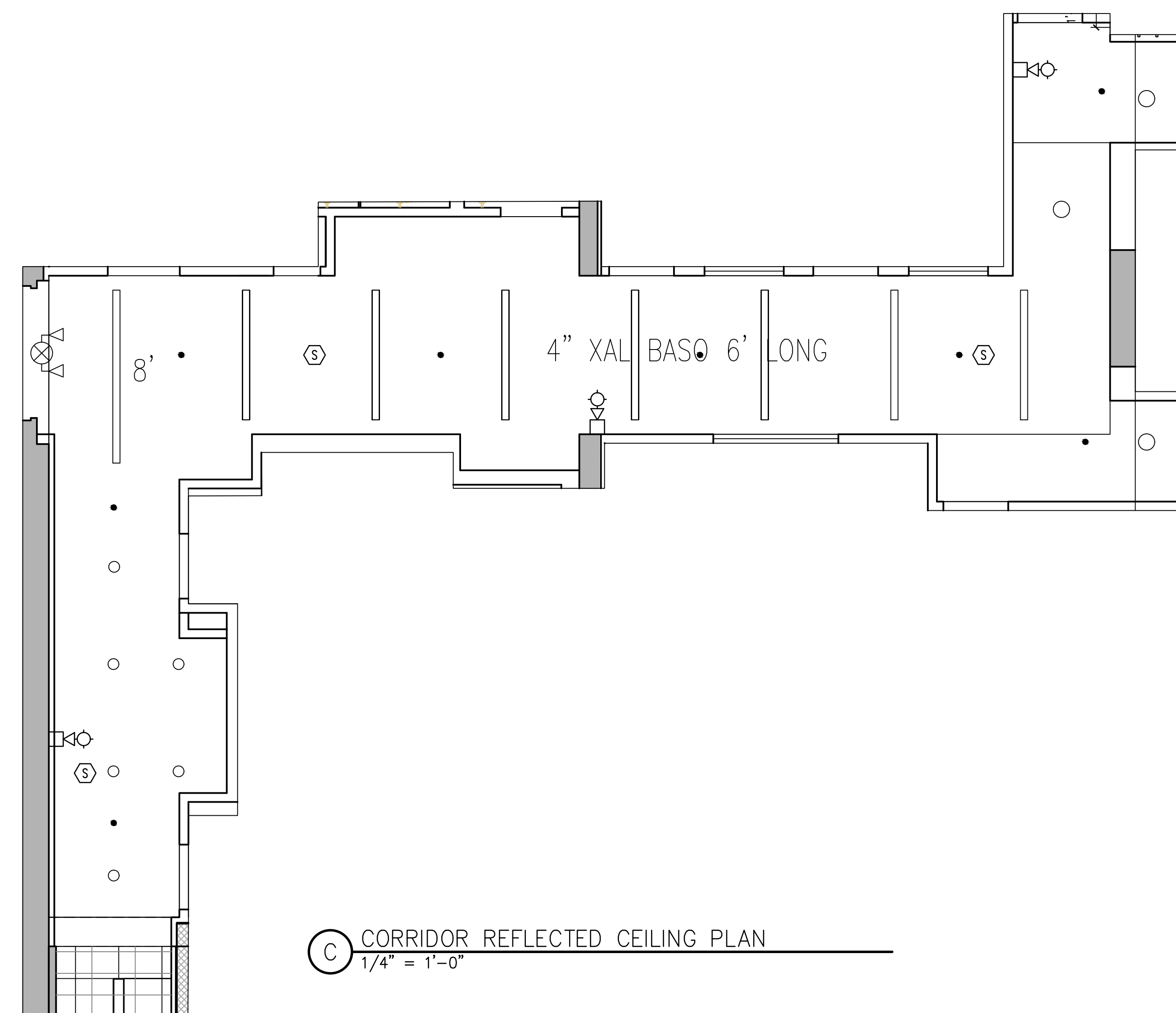
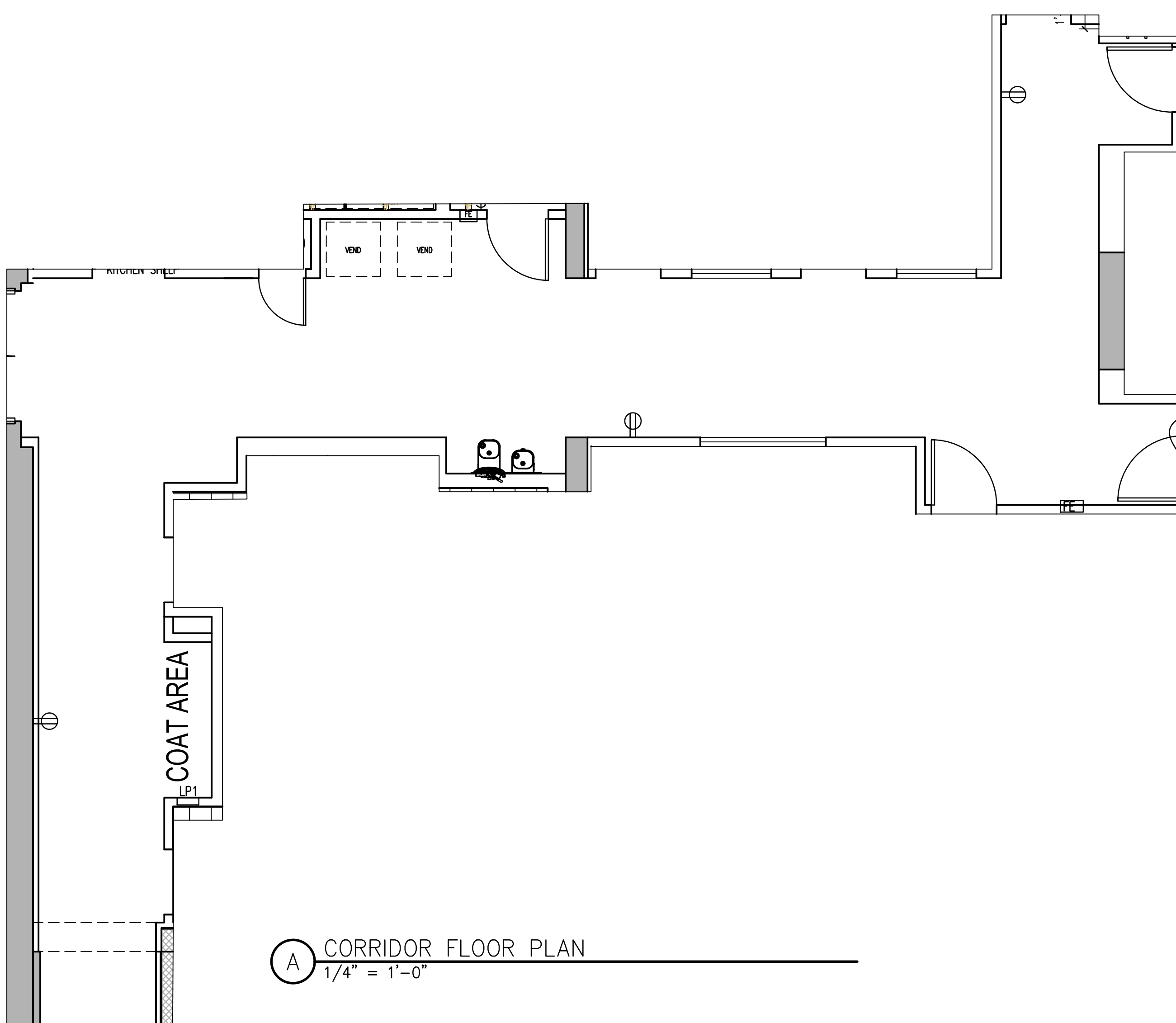
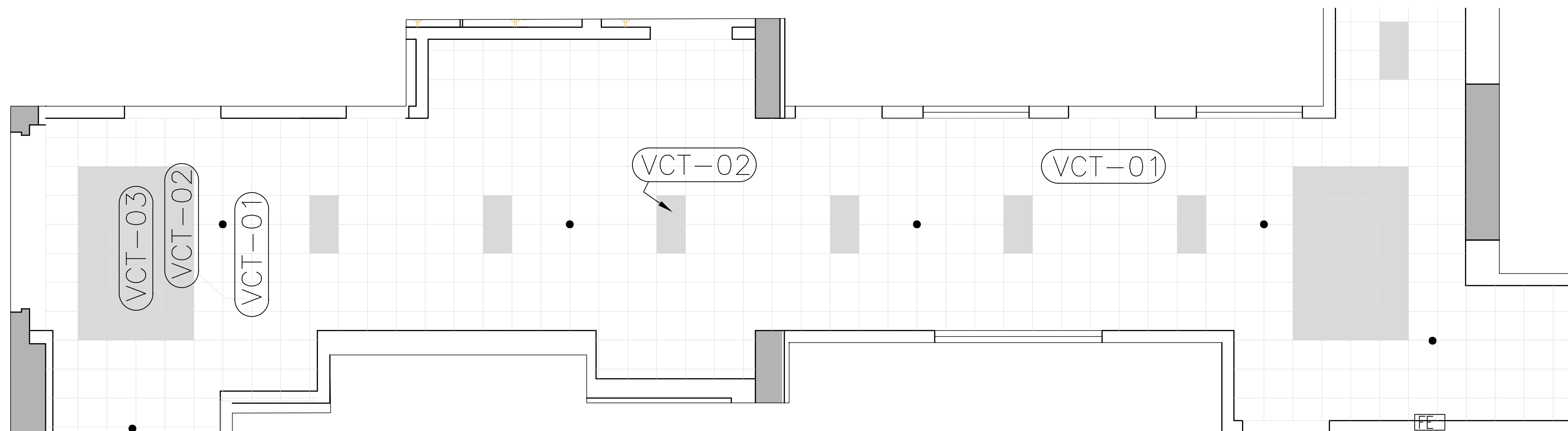
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ADDITION AND  
RENOVATIONS TO  
**EMBASSY  
COMMUNITY  
CENTER**  
60 PALISADE STREET  
DOBBS FERRY, NY 10522

SOCIAL ROOM  
ELEVATIONS

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Date: SEE ABOVE  
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S.J.L. Proj: EC





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**845-279-2220**

**SYLVIA J. LEE ARCHITECT PLLC**  
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MECHANICAL ENGINEER  
914-919-3108**

31 JAN 2018	FOR BID
Date	Issue/Revision

**ISSUED FOR BID**  
**NOT FOR CONSTRUCTION**

# ADDITION AND RENOVATIONS TO EMBASSY COMMUNITY CENTER

60 PALISADE STREET  
DOBBS FERRY, NY 10522

CORRIDORS

Scale: As noted Drawing No.:

Date: SEE ABOVE

Drawn by:

SJL Proj:	EC
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A-708



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845-279-2220

SYLVIA J. LEE ARCHITECT PLLC  
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MECHANICAL ENGINEER  
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PRELIMINARY  
NOT FOR CONSTRUCTION

Date Issue/Revision

ISSUED FOR BID  
FOR CORPORATION ONLY  
31-JAN-18

ADDITION AND  
RENOVATIONS TO  
**EMBASSY  
COMMUNITY  
CENTER**

60 PALISADE STREET  
DOBBS FERRY, NY 10522

FOUNDATION PLAN

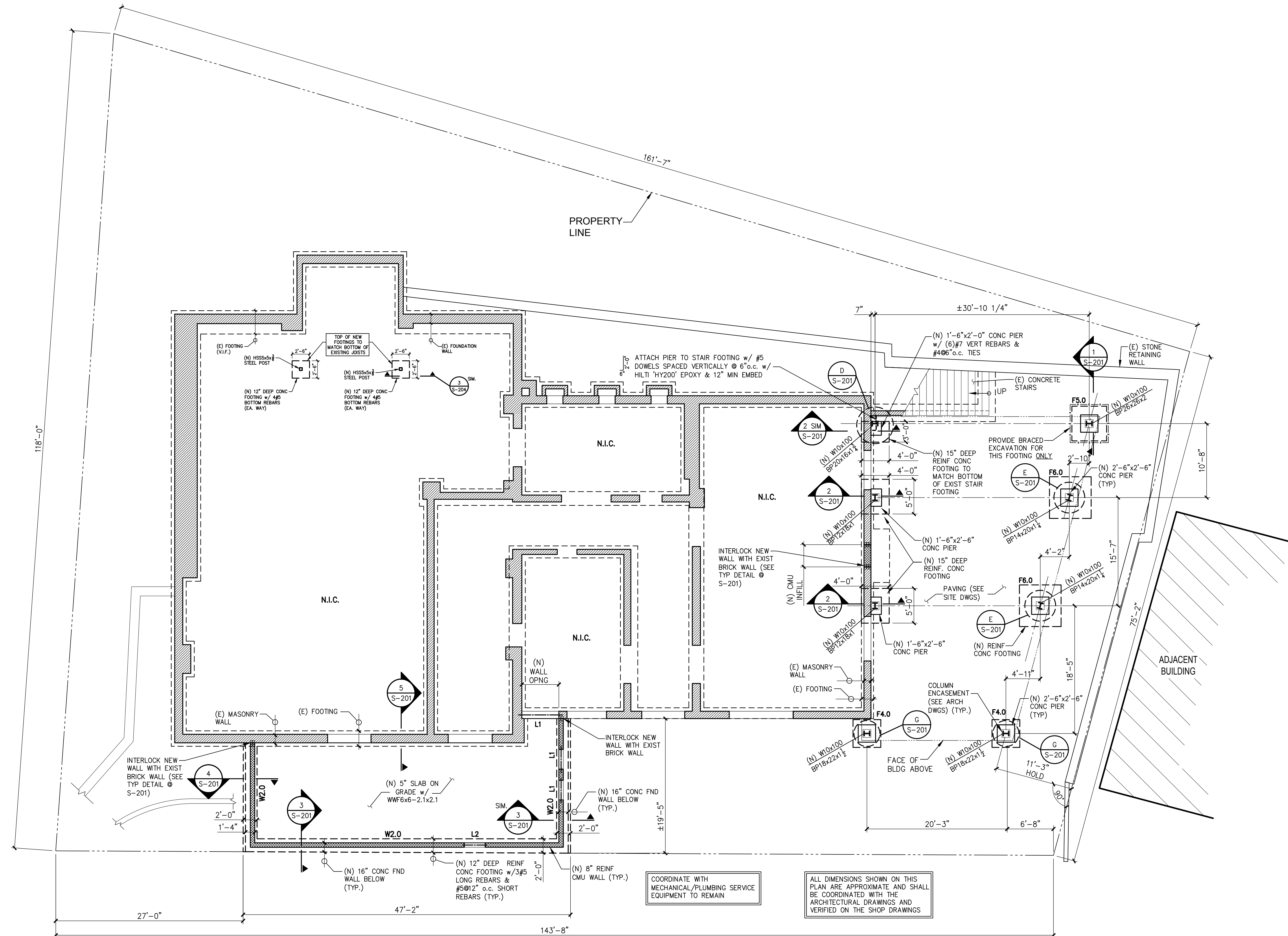
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Date: SEE ABOVE

Drawn by: i.v.

Proj No: 17038

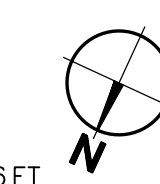
S-100



FOOTING SCHEDULE			
MARK	SIZE "W" x "L" x "D"	REINF.	REMARKS
F4.0	4'-0"x4'-0"x12"	#5@9"o.c. E.W. (BOTTOM)	--
F5.0	5'-0"x5'-0"x12"	#5@9"o.c. E.W. (BOTTOM)	--
F6.0	6'-0"x6'-0"x12"	#5@9"o.c. E.W. (BOTTOM)	--

### FOUNDATION PLAN

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



### LEGEND

- INDICATES EXISTING MASONRY WALL
- INDICATES NEW 8" CMU WALL REINFORCED w/ #4@16"o.c. VERT. REBARS AND DUR-O-WAL @ EVERY OTHER COURSE
- W2.0 INDICATES NEW WALL FOOTING
- F4.0 INDICATES NEW SPREAD FOOTING (SEE SCHEDULE)
- L# INDICATES STEEL LINTEL ABOVE







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OLA CONSULTING ENGINEERS  
MECHANICAL ENGINEER  
914-919-3108

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Date Issue/Revision

ADJACENT  
BUILDING

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9-24-2018

ADDITION AND  
RENOVATIONS TO  
**EMBASSY  
COMMUNITY  
CENTER**

60 PALISADE STREET  
DOBBS FERRY, NY 10522

**ROOF FRAMING  
PLAN**

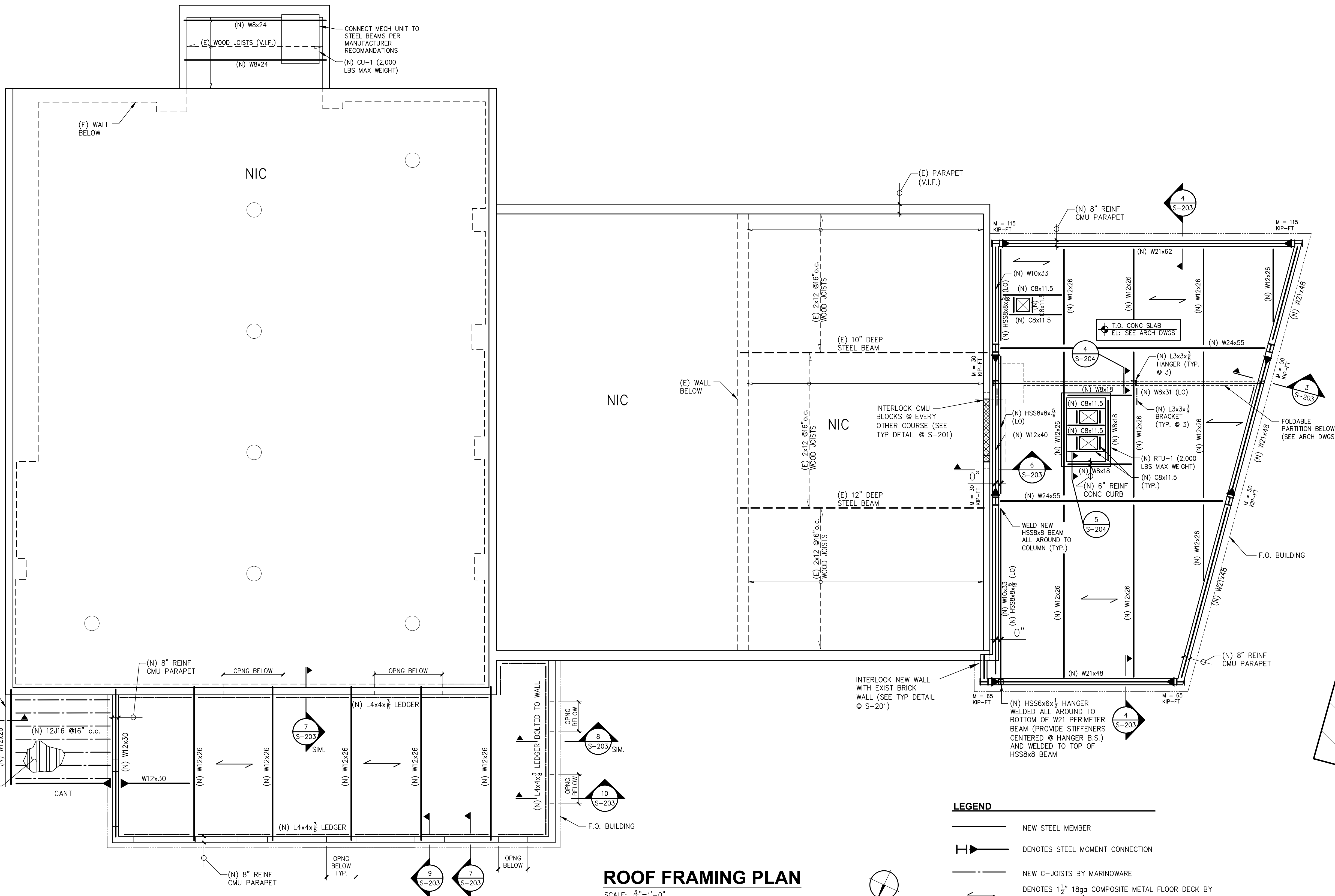
Scale: As noted Drawing No.:

Date: SEE ABOVE

Drawn by: i.v.

Proj No: 17038

**S-102**





GENERAL NOTES

CODES

1. 2015 INTERNATIONAL BUILDING CODE AS ADOPTED BY NEW YORK STATE, INCLUDING 2016 SUPPLEMENT ("BCNYS").
2. AMERICAN CONCRETE INSTITUTE ("ACI") "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-14.
3. AMERICAN INSTITUTE OF STEEL CONSTRUCTION ("AISC") "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AISC 350-10.
4. AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530-13.

GENERAL

1. THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS; IF DISCREPANCIES EXIST, NOTIFY ENGINEER BEFORE PERFORMING WORK.
2. NOTES AND TYPICAL DETAILS APPLY TO ALL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE AND VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE AT ALL TIMES, INCLUDING THE SAFETY OF PERSONS AND PROPERTY. THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVES AT THE JOBSITE SHALL NOT CONSTITUTE ANY RESPONSIBILITY FOR JOBSITE SAFETY OR FOR THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION.
4. SHORING, BRACING AND PROTECTION OF EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY INFORMATION OR DETAILS PROVIDED HEREIN ARE SUGGESTIONS ONLY.
5. CHANGES OR DEVIATIONS FROM THESE DRAWINGS MUST BE SUBMITTED IN WRITING ON THE CONTRACTOR'S LETTERHEAD AND ACCEPTED BY THE ENGINEER PRIOR TO THE START OF WORK.
6. DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.
7. DETAILS HAVE BEEN PREPARED BASED UPON LIMITED KNOWLEDGE OF EXISTING CONDITIONS. DEVIATIONS FROM CONDITIONS INFERRED TO EXIST MAY OCCUR. NOTIFY ENGINEER PRIOR TO PERFORMING WORK IN ALL SUCH CASES.
8. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND SHALL BE RESPONSIBLE FOR ACCURATE INSTALLATION. ONLY FIELD-VERIFIED DIMENSIONS ARE TO BE USED FOR PREPARATION OF SHOP DRAWINGS.
9. DEFICIENT WORK SHALL BE REPLACED OR REPAIRED, AS DETERMINED BY THE ENGINEER, AT NO COST TO THE OWNER.
10. DO NOT CUT OR ALTER ANY EXISTING STRUCTURAL MEMBERS UNLESS SHOWN ON THESE DRAWINGS OR INSTRUCTED IN WRITING BY THE ENGINEER.
11. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATER/DAMP-PROOFING AND FIRE-PROOFING DETAILS AND REQUIREMENTS.

FOUNDATIONS

1. FOOTINGS SHALL BE PLACED ON UNDISTURBED NATURAL SOIL WITH A MINIMUM SAFE BEARING CAPACITY OF 2 TSF AS REPORTED ON THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY **THE GEOTECHNICAL DEPARTMENT LLC** DATED JUNE 13th, 2017 . IF ADEQUATE SOIL IS NOT FOUND AT THE DEPTH SHOWN ON THESE DRAWINGS, NOTIFY ENGINEER. SUBGRADE FOR ALL FOOTINGS SHALL BE SUBJECT TO SPECIAL INSPECTION IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE.
2. NOTIFY VILLAGE OF DOBBS FERRY BUILDINGS DEPARTMENT PRIOR TO START OF WORK.
3. SLAB ON GRADE SHALL BE PLACED ON SELECT GRANULAR FILL COMPACTED TO AT LEAST 95 PERCENT MAXIMUM MODIFIED DRY DENSITY PER ASTM D1557. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
4. DO NOT UNDERMINE EXISTING FOOTINGS OR SLABS, UNLESS AS SHOWN ON THESE DRAWINGS.
5. DOWATERING OF THE SITE DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PRECAUTIONS SHALL BE TAKEN NOT TO UNDERMINE EXISTING FOUNDATIONS.
6. NO BACKFILL SHALL BE PLACED AGAINST FOUNDATION WALLS UNLESS SUPPORTING SLABS ARE CAST AND SET OR THE WALLS ARE ADEQUATELY BRACED.
7. ALL FOOTINGS SHALL BE CENTERED ON COLUMN OR POST ABOVE, U.O.N.
8. U.O.N., PROVIDE DOWELS IN FOUNDATIONS FOR ALL WALLS, COLUMNS, PIERS, ETC. EQUAL IN NUMBER AND ONE SIZE SMALLER, BUT NOT LESS THAN #4, THAN THE VERTICAL REINFORCEMENT ABOVE.
9. PROVIDE WATERSTOPS IN ALL VERTICAL CONSTRUCTION JOINTS IN FOUNDATION WALLS.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORKS SHALL COMPLY WITH ACI 301-05 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS". WORK SHALL ALSO CONFORM TO THE REQUIREMENTS AND RECOMMENDATIONS OF THE FOLLOWING ACI DOCUMENTS: 305R, 306.1, 306R, 211.1, 211.2, 214, 304R, 304.2R, 304.5R, 309R, 308, 302.1R, SP-66, 117, 347R.
2. SHOP DRAWINGS FOR ALL REINFORCING SHALL BE PREPARED IN ACCORDANCE WITH THE ACI DETAILING MANUAL AND SUBMITTED FOR APPROVAL PRIOR TO THE START OF WORK. CONSTRUCTION JOINTS AND CLEAR COVER AT ALL LOCATIONS SHALL BE CLEARLY SHOWN.
3. CONCRETE MIXES SHALL BE PREPARED IN ACCORDANCE WITH ACI 318 AND SUBMITTED TO VILLAGE OF DOBBS FERRY FOR REVIEW AT LEAST 14 DAYS PRIOR TO THE PLACEMENT OF CONCRETE.
4. **CONCRETE FOR FOUNDATION ELEMENTS:**  
- NORMAL WEIGHT  
- MINIMUM 28-DAY STRENGTH OF 4,000 PSI  
- MAXIMUM WATER/CEMENT RATIO OF 0.50 BY WEIGHT  
- 5.5% AIR CONTENT
5. **CONCRETE FOR SLABS ON GRADE:**  
- NORMAL WEIGHT  
- MINIMUM 28-DAY STRENGTH OF 4,000 PSI  
- MAXIMUM WATER/CEMENT RATIO OF 0.53 BY WEIGHT  
- EUCLID "PLASTROL" HRWR - 30 OZ. OR AS REQUIRED  
- INITIAL SLUMP 2" - 3", FINAL SLUMP 5" - 7" w/ HRWR  
- 267 LBS WATER  
- 520 LBS CEMENT  
- 2,000 LBS COARSE AGGREGATE (#467 STONE)  
- 1,210 LBS FINE AGGREGATE  
- 1.5% AIR ENTRAINMENT  
- 4 LBS EUCLID "TUF STRAND SF"
6. **CONCRETE FOR SLABS ON METAL DECK:**  
- NORMAL WEIGHT  
- MINIMUM 28-DAY STRENGTH OF 3,000 PSI  
- MAXIMUM WATER/CEMENT RATIO OF 0.55 BY WEIGHT
7. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. ALL WELDED WIRE FABRIC SHALL CONFORM TO THE STANDARDS OF ASTM A185.
8. ALL REINFORCEMENT SHALL BE SECURELY HELD IN POSITION WHILE PLACING CONCRETE. IF NECESSARY, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT.

9. LOCATION OF ALL CONSTRUCTION JOINTS NOT SHOWN IN THESE DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO DETAILING OF REINFORCEMENT. ENGINEER MAY REQUIRE ADDITIONAL REINFORCING AT SUCH JOINTS.
10. UNLESS OTHERWISE NOTED, ALL SLABS SHALL BE FINISHED PER ACI 301.
11. REINFORCING STEEL SHALL HAVE A MINIMUM CLEAR COVER AS FOLLOWS, U.O.N. ON THESE DRAWINGS:  
  
CONCRETE POURED AGAINST EARTH-----"3"  
CONCRETE EXPOSED TO EARTH OR WEATHER  
#5 OR SMALLER-----"1-1/2"  
#6 OR LARGER-----"2"
13. DIMENSION "LD" AS NOTED ON DRAWINGS SHALL BE AS SPECIFIED IN TABLE(S) ON THESE DRAWINGS.
14. ALL LAP SPICES SHALL BE 1.3LD UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL

1. ALL WORK SHALL CONFORM TO THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AISC 303-10.
2. SHOP DRAWINGS, PREPARED IN ACCORDANCE WITH AISC "DETAILING FOR STEEL CONSTRUCTION", SHALL BE SUBMITTED FOR REVIEW AND ACCEPTANCE PRIOR TO PERFORMING WORK.
3. OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION PRIOR TO THE START OF DETAILING AND FABRICATION. PRECISE MEASUREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DETAILER SHALL VISIT JOBSITE AS MANY TIMES AS NECESSARY TO MEASURE EXISTING CONDITIONS AS TO OBTAIN REQUIRED DIMENSIONS.
4. THE CONTRACTOR SHALL SUPPLY ALL ADDITIONAL STEEL, CONNECTIONS GUYING, ETC. REQUIRED FOR ERECTION AND SHALL BE SOLELY RESPONSIBLE FOR THE STABILITY AND SAFETY OF THE WORK DURING CONSTRUCTION.
5. WIDEFLANGE SHAPES SHALL BE ASTM A992 GRADE 50, ANGLES, CHANNELS, PLATES AND MISCELLANEOUS PIECES SHALL BE ASTM A36. STRUCTURAL STEEL TUBING SHALL BE ASTM A500, GRADE B. PIPES SHALL BE ASTM A53, GRADE B.
6. BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325 OR A490. BOLTS SHALL BE 3/4 INCHES IN DIAMETER, UNLESS NOTED OTHERWISE. PROVIDE A MINIMUM OF 2 BOLTS PER CONNECTION.
7. ALL WELDING ELECTRODES SHALL BE E70XX. MINIMUM FILLET WELD SIZES SHALL COMPLY WITH THE AISC SPECIFICATION, BUT SHALL NOT BE LESS THAN 1/4 INCH, U.O.N. THESE DRAWINGS.
8. ALL WELDING SHALL BE DONE BY VILLAGE OF DOBBS FERRY CERTIFIED WELDERS AND SHALL CONFORM TO THE AMERICAN WELDING SOCIETY AWS D11.
9. SLAG SHALL BE REMOVED FROM ALL WELDS FOR INSPECTION.
10. ALL PIPES AND TUBES SHALL BE COMPLETELY SEALED WITH CAP PLATES.
11. CUTTING OR ENLARGEMENT OF BOLT HOLES WITH TORCHES IS STRICTLY PROHIBITED.
12. MEMBERS MAY ONLY BE SPLICED WHERE SPECIFICALLY DETAILED ON ACCEPTED SHOP DRAWINGS.
13. FIELD CUTTING OF STEEL IS ONLY PERMITTED WHERE SPECIFICALLY SHOWN ON ACCEPTED SHOP OR FIELD WORK DRAWINGS.
14. ALL BEAMS SHALL BE FABRICATED AND INSTALLED WITH NATURAL CAMBER UP.
15. STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE DECK SUPPORT ANGLES AS REQUIRED.
16. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE PROTECTION REQUIREMENTS.
17. ALL STEEL TO BE PERMANENTLY EXPOSED TO THE WEATHER SHALL BE CLEANED TO SSPC SP-3 AND RECEIVE TWO COATS OF TENECC "CHEM-BUILD".

METAL DECK NOTES

1. METAL DECK SHALL BE FABRICATED FROM ASTM A653 GALVANIZED SHEET STEEL WITH A MINIMUM YIELD STRESS OF 33 KSI. GALVANIZING SHALL COMPLY WITH ASTM A924, THICKNESS G60.
2. METAL DECK SHALL BE INSTALLED IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATIONS AND THE MANUFACTURER'S RECOMMENDED PRACTICES.
3. U.O.N., ALL METAL DECKING HAS BEEN DESIGNED FOR UNSHORED CONSTRUCTION. WHERE POSSIBLE, DECK SHALL EXTEND OVER TWO OR MORE SPANS.
4. DECK SUPPLIER SHALL FURNISH ANY AND ALL SCREEDS, CLOSURES, POUR STOPS, COLUMN CLOSURES, CANT STRIPS, RIDGE AND VALLEY PLATES, SUMPS, ETC. AS REQUIRED FOR COMPLETE INSTALLATION OF DECK.
5. DECK TO RECEIVE CONCRETE SHALL BE WELDED TO ALL SUPPORTING MEMBERS WITH A MINIMUM OF 3/4" DIAMETER PUDDLE WELDS AT 12" O.C. MAXIMUM SPACING, 6" MAXIMUM FROM EDGES.
6. ROOF DECK SHALL BE WELDED TO ALL SUPPORTING MEMBERS WITH 5/8" DIAMETER PUDDLE WELDS AT 18" O.C.
7. FASTEN SIDE LAPS OF FLOOR AND ROOF DECKS WITH 1-1/4" SEAM WELDS AT 36" O.C., BUTTON PUNCHING AT 24" O.C., OR TKS SELF-TAPPING FASTENERS AT 18" O.C.
8. PROVIDE 2" MIN LAPS AND END BEARING FOR ALL DECKING.
9. UNFRAMED OPENINGS, IN FLOOR OR ROOF DECKS, LARGER THAN 6" PERPENDICULAR TO SPAN OF DECK SHALL BE REINFORCED PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT REINFORCING DETAILS FOR REVIEW.

STRUCTURAL MASONRY

1. STRUCTURAL CONCRETE MASONRY, AS SHOWN ON THESE DRAWINGS, SHALL HAVE A COMPRESSIVE STRENGTH (F'M) OF 1,500 PSI.
2. MASONRY UNITS SHALL CONFORM TO ASTM C90, TYPE I, LIGHTWEIGHT, HOLLOW UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE DRAWINGS, WITH A MINIMUM NET AREA UNIT STRENGTH AS NOTED IN SCHEDULE OF MATERIALS.
3. ALL MASONRY WORK SHALL CONFORM TO ACI 530.1-08 "SPECIFICATIONS FOR MASONRY STRUCTURES".
4. MORTAR SHALL CONFORM TO ASTM C270, TYPE M OR S FOR ABOVE GRADE, TYPE M FOR BELOW GRADE.
5. GROUT FOR FILLED CELLS SHALL CONFORM TO ASTM C476 WITH 3,000 PSI STRENGTH AT 28 DAYS. CELLS SHALL BE GROUTED IN INCREMENTS NOT EXCEEDING 5 FEET VERTICALLY. FILL ALL CELLS BELOW GRADE.

6. VERTICAL REINFORCING SHALL BE ASTM A615, GRADE 60 DEFORMED BARS. ALL CELLS CONTAINING REINFORCING SHALL BE GROUTED. MINIMUM LAP SPICES SHALL BE AS FOLLOWS:  
  
#3 BARS - 1'-6"  
#4 BARS - 2'-0"  
#5 BARS - 2'-6"  
#6 BARS - 3'-0"

7. HORIZONTAL REINFORCING SHALL BE TRUSS TYPE WITH 9 GAGE WIRE CONFORMING TO ASTM A82 AND SHALL BE PLACED EVERY OTHER COURSE U.O.N.

8. ALL BLOCK SHALL BE PLACED IN RUNNING BOND.

SPECIAL INSPECTIONS

1. GENERAL:  
  
SPECIAL INSPECTIONS SHALL BE PROVIDED AS DESCRIBED BELOW BY AN AGENCY APPROVED BY THE BUILDING DEPARTMENT PER BCNYS §1703.1.  
  
THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL TESTING AND INSPECTION, AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING DEPARTMENT AND ENGINEER PER BCNYS §1704.2.4. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISPREACNIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISPREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING DEPARTMENT AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS, AND CORRECTION OF ANY DISCREPANCIES NOTES IN THE INSPECTIONS OR TESTS, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AT A POINT IN TIME AGREED UPON PRIOR TO THE START OF WORK.  
  
IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A MINIMUM OF 24 HOURS OF ADVANCE NOTICE TO PERFORM SUCH INSPECTIONS. ANY WORK WHICH PROCEEDS WITHOUT REQUIRED INSPECTION(S) SHALL BE AT THE SOLE RISK AND RESPONSIBILITY OF THE CONTRACTOR AND HE/SHE SHALL THEREBY HOLD HARMLESS AND INDEMNIFY THE OWNER, ARCHITECT, ENGINEER, AND SPECIAL INSPECTOR FROM ANY LIABILITY RESULTING FROM SUCH WORK.
2. **FABRICATED ITEMS (BCNYS §1704.2.5):**  
  
SHOP FABRICATION SHALL BE INSPECTED PER BCNYS §1704.2.5 UNLESS THE FABRICATOR IS APPROVED BY THE BUILDING DEPARTMENT PER BCNYS §1704.2.5.1.
3. **STEEL CONSTRUCTION (BCNYS §1705.2):**  
- HIGH-STRENGTH BOLTING  
- WELDING  
- ASSEMBLY OF STEEL FRAME DETAILS
4. **CONCRETE CONSTRUCTION (BCNYS §1705.3 AND TABLE 1705.3):**  
- REINFORCING STEEL  
- USE OF REQUIRED DESIGN MIX  
- SLUMP, AIR CONTENT AND TEMPERATURE  
- STRENGTH TESTS (CYLINDERS)  
- FORMWORK SHAPE AND DIMENSIONS  
- CONCRETE PLACEMENT  
- CURING  
- POST-INSTALLED ANCHORS
5. **MASONRY CONSTRUCTION (BCNYS §1705.4):**  
- PREPARATION OF MORTAR  
- CONSTRUCTION OF MORTAR JOINTS  
- SIZE AND LOCATION OF STRUCTURAL ELEMENTS  
- ANCHORAGES  
- REINFORCEMENT  
- PROTECTION DURING HOT OR COLD WEATHER  
- GROUTING  
- PREPARATION OF REQUIRED SPECIMENS AND PRISMS

6. **SOILS (BCNYS §1705.6 AND TABLE 1705.6):**  
  
SPECIAL INSPECTIONS SHALL BE PROVIDED FOR EXISTING SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS PER BCNYS TABLE 1705.6. THE APPROVED SOILS REPORT SHALL BE USED TO DETERMINE COMPLIANCE.

ABBREVIATIONS USED ON DRAWINGS

1. U.O.N. DENOTES "UNLESS OTHERWISE NOTED".
2. V.I.F. DENOTES "VERIFY IN FIELD".
3. (N) DENOTES "NEW".
4. (E) DENOTES "EXISTING".
5. T.O. DENOTES "TOP OF".
6. F.O. DENOTES "FACE OF".
7. E.W. DENOTES "EACH WAY".
8. E.F. DENOTES "EACH FACE".
9. TAB& DENOTES "TOP AND BOTTOM".
10. CLR DENOTES CLEAR COVER FOR REINFORCING BARS.
11. C.J. DENOTES "CONSTRUCTION JOINT".
12. E.J. DENOTES "EXPANSION JOINT".
13. S.S. DENOTES "STAINLESS STEEL".
14. LLV DENOTES "LONG LEG VERTICAL".
15. CP DENOTES "COMPLETE PENETRATION".
16. V DENOTES SHEAR FORCE.  
F DENOTES AXIAL FORCE.  
M DENOTES MOMENT.

STRUCTURAL DESIGN CRITERIA

2015 INTERNATIONAL BUILDING CODE AS ADOPTED BY NEW YORK STATE, INCLUDING 2016 SUPPLEMENT ("BCNYS") & ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

<b>LIVE LOADS</b> REF: 2015 INTERNATIONAL BUILDING CODE SECTION 1607		
ASSEMBLY AREAS	100 psf	TABLE 1607.1
<b>SNOW LOADS</b> REF: BCNYS SECTION 1608 & ASCE 7-10 SECTION 7		
GROUND SNOW LOAD	Pg = 30 psf	BCNYS FIGURE 1608.2
IMPORTANCE FACTOR	Is = 1.0	ASCE 7-10 TABLE 1.5-1 & TABLE 1.5-2 BLDG CATEGORY II
EXPOSURE FACTOR	Ce = 1.0 <small>TERMINAL CATEGORY B PARTIALLY EXPOSED</small>	ASCE 7-10 TABLE 7-2
THERMAL FACTOR	Ct = 1.0	ASCE 7-10 TABLE 7-3
FLAT ROOF SNOW LOAD	Pf = 0.7CeCtIsPg Pf = 21 psf	ASCE 7-10 EQ 7.3-1
DRIFT SNOW LOAD	Pd = 47 psf γ = 18.0 pcf lu = 60 ft hd = 2.6 ft	ASCE 7-10 SECTION 7.7 & 7.8

<b>WIND LOADS</b> REF: BCNYS SECTION 1609 & ASCE 7-10: CHAPTER 26 - GENERAL REQUIREMENTS CHAPTER 28 - MWFRS ENVELOPE PROCEDURE PART 2 CHAPTER 30 - C&C PART 2		
--	--	--

BASIC WIND SPEED (3 sec gust)	V = 115 mph	BCNYS FIGURE 1609.3(1)
IMPORTANCE FACTOR	Iw = 1.0	ASCE 7-10 TABLE 1.5-1 & TABLE 1.5-2 BLDG CATEGORY II
EXPOSURE CATEGORY	B	BCNYS SECTION 1609.4
TOPOGRAPHIC FACTOR	Kzt = 1	ASCE 7-10 SECTION 26.8
ENCLOSURE CLASIFICATION	ENCLOSED BLDG	ASCE 7-10 SECTION 26.10
MAIN FRAMING RESISTING SYSTEM DESIGN PRESSURES	WALLS FIELD ±13.9 psf EDGES ±21.0 psf ROOFS: FIELD ±17.5 psf EDGES ±25.2 psf	ASCE 7-10 FIGURE 28.6-1
COMPONENTS AND CLADDING DESIGN PRESSURES	WALLS FIELD ±25 psf EDGES ±30 psf ROOFS: FIELD ±23 psf EDGES ±36 psf CORNERS ±50 psf	ASCE 7-10 FIGURE 30.5-1

<b>EARTHQUAKE LOADS</b> REF: BCNYS SECTION 1613 AND ASCE 7-10 SECTION 12		
IMPORTANCE FACTOR	Ie = 1.0	ASCE 7-10 TABLE 1.5-1 & TABLE 1.5-2 BLDG CATEGORY II
SITE CLASS (SOIL)	D	BCNYS SECTION 1613.3.2
MAX CONSIDERED EQ MOTION	Ss = .277 g Si = .072 g	BCNYS FIGURE 1613.3.1(1) BCNYS FIGURE 1613.3.1(2)
SPECTRAL RESPONSE PARAMETERS	Sds = .291 g Sd1 = .116 g	BCNYS EQUATION 16-39 BCNYS EQUATION 16-40
SEISMIC DESIGN CATEGORY	B	BCNYS TABLES 1613.3.5(1)&(2)
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE	ASCE 7-10 SECTION 12.8
BASIC SEISMIC-FORCE RESISTING SYSTEM	STEEL ORDINARY MOMENT FRAMES R = 3	ASCE 7-10 TABLE 12.2-1
DESIGN BASE SHEAR	V = .097W	ASCE 7-10 SECTION 12.8.1

DEAD AND LIVE DESIGN LOADS (lbs/sf)						
MATERIAL	LOCATION	1ST FLOOR		ROOF		MARQUEE
		Social Rooms, Lobby, & Storage	Office	Mechanical Room	Roof	
Metal deck		3	3	3	3	3
3½" n. wt. conc. topping		55	55	55	55	—
Floor finish		2	2	2	—	—
Ceilings, mechanical, fire protection		5	5	5	5	10
Partitions		15	15	—	—	—
Insulation & roofing		—	—	—	5	7
—		—	—	—	—	—
TOTAL DEAD LOAD		80	80	65	68	20
LIVE LOAD		100	50	75	20	75
TOTAL LOAD		180	130	140	88	95

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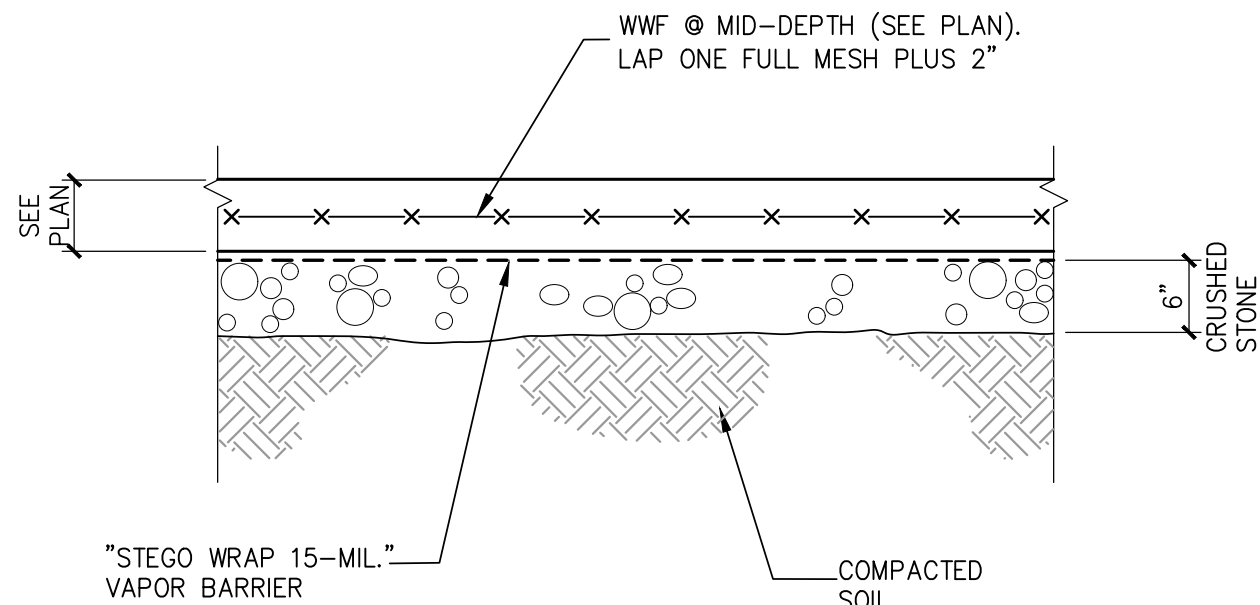
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GENERAL NOTES,  
LOAD TABLES &  
TYPICAL DETAILS

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S-200



TYPICAL SLAB ON GRADE DETAIL



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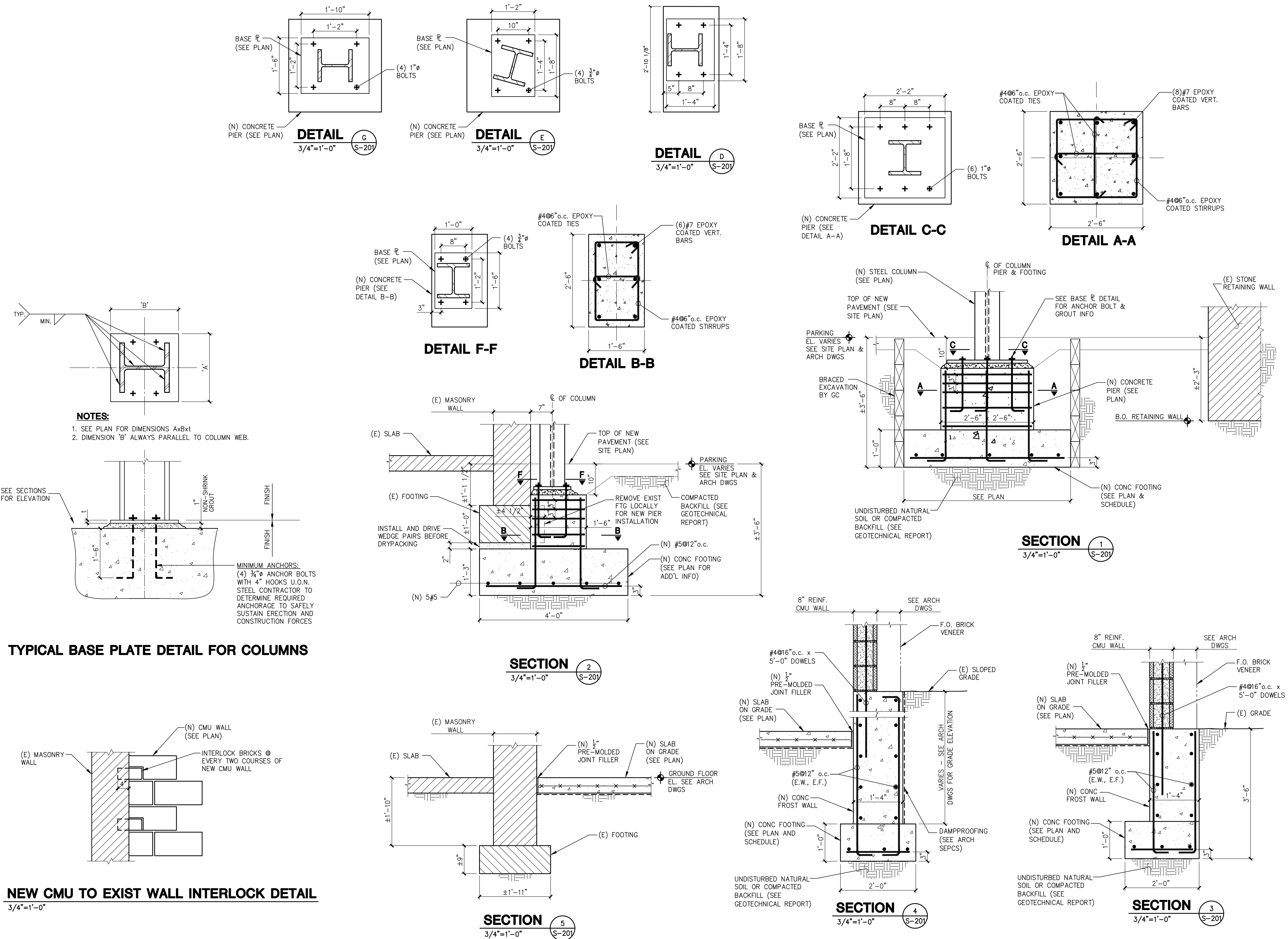
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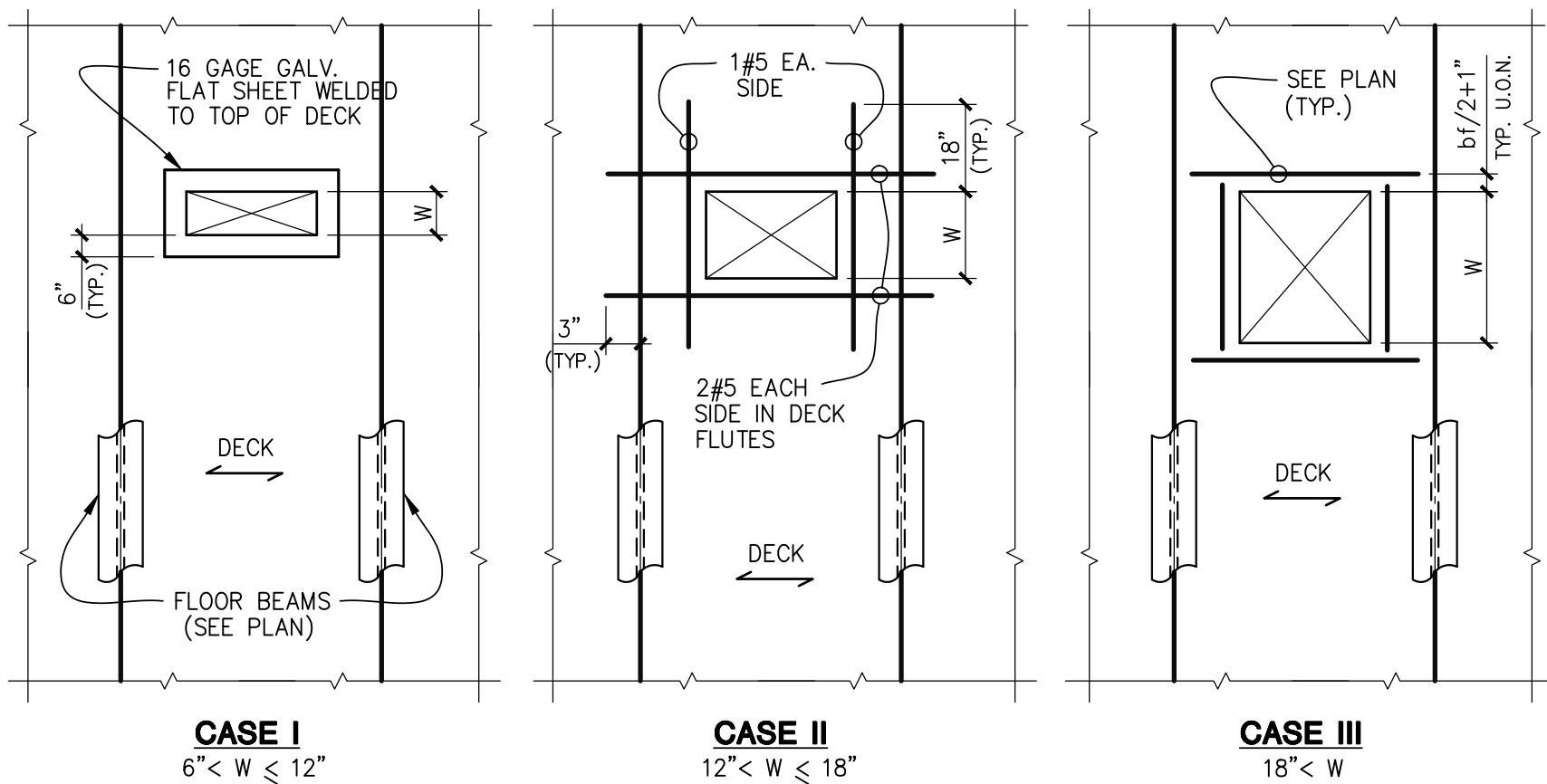
## FOUNDATION SECTIONS & DETAILS

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**S-201**



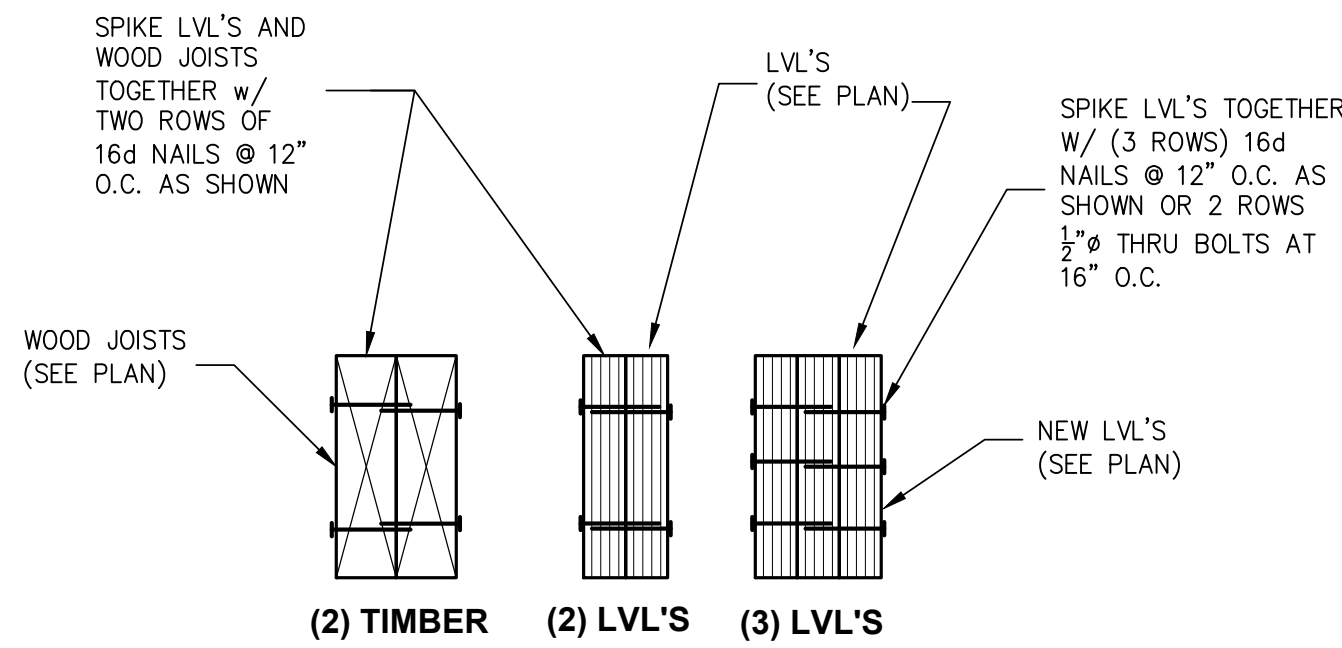




**NOTES:**

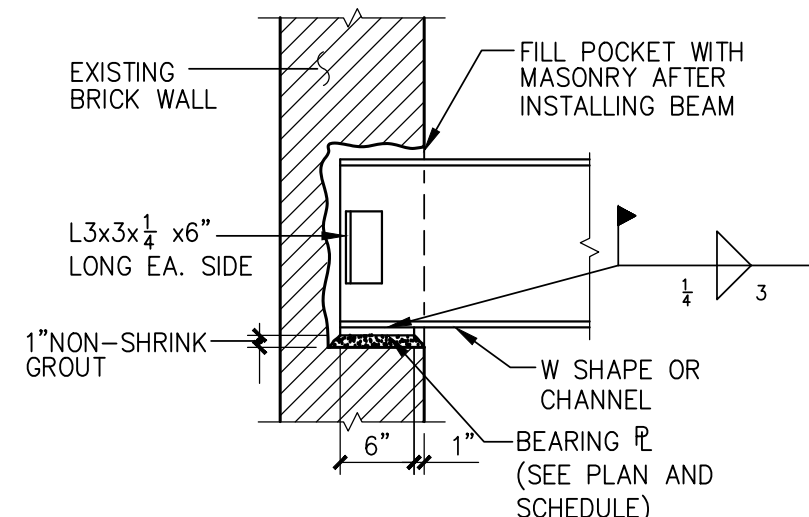
1. SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND OTHER DRAWINGS. FOR SIZE AND LOCATION OF OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. SUBMIT OPENINGS LARGER THAN 6" FOR REVIEW.
2. BOX OUT OPENINGS PRIOR TO CASTING OF CONCRETE. DO NOT CUT DECK BEFORE CONCRETE HAS ATTAINED 75% OF ITS SPECIFIED STRENGTH.

