

# CLYDE COMMUNITY HALL

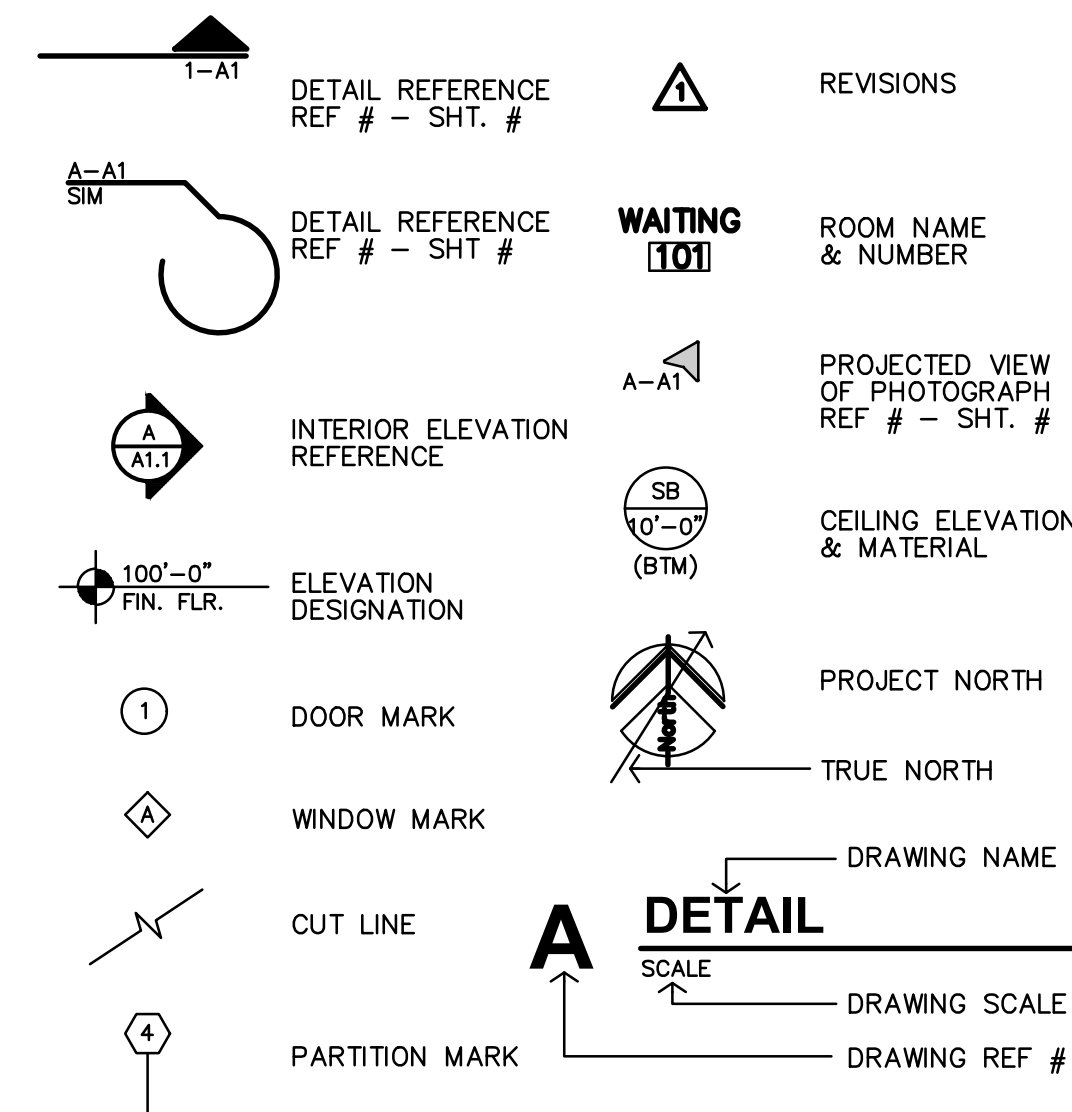
## RENOVATION

25-3508

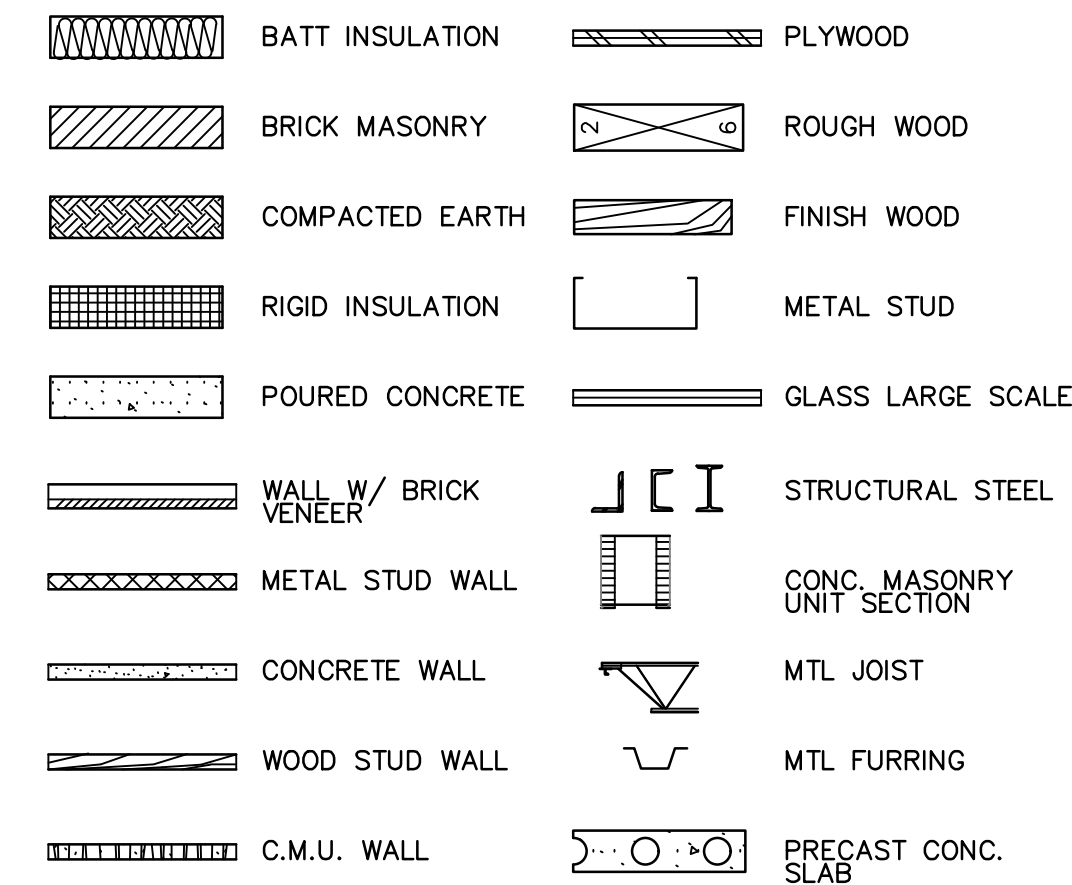
CLYDE,

KANSAS

### REFERENCE LEGEND



### MATERIAL LEGEND



### ABBREVIATIONS

&	AND	Cntr.	Center	Exp.	Expansion	Hr.	Hour	N.	North	Reinf.	Reinforced	Temp.	Tempered
∠	Angle	Col.	Column	Ext.	Exterior	Hgt.	Height	N.I.C.	Not In Contract	Req'd	Required	T.&G.	Tongue & Groove
@	Centerline	Conc.	Concrete	F.A.	Fire Alarm	I.D.	Inside Diameter	No. or	Number	Resil.	Resilient	Thk.	Thick.
⊕	Diameter or Round	C.T.	Ceramic Tile	F.D.	Fire Alarm	Insul.	Insulation	Nom.	Nominal	Rm.	Room	I.O.M.	Top Of Masonry
#	Pound or Number	CMU	Concrete Masonry Unit	Fdn.	Foundation	Int.	Interior	N.T.S.	Not To Scale	R.O.	Rough Opening	I.D.S.	Top Of Steel
Acous.	Acoustical	Det.	Detail	F.E.	Fire Extinguisher	Jan	Janitor	O/	On or Over	S.	South	I.P.	Top Of Pavement
Adj.	Adjustable	Dbl.	Double	F.E.C.	F.E.C. Cabinet	Jt.	Joint	Obs.	Obscure	S.B.	Splash Block	T.P.D.	Toilet Paper Dispenser
A.F.F.	Above Finished Floor	Dia.	Diameter	Fin.	Finish	Lam.	Laminated	O.C.	On Center	S.C.	Solid Core	T.V.	Television
Aggr.	Aggregate	D.F.	Drinking Fountain	Fl.	Flash	Lav.	Lavatory	O.D.	Outside Diameter	Sched.	Schedule	T.W.	Tackwall
Al.	Aluminum	Dim.	Dimension	Fl.	Flashing	Lck.	Locker	Off.	Office	S.D.	Soap Dispenser	Typ.	Typical
Approx.	Approximate	Dr.	Down	Flow	Flow line	Lt.	Light	Opp.	Opposite	Shr.	Shower	Trd.	Tread
Arch.	Architect or Architectural	Dr.	Door	Ft.	Foot or feet	Lab.	Laboratory	Opng.	Opening	Sect.	Section	U.O.N.	Unless Otherwise Noted
Asb.	Asbestos	Dwg.	Downspout	Ftg.	Footing	Lav.	Lavatory	Opp.	Opposite	Sht.	Sheet	Ur.	Urinal
Asph.	Asphalt	Dwg.	Drawing	Furr.	Furring	Lck.	Locker	P.	Paint	Sim.	Similar	V.C.T.	Vinyl Composition Tile
A.V.	Audio Visual	Dwr.	Drawer	Future	Future	Lt.	Light	Pi.	Plate	S.N.D.	Sanitary Napkin Disp.	V.T.	Vinyl Tile
Bd.	Board	(E)	Existing	Ga.	Gauge	Mas.	Masonry	P.Lam.	Plastic Laminate	S.S.	Sanitary Napkin Recep.	V.B.	Vapor Barrier
Bitum.	Bituminous	E.	East or Existing	Galv.	Galvanized	Max.	Maximum	Plas.	Plaster	S.S.T.	Stainless Steel	Vest.	Vestibule
Bldg.	Building	Ea.	Each	G.B.	Grab Bar	M.C.	Medicine Cabinet	Plywd.	Plywood	Std.	Standard	Vyl.	Vinyl
Blk'g.	Blocking	E.J.	Expansion Joint	Gd.	Glass	Mech.	Mechanical	Prt.	Partition	Stor.	Storage	w/	With
Bm.	Beam	Elev.	Elevation	Gr.	Grade	Memb.	Membrane	P.T.D.	Paper Towel Dispenser	Str.	Structural	w/o	Without
Bot.	Bottom	Elc.	Electrical	Gyp.	Gypsum	Met.	Metal	Ptn.	Partition	Susp.	Suspended	Wd.	Wood
Bot.	Bottom	Eq.	Equipment	H.B.	Hose Bibb	Mfr.	Manufacturer	P.T.R.	Paper Towel Receptacle	Sym.	Symmetrical	Wp.	Waterproof
By OWNER	By OWNER	Eq.	Equipment	H.C.	Hollow Core	Mir.	Mirror	Q.T.	Quarry Tile	Tex.	Texture	Wdw.	Window
Brg.	Bearing	E.W.	Each Way	H.Wd.	Hardwood	Misc.	Miscellaneous	R.	Riser	T.B.	Towel Bar	Wscst.	Wainscot
Brk.	Brick	Exp.	Exposed	H.M.	Horizontal	M.O.	Masonry Opening	Rad.	Radius	T.Bd.	Tack Board	Wt.	Weight
Cab.	Cabinet	Expo.	Exposed	Horiz.	Horizontal	Mtd.	Mounted	R.D.	Roof Drain				
Cg.	Ceiling							Ref.	Reference				
Cir.	Clear												



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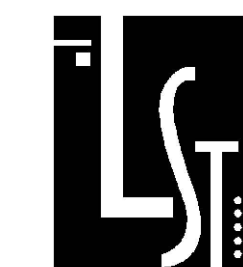
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### CONSULTANTS

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Structural Engineer ;



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 info@bdc-engrs.com

REVISED PERMIT SET 4-16-2026

**CODE FOOTPRINT NOTES**

1. EXISTING SECOND FLOOR AREA (STORAGE) IS TO REMAIN "AS IS". ONLY ONE EXIT EXISTS, WHICH EXCEEDS 100' TRAVEL DISTANCE. THIS EXISTING NON-CONFORMING CONDITION WILL BE IMPROVED WITH THE ADDITION OF A NEW FIRE SPRINKLER SYSTEM.

**PROJECT INFORMATION**

TYPE OF CONSTRUCTION: INTERIOR REMODEL  
 FACILITY/OWNER NAME: CLYDE COMMUNITY HALL/CLYDE COMMUNITY HALL INC.  
 FACILITY ADDRESS: 401 WASHINGTON STREET  
 CLYDE, KS 66938  
 OWNER ADDRESS: 401 WASHINGTON STREET  
 CLYDE, KS 66938  
 785-243-0085 (BRAD BLACKWOOD, BOARD CHAIR)  
 REASON FOR SUBMITTAL: INTERIOR RENOVATION  
 COUNTY: CLOUD  
 FIRE DEPARTMENT: CITY OF CLYDE  
 WATER SUPPLY: CITY OF CLYDE  
 BLDG INSPECTION DEPT.: CITY OF CLYDE  
 AUTHORITY HAVING JURISDICTION: CITY OF CLYDE  
 ARCHITECT: JONES OLLAM RENZ ARCHITECTS  
 730 N. NINTH ST.  
 SALINA, KS 67401  
 (785) 827-0386 phone  
 (785) 827-0392 fax  
 CODES/REGULATIONS: 2018 INTERNATIONAL BUILDING CODE  
 2018 INTERNATIONAL MECHANICAL CODE  
 2018 INTERNATIONAL PLUMBING CODE  
 2014 NATIONAL ELECTRIC CODE  
 2018 INTERNATIONAL FIRE CODE  
 KANSAS FIRE PREVENTION CODE  
 2010 ADA STANDARDS

**CODE INFORMATION**

OCCUPANCY OVERALL: MIXED OCCUPANCY  
 OCCUPANCY GROUPS: A-3 COMMUNITY HALL  
 S-1 STORAGE  
 (NON-SEPARATED USES, PER IBC SEC. 508.3.2)  
 (OFF BASED UPON MOST RESTRICTIVE OCCUPANCY)  
 CONSTRUCTION TYPE: III-B  
 BASIC ALLOWABLE AREA: A-3 9,500 SF PER FLOOR  
 ALLOWABLE AREA INCREASE: (NON-SEPARATED USES, PER IBC SEC. 508.3.2)  
 BASIC ALLOWABLE: A-3 9,500 SF  
 ACTUAL BUILDING AREA:  
 FIRST FLOOR 4,310 SF  
 SECOND FLOOR 4,322 SF  
 BASEMENT 1,721 SF  
 BASIC ALLOWABLE STORIES: 2  
 ACTUAL STORIES: 2  
 BASIC ALLOWABLE HEIGHT: 55'  
 ACTUAL HEIGHT: 44'

**LEGEND**

DESIGNATED EMERGENCY EXIT: 68"/24.4" EXIT WIDTH (ACTUAL/REQUIRED)  
 122"/34.0" OCCUPANT LOAD (ACTUAL/ALLOWED)

0 HOUR CONSTRUCTION  
 2HR RATED WALL WITH 90 MIN PROTECTED OPENINGS

EMERGENCY LIGHT

EXIT LIGHT

FIRE ALARM CONTROL PANEL

FIRE ALARM ANNUNCIATOR PANEL

FIRE DEPARTMENT CONNECTION (PROPOSED LOCATION)

FIRE HYDRANT

FIRE EXTINGUISHER

OCCUPANCY GROUP (AU - ACCESSORY USE)

OCCUPANCY USE

ROOM SQUARE FOOTAGE/OCCUPANT LOAD FACTOR

OCCUPANT LOAD/REQUIRED NUMBER OF EXITS

0 HOUR

1 HOUR

2 HOUR

3 HOUR

4 HOUR

5 HOUR

6 HOUR

7 HOUR

8 HOUR

9 HOUR

10 HOUR

11 HOUR

12 HOUR

13 HOUR

14 HOUR

15 HOUR

16 HOUR

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87 HOUR

88 HOUR

89 HOUR

90 HOUR

91 HOUR

92 HOUR

93 HOUR

94 HOUR

95 HOUR

96 HOUR

97 HOUR

98 HOUR

99 HOUR

100 HOUR

FIRE RESISTANCE RATING FOR BUILDING ELEMENTS

STRUCTURAL FRAME: 0 HOUR  
 INTERIOR BEARING WALLS: 0 HOUR  
 INTERIOR NON-BEARING WALLS: 0 HOUR  
 EXTERIOR BEARING WALLS: 2 HOUR (EAST & WEST WALLS)  
 EXTERIOR NON-BEARING WALLS: 0 HOUR (NORTH & SOUTH WALLS)  
 FLOOR/CEILING: 0 HOUR  
 CEILING/ROOF: 0 HOUR  
 SHAFT ENCLOSURES: 1 HOUR  
 STAIRS: 0 HOUR

OCCUPANCY SEPARATIONS: (NON-SEPARATED USES, PER IBC SEC. 508.3.2)  
 ALLOWABLE AREA & HEIGHT CALCULATIONS ARE BASED ON THE MOST RESTRICTIVE USE. DIFFERENT USES ARE NOT SEPARATED BY FIRE BARRIERS.

SPECIAL CONDITIONS:  
 1. PORTABLE FIRE EXTINGUISHERS INSTALLED.  
 2. EXIT & EMERGENCY LIGHTING INSTALLED.

FIRE ALARM REQUIREMENTS:  
 FIRE ALARM PANEL & DEVICES SHALL BE PROVIDED AS REQUIRED FOR INTEGRATION/NOTIFICATION PURPOSES ASSOCIATED WITH THE SPRINKLER SYSTEM & PER THE REQUIREMENTS OF NFPA 13.

SMOKE DETECTION REQUIREMENTS:  
 SMOKE DETECTORS AS REQUIRED BY AHJ

AUTOMATIC FIRE SUPPRESSION SYSTEM:  
 REQUIRED, & PROVIDED THROUGHOUT PER IBC 903.2.1.3, #3.

EMERGENCY POWER SOURCE:  
 EXIT SIGNS & EMERGENCY LIGHTING HAVE BATTERY BACK-UP.  
 NO HAZARDOUS MATERIALS ARE TO BE STORED

SMOKE PARTITIONS:  
 NOT REQUIRED

SMOKE CONTROL:  
 NOT REQUIRED

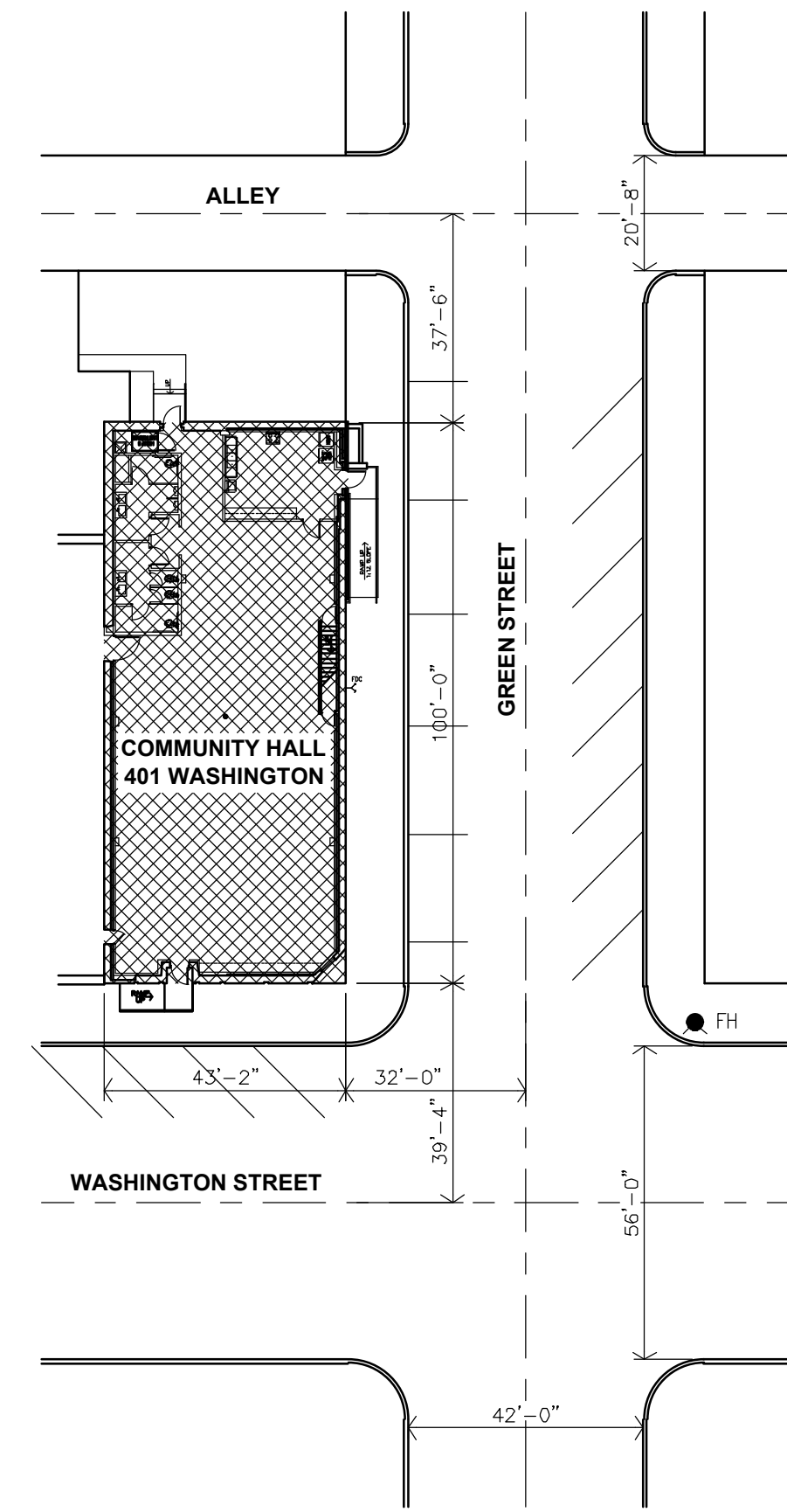
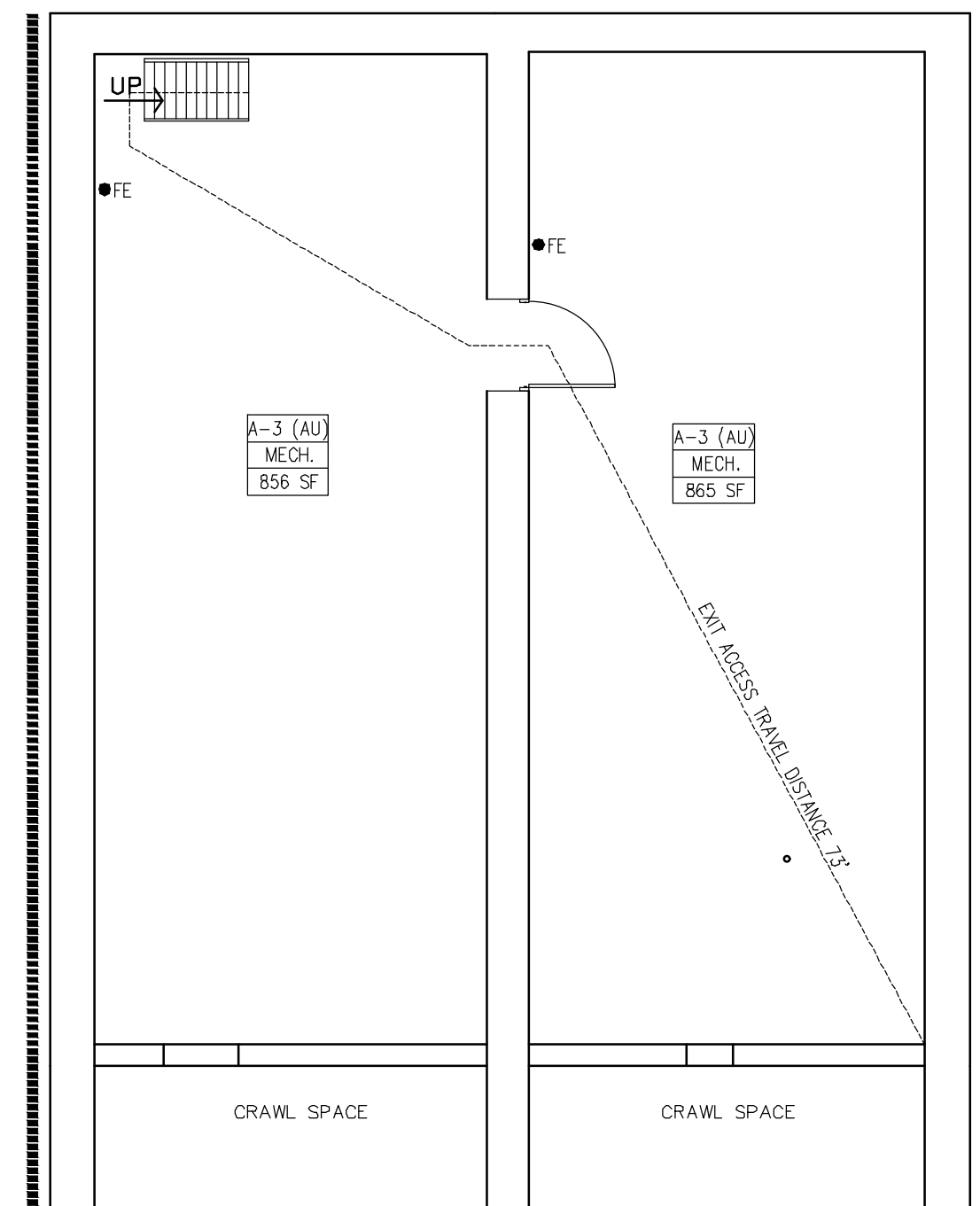
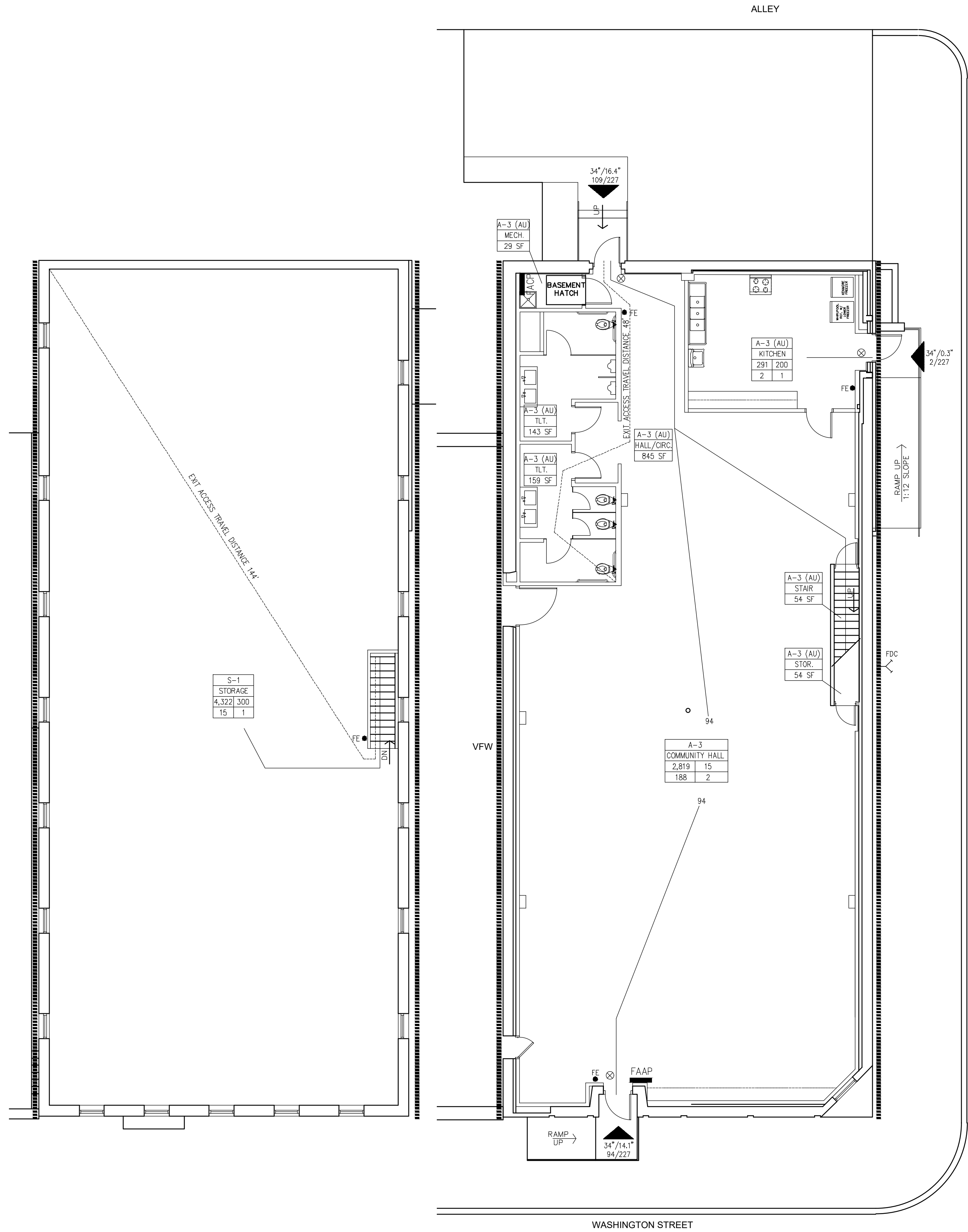
STANDPIPES:  
 NOT REQUIRED

TOTAL OCCUPANT LOAD: 205

EXITING: REFERENCE PLAN

OCCUPANT LOAD FACTORS:

OCCUPANCY	USE	LOAD FACTOR	OCCS=1-EXIT
A-3	COMMUNITY HALL	15 sf/OCCUPANT	49
A-3	KITCHEN	200 sf/OCCUPANT	49
S-1	STORAGE	300 sf/OCCUPANT	29

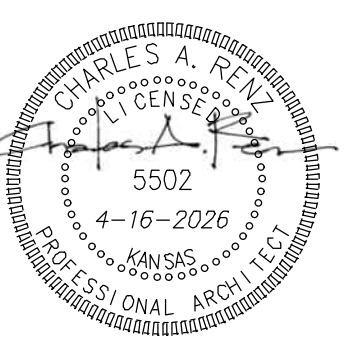


**D 2ND FLOOR PLAN**

**C 1ST FLOOR PLAN**

**B BASEMENT FLOOR PLAN**

**A SITE PLAN**



REVISION:

DATE: 4-16-2026  
 JOB: 25-3508  
 SHEET NO.:

**CODE FOOTPRINT NOTES**

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EXIT LIGHT

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FIRE ALARM ANNUNCIATOR PANEL

FIRE DEPARTMENT CONNECTION (PROPOSED LOCATION)

FIRE HYDRANT

FIRE EXTINGUISHER

OCCUPANCY GROUP (AU - ACCESSORY USE)

OCCUPANCY USE

ROOM SQUARE FOOTAGE/OCCUPANT LOAD FACTOR

OCCUPANT LOAD/REQUIRED NUMBER OF EXITS

0 HOUR

2 HR

EMERGENCY LIGHT

EXIT LIGHT

FIRE ALARM CONTROL PANEL

FIRE ALARM ANNUNCIATOR PANEL

FIRE DEPARTMENT CONNECTION (PROPOSED LOCATION)

FIRE HYDRANT

FIRE EXTINGUISHER

OCCUPANCY GROUP (AU - ACCESSORY USE)

OCCUPANCY USE

ROOM SQUARE FOOTAGE/OCCUPANT LOAD FACTOR

OCCUPANT LOAD/REQUIRED NUMBER OF EXITS

0 HOUR

2 HR

EMERGENCY LIGHT

EXIT LIGHT

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OCCUPANCY USE

ROOM SQUARE FOOTAGE/OCCUPANT LOAD FACTOR

OCCUPANT LOAD/REQUIRED NUMBER OF EXITS

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STRUCTURAL FRAME: 0 HOUR  
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 FLOOR/CEILING: 0 HOUR  
 CEILING/ROOF: 0 HOUR  
 SHAFT ENCLOSURES: 1 HOUR  
 STAIRS: 0 HOUR

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 ALLOWABLE AREA & HEIGHT CALCULATIONS ARE BASED ON THE MOST RESTRICTIVE USE. DIFFERENT USES ARE NOT SEPARATED BY FIRE BARRIERS.

SPECIAL CONDITIONS:  
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 SMOKE DETECTORS AS REQUIRED BY AHJ

AUTOMATIC FIRE SUPPRESSION SYSTEM:  
 REQUIRED, & PROVIDED THROUGHOUT PER IBC 903.2.1.3, #3.

EMERGENCY POWER SOURCE:  
 EXIT SIGNS & EMERGENCY LIGHTING HAVE BATTERY BACK-UP.  
 NO HAZARDOUS MATERIALS ARE TO BE STORED

HAZARDOUS MATERIALS: (PER IBC TABLE 414)  
 NO HAZARDOUS MATERIALS ARE TO BE STORED

SMOKE PARTITIONS:  
 NOT REQUIRED

SMOKE CONTROL:  
 NOT REQUIRED

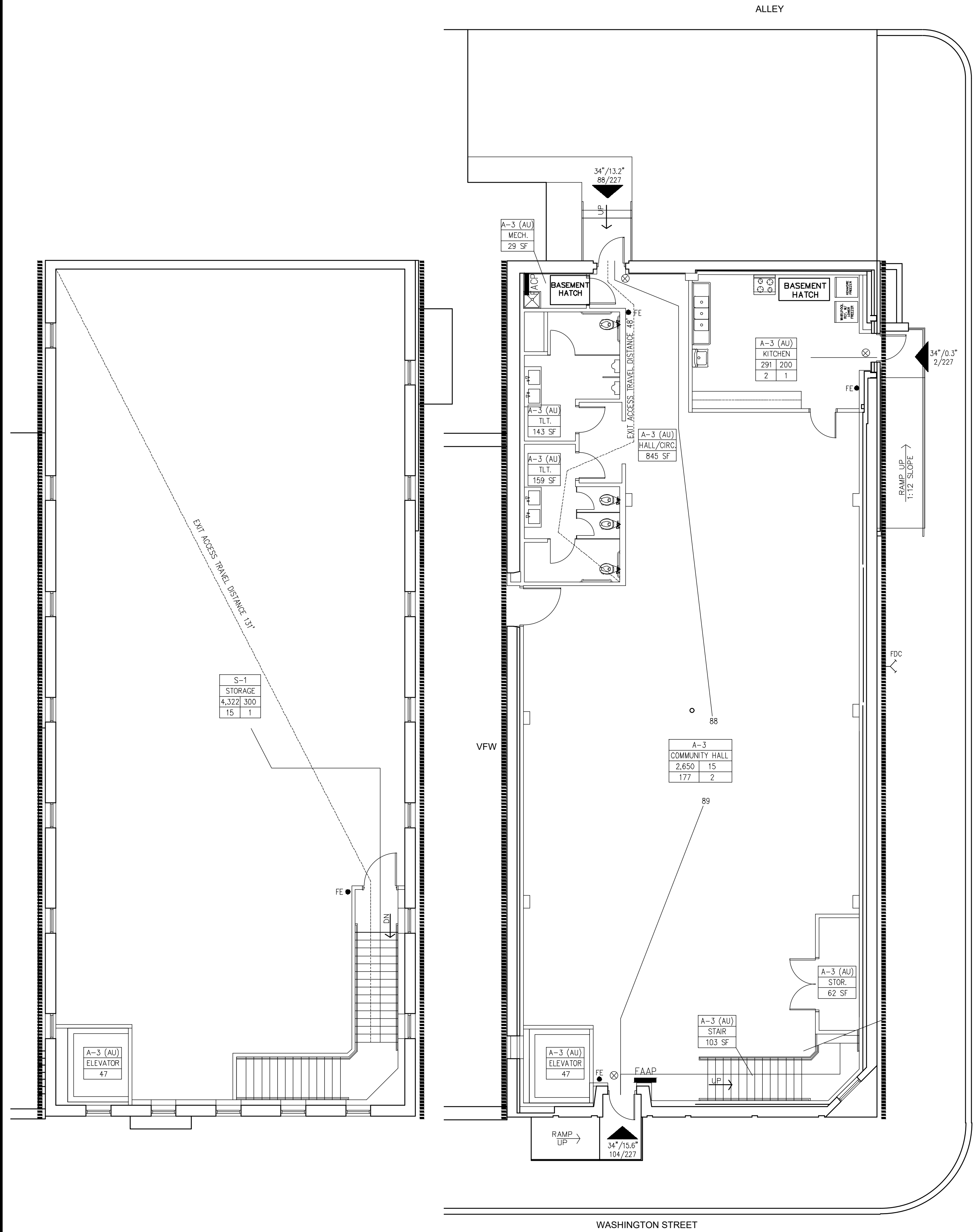
STANDPIPES:  
 NOT REQUIRED

TOTAL OCCUPANT LOAD: 194

EXITING: REFERENCE PLAN

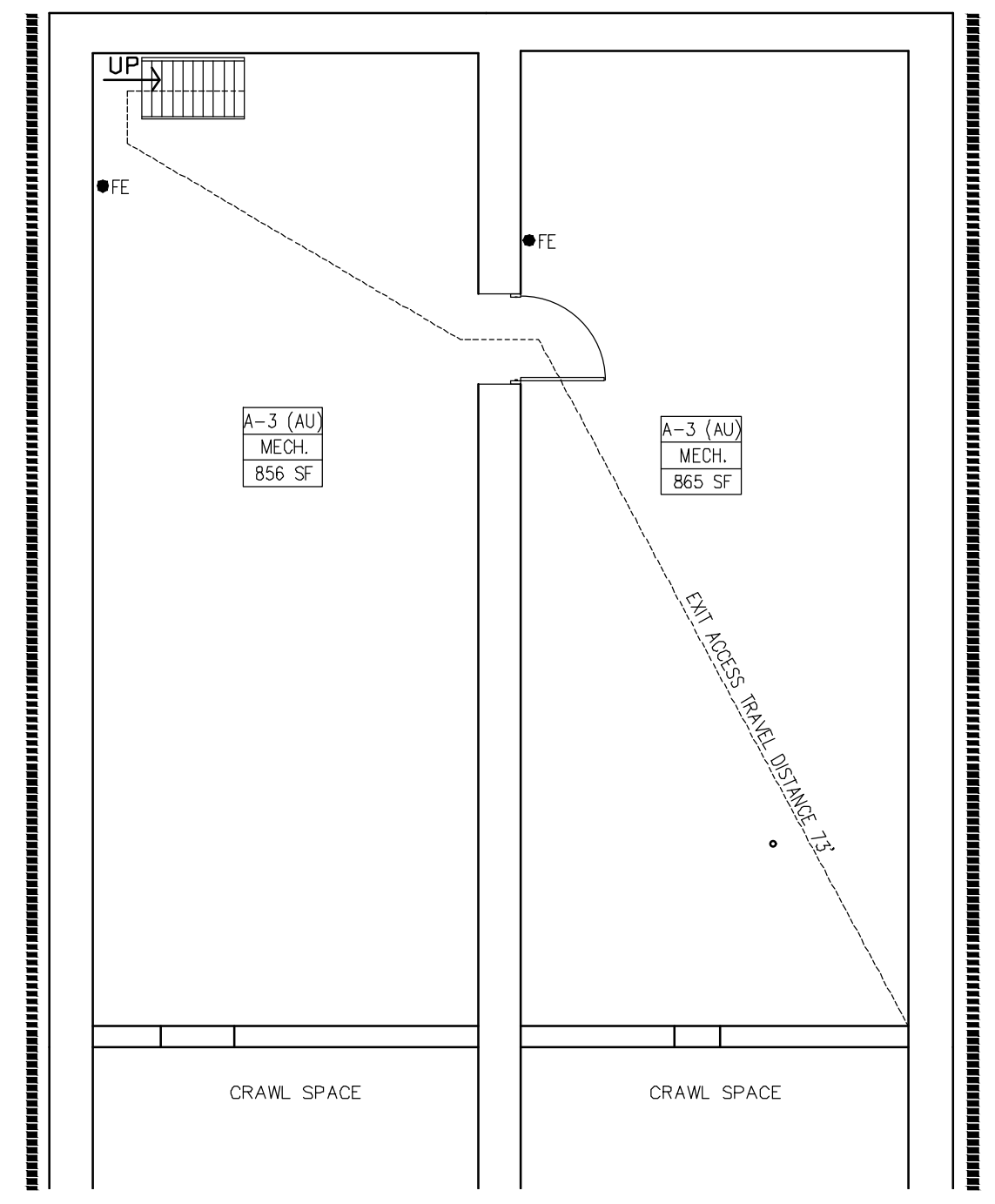
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OCCUPANCY	USE	LOAD FACTOR	OCCS=1-EXIT
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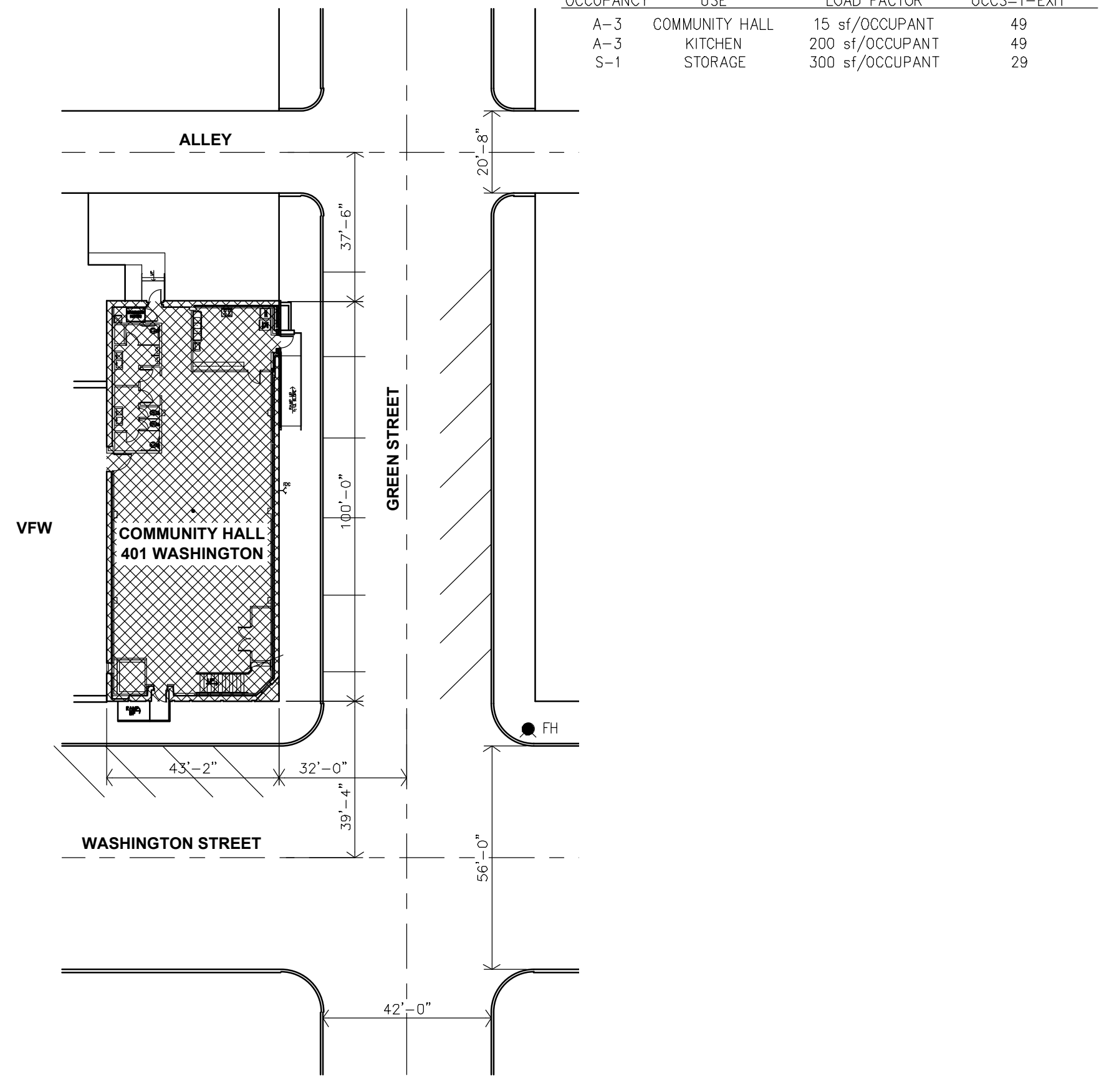


**D ALTERNATE BID 2ND FLOOR PLAN**

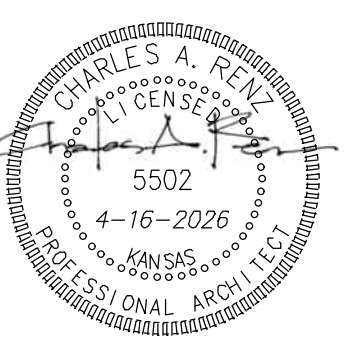
**ALTERNATE BID 1ST FLOOR PLAN**



**B BASEMENT FLOOR PLAN**

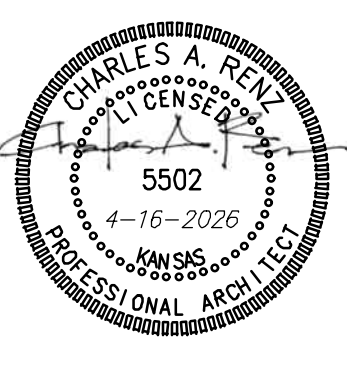


**A SITE PLAN**



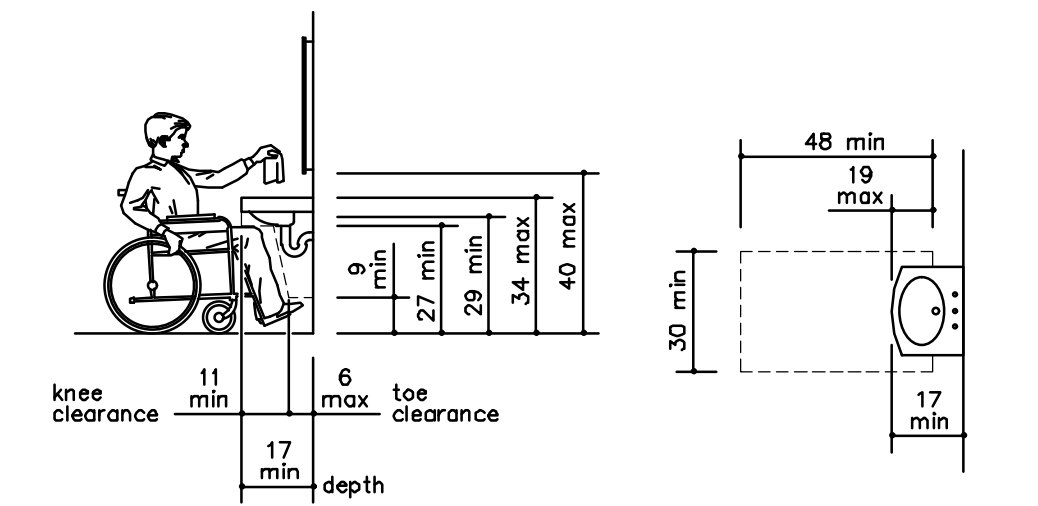
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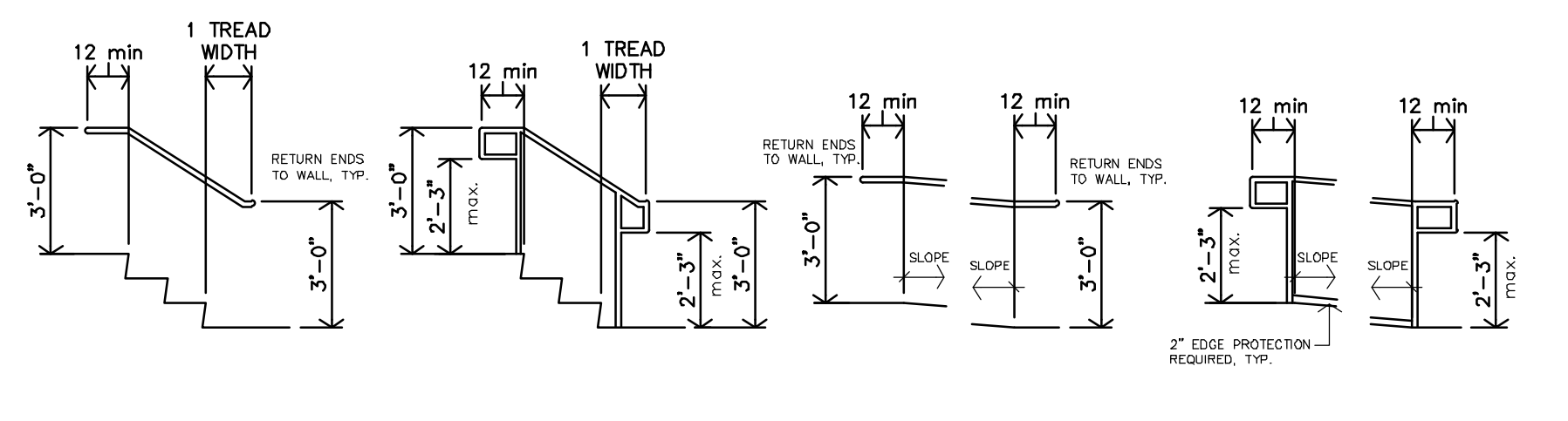


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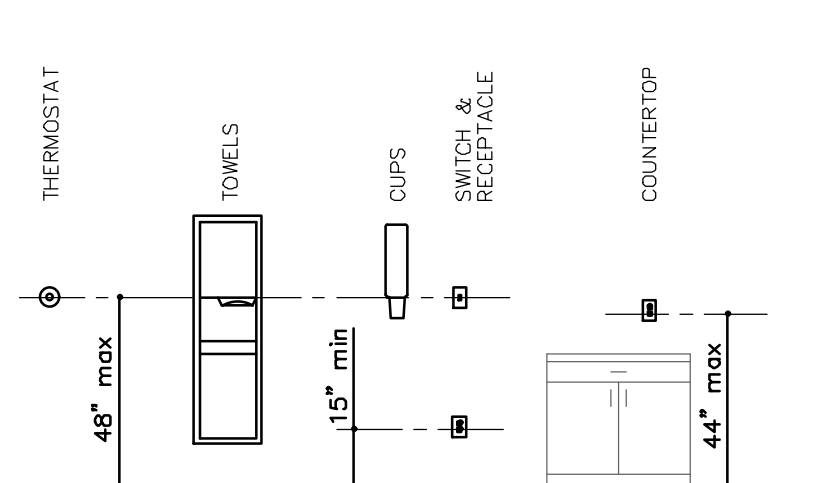
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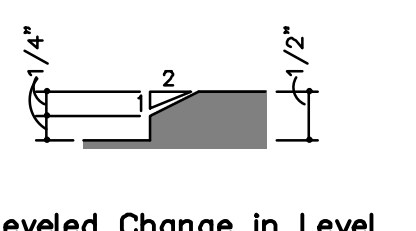
**J STANDARD LAVATORY DETAILS**  
 NO SCALE



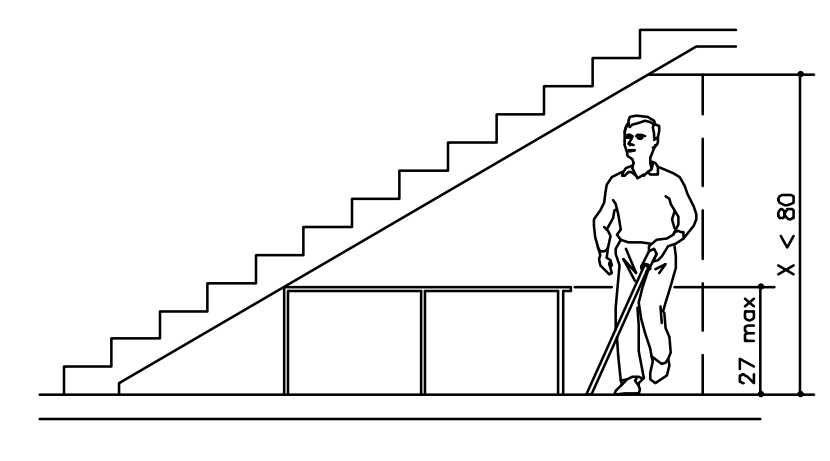
**K STANDARD RAMP/STAIR HANDRAIL EXTENSIONS**  
 NO SCALE



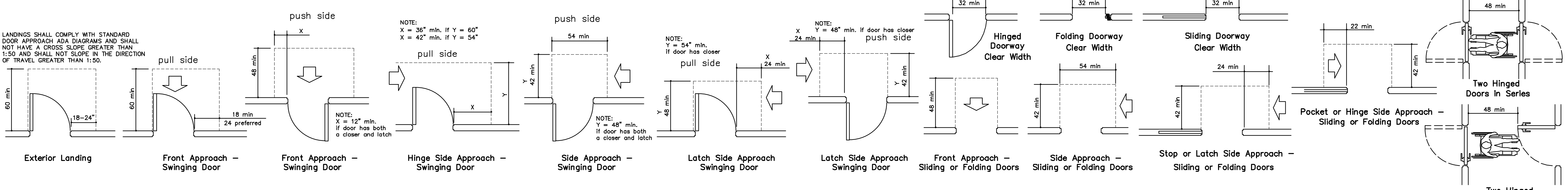
**L STANDARD CONTROL REACH LIMITATIONS DETAILS**  
 NO SCALE



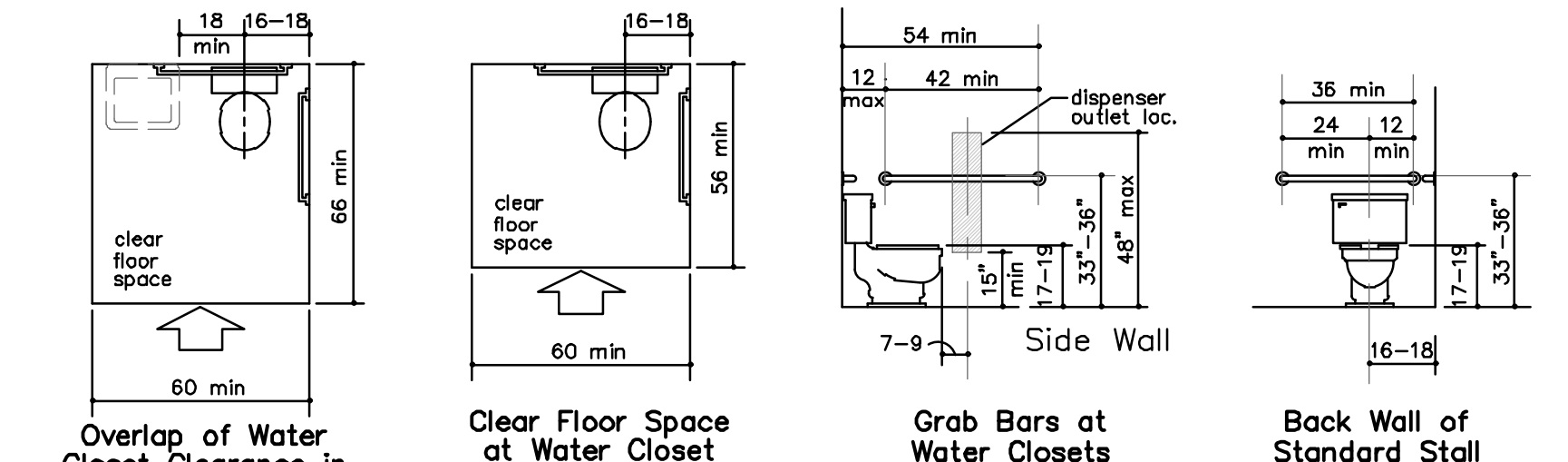
**M THRESHOLD ADA DIAGRAMS**  
 NO SCALE



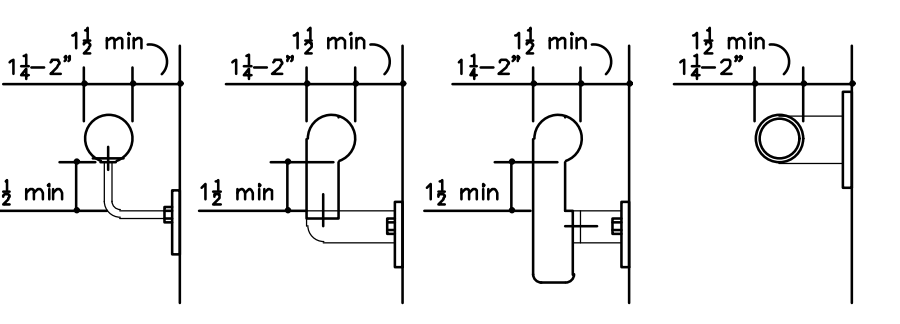
**N STANDARD VERTICAL CLEARANCE**  
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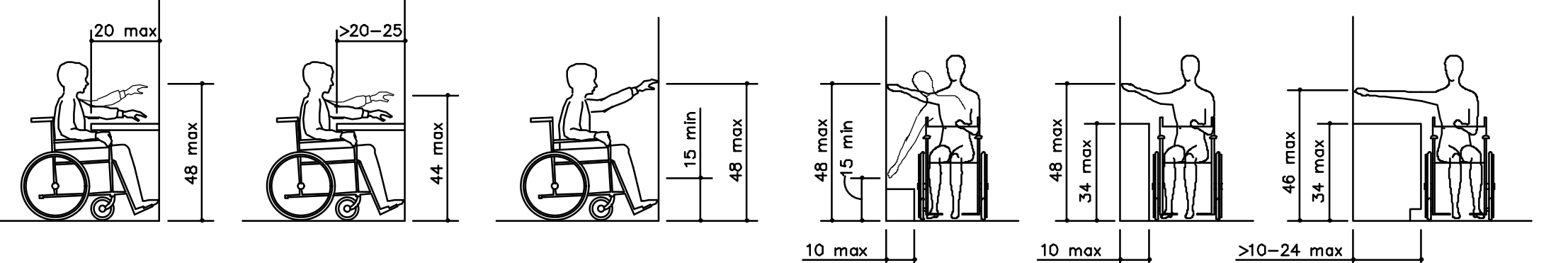
**H STANDARD DOOR APPROACH ADA DIAGRAMS**  
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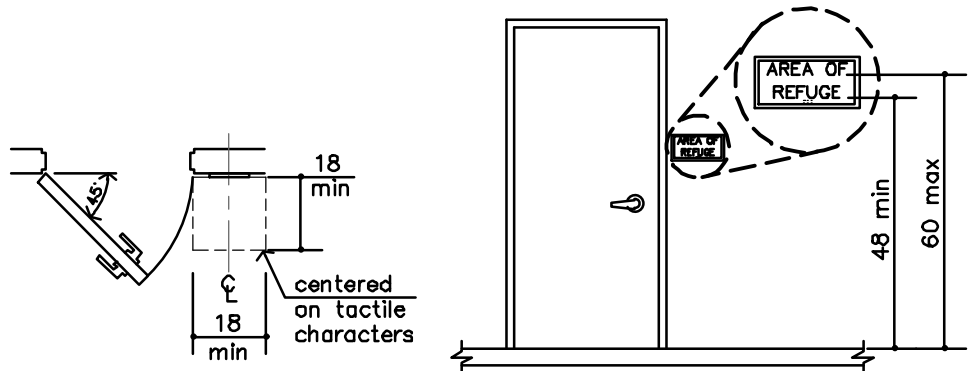
**D STANDARD TOILET ADA DIAGRAMS**  
 NO SCALE



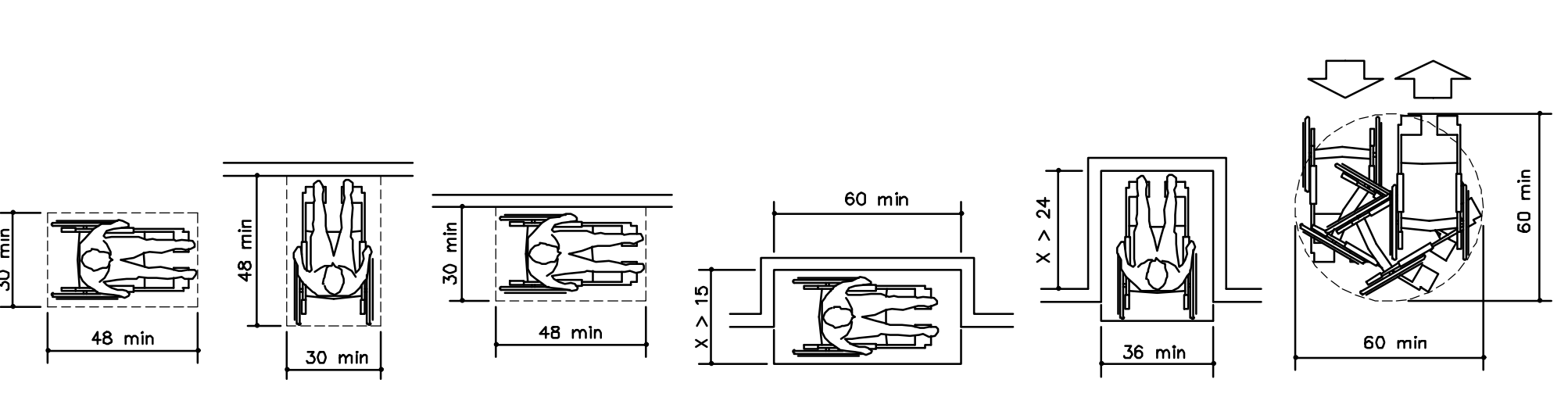
**E STANDARD HANDRAIL/GRAB BAR DETAILS**  
 NO SCALE



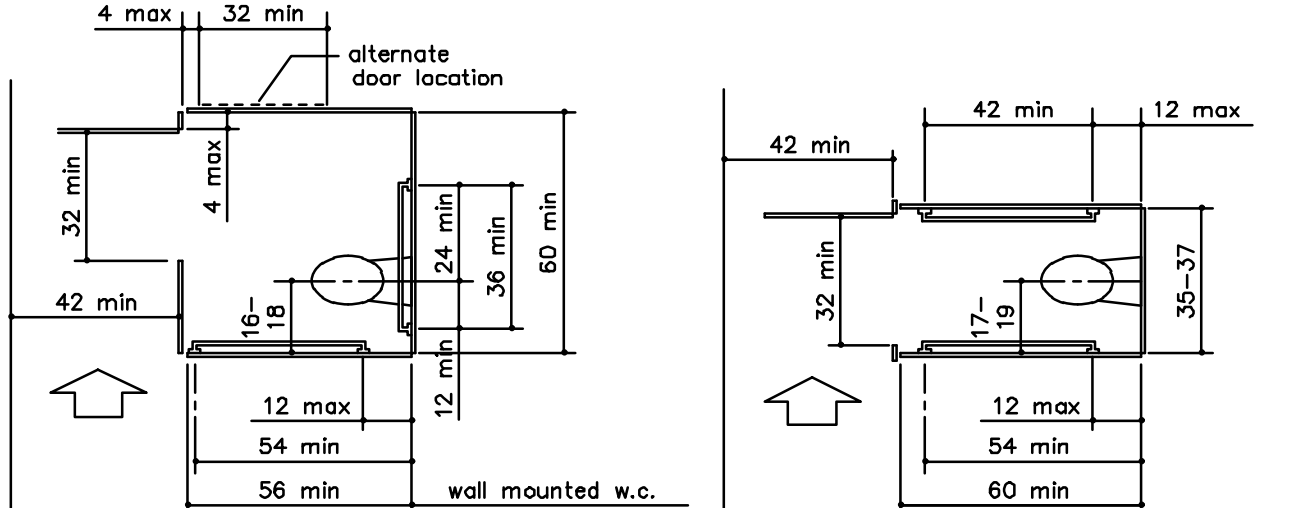
**F STANDARD REACH ADA DIAGRAMS**  
 NO SCALE



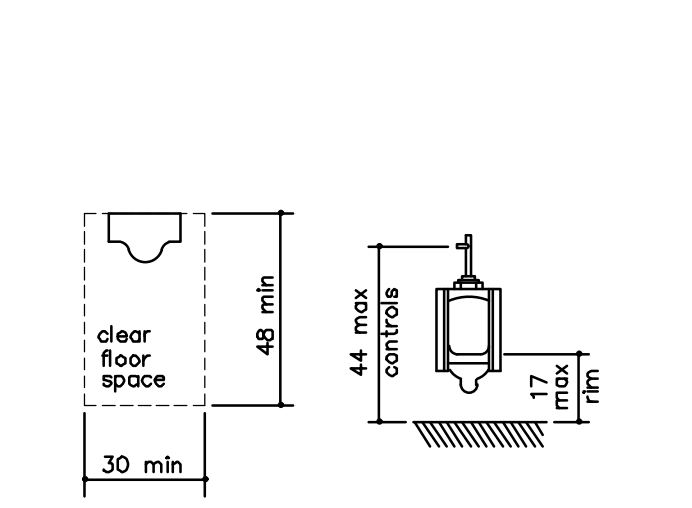
**G TACTILE SIGN DIAGRAM**  
 NO SCALE



**A STANDARD ADA DIAGRAMS**  
 NO SCALE



**B STANDARD TOILET STALL ADA DIAGRAMS**  
 NO SCALE



**C STANDARD URINAL ADA DIAGRAMS**  
 NO SCALE

**FOR REFERENCE ONLY**

**ADA**



**EE** PHOTOGRAPH



**DD** PHOTOGRAPH



**CC** PHOTOGRAPH



**BB** PHOTOGRAPH



**AA** PHOTOGRAPH



**Z** PHOTOGRAPH



**Y** PHOTOGRAPH



**X** PHOTOGRAPH



**W** PHOTOGRAPH



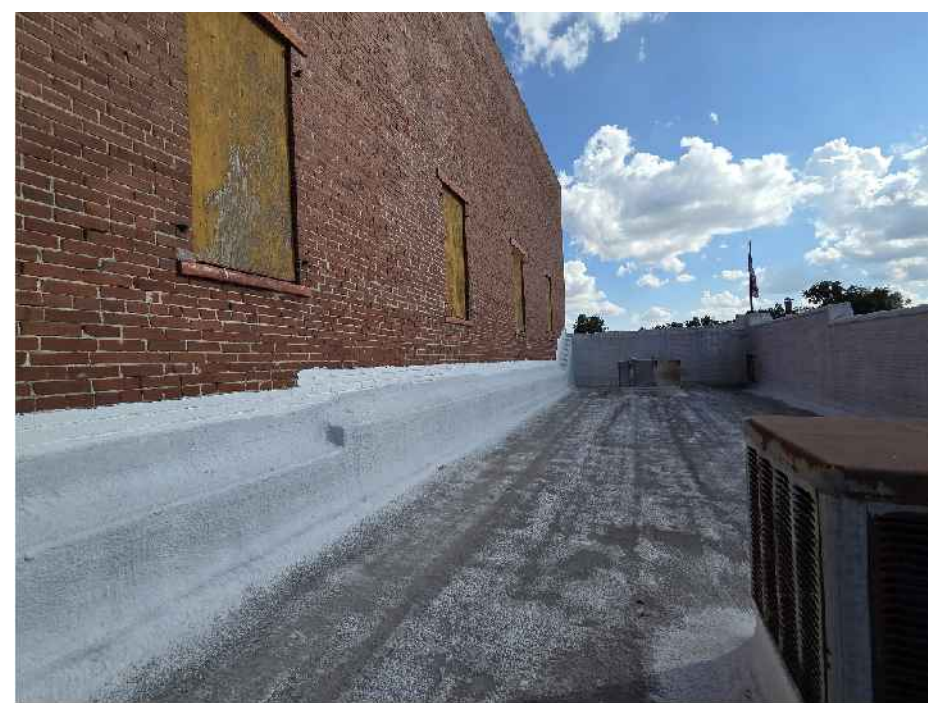
**V** PHOTOGRAPH



**U** PHOTOGRAPH



**T** PHOTOGRAPH



**S** PHOTOGRAPH



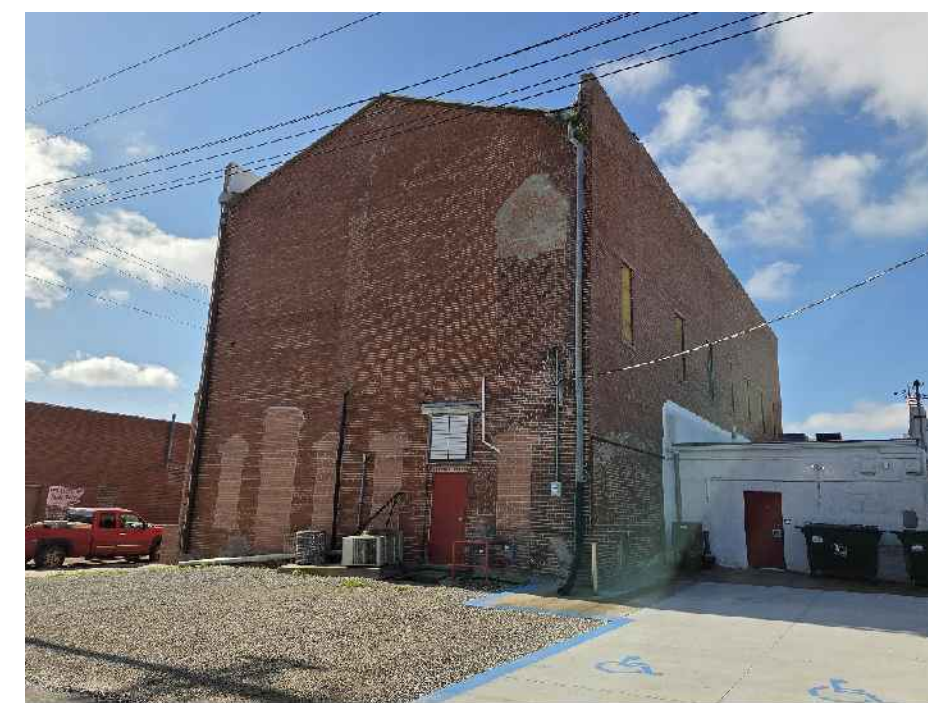
**R** PHOTOGRAPH



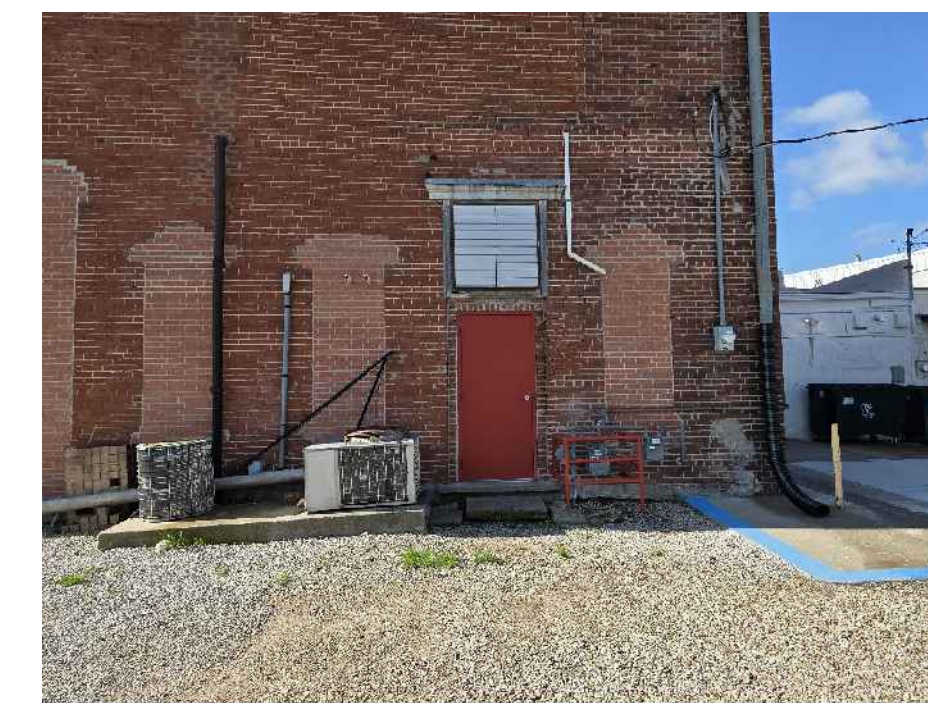
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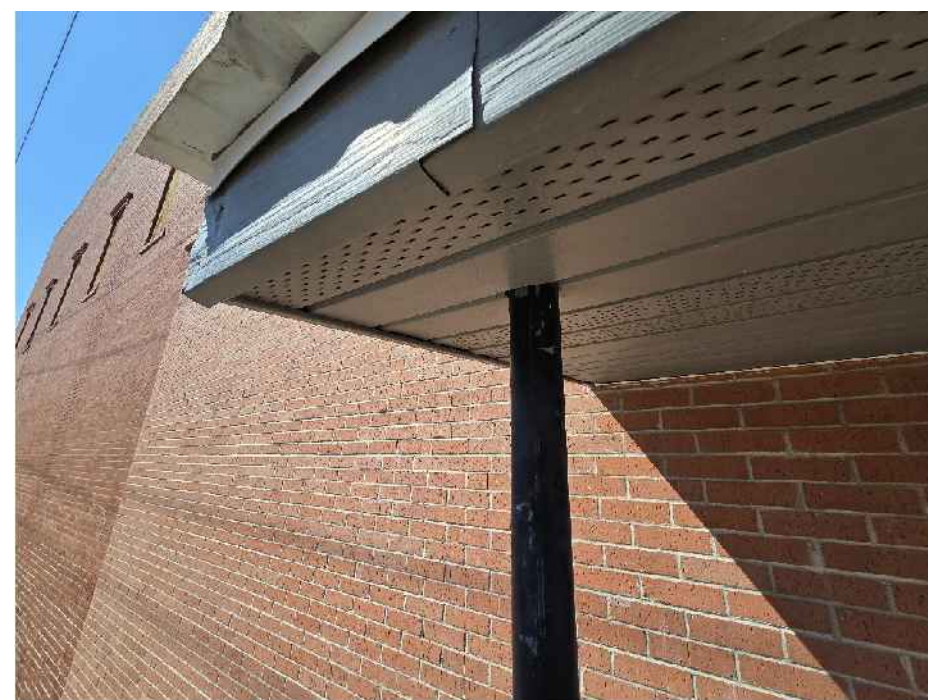
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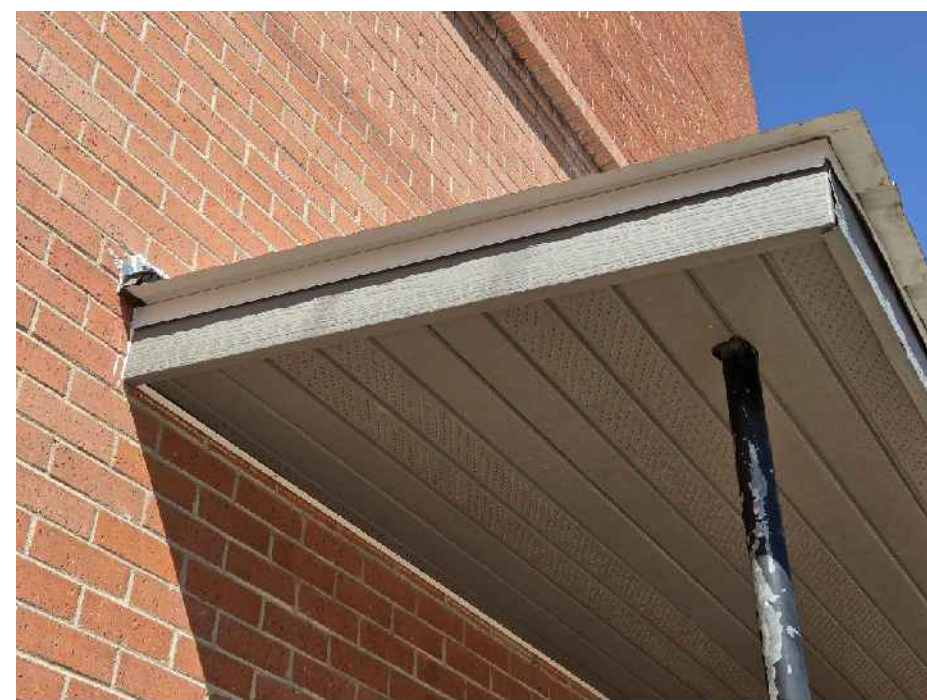
**O** PHOTOGRAPH



**N** PHOTOGRAPH



**M** PHOTOGRAPH



**L** PHOTOGRAPH



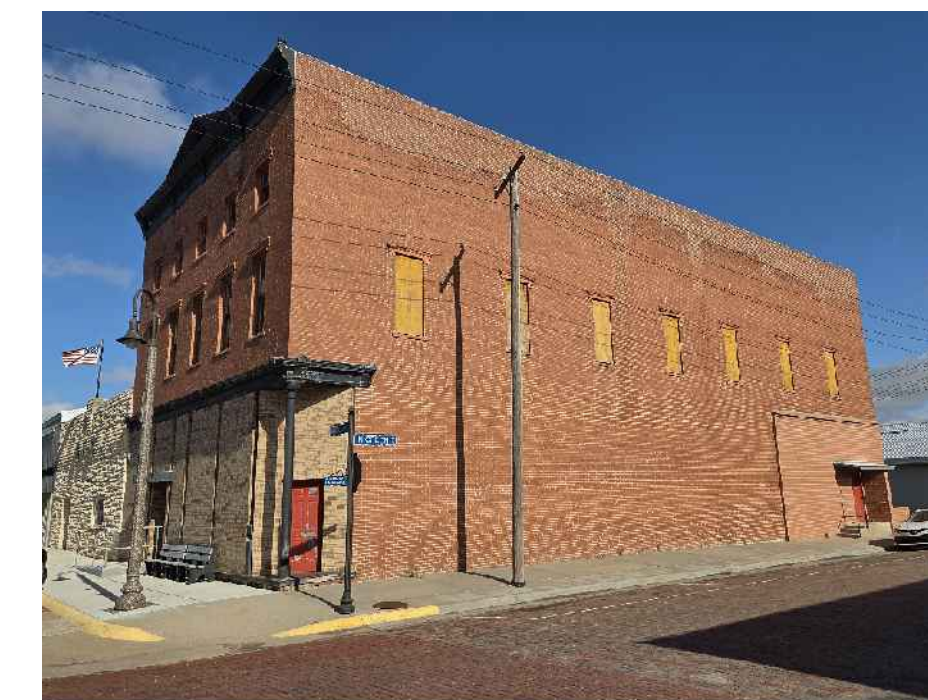
**K** PHOTOGRAPH



**J** PHOTOGRAPH



**H** PHOTOGRAPH



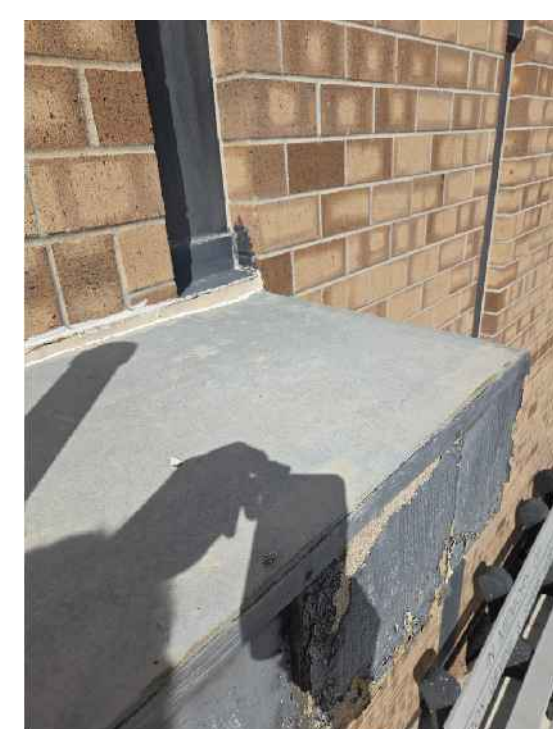
**G** PHOTOGRAPH



**F** PHOTOGRAPH



**E** PHOTOGRAPH



**D** PHOTOGRAPH



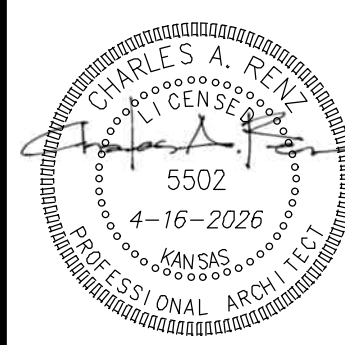
**C** PHOTOGRAPH



**B** PHOTOGRAPH



**A** PHOTOGRAPH





EE PHOTOGRAPH



DD PHOTOGRAPH



CC PHOTOGRAPH



BB PHOTOGRAPH



AA PHOTOGRAPH



Z PHOTOGRAPH



Y PHOTOGRAPH



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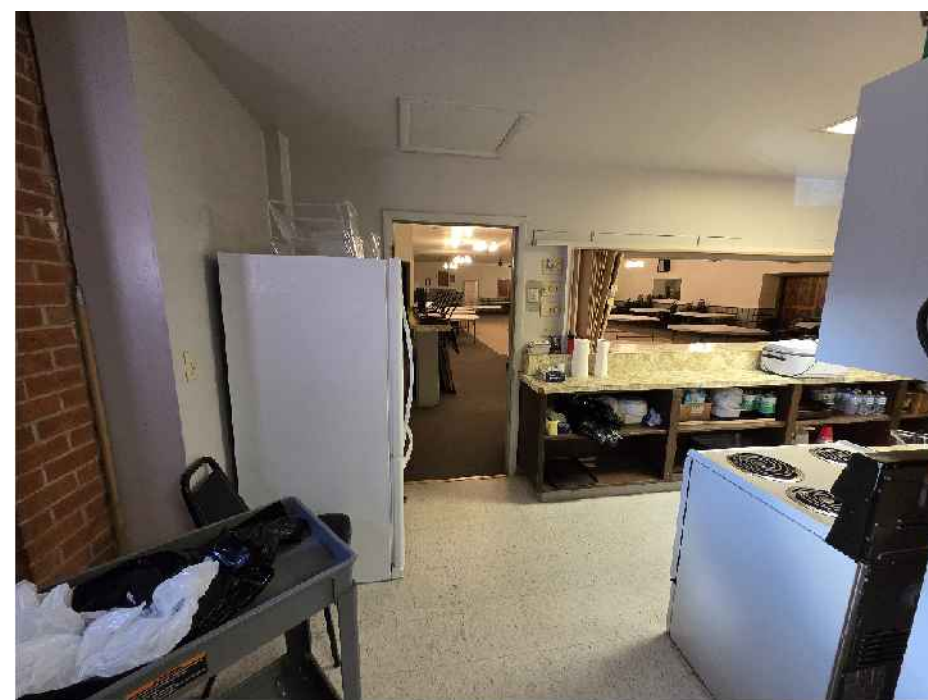
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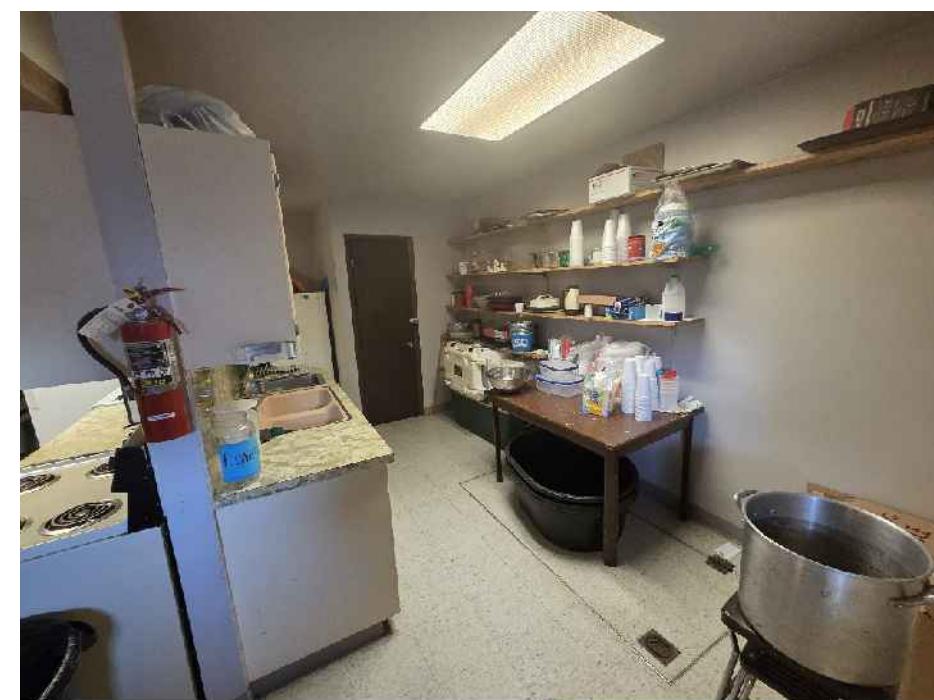
M PHOTOGRAPH



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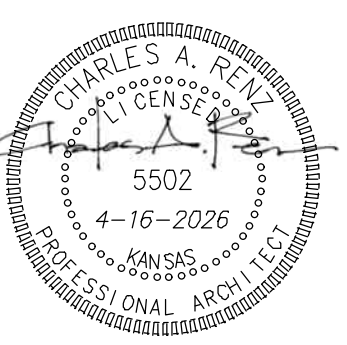
C PHOTOGRAPH



B PHOTOGRAPH



A PHOTOGRAPH



REVISION: \_\_\_\_\_  
DATE: 4-16-2026  
JOB: 25-3508  
SHEET NO.:



**Y** PHOTOGRAPH  
VIEW OF EAST ROOF AREA LOOKING NORTH



**X** PHOTOGRAPH  
VIEW OF WEST ROOF AREA LOOKING NORTH



**W** PHOTOGRAPH  
VIEW OF WEST ROOF AREA LOOKING SOUTH



**V** PHOTOGRAPH  
VIEW OF N.W. ROOF AREA LOOKING NORTH



**AA** PHOTOGRAPH  
VIEW OF EAST ROOF AREA LOOKING SOUTH



**Z** PHOTOGRAPH  
VIEW OF N.E. ROOF AREA LOOKING NORTH



**S** PHOTOGRAPH



**R** PHOTOGRAPH



**Q** PHOTOGRAPH



**P** PHOTOGRAPH



**U** PHOTOGRAPH



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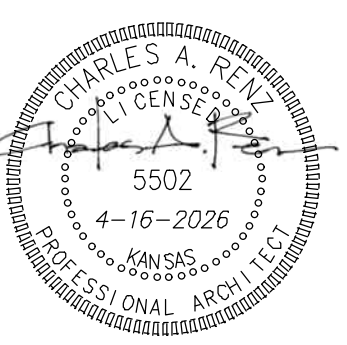
**C** PHOTOGRAPH



**B** PHOTOGRAPH

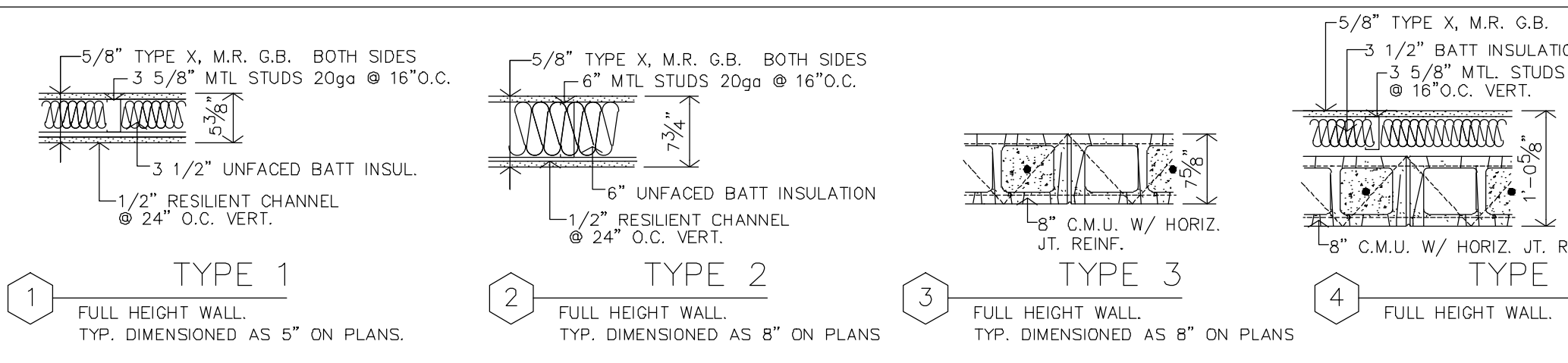


**A** PHOTOGRAPH

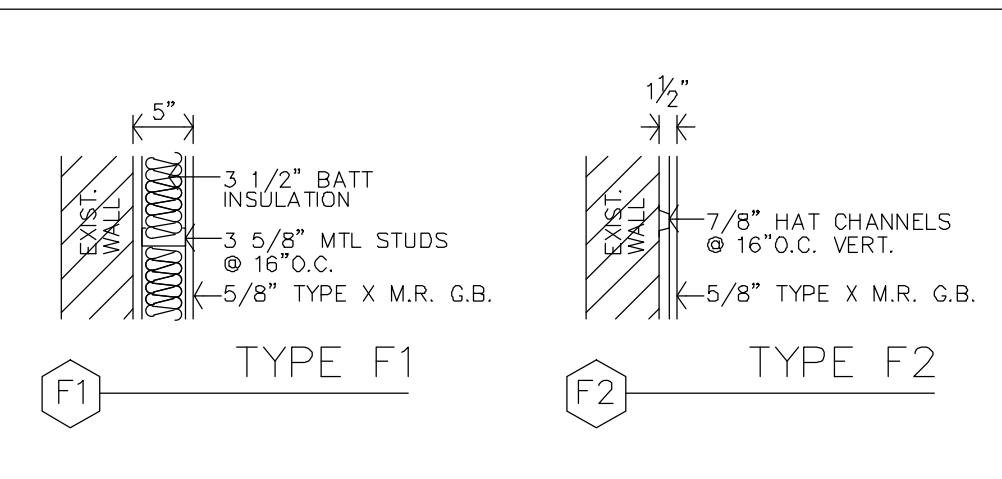


REVISION: \_\_\_\_\_  
DATE: 4-16-2026  
JOB: 25-3508  
SHEET NO.:

