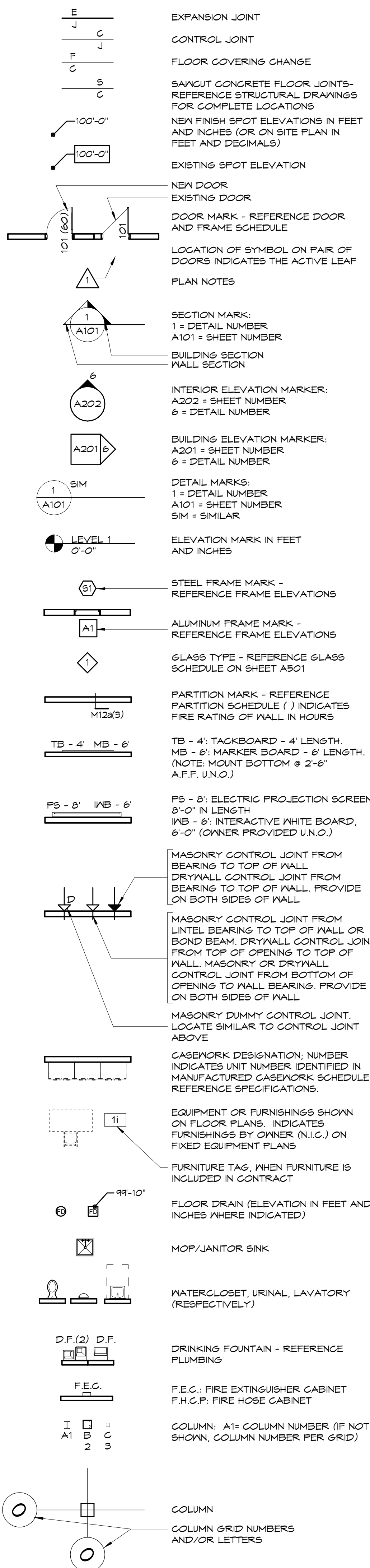


SCHOOL AG SHOP ADDITION

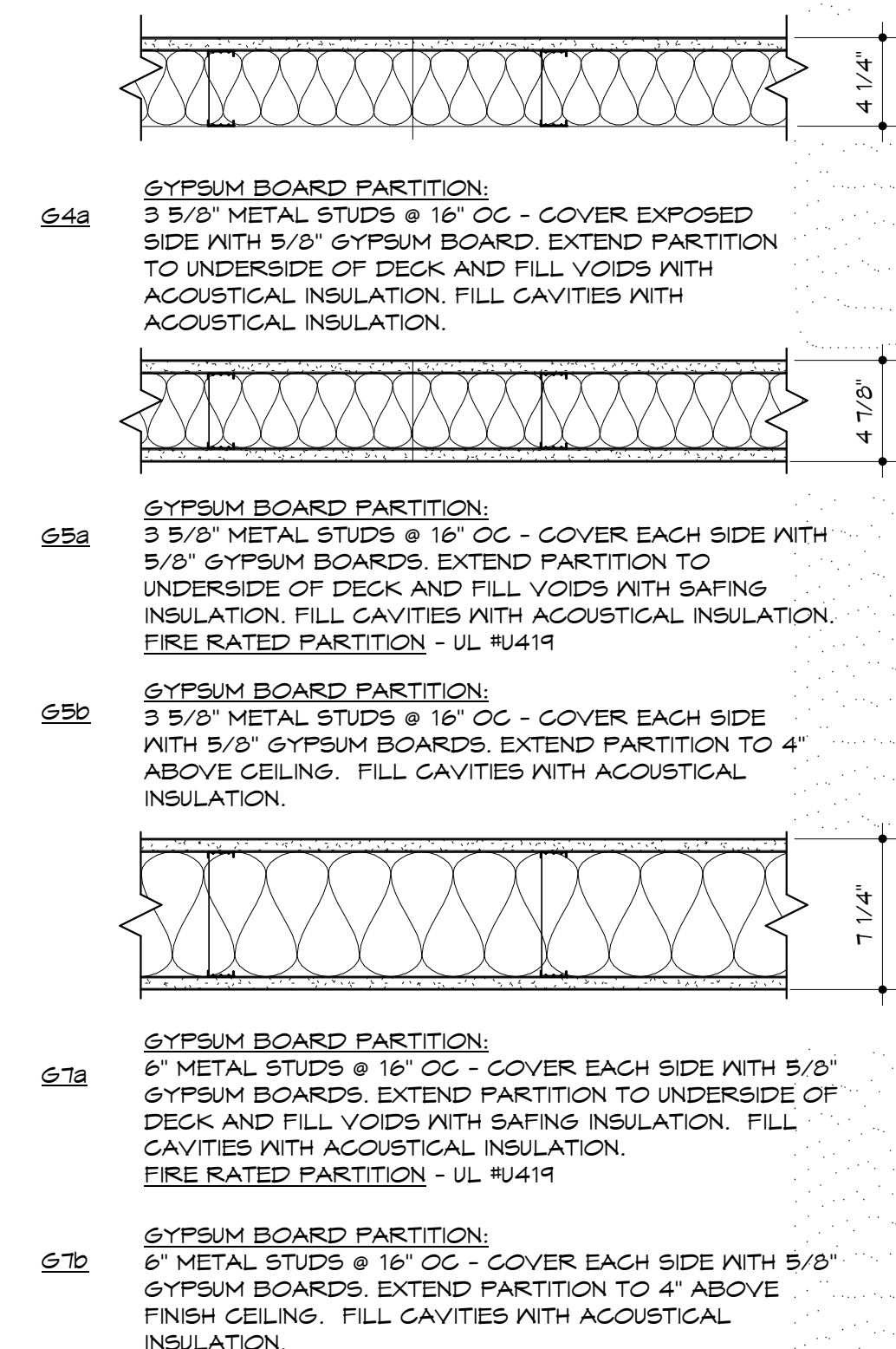
GRAPHIC SYMBOLS



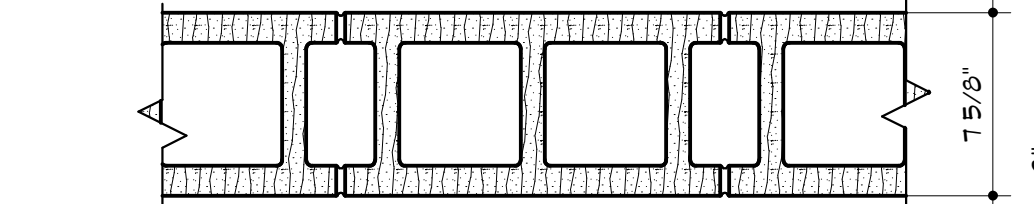
Note: REF. SITE PLAN LEGEND, ROOF PLAN LEGEND AND CEILING PLAN LEGEND FOR ADDITIONAL NOTES AND LEGENDS.

PARTITION TYPES & SCHEDULE

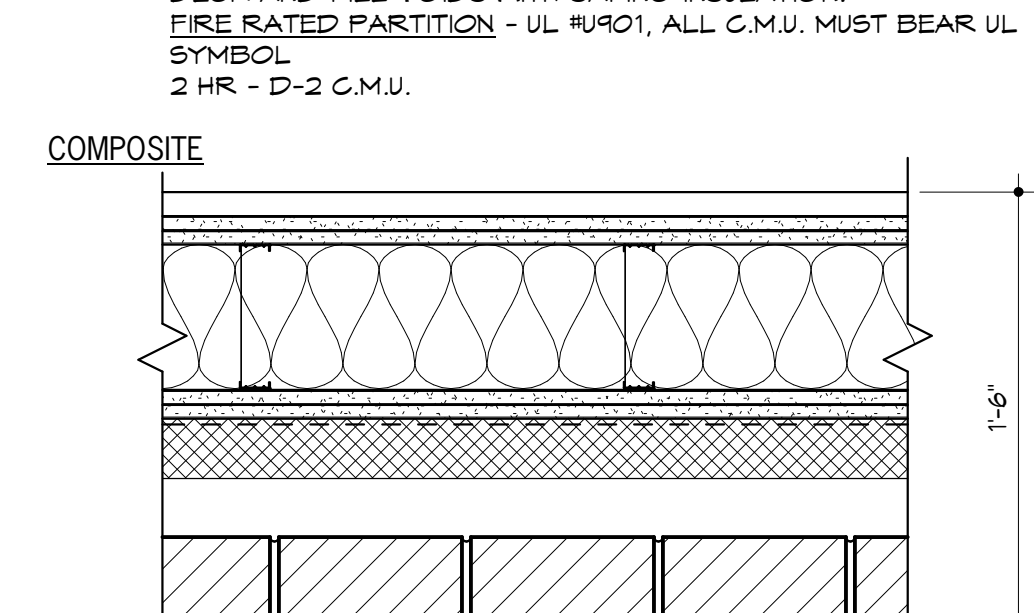
GYP SUM



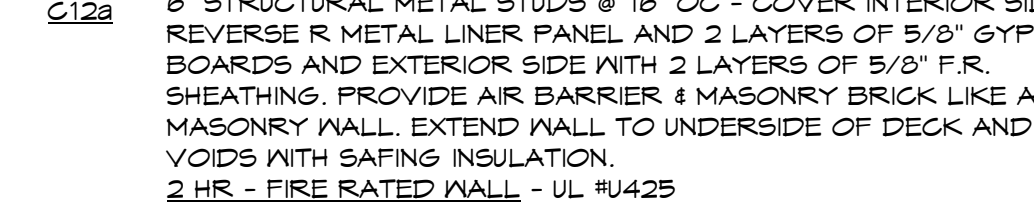
MASONRY



M8a



5



PARTITION SCHEDULE NOTES

GYP SUM BOARD GENERAL NOTES

- 1 UNLESS NOTED OTHERWISE, EXTEND GYP/SUM BOARD TO BOTTOM OF DECK.
- 2 REFER TO SPECIFICATIONS SECTIONS 094000 AND 092216 FOR ADDITIONAL REQUIREMENTS.
- 3 UNLESS NOTED OTHERWISE, PROVIDE 4" ACOUSTICAL INSULATION IN ALL PARTITIONS.
- 4 FRAME AROUND DUCTWORK, BACK BRACE AS REQUIRED FOR STABILITY.
- 5 REFER TO HOLLOW METAL FRAME DETAILS FOR ADDITIONAL DETAIL REQUIREMENTS.

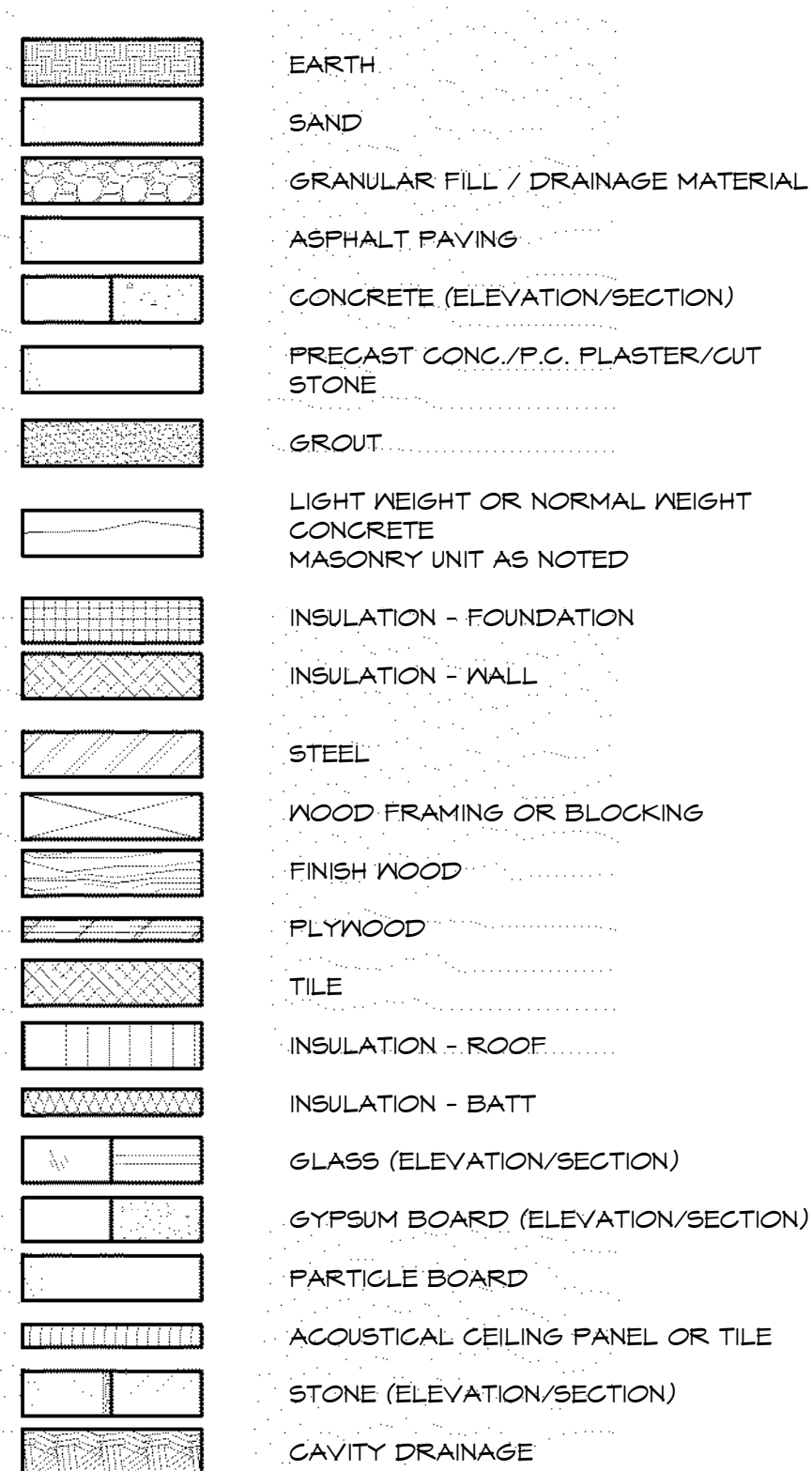
6 EXTEND STUDS TO TOP RUNNER ATTACHED TO STRUCTURE ABOVE,

- TO STRUCTURE AS NECESSARY TO KEEP STABLE THE PARTITIONS.
- 7 REFER TO COLUMN DETAILS FOR ADDITIONAL DETAIL REQUIREMENTS
- 8 REFER TO FINISH SCHEDULE FOR WALL FINISH.
- 9 ALL PENETRATIONS THROUGH GYPSUM BOARD PARTITIONS EXPOSED TO VIEW WILL BE TRIMMED NEAT AND TRUE AND SEALED.
- 10 WHEN PARTITION EXTENDS TO STEEL BEAM ABOVE, WALL VOIDS BETWEEN DECK AND TOP OF STEEL BEAM WITH ACOUSTICAL INSULATION.
- 11 WHERE JOISTS PENETRATE PARTITIONS EXTENDING TO STRUCTURE, WALL PARTITIONS SHALL BE CLEAR OF JOIST TO ALLOW FOR DEFLECTION AND WALL VOID WITH ACOUSTICAL INSULATION.

MASONRY GENERAL NOTES

- 1 ALL WALLS TO HAVE STANDARD JOINT REINFORCING 1-4 O.C. MAX.
- 2 REFER TO FRAME DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAIL REQUIREMENTS.
- 3 REFER TO DIVISION 4 SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENTS.
- 4 REFER TO DETAILS ON ARCHITECTURAL DETAIL DRAWINGS FOR ADDITIONAL DETAIL REQUIREMENTS.
- 5 REFER TO FINISH SCHEDULE FOR WALL FINISH.

MATERIALS



GENERAL NOTES

- 1) GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN SPECIFICATIONS AND DRAWINGS, BETWEEN MULTIPLE SPECIFICATIONS AND/OR BETWEEN MULTIPLE DRAWINGS. THE ARCHITECT WILL DETERMINE WHICH SHALL GOVERN.
- 2) GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING UTILITIES AND EXISTING STRUCTURES PRIOR TO BEGINNING WORK, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- 3) GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION INCLUDING ALL SHORING & BRACING REQUIRED TO RESIST REQUIRED VERTICAL AND HORIZONTAL FORCES.
- 4) ALL ARCHITECTURAL FLOOR PLAN DIMENSIONS ARE FROM FACE OF CONCRETE, MASONRY AND FINISHED DRYWALL.
- 5) MASONRY DIMENSIONS ARE FROM UNFINISHED TO THE INSIDE.
- 6) MASONRY PARTITIONS ARE TYPE MCM UNLESS INDICATED OTHERWISE.
- 7) ALL INTERIOR CONCRETE, MASONRY PARTITIONS AND ALL MASONRY BACK-UP FOR EXTERIOR WALLS ARE UP UNLESS NOTED OTHERWISE.
- 8) HORIZONTAL MASONRY DIMENSIONS FROM OUTSIDE TO OUTSIDE CORNERS ARE ACTUAL. WHEN DIMENSIONS ARE 2'-0" OR LESS, CONSTRUCT ONE JOINT LESS THAN DIMENSION SHOWN.
- 9) GYPSUM BOARD PARTITIONS ARE TYPE G58 UNLESS INDICATED OTHERWISE.
- 10) GENERAL CONTRACTOR SHALL PROVIDE 3/4" HIGH CONCRETE CURBS AT ALL ELECTRICAL PANELS AND WHERE 2 OR MORE CONDUITS ARE EXPOSED AT THE FLOOR LINE.
- 11) MECHANICAL/ELECTRICAL CONTRACTOR SHALL SIZE AND GENERAL CONTRACTOR SHALL FORM, DOWEL AND POUR INTERIOR AND EXTERIOR REINFORCED MECHANICAL AND ELECTRICAL EQUIPMENT (3/4" AT INTERIOR LOCATIONS AND 5/8" AT EXTERIOR LOCATIONS UNLESS INDICATED OTHERWISE). REFER TO GENERAL PROVISIONS OF MECHANICAL SPECIFICATIONS FOR MINIMUM DIMENSIONS UNLESS INDICATED OTHERWISE, REINFORCE WITH 4X4" OR 4X6X4X4 W/MP.
- 12) NO WALL FINISH OTHER THAN PLASTER IS REQUIRED BEHIND CABINETS, SHOWERBOARDS, TACKBOARDS, ETC. UNLESS WALL BEHIND IS EXPOSED TO VIEW AND/OR WHERE NOTED OTHERWISE.

- 3) PROVIDE WALL BASE AT ALL CABINETS, SHELVING AND COLUMNS; AND AS SPEC'ED.
- 14) PROVIDE OPENINGS (REF. STRUCTURAL AND MISC. LINE SCHEDULE) FOR ALL FINISHES IN MASONRY WALLS FOR FIRE EXTINGUISHER CABINETS, LOUVERS, GRILLES, DOORS, ETC.
- 15) CONTINUE CONTROL JOINTS, INCLUDING SEALANTS, ABOVE CEILING ELEVATIONS FOR FULL HEIGHT OF WALL OR PARTITION.
- 16) CONSTRUCT ALL MASONRY PARTITIONS THAT EXTEND TO THE UNDERSIDE OF STRUCTURE WITH A 3/4" CLEARANCE AROUND ALL STRUCTURE AND FILL VOIDS WITH SAFFIN INSULATION, UNLESS NOTED OTHERWISE.
- 17) PROVIDE 2X6 FIRE-RETARDANT TREATED BLOCKING IN GYPSUM BOARD PARTITIONS BEHIND GASQUEL BLOCK AT TOP OF BASE UNITS, TOP 1' BOTTOM OF WALL UNITS, TOP AND MID-HEIGHT OF TALL UNITS. PROVIDE 2X6 FIRE-RETARDANT TREATED BLOCKING IN GYPSUM BOARD PARTITIONS BEHIND DOOR STOPS, WALL-MOUNTED SHELVING, WALL-MOUNTED TV'S AND OTHER LOCATIONS AS SPECIFIED OR NOTED. CUT TO FIT SMOOTHLY BETWEEN STUDS 3' KERP AT STUD FLANGES TO FIT FIRMLY TO BACK OF DRYWALL.
- 18) REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR REINFORCING STEEL IN MASONRY WALLS AND POURED CONCRETE.
- 19) REFER TO CODE COMPLIANCE PLANS FOR FIRE RATINGS OF PARTITIONS AND BARRIERS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF PARTITIONS AND BARRIERS TO COMPLY WITH RATINGS INDICATED.
- 20) PROVIDE PART FINISH ON ALL EXPOSED BARE, PRIMED, OR GALVANIZED STEEL SURFACES ON BUILDING EXTERIOR AND SITE ELEMENTS. PART TYPE SHALL BE COMPATIBLE WITH SUBSTRATE IF NOT INDICATED OTHERWISE. PART SPECIFICATIONS SHALL BE AS NOTED.

ABBREVIATIONS

NOTE: REFER TO SPECIFICATIONS FOR ADDITIONAL ABBREVIATIONS OF REFERENCED STANDARDS, AS WELL AS CONSTRUCTION SPECIFICATION INSTITUTE, UNIFORM DRAWINGS SYSTEM, REGULATORY AGENCIES, ASSOCIATIONS AND OTHERS.

[illegible]

KEYNOTES

Note: Keynotes are drawn from a master list & may not be sequentially numbered. Sizes (Ex: 2x4) or other info. following keynote on drawings indicates criteria for those materials/locations which may differ from the std. material specified.