**TYPICAL REINFORCEMENT OF FLOOR DECK OPENINGS**



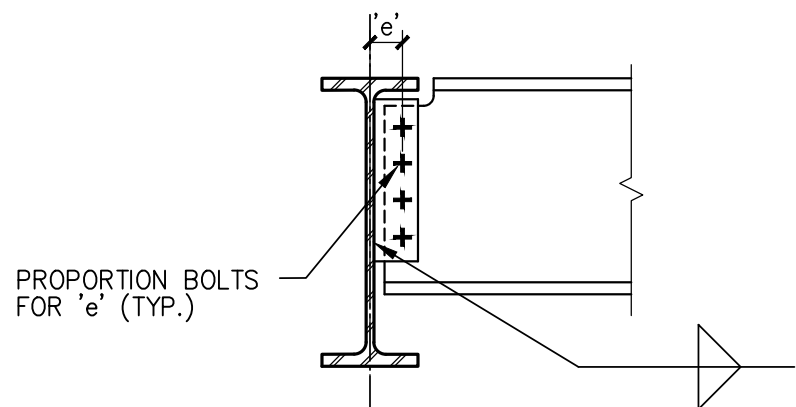
SPIKE ALL MULTIPLE-PIECE MEMBERS AS SHOWN UNLESS NOTED OTHERWISE

**TYP. BEAM AND HEADER SPIKING DETAIL**  
N.T.S

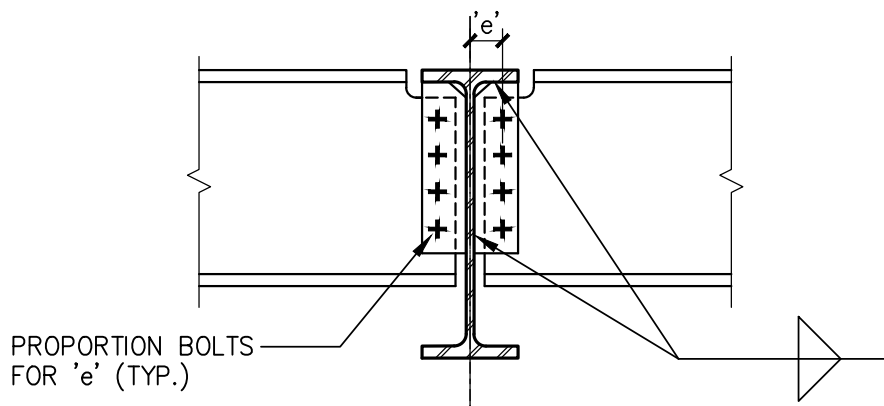


**TYP. DETAIL OF NEW STEEL BEAM BEARING ON EXIST. BRICK WALL**

BEAM BEARING PLATE SCHEDULE			
MARK	SIZE	MAX. REACTION	
BP8	PL 3/4 x 6 x 8	12k	



**BEAM ONE SIDE**



**BEAMS BOTH SIDES**

PROVIDE FOR BEAMS 3'-0" OR LESS APART ON OPPOSITE SIDES OF GIRDER

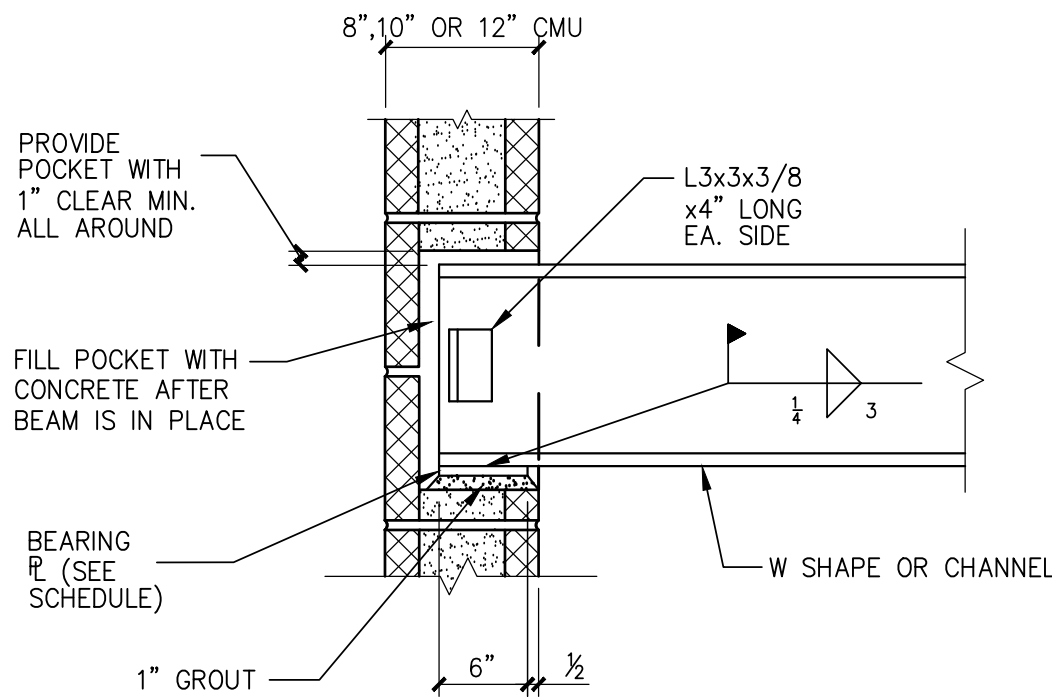
NOTE: CONNECTIONS SHALL BE PROPORTIONED FOR MINIMUM VALUES IN GENERAL NOTES, SCHEDULE OR LOAD SHOWN ON PLAN, WHICHEVER IS GREATER.

**TYPICAL BEAM-TO-GIRDER CONNECTION**  
(TYPICAL UNLESS SHOWN OR NOTED OTHERWISE)

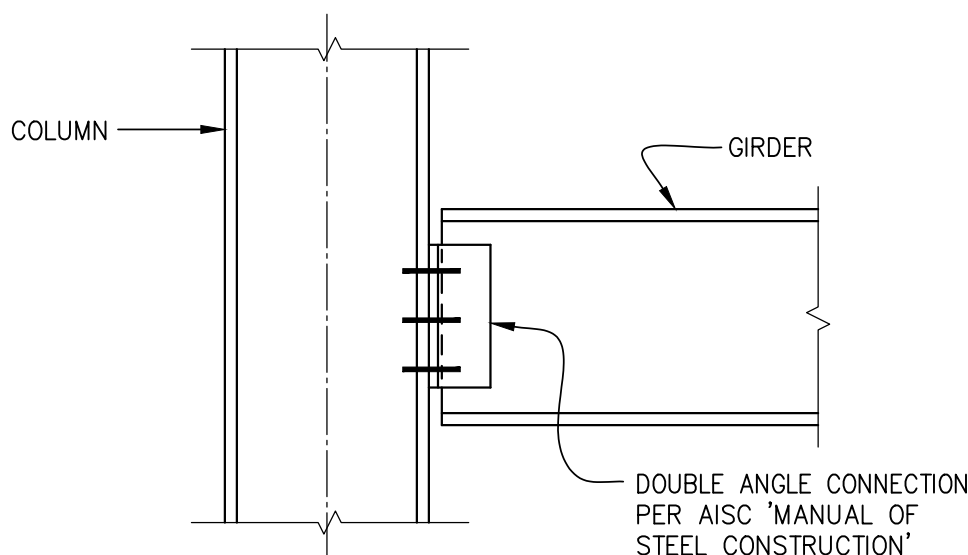
MIN. SHEAR CONN. VALUES FOR BEAMS AND GIRDERS (kips)			
SIZE	MIN. ROWS OF BOLTS	CONN. TO BEAM OR GIRDER	CONN. TO COLUMN
W12	3	22k	32k
W14	3	29k	46k
W21	5	65k	84k
W24	5	76k	106k

**NOTES:**

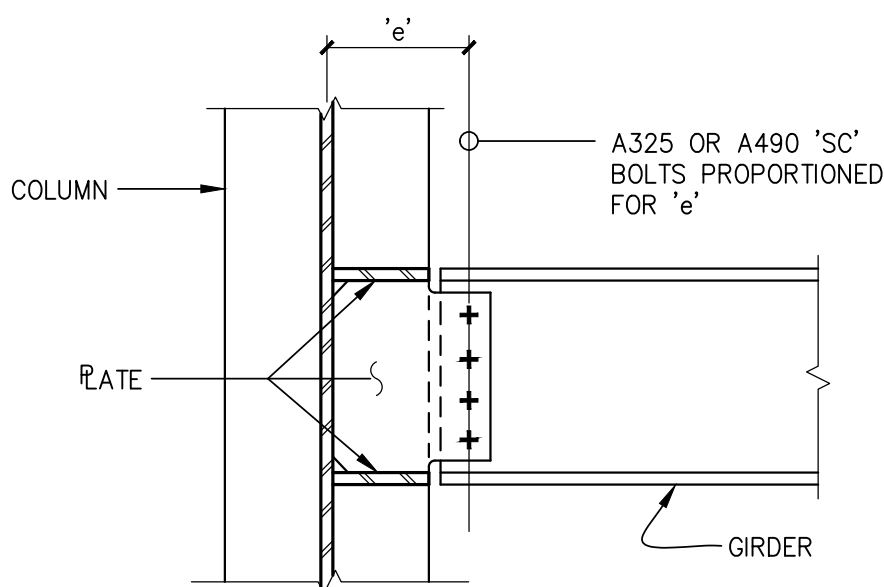
1. ALL CONNECTIONS SHALL BE DESIGNED FOR VALUES GIVEN ABOVE UNLESS A HIGHER VALUE IS SHOWN ON PLAN.
2. ALL REACTIONS LISTED ABOVE AND/OR ON PLAN ARE FACTORED LOADS.



**TYPICAL BEARING DETAIL FOR STEEL BEAM SUPPORTED ON CMU WALL**



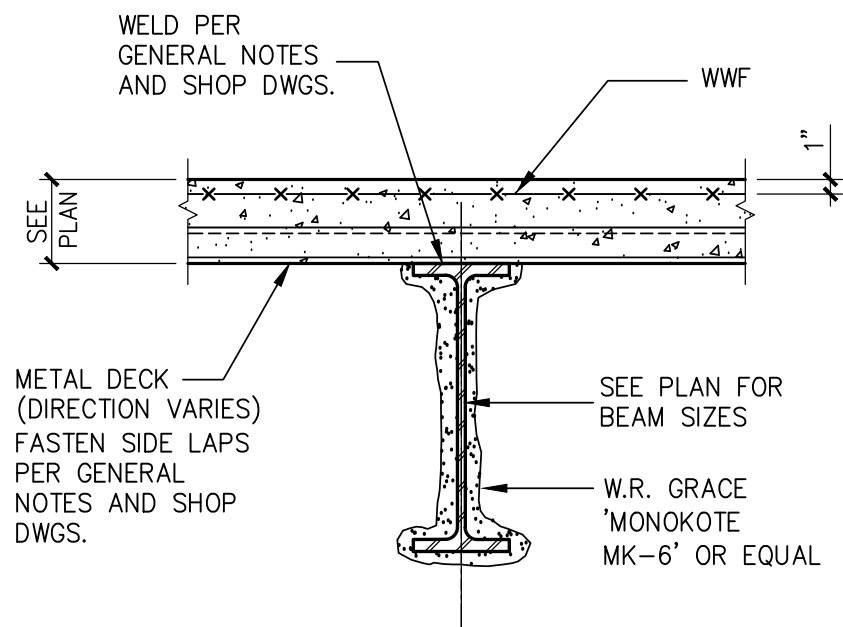
**TO COLUMN FLANGE**



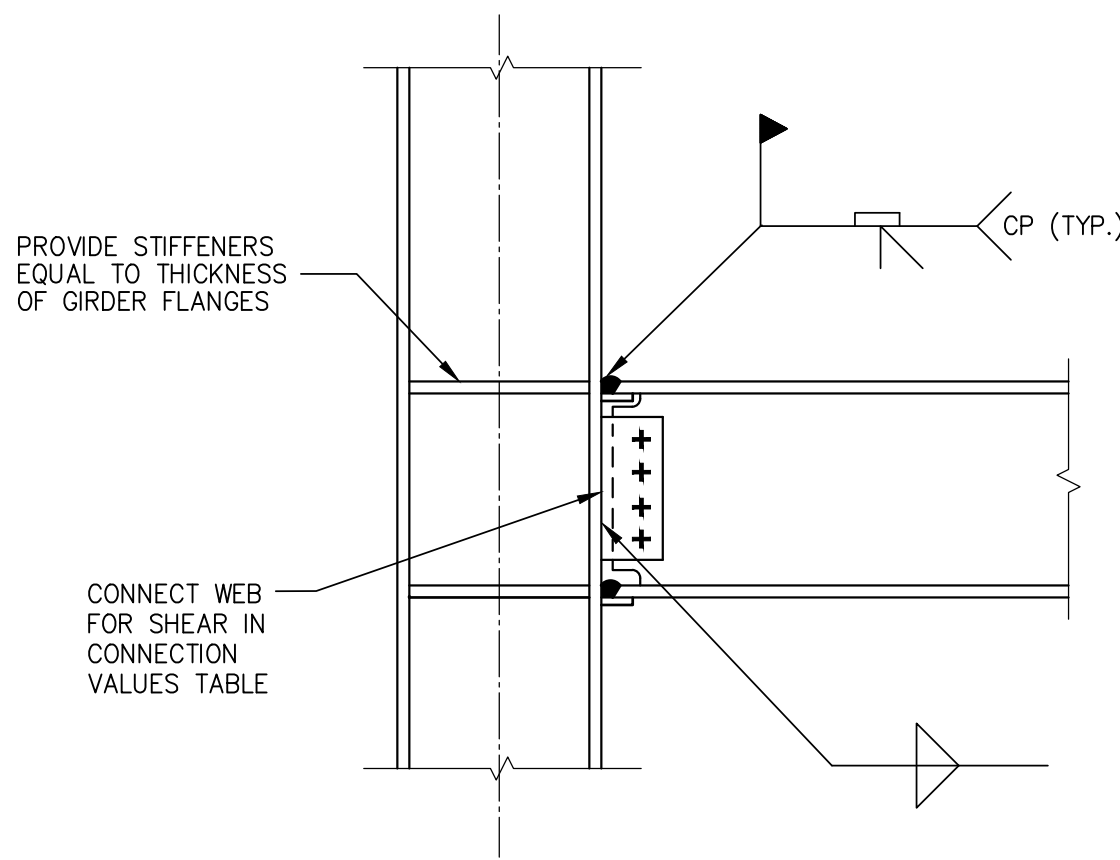
**TO COLUMN WEB**

NOTE: CONNECTIONS SHALL BE PROPORTIONED FOR MINIMUM VALUES IN GENERAL NOTES OR LOAD SHOWN ON PLAN, WHICHEVER IS GREATER.

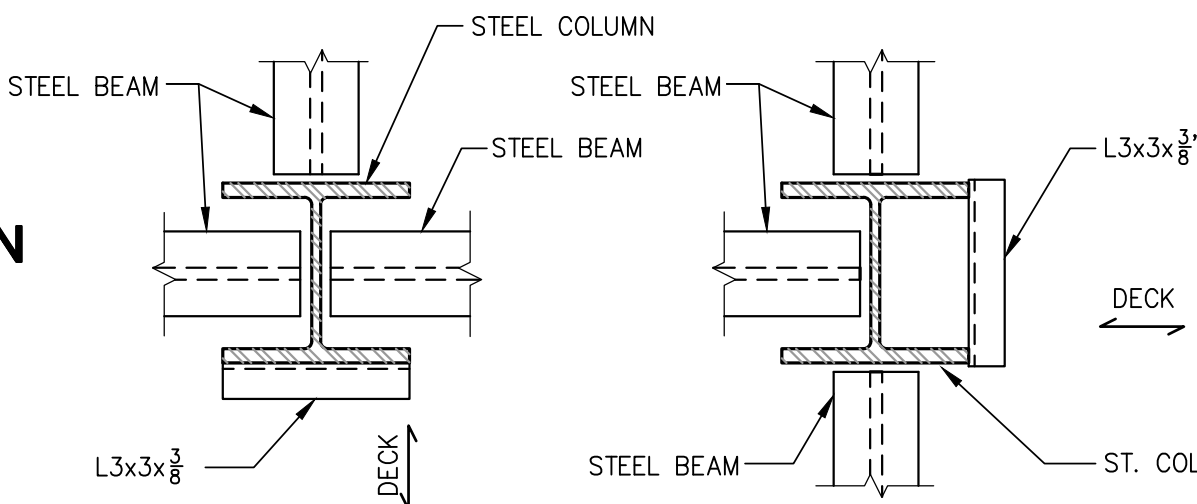
**TYPICAL GIRDER-TO-COLUMN CONNECTION**  
(TYPICAL UNLESS SHOWN OR NOTED OTHERWISE)



**TYPICAL FLOOR & ROOF BEAM SECTION**



**TYPICAL GIRDER-TO-COLUMN MOMENT CONNECTION**



**TYPICAL SUPPORT OF FLOOR DECK AT COLUMNS**

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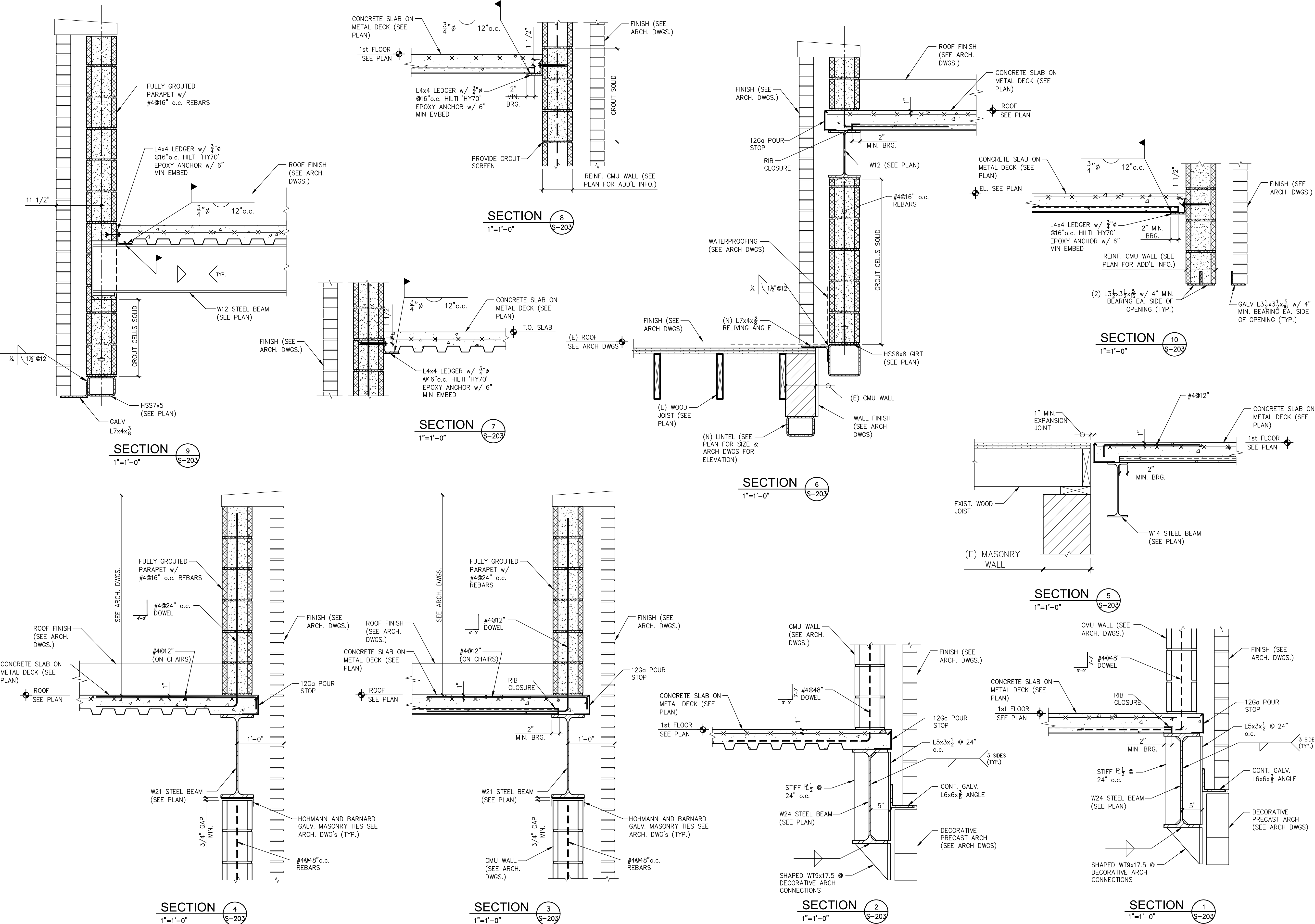
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& DETAILS

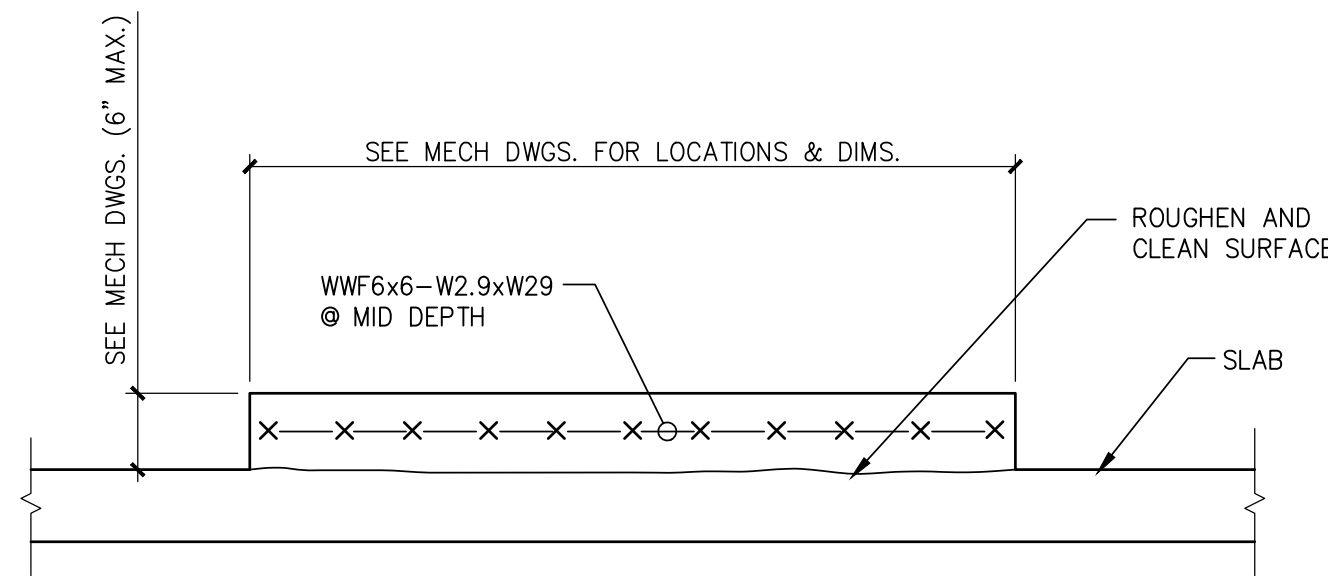
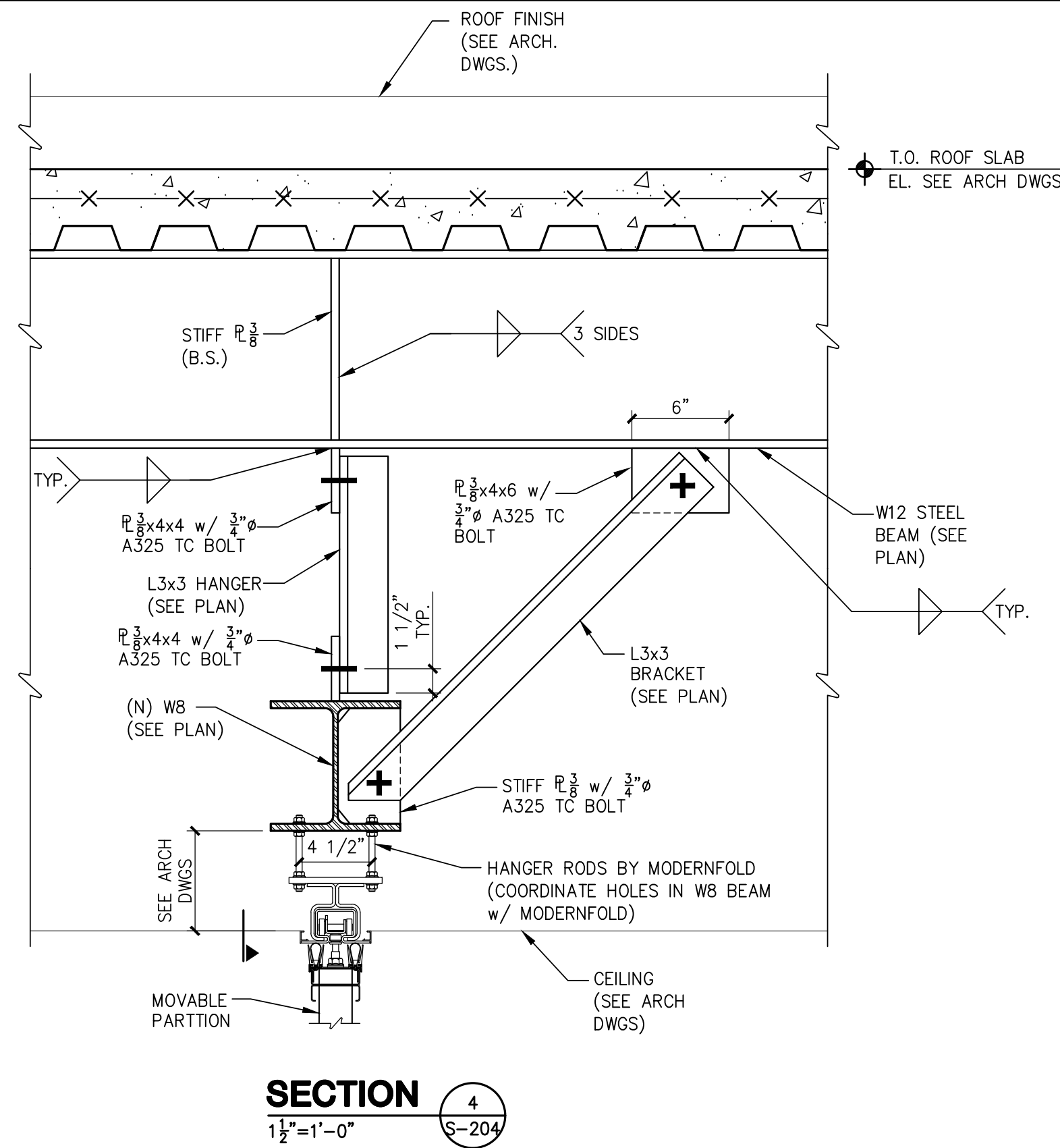
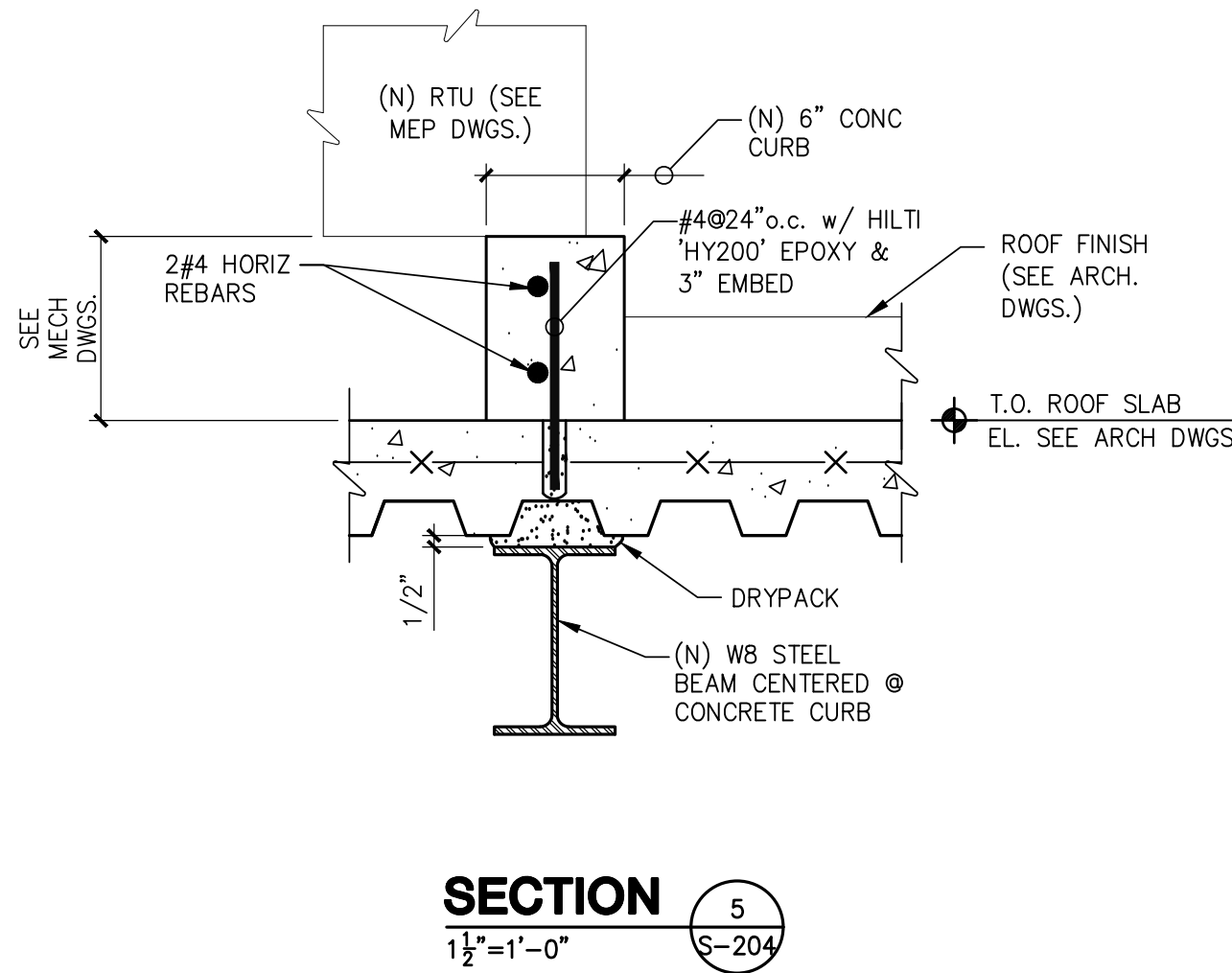
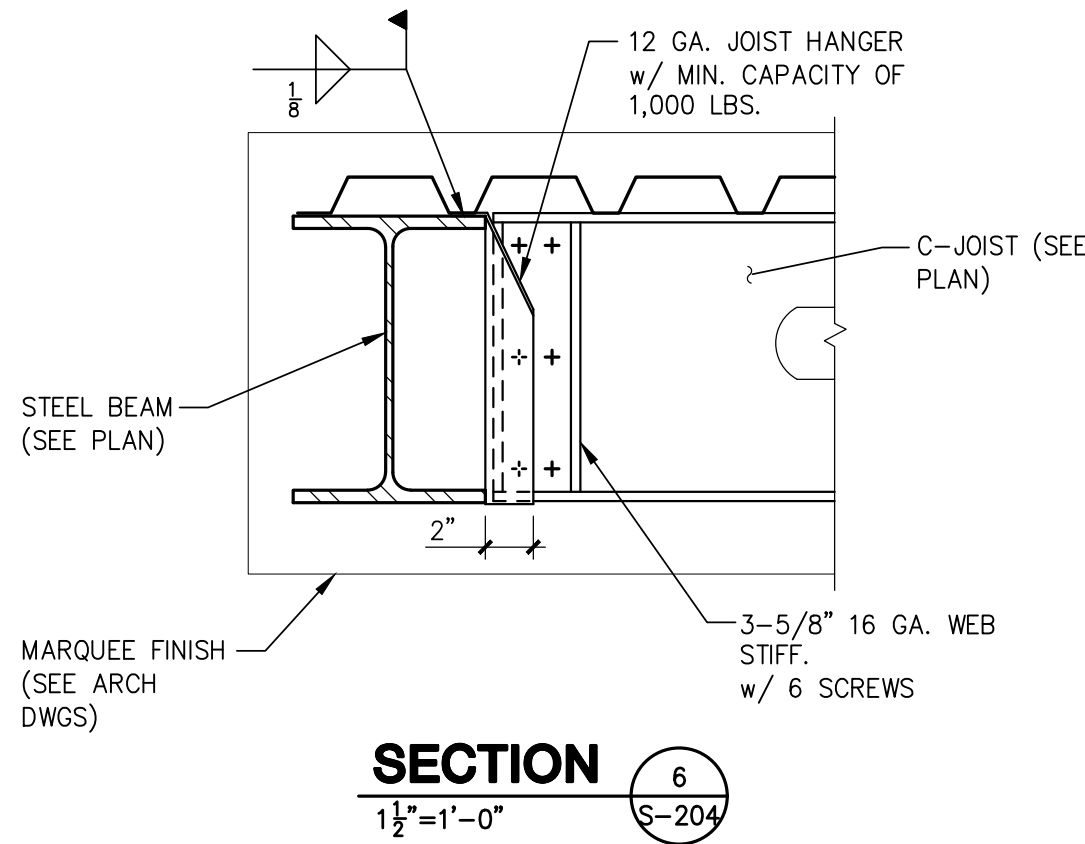
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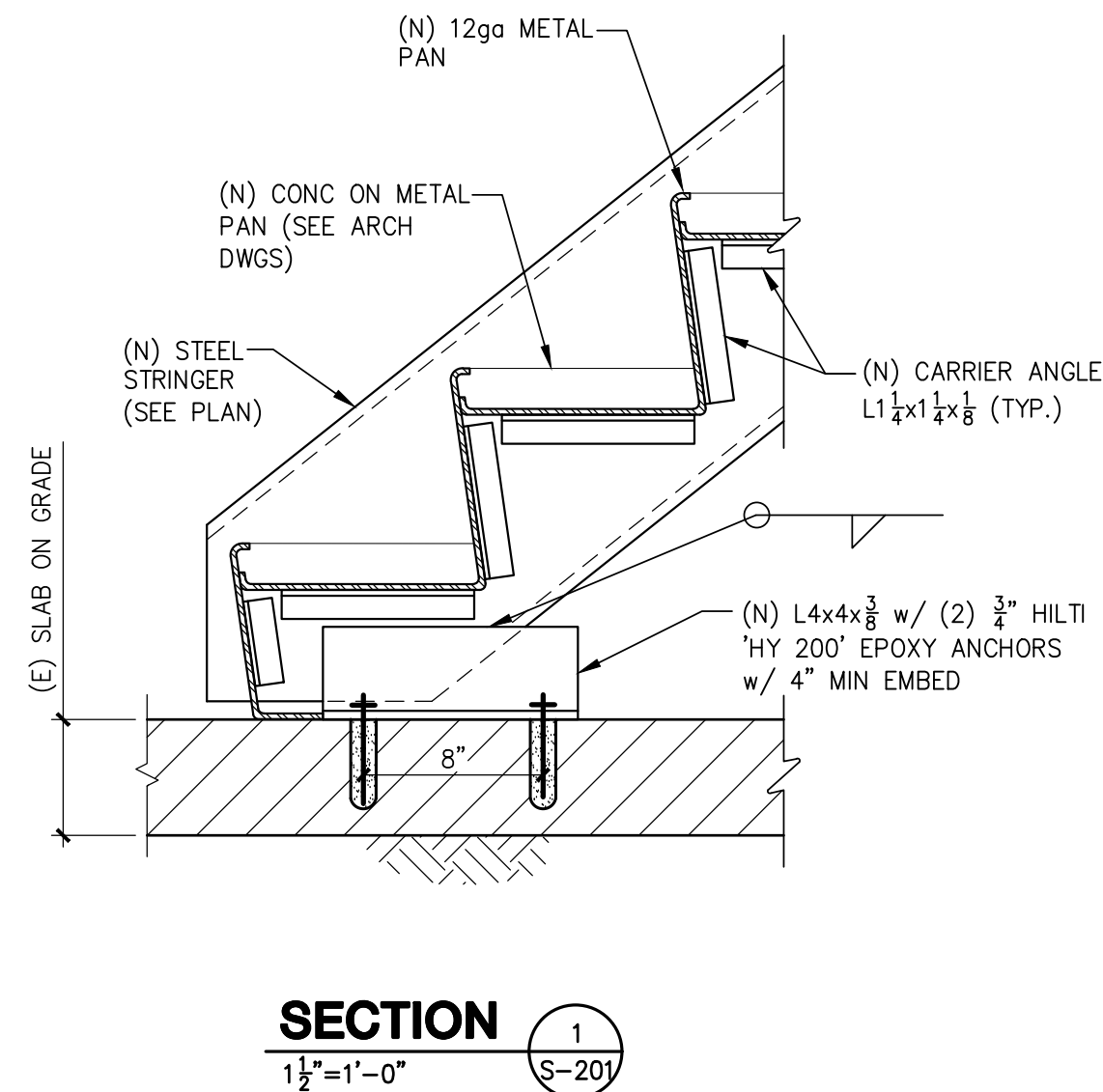
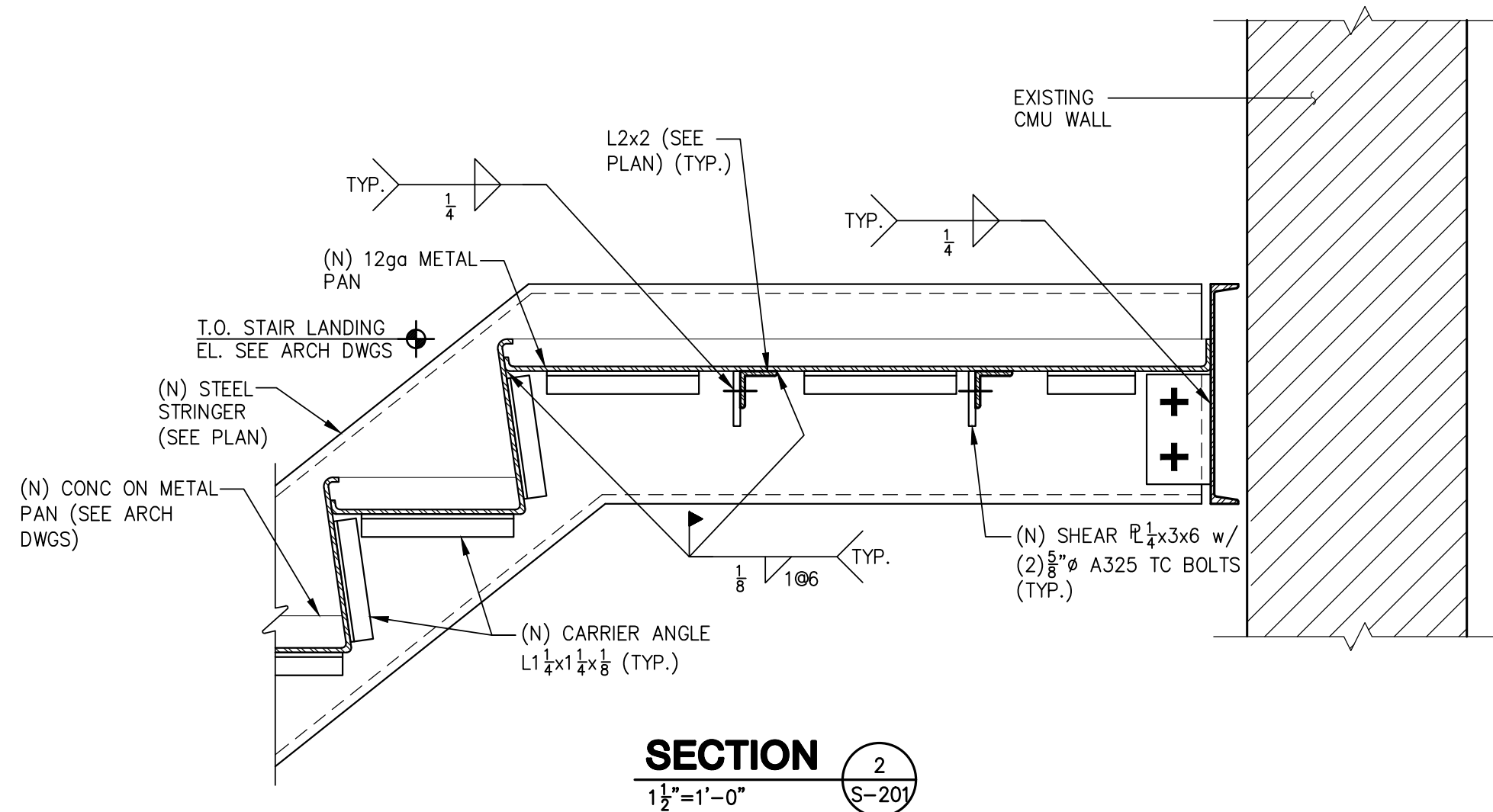
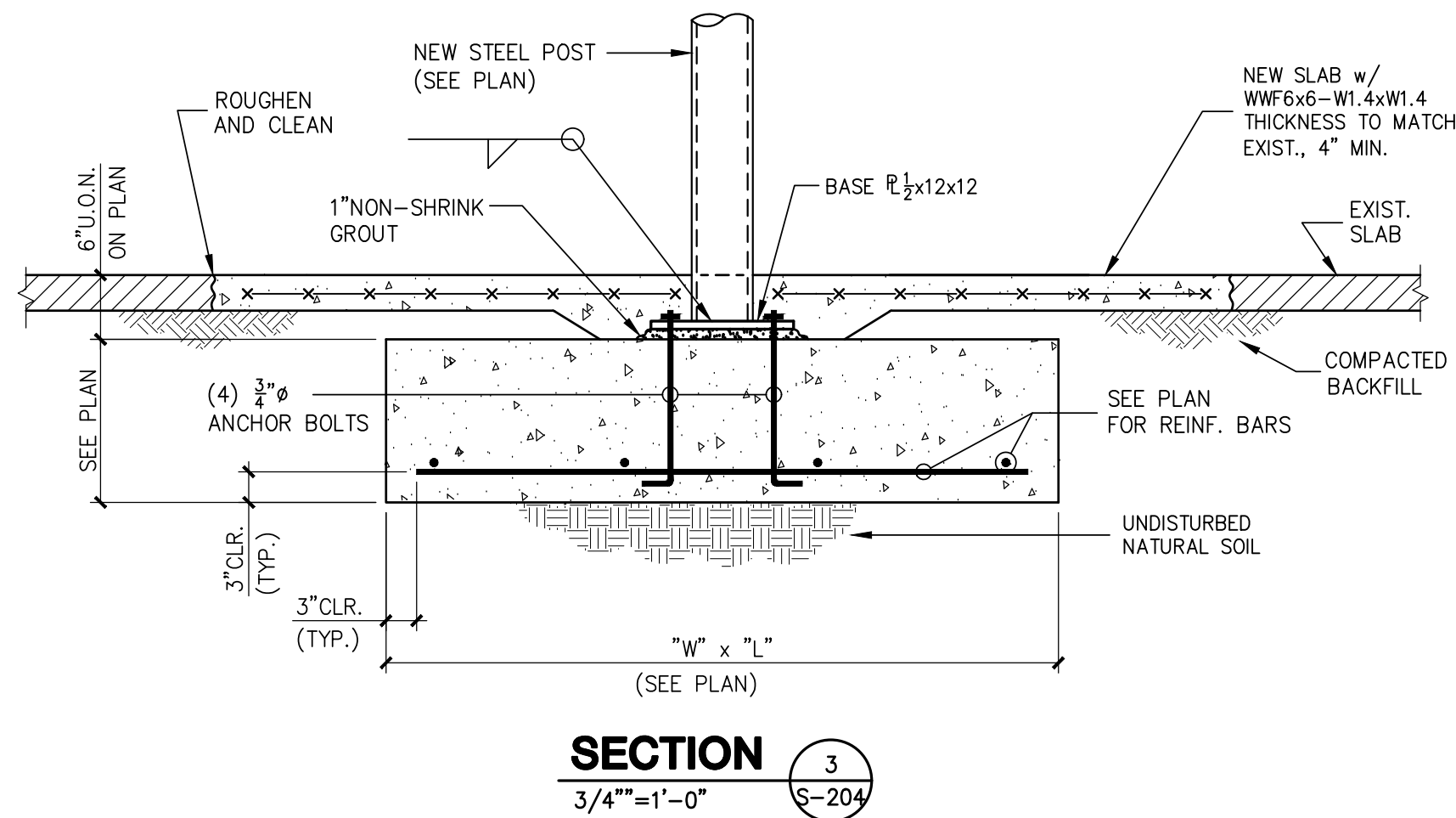
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TYPICAL HOUSEKEEPING PAD DETAIL



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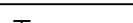
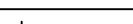
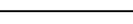




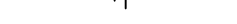
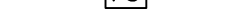
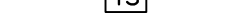
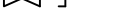












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S-204



SYMBOLS AND ABBREVIATIONS			GENERAL NOTES	EQUIPMENT NOTES
SYMBOL	ABBREVIATION	DESCRIPTION		
	EX.	EXISTING TO REMAIN	A.) THE REVISED SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN EXPERIENCED FIRE PROTECTION CONTRACTOR IN STRICT ACCORDANCE WITH NFPA-13, THE REQUIREMENTS OF THE LANDLORD, LANDLORD'S FIRE INSURANCE UNDERWRITER, AND ALL GOVERNMENTAL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PREMISES.	1. <u>WATER FLOW ALARM SWITCH:</u> WATERFLOW ALARM SWITCH SHALL BE PROVIDED TO INDICATE WATER FLOW AND PROVIDE A WATER FLOW ALARM. FLOWSWITCH IS BASED ON POTTER VSR SERIES. SWITCH SHALL BE UL LISTED, FM APPROVED AND ENCLOSED IN A WEATHERPROOF, 4X, NEMA 4-RATED ENCLOSURE INCORPORATING TAMPER-RESISTANT SCREWS. THERE SHALL BE TWO SETS OF SPDT (FORM C) CONTACTS RATED AT 10.0 A @ 125/250 VAC AND 2.5 A @6/12/24 VDC.
	NEW	NEW WORK		
	DEM.	EXISTING TO BE REMOVED		
	—	ELBOW UP	B.) THE CONTRACTOR SHALL OBTAIN AND FAMILIARIZE HIMSELF WITH THE BUILDING DESIGN CRITERIA AND CONSTRUCTION REQUIREMENTS PRIOR TO SUBMITTING BID. IN THE EVENT OF A DISCREPANCY BETWEEN THE BUILDING DESIGN CRITERIA AND THESE SPECIFICATIONS, THE BUILDING DESIGN CRITERIA SHALL PREVAIL AND THE DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.	2. <u>ELECTRICAL SPRINKLER SYSTEM ALARM BELL:</u> SHALL BE BASED ON POTTER MODEL MBA-6 DC ALARM BELL AND SHALL BE COMPLETE WITH BBX WEATHER PROOF BACK BOX.
	—	ELBOW DOWN		
	—	TEE DOWN		
	—	TEE UP	C.) COORDINATE ALL WORK WITH OTHER TRADES TO MINIMIZE INTERFERENCES WITH NEW AND EXISTING FACILITIES, TO FACILITATE TIMELY COMPLETION AND AVOID NECESSITY FOR CUTTING AND PATCHING. FURNISH TO OTHER AFFECTED TRADES ALL NECESSARY INFORMATION, WORKING DRAWINGS OR MATERIALS REQUIRED FOR INSTALLATION AND COMPLETION OF ALL WORK.	3. <u>TAMPER SWITCHES:</u> SHALL BE AS MANUFACTURED BY POTTER ELECTRIC SIGNAL CO. FOR EACH POSSIBLE SHUT-OFF VALVE TYPE: <ul style="list-style-type: none"><li>• MODEL OSYSU-2 – FOR OS&amp;Y VALVES.</li><li>• MODEL PCVS-2 – FOR BUTTERFLY VALVES.</li><li>• MODEL RBVS – FOR BALL VALVES.</li><li>• MODEL PTS-C PLUG TYPE – FOR GATE VALVES.</li></ul>
	—	PIPE CAP OR FLUSHING CONNECTION		
	—	GATE VALVE		
	—	OS&Y GATE VALVE	D.) CONTRACTOR SHALL CONDUCT HYDRANT FLOW TEST TO ESTABLISH EXACT FLOW AND PRESSURE AVAILABLE ON THE SITE FOR PREPARATION OF HYDRAULIC CALCULATIONS.	THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL TAMPER, WATER FLOW, PRESSURE, TEMPERATURE, WATER LEVEL, ETC. SWITCHES AND ALARMS. COORDINATE WITH FIRE ALARM CONTRACTOR TO ENSURE ALL REQUIRED ALARMS / SIGNALS REPORT TO FIRE ALARM PANEL.
	—	BUTTERFLY VALVE		
	—	CHECK VALVE		
	—	UNION	E.) ALTER PIPING AS REQUIRED TO SUIT CEILING HEIGHTS, DUCTWORK, AND LIGHTS. PROVIDE AT NO EXTRA COST ALL ADDITIONAL PIPING AND FITTINGS REQUIRED TO OFFSET SYSTEM TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL INTERFERENCES, WHETHER INDICATED OR NOT, BEFORE INSTALLING WORK.	6. <u>FLOOR CONTROL VALVE ASSEMBLY:</u> SHALL BE BASED ON VICTAULIC FIRELOCK COMMERCIAL ZONE RISER MODULE WITH DRAIN CONNECTION AND SIGHT GLASS. PROVIDE VICTAULIC FIRELOCK BUTTERFLY VALVE AND CHECK VALVE OR EQUAL BEFORE RISER MODULE. PROVIDE WATER FLOW ALARMS WHERE INDICATED ON THE DRAWINGS AS MANUFACTURED BY POTTER-ROEMER AND EQUAL TO MODEL NO. 6200 SERIES. OR APPROVED EQUAL.
	—	TEMPERATURE GAGE		
	—	PRESSURE GAGE		
	—	WATER FLOW SWITCH	F.) WHEN INSTALLING SPRINKLER HEADS, THE CONTRACTOR SHALL PROVIDE THE SHORTEST HYDRAULIC PIPE LENGTH BETWEEN THE FINAL SPRINKLER HEAD LOCATION AND THE BRANCH LINE CONNECTION. MINIMUM 1" FOR TWO HEADS, 1-1/4" FOR THREE HEADS AND 1-1/2" FOR FIVE HEADS.	7. <u>DRY VALVE:</u> SHALL BE BASED ON VICTAULIC FIRELOCK NXT COMPLETE WITH INDIVIDUAL COMPRESSOR, (SERIES 7C7) QUICK OPENING DEVICE (SERIES 746-LPA DRY ACCELERATOR), ALARM PRESSURE SWITCH, AIR SUPERVISORY PRESSURE SWITCH, AIR SUPPLY SYSTEM AND SERIES 75D WATER COLUMN KIT. ALARM AND SUPERVISORY SIGNALS SHALL BE CONNECTED TO BUILDING FIRE ALARM SYSTEM. REFER TO DETAILS. OR APPROVED EQUAL.
	—	TAMPER SWITCH		
	—	INSPECTORS TEST CONNECTION		
	—	FLOW ARROW	H.) INSTALL SPRINKLER HEADS TIGHT TO BOTTOM OF HUNG CEILING WITH CARE THAT THE FINISH IS NOT DAMAGED.	
	—	SPRINKLER GUARD		
	—	EXISTING SPRINKLER TO REMAIN		
	—	EXISTING SPRINKLER TO BE REMOVED	I.) WHEN CONCEALED TYPE SPRINKLER HEADS ARE USED, THE COVER PLATES WILL BE FLUSH WITH THE CEILING PLANE TO LIMIT SHADOW EFFECT. TOLERANCE GREATER THAN ± 1/8" IS UNACCEPTABLE.	
	—	NEW PENDENT SPRINKLER, CONCEALED OR EXPOSED AS NOTED.		
	—	NEW UPRIGHT SPRINKLER		
	—	SIDEWALL SPRINKLER	J.) PROVIDE TWO 2-1/2 GALLON PRESSURIZED WATER AND ONE 10 LB ABC DRY CHEMICAL EXTINGUISHERS FOR EMERGENCY USE DURING CONSTRUCTION.	
	—	POINT OF CONNECTION		
	—	POINT OF DISCONNECTION		
	—	HYDRAULIC REFERENCE NODE	K.) SPRINKLER PLAN SHOWS NEW, EXISTING TO REMAIN AND SPRINKLER HEADS TO BE REMOVED ONLY. ADD SPRINKLER HEADS AS SHOWN ON PLAN AND REUSE EXISTING BRANCH PIPING. MODIFY, EXTEND, AND SHORTEN PIPING AS REQUIRED.	
	—	HYDRAULIC REFERENCE SPRINKLER		
	FDC	FIRE DEPARTMENT CONNECTION		
	FP	FIRE PUMP	L.) FLOW, TAMPER AND ALARM DEVICES MUST BE TIED INTO THE BUILDING'S FIRE ALARM SYSTEM. ALL REQUIRED EXTENDER PANELS, CODE TRANSMITTERS, ETC. AS MAY BE REQUIRED TO INTEGRATE THE SYSTEM EXPANSION SHALL BE FURNISHED AND INSTALLED BY THE SPRINKLER CONTRACTOR.	
	AFF	ABOVE FINISHED FLOOR		
	AHC	ABOVE HUNG CEILING		
	ATC	AT CEILING	M.) TAMPER SWITCHES SHALL BE INSTALLED ON ALL OS&Y VALVES.	
	BFP	BACKFLOW PREVENTER		
	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY		
	DCV	DOUBLE CHECK VALVE BFP	N.) PROVIDE DRAIN VALVES AT MAIN SHUT-OFF VALVES, LOW POINTS, AND APPARATUS.	
	DN.	DOWN		
	FCA	FLOOR CONTROL ASSEMBLY		
	FD	FLOOR DRAIN	O.) THE SPRINKLER CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL UNIT HEATERS WITH THE MECHANICAL CONTRACTOR. SPRINKLER HEADS IN PROXIMITY TO THE UNIT HEATERS SHALL HAVE A TEMPERATURE RATING IN ACCORDANCE WITH NFPA-13 GUIDELINES.	
	FLFD	FUNNEL FLOOR DRAIN		
	GPM	GALLONS PER MINUTE		
	JP	JOCKEY PUMP	P.) PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL.	
	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
	(NO)	NORMALLY OPEN		
	(NC)	NORMALLY CLOSED	Q.) ALL HOSE CONNECTION AND FIRE DEPARTMENT CONNECTION THREADS SHALL BE TESTED TO VERIFY COMPATIBILITY WITH THREADS USED BY LOCAL FIRE DEPARTMENT, IN ACCORDANCE WITH NFPA-14, 8.3.	
	NTS	NOT TO SCALE		
	PRV	PRESSURE REDUCING VALVE		
	PSI	POUNDS PER SQUARE INCH	DESIGN CRITERIA	
	RPZ	REDUCED PRESSURE ZONE BFP		
	SF	SQUARE FOOT		
	TS	TAMPER SWITCH	1. WHERE REQUIRED BY THE BUILDING DEPARTMENT FOR PERMIT, THE ENTIRE SYSTEM SHALL BE HYDRAULICALLY CALCULATED BY THE CONTRACTOR TO MEET THE FOLLOWING CRITERIA: <ul style="list-style-type: none"><li>A. LIGHT HAZARD OCCUPANCY: DENSITY .10 GPM PER SQ. FT. OVER MOST HYDRAULICALLY REMOTE 1500 SQ. FT., MAXIMUM COVERED PER SPRINKLER HEAD 225 SQ. FT.</li><li>B. ORDINARY HAZARD GROUP 1 OCCUPANCY: DENSITY .15 GPM PER SQ. FT. OVER MOST HYDRAULICALLY REMOTE 1500 SQ. FT.</li></ul>	
	TYP	TYPICAL		
	U.O.N.	UNLESS OTHERWISE NOTED		
			2. MINIMUM PRESSURE AT SPRINKLER HEAD SHALL BE 7 PSI.	
			3. EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA 13 – 2013 EDITION.	
			4. DISCHARGE FROM EACH SPRINKLER HEAD SHALL NOT BE LESS THAN FOR REQUIRED AREA COVERAGE BY THIS HEAD. AREA COVERAGE PER HEAD SHALL BE DETERMINED IN ACCORDANCE WITH NFPA STANDARD NO. 13, PARAGRAPH 8.6.2.2.1.	
			5. HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO CONNECTION TO THE BOOSTER PUMP LOCATED IN THE BASEMENT.	
			6. FLOW VELOCITY IN PIPING SHALL NOT EXCEED 20 FPS.	