**INTERIOR PARTITION TYPES**



**FURRING TYPES**



**BUILD AMERICA, BUY AMERICA (BABA) COMPLIANCE NOTE**

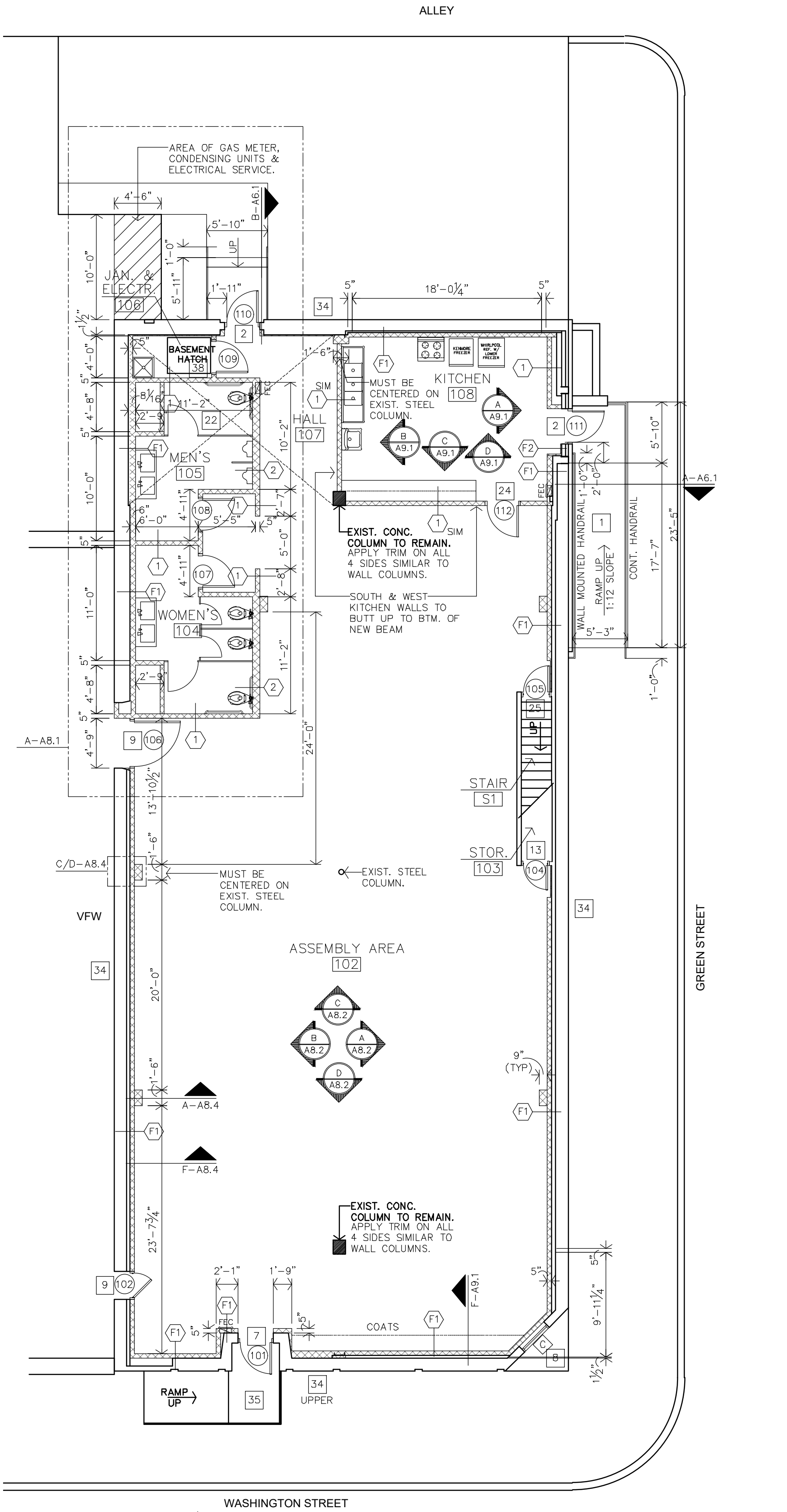
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**DEMOLITION NOTES**

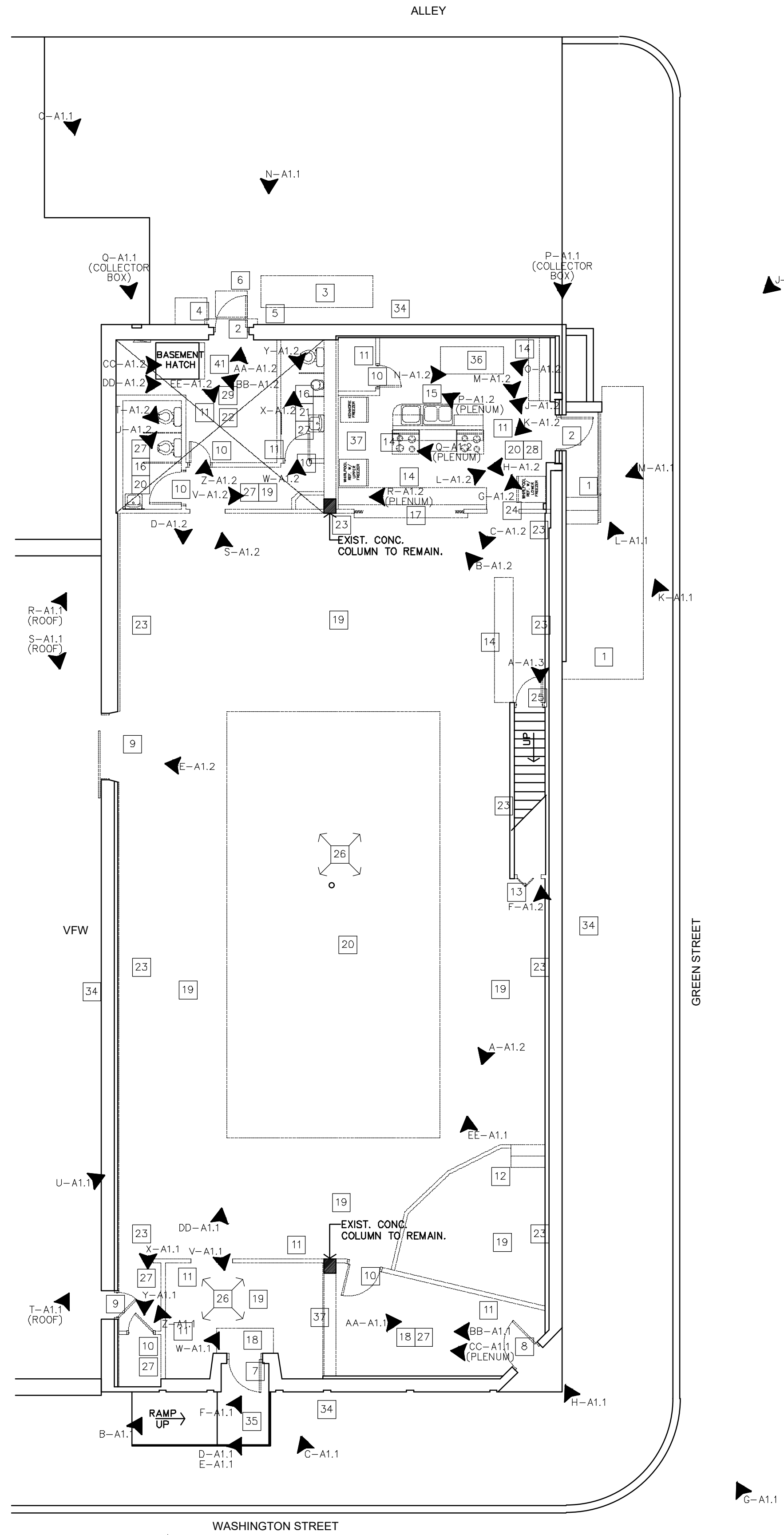
- GENERAL**
- WHERE EXIST. BLDG. COMPONENTS ARE TO BE REMOVED; PATCH & REPAIR THE SURFACES TO MATCH EXIST. FINISH, UNLESS NEW FINISHES ARE CALLED FOR IN THE FINISH SCHEDULE.
  - REMOVE EXIST. BLDG. COMPONENTS AS INDICATED, IMPLIED OR AS REQUIRED SCHEMATICALLY SHOWN AS DASHED LINES. FIELD VERIFY ALL LOCATIONS.
  - THE ELECTRICAL & MECHANICAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CORE DRILLING FOR PIPING & CONDUIT INSTALLATION.
  - ALL OTHER CUTTING, PATCHING & FINISHING, U.N.O. SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
  - SHORING OF EXISTING STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
  - IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE DEMOLITION BY DIFFERING TRADES.
  - CONTRACTOR COORDINATE SCHEDULE & LOCATION OF ANY OR ALL EXISTING RECEPTACLES, SWITCHES, DEVICES, ETC. PRIOR TO DEMOLITION, RELOCATE OR ABANDON ACCORDINGLY.
  - COORDINATE & REFERENCE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND DETAILS.
  - OWNER TO REMOVE ALL PICTURES, MIRRORS, ETC., FROM WALLS.
  - OWNER TO MOVE FURNITURE & RELOCATE ACCORDINGLY.
- SAW-CUT & REMOVE EXISTING CONC. SIDEWALK AS WELL AS EXISTING CONCRETE RAMP & ASSOCIATED RAILING. INSTALL TEMPORARY STRUCTURAL SUPPORT FOR SOUTH SIDE OF EXISTING AWNING PRIOR TO DEMOLITION. INSTALL NEW CONCRETE RAMP, RAILING & STRUCTURAL AWNING SUPPORT.
  - REMOVE EXISTING H.M. DOOR, FRAME & HARDWARE. INSTALL NEW H.M. DOOR, FRAME & HARDWARE. PAINT DOOR & FRAME.
  - REMOVE EXISTING CONDENSING UNITS (REF. MECH. PLANS) & CONC. PAD.
  - RELOCATE EXISTING GAS METERS, UNDERGROUND & ABOVE GROUND PIPING & STEEL RAILING. REF. MECH. PLANS.
  - SAW-CUT & REMOVE EXISTING CONCRETE SLAB TO BE FLUSH WITH EXTERIOR WALL.
  - REMOVE EXISTING CONC. SLAB.
  - REMOVE EXISTING H.M. DOOR, FRAME & HARDWARE. INSTALL NEW ALUMINUM DOOR, FRAME, HARDWARE & AUTO OPENER SYSTEM.
  - REMOVE EXISTING H.M. DOOR, FRAME & HARDWARE. FILL IN VOID WITH FIBERGLASS WINDOW UNIT (SPANDREL GLASS) OVER AIR SPACE OVER 3 5/8\"/>

**ARCHITECTURAL GENERAL NOTES**

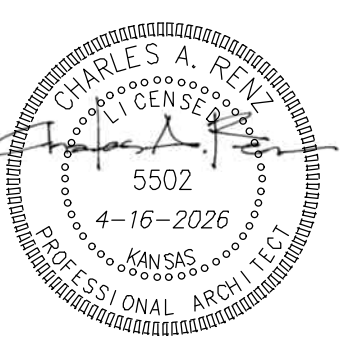
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- INSTALL MATERIALS AND/OR FINISHES AS INDICATED, IMPLIED OR AS REQUIRED FOR COMPLETE & FINISHED INSTALLATION.
- ALL WORK SHALL BE IN CONFORMANCE W/ APPLICABLE BUILDING CODES & ORDINANCES.
- ALL NEW CONSTRUCTION SHALL BE IN CONFORMANCE TO ADA REQUIREMENTS. REFERENCE ADA FOR TYPICAL MINIMUM CLEARANCE REQ.
- ALL NEW DOOR HARDWARE SHALL BE LEVER TYPE LATCH SETS & MATCH EXISTING UNLESS NOTED OTHERWISE. COORDINATE W/ MFR. FOR ADA INSTALLATION REQUIREMENTS. COORDINATE KEYING REQUIREMENTS W/ OWNER.
- IF THERE IS A DISCREPANCY BETWEEN DRAWINGS AND FIELD CONDITIONS NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK SO THAT ANY ISSUES MAY BE CLARIFIED.
- DOORS ARE TYP. LOCATED W/ HINGE-SIDE JAMB 4\"/>



**B FIRST FLOOR PLAN**  
1/8"=1'-0"



**A FIRST FLOOR DEMOLITION PLAN**  
1/8"=1'-0"



REVISION:  
DATE: 4-16-2026  
JOB: 25-3508  
SHEET NO.:

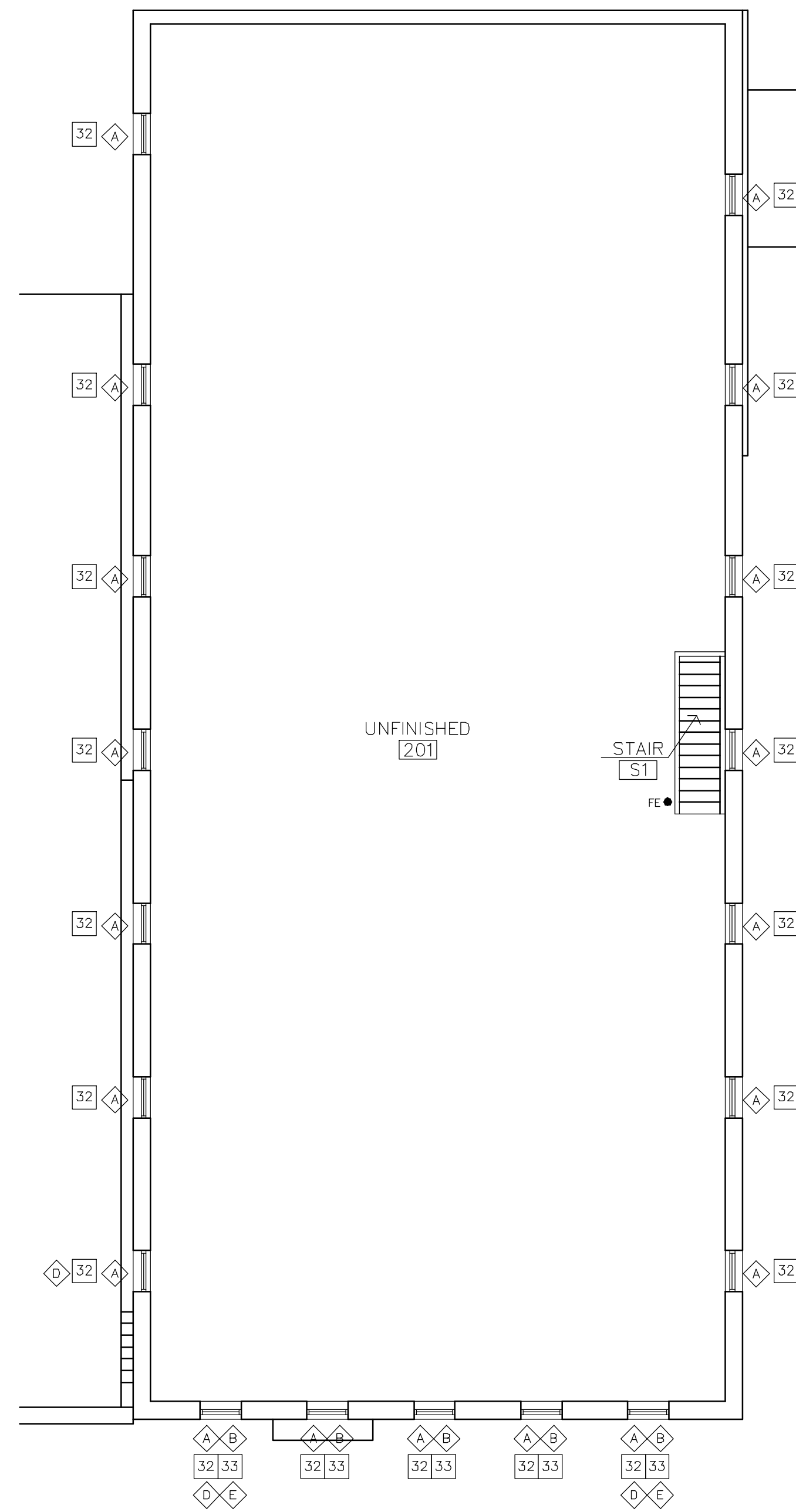
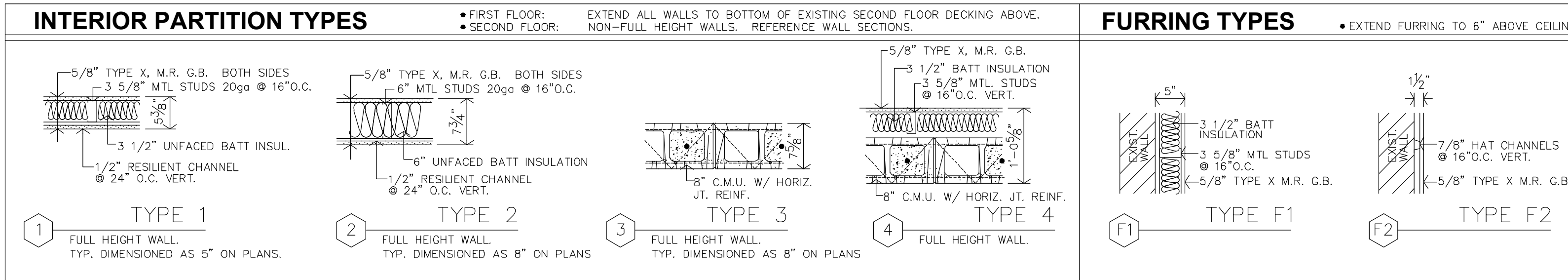
## BUILD AMERICA, BUY AMERICA (BABA) COMPLIANCE NOTE

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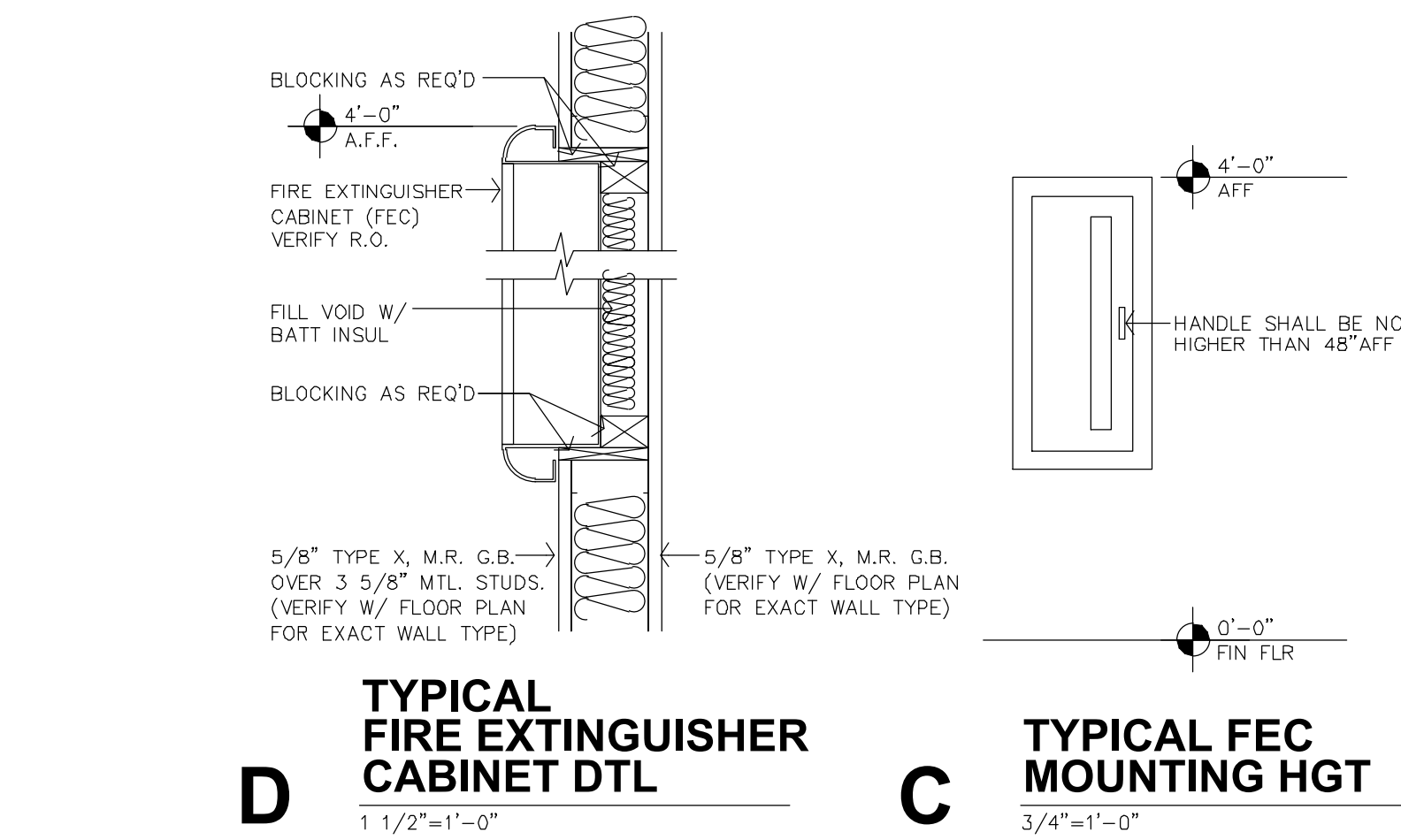
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**B** SECOND FLOOR PLAN  
1/8"=1'-0"

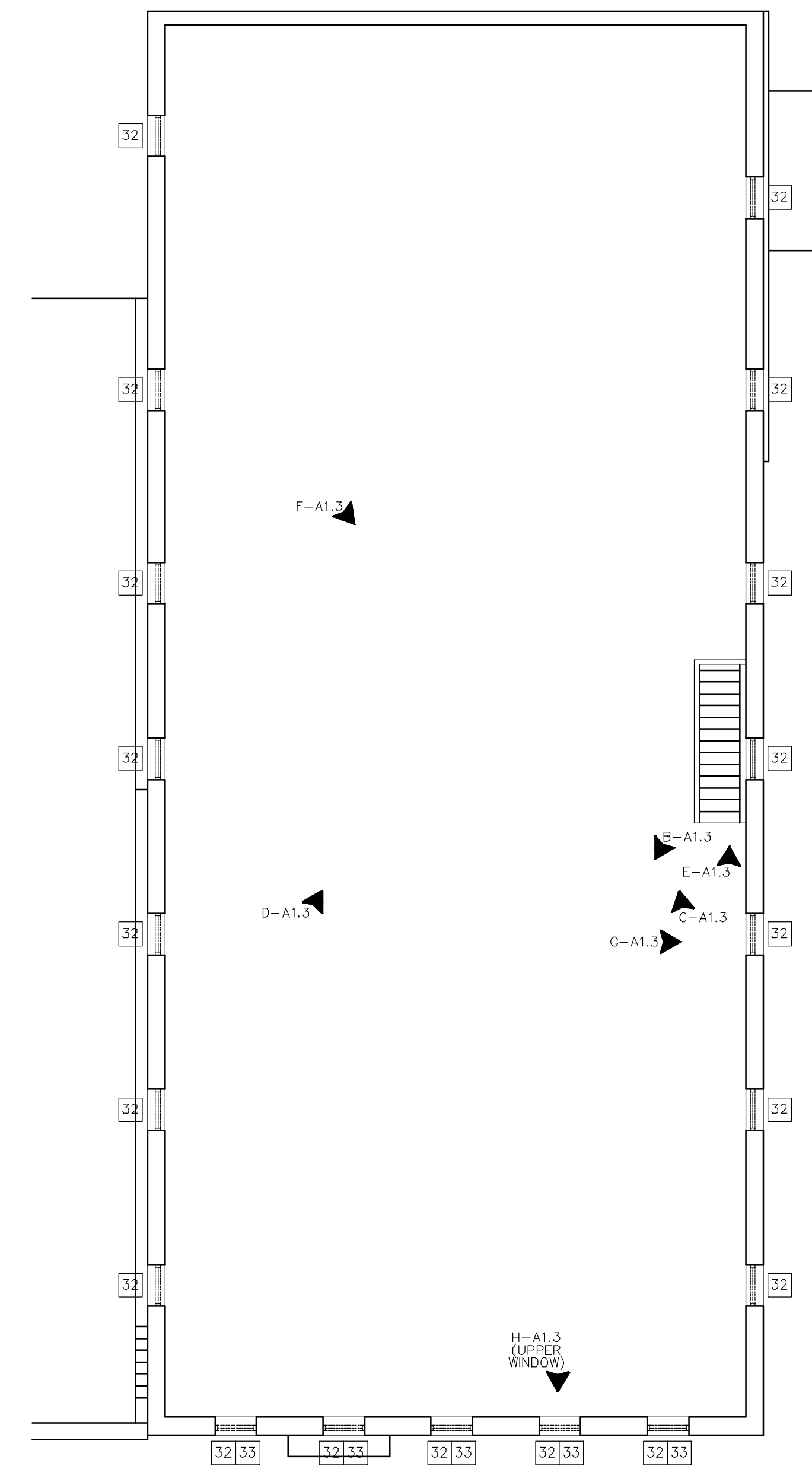


### DEMOLITION NOTES

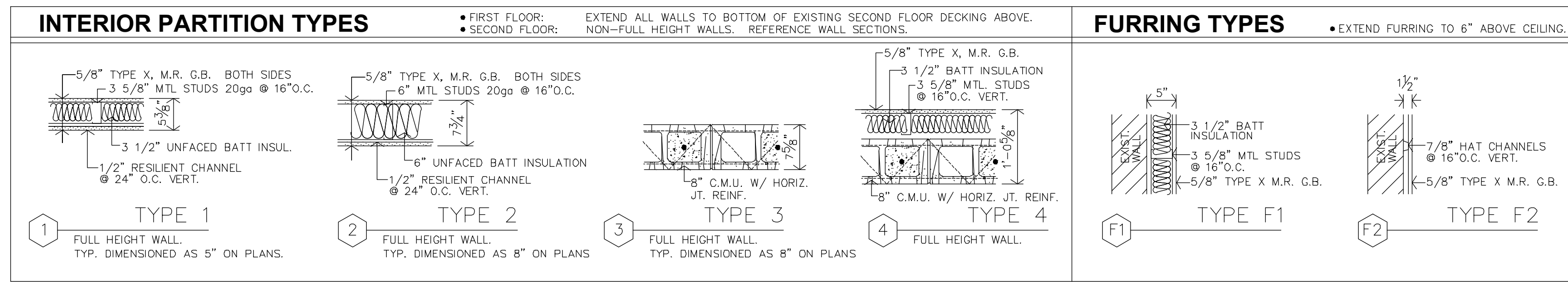
- | GENERAL  | 6-D2.2 PHOTO DESIGNATION   |
|--|--|
| <ol style="list-style-type: none"> <li>WHERE EXIST. BLDG. COMPONENTS ARE TO BE REMOVED, PATCH &amp; REPAIR THE SURFACES TO MATCH EXIST. FINISH, UNLESS NEW FINISHES ARE CALLED FOR IN THE FINISH SCHEDULE.</li> <li>REMOVE EXIST. BLDG. COMPONENTS AS INDICATED, IMPLIED OR AS REQUIRED SCHEMATICALLY SHOWN AS DASHED LINES. FIELD VERIFY ALL LOCATIONS.</li> <li>THE ELECTRICAL &amp; MECHANICAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CORE DRILLING FOR PIPING &amp; CONDUIT INSTALLATION.</li> <li>ALL OTHER CUTTING, PATCHING &amp; FINISHING, U.N.O. SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.</li> <li>SHORING OF EXISTING STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.</li> <li>IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE DEMOLITION BY DIFFERING TRADES.</li> <li>CONTRACTOR COORDINATE SCHEDULE &amp; LOCATION OF ANY OR ALL EXISTING RECEPTACLES, SWITCHES, DEVICES, ETC. PRIOR TO DEMOLITION, RELOCATE OR ABANDON ACCORDINGLY.</li> <li>COORDINATE &amp; REFERENCE MECHANICAL &amp; ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND DETAILS.</li> <li>OWNER TO REMOVE ALL PICTURES, MIRRORS, ETC., FROM WALLS.</li> <li>OWNER TO MOVE FURNITURE &amp; RELOCATE ACCORDINGLY.</li> </ol> | <ol style="list-style-type: none"> <li>REMOVE EXISTING WOOD WINDOW UNIT TO FRAMED/MASONRY OPENING. EXISTING UPPER METAL HEAD &amp; BOTTOM METAL HORIZONTAL SILL PIECES TO REMAIN &amp; BE PAINTED. INSTALL NEW FIXED FIBERGLASS INSULATED WINDOW UNITS W/ WATER-TIGHT CONDITION. (ALTERNATE #1: SPANDREL GLASS)</li> <li>REMOVE EXISTING HIGHEST WOOD WINDOW UNIT TO FRAMED/MASONRY OPENING. EXISTING UPPER METAL HEAD &amp; BOTTOM METAL HORIZONTAL SILL PIECES TO REMAIN &amp; BE PAINTED. INSTALL NEW FIXED FIBERGLASS INSULATED WINDOW UNITS W/ WATER-TIGHT CONDITION. (ALTERNATE #1: SPANDREL GLASS)</li> </ol> |

### ARCHITECTURAL GENERAL NOTES

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- ALL NEW CONSTRUCTION SHALL BE IN CONFORMANCE TO ADA REQUIREMENTS. REFERENCE ADA FOR TYPICAL MINIMUM CLEARANCE REQ.
- ALL NEW DOOR HARDWARE SHALL BE LEVER TYPE LATCH SETS & MATCH EXISTING UNLESS NOTED OTHERWISE. COORDINATE W/ MFR. FOR ADA INSTALLATION REQUIREMENTS, COORDINATE KEYING REQUIREMENTS W/ OWNER.
- IF THERE IS A DISCREPANCY BETWEEN DRAWINGS AND FIELD CONDITIONS NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK SO THAT ANY ISSUES MAY BE CLARIFIED.
- DOORS ARE TYPICALLY LOCATED WITH HINGE-SIDE JAMB 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE OR REQUIRED TO MEET LATCH-SIDE CLEARANCE PER ADA.
- G.C. SHALL BE RESPONSIBLE TO PATCH ALL WALLS & PREPARE TO BE PAINTED. REF. ROOM FINISH SCHEDULE.
- FE - INDICATES FIRE EXTINGUISHER
- INSTALL WOOD OR METAL BACKING BEHIND ALL WALLS FOR SECURING/MOUNTING OF TV/MONITOR, CASEWORK, TOILET ACCESSORIES, ETC. COORDINATE EXACT SIZES & LOCATION WITH ARCHITECT.



**A** SECOND FLOOR DEMOLITION PLAN  
1/8"=1'-0"



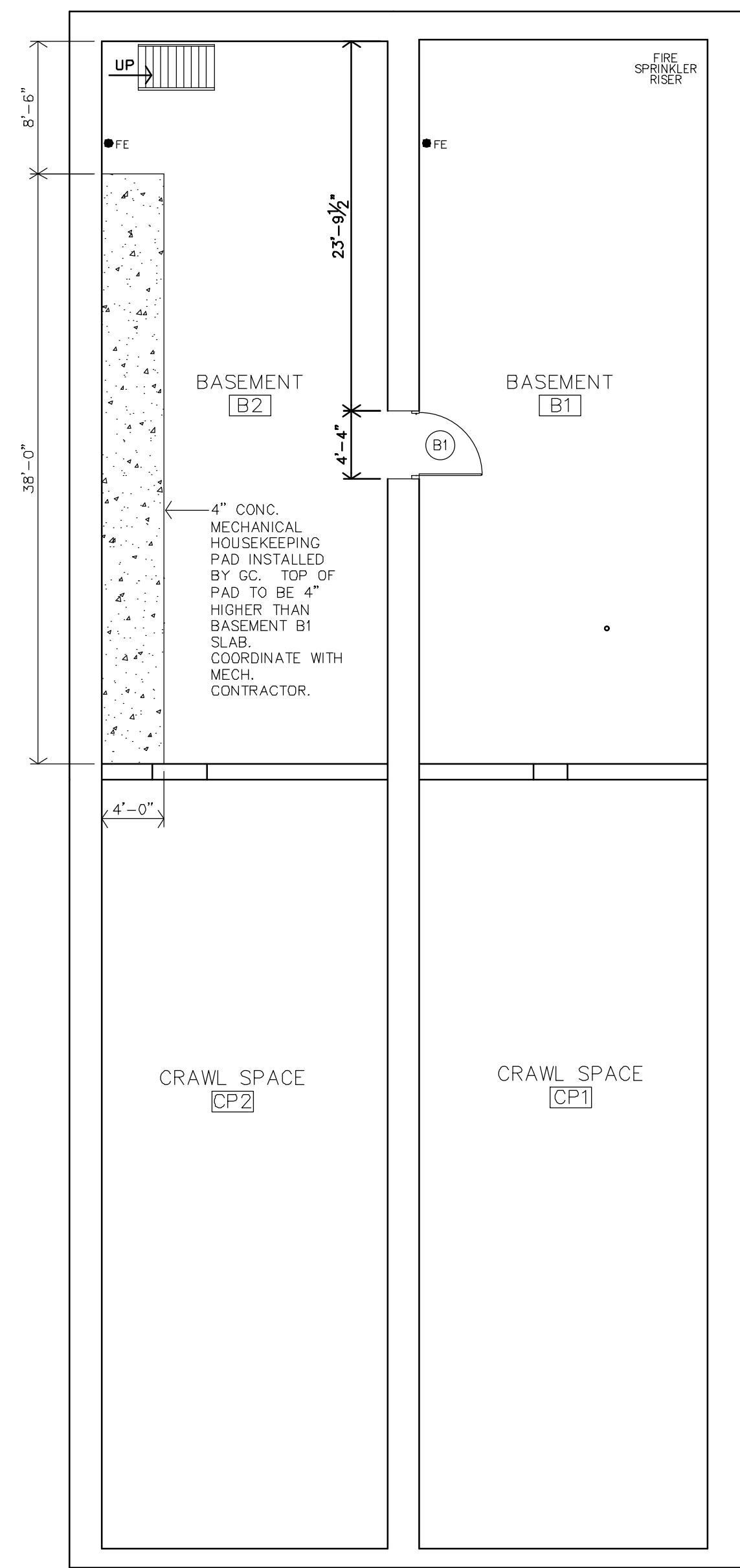
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**DEMOLITION NOTES**

**GENERAL**

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- OWNER TO MOVE FURNITURE & RELOCATE ACCORDINGLY.

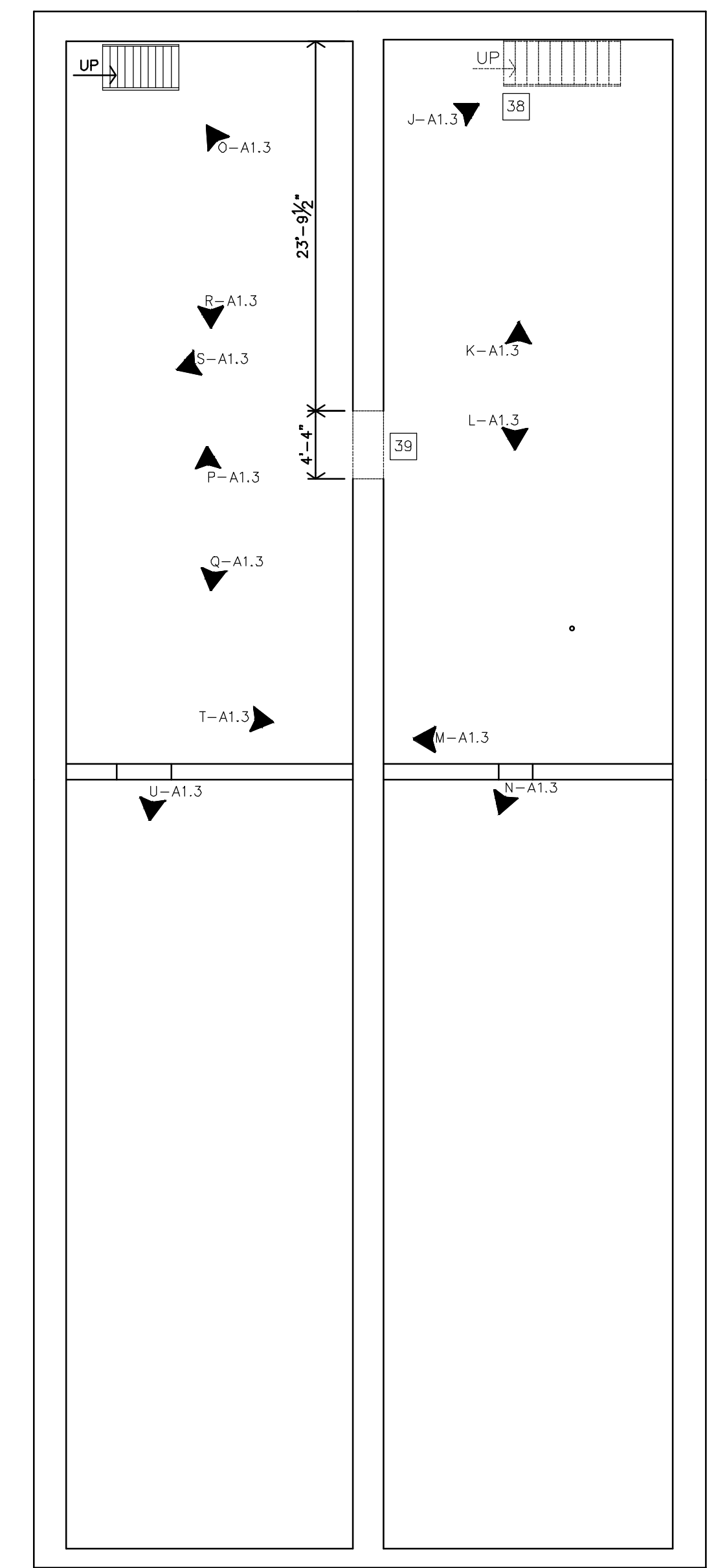
38 REMOVE EXISTING WOOD STAIR.

39 SAW-CUT & REMOVE PARTIAL STRUCTURAL LOAD BEARING MASONRY WALL FOR INSTALLATION OF NEW DOOR/FRAME. INSTALL NEW STRUCTURAL SUPPORTS PER STRUCTURAL DRAWINGS. SHORE EXISTING FLOOR JOISTS PRIOR TO REMOVAL OF WALL.

6-D2.5 PHOTO DESIGNATION

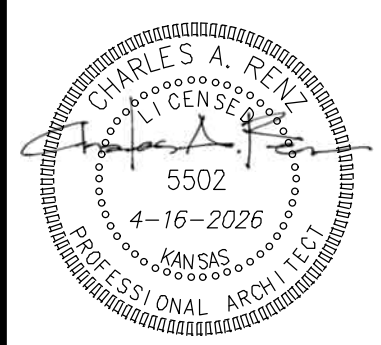
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**B BASEMENT FLOOR PLAN**  
1/8"=1'-0"

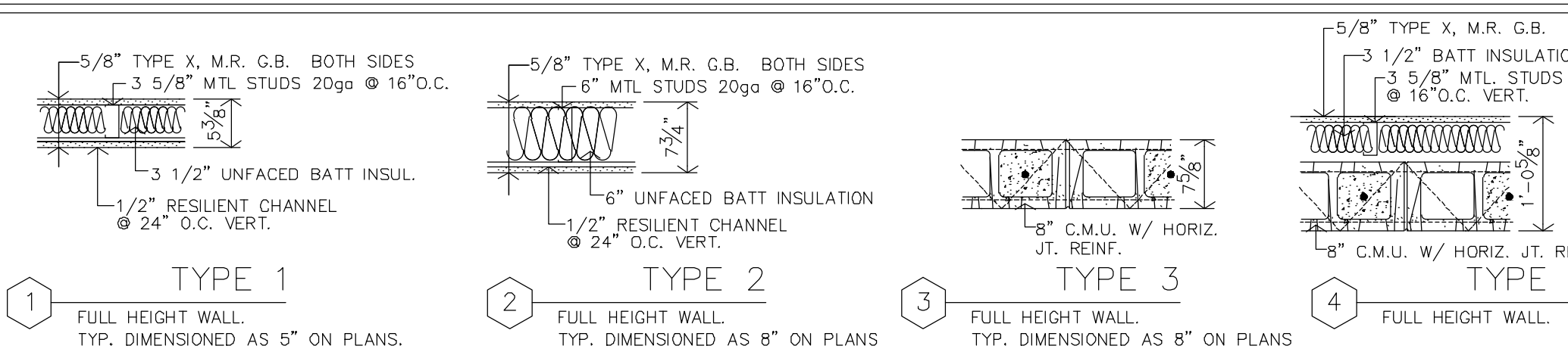
**A BASEMENT FLOOR DEMOLITION PLAN**  
1/8"=1'-0"



REVISION:	
DATE:	4-16-2026
JOB:	25-3508
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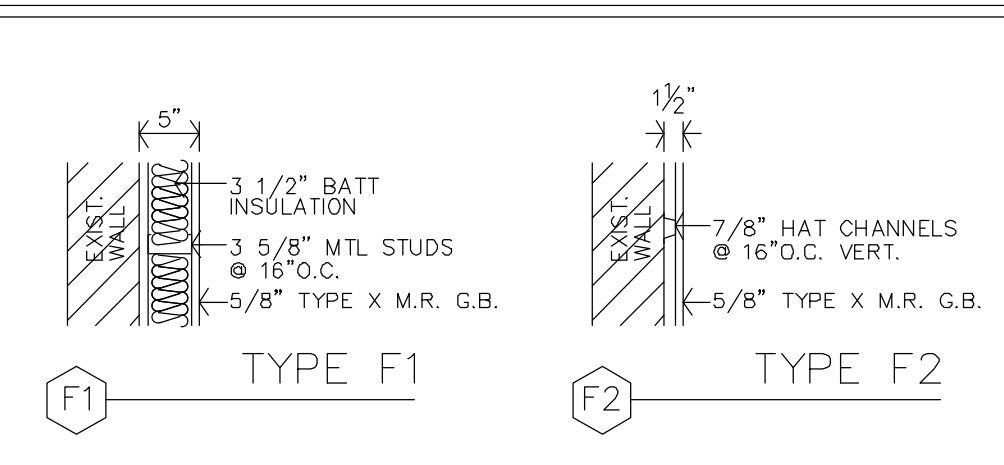
**INTERIOR PARTITION TYPES**

• FIRST FLOOR: EXTEND ALL WALLS TO BOTTOM OF EXISTING SECOND FLOOR DECKING ABOVE.  
• SECOND FLOOR: NON-FULL HEIGHT WALLS. REFERENCE WALL SECTIONS.



**FURRING TYPES**

• EXTEND FURRING TO 6" ABOVE CEILING.

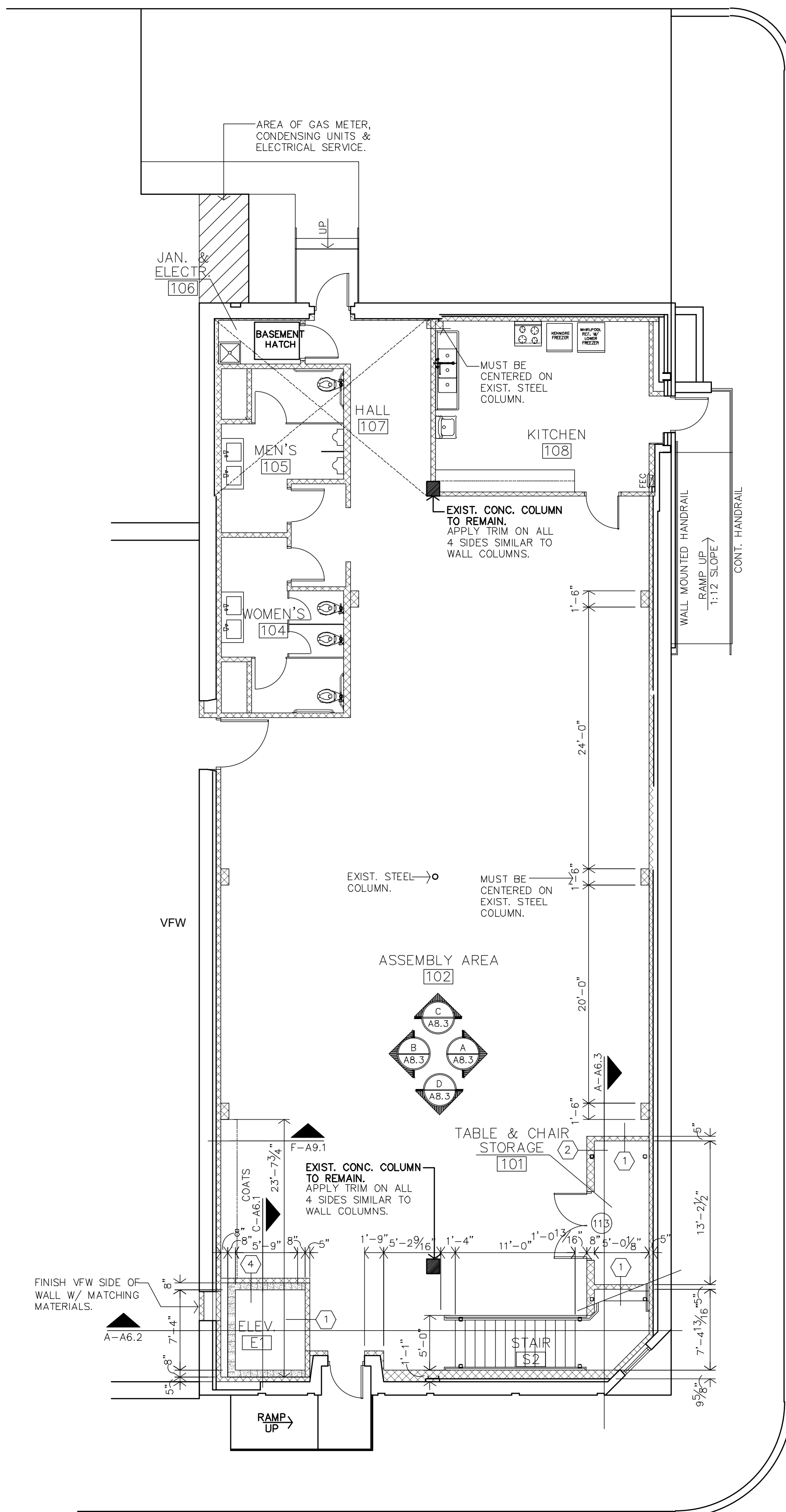


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ALLEY

ALLEY



**DEMOLITION NOTES**

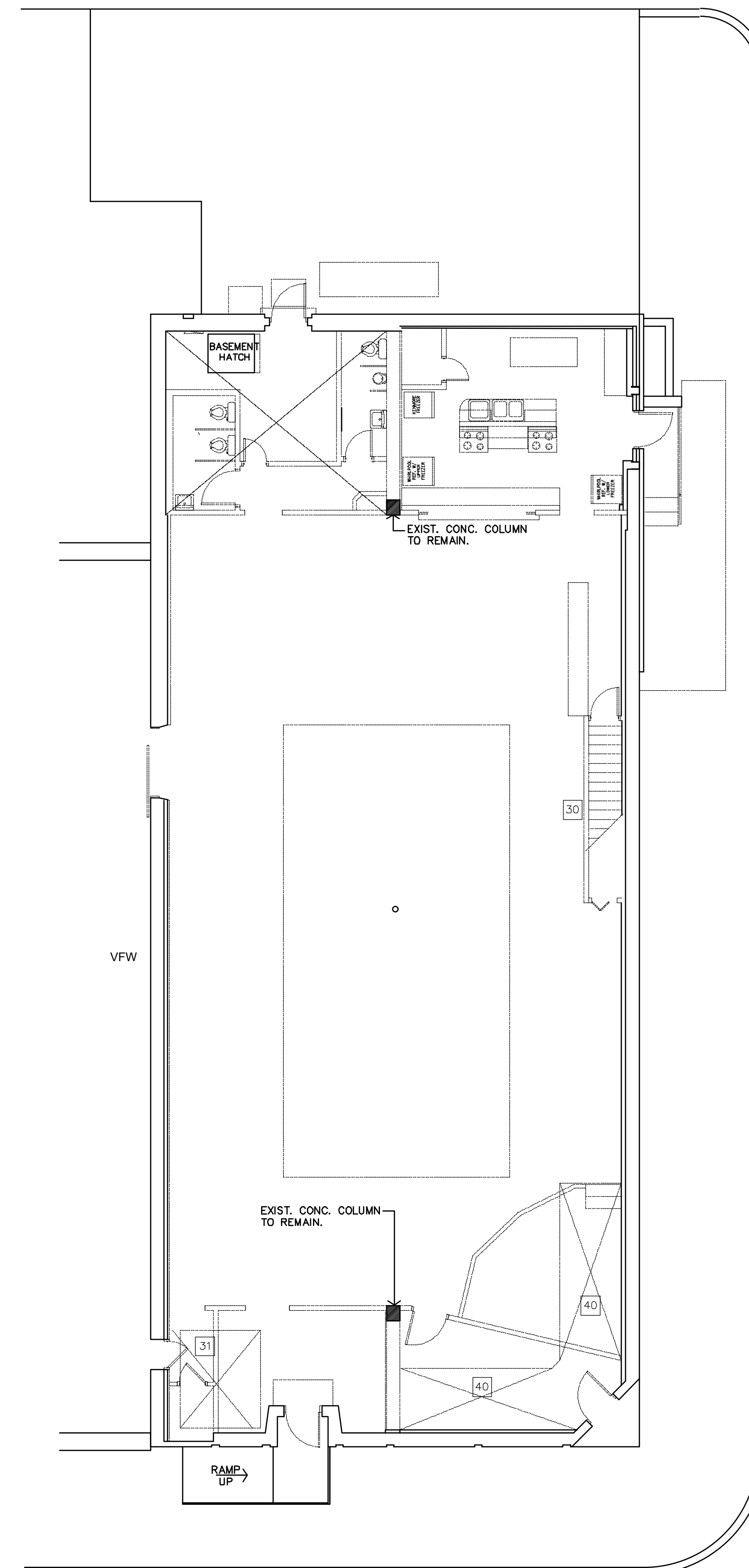
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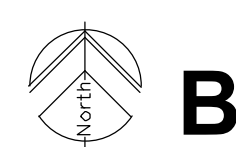
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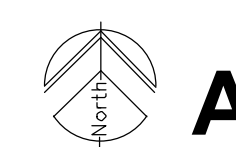


WASHINGTON STREET

WASHINGTON STREET



**B**  
**ALTERNATE #1**  
**FIRST FLOOR PLAN**  
1/8"=1'-0"

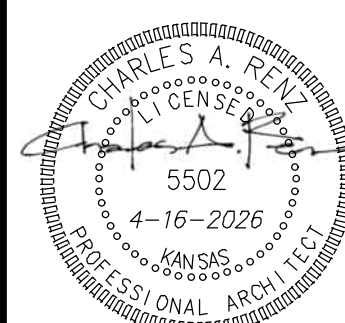


**A**  
**ALTERNATE #1**  
**FIRST FLOOR DEMOLITION PLAN**  
1/8"=1'-0"

**JonesGillamRenz**  
1881 Main Street, Suite 301  
Kansas City, MO 64108  
785.827.0386  
jgr@jgarchitects.com



**CLYDE COMMUNITY HALL**  
**RENOVATION**  
**CLYDE,**  
**KANSAS**



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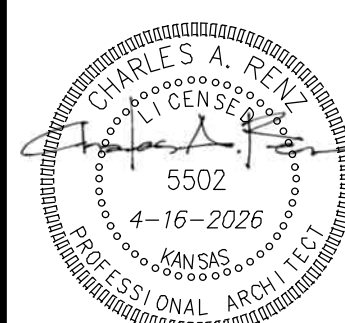
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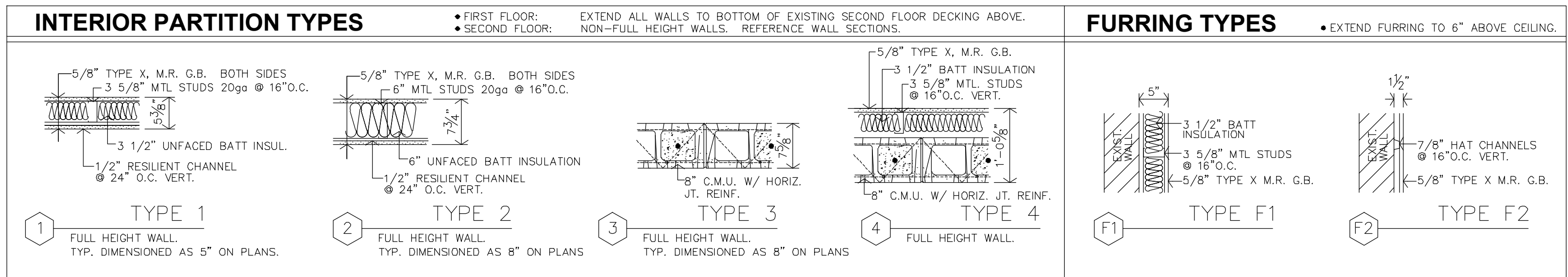
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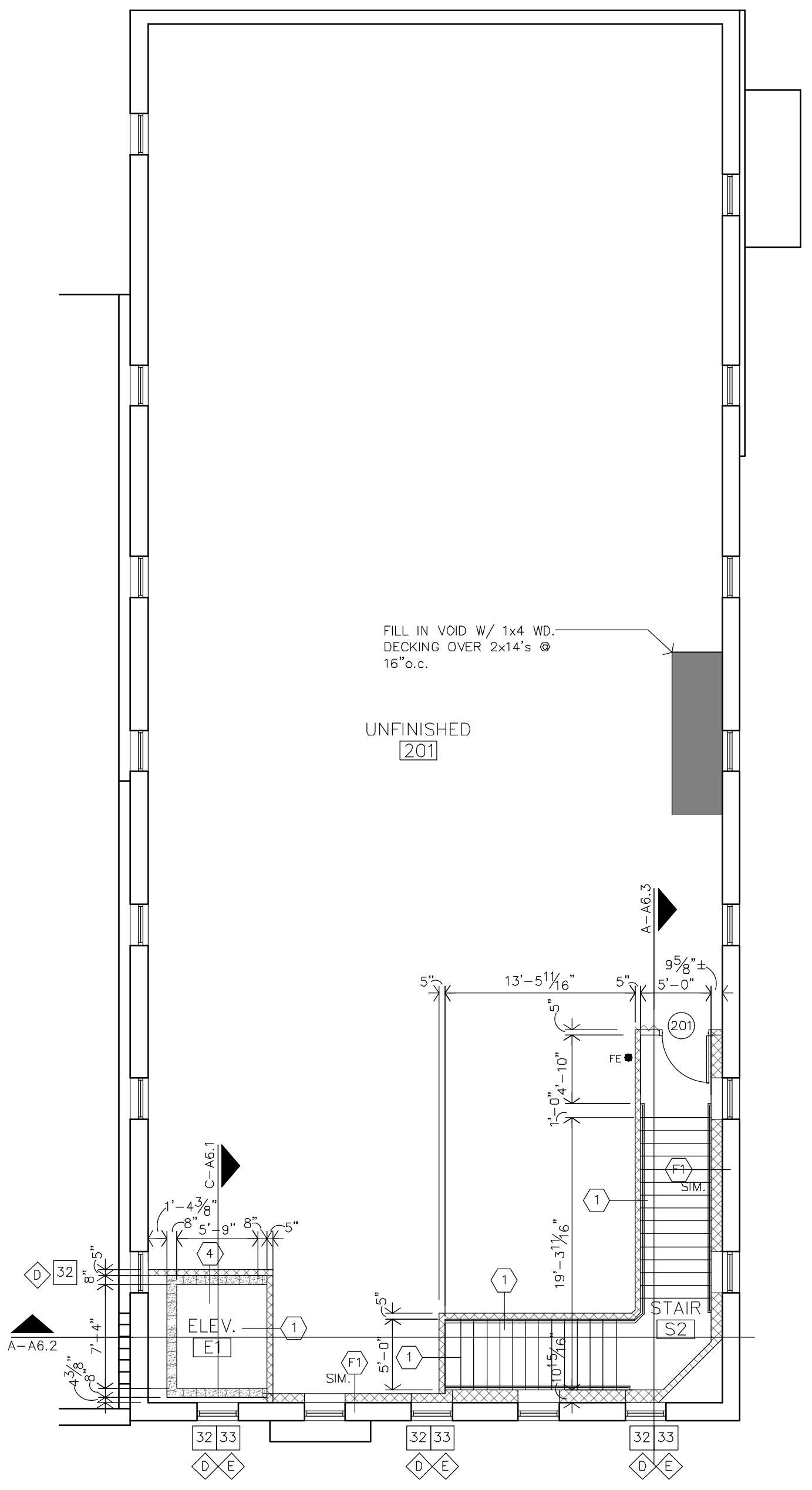
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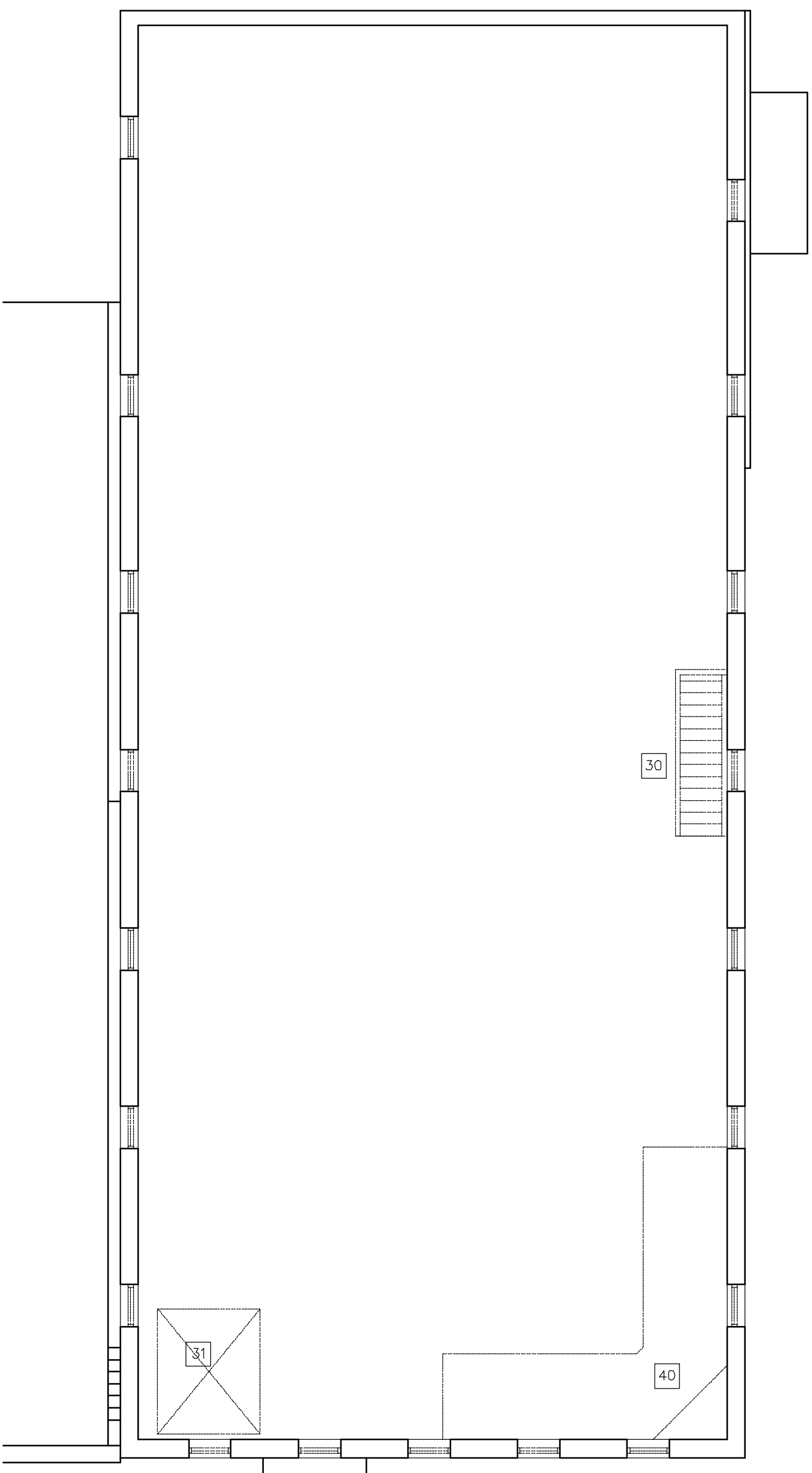
**32** REMOVE EXISTING WOOD WINDOW UNIT TO FRAMED/MASONRY OPENING. EXISTING UPPER METAL HEAD & BOTTOM METAL HORIZONTAL SILL PIECES TO REMAIN & BE PAINTED. INSTALL NEW FIXED FIBERGLASS INSULATED WINDOW UNITS W/ WATERTIGHT CONDITION. (ALTERNATE #1: SPANDREL GLASS)

**33** REMOVE EXISTING HIGHEST WOOD WINDOW UNIT TO FRAMED/MASONRY OPENING. EXISTING UPPER METAL HEAD & BOTTOM METAL HORIZONTAL SILL PIECES TO REMAIN & BE PAINTED. INSTALL NEW FIXED FIBERGLASS INSULATED WINDOW UNITS W/ WATERTIGHT CONDITION. (ALTERNATE #1: SPANDREL GLASS)

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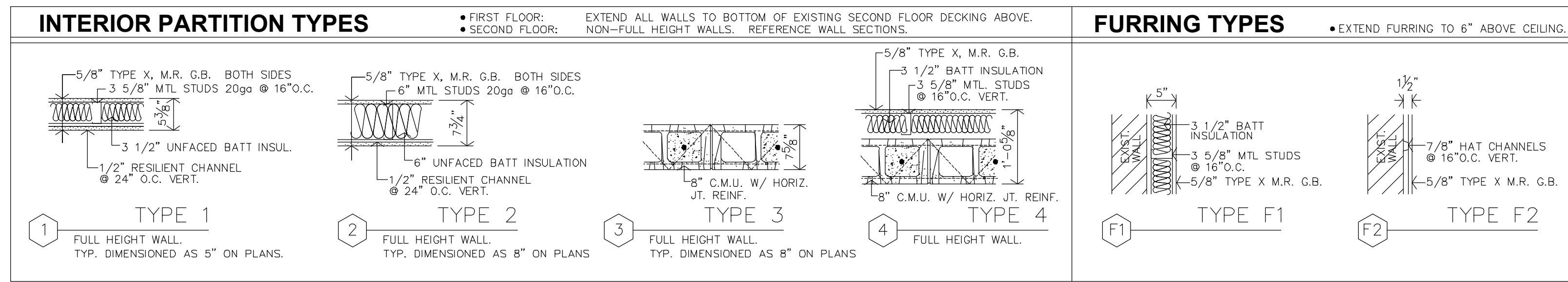
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**B** ALTERNATE #1  
SECOND FLOOR PLAN  
1/8"=1'-0"

**A** ALTERNATE #1  
SECOND FLOOR DEMOLITION PLAN  
1/8"=1'-0"



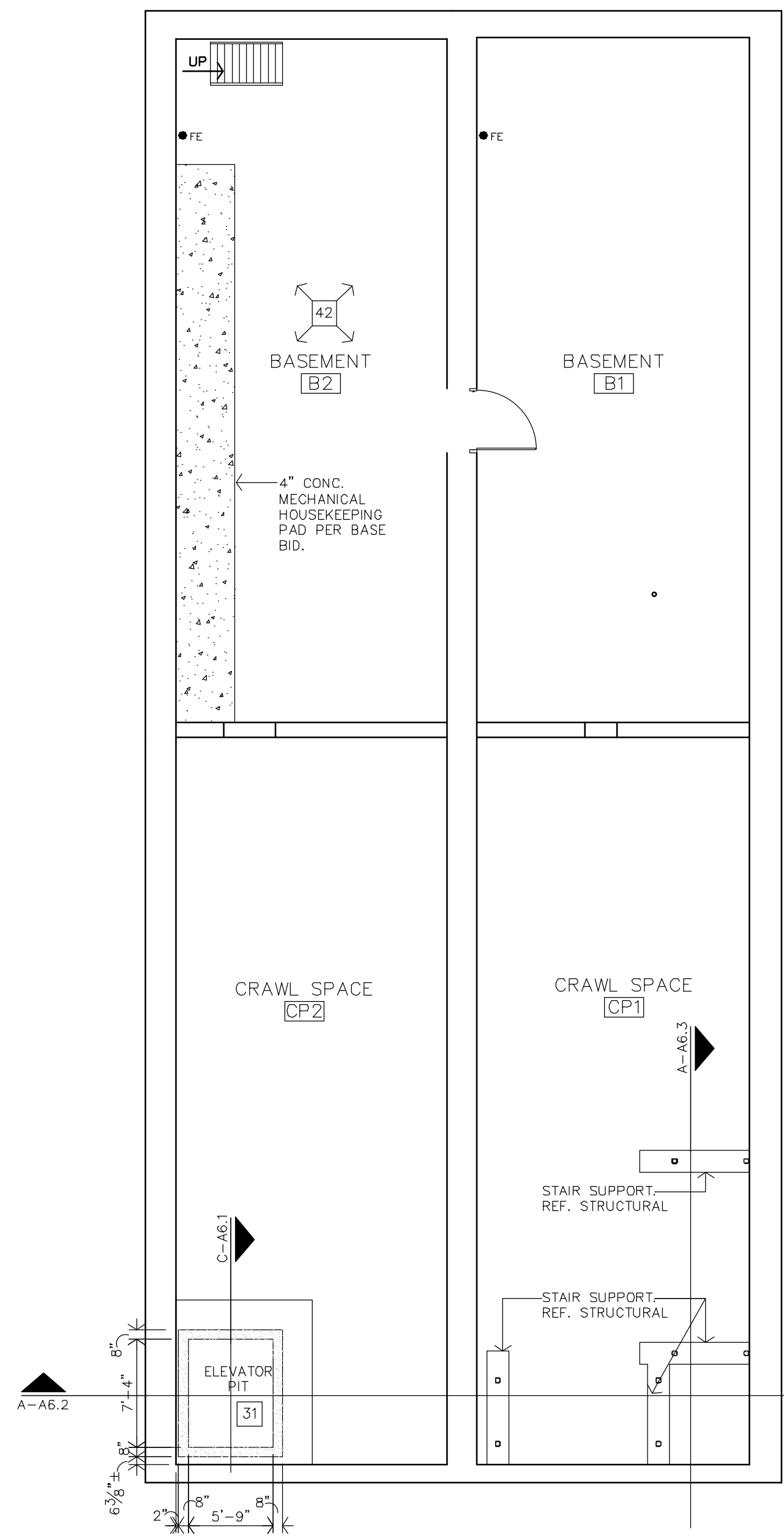
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**B** ALTERNATE #1 & #2  
BASEMENT FLOOR PLAN  
1/8"=1'-0"

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**GENERAL**

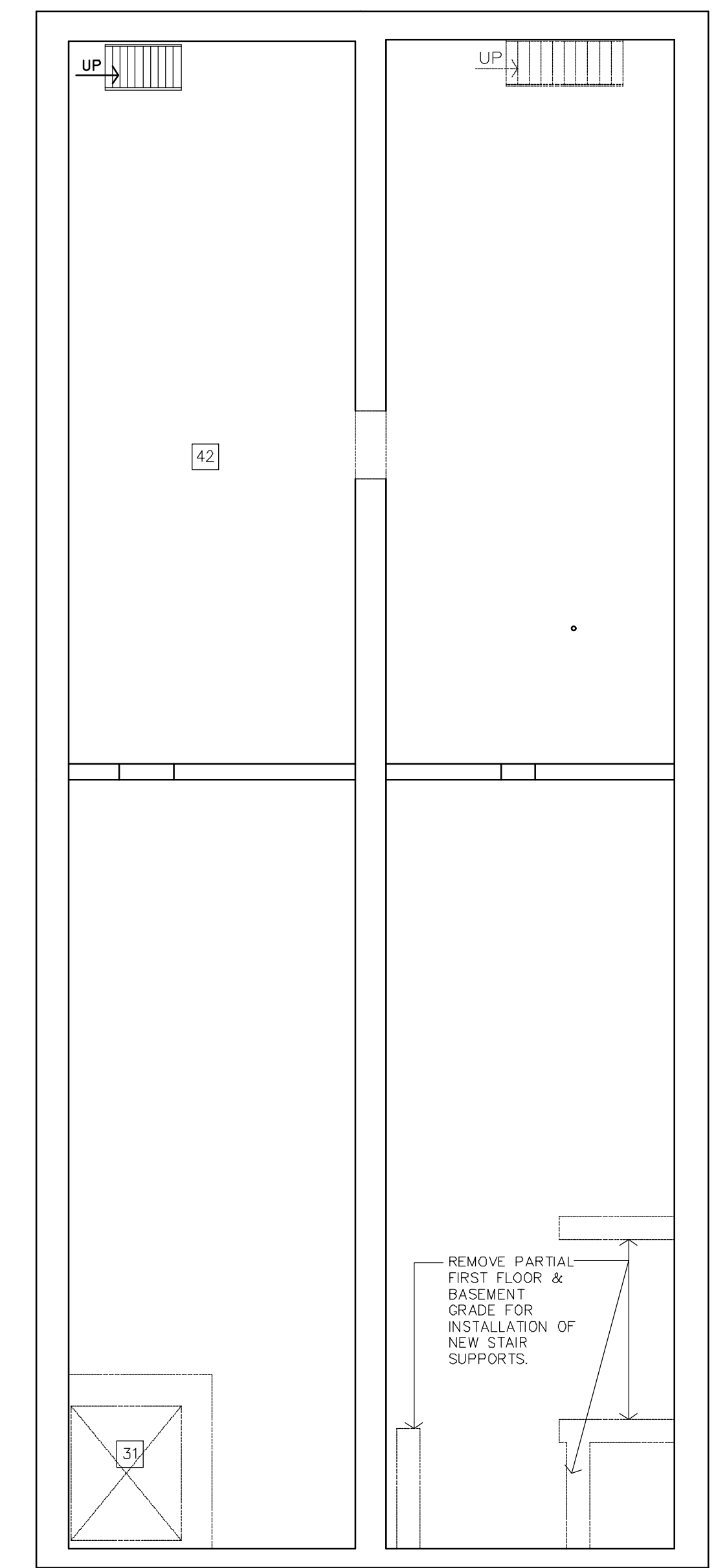
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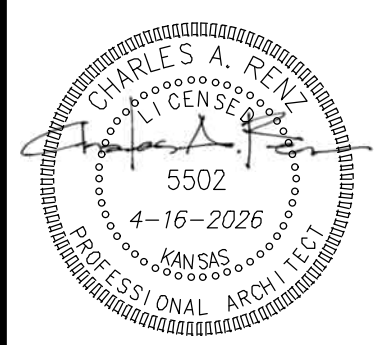
**42** ALTERNATE #2: IN BASEMENT #B2 - REMOVE EXISTING SOIL TO WHERE IS 8" BELOW ADJACENT BASEMENT #B1 SLAB. INSTALL 4" SAND BASE, 15 MIL VAPOR BARRIER & 4" CONCRETE SLAB.

**ARCHITECTURAL GENERAL NOTES**

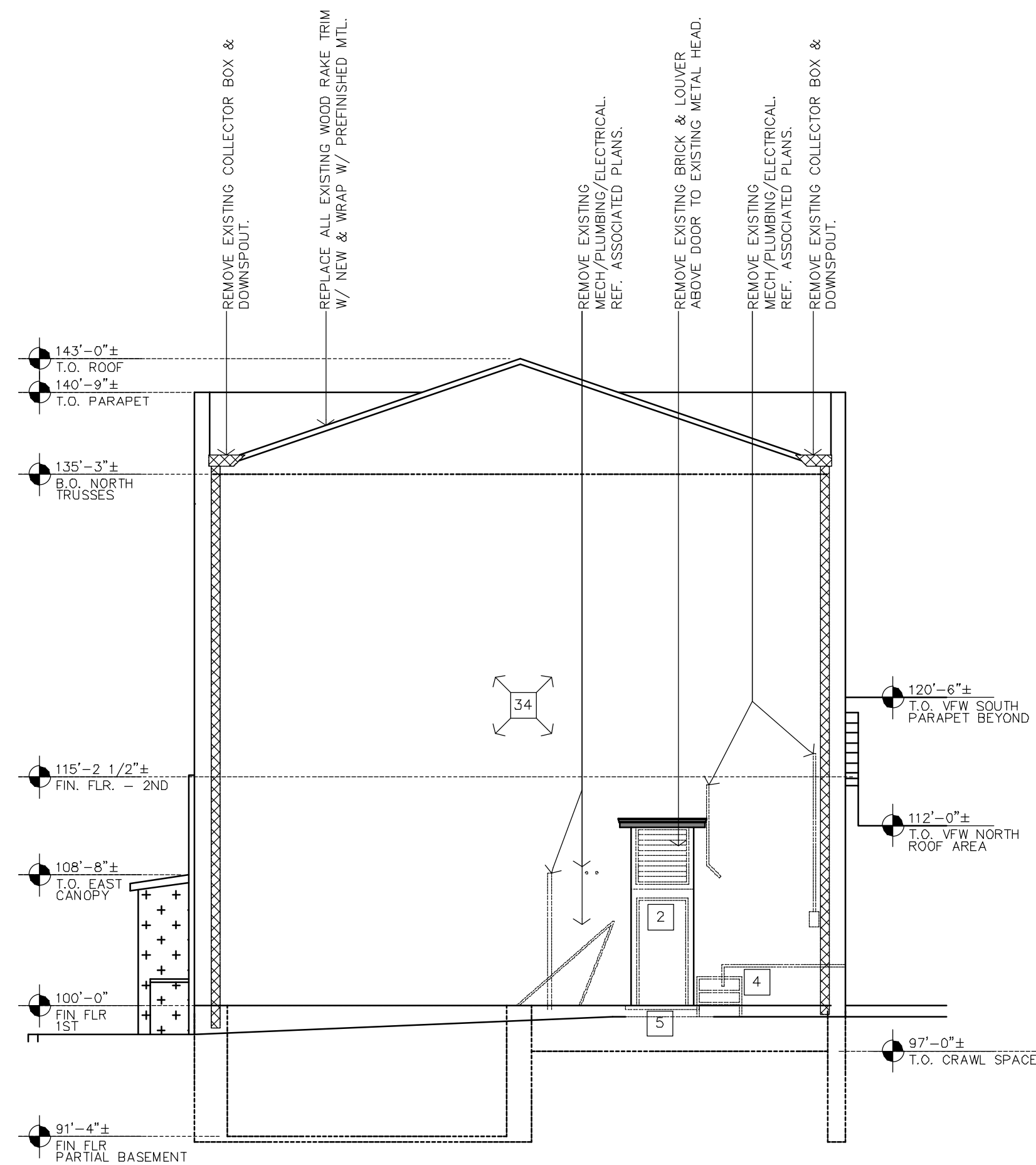
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BASEMENT FLOOR DEMOLITION PLAN  
1/8"=1'-0"



REVISION:	
DATE:	4-16-2026
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**D** DEMOLITION NORTH/REAR ELEVATION  
1/8"=1'-0"



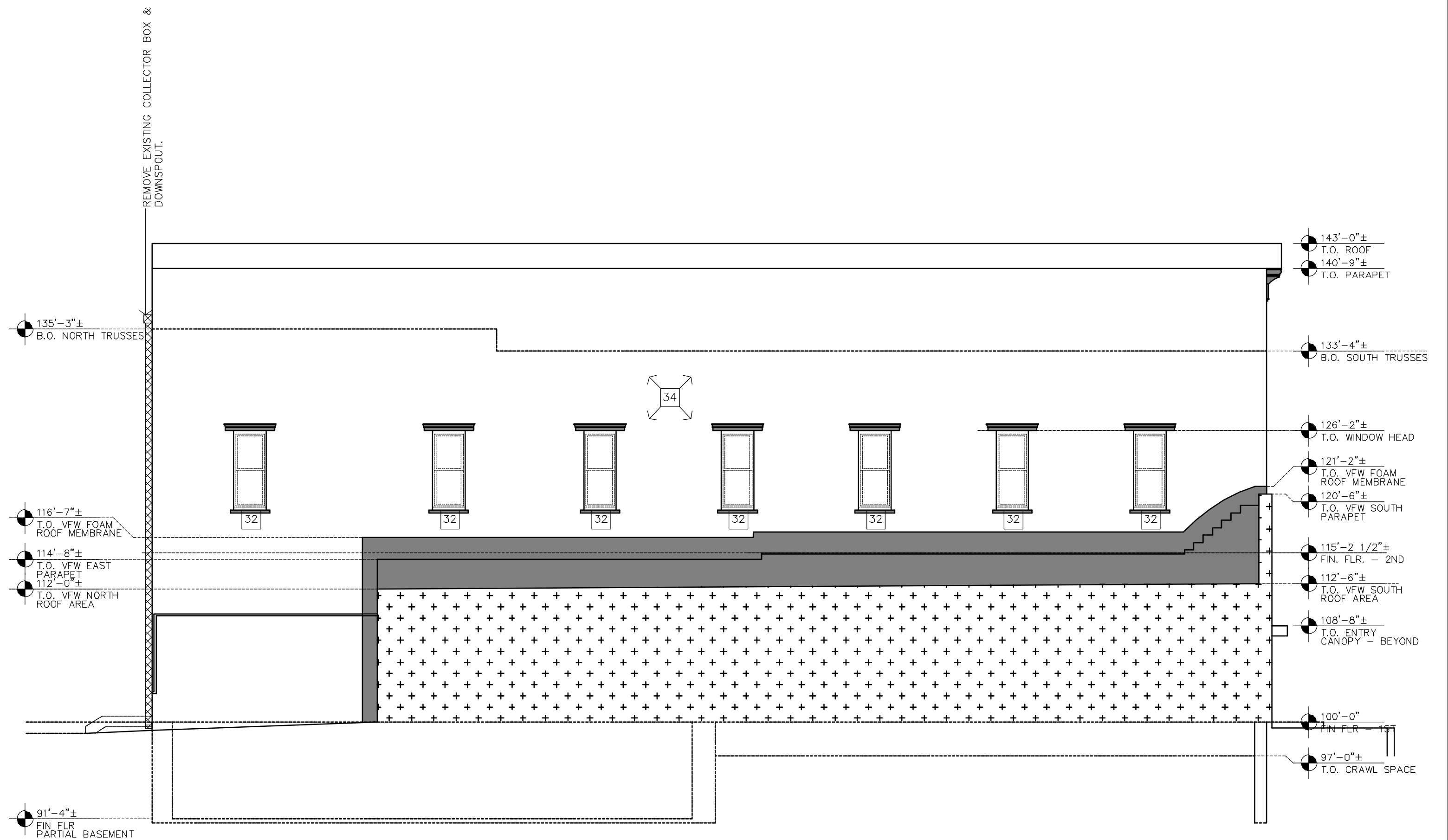
**B** DEMOLITION SOUTH/FRONT ELEVATION  
1/8"=1'-0"

**DEMOLITION NOTES**

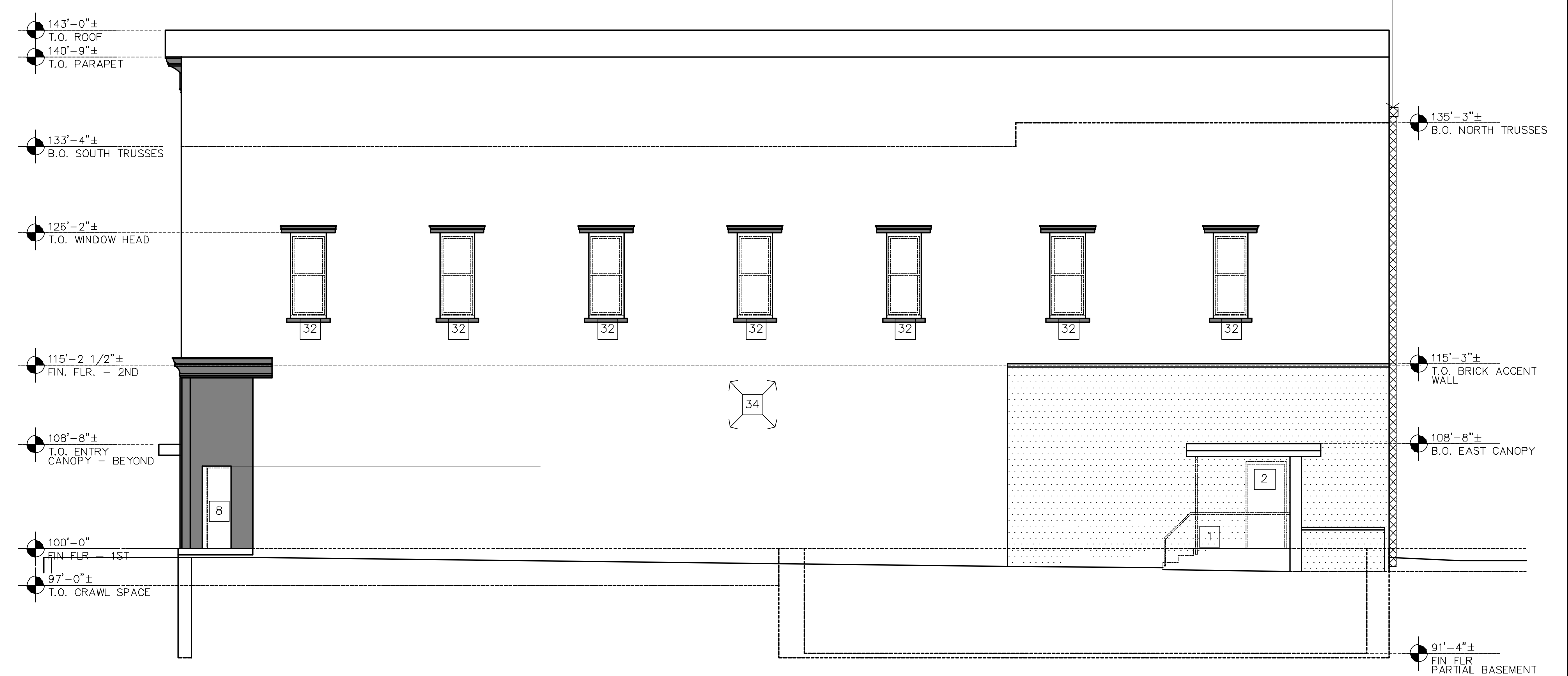
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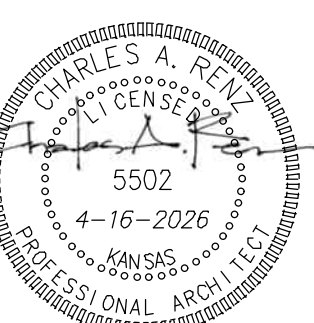
- SAW-CUT & REMOVE EXISTING CONC. SIDEWALK AS WELL AS EXISTING CONCRETE RAMP & ASSOCIATED RAILING. INSTALL TEMPORARY STRUCTURAL SUPPORT FOR SOUTH SIDE OF EXISTING AWNING PRIOR TO DEMOLITION. INSTALL NEW CONCRETE RAMP, RAILING & STRUCTURAL AWNING SUPPORT.
- REMOVE EXISTING H.M. DOOR, FRAME & HARDWARE. INSTALL NEW H.M. DOOR, FRAME & HARDWARE. PAINT DOOR & FRAME.
- RELOCATE EXISTING GAS METERS, UNDERGROUND & ABOVE GROUND PIPING & STEEL RAILING. REF. MECH. PLANS.
- SAW-CUT & REMOVE EXISTING CONCRETE SLAB TO BE FLUSH WITH EXTERIOR WALL.
- REMOVE EXISTING H.M. DOOR, FRAME & HARDWARE. INSTALL NEW ALUMINUM DOOR, FRAME & AUTO OPENER SYSTEM.
- REMOVE EXISTING H.M. DOOR, FRAME & HARDWARE. FILL IN VOID WITH FIBERGLASS WINDOW UNIT (SPANDREL GLASS) OVER AIR SPACE OVER 3 5/8" MTL. STUDS, OVER 5/8" G.B. (FLUSH WITH INTERIOR WALL).
- ALTERNATE #1: TAKE CARE IN CUTTING & REMOVAL OF EXISTING WOOD DECKING & FLOOR JOISTS (FIRST & SECOND FLOORS) FOR INSTALLATION OF NEW ELEVATOR OPENING. SHORE EXISTING FLOOR JOISTS PRIOR TO CUTTING. INSTALL NEW CMU ELEVATOR SHAFT WALLS WITH ASSOCIATED OPENINGS & PIT. REFERENCE STRUCTURAL. INSTALL METAL STUD FRAMING IN FUTURE DOORWAY OPENINGS. INSTALL NEW FINISHES OVER CMU WALLS.
- REMOVE EXISTING WOOD WINDOW UNIT TO FRAMED/MASONRY OPENING. EXISTING UPPER METAL HEAD & BOTTOM METAL HORIZONTAL SILL PIECES TO REMAIN & BE PAINTED. INSTALL NEW FIXED FIBERGLASS INSULATED WINDOW UNITS W/ WATERTIGHT CONDITION. (ALTERNATE #1: SPANDREL GLASS)
- REMOVE EXISTING HIGHEST WOOD WINDOW UNIT TO FRAMED/MASONRY OPENING. EXISTING UPPER METAL HEAD & BOTTOM METAL HORIZONTAL SILL PIECES TO REMAIN & BE PAINTED. INSTALL NEW FIXED FIBERGLASS INSULATED WINDOW UNITS W/ WATERTIGHT CONDITION. (ALTERNATE #1: SPANDREL GLASS)
- TUCKPOINT & REPAIR ENTIRE EXTERIOR BRICK MASONRY WALL.
- WRAP ENTIRE EXISTING ENTRY CANOPY SIDES & BOTTOM W/ PREFINISHED METAL. INSTALL NEW METAL ROOF PANEL OVER EXISTING W/ NEW PRESSURE BAR FLASHING AT MASONRY WALL.



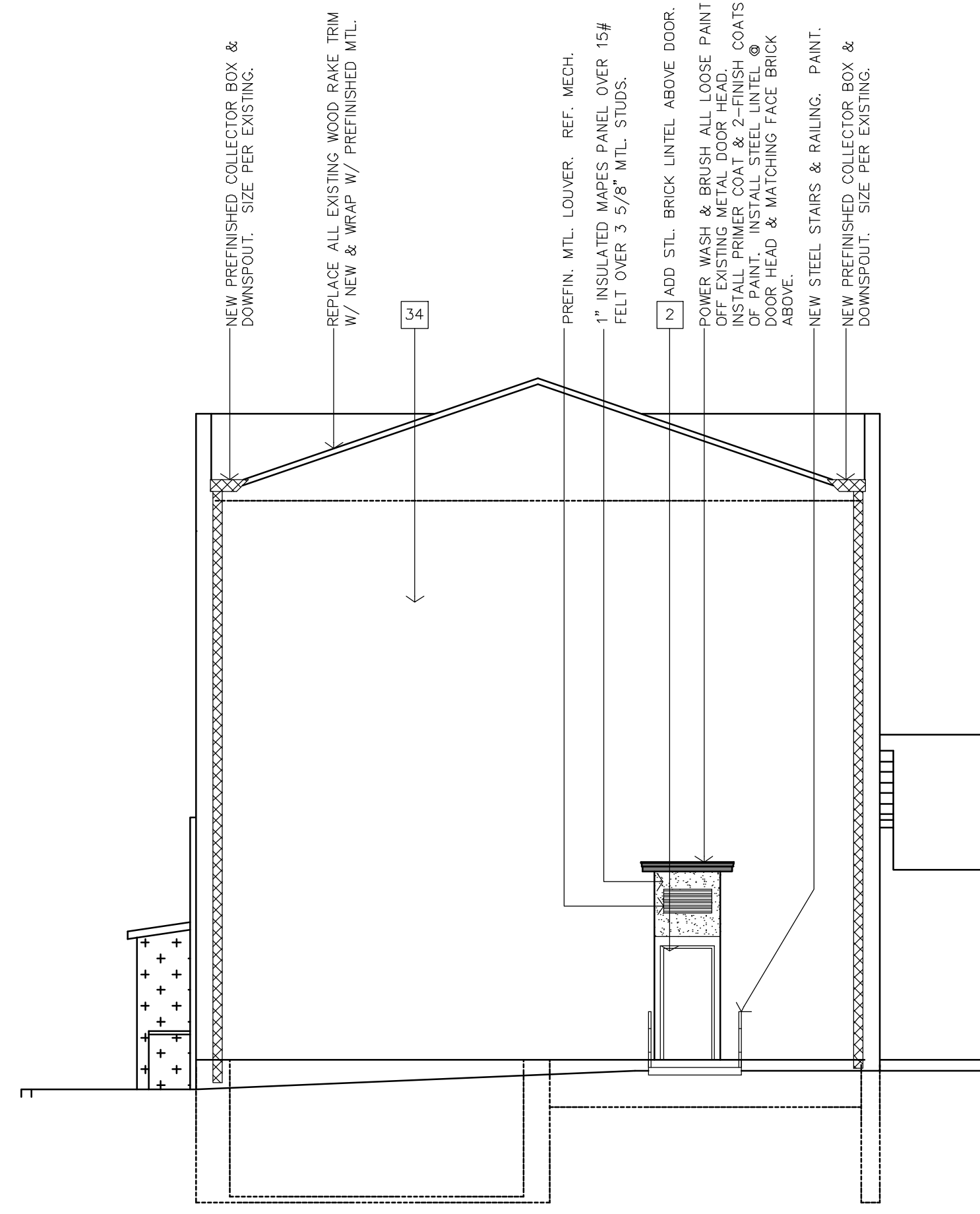
**C** DEMOLITION WEST/SIDE ELEVATION  
1/8"=1'-0"



**A** DEMOLITION EAST/SIDE ELEVATION  
1/8"=1'-0"



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**D NORTH/REAR ELEVATION**  
1/8"=1'-0"



**B SOUTH/FRONT ELEVATION**  
1/8"=1'-0"

**GENERAL NOTES, REGARDING TUCKPOINTING**  
Reference Specifications & General Notes

- PROTECTION**  
Remove wall attachments and associated hardware on or adjacent to masonry and prepare for Tuckpointing.
- Provide temporary protection or barriers to protect occupants and visitors during work.
  - Protect new and/or to remain items; windows, stairs, utilities, etc. during work.
- PREPARATION**  
All masonry surfaces shall be washed with pressurized water, approximately 1,000 psi, to remove all dust, dirt and residue from surface areas, leaving in a reasonably clean, bright form.
- REPOINTING MASONRY**  
A careful inspection of all mortar joints shall be completed.
- Joints are defective if:
- Holes and missing mortar.
  - Cracks that can be penetrated 1/4 inch (6 mm) or more by a knife blade 0.027 inch (0.7 mm) thick.
  - Cracks 1/16 inch (1.6 mm) or more in width and of any depth.
  - Hollow-sounding joints when tapped by metal object.
  - Eroded surfaces 1/4 inch (6 mm) or more deep.
  - Deterioration to point that mortar can be easily removed by hand, without tools.
  - Joints filled with substances other than mortar.