03500001	CONCRETE STRUCTURE	081115	1	HOLLOW METAL DOOR
03500002	CONCRETE SLAB		1	CONCRETE FRAME
03500003	VAPOR BARRIER		3	FRAME ANCHOR
03500004	WALL FINISH FABRIC		3	FRAME ANCHOR
03500005	STEEL REINFORCING BAR		5	FLASTER GROUT
03500006	RUSTIGATION JOINT	053610	1	FLUSH NOOD DOOR
03500007	JOINT ANCHOR	053610	1	FLUSH NOOD DOOR
03500008	10 PREMOILED JOINT		2	EXTRUSIONAL OVERHEAD DOOR
03540001	PRECAST CONCRETE		2	DOOR TRACK
03540002	PRECAST CONCRETE SILL	044110	1	NEATHSTRIPPING
03540003	PANEL		1	DOOR
03540004	STEEL EMBEDDING ANGLE		1	ALUMINUM STROKE/RAFT FRAME
03540005	STEEL ANGLE		4	FLASHING
03540006	DARK SLUG		8	ANCHOR
03540007	STEEL ANGLE		8	ANCHOR
04200001	FACE BRACK	080300	1	ANCHOR DOOR AND FRAME GLAZING (AS SCHEDULED)
04200002	FACE BRACK		1	ANCHOR DOOR AND FRAME GLAZING (AS SCHEDULED)
04200003	JOINT LIGHT-UNITING	042210	1	ANCHOR DOOR AND FRAME GLAZING (AS SCHEDULED)
04200004	WIRE REINFORCING		1	STEEL STUD (N)
04200005	STEEL ANGLE		3	STEEL STUD (N)
04200006	THROUGH WALL FLASHING	042300	1	FURRING CHANNEL
04200007	STEEL JOINT STRIP		1	STEEL STUD (N)
04200008	BOND BEAM (I)		2	FIRE RATED Gypsum BOARD (I)
04200009	COMPRESSIBLE FILLER		1	INSULATION
04200010	EXPOSED JOINT		1	INSULATION
04200011	CASTY DRAINAGE		1	INSULATION
04200012	TERMINATION BAR		5	ACUSTICAL INSULATION
04200013	STEEL BEAMS		1	ACUSTICAL INSULATION
04200014	STEEL BEAMS		1	ACUSTICAL INSULATION
04200015	STEEL TIE		1	ACUSTICAL INSULATION
04200016	STEEL CHANNEL		1	ACUSTICAL INSULATION
04200017	METAL DECKING		1	ACUSTICAL INSULATION
04500001	STRUCTURAL STEEL	045110	1	ACUSTICAL INSULATION
04500002	STEEL ANGLE	045110	1	ACUSTICAL INSULATION
04500003	STEEL CHANNEL		1	ACUSTICAL INSULATION
04500004	STEEL LINTEL		1	ACUSTICAL INSULATION
04500005	STEEL PIPE		1	ACUSTICAL INSULATION
04500006	STEEL TIE		1	ACUSTICAL INSULATION
04500007	STEEL PLATE		1	ACUSTICAL INSULATION
04500008	STEEL PLATE		1	ACUSTICAL INSULATION
04500009	METAL STAIR STAIRS	045910	1	ACUSTICAL INSULATION
04500010	METAL STAIR STRINGER		1	ACUSTICAL INSULATION
04500011	METAL EMBEDDED PLATE		1	ACUSTICAL INSULATION
04500012	BEAM		1	ACUSTICAL INSULATION
04500013	BEAM		1	ACUSTICAL INSULATION
04500014	QUADRANT		1	ACUSTICAL INSULATION
04500015	HOLLOW WALL	045910	1	ACUSTICAL INSULATION
04500016	QUADRANT		1	ACUSTICAL INSULATION
04500017	HOLLOW WALL	045910	1	ACUSTICAL INSULATION
04500018	QUADRANT		1	ACUSTICAL INSULATION
04500019	HOLLOW WALL	045910	1	ACUSTICAL INSULATION
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04500023	HOLLOW WALL	045910	1	ACUSTICAL INSULATION
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04500045	HOLLOW WALL	045910	1	ACUSTICAL INSULATION
04500046	QUADRANT		1	ACUSTICAL INSULATION
04500047	HOLLOW WALL	045910	1	ACUSTICAL INSULATION
04500048	QUADRANT		1	ACUSTICAL INSULATION
04500049	HOLLOW WALL	045910	1	ACUSTICAL INSULATION
04500050	QUADRANT</			

PROJECT CONTACTS

SHEET INDEX

INFORMATION

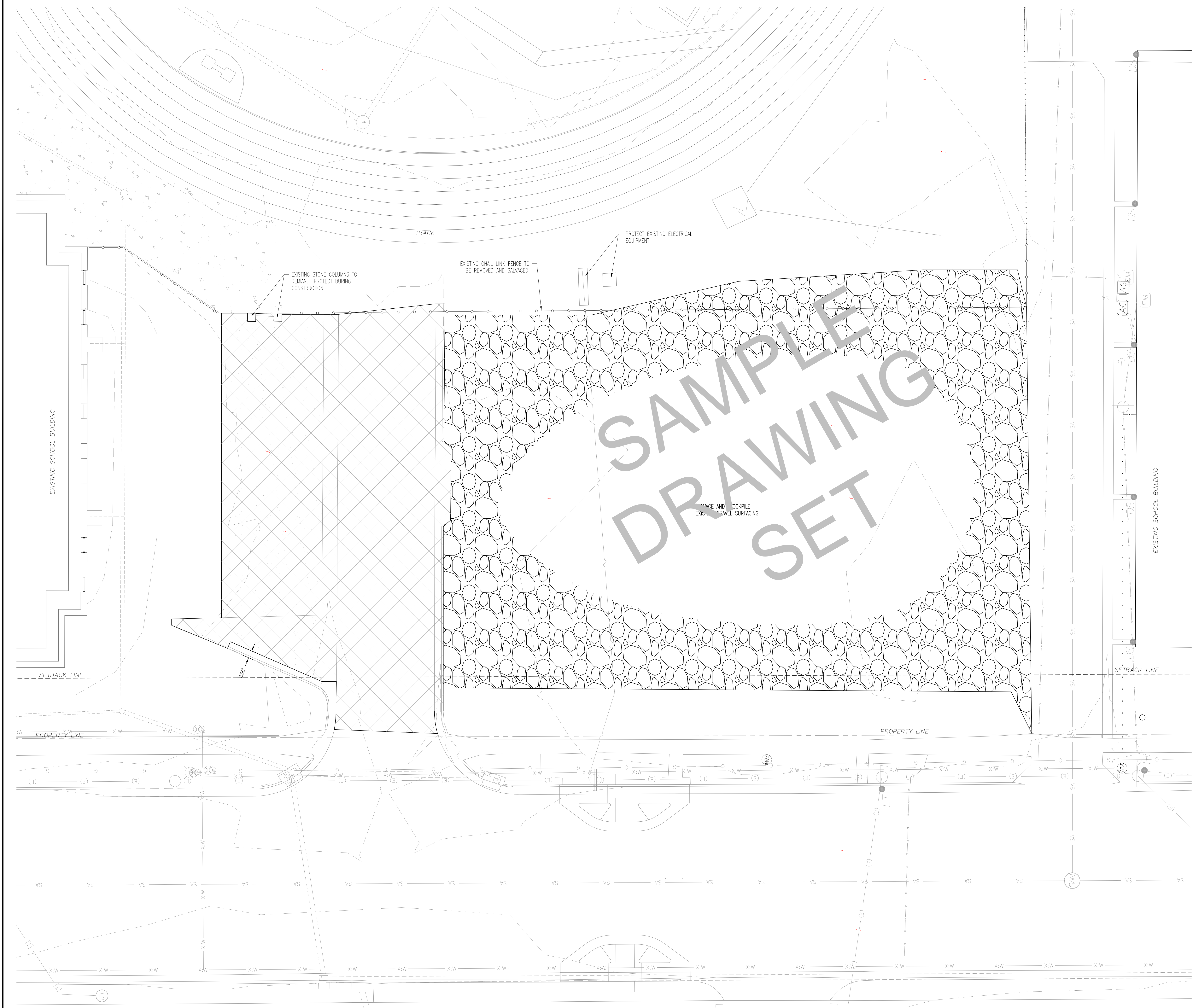
G101	TITLE SHEET
<u>SITE</u>	
C100	DEMOLITION PLAN
C200	SITE LAYOUT PLAN
C300	GRADING PLAN
C400	UTILITY PLAN
C500	CONSTRUCTION DETAILS
AS101	ARCHITECTURAL SITE PLAN
<u>ARCHITECTURAL</u>	

D101	DEMOL
A101	ARCHIT

A102	ENDRANGE 1 FOUR PLANS & PLAN DETAILS
A201	BUILDING ELEVATIONS & SECTIONS
A301	WALL SECTIONS
A302	WALL SECTIONS & DETAILS
A401	ROOF PLAN & DETAILS
A501	DOOR, FRAME, & WINDOW DETAILS
A502	DOOR, FRAME, & WINDOW DETAILS
A601	REFLECTED CEILING PLANS
FE101	FIXED EQUIPMENT PLANS & ELEVATIONS
FE201	SIGNAGE
<u>STRUCTURAL</u>	
S100	GENERAL NOTES
S101	FOUNDATIONS & FRAMING PLANS
S102	BIDGE & ELEVATOR ROOF FRAMING PLANS
S200	FOUNDATION SECTIONS
S300	FRAMING SECTIONS
S301	FRAMING SECTIONS
S400	MASONRY DETAILS

MEP

ME101	COVER SHEET
M101	PLUMBING PLANS
M102	PLUMBING SCHEDULES AND DETAILS
M201	HVAC PLANS
M202	HVAC SCHEDULE AND DETAILS
E101	POWER PLANS
E201	LIGHTING PLANS
E301	SPECIAL SYSTEMS PLANS
E401	ELECTRICAL SCHEDULES
E402	ELECTRICAL DETAILS



LEGEND

EXISTING PAVEMENT REMOVAL

EXISTING CURB REMOVAL

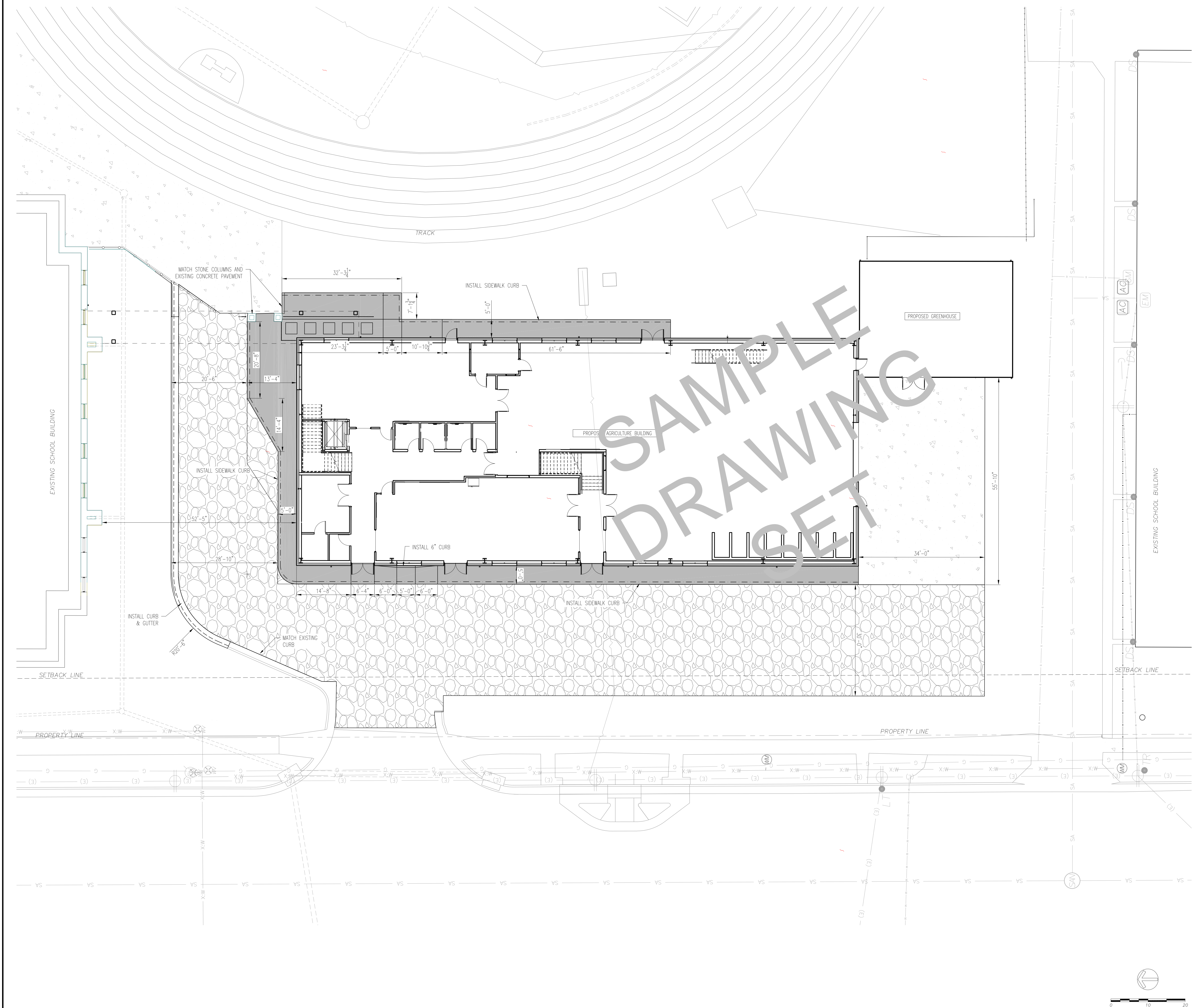
EXISTING TREE REMOVAL

STRUCTURE REMOVAL

DEMOLITION PLAN GENERAL NOTES:

1. REMOVAL LIMITS SHOWN HEREIN ARE APPROXIMATE AND SHOWN FOR INFORMATION ONLY. DETERMINE THE ACTUAL LIMITS REQUIRED TO FACILITATE ALL THE WORK SPECIFIED. CONTRACTOR SHALL FIELD VERIFY ACTUAL LIMITS OF PAVEMENT REMOVAL PRIOR TO NEW PAVEMENT INSTALLATION.
2. ALL TREES NOT SHOWN TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION.
3. ALL SHRUBS/BRUSH ON THE PROPERTY SHOULD BE CLEARED.
4. INSTALL ALL EROSION CONTROL MEASURES, PRIOR TO DEMOLITION WORK.
5. SAWCUT ALL LIMITS OF DEMOLITION WORK TO CLEAN, NEAT LINES. WHERE PRACTICAL, SAWCUT ALONG NEAREST APPROPRIATE PAVEMENT JOINT.
6. DISCONNECT/REMOVE AND CAP DESIGNATED UTILITIES WITHIN DEMOLITION AREAS. COORDINATE WITH APPROPRIATE UTILITY COMPANY OR CITY OF MARYSVILLE.
7. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES AND SHALL VERIFY LOCATIONS WITH APPROPRIATE UTILITY OR CITY.
8. REMOVE DEMOLISHED MATERIALS AND LEGALLY DISPOSE OFF-SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE PROPER WASTE SITES.
9. EXISTING GRAVEL SHALL BE SALVAGED AND STOCKPILED ON SITE TO BE USED FOR FINAL AGGREGATE SURFACING.
10. BACKFILL AND COMPACT DEPRESSIONS, OPEN PITS AND HOLES CAUSED AS A RESULT OF DEMOLITION. BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH EARTHWORK SPECIFICATIONS.
11. ALL EXISTING STRUCTURES AND EQUIPMENT NEAR OR WITHIN THE WORK AREA SHALL BE PROTECTED FROM DAMAGE RESULTING FROM DEMOLITION AND WORK ACTIVITIES UNTIL SUBSTANTIAL COMPLETION OF THE PROJECT.
12. TRAFFIC CONTROL DEVICES MUST CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND STANDARDS ESTABLISHED BY THE KANSAS DEPARTMENT OF TRANSPORTATION.

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN



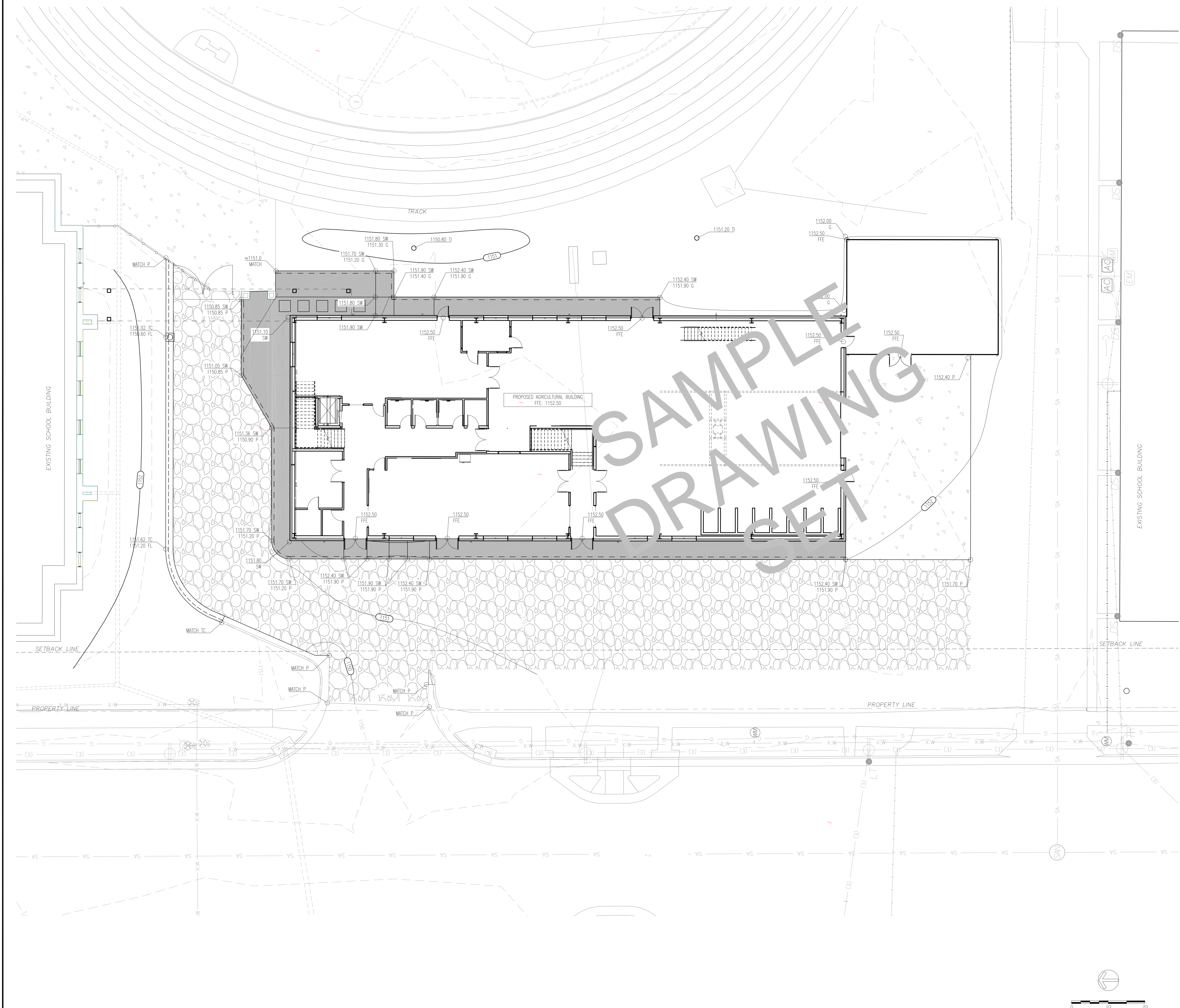
PROPOSED SURFACE LEGEND

	PROPOSED CURB & GUTTER
	PROPOSED 6" CONCRETE PAVEMENT
	PROPOSED CONCRETE SIDEWALK
	PROPOSED CONCRETE SIDEWALK WITH SIDEWALK CURB (SEE ARCH DETAILS)
	PROPOSED GRAVEL SURFACING

SITE PLAN GENERAL NOTES:

- THE EXISTING SITE INFORMATION IS SHOWN HEREON BASED ON A TOPOGRAPHIC SURVEY PROVIDED BY THE ARCHITECT. NO ADDITIONAL DATA WAS COLLECTED FOLLOWING CONSTRUCTION OF PREVIOUS ADDITION.
- THE CONTRACTOR SHALL FIELD VERIFY THE ACTUAL LOCATIONS, BURY DEPTHS AND SIZES OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. HE/SHE SHALL CONTACT THE NEBRASKA ONE-CALL SYSTEM A MINIMUM OF 72 HOURS PRIOR TO WORK TO REQUEST MARKING OF UTILITIES BY THE RESPECTIVE UTILITY OWNERS. HE/SHE SHALL DIRECTLY CONTACT ANY UTILITY OWNERS NOT SUBSCRIBING TO THE ONE-CALL SYSTEM. IMMEDIATELY REPORT TO THE ENGINEER ALL APPARENT DISCREPANCIES WHICH MAY ADVERSELY IMPACT THE EXECUTION OF THE WORK SHOWN OR SPECIFIED.
- CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE IMMEDIATE WORK SITE.
- ALL NEW CONSTRUCTION, PARKING, SIDEWALKS, AND RELATED FACILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
- ALL NEW WALKS, CURBS, PAVEMENTS, & SIMILAR IMPROVEMENTS SHALL MATCH FLUSH WITH EXISTING ADJACENT SURFACES, LINES, AND EDGES IN A CLEAN, NEAT, UNIFORM MANNER.
- ALL EXISTING BUILDINGS & STRUCTURES NEAR OR WITHIN WORK SHALL BE PROTECTED FROM DAMAGE RESULTING FROM CONSTRUCTION & CONTRACTOR'S ACTIVITIES UNTIL SUBSTANTIAL COMPLETION OF PROJECT.
- CONTRACTOR SHALL SEED, MULCH AND FERTILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE SPECIFICATIONS.

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN



LEGEND:

820 PROPOSED CONTOURS

820 EXISTING CONTOURS

PROPOSED SPOT ELEVATIONS

TC TOP OF CURB

TW TOP OF WALL

SW SIDEWALK, SURFACE

ME MATCH EXISTING

P TOP OF PAVEMENT

FL FLOWLINE

G GROUND ELEVATION

TI TOP OF INLET

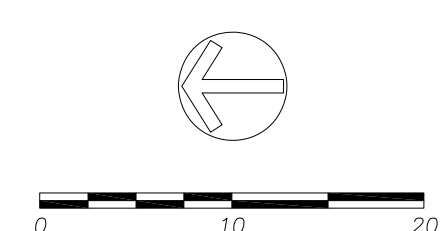
FFE FIRST FLOOR ELEVATION

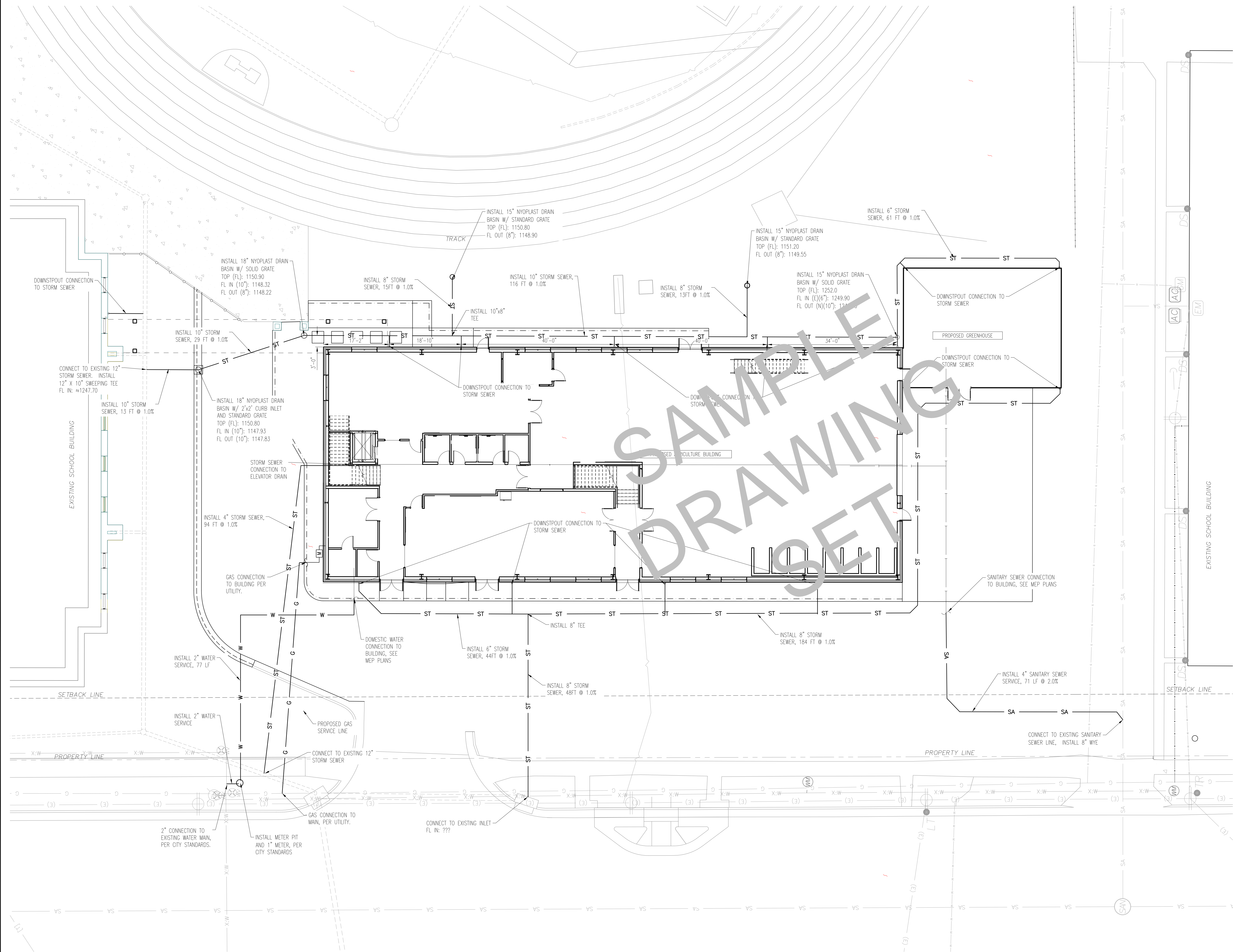
BLD BUILDING CORNER

GRADING NOTES:

- ALL GRADING AND EROSION CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- ALL TOPSOIL, VEGETATION, ROOT STRUCTURES, AND DELETERIOUS MATERIALS SHALL BE STRIPPED FROM THE GROUND SURFACE PRIOR TO THE PLACEMENT OF EMBANKMENTS. CONTRACTOR SHALL OBTAIN THE ON-SITE GEOTECHNICAL REPRESENTATIVE'S ACCEPTANCE OF THE EXISTING GROUND SURFACE MATERIALS AND THE PROPOSED FILL MATERIAL PRIOR TO THE PLACEMENT OF FILL.
- ALL PROPOSED CONTOUR LINES AND SPOT ELEVATIONS SHOWN ARE FINISH GROUND ELEVATIONS. CONTRACTOR SHALL ACCOUNT FOR PAVEMENT DEPTHS, BUILDING PADS, TOPSOIL, ETC WHEN GRADING THE SITE.
- ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED (GREEN SPACES) SHALL BE FINISH GRADED WITH A MINIMUM OF SIX INCHES OF TOPSOIL.
- ALL EXCAVATION AND EMBANKMENTS SHALL COMPLY WITH THE RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEER.
- PRIOR TO PLACING ANY CONCRETE OR ASPHALT PAVEMENT THE CONTRACTOR SHALL PERFORM A PROOF ROLL OF THE PAVEMENT SUB-GRADE WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK. THE PROOF ROLL SHALL BE CONDUCTED IN THE PRESENCE OF THE ON-SITE GEOTECHNICAL REPRESENTATIVE. AREAS THAT DISPLAY RUTTING OR PUMPING THAT ARE UNSATISFACTORY TO THE ENGINEER SHALL BE RE-WORKED AND A FOLLOW-UP PROOF ROLL SHALL BE CONDUCTED PRIOR TO ACCEPTANCE OF THE SUB-GRADE FOR PAVING. THE CONTRACTOR MAY, AT ITS OWN EXPENSE, STABILIZE THE SUB-GRADE USING CLASS C FLY ASH, LIME, OR AGGREGATE BASE MATERIALS.
- FINISH GRADES SHALL NOT BE STEEPER THAN 4:1.
- ALL GRADE AGAINST BUILDINGS SHALL BE 6" BELOW FINISH FLOOR UNLESS OTHERWISE SPECIFIED.