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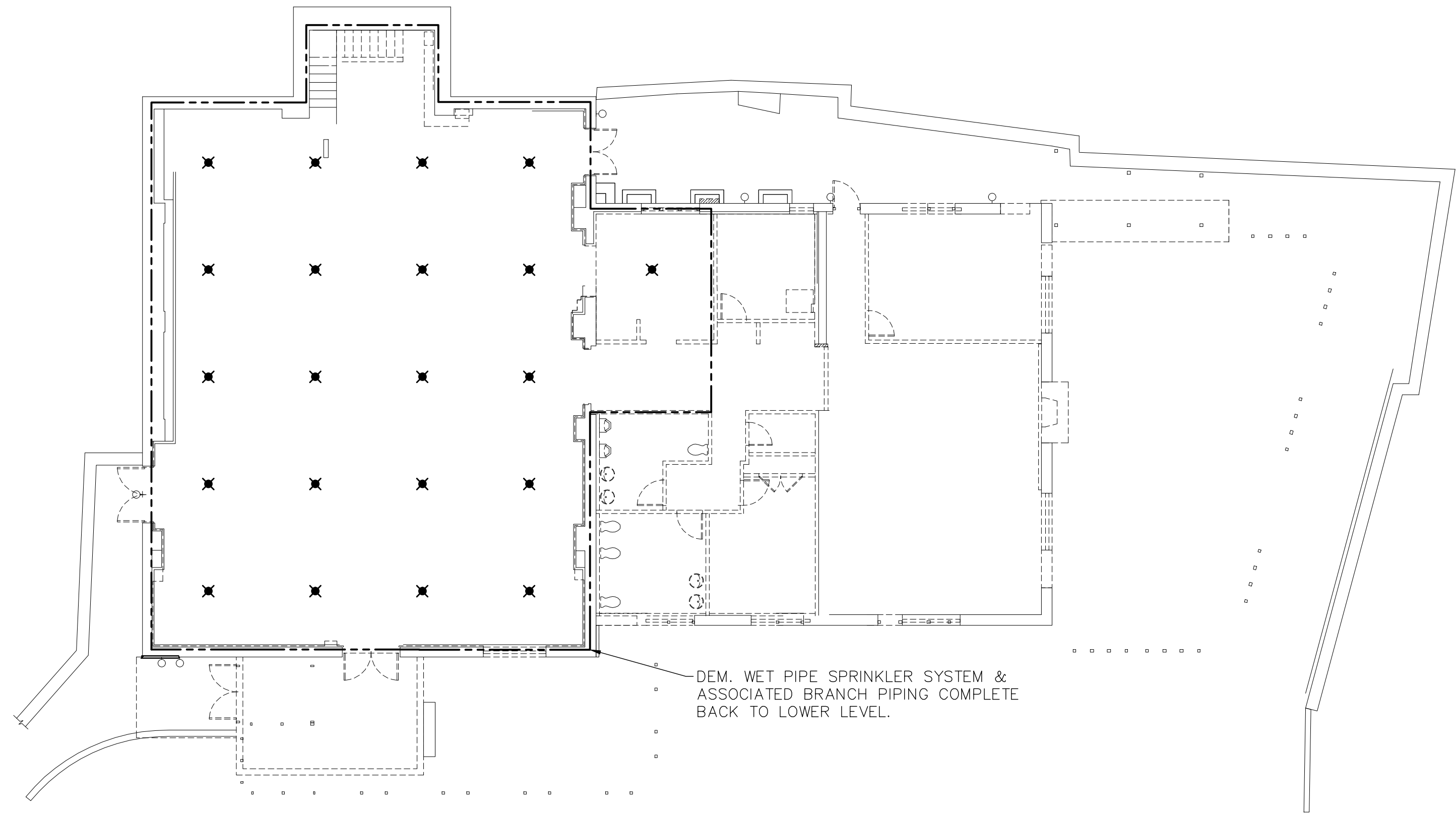
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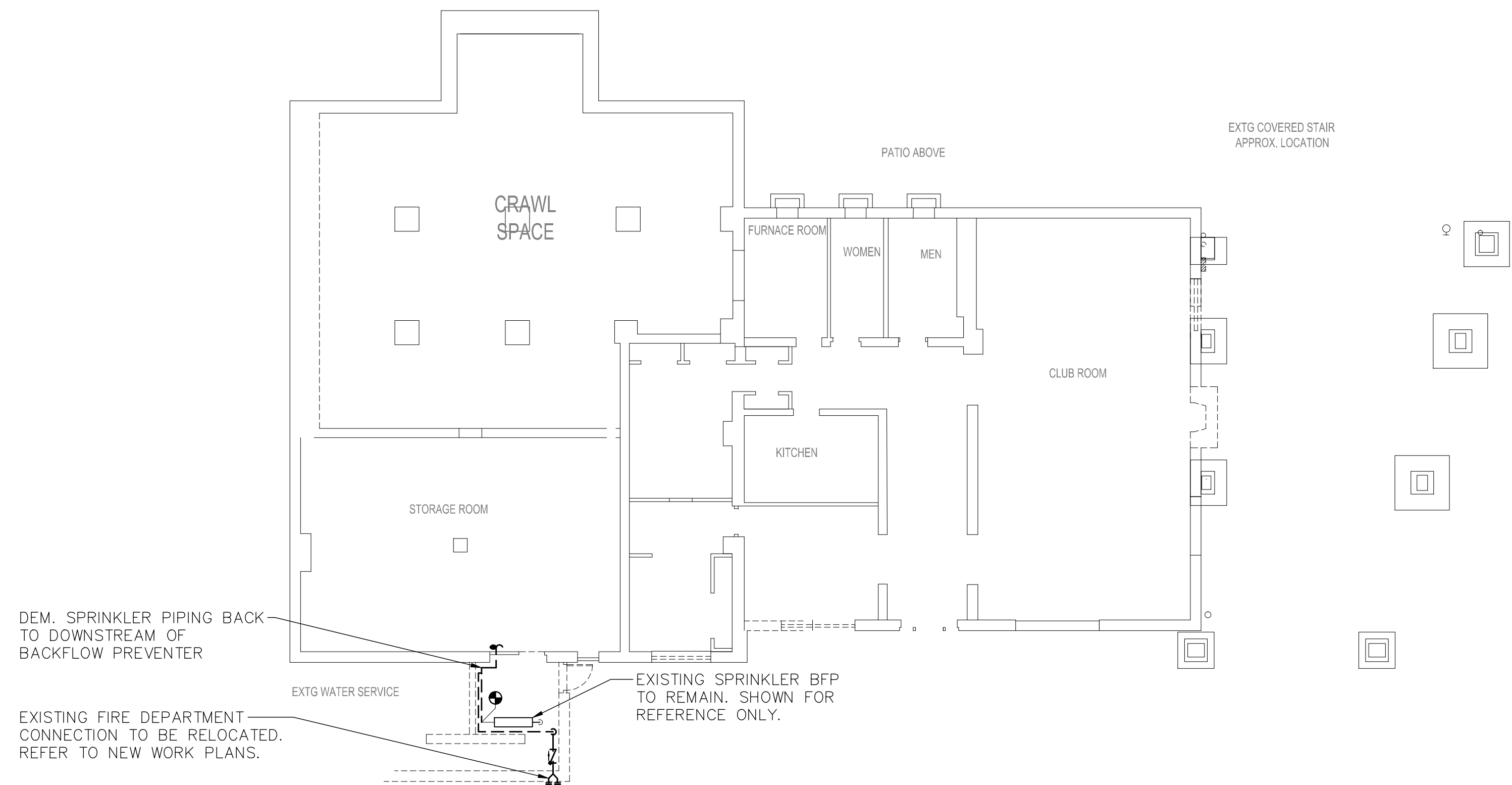
SPRINKLER SYMBOLS,  
ABBREVIATIONS & NOTES

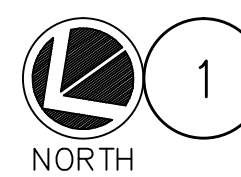
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 **2** SPRINKLER MAIN FLOOR DEMOLITION PLAN  
SCALE: 3/32" = 1'-0"



 **1** SPRINKLER LOWER DEMOLITION PLAN  
SCALE: 3/32" = 1'-0"



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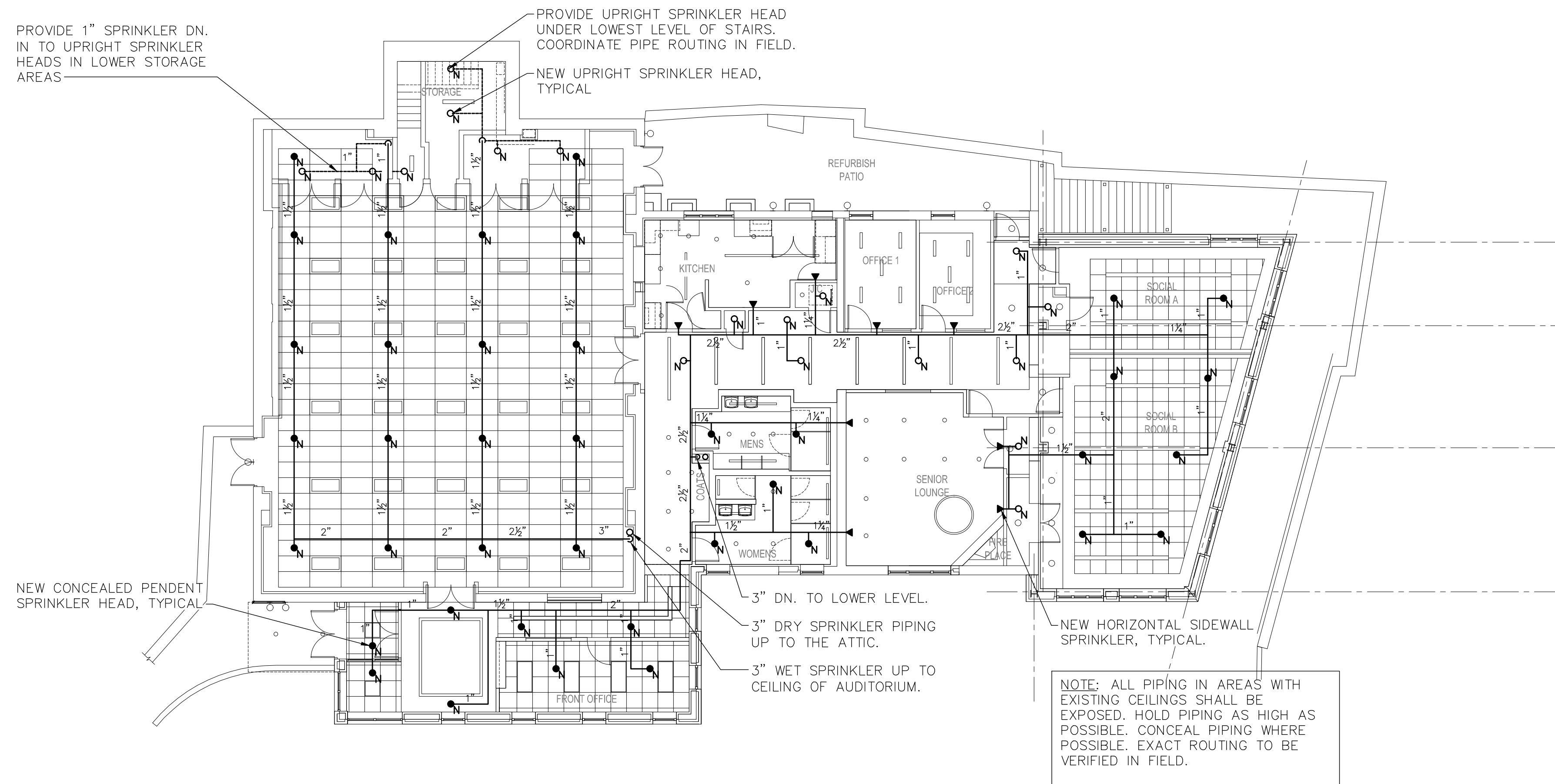
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**SPRINKLER  
DEMOLITION PLANS**

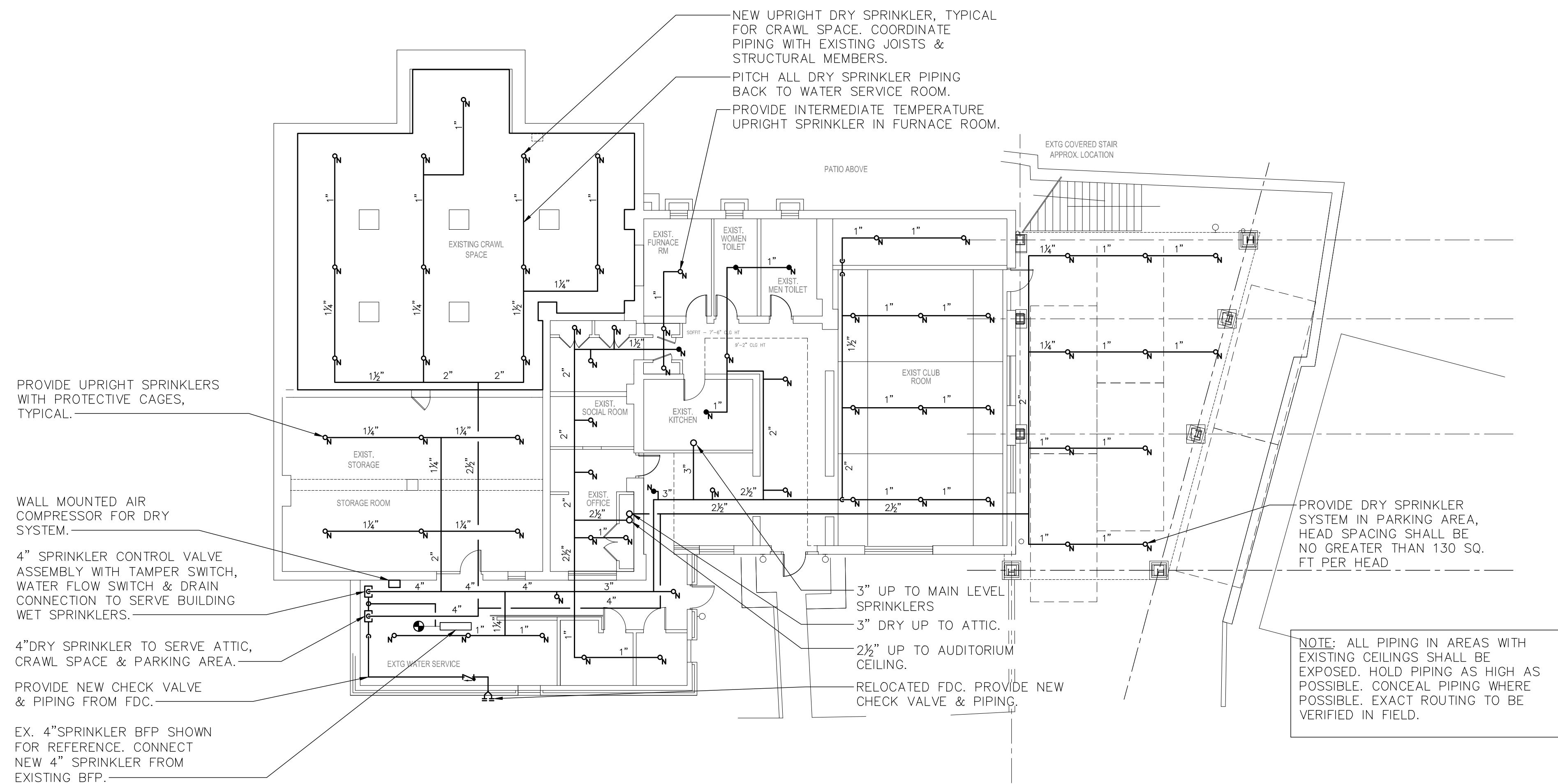
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**SP1.1**





**2 SPRINKLER MAIN FLOOR NEW WORK PLAN**  
SCALE: 3/32" = 1'-0"  
NORTH



**1 SPRINKLER LOWER LEVEL NEW WORK PLAN**  
SCALE: 3/32" = 1'-0"  
NORTH

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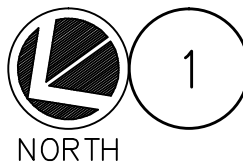
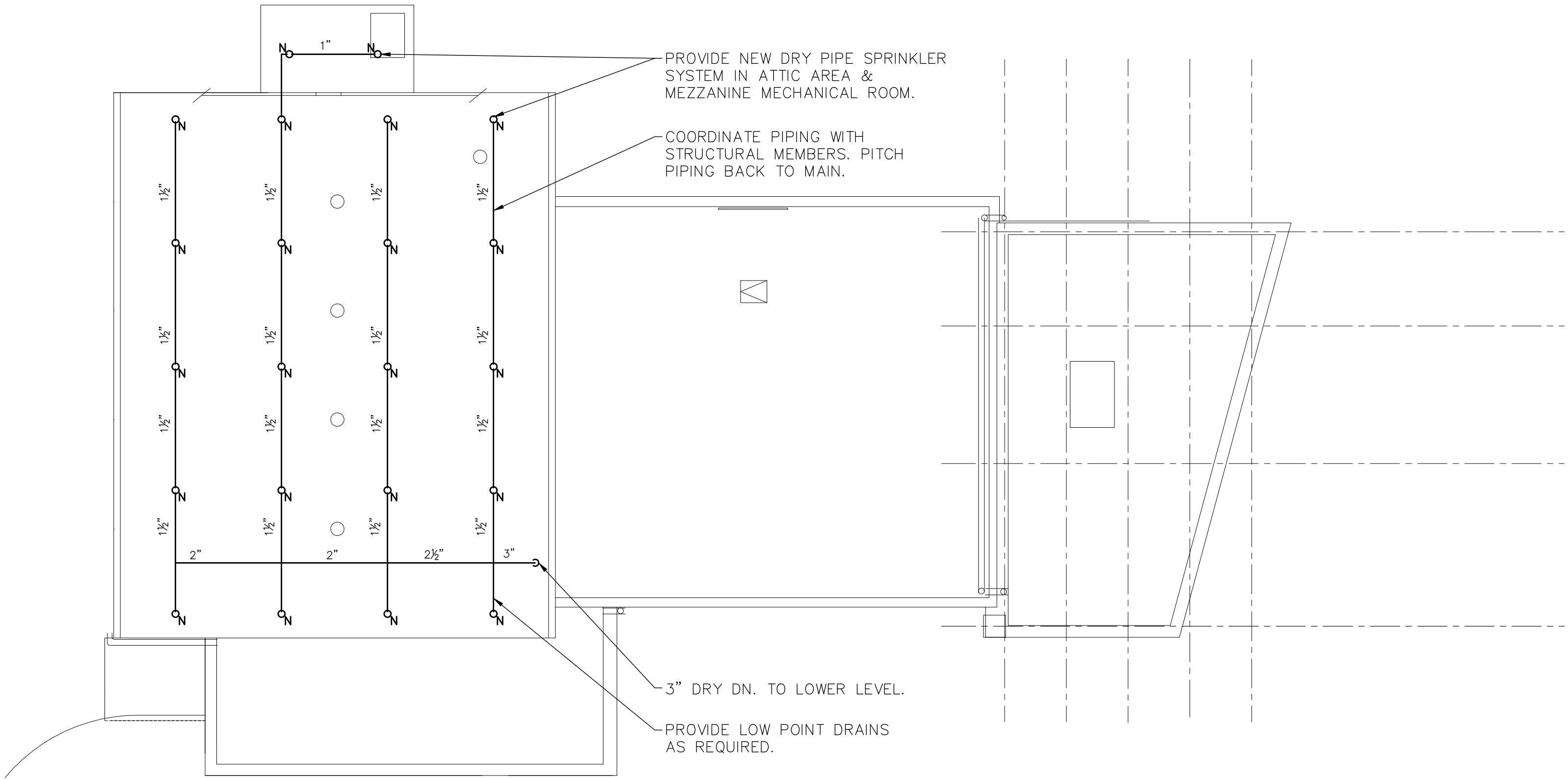
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SPRINKLER ATTIC  
NEW WORK PLAN

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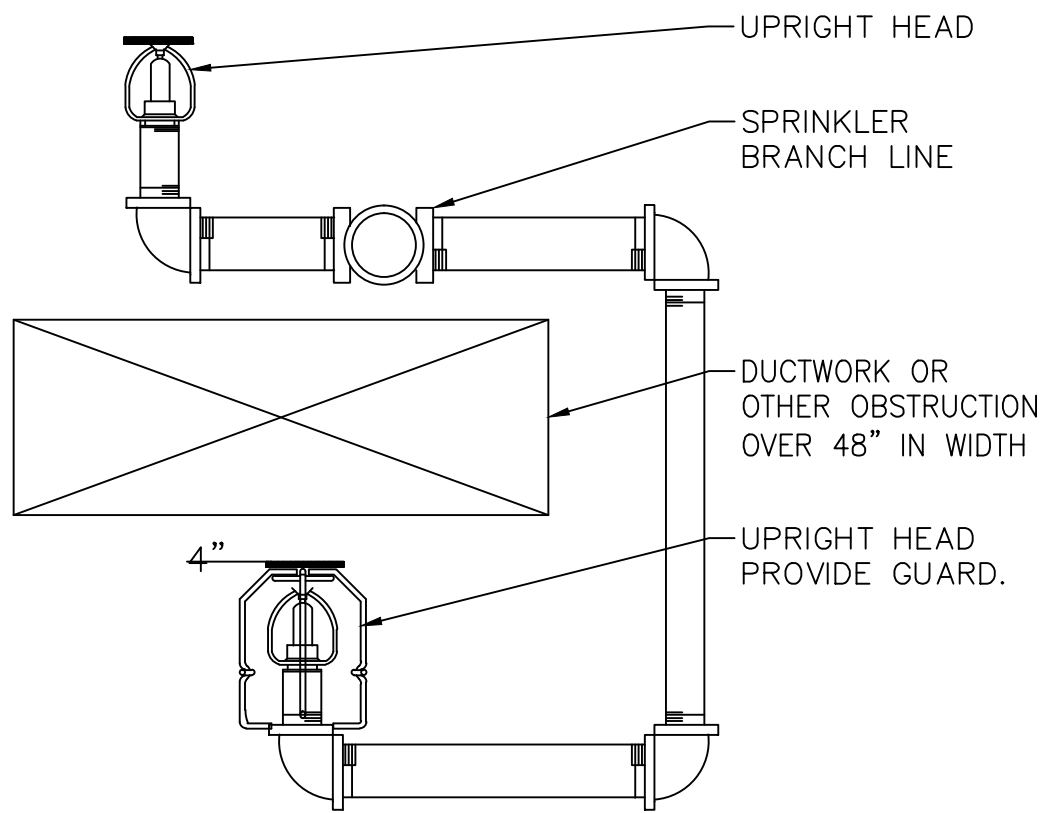
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SPRINKLER AUDITORIUM ATTIC NEW WORK PLAN  
SCALE: 1/8" = 1'-0"



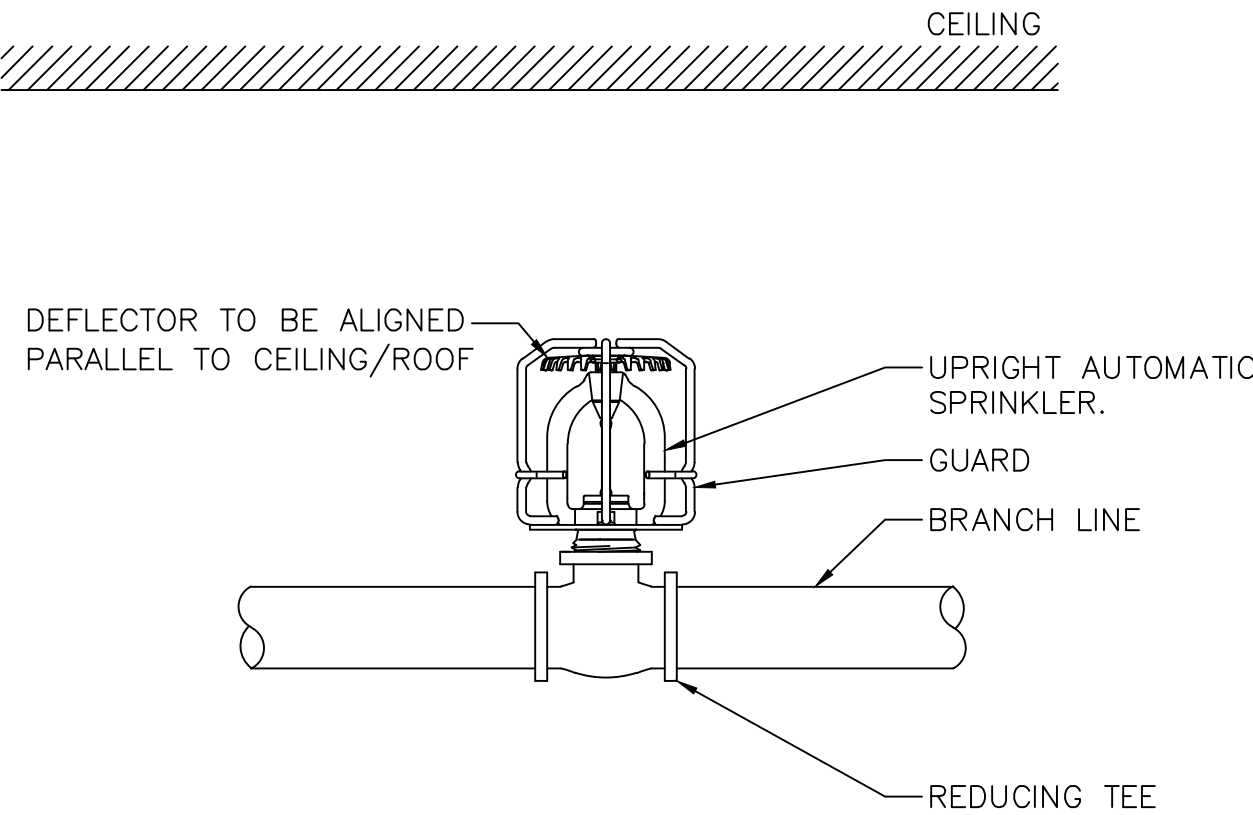
SPRINKLER HEAD SCHEDULE								
SYM.	TYPE	LOCATION	FINISH	MANUF.	MODEL	HEAD TEMP.	MAX. CLG. TEMP.	K FACTOR
●	CONCEALED PENDENT	FINISHED AREAS PER PLANS	CHROME PLATED	RELIABLE	F1FR	165°F	100°F	1/2"
○	UPRIGHT	FINISHED AREAS PER PLANS	CHROME PLATED	RELIABLE	F1FR	165°F	100°F	1/2"
◄	SIDEWALL	FINISHED AREAS PER PLANS	CHROME PLATED	RELIABLE	F1FR	165°F	100°F	1/2"
○	UPRIGHT - DRY	ATTIC	BRASS	VIKING	V160	200°F	150°F	1/2"
NOTES: 1. SPRINKLERS BASED ON RELIABLE AUTOMATIC SPRINKLER COMPANY, INC. OR APPROVED EQUAL. 2. SPRINKLERS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. 3. PROVIDE METAL WIRE GUARDS WHERE SPRINKLERS ARE SUBJECT TO DAMAGE, SUCH AS SPRINKLER HEADS LOCATED UNDER MECHANICAL DUCTS IN MECHANICAL EQUIPMENT ROOMS WHEN LOCATED LOWER THAN 7'-0" AFF AND HEADS IN TRASH CHUTE. 4. ALL SPRINKLER HEADS THROUGHOUT THE PROJECT AREA SHALL BE OF THE ORDINARY TEMPERATURE RATING EXCEPT AS FOLLOWS: A. SPRINKLER HEADS LOCATED CLOSE TO HEATERS, STEAM PIPING OR LOW-PRESSURE BLOW-OFF VALVE SHALL BE OF THE TEMPERATURE RATING AS REQUIRED BY NFPA-13. B. ALL HEAT GENERATING EQUIPMENT WHICH CAN AFFECT THE TEMPERATURE RATING OF THE SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS PRIOR TO SUBMISSION FOR APPROVAL.								

11 SPRINKLER HEAD SCHEDULE  
SCALE: NONE

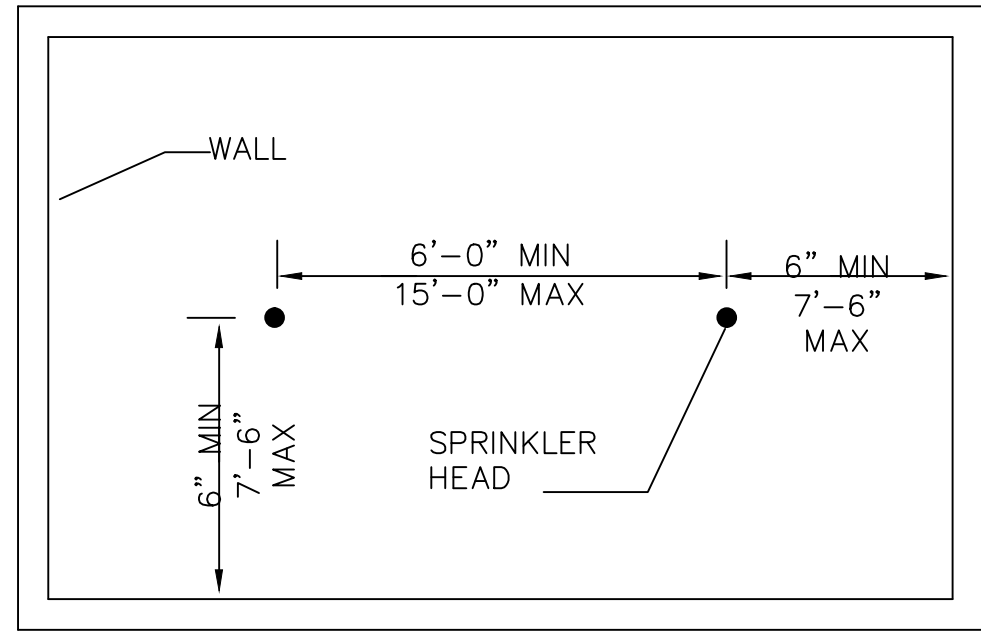


- NOTES:
1. SPRINKLER CONTRACTOR SHALL SPRINKLER ABOVE AND BELOW DUCT OR OTHER OBSTRUCTION OVER 48" IN WIDTH.
  2. SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE HVAC AND GENERAL CONTRACTOR.

9 SPRINKLER DETAIL ABOVE AND BELOW DUCT DETAIL  
SCALE: NONE

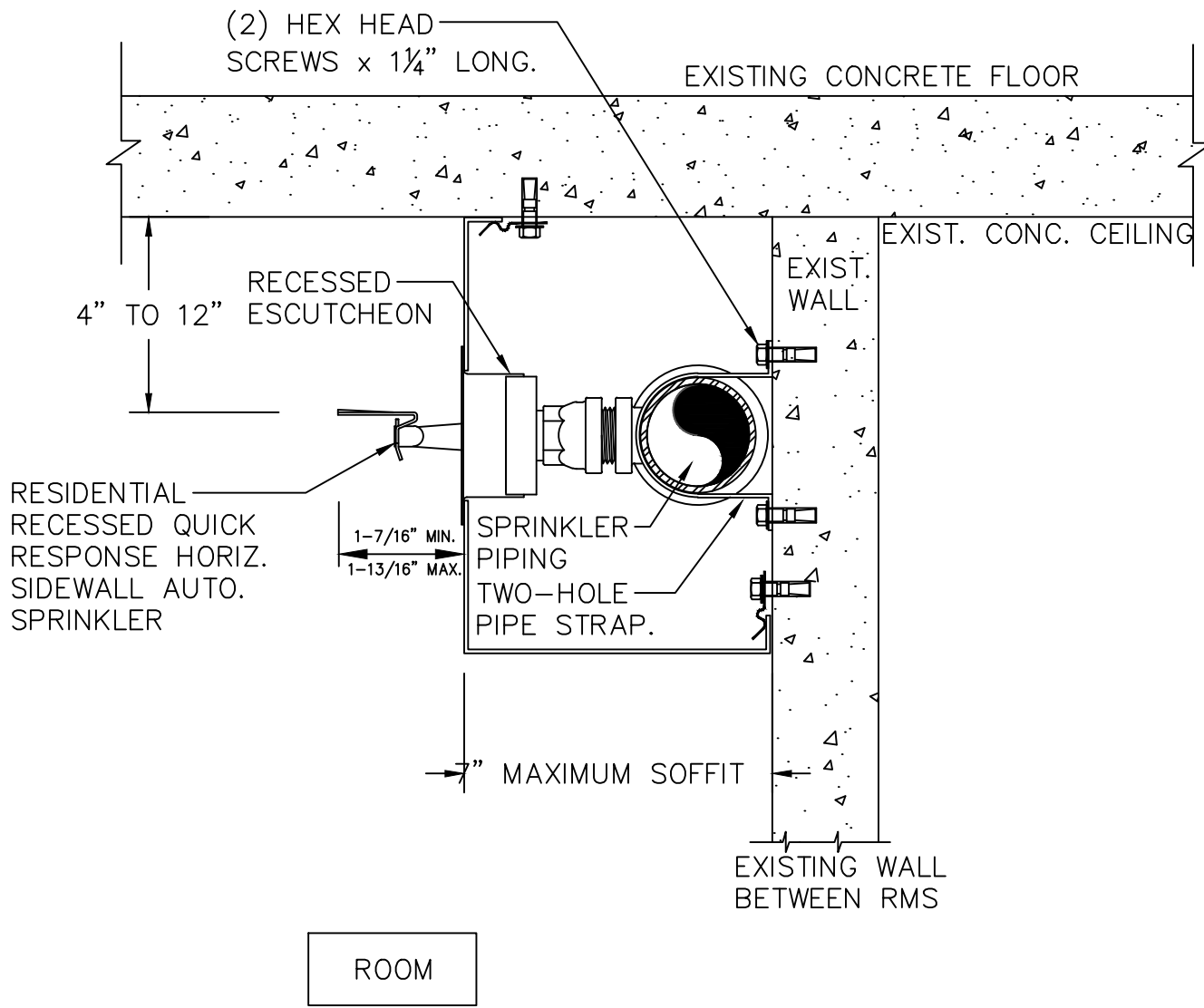


6 TYPICAL UPRIGHT SPRINKLER WITH GUARD  
SCALE: NONE

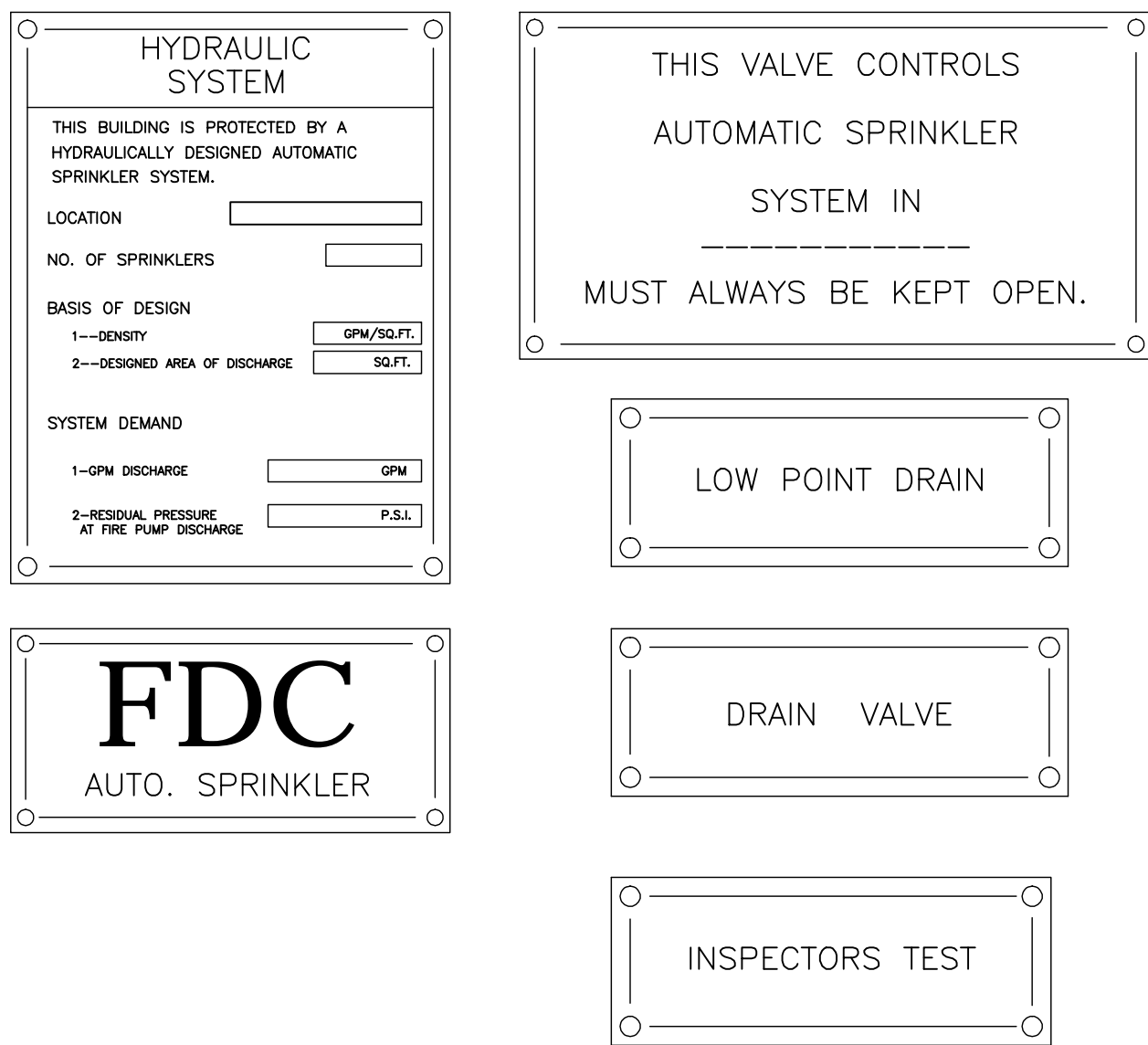


	MAX. AREA PER HEAD	DENSITY PER 1500 SQ. FT.
LIGHT HAZARD	225 SQ. FT.	0.10 GPM/SQ. FT.
ORDINARY HAZARD	130 SQ. FT.	0.16 GPM/SQ. FT.

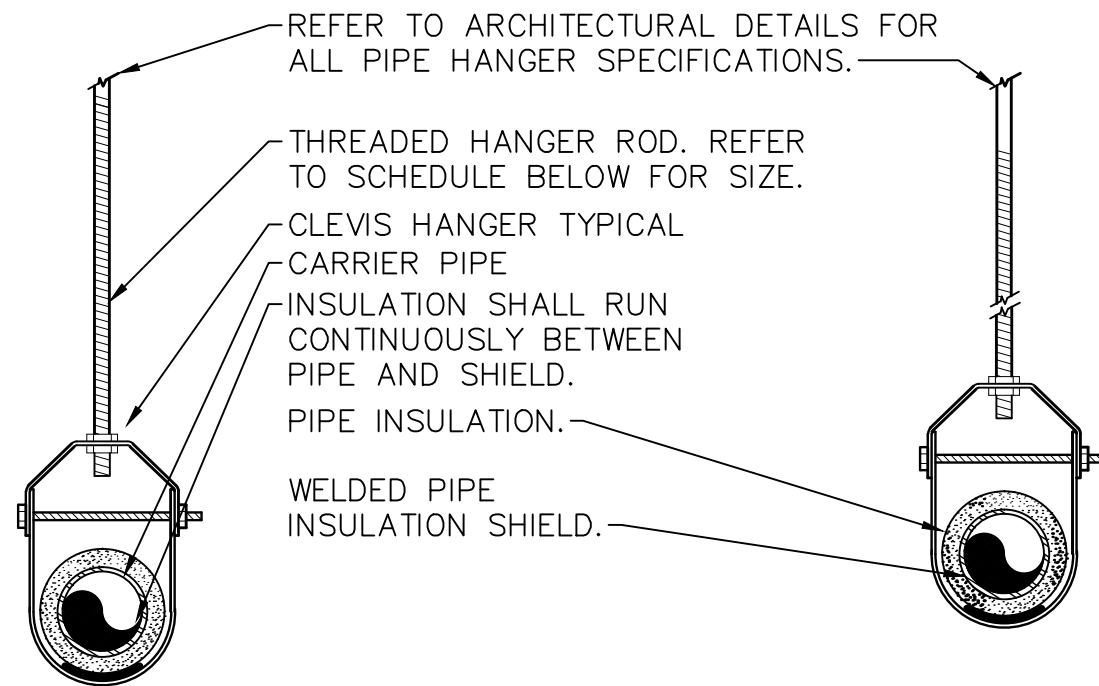
3 SPRINKLER HEAD SPACING CRITERIA  
SCALE: NONE



8 TYPICAL HORIZONTAL SIDEWALL SPRINKLER AGAINST WALL IN SOFFIT  
SCALE: NONE



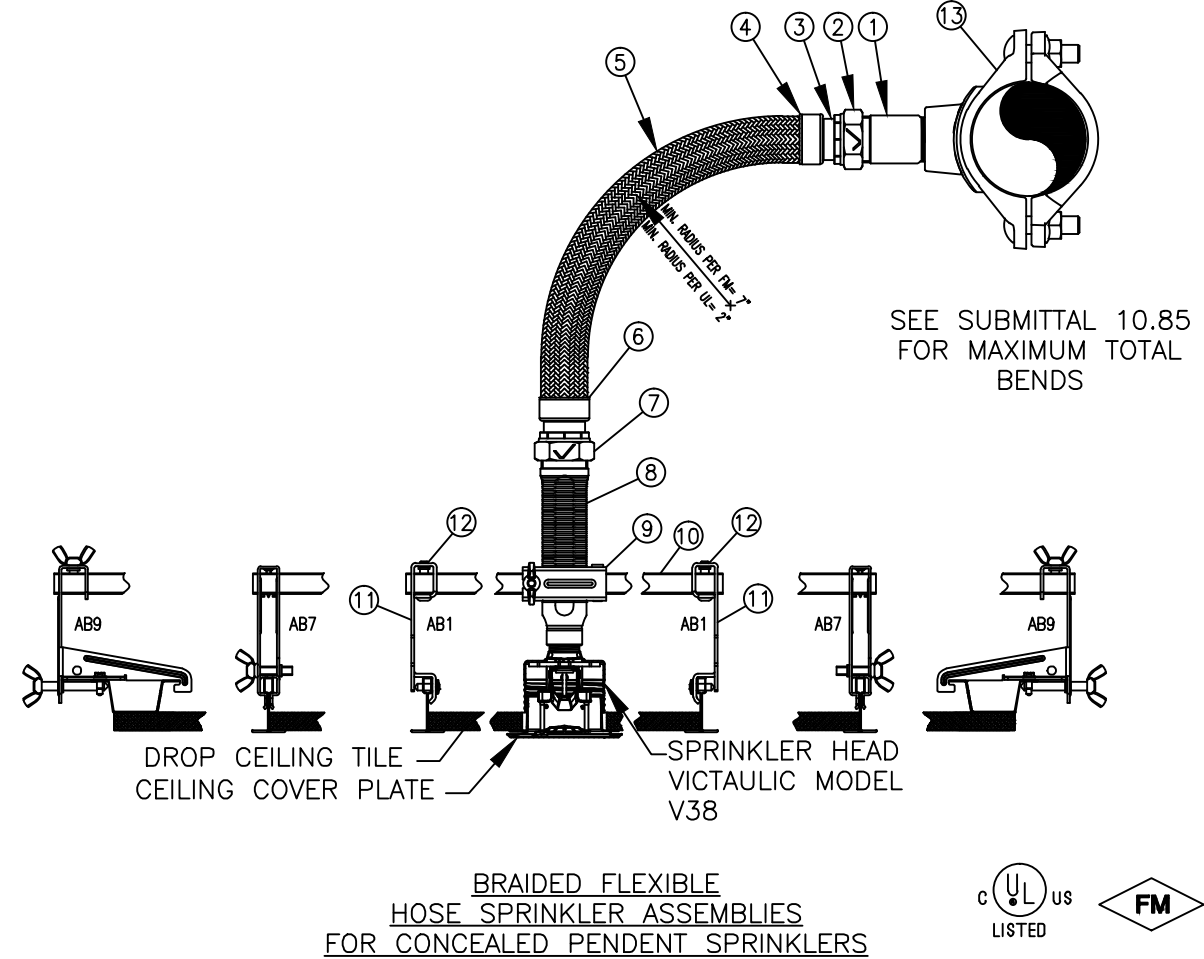
5 TYPICAL SIGNS  
SCALE: NONE



PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

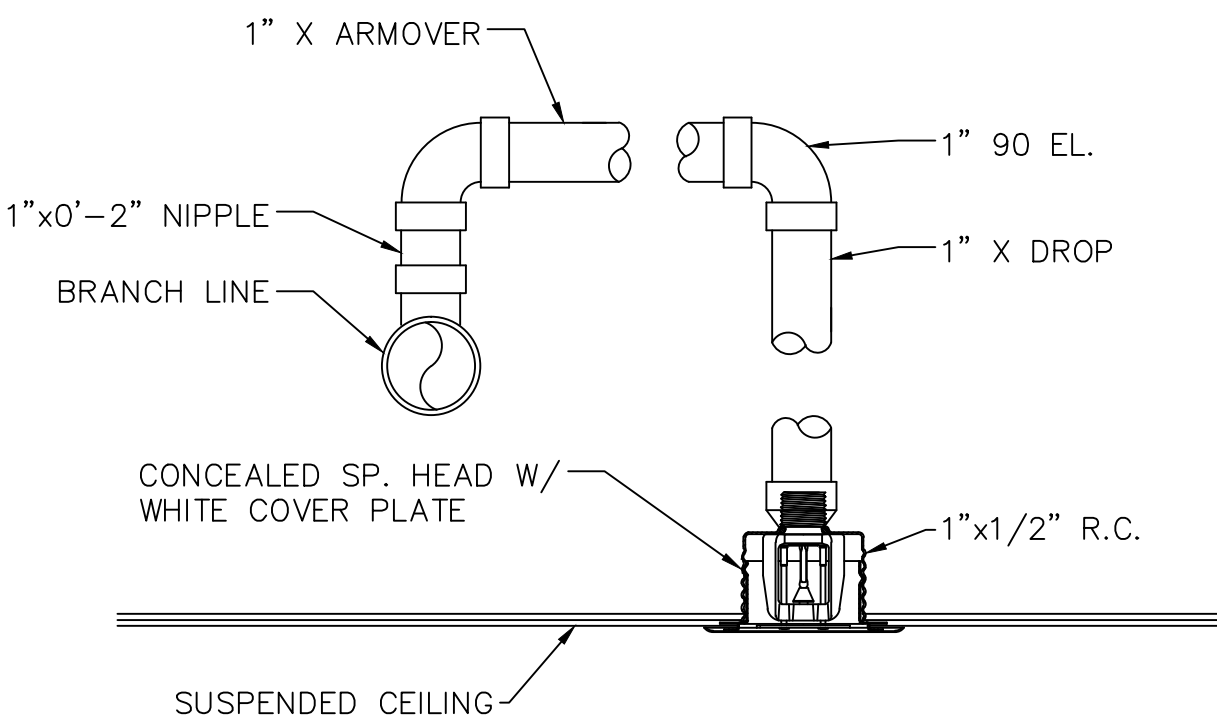
- NOTES:
1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
  2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
  3. FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
  4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
  5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
  6. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.