- Do not rake out and repoint joints where not indicated, required or instructed. Rake out joints as follows, according to procedures demonstrated in approved mockup:
- Remove mortar from joints to 2 times joint width, but not less than 3/4 inch (20 mm) or not less than that required to expose sound, unweathered mortar. Do not remove unsound mortar more than 2 inches (50 mm) deep; consult Architect or Engineer for direction.
  - Remove mortar from masonry surfaces within raked-out joints to provide reveals with square backs and to expose masonry for contact with pointing mortar. Brush, vacuum, or flush joints to remove dirt and loose debris.
  - Do not spall edges of masonry units or widen joints. Replace or patch damaged masonry units as directed by Architect.
- Notify Architect of unforeseen detrimental conditions including voids in mortar joints, cracks, loose masonry units, rotted wood, rusted metal, and other deteriorated items.

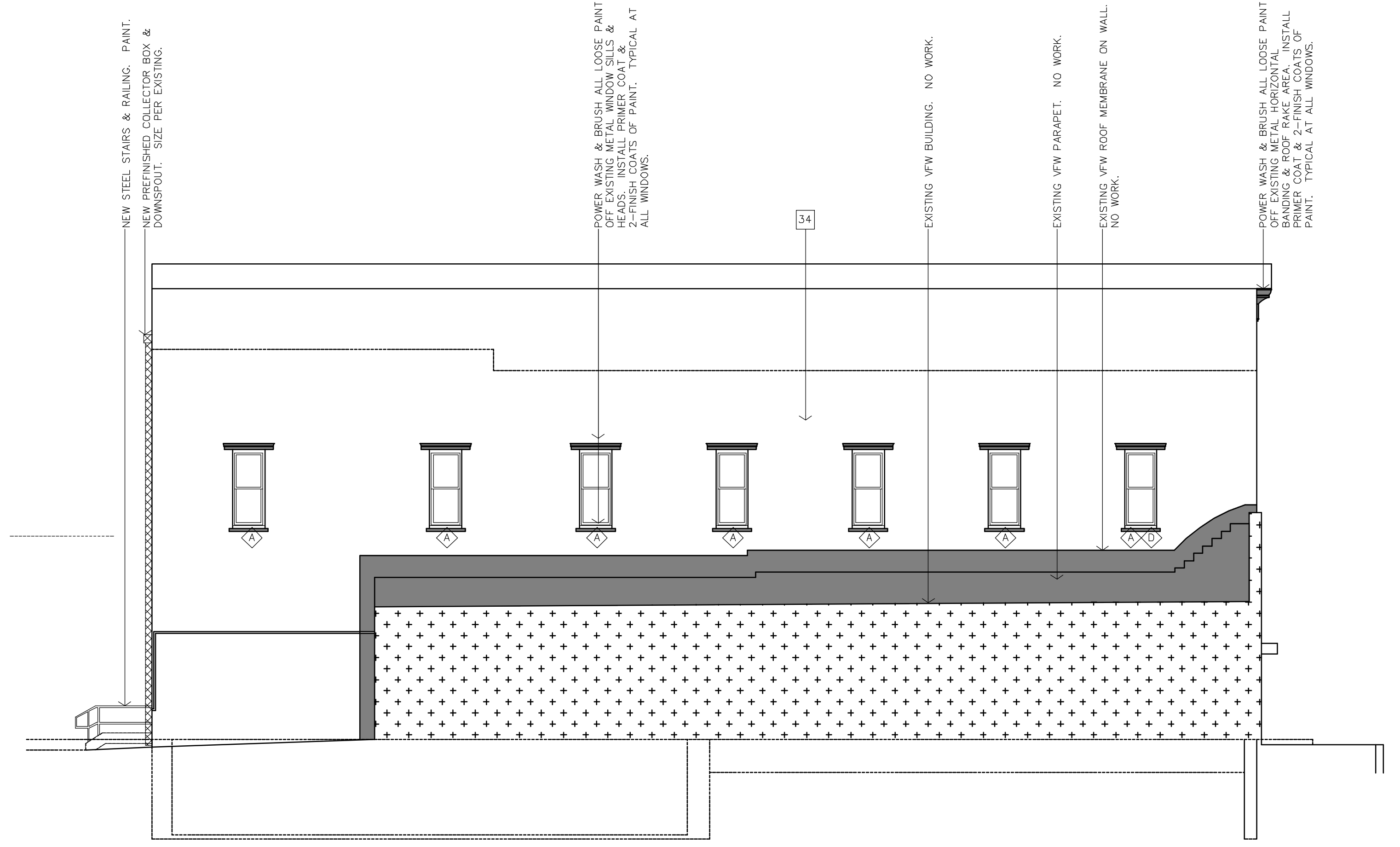
- POINTING WITH MORTAR**
- Rinse joint surfaces with water to remove dust and mortar particles. Time rinsing application so, at time of pointing, joint surfaces are damp but free of standing water. If rinse water dries, dampen joint surfaces before pointing.
  - New mortar shall be non-staining, non-shrinking, Type "N" masonry pointing mortar, colored and tooled to match the adjacent joints in appearance as closely as possible.
  - Apply pointing mortar first to areas where existing mortar was removed to depths greater than surrounding areas. Apply in layers not greater than 3/8 inch (9 mm) until a uniform depth is formed. Fully compact each layer, and allow it to become thumbprint hard before applying next layer.
  - After deep areas have been filled to same depth as remaining joints, point joints by placing mortar in layers not greater than 3/8 inch (9 mm). Fully compact each layer and allow to become thumbprint hard before applying next layer. Where existing masonry units have worn or rounded edges, slightly recess finished mortar surface below face of masonry to avoid widened joint faces. Take care not to spread mortar beyond joint edges onto exposed masonry surfaces or to feather edge the mortar.
  - When mortar is thumbprint hard, tool joints to match original appearance of joints as demonstrated in approved mockup. Remove excess mortar from edge of joint by brushing.
  - Cure mortar by maintaining in thoroughly damp condition for at least 72 consecutive hours, including weekends and holidays.

- Hairline cracking within mortar or mortar separation at edge of a joint is unacceptable. Completely remove such mortar and repoint. Where repointing work precedes cleaning of existing masonry, allow mortar to harden at least 30 days before beginning cleaning work.
- On the northeast corner of the building, the joint between the new brick veneer and the existing building, shall be cleaned of existing mortar material, then resealed with a polyurethane sealant. New sealant shall be tooled to a neat, watertight condition and shall match the adjacent joints in appearance as closely as possible.
  - On the south elevation above the first floor, the transition from the brick of the metal cornice shall have the joint sealed with polyurethane sealant. New sealant shall be tooled to a neat, watertight condition and shall match the metal cornice in color as closely as possible.

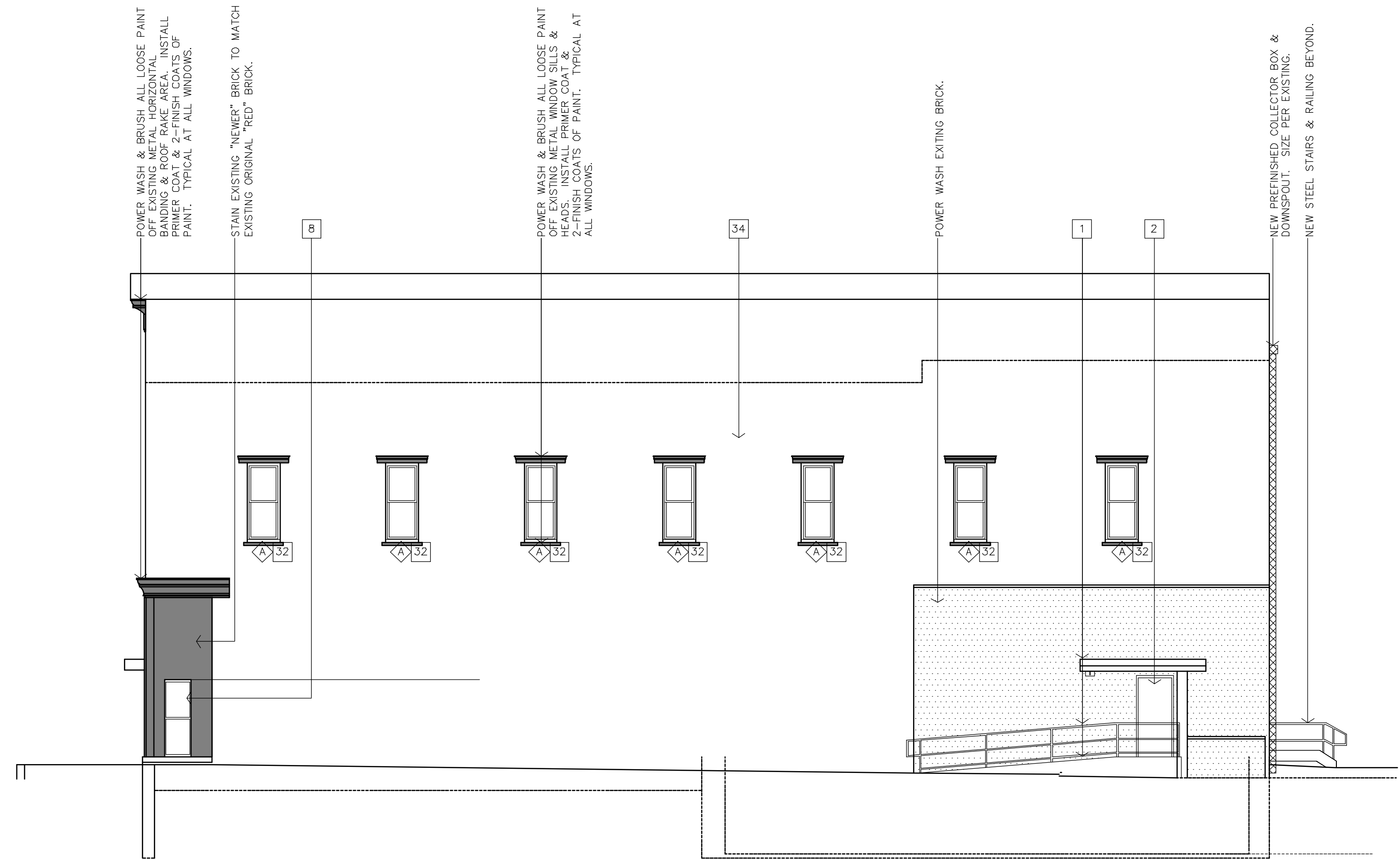
- FINAL CLEANING**  
After mortar has fully hardened, thoroughly clean exposed masonry surfaces of excess mortar and foreign matter; use wood scrapers, stiff-bristle or fiber brushes, and clean water, applied by low pressure spray.
- Do not use metal scrapers or brushes.
  - Do not use acidic or alkaline cleaners.
- After final cleaning has been completed, install water repellent coating over entire exterior masonry walls.

**ARCHITECTURAL GENERAL NOTES**

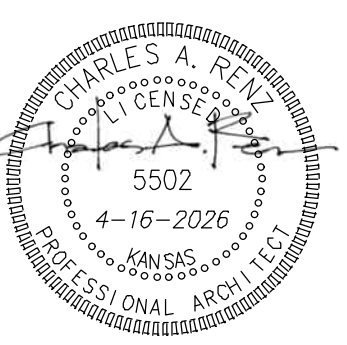
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  - ALL WORK SHALL BE IN CONFORMANCE W/ APPLICABLE BUILDING CODES & ORDINANCES.
  - ALL NEW CONSTRUCTION SHALL BE IN CONFORMANCE TO ADA REQUIREMENTS. REFERENCE ADA FOR TYPICAL MINIMUM CLEARANCE REQ.
  - IF THERE IS A DISCREPANCY BETWEEN DRAWINGS AND FIELD CONDITIONS NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK SO THAT ANY ISSUES MAY BE CLARIFIED.
- SAW-CUT & REMOVE EXISTING CONC. SIDEWALK AS WELL AS EXISTING CONCRETE RAMP & ASSOCIATED RAILING. INSTALL TEMPORARY STRUCTURAL SUPPORT FOR SOUTH SIDE OF EXISTING AWNING PRIOR TO DEMOLITION. INSTALL NEW CONCRETE RAMP, RAILING & STRUCTURAL AWNING SUPPORT.
  - REMOVE EXISTING H.M. DOOR, FRAME & HARDWARE. INSTALL NEW H.M. DOOR, FRAME & HARDWARE. PAINT DOOR & FRAME.
  - REMOVE EXISTING H.M. DOOR, FRAME & HARDWARE. INSTALL NEW ALUMINUM DOOR, FRAME, HARDWARE & AUTO OPENER SYSTEM.
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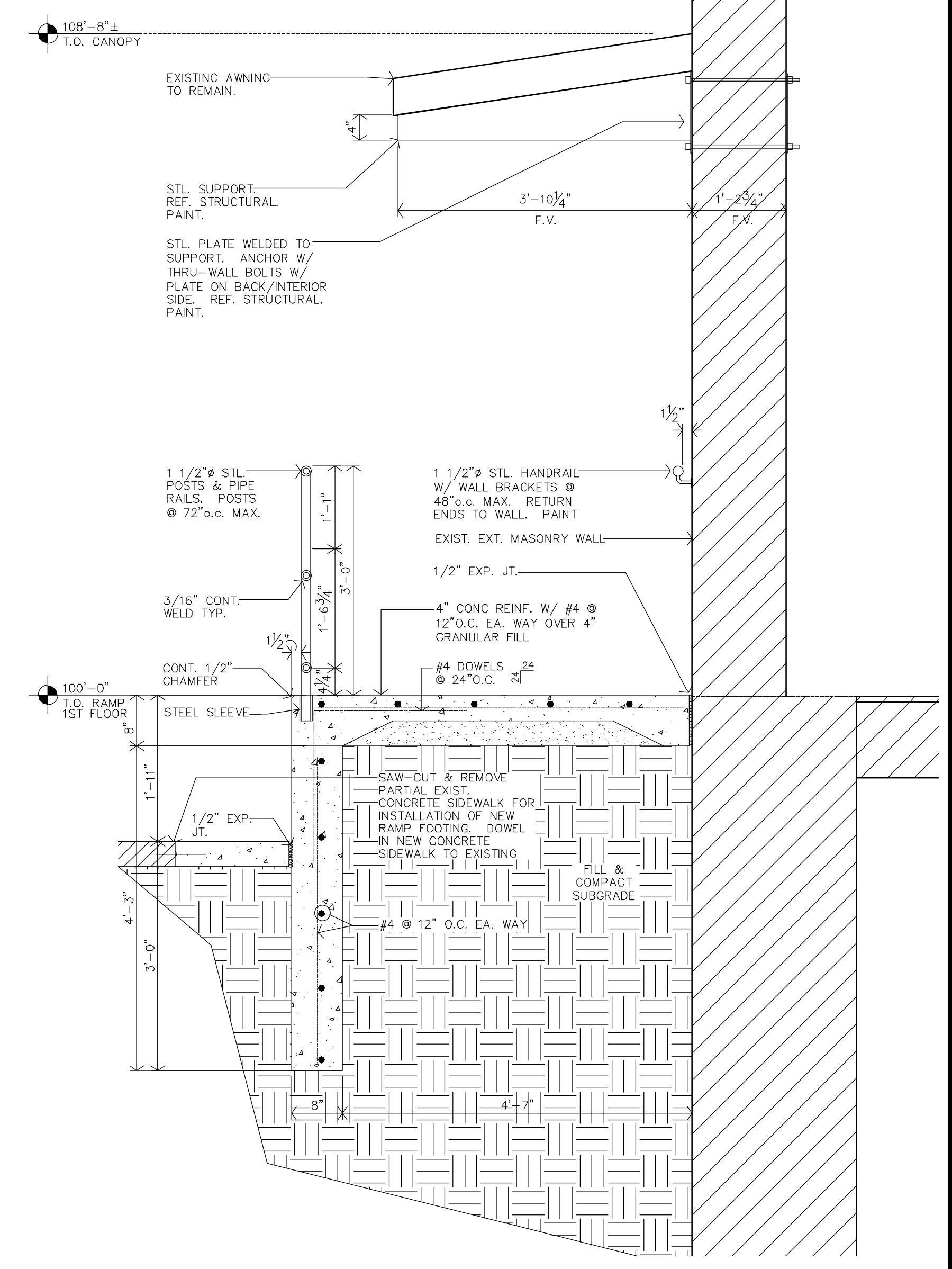
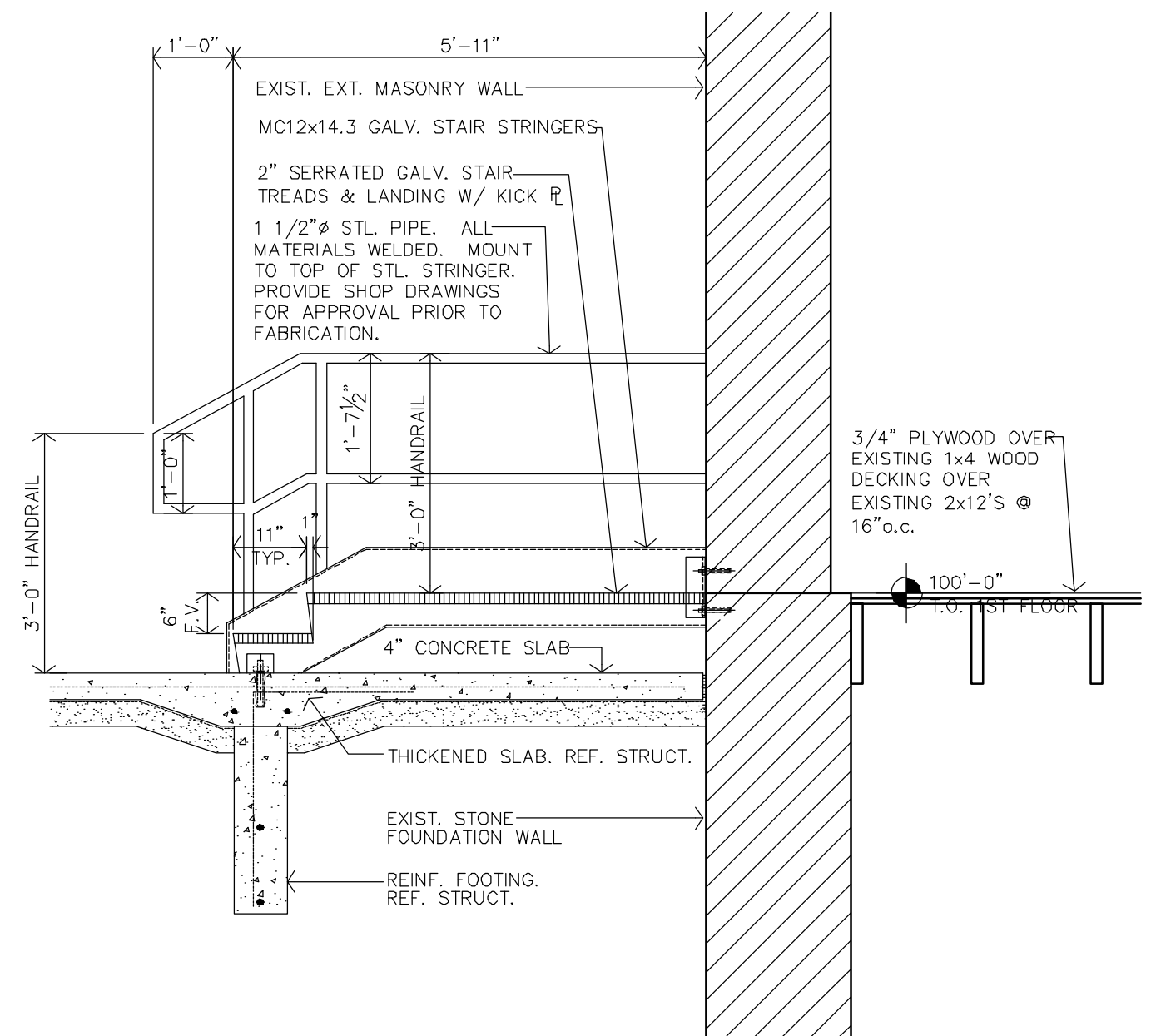
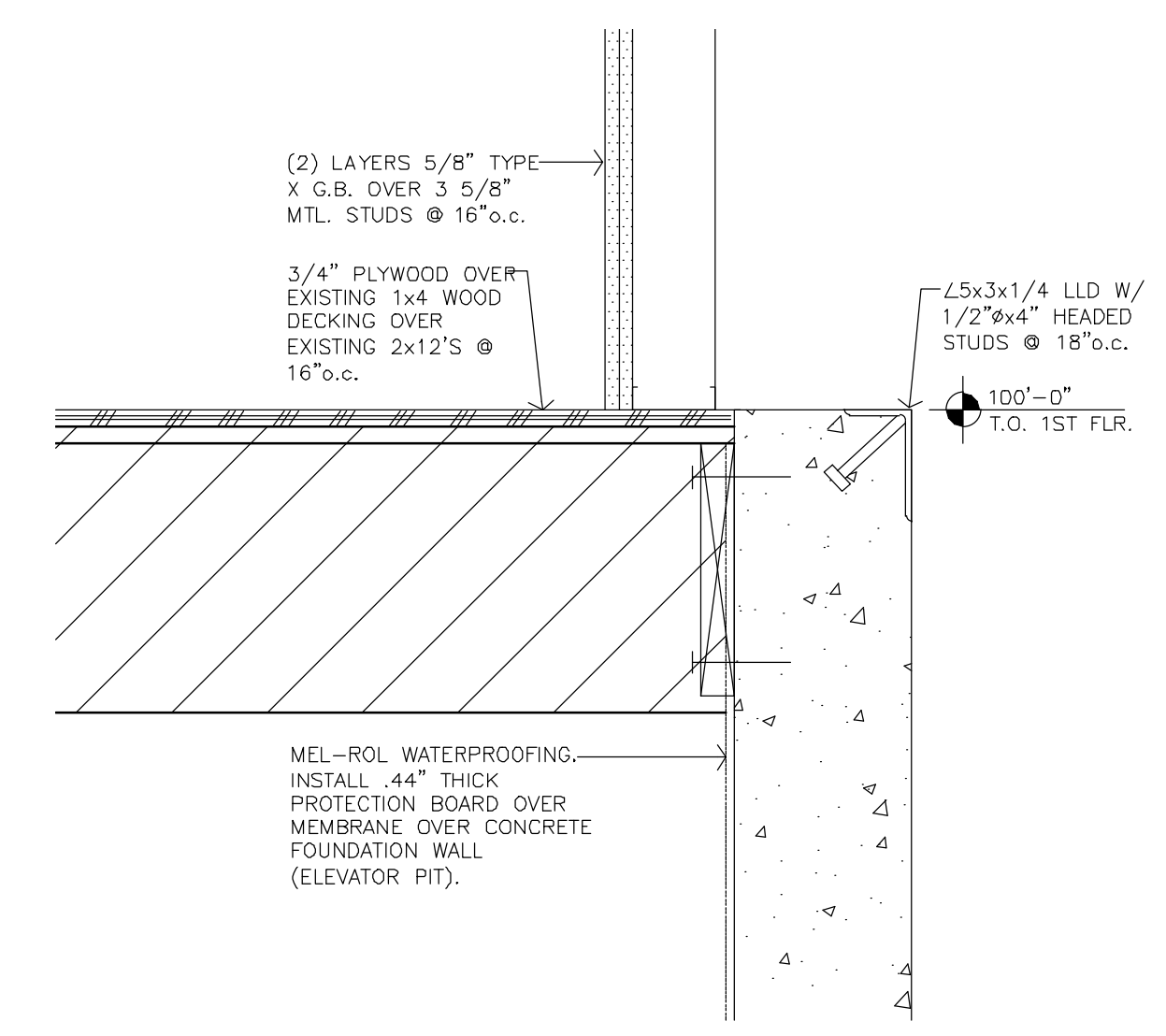
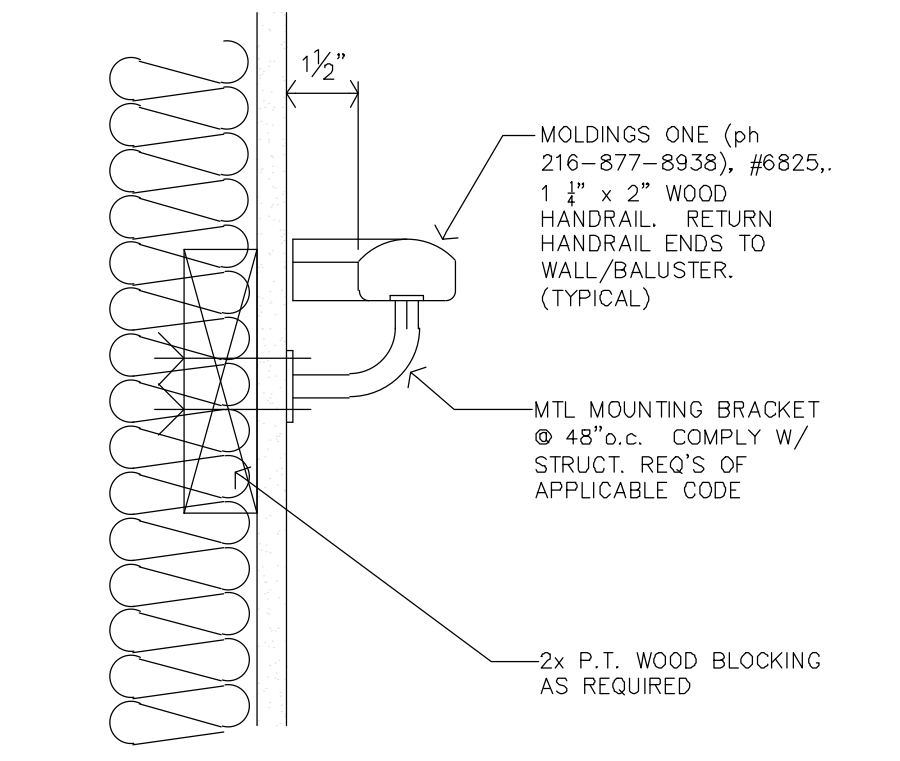
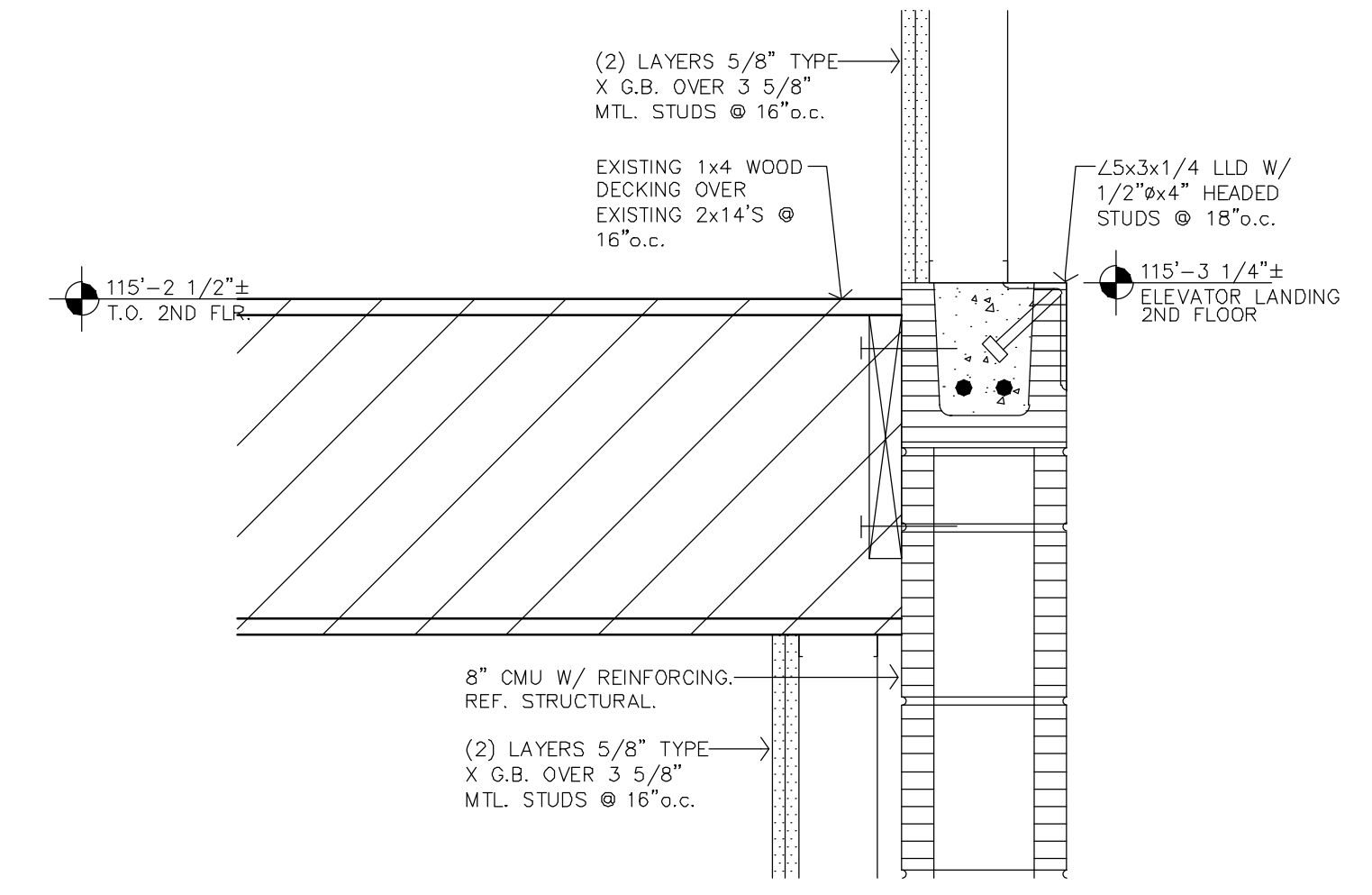
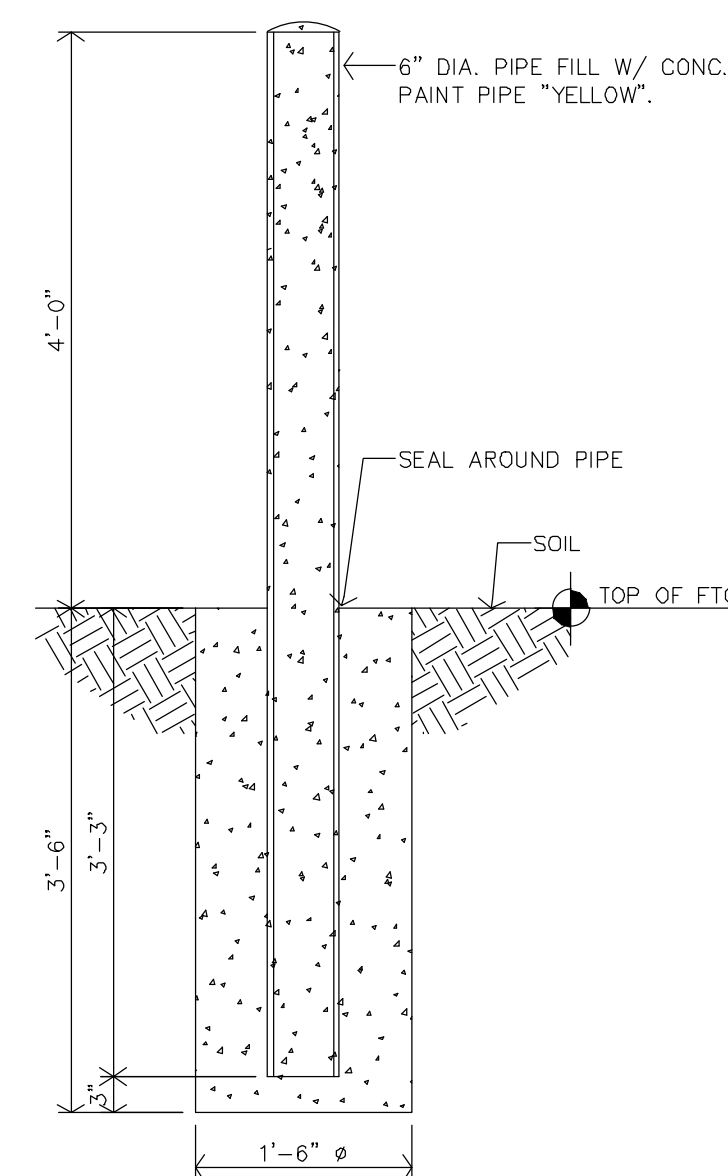
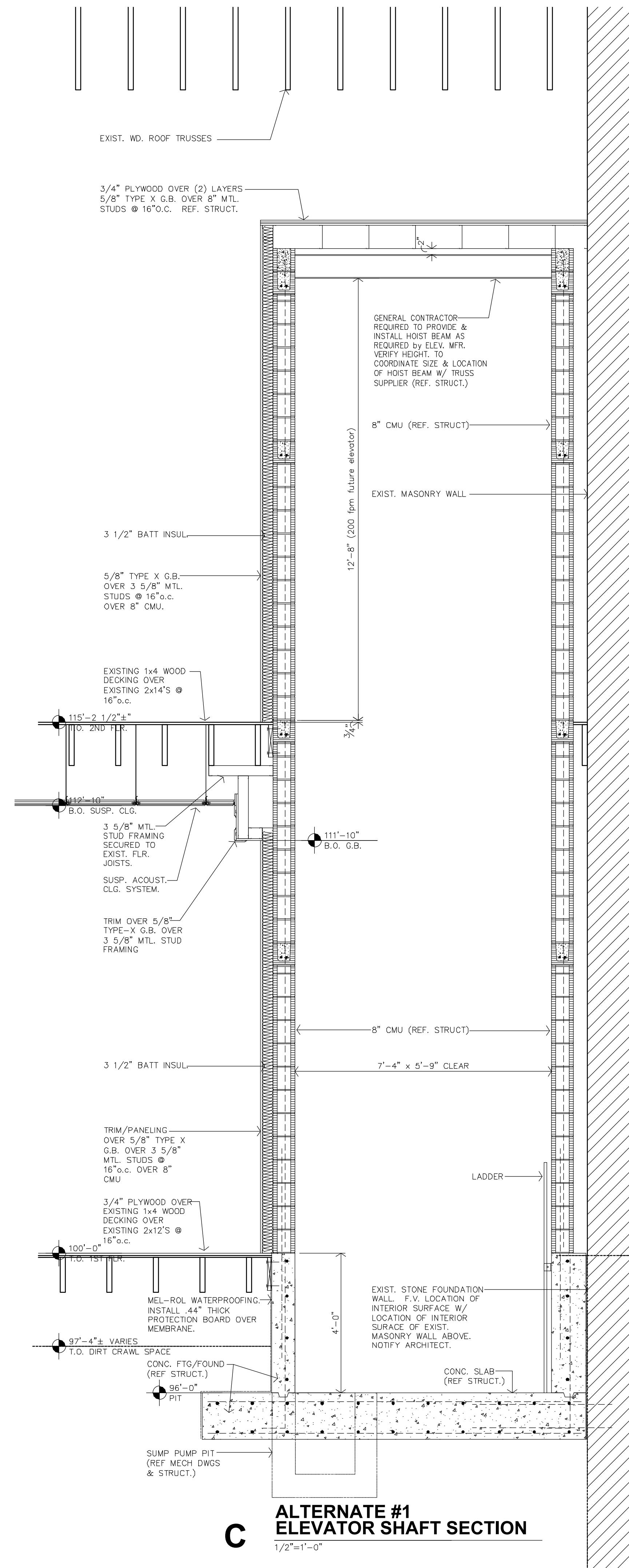
**C WEST/SIDE ELEVATION**  
1/8"=1'-0"

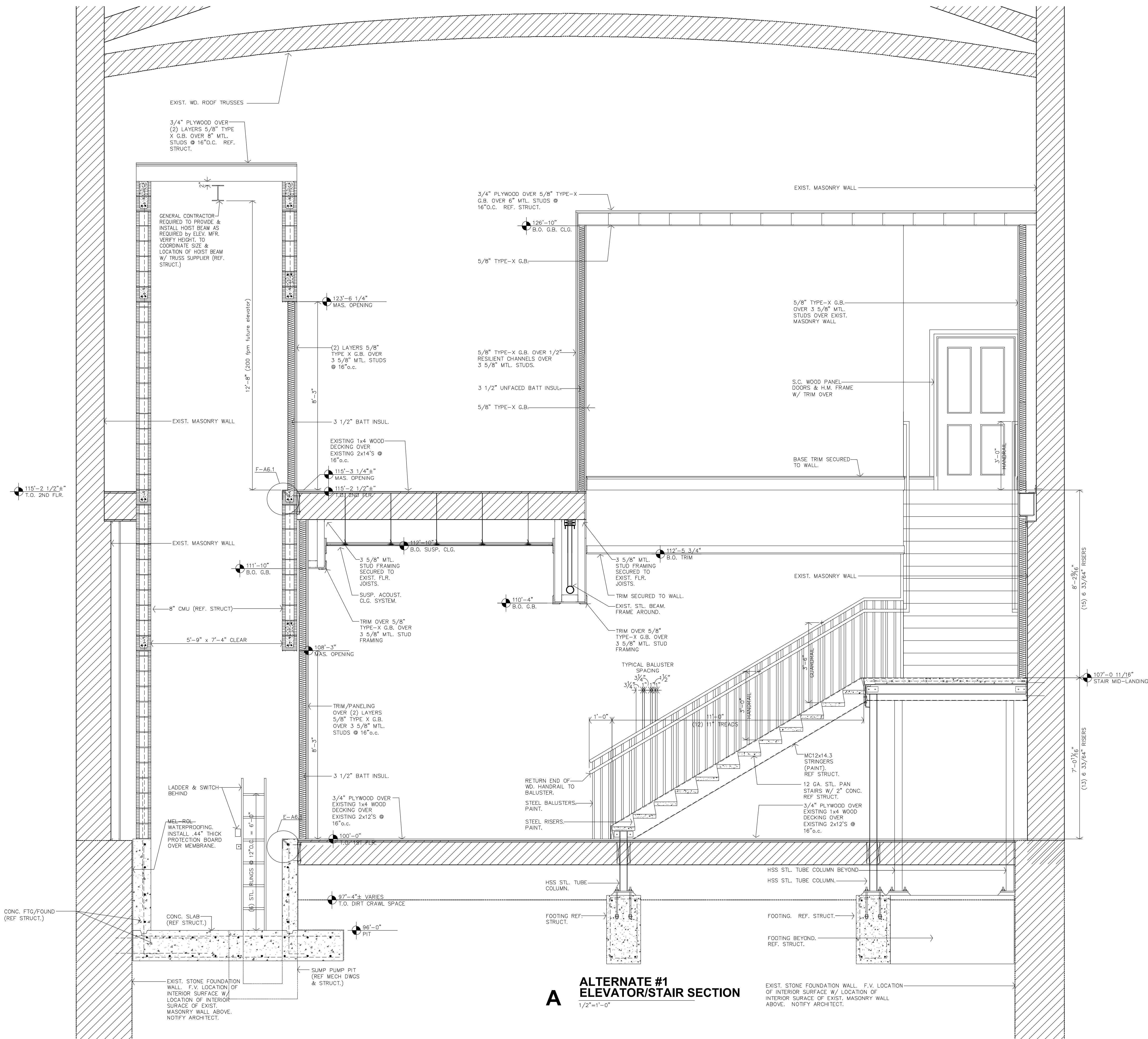


**A EAST/SIDE ELEVATION**  
1/8"=1'-0"

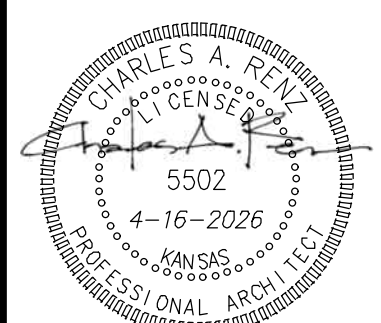


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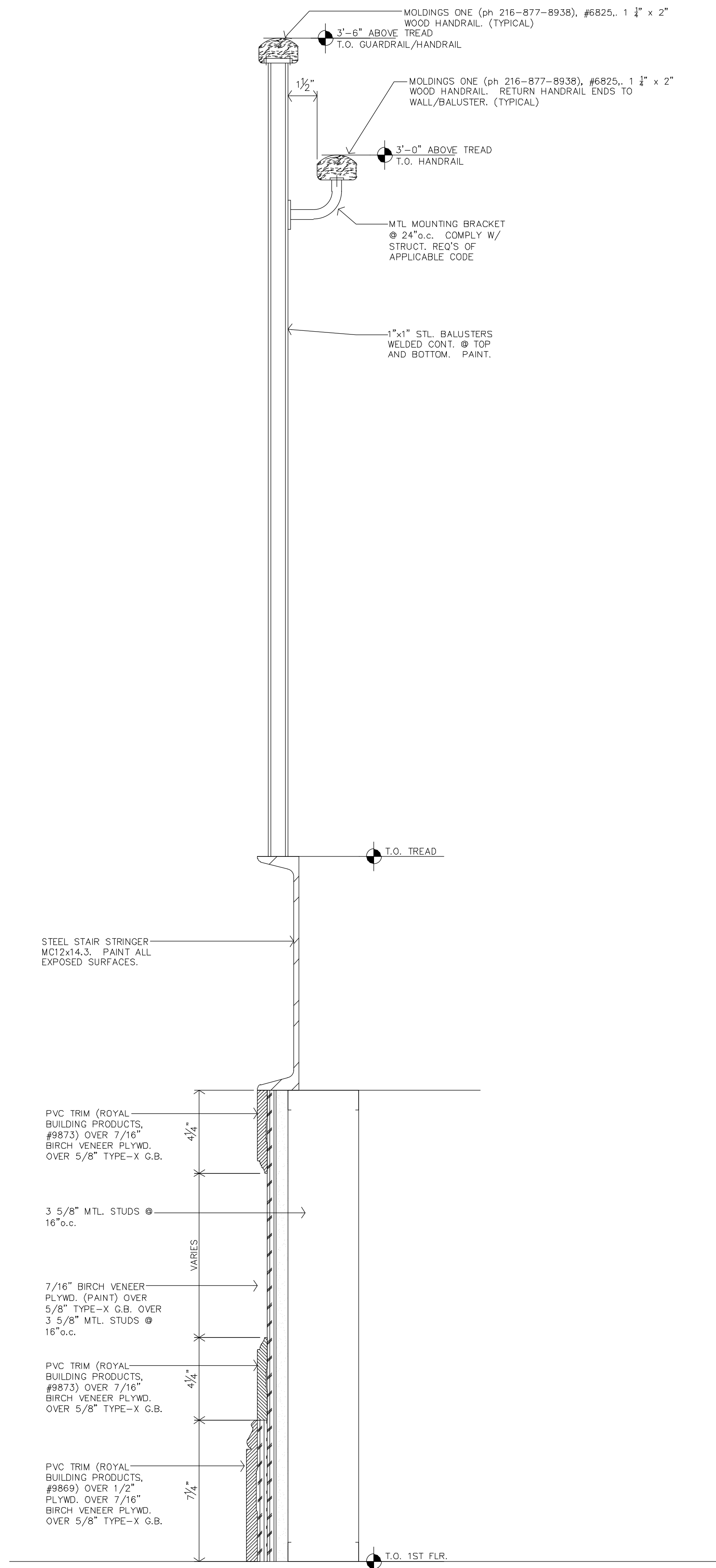




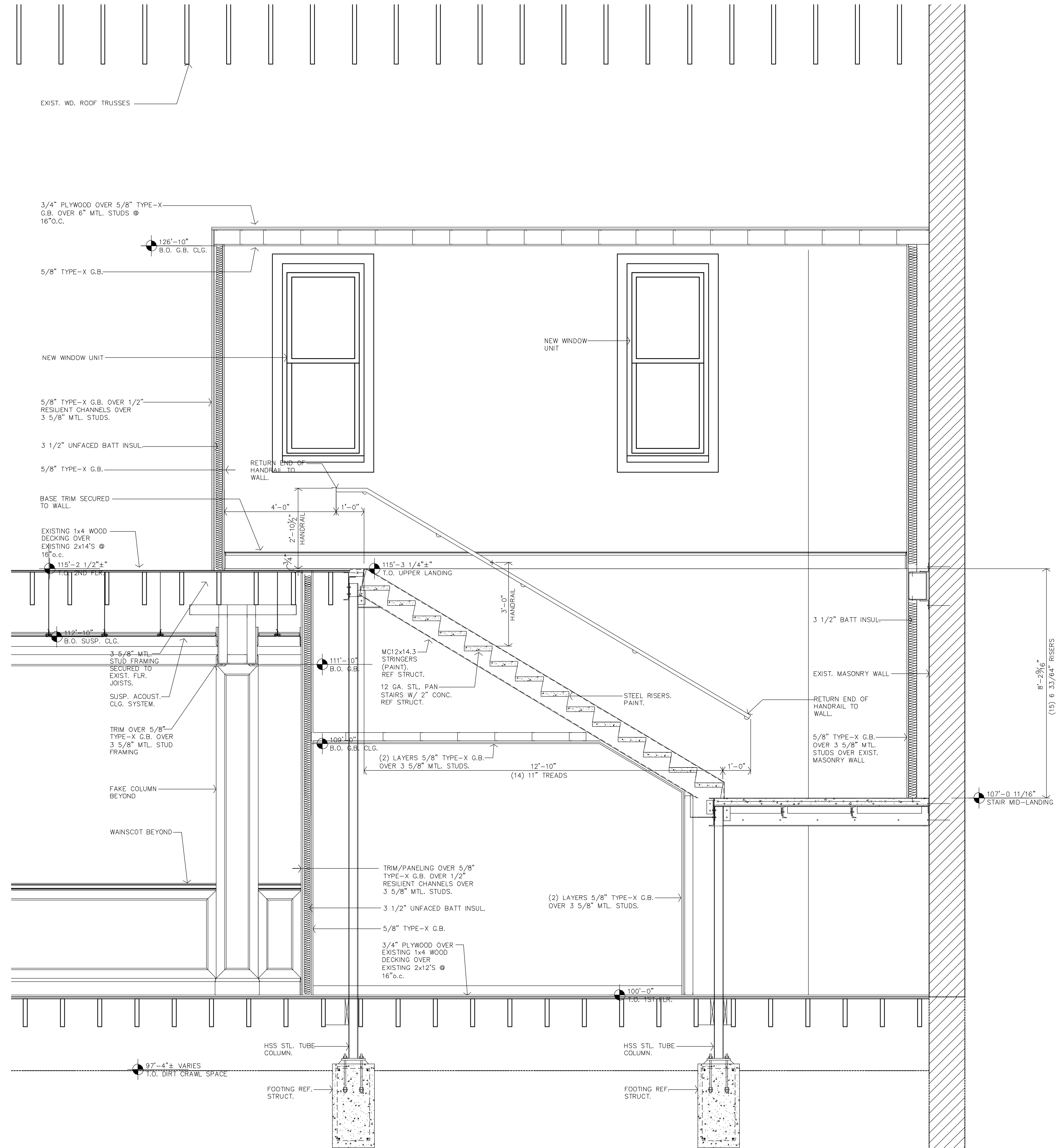
**A** ALTERNATE #1  
ELEVATOR/STAIR SECTION  
1/2"=1'-0"



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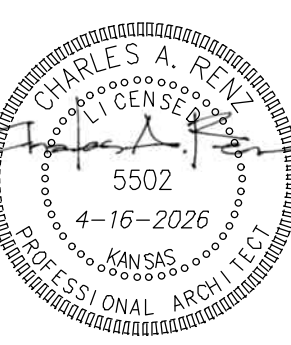


**B** ALTERNATE #1  
INTERIOR STAIR RAILING DTL.  
3/8"=1'-0"



**A** ALTERNATE #1  
STAIR SECTION  
1/2"=1'-0"

EXIST. STONE FOUNDATION WALL. F.V. LOCATION OF INTERIOR SURFACE W/ LOCATION OF INTERIOR SURFACE OF EXIST. MASONRY WALL ABOVE. NOTIFY ARCHITECT.



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## BUILD AMERICA, BUY AMERICA (BABA) COMPLIANCE NOTE

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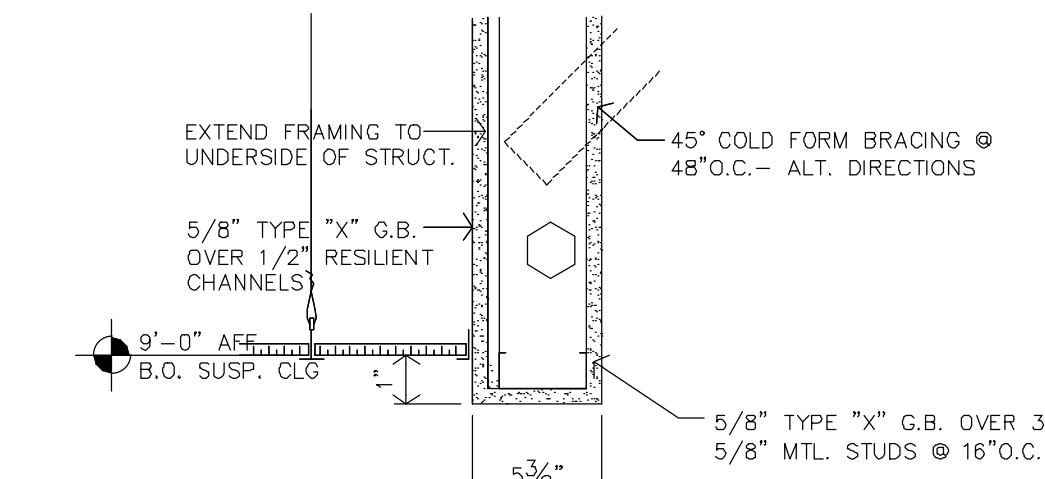
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IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH MANUFACTURERS & SUPPLIERS TO VERIFY & DOCUMENT THAT ALL PRODUCTS FURNISHED & INSTALLED COMPLY WITH BABA REQUIREMENTS. WHERE SCHEDULED EQUIPMENT OR SPECIFIED PRODUCTS ARE NOT BABA COMPLIANT, THE CONTRACTOR SHALL PROVIDE COMPLIANT EQUIPMENT, MATERIALS OR FIXTURES MEETING OR EXCEEDING THE SPECIFIED PERFORMANCE, CAPACITY, EFFICIENCY, DIMENSIONAL & FUNCTIONAL REQUIREMENTS.

SUBSTITUTIONS REQUIRED FOR BABA COMPLIANCE SHALL BE SUBMITTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS FOR REVIEW PRIOR TO BIDDING.

### ALTERNATE BID #3

- CONTRACTOR SHALL DELETE ALL CEILING "BEAMS" (EXCEPT FOR CENTER NORTH-SOUTH BEAM) & PERIMETER SOFFITS AT ASSEMBLY #102, HALL #107, KITCHEN #108 AS WELL AS ALL FALSE WALL "COLUMNS". ULTIMATE RESULT IS A SINGLE MONOLITHIC SUSPENDED ACOUSTICAL CEILING.



**C BULKHEAD DETAIL**  
1 1/2"=1'-0"

### REFLECTED CEILING PLAN NOTES

- CONTRACTOR SHALL COORDINATE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL FIXTURE LOCATIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICT OR DISCREPANCY.
- MECHANICAL/ELECTRICAL FIXTURES @ RATED CEILINGS SHALL BE HUNG IN CONFORMANCE TO U.L. SYSTEM REQUIREMENTS.
- CEILING MOUNTED MECHANICAL EQUIPMENT AND SUSPENDED MECHANICAL EQUIPMENT MUST BE SUSPENDED DIRECTLY FROM THE STRUCTURE.
- SPECIAL CEILING GRID FRAMING IS REQUIRED AT SOME CEILING MOUNTED MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE WITH MECHANICAL UNITS AND PROVIDED ALL ALL SUSPENSION, TRIM, CLIPS, ETC. AS REQUIRED FOR A NEAT, FINISHED, AND SECURE CEILING SYSTEM.
- WHERE SUSPENSION DEVICES, WIRES, RODS, ETC. PENETRATE CEILING GRID AND/OR TILE OR G.B. PENETRATIONS SHALL BE NEAT AND CLEANLY CUT. PENETRATION OPENING SHALL BE AS SMALL AS POSSIBLE. SEAL AT G.B.

NON-RATED WALLS  
- EXTEND ALL FIRST FLOOR & BASEMENT WALLS TO EXIST. STRUCT. DECK  
SEAL VOIDS AT TOPS OF WALLS AND PENETRATIONS WITH U.L. LISTED FIRE BATT INSULATION, PILLOWS, AND/OR FIRE SEALANT AS REQUIRED BY CONDITION. AT RATED WALLS.

CEILING TYPES		CLG. TYPE
REFER SPECIFICATIONS		CLG. HEIGHT
1	2x2 NON-RATED ACOUST. SUSP.	8'-0"
ST	EXPOSED STRUCTURE	
GB	GYP. BD (PAINTED)	

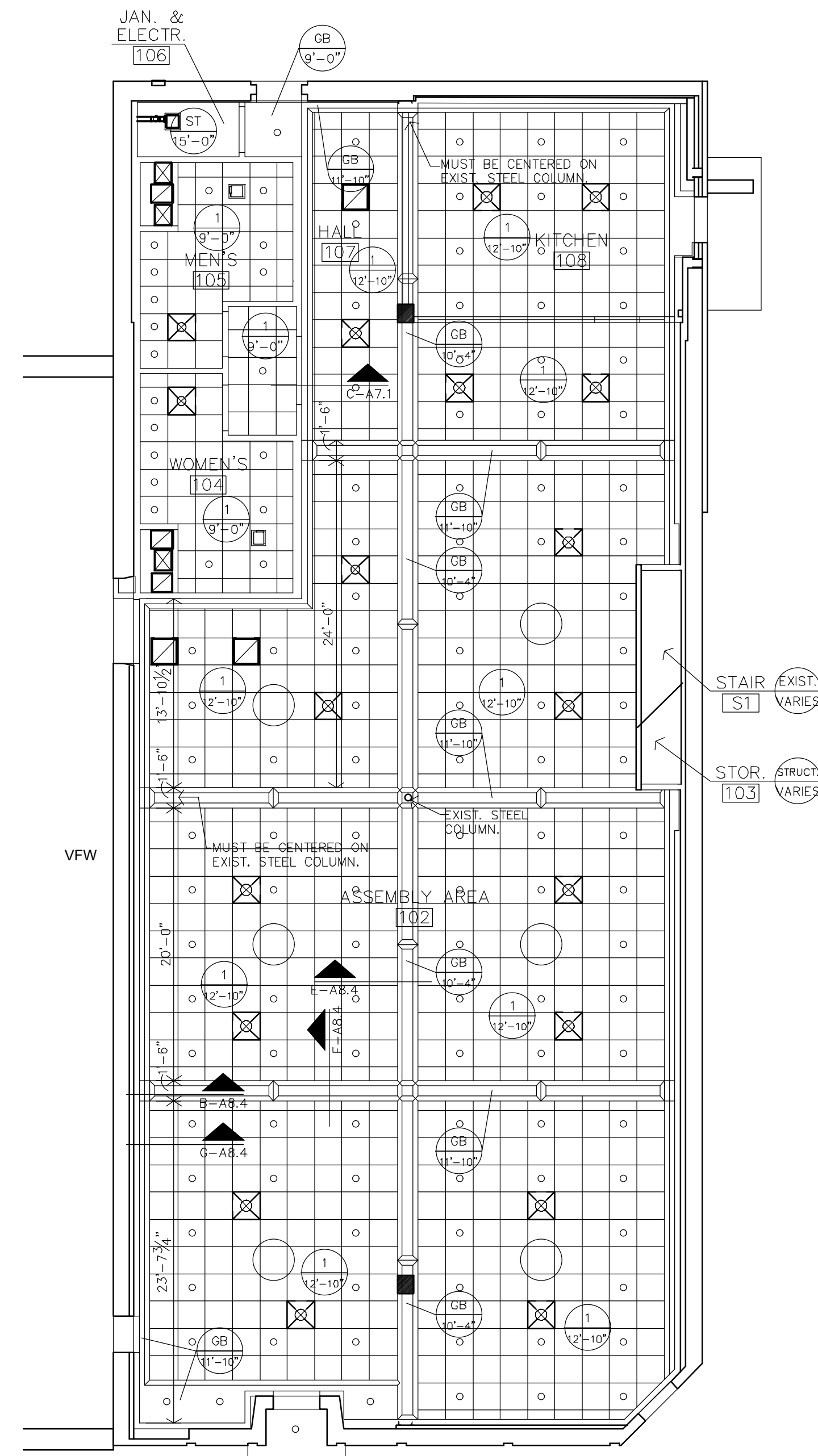
### DEMOLITION NOTES

#### GENERAL

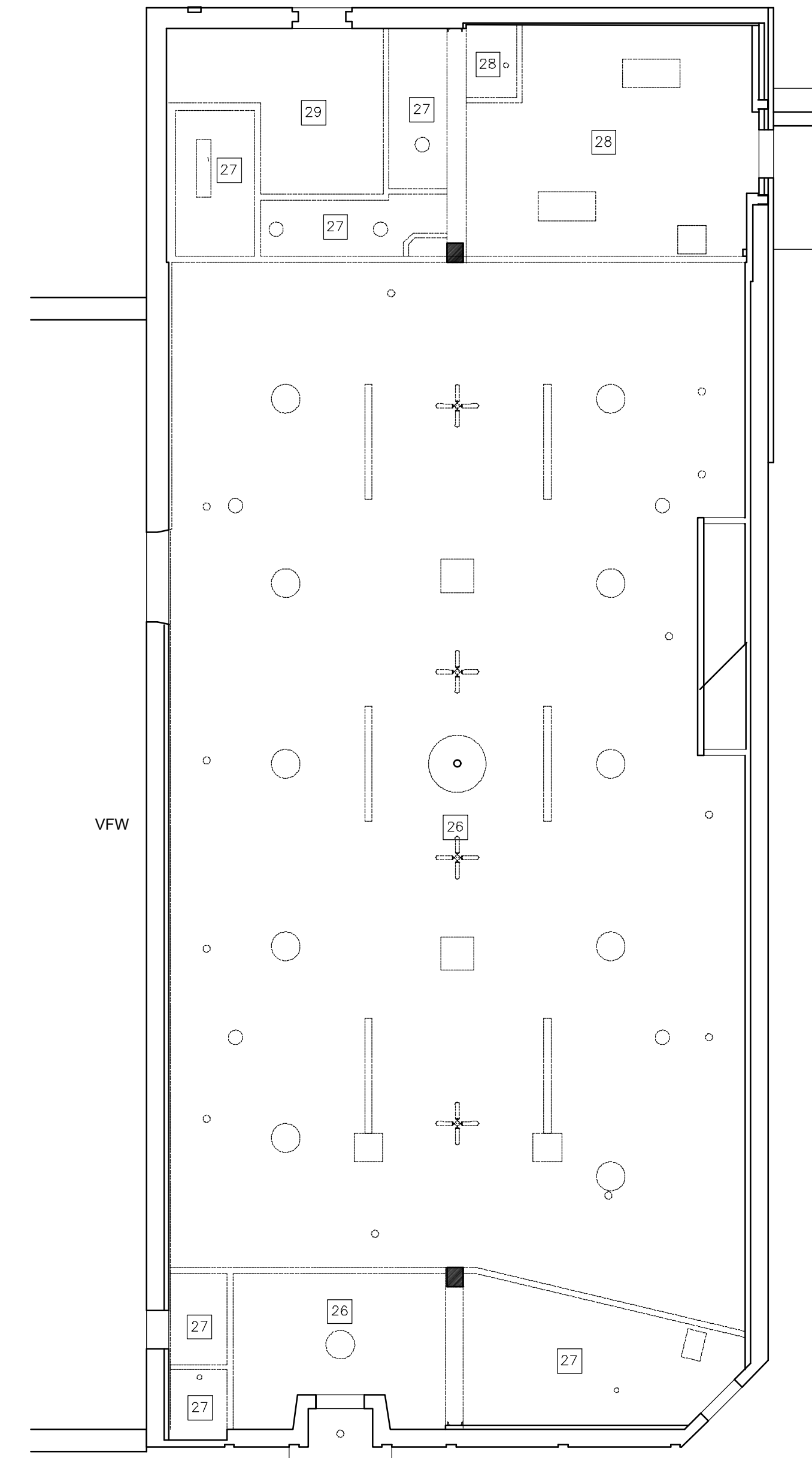
- WHERE EXIST. BLDG. COMPONENTS ARE TO BE REMOVED; PATCH & REPAIR THE SURFACES TO MATCH EXIST. FINISH, UNLESS NEW FINISHES ARE CALLED FOR IN THE FINISH SCHEDULE.
- REMOVE EXIST. BLDG. COMPONENTS AS INDICATED, IMPLIED OR AS REQUIRED SCHEMATICALLY SHOWN AS DASHED LINES. FIELD VERIFY ALL LOCATIONS.
- THE ELECTRICAL & MECHANICAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CORE DRILLING FOR PIPING & CONDUIT INSTALLATION.
- ALL OTHER CUTTING, PATCHING & FINISHING, U.N.O. SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- SHORING OF EXISTING STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE DEMOLITION BY DIFFERING TRADES.
- CONTRACTOR COORDINATE SCHEDULE & LOCATION OF ANY OR ALL EXISTING RECEPTACLES, SWITCHES, DEVICES, ETC. PRIOR TO DEMOLITION, RELOCATE OR ABANDON ACCORDINGLY.
- COORDINATE & REFERENCE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND DETAILS.
- OWNER TO REMOVE ALL PICTURES, MIRRORS, ETC., FROM WALLS.
- OWNER TO MOVE FURNITURE & RELOCATE ACCORDINGLY.
- REMOVE EXISTING SUSPENDED GLUE-UP CEILING TILE SYSTEM (AS WELL AS TIN CEILING ABOVE) TO EXPOSE EXISTING SECOND FLOOR WOOD JOISTS. REMOVE EXISTING LIGHTS, FANS & ASSOCIATED WIRING (REF. ELECTRICAL PLANS). REMOVE EXISTING MECHANICAL SYSTEMS & ASSOCIATED DUCTWORK (REF. MECH. PLANS). INSTALL 12" THICK FSK-FACED BATT INSULATION BETWEEN FLOOR JOISTS & INSTALL NEW CEILING SYSTEM, LIGHTING & HVAC.
- REMOVE EXISTING GYP. BD. & ASSOCIATED WOOD SUPPORTS (AS WELL AS TIN CEILING ABOVE) TO EXPOSE EXISTING SECOND FLOOR WOOD JOISTS. REMOVE EXISTING LIGHTS, FANS & ASSOCIATED WIRING (REF. ELECTRICAL PLANS). REMOVE EXISTING MECHANICAL SYSTEMS & ASSOCIATED DUCTWORK (REF. MECH. PLANS). INSTALL 12" THICK FSK-FACED BATT INSULATION BETWEEN FLOOR JOISTS & INSTALL NEW CEILING SYSTEM, LIGHTING & HVAC.
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### ARCHITECTURAL GENERAL NOTES

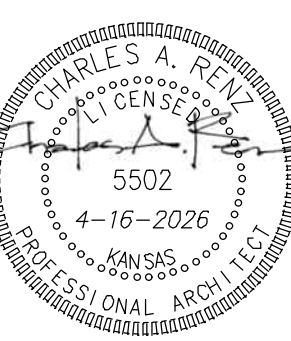
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- IF THERE IS A DISCREPANCY BETWEEN DRAWINGS AND FIELD CONDITIONS NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK SO THAT ANY ISSUES MAY BE CLARIFIED.
- G.C. SHALL BE RESPONSIBLE TO PATCH ALL WALLS & PREPARE TO BE PAINTED. REF. ROOM FINISH SCHEDULE.



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



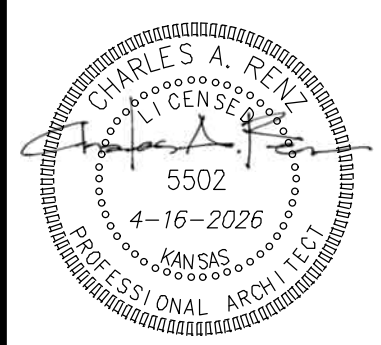
**A FIRST FLOOR RELECTED CEILING DEMOLITION PLAN**  
1/8"=1'-0"



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**A7.1**



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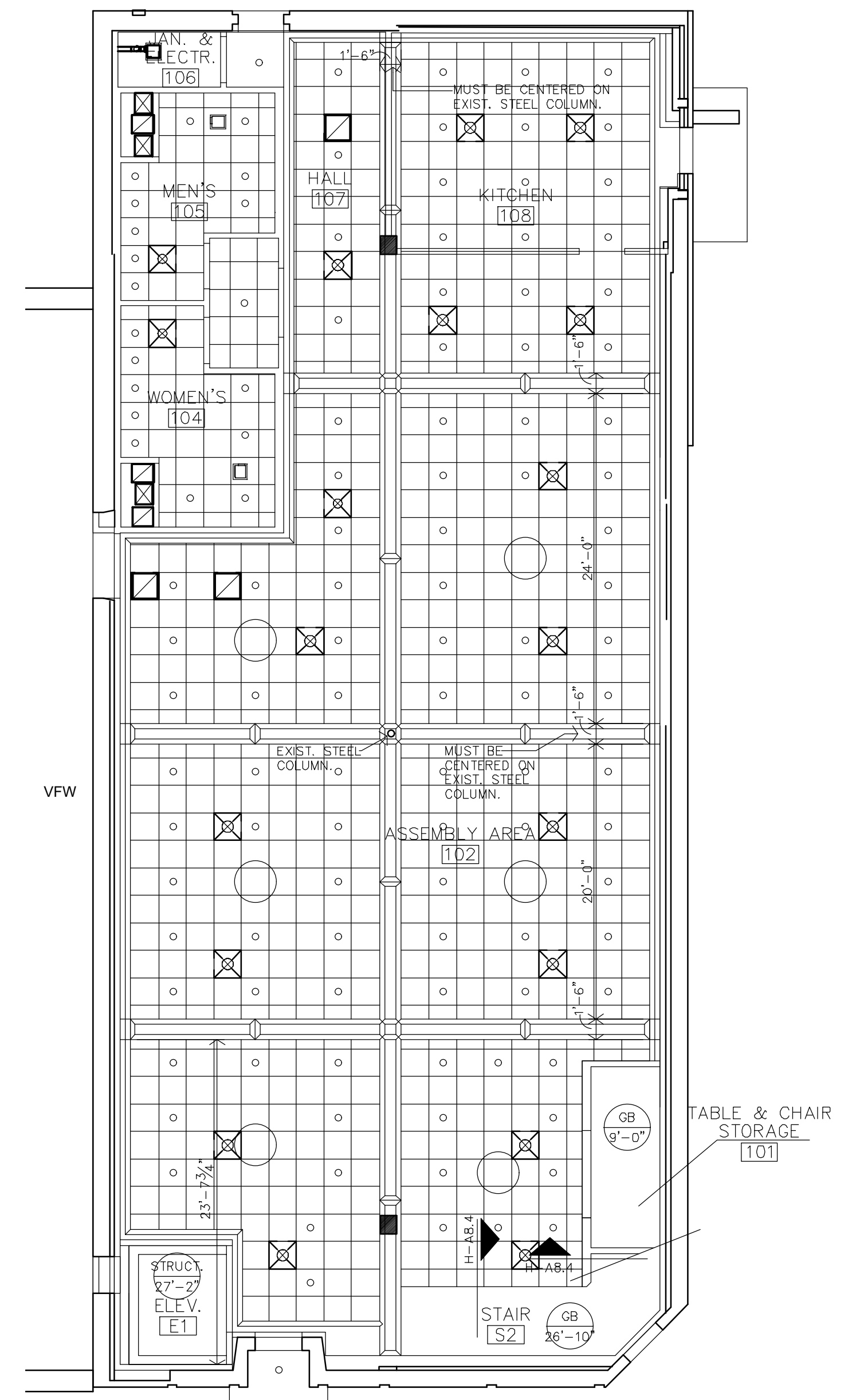
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SEAL VOIDS AT TOPS OF WALLS AND PENETRATIONS WITH U.L. LISTED FIRE BATT INSULATION, FILLINGS, AND/OR FIRE SEALANT AS REQUIRED BY CONDITION. AT RATED WALLS.		
CEILING TYPES		
REFER SPECIFICATIONS		
1	2x2 NON-RATED ACOUST. SUSP.	
ST	EXPOSED STRUCTURE	
GB	GYP BD (PAINTED)	

**DEMOLITION NOTES**

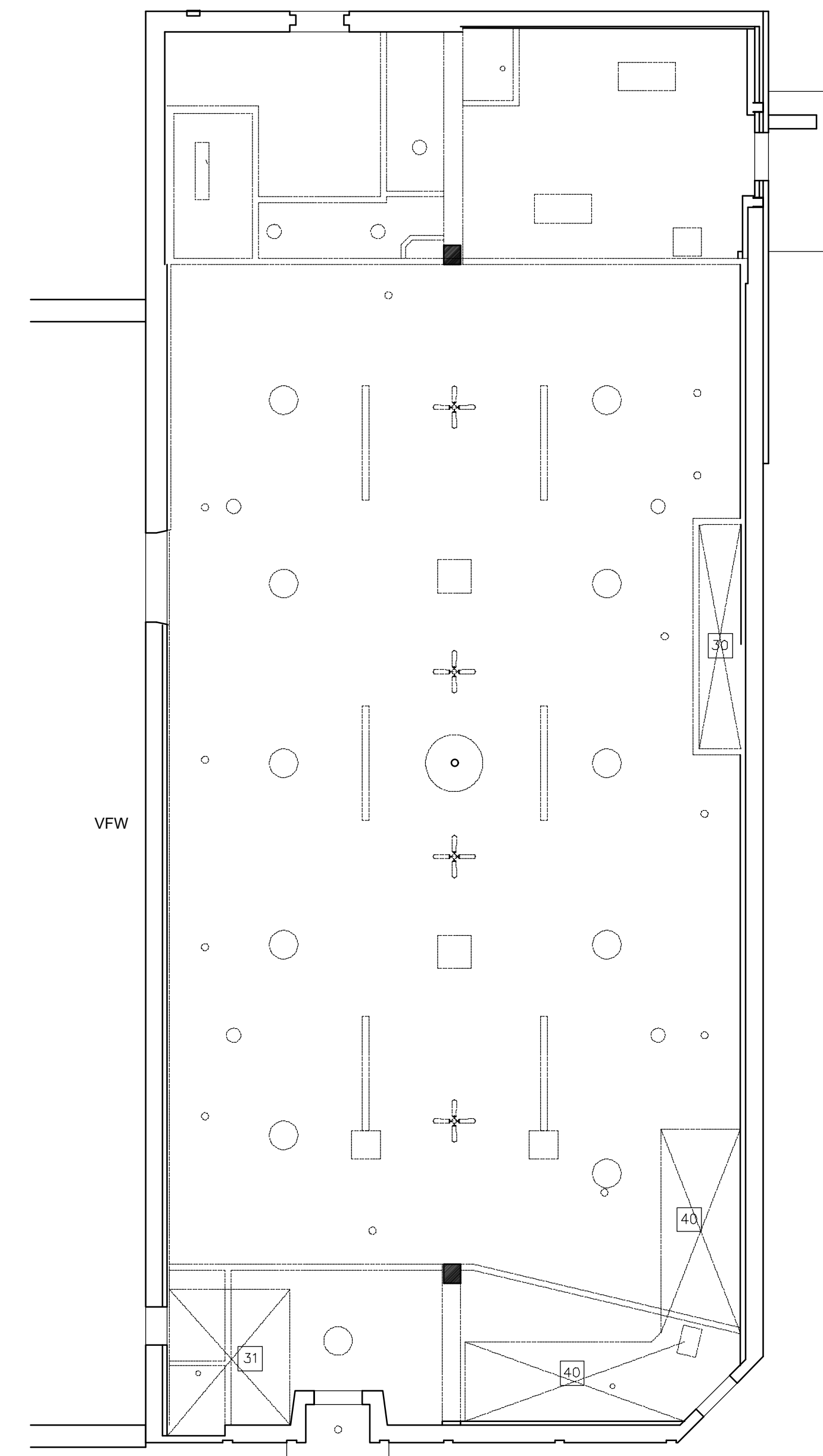
- GENERAL**
- WHERE EXIST. BLDG. COMPONENTS ARE TO BE REMOVED; PATCH & REPAIR THE SURFACES TO MATCH EXIST. FINISH, UNLESS NEW FINISHES ARE CALLED FOR IN THE FINISH SCHEDULE.
  - REMOVE EXIST. BLDG. COMPONENTS AS INDICATED, IMPLIED OR AS REQUIRED SCHEMATICALLY SHOWN AS DASHED LINES. FIELD VERIFY ALL LOCATIONS.
  - THE ELECTRICAL & MECHANICAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CORE DRILLING FOR PIPING & CONDUIT INSTALLATION.
  - ALL OTHER CUTTING, PATCHING & FINISHING, U.N.O. SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
  - SHORING OF EXISTING STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
  - IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE DEMOLITION BY DIFFERING TRADES.
  - CONTRACTOR COORDINATE SCHEDULE & LOCATION OF ANY OR ALL EXISTING RECEPTACLES, SWITCHES, DEVICES, ETC. PRIOR TO DEMOLITION, RELOCATE OR ABANDON ACCORDINGLY.
  - COORDINATE & REFERENCE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND DETAILS.
  - OWNER TO REMOVE ALL PICTURES, MIRRORS, ETC., FROM WALLS.
  - OWNER TO MOVE FURNITURE & RELOCATE ACCORDINGLY.
- 30** ALTERNATE #1: REMOVE EXISTING WOOD STAIRS, ASSOCIATED FRAMING & WALLS. FILL IN REMAINING "OLD" STAIR VOID AT SECOND FLOOR WITH MATCHING MATERIALS (I.e. WOOD JOISTS & PLYWOOD SHEATHING).
- 31** ALTERNATE #1: TAKE CARE IN CUTTING & REMOVAL OF EXISTING WOOD DECKING & FLOOR JOISTS (FIRST & SECOND FLOORS) FOR INSTALLATION OF NEW ELEVATOR OPENING. SHORE EXISTING FLOOR JOISTS PRIOR TO CUTTING. INSTALL NEW CMU ELEVATOR SHAFT WALLS WITH ASSOCIATED OPENINGS & PIT. REFERENCE STRUCTURAL. INSTALL METAL STUD FRAMING IN FUTURE DOORWAY OPENINGS. INSTALL NEW FINISHES OVER CMU WALLS.
- 40** ALTERNATE #1: TAKE CARE IN CUTTING & REMOVAL OF EXISTING WOOD DECKING & FLOOR JOISTS (FIRST & SECOND FLOORS) FOR INSTALLATION OF NEW STAIR OPENING. SHORE EXISTING FLOOR JOISTS PRIOR TO CUTTING. INSTALL NEW METAL W/ CONCRETE PAN STAIRS. REF. STRUCTURAL.

**ARCHITECTURAL GENERAL NOTES**

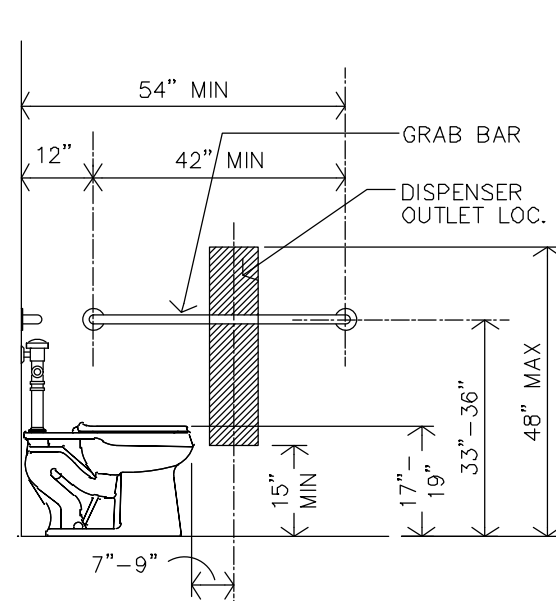
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS.
- INSTALL MATERIALS AND/OR FINISHES AS INDICATED, IMPLIED OR AS REQUIRED FOR COMPLETE & FINISHED INSTALLATION.
- ALL WORK SHALL BE IN CONFORMANCE W/ APPLICABLE BUILDING CODES & ORDINANCES.
- ALL NEW CONSTRUCTION SHALL BE IN CONFORMANCE TO ADA REQUIREMENTS. REFERENCE ADA FOR TYPICAL MINIMUM CLEARANCE REQ.
- IF THERE IS A DISCREPANCY BETWEEN DRAWINGS AND FIELD CONDITIONS NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK SO THAT ANY ISSUES MAY BE CLARIFIED.
- G.C. SHALL BE RESPONSIBLE TO PATCH ALL WALLS & PREPARE TO BE PAINTED. REF. ROOM FINISH SCHEDULE.



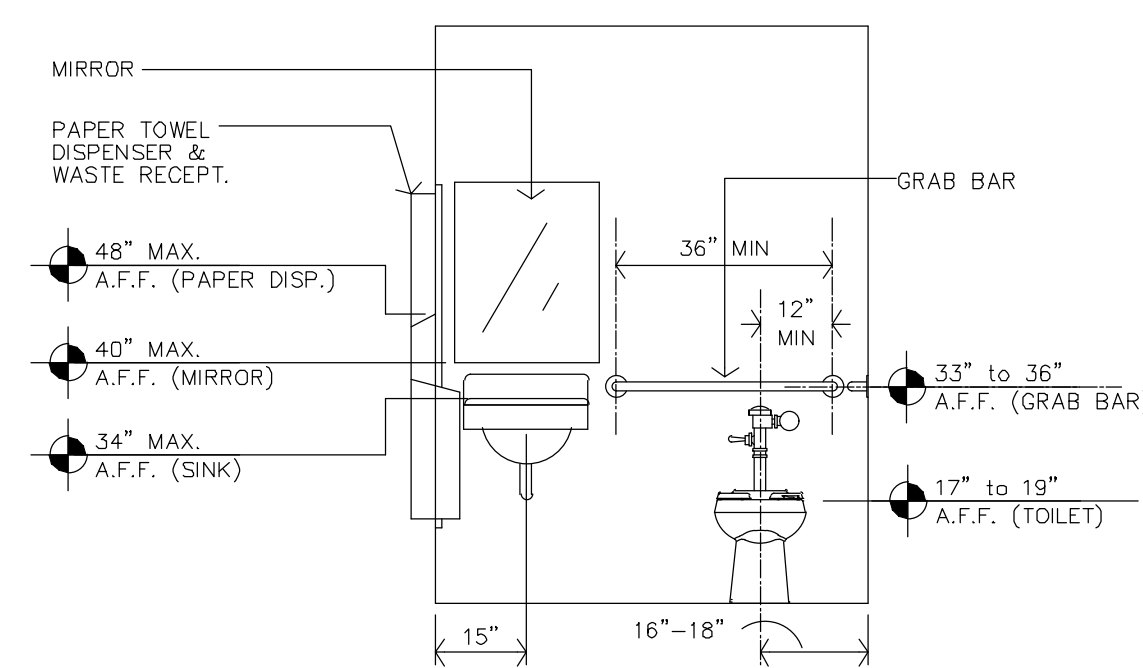
**B** **ALTERNATE #1 - FIRST FLOOR REFLECTED CEILING PLAN**  
 1/8"=1'-0"



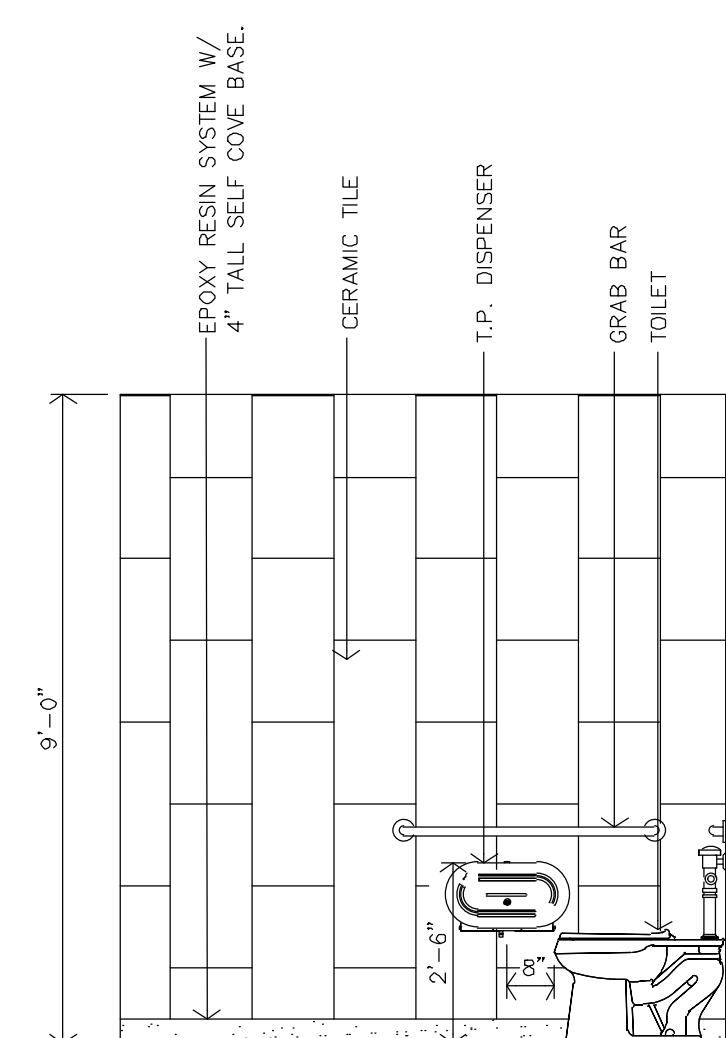
**A** **ALTERNATE #1 - FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN**  
 1/8"=1'-0"



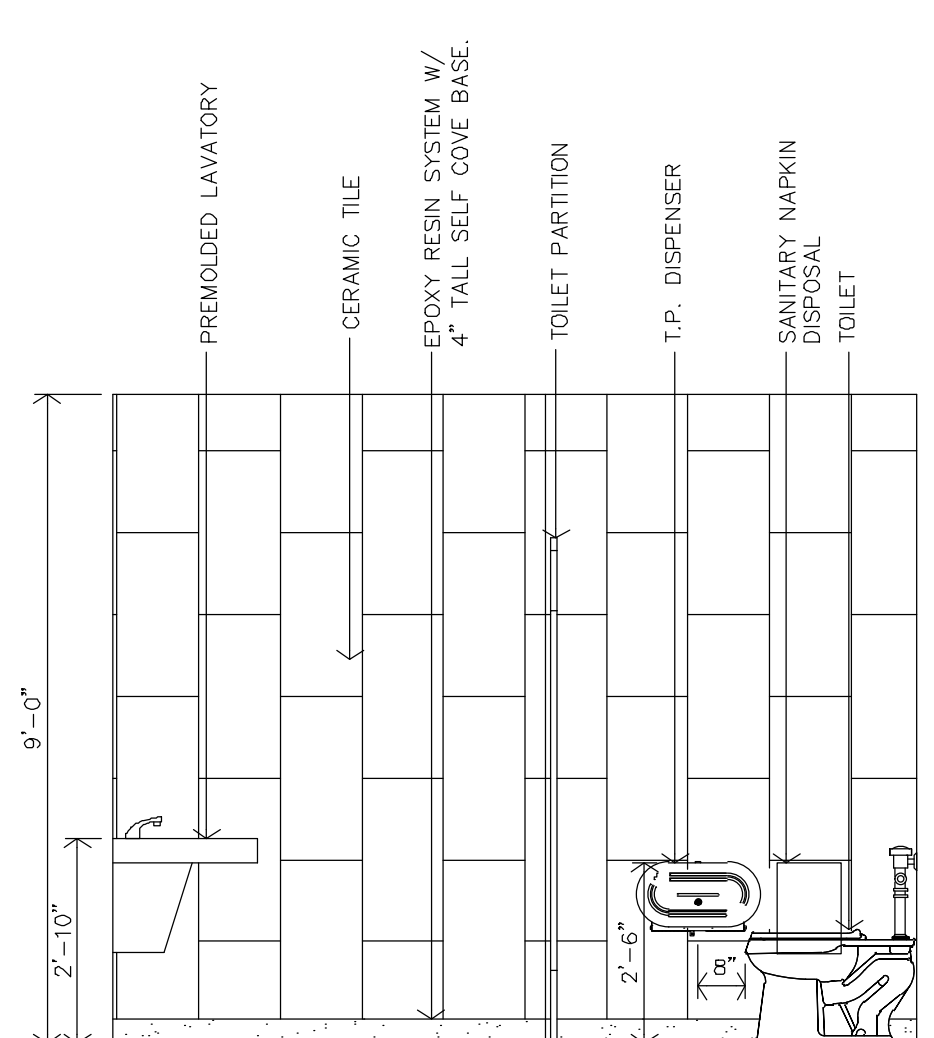
**L** TYP. HEIGHTS @ H.C. TOILET SIDE WALL  
3/8"=1'-0" FOR HC HEIGHTS & LOCATION ONLY



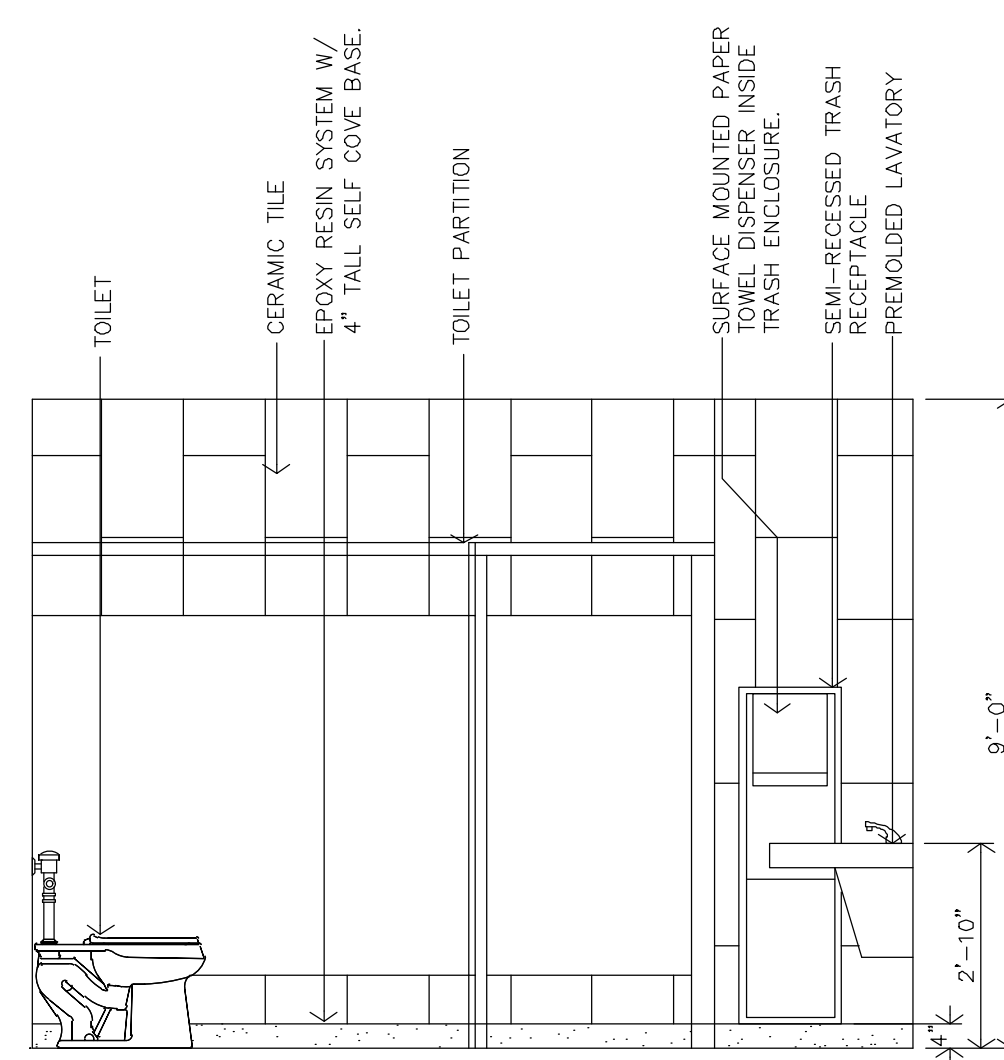
**K** TYP. HEIGHTS @ H.C. TOILET BACK WALL  
3/8"=1'-0" FOR HC HEIGHTS & LOCATION ONLY



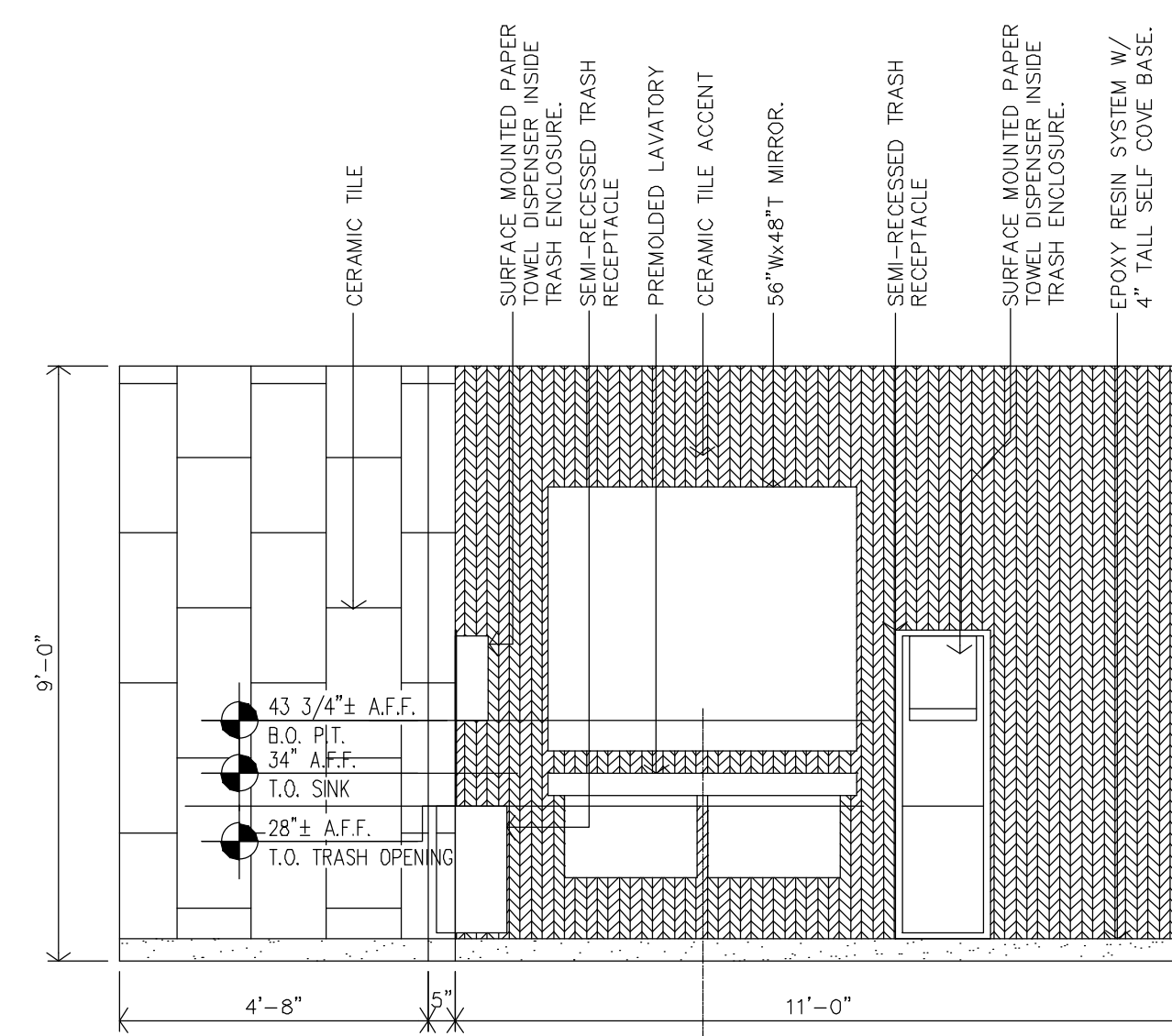
**J** MEN'S RESTROOM NORTH ELEVATION  
3/8"=1'-0"