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN





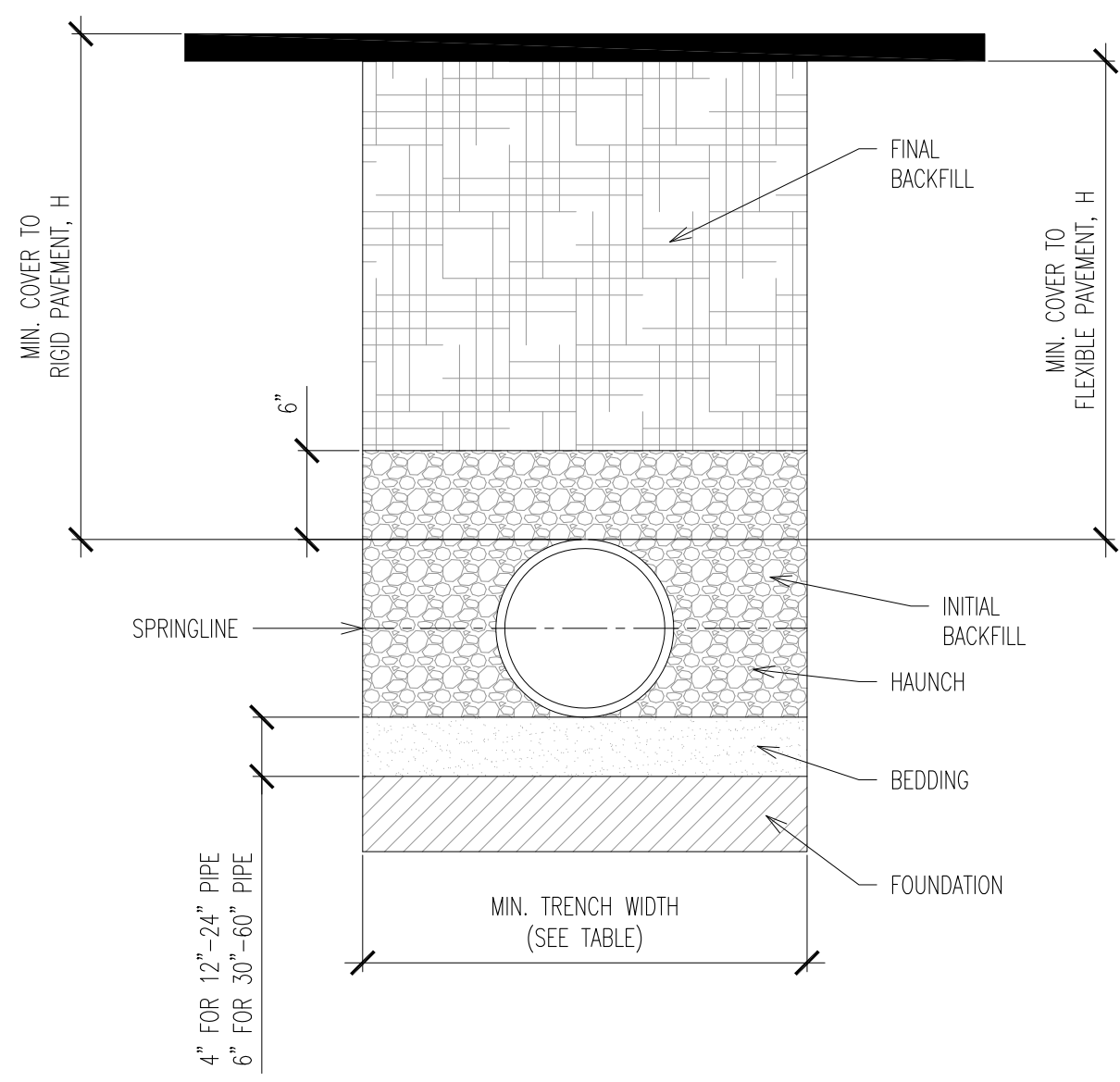
LEGEND

W	Proposed Water Line
X:W	Existing Water Line
F	Proposed Fire Supply Line
SA	Proposed Sanitary Sewer
SA	Existing Sanitary Sewer
ST	Proposed Stormwater Pipe
ST	Existing Stormwater Pipe
G	Proposed Gas Line
G	Existing Gas Line
(E)	Existing Overhead Electric
[T]	Existing Underground Telephone

SITE UTILITY NOTES:

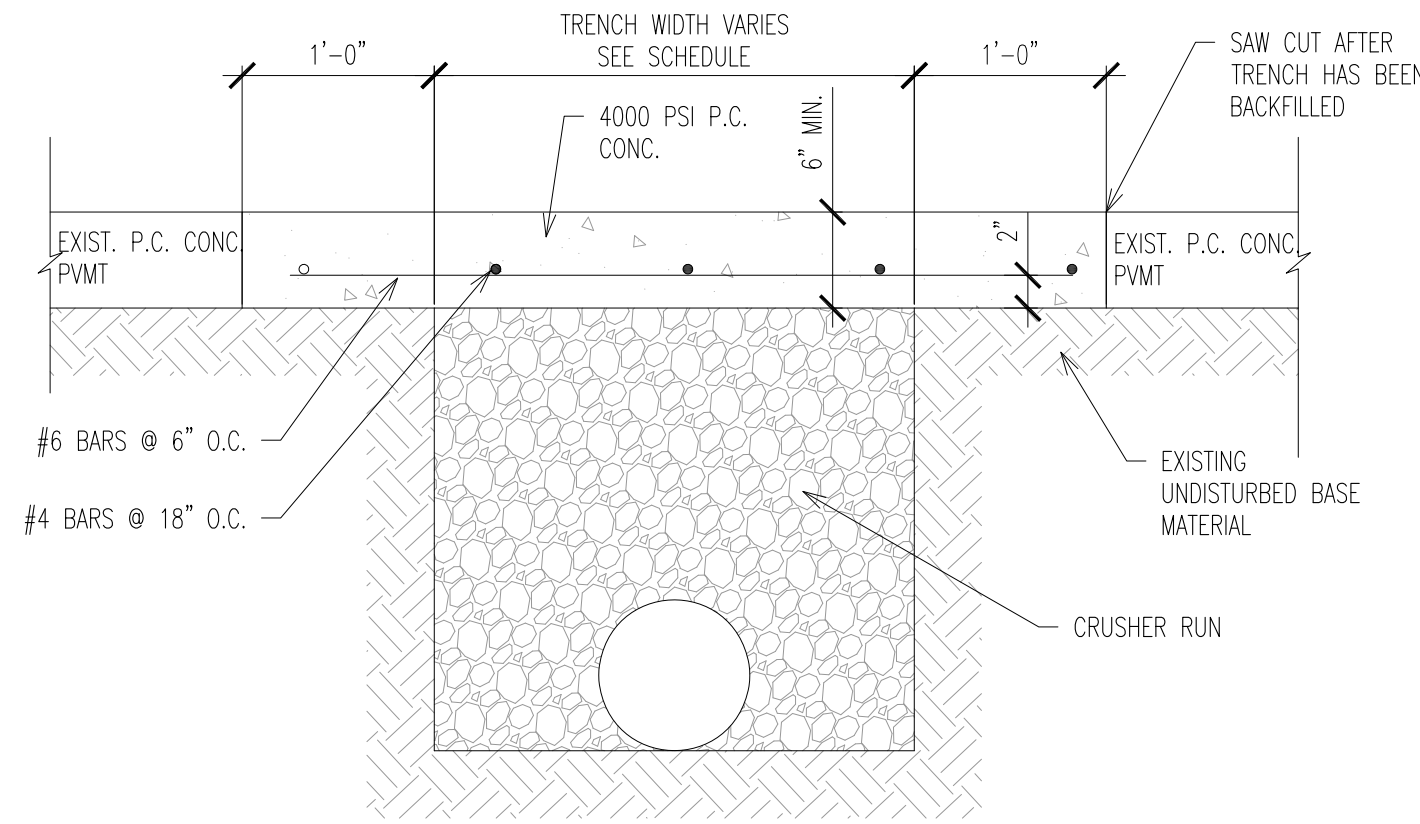
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUIRE EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH AND RELOCATE &/OR REMOVE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL CONSTRUCTION ON THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF WARREN, KANSAS TECHNICAL SPECIFICATIONS AND DESIGN CRITERIA.
- THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION AND ELEVATION OF THE EXISTING STORM SEWER LINES AND THE EXISTING ELEVATIONS AT LOCATIONS WHERE THE PROPOSED STORM SEWER COLLECTS OR RELEASES TO EXISTING GROUND. IF DISCREPANCIES ARE ENCOUNTERED FROM THE INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER. NO PIPES SHALL BE LAID UNTIL DIRECTION IS RECEIVED FROM THE DESIGN ENGINEER.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD ADJUST THE TOP OF ALL MANHOLES AND BOXES AS NECESSARY TO MATCH GRADE OF THE ADJACENT AREA. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE 6-INCHES ABOVE FINISHED GROUND ELEVATIONS IN NON-PAVED AREAS. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR MAKING FINAL ADJUSTMENTS TO THE MANHOLES AND BOXES.
- INLET LOCATIONS, HORIZONTAL PIPE INFORMATION AND VERTICAL PIPE INFORMATION IS SHOWN TO THE CENTER OF THE STRUCTURE. DEFLECTION ANGLES SHOWN FOR STORM SEWER PIPES ARE MEASURED FROM THE CENTER OF THE CURB INLETS AND MANHOLES. THE CONTRACTOR SHALL ADJUST THE HORIZONTAL LOCATION OF THE PIPES TO GO TO THE FACE OF THE BOXES.
- CONTRACTOR SHALL NOTIFY UTILITY AUTHORITIES INSPECTORS 48 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- ALL UNDERGROUND STORM, SANITARY, WATER AND OTHER UTILITY LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING. FAILURE TO HAVE INSPECTION APPROVAL PRIOR TO BACKFILL WILL CONSTITUTE REJECTION OF WORK.

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN

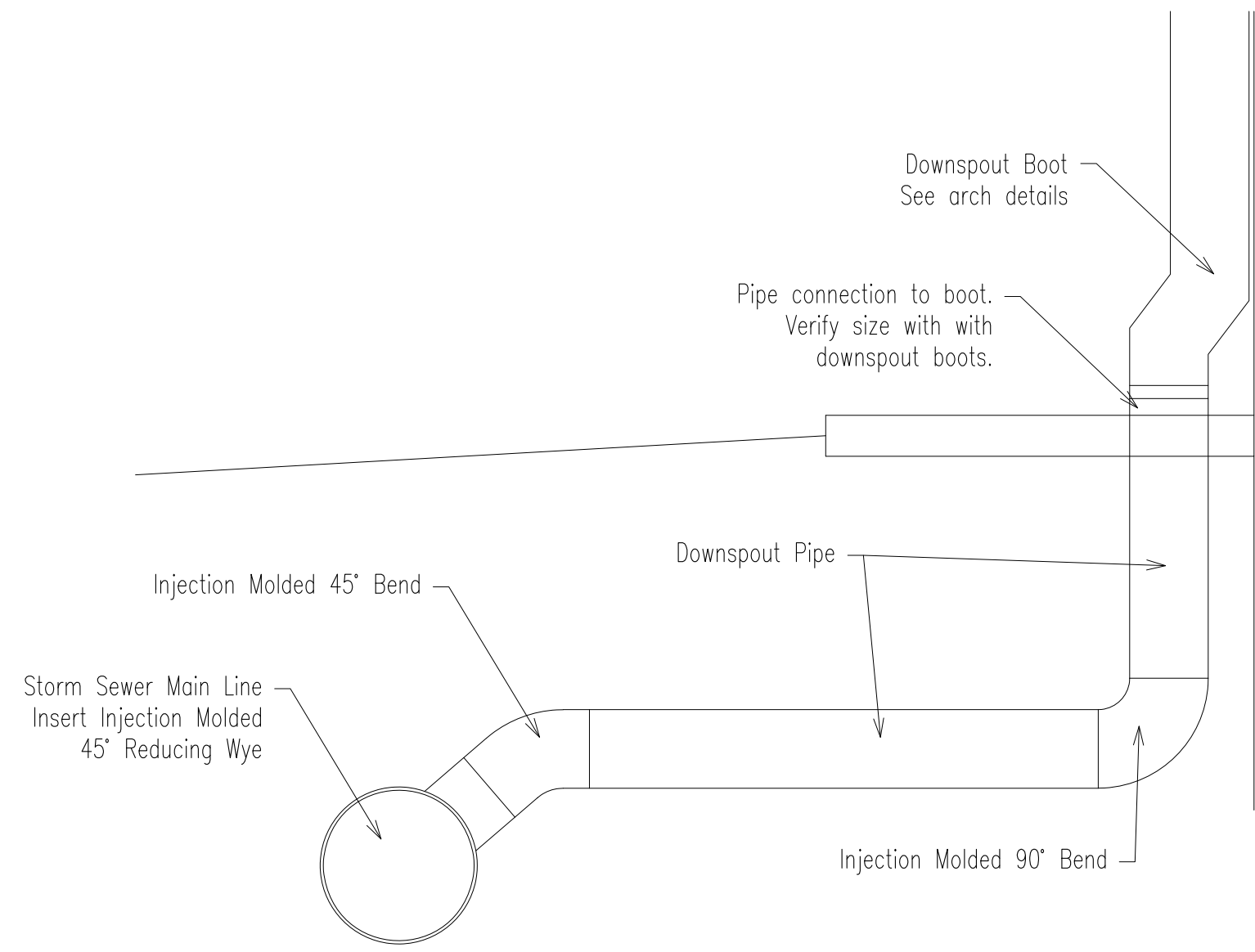


RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
54"	88"
60"	96"



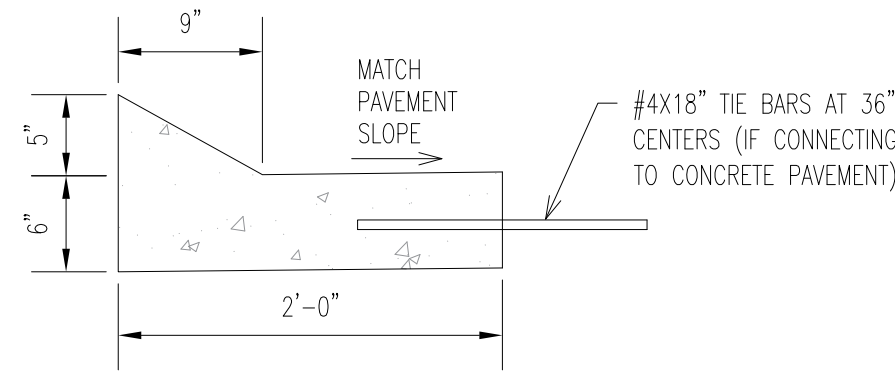
TYPICAL PERMANENT REPAIR
SECTION FOR P.C. CONC. PAVING
NOT TO SCALE



DOWNSPOUT CONNECTION
NOT TO SCALE

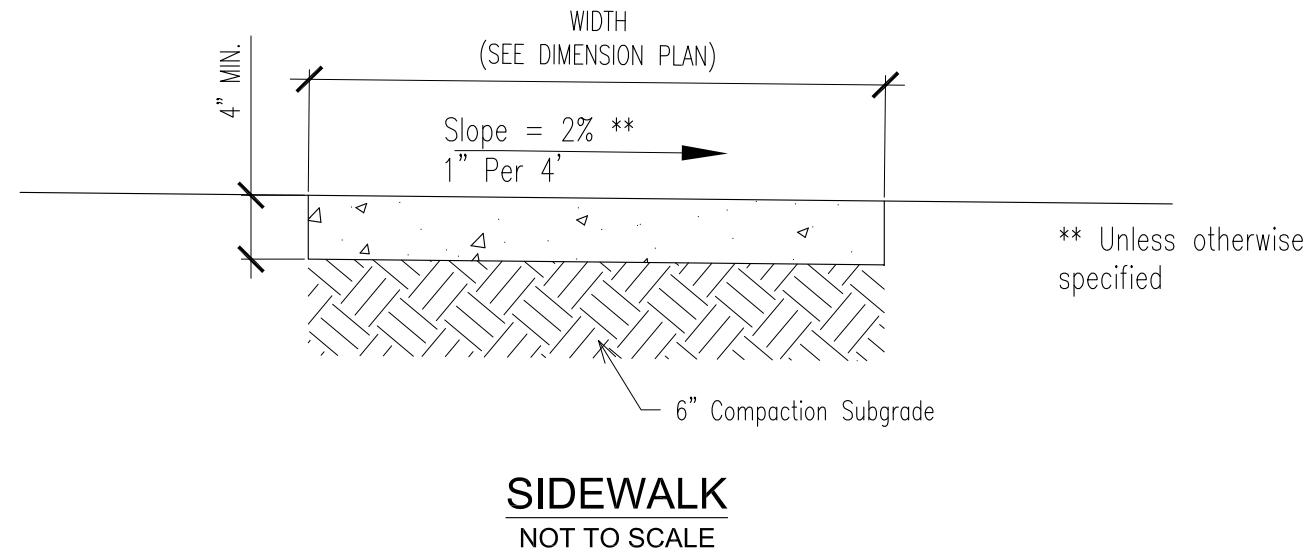
NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4"-24"; 6" FOR 30"-60".
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III. IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST ADDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54" -60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TOP OF RIGID PAVEMENT.

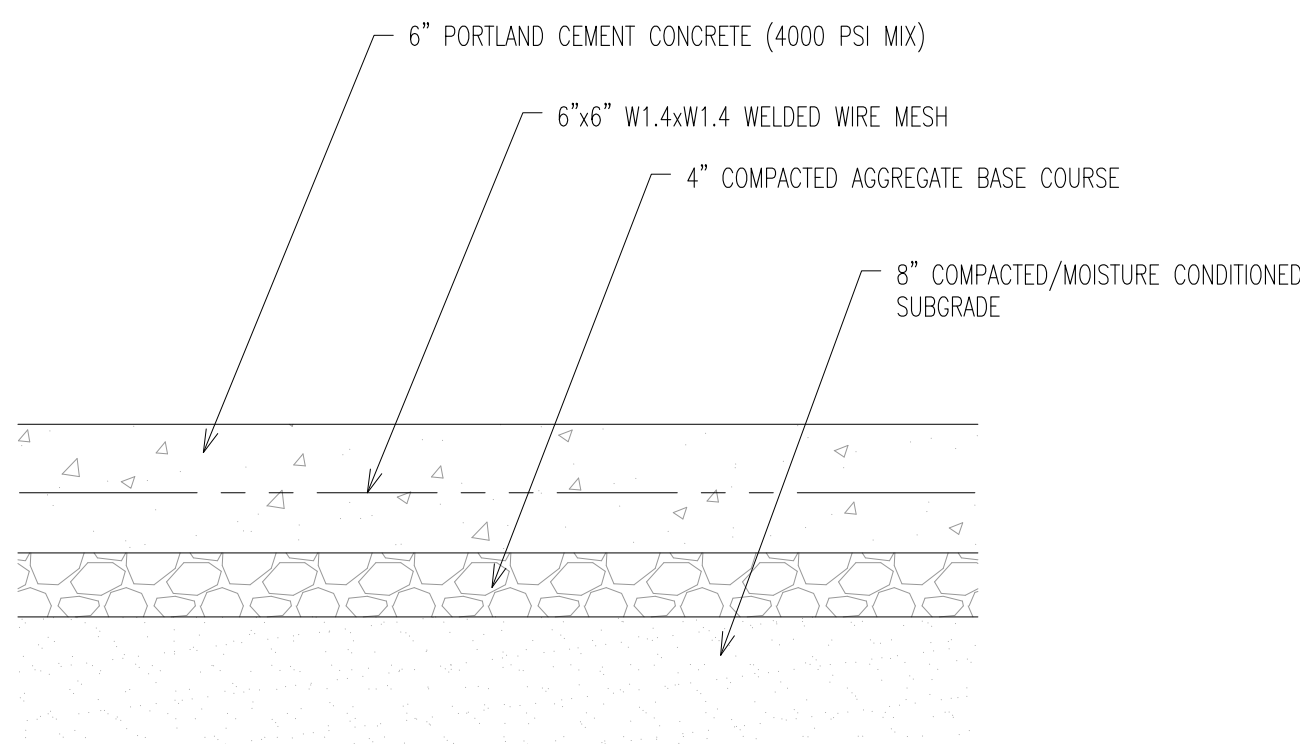


CONCRETE CURB & GUTTER

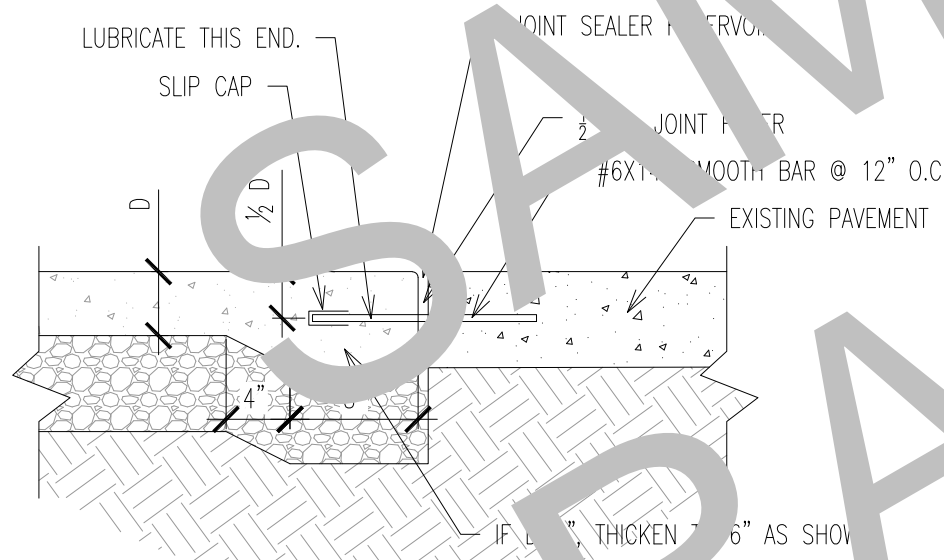
TYPICAL TRENCH DETAIL
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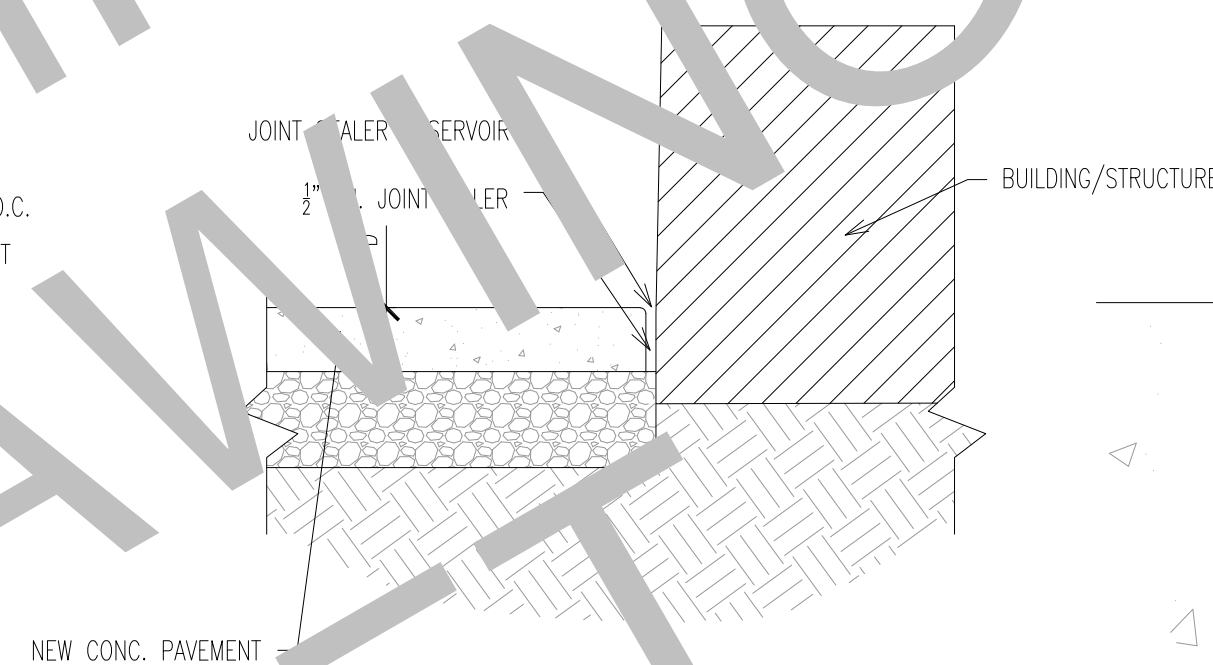
SIDEWALK
NOT TO SCALE