2 PIPE HANGER DETAIL  
SCALE: NONE

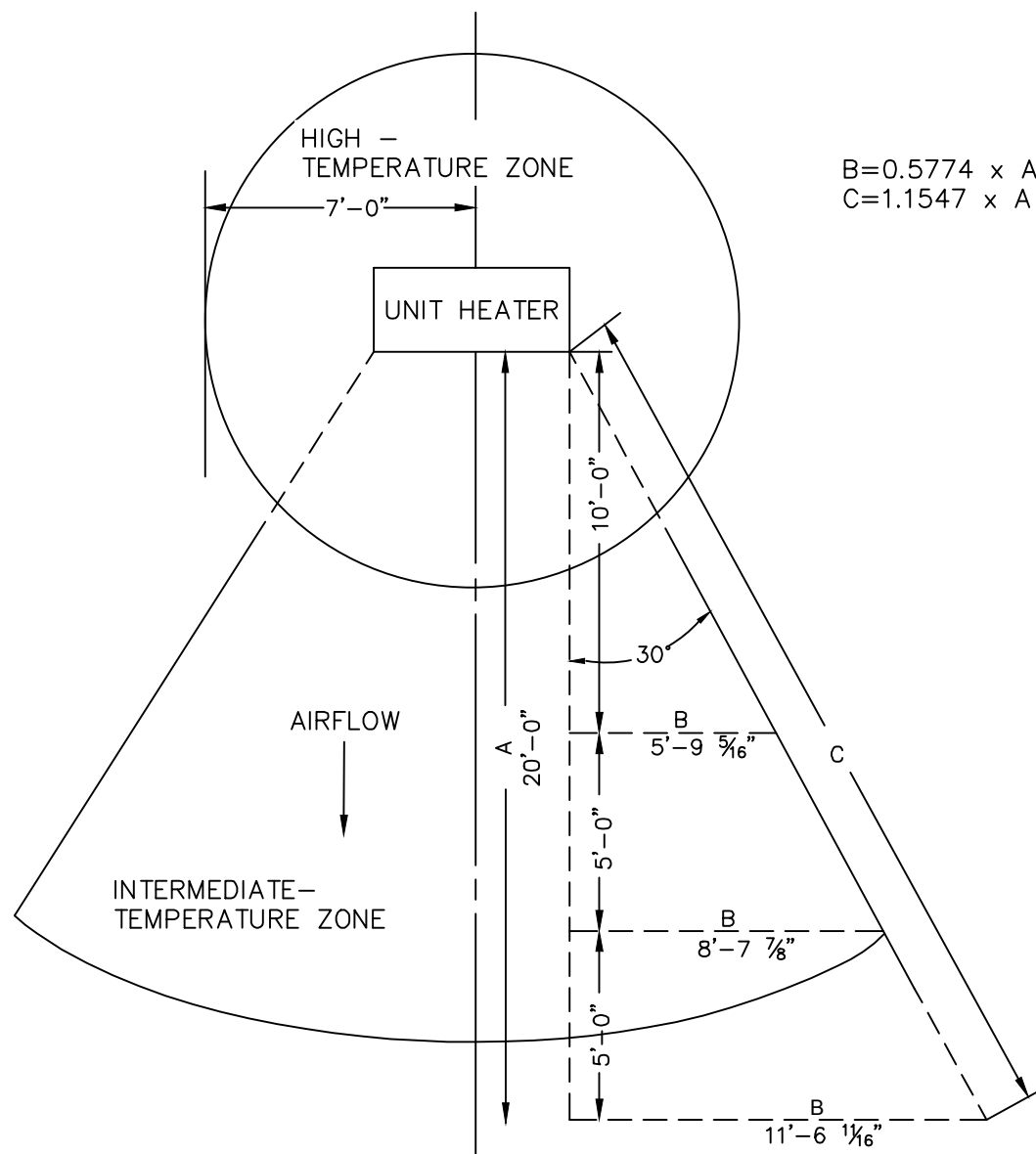


PRODUCT LEGEND	
1	INLET NIPPLE (1" MPT) OR IGS GROOVE STYLE 108 COUPLING
2	NUT
3	ISOLATION RING
4	COLLAR / WELD FITTING
5	STAINLESS STEEL FLEXIBLE BRAIDED HOSE (1" NOMINAL DIAMETER) (LENGTHS AVAILABLE 31", 36" 48", 60", & 72")
6	COLLAR / WELD FITTING
7	NUT
8	REDUCING OUTLET (AVAILABLE 1/2" OR 3/4" FMPT)
9	CENTER BRACKET ASSEMBLY
10	SQUARE BAR (AVAILABLE IN 24" AND 48" LENGTHS)
11	END BRACKET ASSEMBLY
12	SHEET METAL SCREW
13	VIC MECHANICAL-T OUTLET STYLE 922 FIRELOCK (1" FMPT)

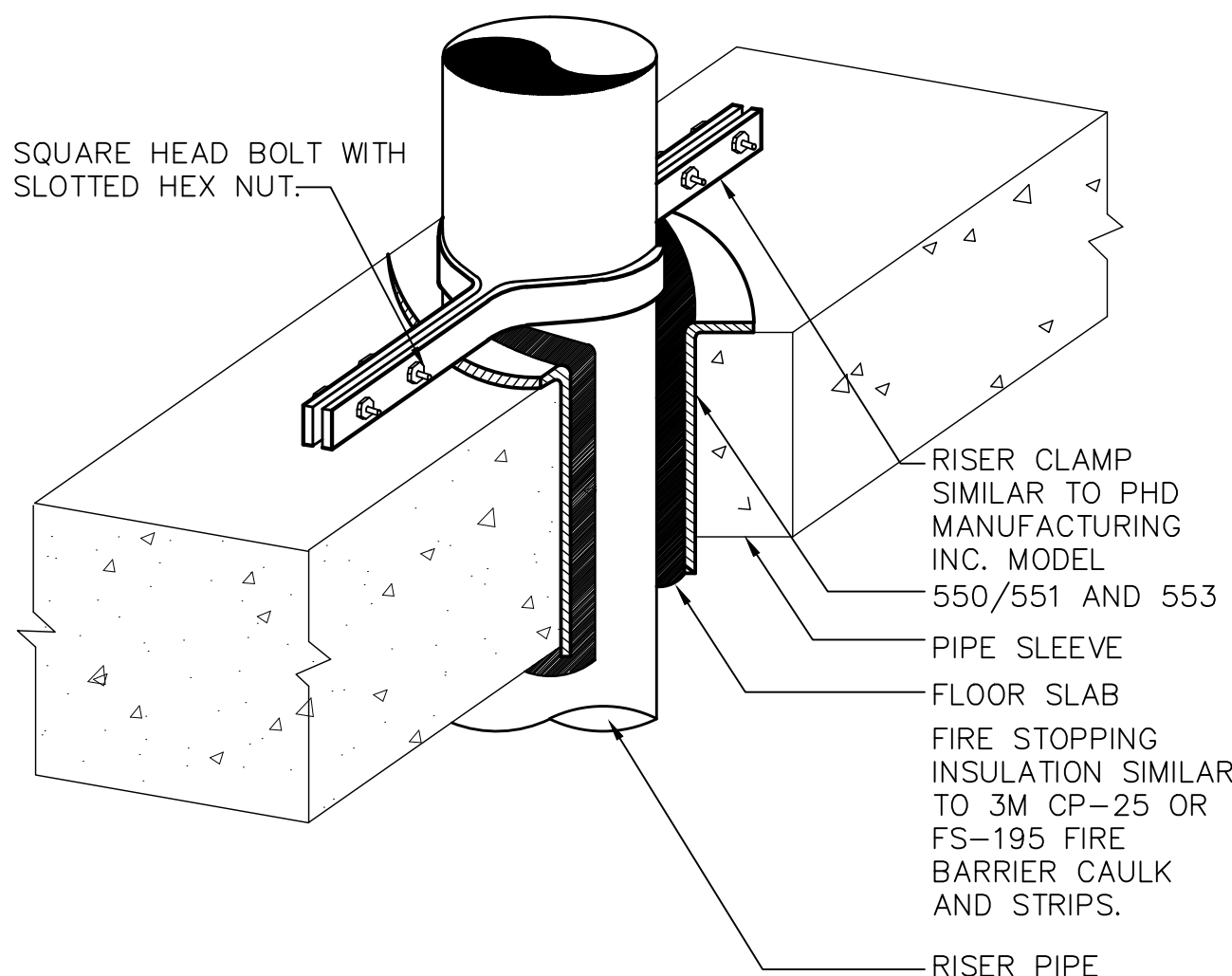
10 FLEXIBLE HOSE DETAIL  
SCALE: NONE



7 TYPICAL CONCEALED PENDENT SPRINKLER  
SCALE: NONE



4 SPRINKLER TEMPERATURE ZONES AT UNIT HEATERS  
SCALE: NONE



1 VERTICAL PIPE SUPPORT DETAIL  
SCALE: NONE

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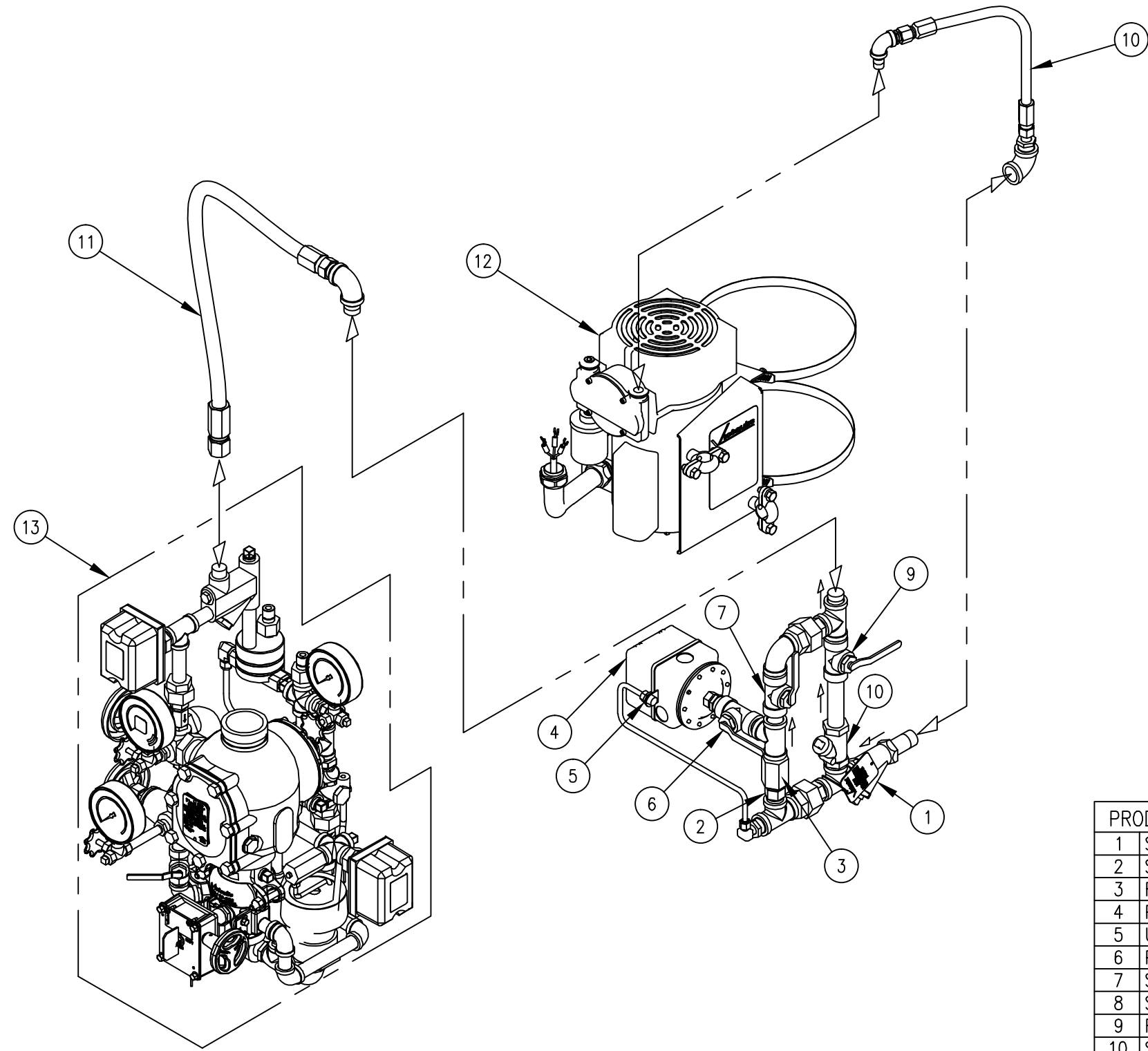
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**SPRINKLER DETAILS 1 of 2**

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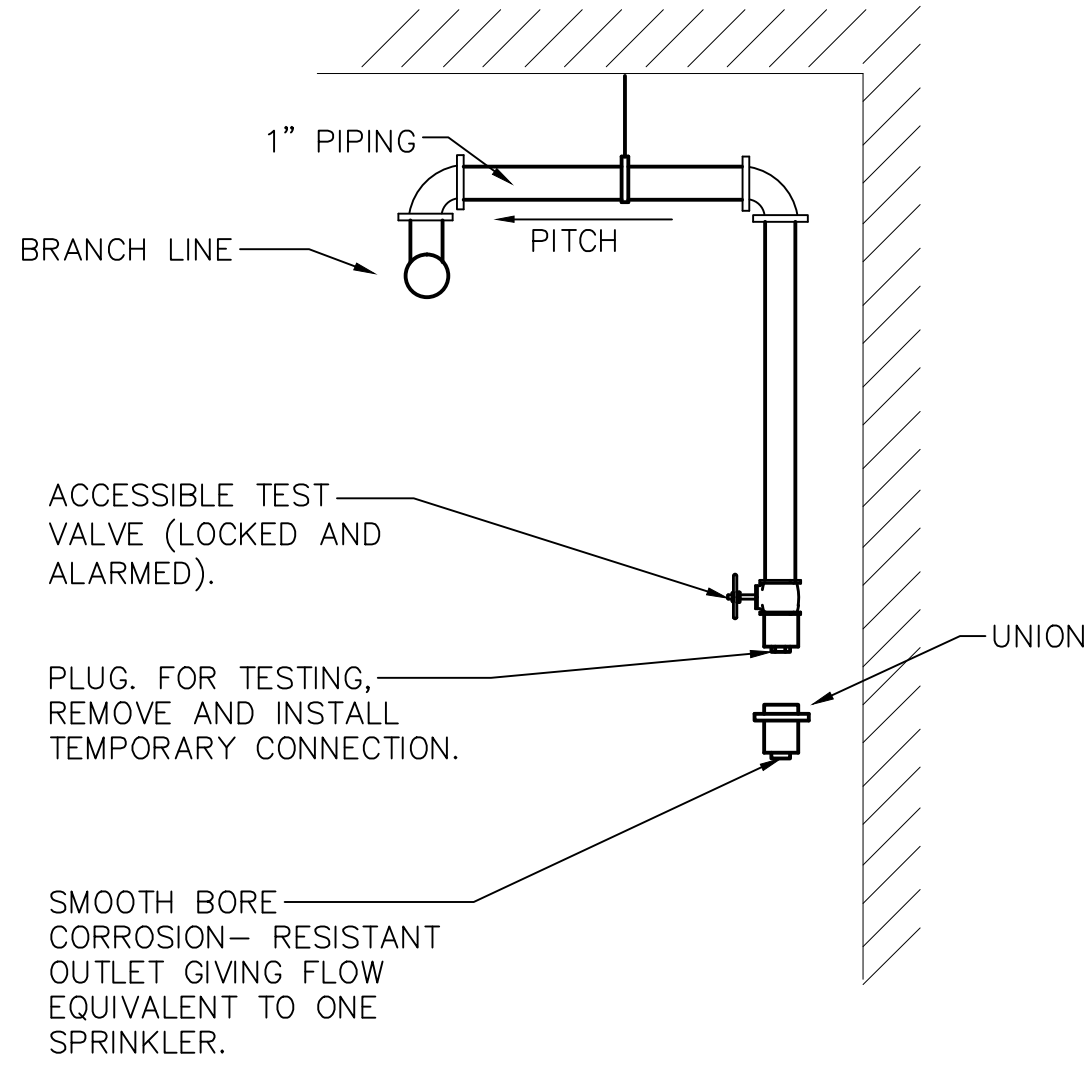




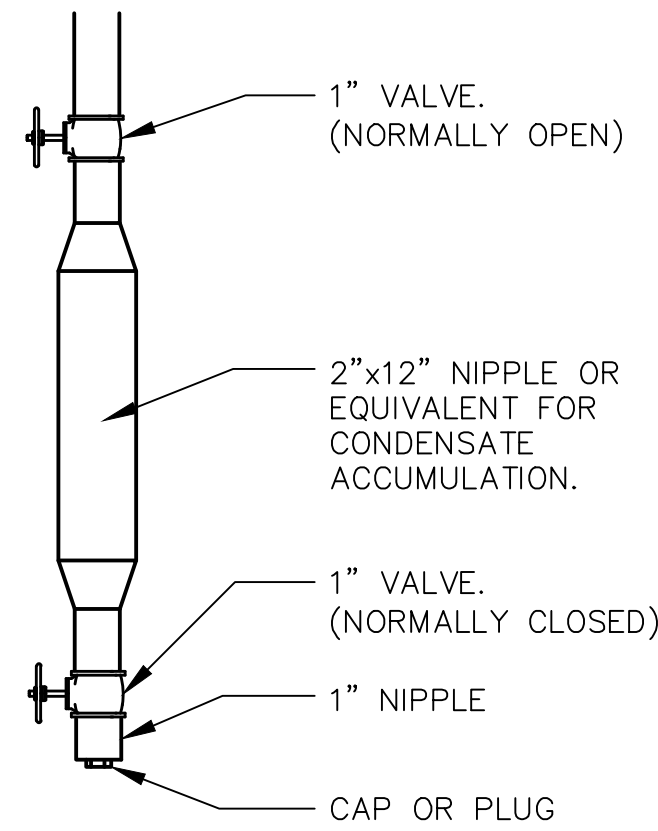
SERIES 7C7 AIR MAINTENANCE  
COMPRESSOR ASSEMBLY

PRODUCT LEGEND	
1	STRAINER (1/2-INCH NPT)
2	SPRING-LOADED, SOFT-SEATED CHECK VALVE
3	RESTRICTOR (1/2-INCH NPT)(1/8 RESTRICTOR)
4	PRESSURE SWITCH
5	UNLOADER VALVE
6	PRESSURE SWITCH ISOLATION BALL VALVE (NORMALLY OPEN-LOCKABLE)
7	SLOW-FILL BALL VALVE (NORMALLY OPEN)
8	SWING CHECK (1/2-INCH NPT)
9	FAST FILL BALL VALVE (NORMALLY CLOSED)
10	STAINLESS STEEL BRAIDED FLEX HOSE (1/2-INCH NPT MALE X FEMALE)
11	STAINLESS STEEL BRAIDED FLEX HOSE (1/2-INCH NPT MALE X FEMALE)
12	AIR COMPRESSOR
13	FIRELOCK NXT DEVICE
SEE VICTAULIC SUBMITTAL NUMBER 30.22	

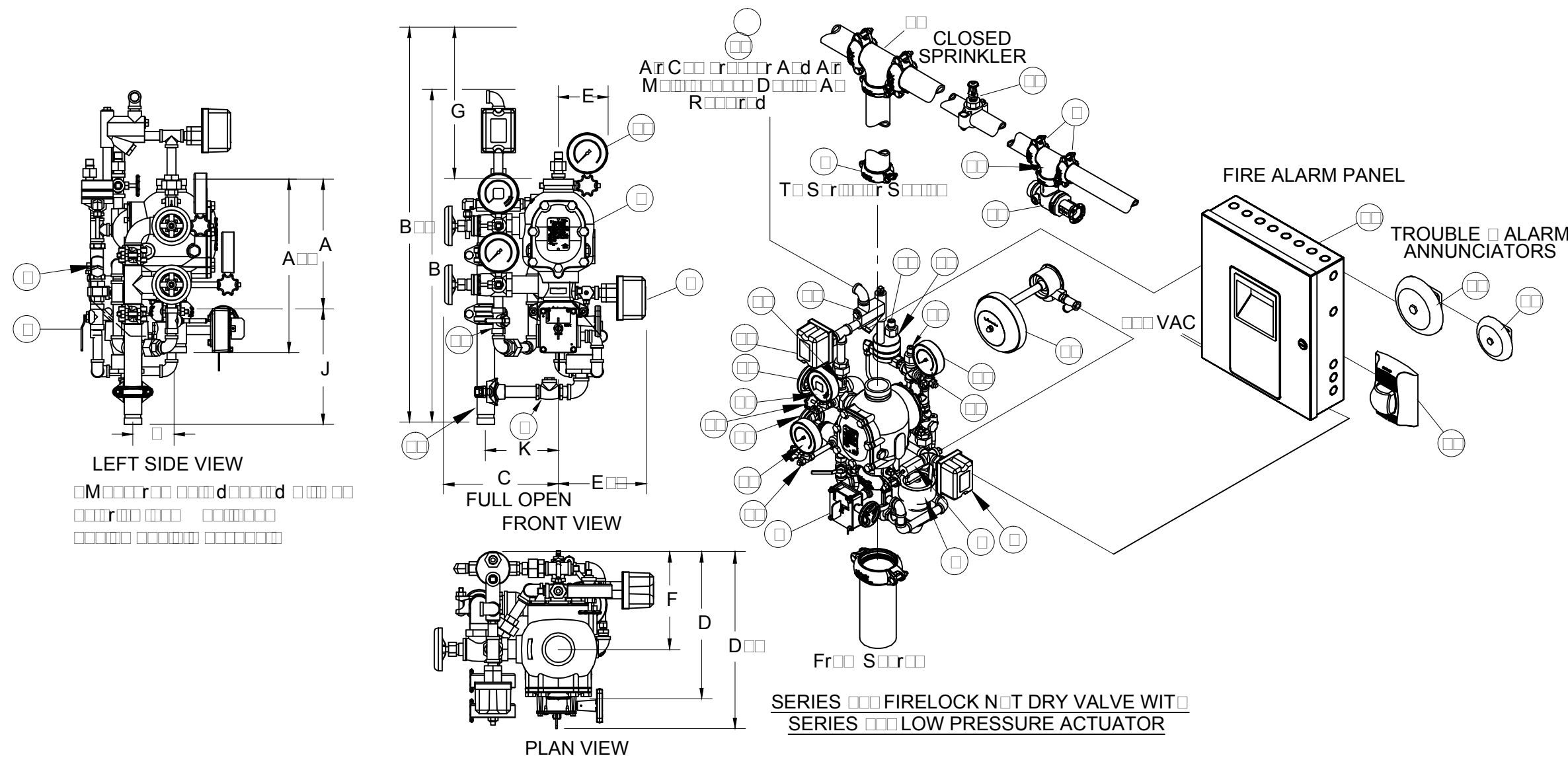
5 DRY SYSTEM – AIR MAINTENANCE ASSEMBLY SERIES 7C7  
SCALE: NONE



3 DRY SYSTEM INSPECTOR'S TEST  
SCALE: NONE



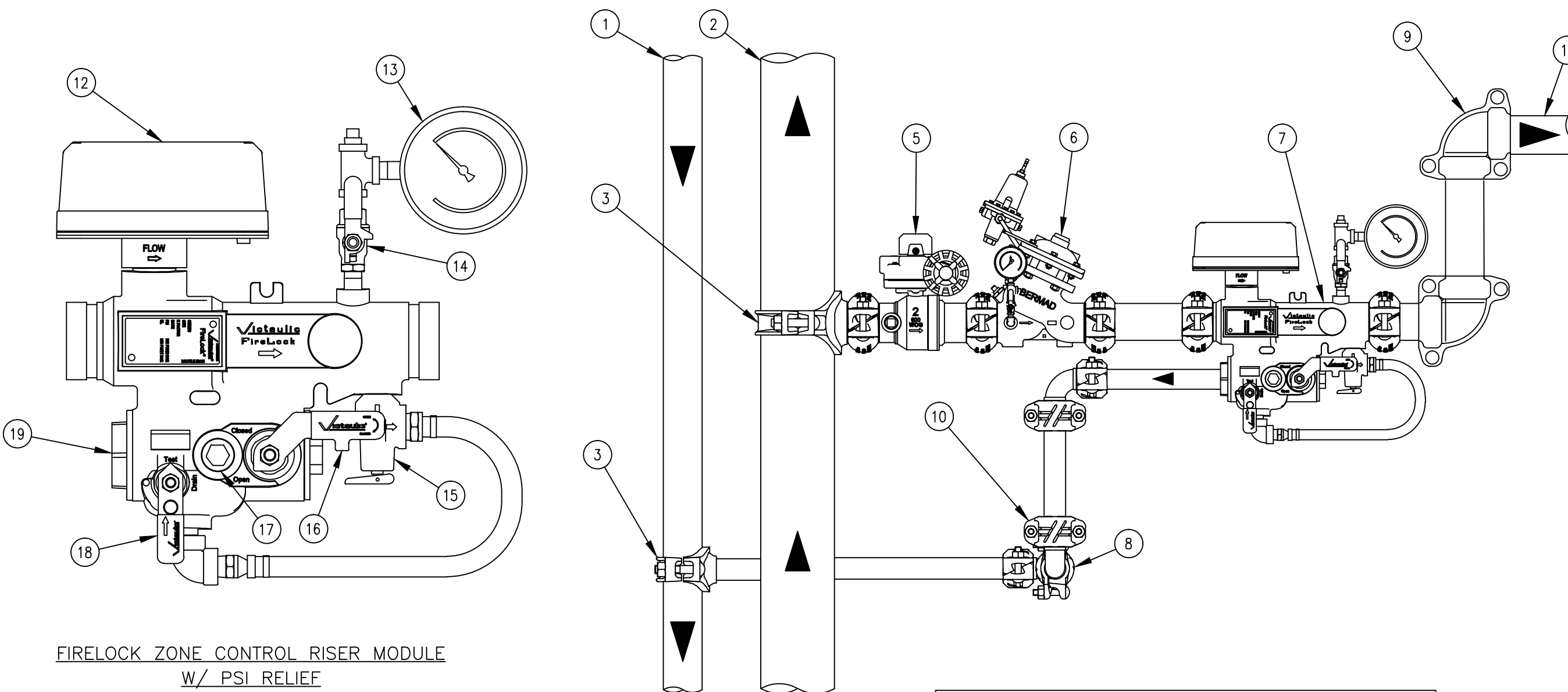
2 DRY SYSTEM LOW POINT DRAIN  
SCALE: NONE



SERIES 7C7 FIRELOCK N.T. DRY VALVE W/IT  
SERIES 7C7 LOW PRESSURE ACTUATOR

COMPONENT LEGEND (BASED ON VICTAULIC OR APPROVED EQUAL)		
1 STRAINER (1/2-INCH NPT)	2 SPRING-LOADED, SOFT-SEATED CHECK VALVE	3 RESTRICTOR (1/2-INCH NPT)(1/8 RESTRICTOR)
4 PRESSURE SWITCH	5 UNLOADER VALVE	6 PRESSURE SWITCH ISOLATION BALL VALVE (NORMALLY OPEN-LOCKABLE)
7 SLOW-FILL BALL VALVE (NORMALLY OPEN)	8 SWING CHECK (1/2-INCH NPT)	9 FAST FILL BALL VALVE (NORMALLY CLOSED)
10 STAINLESS STEEL BRAIDED FLEX HOSE (1/2-INCH NPT MALE X FEMALE)	11 STAINLESS STEEL BRAIDED FLEX HOSE (1/2-INCH NPT MALE X FEMALE)	12 AIR COMPRESSOR
13 FIRELOCK NXT DEVICE	SEE VICTAULIC SUBMITTAL NUMBER 30.22	

4 DRY SYSTEM VALVE ASSEMBLY  
SCALE: NONE



FIRELOCK ZONE CONTROL RISER MODULE  
W/ PSI RELIEF



- NOTES:
1. DETAIL BASED ON VICTAULIC MODEL 747MP, OR APPROVED EQUAL.
  2. REFER TO VICTAULIC SUBMITTAL 10.96 FOR ADDITIONAL DETAILS.
  3. CAN BE MOUNTED IN THE HORIZONTAL OR VERTICAL UPFLOW POSITION

PRODUCT LEGEND	
1	DRAIN RISER
2	RISER
3	VIC MECHANICAL TEE STYLE 820N
4	VIC THREADED REDUCER No. 32
5	VIC FIRELOCK BALL VALVE SERIES 728
6	VICTAULIC SERIES 867 PRESSURE REDUCING VALVE (Bermod 720 UL/2" SHOWN)
7	VIC FIRELOCK ZONE CONTROL RISER MODULE SERIES 747MP
8	VIC FIRELOCK 90 DEG ELBOW No. 001
9	VIC IR FIRELOCK 90 DEG ELBOW No. 101
10	VIC FIRELOCK EZ RIGID COUPLING STYLE 009 (OR) RIGID COUPLING STYLE 005
11	TO SPRINKLER SYSTEM
12	UL LISTED FM APPROVED FLOW SWITCH (SYSTEM SENSOR MODEL WFDI)
13	PRESSURE GAUGE
14	ISOLATION VALVE FOR GAUGE
15	PRESSURE RELIEF VALVE
16	SHUT OFF VALVE (HANDLE ON BOTH SIDES)
17	SITE GLASS (VISIBLE FROM BOTH SIDES)
18	TEST AND DRAIN VALVE (HANDLE ON BOTH SIDES)
19	THREADED DRAIN CONNECTION
SEE VICTAULIC SUBMITTAL NUMBER 10.96	

1 SPRINKLER ZONE CONTROL RISER MODULE WITH ISOLATION VALVE & PSI RELIEF  
SCALE: NONE



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











ADDITION & RENOVATION TO  
EMBASSY COMMUNITY  
CENTER  
60 PALISADE STREET  
DOBBS FERRY, NY 10522

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SPRINKLER  
DETAILS 2 of 2

SCALE AS NOTED	PROJECT NO. HAN0005.00
DRAWN BY OA	DRAWING NO.
CHECKED BY RJ	SP7.2
DATE 01/31/18	



SYMBOL & ABBREVIATIONS		
SYMBOL	ABBREVIATION	DESCRIPTION
—	AFF	ABOVE FINISHED FLOOR
—	AHC	ABOVE HUNG CEILING
—	BFP	BACK FLOW PREVENTER
—	VTR	VENT THROUGH ROOF
—	FAI	FRESH AIR INTAKE
—	FS	FLOOR SINK
—	RPZ	REDUCED PRESSURE ZONE – BFP
—	TYP	TYPICAL
—	DWH	DOMESTIC HOT WATER HEATER
	—	3-WAY VALVE
	—	BUTTERFLY VALVE
	—	2-WAY VALVE
	—	PLUG VALVE
	—	SOLENOID VALVE
	—	GATE VALVE
	—	GLOBE VALVE
	—	CHECK VALVE
	—	OS&Y GATE VALVE
	—	BALL VALVE
	—	CIRCUIT SETTER
	—	MANUAL AIR VENT
	—	PRESSURE REDUCING VALVE
	—	TEE DOWN
	—	ELBOW DOWN
	—	TEE UP
	—	ELBOW UP
	—	PIPE CAP
	CODP	CLEAN OUT DECK PLATE
	WCO	WALL CLEAN OUT
	FCO	FLOOR CLEAN OUT
	—	CONCENTRIC REDUCER
	—	ECCENTRIC REDUCER
	—	STRAINER
	—	FLEXIBLE CONNECTION
	—	FLOW ARROW
	—	PRESSURE GAGE
	—	PUMP
	—	THERMOMETER
	—	UNION
	EX.	EXISTING TO REMAIN
	NEW	NEW WORK
	DEM.	EXISTING TO BE REMOVED
	CW	COLD WATER
	HW	HOT WATER
	HWC	HOT WATER RECIRCULATION
—	V	VENT
—	W	WASTE LINE
—	S	SANITARY
—	LDR	LEADER
—	SD	STORM DRAINAGE
—	PD	PUMP DISCHARGE
—	G	PROPANE GAS
—	LP	LIQUEFIED PETROLEUM (PROPANE)

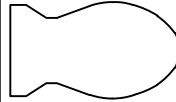
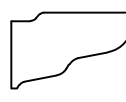
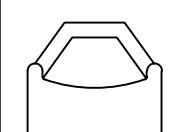
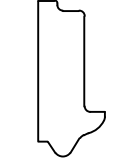
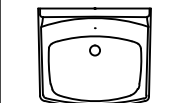
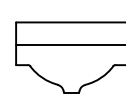
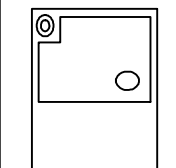
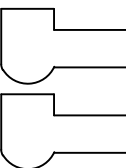

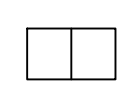
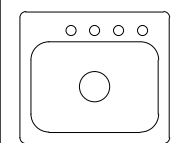
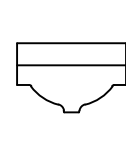


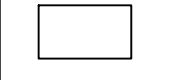
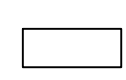
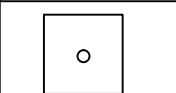
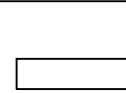

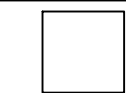
# GENERAL NOTES

1. THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
2. THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES, AND ALL LOCAL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
3. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
4. CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.
5. PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.
6. ALL ACCESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION.
7. PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
8. PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT.
9. NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
10. PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.
11. PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, HOT WATER, AND PROPANE (LP) SUPPLY PIPES.
12. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
13. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE. SLEEVE FOR SERVICE PIPE SHALL BE TWO (2) TIMES THE DIAMETER OF THE SERVICE PIPE.
14. PROVIDE TRAP SEAL PRIMERS FOR FLOOR DRAINS WHERE INDICATED ON PLAN. INSTALL THE PRIMER VALVE IN THE COLD WATER SERVICE, WITH THE TRAP CONNECTION PIPED TO THE FLOOR DRAIN TRAP. LOCATE THE VALVE ON THE WALL.
15. PROVIDE ALL ACCESS PANELS AS REQUIRED FOR PROPER ACCESS TO ALL CLEANOUTS AND VALVES. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR LOCATION WITH THE GENERAL CONTRACTOR.
16. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, PAINTING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK.
17. MAINTAIN THE EXISTING WATER, SEWER, AND STORM SERVICES WHICH SERVE THE EXISTING BUILDING IN OPERATION DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ANY SYSTEM SHUTDOWNS WITH THE OWNER.
18. CAPPING AND PLUGGING OF ALL PIPING SHALL BE DONE USING THE SAME MATERIAL AS THE PIPING.
19. PIPING INDICATED TO BE ABANDONED SHALL BE REMOVED WHERE NECESSARY FOR INSTALLATION OF NEW PIPING OR CONSTRUCTION.
20. A CLEANOUT SHALL BE LOCATED AT THE BASE OF EACH STACK AND LEADER.
21. NEW PIPING LAYOUT IS PREDICATED ON RECORD DRAWING DATA OF EXISTING RISERS AND EXTERIOR WALL PENETRATIONS. MODIFICATIONS TO THE LAYOUT MAY BE REQUIRED DUE TO DIFFERENT ACTUAL CONDITIONS, OBSTRUCTIONS, INTERFERENCES, ETC.
22. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.

## DEFINITION OF TERMS

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- 1.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" OR "OWNER" IS USED, IT MUST BE UNDERSTOOD THAT "JAMES J. JAHN ENGINEERING" IS INTENDED.
- 2.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.
- 3.) "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.
- 4.) "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.
- 5.) "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.
- 6.) "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED ABOVE.

PLUMBING FIXTURE SCHEDULE								
TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS				DESCRIPTION
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER	
P-1			WALL HUNG WATER CLOSET	4"	2"	1"	–	MAKE: KOHLER MODEL: K-4325 ADA COMPLIANT, ASME A112.19.2/CSA B45.1, WALL MOUNTED, 1½" TOP SPUD INLET, 1.28 GALLONS PER FLUSH. FLUSHOMETER: TOTO 1.28 GPF ECO-POWER FLUSHOMETER, SELF CHARGING POWER.
P-2			WALL HUNG URINAL	2"	2"	1"	1/2"	MAKE: KOHLER MODEL: BARDON WALL MOUNT, ADA COMPLIANT, VITREOUS CHINA, ASME A112.19.19. 3/4"INLET SPUD, 2" OUTLET SPUD. PROVIDE COMBINATION FIXTURE SUPPORT AND WASTE FITTING WITH ADJUSTABLE EXTENSION. FLUSHOMETER: TOTO 1.0 GPF URINAL FLUSH VALVE, ECO-POWER FLUSHOMETER, SELF CHARGING POWER
P-3			WALL HUNG LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	MAKE: KOHLER MODEL: GREENWICH WALL MOUNT, ADA COMPLIANT, VITREOUS CHINA, ASMEA112.19.2M. ½"NPSM SUPPLY INLETS AND COUPLING NUT, ADA ANSI A117.1, CAST BRASS TRAP WITH CLEANOUT AND SUPPLIED WITH STOPS. PROVIDE LAV-GUARD BY TRUEBRO. FAUCET: KOHLER K-13460, BATTERY POWERED 0.5 GPM
P-4			DRINKING FOUNTAIN	2"	1-1/2"	1/2"	–	MAKE: ELKAY MODEL: LZWS-EDFP217K ADA COMPLIANT, LEAD FREE, EZH2O BOTTLE FILLING STATION WITH INTEGRAL SOFT SIDES FOUNTAIN, FILTERED NON-REFRIGERATED STAINLESS.
P-5			KITCHEN SINK	2"	1-1/2"	1/2"	1/2"	MAKE/MODEL: JOHN BOSS E3S8 E SERIES TWO COMPARTMENT SINK WITH GALVINIZED BASE AND BRACING. FAUCET: KROWNE MODEL 17-109WL, 8"CENTER WALL MOUNT PRE-RINSE WITH WALL BRACKET AND ADD-ON FAUCET, 12"SPOUT.
P-6			KITCHEN LAV	2"	1-1/2"	1/2"	1/2"	MAKE: KOHLER MODEL: GREENWICH WALL MOUNT, ADA COMPLIANT, VITREOUS CHINA, ASMEA112.19.2M. ½"NPSM SUPPLY INLETS AND COUPLING NUT, ADA ANSI A117.1, CAST BRASS TRAP WITH CLEANOUT AND SUPPLIED WITH STOPS. PROVIDE LAV-GUARD BY TRUEBRO. FAUCET: KOHLER K-13460, BATTERY POWERED 0.5 GPM
P-7			DISHWASHER	2"	1-1/2"	–	1/2"	JET TECH MODEL F-18DP
P-8			GREASE INTERCEPTOR	3"	2"	–	–	BASED ON JAY R SMITH FIGURE NO 8035 WITH A CAPACITY OF 35 GPM AND MINIMUM OF 70 LBS GREASE CAPACITY
P-9			MOP BASIN	2"	1½"	¾"	¾"	REFER TO ARCHITECTURAL DRAWINGS FOR MODEL AND ACCESSORIES
P-10			ICE MAKER	–	–	½"	–	REFER TO ARCHITECTURAL DRAWINGS FOR MAKE AND MODEL.

NOTES:

1.) SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND EXACT FIXTURE LOCATIONS.

2.) ED-1 FLOOR DRAIN IS BASED ON

GREASE INTERCEPTOR CALCULATIONS					
FIXTURE TYPE	SIZE	QUANTITY	CUBIC INCHES/FIXTURE	TOTAL CUBIC INCHES	TOTAL GALLONS**
PRE-RINSE SINK	16"x20"x12"	2	24"x24"x14"=8,064	0.75x2x8,064* =12,096	52.4
TOTAL				12,096	52.4***
TOTAL REQUIRED GREASE INTERCEPTOR FLOW RATE (GPM)= (52.4 GAL/2 MIN) = 26.2 GPM***					
TOTAL REQUIRED GREASE INTERCEPTOR CAPACITY (LB)= 70					
*MULTIPLY BY 0.75 TO ADJUST FOR DISPLACEMENT **1US GALLON=231 CUBIC INCHES ***GREASE INTERCEPTOR SIZING BASED ON 2 MIN DRAIN DOWN TIME.					

## EQUIPMENT NOTES:

- 1.) DOMESTIC WATER HEATER DWH-1; GAS HOT WATER HEATER SHALL BE BASED ON AO SMITH PROLINE MODEL XCBL-30, 37 GPH @ 90 DEGREE RISE, 30 GALLON CAPACITY. FIRST HOUR RATING OF 68 GALLONS, 35,500 BTU INPUT, 120V/1 $\phi$ /60HZ, FURNISH DISCONNECT SWITCH TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
- 2.) DOMESTIC HOT WATER RECIRCULATION PUMP, RP-1 TO BE BASED ON BELL & GOSSETT MODEL PL-36B, 100% LEAD FREE, 1/2 HP, 115V-1 PHASE-60 HERTZ, 9 GPM @ 24 FEET HEAD. PROVIDE DISCONNECT SWITCH TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR AND TIMECLOCK
- 3.) DOMESTIC HOT WATER EXPANSION TANK, EXP-1 TO BE BASED ON BELL & GOSSETT PT TANK FOR POTABLE WATER SYSTEMS MODEL PT-12, 4.2 GALLON TANK VOLUME, 3.2 GALLON ACCEPTANCE VOLUME, 15" HIGH X 11"Ø.



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CLIENT

**EMBASSY COMMUNITY  
CENTER**

**60 PALISADE STREET  
DOBBS FERRY, NY 10522**

3	ISSUED FOR BID	1/31/18
2	DESIGN DEVELOPMENT	12/15/17
1	SCHEMATIC DESIGN	7/21/17
No.	ISSUE OR REVISION	DATE

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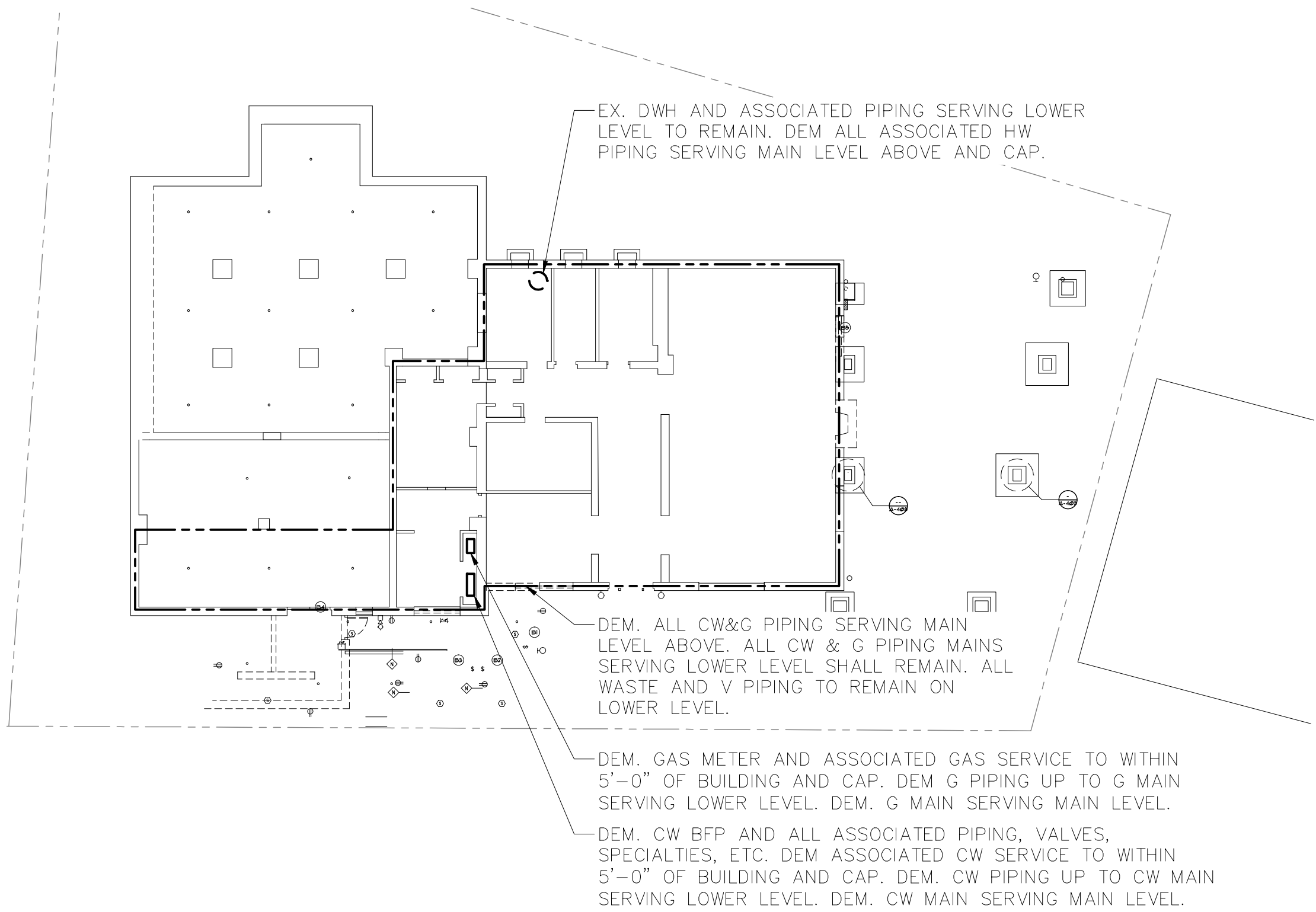
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**PLUMBING SYMBOLS,  
ABBREVIATIONS, NOTES  
AND SCHEDULES**

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY	DRAWING NO.  <b>P0.1</b>
	OA	
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	RJ	
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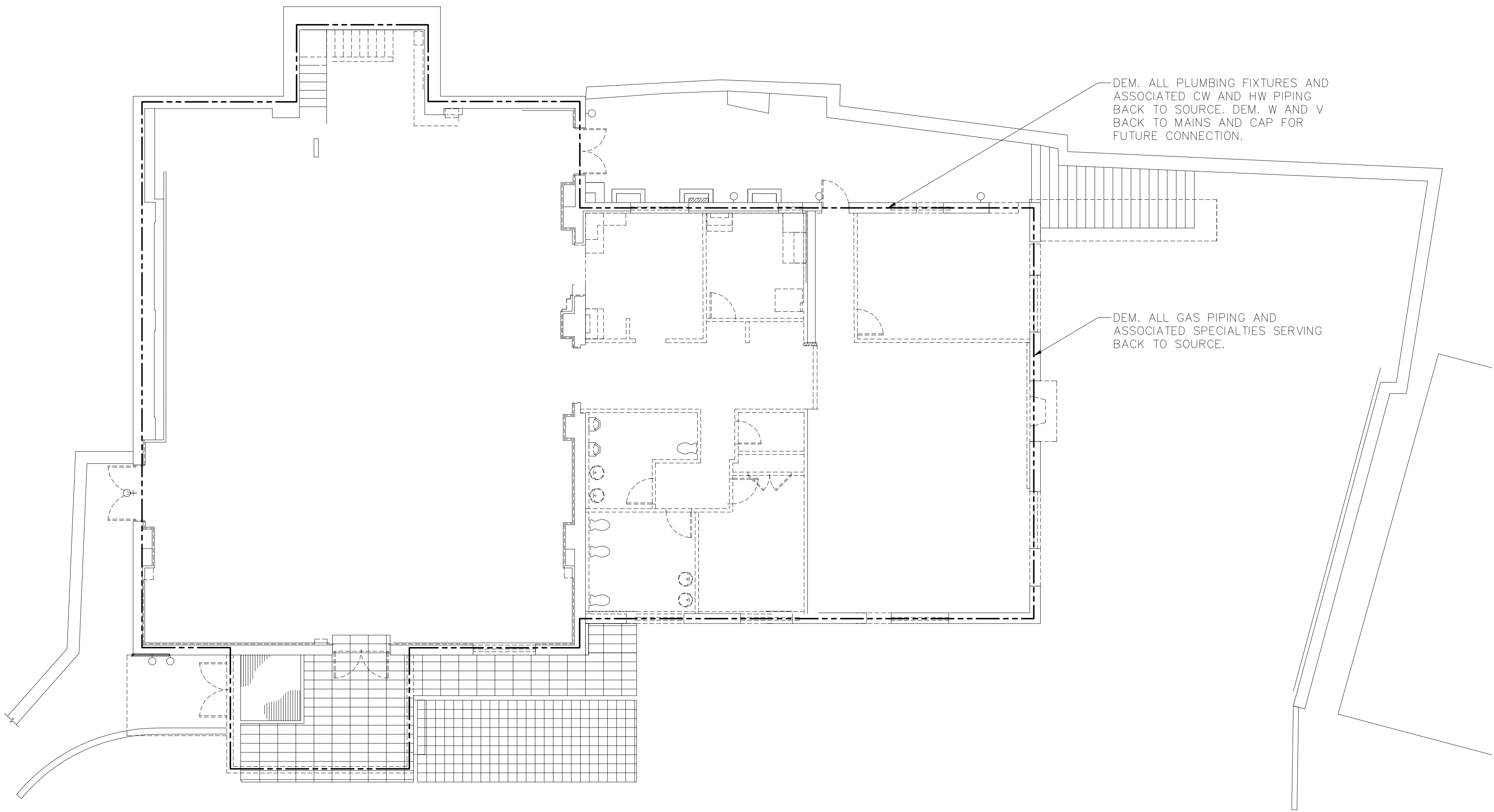


2

PLUMBING LOWER LEVEL DEMOLITION PLAN

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

NORTH

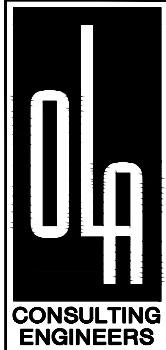


1

PLUMBING MAIN FLOOR DEMOLITION PLAN

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

NORTH



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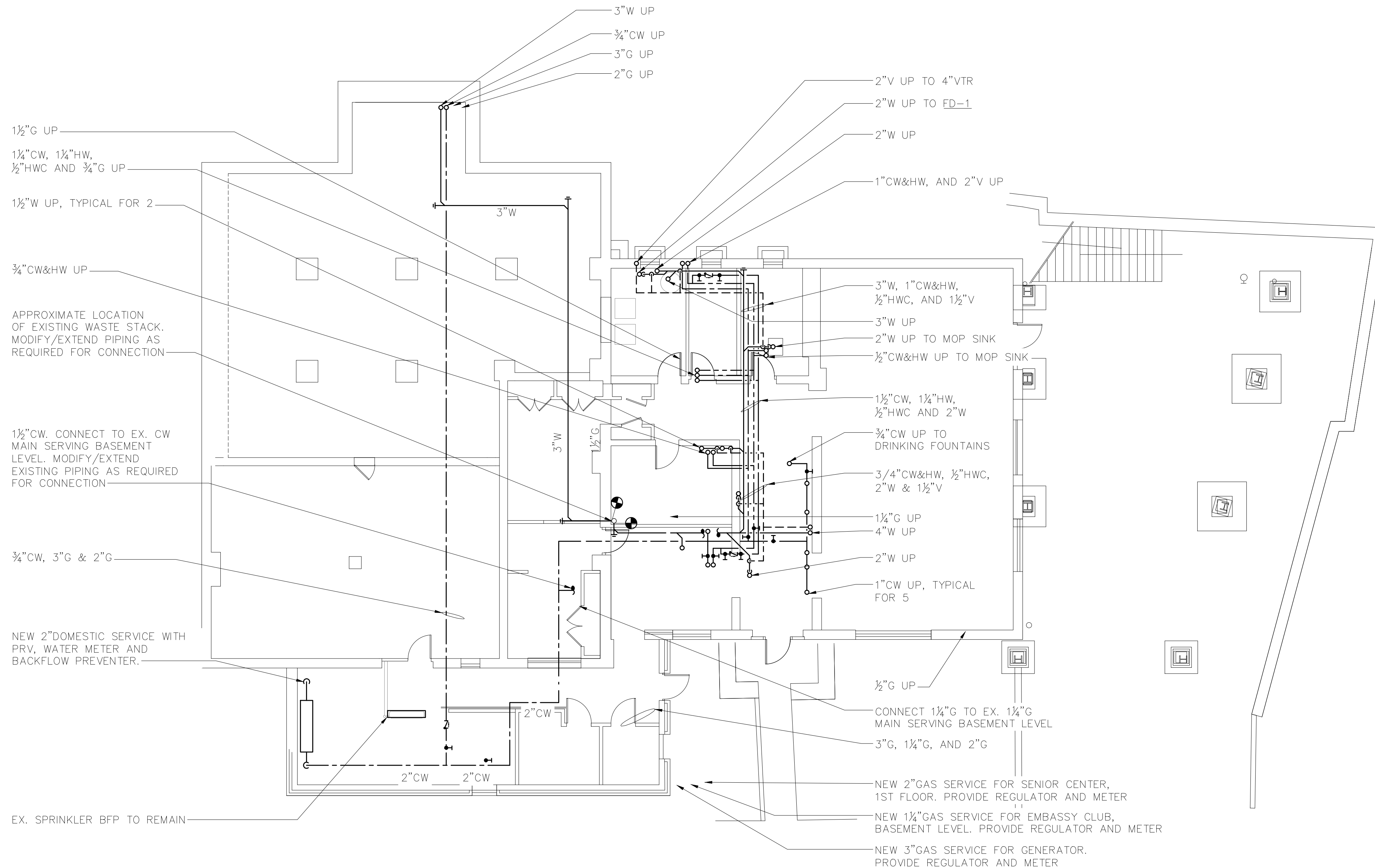
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PLUMBING  
DEMOLITION PLANS

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	RJ	
	DATE	7/20/2017





**1 PLUMBING BASEMENT NEW WORK PLAN**  
SCALE: 1/8" = 1'-0"

- NOTES:
1. ROUTE ALL PIPING IN FINISHED AREAS WITHIN SOFFIT.
  2. PROVIDE ACCESS PANELS FOR ALL VALVES AND PLUMBING DEVICES IN CEILINGS AND WALLS AS REQUIRED.
  3. ALL GAS SERVICE REGULATORS SHALL BE SET BETWEEN 7 AND 10"W.C., AS PER GAS CONSUMING EQUIPMENT MANUFACTURER REQUIREMENTS



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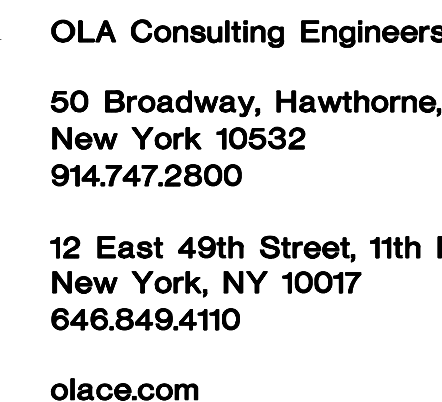
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**PLUMBING BASEMENT  
NEW WORK PLAN**

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1	SCHEMATIC DESIGN	7/21/17
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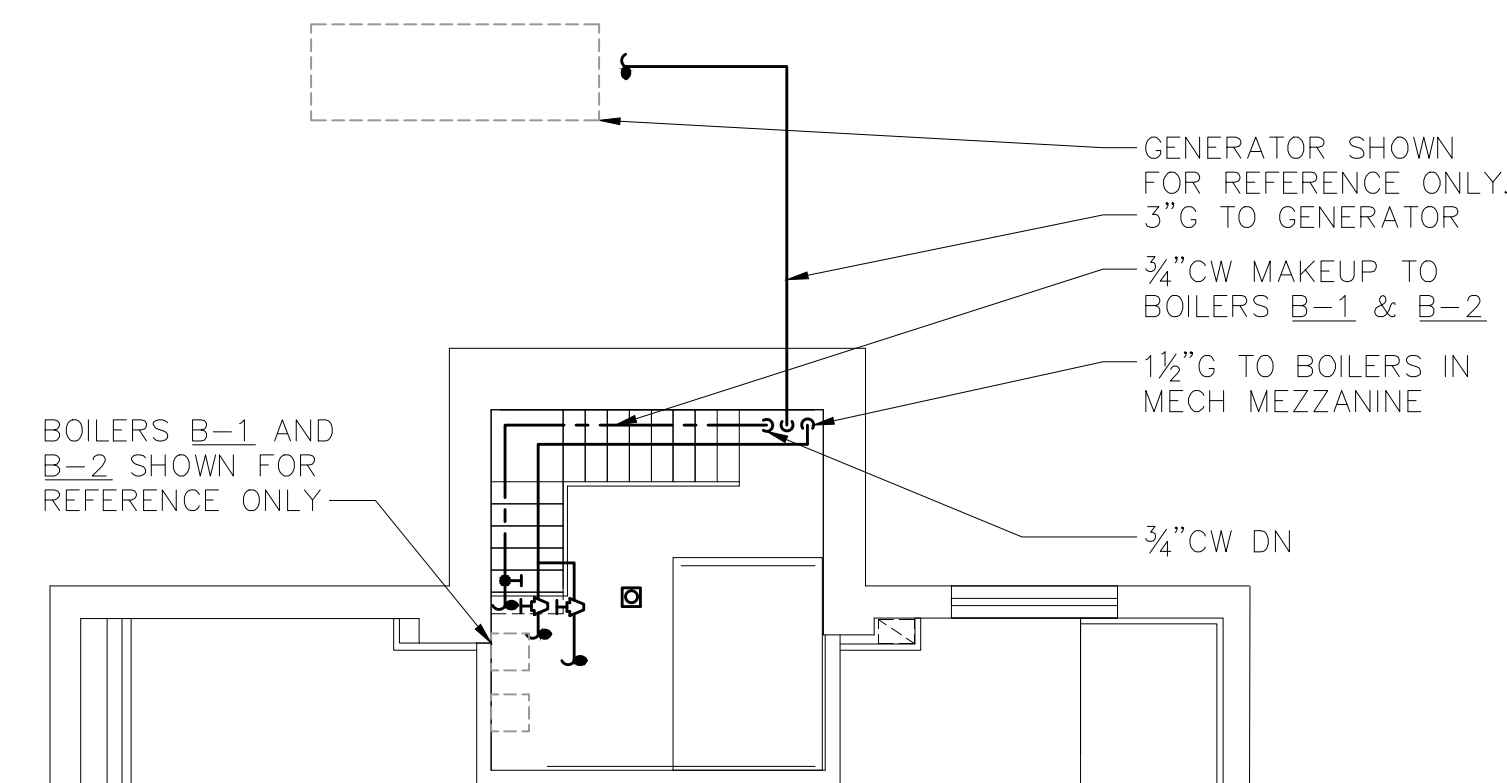
PROJECT TITLE

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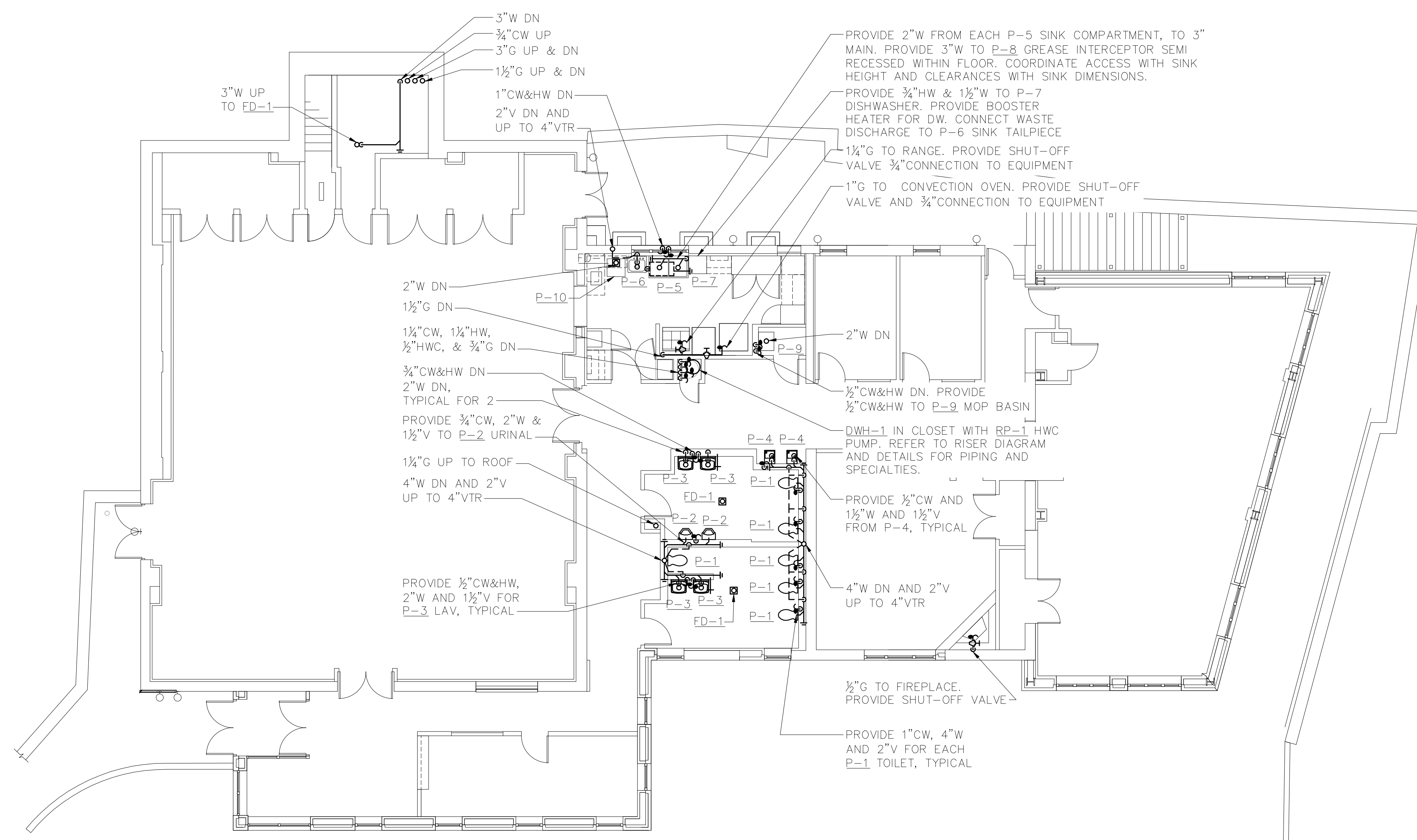
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## PLUMBING FIRST FLOOR NEW WORK PLAN

SEAL	SCALE	PROJECT NO.
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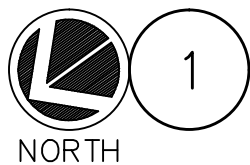
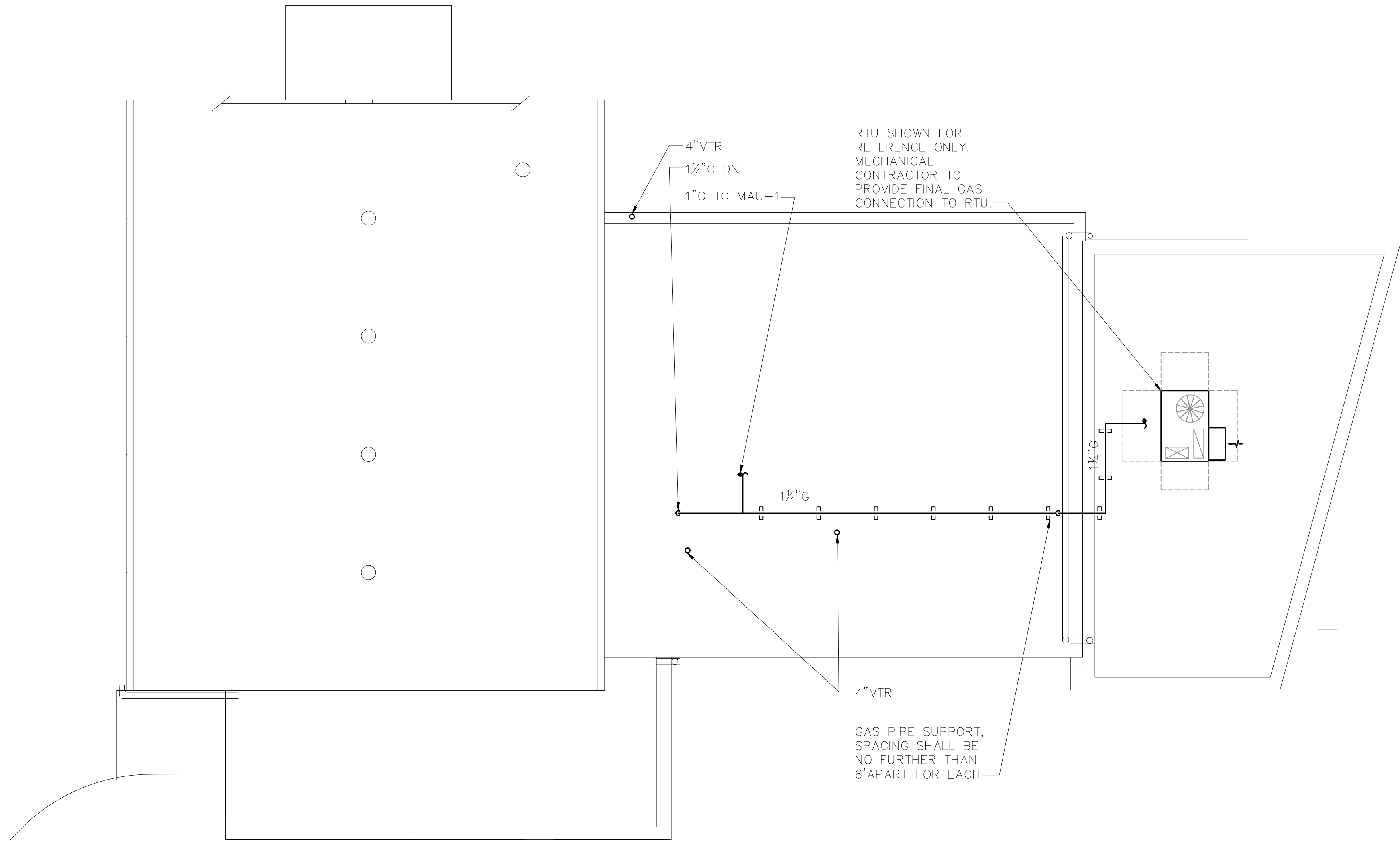
 2 PLUMBING MEZZANINE NEW WORK PLAN  
SCALE: 1/8" = 1'-0"