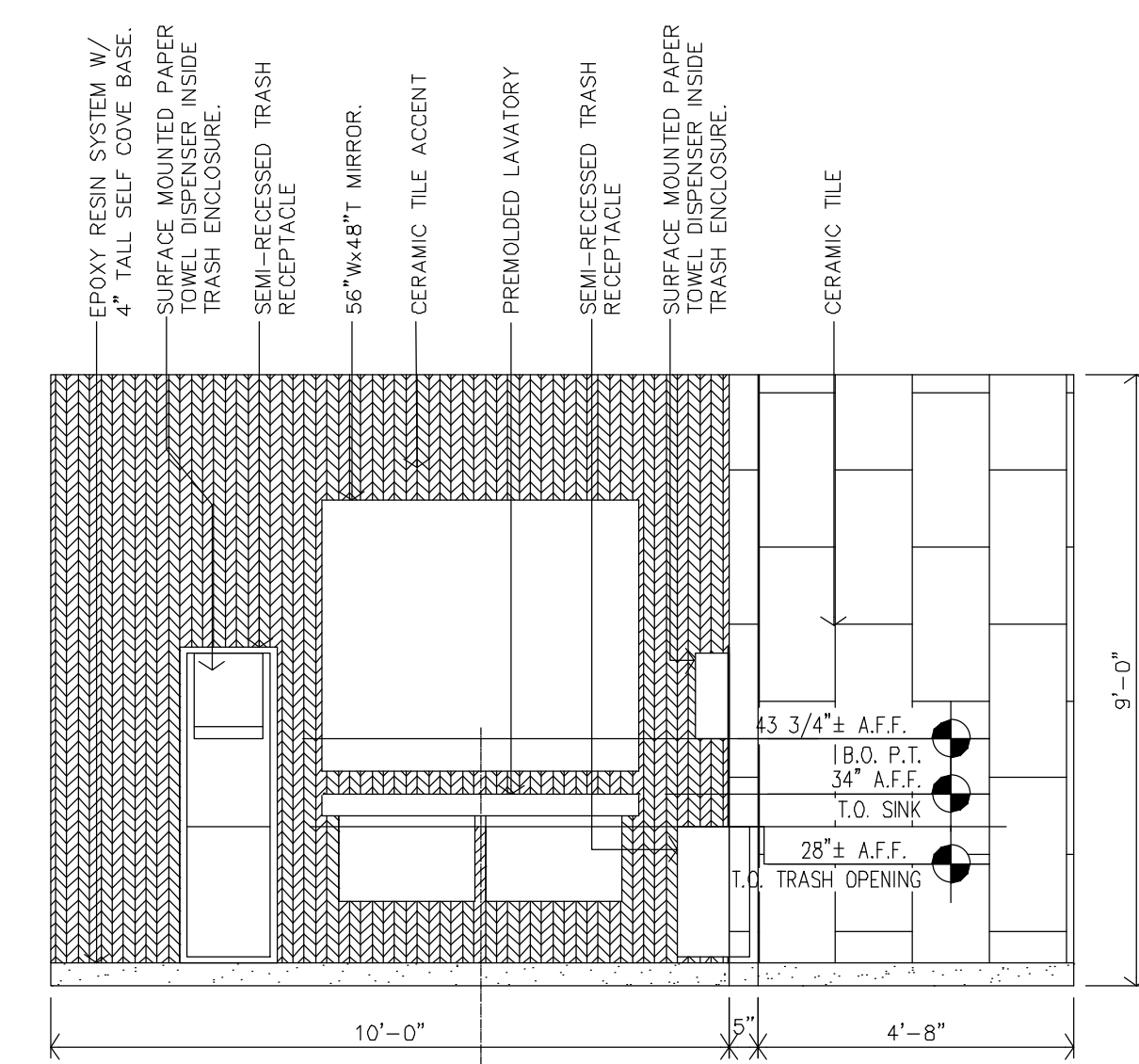
**H** WOMEN'S RESTROOM NORTH ELEVATION  
3/8"=1'-0"



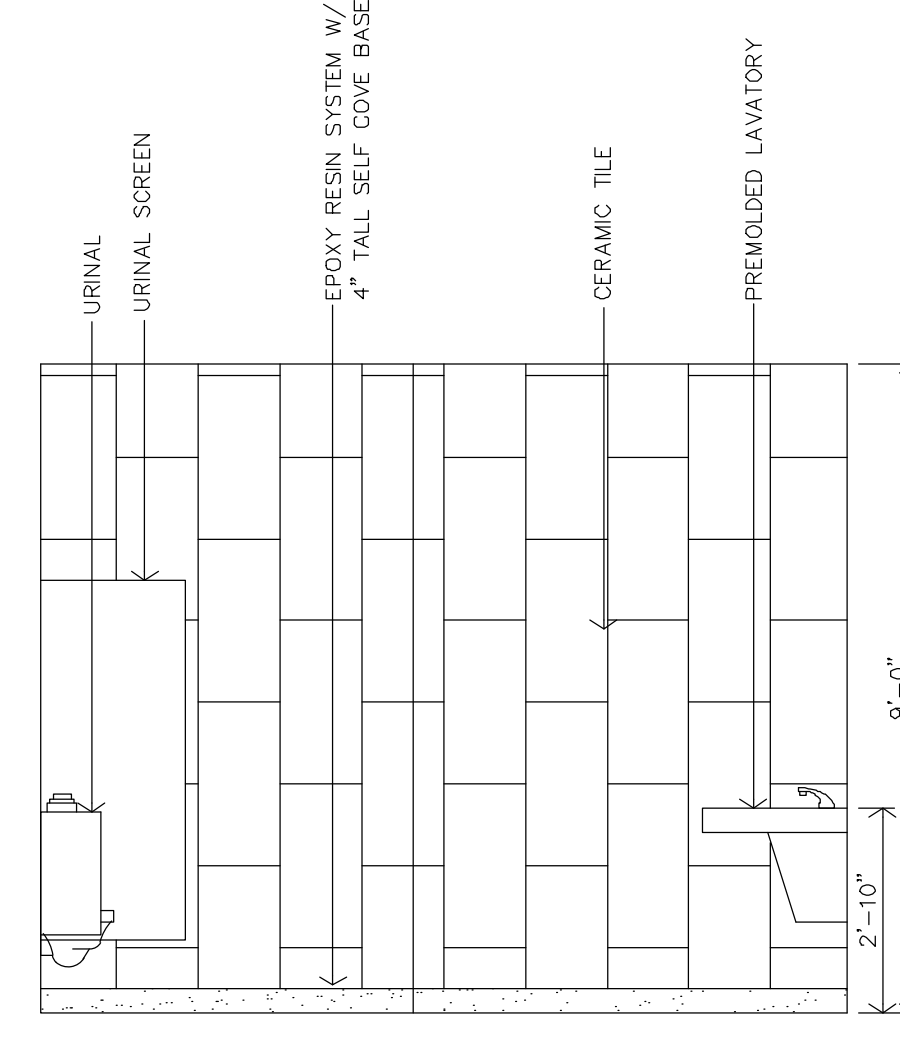
**G** WOMEN'S RESTROOM SOUTH ELEVATION  
3/8"=1'-0"



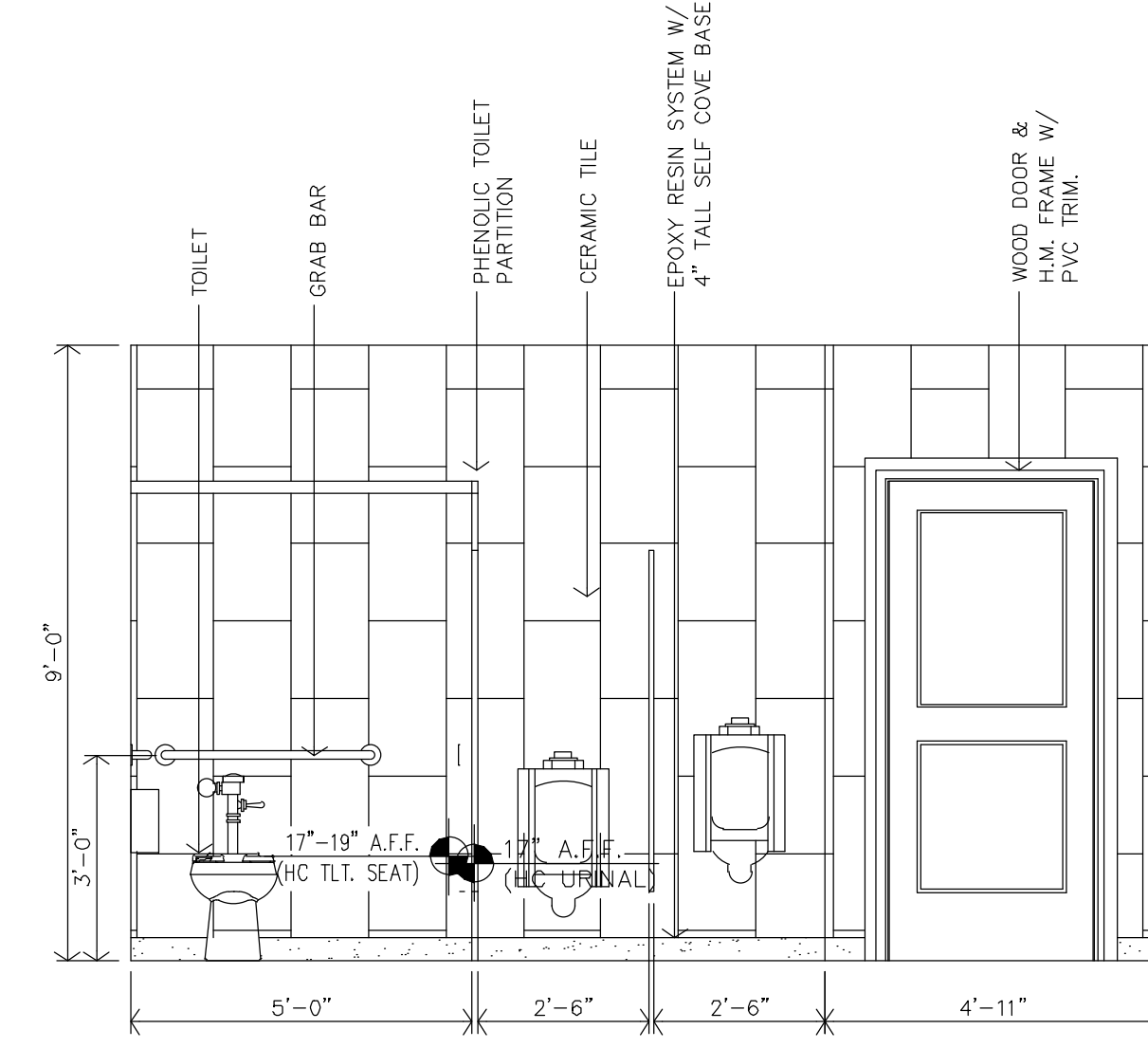
**F** WOMEN'S RESTROOM WEST ELEVATION  
3/8"=1'-0"



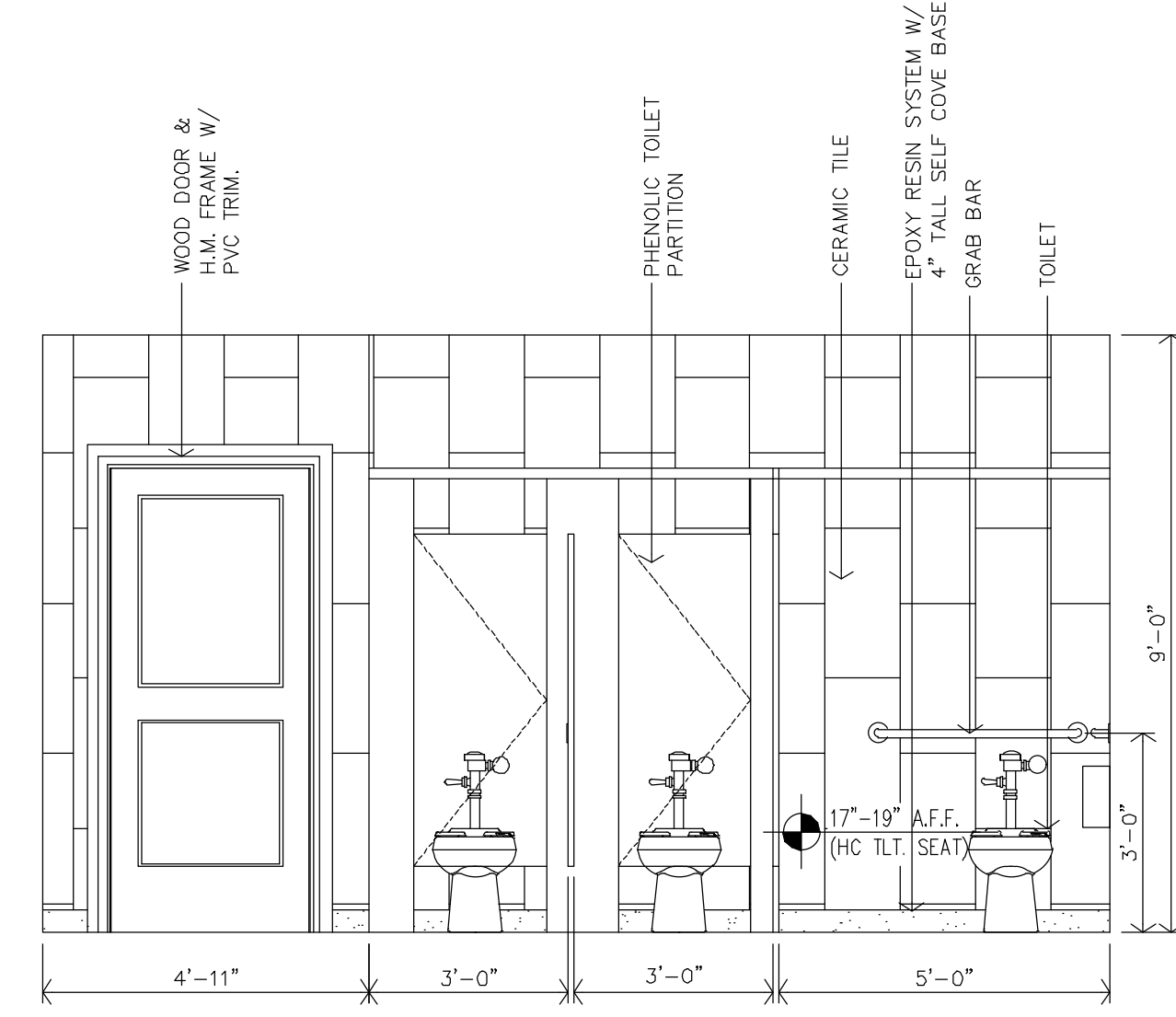
**E** MEN'S RESTROOM WEST ELEVATION  
3/8"=1'-0"



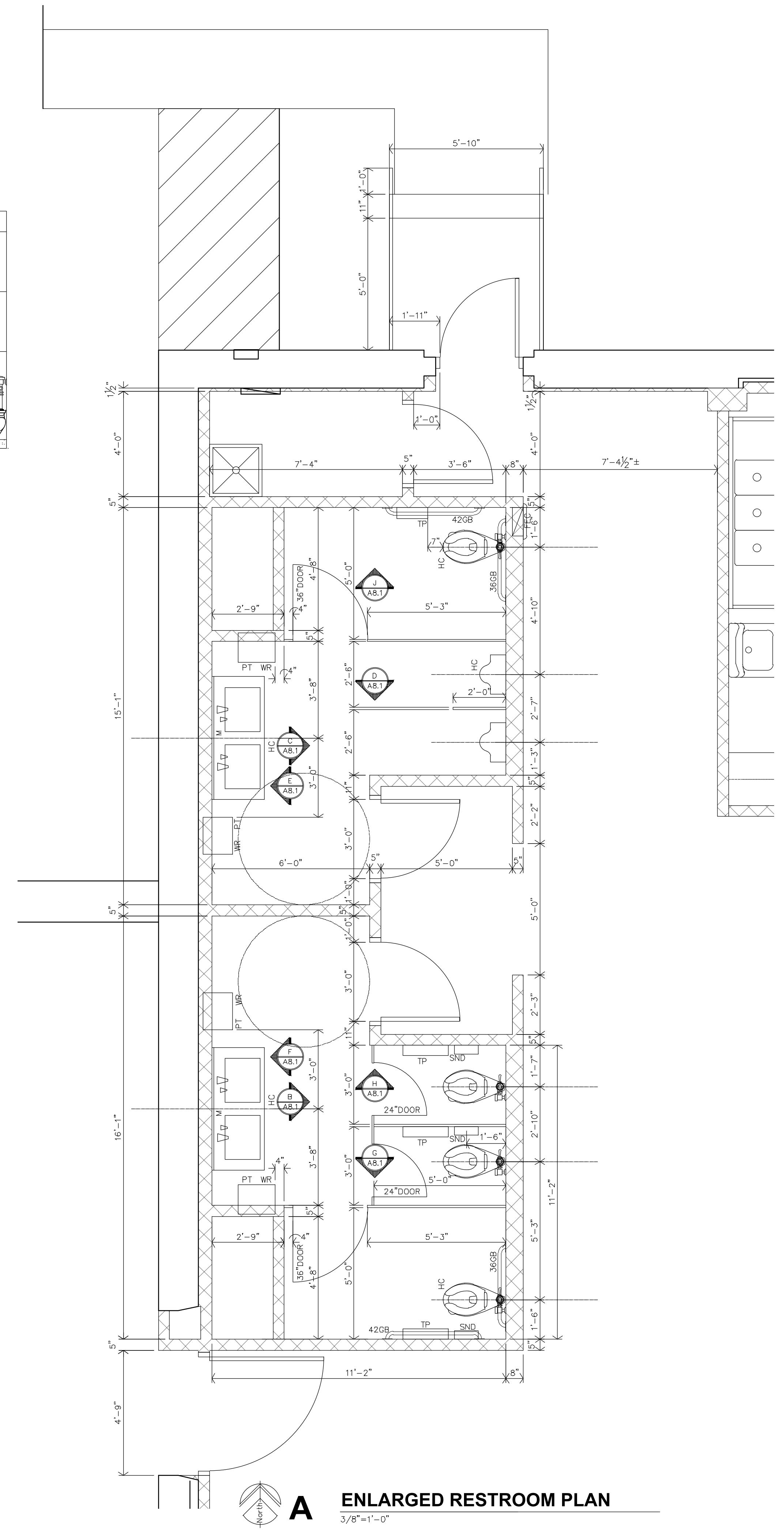
**D** MEN'S RESTROOM SOUTH ELEVATION  
3/8"=1'-0"



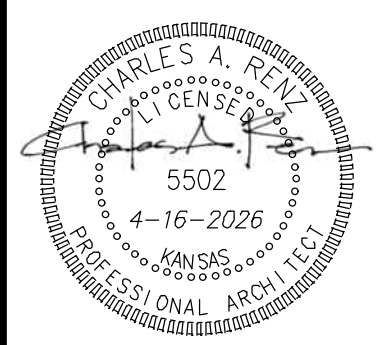
**C** MEN'S RESTROOM EAST ELEVATION  
3/8"=1'-0"



**B** WOMEN'S RESTROOM EAST ELEVATION  
3/8"=1'-0"

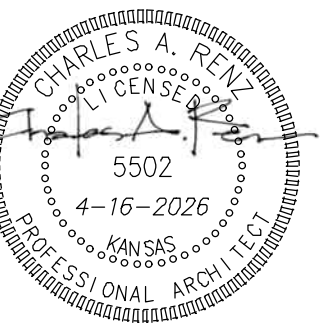
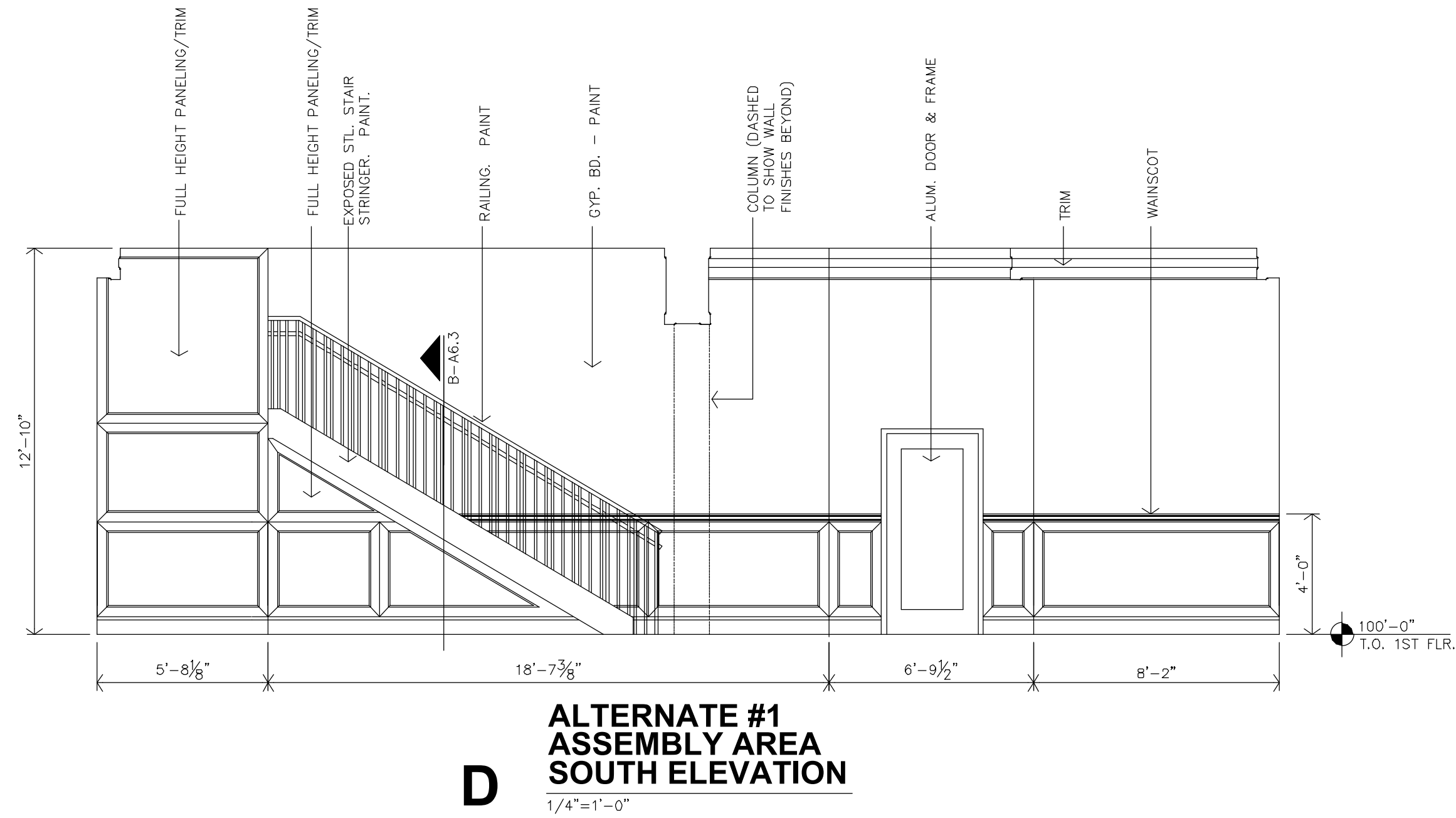
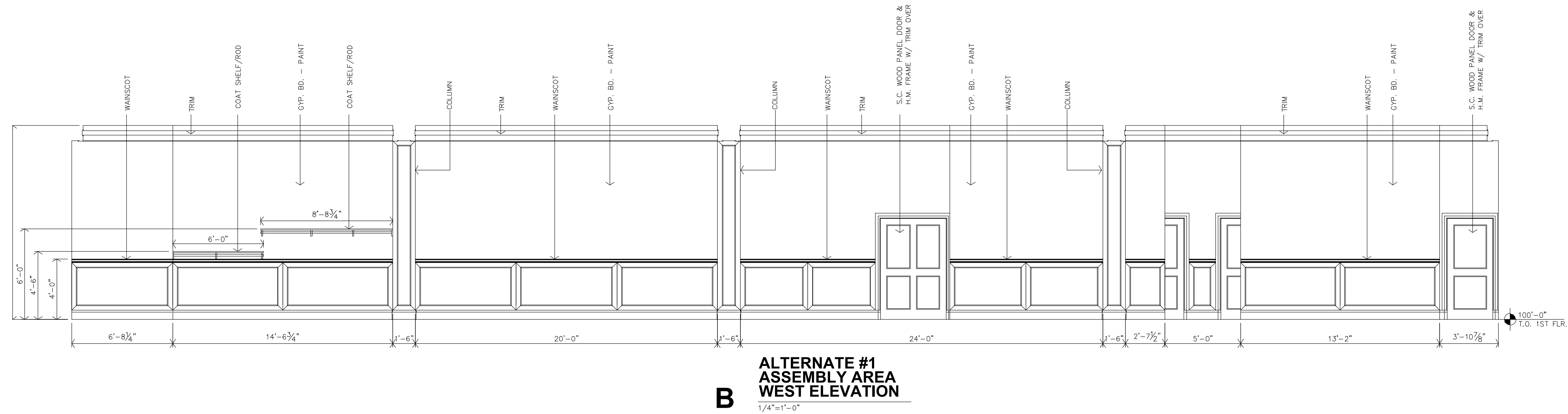
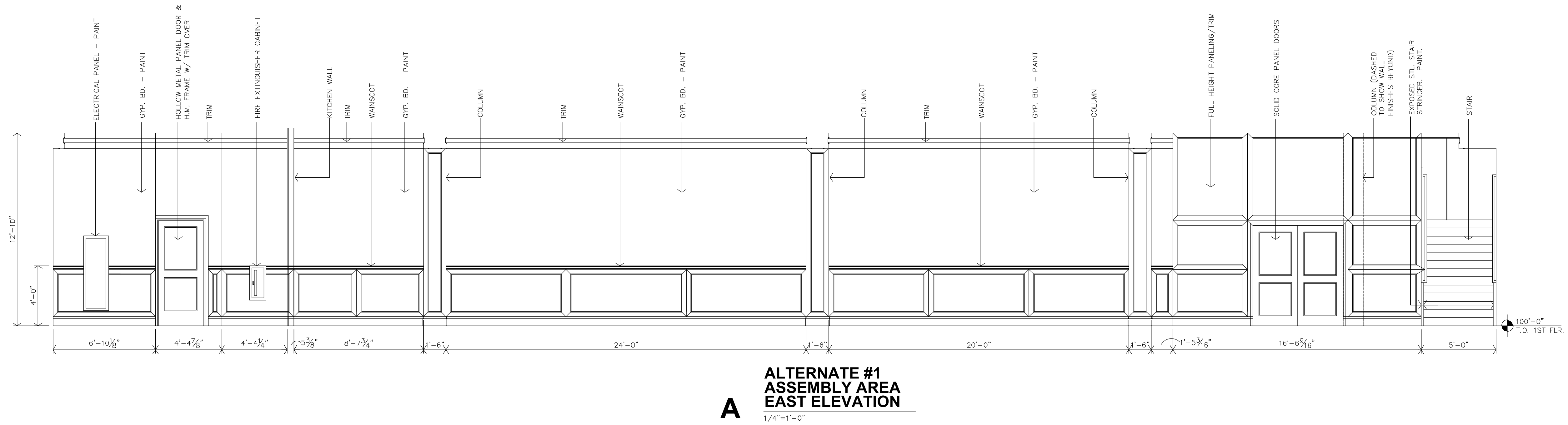


**A** ENLARGED RESTROOM PLAN  
3/8"=1'-0"



REVISION:	
DATE:	4-16-2026
JOB:	25-3508
SHEET NO.:	





REVISION:

DATE: 4-16-2026  
JOB: 25-3508

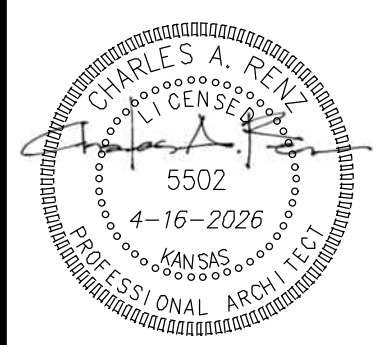
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**A8.3**

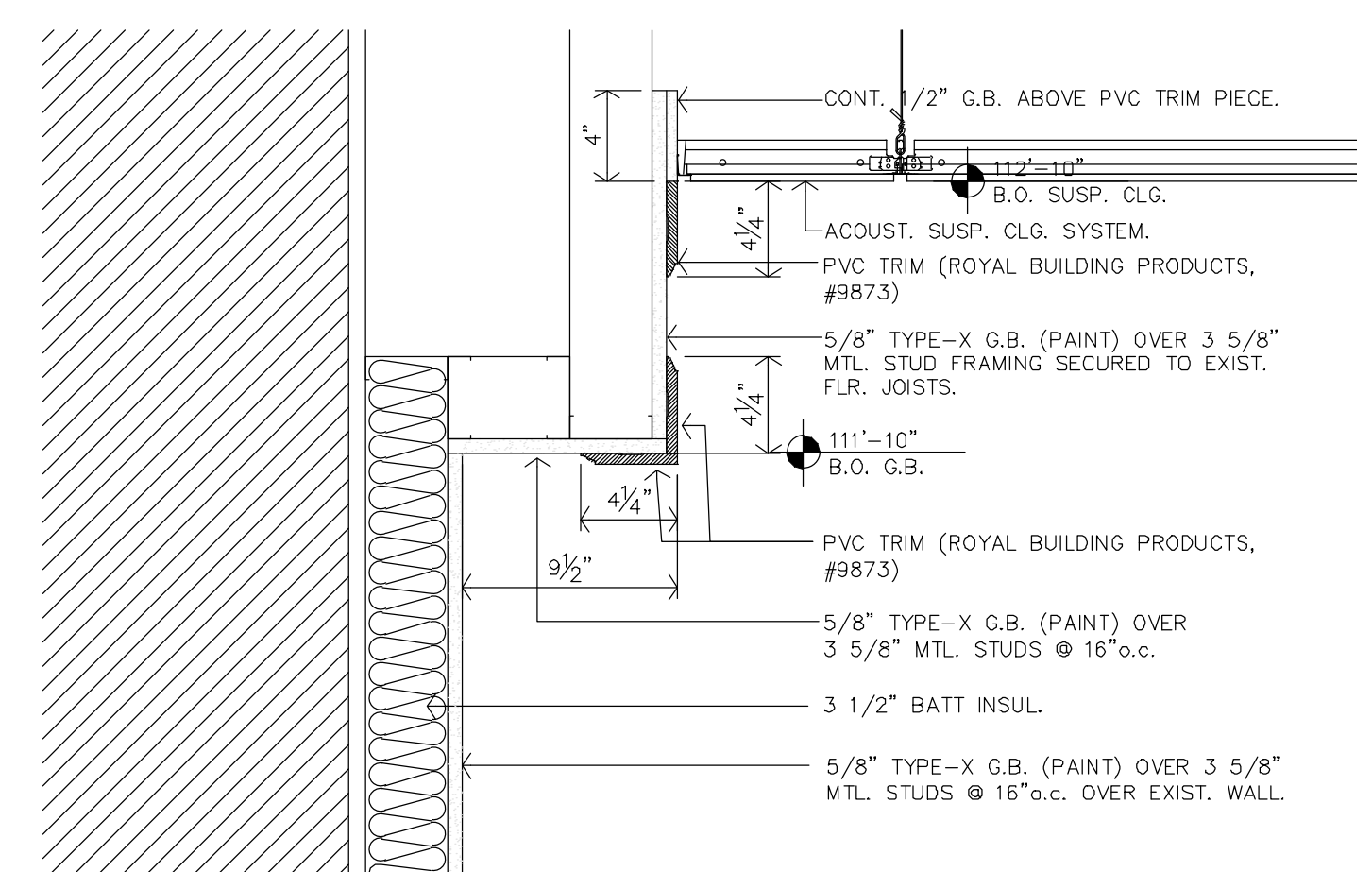
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**CLYDE COMMUNITY HALL**  
RENOVATION  
KANSAS  
CLYDE,

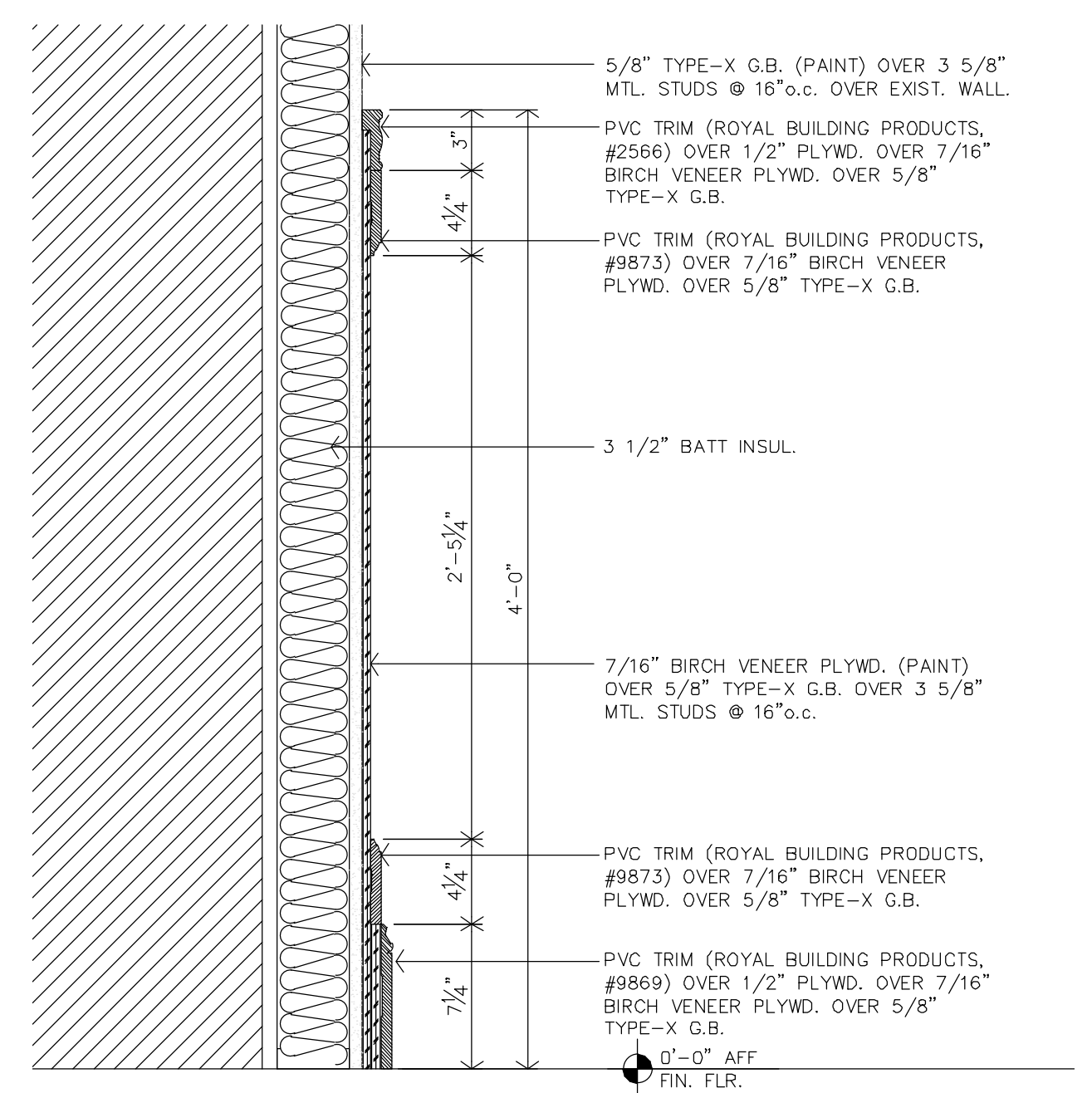
**JGR**  
JonesGillamRenz  
1881 Main Street, Suite 301  
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785.827.0386  
jgr@jrchitects.com



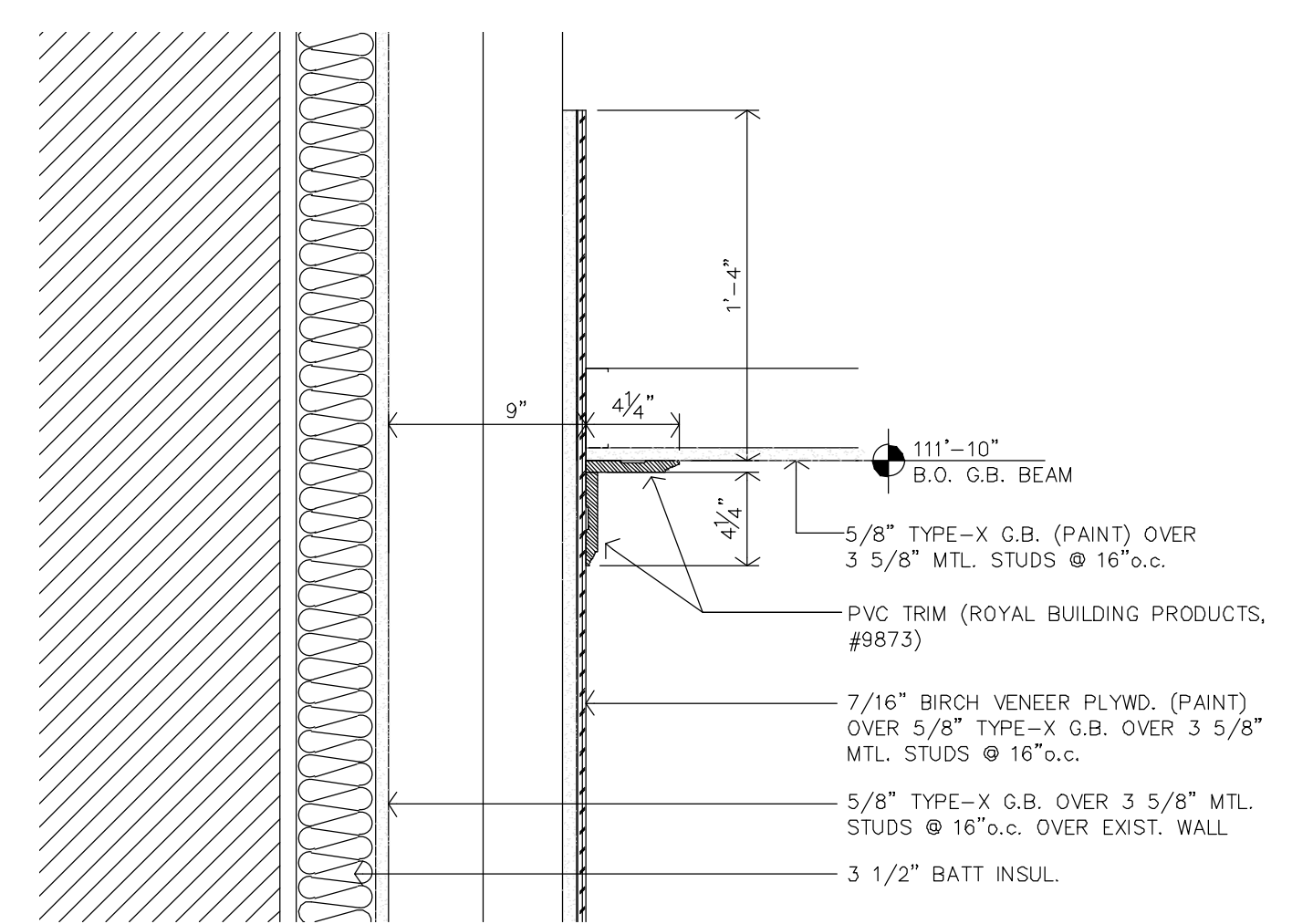
REVISION:	
DATE:	4-16-2026
JOB:	25-3508
SHEET NO.:	



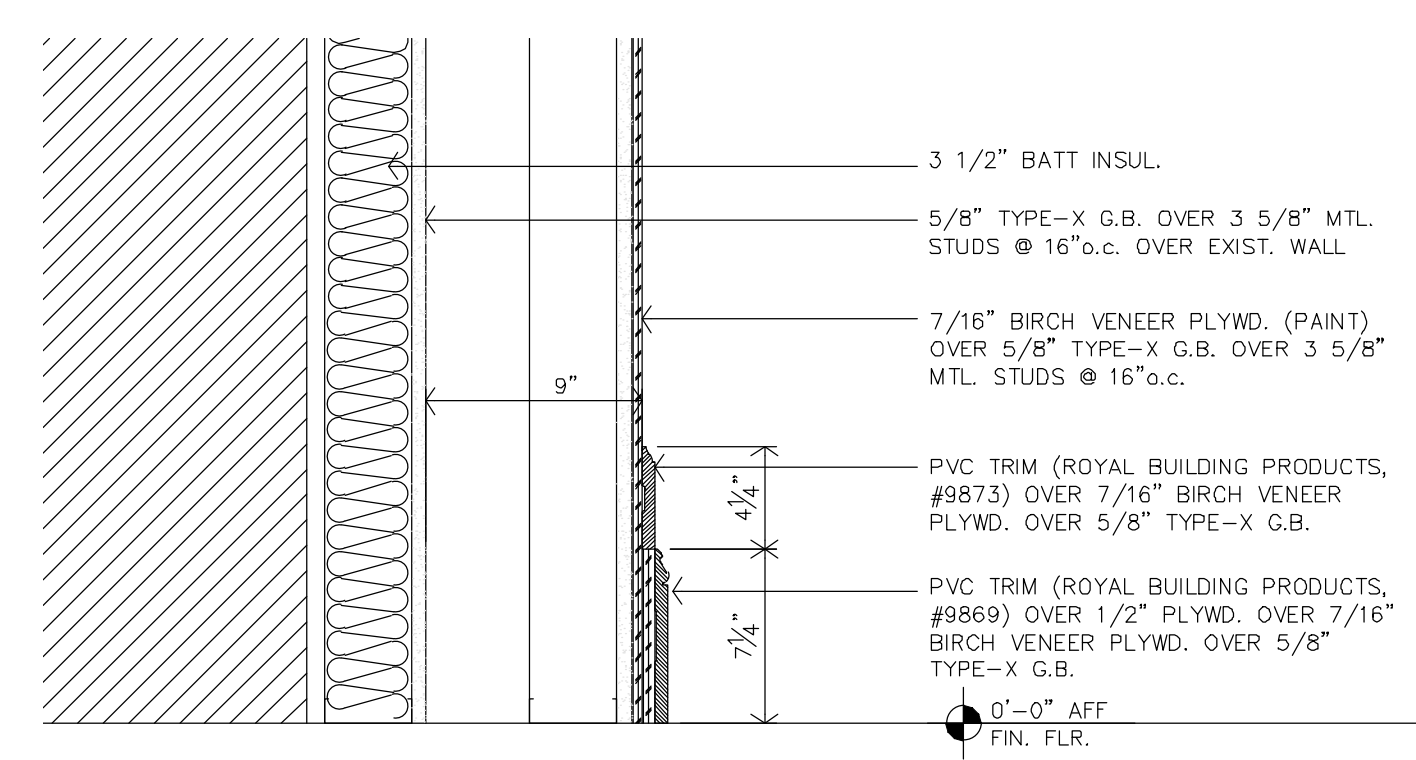
**G PERIMETER CEILING DTL.**  
 1 1/2"=1'-0"



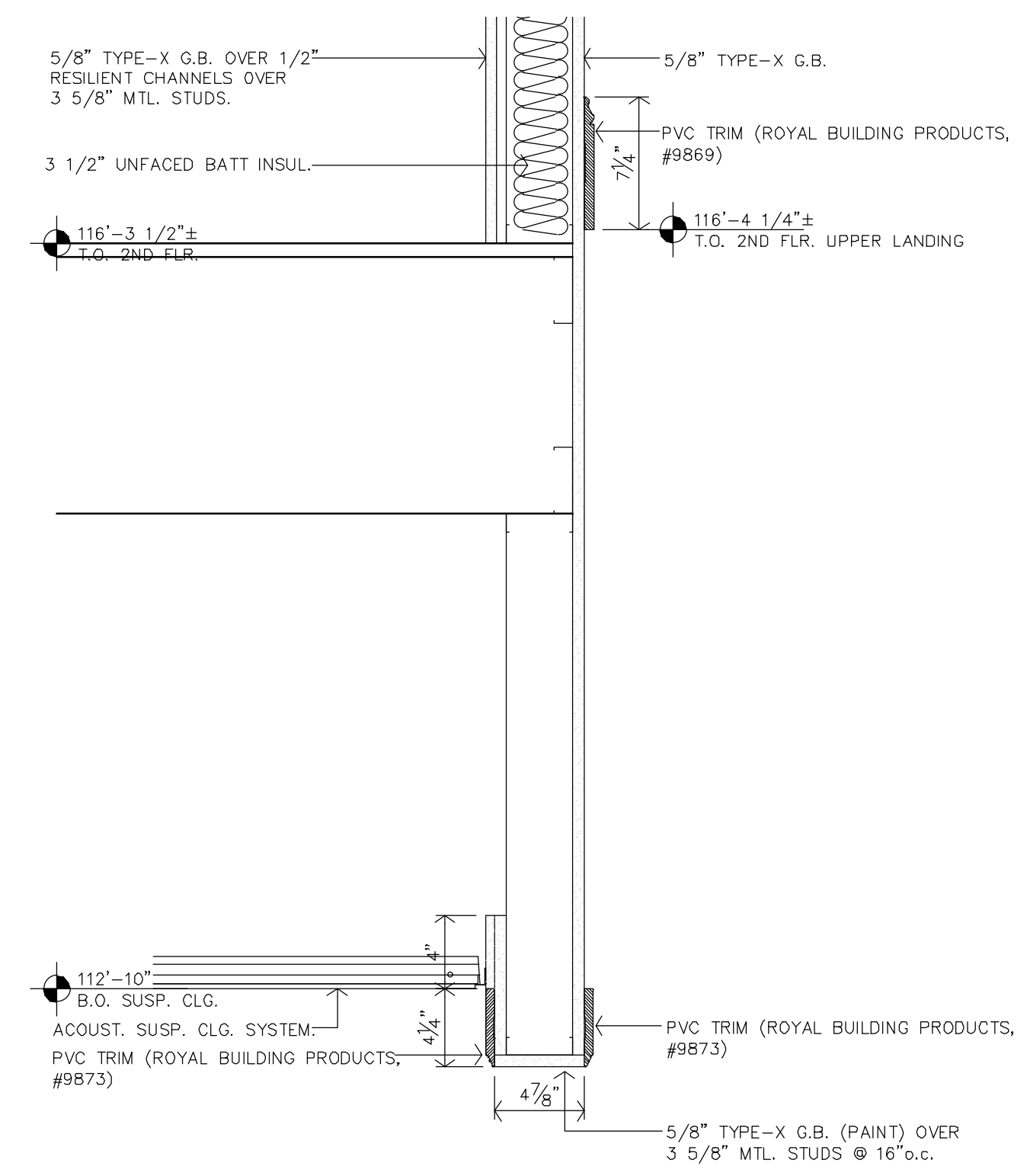
**F WALL WAINSCOT DTL.**  
 1 1/2"=1'-0"



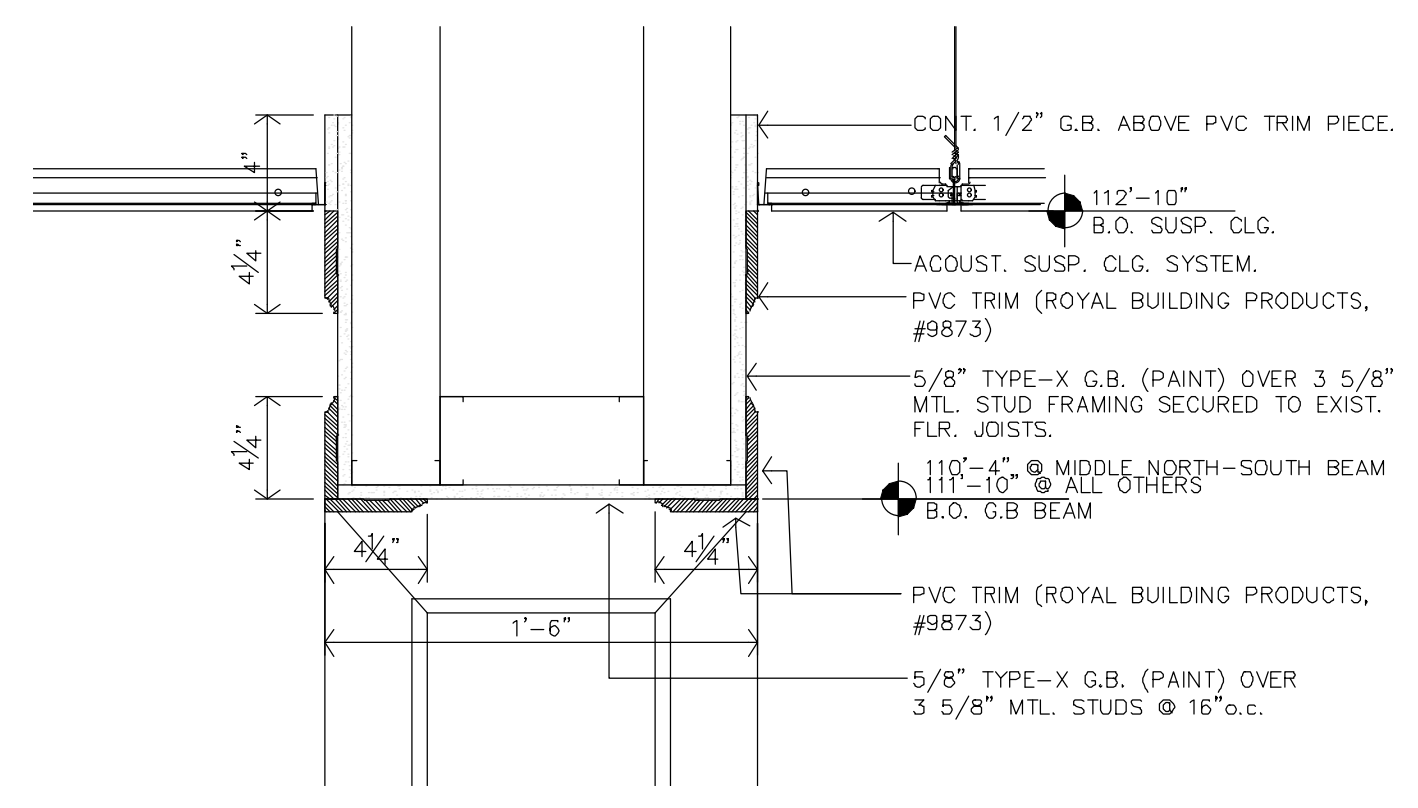
**B TOP OF COLUMN DTL.**  
 1 1/2"=1'-0"



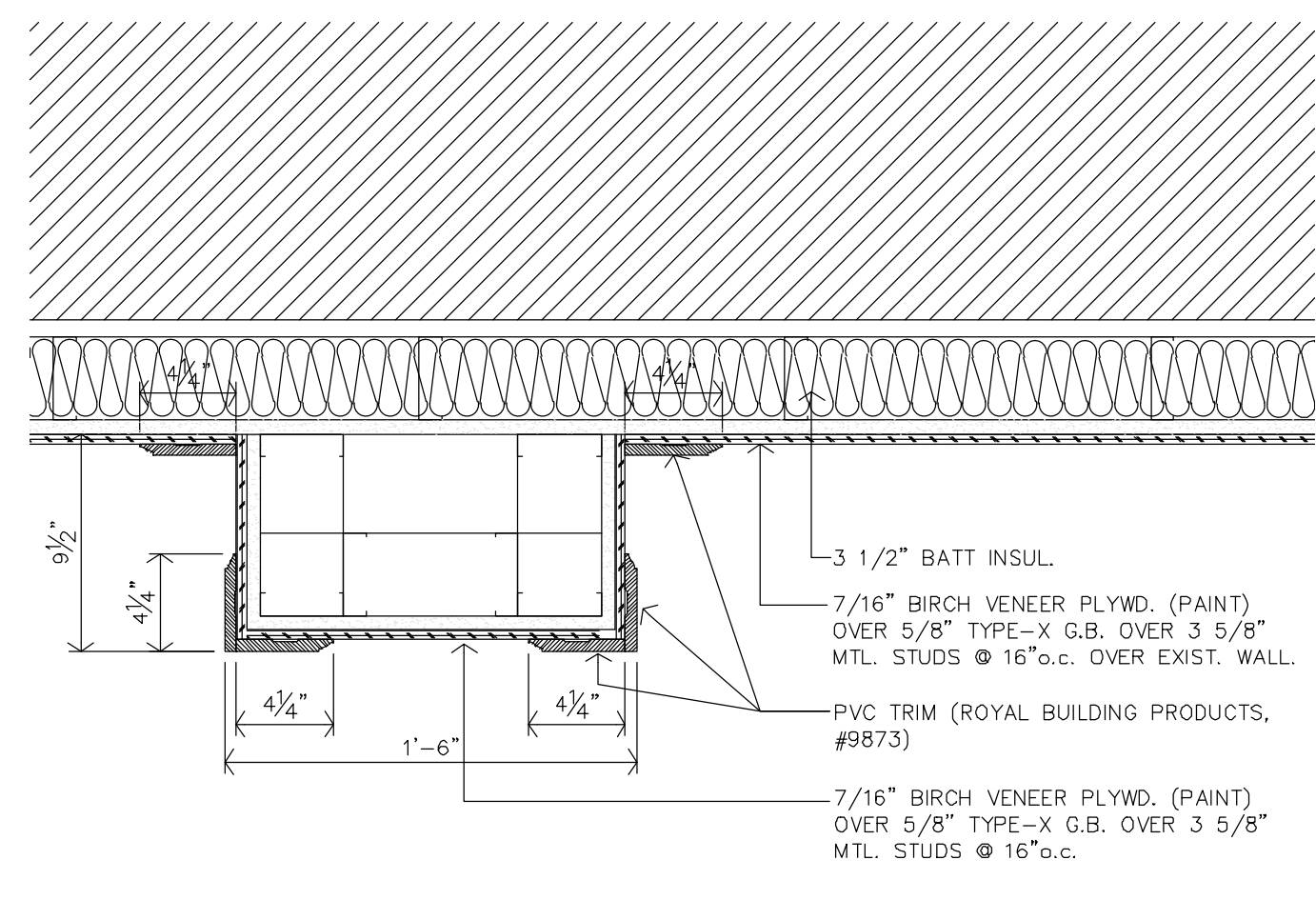
**A COLUMN BASE DTL.**  
 1 1/2"=1'-0"



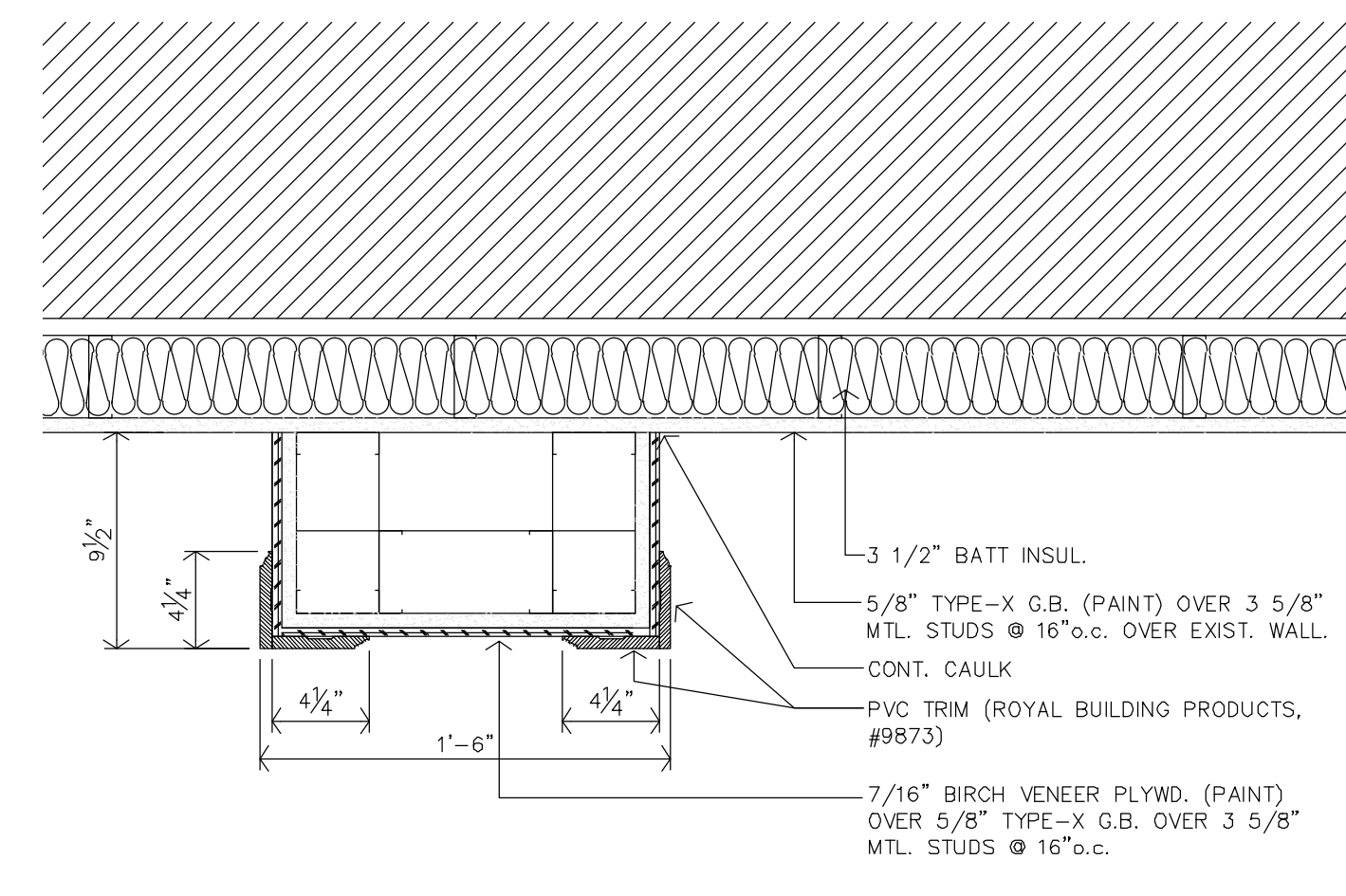
**H ALTERNATE #1 BULKHEAD DTL. @ STAIR**  
 1 1/2"=1'-0"



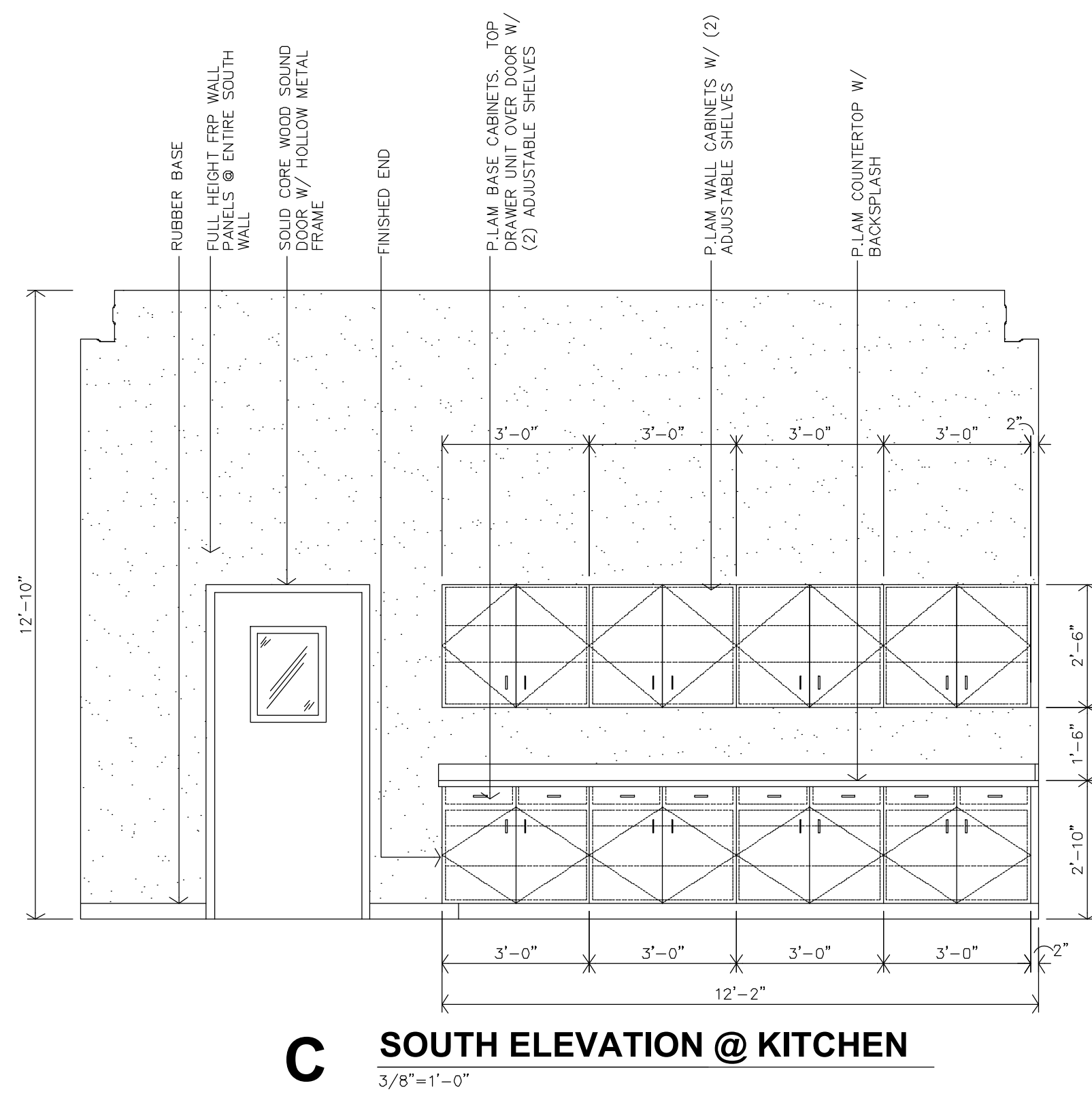
**E BEAM SECTION**  
 1 1/2"=1'-0"



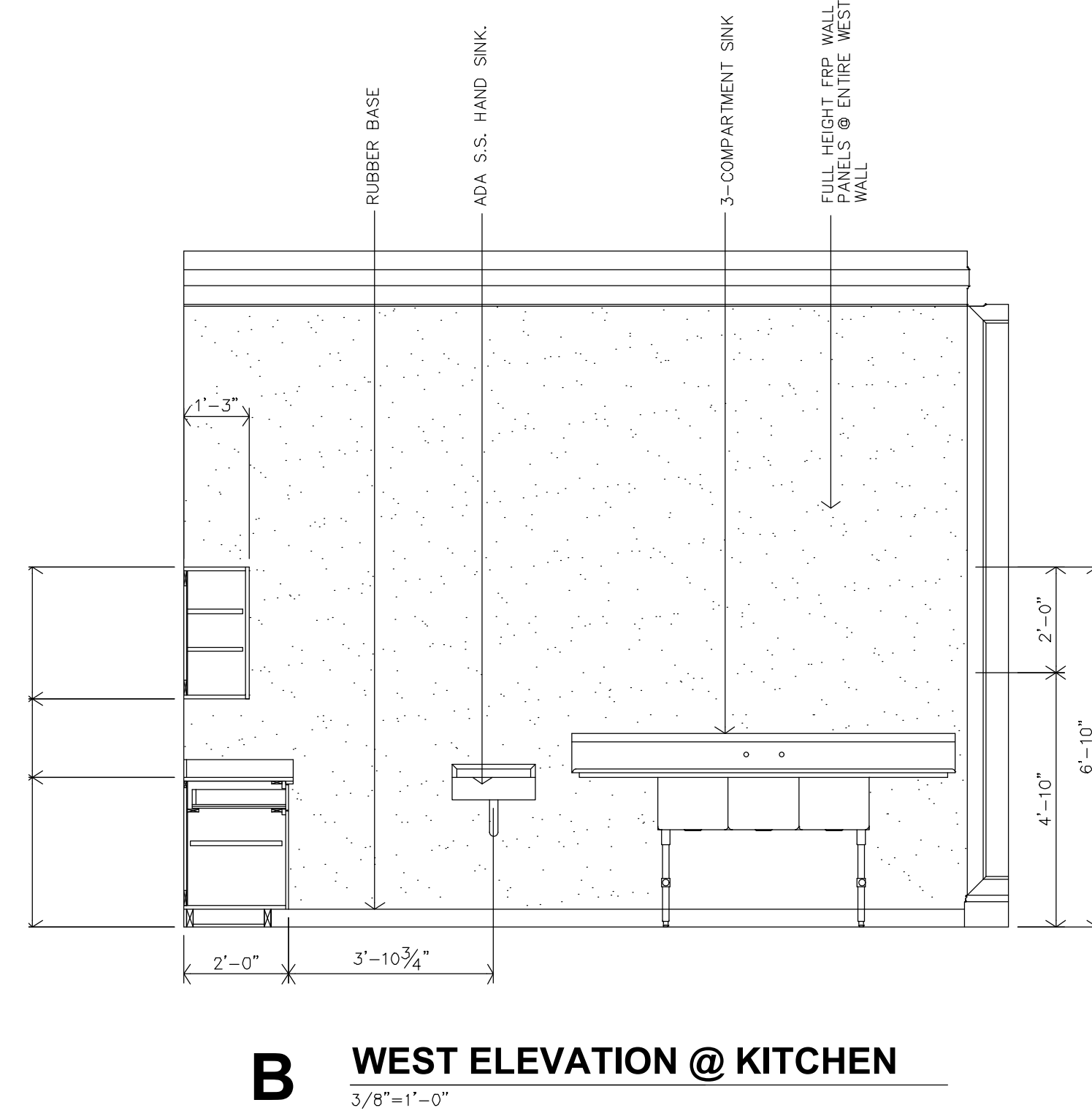
**D COLUMN PLAN SECTION @ WAINSCOT**  
 1 1/2"=1'-0"



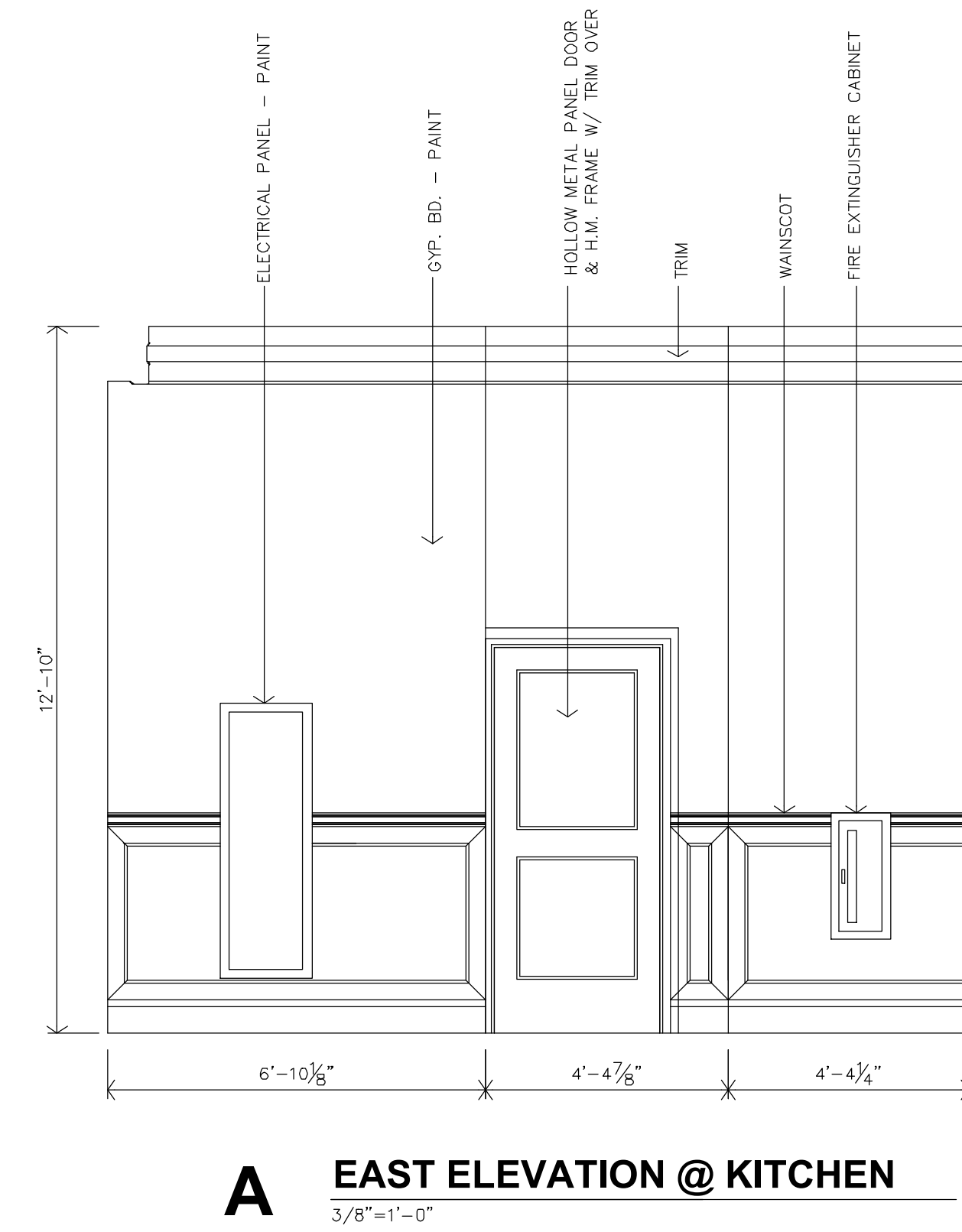
**C COLUMN PLAN SECTION ABOVE WAINSCOT**  
 1 1/2"=1'-0"



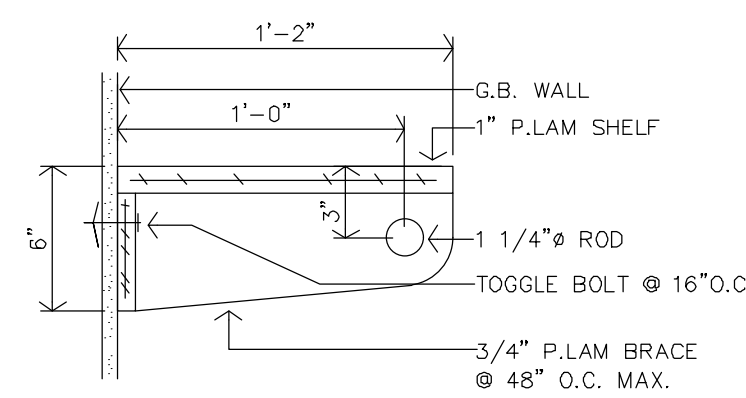
**C SOUTH ELEVATION @ KITCHEN**  
3/8"=1'-0"



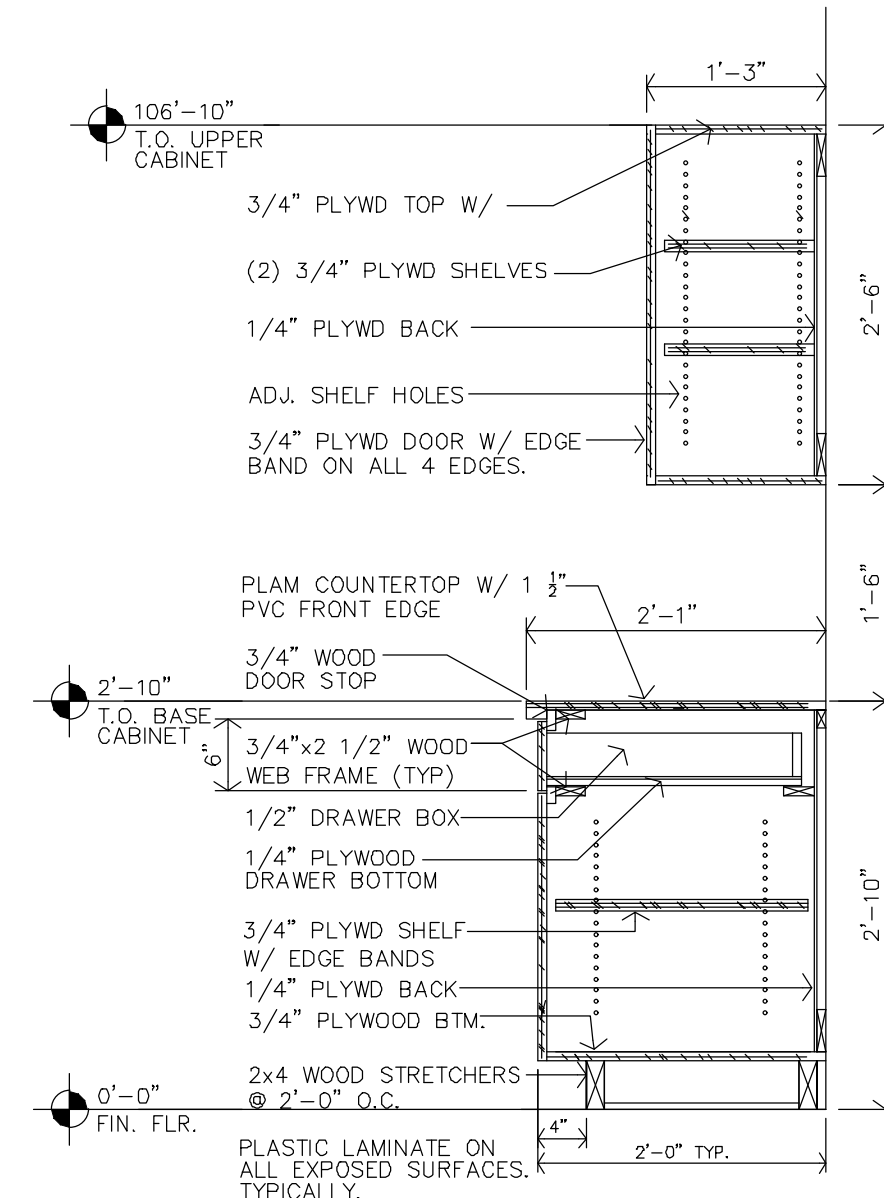
**B WEST ELEVATION @ KITCHEN**  
3/8"=1'-0"



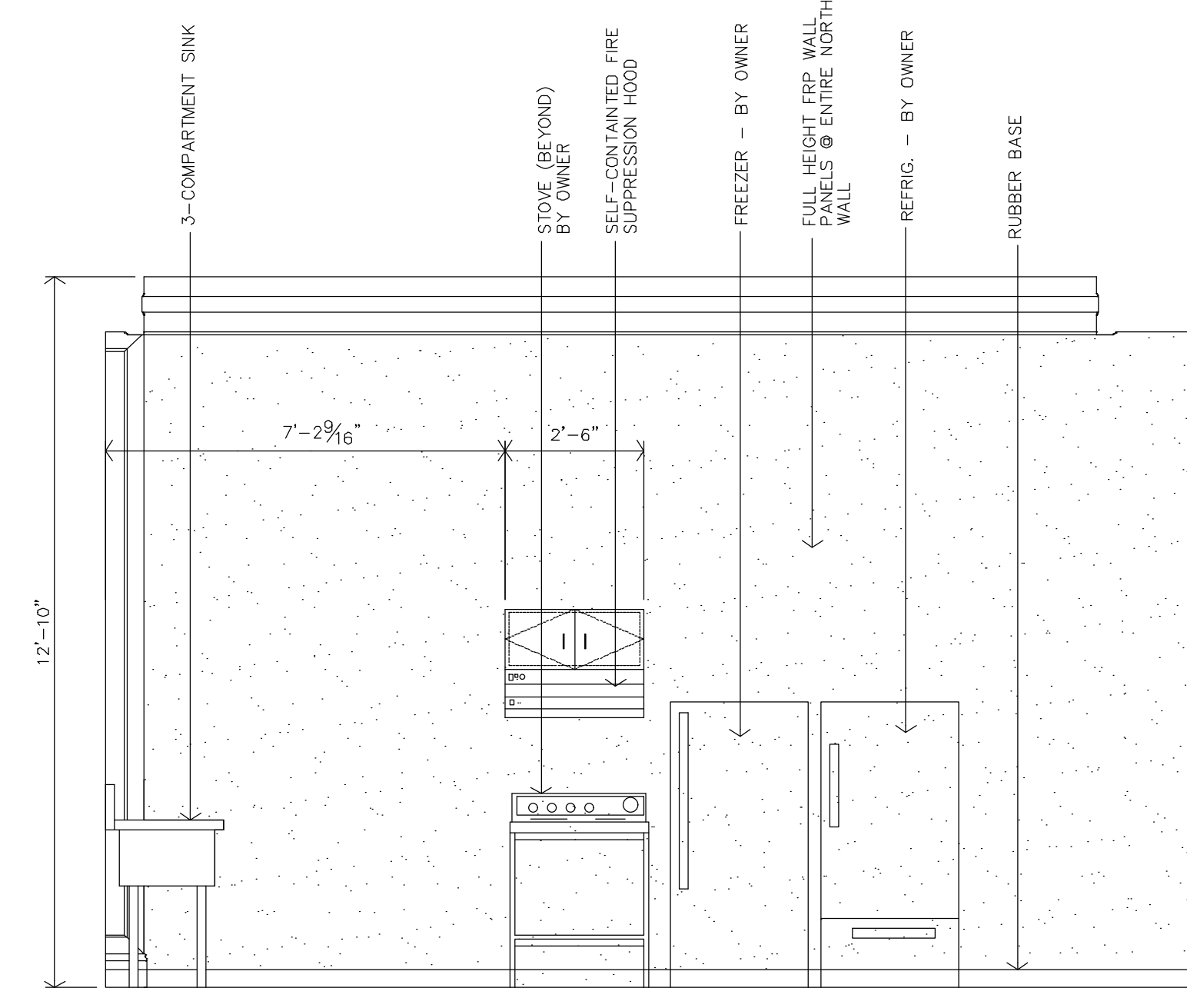
**A EAST ELEVATION @ KITCHEN**  
3/8"=1'-0"



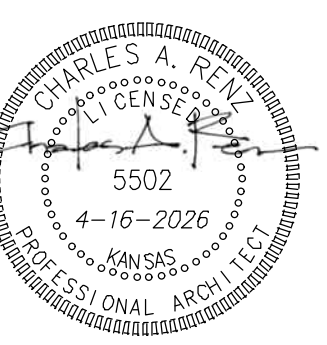
**F COAT SHELF/ROD DTL.**  
1 1/2"=1'-0"



**E TYPICAL KITCHEN CASEWORK SECTION**  
3/4"=1'-0"



**D NORTH ELEVATION @ KITCHEN**  
3/8"=1'-0"



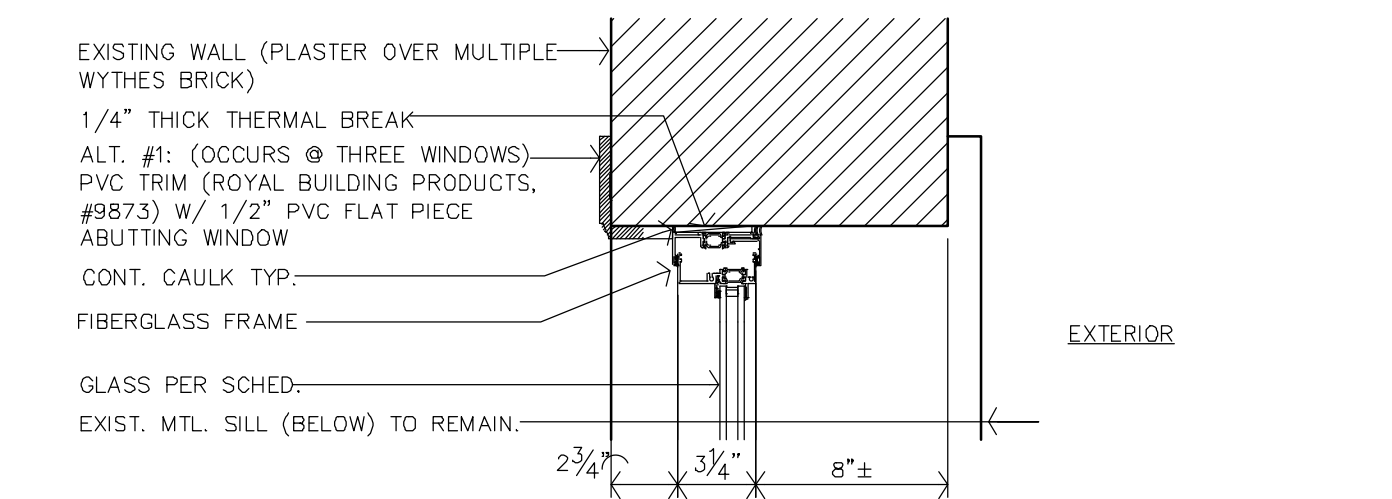
REVISION:	
DATE:	4-16-2026
JOB:	25-3508
SHEET NO.:	

DOOR SCHEDULE												
MARK	DOOR			FRAME			FIRE RATING (MINUTES)	DETAILS	REMARKS			
	SIZE			MATERIAL								
	W	H	T	ALUMINUM	S.C. WOOD	HOLLOW METAL				PLASTIC LAMINATE	TYPE	ALUMINUM
101	3'-0"	6'-8"	1 3/4"	●	●	●	A	●	●	1	A,B-A10.2	1,3
102	2'-4"	6'-8"	1 3/4"	●	●	●	G	●	●	4	C-A10.2	6
104	2'-4"	6'-8"	1 3/4"	●	●	●	G	●	●	4	L-A10.2	6
105	2'-6"	6'-8"	1 3/4"	●	●	●	D	●	●	5	M-A10.5	6
106	4'-4"	6'-8"	1 3/4"	●	●	●	E	●	●	6	E,F,G-A10.2	6
107	3'-0"	6'-8"	1 3/4"	●	●	●	F	●	●	1	D-A10.2	6
108	3'-0"	6'-8"	1 3/4"	●	●	●	F	●	●	1	D-A10.2	6
109	3'-0"	6'-8"	1 3/4"	●	●	●	F	●	●	1	D-A10.2	6
110	3'-0"	7'-0"	1 3/4"	●	●	●	B	●	●	2	A,H,J-A10.2	1,4,6
111	3'-0"	7'-0"	1 3/4"	●	●	●	B	●	●	2	A,K-A10.2	1,4,6
112	3'-0"	6'-8"	1 3/4"	●	●	●	G	●	●	1	D-A10.2	5,6
B1	4'-0"	6'-8"	1 3/4"	●	●	●	F	●	●	7	N-A10.2	
ALTERNATE #1												
113	PR 3'-0"	6'-8"	1 3/4"	●	●	●	F	●	●	3	D-A10.2	2,6
201	3'-4"	6'-8"	1 3/4"	●	●	●	J	●	●	8	D-A10.2	6

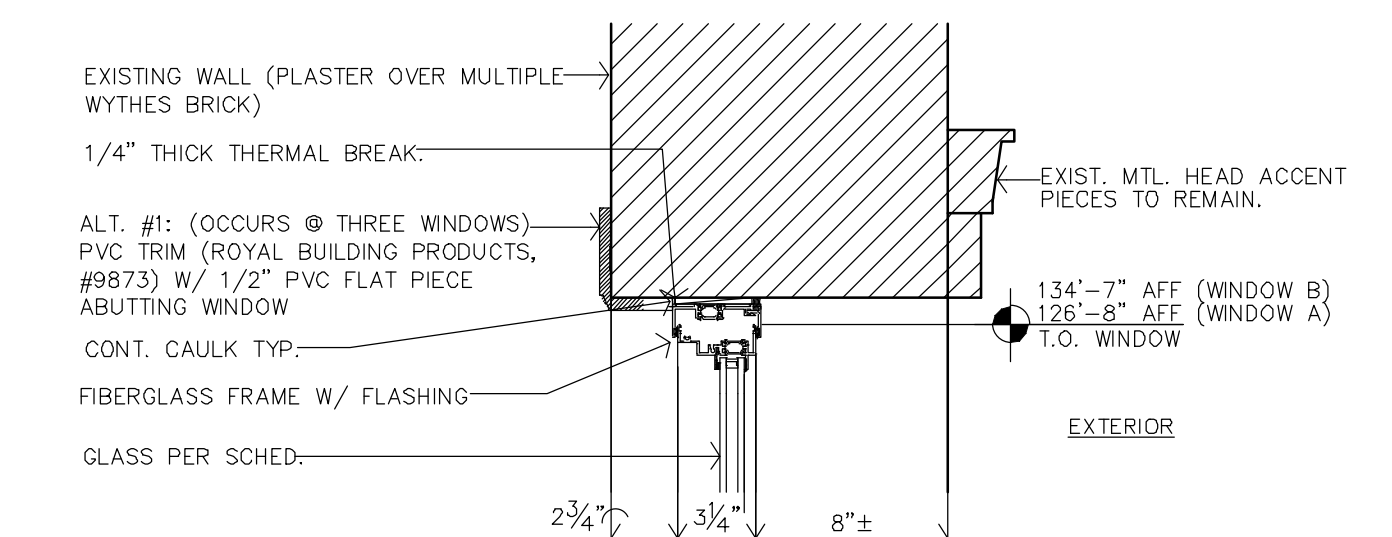
NOTES:  
 1. CONTRACTOR MUST INSTALL MTL. FLASHINGS & CAULK FOR A WEATHER & WATER-TIGHT CONDITION @ ALL EXTERIOR DOORS & DOOR FRAMES/UNITS.  
 2. PROVIDE & INSTALL A REMOVABLE MULLION.  
 3. DOOR & FRAME SHALL BE PREPARED FOR AUTO OPENER.  
 4. PROVIDE & INSTALL TWO PEEPHOLES. ONE MOUNTED AT 42" AFF & THE OTHER AT 58" AFF.  
 5. SOUND DOOR.  
 6. PROVIDE & INSTALL PVC TRIM AS NOTED PER EACH DETAIL.

WINDOW SCHEDULE						
MARK	SIZE		STYLE	QUANTITY	DETAILS	NOTES
	W	H				
A	2'-11"	6'-9"	FIBERGLASS WINDOW, FIXED	19	D,E,F,G-A10.1	1,2,4,5,6
B	2'-11"	3'-7 1/4"	FIBERGLASS WINDOW, FIXED	5	D,E,F,G-A10.1	1,2,4,5
C	3'-4"	6'-10"	FIBERGLASS STOREFRONT, FIXED	1	H,J-A10.1	1,2,4
D	2'-11"	6'-9"	FIBERGLASS WINDOW, FIXED	4	D,E,F,G-A10.1	1,2,3,4,5,7

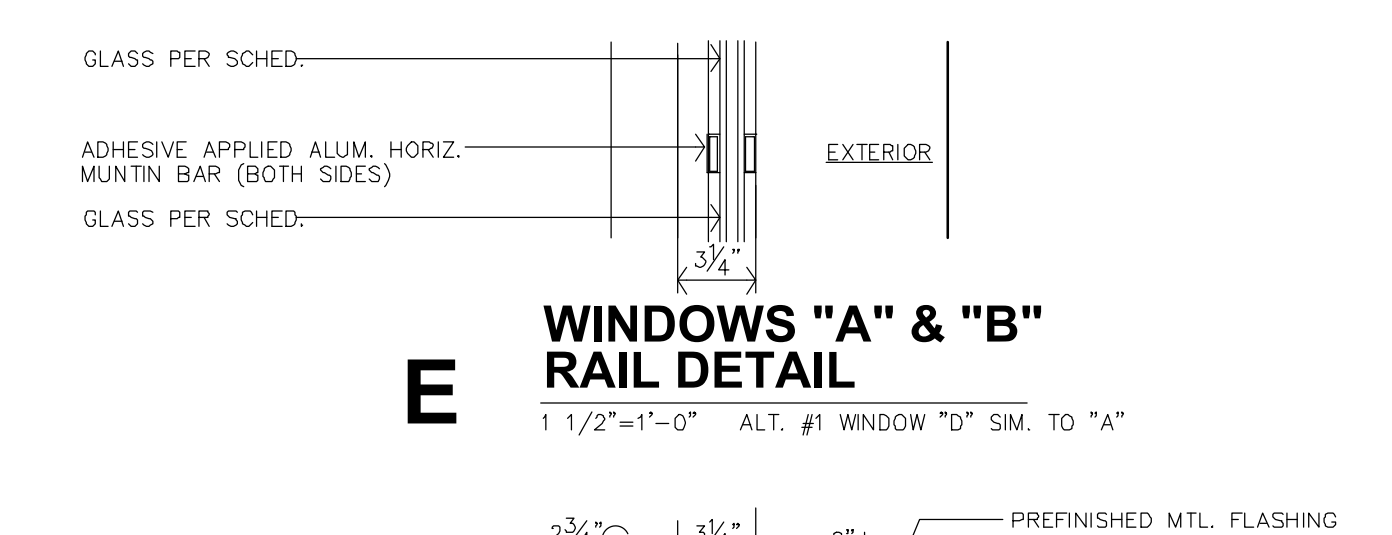
NOTES:  
 1. CONTRACTOR MUST INSTALL MTL. FLASHINGS & CAULK FOR A WEATHER & WATER-TIGHT CONDITIONS @ ALL EXTERIOR WINDOW UNITS.  
 2. CONTRACTOR MUST INSTALL 1/4" INSUL. OR THERMAL BREAK, CONTINUOUS AROUND WINDOW.  
 3. INSTALL PVC PERIMETER TRIM AROUND THREE STARWAY WINDOWS. VERIFY WITH ARCHITECT.  
 4. FIELD VERIFY & COORDINATE EXISTING ROUGH-OPENING PRIOR TO FABRICATION OF WINDOWS.  
 5. REMOVE ENTIRE EXISTING WINDOW UNIT INCLUDING ALL INTERIOR TRIM. EXTERIOR METAL SILL & HEAD TO REMAIN.  
 6. QUANTITY IS FIFTEEN PER ALTERNATE #1.  
 7. QUANTITY IS FOUR PER ALTERNATE #2. DO NOT INCLUDE IN BASE BD.