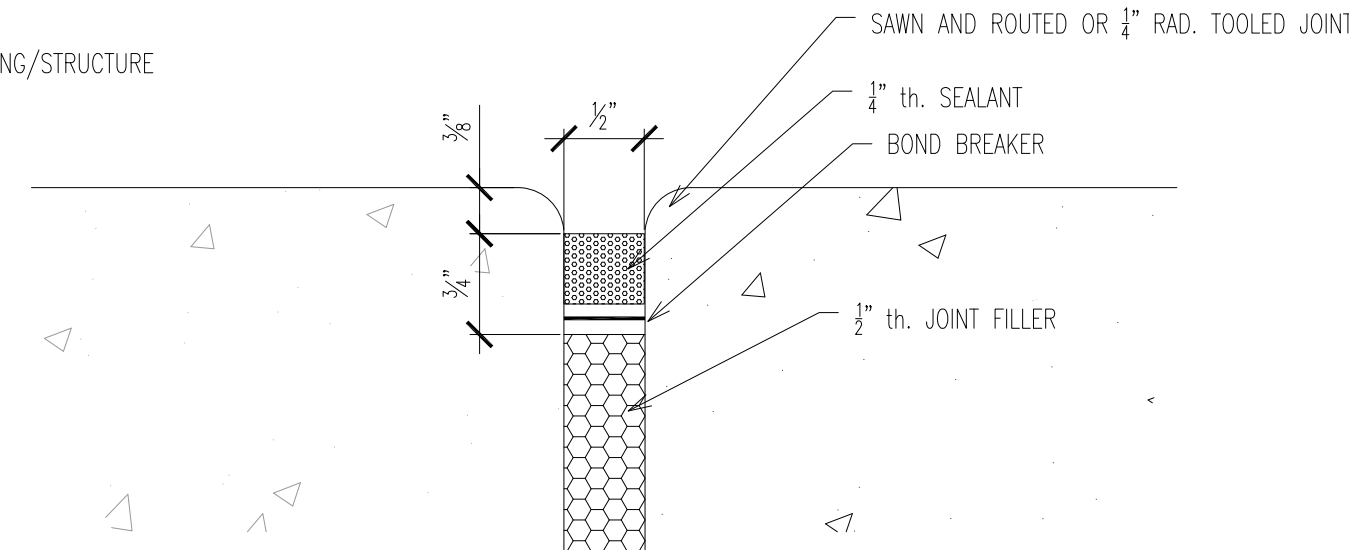
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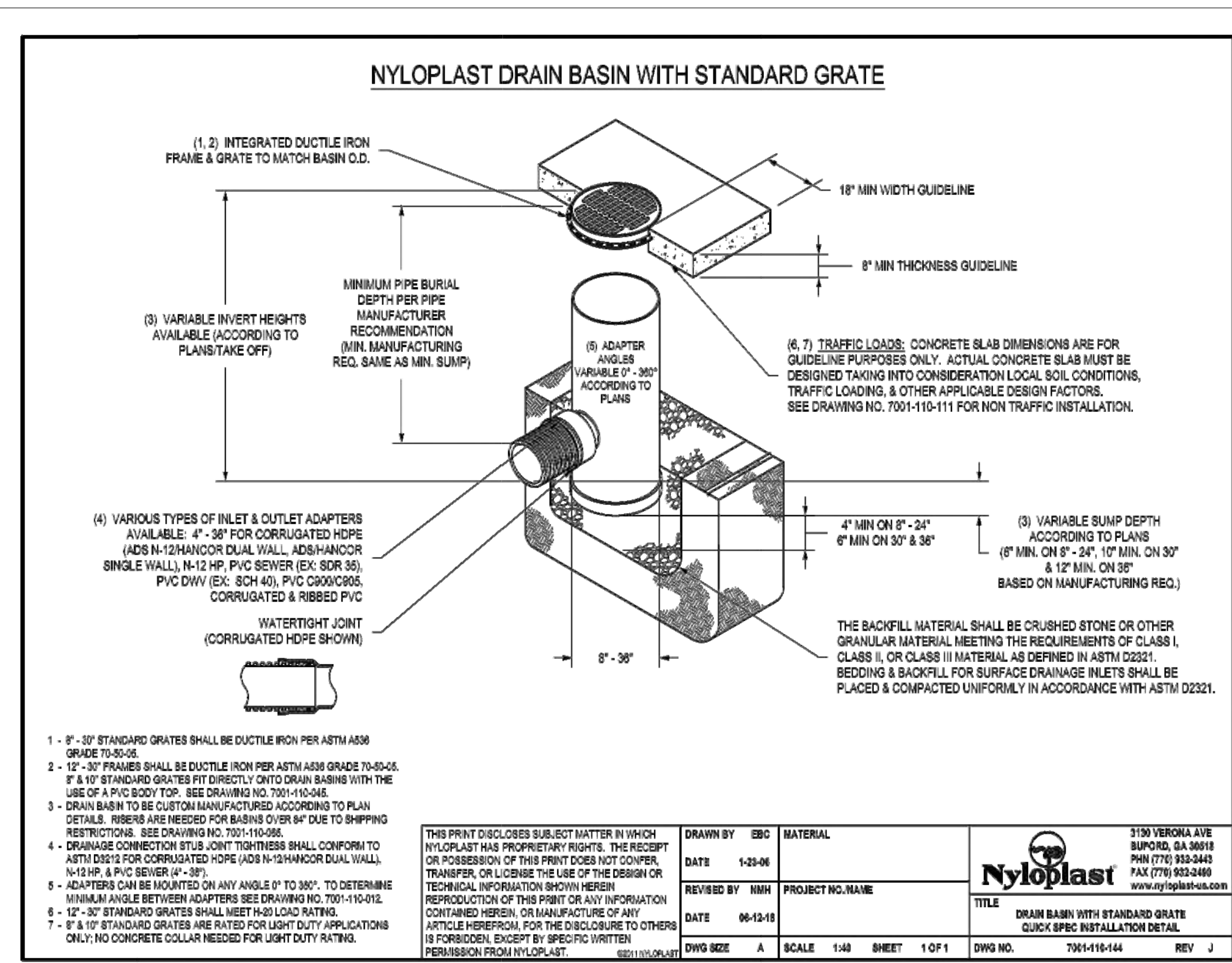
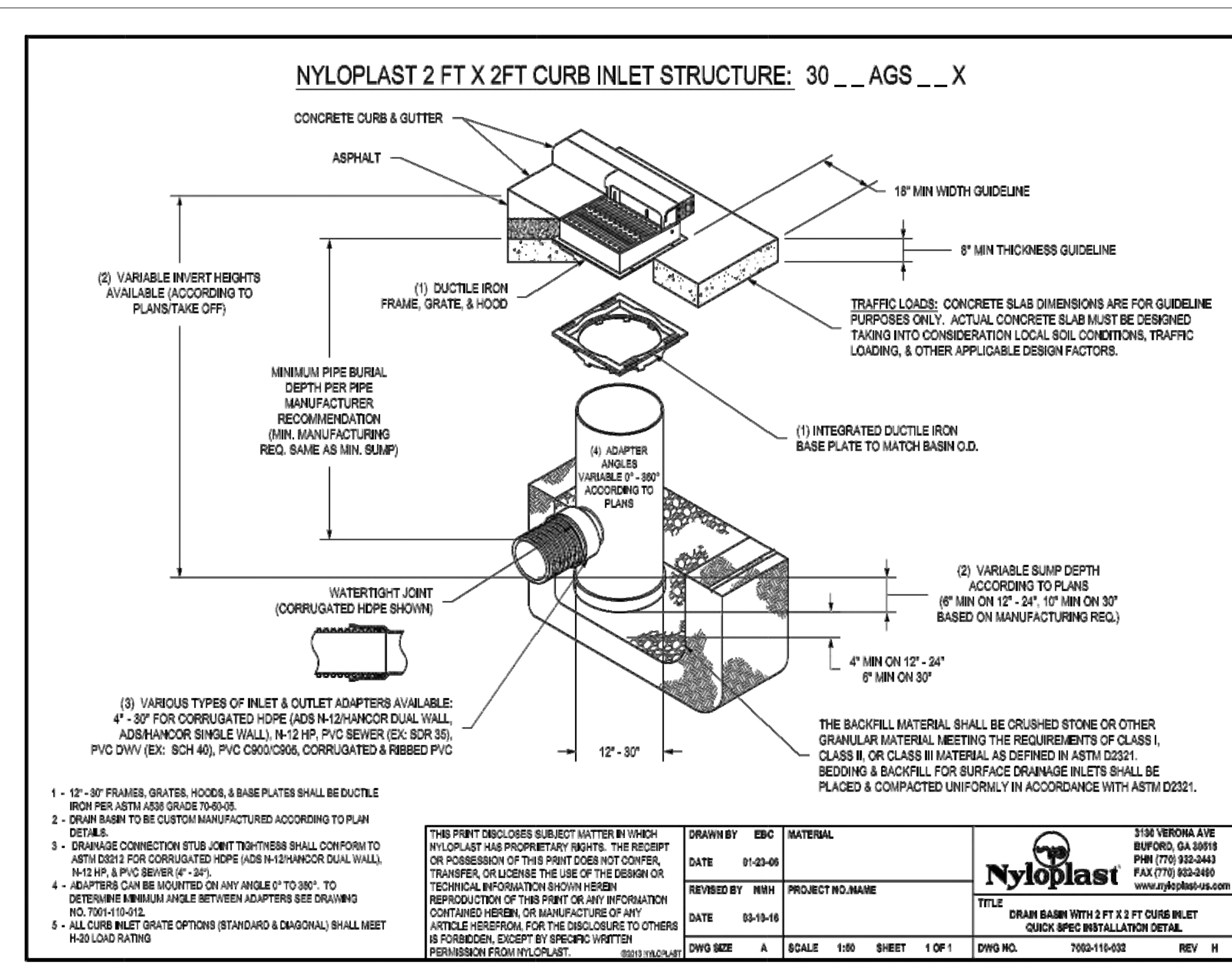
TYP. ISOLATION JOINT AGAINST
EXISTING CONCRETE
NOT TO SCALE



TYP. ISOLATION JOINT AGAINST
EXISTING CONCRETE
NOT TO SCALE



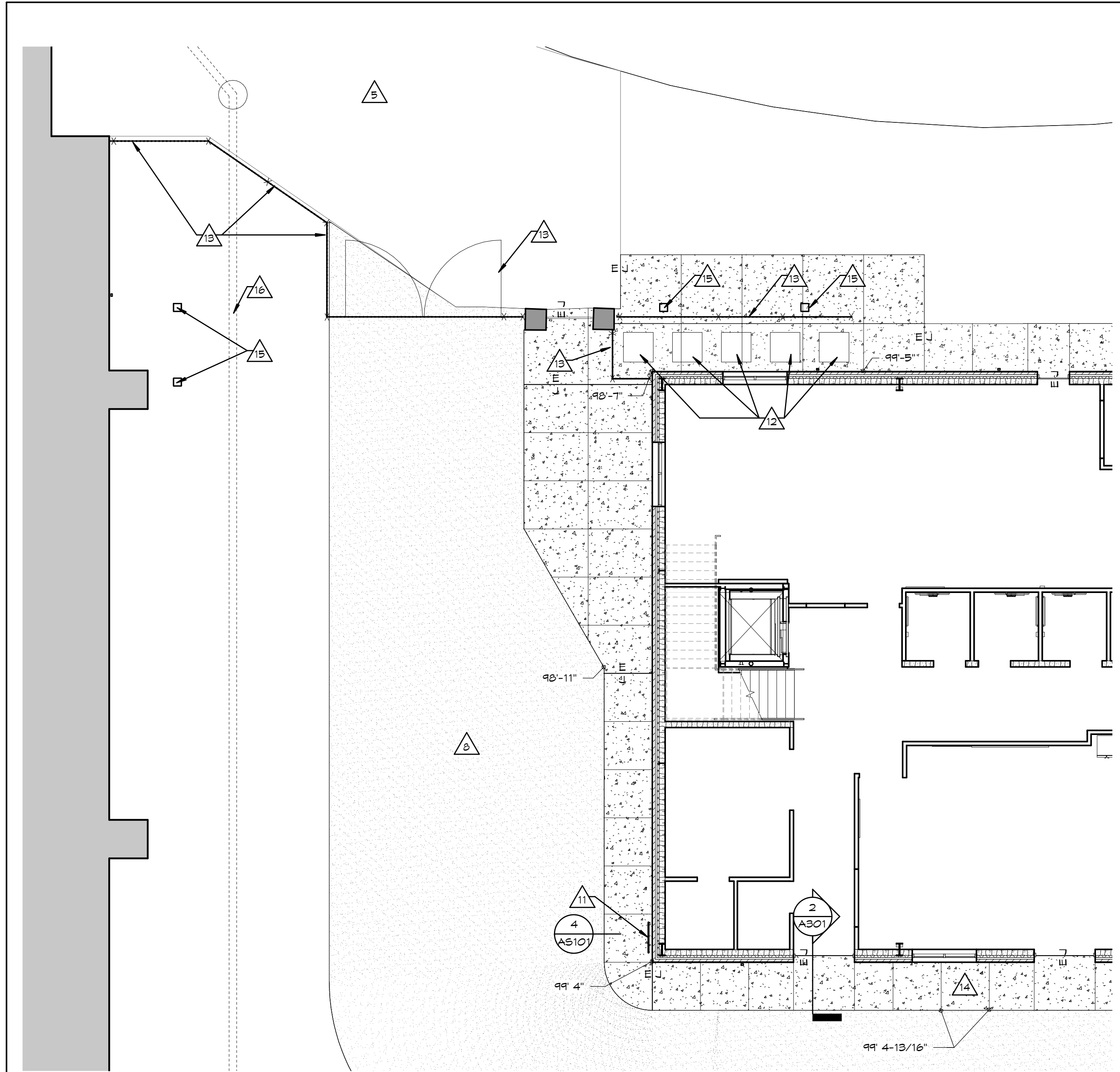
TYP. JOINT SEALANT RESERVOIR
NOT TO SCALE



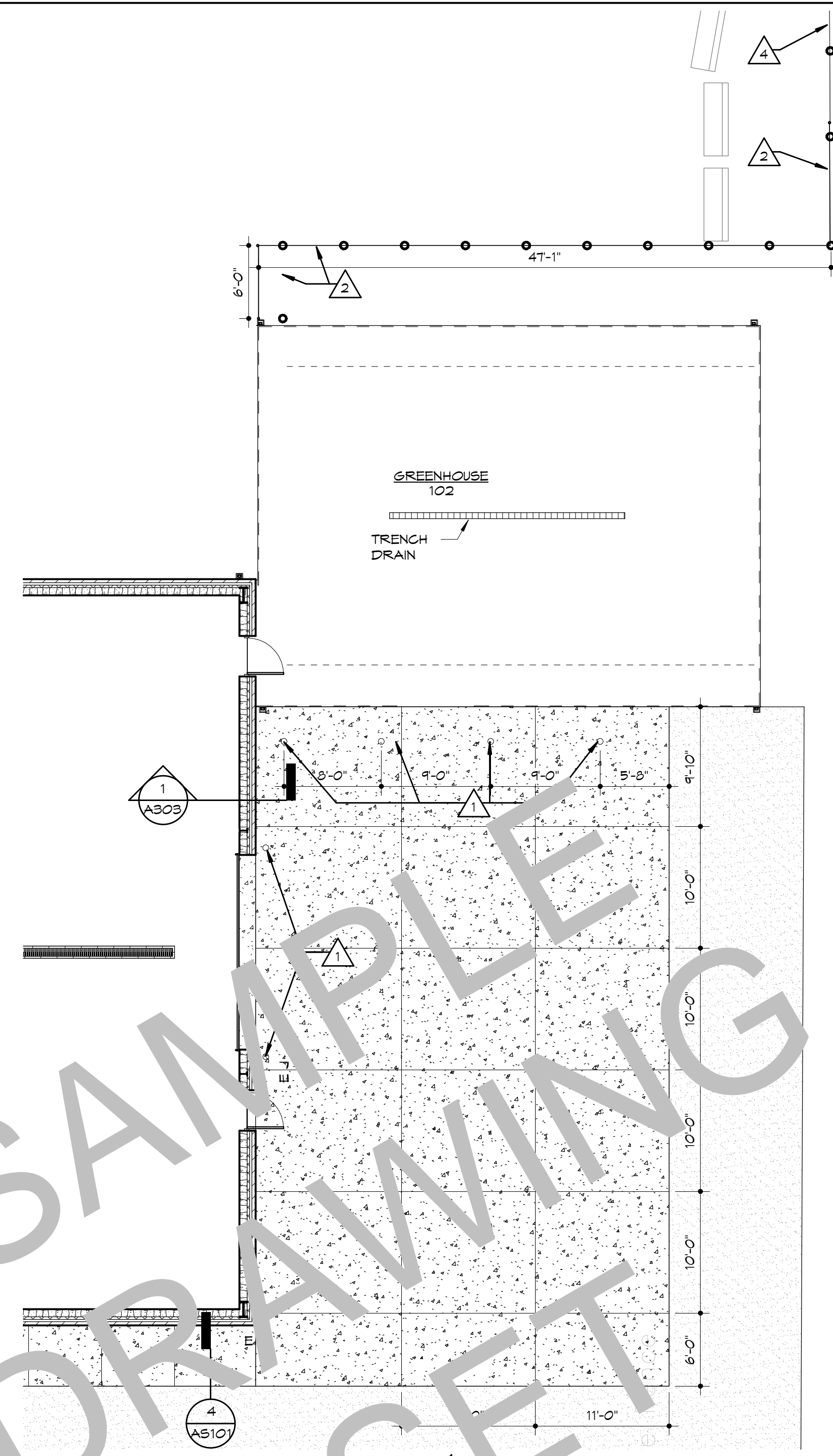
NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN

SHEET NUMBER:

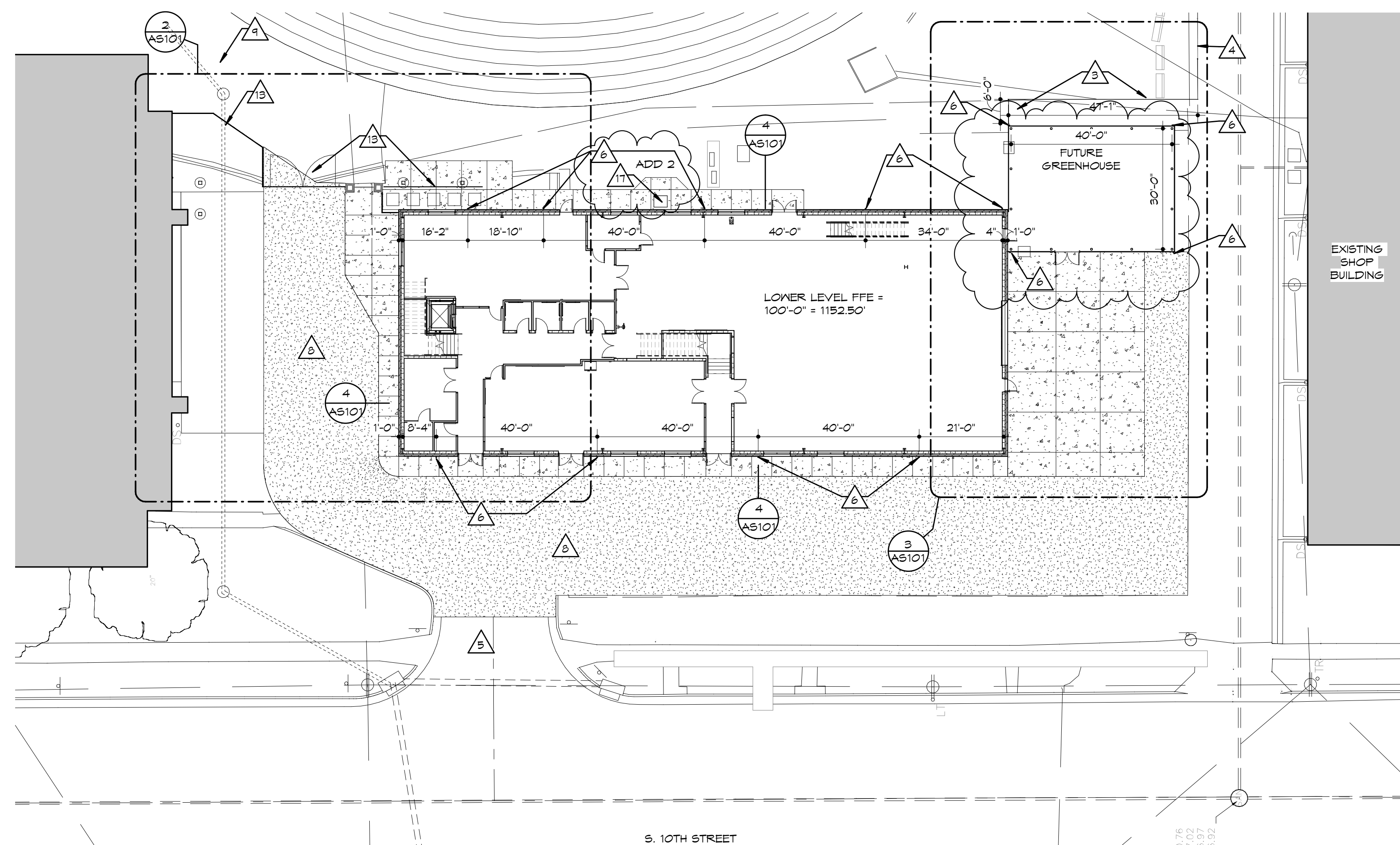
C500



2 PARTIAL SITE PLAN AT NEW NORTH DRIVEWAY
1/8" = 1'-0"



3 PARTIAL SITE PLAN AT GREENHOUSE
1/8" = 1'-0"

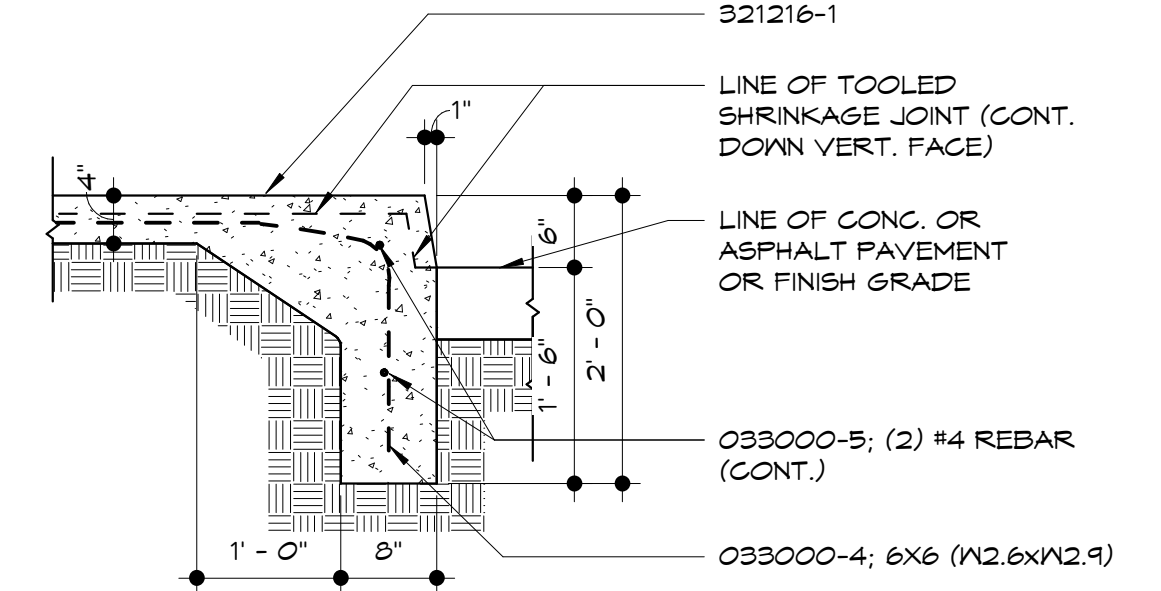


1 SITE PLAN - COMPOSITE
1" = 20'-0"

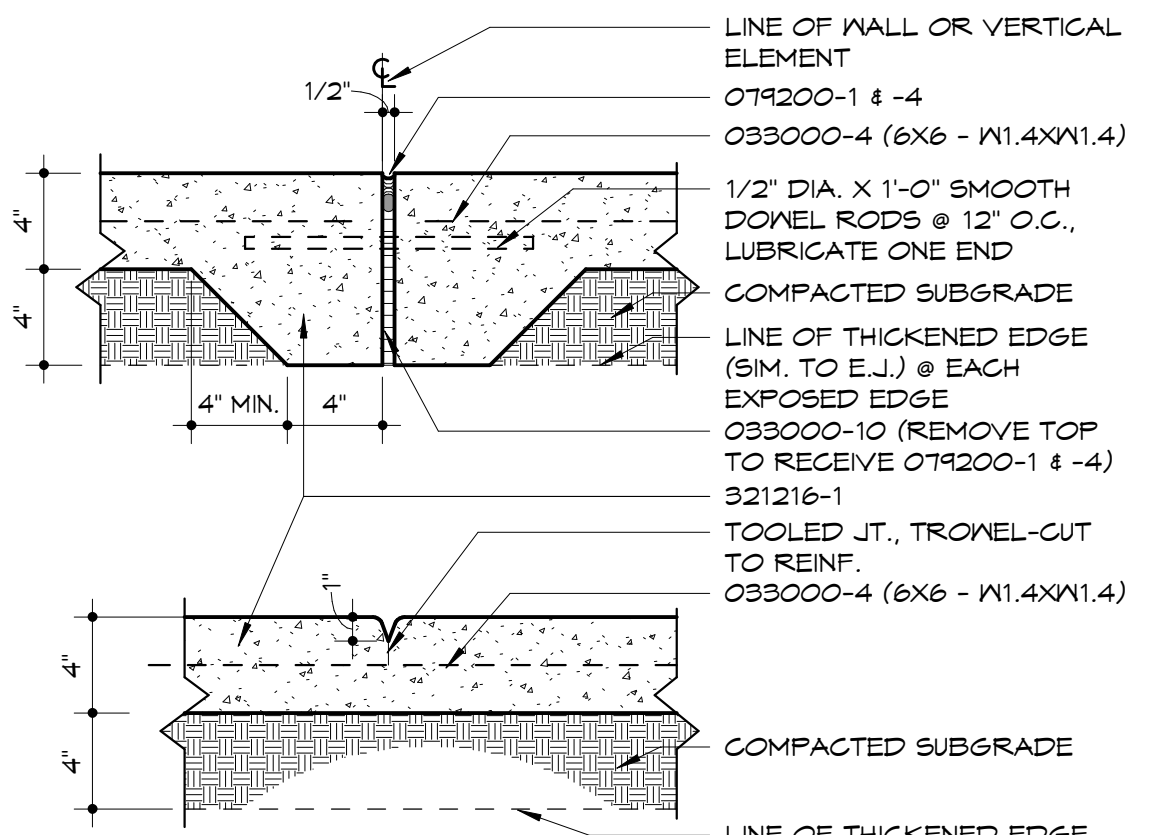
SITE PLAN NOTES & LEGEND

GENERAL: COORDINATE WITH WORK SHOWN ON STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS, REF. FE SHEET FOR EQUIP. COORDINATION

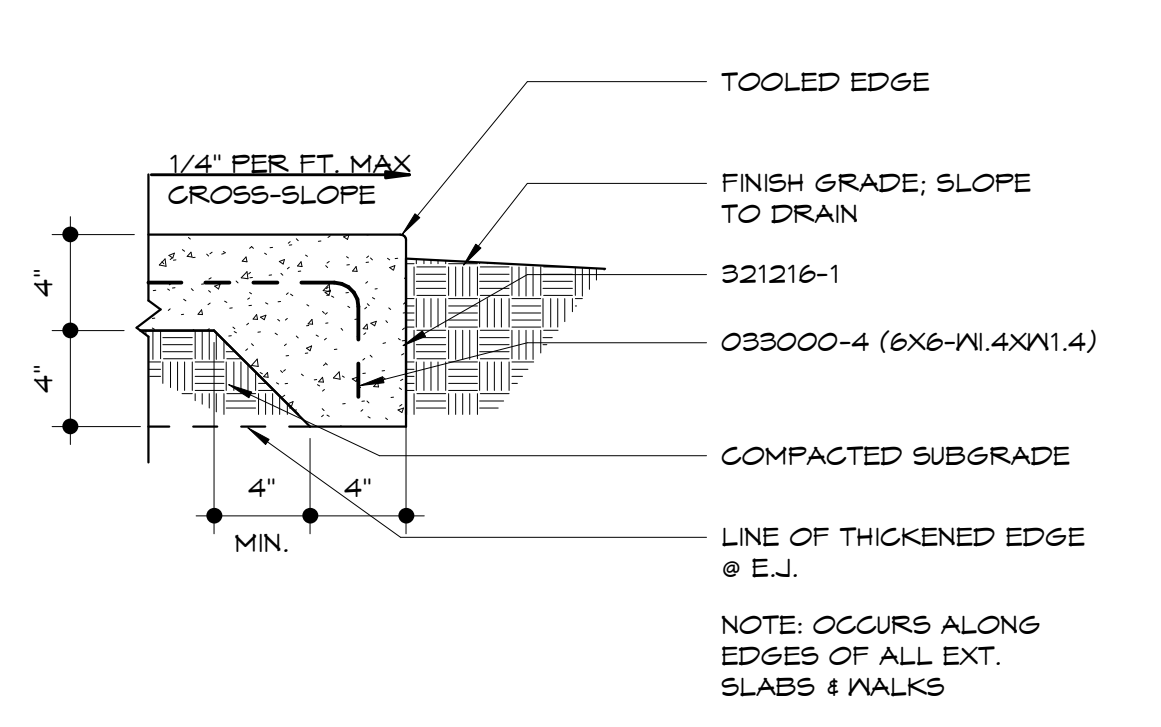
- 1 STEEL BOLLARD; REF. 1AS101.
- 2 LOCATION OF SALVAGED GATE.
- 3 INSTALL SALVAGED CHAINLINK FENCE AND POSTS; PROVIDE NEW POST FOUNDATION.
- 4 EXISTING CHAINLINK FENCE TO REMAIN.
- 5 EXISTING PAVING TO REMAIN.
- 6 DOWNSPOUT AND DOWNSPOUT BOOT. REF. 0AS101 AND CIVIL.
- 7 ADA CURB RAMP.
- 8 GRAVEL; REF. CIVIL.
- 9 STORM INTEL; REF. CIVIL.
- 10 STORM LINES CONNECTING DOWNSPOUT TO STORM SEWER.
- 11 GAS METER; REF. MEP.
- 12 CONDENSER; REF. MEP.
- 13 DECORATIVE FENCE AND GATE PROVIDED BY OWNER.
- 14 GRAVEL; REF. CIVIL.
- 15 CONCRETE; REF. CIVIL.
- 16 EXISTING BUILDING.
- 17 FENCE BY OWNER.
- 18 CHAINLINK REINSTALLED LOCATION.
- 19 ADA CURB CUT, REF. CIVIL.
- 20 CONCRETE FOOTING @ COLUMN.
- 21 EXISTING STORM LINE, F.V. LOCATION & COORDINATE IV LOCATION OF NEW COLUMNS.
- 22 MECH EQUIPMENT, REF. MEP.



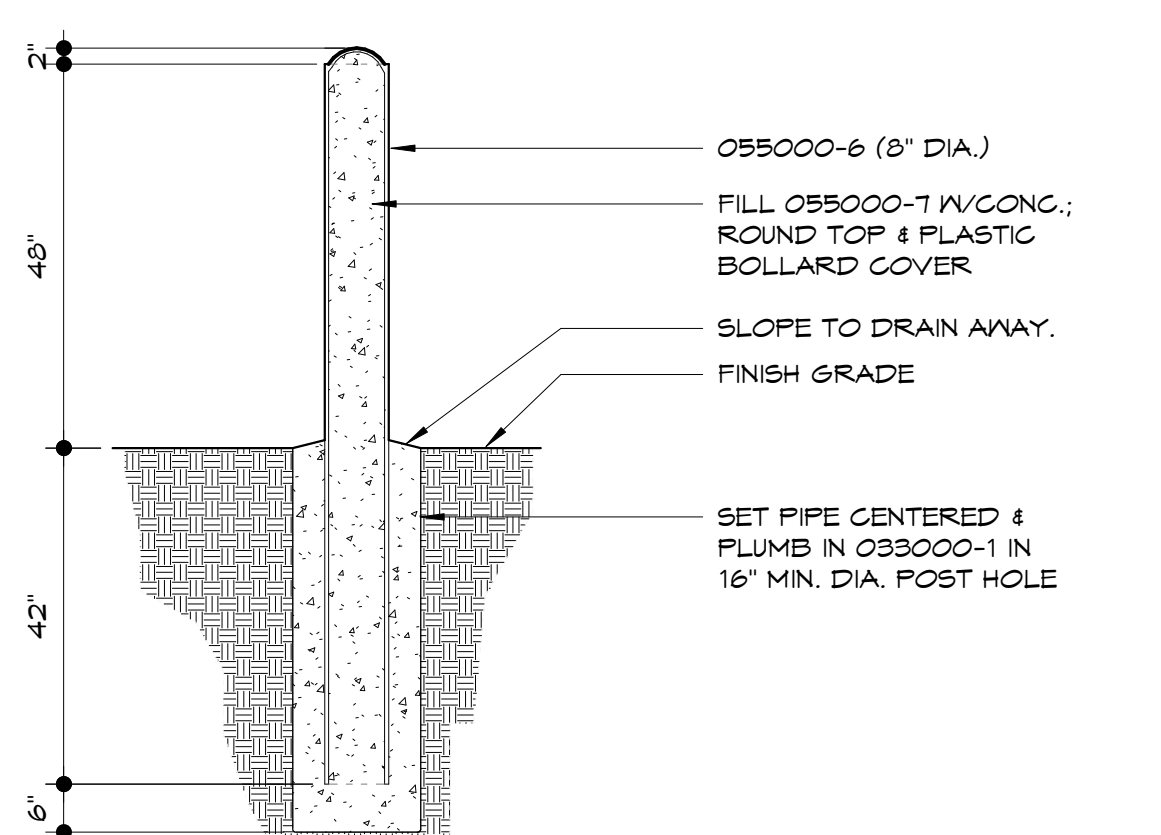
4 TYPICAL SIDEWALK CURB
3/4" = 1'-0"



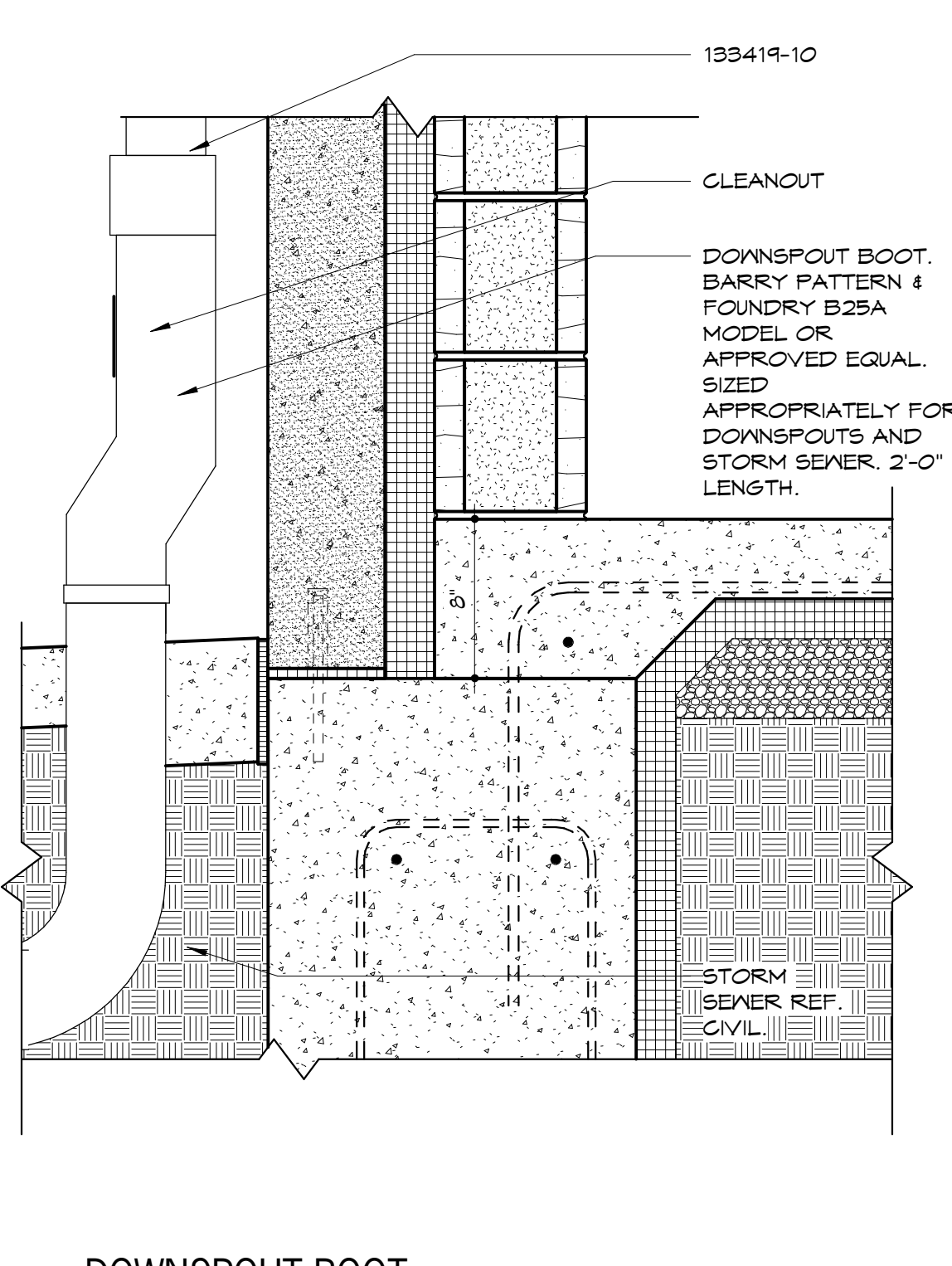
5 CONCRETE SLAB JOINTS
1 1/2" = 1'-0"



6 TYPICAL SIDEWALK EDGE
1 1/2" = 1'-0"



7 STEEL BOLLARD
1/2" = 1'-0"



8 DOWNSPOUT BOOT
1 1/2" = 1'-0"

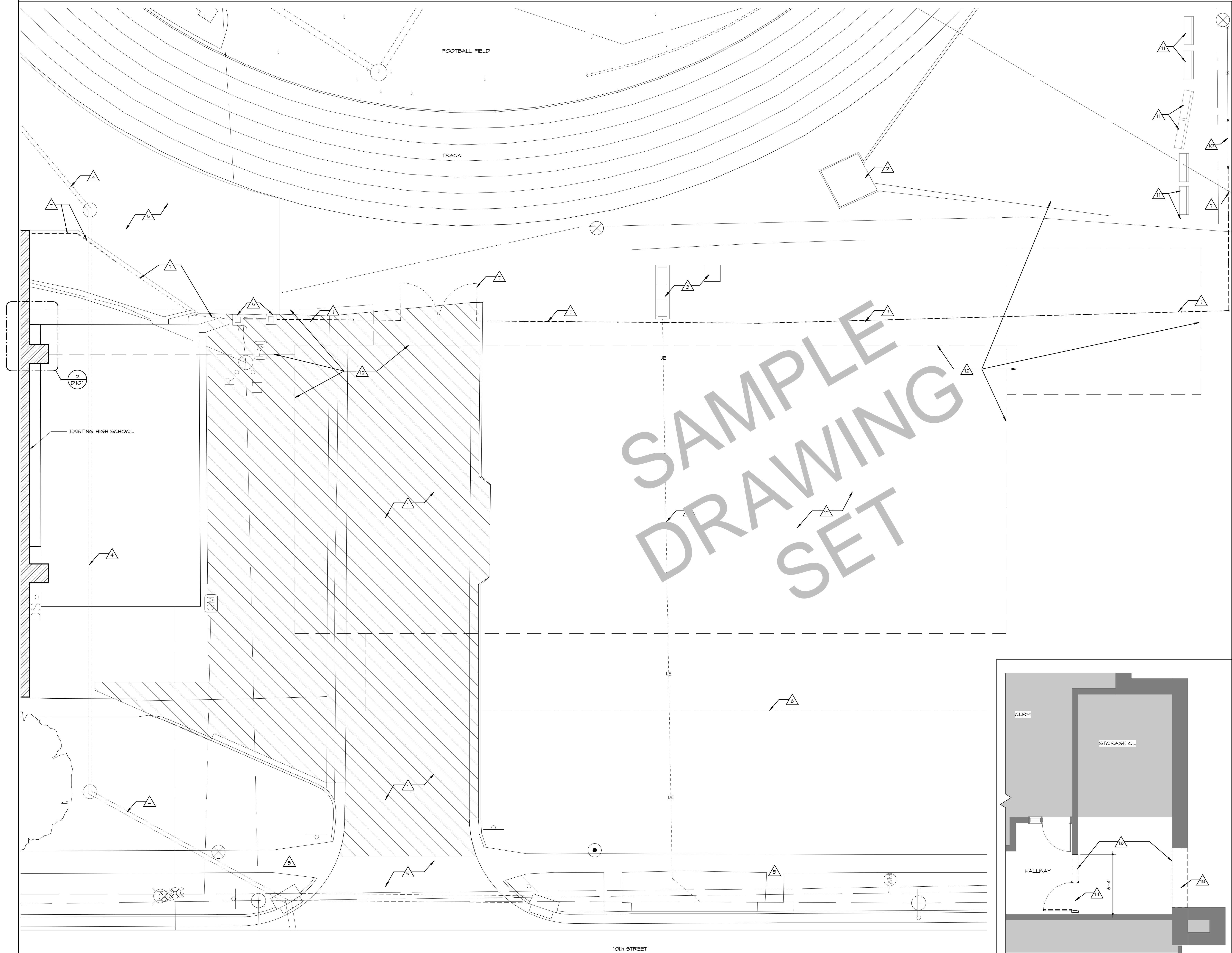
NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

NOTE: REFER TO STRUCTURAL DRAWINGS FOR REINFORCING STEEL IN EXTERIOR WALLS AND CONCRETE NOT SHOWN.

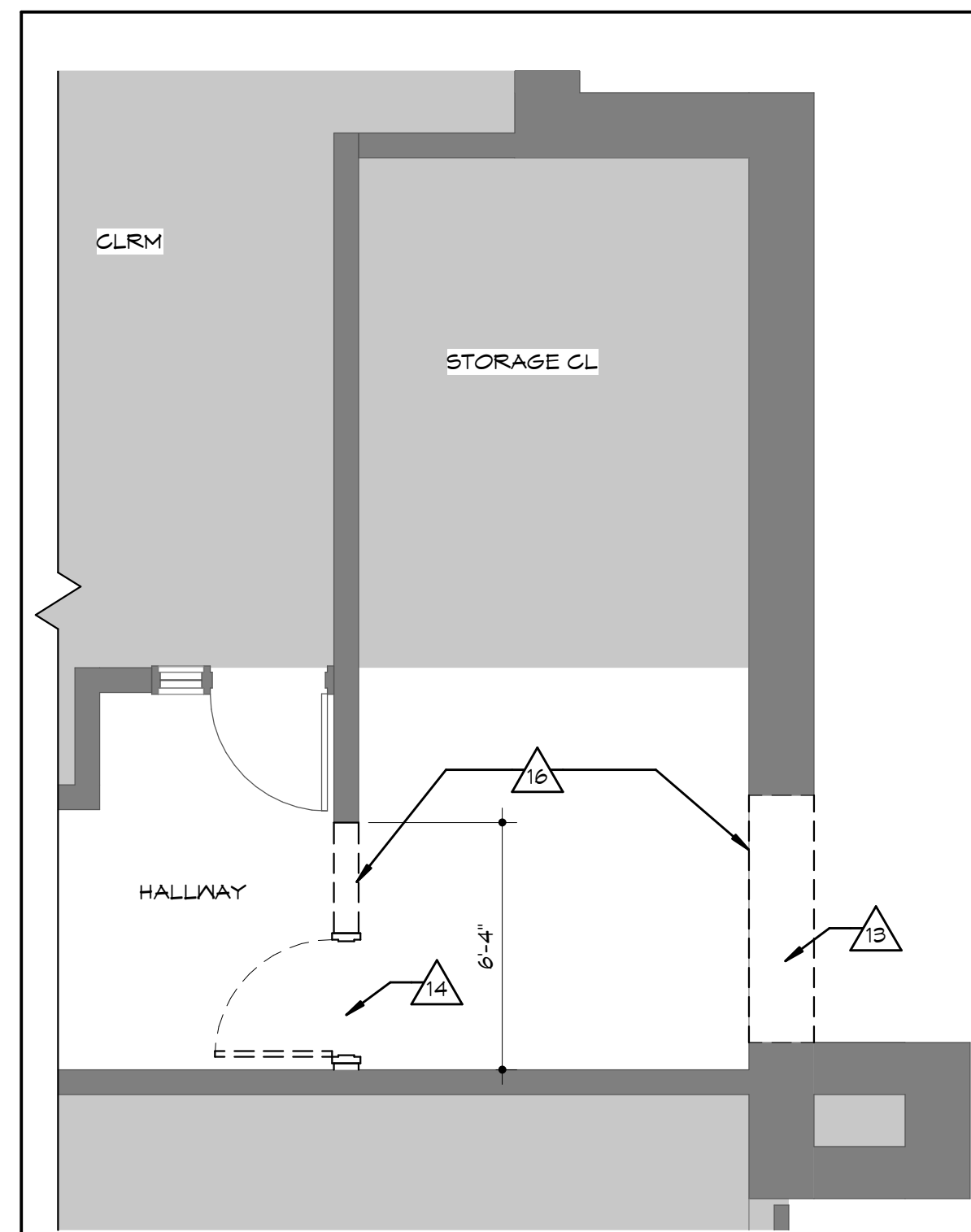
KEYNOTES

Note: Keynotes are drawn from a master list & may not be sequentially numbered. Sizes (E, 2x4) or other info. following keynotes on drawings indicates criteria for those materials/locations which may differ from the std. material specified.