 1 PLUMBING FIRST FLOOR NEW WORK PLAN  
SCALE: 1/8" = 1'-0"

NOTES:  
1. REFER TO RISER DIAGRAM ON DRAWING P5.1 FOR PIPING DISTRIBUTION TO EACH FIXTURE  
2. PROVIDE ACCESS PANEL FOR VALVES AS REQUIRED





1

PLUMBING ROOF NEW WORK PLAN

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



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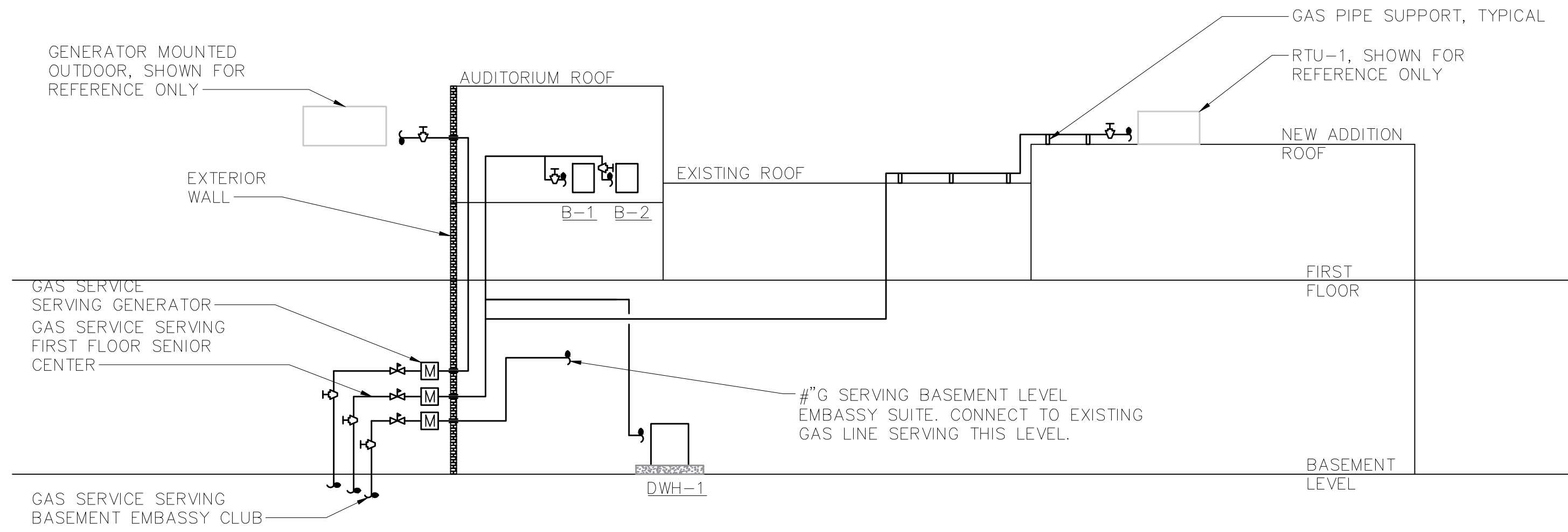
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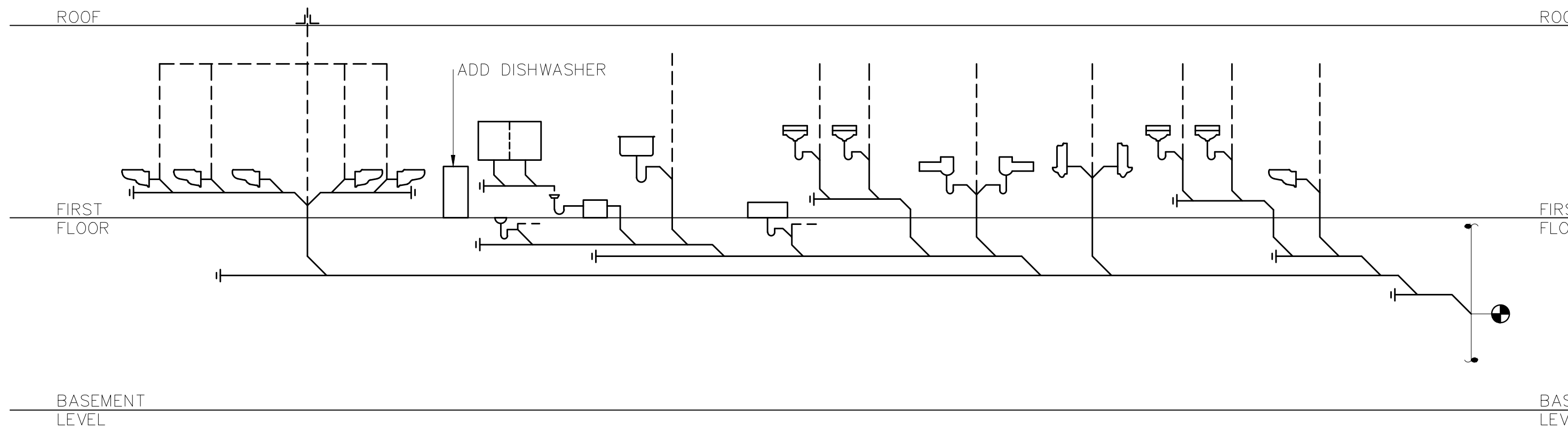
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NEW WORK PLAN**

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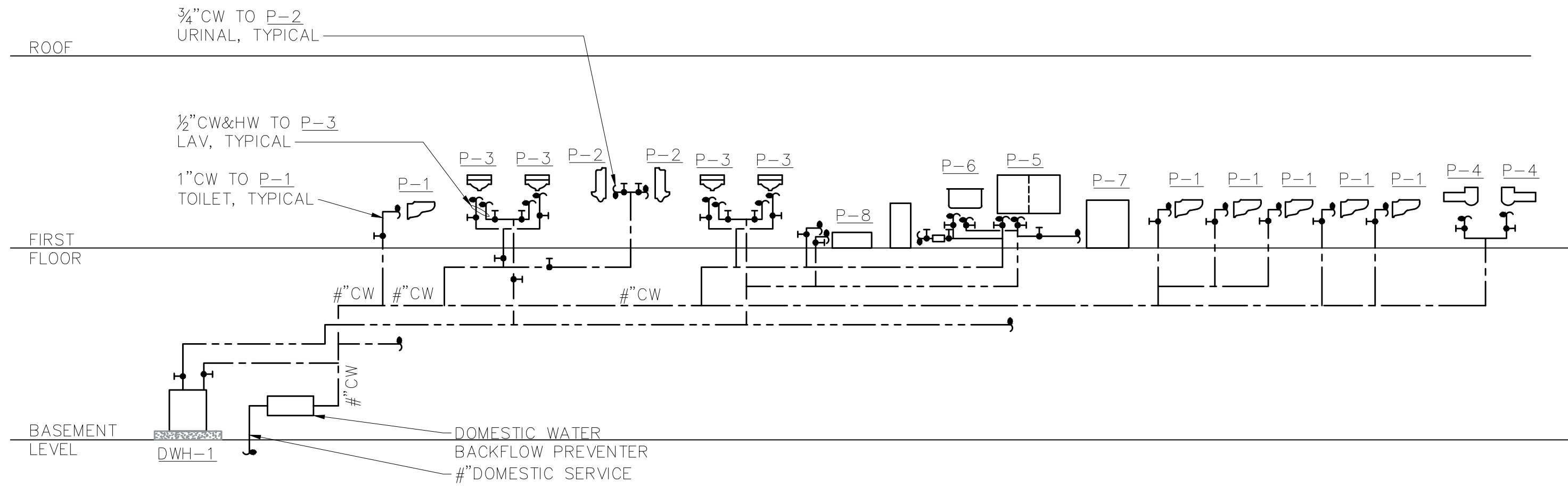




3 PLUMBING NATURAL GAS RISER DIAGRAM  
SCALE: NONE



2 PLUMBING SANITARY RISER DIAGRAM  
SCALE: NONE



1 PLUMBING DOMESTIC WATER RISER DIAGRAM  
SCALE: NONE



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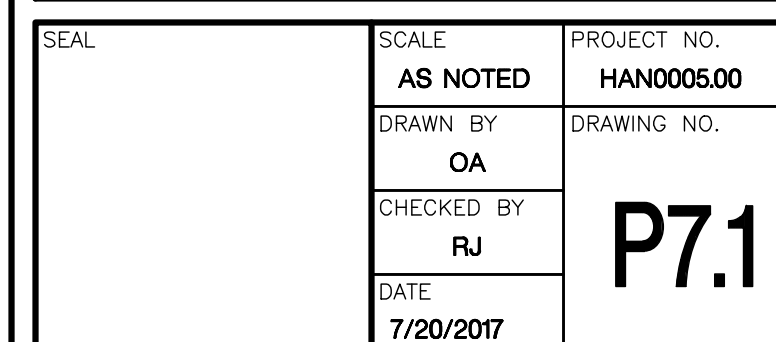
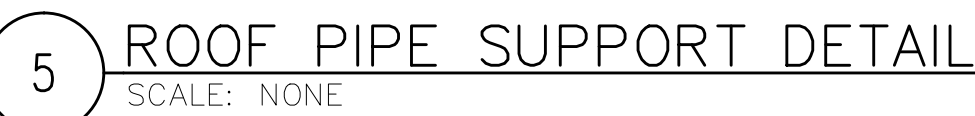
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PLUMBING RISER DIAGRAMS

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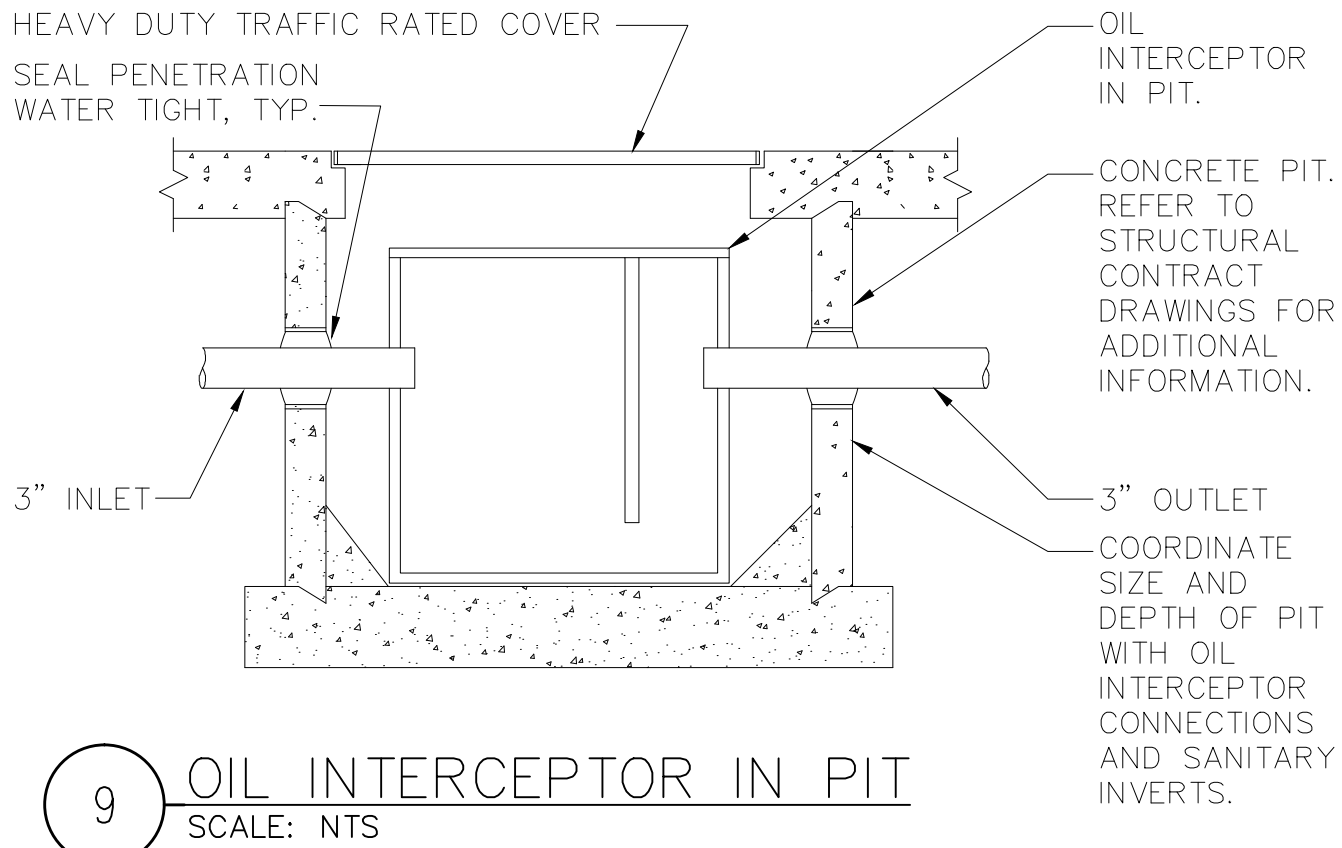
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



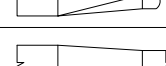
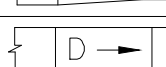


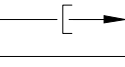
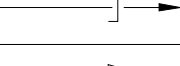

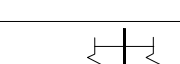





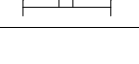










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60 PALISADE STREET  
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PLUMBING DETAILS  
2 OF 2

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SYMBOL & ABBREVIATIONS					
SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
—	AD	ACCESS DOOR		—	SUPPLY DUCT UP
—	AFF	ABOVE FINISHED FLOOR		—	SUPPLY DUCT DOWN
—	AHC	ABOVE HUNG CEILING		—	RETURN DUCT UP
—	AP	ACCESS PANEL		—	RETURN DUCT DOWN
—	BDD	BACKDRAFT DAMPER		—	TRANSITION FROM SQUARE TO ROUND DUCT
—	BHP	BRAKE HORSEPOWER		—	TRANSITION
—	BTU	BRITISH THERMAL UNIT		—	DUCT DROP
—	CFM	CUBIC FEET PER MINUTE		—	DUCT RISE
—	CL	CENTERLINE		—	SQUARE VANED ELBOW
—	CP—	CONDENSATE PUMP		—	DUCT RISE
—	DB	DRY BULB TEMPERATURE		—	DUCT DROP
—	DIA. OR Ø	DIAMETER		—	DUCT TRANSITION
—	DX	DIRECT EXPANSION	-----	AL	ACOUSTIC LINING
—	EA	EXHAUST AIR		FD/AD	FIRE DAMPER W/ ACCESS DOOR
—	EAT	ENTERING AIR TEMPERATURE		SD/AD	SMOKE DAMPER W/ ACCESS DOOR
—	EL	ELEVATION		CFSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS DOOR
—	ER	EXHAUST REGISTER		VD	VOLUME DAMPER
—	ESP	EXTERNAL STATIC PRESSURE		AL	ACOUSTIC LINING
—	FPM	FEET PER MINUTE		—	DUCT SIZE — 1ST FIGURE IS SIDE SHOWN
—	FPS	FEET PER SECOND		FC	FLEXIBLE CONNECTION
—	GPM	GALLONS PER MINUTE			
—	HP	HORSE POWER			
—	HV—	HEATING AND VENTILATING UNIT			
—	HVAC—	HEATING, VENTILATING AND AIR CONDITIONING UNIT			
—	KX—	KITCHEN EXHAUST			
—	LAT	LEAVING AIR TEMPERATURE			
—	LF	LINEAR FEET			
—	MBH	1000 BRITISH THERMAL UNITS PER HOUR			
—	MER	MECHANICAL EQUIPMENT ROOM			
—	NC	NORMALLY CLOSED			
—	NIC	NOT IN CONTRACT			
—	NO	NORMALLY OPEN			
—	OAI	OUTSIDE AIR INTAKE			
—	PSI	POUNDS PER SQUARE INCH			
—	RA	RETURN AIR			
—	RPM	REVOLUTIONS PER MINUTE			
—	RTU—	ROOFTOP UNIT			
—	SA	SUPPLY AIR			
—	SP	STATIC PRESSURE			
—	TD	TRANSFER DUCT			
—	TDH	TOTAL DYNAMIC HEAD			
—	TSP	TOTAL STATIC PRESSURE			
—	TYP.	TYPICAL			
—	U.O.N.	UNLESS OTHERWISE NOTED			
—	WB	WET BULB TEMPERATURE			
—	WG	INCHES OF WATER GAUGE			
—	WMS	WIRE MESH SCREEN			
————	EX.	EXISTING TO REMAIN			
————	NEW	NEW WORK			
-----	DEM.	EXISTING TO BE REMOVED			
	—	DOOR UNDER CUT			
	—	AIR INTO REGISTER			
	—	SPEED CONTROLLER			
	—	POINT OF CONNECTION/DISCONNECTION			
	TR	TOP REGISTER SUPPLY			
	TR	TOP REGISTER RETURN			
	P—1	PUMP			
	SR/CD	SUPPLY REGISTER / CEILING DIFFUSER			
	RR/RG	RETURN REGISTER/GRILLE			
			GENERAL NOTES		
			1. CONTRACT DRAWINGS, AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, SHEET METAL, AND PIPING, SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO EQUIPMENT, SHEET METAL, AND PIPING LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST, AND MUST BE APPROVED BY THE ENGINEER.		
			2. THE MECHANICAL CONTRACTOR SHALL INSTALL FIRE DAMPERS WITH ACCESS DOORS IN ALL DUCTS PENETRATING FIRE RATED WALLS, WHETHER SPECIFICALLY SHOWN ON THE DRAWINGS OR NOT.		
			3. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL VOLUME DAMPERS IN DUCTWORK AS REQUIRED TO BALANCE THE AIRFLOW AT ALL REGISTERS AND DIFFUSERS TO THE CFM'S INDICATED ON PLAN, WHETHER SPECIFICALLY SHOWN ON THE DRAWINGS OR NOT.		
			4. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.		
			5. ACOUSTICALLY LINE ALL TRANSFER DUCTS. ACOUSTIC LINING SHALL BE 1" THICK. PROVIDE RETURN REGISTERS AT TRANSFER DUCT INLETS & OUTLETS LOCATED BELOW THE CEILING, OR IN AREAS WITH NO CEILING.		
			6. DUCT-MOUNTED SMOKE DETECTORS AND SAMPLING TUBES SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL INSTALL EACH SAMPLING TUBE IN THE DUCTWORK. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE EACH SMOKE DETECTOR. THE MECHANICAL CONTRACTOR SHALL NOT BRANCH OFF ANY DUCT REQUIRING A DUCT SMOKE DETECTOR BEFORE THE DUCT SMOKE DETECTOR. LOCATE SMOKE DETECTORS IN SERVICEABLE AREAS, NOT IN SHAFTS.		
			7. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR HVAC EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE MECHANICAL CONTRACTOR FOR HVAC EQUIPMENT SHALL BE HEAVY DUTY TYPE.		
			8. THE MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BEGINNING OF WORK, AND SHALL COORDINATE ALL WORK WITH OTHER TRADES.		
			9. DUCT DIMENSIONS SHOWN ON MECHANICAL DRAWINGS REFER TO INSIDE CLEAR DUCT DIMENSIONS. WHERE DUCTWORK IS LINED, THE MECHANICAL CONTRACTOR SHALL INCREASE THE SIZE OF DUCT TO COMPENSATE FOR LINING.		
			10. LOCATE THERMOSTATS AND TEMPERATURE SENSORS 5'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. COORDINATE LOCATION WITH FURNITURE, CABINETS, ETC. FURNISH LOCKING TAMPERPROOF COVER FOR ALL NEW THERMOSTATS IN PUBLIC AREAS.		
			11. COORDINATE DUCTWORK, GRILLE, DIFFUSER AND REGISTER LOCATIONS WITH LIGHTS, SPRINKLER HEADS, SMOKE DETECTORS, AND THE ARCHITECTURAL PLANS.		
			12. THE MECHANICAL CONTRACTOR SHALL NOTE THAT, IN ADDITION TO THE SPECIFICATIONS AND DETAILS GIVEN IN THESE PLANS FOR PIPE HANGERS AND SUPPORTS, ALL HANGERS AND SUPPORTS SHALL BE DESIGNED AND INSTALLED IN COMPLIANCE WITH APPLICABLE SEISMIC CODES.		
			13. ALL EXPOSED DUCTWORK LOCATED IN AREAS WHERE THERE IS NO CEILING SHALL BE ROUND OR OVAL SPIRAL DUCTWORK, INTERNALLY LINED, PRIMED AND FINISHED PAINTED WITH FLAT ENAMEL. COORDINATE COLOR SELECTION WITH ARCHITECTURAL PLANS.		
			14. ALL HVAC EQUIPMENT SHALL HAVE 3" HIGH BLACK LAMACOID NAME PLATES WITH WHITE ENGRAVED LETTERS PERMANENTLY FASTENED TO EQUIPMENT.		

15. THE MECHANICAL CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING DUCTWORK, PLUMBING AND SPRINKLER PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, SMOKE DETECTORS, DIFFUSERS, GRILLES, ETC.
16. PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR WALLS AS LISTED BELOW EXCEPT WHERE OTHERWISE DETAILED ON DRAWINGS.
17. MASONRY OPENING      LINTEL
- 4'-11" OR LESS      4"x3-1/2"x5/16"  
5'-0" TO 7'-0"      5"x3-1/2"x5/16"
- A.) 3-1/2" LEGS ARE HORIZONTAL.  
B.) PROVIDE ONE ANGLE FOR EACH 3-3/4" OF WALL THICKNESS OR LESS. PROVIDE 5x5x5/16" ANGLE FOR 5-5/8" OR 6" THICK WALLS OR PARTITIONS.  
C.) LENGTH OF LINTELS = MASONRY OPENINGS + 12".
18. ALL WORK SHALL COMPLY WITH STATE BUILDING CODE, LOCAL BUILDING CODE, AND ENERGY CODE REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
19. DURING CONSTRUCTION, ALL OPEN OR INCOMPLETE DUCTWORK SHALL BE CAPPED AIRTIGHT WITH WITH HEAVY POLYETHYLENE PLASTIC. AFTER THE INSTALLATION OF DUCTWORK, REGISTERS, GRILLES, AND DIFFUSERS, THE CONTRACTOR SHALL BLANK OFF ALL REGISTERS, GRILLES, AND DIFFUSERS WITH HEAVY POLYETHYLENE PLASTIC AND TAPE AIR TIGHT, IN AREAS THAT ARE UNDER CONSTRUCTION, UNTIL WORK IS COMPLETE IN THOSE AREAS. FLOOR REGISTERS AND GRILLES SHALL ALSO BE COVERED WITH 1/8" MASONITE.
21. THE OWNER'S PERMANENT HVAC EQUIPMENT (NEW AND EXISTING) SHALL NOT BE USED BY ANY CONTRACTOR DURING CONSTRUCTION FOR TEMPORARY HEATING, COOLING, OR VENTILATION. IF TEMPORARY HEATING, COOLING, OR VENTILATION IS REQUIRED AT ANY POINT DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY HEATING, COOLING, OR VENTILATION EQUIPMENT, DUCTWORK, CONTROLS, AND POWER AT HIS OWN EXPENSE.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.
24. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
25. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, ACCESS PANELS, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF HVAC DUCTWORK, CONTROL CONDUITS, AND PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE MECHANICAL WORK.
26. ALL ROOF WORK ASSOCIATED WITH PENETRATIONS FOR NEW REFRIGERANT PIPING & CONTROL WIRING SHALL BE MADE BY THE BONDED ROOF CONTRACTOR.
27. REPLACE FILTERS FOR ALL EXISTING ROOFTOP UNITS AFTER CONSTRUCTION IS COMPLETE.



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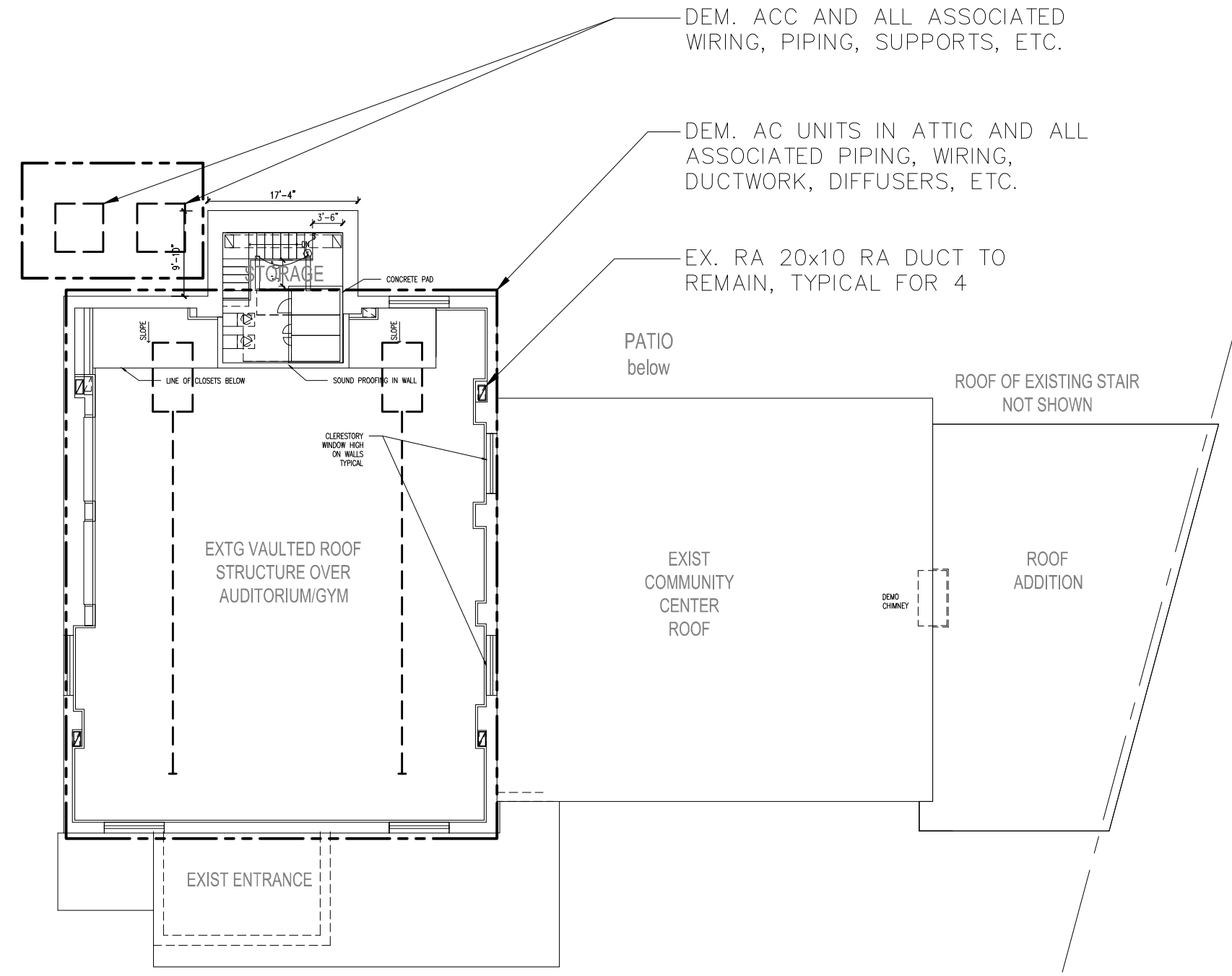
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DRAWING TITLE

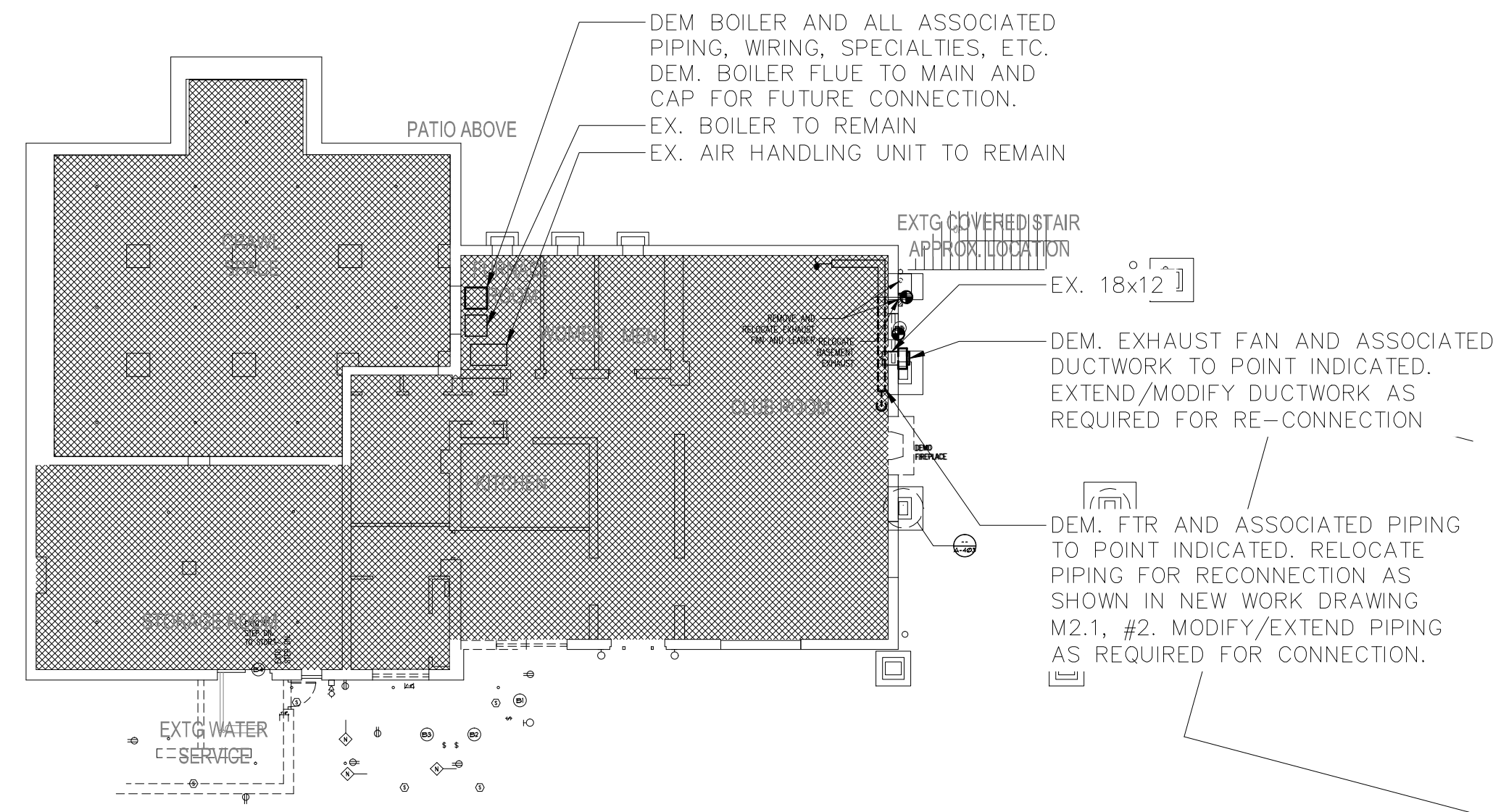
**MECHANICAL SYMBOLS, ABBREVIATIONS AND NOTES**

SEAL	SCALE	PROJECT NO.
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	DRAWN BY	DRAWING NO.
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	CHECKED BY	M0.1
	RJ	
	DATE	
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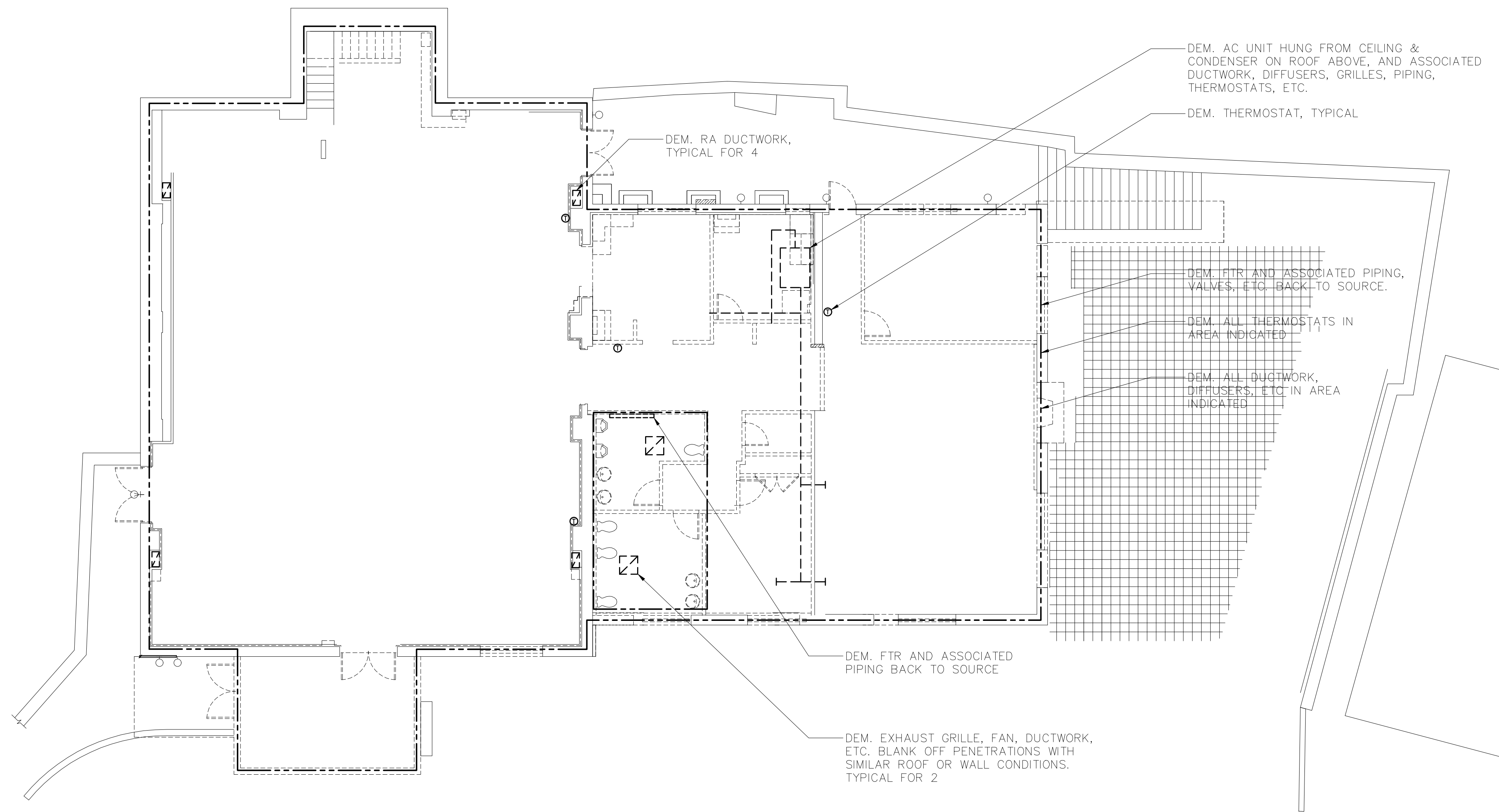




3 MECHANICAL ROOF DEMOLITION PLAN  
SCALE: 1/16" = 1'-0"



2 MECHANICAL LOWER DEMOLITION PLAN  
SCALE: 1/16" = 1'-0"



1 MECHANICAL MAIN FLOOR DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"



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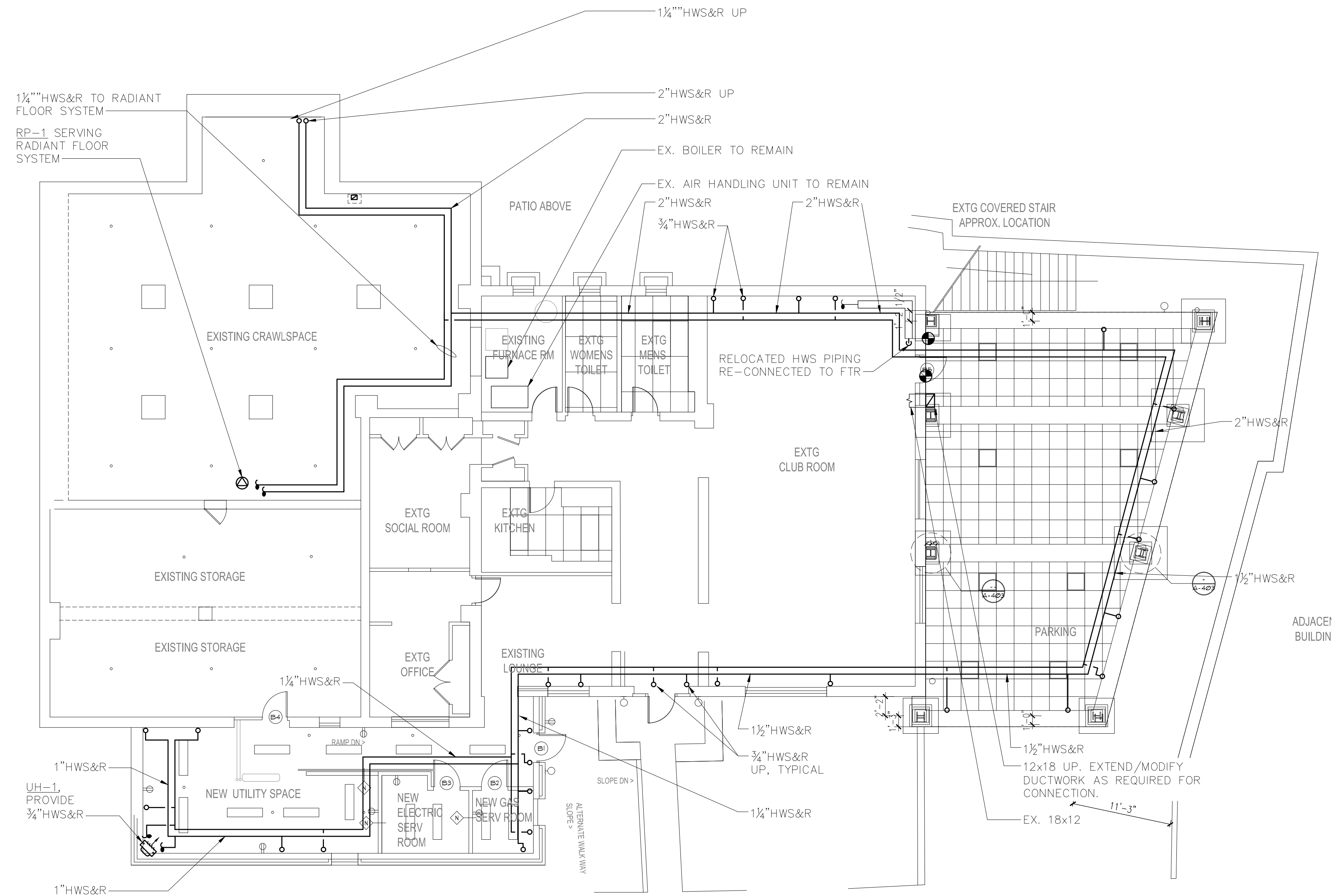
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MECHANICAL  
DEMOLITION PLANS

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 2 MECHANICAL LOWER LEVEL NEW WORK PLAN  
SCALE: 1/8" = 1'-0"



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MECHANICAL LOWER LEVEL NEW WORK PLAN

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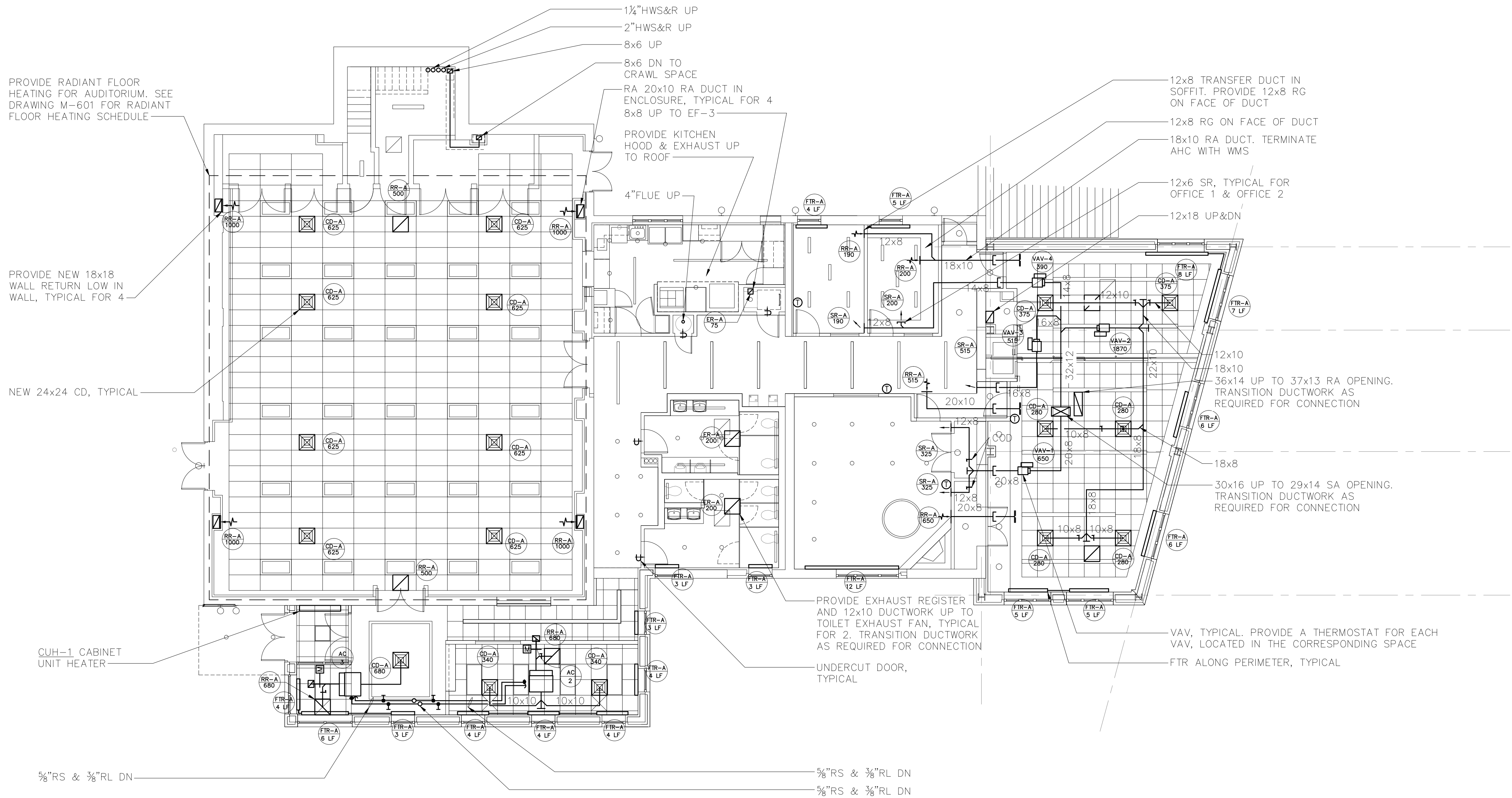
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DRAWING TITLE  
MECHANICAL FIRST  
FLOOR NEW WORK  
PLAN

SEAL	SCALE AS NOTED	PROJECT NO. HAN0005.00
	DRAWN BY OA	DRAWING NO.
	CHECKED BY RJ	M2.2
	DATE 7/20/2017	

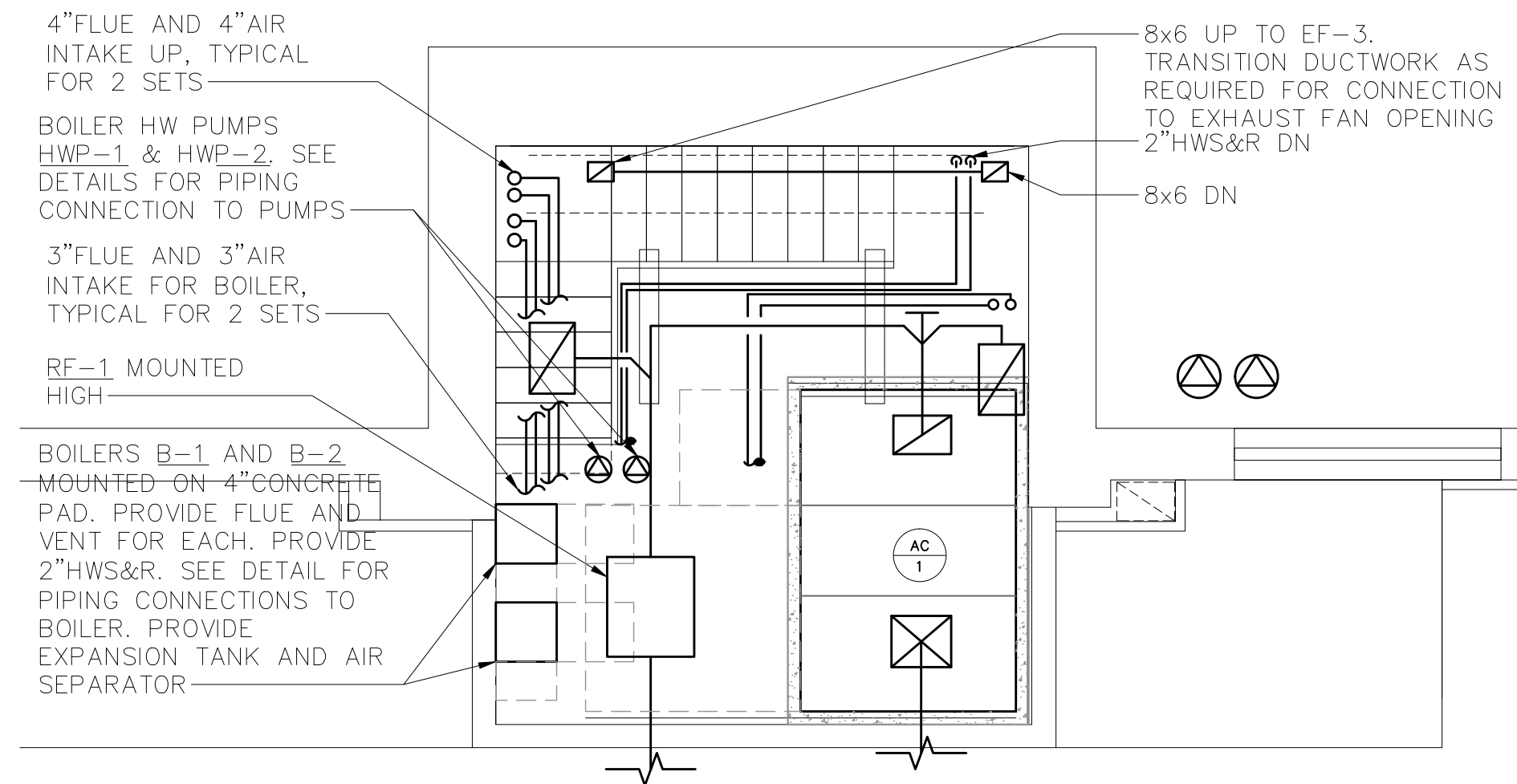


1 MECHANICAL FIRST FLOOR NEW WORK PLAN  
SCALE: 1/8" = 1'-0"

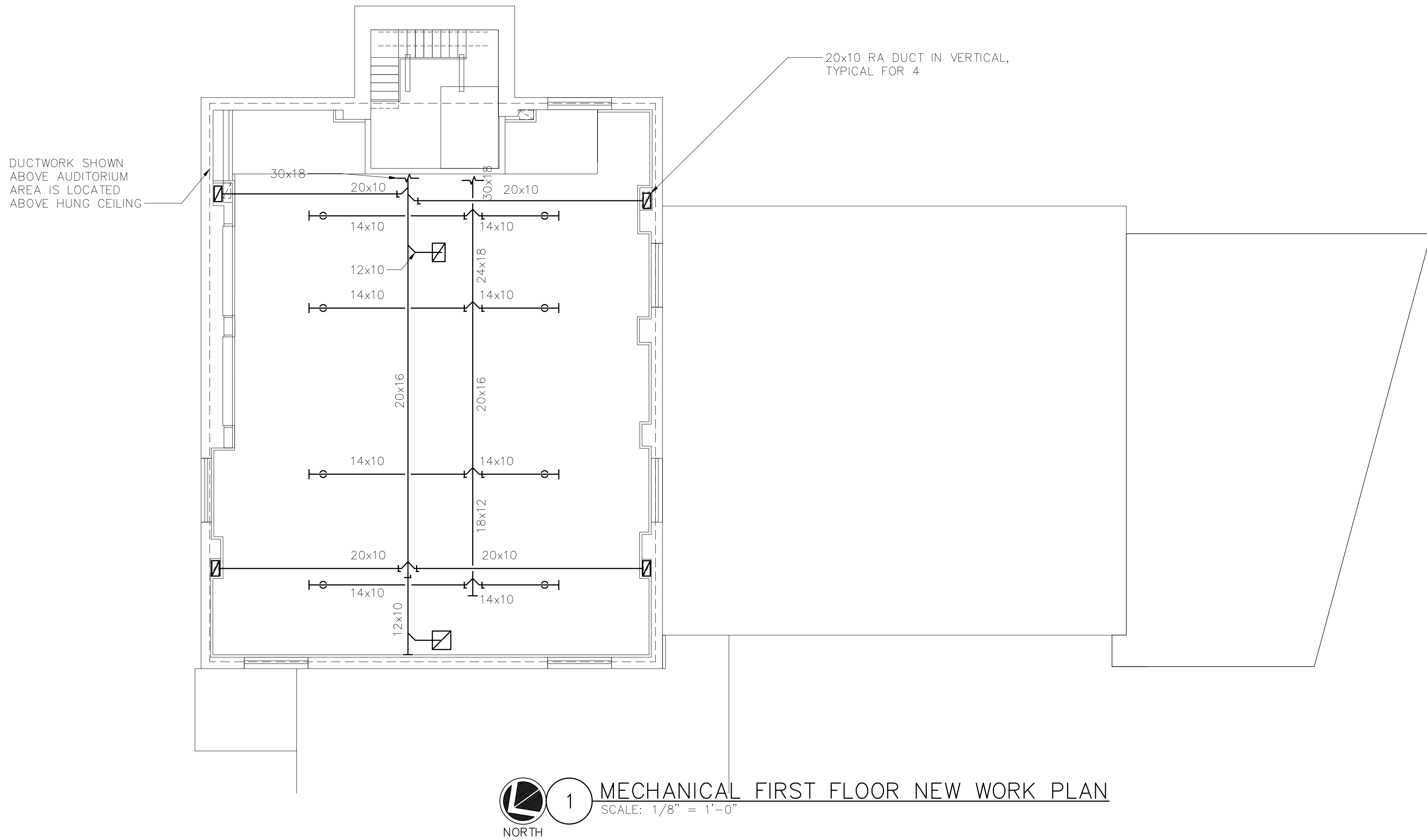
MECHANICAL KEY NOTES:

NOTES:  
1. ALL SUPPLY AIR WALL REGISTERS SHALL BE SAME SIZE AS BRANCH DUCT, UNLESS OTHERWISE NOTED.





MECHANICAL MEZZANINE  
NEW WORK PART PLAN  
SCALE: 1/4" = 1'-0"  
NORTH



MECHANICAL FIRST FLOOR NEW WORK PLAN  
SCALE: 1/8" = 1'-0"  
NORTH



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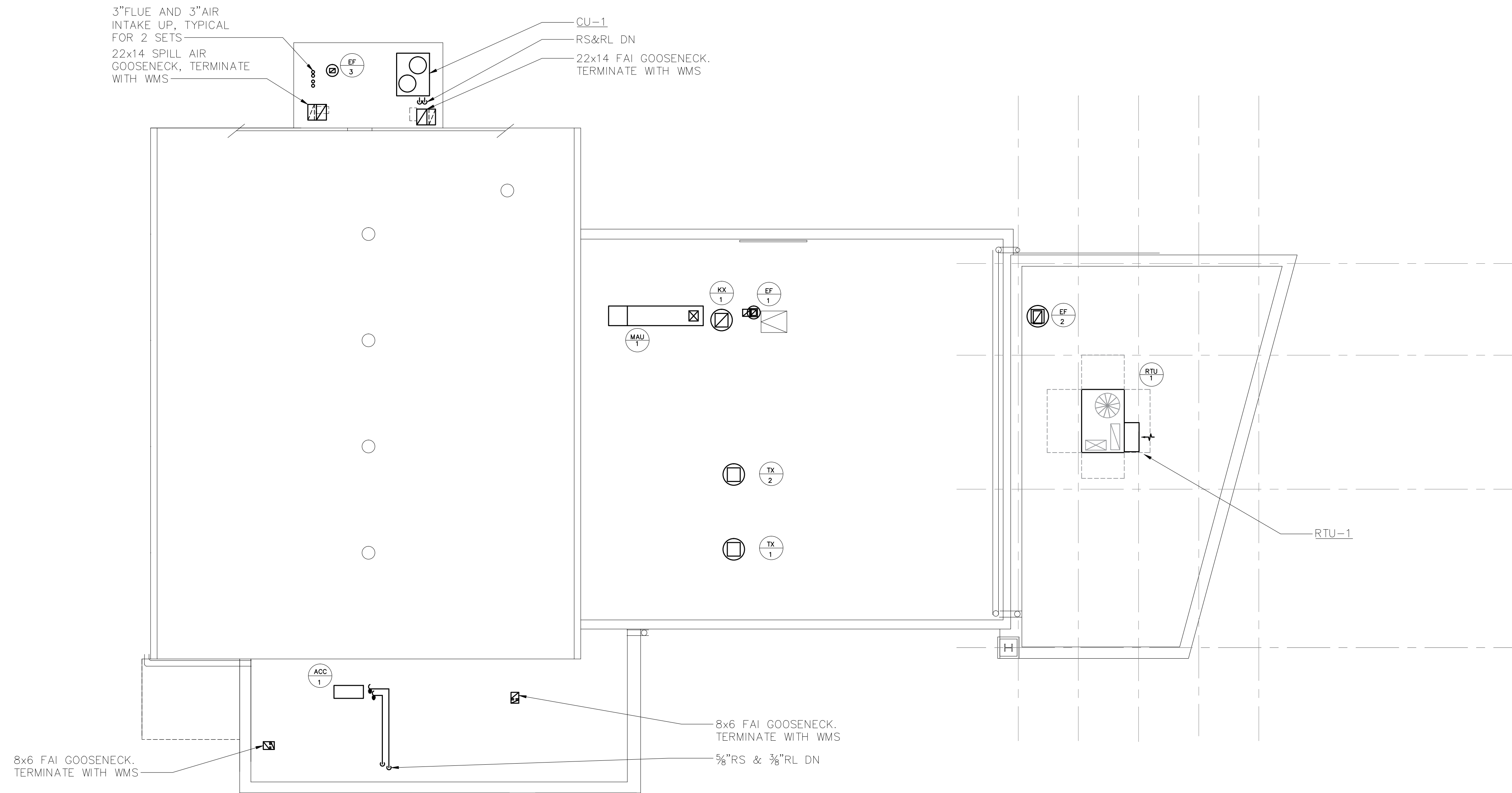
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DRAWING TITLE  
**MECHANICAL UPPER GYM  
AND MEZZANINE  
NEW WORK PLANS**

SEAL	SCALE AS NOTED	PROJECT NO. HAN0005.00
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 **1** MECHANICAL ROOF NEW WORK PLAN  
SCALE: 1/8" = 1'-0"



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DRAWING TITLE  
  
**MECHANICAL  
ROOF NEW WORK  
PLAN**

SEAL	SCALE	PROJECT NO.
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HOT WATER CABINET HEATER SCHEDULE	
DESIGNATION	CUH-1
LOCATION	ENTRY VESTIBULE
MODEL	
UNIT SIZE	
HP	
COIL DESIGNATION	
CFM	
EWT/LWT (°F)	
EAT/LAT (°F)	
CAPACITY (MBH)	
GPM	
WPD (FT. H <sub>2</sub> O)	
No. OF ROWS/F.P.I.	
ELECTRICAL DATA:	
WATTS	
VOLTS/ø/Hz	
FLA	
NOTES: 1. UNITS BASED ON TRANE. 2. FURNISH THE FOLLOWING OPTIONAL EQUIPMENT FOR EACH: •VERTICAL SURFACE MOUNTED WITH SLOPE TOP •PIPING PACKAGE SHALL BE RIGHT OR LEFT HAND AS COORDINATED IN THE FIELD •FRONT BOTTOM BAR INLET GRILLE •TOP BAR GRILLE DISCHARGE •LEVELING FEET AND KEY LOCK ACCESS DOORS •COIL AIR VENT •DISCONNECT SWITCH •1" THROUGH AWAY FILTERS •N.C. 3 WAY MODULATING CONTROL VALVE •4" SUB BASE •DELUXE PIPING PACKAGE WITH BALL VALVE SHUT OFFS AND CIRCUIT SETTER •UNIT MOUNTED THERMOSTAT WITH FAN ON OFF AUTO SWITCH AND TEMP SETTING 3. SUBMIT COLOR CHART	

RADIANT FLOOR HEATING SCHEDULE	
FLOOR NUMBER	MAIN LEVEL
ZONE (ROOM NUMBER)	AUDITORIUM
No. OF LOOPS	17
ESTIMATED LOOP LENGTH (FT)	4097
GPM	10
SURFACE TEMP. (°F)	82.5
P.D. (FT H <sub>2</sub> O)	6.3
NOTES: 1. RADIANT FLOOR HEATING EQUIPMENT BASED ON UPONOR. 2. TUBING SHALL BE ½"DIAMETER h6PEX WITH A 8" ON CENTER SPACING. 3. PROVIDE SUPPLY AND RETURN RADIANT MANIFOLD FOR EACH ZONE NOTED ABOVE. 4. PROVIDE MANIFOLD WALL CABINETS FOR EACH ZONE NOTED ABOVE TO ACCOMMODATE RADIANT MANIFOLDS. 5. PROVIDE QUICK TRACK PANELS FOR ALL RADIANT ZONES. 6. ENTERING WATER TEMPERATURE = 122°F; LEAVING WATER TEMPERATURE = 102°F.	