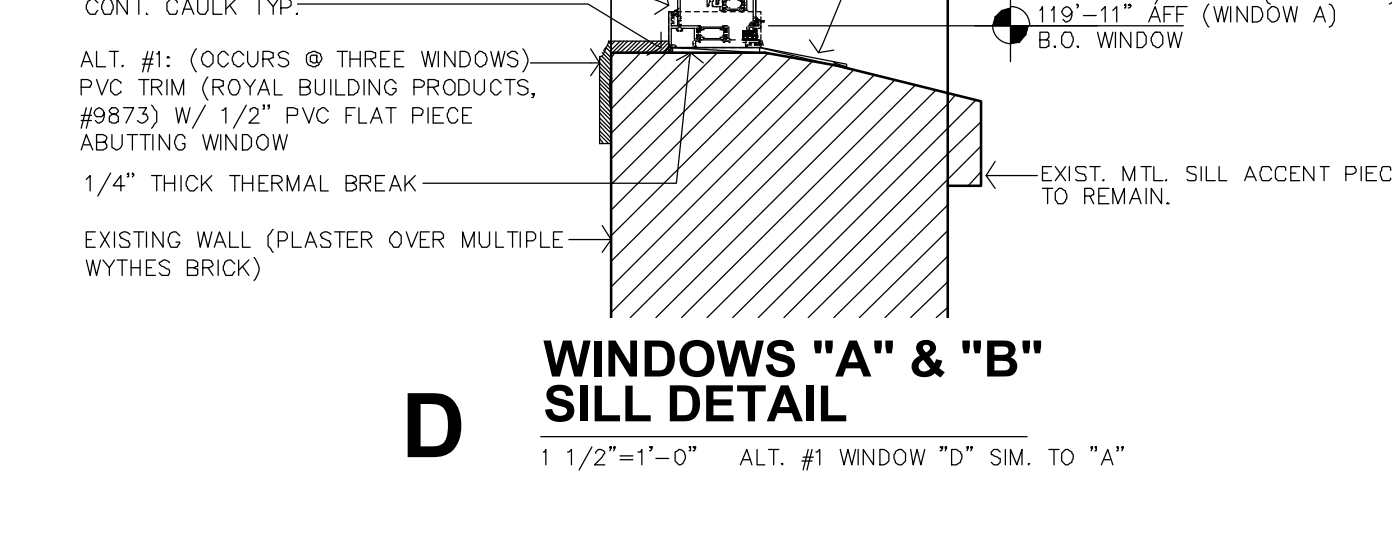
**G WINDOWS "A" & "B" JAMB DETAIL**  
 1 1/2"=1'-0" ALT. #1 WINDOW "D" SIM. TO "A"



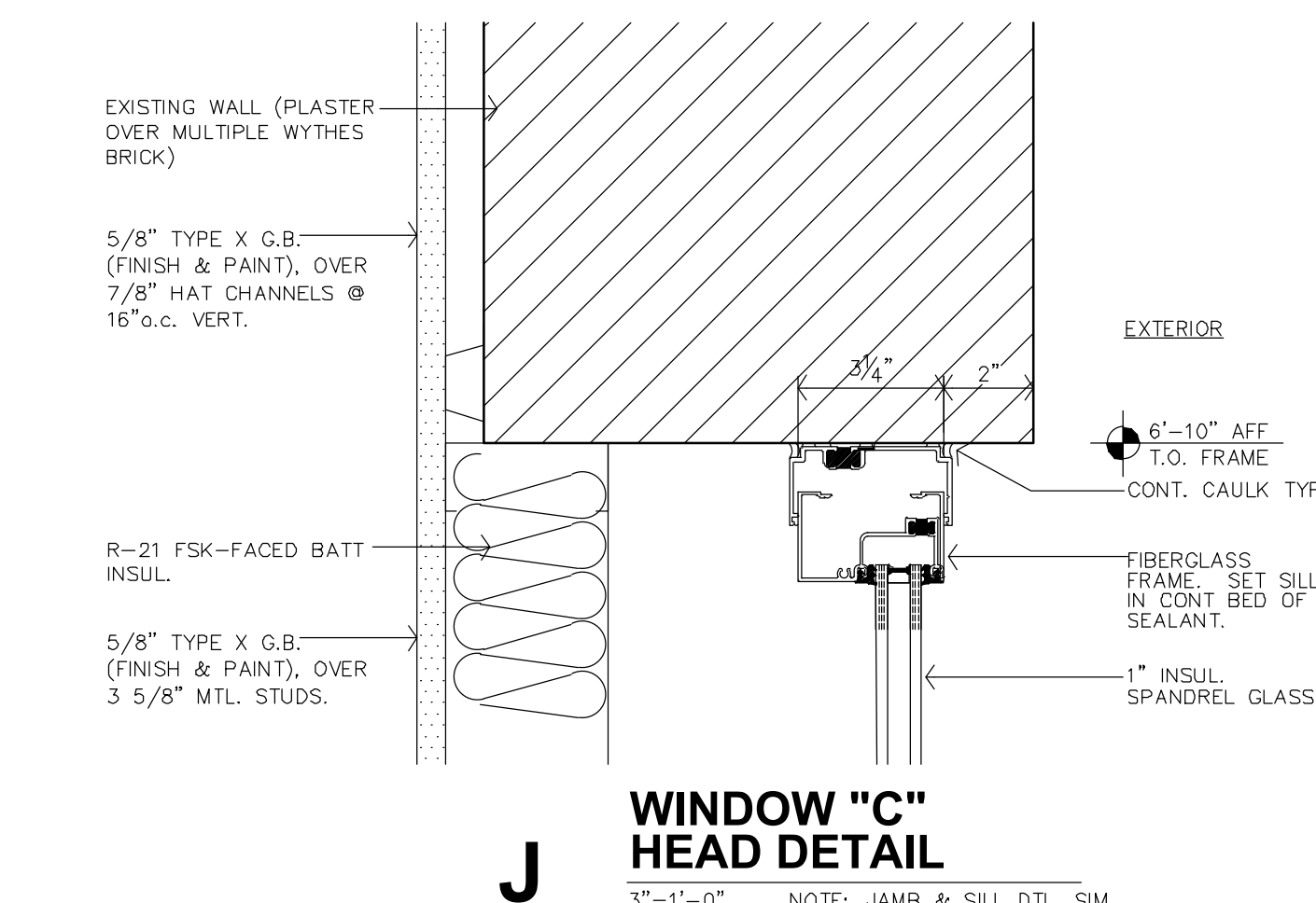
**F WINDOWS "A" & "B" HEAD DETAIL**  
 1 1/2"=1'-0" ALT. #1 WINDOW "D" SIM. TO "A"



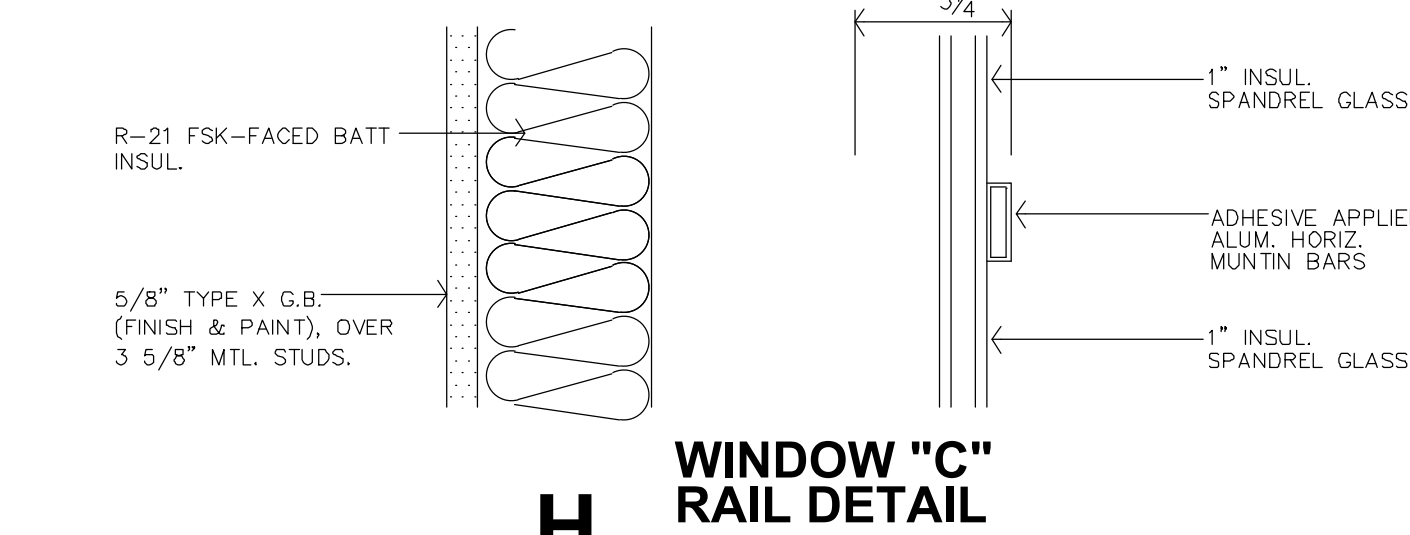
**E WINDOWS "A" & "B" RAIL DETAIL**  
 1 1/2"=1'-0" ALT. #1 WINDOW "D" SIM. TO "A"



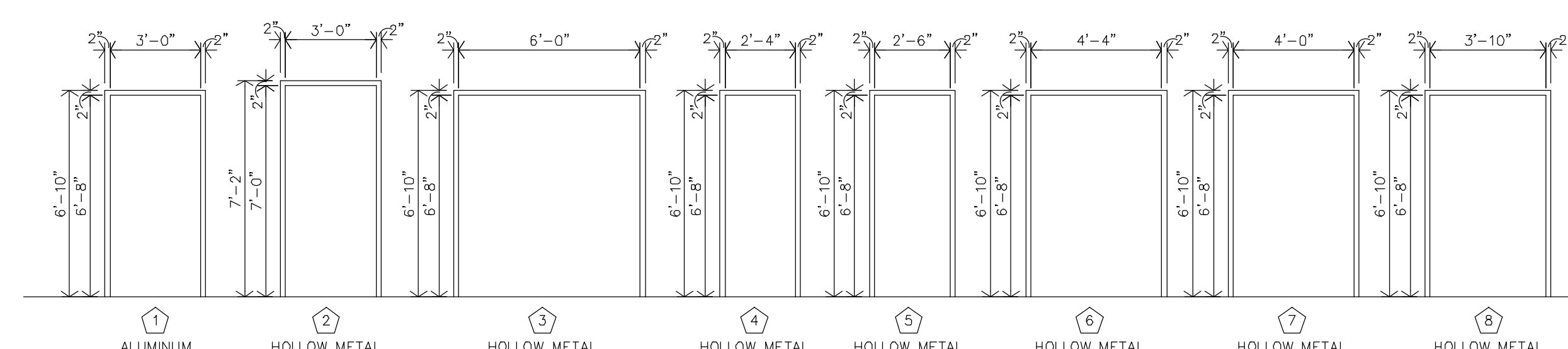
**D WINDOWS "A" & "B" SILL DETAIL**  
 1 1/2"=1'-0" ALT. #1 WINDOW "D" SIM. TO "A"



**J WINDOW "C" HEAD DETAIL**  
 3"=1'-0" NOTE: JAMB & SILL DTL. SIM.



**H WINDOW "C" RAIL DETAIL**  
 3"=1'-0"



**B DOOR FRAME TYPES**  
 1/4"=1'-0"

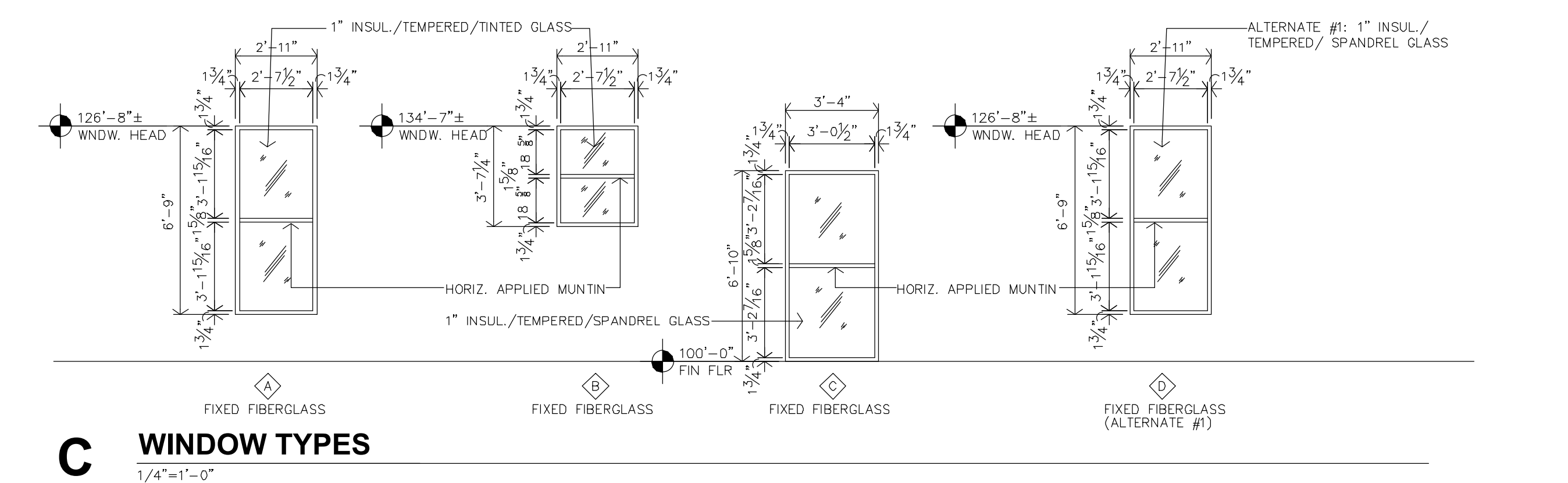
INTERIOR FINISH SCHEDULE																				
NO.	DESCRIPTION	FINISHES & INSTRUCTIONS																		
		FLOOR			BASE		N. WALL		E. WALL		S. WALL		W. WALL		CEILING		HGT.	NOTES		
		LVT	ER	CT	PVC	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2	S			ER	
B1	BASEMENT																	7'-6"± BTM. OF WD. JOISTS		
B2	BASEMENT																	7'-6"± BTM. OF WD. JOISTS		
102	ASSEMBLY AREA	LVT			PVC												S	P4	12'-10" SUSP. CLG.	1,2
103	STORAGE																		VARIES	
104	WOMEN'S RESTROOM																		9'-0"	3
105	MEN'S RESTROOM																		9'-0"	3
106	JANITOR/ELECTRICAL	LVT			PVC														15'-0"± BTM. OF WD. JOISTS	
107	HALL	LVT			PVC														12'-10" SUSP. CLG.	1,2
108	KITCHEN	LVT			PVC														12'-10" SUSP. CLG.	1,2,4
201	UNFINISHED																		VARIES (17'-10"± TO 19'-10"±)	
S1	STAIR																			
ALTERNATE #1																				
101	TABLE & CHAIR STORAGE	LVT			RB			P1											9'-0"	
201	UNFINISHED																		VARIES (17'-10"± TO 19'-10"±)	5
S2	STAIR	LVT						P1											27'-2"	6
ET	ELEVATOR SHAFT				C														28'-11 1/2" BTM. OF HOIST BEAM	

GENERAL NOTES:  
 A. ALL GYPSUM BOARD AREAS WHICH ARE ACCESSORIES TO THE ROOM INCLUDING BUT NOT LIMITED TO SOFFITS, BULKHEADS, TRIM, ETC. SHALL BE PAINTED REGARDLESS OF WHETHER IT IS SPECIFICALLY INDICATED PER SCHEDULE.  
 B. INSTALL METAL SCLUTTER TRANSITION TRIM AT FLOOR & WALL MATERIAL TRANSITIONS, UNLESS BULLNOSE OR WOOD IS INDICATED.  
 C. INSTALL MOISTURE RESISTANT G.B. AT ALL WALLS.  
 D. INSTALL TRANSITION STRIP BETWEEN FLOOR MATERIAL OF DIFFERING HEIGHTS.  
 E. ALL W.M. DOORS & FRAMES TO BE SPRAY PAINTED (NOT BRUSHED) W/ INDUSTRIAL ENAMEL.  
 F. FLOORING CONTRACTOR SHALL VERIFY THAT SUBFLOOR IS LEVEL AND PROPERLY PREPPED PRIOR TO INSTALLATION OF ANY FLOORING MATERIAL.  
 G. ALL CONTROL JOINTS AT EXPOSED CONCRETE FLOORS SHALL RECEIVE SEALANT COMPATIBLE W/ FLOOR SEALER.  
 H. CONTRACTOR SHALL COORDINATE WITH INTERIOR ELEVATIONS, FLOOR PLANS AND MISCELLANEOUS DETAILS TO VERIFY ALL AESTHETIC ACCENTS AND DETAILS.  
 I. ALL EXPOSED GYPSUM BOARD SHALL RECEIVE A LEVEL 5 FINISH.

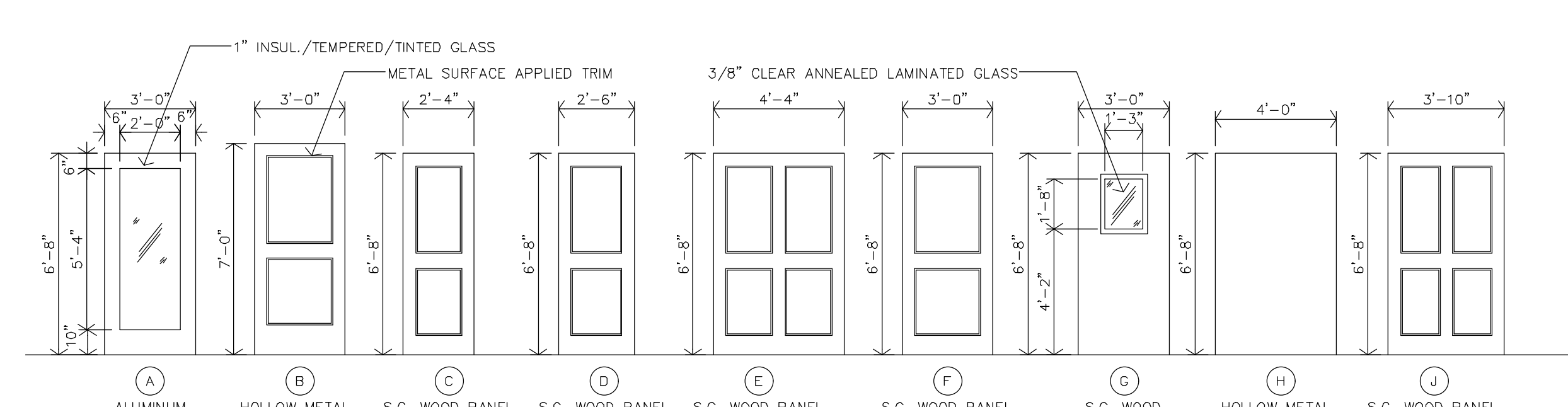
SPECIAL NOTES:  
 1. PVC WANSKOT TRIM, COLUMN TRIM & CEILING BEAM TRIM. PAINT BIRCH VENEER PANELS @ COLUMNS WITH P3.  
 2. BOTTOM OF NORTH-SOUTH CENTER GYPSUM BOARD OF CEILING BEAM SHALL BE AT 11'-10".  
 3. REFERENCE SHEET A8.1 FOR INTERIOR ELEVATION OF BATHROOM ACCENT CERAMIC WALL TILE.  
 4. RUBBER BASE OCCURS ONLY AT AREAS OF TRIP WALL PANELS.  
 5. TAPE, M.D. SAND & PRIME PAINT ALL NEW GYPSUM BOARD.  
 6. STAIN WOOD HANDRAIL. PAINT STEEL BALUSTERS, STRINGER & RISERS. INSTALL PREFINISHED MTL. SCLUTTER EDGE AT EVERY STAIR TREAD LVT.  
 7. ALTERNATE #2: INSTALL NEW CONCRETE FLOOR SLAB.

**BUILD AMERICA, BUY AMERICA (BABA) COMPLIANCE NOTE**

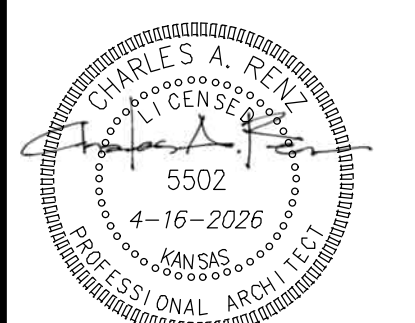
THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE BUILD AMERICA, BUY AMERICA ACT (BABA). ALL MATERIALS, PRODUCTS, EQUIPMENT & FIXTURES INCORPORATED INTO THE WORK SHALL COMPLY WITH APPLICABLE BABA REQUIREMENTS UNLESS SPECIFICALLY EXEMPTED BY THE OWNER OR APPLICABLE FUNDING AGENCY. EQUIPMENT, FIXTURES & MATERIALS IDENTIFIED IN SPECIFICATIONS OR DRAWINGS ARE PROVIDED FOR BASIS OF DESIGN & TO ESTABLISH REQUIRED PERFORMANCE, CAPACITY & QUALITY STANDARDS ONLY. SCHEDULED ITEMS MAY OR MAY NOT BE BABA COMPLIANT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH MANUFACTURERS & SUPPLIERS TO VERIFY & DOCUMENT THAT ALL PRODUCTS FURNISHED & INSTALLED COMPLY WITH BABA REQUIREMENTS. WHERE SCHEDULED EQUIPMENT OR SPECIFIED PRODUCTS ARE NOT BABA COMPLIANT, THE CONTRACTOR SHALL PROVIDE COMPLIANT EQUIPMENT, MATERIALS OR FIXTURES MEETING OR EXCEEDING THE SPECIFIED PERFORMANCE, CAPACITY, EFFICIENCY, DIMENSIONAL & FUNCTIONAL REQUIREMENTS. SUBSTITUTIONS REQUIRED FOR BABA COMPLIANCE SHALL BE SUBMITTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS FOR REVIEW PRIOR TO BIDDING.



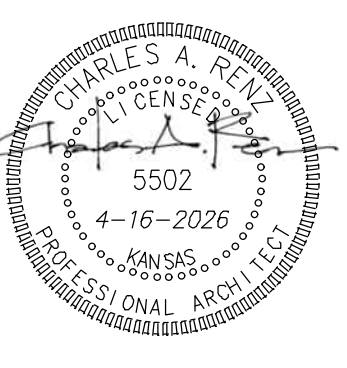
**C WINDOW TYPES**  
 1/4"=1'-0"



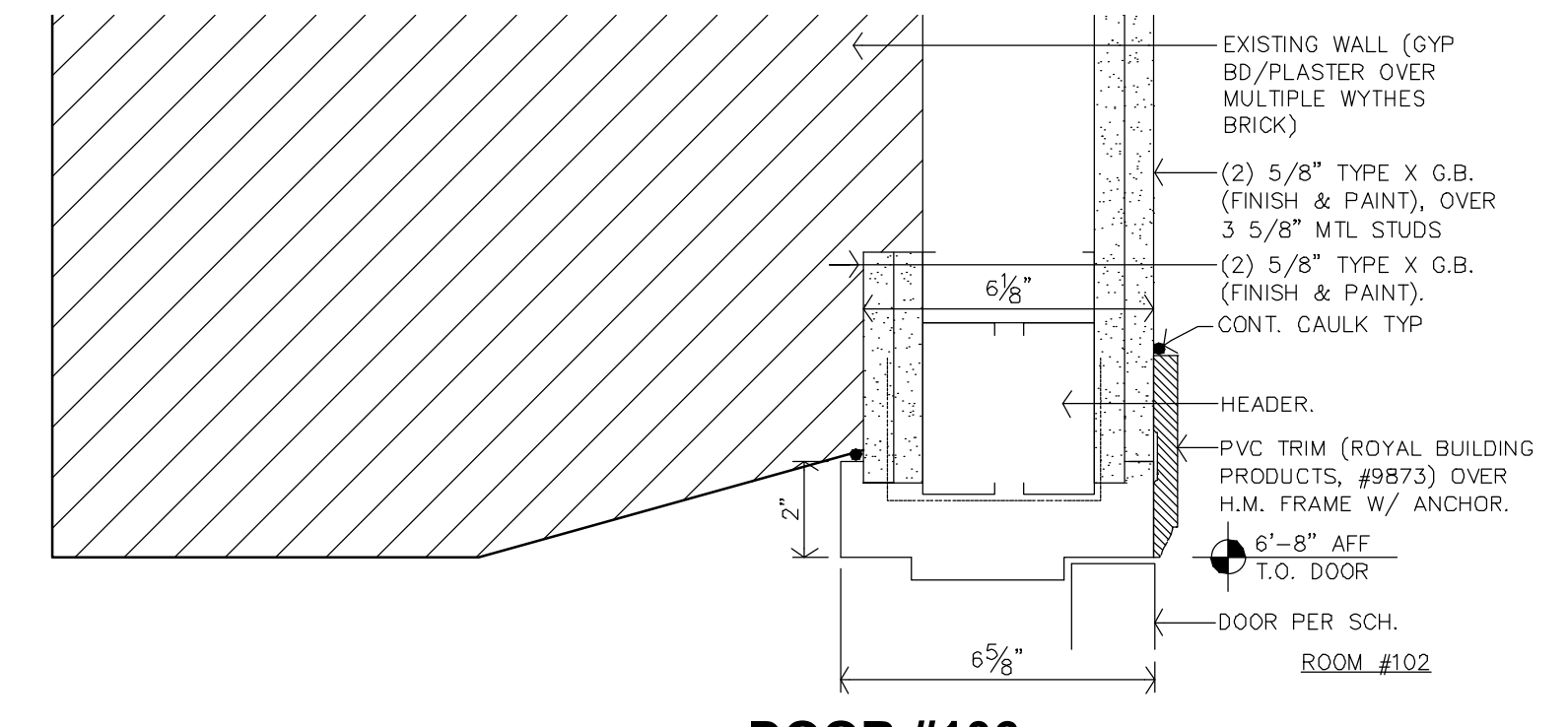
**A DOOR TYPES**  
 1/4"=1'-0"



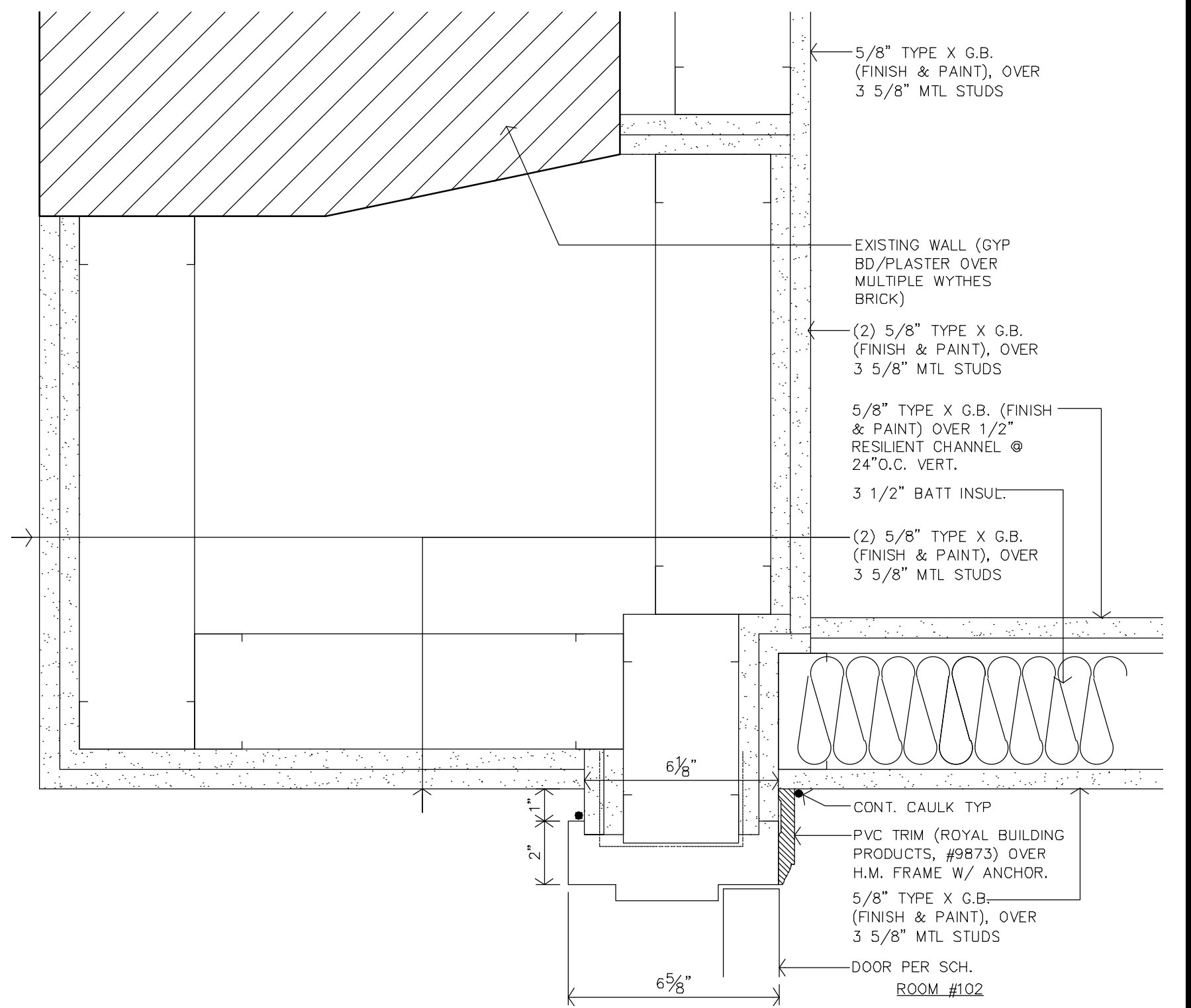
REVISION:	
DATE:	4-16-2026
JOB:	25-3508
SHEET NO.:	



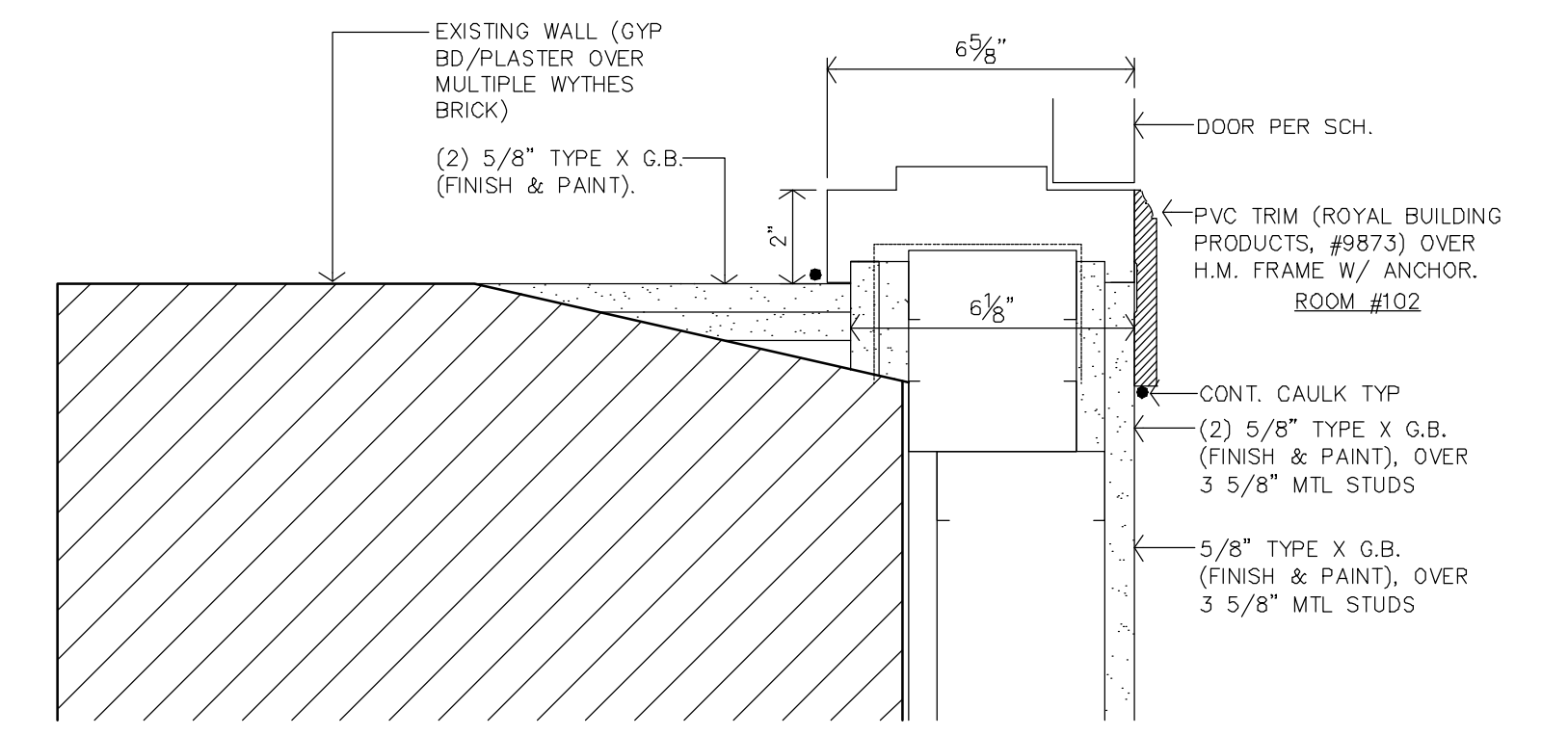
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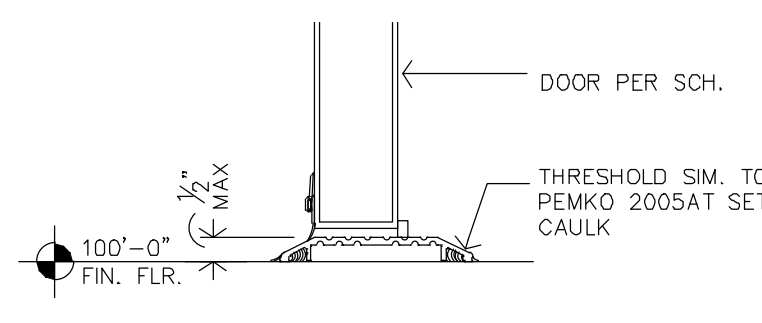
**G DOOR #106 HEAD DETAIL**  
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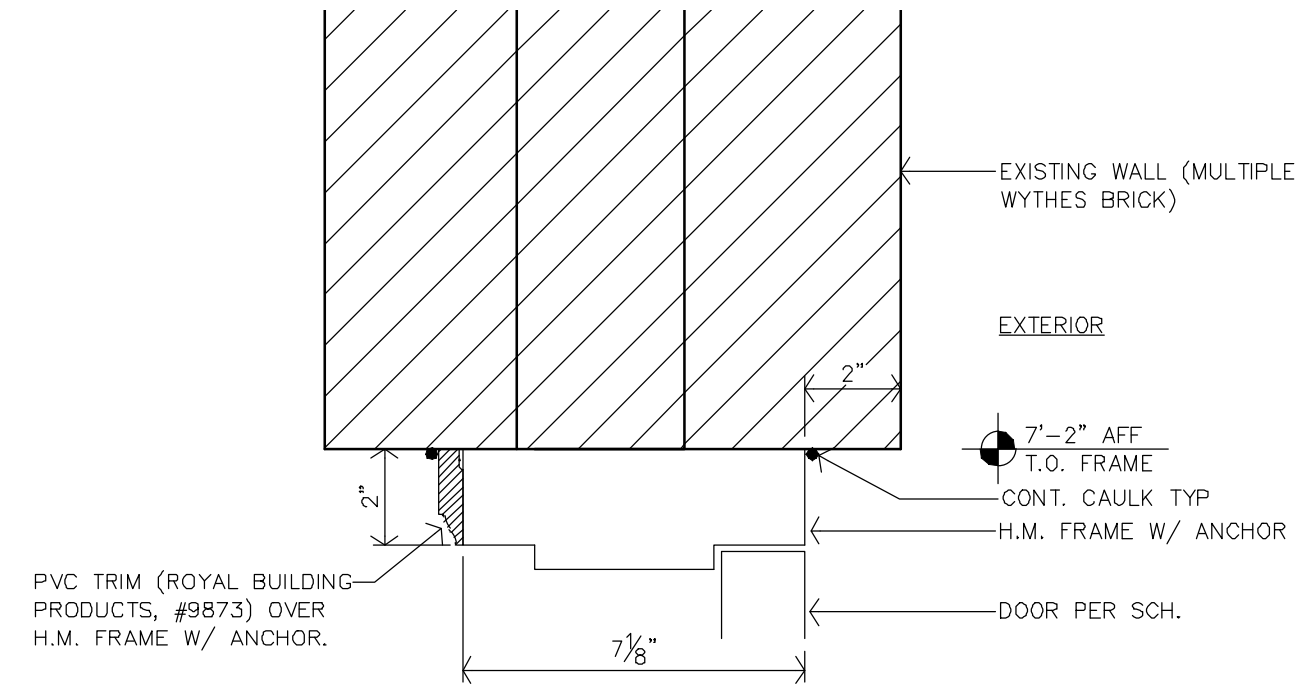
**F DOOR #106 JAMB DETAIL**  
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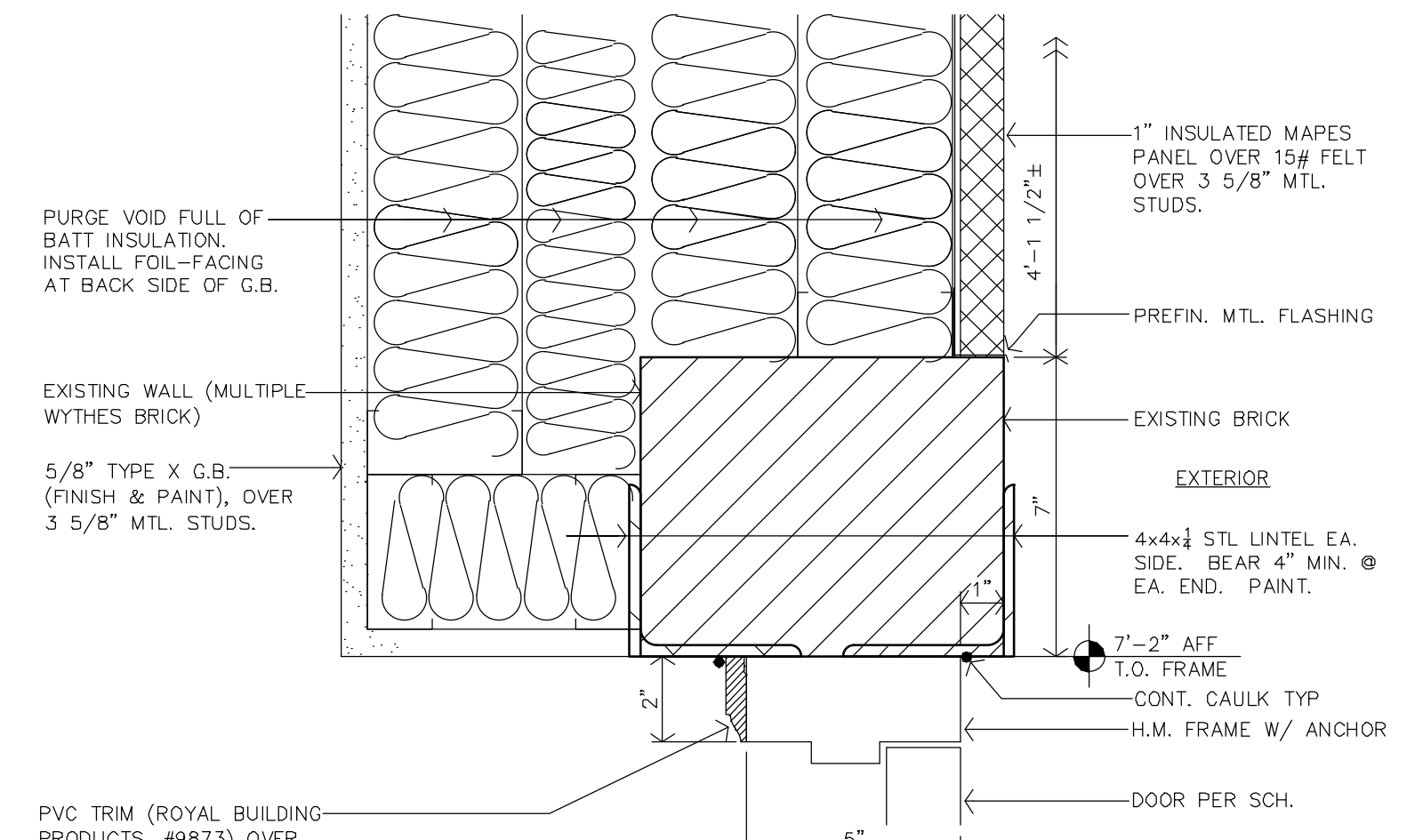
**E DOOR #106 JAMB DETAIL**  
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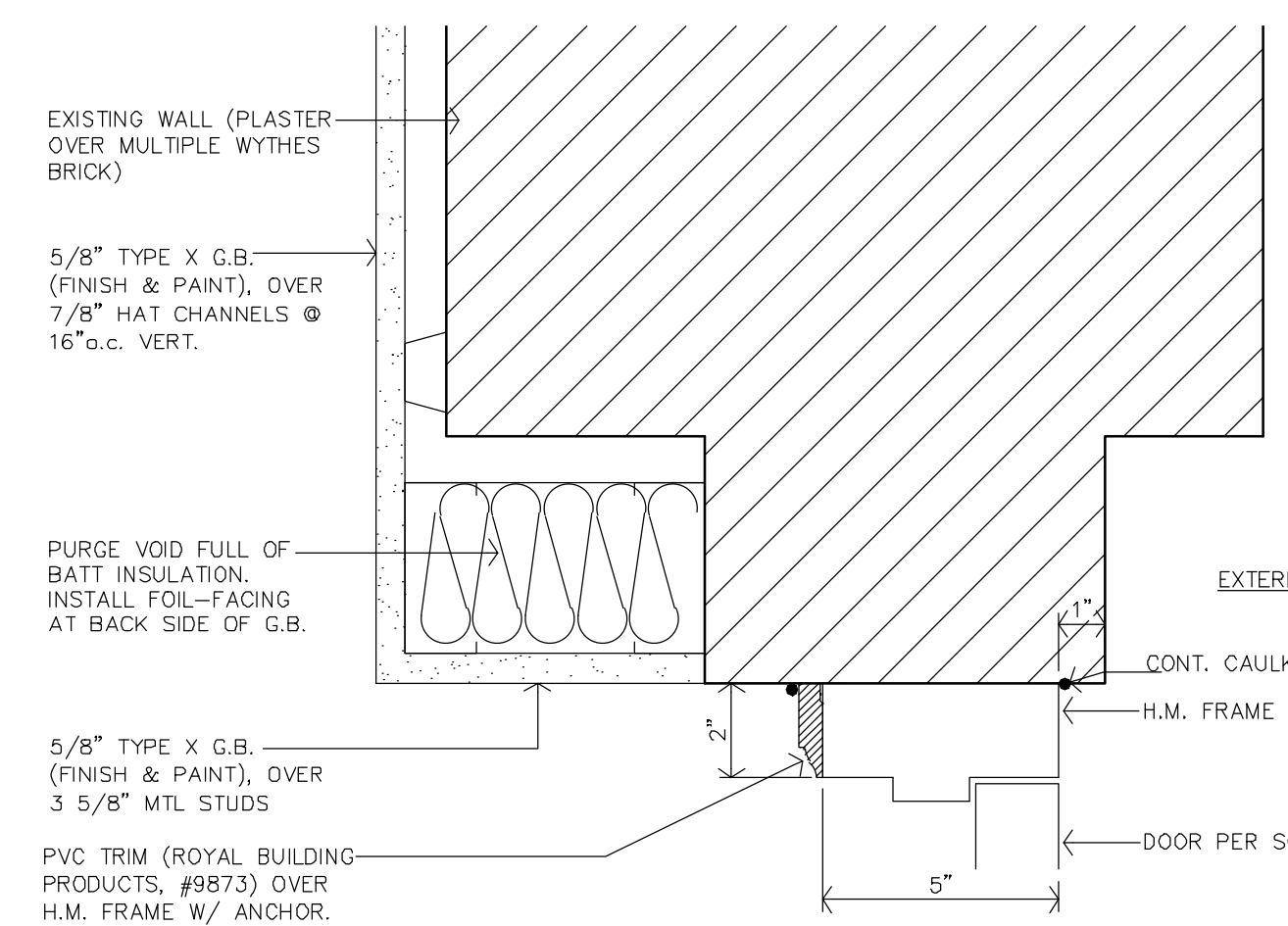
**A DOORS #101, #110, #111 THRESHOLD DETAIL**  
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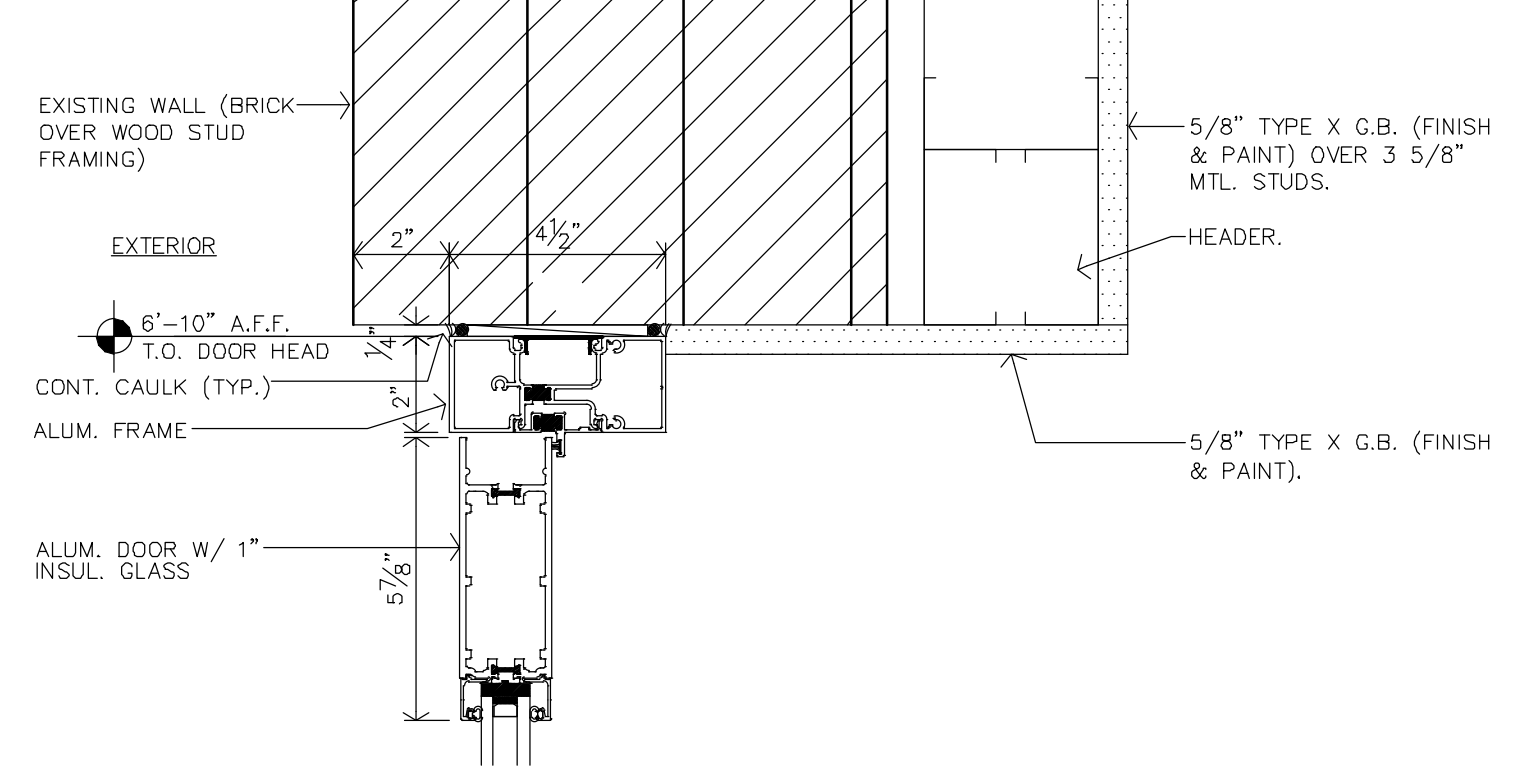
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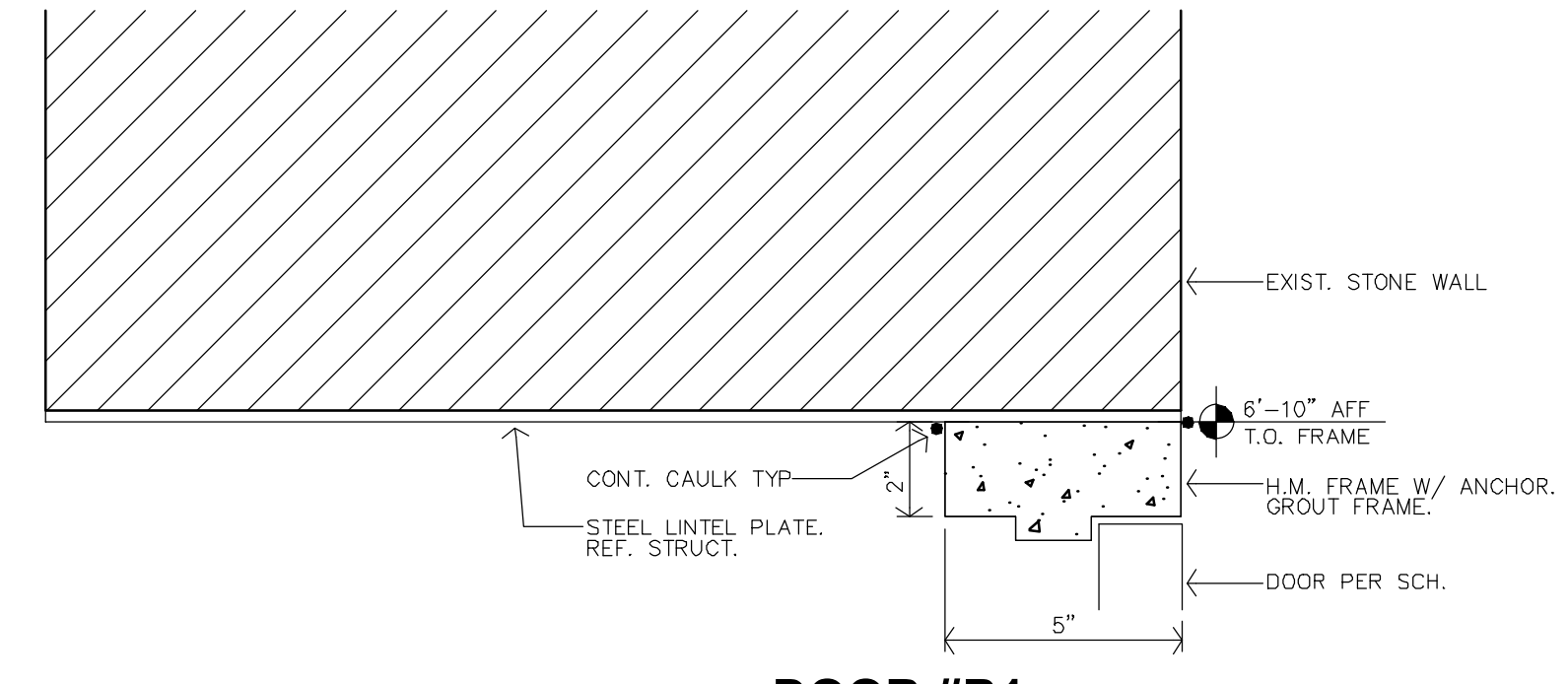
**J DOOR #110 HEAD DETAIL**  
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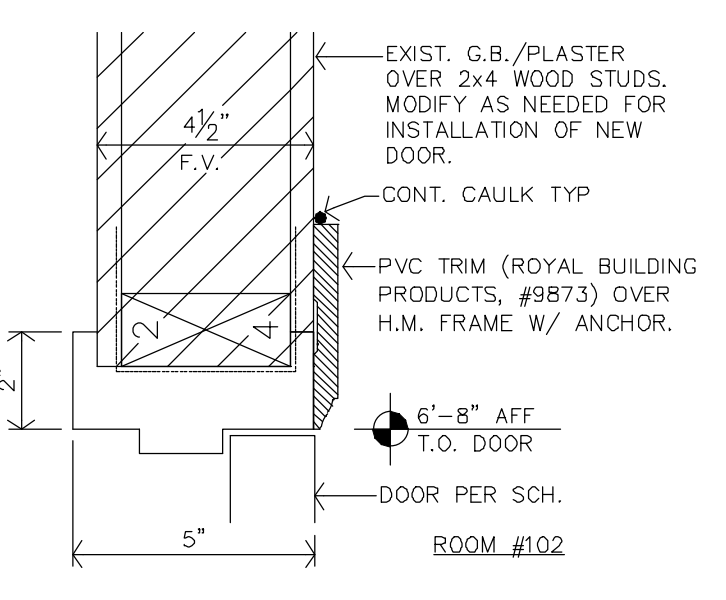
**H DOOR #110 JAMB DETAIL**  
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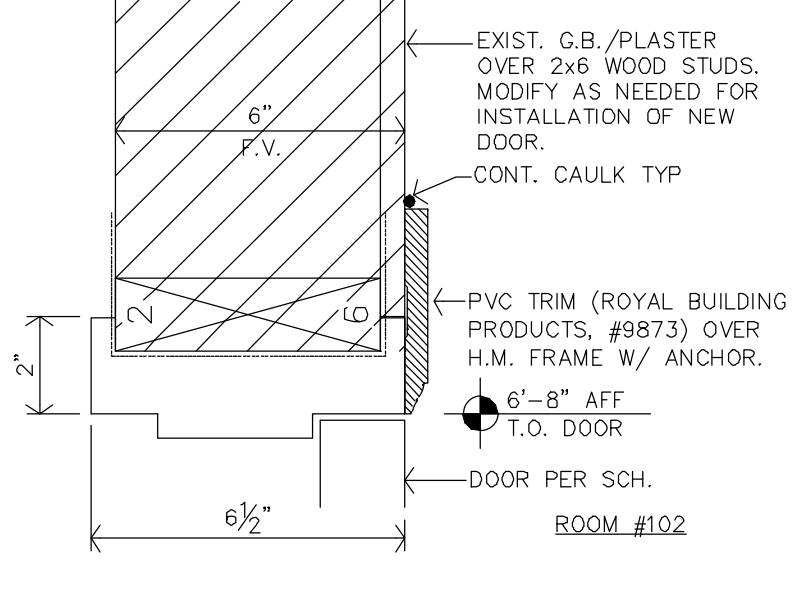
**B DOOR #101 HEAD DETAIL**  
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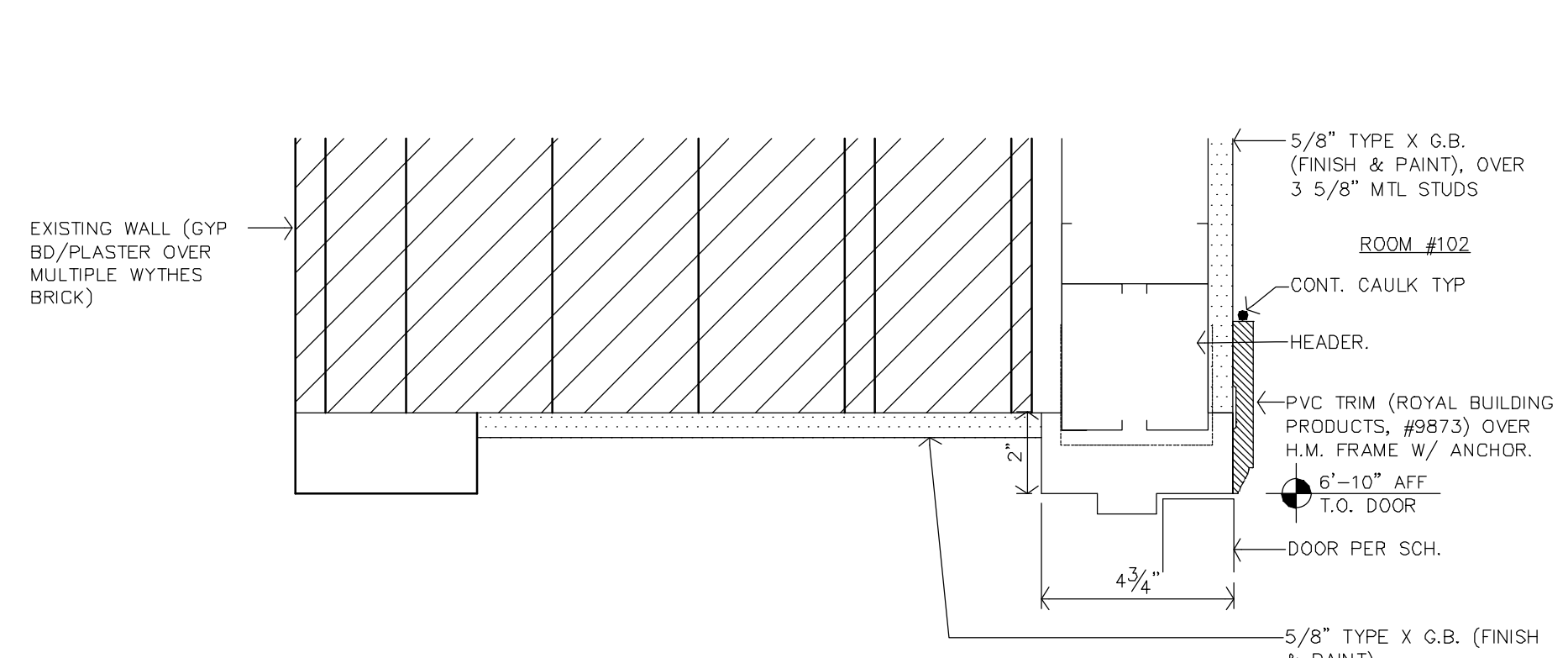
**N DOOR #B1 HEAD DETAIL**  
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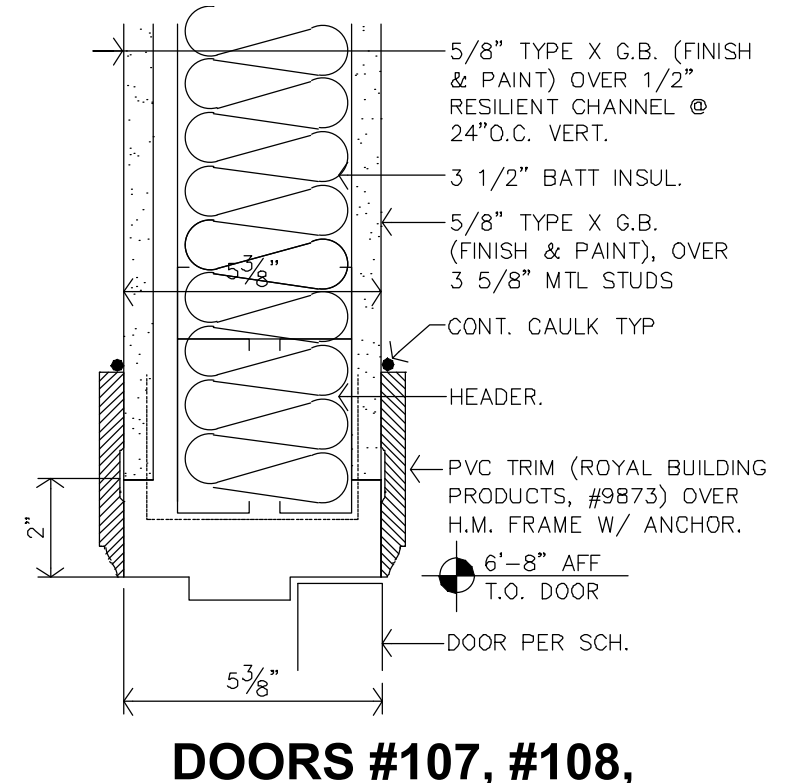
**M DOOR #105 HEAD DETAIL**  
 3\"/>



**L DOOR #104 HEAD DETAIL**  
 3\"/>



**C DOOR #102 HEAD DETAIL**  
 3\"/>



**D DOORS #107, #108, #109, #112, #113, #201 HEAD DETAIL**  
 3\"/>

GENERAL NOTES - STRUCTURAL

- General Information:
  - The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
  - The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. In the case of work in an existing building the contractor shall scan existing structure to locate all rebar in the area of the new core/operating using ground penetrating radar and notify the engineer of record for review prior to continuing. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
  - All construction work for this project shall conform to the requirements of the 2018 International Building Code, as amended by the City of Clyde, Kansas.
  - These drawings are for this specific project and no other use is authorized.

2. Structural Design Load Criteria:

- Floor Live = 100 psf
  - Roof Live = 20 psf
  - Wind = Fig. 20 psf,  $P_1 = 14$  psf,  $I_s = 1.0$ ,  $C_e = 1.0$ ,  $C_t = 1.0$ , Drift per ASCE/SEI 1-16
  - Lateral Loads: Existing Lateral System
- This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the 2018 International Building Code.

3. Concrete:

- All concrete for foundations (walls, grade beams, footings and piers) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.
- All concrete for exterior flatwork shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 525 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.75 gallons of water per 100 pounds of cement and not over 4 inches of slump. Concrete mix shop drawing shall contain testing data proving concrete design mix strength is less than 0.05% at 28 days when tested according to ASTM C151 (air drying method only).
- All concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 580 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
- The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
- The preceding minimum mix requirements may have up to 1% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.
- All interior concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier per ASTM E1745 with less than 0.1% permeability, tested after mandatory conditioning. All joints shall be lapped and sealed per manufacturer's recommendations. All concrete shall be placed on a prepared vapor barrier material also sealed per manufacturer's recommendation prior to concrete placement. Install barrier per manufacturer recommended details at all discontinuous edges (at interior columns, exterior edge of slabs, etc.) to ensure terms of warranty are followed. The vapor barrier shall be placed over free-draining granular material as prescribed by the project soils report.
- Control joints in dirt formed slabs to be as shown on plans. Where not shown, limit controlled areas to not more than 144 square feet, or 12 feet on any side. Slab panel size ratio shall not exceed 1/2 to 1.
- Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
- Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer.
- No aluminum items shall be embedded in any concrete.

4. Reinforcing Steel:

- All reinforcing steel shall conform to the requirements of ASTM A615 or A106 grade 60 steel. Welded plain wire fabric shall be specified in sheets and conform to the requirements of ASTM A1064.
- Clear coverage of concrete over reinforcing steel shall be as follows:
 

Concrete placed against earth	3"
Formed concrete against earth	2"
Slabs	1"
Beams or Columns	1-1/2"
Other	2"
- All coverage shall be nominal bar diameter minimum.
- All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 24" minimum unless noted otherwise).
- At corners of all walls, beams, and grade beams supply corner bars (minimum 2"-0" in each direction or 48 bar diameters) on outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars.
- Bars marked with "L" shall be lapped 48 bar diameters (2'-0" minimum) at splices and embedments, unless shown otherwise. Splice lap bars near midspan and splice bottom bars over supports, unless noted otherwise.

5. Structural Steel:

- All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel (except at moment connections where plates shall be ASTM A572, grade 50). Hollow Structural Sections (HSS) shall be ASTM A500, grade C. Fabrication and erection shall be in accordance with AISC 305-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 13th Edition of the AISC Steel Construction Manual.
- All welding shall conform to the recommendations of the AWS.
- All exterior steel and connections, and brick relief angles shall be hot-dip galvanized.
- All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N). All bolts shall be fully pretensioned.
- All anchor bolts shall be 3/4" diameter, ASTM F1554, grade 36 unless noted otherwise. Washers of minimum size and thickness for the given anchor diameter in Table 14-2 of the AISC Steel Construction Manual shall be provided at every column anchor bolt. Washers shall have a standard size hole for the anchor bolt. At building perimeter columns and columns at braced frames washers shall be welded all around to the column base plate with 3/16" fillet weld.
- Design and installation of steel decking shall comply with the recommendations of the Steel Deck Institute (SDI). All decking shall be galvanized unless noted otherwise.

6. Post-Installed Anchors:

- Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post-installed anchors. The general contractor shall coordinate on-site meeting with the post-installed anchor manufacturer field representative and subcontractor performing the anchor installation to educate the construction team on the anchor installation guidelines and requirements. The contractor shall send a record copy of the meeting minutes to the design team.
- Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 308.2 and ICC-ES AC108. All anchors shall be installed per the anchor manufacturer's written instructions.
- Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
- Mechanical anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC01. All anchors shall be installed per the anchor manufacturer's written instructions.
- Adhesive anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC08. All anchors shall be installed per the anchor manufacturer's written instructions.
- Anchors used in hollow concrete masonry shall have been tested and qualified in accordance with ICC-ES AC108 or ICC-ES AC308 as appropriate. All anchors shall be installed per the anchor manufacturer's written instructions with appropriate screen tubes used for adhesives.

7. Foundations:

- A soil investigation was not prepared for this renovation. Soil shall be field verified to safety within 1500 psf bearing.
- Contractor shall provide for dewatering at excavations from either surface water or seepage.
- All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete. This inspection shall be at the owner's expense.
- All concrete in the structural portion retaining the backfill shall have obtained its design strength prior to being backfilled.
- Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If soggy materials become desiccated or softened by water or other conditions, recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.

8. Concrete Block Masonry:

- Concrete block used in exterior walls or load bearing walls shall meet the requirements of ASTM C40 and have a minimum net compressive strength of 2850 psi and laid up using Type N mortar such that 1" equals 2000 psi. Mortar shall be volume proportion based cement lime mortar. Proportioning shall be completed by box measure. Any block in contact with earth shall be normal weight units, laid using type "S" mortar and grouted solid.
- The contractor shall provide adequate temporary bracing for all masonry walls during construction.
- All concrete block shall have 4 gage (or larger) horizontal joint reinforcing (ladder or truss) per architectural drawings and specifications (6" maximum vertical spacing).
- Concrete block shall be reinforced as follows in 8" walls unless noted otherwise:
  - Vertical reinforcing shall be a minimum of 1 - #5 bar in 8" walls at 32" on center, at each corner, at each course and at window joints and in the case of window joints, each joint shall be of equal length of wall. Lap splices for masonry vertical reinforcing shall be 48 bar diameters or 24" minimum.
  - Horizontal reinforcing:
    - Horizontal joint reinforcing as noted above.
    - Continuous horizontal bars shall be included per section or detail in bond beam or optional running bond beam where noted. Where bond beams are continuous at corners of walls, supply corner bars matching size of horizontal bars (minimum 2'-0" or 40 bar diameters in each direction).
- Grout, where noted above, shall have a minimum design ultimate compressive strength of 2500 psi at 28 day test and 3/8" maximum aggregate size.
- Non-load bearing concrete block walls shall be isolated from adjacent structural elements with vertical 3/8" control joints and at the top of the wall with 1" air space or compressible material and support per architectural detail.

9. Light Gauge Structural Stud Framing:

- Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the 2018 International Building Code.
- All studs and top and bottom plates shall be Douglas Fir No. 2 grade visually graded lumber, with an allowable fiber stress in bending of 1400 psi minimum and an elastic modulus of 1,800,000psi unless noted otherwise. All joist hangers, metal members, and fasteners to be No. grade (min. unless noted otherwise).
- Blocking of stud bearing walls and shear walls shall be solid, matching sheathing joints.
- Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps. Spacing in any case shall not exceed 3'-0".
- Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.1 of the 2018 International Building Code. Floor sheathing shall be APA rated tongue and groove Strand-I-Floor, exposure 1, glued and nailed with 8d ring shank nails or #4 screws at 12" on center to all supports. All floor sheathing shall be installed with 1/8" gaps between panel edges and end joints.
- Fill plates shall be bolted to concrete walls or steel beams with 1/2" diameter galvanized bolts at 32" on center. Plates shall be in direct contact with concrete or masonry shall be treated lumber.
- Joist hangers shall have uniform Building Code approval and shall be equal to Simpson Strong Tie "LUS" for wood application and "LB" for steel weld-on application. Service condition - dry with moisture content at or below 18% in service.
- Laminated Veneer Lumber (LVL) shall have an allowable flexural stress (Fb) of 2800 psi (reduced by size factor) and an elastic modulus (E) of 2,000,000 psi.
- Parallel Strand Lumber (PSL) shall have an allowable flexural stress (Fb) of 2400 psi (reduced by size factor) and an elastic modulus (E) of 2,000,000 psi.

10. Timber and Wood Framing:

- Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the 2018 International Building Code.
- All studs and top and bottom plates shall be Douglas Fir No. 2 grade visually graded lumber, with an allowable fiber stress in bending of 1400 psi minimum and an elastic modulus of 1,800,000psi unless noted otherwise. All joist hangers, metal members, and fasteners to be No. grade (min. unless noted otherwise).
- Blocking of stud bearing walls and shear walls shall be solid, matching sheathing joints.
- Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps. Spacing in any case shall not exceed 3'-0".
- Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.1 of the 2018 International Building Code. Floor sheathing shall be APA rated tongue and groove Strand-I-Floor, exposure 1, glued and nailed with 8d ring shank nails or #4 screws at 12" on center to all supports. All floor sheathing shall be installed with 1/8" gaps between panel edges and end joints.
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- Laminated Veneer Lumber (LVL) shall have an allowable flexural stress (Fb) of 2800 psi (reduced by size factor) and an elastic modulus (E) of 2,000,000 psi.
- Parallel Strand Lumber (PSL) shall have an allowable flexural stress (Fb) of 2400 psi (reduced by size factor) and an elastic modulus (E) of 2,000,000 psi.

11. Shop Drawing Review:

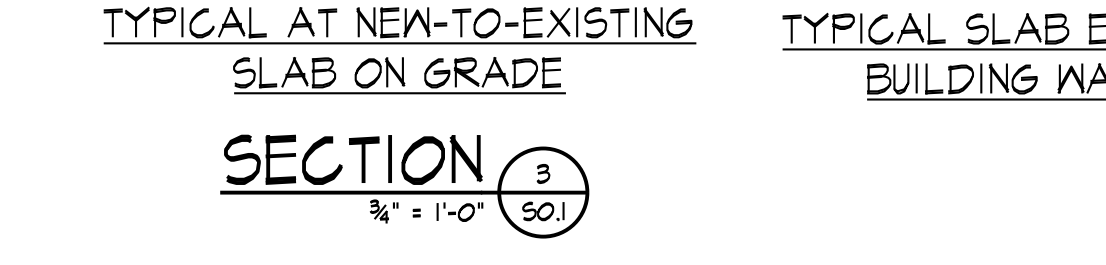
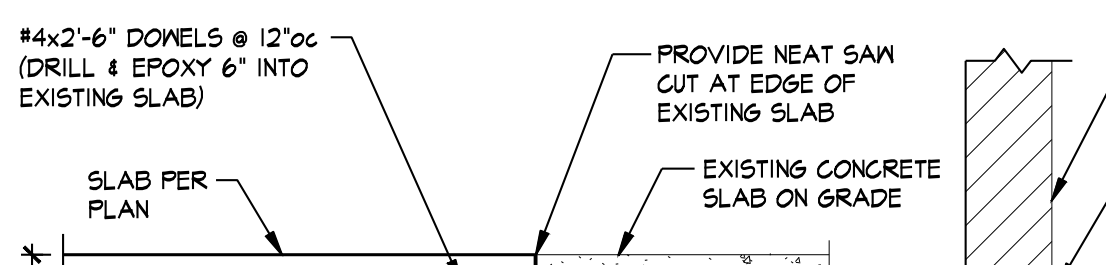
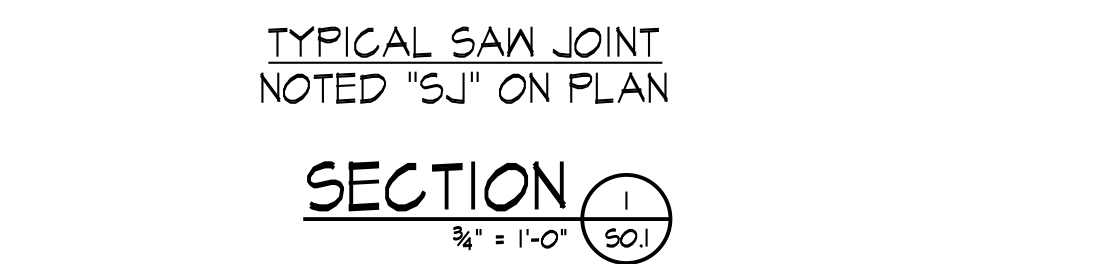
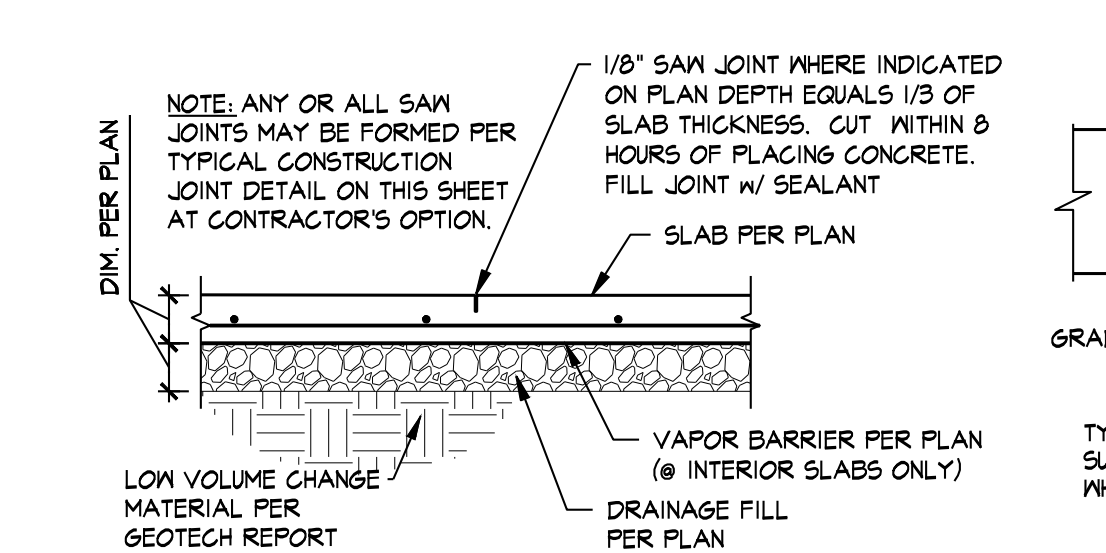
- Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc. Deferred submittals shall be submitted to the architect of record for review and approval. Design calculations shall be prepared and sealed by a Professional Engineer licensed in the state of the project. The deferred submittal items shall not be installed until the deferred submittal documents have been approved by the building official.
- Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
  - Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
  - Review and approve each submission.
  - Stamp each submission as approved.
- Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
- Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC.
  - Concrete mix designs and material certifications including admixtures and compounds applied to the concrete after placement.
  - Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
  - Elevations of all reinforced concrete masonry walls at a scale no smaller than 3/8" = 1'-0" showing all required reinforcing.
  - Grout mix designs (for CMU).
  - Structural steel shop drawings including erection drawings and piece details. Include decking and connector submittals, include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review.
  - Miscellaneous anchors shown on the structural drawings.
    - Deferred Submittal: Railings and guardrails.
    - Deferred Submittal: Metal stair framing.
- Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that such submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submittals without GC approval stamp.

12. Statement of Structural Special Inspection:

- The structural design for this project is based on completion of special inspections during construction in accordance with section 1104 of the 2012 International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
- The following inspections and tests are required with the frequency (continuous or periodic) as defined in the referenced section or standard listed below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections.
  - Shop Fabrication - structural steel per Section 1104.2.5 unless AISC certified shop
  - Steel Construction per Section 1105.2 and the quality assurance requirements of AISC 341 Chapter J (as referenced by AISC 360)
  - Cold-Formed Steel Deck per Section 1105.2.2 and the quality assurance requirements of SDI GA06.
  - Concrete Construction per Section 1105.3 and Table 1105.3
    - Reinforcing Steel Placement
    - Cast in Place Anchors
    - Post-Installed Anchors
    - Design Mix Verification
    - Concrete Sampling and Testing
  - Masonry Construction per Section 1105.4 and the quality assurance requirements of TMS 402/AC308/ASCE5 and TMS602/AS301/ASCE6
  - Verification of Soils per Table 1105.6
- The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
- All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
- The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.

13. Copyright and Disclaimer:

- All drawings in the structural set (5-series drawings) are the copyrighted work of Bob D. Campbell and Company, Inc. These drawings may not be photocopied, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
- Christopher A. Beverin, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of 5-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package. They being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.



ANCHOR-ROD DIAMETER	MIN. PLATE WASHER HOLE DIAMETER	MIN. PLATE WASHER SIZE	MIN. PLATE WASHER THICKNESS	EMBEDDED ANCHOR PLATE SIZE
3/4"	1 5/16"	2"	1/4"	1/2"x2 1/2"x2 1/2"

- NOTES:
- HOLE SIZES PROVIDED ARE BASED ON ANCHOR ROD SIZE AND CORRELATE WITH ACI 117 (ACI, 2010)
  - CIRCULAR OR SQUARE WASHERS MEETING THE WASHER SIZE ARE ACCEPTABLE.
  - HOLE IN PLATE WASHER SHALL BE 1/16" LARGER THAN ANCHOR DIAMETER.
  - WELD PLATE WASHER TO BASEPLATE AT BASEPLATE TYPE B WITH 1/8" FILLET AT 4-SIDES.

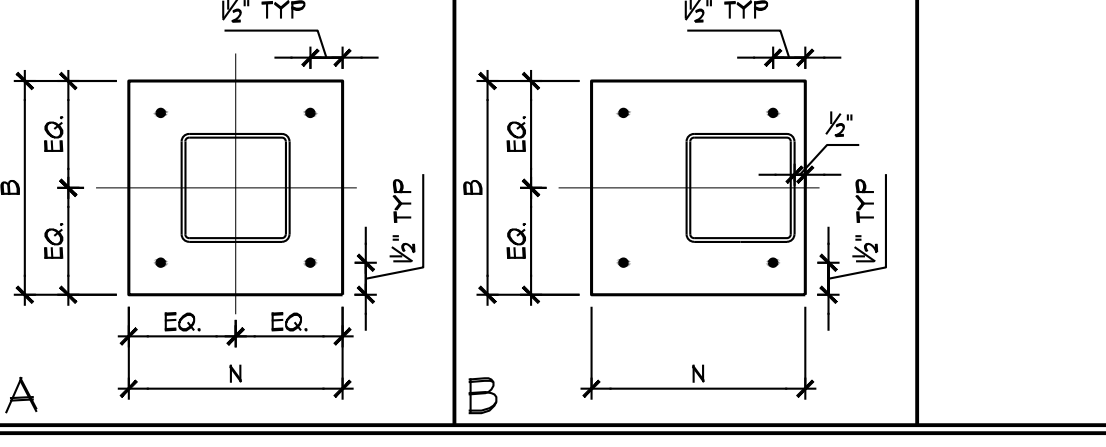
COLUMN BASE PLATE SCHEDULE

TYPE	COLUMN	BASE PLATE (LxW)	SHAPE	ANCHOR RODS	EMBEDMENT
(A)	PER PLAN	3/4"x10"x10"	A	(4) 3/4"	12" (DRILL & EPOXY F1554 GR 36 ANCHOR BOLTS w/ 3/8"x2"x2" PL WASHER BOTTOM BTWN DBL NUTS & 1/4"x2"x2" PL WASHER ATOP BAR PL)
(A)	PER PLAN	3/4"x10"x10"	B	(4) 3/4"	12" (DRILL & EPOXY F1554 GR 36 ANCHOR BOLTS w/ 3/8"x2"x2" PL WASHER BOTTOM BTWN DBL NUTS & 1/4"x2"x2" PL WASHER ATOP BAR PL)

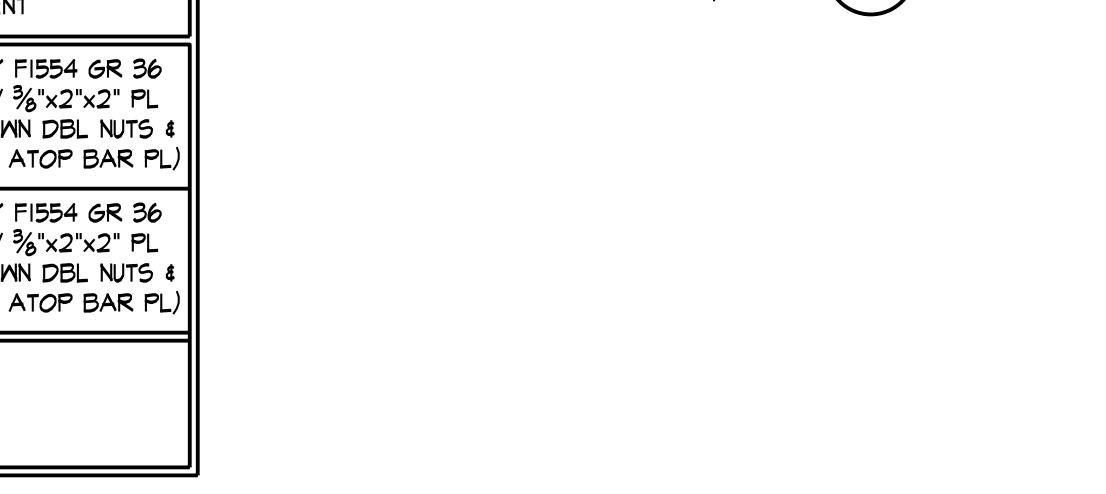
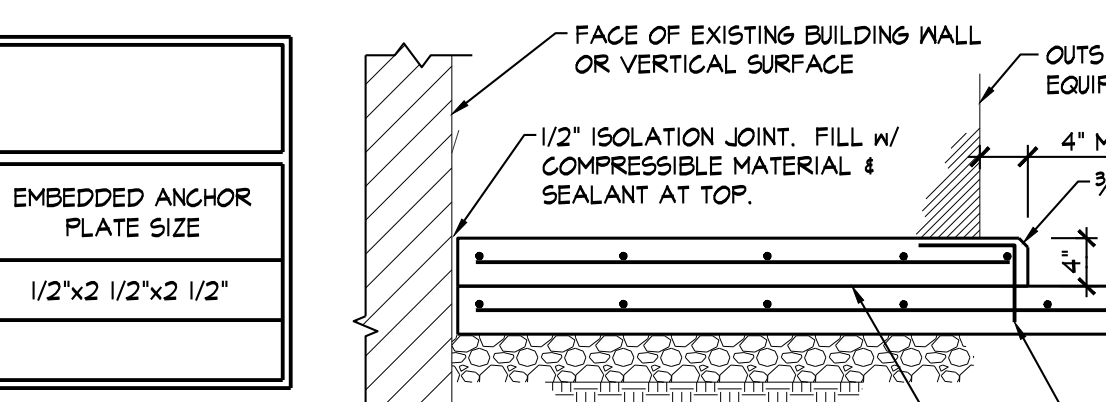
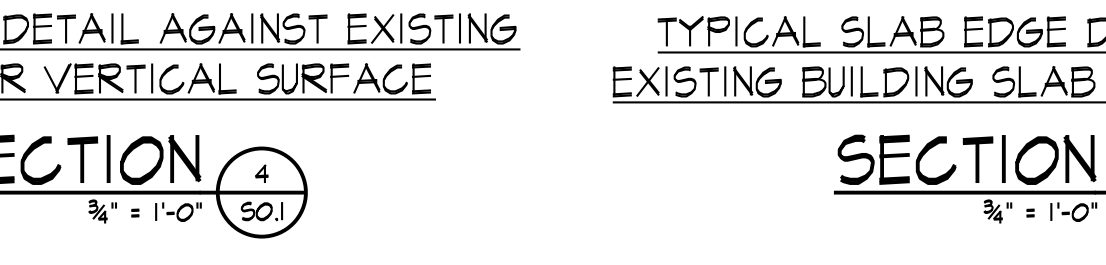
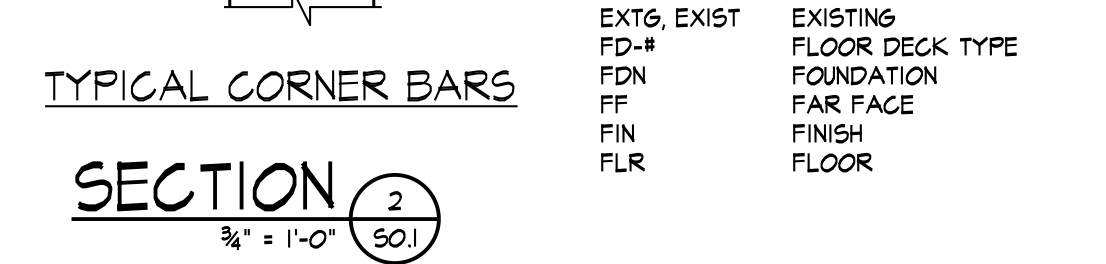
NOTES:

- SEE PLAN FOR ORIENTATION OF COLUMNS.
- PROVIDE PLATE WASHER & EMBEDDED PLATE PER SCHEDULE @ ALL ANCHOR BOLTS.
- UNO. ALL THREADED ROD A.B.'S SHALL BE F1554 (36ksi) MATERIAL.