- 033000-1 CONCRETE STRUCTURE
- 033000-2 CONCRETE FLOOR SLAB
- 033000-3 VAPOR BARRIER
- 033000-4 WELDED WIRE FABRIC
- 033000-5 STEEL REINFORCING BAR
- 033000-6 SUBSTICATION JOINT
- 033000-7 DOVEYAL ANCHOR
- 033000-8 PREMOULDED JOINT
- 033000-9 PRECAST CONCRETE FLOOR
- 033000-10 TOPPING
- 033000-11 PRECAST CONCRETE SILL
- 033000-12 PRECAST CONCRETE PANEL
- 033000-13 STEEL EMBED PLATE
- 033000-14 STEEL EMBED ANGLE
- 033000-15 BAR BUSH
- 033000-16 STEEL ANGLE
- 033000-17 FACE BRICK
- 033000-18 CONCRETE MASONRY UNIT (LIGHTWEIGHT) (")
- 033000-19 WIRE REINFORCING
- 033000-20 METAL TIE/ANCHOR
- 033000-21 THROUGH WALL FLASHING
- 033000-22 CONTROL JOINT STRIP
- 033000-23 BOND BEAM (")
- 033000-24 COMPRESSIBLE FILLER
- 033000-25 KEEP MOLEVENT
- 033000-26 CAVITY DRAINAGE MATERIAL
- 033000-27 TERMINATION BAR
- 033000-28 STEEL BEAMS
- 033000-29 STEEL COLUMN
- 033000-30 STEEL TIE
- 033000-31 STEEL CHANNEL
- 033000-32 METAL DECKING
- 033000-33 STRUCTURAL STEEL STUDS
- 033000-34 STEEL ANGLE
- 033000-35 STEEL CHANNEL
- 033000-36 STEEL LINTEL
- 033000-37 STEEL PIPE
- 033000-38 STEEL TUBE
- 033000-39 STEEL PLATE
- 033000-40 METAL PAN STAIRS
- 033000-41 METAL STAR STRINGER
- 033000-42 METAL EMBED PLATE
- 033000-43 COLUMN
- 033000-44 BEAM
- 033000-45 HANDRAIL
- 033000-46 GUARDRAIL
- 033000-47 HANDRAIL WALL
- 033000-48 BRACKET
- 033000-49 2X WOOD NAILER (")
- 033000-50 2X WOOD BLOCKING (")
- 033000-51 1X WOOD CONTINUOUS (")
- 033000-52 FLYWOOD BACKER
- 033000-53 PANEL
- 033000-54 SHEATHING
- 033000-55 FIBERGLASS SHEATHING
- 033000-56 FLYWOOD (")
- 033000-57 PLASTIC-LAMINATE FACED ARCHITECTURAL CABINETS
- 033000-58 HIGH PRESSURE LAMINATE
- 033000-59 CABINET LINER LAMINATE
- 033000-60 PARTICLE BOARD
- 033000-61 SHIM EDGE HOLDING
- 033000-62 SOLID WOOD BLOCKING
- 033000-63 FOLDING TABLE SUPPORT
- 033000-64 SELF SUPPORTS
- 033000-65 WATERPROOFING
- 033000-66 FOUNDATION WALL
- 033000-67 INSULATION (R-)
- 033000-68 CAVITY WALL
- 033000-69 BUILDING INSULATION - UNFACED (R-)
- 033000-70 BUILDING INSULATION - FACED (R-)
- 033000-71 SILL SEALER
- 033000-72 GASKING INSULATION
- 033000-73 SPRAY-APPLIED INSULATION
- 033000-74 FLUID APPLIED MEMBRANE AIR BARRIERS
- 033000-75 ICE AND WATER SHIELD
- 033000-76 F.R. PLYWOOD
- 033000-77 INSULATION TAPERED
- 033000-78 INSULATION FLAT
- 033000-79 COMPOSITE METAL PANEL
- 033000-80 PREFINISHED FLASHING
- 033000-81 SOFFIT LINER PANEL
- 033000-82 SHEET METAL FLASHING AND COUNTERFLASHING
- 033000-83 REGLET
- 033000-84 TERMINATION BAR
- 033000-85 ROOF EXPANSION JOINT
- 033000-86 SNOW GUARD
- 033000-87 PENETRATION
- 033000-88 FRESH OPENING
- 033000-89 FIRE-RESISTIVE JOINT SYSTEM
- 033000-90 VENTED RIDGE CAP AND ACCESSORIES
- 033000-91 JOINT SEALANT
- 033000-92 JOINT FILLER
- 033000-93 GASKET
- 033000-94 BACKER ROD
- 033000-95 INTERIOR EXPANSION CONTROL
- 033000-96 EXTERIOR EXPANSION CONTROL
- 033000-97 DRAINAGE BACKFILL
- 033000-98 SUBBASE COURSE
- 033000-99 FILL 033000-10 F.V. CONC.; ROUND TOP 4 PLASTIC BOLLARD COVER
- 033000-100 SLOPE TO DRAIN AWAY
- 033000-101 FINISH GRADE
- 033000-102 SET PIPE CENTERED & FLUMB IN 033000-10 16" MIN. DIA. POST HOLE
- 033000-103 055000-6 (8" DIA.)
- 033000-104 055000-7 (8" DIA.)
- 033000-105 055000-8 (8" DIA.)
- 033000-106 055000-9 (8" DIA.)
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- 03



1 DEMOLITION PLAN - MAIN LEVEL
1/8" = 1'-0"



2 LINK DEMO PLAN @ EXISTING BLDG
1/4" = 1'-0"

NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

NOTE: REFER TO STRUCTURAL DRAWINGS FOR REINFORCING STEEL IN EXTERIOR WALLS AND CONCRETE NOT SHOWN.

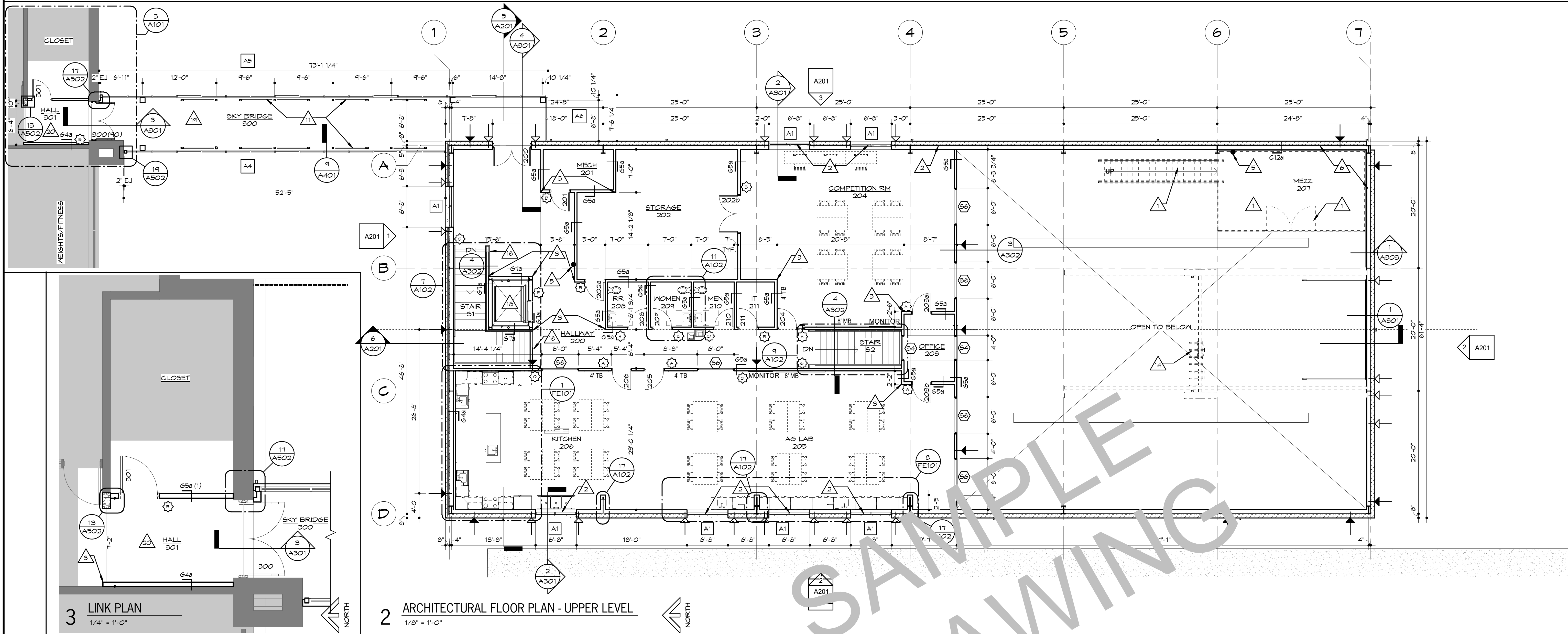
NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN.

EXISTING TO REMAIN

- ### GENERAL DEMOLITION NOTES
- A) WALLS & STRUCTURE NOTED TO REMAIN SHALL BE BRACED & SUPPORTED AS NECESSARY DURING DEMO & UNTIL NEW CONSTRUCTION IS IN PLACE.
 - B) PROTECT EXISTING CONSTRUCTION AND FINISHES TO REMAIN FROM DAMAGE DURING DEMOLITION.
 - C) REPAIR SURFACES ADJACENT TO DEMOLITION AREAS AS REQUIRED TO MATCH ADJACENT FINISHES.
 - D) COORDINATE DEMOLITION WORK WITH NEW WORK.
 - E) REF. MECHANICAL, ELECTRICAL & PLUMBING FOR EXTENT OF RELATED DEMOLITION. REPAIR ALL WALLS/FLOOR/CEILING PENETRATIONS WHERE DEVICES/EQUIPMENT/ETC. HAS REMOVED. MATCH ADJ. FINISH & MATERIAL.
 - F) REF. STRUCT FOR RELATED DEMOLITION.
 - G) WHEN REPLACING SURFACE TO MATCH ADJACENT, MAKE NEW SURFACE FLUSH WITH ADJACENT UNLESS NOTED OTHERWISE.
 - H) SOME NEW CONSTRUCTION WILL REQUIRE REMOVAL/CUTTING AND ADDITIONAL DEMO WORK NOT SHOWN ON DEMO SHEETS. REF. ENTIRE SET FOR DEMOLITION.
 - I) FIELD VERIFY EXTENT OF DEMO ITEMS BEFORE BIDDING.
 - J) DEMO WALLS & DOORS SHOWN DASHED IN AREAS OF NEW WORK. CONSULT ARCHITECT FOR ANY DISCREPANCIES OR QUESTIONS.
 - K) WALLS, SLABS, CEILING, ETC. WITHIN RENOVATION AREAS NOT CALLED FOR DEMO SHALL BE PATCHED & REPAIRED TO MATCH ADJ. SURFACES & FINISHES, TYP. PRIOR TO FINISHING AS SCHED.
 - L) WHERE NEW FINISHES ARE INDICATED ON PLANS, SPECIFICATIONS, OR SCHEDULES, ANY EXISTING FINISHES IN CONFLICT SHALL BE DEMOLISHED. CONTRACTOR SHALL FIELD VERIFY EXTENT OF EXISTING FINISHES PRIOR TO BIDDING.

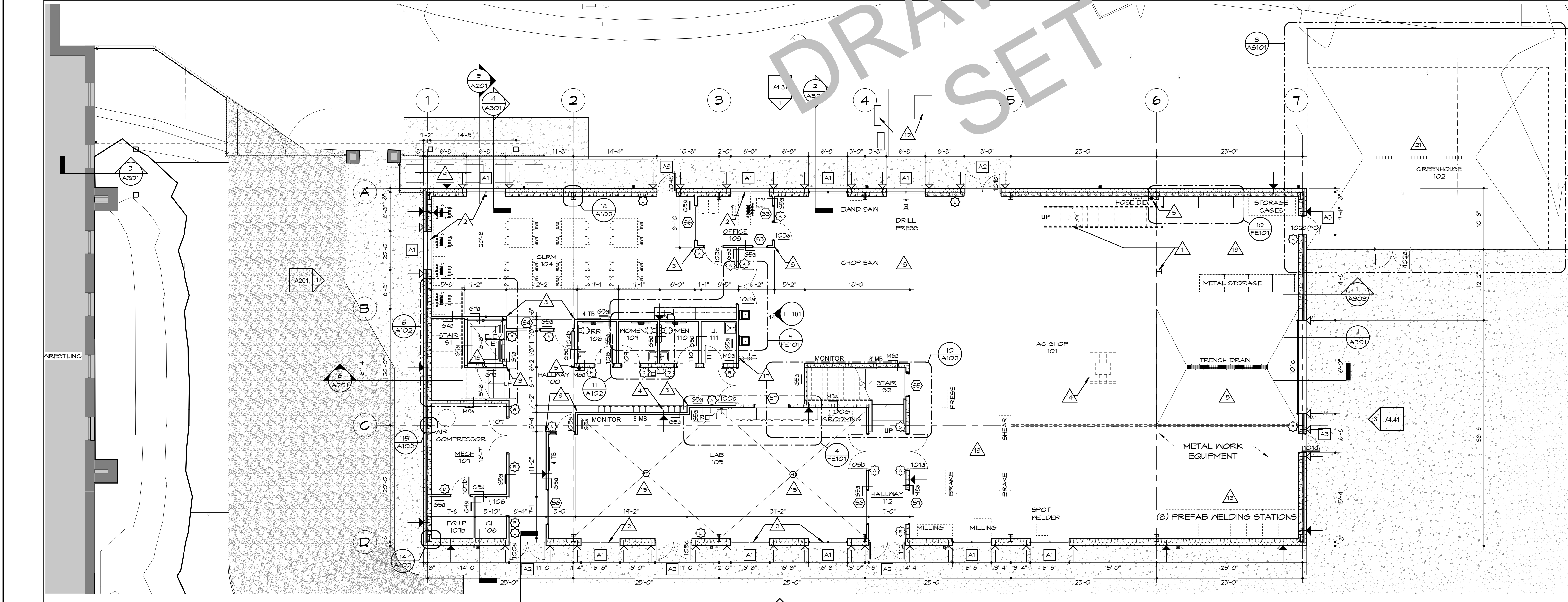
- ### DEMOLITION PLAN LEGEND
- DEMOLITION
 - X - X CHAIN LINK FENCE
 - UE - UNDERGROUND ELECTRICAL, REF MEP
 - STORM SEWER, REF CIVIL
 - PAVEMENT & GRAVEL REMOVAL, REF CIVIL
 - EXISTING TO REMAIN

- ### DEMOLITION PLAN NOTES
- GENERAL: COORDINATE WITH NEW CONSTRUCTION AND WORK SHOWN ON STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
- REF. CIVIL FOR REMOVING OF PAVING.
 - SHOT-PUT EQUIPMENT & PAD TO BE RELOCATED BY OWNER.
 - TRANSFORMER TO REMAIN.
 - EXISTING STORM SEWER LINE. FIELD VERIFY LOCATION AND ELEVATIONS.
 - PAVING TO REMAIN.
 - TRENCH FOR SANITARY SEWER, REF CIVIL.
 - REMOVE EXISTING FENCE AND GATE. SALVAGE FENCE AND POSTS FOR REINSTALLATION.
 - PROTECT PILLARS AND GATE TO REMAIN.
 - UNDERGROUND ELECTRICAL, REF. MEP.
 - EXISTING CHAINLINK TO REMAIN.
 - SITE FURNISHINGS TO REMAIN, PROTECT.
 - OUTLINE OF ADDITION.
 - REMOVE PORTION OF EXISTING EXTERIOR WALL AS REQUIRED FOR NEW DOOR OPENING AND CONNECTION TO BRIDGE.
 - REMOVE AND SALVAGE EXISTING DOOR AND FRAME FOR REINSTALLATION IN NEW WALL.
 - REMOVE EXISTING WALL AS REQUIRED FOR A 6'-4" WIDE BY 10'-0" TALL OPENING IN EXISTING CMU WALL.
 - REMOVE PORTION OF WALL AS REQ'D FOR NEW LINTEL, REF. STRUCTURAL.
 - REMOVE AND SALVAGE GRAVEL FOR REINSTALL, REF. CIVIL.



2 ARCHITECTURAL FLOOR PLAN - UPPER LEVEL
1/8" = 1'-0"

- ARCHITECTURAL PLAN NOTES
- GENERAL: COORDINATE WITH WORK SHOWN ON STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS, REF. FE SHEET FOR EQUIP. COORDINATION
- EXISTING TO REMAIN
 - SIGNAGE, REF. SCHEDULE
 - OWNER PROVIDED MEZZANINE, STAIR, RAILING, & SUPPORT.
 - ROLLER WINDOW SHADES
 - S.S. CORNER GUARD ON EA GYP. PARTITION OUTSIDE CORNERS, 102600-1
 - EXISTING METAL LOCKERS WITH NEW PAINT FINISH. REF. SPEC SECTION 09123 FOR FINISH REQUIREMENTS.
 - FIRE EXTINGUISHER CABINET, REF. 13A102
 - 2-HR RATED GYP. AND METAL STUD WALL BETWEEN COLUMNS
 - FUTURE GREENHOUSE 131230-1
 - NOT USED
 - CONDENSER, REF. MECH.
 - SOAP DISPENSER & TOWEL DISPENSER
 - DIAGONAL BRACING, REF. STRUCTURE
 - EXISTING TRANSFORMER
 - OWNER EQUIPMENT DASHED & LABELED FOR REFERENCE
 - BRIDGE CRANE PROVIDED BY OWNER
 - SLOPE SLAB TO DRAIN
 - GUARD RAIL, REF. 0A102
 - EYEWASH, REF. PLUMBING
 - SHAFT STEEL STRUCTURE FURNISHED BY OWNER; CONTRACTOR INSTALLED
 - BRIDGE STEEL STRUCTURE FURNISHED BY OWNER; CONTRACTOR INSTALLED
 - WORK ON EXISTING BUILDING SHALL START DURING SUMMER 2020 TO AVOID CONSTRUCTION DURING SCHOOL
 - COORDINATE FINAL DIMENSIONS OF GREENHOUSE SLAB WITH OWNER. REF. MECH. DRAWINGS FOR TRENCH DRAIN REQUIREMENTS.