HOT WATER BOILER SCHEDULE		
DESIGNATION	B-1	B-2
LOCATION	MECHANICAL MEZZANINE	MECHANICAL MEZZANINE
SERVING	SEE PLANS	SEE PLANS
MANUFACTURER	LOCHNIVAR	LOCHNIVAR
MODEL	WH-286	WH-286
OUTPUT (MBH)	270.75	270.75
WORKING PSI	80	80
WATER CONTENT (GAL)	4.9	4.9
EWT/LWT (°F)	180	180
GAS BURNER:		
GAS INPUT (MBH)	285	285
ELECTRICAL DATA:		
VOLTS/ø/Hz	120/1/60	120/1/60
BLOWER MOTOR HP		
NOTES: 1. PROVIDE DISCONNECT SWITCH FOR EACH BURNER. 2. PROVIDE BOILERS WITH 40 PSI ASME RELIEF VALVES, 4-1/2" PRESSURE AND TEMPERATURE GAUGES, AUTOMATIC RESET HIGH LIMIT AQUASTAT, MANUAL RESET HIGH LIMIT AQUASTAT, LOW WATER CUT OFF AND AQUASTAT FOR SUPPLY WATER TEMPERATURE CONTROL. 3. PROVIDE CIRCULATOR FOR EACH BOILER.		

RETURN REGISTER SCHEDULE		
DESIGNATION	RR	
MODEL	3 FS	
MAX NK VEL (FT/MIN)	500	
MAX NC	25	
CONSTRUCTION	ALUMINUM	
BORDER/FRAME	SURFACE MOUNTED	
DEFLECTION	45° FIXED	
SPACING	¾"	
	CFM RANGE	NOMINAL NECK SIZE
	0-150	8x8
	151-250	10x10
	251-350	12x12
	351-725	18x18
	726-950	22x22
	951-1100	24x24
	1101-1400	24x30
NOTES: 1. RETURN REGISTERS ARE BASED ON TITUS. 2. THE ABOVE SCHEDULE INDICATES NOMINAL REGISTER NECK SIZES. THE CONTRACTOR SHALL COORDINATE THE REGISTER SIZE IN THE FIELD ACCORDING TO THE ACTUAL DUCT DIMENSIONS AND MAINTAIN AN EQUIVALENT CORE AREA. 3. ALL REGISTERS SHALL BE EQUIPPED WITH AN OPPOSED BLADE VOLUME DAMPER. 4. SUBMIT COLOR CHART FOR REVIEW AND APPROVAL BY ARCHITECT. 5. RETURN REGISTERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED. CONTRACTOR TO COORDINATE.		

SUPPLY REGISTER SCHEDULE		
DESIGNATION	SR-1	
MODEL	300RL	
MAX NK VEL (FT/MIN)	550	
MAX NC	25	
CONSTRUCTION	ALUMINUM	
BORDER/FRAME	SURFACE MOUNTED	
DEFLECTION	DOUBLE	
SPACING	¾"	
	CFM RANGE	NOMINAL NECK SIZE
	0-200	8x8
	201-300	10x10
	301-500	12x12
	501-850	16x16
	851-1100	18x18
	1101-1700	22x22
	1701-2000	24x24
NOTES: 1. SUPPLY REGISTERS BASED ON TITUS. 2. THE ABOVE SCHEDULE INDICATES NOMINAL REGISTER NECK SIZES. THE CONTRACTOR SHALL COORDINATE THE REGISTER SIZE IN THE FIELD ACCORDING TO THE ACTUAL DUCT DIMENSIONS AND MAINTAIN EQUIVALENT CORE AREA. 3. ALL REGISTERS SHALL BE EQUIPPED WITH AN OPPOSED BLADE VOLUME DAMPER. 4. SUBMIT COLOR CHART FOR REVIEW AND APPROVAL BY ARCHITECT. 5. SUPPLY REGISTERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED. CONTRACTOR TO COORDINATE.		

CEILING DIFFUSER SCHEDULE		
DESIGNATION	CD-1	
MODEL	OMNI	
MAX CORE VEL (FT/MIN)	550	
MAX NC	25	
CONSTRUCTION	STEEL	
FRAME	LAY-IN	
DEFLECTION	4 WAY	
FACE SIZE	24x24 / 12x12	
	CFM RANGE	NECK SIZE ø
	0-100	6"
	101-200	8"
	201-350	10"
	351-450	12"
	451-600	14"
	601-700	15"
NOTES: 1. CEILING SUPPLY DIFFUSERS ARE BASED ON TITUS. 2. ALL DIFFUSERS SHALL BE EQUIPPED WITH AN OPPOSED BLADE VOLUME DAMPER. 3. COORDINATE COLOR SELECTION WITH ARCH PLANS. 4. SUPPLY DIFFUSERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED. CONTRACTOR TO COORDINATE. 5. ALL LAY-IN DIFFUSERS SHALL HAVE A MODULE SIZE OF 24x24. FACE SIZES SHOWN IN SCHEDULE ARE FOR SURFACE MOUNT DIFFUSERS. NECK SIZES VARY ACCORDING TO THE SCHEDULE. 6. DIFFUSER BLOW PATTERN IS AS SHOWN ON DRAWINGS.		



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PROJECT TITLE

ADDITION & RENOVATION TO EMBASSY COMMUNITY CENTER  
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MECHANICAL SCHEDULES

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
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	DATE 7/20/2017	

MAKE-UP AIR UNIT SCHEDULE		
DESIGNATION	MAU-1	
LOCATION	ROOF	
AREA SERVED	KITCHEN HOOD	
MANUFACTURER	GREENHECK	
MODEL	DG-109-H10	
EER / COP		
WEIGHT (LBS)	551	
FAN:		
CFM	1,880	
MIN OA CFM	1,880	
HP	.92	
ESP (IN H <sub>2</sub> O)	.5	
HEATING (NATURAL GAS):		
L.A.T. (°F)	75	
TEMP RISE (°F)	62	
INPUT (MBH)	137.3	
OUTPUT (MBH)	126.3	
FILTERS DATA:		
QUANTITY	3	
No./SIZE	MERV-8/16x25x2	
ELECTRICAL DATA:		
VOLTS/ø/Hz	208/3/60	
MCA	8.9	
MAX FUSE SIZE	15	
NOTES: 1. PROVIDE THE FOLLOWING OPTIONS: •100% OUTSIDE AIR UNIT. •DIRTY FILTER SENSOR. •EXTRA DRIVE BELT AND FILTER SET. •DISCONNECT SWITCH. •FREEZE-STAT. •REMOTE INTERFACE. •DAMPER INLET • ROOF CURB 2. PROVIDE THE FOLLOWING MOTOR CONTROL OPTIONS: •ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY. ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE APPLICATIONS. •UNITARY CONTROLLER BY AUTOMATIC TEMPERATURE CONTROLS MANUFACTURER, COMPATIBLE WITH THE BUILDING AUTOMATION SYSTEM. 3.) MOTOR STARTER WITH PHASE LOSS PROTECTION & DISCONNECT SWITCH FOR EACH UNIT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR. EACH UNIT SHALL BE FURNISHED WITH UNIT-MOUNTED LOCAL DISCONNECT SWITCH.		



DUCTLESS SPLIT-SYSTEM AC UNIT SCHEDULE		
INDOOR UNIT DESIGNATION	AC-2	AC-3
MANUFACTURER	CARRIER	CARRIER
INDOOR MODEL	40MBDQ24--3	40MBDQ24--3
NOMINAL COOLING CAPACITY (TON)	2	2
SEN. COOLING CAPACITY (BTU/HR)	35,000	35,000
HEATING CAPACITY (BTU/HR)	36,000	36,000
CFM	650	650
RS/RL PIPE SIZE (IN)	5/8 / 3/8	5/8 / 3/8
INDOOR UNIT ELECTRICAL DATA:		
VOLTS/ø/Hz	208-230/1/60	208-230/1/60
MCA/MOCP (AMPS)	N/A	N/A
INDOOR UNIT POWERED FROM OUTDOOR (Y/N)	Y	Y
INDOOR EVAPORATOR UNIT DATA:		
LOCATION	SEE PLANS	SEE PLANS
HEIGHT x WIDTH x DEPTH (IN)	11x36x25	11x36x25
WEIGHT (LBS)	57	57
*FIELD INSTALLED PLENUM SIZE (IN)	32x11x18	32x11x18
OUTDOOR CONDENSING UNIT DATA:		
DESIGNATION	ACC-1	
LOCATION	NORTH ROOF ADDITION	
MODEL	38MGRQ36D--3	
HEIGHT x WIDTH x DEPTH (IN)	52x41x18	
WEIGHT (LBS)	222	
REFRIGERANT TYPE	R-410A	
OUTDOOR UNIT ELECTRICAL DATA:		
VOLTS/ø/Hz	208-230/1/60	
MCA/MOCP (AMPS)	35 / 50	
SEER	17.0	
NOTES:		
1. PROVIDE THE FOLLOWING OPTIONS FOR EACH UNIT:		
•0" LOW AMBIENT CONTROLS.		
•7-DAY PROGRAMMABLE SYSTEM CONTROLLER.		
2. FIELD SUPPLIED LOCAL DISCONNECT SWITCH AT EACH INDOOR UNIT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR.		
3. FIELD SUPPLIED WEATHERPROOF LOCAL DISCONNECT SWITCH AT EACH OUTDOOR UNIT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR.		
4. THE AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE CONTROL WIRING BETWEEN THE OUTDOOR UNIT AND INDOOR UNIT.		
5. EACH AC UNIT SHALL BE PROVIDED WITH INTEGRAL CONDENSATE PUMP.		
6. *MECHANICAL CONTRACTOR SHALL PROVIDE FIELD INSTALLED PLENUM FOR EACH INDOOR UNIT. EACH PLENUM SHALL HAVE RETURN AIR OPENING TO CEILING PLENUM THE SAME HEIGHT AND WIDTH OF THE PLENUM. RETURN AIR OPENING SHALL HAVE MANUAL VOLUME DAMPER AND ½"WMS.		
7. PROVIDE ROOF RAILS FOR EACH ACC UNIT.		
8. PROVIDE INSULATION ON REFRIGERANT PIPING.		
9. PROVIDE SPRING HANGERS FOR EACH AC UNIT.		
10. PROVIDE REFRIGERANT SUCTION AND LIQUID LINES BETWEEN ACC AND RESPECTIVE AC UNIT.		
11. FINAL RS&RL PIPING QUANTITIES AND SIZES SHALL BE VERIFIED BY THE EQUIPMENT MANUFACTURER.		

AIR HANDLING UNIT SCHEDULE	
DESIGNATION	AHU-1
LOCATION	MECHANICAL MEZZANINE
AREA SERVED	AUDITORIUM
MANUFACTURER	CARRIER
MODEL	39MN
WEIGHT OF UNIT (LBS)	2269
INTERLOCKED	
DESIGN DATA:	
SUPPLY AIR (CFM)	4900
OUTDOOR AIR (CFM)	1095
RETURN AIR (CFM)	4900
FILTERS:	
PRE-FILTER	
MAIN FILTER	
QUANTITY/SIZE	
HOT WATER COIL:	
FACE AREA (SQ. FT.)	
No. OF ROWS/FINS PER INCH	
E.W.T./L.W.T. (°F)	
E.A.T./L.A.T. (°F)	
AIR P.D. (IN H₂O)	
CAPACITY (MBH)	
GPM	
W.P.D. (FT H₂O)	
DX COIL:	
FACE AREA (SQ. FT.)	
No. OF ROWS/FINS PER INCH	6 / 8
E.A.T./L.A.T. (°F)	
E.A.T. (°F) DB/WB	
L.A.T. (°F) DB/WB	
AIR P.D. (IN H₂O)	
CAPACITY (MBH) SENS./TOTAL	
GPM	
W.P.D. (FT H₂O)	
SUPPLY FAN:	
DESIGN AIRFLOW (CFM)	
BHP/HP	
RPM	
ESP/TSP (IN H₂O)	
VOLTS/ø/Hz	
STARTER TYPE	
STARTER LOCATION	
DISCONNECT SWITCH AT UNIT (Y/N)	
ELECTRICAL DATA -- SINGLE POINT POWER CONNECTION:	
VOLTS/ø/Hz	
FLA/MCA/MOCP (AMPS)	
NOTES: 1. PROVIDE THE FOLLOWING MODULES FOR INDOOR UNITS [ADD UNIT TAGS] (BACK TO FRONT): •MIXING BOX MODULE. •FLAT FILTER MODULE. •HOT WATER COIL MODULE. •CHILLED WATER COIL MODULE. **IF GLYCOL** •HOT WATER COIL SHALL BE SIZED FOR 30% PROPYLENE GLYCOL SOLUTION. **OR** •CHILLED WATER COIL SHALL BE SIZED FOR 30% PROPYLENE GLYCOL SOLUTION. •SUPPLY FAN MODULE. •UNIT SHALL BE MOUNTED ON 3-1/2" HIGH CONCRETE PAD WITH VIBRATION ISOLATORS. •UNIT ____ SHALL BE SHIPPED KNOCKED DOWN IN SECTIONS, AND SHALL BE ASSEMBLED IN THE FIELD BY THE CONTRACTOR. PROVIDE ALL NECESSARY LABOR, RIGGING, AND FIELD WIRING. ALL SECTIONS OF THIS UNIT MUST BE ABLE TO FIT THROUGH EXISTING DOORS TO MECHANICAL ROOM ____, RE: M____. 2. PROVIDE THE FOLLOWING OPTIONAL EQUIPMENT FOR EACH UNIT: •100% MODULATING ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL. •FURNISH A FREEZE STAT ARRANGED TO OVERRIDE THE HOT WATER CONTROL VALVE AND SHUT DOWN UNIT, AS PER THE SEQUENCE OF OPERATIONS. •FURNISH EXTRA DRIVE BELT AND EXTRA FILTER SET FOR EACH UNIT. •COORDINATE LEFT/RIGHT COIL CONNECTION AND FAN DRIVE IN FIELD. •FURNISH 2-WAY MODULATING CONTROL VALVE FOR EACH COIL, WITH PIPING PACKAGE AS PER DETAIL ON DRAWING M7.1. 5 PSI MAX AT CONTROL VALVE. •ALL MODULATING DAMPERS SHALL BE OPPOSED-BLADE TYPE. OPEN/CLOSE DAMPERS MAY BE PARALLEL-BLADE TYPE. •OUTSIDE AIR INTAKE DAMPER FOR EACH VARIABLE AIR VOLUME UNIT SHALL BE ARRANGED MODULATE TO MAINTAIN CONSTANT OAI CFM, INDEPENDENT OF VARIABLE SA CFM. PROVIDE AN OUTSIDE AIR INTAKE AIRFLOW MEASURING STATION. 3. PROVIDE THE FOLLOWING MOTOR CONTROL OPTIONS FOR EACH UNIT: •UNITARY CONTROLLER BY AUTOMATIC TEMPERATURE CONTROLS MANUFACTURER, COMPATIBLE WITH THE BUILDING AUTOMATION SYSTEM. •ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY. ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE APPLICATIONS. •FURNISH VFD, CARRIER PART NUMBER AHC550-UH-017A-2, 5 HP FRAME SIZE R1 •ALL MOTOR STARTERS AND DISCONNECT SWITCHES SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR.	

PACKAGED ROOFTOP AC UNIT SCHEDULE			
DESIGNATION	RTU-1		
LOCATION	ROOF -- NEW ADDITION		
AREA SERVED	SEE PLANS		
MANUFACTURER	CARRIER		
MODEL	48HC		
NOMINAL CAPACITY (TONS)	11		
WEIGHT OF UNIT (LBS)	1400		
ARI EER / IEER	12.0 / 14.3		
DESIGN DATA:			
SUPPLY AIR (CFM)	3845		
OUTDOOR AIR (CFM)	495		
RETURN AIR (CFM)	3845		
SPILL AIR (CFM)			
SUMMER OA TEMP (°F) DB/WB			
SUMMER RA TEMP (°F) DB/WB			
WINTER OA TEMP (°F)			
WINTER RA TEMP (°F)			
CONDENSER:			
COMPRESSOR No./TYPE	2 /		
COMPRESSOR RLA (AMPS) EA.			
REFRIGERANT TYPE	R-410A		
No. OF REFRIGERANT CIRCUITS			
TOTAL REFRIG. CHARGE (LBS.)			
No. OF FANS/No. OF MOTORS			
FAN HP/FLA (AMPS) EA.			
COIL FACE AREA (SQ.FT.)			
No. OF ROWS/F.P.I.			
FILTERS:			
MAIN FILTER			
QUANTITY/SIZE	4 / 20x20x2		
EVAPORATOR COIL:			
FACE AREA (SQ. FT.)			
No. OF ROWS/FINS PER INCH			
E.A.T. (°F) DB/WB	79.3 / 67.7		
L.A.T. (°F) DB/WB	58.7 / 58.0		
AIR P.D. (IN H₂O)			
SENS./TOTAL CAPACITY (MBH)	85.71 / 120.67		
INDIRECT GAS-FIRED FURNACE:			
FUEL	NATURAL GAS		
No. OF STAGES	2		
STAGE 1 INPUT/OUTPUT (MBH)	120 / 98		
STAGE 2 INPUT/OUTPUT (MBH)	180 /148		
COMBUSTION FAN FLA (AMPS)	0.48		
SUPPLY FAN:			
CFM	3845		
ESP/TSP (IN H₂O)	1.0 / 1.18		
BHP/HP	2.70 /		
RPM	1020		
MCA / MOCP	54 / 60		
INTAKE AND EXHAUST OPTIONS:			
OUTSIDE AIR INTAKE HOOD WITH MOTORIZED DAMPER			
SPILL AIR HOOD WITH BAROMETRIC DAMPER			
POWER EXHAUST FAN			
NOTES: 1. PROVIDE THE FOLLOWING OPTIONS FOR ALL UNITS: •HIGH STATIC DRIVE MOTOR. COORDINATE LEFT/RIGHT HAND FAN DRIVE IN FIELD. •UNITS SHALL BE HIGH EFFICIENCY. •TEMP ULTRA LOW LEAK ECONOMIZER WITH BARO RELIEF •FURNISH EXTRA DRIVE BELT AND EXTRA FILTER SET FOR EACH UNIT. •UNIT SHALL BE MOUNTED ON 20" HIGH VIBRATION ISOLATION ROOF CURB. (HEIGHT INCLUDES BASE CURB AND VIBRATION ISOLATION RAILS.) •HIGH CAPACITY INDIRECT GAS-FIRED FURNACE. •POWER EXHAUST FAN, ARRANGED TO RUN IN ECONOMIZER MODE, WITH BAROMETRIC RELIEF WHEN ECONOMIZER IS NOT ENABLED. 2. PROVIDE THE FOLLOWING MOTOR CONTROL OPTIONS FOR ALL UNITS: •UNITARY CONTROLLER BY AUTOMATIC TEMPERATURE CONTROLS MANUFACTURER, COMPATIBLE WITH THE BUILDING AUTOMATION SYSTEM. •ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY. ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE APPLICATIONS. •SINGLE POINT EXTERNAL POWER CONNECTION AT UNIT, UNIT-MOUNTED DISCONNECT SWITCH, AND FACTORY INSTALLED MOTOR STARTERS. VAV UNITS SHALL HAVE FACTORY MOUNTED VFD'S WITH H-O-A.			



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EMBASSY COMMUNITY CENTER

60 PALISADE STREET  
DOBBS FERRY, NY 10522

3	ISSUED FOR BID	1/31/18
2	DESIGN DEVELOPMENT	12/15/17
1	SCHEMATIC DESIGN	7/21/17
No.	ISSUE OR REVISION	DATE

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PROJECT TITLE

ADDITION & RENOVATION TO  
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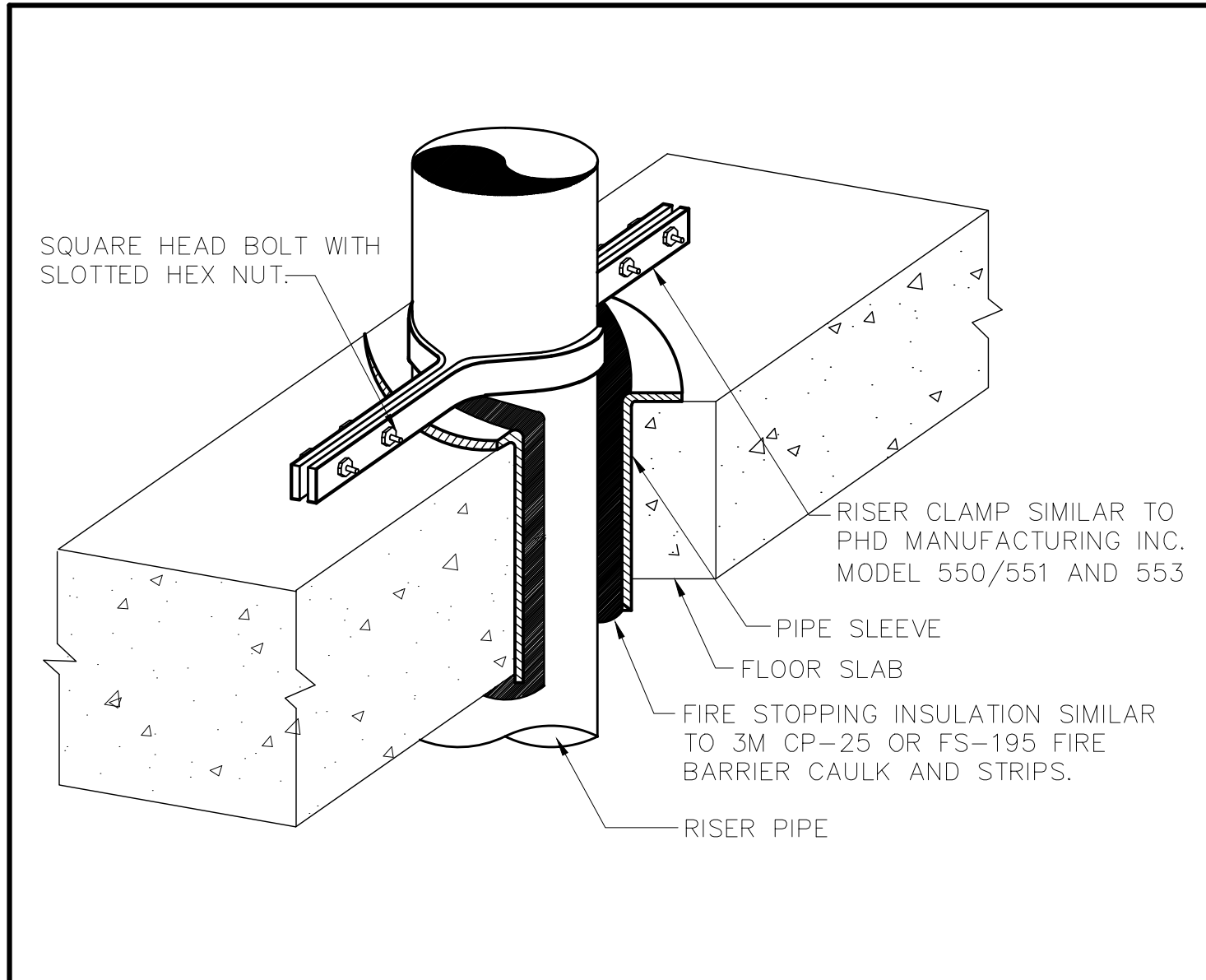
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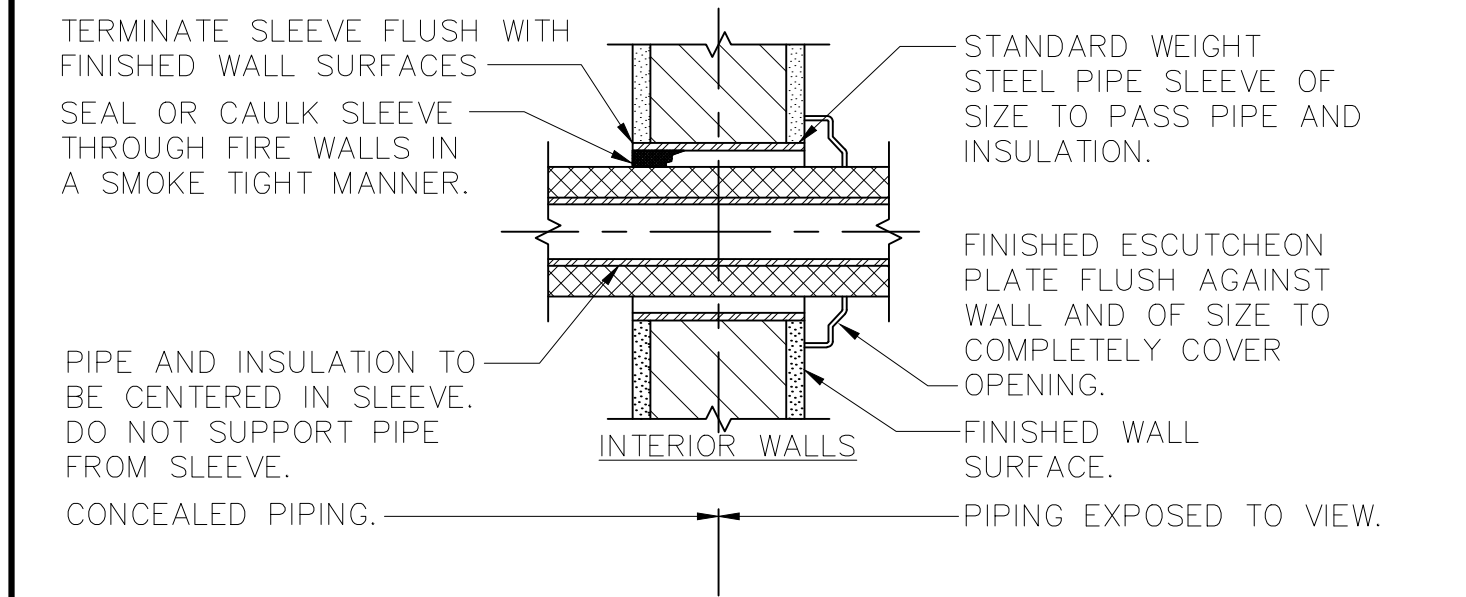
MECHANICAL SCHEDULES

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY OA	DRAWING NO.
	CHECKED BY RJ	M6.1
	DATE 7/20/2017	

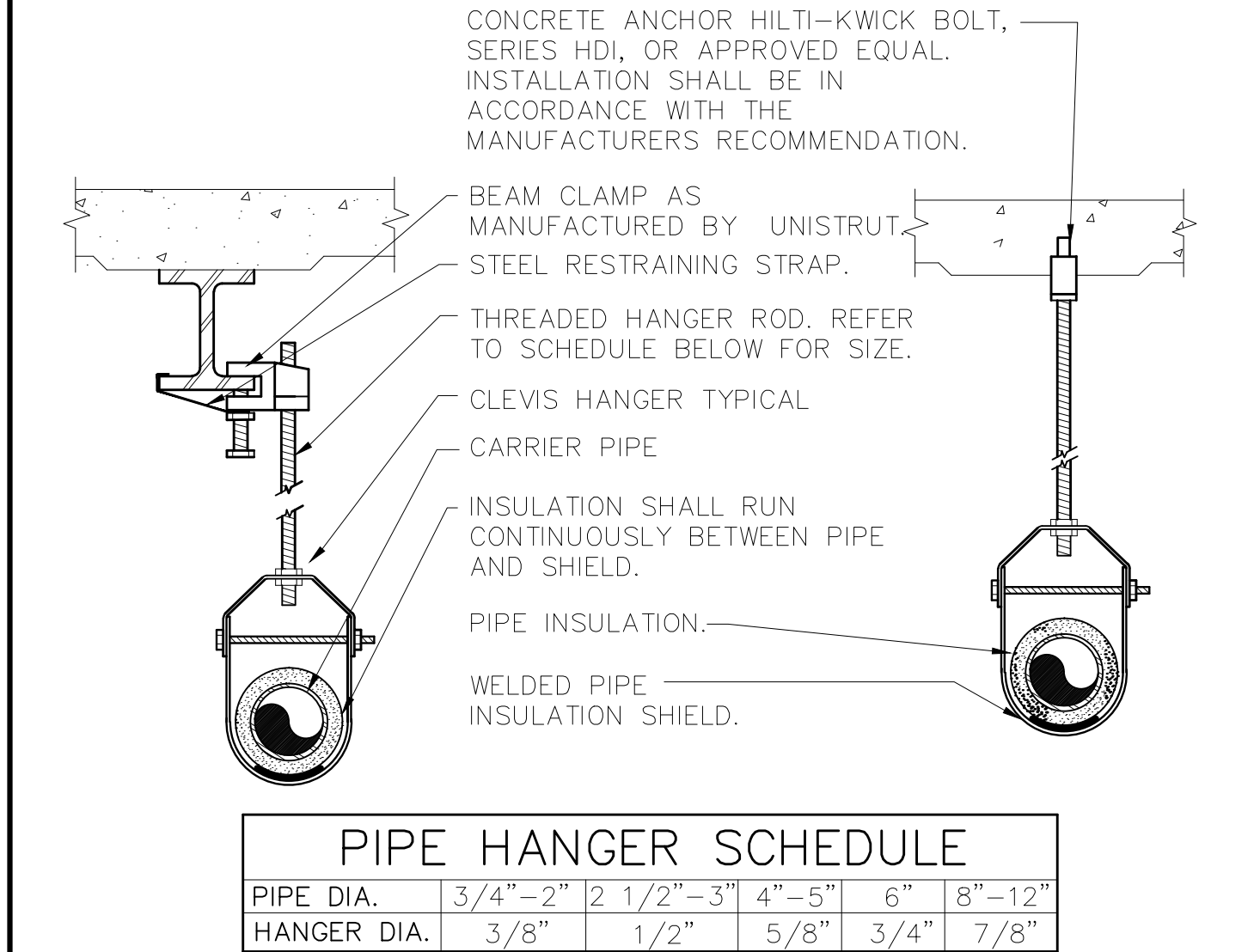




10 VERTICAL PIPE SUPPORT DETAIL  
SCALE: NONE



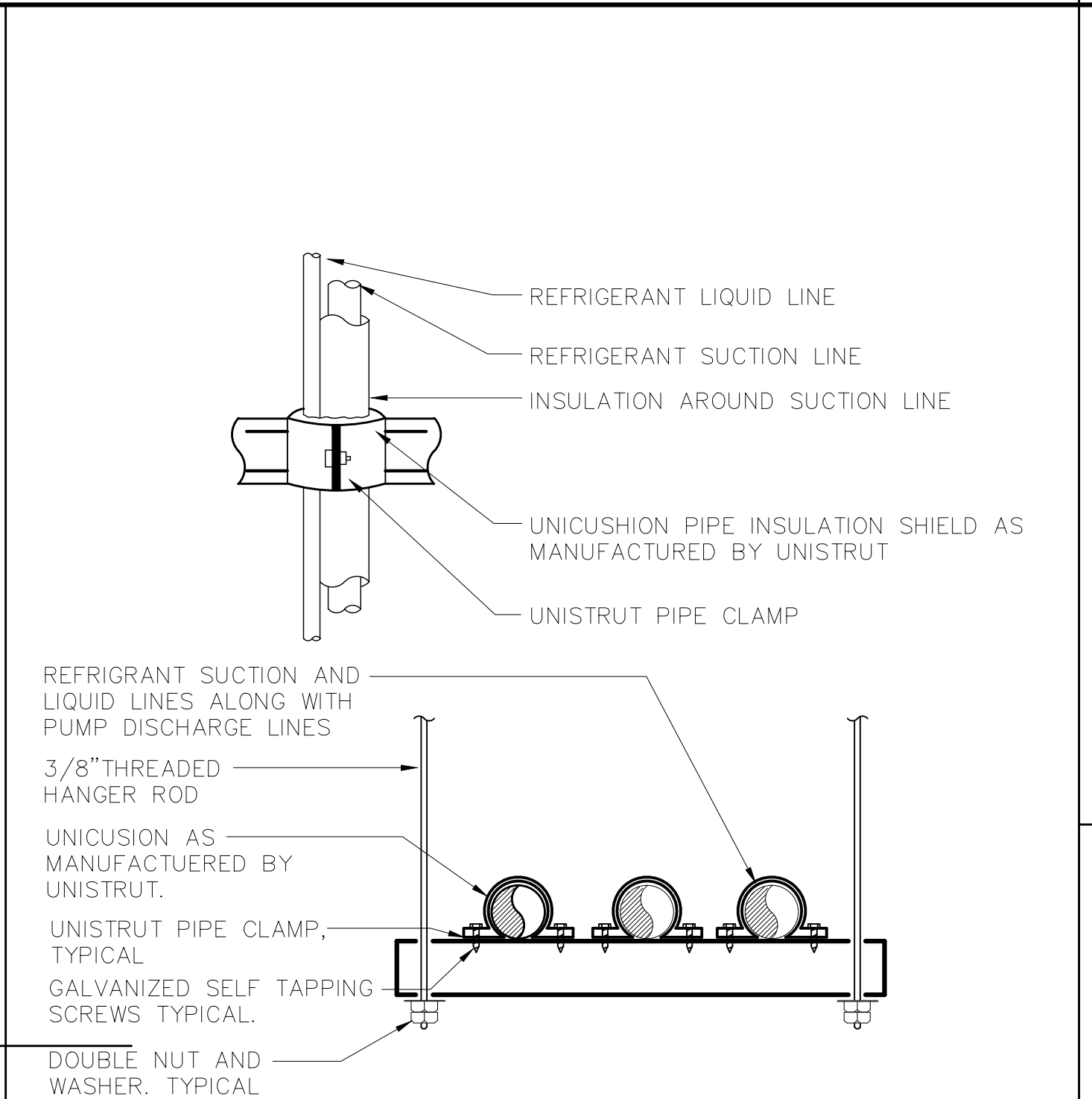
9 PIPE SLEEVES THROUGH WALL  
SCALE: NONE



PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

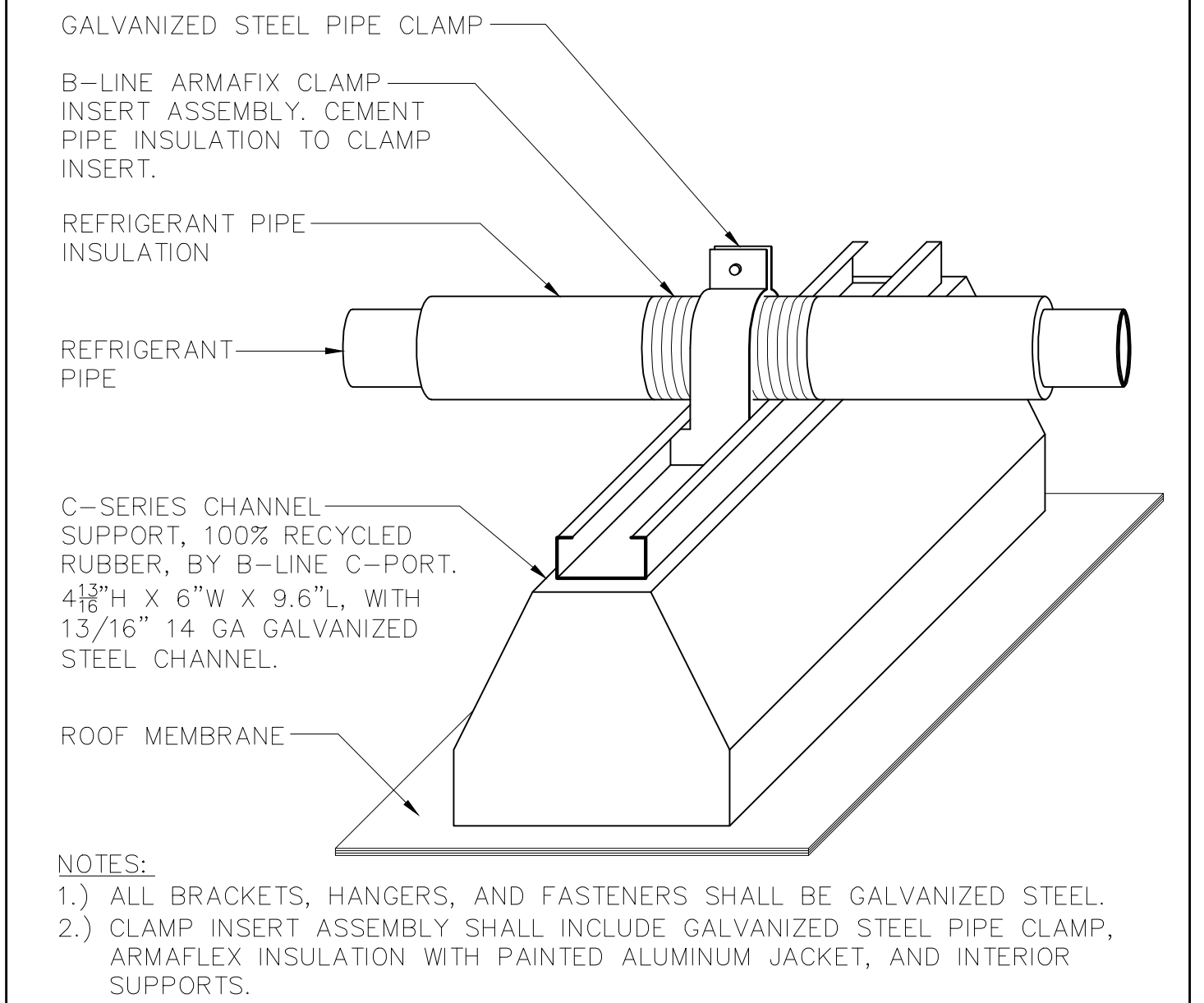
- NOTES:
- CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
  - FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
  - FOR NONINSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
  - ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
  - FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.

8 PIPE HANGER DETAIL  
SCALE: NONE

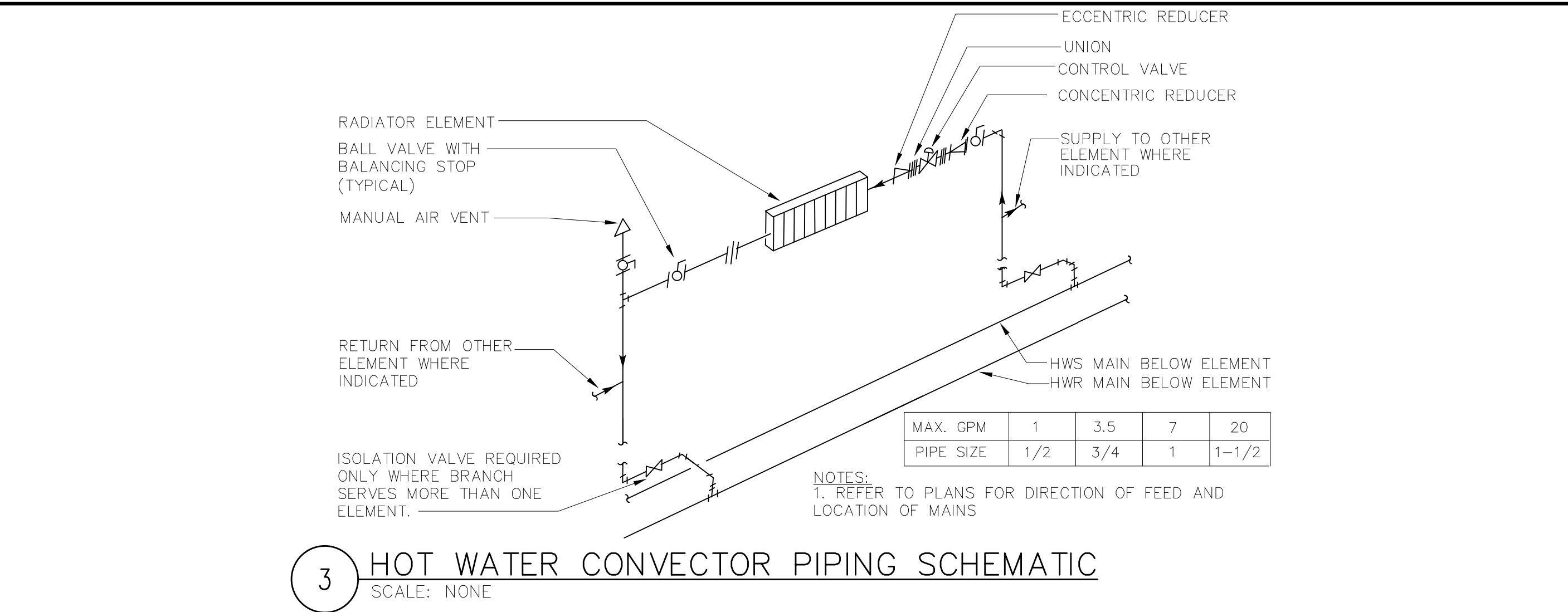


- NOTES:
- LIQUID AND SUCTION LINES MAY BE ROUTED TOGETHER FOR CONVENIENCE, BUT MUST BE COMPLETELY INSULATED FROM EACH OTHER. DO NOT SOLDER LIQUID AND SUCTION LINES TOGETHER. DO NOT ALLOW METAL TO METAL CONTACT.
  - LINES SHOULD BE INSTALLED WITH AS FEW BENDS AS POSSIBLE, ALLOWING SERVICE ACCESS TO THE INDOOR COIL.
  - USE LONG RADIUS ELBOWS WHEREVER POSSIBLE, EXCEPT IN OIL RETURN TRAPS, WHERE SHORT RADIUS ELBOWS SHOULD BE USED.
  - SLOPE HORIZONTAL SUCTION LINES 1 INCH EVERY 20 FEET TOWARD THE OUTDOOR UNIT.

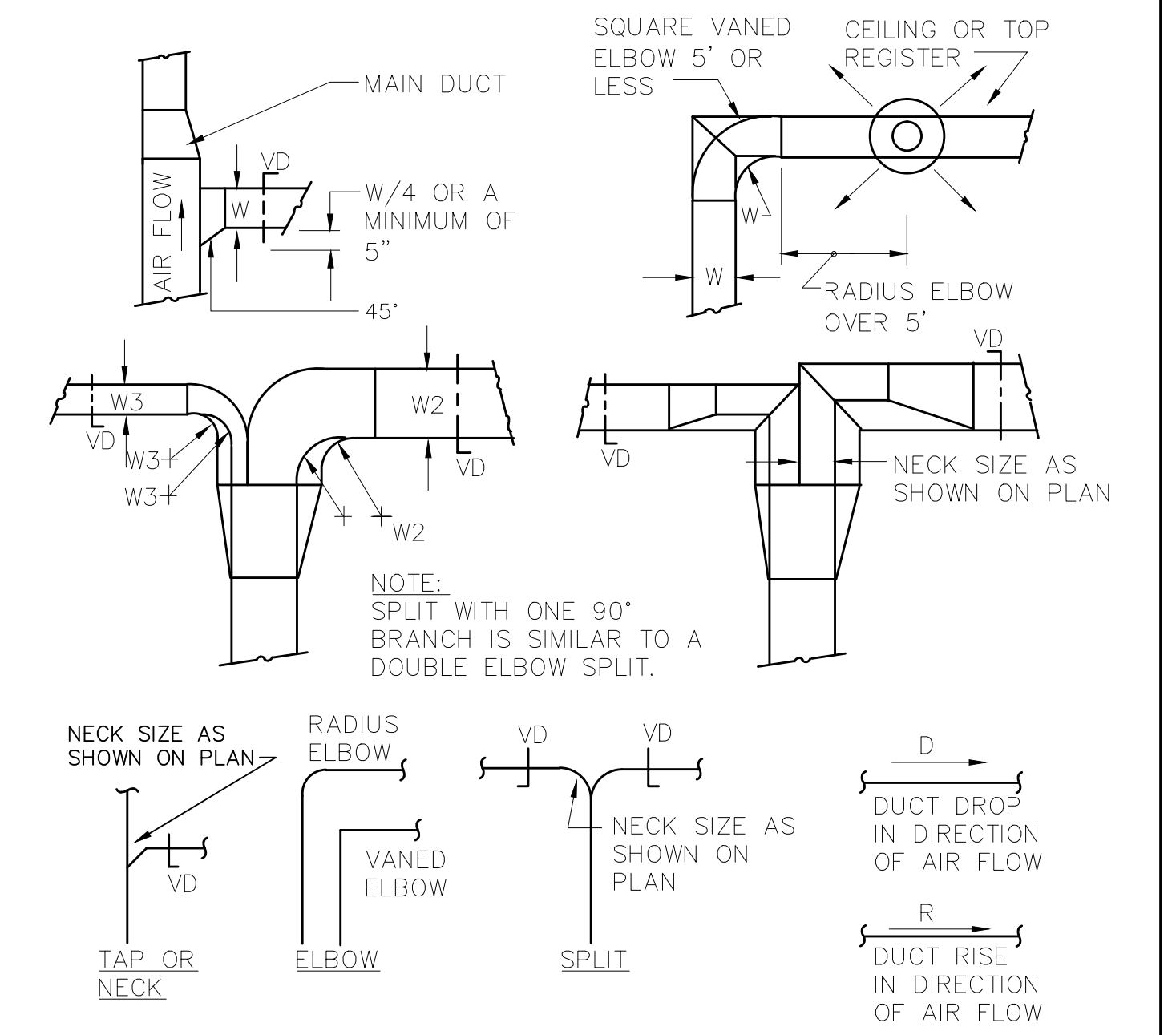
7 REFRIGERNAT PIPE SUPPORT DETAIL  
SCALE: NONE



6 ROOF REFRIGERNAT PIPE SUPPORT DETAIL  
SCALE: NONE

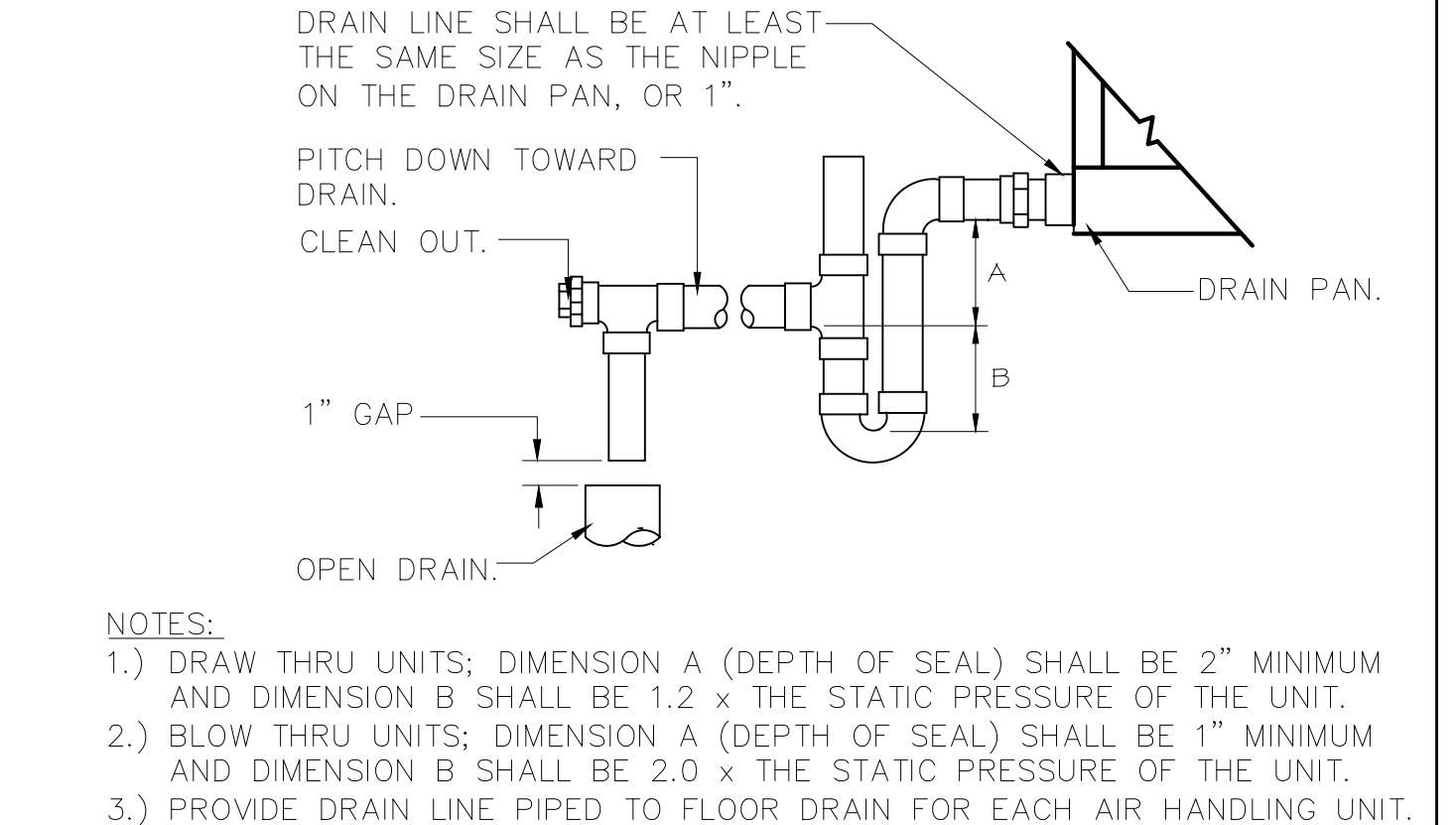


3 HOT WATER CONVECTOR PIPING SCHEMATIC  
SCALE: NONE

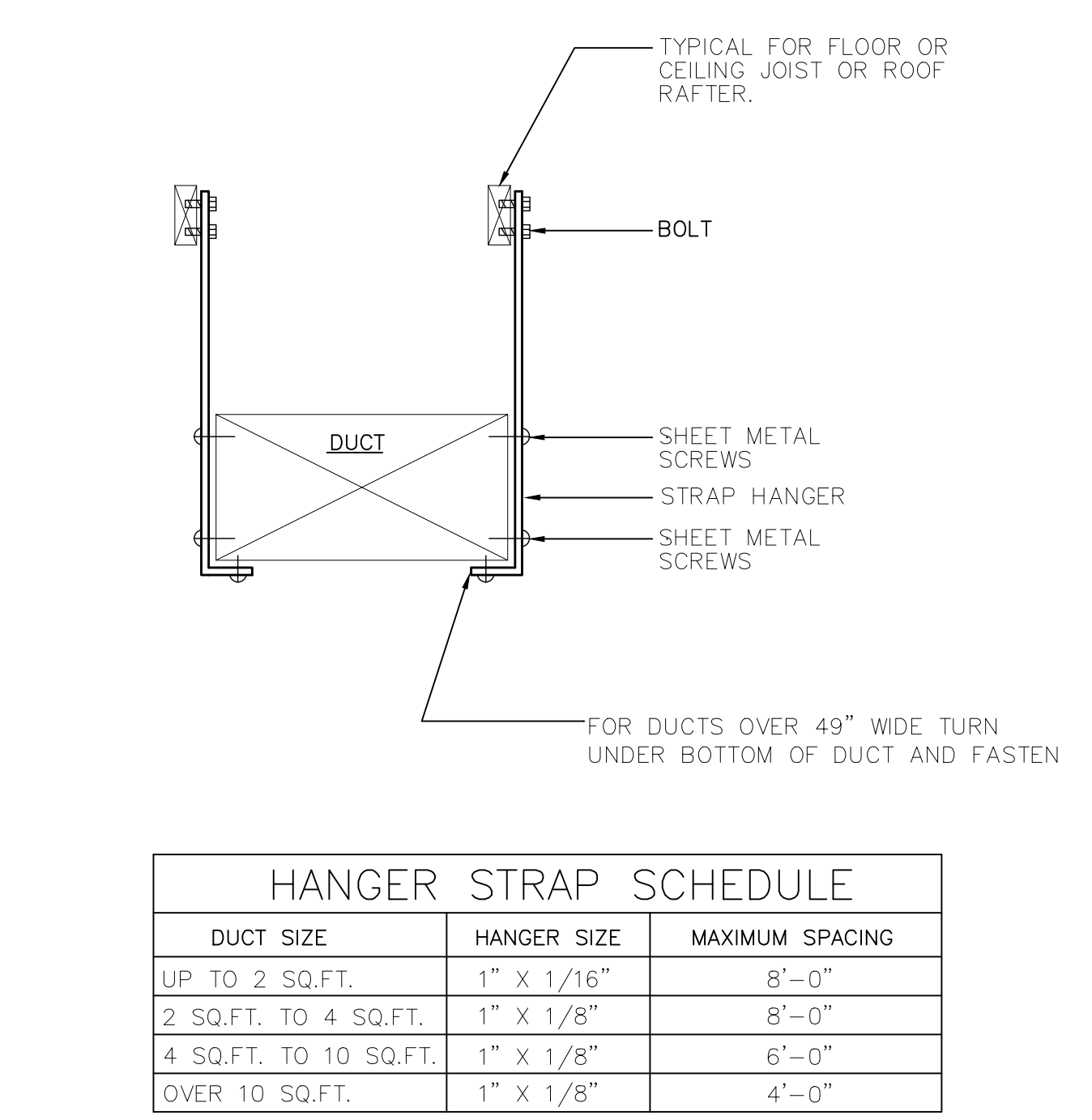


- NOTES:
- SINGLE LINE REPRESENTATIONS REFER TO DOUBLE LINE DETAILS.
  - USE RADIUS OR SQUARE VANED BENDS FOR BOTH ELBOWS AND SPLITS AS DETERMINED BY SPACE LIMITATIONS, AND THE DISTANCE FROM AIR OUTLETS.
  - ALL SQUARE ELBOWS SHALL HAVE FACTORY TURNING VANES, AND MAINTAIN A CONSTANT WIDTH.
  - WHERE DUCTS SPLIT, THE SOLID LINE REPRESENTATION IS PREFERRED, UNLESS PRECLUDED BY SPACE, OR OTHERWISE INDICATED.
  - USE ELBOW SPLIT FOR BRANCH CONNECTIONS ONLY WHERE NECK SIZE IS GIVEN.