BASE PLATE SHAPE (NOT TO SCALE)



@	AT	F5	FAR SIDE	PERP	PERPENDICULAR
∅	AND	FT6	FOOTING	PL	PLATE
ADTL	ROUND DIAMETER	F7	FIELD VERIFY	PLF	POUNDS PER LINEAR FOOT
AFF	ADDITIONAL	FV	FAR SIDE	PLP	PARTIAL JOINT PENETRATION
ALT	ALTERNATE	FT6	FOOTING	PSF	POUNDS PER SQUARE FOOT
ARCH	ARCHITECTURAL	FV	FIELD VERIFY	PSI	POUNDS PER SQUARE INCH
BLDG	BUILDING	GA	GAGE	QTY	QUANTITY
B/	BOTTOM OF	GALV	GALVANIZED	RAD	RADIUS
BM	BOTTOM	GEN	GENERAL	RD-#	ROOF DECK TYPE
BOTT	BOTTOM	GR	GRADE	REFR	REFERENCE
BRG	BEARING	HORIZ	HORIZONTAL	REIN	REINFORCEMENT
C	CAMBER	HSS	HOLLOW STRUCTURAL SECTION	REQD	REQUIRED
CD-#	CONCRETE DECK TYPE	INFO	INSIDE FACE	REV	REVISION
CJ	CONSTR. CONTROL JOINT	INT	INTERIOR	RL	ROOF LIVE LOAD
CJP	COMPLETE JOINT PENETRATION	IST	JOIST	RTU	ROOF TOP UNIT
CL	CENTERLINE	JST	JOIST	SC	SLIP CRITICAL
CMU	CONCRETE MASONRY UNIT	KT	JOINT	SCHED	SCHEDULE(D)
COL	COLUMN	KB	KIPS (1000 LBS)	SECT	SECTION
CONC	CONCRETE	KSF	KIPS PER SQUARE FOOT	SHT	SHEET
CONN	CONNECTION	LSB, #	LBS. #	SM	SIMILAR
CONT	CONTINUOUS	LL	DEVELOPMENT LENGTH	SJ	SAW JOINT
COORD	COORDINATE	LL	LIVE LOAD	SL	SNOW LOAD
COV, CVR	COVER	LLH	LONG LEG HORIZONTAL	SOG	SLAB-ON-GRADE
DET	DETAIL	LLV	LONG LEG VERTICAL	SOG-#	SLAB-ON-GRADE TYPE
DIA	DIAMETER	LONG	LONGITUDINAL	SPEC	SPECIFICATION
DIM	DIMENSION	LSLT	LONG-SLOTTED HOLE TRANSVERSE	SPRT	SUPPORT
DLS	DEAD LOAD	LTWT	LIGHTWEIGHT	SO	SQUARE
EA	EACH	MAX	MAXIMUM	S5	STAINLESS STEEL
EJ	EACH FACE	MECH	MECHANICAL	SLT	SHORT-SLOTTED HOLE TRANSVERSE
EF	EXPANSION JOINT	MFR	MANUFACTURER	STD	STANDARD
EL, ELEV	ELEVATION	MIN	MINIMUM	STIFF	STIFFENER
ENG	ENGINEER	MISC	MISCELLANEOUS	STR	STRIP
EOD	EDGE OF DECK	MSONY	MASONRY	STL	STEEL
EOR	ENGINEER OF RECORD	MTL	METAL	STRUC	STRUCTURE, STRUCTURAL
EOS	EDGE OF SLAB	NS	NEAR FACE	THRU	THROUGH
EQ	EQUAL	NTS	NOT TO SCALE	TOS	TOP OF STEEL, TOP OF SLAB
EQUIP	EQUIPMENT	NM	NORMAL HEIGHT	TRANS	TRANSVERSE
EW	EACH WAY	OC	ON CENTER	TRUSS	TRUSSES
EXP	EXPANSION	OF	OUTSIDE FACE	TYP	TYPICAL
EXTG, EXIST	EXISTING	OPNS	OPENING	UNLESS NOTED OTHERWISE	
FDN	FOUNDATION	OPP	OPPOSITE	V	VERTICAL
FF	FAR FACE	OVH	OVERSIZED HOLE	W	WITH
FLR	FLOOR	FD-N/O	FLOR. FORCE	W/O	WITHOUT
		PAF	POWDER ACTUATED FASTENER	WF	WIDE FLANGE
		PC	PRECAST	WL	WIND LOAD
		PCF	POUNDS PER CUBIC FOOT	WP	WORK POINT
		PEMB	PRE-ENGINEERED METAL BUILDING	WNF	WELDED WIRE FABRIC



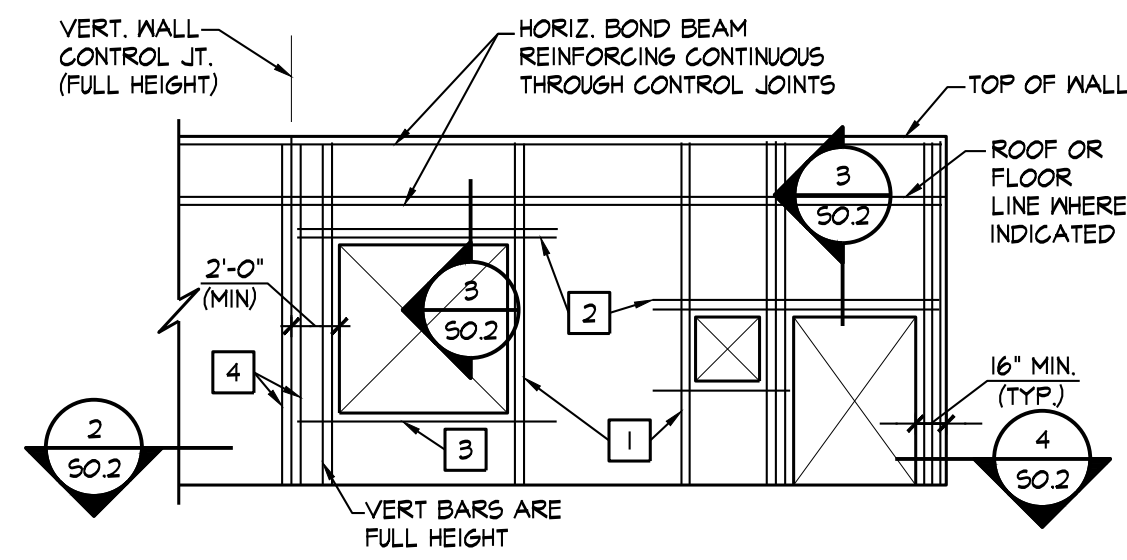
LEGEND:  
 ..... SPAN DIRECTION OF DECK  
 HSS 6x6x1/4 COLUMN SIZE

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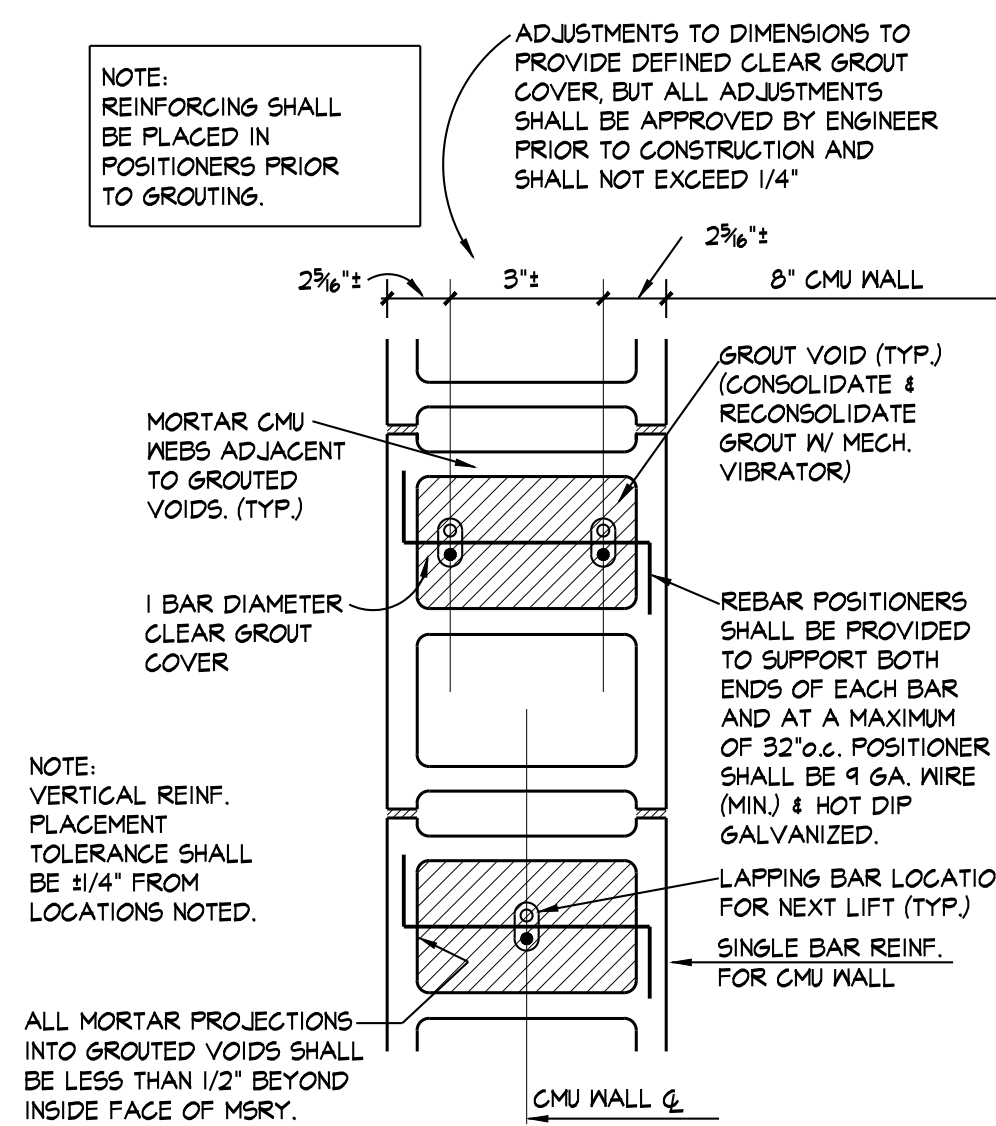
TYPICAL WALL REINFORCING AT OPENINGS  
**CMU WALL ELEVATION** (1)  
 NO SCALE (S0.2)

- 1/50.2 LEGEND:
- 1 FULL HEIGHT VERTICAL BARS AS JAMB REINFORCING IN FIRST 2 CELLS ADJACENT TO OPENING. REINFORCE EACH CELL WITH SIZE & QUANTITY OF BAR TO MATCH WALL REINFORCING (1 BAR TYPICAL IN 8" WALLS AND 2 BARS TYPICAL IN 12" WALLS).
  - 2 LINTEL REINFORCING PER SECTION 3/50.2 EXTEND 2'-0" PAST EDGE OF OPENING ON EACH SIDE (TYPICAL).
  - 3 2-#5 CONTINUOUS HORIZONTAL BARS AS SILL REINFORCING IN 8" COURSE BELOW OPENING (I.N.O.). EXTEND 2'-0" PAST EDGE OF OPENING ON EACH SIDE (TYPICAL).
  - 4 FULL HEIGHT VERTICAL BARS PER MASONRY VERTICAL REINFORCING SCHEDULE LOCATED IN END CELL AT EACH SIDE OF VERTICAL WALL CONTROL JOINTS.
- GENERAL CRITERIA: (SECTION 1/50.2 CONT.)
- 1) VERTICAL REINF. BARS SHALL BE DOWELED TO FOUNDATION WITH A DOWEL OF MATCHING SIZE AND SPACING.
  - 2) CONTRACTOR SHALL COORDINATE AND VERIFY OPENINGS IN MASONRY WALLS. OPENINGS SHALL BE DETAILED ON REINFORCING STEEL SHOP DRAWING ELEVATIONS.
  - 3) VERTICAL CONTROL JOINTS IN MASONRY WALLS SHALL BE 3/8" WIDE. FULL HEIGHT OF WALL. JOINTS SHALL BE SPACED AT A MAXIMUM OF 24'-0" O.C. AND NOT LESS THAN 2'-0" FROM THE EDGE OF ANY OPENING. ALL HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS. ALL BOND BEAM HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL JOINTS. CONTRACTOR SHALL COORDINATE AND VERIFY ALL CONTROL JOINT LOCATIONS.

MASONRY VERTICAL REINFORCING SCHEDULE FOR LOAD BEARING MASONRY (CMU) WALLS			
WALL THICKNESS	LOCATION	VERTICAL REINF. (IN GROUTED CELLS)	SPACING
8"	ELEVATOR	1-#5	32" O.C.

NOTES:

1. IN ADDITION TO SPACING SHOWN IN SCHEDULE, VERTICAL REINFORCING SHALL BE PROVIDED IN GROUTED CELLS AT THE FOLLOWING LOCATIONS:
  - A) IN THE FIRST 2 CELLS ADJACENT TO EACH OPENING
  - B) IN THE END CELLS ON EACH SIDE OF VERTICAL CONTROL JOINTS
  - C) IN THE END CELLS OF EACH LENGTH OF WALL
  - D) AT EACH CORNER OF WALLS
2. ALL MASONRY VOIDS AND BOND BEAMS TO BE GROUTED SHALL BE FREE OF DEBRIS AND MORTAR DROPPINGS PRIOR TO GROUTING. ANY MASONRY W/ DROPPINGS OR DEBRIS OBSERVED IN VOIDS SHALL BE REJECTED.

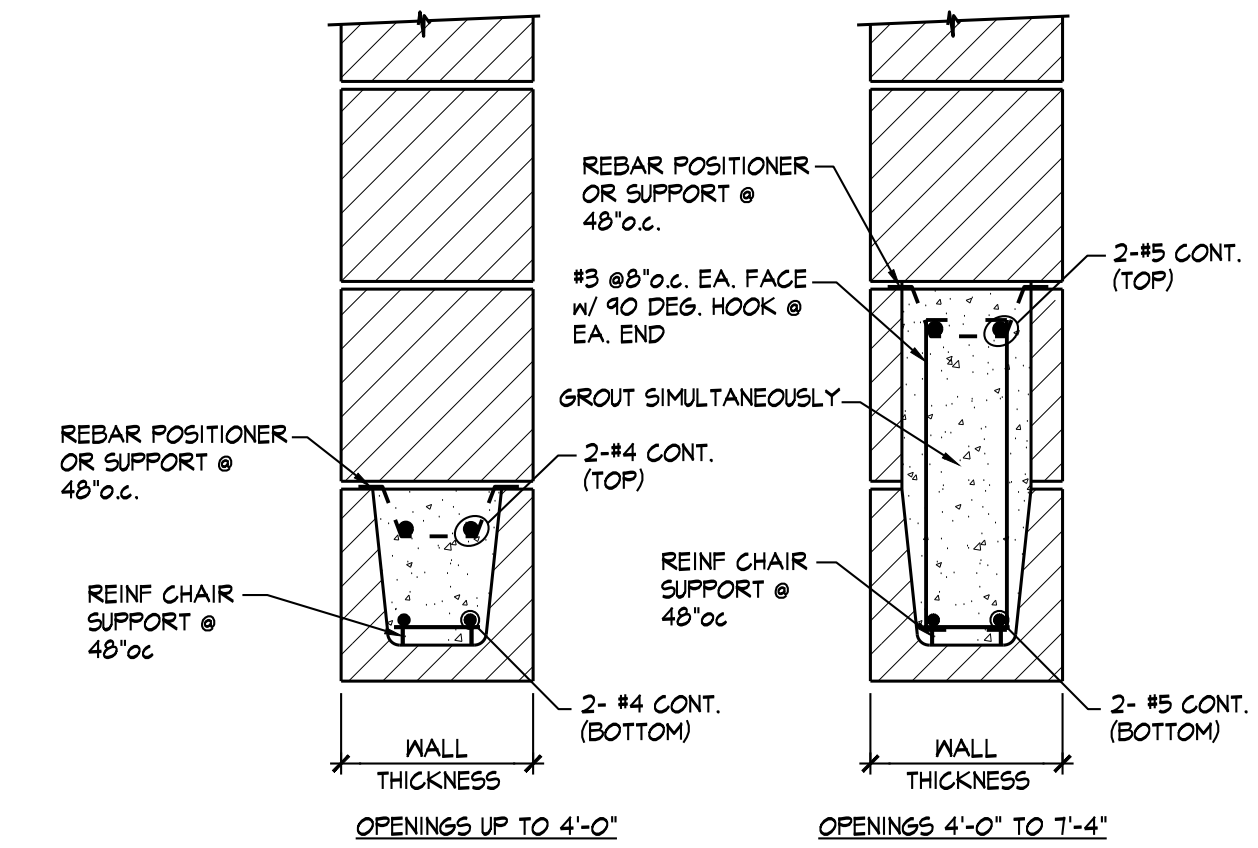


NOTE: VERTICAL REINF. PLACEMENT TOLERANCE SHALL BE 3/4" FROM LOCATIONS NOTED.

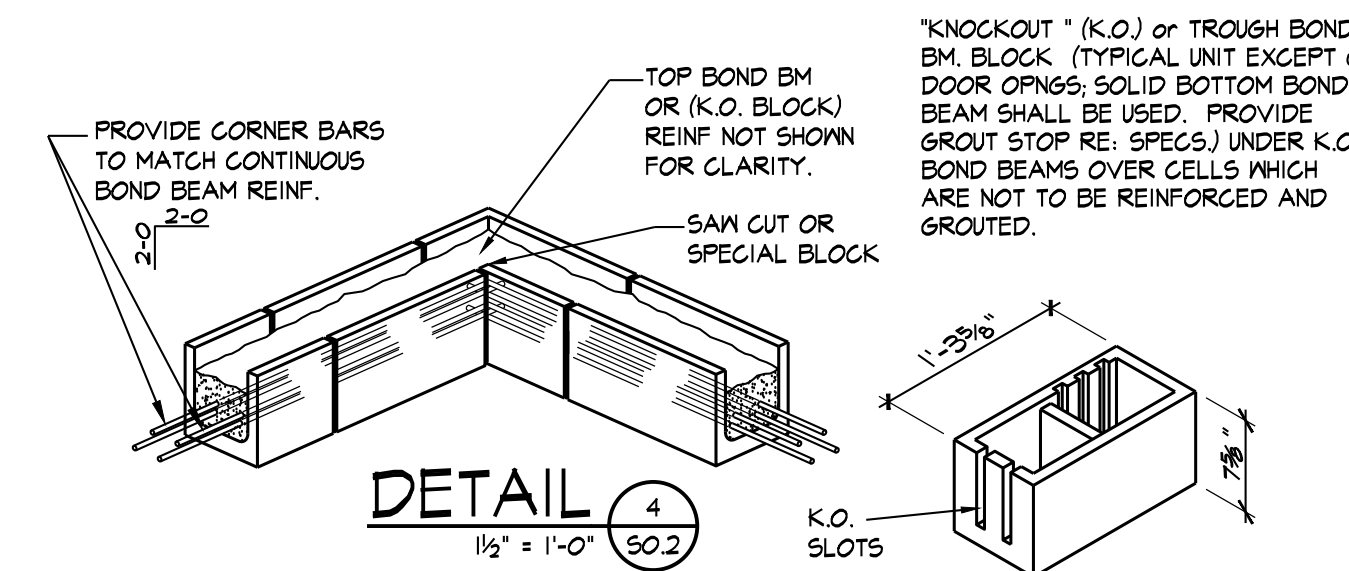
ALL MORTAR PROJECTIONS INTO GROUTED VOIDS SHALL BE LESS THAN 1/2" BEYOND INSIDE FACE OF MSRY.

NOTE: ALL MASONRY VOIDS AND BOND BEAMS TO BE GROUTED SHALL BE FREE OF DEBRIS AND MORTAR DROPPINGS PRIOR TO GROUTING. ANY MASONRY W/ DROPPINGS OR DEBRIS OBSERVED IN VOIDS SHALL BE REJECTED.

TYPICAL REBAR POSITIONING DETAIL  
**SECTION 2**  
 1/2" = 1'-0" (S0.2)



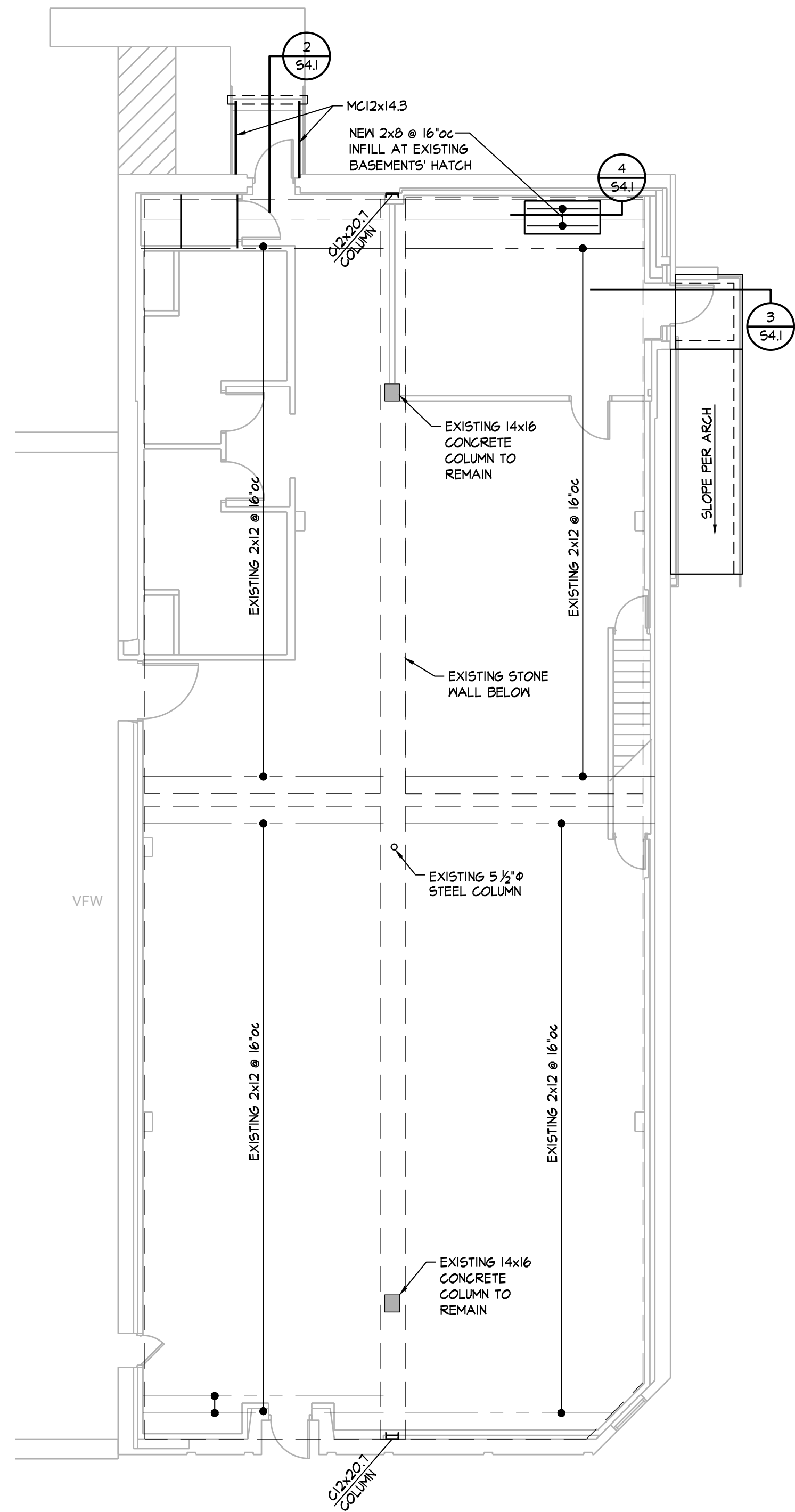
TYP. LINTELS AT ALL CMU WALLS  
**SECTION 3**  
 1/2" = 1'-0" (S0.2)



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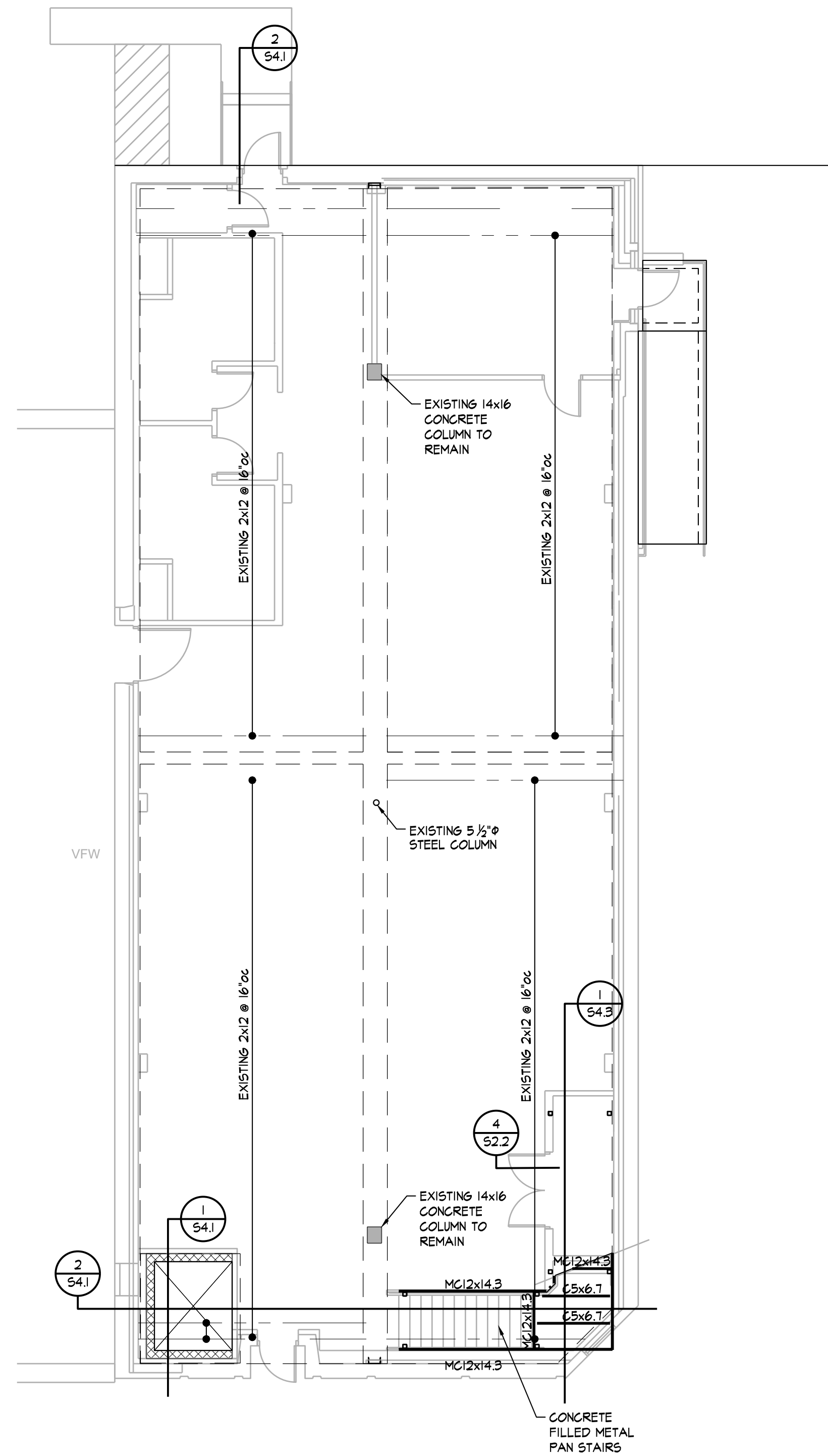
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**FIRST FLOOR FRAMING PLAN**  
 1/8" = 1'-0"

- FRAMING NOTES:
1. REFER TO GENERAL NOTES ON SHEET S0.1
  2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.

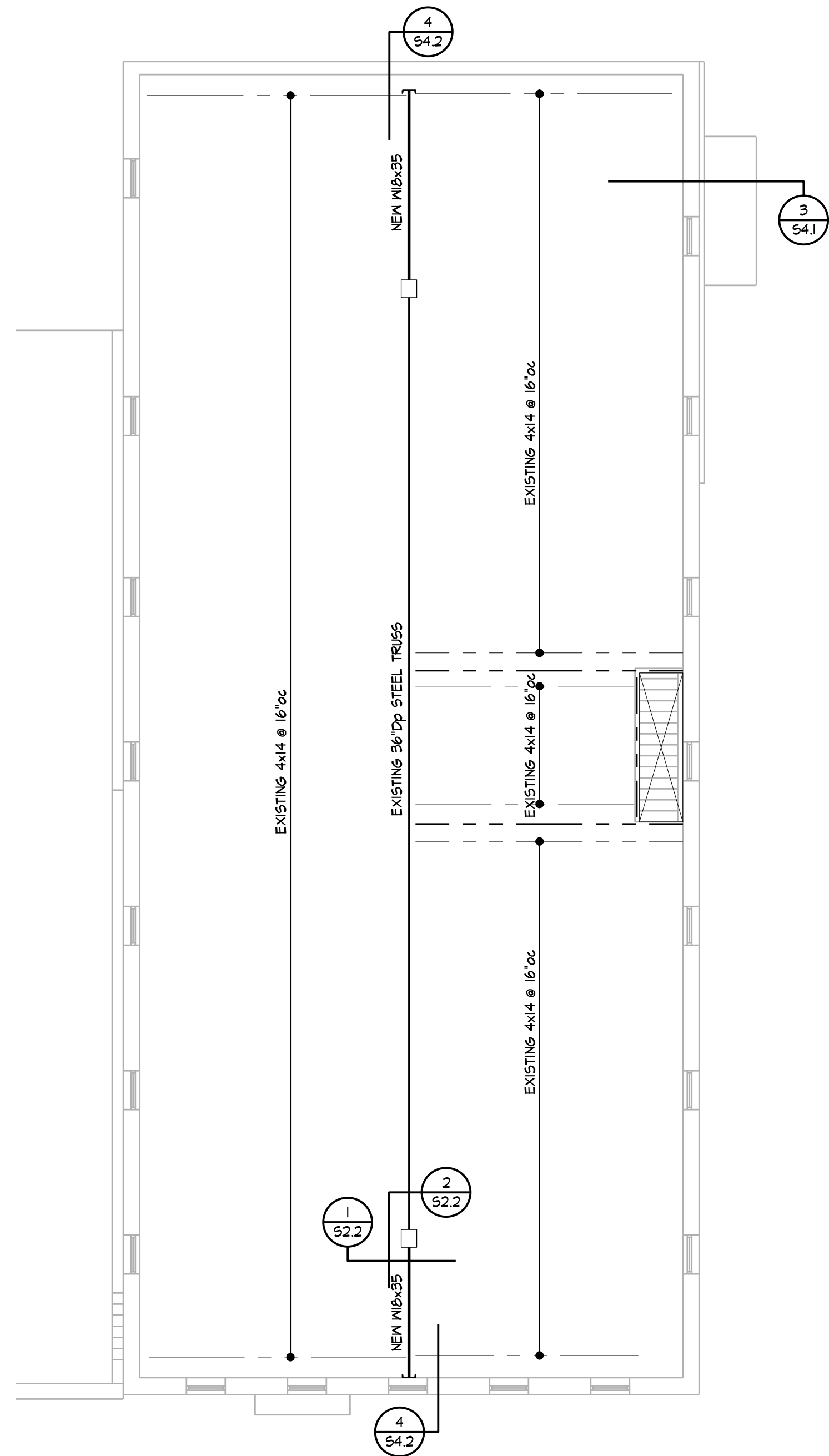


**ALTERNATE #1  
 FIRST FLOOR FRAMING PLAN**  
 1/8" = 1'-0"

- FRAMING NOTES:
1. REFER TO GENERAL NOTES ON SHEET S0.1
  2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.

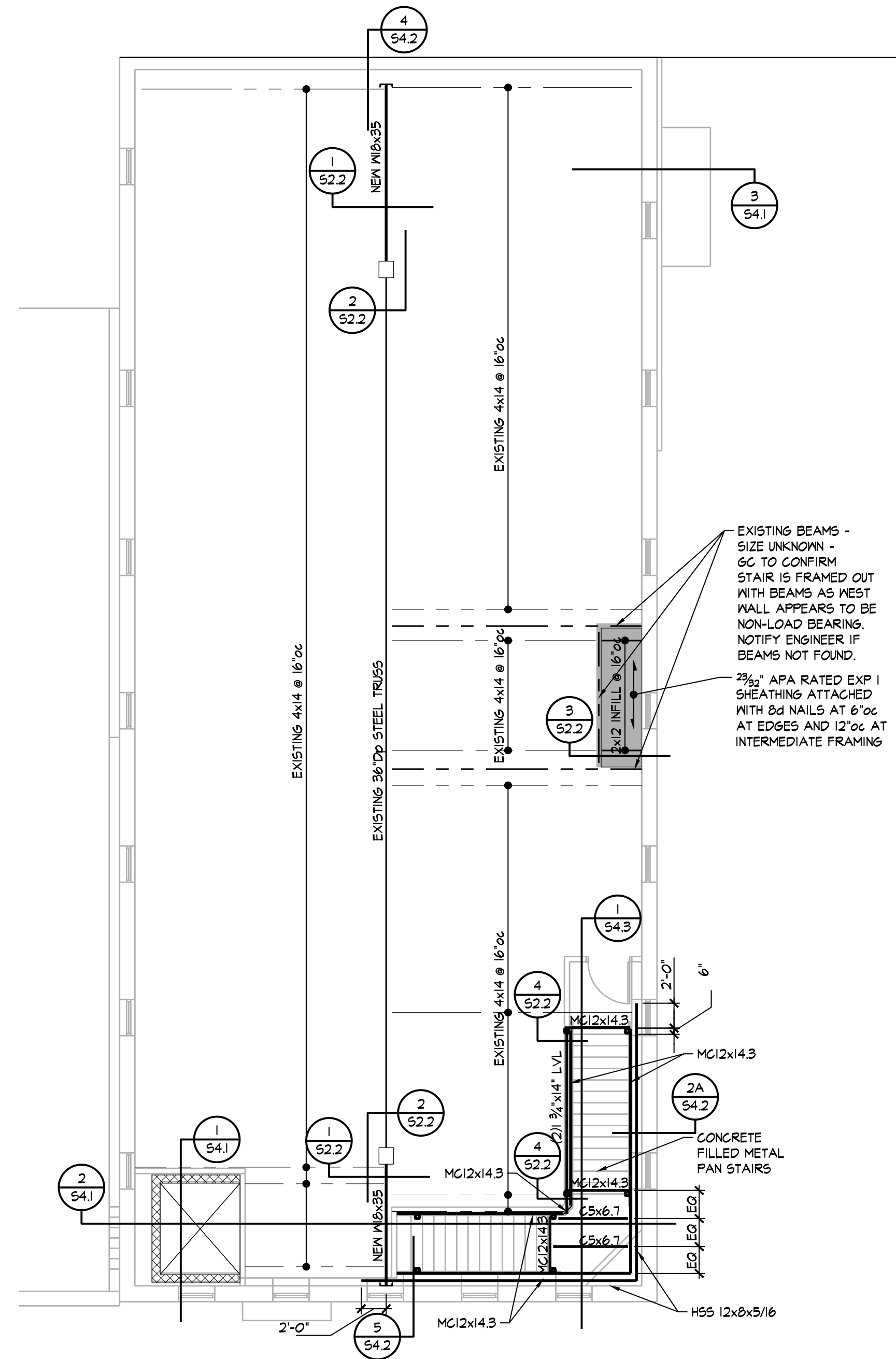


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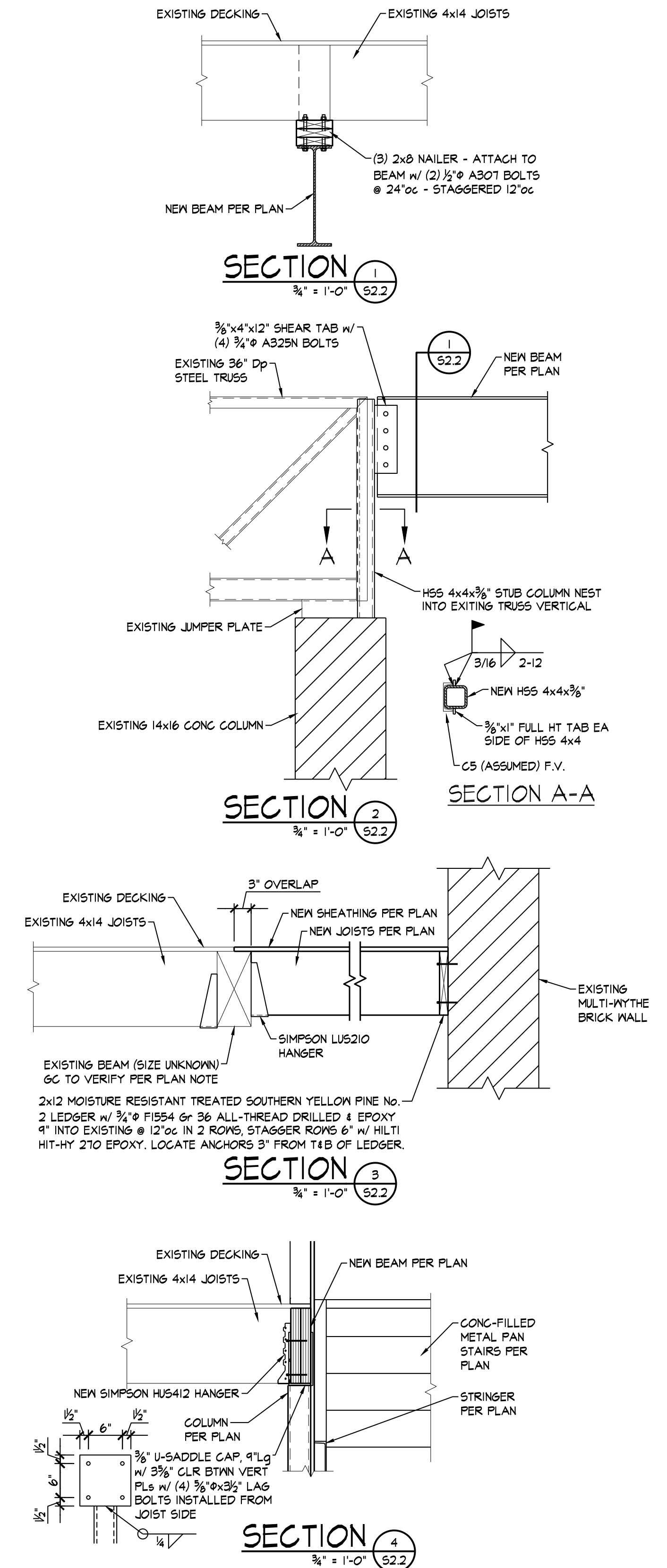
**SECOND FLOOR FRAMING PLAN**  
 1/8" = 1'-0"

- FRAMING NOTES:
1. REFER TO GENERAL NOTES ON SHEET S0.1
  2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.



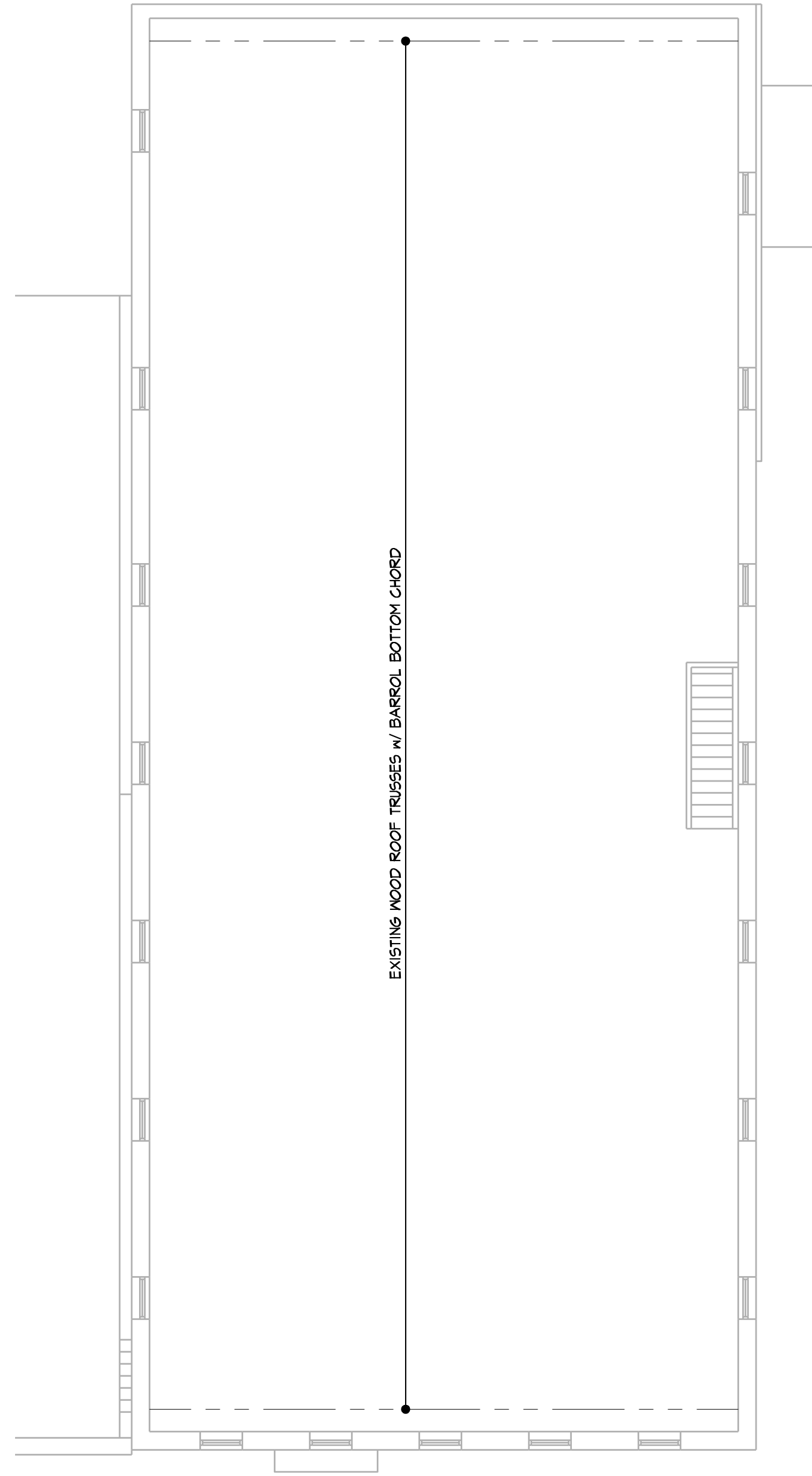
**ALTERNATE #1 SECOND FLOOR FRAMING PLAN**  
 1/8" = 1'-0"

- FRAMING NOTES:
1. REFER TO GENERAL NOTES ON SHEET S0.1
  2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.



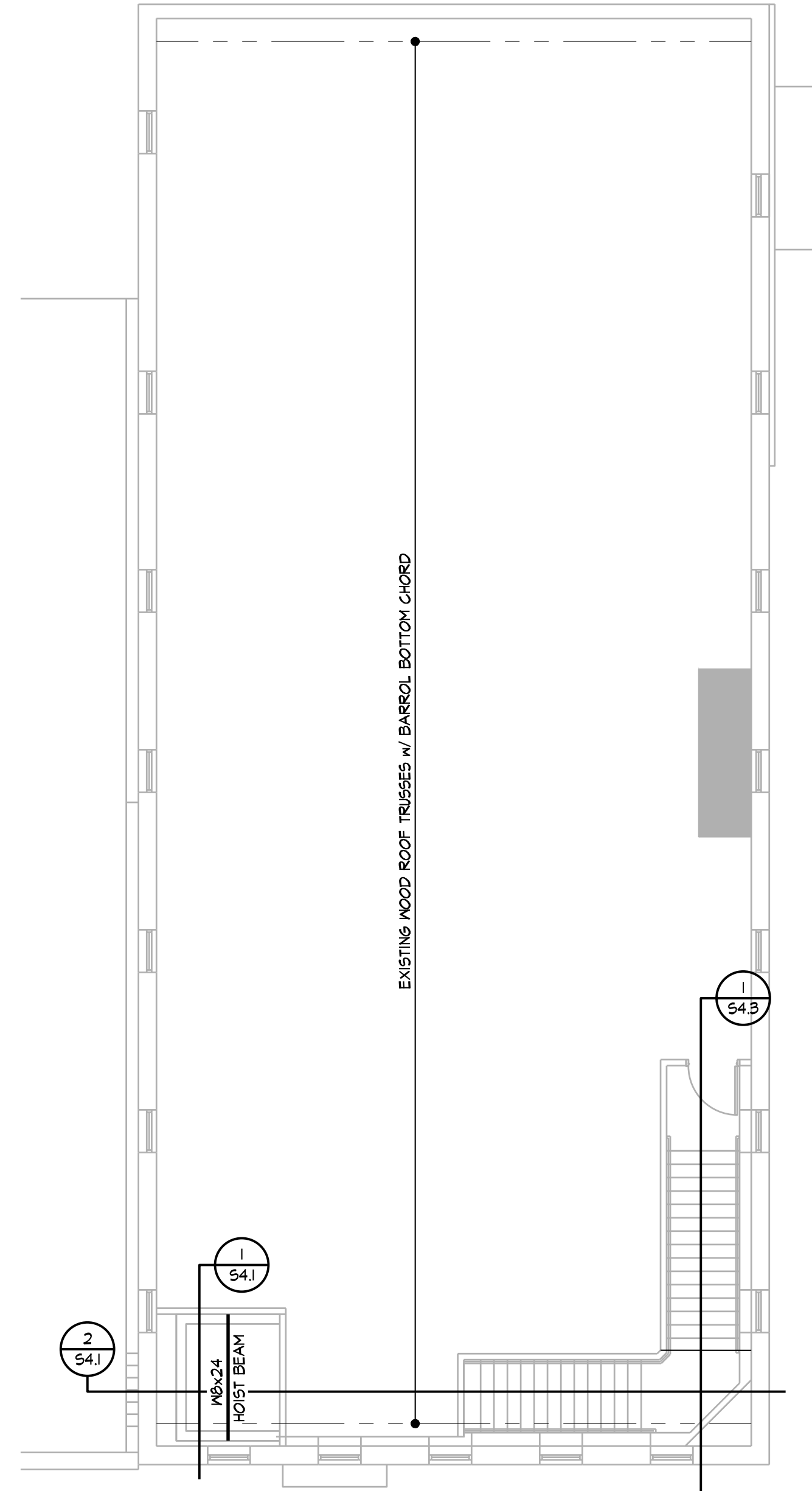
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**FRAMING PLAN**  
1/8" = 1'-0"

- FRAMING NOTES:  
 1. REFER TO GENERAL NOTES ON SHEET S0.1  
 2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.



**ALTERNATE #1  
ROOF FRAMING PLAN**  
1/8" = 1'-0"

- FRAMING NOTES:  
 1. REFER TO GENERAL NOTES ON SHEET S0.1  
 2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.

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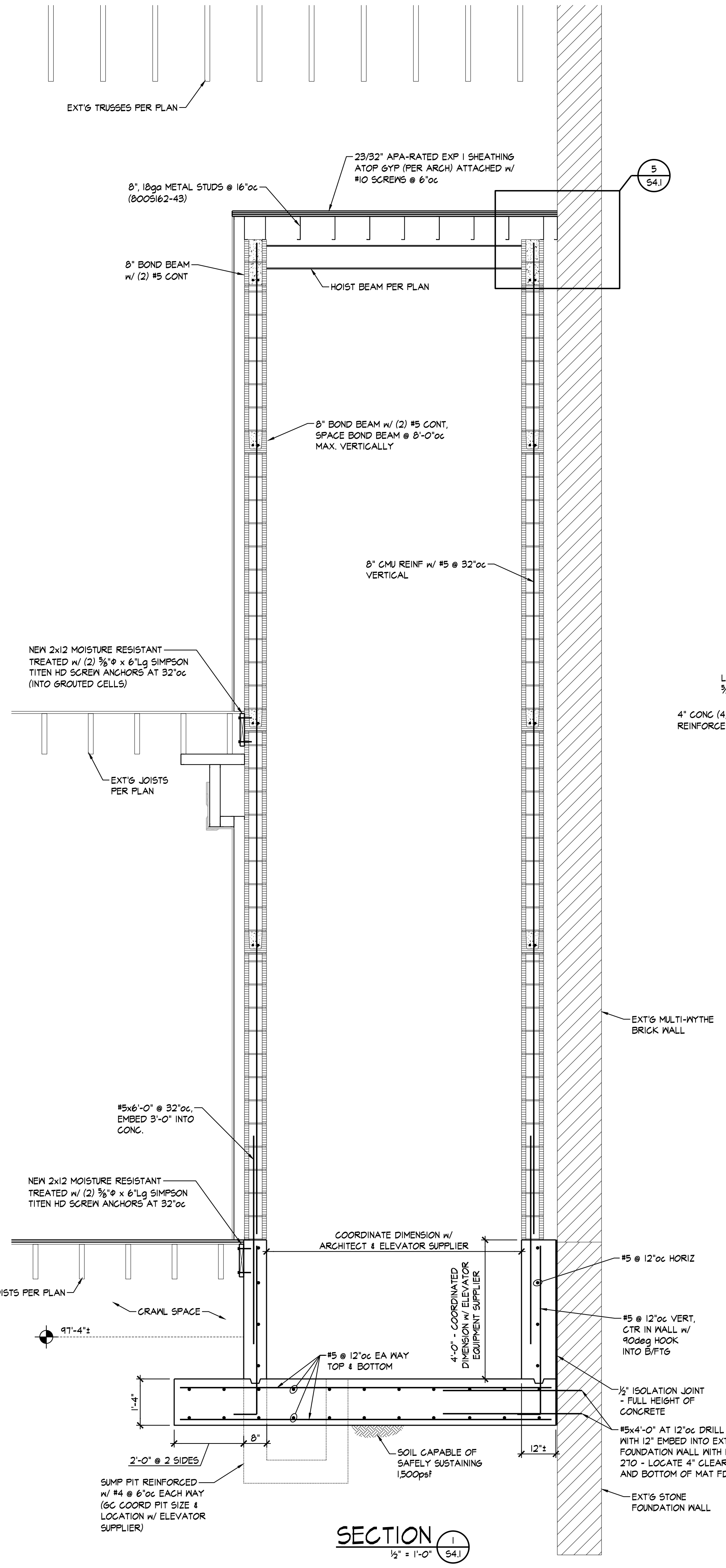
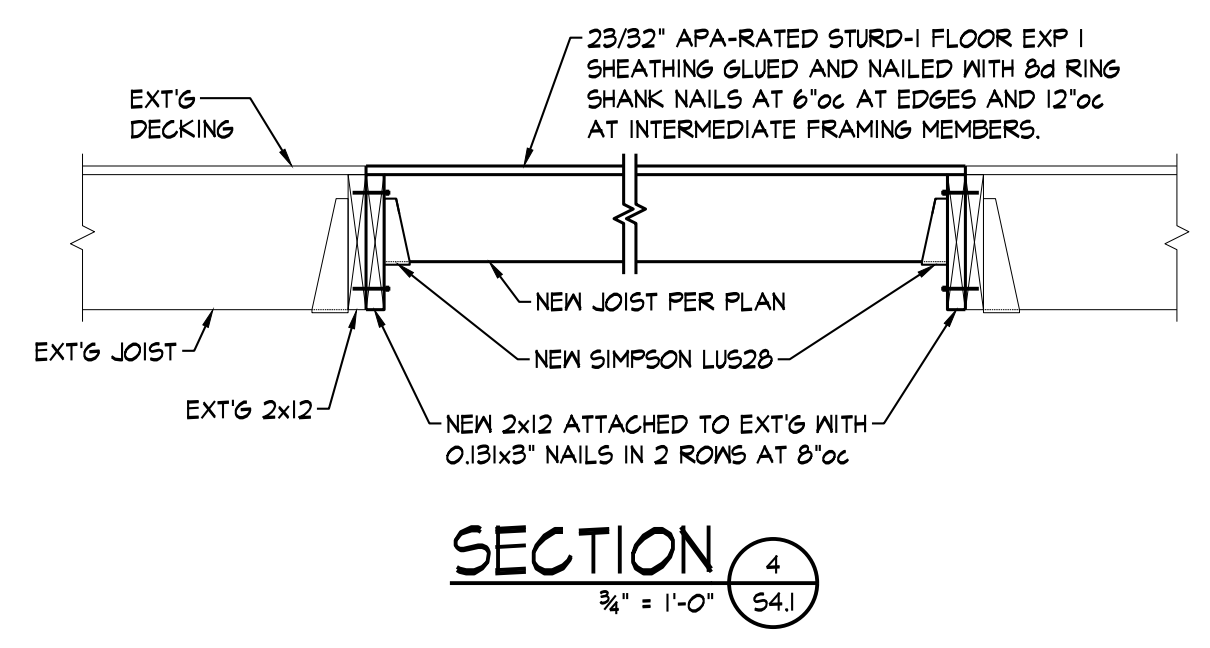
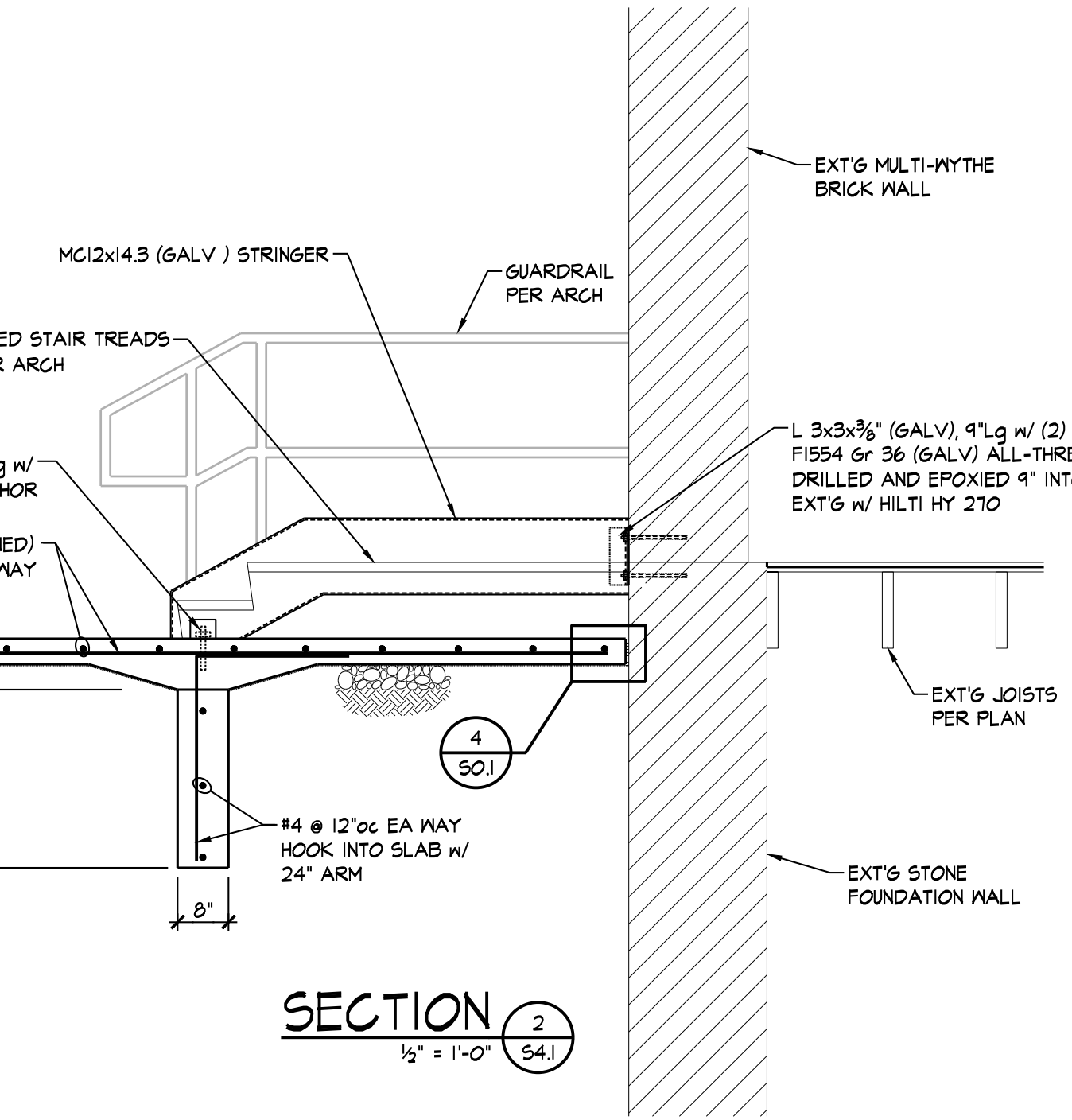
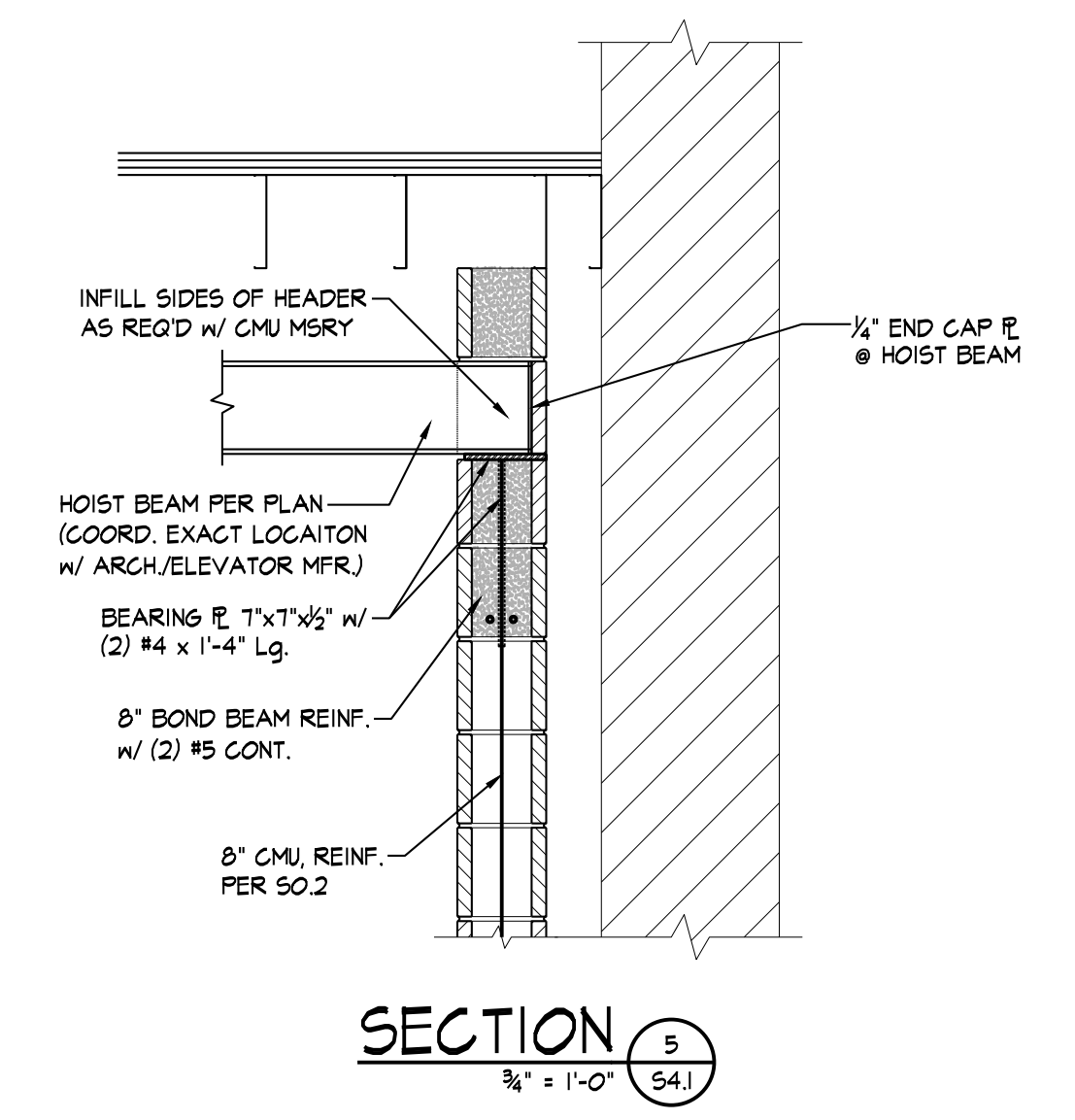
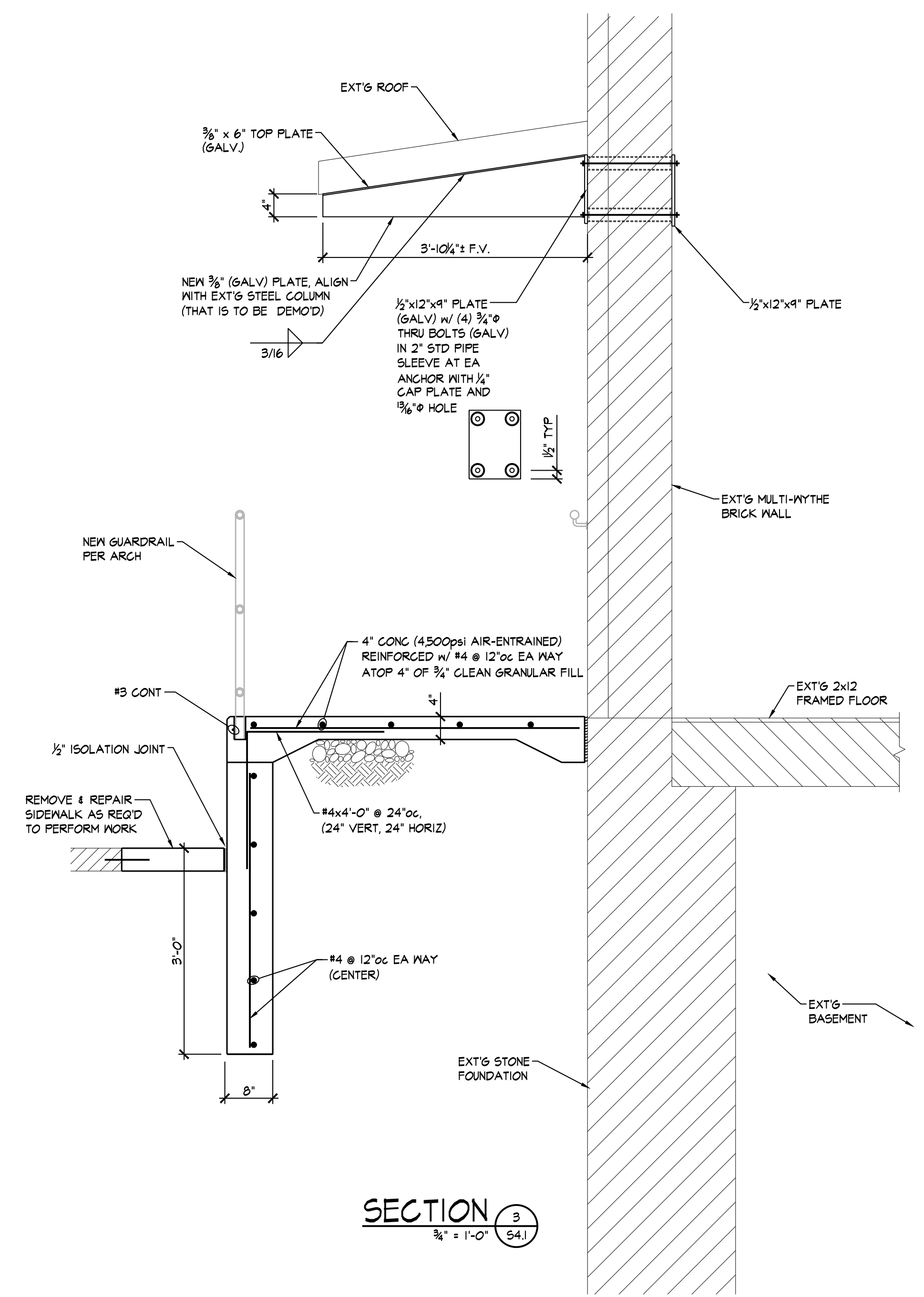
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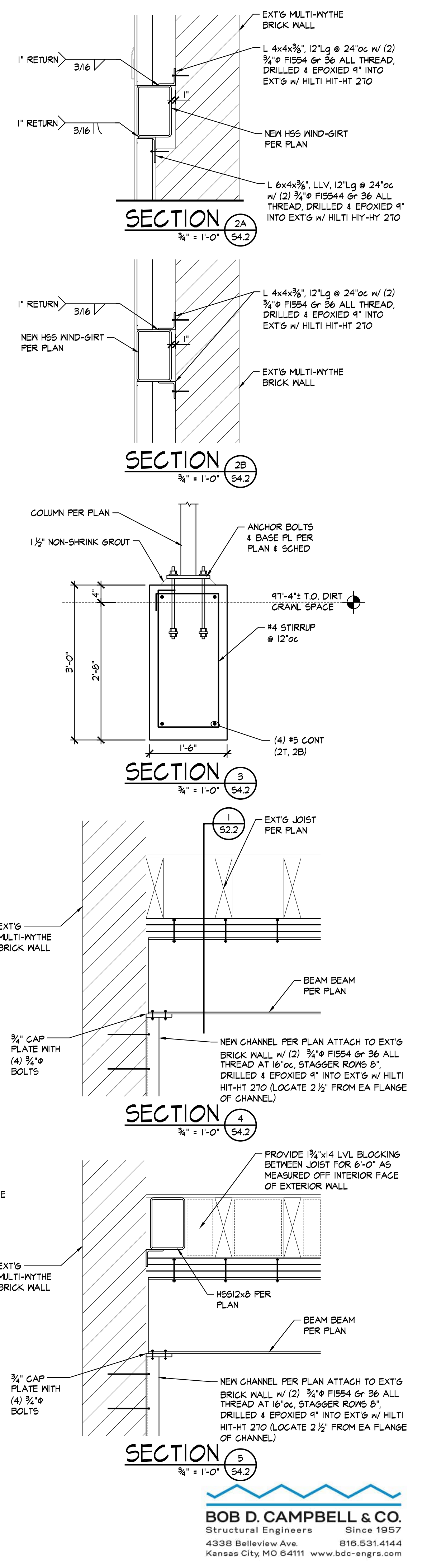
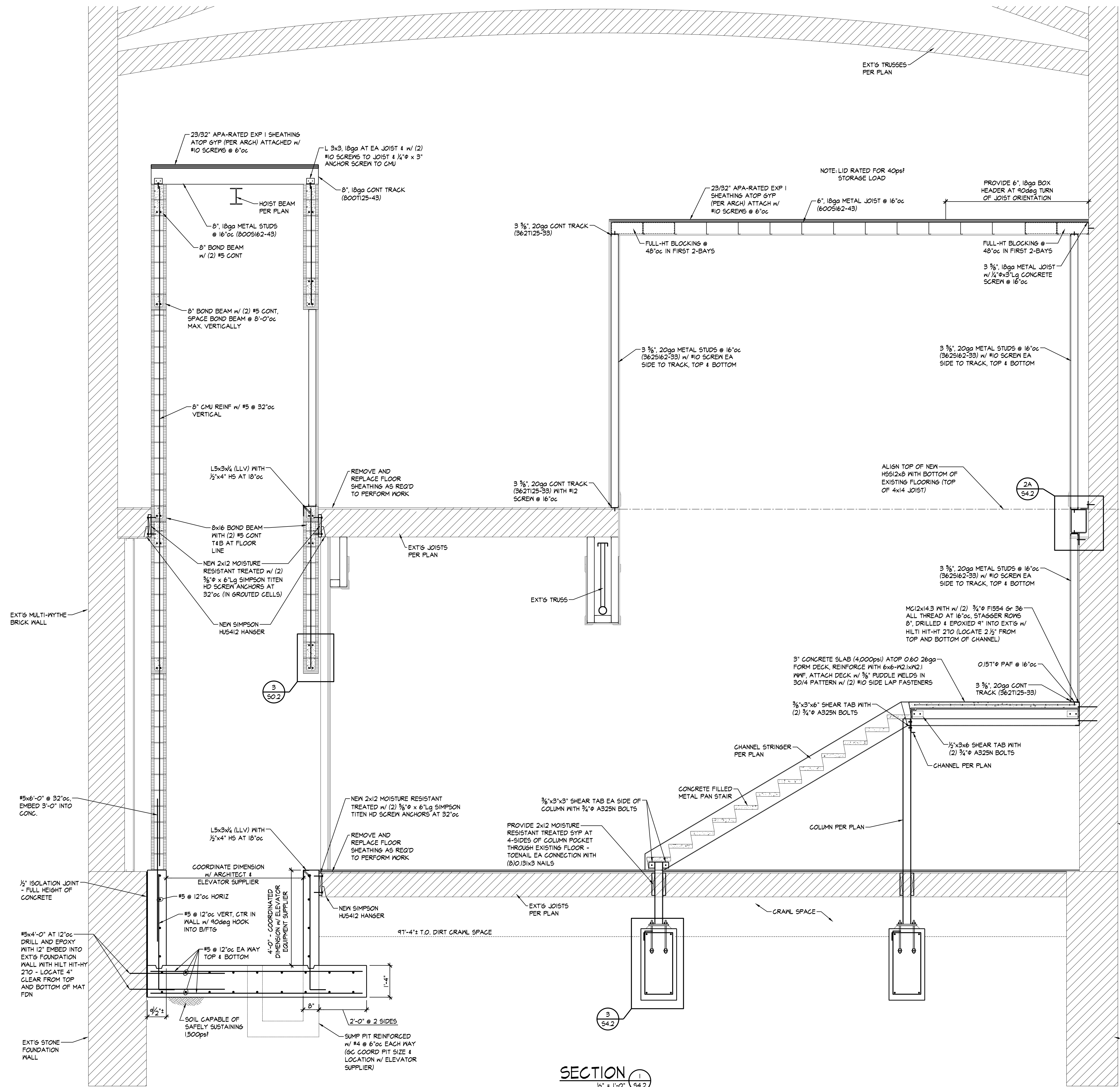
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**SECTION 1**  
1/2" = 1'-0" S4.2

**SECTION 5**  
3/4" = 1'-0" S4.2

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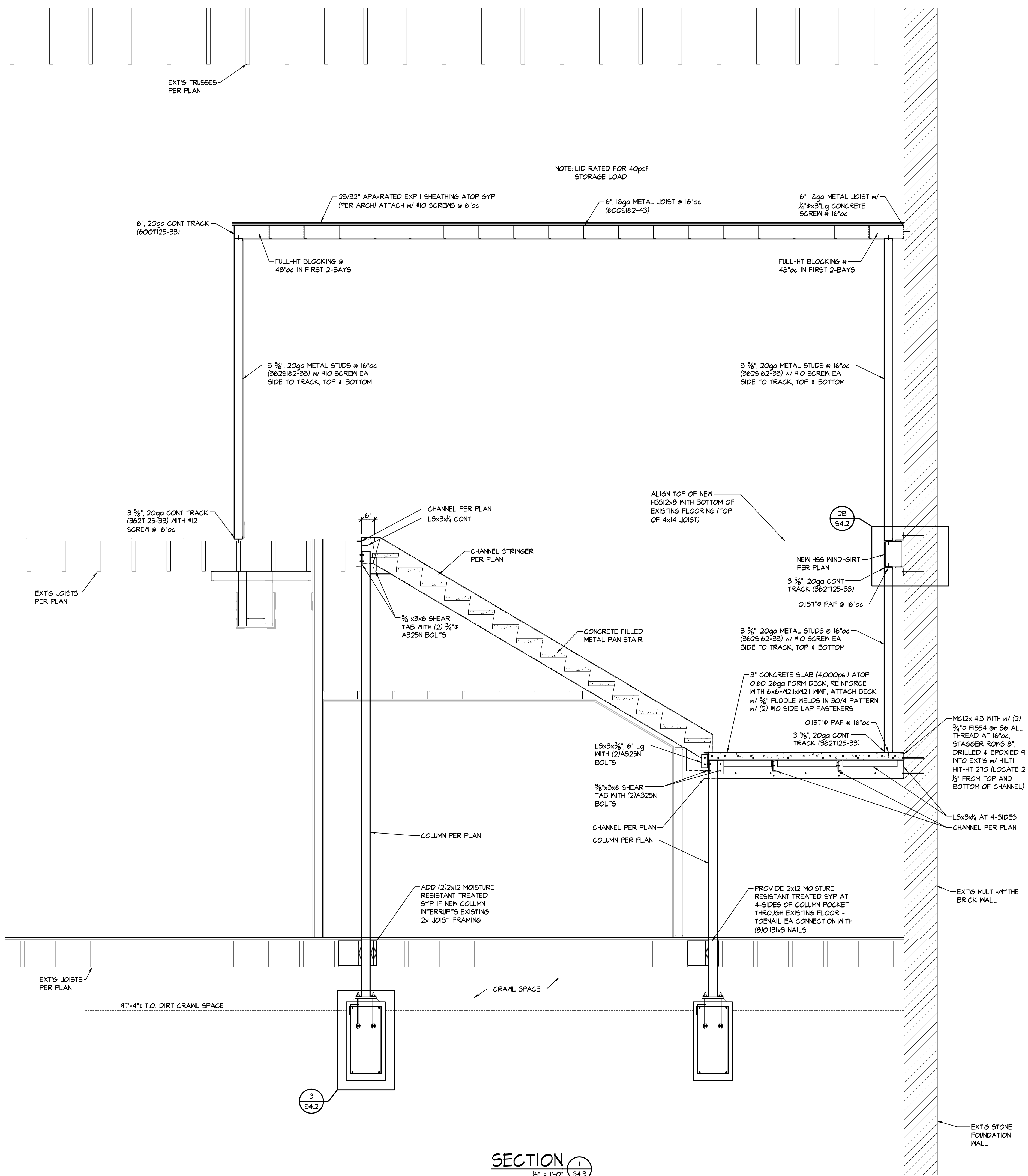
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**S4.2**

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SECTION 1  
1/2" = 1'-0" 543



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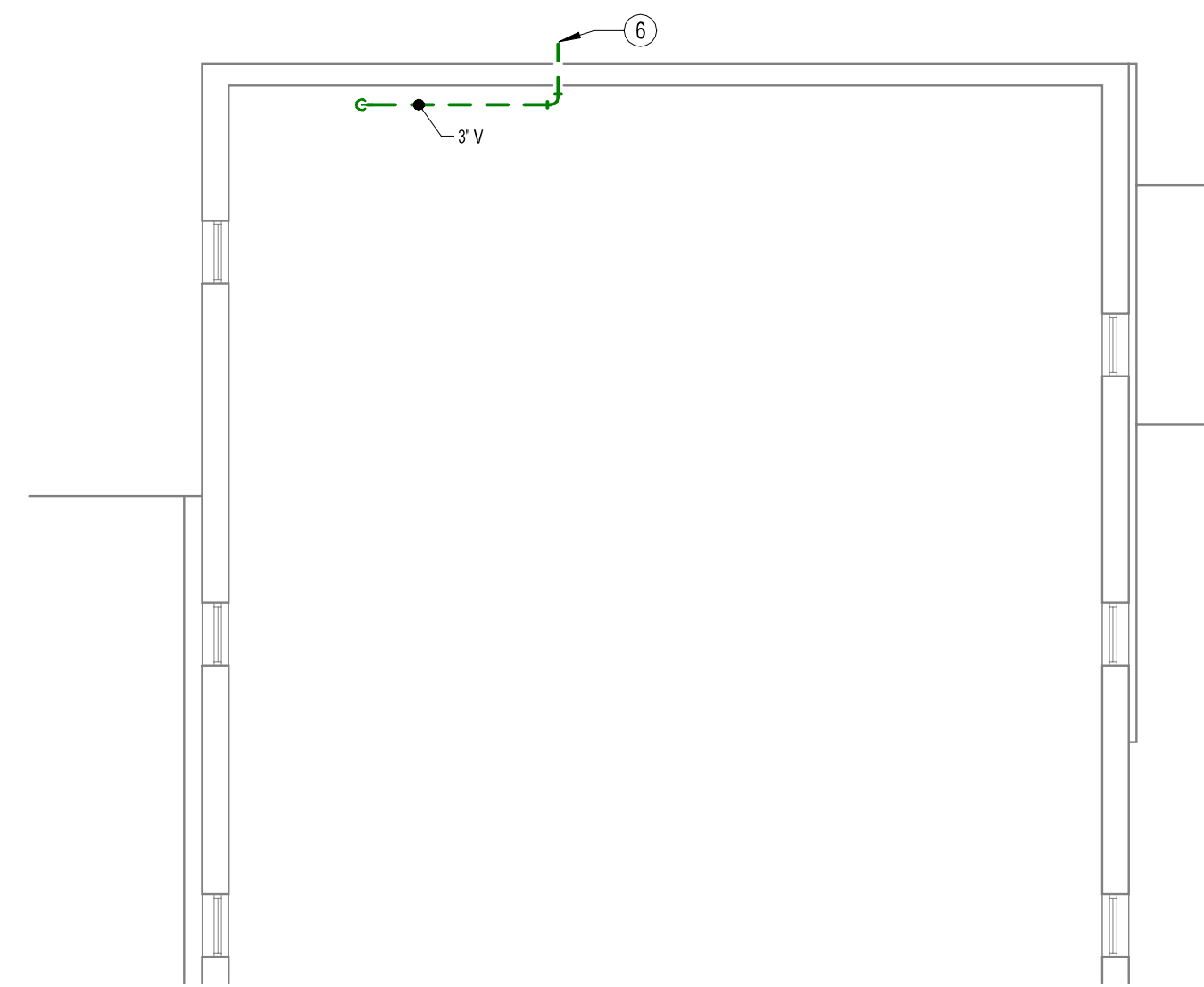
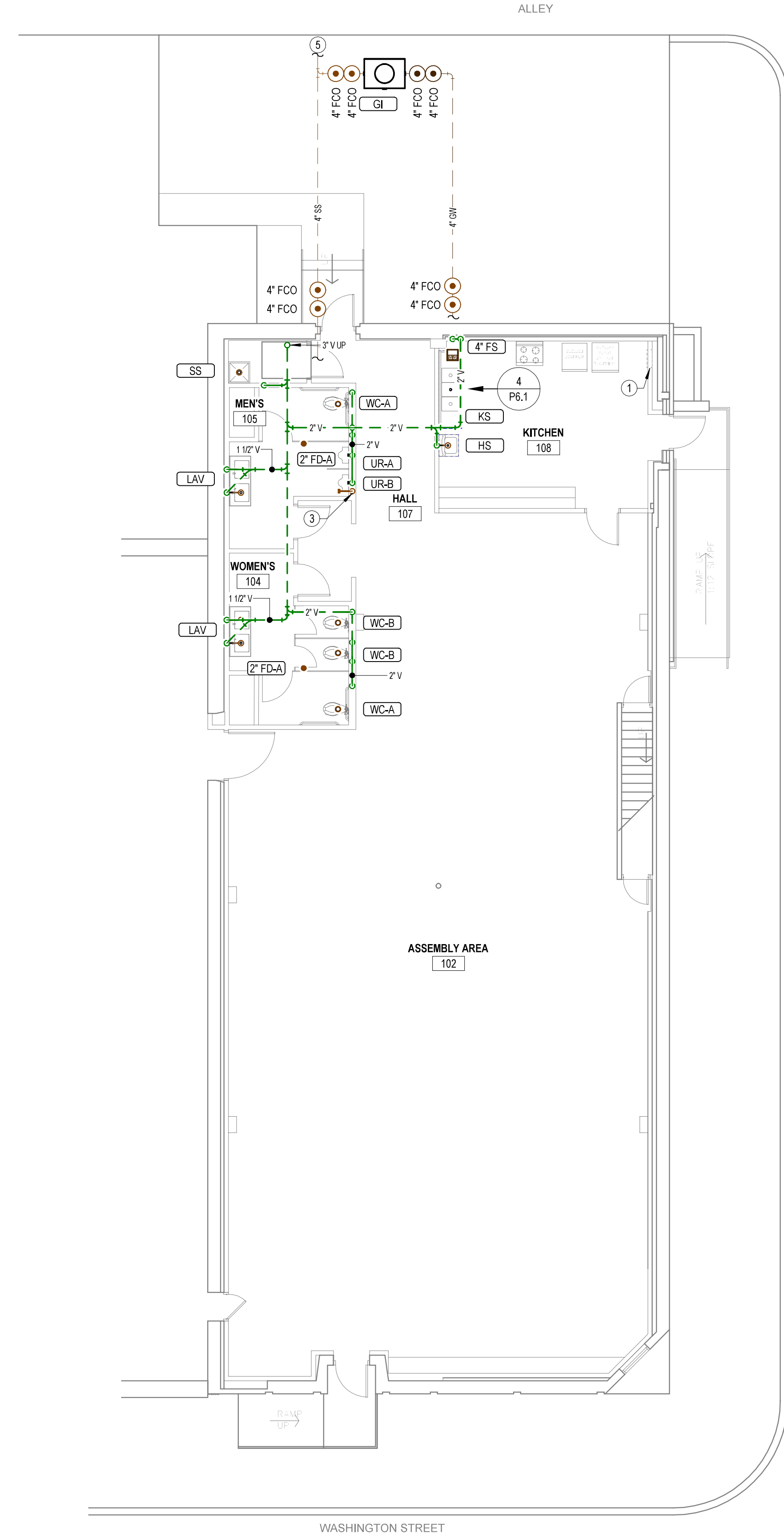
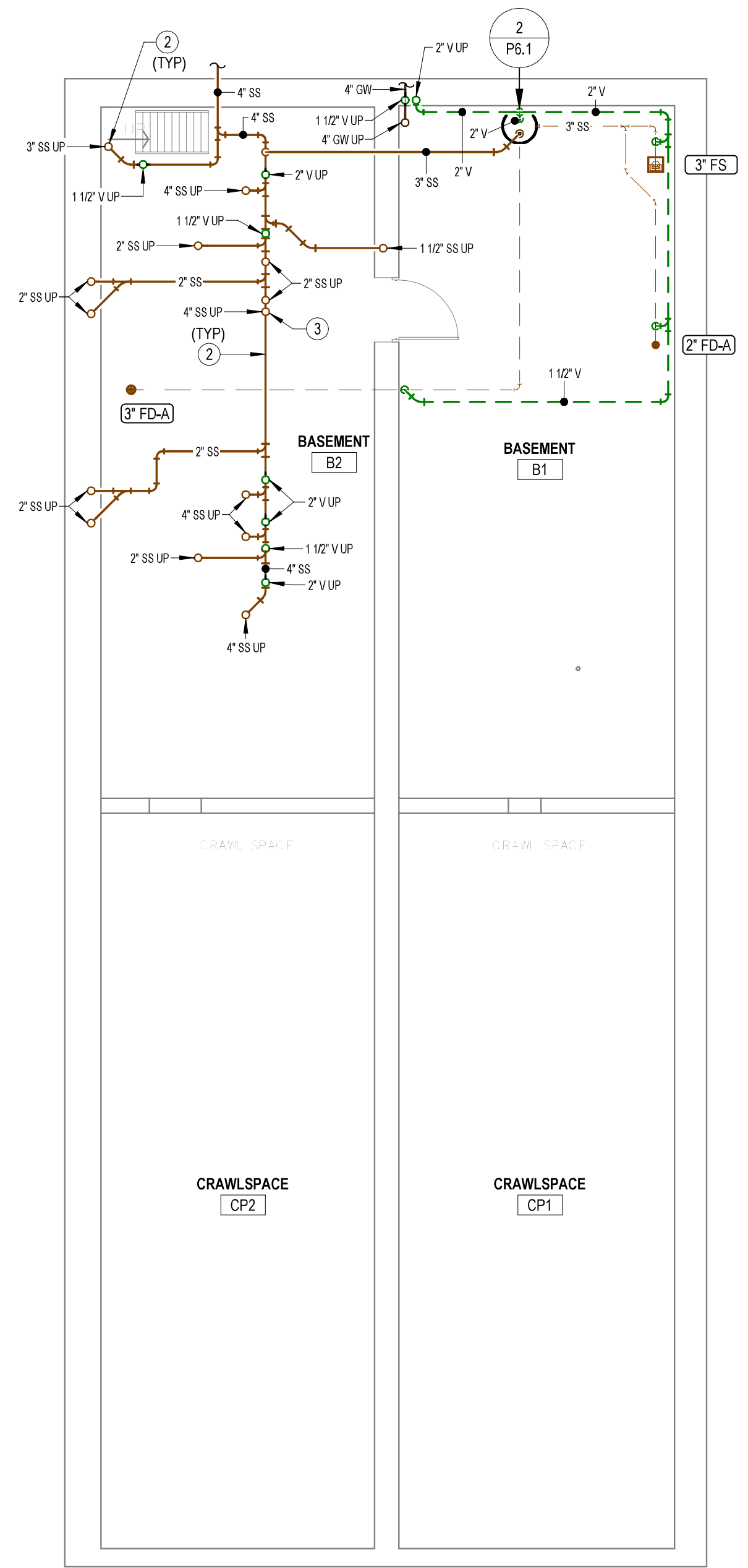
Plumbing Sheet Index	
P0.1	PLUMBING TITLE SHEET
P1.1	BASEMENT AND FIRST FLOOR WASTE AND VENT PLAN
P2.1	BASEMENT AND FIRST FLOOR DOMESTIC WATER AND GAS PLAN
P6.1	PLUMBING SCHEDULES
P9.1	PLUMBING RISERS

General Plan Symbols		Plumbing Symbols	
	Plan Revision Number		Nominal Pipe Size
	Detail Number on Sheet		Above Ground Piping
	Sheet Number Where Detail is Placed		Below Ground Piping
	Keynote Symbol		Pipe Slope (When Applicable)
	Continuation Symbol		Existing Pipe To Remain
	Point Where New Connects To Existing		Pipe To Be Demolished
	Room Name / Number		Domestic Cold Water
	Area Being Demolished		Non-Portable Water
	Area Not In Contract		Soft Cold Water
	Electrical Equipment Do not route HVAC installation above or below equipment. Maintain working clearance as indicated by dashed line.		Filtered Cold Water
			Reverse Osmosis Water
			Domestic Hot Water
			Domestic Hot Water 140°
			Hot Water Recirculation
			Hot Water Recirculation 140°
			Sanitary Drain
			Sanitary Vent
			Radon Mitigation
			Sanitary Wet Vent
			Combination DWV
			Condensate Drain
			Indirect Drain
			Grease Waste
			Grease Vent
			Pump Discharge
			Storm Drain
			Storm Overflow
			Compressed Air
			Natural Gas
			Liquid Propane
			Pipe Rise / Drop
			Cleanout
			Check Valve
			Balancing Valve
			Circuit Setter
			Gate Valve
			Ball Valve
			Fluid Strainer
			Emergency Gas Shutoff
			Plug Valve
			Gas Shutoff Cock
			Gas Regulator
			Thermostatic Valve
			Mixing Valve
			Emergency Mixer
			Pressure Reducing Valve
			Water Meter
			Double Check Valve
			Reduced Pressure Zone
			Floor Drain
			Area Drain
			Deck Drain
			Hub Drain (Funnel Type)
			Floor Sink
			Roof Drain
			Combination Drain
			Rainfall Surface Area
<b>Abbreviations</b>		<b>Pipe Accessory Notes</b>	
Ø	ROUND	4"	4" FCO
ABV	ABOVE	2"	2" CHECK
AC	AIR CONDITIONING	2"	2" BALANCE
AD	AREA DRAIN	2"	2" CIR
ADD	ADDENDUM	2"	2" GATE
AFF	ABOVE FINISHED FLOOR	1/2"	1/2" S/O
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	2"	2" STRAIN
ALT	ALTERNATE	1"	1" GAS-CNTRL
AP	ACCESS PANEL	1"	1" PLUG
ARCH	ARCHITECT/ARCHITECTURAL	1"	1" GAS COCK
BFF	BELOW FINISHED FLOOR	1"	1" REG
BLW	BELOW	1"	1" TV
BTU	BRITISH THERMAL UNITS	IMVXTP	IMVXTP
BTUH	BRITISH THERMAL UNITS PER HOUR	IMVEM	IMVEM
CAP	CAPACITY	2"	2" PRV
CB	CATCH BASIN	2"	2" METER
CLG	CEILING	2"	2" FC
CO	CLEAN OUT	2"	2" AD-1
D	DEGREE	6"	6" DD-1
DB	DRY BULB	8"	8" HD-1
DIA	DIAMETER	3"	3" FS
DN	DOWN	6"	6" SD-12
DW	DISTILLED WATER	6"	6" SD-1
EA	EACH	2000 SF	2000 SF
EAT	ENTERING AIR TEMPERATURE		
ELEC	ELECTRICAL		
EQUIP	EQUIPMENT		
EWC	ELECTRIC WATER COOLER		
EWT	ENTERING WATER TEMPERATURE		
EJA	EXHAUST AIR		
EXIST	EXISTING		
F	DEGREES FAHRENHEIT		
FCO	FLOOR CLEAN OUT		
FD	FLOOR DRAIN		
FDC	FIRE DEPARTMENT CONNECTION		
FL	FLOOR		
FO	FUEL OIL		
FOV	FUEL OIL VENT		
FOR	FUEL OIL RETURN		
FOS	FUEL OIL SUPPLY		
FFM	FEET PER MINUTE		
FS	FLOOR SINK		
FT	FOOT/FEET		
FTR	FIN TUBE RADIATION		
GAL	GALLON		
GF	GAS-FIRED		
GC	GENERAL CONTRACTOR		
GPM	GALLONS PER MINUTE		
GW	GREASE WASTE		
HB	HOSE BIB		
HP	HORSE POWER		
HTG	HEATING		
HTR	HEATER		
HW	HOT WATER		
HYD	HYDRANT		
ID	INDIRECT		
IN	INCH		
INV	INVERT		
LB	POUND		
LBHR	POUNDS PER HOUR		
LAT	LEAVING AIR TEMPERATURE		
LP	LOW PRESSURE		
LPG	LIQUEFIED PETROLEUM GAS		
LVR	LOUVER		
LWT	LEAVING WATER TEMPERATURE		
M/A	MIXED AIR		
MAX	MAXIMUM		
MBH	ONE THOUSAND BTU PER HOUR		
MCF	ONE THOUSAND CUBIC FEET		
MD	MOTORIZED DAMPER		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MTR	MOTOR		
MUA	MAKE-UP AIR		
M/A	NOISE CRITERIA		
NC	NORMALLY CLOSED		
NO	NORMALLY OPEN		
NTS	NOT TO SCALE		
O	OXYGEN		
O/A	OUTSIDE AIR		
ORD	OVERFLOW ROOF DRAIN		
PD	PRESSURE DRIP		
PIV	POST INDICATOR VALVE		
PLBG	PLUMBING		
PRV	PRESSURE REDUCING VALVE		
PSI	POUNDS PER SQUARE INCH		
PSIG	POUNDS PER SQUARE INCH GAUGE		
PWR	POWER		
R	DUCT RISER		
R/A	RETURN AIR		
RCP	RADIANT CEILING PANEL		
RD	ROOF DRAIN		
REC	RECESSED		
RED	REDUCER		
RH	RELATIVE HUMIDITY		
R/LA	RELIEF AIR		
RM	ROOM		
RPM	REVOLUTIONS PER MINUTE		
RW	RAIN WATER		
SF	SQUARE FOOT		
S/A	SUPPLY AIR		
SAN	SANITARY		
SF	SQUARE FOOT		
SD	SMOKE DAMPER		
SM	SURFACE MOUNT		
SP	STANDPIPE		
SP	STATIC PRESSURE		
STM	STEAM		
T	THERMOSTAT		
TD	TEMPERATURE DROP		
TDR	TRENCH DRAIN		
TEMP	TEMPERATURE		
TYP	TYPICAL		
UG	UNDERGROUND		
VAC	VACUUM		
V	VENT		
VAV	VARIABLE AIR VOLUME		
VENT	VENTILATION		
VTR	VENT THROUGH ROOF		
W	WASTE		
WB	WET BULB		
WCO	WALL CLEAN OUT		
WH	WALL HYDRANT		
WSV	WASTE STACK VENT		
<b>Equipment Abbreviations</b>		<b>Plumbing Fixture Notes</b>	
AC	AIR CONDITIONING UNIT	2" FD-A	2" FD-A
ACCU	AIR COOLING CONDENSING UNIT	2" FD	2" FD
AHU	AIR HANDLING UNIT	2" FDP	2" FDP
AS	AIR SEPARATOR	2" FD	2" FD
B	BOILER	3" AD-1	3" AD-1
CH	CHILLER	6" DD-1	6" DD-1
CT	COOLING TOWER	8" HD-1	8" HD-1
CUH	CABINET UNIT HEATER	3" FS	3" FS
CHWP	CHILLED WATER PUMP	6" SD-12	6" SD-12
DBP	DOMESTIC WATER BOOSTER PUMP	6" SD-1	6" SD-1
DC	DUCT MOUNTED COIL	2000 SF	2000 SF
DCP	DOMESTIC WATER CIRCULATING PUMP		
EF	EXHAUST FAN		
EDC	ELECTRIC DUCT COIL		
ET	EXPANSION TANK		
EW	ELECTRIC WATER HEATER		
FCU	FAN COIL UNIT		
FP	FIRE PUMP		
GI	GREASE INTERCEPTOR		
GRV	GRAVITY ROOF VENTILATOR		
HWP	HEATING WATER PUMP		
HRU	HEAT RECOVERY UNIT		
PRV	POWER ROOF VENTILATOR		
RE	RETURN EXHAUST FAN		
RTU	ROOFTOP UNIT		
SP	SUMP PUMP		
UH	UNIT HEATER		
WH	WATER HEATER		

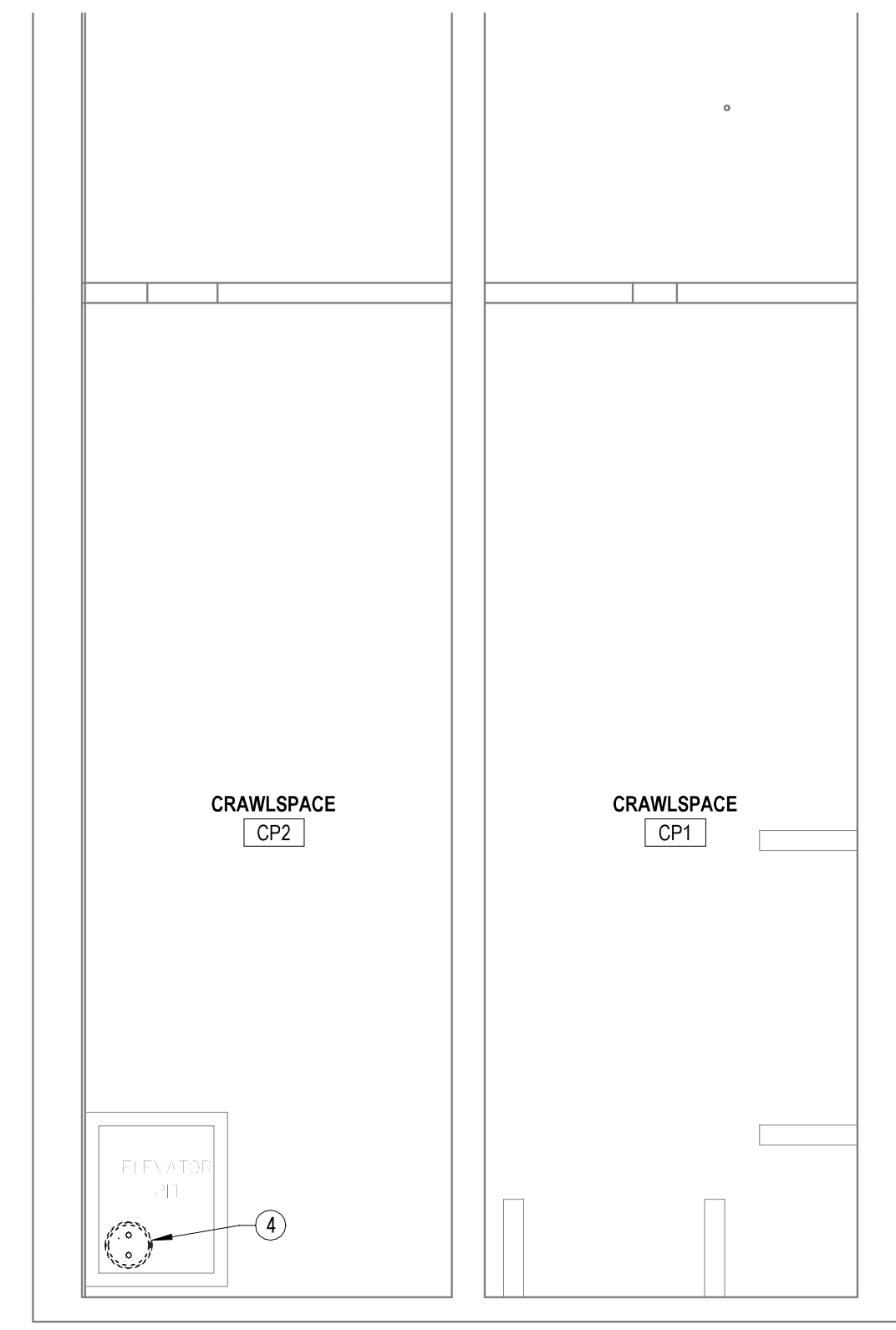
\*NOTE\*  
 ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

- GENERAL PLUMBING NOTES**
- FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
  - PITCH UNDER FLOOR SANITARY WASTE PIPING OVER 2" AT 18" PER FOOT, 2" AND SMALLER AT 14" PER FOOT.
  - FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
  - ROUTE DOMESTIC WATER, AND SANITARY SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
  - WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.
  - LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
  - FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL (OR UNIFORM, DEPENDING ON JURISDICTION) PLUMBING CODE AND INTERNATIONAL MECHANICAL CODE.
  - LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
  - LOCATE PIPING AND EQUIPMENT OUTSIDE OF THE NEC REQUIRED CLEAR SPACE ABOVE AND AROUND ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR.
  - PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE U/L LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.
  - PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
  - MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE. VISUAL INSPECTION OR HAND OPERATION, WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.
  - TRANSITION FROM PIPING SIZES SHOWN TO PROPERLY CONNECT TO EQUIPMENT.
  - PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
  - INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
  - INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILING.
  - PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL PLUMBING EQUIPMENT AND MATERIALS. SUBSTITUTE EQUIPMENT AND MATERIALS INSTALLED WITHOUT PRIOR APPROVAL SHALL BE SUBJECT TO REPLACEMENT AT CONTRACTOR'S EXPENSE.
  - CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
  - PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.
- GENERAL PLUMBING DEMOLITION NOTES**
- ALL PIPING TAKEN OUT OF SERVICE SHALL BE REMOVED, WHERE PIPING TO BE REMOVED IS CONNECTED TO EXISTING PIPING TO REMAIN. PIPING SHALL BE REMOVED BACK TO MAIN AND CAPPED, UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL DISPOSE OF PIPING OR DELIVER TO OWNER, AS DIRECTED BY OWNER.
  - WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB. COORDINATE CUTTING PATCHING OF EXISTING WALLS, CEILING, ROOF AND FLOORS AFFECTED BY MECHANICAL DEMOLITION WITH G.C.
  - ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED OF AS DIRECTED BY OWNER.
  - REMOVE ALL PLUMBING INSTALLATION FROM PROJECT AREA, UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C.
  - SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION.
  - NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED.
  - FIELD VERIFY EXACT LOCATION OF ALL EXISTING PLUMBING INSTALLATION INDICATED ON DRAWINGS.
  - ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW CONDITION PRIOR TO RE-USE.