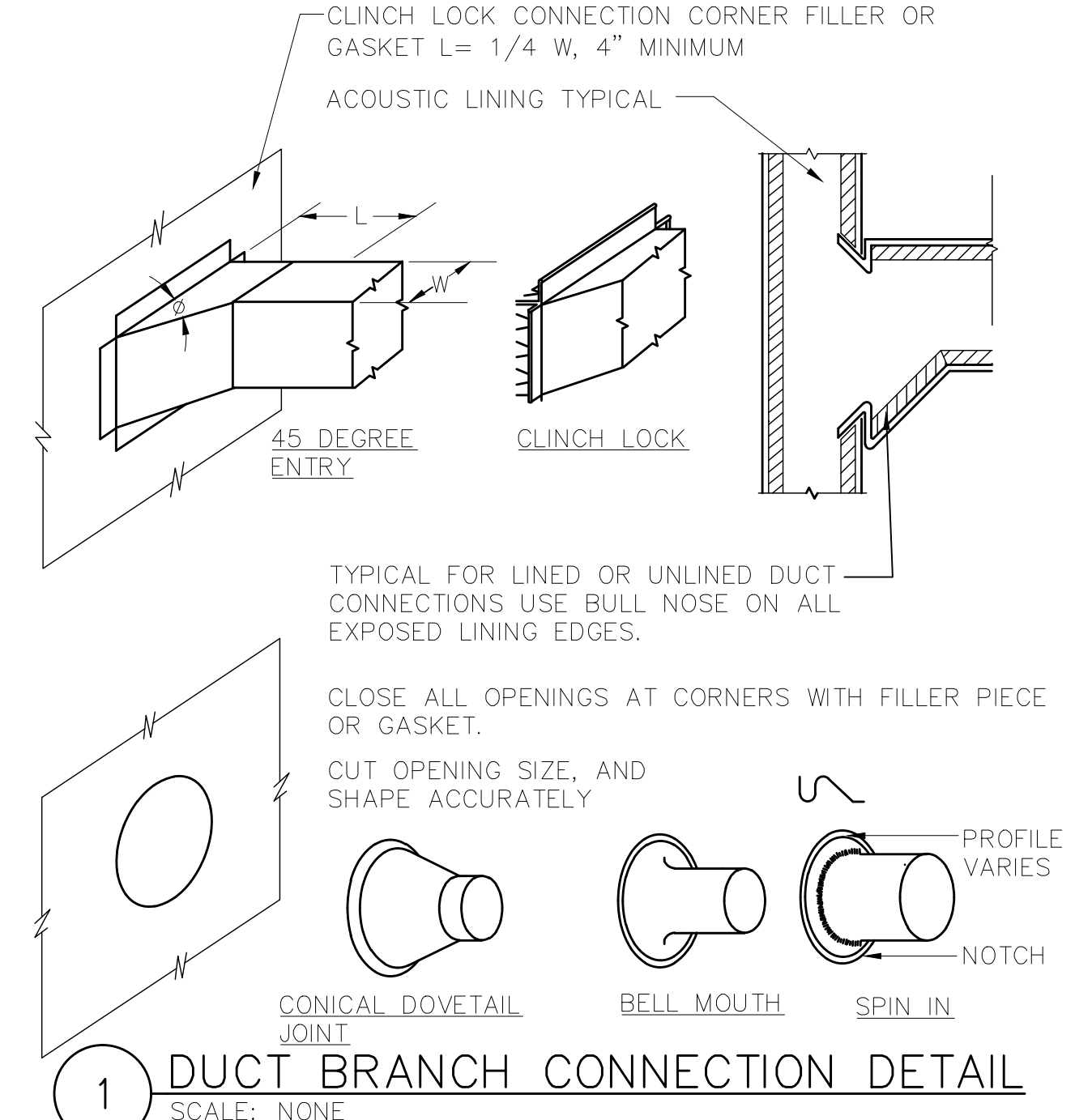
5 DUCT BRANCH TAKE OFF DETAIL  
SCALE: NONE



4 ROOFTOP UNIT CONDENSATE DRAIN DETAIL  
SCALE: NONE



2 HANGER STRAP DETAIL  
SCALE: NONE



1 DUCT BRANCH CONNECTION DETAIL  
SCALE: NONE

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**EMBASSY COMMUNITY CENTER**  
60 PALISADE STREET  
DOBBS FERRY, NY 10522

No.	ISSUE OR REVISION	DATE
3	ISSUED FOR BID	1/31/18
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1	SCHEMATIC DESIGN	7/21/17

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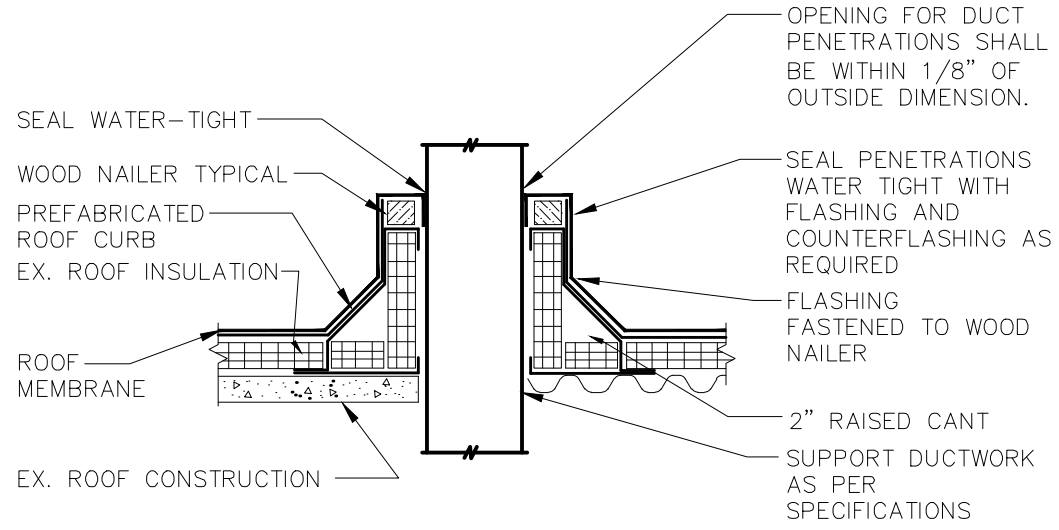
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**MECHANICAL DETAILS 1 OF 2**

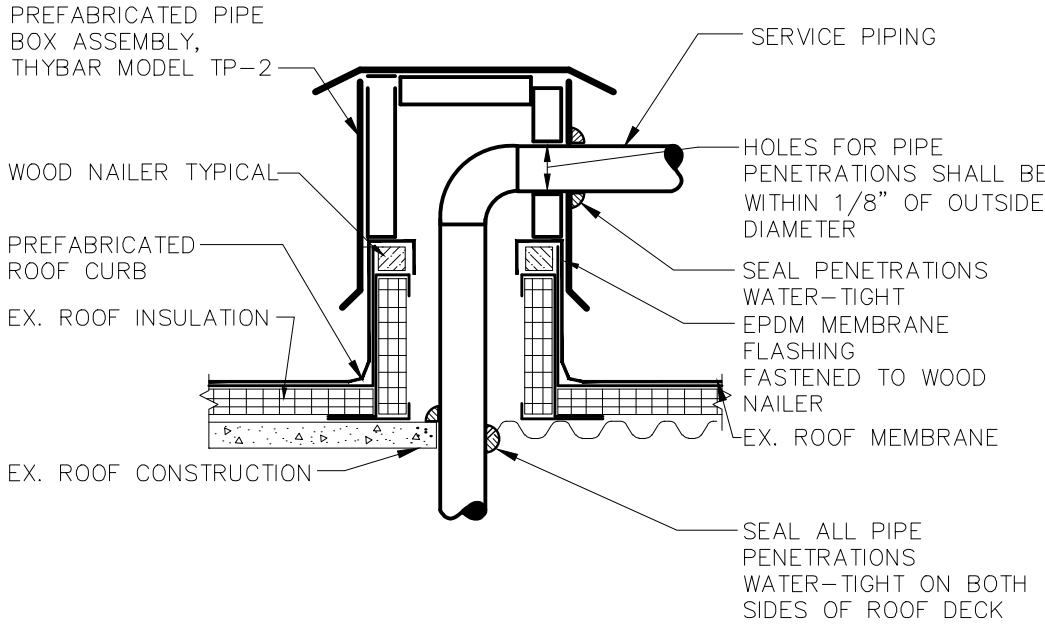
SCALE	AS NOTED	PROJECT NO.
DRAWN BY	OA	HAN0005.00
CHECKED BY	RJ	DRAWING NO.
DATE	7/20/2017	<b>M7.1</b>





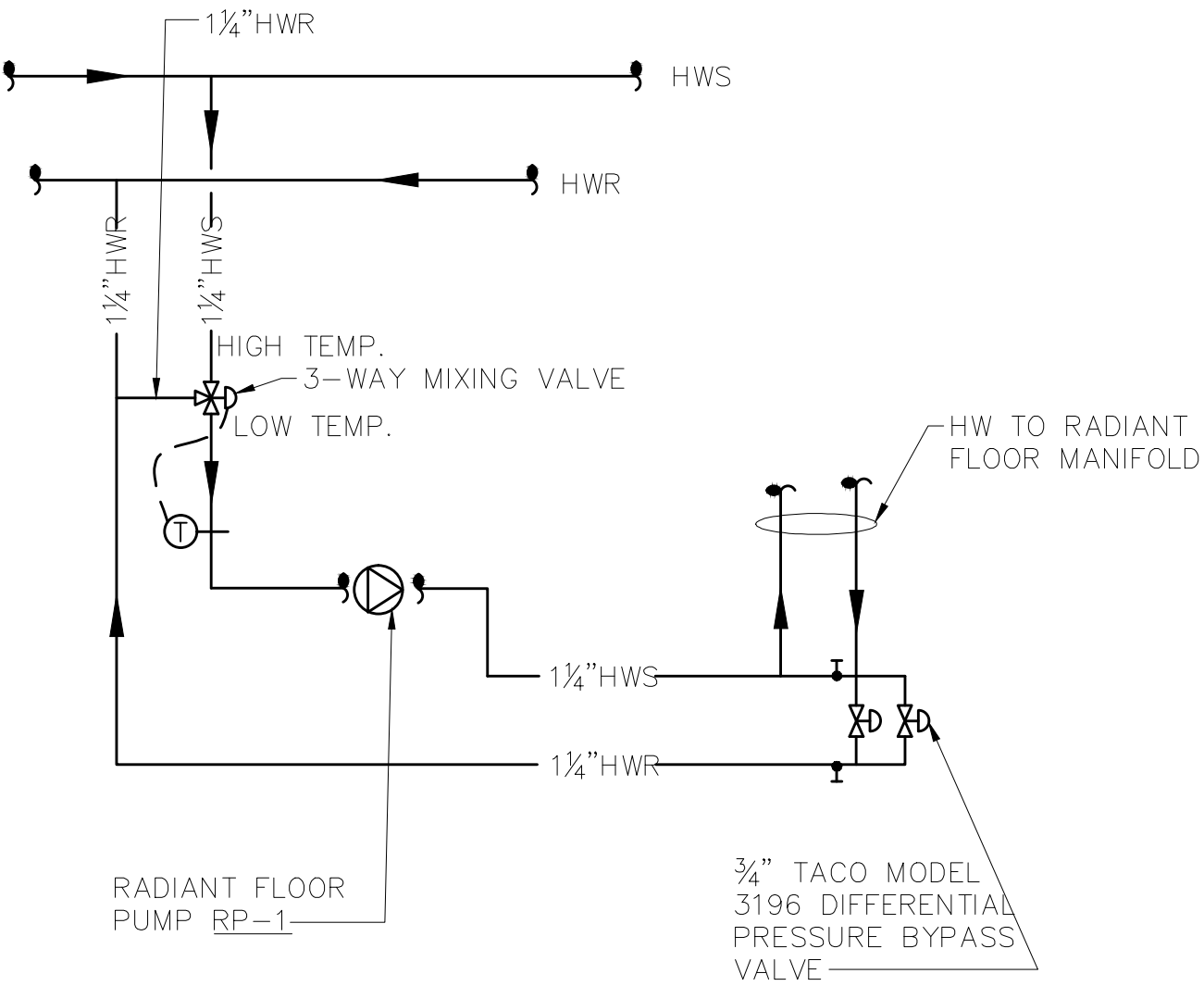
- NOTES:
- 1.) PREFABRICATED ROOF CURB SHALL BE BASED ON THYBAR MODEL TC-1 INSULATED ROOF CURB WITH BUILT IN 3" CANT. ROOF CURBS SHALL BE OF PRIME 18 GAUGE GALVANIZED STEEL CONSTRUCTION WITH WELDED CORNERS AND 3" CANT FULLY MITERED WITH SEAMS JOINED BY CONTINUOUS WELDS. CURB SHALL BE FACTORY INSULATED WITH 1-1/2" THICK 3# DENSITY INSULATION AND ASSEMBLED WITH 2x2 WOOD NAILERS.
  - 2.) CONTRACTOR SHALL PROVIDE ALL FLASHING, COUNTERFLASHING, AND ANY OTHER MATERIALS AND LABOR NECESSARY TO ENSURE A WATERTIGHT ROOF PENETRATION ENCLOSURE.
  - 3.) THIS DETAIL SHALL BE USED FOR ALL DUCT PENETRATIONS THROUGH ROOF.
  - 4.) USE ONLY THOSE MATERIALS COMPATIBLE WITH THE EXISTING ROOFING SYSTEM.

13 ROOF DUCT PENETRATION  
SCALE: NONE

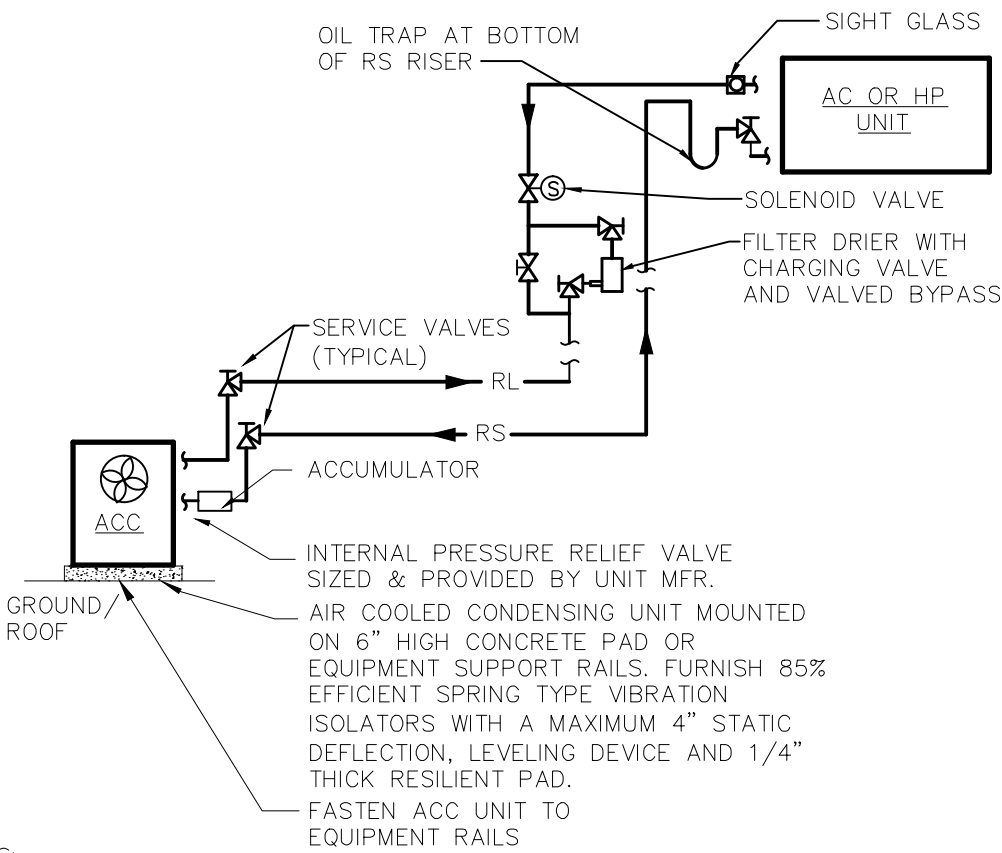


- NOTES:
- 1.) PREFABRICATED ROOF CURB SHALL BE BASED ON THYBAR MODEL TC-3 INSULATED ROOF CURB WITH BUILT IN 3" CANT AND VARIABLE STEP TO MATCH DECK INSULATION THICKNESS. ROOF CURBS SHALL BE CONSTRUCTED OF 18 GAUGE GALVANIZED STEEL CONSTRUCTION WITH WELDED CORNERS AND 3" CANT FULLY MITERED WITH SEAMS JOINED BY CONTINUOUS WELDS. CURB SHALL BE FACTORY INSULATED WITH 1-1/2" THICK 3# DENSITY INSULATION AND ASSEMBLED WITH 2x2 WOOD NAILERS.
  - 2.) CONTRACTOR SHALL PROVIDE ALL FLASHING, COUNTERFLASHING, AND ANY OTHER MATERIALS AND LABOR NECESSARY TO ENSURE A WATERTIGHT ROOF PENETRATION ENCLOSURE.
  - 3.) FOR PENETRATION THROUGH CONCRETE DECKS, CORE DRILL HOLE AND FURNISH PIPE SLEEVE AND RISER CLAMP AS REQUIRED BY THE SPECIFICATIONS
  - 4.) THIS DETAIL USED FOR ALL REFRIGERANT PIPING PENETRATIONS THROUGH ROOF.
  - 5.) USE ONLY THOSE MATERIALS COMPATIBLE WITH THE EXISTING ROOFING SYSTEM.

12 ROOF PIPE BOX DETAIL  
SCALE: NONE



14 RADIANT FLOOR PIPING SHCEMATIC  
SCALE: NONE



- NOTES:
- 1.) PROVIDE TRAPS AS FOLLOWS:  
A. FOR RISES UP TO 50', USE 1 TRAP AT THE BOTTOM OF THE SUCTION RISER.  
B. FOR RISES BETWEEN 50' AND 100', INSTALL A SECOND TRAP HALF WAY UP THE RISER.
  - 2.) REFRIGERANT PIPING SHALL BE INSTALLED SO THAT THEY WILL NOT OBSTRUCT SERVICE ACCESS TO EITHER THE INDOOR COIL OR CONDENSING UNIT, THE AIR HANDLER IN GENERAL OR THE FILTER.
  - 3.) SLOPE HORIZONTAL SUCTION LINES APPROX. 1" EVERY 20 FEET TOWARD THE CONDENSING UNIT TO FACILITATE OIL RETURN.
  - 4.) ALL FASTENERS AND SUPPORTS LOCATED OUTDOORS SHALL BE GALVANIZED

11 REFRIGERANT PIPING DETAIL  
SCALE: NONE



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PROJECT TITLE

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DRAWING TITLE

MECHANICAL DETAILS  
2 OF 2

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY OA	DRAWING NO.
	CHECKED BY RJ	M7.2
	DATE 7/20/2017	

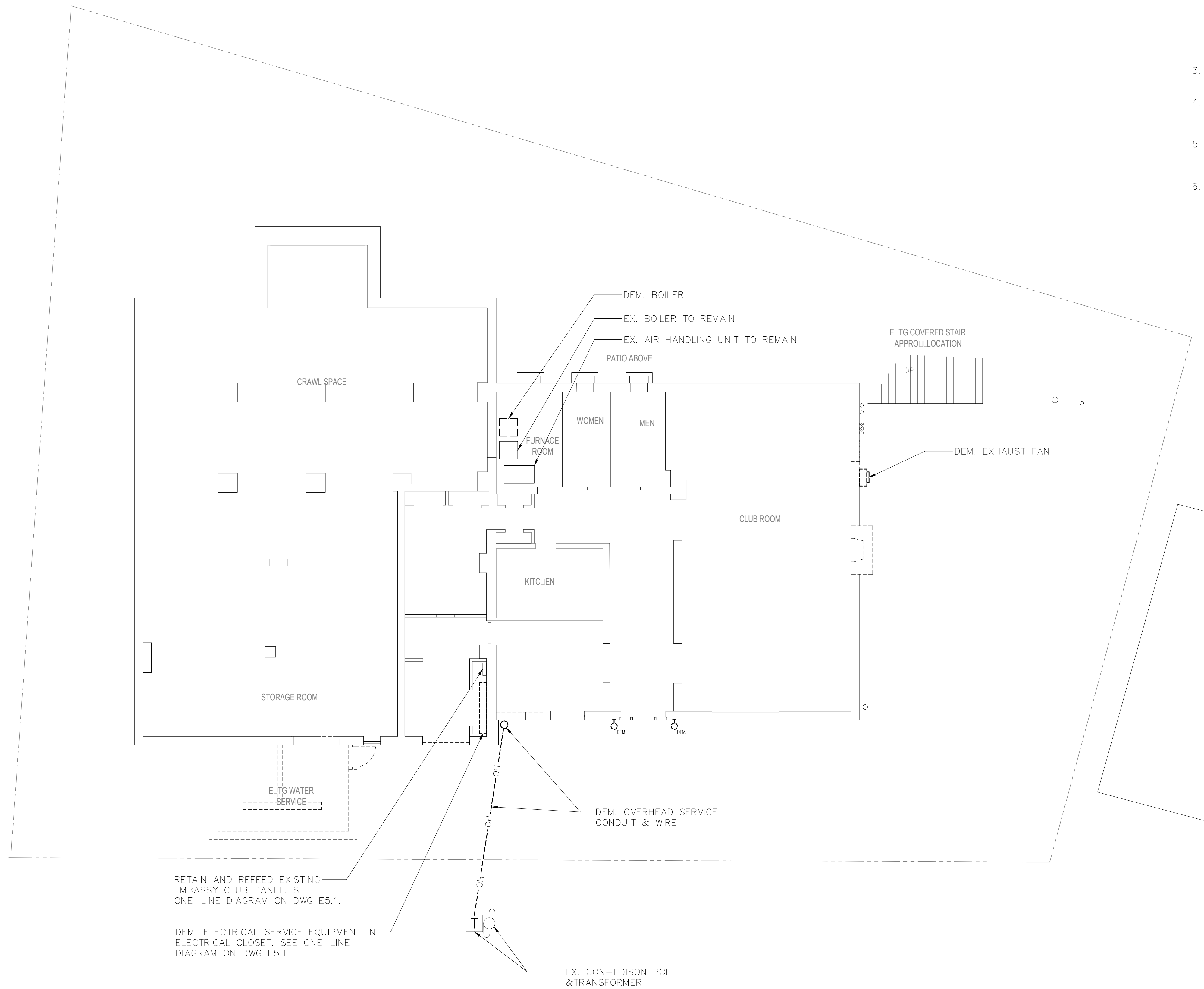


SYMBOLS AND ABBREVIATIONS												GENERAL NOTES											
SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION															
	–	CONDUIT AND WIRING		–	SMOKE DETECTOR. EL – ELEVATOR LOBBY; SH – SMOKE HATCH; SC – PLENUM RATED ABOVE CEILING		PNL	PANEL															
	–	CONDUIT & WIRING TO BE REMOVED UON					PT	PRESSURE TREATED															
	–	BURIED CONDUIT		–	FIRE ALARM TAMPER SWITCH		PVC	POLY VINYL CHLORIDE															
	–	OVERHEAD CONDUCTORS		–	FIRE ALARM WATER FLOW SWITCH		RECEPT	RECEPTACLE															
	–	HOMERUN TO PANEL, ARROWS INDICATE # 1P		–	FIRE ALARM DRY VALVE LOW AIR			REL.	REMOVE AND RELOCATE														
	–	MULTI–POLE HOMERUN		MD	MOTORIZED DAMPER			RGS	RIGID GALVANIZED STEEL														
	–	ELECTRICAL EQUIPMENT AS INDICATED			A	AMPERE(S)			RTU	ROOF TOP UNIT													
	–	ELECTRICAL EQUIPMENT TO BE REMOVED UON			AC	AIR CONDITIONER			SCH	SCHEDULE													
	–	ELECTRIC METER			ACC	AIR CONDITIONER CONDENSER			SPD	SURGE PROTECTION DEVICE													
	–	JUNCTION BOX			AFF	ABOVE FINISHED FLOOR			SERV	SERVICE													
	–	FUSED DISCONNECT SWITCH			AF	AMPERAGE OF FUSE			SW	SWITCH(ES)													
	–	UNFUSED DISCONNECT SWITCH			AGL	ABOVE GRADE LEVEL			TELCO	TELEPHONE COMPANY													
	–	MOTOR, NUMBER INDICATES HORSE POWER			AHU	AIR HANDLING UNIT			TYP	TYPICAL													
	–	BATTERY PACK EMERGENCY LIGHT FIXTURE			AL	ALUMINIUM			UG	UNDERGROUND													
	–	EXIT SIGN, SHADED ARE DENOTE FACE. ARROW INDICATES DIRECTION.			ARC	ARC FAULT INTERRUPTER			UON	UNLESS OTHERWISE NOTED													
					AS	AMPERAGE OF SWITCH			UV	UNIT VENTILATOR													
					ATS	AUTOMATIC TRANSFER SWITCH			VIF	VERIFY IN FIELD													
		AWG	AMERICAN WIRE GAUGE			V	VOLT(S)																
	–	MOTOR RATED TOGGLE SWITCH			BCW	BARE COPPER WIRE			VSD	VARIABLE SPEED DRIVE													
	–	WALL MOUNTED OCCUPANCY/VACANCY SENSOR (D – INDICATES DIMMING, X – INDICATES FIXTURE BEING CONTROLLED)			BLDG	BUILDING			WG	WIRE GUARD													
					BMS	BUILDING MANAGEMENT SYSTEM			WH	WATER HEATER													
					C	CONDUIT			WP	WEATHERPROOF													
	–	CEILING MOUNTED OCCUPANCY SENSOR (x – INDICATES EXTENDED RANGE; a – INDICATES FIXTURE BEING CONTROLLED)			CD	CANDELA	<b>NOTES:</b> 1.) ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE APPLICABLE FOR THIS PROJECT. 2.) SEE LIGHTING FIXTURE SCHEDULE FOR LIGHT FIXTURE SYMBOLS.																
					CKT	CIRCUIT																	
					CLG	CEILING																	
	–	WALL MOUNTED OCCUPANCY/VACANCY SENSOR			COL	COLUMN																	
	–	DUPLEX RECEPTACLE			CU	COPPER																	
	–	DOUBLE DUPLEX RECEPTACLE			CUH	CABINET UNIT HEATER																	
	–	SPECIAL RECEPTACLE			DEM.	DEMOLISH AND REMOVE																	
	–	TELEPHONE OUTLET			DISC	DISCONNECT																	
	–	DATA OUTLET (x – INDICATES # OF JACKS, 1 JACK UON)			DIM	DIMMER																	
					DWG	DRAWING																	
				–	COMBINATION TELEPHONE/DATA OUTLET			EM	EMERGENCY														
	EOL	END OF LINE RESISTOR			EMT	ELECTRICAL METALLIC TUBING																	
	–	CLOCK			EXIST	EXISTING																	
	–	PUSHBUTTON			EX.	EXISTING TO REMAIN																	
	EPO	EMERGENCY POWER OFF SWITCH			F	FLOOR																	
	CB	CIRCUIT BREAKER			FBO	FURNISHED BY OTHERS																	
	–	ENCLOSED CIRCUIT BREAKER			FC	FAN COIL UNIT																	
	–	FUSED SWITCH			FC	FAN COIL UNIT																	
	GEN	GENERATOR			GEN	GENERATOR																	
	–	GENERATOR RECEPTACLE			GFI	GROUND FAULT INTERRUPTER																	
	GND	GROUND AS PER LOCAL CODE			HP	HORSEPOWER																	
	–	GROUND BAR			HVAC	HEATING VENTILATION AIR CONDITIONING																	
	–	COMBINATION TELEPHONE/DATA OUTLET			IG	ISOLATED GROUND																	
	–	TRANSFER SWITCH			IMC	INTERMEDIATE METAL CONDUIT																	
	XFMR	TRANSFORMER			KVA	KILO–VOLT–AMPERE																	
	CT	CURRENT TRANSFORMER			KW	KILO–WATT																	
	–	UTILITY POLE			MAX	MAXIMUM																	
	–	BOILER BREAK GLASS STATION			MCB	MAIN CIRCUIT BREAKER																	
	NC	NORMALLY CLOSED CONTACTS			MCC	MOTOR CONTROL CENTER																	
	NO	NORMALLY OPEN CONTACTS			MIN	MINIMUM																	
	–	LEAK DETECTOR			MLO	MAIN LUG ONLY																	
	MD	MOTORIZED DAMPER			MTS	MANUAL TRANSFER SWITCH																	
	SD OR CFSD	SMOKE DAMPER			NIC	NOT IN CONTRACT																	
	UH	UNIT HEATER			NL	NIGHT LIGHT																	
	–	FIRE ALARM MANUAL PULL STATION			NTS	NOT TO SCALE																	
	–	FIRE ALARM STROBE 15/75 CD. WP – WEATHERPROOF			OH	OVERHEAD																	
	–	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (15/75 CD – STROBE)			P	POLE																	
					PBO	PROVIDED BY OTHERS																	

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).											
2. THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.											
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.											
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO HIRE A THIRD PARTY ELECTRICAL INSPECTION AGENCY TO PROVIDE UL INSPECTIONS AND SUBMIT A CERTIFICATE OF INSPECTION PRIOR TO FINAL REQUEST FOR PAYMENT.											
5. ALL WORK INVOLVING THE ELECTRIC SERVICE SHALL BE COORDINATED AND APPROVED BY THE UTILITY COMPANY.											
6. ALL CONDUCTORS SHALL BE COPPER UON "ON DRAWINGS".											
7. ELECTRONIC FILES OF THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS ARE AVAILABLE TO THE CONTRACTOR VIA COMPACT DISK. THE ENGINEER MAY GRANT THE CONTRACTOR A LIMITED LICENSE TO MAKE A DERIVATIVE WORK OF THE DATABASE FOR THE PURPOSE OF SHOP DRAWINGS, SUBMITTALS AND AS–BUILT DRAWINGS. UPON REQUEST, THE ENGINEER SHALL PROVIDE A RELEASE FORM THAT MUST BE SIGNED AND RETURNED BY THE CONTRACTOR ALONG WITH A LUMP SUM FEE OF TWO HUNDRED AND FIFTY (\$250.00) DOLLARS PRIOR TO RELEASE OF THE ELECTRONIC FILES. THIS FEE IS FOR TIME AND MATERIAL COSTS INCURRED IN PREPARING AND TRANSMITTING THE REQUESTED DATA.											
8. CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN THE FIELD.											
9. CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON–BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.											
10. FOR EACH WALL MOUNTED COMMUNICATIONS OUTLET, PROVIDE A 1900 JUNCTION BOX WITH AN EXTENDER COLLAR AND 1-INCH CONDUIT WITH DRAGLINE 6 INCHES ABOVE ACCESSIBLE CEILING FOR INSTALLATION OF CABLE BY OTHERS.											
11. COMMUNICATION WIRING BY OTHERS. COORDINATE COMMUNICATION JACKS WITH REPRESENTATIVE, TYPICAL.											
12. WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.											
13. INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.											
14. UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS, AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.											
15. DISCONNECT SWITCHES FOR MOTORIZED DAMPERS, CFSD/SD AND VAV BOXES SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SWITCHES NOT SHOWN ON PLANS.											
16. EACH DUPLEX AND QUAD RECEPTACLE SHALL BE LABELED WITH THE CIRCUIT NUMBER WHICH IT SERVES. ALPHANUMERICS TO BE 1/8" HIGH AND BLACK ON CLEAR BACKGROUND. LABELS SHALL BE SELF ADHESIVE. IDENTIFY ASSOCIATED PANEL AND CIRCUIT NUMBER.											
17. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE DEMOLITION AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO PANELBOARDS, CONDUITS, WIRING, DEVICES, FIXTURES, ETC. INCLUDING ABOVE CEILINGS. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH WALLS, AS REQUIRED TO EXECUTE THE ELECTRICAL WORK.											

CLIENT		





DEMOLITION NOTES:

1. ALL EQUIPMENT SHALL BE DISCONNECTED AND REMOVED BACK TO POWER SOURCE ORIGINATION UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
2. CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DOWN OF THE BUILDING POWER SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BID.
3. CIRCUIT BREAKER, CONDUIT AND CONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.
4. ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, MOTOR STARTER PANELS, ETC. SHALL BE REMOVED UON.
5. ALL DISCONNECTED & REMOVED EXISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.
6. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.

NOTES:

1. CON EDISON TO DE-ENERGIZE THE OVERHEAD PRIMARY. CONTRACTOR SHALL DEMOLISH THE EXISTING PRIMARY RISER, EXISTING SECONDARY SERVICE CABLES, CONDUITS, AND ASSOCIATED EQUIPMENT FROM UTILITY POLE TO UTILITY METER AND AS SHOWN.
2. CONTACT CON EDISON REPRESENTATIVE BARRY DECKER AT DECKERB@CONED.COM AND 914-925-6129 TO COORDINATE ALL UTILITY WORK PRIOR TO PROJECT MOBILIZATION.

RETAIN AND REFEED EXISTING EMBASSY CLUB PANEL. SEE ONE-LINE DIAGRAM ON DWG E5.1.

DEM. ELECTRICAL SERVICE EQUIPMENT IN ELECTRICAL CLOSET. SEE ONE-LINE DIAGRAM ON DWG E5.1.



1 ELECTRICAL LOWER LEVEL PLAN — DEMOLITION  
SCALE: 1/8" = 1'-0"



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No.	ISSUE OR REVISION	DATE
3	ISSUED FOR BID	1/31/18
2	DESIGN DEVELOPMENT	12/15/17
1	SCHEMATIC DESIGN	7/21/17

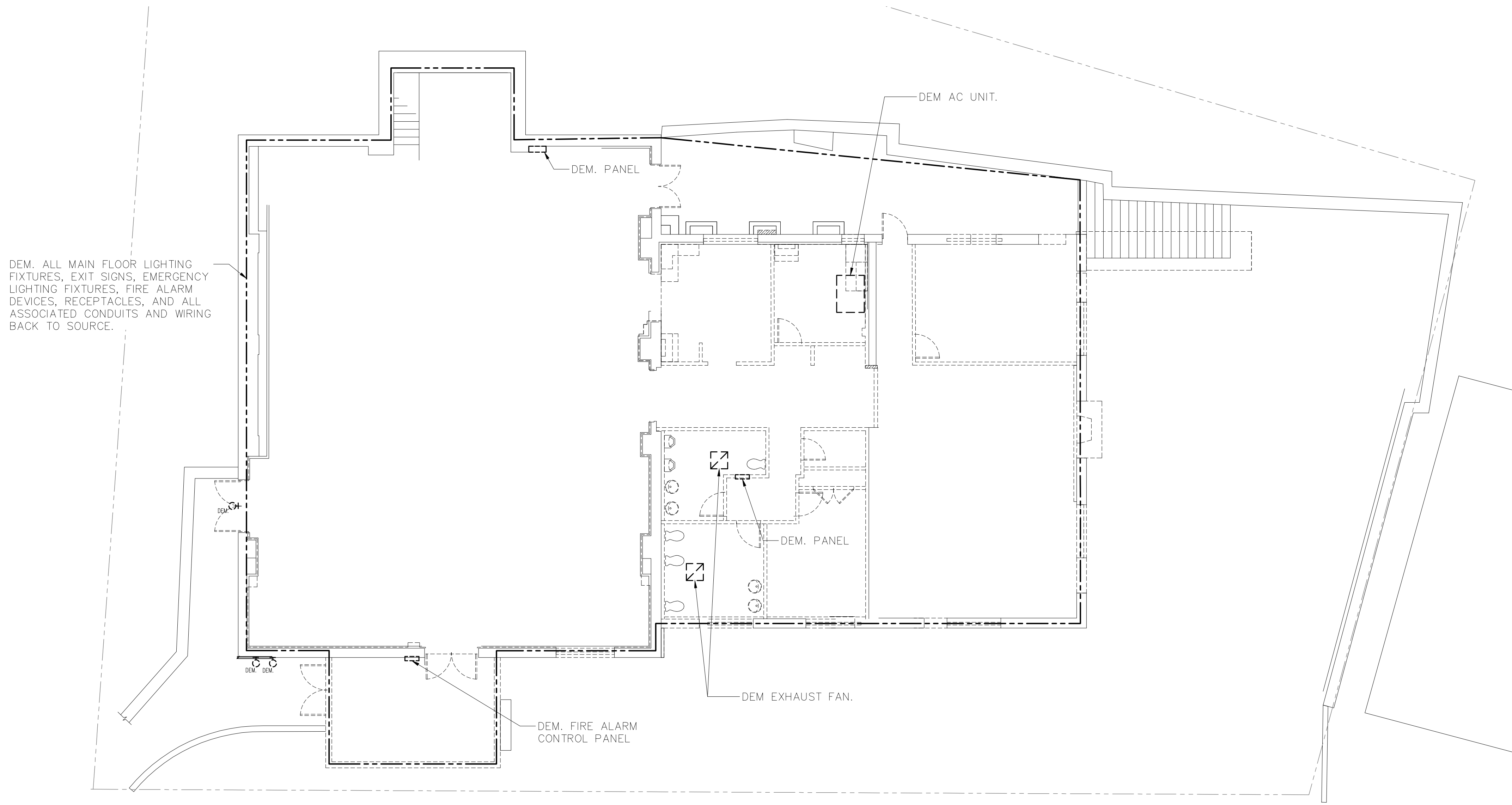
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PROJECT TITLE  
ADDITION & RENOVATION TO  
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DOBBS FERRY, NY 10522

DRAWING TITLE  
ELECTRICAL  
LOWER LEVEL  
DEMOLITION PLAN

SEAL	SCALE AS NOTED DRAWN BY RL CHECKED BY JF DATE	PROJECT NO. HAN0005.00 DRAWING NO. E1.1
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 **1** ELECTRICAL MAIN LEVEL PLAN – DEMOLITION  
SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

1. ALL EQUIPMENT SHALL BE DISCONNECTED AND REMOVED BACK TO POWER SOURCE ORIGINATION UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
2. CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DOWN OF THE BUILDING POWER SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BID.
3. CIRCUIT BREAKER, CONDUIT AND CONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.
4. ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, MOTOR STARTER PANELS, ETC. SHALL BE REMOVED UON.
5. ALL DISCONNECTED & REMOVED EXISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.
6. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.



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3	ISSUED FOR BID	1/31/18
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1	SCHEMATIC DESIGN	7/21/17
No.	ISSUE OR REVISION	DATE

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PROJECT TITLE

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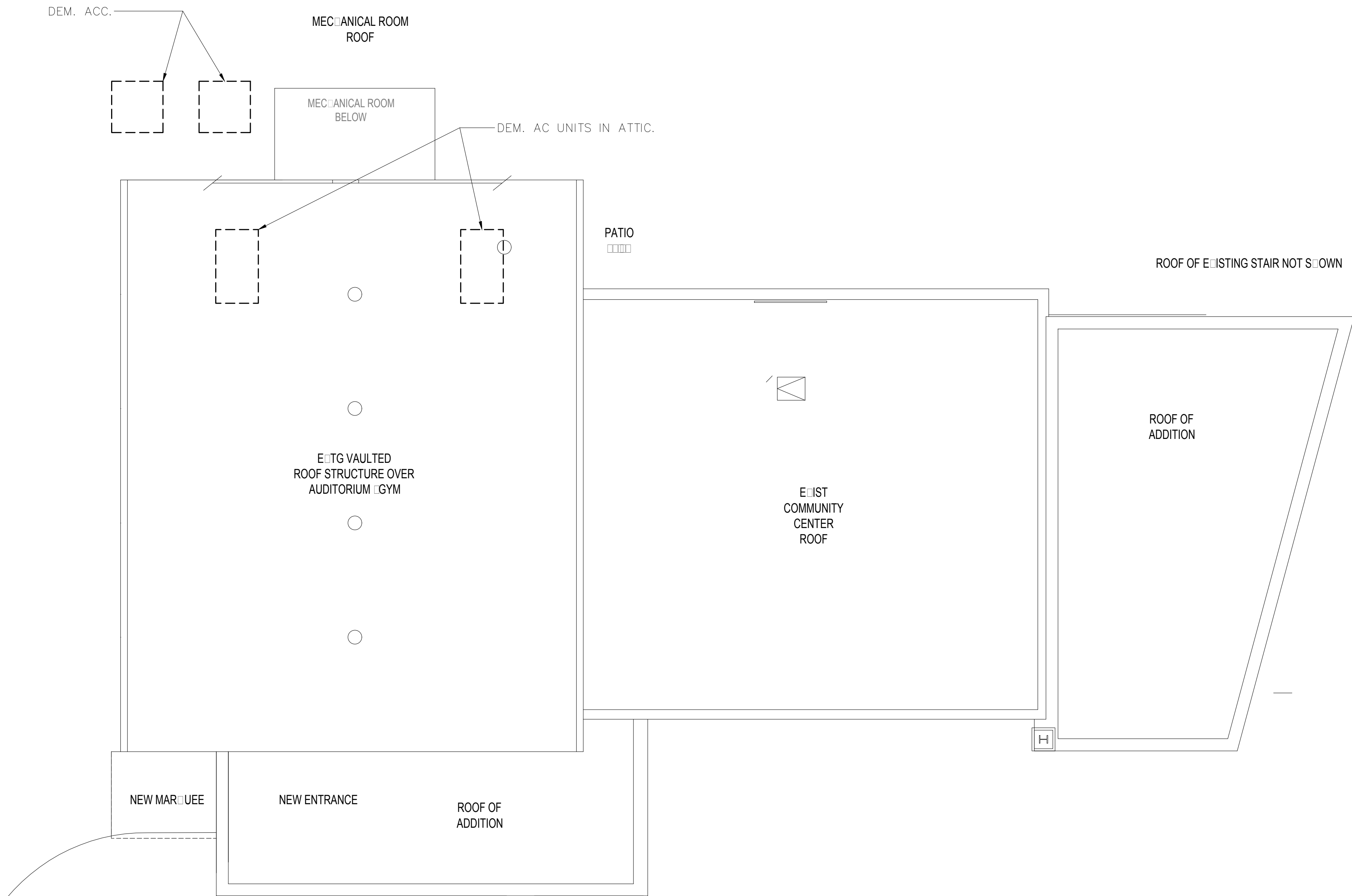
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DOBBS FERRY, NY 10522

DRAWING TITLE

**ELECTRICAL MAIN LEVEL DEMOLITION PLAN**

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY WRP	DRAWING NO.
	CHECKED BY RL/JF	<b>E12</b>
	DATE	





1

ELECTRICAL ROOF PLAN – DEMOLITION

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

DEMOLITION NOTES:

1. ALL EQUIPMENT SHALL BE DISCONNECTED AND REMOVED BACK TO POWER SOURCE ORIGINATION UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
2. CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DOWN OF THE BUILDING POWER SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BID.
3. CIRCUIT BREAKER, CONDUIT AND CONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.
4. ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, MOTOR STARTER PANELS, ETC. SHALL BE REMOVED UON.
5. ALL DISCONNECTED & REMOVED EXISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.
6. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.



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3	ISSUED FOR BID	1/31/18
2	DESIGN DEVELOPMENT	12/15/17
1	SCHEMATIC DESIGN	7/21/17
No.	ISSUE OR REVISION	DATE

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PROJECT TITLE

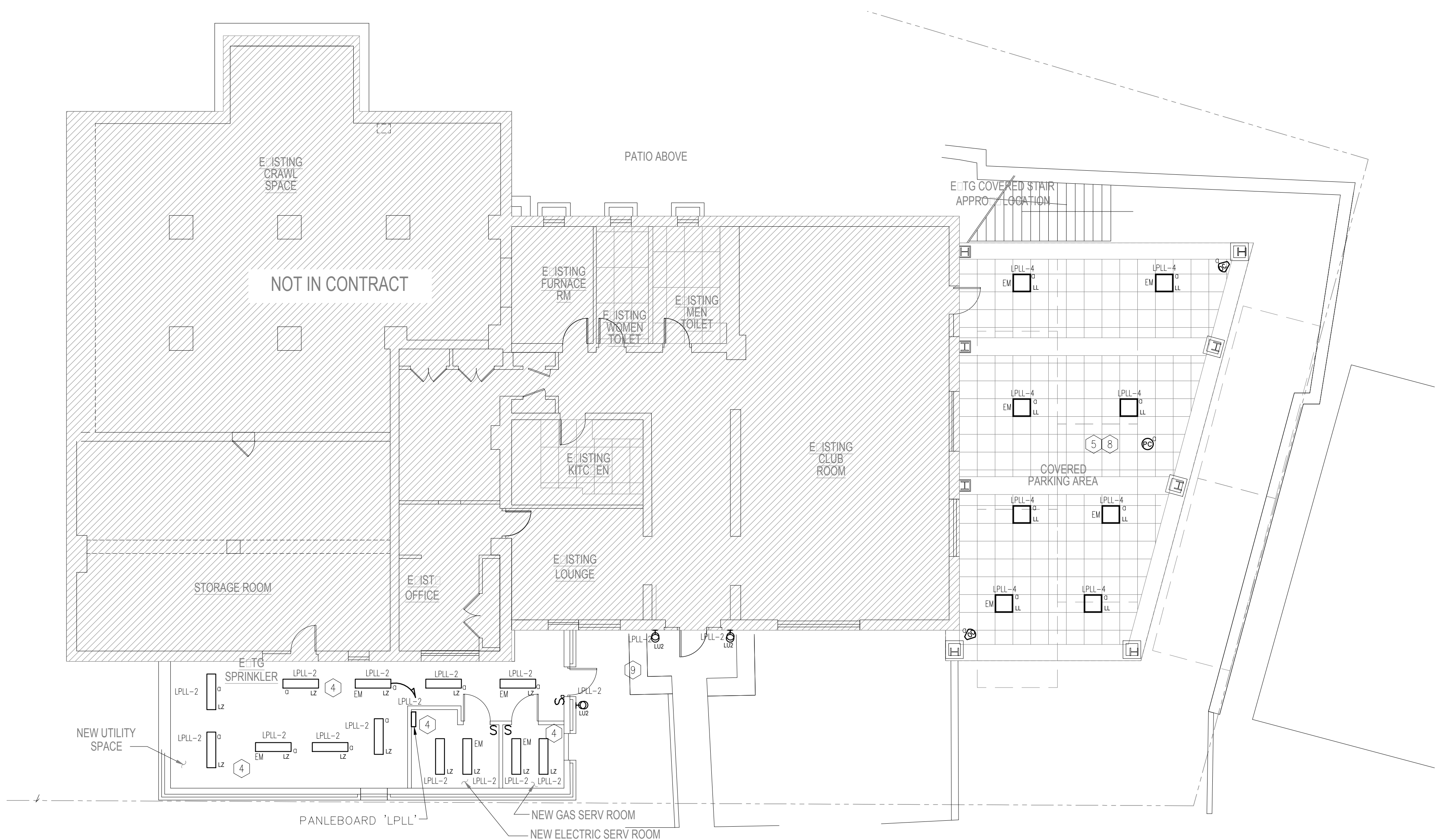
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DOBBS FERRY, NY 10522

DRAWING TITLE

ELECTRICAL  
ROOF  
DEMOLITION PLAN

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY	DRAWING NO.
	WRP	
	CHECKED BY	
RL/JF		
	DATE	E1.3





1

ELECTRICAL LOWER LEVEL PLAN – LIGHTING

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

LIGHTING CONTROL LEGEND

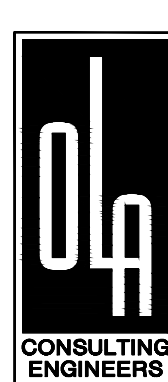
- ① – LOW VOLTAGE MANUAL ON WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR – MANUAL ON/OCCUPANCY SENSOR OFF
- ② – LINE VOLTAGE WALL SWITCH VACANCY SENSOR – MANUAL ON/VACANCY OFF
- ③ – LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR.
- ④ – LINE VOLTAGE MANUAL WALL SWITCH.
- ⑤ – TIMER BASED LIGHTING CONTROL
- ⑥ – LOW VOLTAGE OCCUPANCY SENSOR FOR 2 ZONES. PROVIDE 2-BUTTON MANUAL SWITCH TO CONTROL EACH ZONE SEPARATELY.
- ⑦ – LOW VOLTAGE MANUAL ON 2-BUTTON WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL EACH SEPARATE ZONE.
- ⑧ – REMOTE PHOTO SENSOR CONTROLLED ZONE.
- ⑨ – PHOTO SENSOR INTEGRAL TO FIXTURE.

DESIGN INTENT – LIGHTING CONTROL SYSTEM

1. LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (KAREN BLACKMAN (212) 462-0088 x5237) OR APPROVED EQUAL.
2. LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY COMPONENTS, WIRING (LINE AND LOW VOLTAGE) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES.
4. ALL LIGHT FIXTURE AND LIGHTING CONTROL SUBMITTALS SHALL BE SUBMITTED AT THE SAME TIME FOR APPROVAL.

NOTES:

1. REFER TO DWG E6.1 FOR LIGHTING FIXTURE SCHEDULE.
2. LIGHTING FIXTURES NOTED WITH 'EM' DESIGNATION SHALL BE PROVIDED WITH INTEGRAL EMERGENCY BATTERY BALLAST AND SHALL BE POWERED THRU SHUNT RELAY OR LIGHTING CONTROL PANEL TO AUTOMATICALLY TURN ON AND REMAIN ON UPON LOSS OF NORMAL POWER TO THE BUILDING.
3. EXIT LIGHTS SHALL BE FED FROM UNSWITCHED LEG.
4. ALL LIGHTING CONTROL OCCUPANCY AND VACANCY SENSORS SHALL UTILIZE DUAL TECHNOLOGY SENSING.
5. EXTERIOR LIGHTING AT FRONT OF BUILDING SHALL BE CONTROLLED VIA PHOTO SENSOR.
6. COVERED PARKING AREA LIGHTING SHALL BE CONTROLLED VIA PHOTO SENSOR WITH OCCUPANCY SENSOR OVERRIDE. OCCUPANCY SENSOR COVERAGE AREA SHALL BE TESTED AND LIMITED TO THE COVERED PARKING AREA AND SHALL BE ADJUSTED TO AVOID UNWANTED OPERATION FROM WALKING PEDESTRIANS AND VEHICULAR TRAFFIC.



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1	SCHEMATIC DESIGN	7/21/17

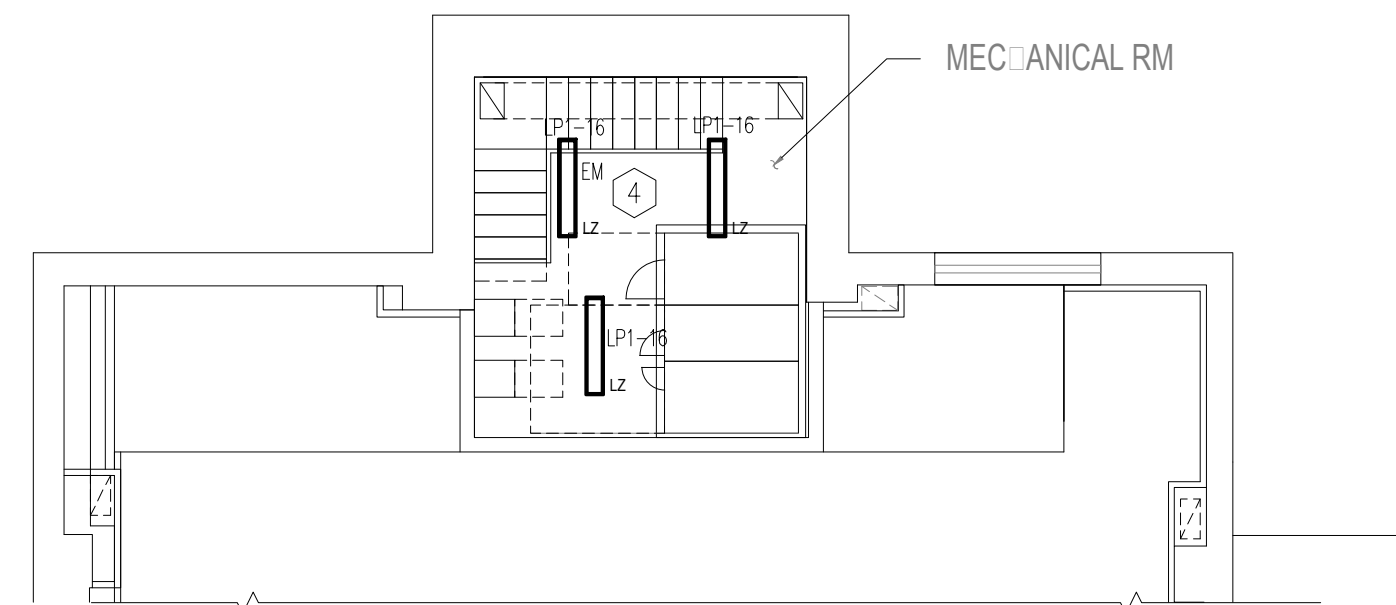
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PROJECT TITLE  
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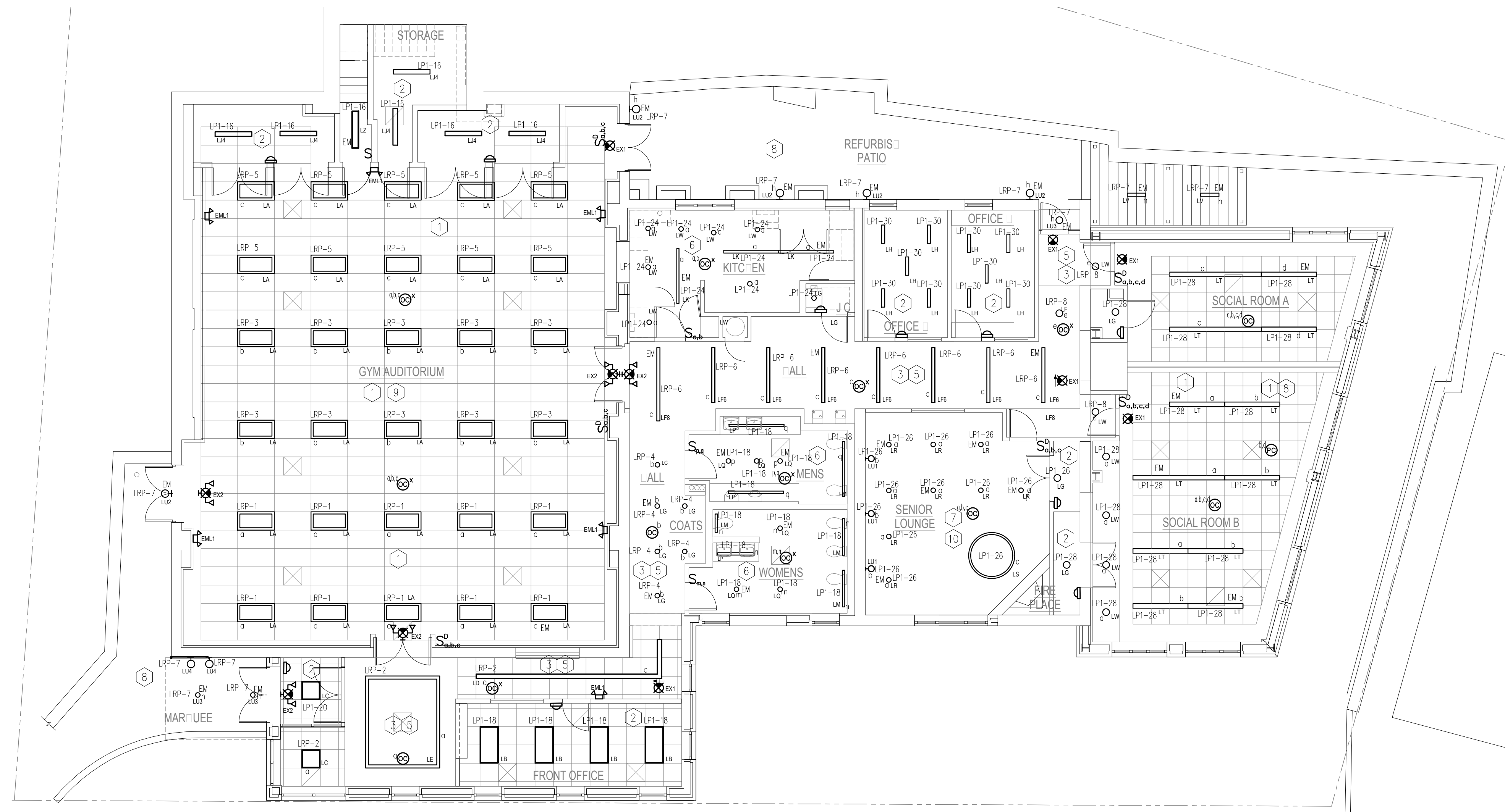
DRAWING TITLE  
**ELECTRICAL  
LOWER LEVEL  
PLAN - LIGHTING**

SEAL	SCALE AS NOTED	PROJECT NO. HAN0005.00
	DRAWN BY WRP	DRAWING NO.
	CHECKED BY RL/JF	<b>E2.1</b>
	DATE	





 2 ELECTRICAL MEZZANINE LEVEL PART PLAN – LIGHTING  
SCALE: 1/8" = 1'-0"



 1 ELECTRICAL MAIN LEVEL PLAN – LIGHTING  
SCALE: 1/8" = 1'-0"

## LIGHTING CONTROL LEGEND

- ① - LOW VOLTAGE MANUAL ON WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR - MANUAL ON/OCCUPANCY SENSOR OFF
- ② - LINE VOLTAGE WALL SWITCH VACANCY SENSOR - MANUAL ON/VACANCY OFF
- ③ - LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR.
- ④ - LINE VOLTAGE MANUAL WALL SWITCH.
- ⑤ - TIMER BASED LIGHTING CONTROL
- ⑥ - LOW VOLTAGE OCCUPANCY SENSOR FOR 2 ZONES. PROVIDE 2-BUTTON MANUAL SWITCH TO CONTROL EACH ZONE SEPARATELY.
- ⑦ - LOW VOLTAGE MANUAL ON 2-BUTTON WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL EACH SEPARATE ZONE.
- ⑧ - REMOTE PHOTO SENSOR CONTROLLED ZONE.
- ⑨ - DIMMING ZONES: 6-BUTTON SWITCH WITH ALL ON/ALL OFF, AND (5) OTHERS SCENES TO BE SPECIFIED BY CLIENT.
- ⑩ - DIMMING ZONES: 4-BUTTON SWITCH WITH ALL ON/ALL OFF, AND (3) OTHERS SCENES TO BE SPECIFIED BY CLIENT

## DESIGN INTENT – LIGHTING CONTROL SYSTEM

1. LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (KAREN BLACKMAN (212) 462-0088 x5237) OR APPROVED EQUAL.
2. LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY COMPONENTS, WIRING (LINE AND LOW VOLTAGE) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES.
4. ALL LIGHT FIXTURE AND LIGHTING CONTROL SUBMITTALS SHALL BE SUBMITTED AT THE SAME TIME FOR APPROVAL.

NOTES:

1. REFER TO DWG E6.1 FOR LIGHTING FIXTURE SCHEDULE.
2. LIGHTING FIXTURES NOTED WITH 'EM' DESIGNATION SHALL BE PROVIDED WITH INTEGRAL EMERGENCY BATTERY BALLAST AND SHALL BE POWERED THRU SHUNT RELAY OR LIGHTING CONTROL PANEL TO AUTOMATICALLY TURN ON AND REMAIN ON UPON LOSS OF NORMAL POWER TO THE BUILDING.
3. EXIT LIGHTS SHALL BE FED FROM UNSWITCHED LEG.
4. ALL LIGHTING CONTROL OCCUPANCY AND VACANCY SENSORS SHALL UTILIZE DUAL TECHNOLOGY SENSING.
5. HALLWAY LIGHTING SHALL BE TIMER BASED CONTROL DURING DAYTIME HOURS WITH OCCUPANCY SENSOR OVERRIDE DURING NIGHT HOURS. DAY/NIGHT HOURS SHALL BE AS DEFINED BY THE OWNER.
6. SOCIAL ROOM A AND B PHOTO SENSOR CONTROLLED FIXTURES SHALL BE PROGRAMMED TO PROVIDE DAYLIGHT HARVESTING.
7. ALL EXTERIOR LIGHTING SHALL BE PROGRAMMED TO TURN ON FROM DUSK TO DAWN.



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3	ISSUED FOR BID	1/31/18
2	DESIGN DEVELOPMENT	12/15/17
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PROJECT TITLE

**ADDITION & RENOVATION TO  
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60 PALISADE STREET  
DOBBS FERRY, NY 10522

DRAWING TITLE

## ELECTRICAL MAIN AND ROOF LEVEL PLANS - LIGHTING

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY	DRAWING NO.
	WRP	
	CHECKED BY	
	RL/JF	
DATE	E2.2	





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## EMBASSY COMMUNITY CENTER

60 PALISADE STREET  
DOBBS FERRY, NY 10522

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PROJECT TITLE

ADDITION & RENOVATION TO  
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CENTER  
60 PALISADE STREET  
DOBBS FERRY, NY 10522

DRAWING TITLE

ELECTRICAL  
LOWER LEVEL PLAN -  
POWER

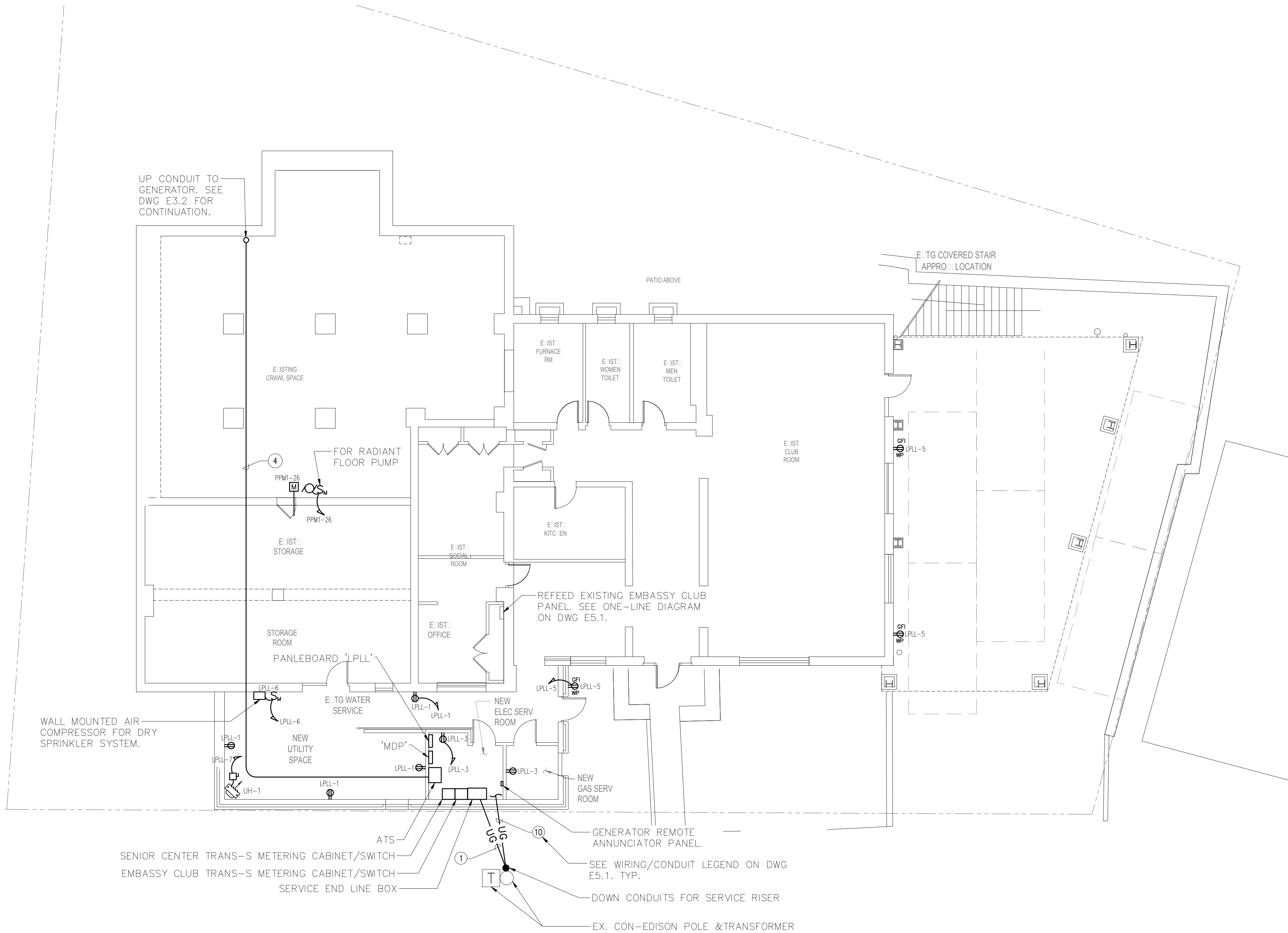
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### TRENCHING NOTES:

- CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES THAT ARE NOT PART OF N.Y. STATE "CODE 753" PRIOR TO DIGGING.
- ALL EXCAVATION IN THE AREA OF THE EXISTING UNDERGROUND EQUIPMENT, PIPES AND CONDUITS SHALL BE PERFORMED BY HAND.
- ANY AREA/PLANTS OR LANDSCAPING OR PAVEMENTS DISTURBED DURING THE EXCAVATION SHALL BE RESTORED OR REPLACED TO MATCH EXISTING CONDITIONS BY THE CONTRACTOR AT NO COST TO THE OWNER.
- ANY EXISTING BURIED CONDUITS, DRAINAGE, SPRINKLER PIPING, ETC. THAT IS DISTURBED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL 1-800-962-7962 (NY STATE).

### NOTES:

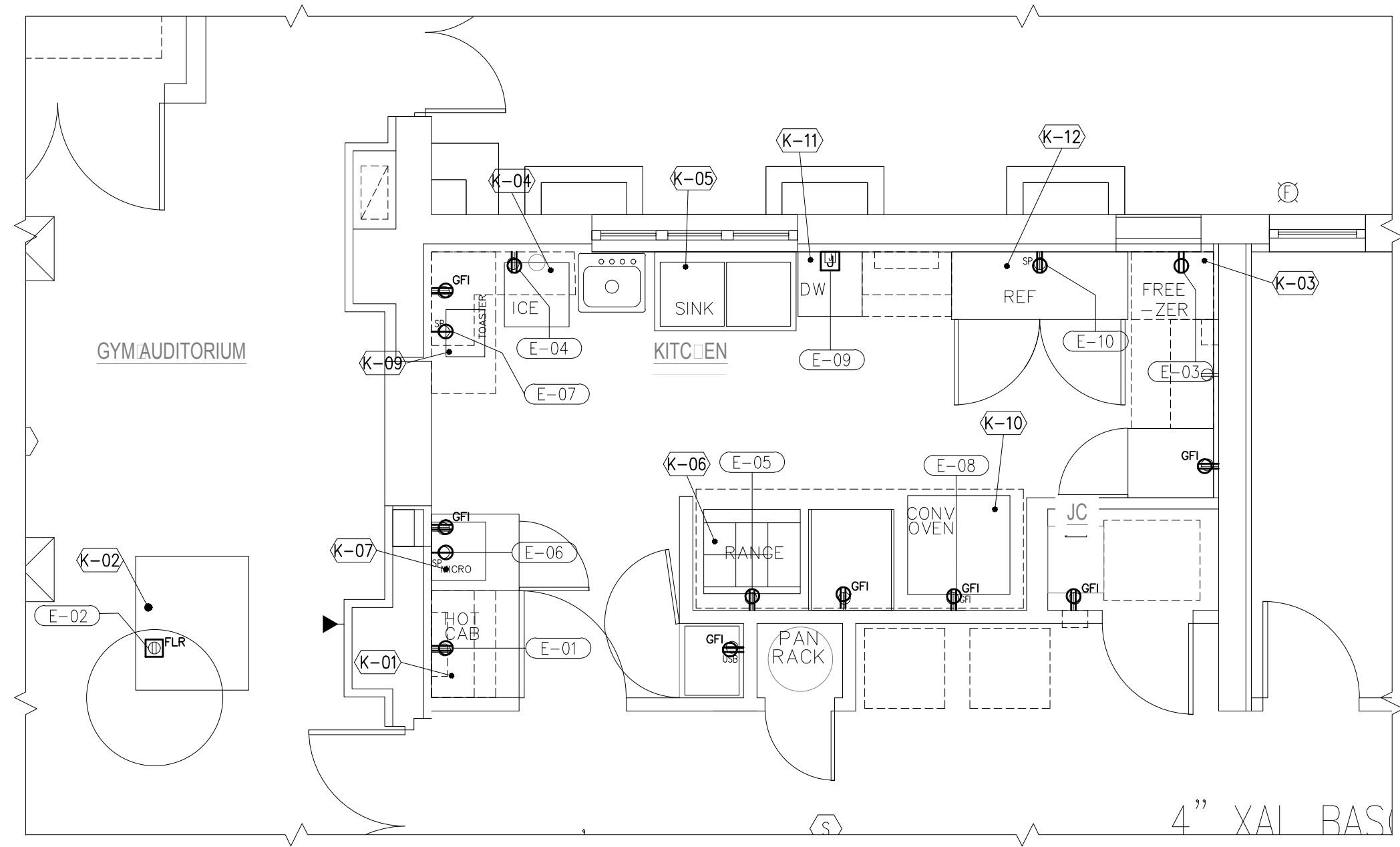
- ALL DATA AND COMMUNICATION WIRE PULLS AND CONNECTIONS SHALL BE BY OTHERS.
- CONTRACTOR SHALL PROVIDE ENTIRE PRIMARY RISER, PRIMARY TERMINATIONS, PROTECTIVE DEVICES, AND GROUNDING. CONTRACTOR SHALL PROVIDE PRIMARY AND SECONDARY CONDUIT, CABLES, AND TRENCHING.
- CON EDISON TO SET THE UTILITY METER AND CT'S. CONTACT CON EDISON REPRESENTATIVE BARRY DECKER AT DECKERB@CONED.COM AND 914-925-6129 TO COORDINATE ALL UTILITY WORK PRIOR TO PROJECT MOBILIZATION.
- SEE DWG E7.2 FOR TRENCHING DETAILS.
- SEE DWG E5.1 FOR ONE-LINE DIAGRAM AND ADDITIONAL WIRING AND CONDUIT INFORMATION.



## 1 ELECTRICAL LOWER LEVEL PLAN – POWER

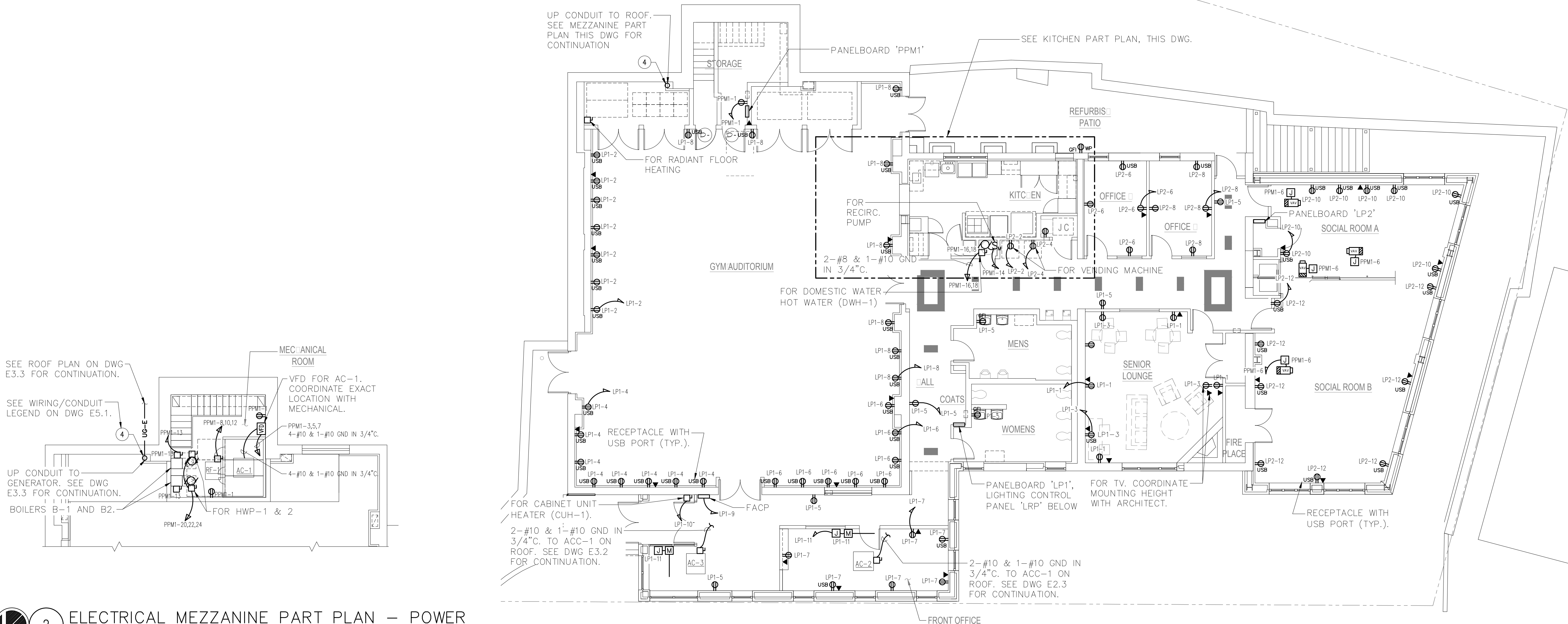
SCALE: 1/8" = 1'-0"





KITCHEN EQUIPMENT SCHEDULE									
EQPT. ITEM No.	ELECT. ITEM No.	DESCRIPTION	VOLTS	PHASE	CONNECTION/RECEPTACLE	WIRE	CIRCUIT BREAKER	PANEL/CKT	REMARKS/NOTES
K-01	E-01	INSULATED HOT CABINET	120	1	5-15	2-#12, 1-#12 GND IN 3/4\"C.	15A	LP2-1	
K-02	E-02	STEAM TABLE	208	1	14-20	3-#12, 1-#12 GND IN 3/4\"C.	20A	LP2-3,5	LOCATED AT GYM/AUDITORIUM
K-03	E-03	FREEZER	120	1	5-20	2-#12, 1-#12 GND IN 3/4\"C.	20A	LP2-7	
K-04	E-04	ICE MACHINE	120	1	5-15	2-#12, 1-#12 GND IN 3/4\"C.	15A	LP2-9	
K-05		SINK							
K-06	E-05	RANGE	120	1	5-15	2-#12, 1-#12 GND IN 3/4\"C.	15A	LP2-11	
K-07	E-06	MICROWAVE	208	1	6-20	2-#12, 1-#12 GND IN 3/4\"C.	20A	LP2-13,15	
K-08	E-07	CONVEYOR TOASTER	208	1	6-15	2-#12, 1-#12 GND IN 3/4\"C.	15A	LP2-17,19	
K-09	E-08	CONVECTION OVEN	120	1	5-20 (GFI)	2-#12, 1-#12 GND IN 3/4\"C.	20A	LP2-21	
K-11	E-09	DISHWASHER	208	1	HARDWIRE	2-#10, 1-#10 GND IN 3/4\"C.	30A	LP2-23,25	
K-12	E-10	REFRIGERATOR	120	1	5-15	2-#12, 1-#12 GND IN 3/4\"C.	15A	LP2-27	

 4 ELECTRICAL MAIN LEVEL PART PLAN – KITCHEN  
SCALE: 1/4" = 1'-0"



 2 ELECTRICAL MEZZANINE PART PLAN – POWER  
SCALE: 1/8" = 1'-0"

 1 ELECTRICAL MAIN LEVEL PLAN – POWER AND DATA  
SCALE: 1/8" = 1'-0"

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1	SCHEMATIC DESIGN	7/21/17

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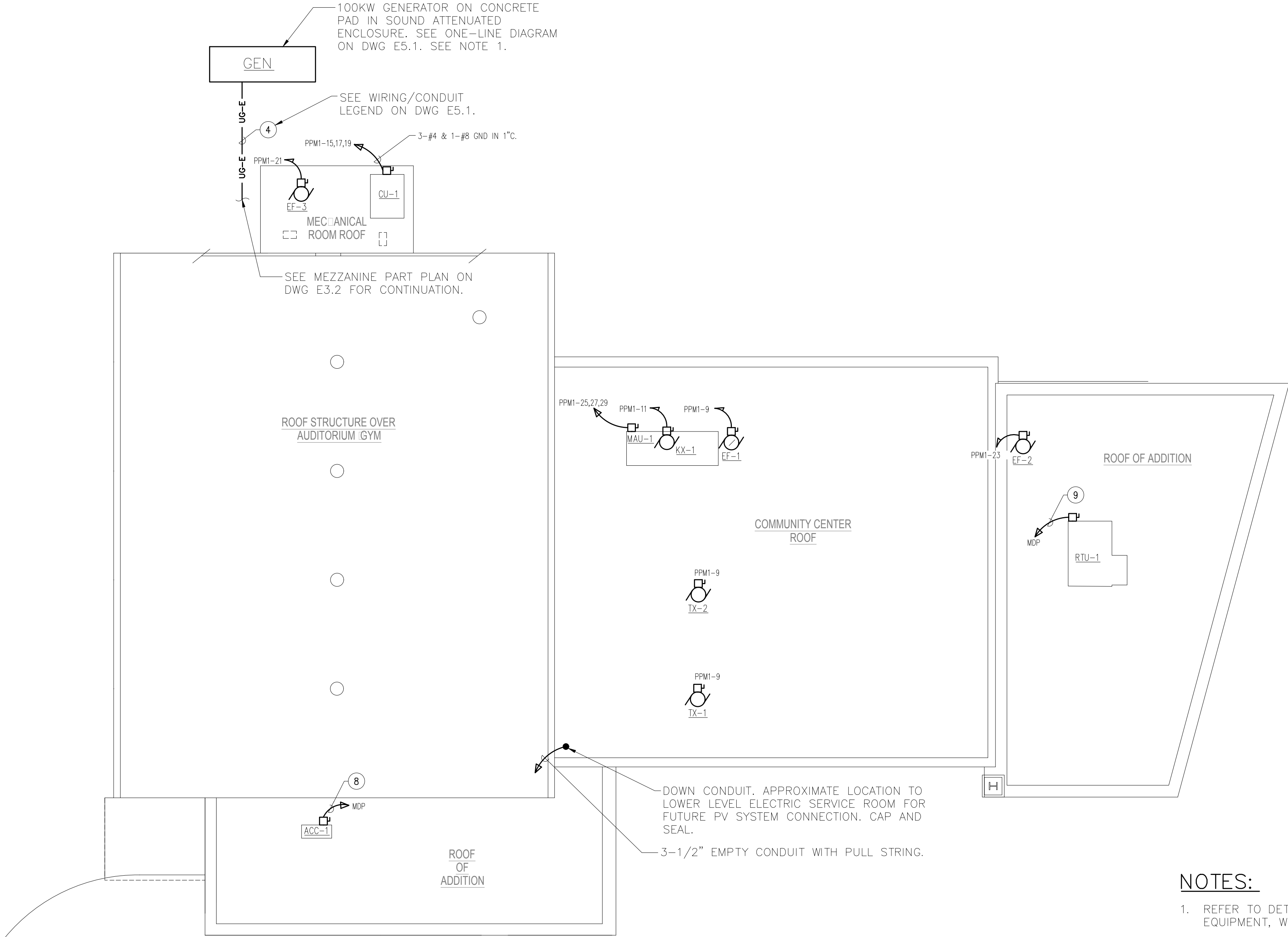
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DRAWING TITLE

ELECTRICAL  
MAIN LEVEL & MEZZANINE LEVEL  
FLOOR PLAN  
POWER AND DATA

SCALE AS NOTED	PROJECT NO. HAN0005.00
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NOTES:

1. REFER TO DETAIL 8 ON DWG E7.1 FOR ADDITIONAL GENERATOR EQUIPMENT, WIRING, & CONDUITS NOT SHOWN THIS SHEET.



1 ELECTRICAL ROOF LEVEL PLAN — POWER

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



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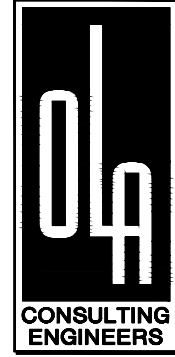
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ELECTRICAL  
ROOF PLAN - POWER

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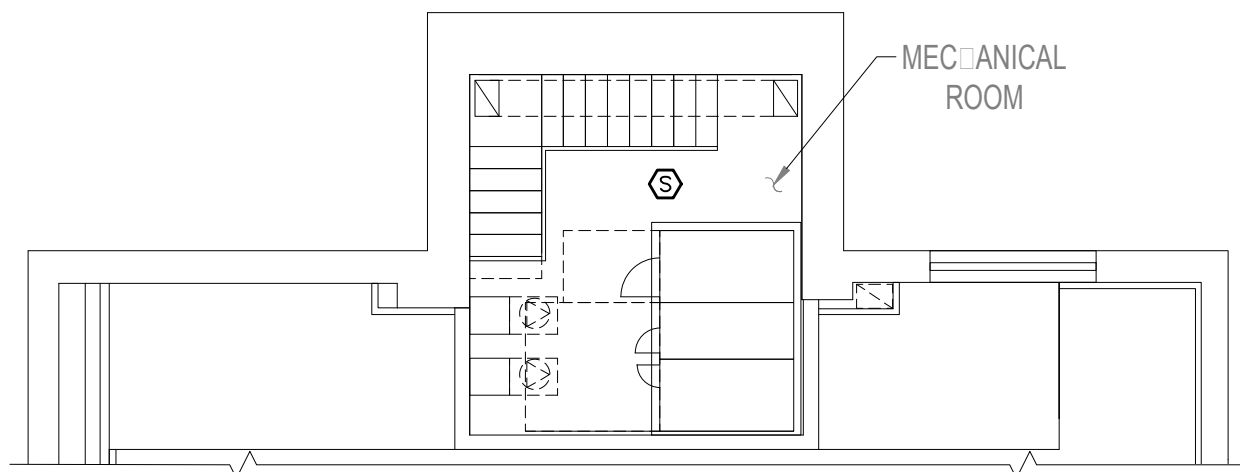
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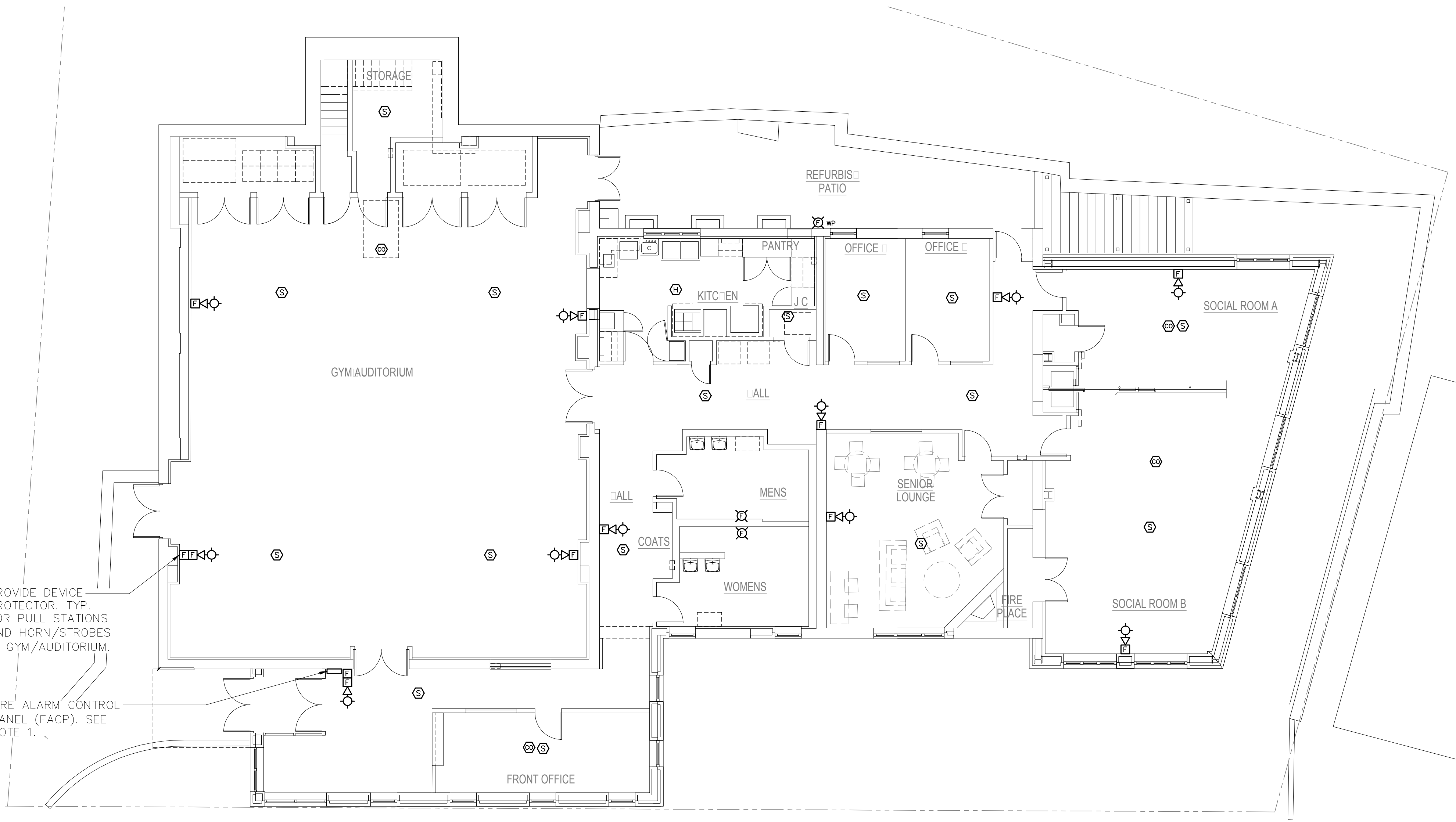
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DRAWING TITLE  
**ELECTRICAL  
LOWER LEVEL, MAIN LEVEL  
AND MEZZANINE LEVEL  
PLANS - FIRE ALARM**

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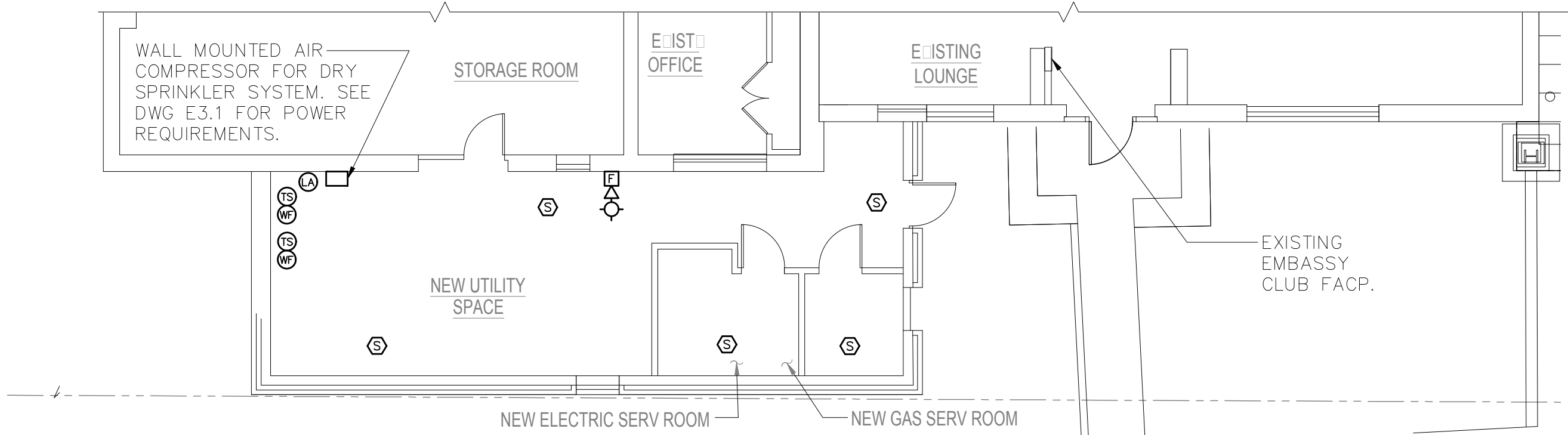
3 ELECTRICAL MEZZANINE LEVEL PART PLAN – FIRE ALARM  
SCALE: 1/8" = 1'-0"



PROVIDE DEVICE  
PROTECTOR, TYP.  
FOR PULL STATIONS  
AND HORN/STROBES  
IN GYM/AUDITORIUM.  
  
FIRE ALARM CONTROL  
PANEL (FACP). SEE  
NOTE 1.



2 ELECTRICAL MAIN LEVEL PLAN – FIRE ALARM  
SCALE: 1/8" = 1'-0"

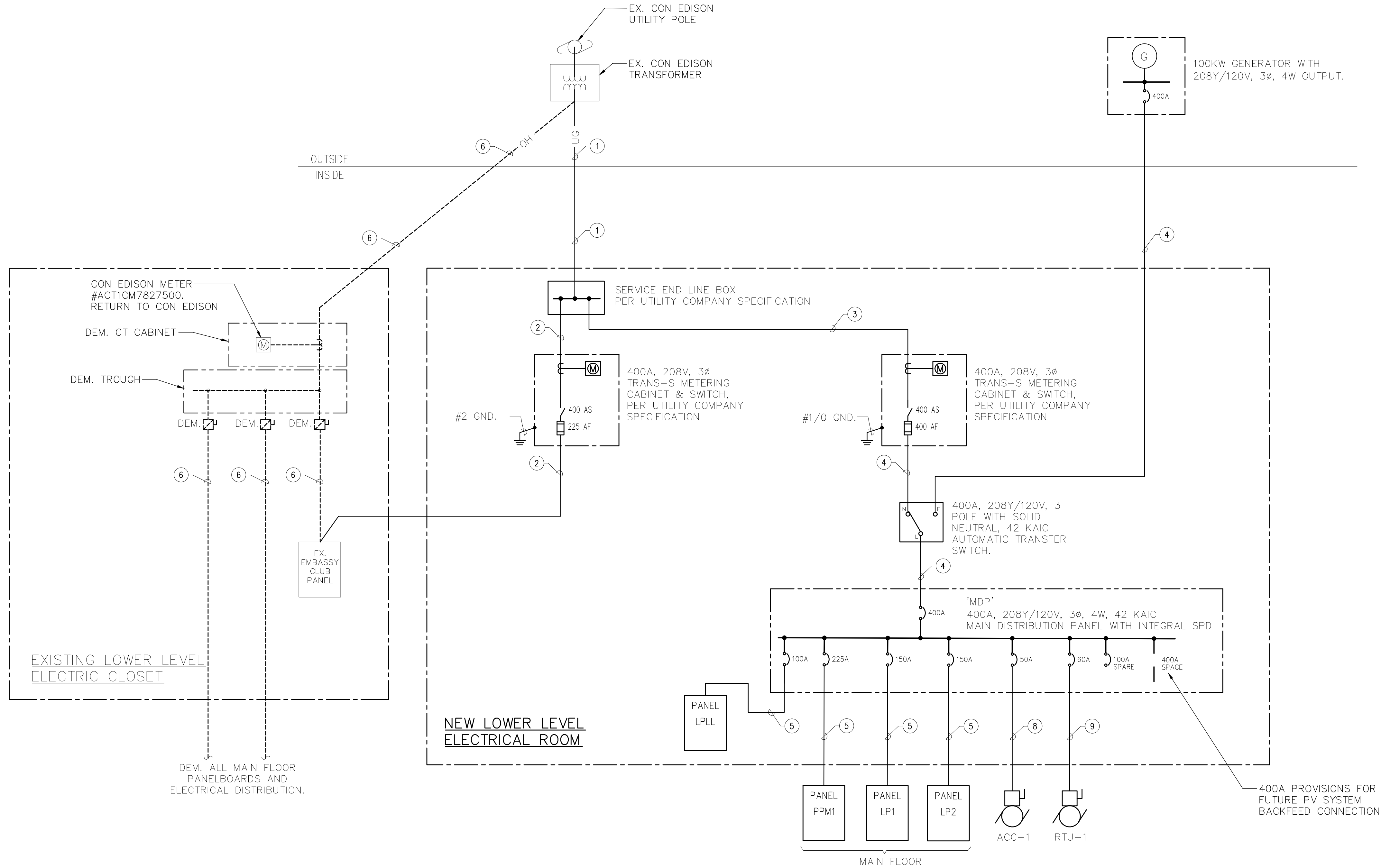


1 ELECTRICAL LOWER LEVEL PART PLAN – FIRE ALARM  
SCALE: 1/8" = 1'-0"

NOTES:

- FACP DIMENSIONS AND FUNCTIONALITY ARE BASED ON EDWARDS INTELLIGENT FIRE ALARM SYSTEMS 1064R OR APPROVED EQUAL. COORDINATE PANEL MOUNTING AND WALL MODIFICATIONS TO ACCEPT NEW PANEL WITH ARCHITECT.





1 ELECTRICAL ONE-LINE DIAGRAM  
NOTE TO SCALE

WIRING/CONDUIT LEGEND:

- 600A, 2 SETS OF 4-#350 MCM IN (2) 3" C.
- 4-#4/0 IN 2-1/2" C.
- 4-#500 MCM IN 4" C.
- 4-#500 MCM & 1-#3 GND IN 3-1/2" C.
- 4-#4/0 & 1-#4 GND IN 2-1/2" C.
- DEM. WIRES & CONDUIT
- 4-#1/0 & 1-#6 GND IN 1-1/2" C.
- 2-#8 & 1-#10 GND IN 3/4" C.
- 3-#4 & 1-#10 GND IN 1" C.
- (2) 3" EMPTY CONDUITS WITH PULL STRING FOR DATA & TELECOM

NOTES:

- ALL CIRCUITS BREAKERS ARE 3 POLE U.O.N



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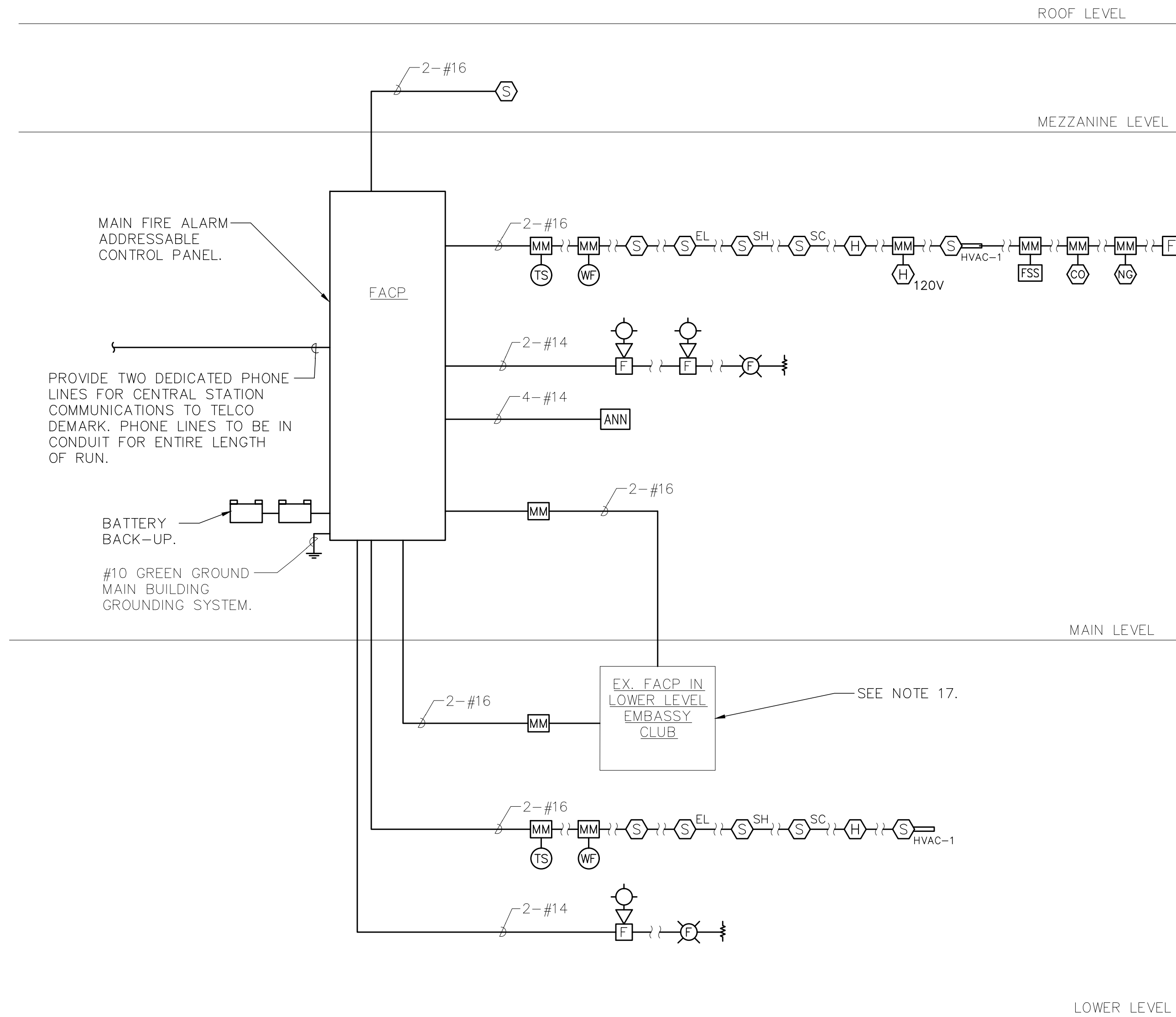
ELECTRICAL  
ONE-LINE DIAGRAM

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	CHECKED BY RL	E5.1
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RISER NOTES:

- THIS IS NOT A POINT-TO-POINT WIRING DIAGRAM. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
- ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL 120V CIRCUITS THAT ARE REQUIRED TO SUPPORT THE OPERATION OF THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM VENDOR.
- QUANTITY OF STROBE BOOSTER POWER SUPPLY PANELS AND ASSOCIATED 120V CIRCUITS SHALL BE COORDINATED WITH SELECTED FIRE ALARM SYSTEM MANUFACTURER AND/OR FIRE ALARM VENDOR.
- PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES TO EXISTING SYSTEM.
- PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.
- PROVIDE AS PART OF THE BASE CONTRACT ALL LABOR AND MATERIALS TO INSTALL FIFTEEN (15) ADDITIONAL FIRE ALARM DEVICES DURING CONSTRUCTION. THE FIFTEEN (15) FIRE ALARM DEVICES CAN BE BUT NOT LIMITED TO SMOKE DETECTOR, HEAT DETECTOR, DOOR HOLDER, DUCT DETECTOR, FAN SHUTDOWN, TAMPER SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.
- HEAT DETECTORS IN ELEVATOR MACHINE ROOM AND/OR SHAFT SHALL HAVE A LOWER TEMPERATURE RATING THAN THE NEARBY SPRINKLER HEAD(S). HEAT DETECTORS SHALL BE INSTALLED 2'-0" MAXIMUM AWAY FROM EACH SPRINKLER HEAD IN THE ELEVATOR MACHINE ROOM AND EACH HEAD LOCATED GREATER THAN 2'-0" ABOVE THE FLOOR OF THE ELEVATOR SHAFT. UPON ACTIVATION OF A HEAT DETECTOR USED FOR ELEVATOR POWER SHUTDOWN, THERE SHALL BE A DELAY IN THE ACTIVATION OF THE POWER SHUNT TRIP. THIS DELAY SHALL BE THE TIME THAT IT TAKES THE ELEVATOR CAB TO TRAVEL FROM THE TOP OF THE HOISTWAY TO THE LOWEST RECALL LEVEL. COORDINATE WITH ELEVATOR CONTRACTOR.
- DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT WORK BY MECHANICAL CONTRACTOR.
- CARBON MONOXIDE AND NATURAL GAS DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM BUT SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE DETECTORS SHALL CONTAIN INTERNAL HORNS TO PROVIDE LOCAL ALARM ONLY.
- ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.
- ELECTRICAL CONTRACTOR TO PROVIDE A RELAY FOR EACH SMOKE DAMPER/COMBINATION FIRE SMOKE DAMPER. RELAYS ARE NOT SHOWN ON PLANS FOR CLARITY.
- DOOR HOLDERS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
- MAINTAIN A 19" TO 24" CLEARANCE AROUND THE CENTERLINE OF THE BEAM OF BEAM TYPE SMOKE DETECTORS.
- PROVIDE REMOTE LED INDICATORS FOR ALL CONCEALED FIRE ALARM DEVICES SUCH AS DUCT SMOKE DETECTORS, ABOVE CEILING SMOKE DETECTORS, ELEVATOR SHAFT DETECTORS, MONITORING AND CONTROL MODULES, ETC. LED INDICATORS FOR DEVICES MOUNTED ABOVE DROP CEILINGS SHALL BE MOUNTED BELOW ASSOCIATED DEVICES. LABEL INDICATORS TO INDICATE DEVICE SERVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE ENGINEER WITH AN ACCURATE AS-BUILT FIRE ALARM DRAWING, SHOWING INSTALLED DEVICE LOCATIONS AND A COMPLETE INTERCONNECTION WIRING DIAGRAM OF THE SYSTEM. THE DRAWINGS SHALL BE PROVIDED IN AUTOCAD FORMAT AND HARD COPIES. AS-BUILT DRAWINGS MUST BE PROVIDED TO THE ENGINEER BEFORE PROJECT CAN BE CLOSEOUT.
- CONTRACTOR TO PROVIDE SMOKE DETECTOR(S) IN ALL LOCATIONS CONTAINING FIRE ALARM CONTROL PANELS, DATA GATHERING PANELS, BOOSTER POWER SUPPLIES, OR ANY OTHER FIRE ALARM SYSTEM PANEL, WHETHER SHOWN ON PLANS OR NOT.
- EXISTING LOWER LEVEL EMBASSY CLUB FACP AND SYSTEM SHALL REMAIN. PROVIDE ALL MONITOR MODULES, RELAYS, AND ASSOCIATED EQUIPMENT AND WIRING TO PROVIDE COMMUNICATION BETWEEN THE NEW MAIN LEVEL FACP AND THE EXISTING LOWER LEVEL EMBASSY CLUB FACP. EACH PANEL SHALL RECEIVE NOTIFICATION WHEN THE OTHER PANEL IS IN ALARM.



1 FIRE ALARM RISER DIAGRAM  
SCALE: NONE



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ELECTRICAL  
FIRE ALARM RISER  
DIAGRAM AND NOTES

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	CHECKED BY RL DATE	E5.2



LIGHTING FIXTURE SCHEDULE								
FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	INPUT WATTS	MOUNTING	LOCATION	REMARKS
LA	EATON	24FR-LD4-65-UNV-L835-CD1-U	LED 3500K 6500LM	UNV	53.8	RECESSED (SEE NOTE 4)	GYM/AUDITORIUM	2'X4' LED LIGHTING FIXTURE WITH DIMMING.
LB	FOCAL POINT	FLUL-24-PS-4000L-35K-1C-120-G-WH	LED 3500K 4000L	120	47.4	RECESSED (SEE NOTE 4)	FRONT OFFICE	2'X4' LED LIGHTING FIXTURE.
LC	FOCAL POINT	FRZ-22-FL-2500L-35K-1C-UNV-G/ST-WH	LED 3500K 2500L	UNV	23.0	RECESSED (SEE NOTE 4)	ENTRY/LOBBY	2'X2' LED LIGHTING FIXTURE.
LD	EATON-NEORAY	125-DR-1-35-GYP-XXXX-1-120V-ED-C-1-W	LED 3500K 607LM/FT	120	7.W/FT	RECESSED (SEE NOTE 4)	LOBBY	5" WIDE L-SHAPE LED LIGHTING FIXTURES.
LE	PINNACLE ARCHITECTURAL LIGHTING	ET6-R-35-R4'x4'-G1-1-ND-1-0-W	LED 3500K	120	4.6/FT	RECESSED (SEE NOTE 4)	LOBBY	5" WIDE RECTANGULAR LED LIGHTING FIXTURES.
LF□	XAL	BAS41S1D73350H706	LED 3500K 3802LM	120	30.0	RECESSED (SEE NOTE 4)	HALL	4" WIDE x 6' LONG LED LIGHTING FIXTURES.
LF□	XAL	BAS41S1D73350H708	LED 3500K 5069LM	120	40.0	RECESSED (SEE NOTE 4)	HALL	4" WIDE x 8' LONG LED LIGHTING FIXTURES.
LG	USAI	3021-B1-S-10-LRTD4-9016-C3-35KS-50-FT-120	LED 3500K 1725LM	120	12	RECESSED (SEE NOTE 4)	HALL	5" ROUND DOWNLIGHT LED LIGHTING FIXTURES.
L□	XAL	LENO1K71770H70020	LED 3500K 1725LM	UNV	15	RECESSED (SEE NOTE 4)	OFFICE 1 & OFFICE 2	4" WIDE X 2' LONG LIGHTING FIXTURE.
LJ□	EATON	4SLTP2040DDUNV	LED 3500K 2310LM	UNV	23.3	SURFACE (SEE NOTE 4)	STORAGE	1'X4' LED LIGHTING FIXTURE.
LK	XAL	BAS44S1D770H7060000	LED 3500K 4058LM	UNV	29	SURFACE (SEE NOTE 4)	MEN'S & WOMEN'S	6' LINEAR LED LIGHTING FIXTURE.
LL	XAL	WL-R-3-2X2-2/LED-R-835-120-EM10	LED 3500K	120	35	RECESSED (SEE NOTE 4)	PARKING	2'X2' LED LIGHTING FIXTURE.
LM□	XAL	MIN217D1770H7S0240	LED 3500K	UNV	17	RECESSED (SEE NOTE 4)	WOMEN'S	2' LINEAR LED LIGHTING FIXTURE.
LM□	XAL	MIN217D1770H7S0480	LED 3500K	UNV	24	RECESSED (SEE NOTE 4)	WOMEN'S	4' LINEAR LED LIGHTING FIXTURE.
LM□	XAL	MIN217D1770H7S0960	LED 3500K	UNV	22	RECESSED (SEE NOTE 4)	MEN'S & WOMEN'S	6' LINEAR LED LIGHTING FIXTURE.
LP□	XAL	BAS41S1D70350H7040000	LED 3500K 2534LM	UNV	20	RECESSED (SEE NOTE 4)	WOMEN'S	4' LINEAR LED LIGHTING FIXTURE.
LP□	XAL	BAS41S1D70350H7060000	LED 3500K 3802LM	UNV	30	RECESSED (SEE NOTE 4)	MEN'S	6' LINEAR LED LIGHTING FIXTURE.
L□	USA ILLUMINATION, INC.	3012-W-B1-S-10-LRTD4-9012-35KS-50-120V	LED 3500K 1300LM	120	12	RECESSED (SEE NOTE 4)	MEN'S & WOMEN'S	4-1/2" ROUND DOWNLIGHT LED LIGHTING FIXTURES.
LR	USA ILLUMINATION, INC.	3012-B1-S-10-LRTD4-9012-35KS-50-120V	LED 3500K	120	24	RECESSED (SEE NOTE 4)	SENIOR LOUNGE	4-1/2" ROUND DOWNLIGHT LED LIGHTING FIXTURES.
LS	XAL	VELA751480907270070	LED 3500K 9000LM	UNV	94	SURFACE (SEE NOTE 4)	SENIOR LOUNGE	4' ROUND LED LIGHTING FIXTURES.
LT	XAL	LENO1K711720H7	LED 3500K	UNV	3.8/FT	RECESSED (SEE NOTE 4)	SOCIAL ROOM A & B	4" WIDE LINEAR LED LIGHTING FIXTURE. LENGTH SHOWN ON PLAN.
LU□	LITHONIA LIGHTING	MWCS-BZ DTCL 1009	LED 3500K	120		SURFACE (SEE NOTE 4)	SENIOR LOUNGE	DECORATED WALL SCONCE LIGHTING FIXTURE.
LU□	LITHONIA LIGHTING	MRW LED-1-SR4-120-PE-ELCW-DBLXD	LED 4000K	120	24	SURFACE (SEE NOTE 4)	PATIO	OUTDOOR WALL SCONCE LIGHTING FIXTURE.
LU□	MULE LIGHTING	ELD-BB-10L3-W-DP-SW	LED 4000K	120	16.6	RECESSED (SEE NOTE 4)	ENTRANCES & PATIO	4"DIA. ROUND OUTDOOR TYPE LIGHTING FIXTURE.
LU□	EATON	ENT-E01-LED-E1-BL4-BZ-PC-BBB-CWB	LED 4000K	120	32.7	SURFACE (SEE NOTE 4)	ENTRANCES	15" WIDE OUTDOOR LIGHTING FIXTURE.
LV	LITHONIA	DMW2 L24 2000LM ACL MD MVOLT 40K 80CRI PS1050	LED 4000K	UNV	38.1	SURFACE (SEE NOTE 4)	LOWER LEVEL SERVICE ROOMS & COORIDORS	1'x2' INDUSTRIAL LED LIGHTING FIXTURE. PROVIDE WITH WIREGUARD AND FITTINGS
LW	USA ILLUMINATION, INC.	3012-B1-S-10-LRTD4-9016-35KS-50-120V	LED 3500K	120	16	RECESSED (SEE NOTE 4)	SOCIAL ROOM A & B, KITCHEN	4-1/2" ROUND DOWNLIGHT LED LIGHTING FIXTURES.
L□	EATON	4-SNLED-LD5-36SL-UNV-L840-U	LED 4000K	UNV	38.1	SURFACE (SEE NOTE 4)	LOWER LEVEL SERVICE ROOMS & COORIDORS	1'x4' INDUSTRIAL LED LIGHTING FIXTURE.
EML□	LITHONIA LIGHTING	ELM2-LED	LED	120	3	SURFACE (SEE NOTE 4)	GYM/AUDITORIUM	2 HEADS EMERGENCY LIGHTING. PROVIDE WITH WIREGUARD OPTION IN GYM/AUDITORIUM.
E□□	LITHONIA LIGHTING	LQMSW3R120/277ELN	LED	120	1	SURFACE (SEE NOTE 4)	GYM/AUDITORIUM	EXIT LIGHT. SHADED AREA INDICATES FACE. PROVIDE WITH WIREGUARD OPTION IN GYM/AUDITORIUM.
E□□	LITHONIA LIGHTING	LHQM-LED-R-H0	LED	120	4.3	SURFACE (SEE NOTE 4)	GYM/AUDITORIUM	2 HEAD EMERGENCY EXIT LIGHTING. PROVIDE WITH WIREGUARD OPTION IN GYM/AUDITORIUM.

NOTES:

- VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
- ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.
- IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT-TO-POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.
- CONFIRM CEILING/WALL MOUNTING AND INSTALLATION OF LIGHTING FIXTURES WITH ARCHITECT.
- LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BATTERY BACK-UP BALLAST; WHERE POSSIBLE THE BALLAST SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY BALLAST IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BALLAST. EACH BATTERY PACK SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE BATTERY PACK AND LAMPS SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM.



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CLIENT

EMBASSY COMMUNITY  
CENTER  
60 PALISADE STREET  
DOBBS FERRY, NY 10522

3	ISSUED FOR BID	1/31/18
2	DESIGN DEVELOPMENT	12/15/17
1	SCHEMATIC DESIGN	7/21/17
No.	ISSUE OR REVISION	DATE

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PROJECT TITLE

ADDITION & RENOVATION TO  
EMBASSY COMMUNITY  
CENTER  
60 PALISADE STREET  
DOBBS FERRY, NY 10522

DRAWING TITLE

ELECTRICAL  
LIGHTING FIXTURE  
SCHEDULE

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY WRP	DRAWING NO.
	CHECKED BY RL/JF DATE	E6.1





**SYLVIA J. LEE ARCHITECTS PLLC**  
**ARCHITECT**  
**914-220-2420**

60 PALISADE STREET  
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SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY	DRAWING NO.
	WRP	
	CHECKED BY	
RL/JF		
	DATE	E6.2

PPM1 PANEL SCHEDULE									
MAIN RATING: <u>225A</u>				MAIN C.B.: <u>225A</u>		KAIC RATING: <u>22KAIC</u>			
VOLTAGE: <u>208Y/120V</u>				PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	RECEPT. STORAGE, MECHANICAL RM	20	1	1	20	MOTORIZED DAMPERS	2		
3	AC-1	30	3	1	20	MOTORIZED DAMPERS	4		
5				1	20	VAV'S	6		
7				3	15	RF-1	8		
9							EF-1, TX-1, TX-2	10	
11	KX-1	12							
13	BOILER B1 & B2	20	1	1	20	DWM-1 RECIRC PUMP	14		
15	CU-1	60	3	2	40	DOMESTIC WATER HEATER (DWH-1)	16		
17				3	30	HWP-1 & HWP-2	18		
19							20		
21							EF-3	22	
23	EF-2	20	1				24		
25	MAU-1	15	3	1	20	RADIANT FLOOR PUMP	26		
27				1	20	SPARE	28		
29				1	20	SPARE	30		
31				SPARE	20	1			32
33	SPARE	20	1				34		
35	SPARE	20	1				36		
37							38		
39							40		
41							42		

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.;  
ST - SHUNT TRIP C.B.

LOCATION: MAIN LEVEL (STORAGE).





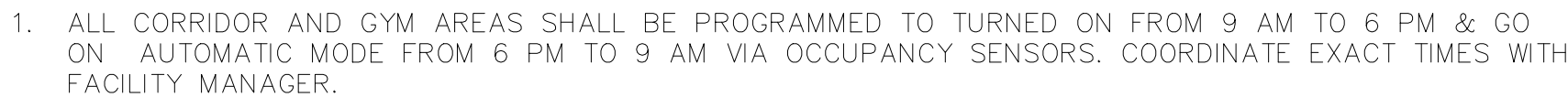




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NOTES: THE FOLLOWING CRITERIA IS PROVIDED TO GIVE INITIAL GUIDANCE FOR PROGRAMMING THE LIGHTING CONTROL SYSTEM. FINAL PROGRAMMING SHALL BE AS DIRECTED AND APPROVED BY FACILITY MANAGER IN ACCORDANCE WITH FACILITY OPERATIONS.

1. ALL CORRIDOR AND GYM AREAS SHALL BE PROGRAMMED TO TURN ON FROM 9 AM TO 6 PM & GO ON AUTOMATIC MODE FROM 6 PM TO 9 AM VIA OCCUPANCY SENSORS. COORDINATE EXACT TIMES WITH FACILITY MANAGER.



3.) CONDUITS TO BE SCHEDULE 80 PVC, UON.

SEAL	SCALE	PROJECT NO.
	AS NOTED	HAN0005.00
	DRAWN BY	DRAWING NO.
	WRP	
	CHECKED BY	
RL		
	DATE	E7.2