- NOTES BY SYMBOL**
- ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
  - ROUTE PIPING IN BASEMENT AS HIGH AS POSSIBLE TO MAXIMIZE HEADROOM. COORDINATE EXACT ROUTING WITH EXISTING CONSTRUCTION AND OTHER TRADES.
  - ROUTE 4" DRAIN UP IN WALL TO ABOVE BATHROOM CEILING AND CAP FOR FUTURE CONNECTION OF FIXTURES UPSTAIRS.
  - PROVIDE 24" DIAMETER x 36" DEEP OPEN FIBERGLASS SUMP PUMP BASIN, FIBERBASIN OR EQUAL, 3/16" WALL THICKNESS, WITH GRATE COVER IN ELEVATOR PIT FOR FUTURE SUMP PUMP.
  - EXTEND BUILDING DRAIN TO CITY SANITARY SEWER. FIELD COORDINATE EXACT LOCATION OF CITY SEWER AND CONNECTION REQUIREMENTS WITH CITY OF CLYDE. PAY ANY ASSOCIATED FEES.
  - FIELD COORDINATE EXACT LOCATION OF VENT WITH EXISTING BUILDING CONSTRUCTION, OTHER TRADES, AND ARCHITECT PRIOR TO ROUGH-IN.



**4 PARTIAL SECOND FLOOR-WASTE AND VENT PLAN**  
 1/8" = 1'-0"



**1 BASEMENT-WASTE AND VENT PLAN**  
 1/8" = 1'-0"

**2 FIRST FLOOR-WASTE AND VENT PLAN**  
 1/8" = 1'-0"

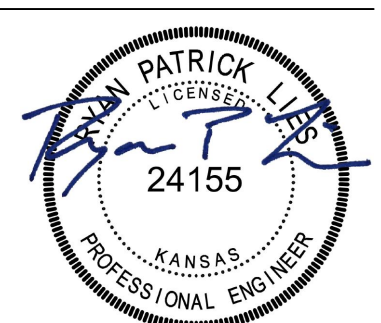
**3 PARTIAL-BASEMENT-WASTE AND VENT PLAN-ALTERNATE #1**  
 1/8" = 1'-0"

**CLYDE COMMUNITY HALL**

RENOVATION

KANSAS

CLYDE,



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P1.1

COPPER PIPE SIZE INDICATED	ALTERNATE MATERIAL SIZE	
	Cross-linked polyethylene (PEX)	Polypropylene
1/2"	1/2"	1/2"
3/4"	3/4"	3/4"
1"	1-1/4"	1-1/4"
1-1/4"	1-1/2"	1-1/2"
1-1/2"	2"	2"
2"	2-1/2"	2-1/2"
2-1/2"	3"	3"
3"	3-1/2"	3-1/2"

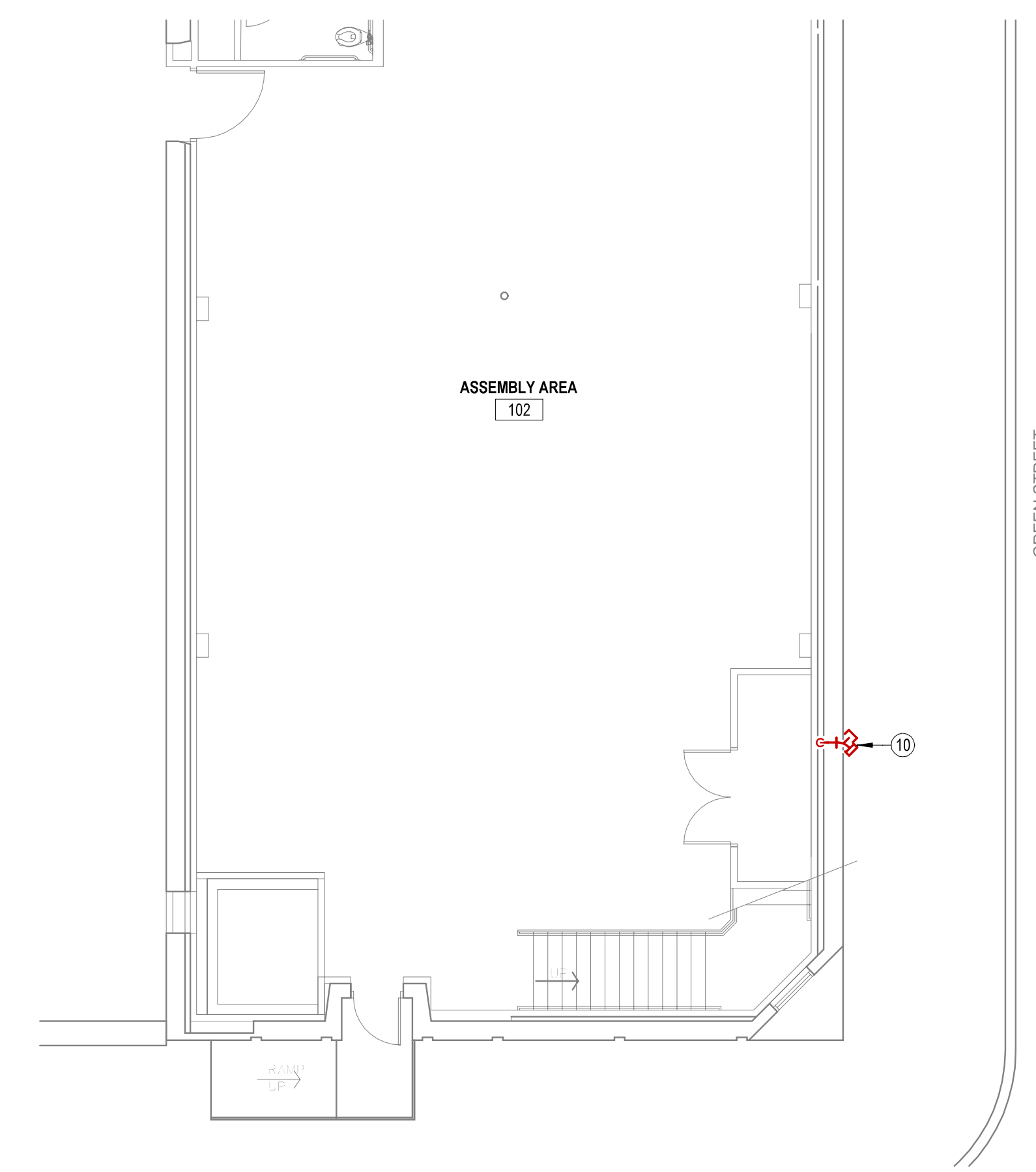
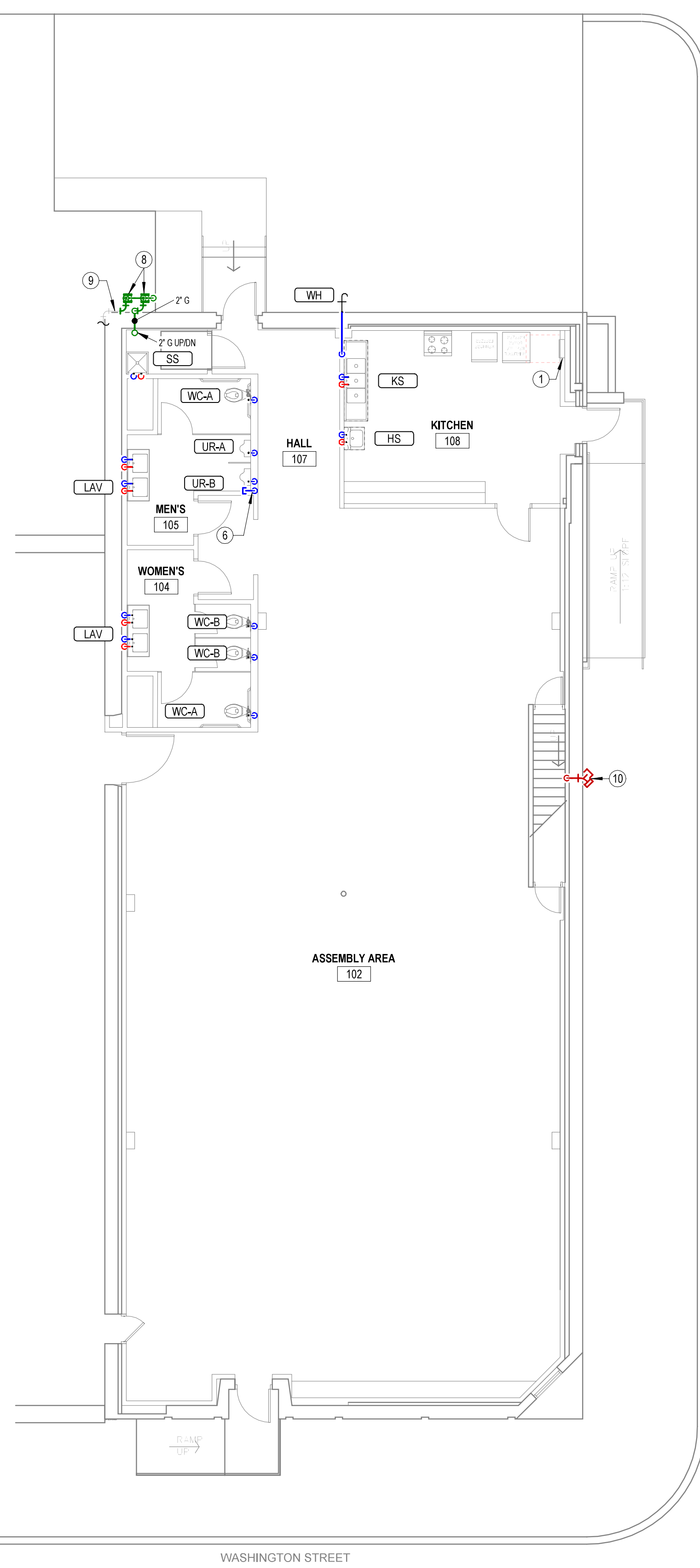
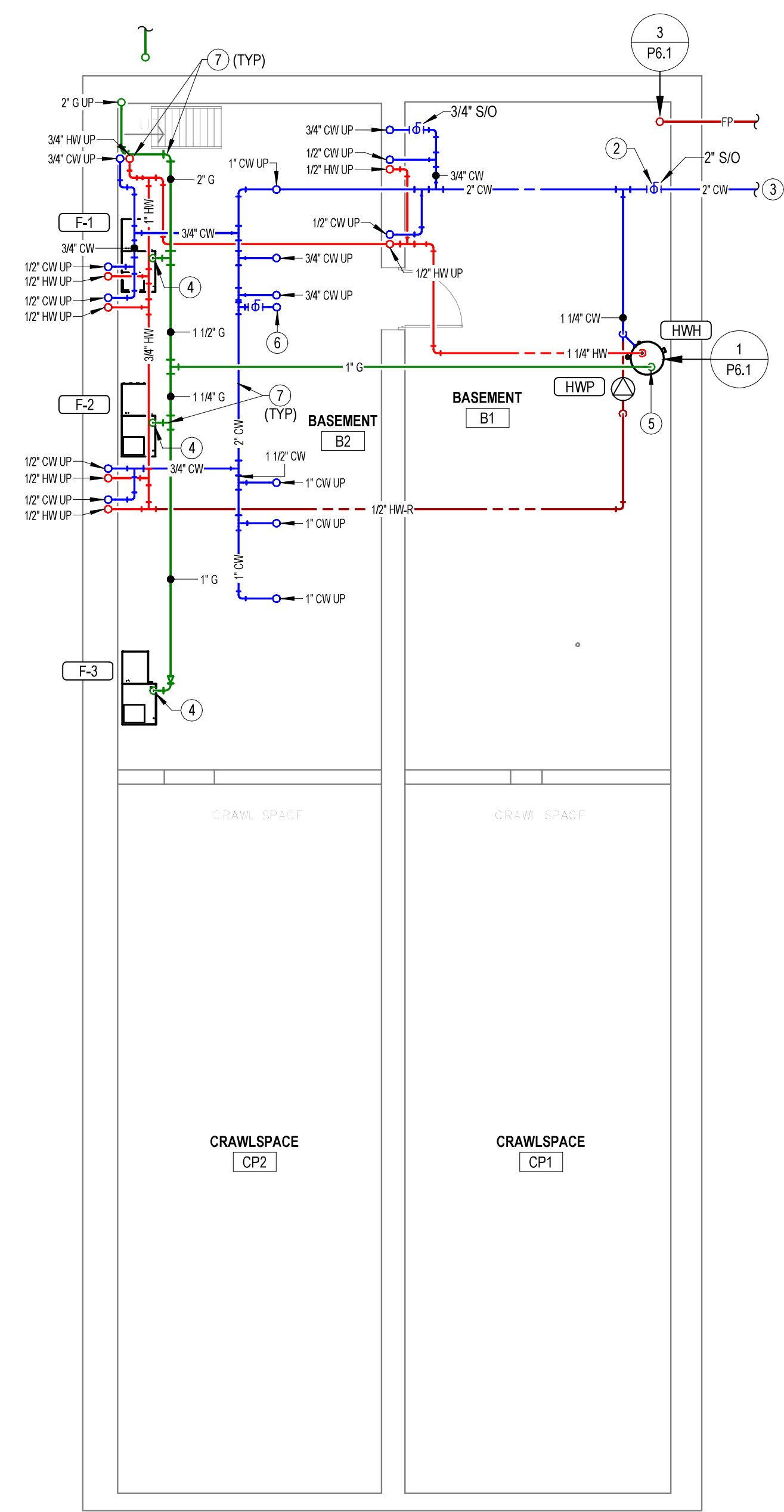
Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.

**WATER SERVICE COORDINATION NOTE**

1 CONTRACTOR IS RESPONSIBLE FOR COORDINATING ROUTING OF NEW 2" DOMESTIC WATER SERVICE LINE AND 4" FIRE PROTECTION LINE WITH THE CITY OF CLYDE.  
 - DAN LEDUC, 785-243-6989  
 EXISTING 6" WATER MAIN IS LOCATED ON WASHINGTON STREET APPROXIMATELY 12' FROM THE NORTH CURB LINE. EACH TAP SHALL BE PROVIDED WITH A SHUT-OFF VALVE LOCATED NEAR THE TAP. PLUMBING CONTRACTOR SHALL COORDINATE MEANS AND METHODS OF WATER LINE INSTALLATION (I.E., BORING VERSUS TRENCHING, AND LOCATION) WITH THE GENERAL CONTRACTOR PRIOR TO BID DUE DATE.

**NOTES BY SYMBOL**

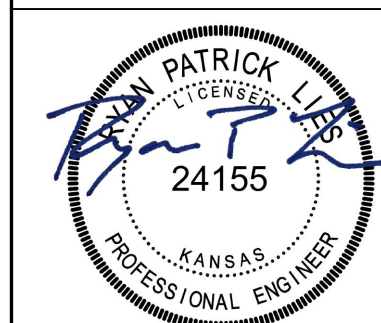
- ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
- PROVIDE SHUT-OFF VALVE AND PRESSURE REDUCING VALVE, IF REQUIRED IN WATER SERVICE RISER. COORDINATE EXACT REQUIREMENTS WITH CITY OF CLYDE.
- EXTEND WATER SERVICE TO CITY WATER MAIN. COORDINATE EXACT LOCATION OF WATER MAIN AND TAPPING AND METERING REQUIREMENTS WITH CITY OF CLYDE. PAY ALL ASSOCIATED FEES.
- CONNECT GAS TO FURNACE. PROVIDE GAS COCK, UNION, AND DIRT LEG.
- CONNECT GAS TO WATER HEATER. PROVIDE GAS COCK, UNION, AND DIRT LEG.
- ROUTE 2" CW UP IN WALL TO ABOVE BATHROOM CEILING AND CAP FOR FUTURE CONNECTION OF FIXTURES UPSTAIRS. PROVIDE ISOLATION VALVE IN BRANCH IN BASEMENT.
- ROUTE PIPING IN BASEMENT AS HIGH AS POSSIBLE TO MAXIMIZE HEADROOM. COORDINATE EXACT ROUTING WITH EXISTING CONSTRUCTION AND OTHER TRADES.
- RELOCATE EXISTING GAS METERS AS INDICATED FOR NEW WORK. COORDINATE EXACT REQUIREMENTS WITH KANSAS GAS SERVICE AND PAY ALL ASSOCIATED FEES.
- CONNECT EXISTING GAS PIPING SERVING ADJACENT BUILDING TO RE-LOCATED METER. MATCH EXISTING PIPING SIZE, AND MODIFY EXISTING PIPING AS REQUIRED. FIELD VERIFY EXACT REQUIREMENTS.
- LOCATE FIRE SPRINKLER FIRE DEPARTMENT CONNECTION IN FURRED OUT WALL AT THIS LOCATION. FIELD COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT AND A.H.J.



**1 BASEMENT-DOMESTIC WATER AND GAS PLAN**  
 1/8" = 1'-0"

**2 FIRST FLOOR-DOMESTIC WATER AND GAS PLAN**  
 1/8" = 1'-0"

**3 PARTIAL-FIRST FLOOR-DOMESTIC WATER PLAN AND GAS-ALTERNATE #1**  
 1/8" = 1'-0"



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WATER HEATER SCHEDULE									
GENERAL: PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.									
MARK	MANUFACTURER	MODEL	STORAGE	RECOVERY CAPACITY	TEMP. RISE	EFFICIENCY	GAS HEAT	VOLTAGE/ PHASE	DESCRIPTION
HWH	AO Smith	BTH-100	60 gal	128.0 GPM	90 °F	97%	100,000 Btu/h	120 V/1	GAS WATER HEATER, DIRECT VENT. SUPPLIED WITH TEMPERATURE AND PRESSURE RELIEF VALVE AND BRASS DRAIN VALVE. PROVIDE WITH MANUFACTURER'S CONCENTRIC VENT KIT.

PUMP SCHEDULE						
GENERAL: PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.						
MARK	MANUFACTURER	MODEL	FLOW	HEAD	VOLTAGE/PH ASE	DESCRIPTION
HWP	BELL & GOSSETT	NBF-33	10.0 GPM	10.0 FT	120 V/1	CIRCULATION PUMP, BRONZE BODY. PROVIDE CLAMP-ON AQUASTAT FOR PUMP CONTROL.

GREASE INTERCEPTOR SCHEDULE							
MARK	MANUFACTURER	MODEL	TYPE	FLOW	GREASE CAPACITY	SOLIDS CAPACITY	LIQUID CAPACITY
GI	SCHIER	GB-75	HYDROMECHANICAL	75.0 GPM	861 lbm	31.0 gal	125.0 gal

PLUMBING FIXTURE SCHEDULE												
GENERAL: PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.												
VENT SIZES ARE APPLICABLE ONLY FOR INDIVIDUAL FIXTURE VENTS WHERE ALTERNATE VENTING METHOD HAS NOT BEEN INDICATED ON PLANS.												
PROVIDE 1/4 TURN STOP VALVES ON ALL HOT AND COLD WATER SUPPLY LINE CONNECTIONS FOR FIXTURES.												
NOTES: 1. FIXTURE AND INSTALLATION TO MEET REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT. 2. PROVIDE 1/4 TURN ANGLE STOPS WITH ESCUTCHEON PLATES, CHROME PLATED OR BRAIDED STAINLESS STEEL SUPPLIES, AND 1-1/4" CAST BRASS P-TRAP. 3. INSULATE WATER AND WASTE PIPING BELOW SINK. UTILIZE INSULATION KIT EQUIVALENT TO LAVGUARD BY TRUEBRO. 4. TRIM SHALL BE PROVIDED WITH POLISHED CHROME FINISH. 5. VERIFY FIXTURE COLOR SELECTION WITH ARCHITECT. 6. PROVIDE FLOOR DRAIN/SINK FLANGE TYPE AS REQUIRED FOR FLOORING AND FLOOR CONSTRUCTION. COORDIANTE REQUIREMENTS WITH G.C. AND ARCHITECT.												
MARK	MANUFACTURER	MODEL	PRODUCT DESCRIPTION	TRIM	ROUGH-IN SIZES			COLD	HOT	ADA COMPLIANT	NOTES	
					DRAI N	VENT	WATER					
2" FD-A	WATTS	FD-100	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAPGUARD	2"	2"					6	
3" FD-A	WATTS	FD-100	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAPGUARD	3"	2"					6	
3" FS	WADE	FS-740	12" SQUARE, 8" DEEP FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAP GUARD	3"	2"					6	
4" FS	WADE	FS-740	12" SQUARE, 8" DEEP FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LIFT OUT SEDIMENT BUCKET, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON 1/2 GRATE.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAP GUARD	4"	2"					6	
HS	ADVANCE TABCO	7-PS-60	18 GAUGE STAINLESS STEEL WALL HUNG, 14" X 10" X 5"D SINK, WITH BACKSPASH MOUNTED GOOSENECK FAUCET, PROVIDE WITH BASKET STRAINER AND WALL BRACKET.		1 1/2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,4	
KS	JOHN BOOS	3PB1620-2D18	16 GAUGE STAINLESS STEEL 3 COMPARTMENT SINK WITH 16" X 20" X 12"D BOWLS	T&S BRASS MODEL 5PR08W12 WALL MOUNT HOSE WITH SPRAY HEAD FAUCET, HOLES 8" ON CENTER, 6" WALL BRACKET, WITH 12" ADD ON SWING SPOUT FACUET, QUARTER TURN CERAMA CARTRIDGES, LOW LEAD. T&S BRASS MODEL B-3950 WASTE VALVE WITH TWIST HANDLE, 3-1/2" SINK OPENING.	2"		1/2"	Yes	Yes	No	2,4	
LAV	NEO-METRO	9220-2	VARI-SLAB MODEL 9220-2 - 2-BASIN LAVATORY SYSTEM WITH (2) INTEGRAL EDGE BASINS (BBED), 24" X 56" DECK, HOLES AS REQUIRED FOR FAUCETS AND SOAP DISPENSERS, COLOR COTTON TAIL (OCC19), PROVIDE FRONT AND SIDE APRONS, AND FRONT MOUNT WITH P-TRAP COVER PANELS (FMTE), COORDINATE EXACT REQUIREMENTS WITH ARCHITECT AND MANUFACTURER.	AMERICAN STANDARD MODEL 7061104 SINGLE HANDLE FAUCET, LEONARD MODEL TM-1 POINT OF USE MIXING VALVE. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,5	
SS	ZURN	Z1996-24	ONE PIECE MOLDED STONE TOP BASIN, 24" SQUARE, STAINLESS STEEL INTEGRAL DRAIN BODY WITH CAULK CONNECTION, STAINLESS STEEL WALL GUARDS.	ZURN FAUCET MODEL Z843M1-XL WITH HOSE THREAD OUTLET, VACUUM BREAKER SPOUT, PAIL HOOK, WALL BRACE, INTEGRAL CHECK VALVES, METAL LEVER HANDLES.	3"	1 1/2"	3/4"	Yes	Yes	No		
UR-A	AMERICAN STANDARD	6516002EC	WALL HUNG URINAL, VITREOUS CHINA, 3/4" TOP SPUD, ELONGATED FLUSHING RIM, WASHDOWN FLUSHING ACTION. MOUNT WITH RIM AT 17" AFF.	0.125 GPF PISTON TYPE MANUAL CHROME PLATED FLUSH VALVE.	2"	2"	3/4"	Yes	No	Yes	1	
UR-B	AMERICAN STANDARD	6516002EC	WALL HUNG URINAL, VITREOUS CHINA, 3/4" TOP SPUD, ELONGATED FLUSHING RIM, WASHDOWN FLUSHING ACTION. MOUNT WITH RIM AT 24" AFF.	0.125 GPF PISTON TYPE MANUAL CHROME PLATED FLUSH VALVE.	2"	2"	3/4"	Yes	No	No		
WC-A	AMERICAN STANDARD	3043.001	FLOOR MOUNTED FLUSH VALVE WATER CLOSET, WHITE VITREOUS CHINA, TOP SPUD 1.28 GPF, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	1.28 GPF PISTON TYPE MANUAL CHROME PLATED FLUSH VALVE / WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	1"	Yes	No	Yes	1	
WC-B	AMERICAN STANDARD	2234.001	FLOOR MOUNTED FLUSH VALVE WATER CLOSET, WHITE VITREOUS CHINA, TOP SPUD 1.28 GPF, 12" ROUGH-IN, ELONGATED 15" HIGH BOWL.	1.28 GPF PISTON TYPE MANUAL CHROME PLATED FLUSH VALVE / WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	1"	Yes	No	No		
WH	WOODFORD	B67	AUTOMATIC DRAINING FREEZELESS WALL HYDRANT WITH ASSE 1052 DOUBLE CHECK BACKFLOW PREVENTOR, LOOSE TEE KEY HANDLE, WITH RECESSED BOX WITH DOOR. PROVIDE WITH CHROME PLATED EXTERIOR FINISH.				3/4"	Yes	No	No		

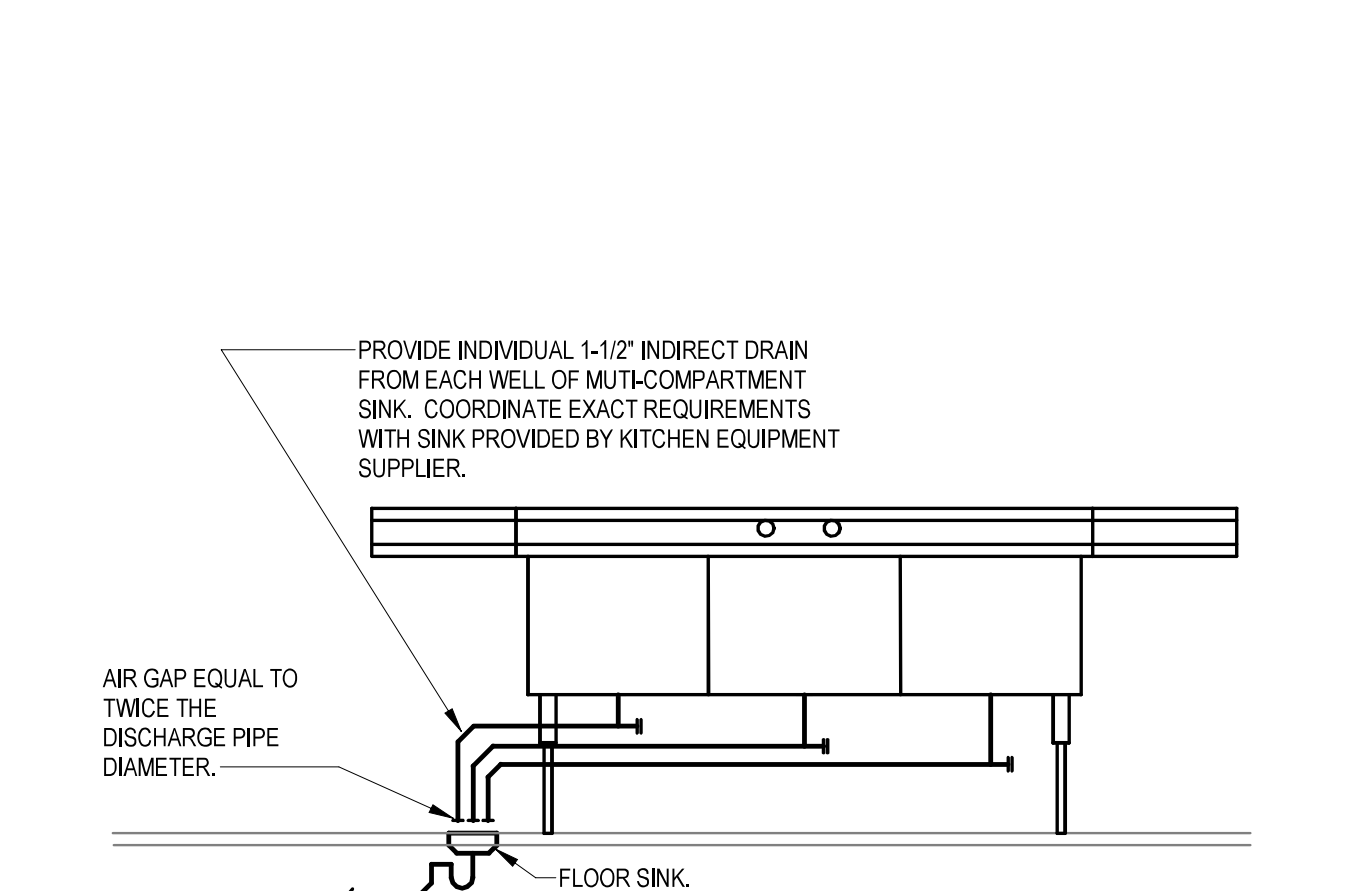
**BUILD AMERICA. BUY AMERICA (BABA) COMPLIANCE NOTE:**

This project is subject to the requirements of the Build America, Buy America Act (BABA). All materials, products, equipment, and fixtures incorporated into the Work shall comply with applicable BABA requirements unless specifically exempted by the Owner or applicable funding agency.

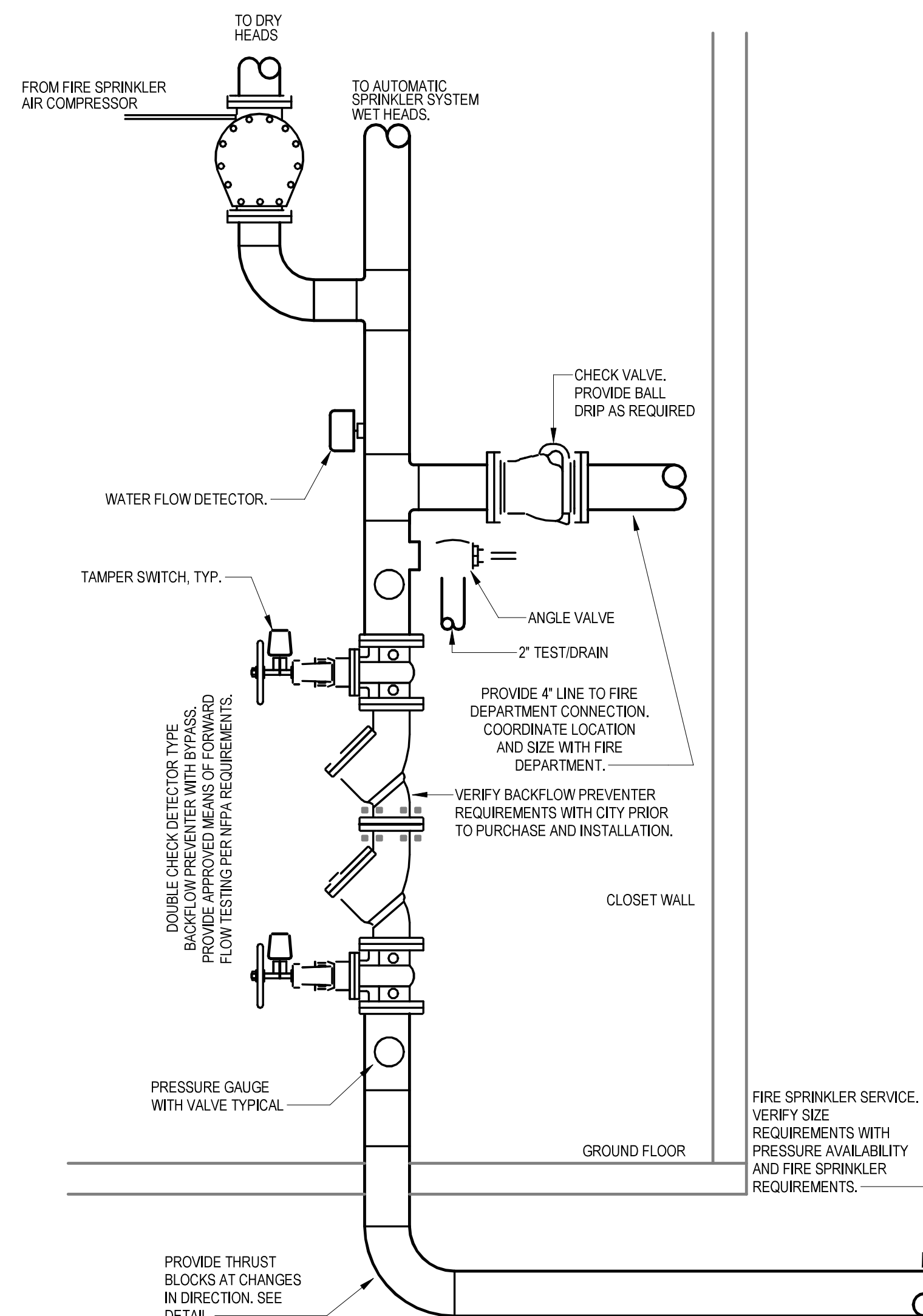
Equipment, fixtures, and materials identified in schedules or on drawings are provided for basis of design and to establish required performance, capacity, and quality standards only. Scheduled items may or may not be BABA compliant.

It shall be the Contractor's responsibility to coordinate with manufacturers and suppliers to verify and document that all products furnished and installed comply with BABA requirements. Where scheduled equipment or specified products are not BABA compliant, the Contractor shall provide compliant equipment or fixtures meeting or exceeding the specified performance, capacity, efficiency, dimensional, and functional requirements.

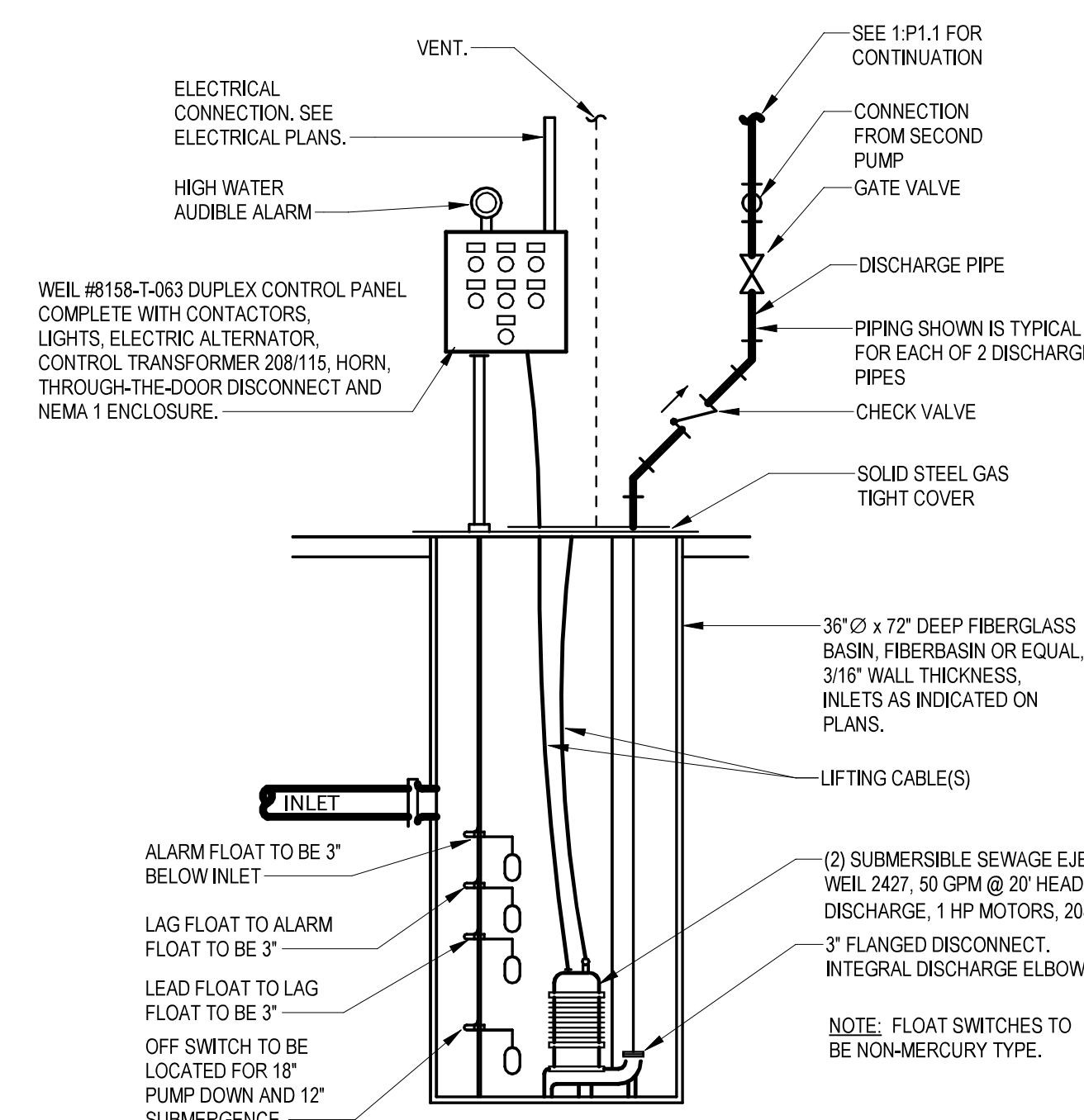
Substitutions required for BABA compliance shall be submitted in accordance with the Contract Documents for review prior to procurement.



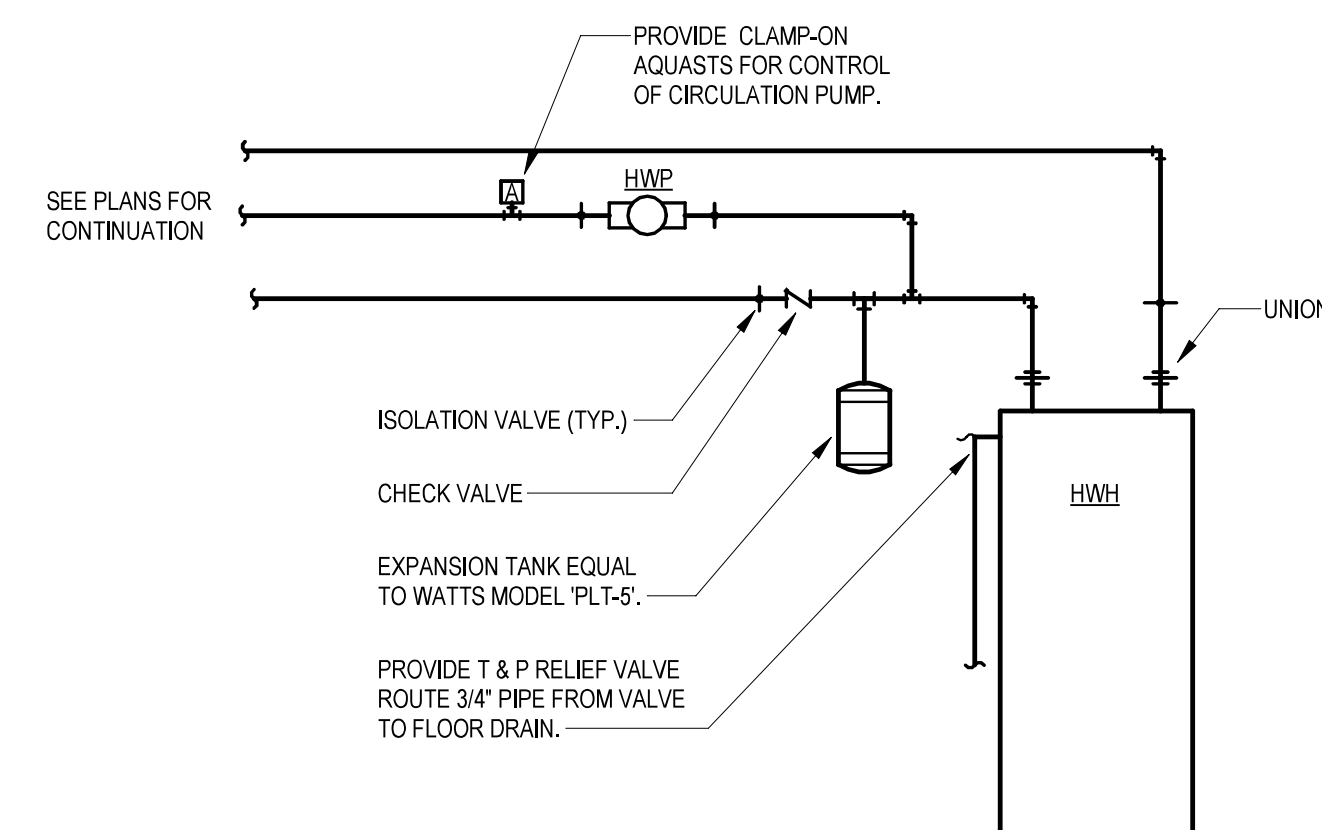
**4 MULTI-COMPARTMENT SINK DETAIL**  
 NO SCALE



**3 FIRE PROTECTION RISER DIAGRAM**  
 NO SCALE

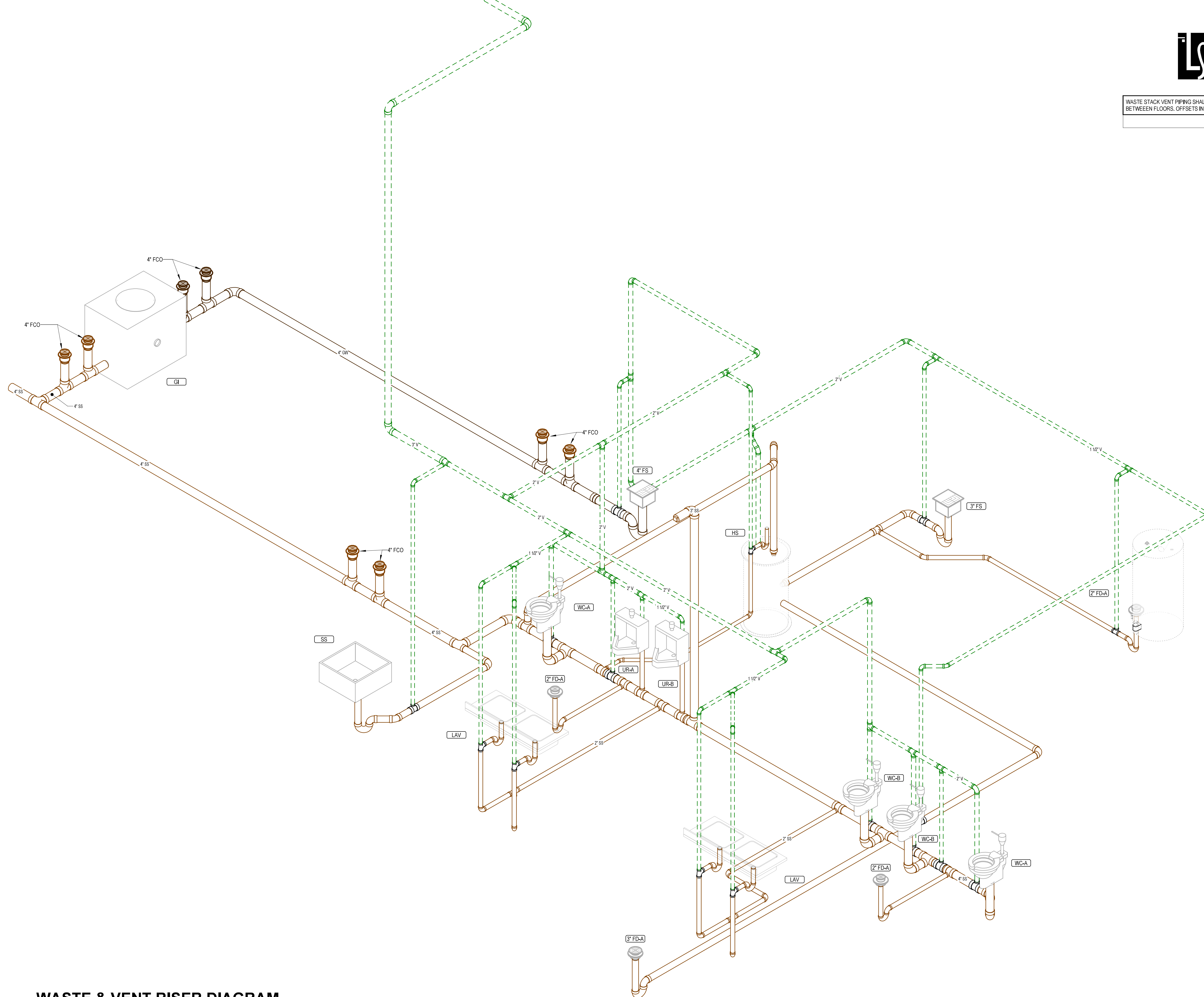


**2 SEWAGE EJECTOR DETAIL**  
 NO SCALE



**1 WATER HEATER PIPING DIAGRAM**  
 NO SCALE

WASTE STACK VENT PIPING SHALL BE INSTALLED IN A STRAIGHT VERTICAL ALIGNMENT BETWEEN FLOORS. OFFSETS IN THE STACK VENT ARE NOT PERMITTED.  
 NOTES BY SYMBOL



**1 WASTE & VENT RISER DIAGRAM**



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SHEET NO.:

HVAC SHEET INDEX	
M0.1	HVAC TITLE SHEET
M1.1	BASEMENT AND FIRST FLOOR HVAC PLAN
M1.2	SECOND FLOOR HVAC PLAN
M6.1	HVAC SCHEDULES

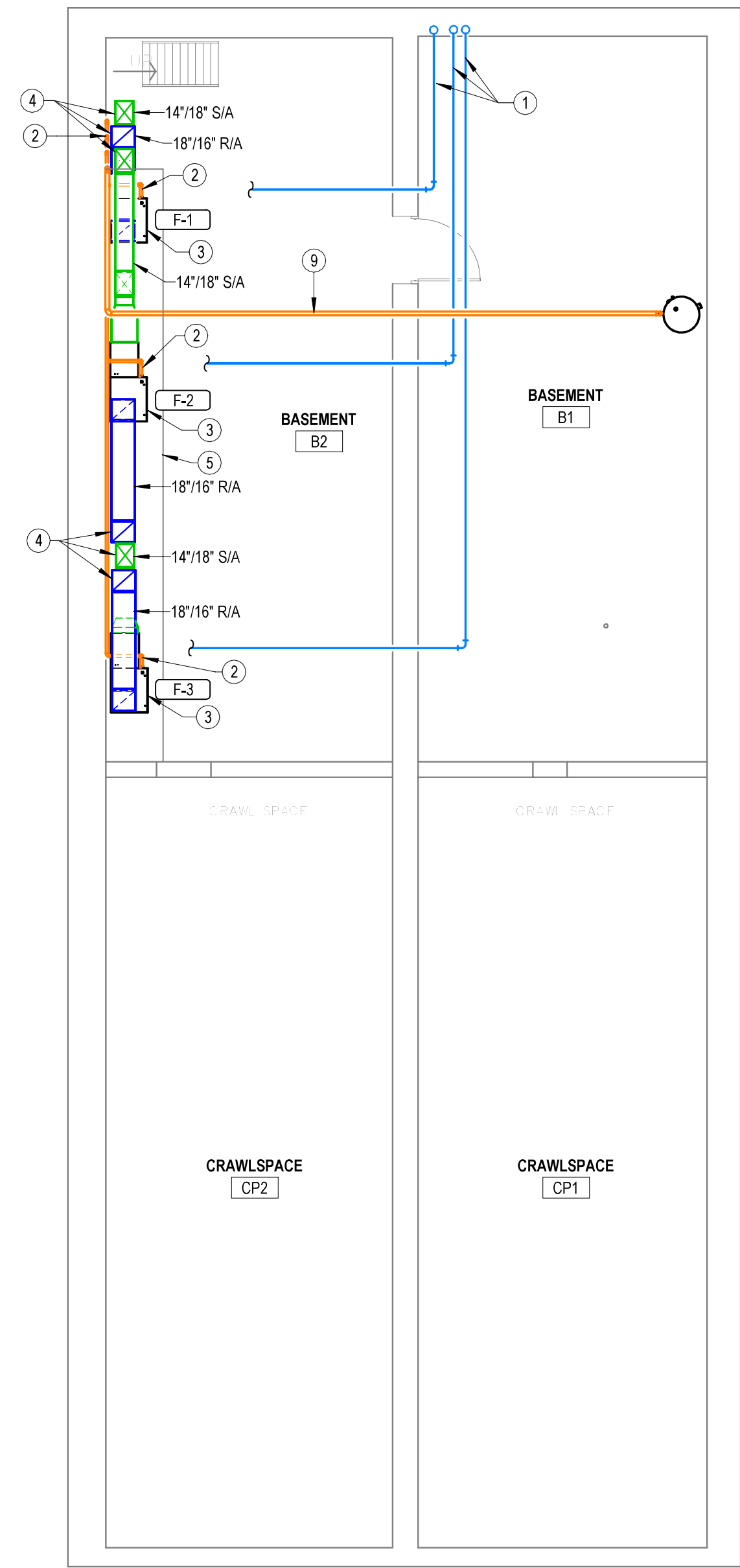
- GENERAL HVAC NOTES**
- CONTRACTOR SHALL LOCATE THERMOSTATS AND HUMIDISTATS AT 4'-0" AFF UNLESS NOTED OTHERWISE. MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF 8" FROM LIGHT SWITCHES.
  - CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER. WHERE INSTALLED ABOVE CEILING, CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH MINIMUM 1/2" FIBERGLASS PIPE INSULATION WITH ALL SERVICE JACKET.
  - ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE.
  - COORDINATE THE EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH LIGHTING.
  - PROVIDE DIFFUSERS AND REGISTERS WITH 4-WAY BLOW PATTERN UNLESS OTHERWISE NOTED.
  - HVAC EQUIPMENT SHALL NOT BE UTILIZED UNTIL ALL DUCT PRODUCING CONSTRUCTION ACTIVITY HAS BEEN COMPLETED. CONTRACTOR SHALL BE REQUIRED TO OBTAIN APPROVAL FROM OWNER PRIOR TO EQUIPMENT STARTUP, AND TO REPLACE FILTERS ON HVAC EQUIPMENT UPON FINAL COMPLETION.
  - LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
  - FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
  - LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
  - ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOFS WITHOUT A 42" HIGH PARAPET OR GUARD RAIL. WHERE PROVIDING 10'-0" SEPARATION FROM ROOF EDGE IS NOT POSSIBLE, PROVIDE PERMANENT FALL ARREST ANCHORS COMPLIANT WITH ANSI/ASSP Z359.1. COORDINATE WITH GENERAL CONTRACTOR.
  - LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT OUTSIDE OF THE NEC REQUIRED CLEAR SPACE ABOVE AND AROUND ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR.
  - PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE U.L. LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.
  - PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE. VISUAL INSPECTION OR HAND OPERATION, WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.
  - TRANSITION FROM PIPING AND DUCTWORK SIZES SHOWN TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.
  - PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
  - INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
  - INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILING.
  - PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT AND MATERIALS. SUBSTITUTE EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL SHALL BE SUBJECT TO REPLACEMENT AT CONTRACTOR'S EXPENSE.
  - CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
  - PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

- GENERAL MECHANICAL DEMOLITION NOTES**
- ALL PIPING TAKEN OUT OF SERVICE SHALL BE REMOVED. WHERE PIPING TO BE REMOVED IS CONNECTED TO EXISTING PIPING TO REMAIN, PIPING SHALL BE REMOVED BACK TO MAIN AND CAPPED, UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL DISPOSE OF PIPING OR DELIVER TO OWNER, AS DIRECTED BY OWNER.
  - WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB.
  - ALL DUCTWORK TAKEN OUT OF SERVICE SHALL BE REMOVED.
  - COORDINATE CUTTING PATCHINGS OF EXISTING WALLS, CEILING, ROOF AND FLOORS AFFECTED BY MECHANICAL DEMOLITION WITH G.C.
  - ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED OF AS DIRECTED BY OWNER.
  - REMOVE ALL MECHANICAL INSTALLATION FROM PROJECT AREA, UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C.
  - SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION.
  - NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED.
  - FIELD VERIFY EXACT LOCATION OF ALL EXISTING MECHANICAL INSTALLATION INDICATED ON DRAWINGS.
  - ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW CONDITION PRIOR TO RE-USE.

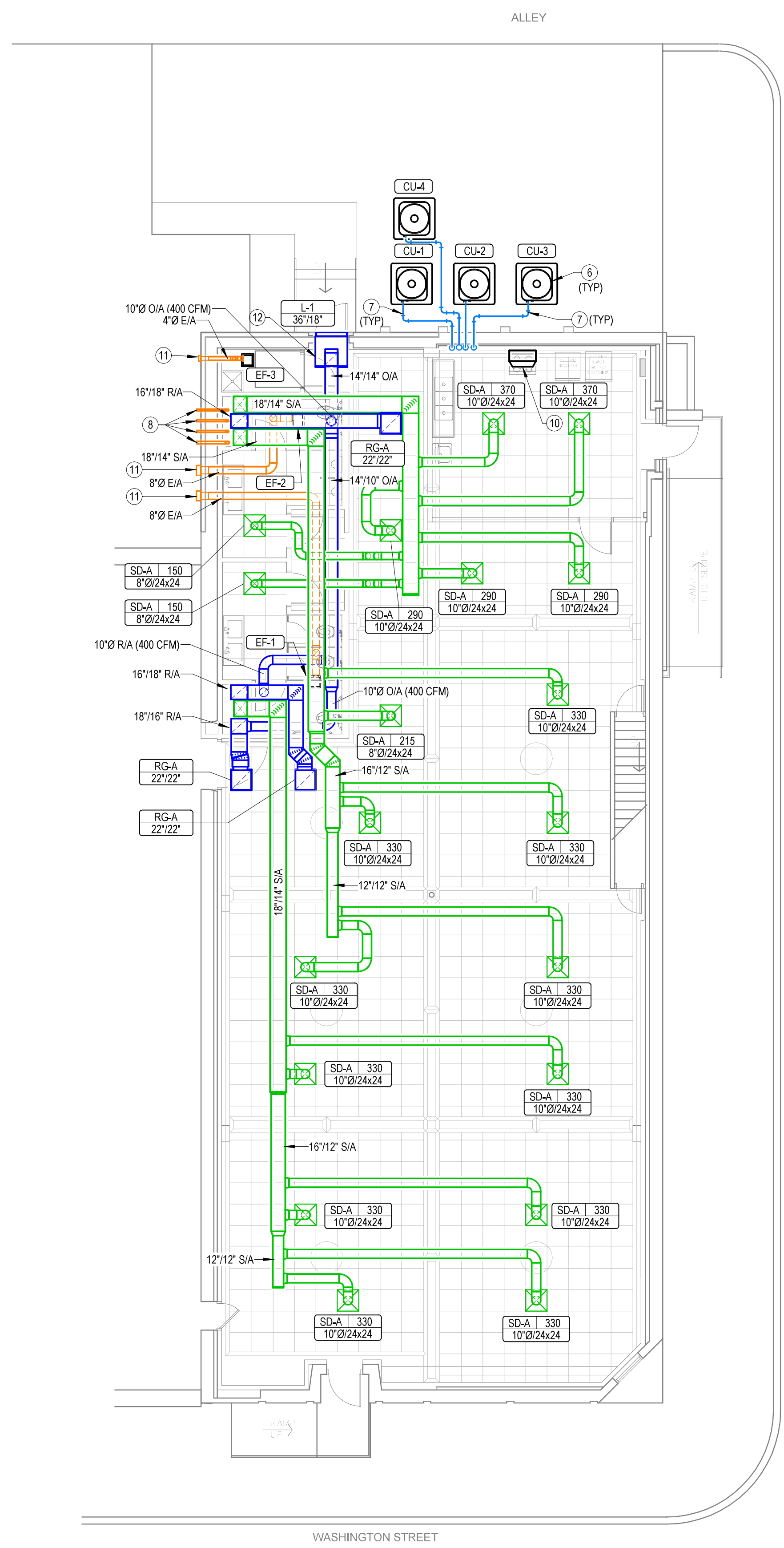
General Plan Symbols		HVAC Symbols	
	Plan Revision Number		Sq. Duct Size (Width/Height)
	Detail Number on Sheet Sheet Number Where Detail is Placed		Oval Duct Size (Width x Height)
	Keynote Symbol		Round Duct Size (Diameter)
	Continuation Symbol		Existing Duct To Remain
	Point Where New Connects To Existing		Duct To Be Demolished
	Room Name / Number		Supply Air
	Area Being Demolished		Ventilation Air
	Area Not In Contract		Outdoor Air
	Electrical Equipment. Do not route HVAC installation above or below equipment. Maintain working clearance as indicated by dashed line.		Return Air
			Transfer Air
			General Exhaust Air
			Kitchen Exhaust Duct
			Flue Gas Vent
			Combustion Air
			Rect. Supply Duct Rise / Drop
			Round Supply Duct Rise / Drop
			Rect. Return Duct Rise / Drop
			Round Return Duct Rise / Drop
			Rect. Exhaust Duct Rise / Drop
			Round Exhaust Duct Rise / Drop
			<b>Grille, Register, Diffusers</b>
			Square Ceiling Diffuser Type (See Schedule)
			Round Ceiling Diffuser Type (See Schedule)
			Sidewall Supply Grille Type (See Schedule)
			Linear Diffuser Type (See Schedule)
			Sidewall Return Grille Type (See Schedule)
			Ceiling Return Grille Type (See Schedule)
			<b>Mechanical Equipment</b>
			RTU-1 Unit Identity
			E/AHU Existing to Remain Equipment
			R/AHU Existing Relocated Equipment
			Equipment By Others (Refer To Other Disciplines)
			<b>Mechanical Control Devices</b>
			Thermostat
			Humidistat
			Temperature Sensor
			Humidity Sensor
			Carbon Dioxide Detector
			Hazardous Gas Detector
			<b>Damper Types</b>
			Manual Damper
			Motorized Damper
			Backdraft Damper
			Smoke Damper
			Fire Damper
			Comb. Fire/ Smoke Damper
			<b>Abbreviations</b>
Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MJ/A	MAKE-UP AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CG	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWIC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FOO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FDC	FIRE DEPARTMENT CONNECTION	RH	RELATIVE HUMIDITY
FL	FLOOR	R/LA	RELIEF AIR
FO	FUEL OIL	RM	ROOM
FOV	FUEL OIL VENT	RPM	REVOLUTIONS PER MINUTE
FOR	FUEL OIL RETURN	RW	RAIN WATER
FOS	FUEL OIL SUPPLY	SF	SQUARE FOOT
FPM	FEET PER MINUTE	S/A	SUPPLY AIR
FS	FLOOR SINK	SAN	SANITARY
FT	FOOT/FEET	SF	SQUARE FOOT
FTR	FIN TUBE RADIATION	SD	SMOKE DAMPER
GAL	GALLON	SM	SURFACE MOUNT
GF	GAS-FIRED	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HORSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VTR	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LBHR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT
			<b>Equipment Abbreviations</b>
AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DSP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DPC	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER
			<b>*NOTE*</b>
			ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

**NOTES BY SYMBOL**

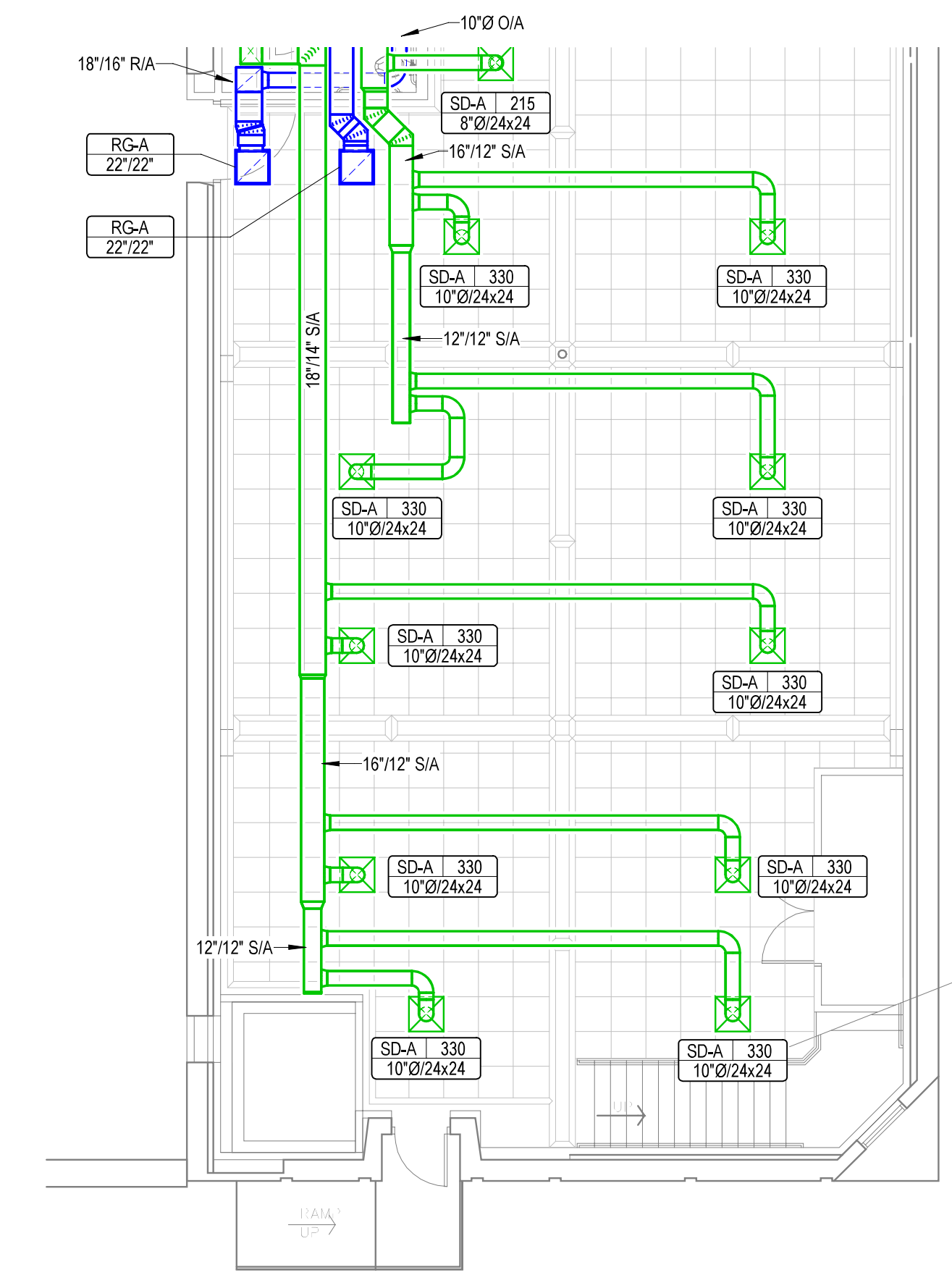
- 1 ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO MATCHING EVAPORATOR COIL.
- 2 PROVIDE PVC FURNACE INTAKE AND FLUE PIPING FROM EACH FURNACE AND ROUTE UP IN CHASE AT FIRST FLOOR.
- 3 ROUTE CONDENSATE FROM FURNACE AND EVAPORATOR COIL TO ABOVE NEAREST FLOOR DRAIN IN BASEMENT.
- 4 ROUTE SUPPLY AND RETURN DUCT UP THROUGH CHASE AT 1ST FLOOR. SEE 1ST FLOOR PLANS FOR CONTINUATION.
- 5 PROVIDE CONCRETE HOUSEKEEPING PAD BELOW FURNACES IN BASEMENT. COORDINATE REQUIREMENTS WITH ARCHITECT AND G.C.
- 6 MOUNT CONDENSING UNITS ON 3-1/2" THICK LEVEL CONCRETE PAD. COORDINATE WITH G.C.
- 7 ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO MATCHING EVAPORATOR COIL. CONCEAL IN WALLS AND ABOVE CEILINGS. PENETRATE EXTERIOR WALL AT 18" A.F.G. AND PROVIDE AIREX TITAN OUTLET PENETRATION SEAL.
- 8 ROUTE INTAKE AND FLUE PIPING TO CONCENTRIC VENT WALL TERMINATION.
- 9 PROVIDE PVC INTAKE AND VENT PIPING FROM WATER HEATER UP IN CHASE TO 1ST FLOOR.
- 10 PROVIDE RANGE HOOD EQUAL TO GREENHECK MODEL GRSS. STAINLESS STEEL CONSTRUCTION, FIRE SUPPRESSION SYSTEM FACTORY INSTALLED UTILIZING LOW PH AMEREX 660 WET CHEMICAL EXTINGUISHING AGENT, RECIRCULATING FAN WITH CHARCOAL FILTER, ETL LISTED, TESTED TO UL300A STANDARDS. UNIT SHALL INCLUDE ELECTRIC RANGE ELECTRIC DISCONNECT FOR AUTOMATIC SHUT-OFF OF ELECTRIC APPLIANCES AND SHALL BE ACTIVATED AT SUPPRESSION SYSTEM DISCHARGE. UNIT SHALL AUTOMATICALLY DISCONNECT RANGE ELEMENT ONCE PRE-SET TEMPERATURE IS REACHED. UNIT SHALL HAVE MULTIPLE ALARM CONTACTS (LOCAL, REMOTE, AND TROUBLE ALARMS) PRE INSTALLED AND AN AUDIBLE BUZZER. COORDINATE CONNECTION TO BUILDING FIRE ALARM SYSTEM WITH FIRE ALARM CONTRACTOR. PROVIDE WITH MANUAL PULL STATION KIT AND INTEGRAL LED LIGHTING. PROVIDE WITH REMOTE LCD TOUCH SCREEN USER INTERFACE FOR ADA COMPLIANCE. HOOD SHALL BE ICC ES PMG LISTED AND INSTALLED IN ACCORDANCE WITH CONDITIONS OF LISTING. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH OWNER AND EXISTING EQUIPMENT.
- 11 ROUTE EXHAUST DUCT TO WALL CAP.
- 12 SLOPE DUCT WITHIN 5' OF LOUVER TOWARDS EXTERIOR.



**1 BASEMENT-HVAC FLOOR PLAN**  
 1/8" = 1'-0"



**2 FIRST FLOOR-HVAC FLOOR PLAN**  
 1/8" = 1'-0"



**3 PARTIAL-FIRST FLOOR-HVAC FLOOR PLAN-ALTERNATE #1**  
 1/8" = 1'-0"

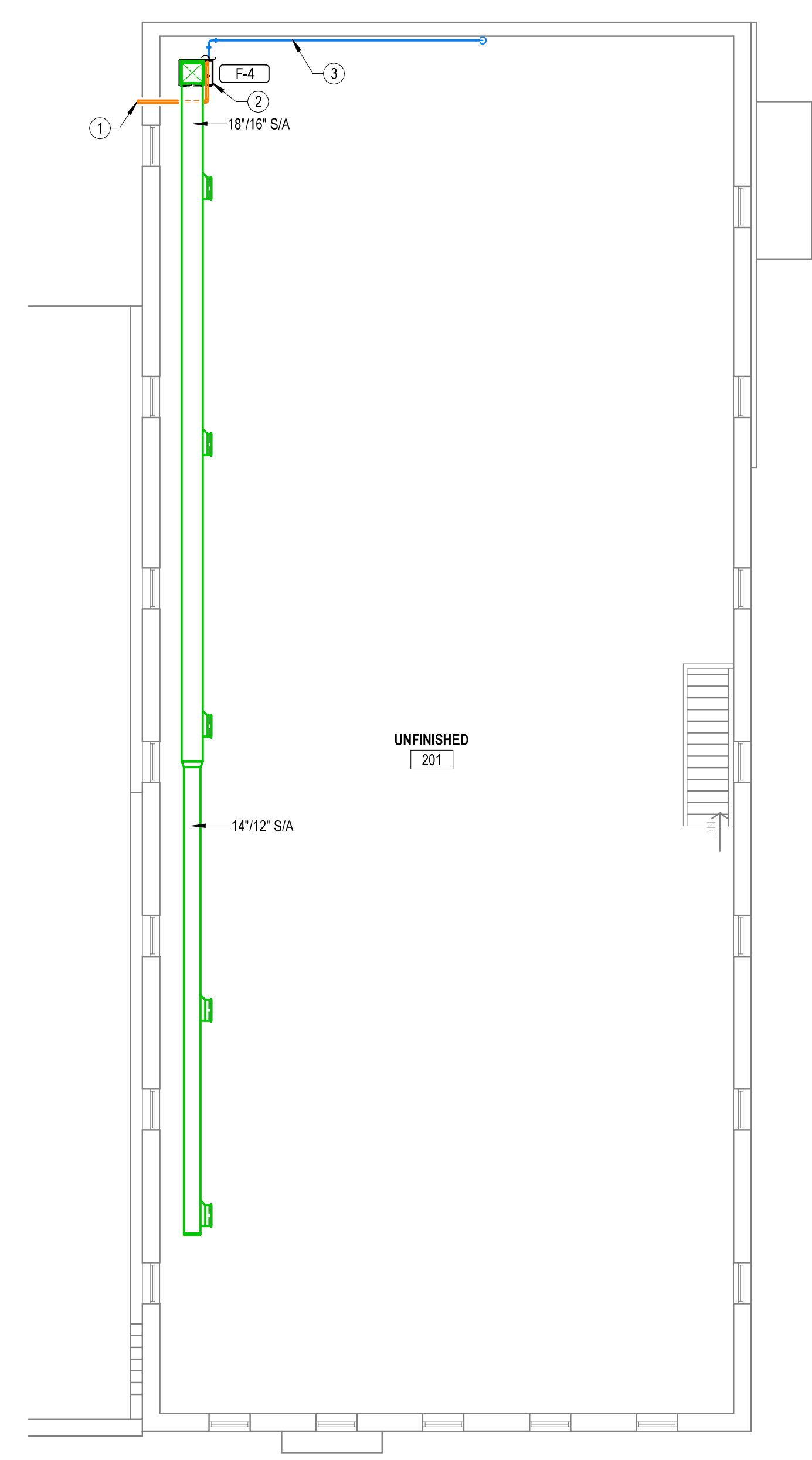
- NOTES BY SYMBOL**
- 1 ROUTE INTAKE AND FLUE PIPING TO CONCENTRIC VENT WALL TERMINATION.
  - 2 ROUTE CONDENSATE FROM FURNACE AND EVAPORATOR COIL DOWN TO ABOVE SERVICE SINK AT FLOOR BELOW.
  - 3 ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO MATCHING EVAPORATOR COIL.

**CLYDE COMMUNITY HALL**

RENOVATION

KANSAS

CLYDE,



**1 SECOND FLOOR-HVAC FLOOR PLAN**  
 1/8" = 1'-0"



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 REVISIONS:

DATE: 4-16-2026  
 JOB: 25-3508  
 SHEET NO.:

**M1.2**

**BUILD AMERICA, BUY AMERICA (BABA) COMPLIANCE NOTE:**

This project is subject to the requirements of the Build America, Buy America Act (BABA). All materials, products, equipment, and fixtures incorporated into the Work shall comply with applicable BABA requirements unless specifically exempted by the Owner or applicable funding agency.

Equipment, fixtures, and materials identified in schedules or on drawings are provided for basis of design and to establish required performance, capacity, and quality standards only. Scheduled items may or may not be BABA compliant.

It shall be the Contractor's responsibility to coordinate with manufacturers and suppliers to verify and document that all products furnished and installed comply with BABA requirements. Where scheduled equipment or specified products are not BABA compliant, the Contractor shall provide compliant equipment or fixtures meeting or exceeding the specified performance, capacity, efficiency, dimensional, and functional requirements.

Substitutions required for BABA compliance shall be submitted in accordance with the Contract Documents for review prior to procurement.

**CONDENSING UNIT SCHEDULE**

**NOTES:**  
 1. REFRIGERANT LINES SHALL BE FIELD FABRICATED. COORDINATE LINE SIZING REQUIREMENTS WITH EQUIPMENT MANUFACTURER FOR LENGTH.  
 2. PROVIDE WITH R454B REFRIGERANT.  
 3. INSTALL REFRIGERANT PIPING IN ACCORDANCE TO ASHRAE STANDARD 15.

MARK	MANUFACTURER	MODEL	NOMINAL CAPACITY	COOLING					ELECTRICAL			
				EDB	EDB	EWB	SENSIBLE	TOTAL	PHASE	MCA	MOCIP	VOLTAGE
CU-1	TRANE	STTR4060A1000	5.0 ton	100 °F	80 °F	67 °F	42,105 Btu/h	55,688 Btu/h	1	30.0 A	50.0 A	208 V
CU-2	TRANE	STTR4060A1000	5.0 ton	100 °F	80 °F	67 °F	42,105 Btu/h	55,688 Btu/h	1	30.0 A	50.0 A	208 V
CU-3	TRANE	STTR4060A1000	5.0 ton	100 °F	80 °F	67 °F	42,105 Btu/h	55,688 Btu/h	1	30.0 A	50.0 A	208 V
CU-4	TRANE	STTR4060A1000	5.0 ton	100 °F	80 °F	67 °F	42,105 Btu/h	55,688 Btu/h	1	30.0 A	50.0 A	208 V

**FURNACE SCHEDULE**

**NOTES:**  
 1. PROVIDE REFRIGERANT PIPING SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR ACTUAL FIELD INSTALLED LENGTH AND ROUTING.  
 2. PROVIDE PVC INTAKE AND EXHAUST PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE WITH MANUFACTURER'S CONCENTRIC VENT TERMINATION.  
 3. PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT.  
 4. PROVIDED WITH CASED A COIL EVAPORATOR COIL.  
 5. PROVIDE WITH DRAIN PAN.

Mark	Manufacturer	Model	Airflow	ESP	Cooling Coil Capacity		Natural Gas Heating		Motor HP	Voltage	MOCIP
					Sensible	Total	Input	Output			
F-1	TRANE	SSX2C120USPSBA	1,950 CFM	0.70 in-wg	40,238 Btu/h	54,931 Btu/h	120,000 Btu/h	116,400 Btu/h	1.00 hp	120 V	15.0 A
F-2	TRANE	SSX2C120USPSBA	1,950 CFM	0.70 in-wg	40,238 Btu/h	54,931 Btu/h	120,000 Btu/h	116,400 Btu/h	1.00 hp	120 V	15.0 A
F-3	TRANE	SSX2C120USPSBA	1,950 CFM	0.70 in-wg	40,238 Btu/h	54,931 Btu/h	120,000 Btu/h	116,400 Btu/h	1.00 hp	120 V	15.0 A
F-4	TRANE	SSX2C120USPSBA	1,950 CFM	0.70 in-wg	40,238 Btu/h	54,931 Btu/h	120,000 Btu/h	116,400 Btu/h	1.00 hp	120 V	15.0 A

**GRILLES, REGISTERS, & DIFFUSERS SCHEDULE**

**GENERAL:**  
 1. PROVIDE MOUNTING FRAME AS REQUIRED FOR CEILING TYPE.  
 2. MAXIMUM NC SHALL BE 25.  
 3. RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS NECK, U.N.O.  
 4. PAINT OBJECTS VISIBLE THROUGH GRILLES WITH FLAT BLACK PAINT.  
 5. COORDINATE LOCATIONS OF ALL WALL DEVICES WITH ARCHITECT.

MARK	MANUFACTURER	MODEL	APPLICATION			MOUNTING	DAMPER	DESCRIPTION
			SUPPLY	RETURN	EXHAUST			
RG-A	Titus	50F		■		Lay-In Panel Frame	No	EGGCRATE RETURN GRILLE, SIZE AS INDICATED ON PLANS
SD-A	Titus	TMS	■			Lay-In Full Face	No	STEEL LOUVERED 4-WAY SUPPLY DIFFUSER, NECK SIZE AS INDICATED ON PLANS
SG11	Titus	300R				Surface Mount	Yes	

**EXHAUST FAN SCHEDULE**

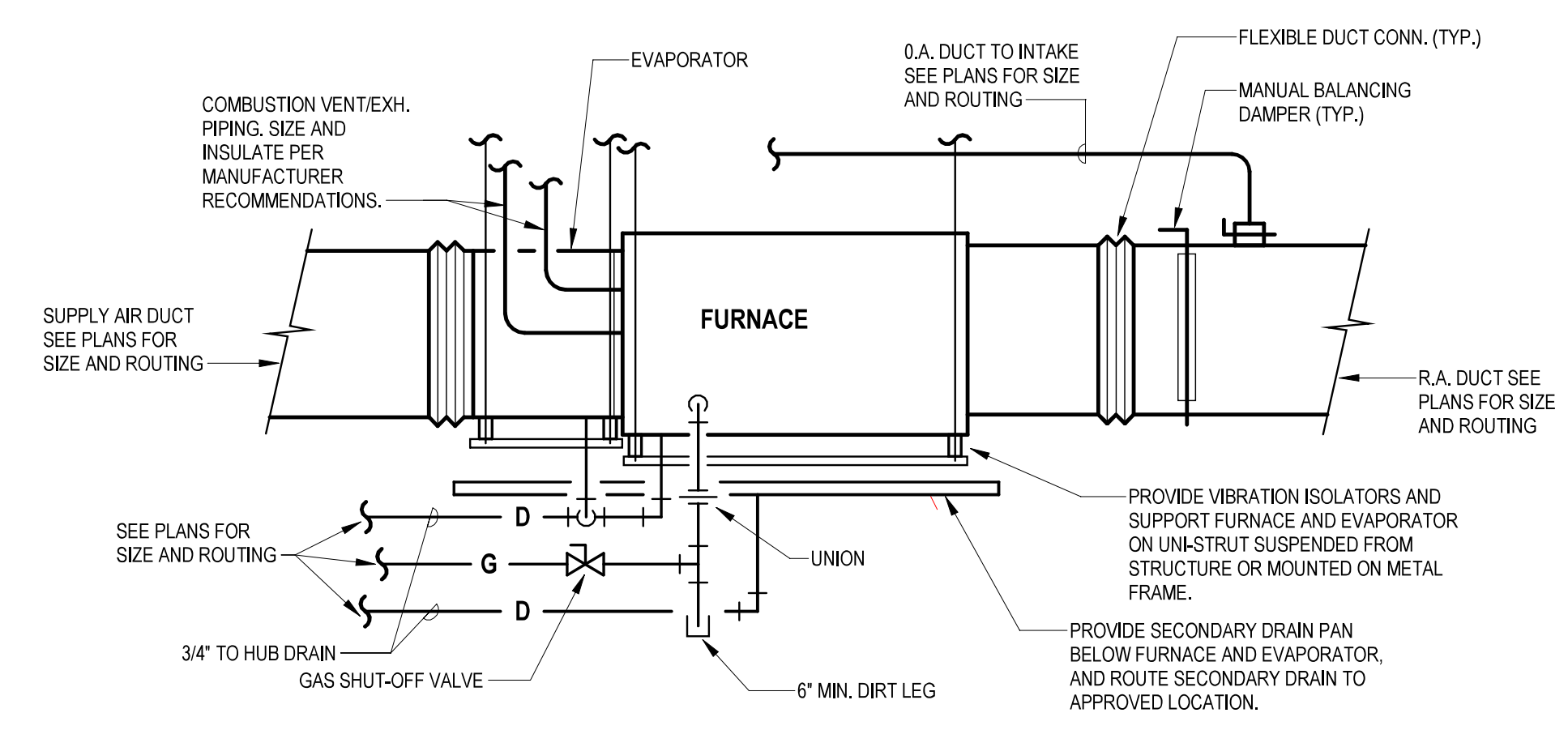
**NOTES:**  
 1. PROVIDE MANUFACTURER'S ROOF JACK.  
 2. FIXTURE SHALL OPERATE AT < 1 SONE.  
 3. PROVIDE EC MOTOR WITH INTEGRAL DISCONNECT.  
 4. PROVIDE INTEGRAL BACKDRAFT DAMPER.

MARK	MANUFACTURER	MODEL	CFM	ESP	POWER	ELECTRICAL	
						VOLTAGE	PHASE
EF-2	GREENHECK	SP-A200-390	210 CFM	0.25 in-wg	67 W	120 V	1
EF-1	GREENHECK	SP-A200-390	210 CFM	0.25 in-wg	67 W	120 V	1
EF-3	Greenheck	SP-AP0511W-1	50 CFM	0.25 in-wg	67 W	120 V	1

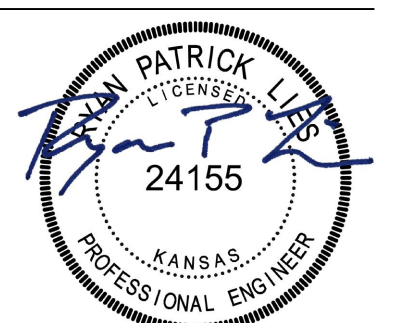
**LOUVER SCHEDULE**

**NOTES:** COORDINATE FRAME TYPE AND MOUNTING REQUIREMENTS WITH ARCH. AND G.C.

MARK	MANUFACTURER	MODEL	DESCRIPTION	FINISH	SCREEN	DEPTH	WIDTH	HEIGHT	FREE AREA
L-1	GREENHECK	ESD-435	EXTRUDED ALUMINUM DRAINABLE BLADE LOUVER	KYNAR	INSECT	4"	3'-0"	1'-6"	2.97 SF



**1 HORIZONTAL FURNACE DETAIL**  
NO SCALE



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Electrical Abbreviations	
1P	1 Pole (2P, 3P, 4P, ETC.)
A, Amp	Ampere
AC	Above Counter
ACLG	Above Ceiling
ADO	Automatic Door Opener
AF	Amp Frame
AFF	Above Finished Floor
AFG	Above Finished Grade
AFI	Arc Fault Circuit Interrupter
AHU	Air Handling Unit
AL	Aluminum
ALT	Alternate
AMP	Ampere
AMPL	Amplifier
ANNUN	Annunciator
APPROX	Approximately
AQ-STAT	Aquastat
ARCH	Architect, Architectural
AS	Amp Switch
AT	Amp Trip
ATS	Automatic Transfer Switch
AUTO	Automatic
AUX	Auxiliary
AV	Audio Visual
AWG	American Wire Gauge
BATT	Battery
BD	Board
BLDG	Building
BMS	Building Management System
C	Conduit
CAB	Cabinet
CAT	Catalog
CATV	Cable Television
CB	Circuit Breaker
CCTV	Closed Circuit Television
CKT	Circuit
CLG	Ceiling
COMB	Combination
COMP	Compressor
CONN	Connection
CONST	Construction
CONT	Continuation Or Continuous
CONTR	Contractor
CONV	Converter
CP	Circulating Pump
CRT	Cathode-Ray Tube
CT	Current Transformer
CTR	Center
CJ	Copper
DCP	Domestic Water Circulating Pump
DEPT	Department
DET	Detail
DIA	Diameter
DISC	Disconnect
DIST	Distribution
DN	Down
DPR	Damper
DS	Safety Disconnect Switch
DT	Double Throw
DWG	Drawing
EC	Electrical Contractor
ELEC	Electric, Electrical
ELEV	Elevator
ELU	Emergency Lighting Unit
EM	Emergency
EMS	Energy Management System
EMT	Electrical Metallic Tubing
EP	Electric Pneumatic
EQUIP	Equipment
EWC	Electric Water Cooler
EXIST	Existing
EXH	Exhaust
EXP	Explosion Proof
FA	Fire Alarm
FABP	Fire Alarm Booster Power Supply Panel
FACP	Fire Alarm Control Panel
FCU	Fan Coil Unit
FKT	Fixture
FLR	Floor
FLUOR	Fluorescent
FU	Fuse
FUS	Fused Safety Disconnect Switch
GA	Gauge
GAL	Gallon
GALV	Galvanized
GC	General Contractor
GEN	Generator
GFI	Ground Fault Circuit Interrupter
GFP	Ground Fault Protector
GND	Ground
GRS	Galvanized Rigid Steel (Conduit)
GYP BD	Gypsum Board
HCA	Hands-Off-Automatic Switch
HORIZ	Horizontal
HP	Horsepower
HPF	High Power Factor
HT	Height
HTG	Heating
HTR	Heater
HV	High Voltage
HVAC	Heating, Ventilating And Air Conditioning
IC	Interrupting Capacity
IG	Isolated Ground
IMC	Intermediate Metal Conduit
INCAND	Incandescent
IR	Infrared
IW	Interlock With
J-BOX	Junction Box
KV	Kilovolt
KVA	Kilovolt-Ampere
KVAR	Kilovolt-Ampere Reactive
KW	Kilowatt
KWH	Kilowatt Hour
LOC	Locate Or Location
LT	Light
LTG	Lighting
LING	Lightning
LV	Low Voltage
MAX	Maximum
MAGS	Magnetic Starter
MC	Momentary Contact
MC	Mechanical Contractor
MCB	Main Circuit Breaker
MCC	Motor Control Center
MDC	Main Distribution Center
MDP	Main Distribution Panel
MFR	Manufacturer
MFD	Main Fused Disconnect Switch
MH	Manhole
MC	Microphone
MIN	Minimum
MISC	Miscellaneous
MLO	Main Lugs Only
MMS	Manual Motor Starter
MCA	Multioutlet Assembly
MSP	Motor Starter Panelboard
MSBD	Main Switchboard
MSS	Motor Starter Switch
MT	Mount
MT.C	Empty Conduit
MTS	Manual Transfer Switch
MTR	Motor, Motorized
N.C.	Normally Closed
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association
NFDS	Non-Fused Safety Disconnect Switch
NIC	Not In Contract
NL	Night Light
N.O.	Normally Open
NPF	Normal Power Factor
NTS	Not To Scale
OC	On Center
OH	Overhead
OVER	Overhead
PA	Public Address
PB	Pull Box Or Pushbutton
PE	Pneumatic Electric
PED	Pedestal
PF	Power Factor
PH	Phase
PV	Post Indicating Valve
PNL	Panel
PP	Power Pole
PR	Pair
PR	Primary
PRJ	Projection
PRV	Power Roof Ventilator
PT	Potential Transformer
PVC	Polyvinyl Chloride (Conduit)
PWR	Power
QUAN	Quantity
RCPT	Receptacle
REQD	Required
RM	Room
RSC	Rigid Steel Conduit
RTU	Roof Top Unit
SEC	Secondary
SHT	Sheet
SIM	Similar
SLD	Single-Line Diagram
SN	Solid Neutral
SPEC	Specification
SPKR	Speaker
SP	Spare
SPP	Single-Point Power
SR	Surface Raceway
SS	Stainless Steel
SSW	Selector Switch
S/S	Stop/Start Pushbuttons
STA	Standard
STD	Standard
SURF	Surface Mounted
SW	Switch
SWBD	Switchboard
SYS	Symmetrical
SYS	System
TEL	Telephone
TERM	Terminal
TL	Twist Lock
TR	Tamper Resistant
T-STAT	Thermostat
TTC	Telephone Terminal Cabinet
TV	Television
TVTC	Television Terminal Cabinet
TYP	Typical
UC	Under Counter
UE	Underground Electrical
UG	Underground
UH	Unit Heater
UT	Underground Telephone
UTIL	Utility
UV	Ultraviolet
V	Volt
VA	Volt-Ampere
VDT	Video Display Terminal
VERT	Vertical
VFD	Variable Frequency Drive
VOL	Volume
W	Watt
WI	With
WG	Wire Guard
WH	Water Heater
WO	Without
WP	Weatherproof
XFMR	Transformer
XFR	Transfer
<	Angle
▲	Delta
▲	Feet
"	Inches
#	Number
Ø	Phase
C	Center Line
P	Plate

### Electrical Symbol Legend

#### Lighting Symbols

Lighting Fixtures, Typical, Rectangular (Various Symbols)

Lighting Fixtures, Typical, Round (Various Symbols)  
 Center dot indicates pendant, Chevron indicates wall wash.

Strip Fixture

Directional Light, Track Light, Flood Light

Linear Light, Tape Light

Emergency Lighting Unit, Ceiling-Mounted, Integral Battery

Emergency Lighting Unit, Ceiling-Mounted, Remote Battery

Emergency Lighting Unit, Wall-Mounted, Integral Battery

Emergency Lighting Unit, Wall-Mounted, Remote Battery

Exit Light, Ceiling-Mounted. Shading and arrows indicate faces and directional chevrons.

Exit Light, Wall-Mounted. Shading and arrows indicate faces and directional chevrons.

Exit/ELU Combo

Pole/Area Lights

Post-Top Area Light

Ballard Light

Hatch indicates light on an emergency or life safety circuit.

Single-Pole Switch

Two-Pole Switch

Three-Pole Switch

Switch Modifiers:  
 3: 3-Way OS: Occupancy Sensor  
 4: 4-Way VS: Vacancy Sensor  
 K: Keyed CT: Above-Counter  
 D: Dimming LV: Low-Voltage  
 T: Timer M: Motor-Rated

Lighting Contactor

Lighting Control Panel

Occupancy Sensor

Daylight Harvesting Sensor

#### Lighting Tags

Top Value: Fixture Type ID (Underlined)

Bottom Value, Lowercase Letter: Switch ID

Bottom Value, Number(s): Circuit Number

Bottom Value, Uppercase Letter(s): Panel

Absence of a switch designation on a lighting fixture indicates fixture is controlled by the only switch in the space. An "x" in place of the switch designation indicates unswitched.

Switch ID indicated by a lowercase letter. Switch IDs are unique per space. A switch with an ID "a" controls all devices within the space in which it is located tagged with "a". A switch without a tagged ID controls all lighting fixtures within a space. ID tags may be used on control devices other than switches, such as occupancy sensors or contactors.

#### Miscellaneous

Area Not in Contract

Note by Symbol

Callout:  
 Top Value: Detail Number on Sheet  
 Bottom Value: Sheet Number of Detail

Room  
 2 Room Name and Number

#### Power Symbols

Wall

Ceiling

Floor

Simplex Receptacle

Duplex Receptacle

Quadplex Receptacle

Special Receptacle, Type as Indicated

Receptacle Modifiers:  
 ##: Height AFF (to center)  
 CT: Device Mounted Above Counter Top  
 IG: Isolated Ground  
 H: Device Mounted Horizontally  
 WP: Weatherproof In-Use Cover

Hall shading indicates split (typically switched)

Outside shading indicates tamperproof device

Center shading indicates GFI type

Full shading indicates tamperproof GFI type

Multioutlet Assembly

Filled squares indicate 120V outlet

Open squares indicate with USB

Cord Reel, Device Varies

Drop Cord, Device Varies

Junction Box

Floor Box, see schedule for type

Emergency Power Off

Door Opener Push Plate

Power Meter

Safety Switch, Fused

Safety Switch, Unfused

Motor Starter

Combination Starter/Disconnect

Contact

#### Power Device and Equipment Tags

Electrical Device Tags: Uppercase letter(s) indicates Panel ID and circuit number. Lowercase letter indicates designation of controlling switch (where applicable).

Equipment Tags: Equipment ID is indicated by an underlined tag adjacent to the equipment. See the equipment connection schedule for description, electrical requirements, and panel and circuit number. Symbol/graphic appearance of equipment varies.

Wiring

Solid, arced lines connecting equipment, devices, or fixtures indicate unswitched power circuiting. Wires are only intended to indicate to what circuit devices are connected. Actual connections, circuit routing, installation, junction boxes, etc. shall be field-determined by the contractor.

Dashed, arced lines connecting equipment, devices, or fixtures indicate switched power.

Home run to branch circuit panelboard. The equipment name and circuit number(s) are indicated, separated by a hyphen. Home runs are only intended to indicate panel and circuit number. Actual homerun location shall be field-determined by the contractor.

#### Power Distribution Equipment

Hatched fill indicates distribution panel or switchboard. Solid fill indicates branch panel or load center. Dashed box indicates code-required clearance (width and depth). Door indicates front of recessed panel.

Devices and fixtures are tagged with Panel and circuit number. For example, a device tagged with "A:1" indicates the device is circuit to panel designated "A", circuit number 1.

Transformer: Typically transformer names begin with or contain the letter "T". See Single-Line Diagram for description and requirements.

#### Telecom Symbols

Wall

Ceiling

Floor

Data Outlet

Telephone Outlet

Data/Telephone Outlet

Outlet Modifiers:  
 ##: Height AFF (to center)  
 CT: Mounted Above Counter Top

Wireless Access Point

TV Outlet

#### GENERAL ELECTRICAL NOTES

A. COORDINATE INSTALLATION OF ELECTRICAL WORK ABOVE THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF LIGHTING AND MECHANICAL INSTALLATION. CONDUITS SHALL BE ROUTED THROUGH JOIST WEBS WHERE POSSIBLE.

B. VERIFY EXACT PLACEMENT OF ALL LUMINAIRES, DEVICES, AND EQUIPMENT SHOWN ON THE ELECTRICAL CONSTRUCTION DOCUMENTS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS PRIOR TO FINAL PLACEMENT.

C. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE "LISTED" AND "IDENTIFIED" AS RATED FOR A MINIMUM OF 75°C CONDUCTOR TERMINATION.

D. DEFINITION OF TERMS  
 "SHALL": ACTION THAT IS REQUIRED WITHOUT OPTION OR QUALIFICATION.  
 "FURNISH": CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING.  
 "INSTALL": CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND CONSTRUCTION EQUIPMENT NECESSARY TO SET IN PLACE, CONNECT, CALIBRATE AND TEST EQUIPMENT FURNISHED BY HIM OR OTHERS.  
 "PROVIDE": CONTRACTOR SHALL FURNISH AND INSTALL.

#### MOUNTING HEIGHT REQUIREMENTS:

UNLESS SPECIFICALLY INDICATED OTHERWISE, THE FOLLOWING MOUNTING HEIGHTS SHALL APPLY:

- RECEPTACLES 16" TO BOTTOM
- TELECOMMUNICATIONS OUTLETS 16" TO BOTTOM
- LIGHT SWITCHES 48" TO TOP
- THERMOSTATS 48" TO TOP
- HUMIDISTATS 48" TO TOP
- FIRE ALARM PULL STATIONS 48" TO TOP
- FIRE ALARM NOTIFICATION DEVICES LOWER OF: 88" TO BOTTOM OR TOP AT 6" BELOW CEILING

#### GENERAL LIGHTING NOTES

A. THE CIRCUITING OF ALL LUMINAIRES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT.

B. CIRCUIT ALL EMERGENCY LIGHTS, NIGHT LIGHTS AND EXIT LIGHTS TO AN UNSWITCHED HOT CONDUCTOR, UPSTREAM OF ALL CONTROLS.

C. DIRECT CURRENT POWER WIRING FROM EXIT SIGNS TO REMOTE EXTERIOR EMERGENCY LIGHTING HEADS SHALL BE (2) #10 IN 1/2" CONDUIT UNLESS NOTED OTHERWISE.

D. IN AREAS WHERE CEILING MOUNTED OCCUPANCY SENSORS ARE USED FOR LIGHTING CONTROL IN CONJUNCTION WITH WALL SWITCHES, OCCUPANCY SENSOR/POWER PACK SHALL SWITCH LEG SHALL BE WIRED IN SERIES WITH WALL SWITCHES TO PROVIDE OVERRIDE "OFF" CONTROL FOR LIGHTS.

E. CONTROL WIRING FOR 0-10 Vdc DIMMING SIGNAL CIRCUITS SHALL BE NEC CLASS 1, ROUTED IN SAME RACEWAY/CABLE WITH LIGHTING CONDUCTORS. WIRING SHALL CONSIST OF (2) #16 SOLID CU THHN OR TFN CONDUCTORS. CONDUCTOR INSULATION COLOR SHALL BE VIOLET (+ V-dc) AND PINK (- V-dc). WHERE MC-CABLE IS USED FOR FINAL 6" POWER CONNECTION WHP TO LUMINAIRE, UTILIZE "LUMINARY" TYPE MC-CABLE WITH INTEGRAL CLASS 1 CONTROL WIRING.

#### GENERAL POWER NOTES

A. THE CIRCUITING OF ALL DEVICES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT.

B. VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT WITH THE GENERAL CONTRACTOR AND ASSOCIATED SUBCONTRACTORS. COORDINATE CONDUIT STUB-UP AND POWER CONNECTIONS PRIOR TO COMMENCING ROUGH-IN WORK. ELECTRICAL DEVICES (DISCONNECTS, RECEPTACLES, ETC.) INSTALLED ON EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. FIELD COORDINATE EXACT DEVICE MOUNTING LOCATIONS PRIOR TO INSTALLATION.

C. WALL MOUNTED HVAC CONTROL DEVICES (THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, CO<sub>2</sub> SENSORS, ETC) SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. UNLESS NOTED OTHERWISE, ELECTRICAL CONTRACTOR SHALL PROVIDE SINGLE GANG WALL BOX WITH 1/2" CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND PULLSTRING IN RACEWAY. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF DEVICES.

#### GENERAL TELECOMMUNICATIONS NOTES

A. PROVIDE THE FOLLOWING RACEWAY ROUGH-IN FOR TELECOMMUNICATIONS OUTLET TYPES INDICATED:  
 - WALL PHONE OUTLET: 2"x4"x2-1/8" DEEP DEVICE BOX WITH (1) 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.  
 - PHONE/DATA OUTLET: 4-1/16" SQUARE x 3-1/4" DEEP BOX (RACO #260 OR EQUIV) WITH 1-GANG DEVICE RING AND 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.  
 - TV OUTLET: 4-1/16" SQUARE x 3-1/4" DEEP BOX (RACO #260 OR EQUIV) WITH 2-GANG DEVICE RING AND (1) 2" CONDUIT TO ABOVE ACCESSIBLE CEILING.

B. PROVIDE NYLON BUSHINGS FOR ALL CONDUIT ENDS NOT CONNECTED TO A BOX OR FITTING TO PROTECT CABLEING FROM DAMAGE.

C. CONDUITS FROM EACH OUTLET SHALL BE STUBBED 2" ABOVE THE FINISHED CEILING IN AREAS WITH ACCESSIBLE TILES. IN AREAS WITH OPEN CEILINGS, STUB CONDUIT INTO STRUCTURAL JOIST SPACE.

D. PROVIDE BLANK STAINLESS STEEL COVER PLATES FOR ALL OUTLETS NOT ACTIVATED BY OWNER.

E. PROVIDE SUITABLE PULL STRING IN ALL CONDUITS.

F. ALL TELECOMMUNICATIONS AND AV CABLEING, JACKS, CONNECTORS, TERMINATIONS, EQUIPMENT AND TESTING SHALL BE PROVIDED BY OWNER.

#### GENERAL FIRE ALARM NOTES

A. FIRE ALARM CABLEING SHALL BE INSTALLED IN CONDUIT WHERE EXPOSED, INACCESSIBLE, AND WHERE SUBJECT TO PHYSICAL DAMAGE.

B. DUCT TYPE SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY FIRE ALARM CONTRACTOR. INSTALLED IN DUCT BY MECHANICAL CONTRACTOR.

C. FIRE ALARM SYSTEM HVAC SHUT DOWN RELAYS SHALL BE PROVIDED AND WIRED TO FIRE ALARM CONTROL PANEL BY FIRE ALARM CONTRACTOR. LOCATE RELAYS WITHIN 5' OF HVAC EQUIPMENT AND PROVIDE CONDUIT WITH PULL STRING FROM RELAY TO EQUIPMENT. UNIT SHUT DOWN CONTROL WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.

D. AT LOCATION OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS, PROVIDE DUCT OR AREA SMOKE DETECTOR (AS SHOWN ON PLANS) WITHIN 5' OF DAMPER AND WIRE TO FIRE ALARM CONTROL PANEL. PROVIDE FIRE ALARM RELAY FOR CONTROL OF 120V POWER TO DAMPER ACTUATOR. DAMPER SHALL CLOSE UPON DETECTION OF SMOKE.

E. IN ADDITION TO VALVES INSTALLED ON FIRE SPRINKLER SYSTEM RISER, ALL VALVES INSTALLED OUTSIDE THE BUILDING (POST INDICATOR VALVE, TAPPING SLEEVE VALVE, ETC.) SHALL BE SUPERVISED BY THE FIRE ALARM SYSTEM. PROVIDE ADDRESSABLE MONITORING MODULE AND SURGE PROTECTION DEVICE (DTEK #ETK-2M) FOR EACH MONITORED VALVE. COORDINATE WITH GC AND SITE WORK CONTRACTOR FOR ALL VALVES INSTALLED. MONITORING IS NOT REQUIRED FOR VALVES INSTALLED IN ROADWAY BOXES BY THE MUNICIPALITY/PUBLIC UTILITY.

#### Electrical Sheet List

E0.1	ELECTRICAL TITLE SHEET
E1.1	BASEMENT AND FIRST FLOOR LIGHTING PLAN
E1.2	SECOND FLOOR LIGHTING PLAN
E2.1	BASEMENT AND FIRST FLOOR POWER PLAN
E2.2	SECOND FLOOR POWER PLAN
E6.1	ELECTRICAL SCHEDULES AND DETAILS
E6.2	ELECTRICAL RISER DIAGRAMS AND DETAILS

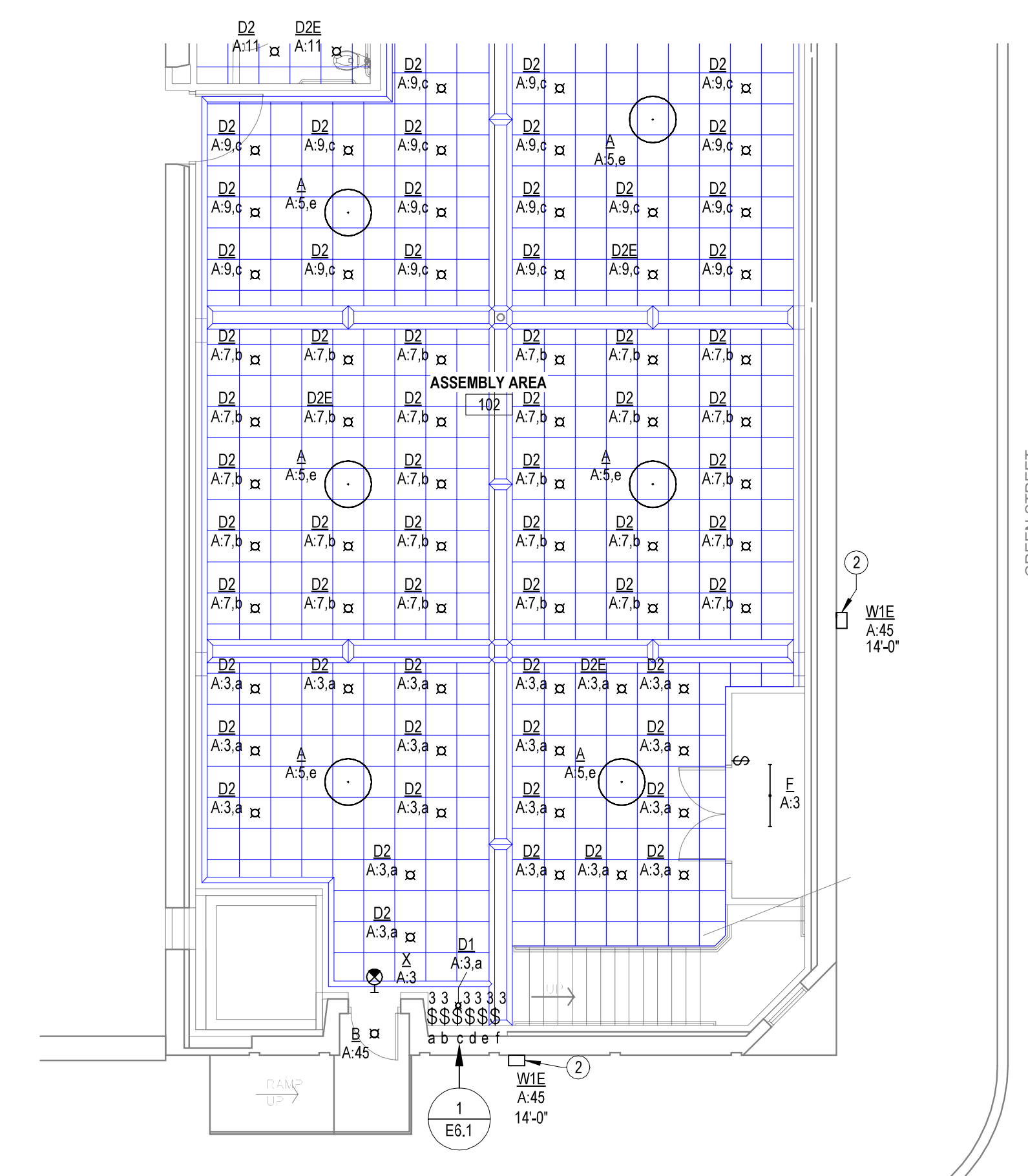
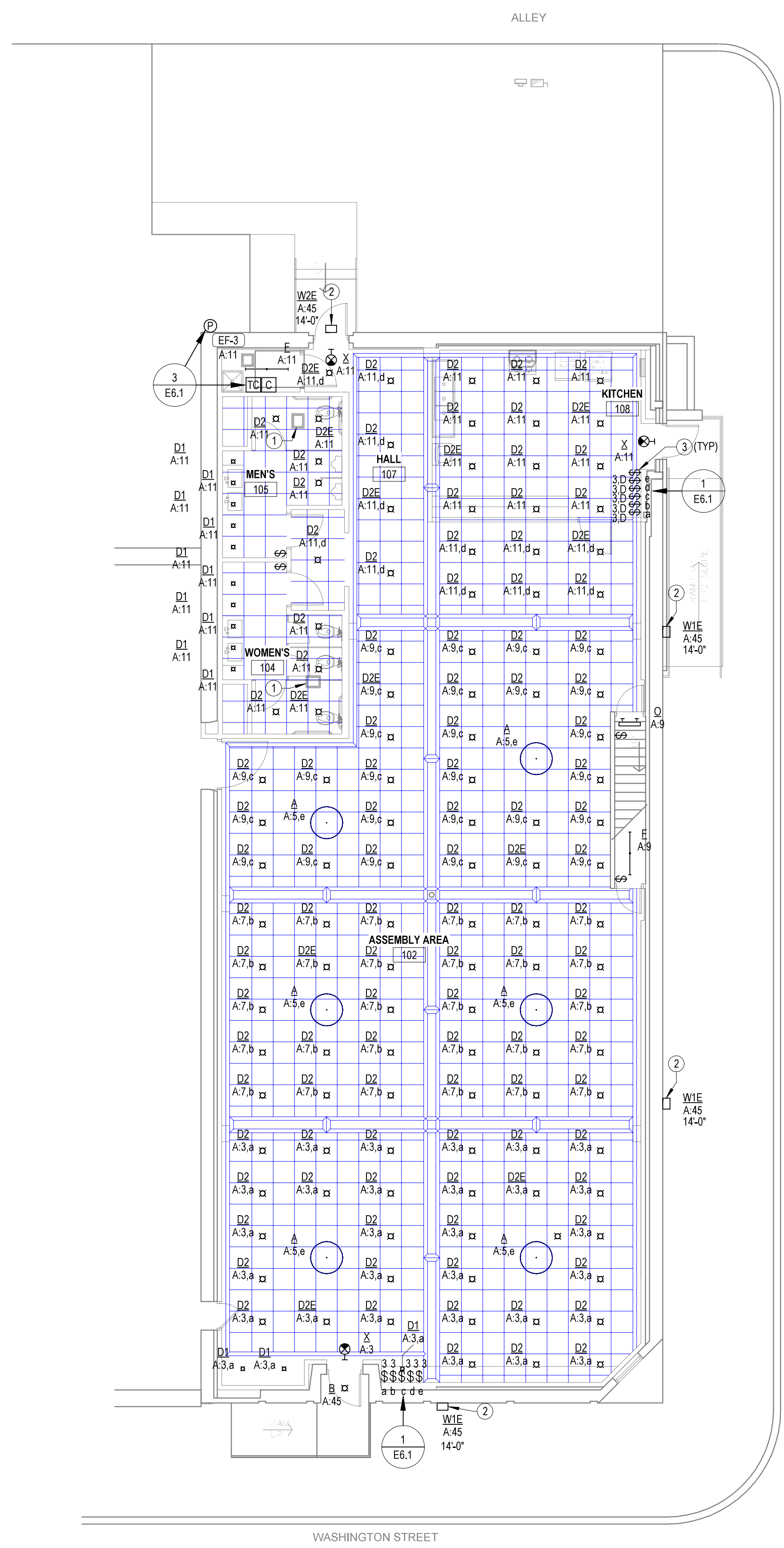
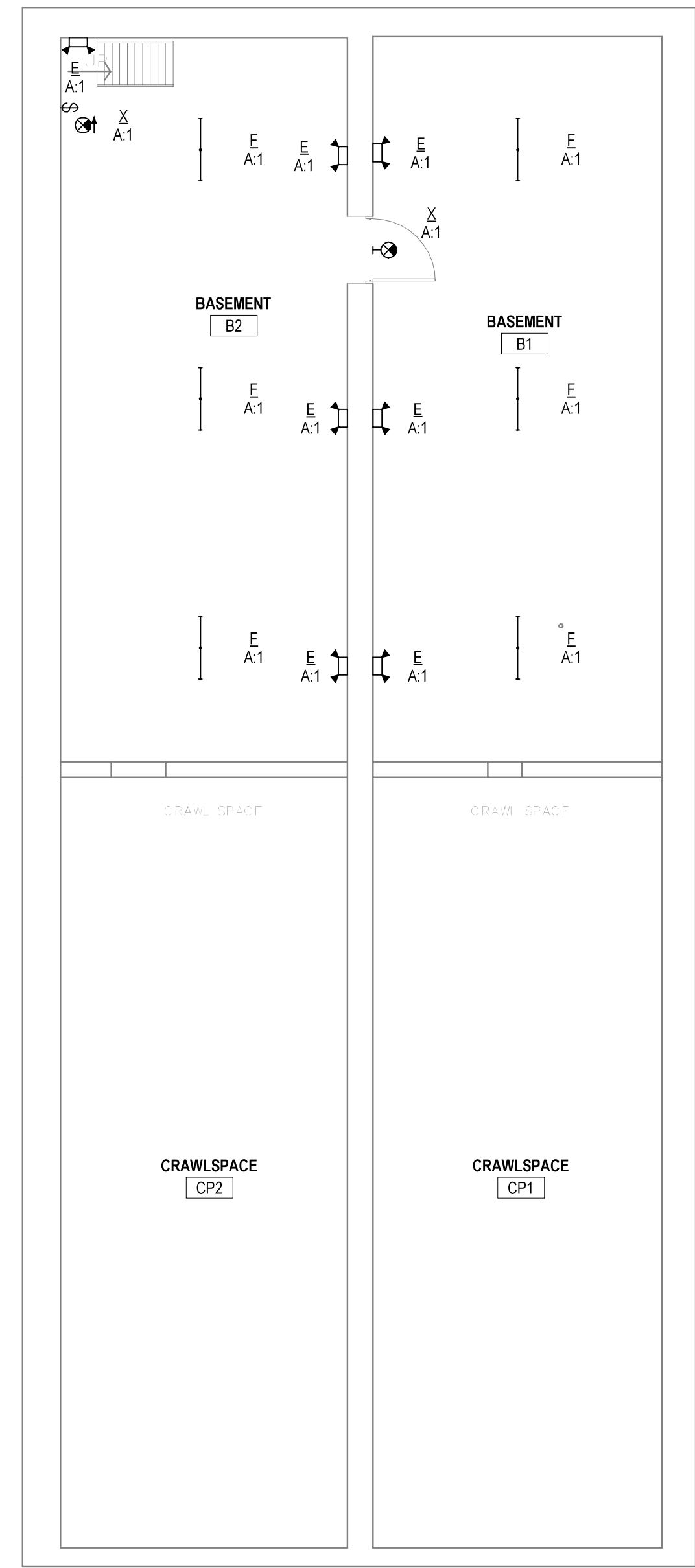
#### GENERAL ELECTRICAL DEMOLITION NOTES

- REMOVE ALL NM, BX, MC, AC AND OTHER CABLE SYSTEMS AND WIRING FOR ALL ABANDONED CIRCUITS.
- REMOVE ALL ABANDONED CONDUITS ABOVE LAY-IN CEILINGS, EXPOSED CONDUIT, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES AND EQUIPMENT UNLESS NOTED OTHERWISE.
- WHERE ABANDONED FEEDERS AND BRANCH CIRCUITS ARE CONCEALED WITHIN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND CAP CONDUITS AT BOTH ENDS.
- WHERE ABANDONED OUTLET AND JUNCTION BOXES ARE RECESSED FLUSH IN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND WIRING DEVICES AND PROVIDE BLANK STAINLESS STEEL COVERPLATES FOR BOXES 6"x6" AND SMALLER. REMOVE BOXES LARGER THAN 6"x6" AND PATCH SURFACE TO MATCH EXISTING. COORDINATE WITH ARCHITECT FOR FINAL DIRECTION.
- ALL EQUIPMENT, FIXTURES, RACEWAY, WIRING AND DEVICES WHICH ARE REMOVED SHALL BE REMOVED FROM THE JOB SITE BY THIS CONTRACTOR, UNLESS DIRECTED OTHERWISE BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. CONFORM TO ALL LAWS AND ORDINANCES IN EFFECT CONCERNING THE PROPER DISPOSAL OF LUMINAIRES AND LAMPS.
- COORDINATE THE REMOVAL OF MECHANICAL AND PLUMBING EQUIPMENT WITH THE MECHANICAL AND PLUMBING CONTRACTORS. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ELECTRICAL POWER AND CONTROL CIRCUITS FOR EQUIPMENT BEING REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH DEMOLISHED MECHANICAL AND PLUMBING EQUIPMENT (DISCONNECT SWITCHES, MOTOR STARTERS, RELAYS, ETC.).

#### GENERAL ELECTRICAL REMODEL NOTES

- DESIGN IS BASED ON FIELD INFORMATION. AS-BUILT DRAWINGS AND OWNER FURNISHED INFORMATION. CONTRACTOR SHALL VERIFY ACCURACY OF ALL EXISTING CONDITIONS. IN CASE OF DISCREPANCY, PROVIDE ALL NECESSARY CONDUIT, WIRE, BOXES, FITTINGS, ETC. FOR A COMPLETE OPERATING ELECTRICAL SYSTEM.
- EXISTING EQUIPMENT, WIRING DEVICES, LIGHTS, CONDUIT, WIRING, ETC., NOT DISTURBED BY NEW CONSTRUCTION WORK SHALL BE MAINTAINED AND UNMOUNTED. THESE ITEMS, IF SHOWN, ARE SHOWN FOR INFORMATION PURPOSES ONLY UNLESS NOTED OTHERWISE. THIS CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND TO BECOME FAMILIAR WITH ALL WORK TO BE PERFORMED. FAILURE TO DO SO WILL NOT RELIEVE THIS CONTRACTOR OF THE RESPONSIBILITY FOR PERFORMING ALL WORK NECESSARY TO PROVIDE A WORKMANLIKE INSTALLATION.
- FIELD VERIFY THE LOCATION AND CONDITION OF ALL EXISTING UTILITIES AND PROVIDE PROTECTION FOR THESE UTILITIES DURING THE COURSE OF WORK. EXISTING UTILITIES, BUILDING MATERIALS AND ASSOCIATED ITEMS DAMAGED BY THIS CONTRACTOR, OR ANY PARTIES ASSOCIATED WITH THIS CONTRACTOR, SHALL BE REPAIRED OR REPLACED AT THIS CONTRACTOR'S EXPENSE, IN A TIMELY MANNER, AND TO THE OWNER'S WRITTEN ACCEPTANCE.
- THERE SHALL NOT BE ANY INTERRUPTION TO EXISTING SERVICES (ELECTRICAL, FIRE ALARM, TELEPHONE, ETC.) WITHOUT PRIOR SCHEDULING OF SUCH OUTAGES WITH THE OWNER, ARCHITECT, AND ALL OTHER PARTIES INVOLVED.
- MAINTAIN ACCURATE RECORDS OF ALL MODIFICATIONS TO THE EXISTING SYSTEMS WHICH ARE TO REMAIN AND DELIVER ALL RECORD DRAWINGS INDICATING SUCH MODIFICATIONS TO THE OWNER UPON COMPLETION OF THE PROJECT. MAINTAIN IN THE PROJECT CONSTRUCTION OFFICE, AS THE WORK PROGRESSES, AN UP-TO-DATE, NEATLY MARKED COPY OF THESE DRAWINGS FOR REVIEW BY THE ARCHITECT, ENGINEER, OR OWNER'S REPRESENTATIVE.
- WHERE NEW ADDITION WORK OR REMODELING INTERFERES WITH CIRCUITS IN ROOMS OTHERWISE UNDISTURBED, EXISTING CIRCUITS SHALL BE REWORKED AS REQUIRED TO MAINTAIN SERVICE.
- EXISTING ROUGH-IN BOXES AND CONDUIT MAY BE UTILIZED FOR NEW DEVICES IF THEY ARE OF PROPER SIZE AND MATERIAL, AND ARE IN SUITABLE LOCATIONS. HOWEVER, NEW DEVICES AND WIRING MUST BE INSTALLED.
- WHERE EXISTING EQUIPMENT IS BEING REPLACED WITH NEW EQUIPMENT OR RELOCATED EQUIPMENT, ELECTRICAL CONTRACTOR MAY REUSE THE EXISTING CONDUIT AND ROUGH-IN LOCATIONS IF POSSIBLE, BUT ALL CONDUCTORS SHALL BE NEW.
- CIRCUITING SHOWN IN REMODELED AREAS MAY BE MODIFIED TO SUIT FIELD CONDITIONS. HOWEVER, KEEP CIRCUITS APPROXIMATELY AS SHOWN ON PLANS TO AVOID OVERLOADING OF CIRCUITS AND TO LIMIT VOLTAGE DROP.
- MAINTAIN FIRE RATING OF ALL EXISTING WALLS, FLOORS AND CEILING SYSTEMS.
- NEW DEVICES INSTALLED ON EXISTING WALLS AND CEILINGS IN OCCUPIED SPACES SHALL HAVE WIRING INSTALLED CONCEALED. SURFACE RACEWAY (WIREMOLD) SHALL ONLY BE INSTALLED ON EXISTING WALLS AND HARD CEILINGS WHERE WIRING CANNOT BE INSTALLED CONCEALED (IE. CONCRETE, BRICK, CMU, ETC.). OBTAIN APPROVAL FROM ARCHITECT, ENGINEER, AND OWNER PRIOR TO EACH OCCURRENCE WHERE SURFACE RACEWAY IS INSTALLED. SURFACE RACEWAY SHALL BE STEEL, SINGLE CHANNEL TYPE, IVORY COLORED, COMPLETE WITH ALL ELBOWS, BOXES, SUPPORTS, COVERS, ETC. AS REQUIRED. SURFACE RACEWAY SYSTEMS SHALL BE MANUFACTURED BY WIREMOLD, HUBBELL, OR MONOSYSTEMS, AND SHALL BE OF TYPES AS FOLLOWS:  
 - POWER AND FIRE ALARM: WIREMOLD 500 SERIES  
 - COMMUNICATIONS AND AV: WIREMOLD 2400 SERIES

- NOTES BY SYMBOL**
- 1 SWITCH EXHAUST FAN WITH ROOM LIGHTS.
  - 2 ROUTE EXTERIOR LIGHT FIXTURE CIRCUITRY THROUGH LIGHTING CONTROL CONTACTOR. SEE 3.E6.1 FOR MORE INFORMATION.
  - 3 PROVIDE DIMMER SWITCH COMPATIBLE WITH CONNECTED FIXTURES.



**1 BASEMENT-LIGHTING PLAN**  
 1/8" = 1'-0"

**2 FIRST FLOOR-LIGHTING PLAN**  
 1/8" = 1'-0"

**3 PARTIAL-FIRST FLOOR-LIGHTING PLAN-ALTERNATE #1**  
 1/8" = 1'-0"

**CLYDE COMMUNITY HALL**

RENOVATION

KANSAS

CLYDE,



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 REVISIONS:

DATE: 4-16-2026  
 JOB: 25-35.03  
 SHEET NO.:

**E1.1**

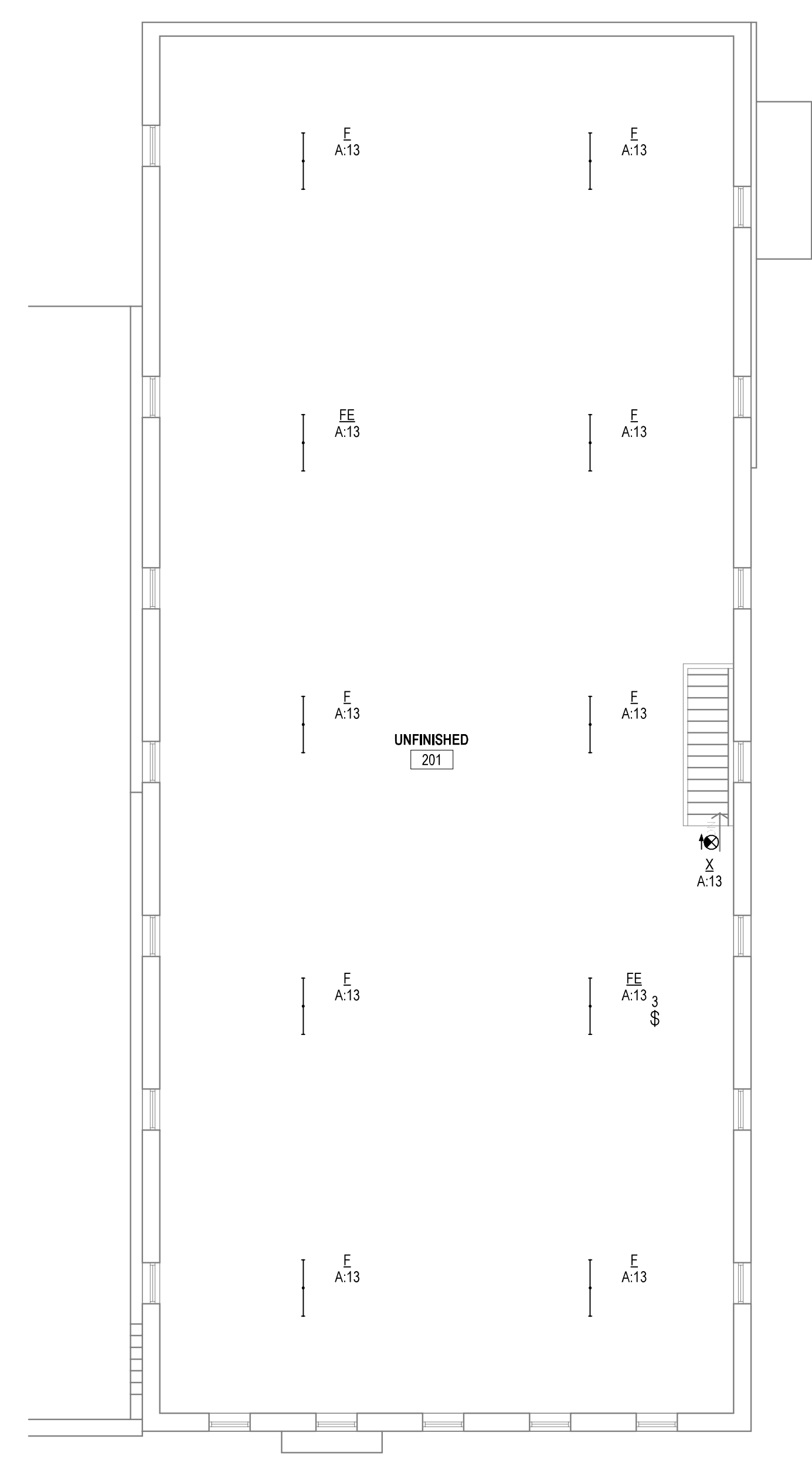


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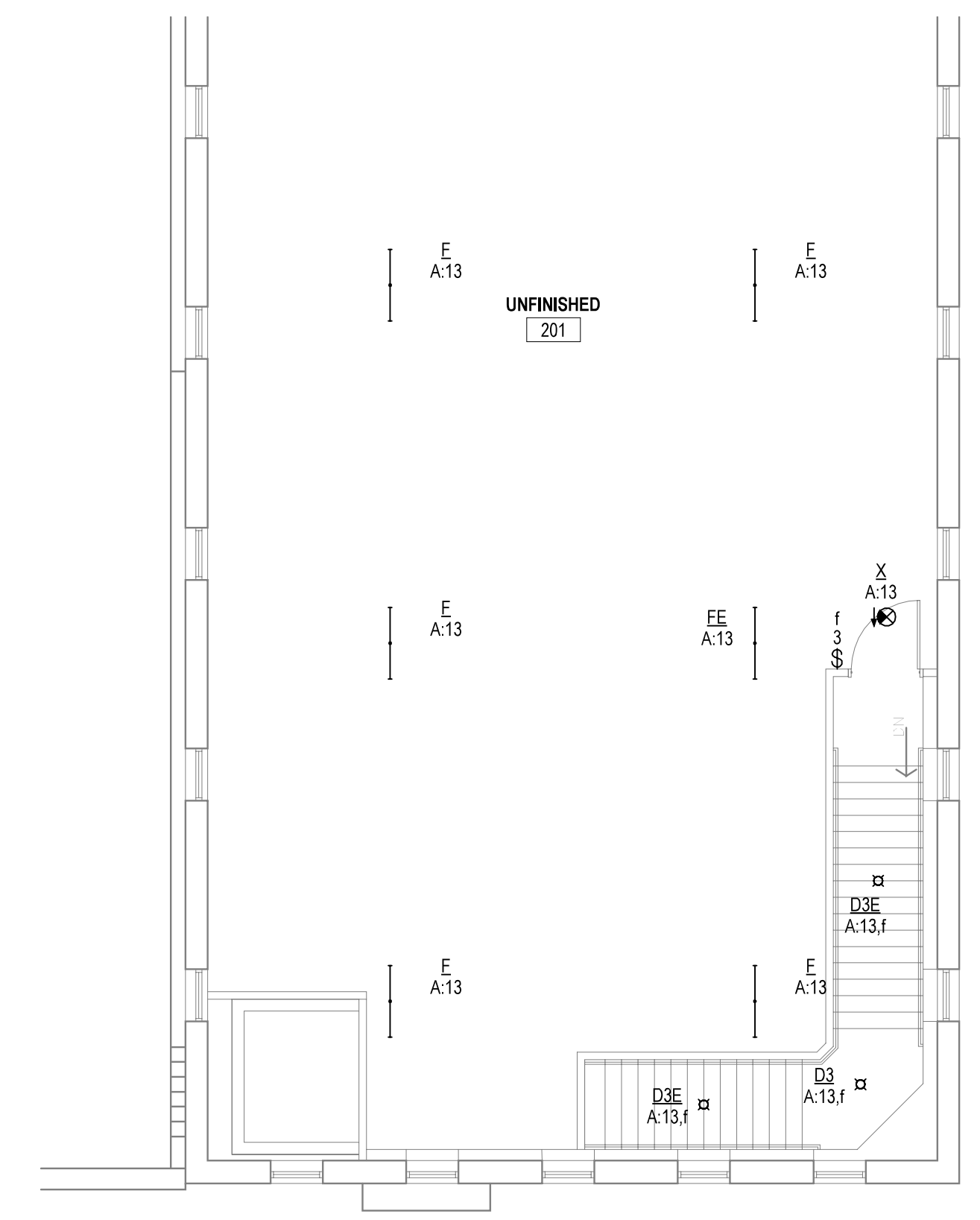
DATE: 4-16-2026  
 JOB: 25-3508  
 SHEET NO.:

**E1.2**

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**1 SECOND FLOOR-LIGHTING PLAN**  
 1/8" = 1'-0"



**2 PARTIAL-SECOND FLOOR-LIGHTING PLAN-ALTERNATE #1**  
 1/8" = 1'-0"

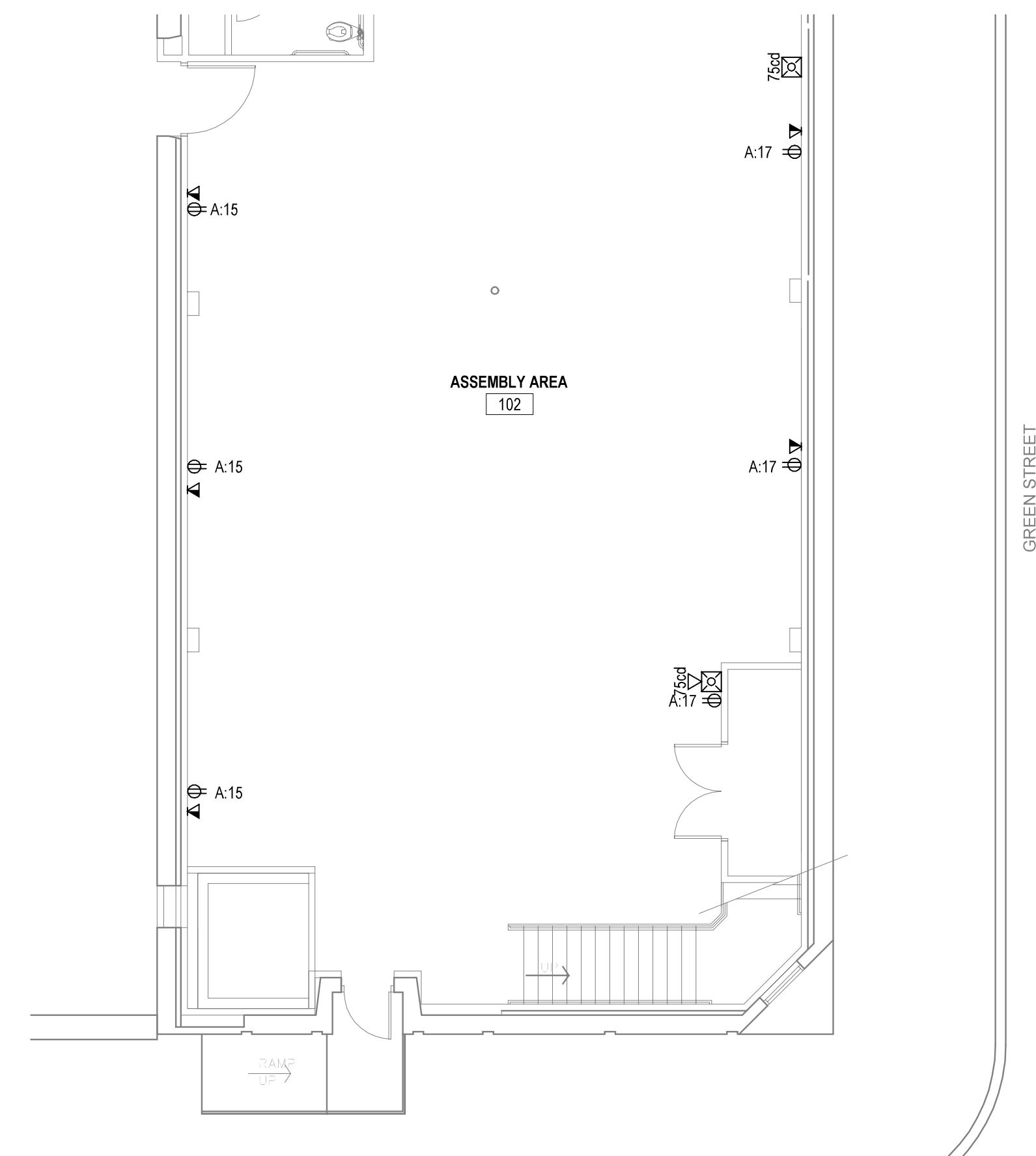
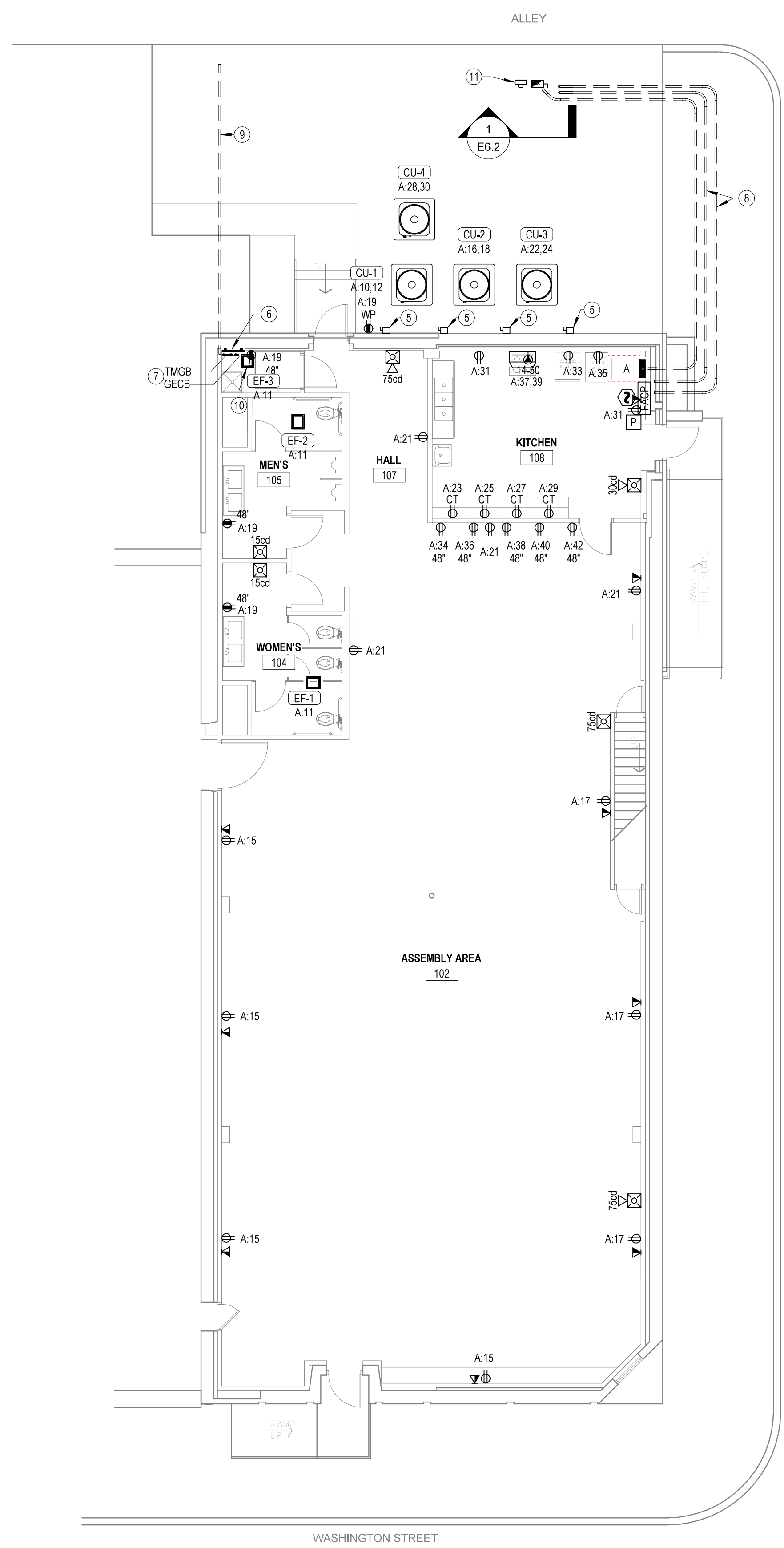
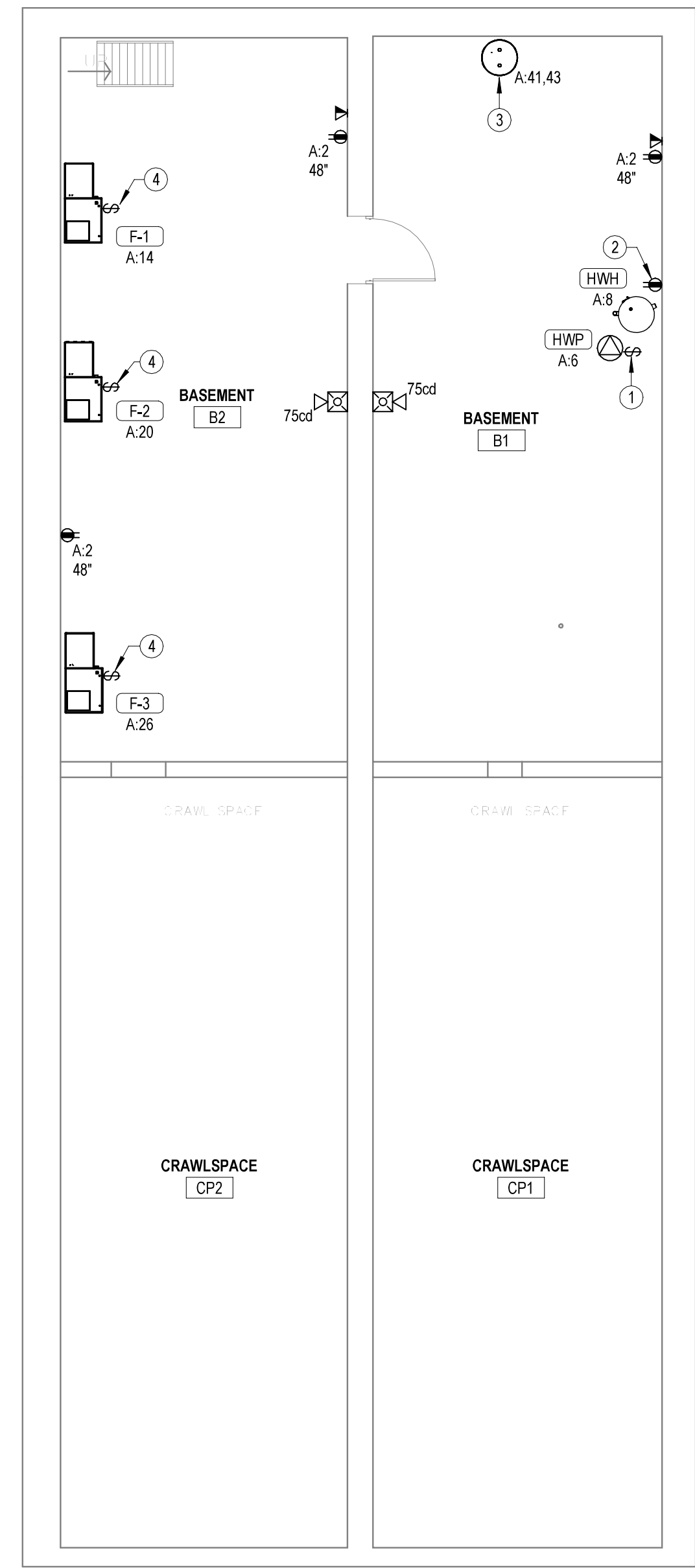


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 SHEET NO.:

**NOTES BY SYMBOL**

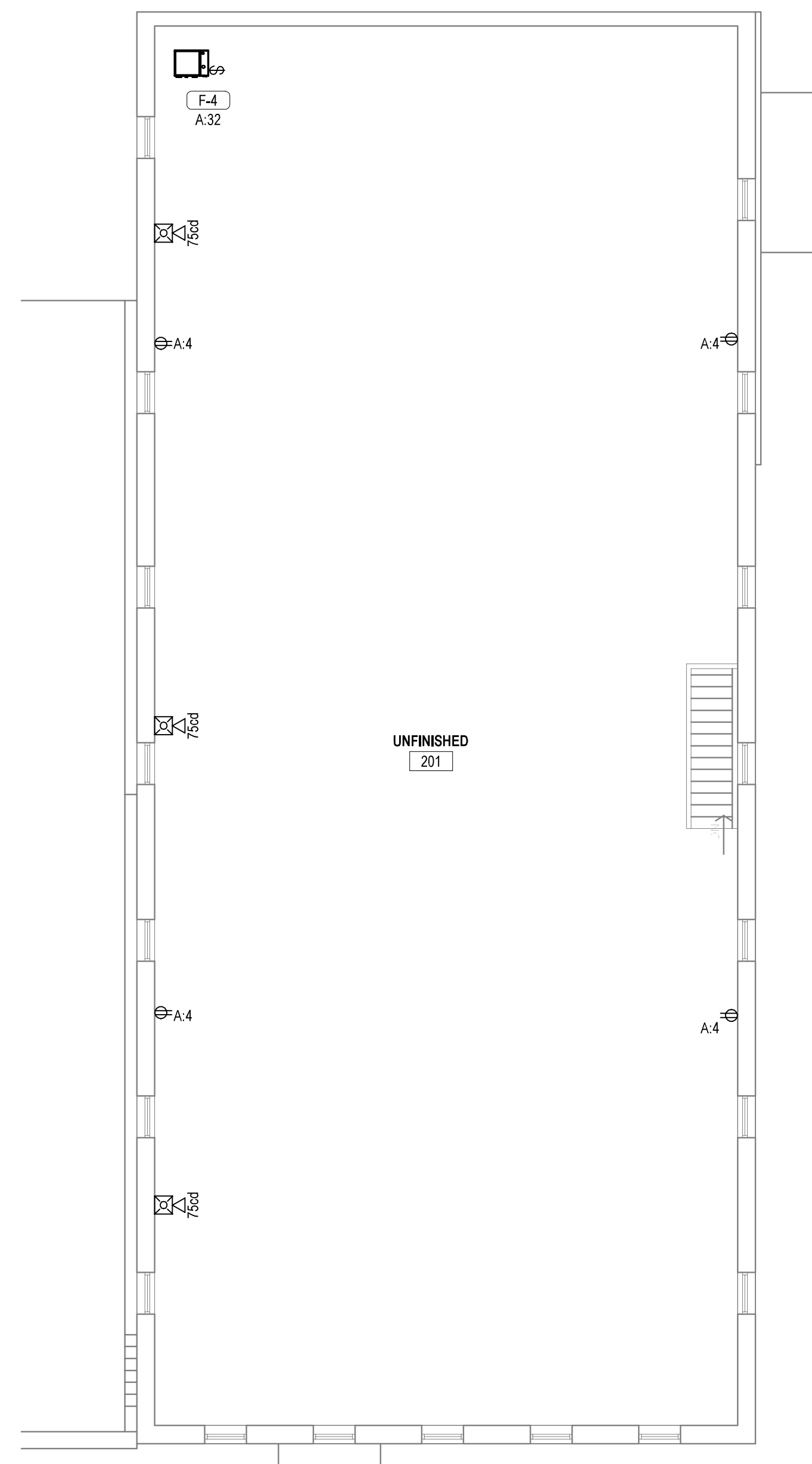
- 1 ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
- 2 PROVIDE RECEPTACLE FOR CORD AND PLUG CONNECTION OF WATER HEATER.
- 3 PROVIDE FINAL CONNECTION TO SUMP PUMP. COORDINATE EXACT REQUIREMENTS WITH P.C. SEE 2.PB.1 FOR MORE INFORMATION.
- 4 PROVIDE 20A MOTOR RATED SNAP SWITCH AND MAKE FINAL CONNECTION TO FURNACE.
- 5 60A/2P NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. MAKE FINAL CONNECTION TO CONDENSING UNIT IN 'LFMC' RACEWAY.
- 6 PROVIDE 2x4x3/4" ACX FIRE RETARDANT PLYWOOD SHEET INSTALLED VERTICALLY WITH TOP AT 6' AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
- 7 REFERENCE 3.E6.2 FOR MORE INFORMATION.
- 8 PROVIDE CONDUITS FOR FUTURE USE. REFERENCE 1.E6.2 FOR MORE INFORMATION.
- 9 2" CONDUIT BELOW GRADE FOR COMMUNICATIONS SERVICE. PROVIDE PULLSTRING IN RACEWAY. VERIFY TERMINATION POINT AT PROPERTY LINE WITH LOCAL COMMUNICATIONS ACCESS PROVIDER.
- 10 WIRE EXHAUST FAN FOR CONTINUOUS OPERATION.
- 11 COORDINATE FINAL LOCATION OF METER WITH UTILITY COMPANY. PROVIDE SHOP DRAWINGS OF PROPOSED EQUIPMENT WHETHER AS SPECIFIED OR SUBSTITUTED TO UTILITY COMPANY FOR APPROVAL. COORDINATE ALL RESPONSIBILITIES AND REQUIREMENTS WITH POWER UTILITY COMPANY AND PAY ASSOCIATED FEES.



**1 BASEMENT-POWER PLAN**  
 1/8" = 1'-0"

**2 FIRST FLOOR-POWER PLAN**  
 1/8" = 1'-0"

**3 PARTIAL-FIRST FLOOR-POWER PLAN-ALTERNATE #1**  
 1/8" = 1'-0"



**1 SECOND FLOOR-POWER PLAN**  
 1/8" = 1'-0"



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 REVISIONS:

DATE: 4-16-2026  
 JOB: 25-3508  
 SHEET NO.:

**BUILD AMERICA. BUY AMERICA (BABA) COMPLIANCE NOTE:**

This project is subject to the requirements of the Build America, Buy America Act (BABA). All materials, products, equipment, and fixtures incorporated into the Work shall comply with applicable BABA requirements unless specifically exempted by the Owner or applicable funding agency.

Equipment, fixtures, and materials identified in schedules or on drawings are provided for basis of design and to establish required performance, capacity, and quality standards only. Scheduled items may or may not be BABA compliant.

It shall be the Contractor's responsibility to coordinate with manufacturers and suppliers to verify and document that all products furnished and installed comply with BABA requirements. Where scheduled equipment or specified products are not BABA compliant, the Contractor shall provide compliant equipment or fixtures meeting or exceeding the specified performance, capacity, efficiency, dimensional, and functional requirements.

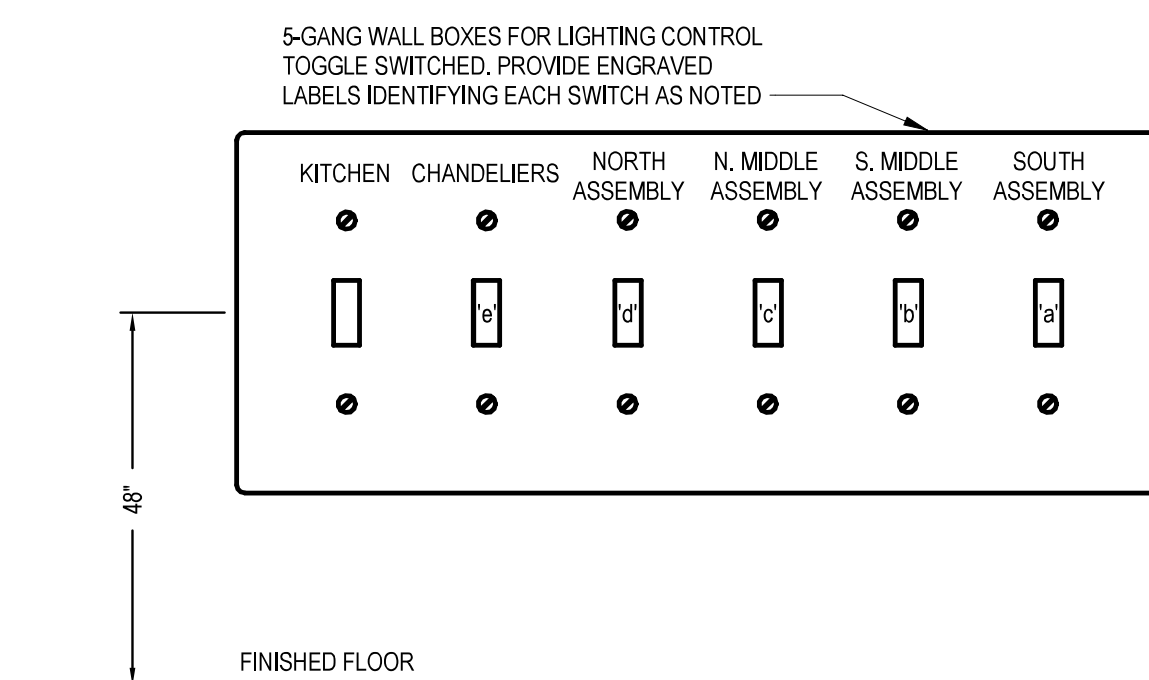
Substitutions required for BABA compliance shall be submitted in accordance with the Contract Documents for review prior to procurement.

**LIGHT FIXTURE SCHEDULE**

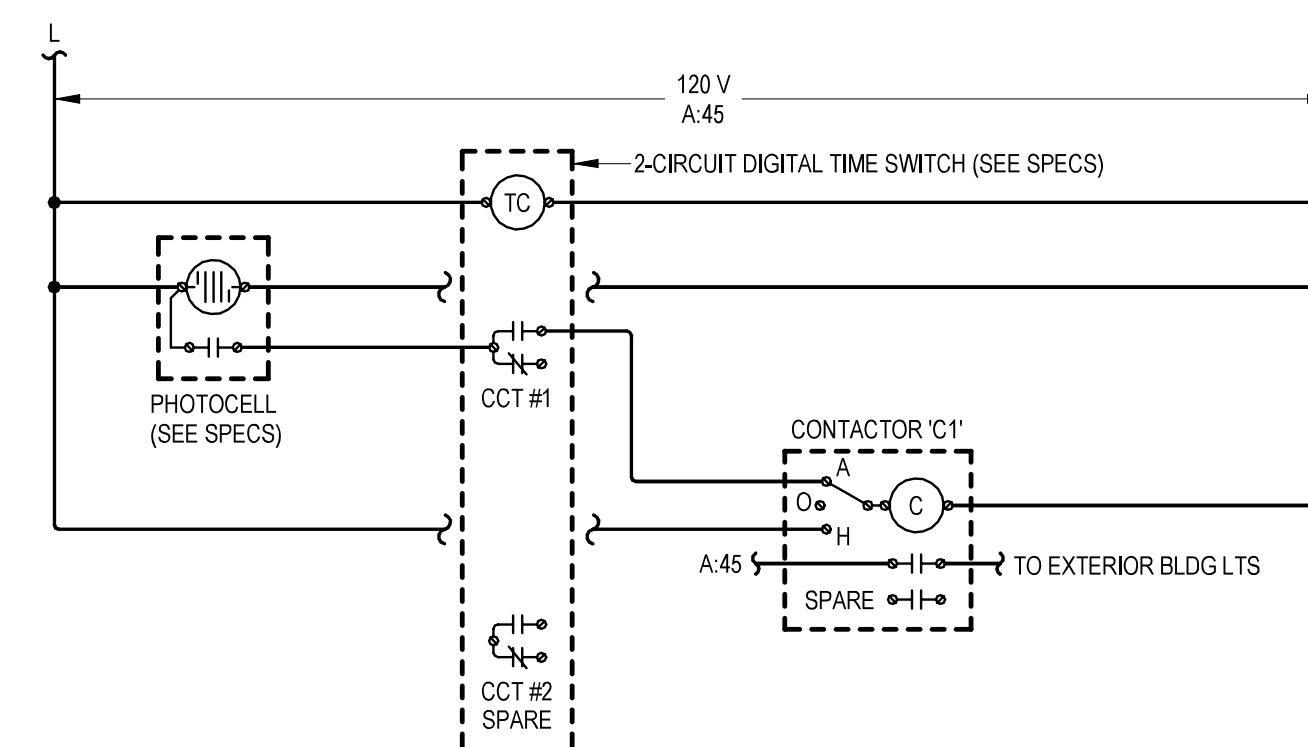
- GENERAL:**
- ALL LEDs SHALL BE 4000K CORRELATED COLOR TEMPERATURE, MINIMUM 80 CRI.
  - ALL LED FIXTURES SHALL ADHERE TO LM79 AND LM80 STANDARDS.
  - PROVIDE MANUFACTURERS' FLANGE KIT WHERE LAY-IN FIXTURES ARE TO BE INSTALLED IN GYP.

- NOTES:**
- PROVIDE FIXTURE WITH INTEGRAL EMERGENCY BATTERY AND CHARGER WITH SELF-DIAGNOSTIC/SELF-TESTING ELECTRONICS.
  - FIXTURE SHALL BE CAPABLE OF WALL OR CEILING MOUNT APPLICATIONS AND SHALL HAVE BREAK-OUT DIRECTIONAL CHEVRONS.
  - FIXTURE SHALL BE CAPABLE OF OPERATION IN TEMPERATURES RANGING FROM -4F THROUGH 104F.
  - ULL LISTED FOR 'WET LOCATION'.
  - MOUNT FIXTURE WITH BOTTOM AT 9'-4 5/8" A.F.F.
  - COORDINATE EXACT LOCATION OF FIXTURE WITH ARCHITECT.

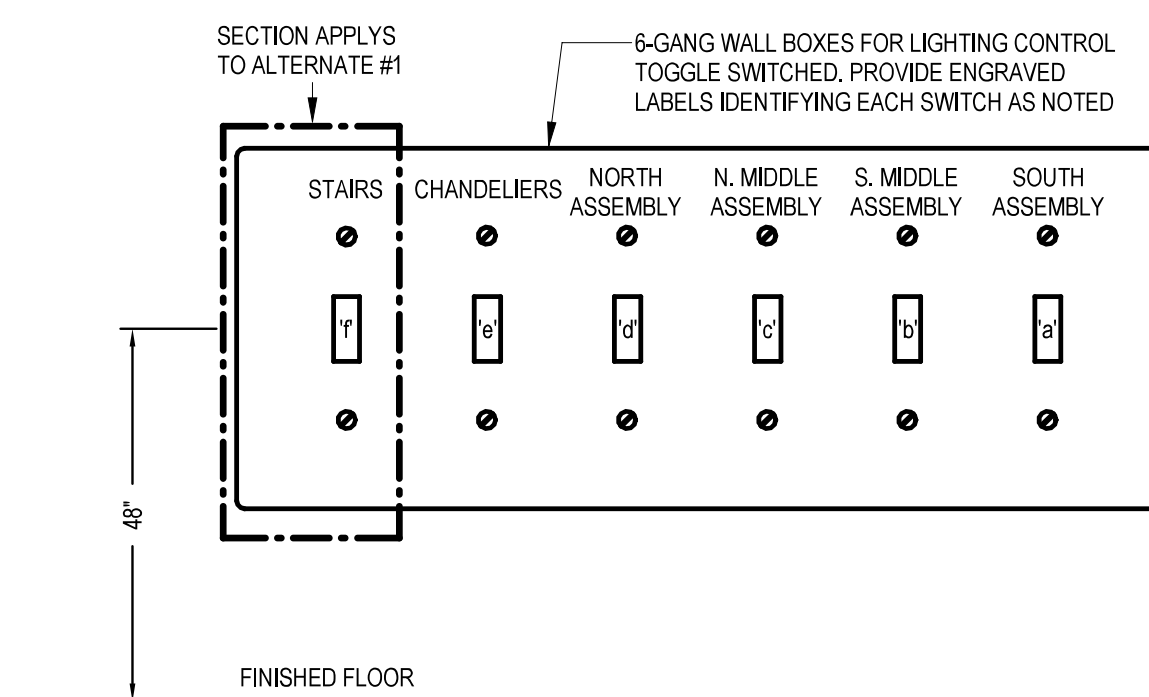
MARK	MANUFACTURER	MODEL NUMBER	WATTAGE	LUMEN OUTPUT	DRIVER	MOUNTING	FINISH	DESCRIPTION	NOTES
A	VAULT LIGHT	GALJOUR			STANDARD, DIMMABLE	CEILING HUNG	---	GLASS CHANDELIER	5,6
B	HALO	SMX6RSLFS02W	13 W	1200 lm	LED DRIVER, DIMMABLE	CEILING SURFACE	WHITE	6" DIA ROUND SURFACE MOUNT DOWNLIGHT	3,4
D1	LIGHTOLIER	P4RDL05930MCL-Z10	8 W	500 lm	LED DRIVER, DIMMABLE	CEILING RECESSED	WHITE	4" DIA ROUND LED, WIDE BEAM DOWNLIGHT	---
D2	LIGHTOLIER	P6RDL10930MCL-Z10	14 W	1000 lm	LED DRIVER, DIMMABLE	CEILING RECESSED	WHITE	6" DIA ROUND LED, WIDE BEAM DOWNLIGHT	---
D2E	LIGHTOLIER	P6RDL10930MCL-Z10-4.CEM6	14 W	1000 lm	LED DRIVER, DIMMABLE	CEILING RECESSED	WHITE	6" DIA ROUND LED, WIDE BEAM DOWNLIGHT WITH EMERGENCY BATTERY BACKUP	1
D3	LIGHTOLIER	P6RDL40930MCL-Z10	35 W	1000 lm	LED DRIVER, DIMMABLE	CEILING RECESSED	WHITE	6" DIA ROUND LED, WIDE BEAM DOWNLIGHT	---
D3E	LIGHTOLIER	P6RDL40930MCL-Z10-4.CEM6	35 W	1000 lm	LED DRIVER, DIMMABLE	CEILING RECESSED	WHITE	6" DIA ROUND LED, WIDE BEAM DOWNLIGHT WITH EMERGENCY BATTERY BACKUP	1
E	LITHONIA	ELM6L UVOLT LTP			---	SURFACE WALL	---	ELU INDOOR, TWO HEAD	1
F	DAY-BRITE CFI	FSS440L840-UNV-DIM	30 W	4077 lm	LED DRIVER, DIMMABLE	SUSPENDED	WHITE	4' STANDARD STRIP WITH CURVED FROSTED ACRYLIC LENS	---
FE	DAY-BRITE CFI	FSS440L840-UNV-DIM-EM10	30 W	4077 lm	LED DRIVER, DIMMABLE	SUSPENDED	WHITE	4' STANDARD STRIP WITH CURVED FROSTED ACRYLIC LENS WITH EMERGENCY BATTERY BACKUP	1
O	LITHONIA	WL2-22L-EZ1-LP840-MSD7-DIM50-E10WLCP	21 W	2189 lm	LED DRIVER, DIMMABLE	SURFACE WALL	WHITE	2 FT. WALL MOUNTED STAIRWELL LIGHT WITH EMERGENCY BATTERY BACKUP	---
W1E	GARDCO	GBM-A06-840-T2M-UNV-EC	16 W	2928 lm	STANDARD	WALL	BLACK	EXTERIOR LED WALL PACK WITH IES TYPE II DISTRIBUTION AND EMERGENCY BATTERY BACKUP	3,4
W2E	GARDCO	GBM-A08-840-T4M-UNV-EC	30 W	4653 lm	STANDARD	WALL	BLACK	EXTERIOR LED WALL PACK WITH IES TYPE IV DISTRIBUTION AND EMERGENCY BATTERY BACKUP	3,4
X	LIFE SAFETY LIGHTING	LSXS2RWEMSDT			---	CEILING	WHITE	UNIVERSAL SINGLE/DOUBLE FACE POLYCARBONATE EXIT SIGN	1,2



**2 LIGHTING SWITCHBANK-NORTH**  
NO SCALE



**3 LIGHTING CONTROL DIAGRAM**  
NO SCALE



**1 LIGHTING SWITCHBANK-SOUTH**  
NO SCALE



2026.04.16 08:37:44-05'00'

REVISIONS:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 DATE: 4-16-2026  
 JOB: 25-3508  
 SHEET NO.:

**Panelboard: A**

Location: KITCHEN  
 Supply: SDS  
 Mounting: Surface  
 Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W  
 Bus Rating: 225 A  
 Neutral: 100%  
 Feed-Thru Lugs: No  
 Features & Modifications: PROVIDE INTEGRAL SURGE PROTECTION

Mains Type: MCB  
 Mains Rating: 225 A  
 Mains F/N Note: -  
 SCCR: 10 kA

**Breaker Function Schedule**

G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
L	Lockable breaker

Ckt	Description	Circuitry	Trip (A)	FN	A	B	C	FN	Trip (A)	Circuitry	Description	Ckt		
A-1	LTG - BASEMENT	1/2" C, 1#12 #12N #12G	20		0.2	0.54			20	1/2" C, 1#12 #12N #12G	RCPT - BASEMENT	A-2		
A-3	LTG - SOUTH ASSEMBLY	1/2" C, 1#12 #12N #12G	20			0.64	0.72		20	1/2" C, 1#12 #12N #12G	RCPT - 2ND FLOOR	A-4		
A-5	LTG - ASSEMBLY PENDANTS	1/2" C, 1#12 #12N #12G	20				0	0.25	20	1/2" C, 1#12 #12N #12G	RECIRCULATION PUMP	A-6		
A-7	LTG - S. MIDDLE ASSEMBLY	1/2" C, 1#12 #12N #12G	20		0.44	0.25			20	1/2" C, 1#12 #12N #12G	HOT WATER HEATER	A-8		
A-9	LTG - N. MIDDLE ASSEMBLY	1/2" C, 1#12 #12N #12G	20				0.48	3.12	40	1/2" C, 2#8 #10G	RCPT - CONDENSING UNIT 'CU-1'	A-10		
A-11	LTG - N. ASSEMBLY/KITCHEN/RESTROOM	1/2" C, 1#12 #12N #12G	20					0.78	3.12	40	1/2" C, 2#8 #10G	FURNACE F-1'	A-14	
A-13	LTG - 2ND FLOOR	1/2" C, 1#12 #12N #12G	20		0.45	0.8			20	1/2" C, 1#12 #12N #12G	RCPT - CONDENSING UNIT 'CU-2'	A-16		
A-15	RCPT - SW ASSEMBLY	1/2" C, 1#12 #12N #12G	20				0.72	3.12	40	1/2" C, 2#8 #10G	FURNACE F-2'	A-22		
A-17	RCPT - EAST ASSEMBLY	1/2" C, 1#12 #12N #12G	20					0.9	3.12	40	1/2" C, 2#8 #10G	RCPT - CONDENSING UNIT 'CU-3'	A-24	
A-19	RCPT - RESTROOM EXTERIOR	1/2" C, 1#12 #12N #12G	20		0.72	0.8			20	1/2" C, 1#12 #12N #12G	FURNACE F-3'	A-26		
A-21	RCPT - N. ASSEMBLY	1/2" C, 1#12 #12N #12G	20				0.72	3.12	40	1/2" C, 2#8 #10G	RCPT - CONDENSING UNIT 'CU-4'	A-30		
A-23	RCPT - KITCHEN SERVE COUNTER	1/2" C, 1#12 #12N #12G	20	G					0.18	3.12	40	1/2" C, 2#8 #10G	FURNACE F-4'	A-32
A-25	RCPT - KITCHEN SERVE COUNTER	1/2" C, 1#12 #12N #12G	20	G	0.18	0.8			20	1/2" C, 1#12 #12N #12G	RCPT - SERVING COUNTER	A-34		
A-27	RCPT - KITCHEN SERVE COUNTER	1/2" C, 1#12 #12N #12G	20	G			0.18	3.12	40	1/2" C, 2#8 #10G	RCPT - SERVING COUNTER	A-36		
A-29	RCPT - KITCHEN SERVE COUNTER	1/2" C, 1#12 #12N #12G	20	G				0.18	3.12	40	1/2" C, 2#8 #10G	RCPT - SERVING COUNTER	A-38	
A-31	RCPT - KITCHEN	1/2" C, 1#12 #12N #12G	20	G	0.36	0.8			20	1/2" C, 1#12 #12N #12G	RCPT - SERVING COUNTER	A-40		
A-33	RCPT - FREEZER	1/2" C, 1#12 #12N #12G	20	G			0.18	0.18	20	1/2" C, 1#12 #12N #12G	RCPT - SERVING COUNTER	A-42		
A-35	RCPT - REFRIGERATOR	1/2" C, 1#12 #12N #12G	20	G			0.18	0.18	20	1/2" C, 1#12 #12N #12G	RCPT - SERVING COUNTER	A-44		
A-37	RCPT - RANGE	3/4" C, 2#6 #6N #10G	50	G	4.29	0.18			20	1/2" C, 1#12 #12N #12G	RCPT - SERVING COUNTER	A-46		
A-39	RCPT - RANGE	3/4" C, 2#6 #6N #10G	50	G			4.25	0.18	20	1/2" C, 1#12 #12N #12G	RCPT - SERVING COUNTER	A-48		
A-41	SUMP PUMP	1/2" C, 2#12 #12G	20					0.86	0.18	L 20	1/2" C, 1#12 #12N #12G	RCPT - SERVING COUNTER	A-50	
A-43	LTG - EXTERIOR	1/2" C, 1#12 #12N #12G	20				0.1	--	--	--	--	A-52		
A-45	SPARE	--	20									A-54		
A-47	SPARE	--	20											
A-49	SPARE	--	20											
A-51	SPARE	--	20											
A-53	SPARE	--	20											

Load Classification	Connected	Factor	Demand
Motor	5583 VA	107.74%	6015 VA
Other	8860 VA	100.00%	8860 VA
Lighting - Interior	2947 VA	125.00%	3683 VA
Receptacle - General	6660 VA	100.00%	6660 VA
Cooking *	24960 VA	100.00%	24960 VA

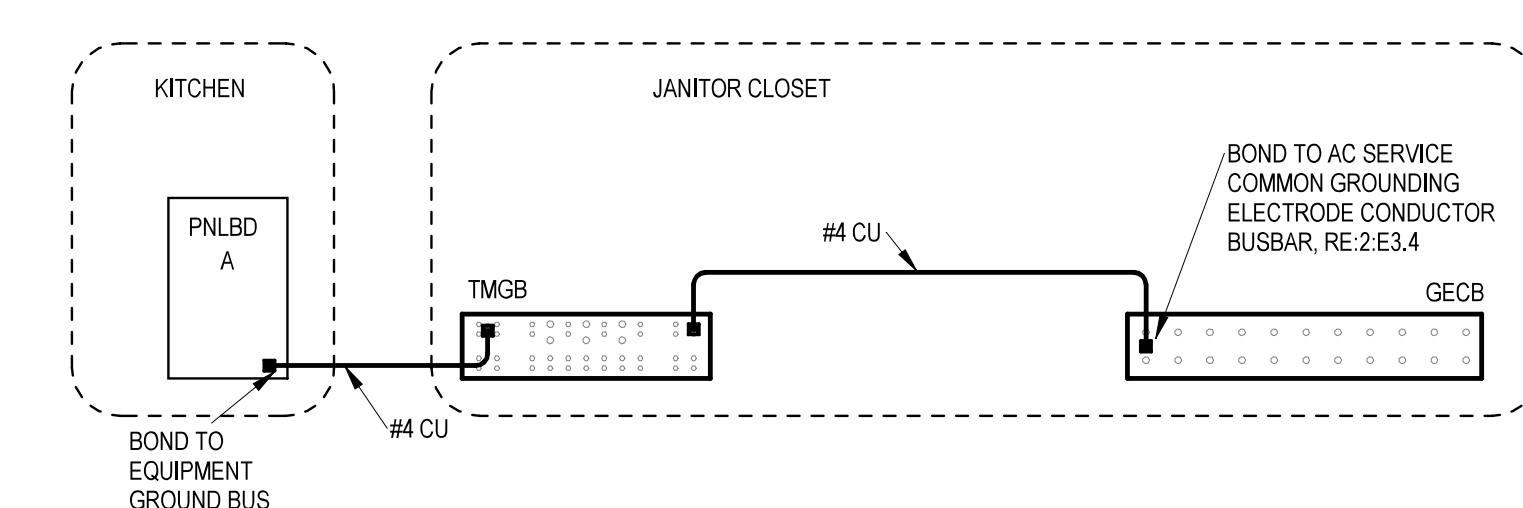
  

Panel Totals
Connected Load: 49 kVA
Connected Current: 136 A
Demand Load: 50 kVA
Demand Current: 139 A
Non-Coincident Heat/Cool: 0.0 A
Total Est. Demand - NC: 139.3 A

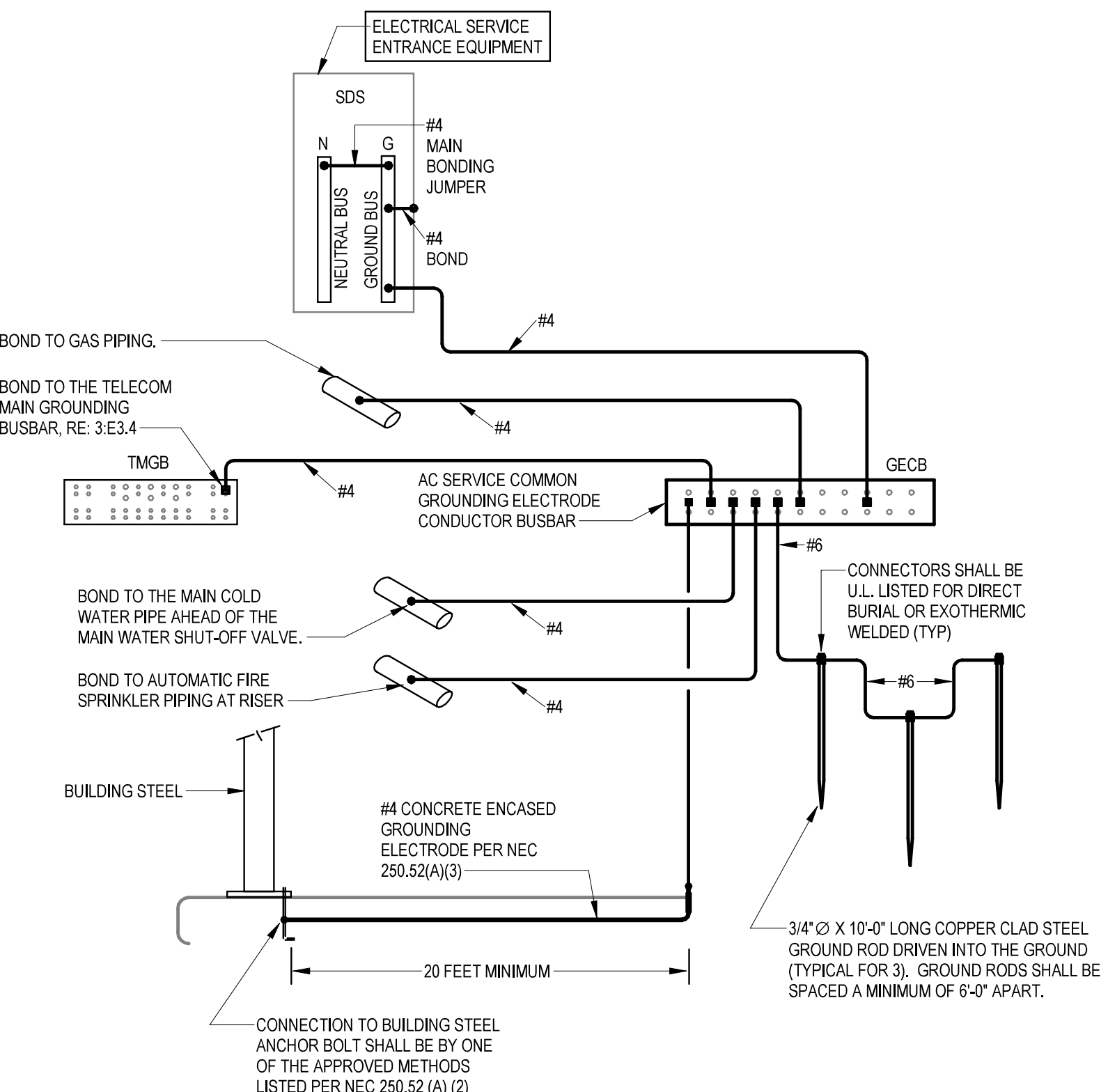
- NOTES BY SYMBOL**
- NEW UTILITY POLE PROVIDED BY POWER COMPANY TO BE UTILIZED FOR NEW PRIMARY SERVICE DROP. COORDINATE PRIMARY CONDUIT STUB-UP WITH POWER COMPANY.
  - NEW OVERHEAD 3-PHASE PRIMARY ELECTRICAL UTILITY DISTRIBUTION, BY PRAIRIE LAND ELECTRIC.
  - (3) #30 KCMIL IN 2" CONDUIT. COORDINATE EXACT ROUTING WITH LOCAL POWER COMPANY PRIOR TO COMMENCING WORK.
  - PROVIDE AND INSTALL UTILITY APPROVED METER SOCKET. COORDINATE RESPONSIBILITIES AND PAY ALL FEES. CENTERLINE OF METER SOCKET SHALL BE 60'-56" AFF.
  - PROVIDE UTILITY APPROVED SLP JOINT FITTING WITH MINIMUM 1/2" OF TRAVEL. PROVIDE SLEEVE WHERE SERVICE LATERAL EXTENDS THROUGH PAVED SURFACE.
  - #6 BARE COPPER WIRE TO 5/8" DIA. X 8' COPPER CLAD STEEL GROUND ROD. BOND ALL ITEMS IN ACCORDANCE WITH NEC 250.
  - (4) #30 KCMIL, #6, IN 2" CONDUIT
  - GROUNDING ELECTRODE CONDUCTOR TO COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR. SEE DETAIL 1.E6.2.
  - MOUNT METER AND DISCONNECT SWITCH TO METAL SUPPORT FRAME. PROVIDE CONCRETE BOLLARDS FOR PHYSICAL PROTECTION. COORDINATE REQUIREMENTS WITH G.C.
  - SDS - 200A/3P SERVICE ENTRANCE RATED DISCONNECT SWITCH WITH SOLID NEUTRAL AND (3) 200A DUAL-ELEMENT, TIME-DELAY CLASS RK1 FUSES IN NEMA 3R ENCLOSURE. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT - CLYDE COMMUNITY HALL'.
  - ROUTE (2) 2" CONDUITS FROM ADJACENT TO SERVICE DISCONNECT SWITCH INTO BASEMENT FOR FUTURE. PROVIDE ALL SPARE CONDUITS WITH FULL ROME. LABEL BOTH ENDS TO IDENTIFY FUNCTION.

- NOTES:**
- COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR SHALL BE 1/4" THICK X 4" WIDE X 24" LONG, TIN PLATED COPPER BUSBAR. PROVIDE COMPLETE WITH INSULATED STAND OFFS, STAINLESS STEEL BRACKETS AND MOUNTING BOLTS. MOUNT ON WALL AT 18" AFF. ERICO #EGBA144ZACCT OR EQUAL. GROUND BAR SHALL BE LISTED FOR EXTERIOR USE.
  - ALL CONNECTIONS TO GROUNDING BUSBAR SHALL BE MADE USING COMPRESSION TYPE LUGS (BURNDY 'YAZ' SERIES OR EQUAL). MECHANICAL LUGS ARE NOT ACCEPTABLE.
  - INSTALL ALL GROUNDING ELECTRODE CONDUCTORS IN 3/4" CONDUIT WHERE EXPOSED AND WHERE SUBJECT TO PHYSICAL DAMAGE.
  - CONTRACTOR SHALL MEASURE RESISTANCE TO GROUND AND PROVIDE ADDITIONAL GROUND ROD OR PLATE ELECTRODES AS REQUIRED UNTIL A RESISTANCE TO GROUND OF 25 OHMS OR LESS IS ACHIEVED.

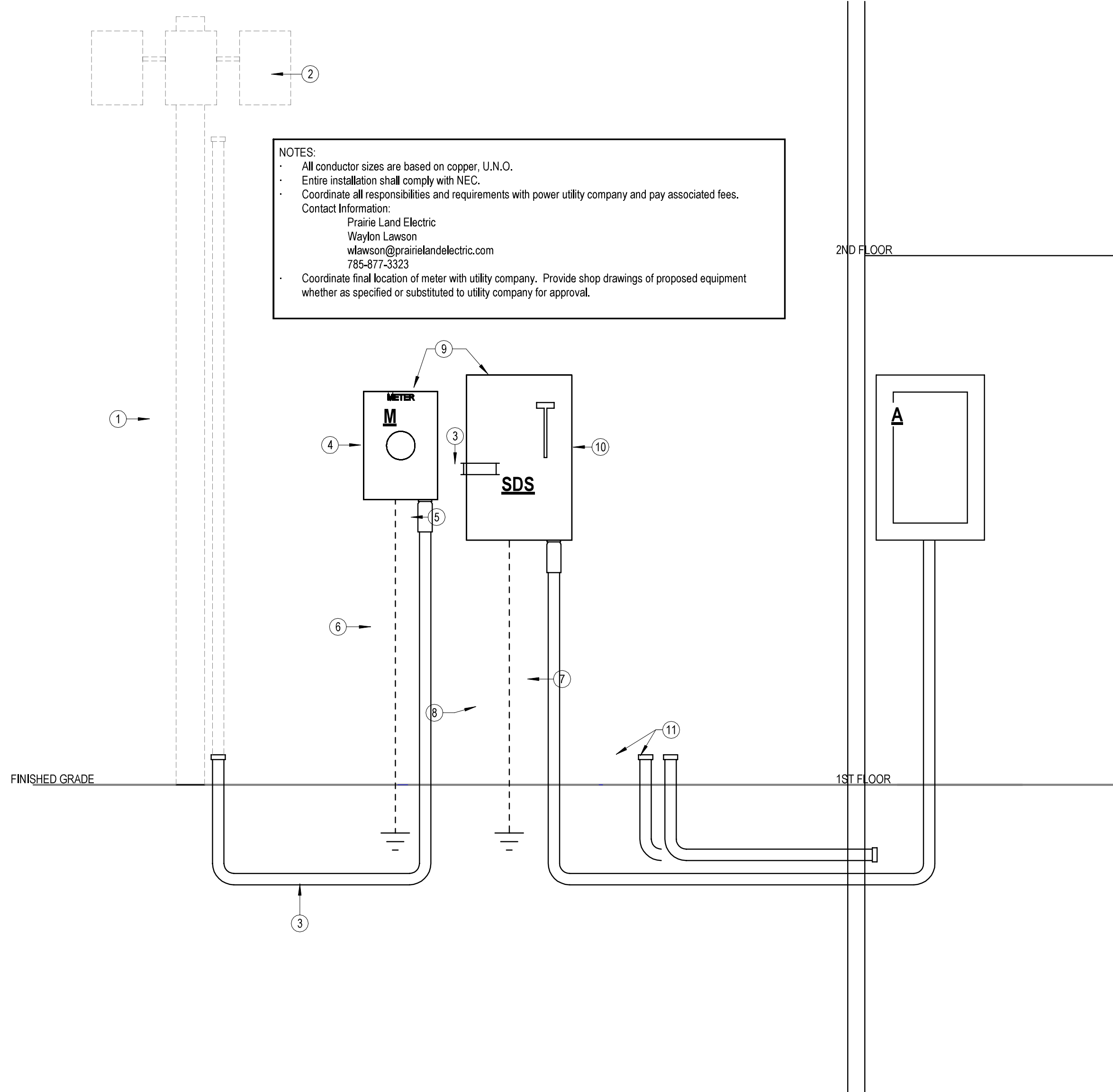
- NOTES:**
- TELECOMMUNICATIONS GROUNDING BUSBARS SHALL BE 1/4" THICK, ELECTRO-TIN PLATED COPPER BUSBARS, COMPLETE WITH INSULATED STAND-OFFS AND STAINLESS STEEL BRACKETS AND MOUNTING BOLTS. MOUNT TO COMMUNICATIONS BACKBOARD AT 18" AFF.  
 TMGB: 4" W x 15-1/2" L, ERICO #TMGBA16L19PT
  - ALL GROUNDING / BONDING CONDUCTORS SHALL BE #4 AWG INSULATED STRANDED COPPER. INSTALL IN 3/4" CONDUIT WHERE EXPOSED AND WHERE SUBJECT TO PHYSICAL DAMAGE.
  - ALL CONNECTIONS TO TELECOM GROUNDING BUSBARS SHALL BE MADE USING COMPRESSION TYPE LUGS (BURNDY 'YAL' SERIES OR EQUAL). MECHANICAL LUGS ARE NOT ACCEPTABLE.



**3 COMMUNICATIONS GROUNDING DETAIL**  
 NO SCALE



**2 ELECTRIC SERVICE GROUNDING DETAIL**  
 NO SCALE



**1 ELECTRIC SERVICE RISER DIAGRAM**  
 3/4" = 1'-0"