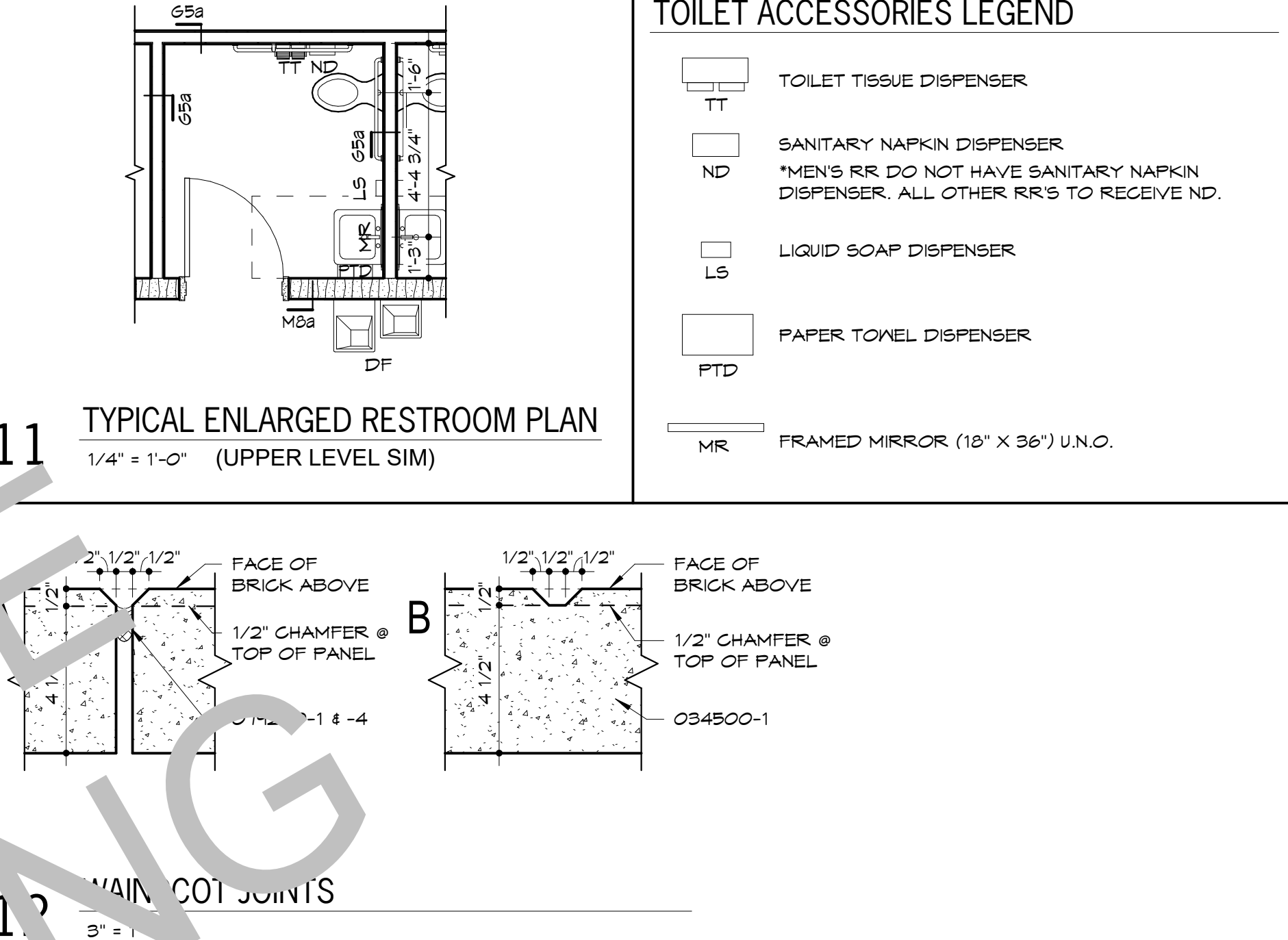
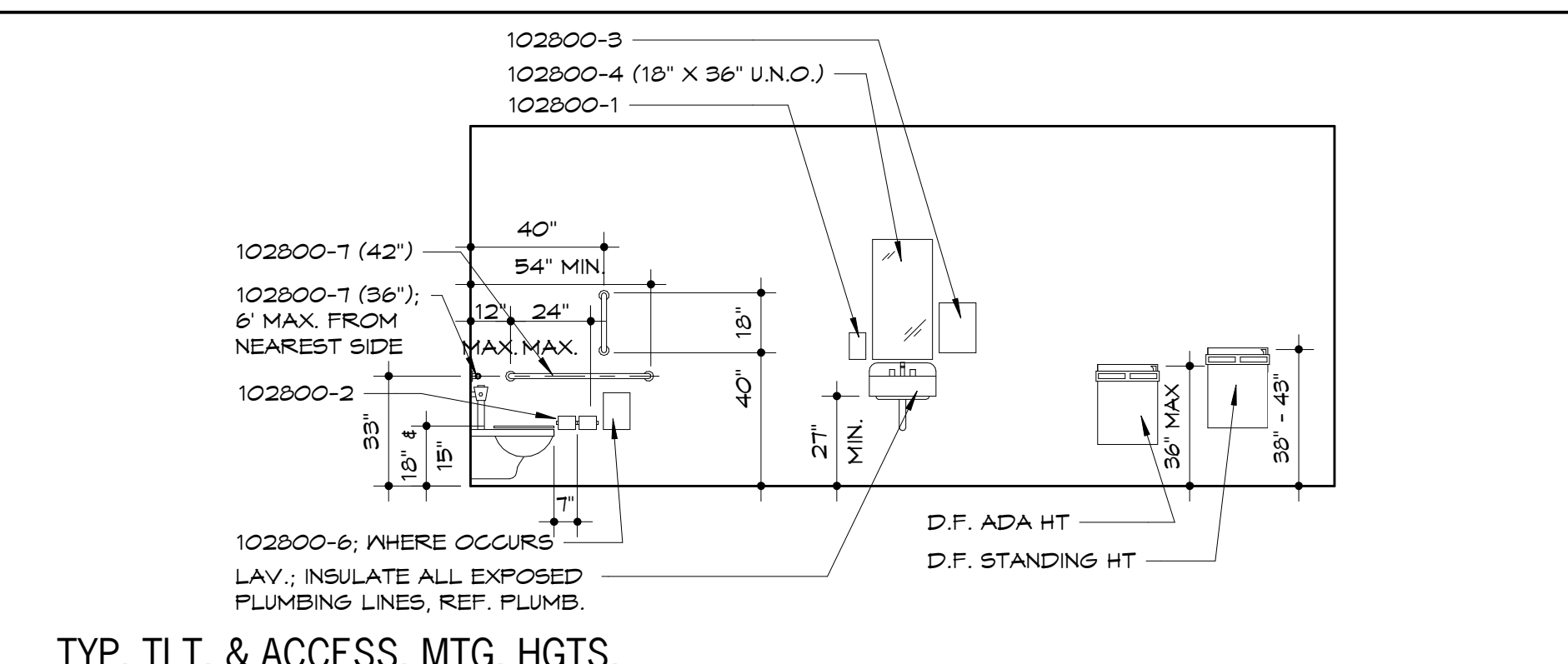
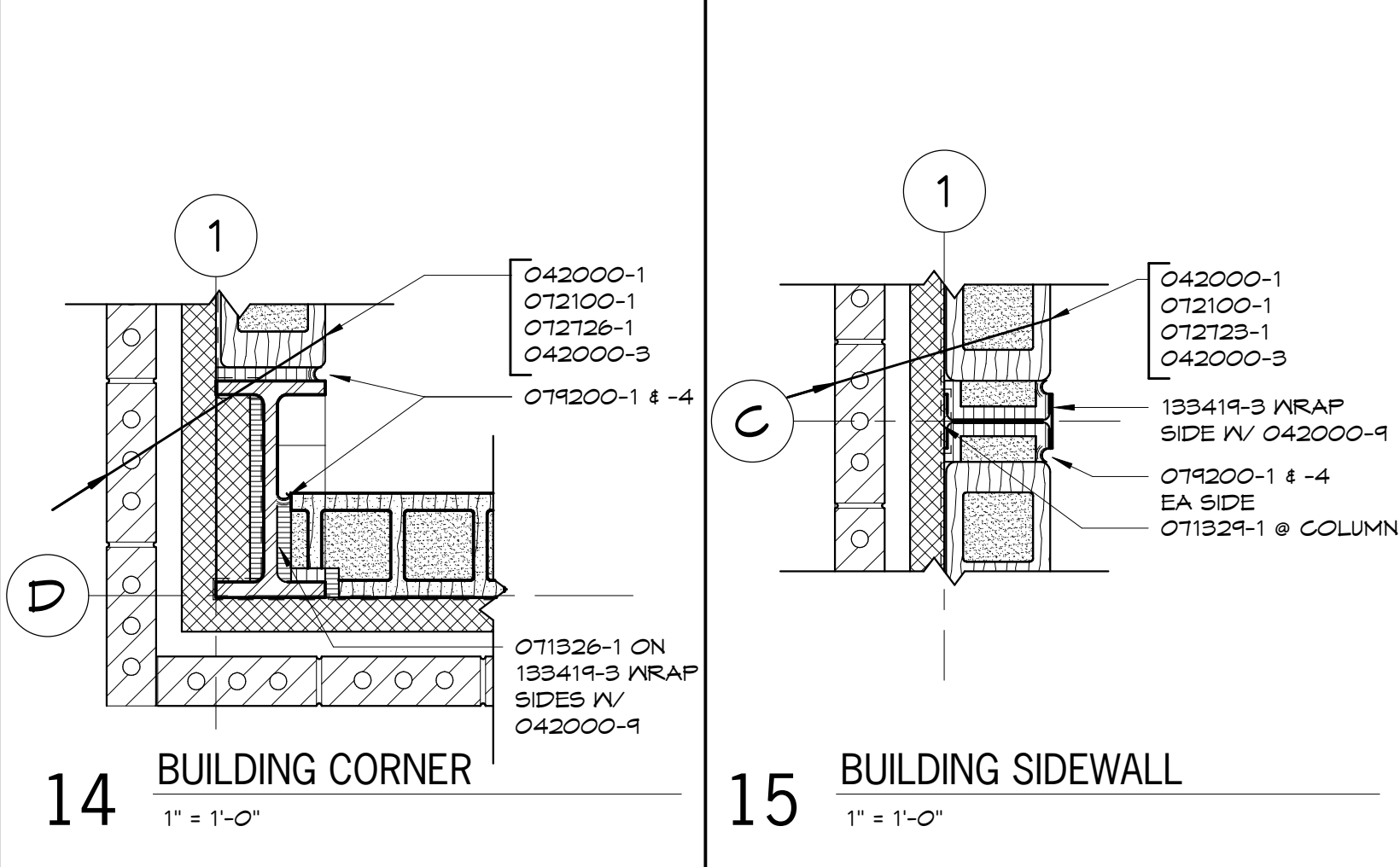
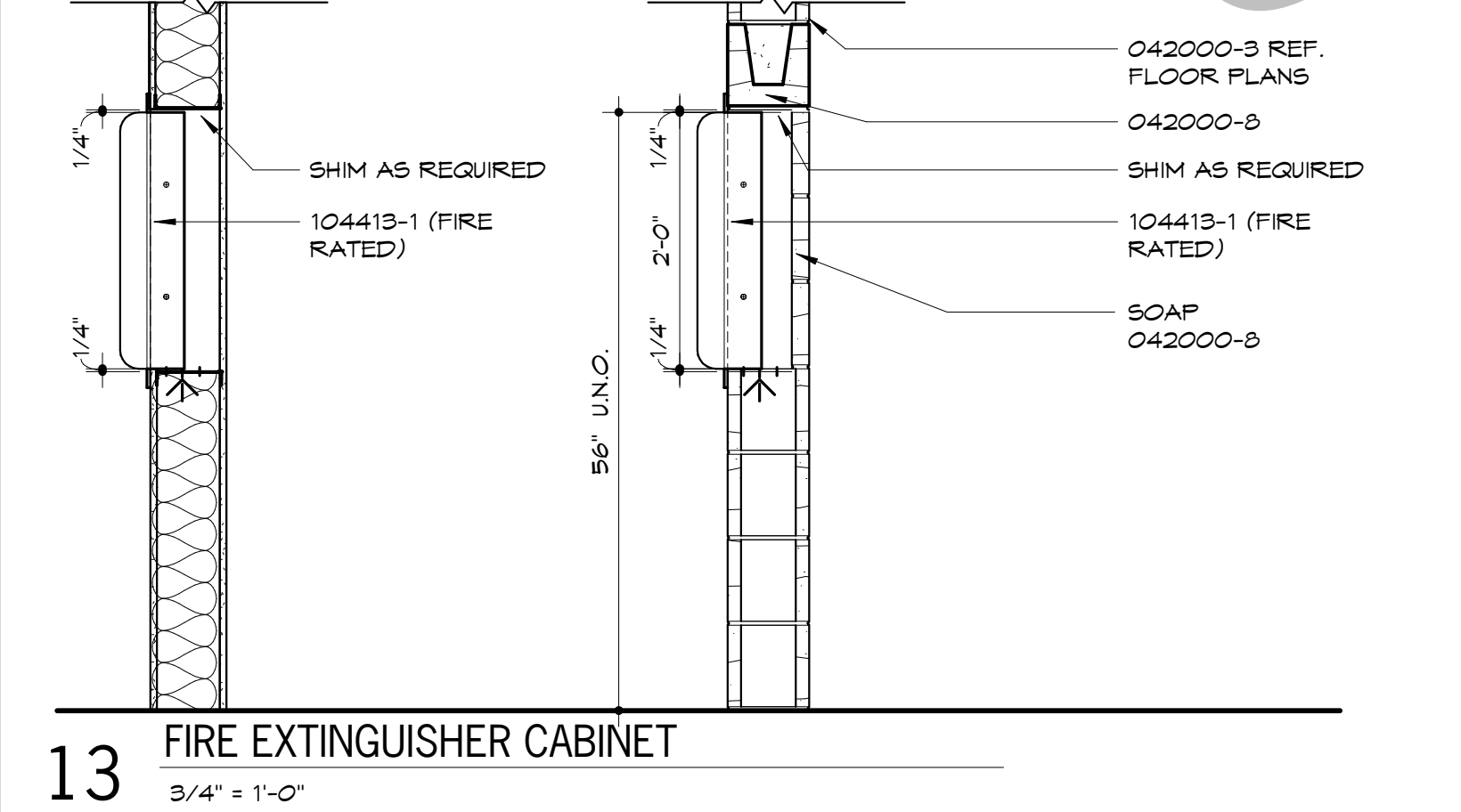
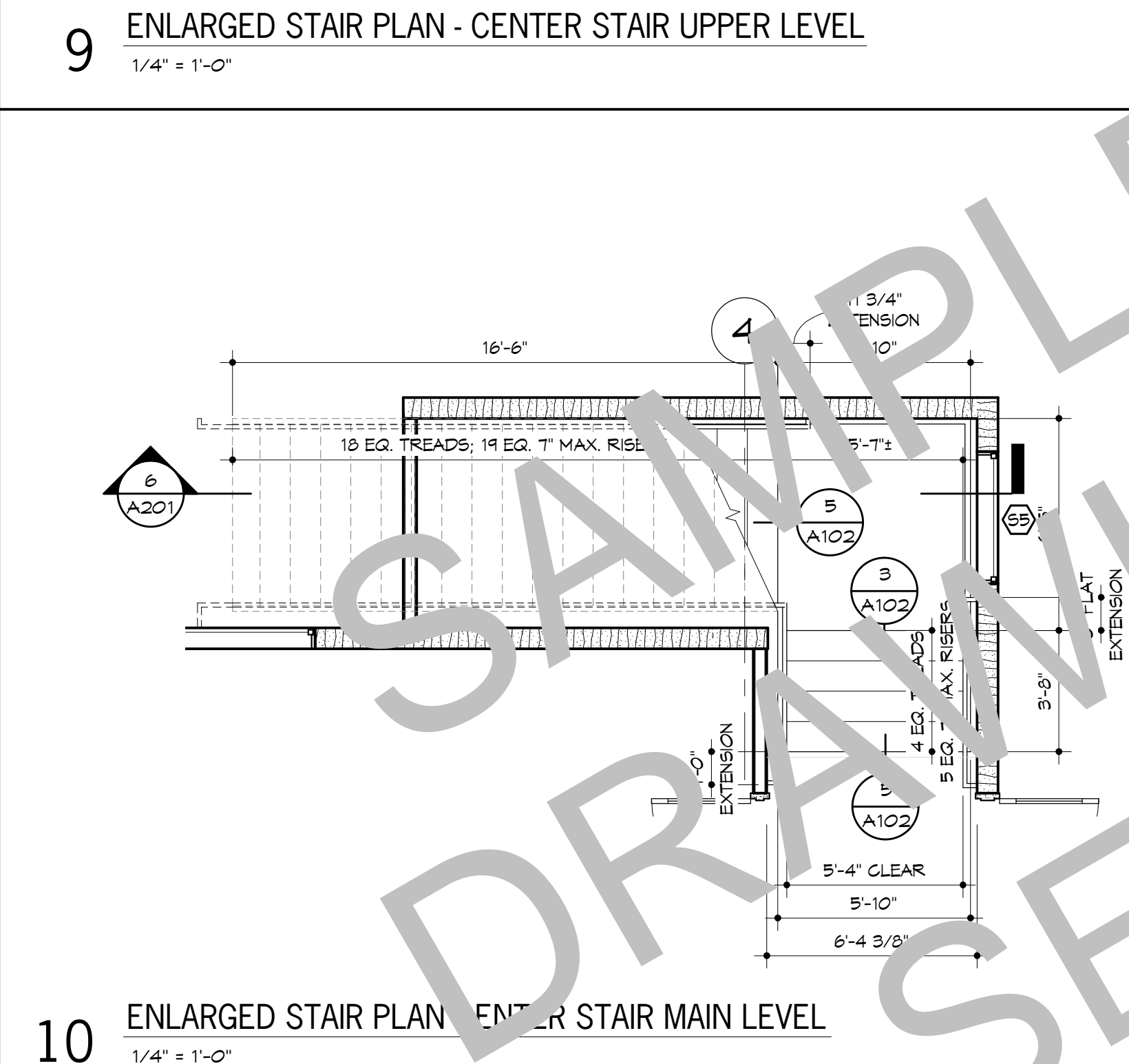
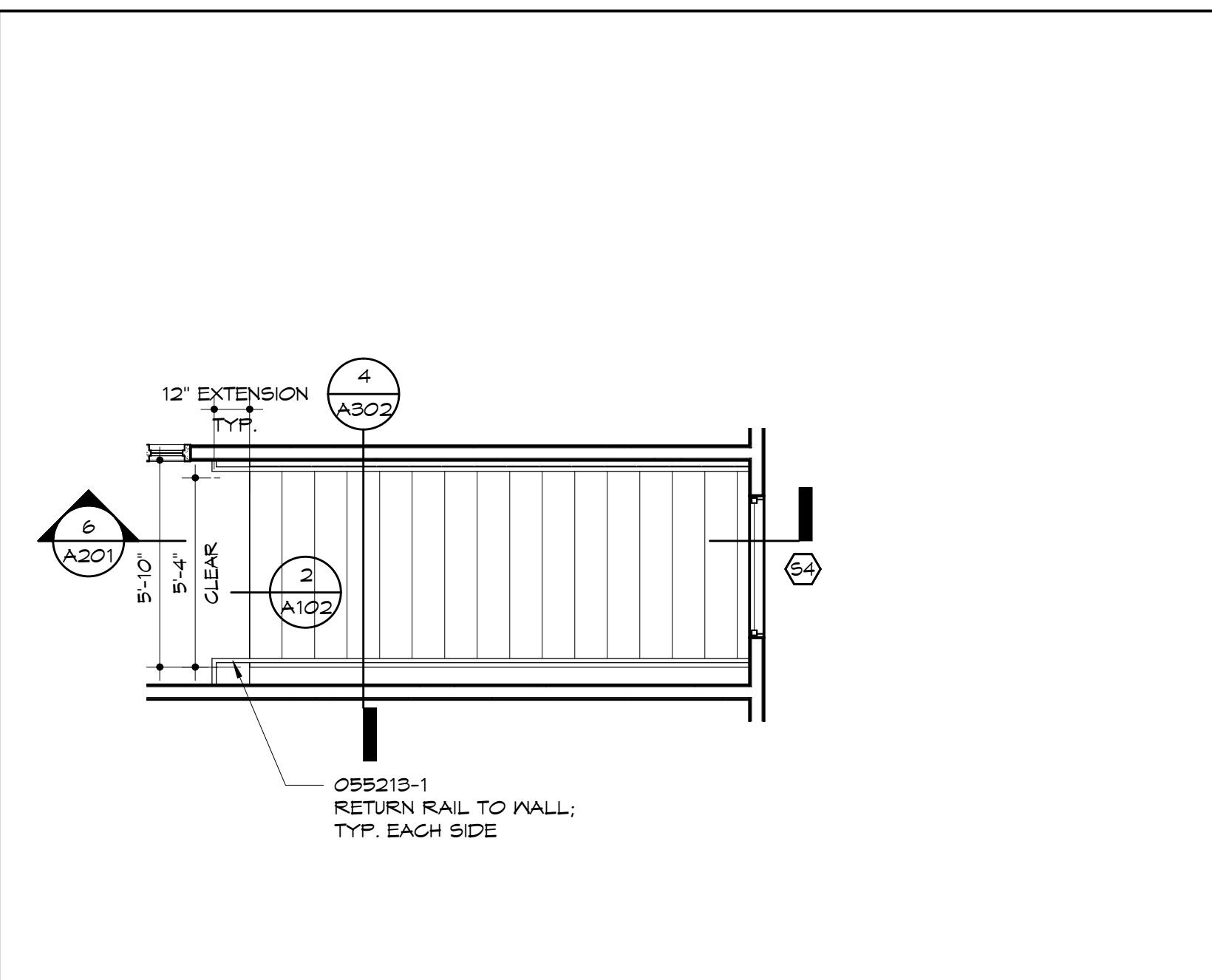
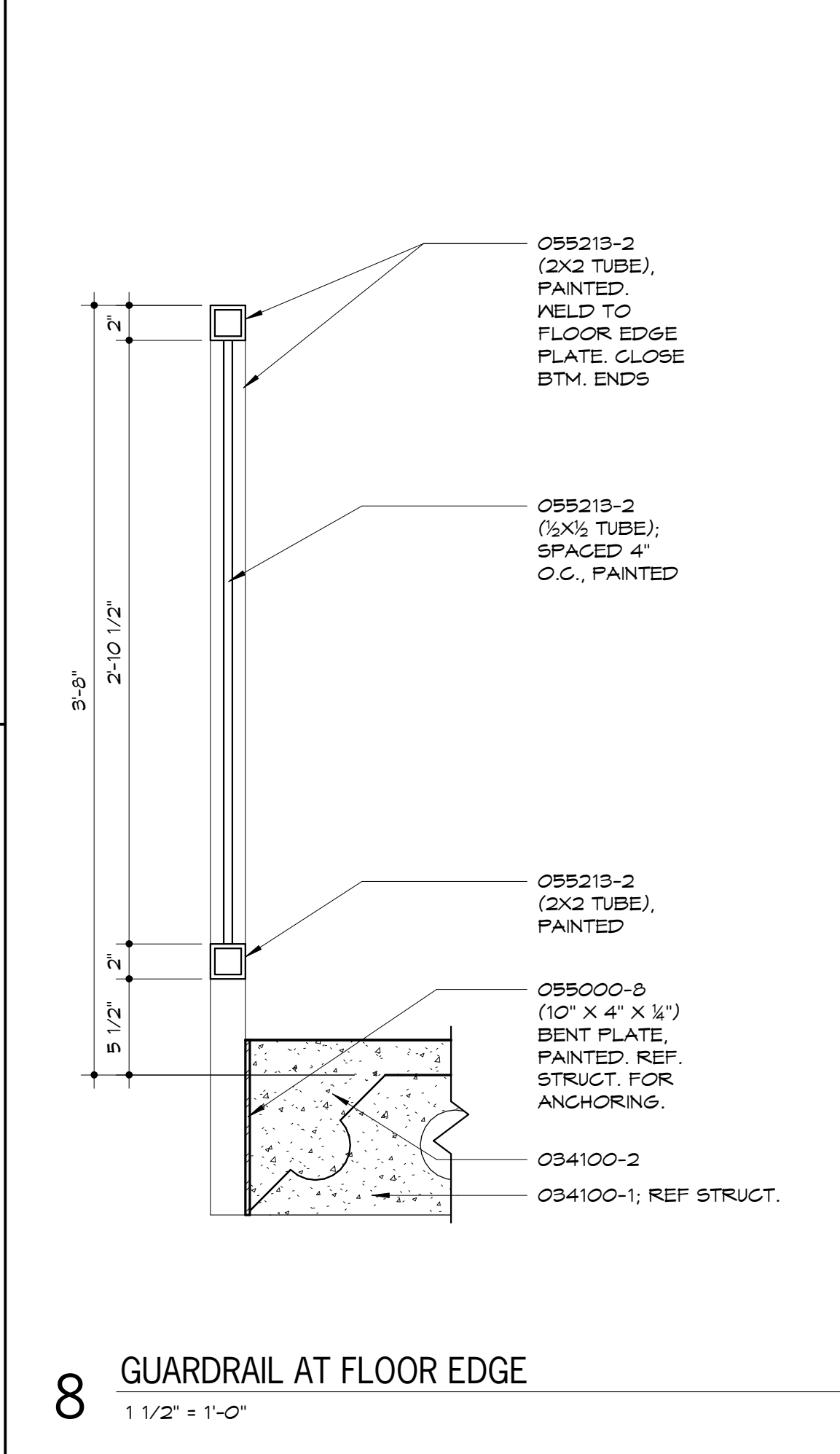
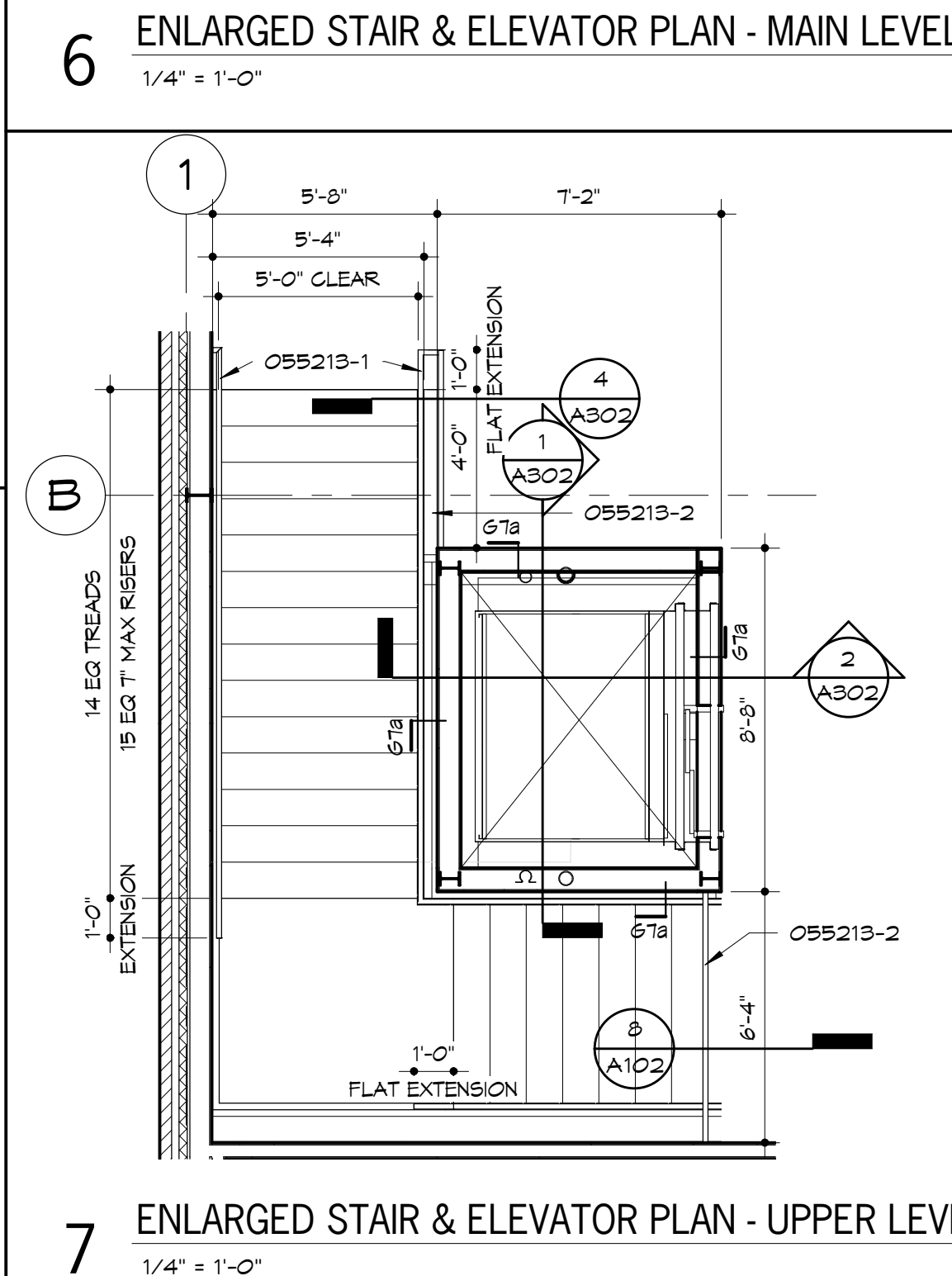
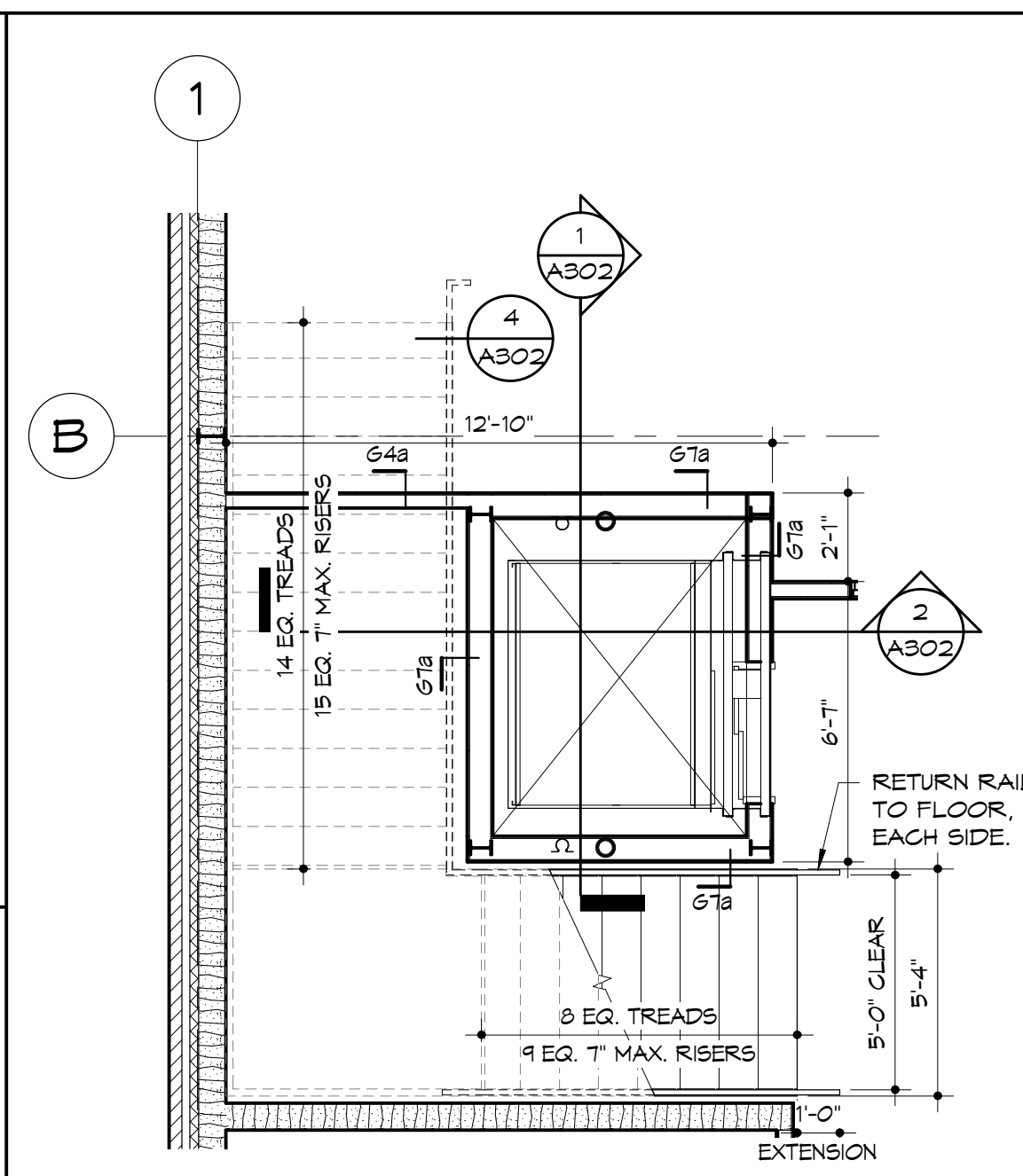
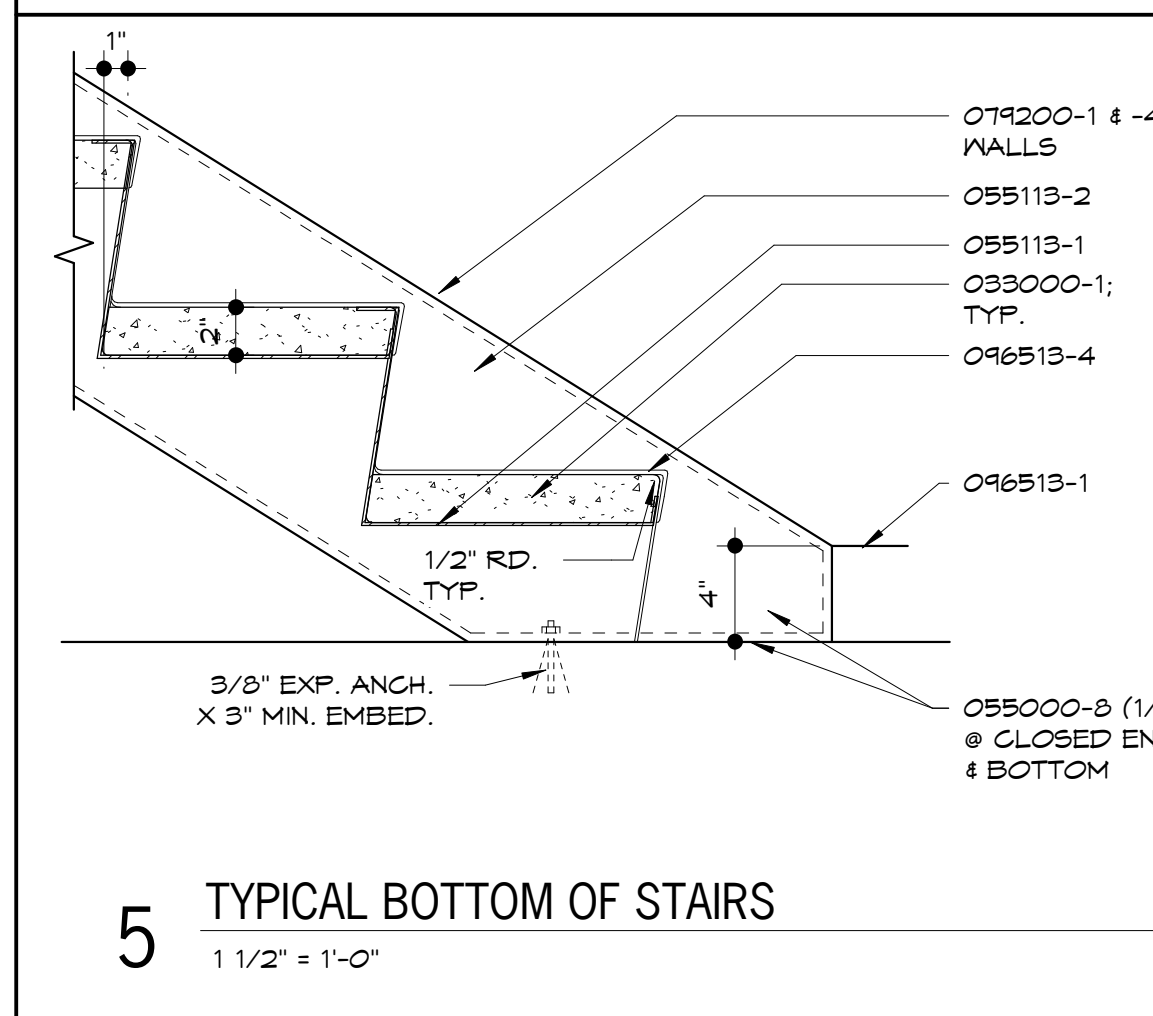
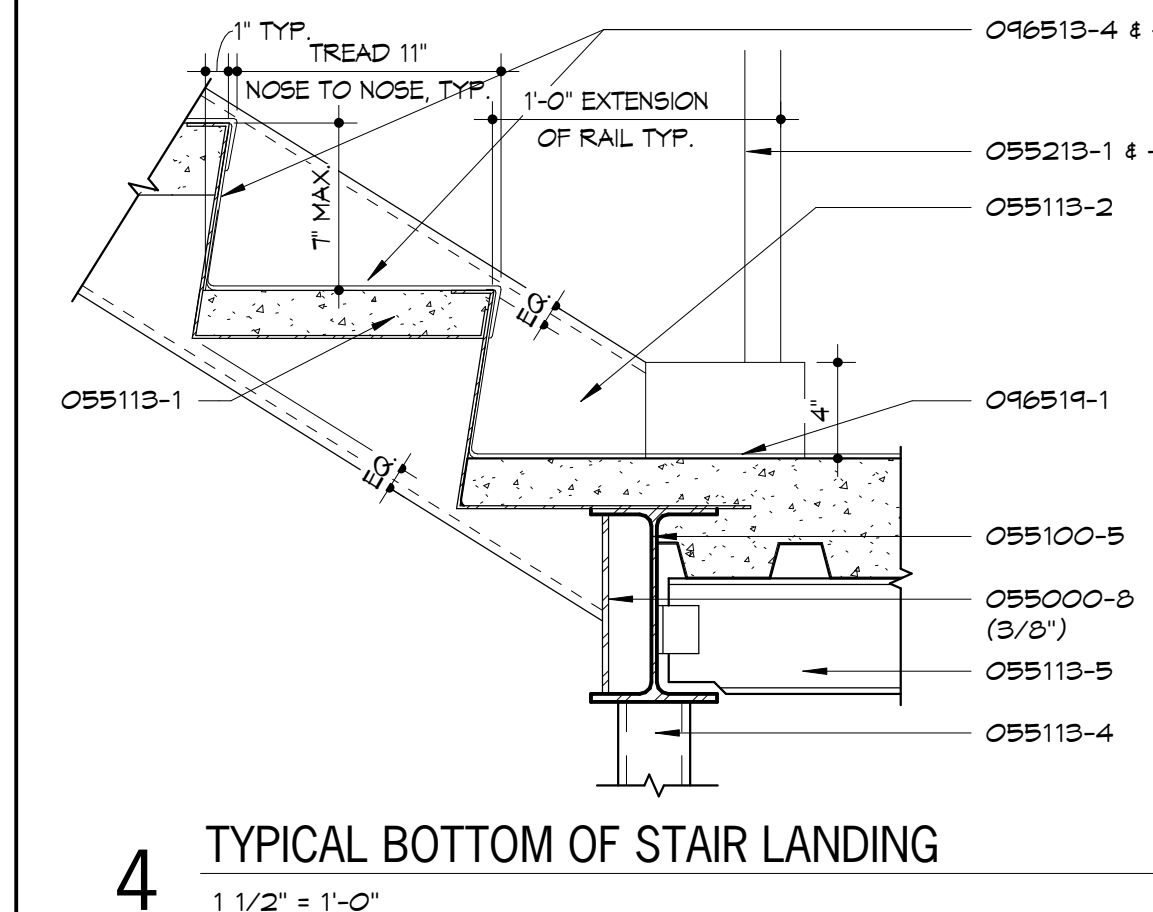
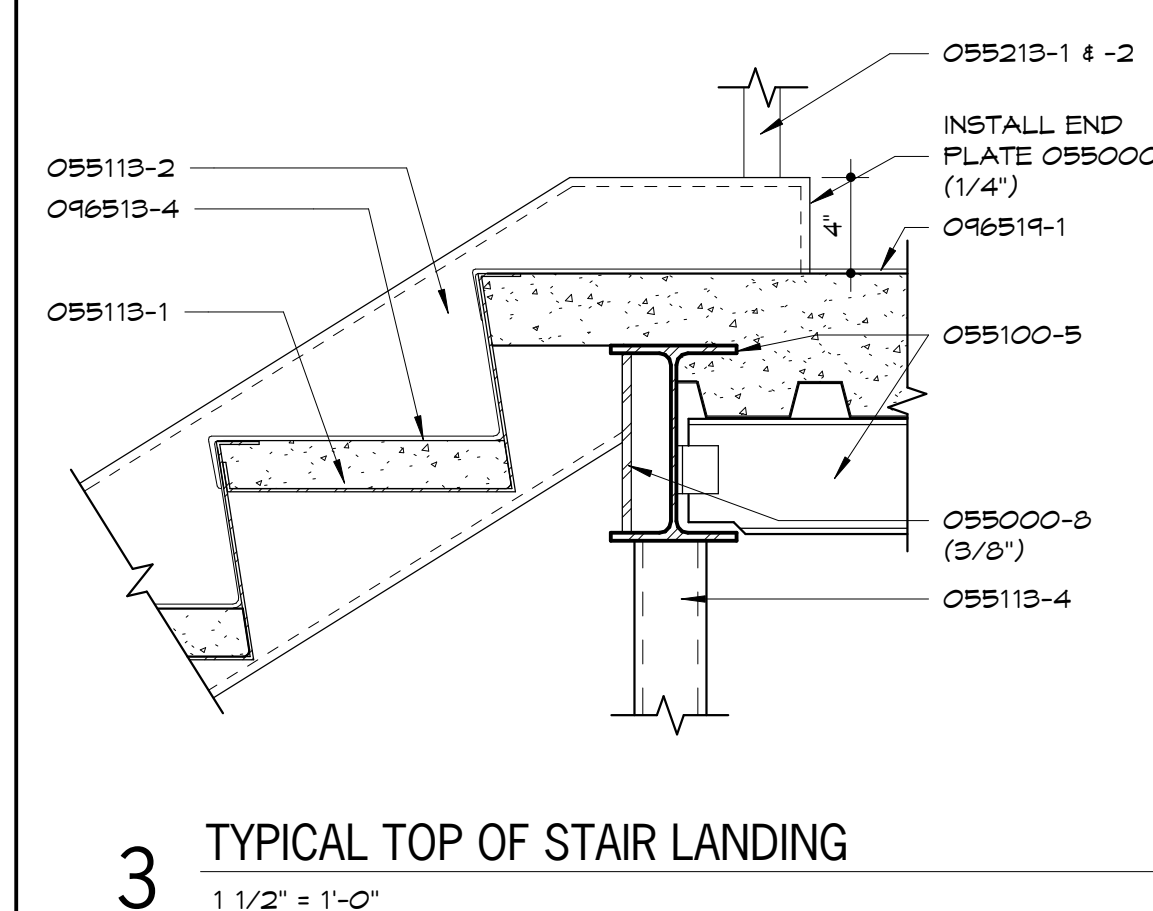
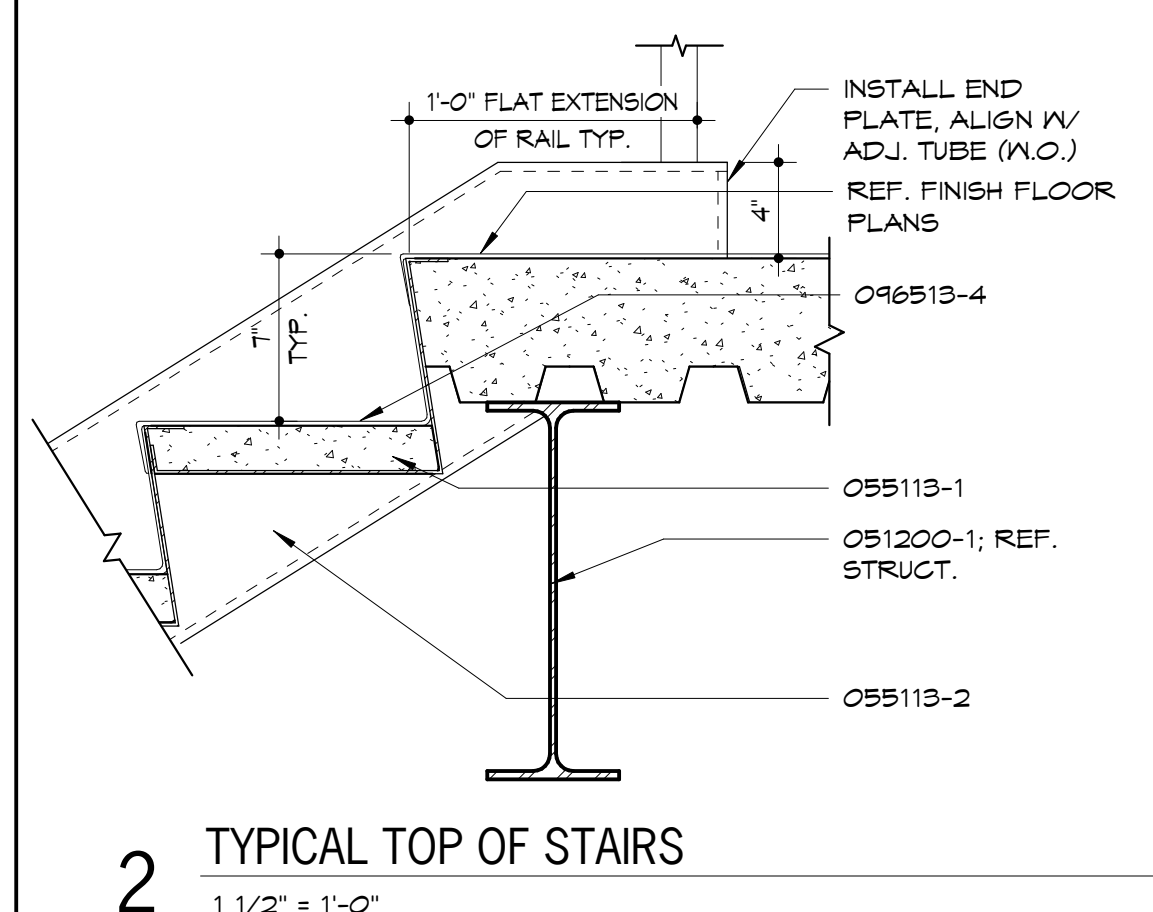
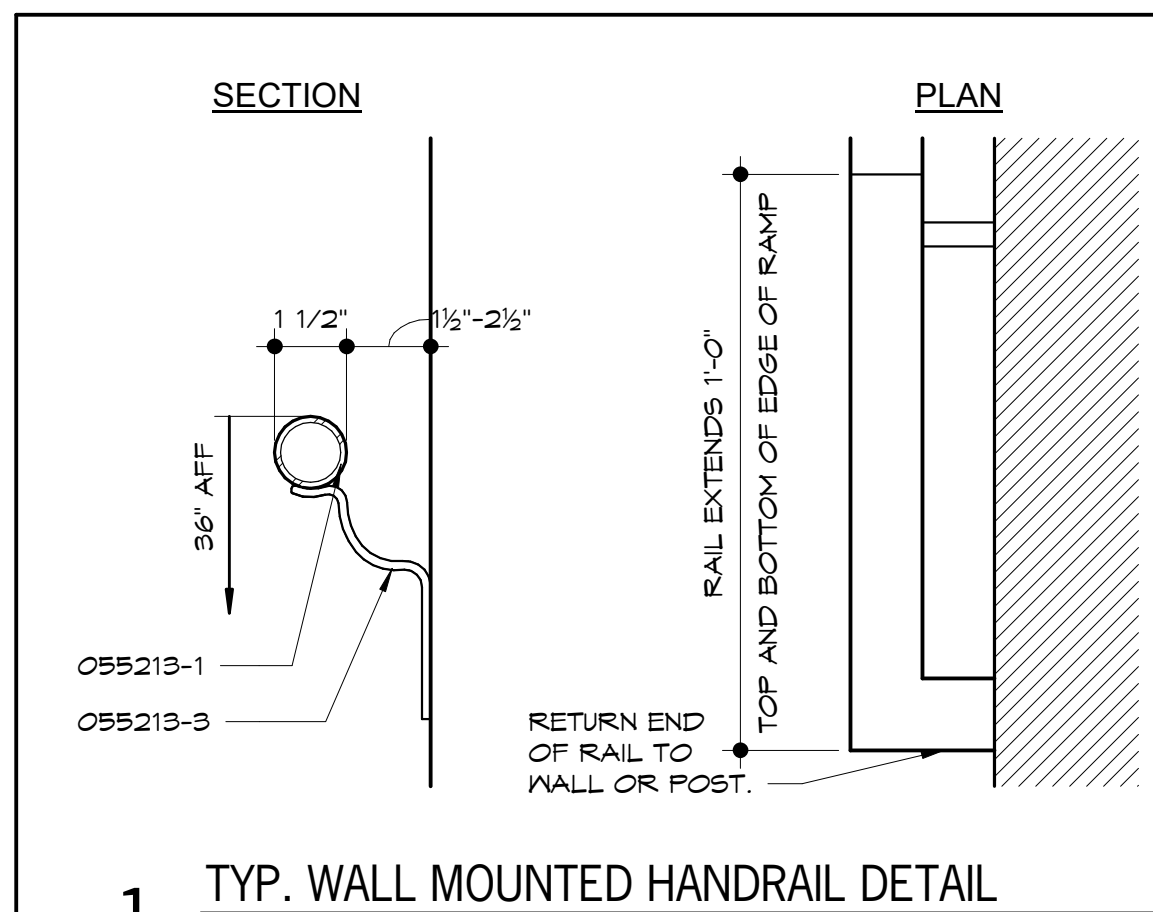
1 ARCHITECTURAL FLOOR PLAN - MAIN LEVEL
1/8" = 1'-0"

NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

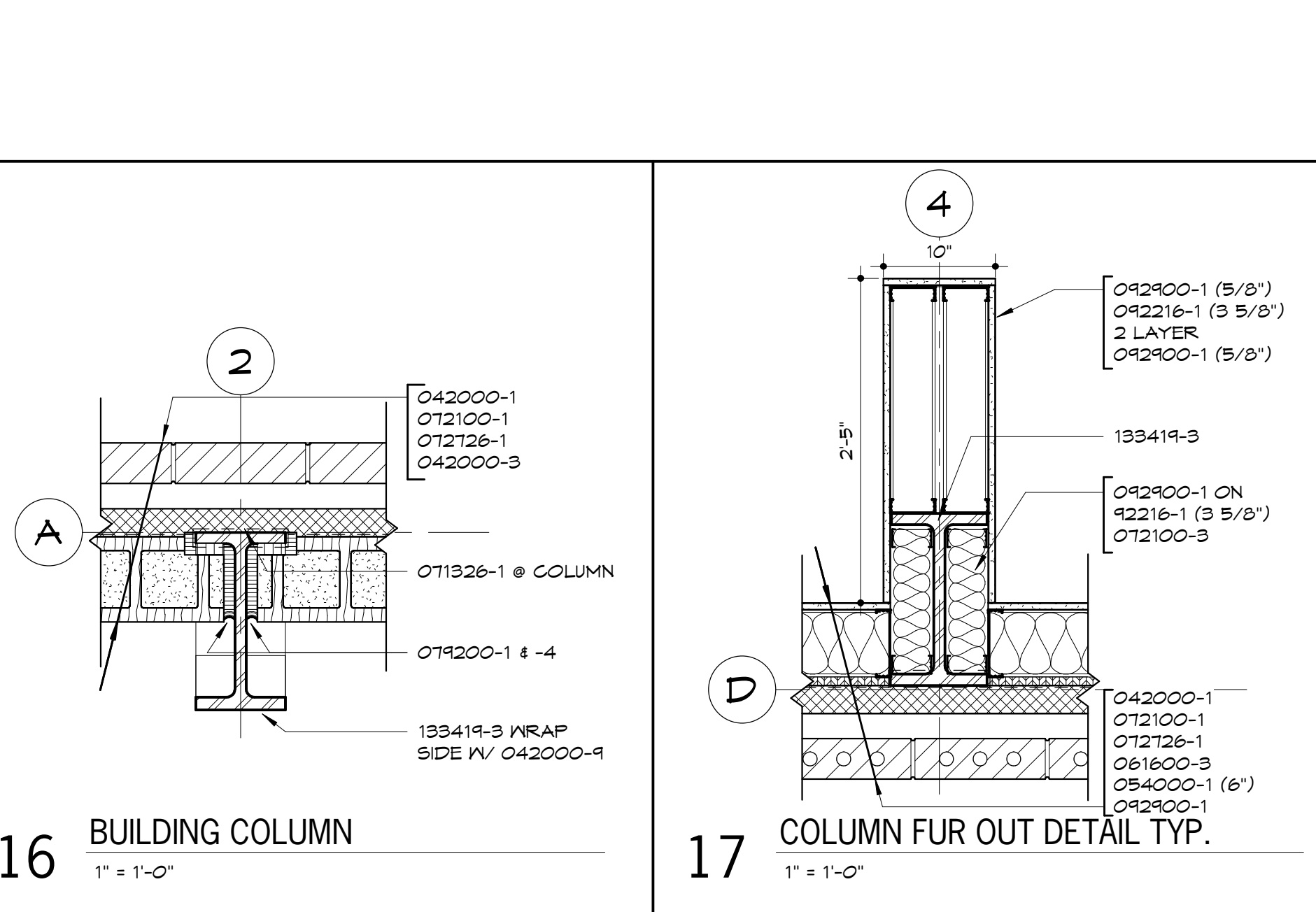
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NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN.

EXISTING TO REMAIN



ROOM FINISH SCHEDULE									
ROOM	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	NOTES	
10	HALLWAY	RES	RES	EPT	EPT	EPT	EPT	3	
10	AG SHOP	SC	RB	EPT, RES	EPT, LP	EPT, LP	EPT, LP	3	
103	GREENHOUSE	SC	---	---	---	---	---	4	
104	CLRM	RES	RES	EPT	EPT	EPT	EPT	2	
105	LAB	RES	RES	EPT	EPT	EPT	EPT	2, 3	
106	CL	RES	RES	LPT	LPT	LPT	LPT		
107	MECH	SC	RB	LPT	LPT	LPT	LPT		
107B	EQUIP.	SC	RB	LPT	LPT	LPT	LPT		
108	RR	RES	RES	EPT, RES	EPT, RES	EPT, RES	EPT, RES	2, 3	
109	WOMEN	RES	RES	EPT, RES	EPT, RES	EPT, RES	EPT, RES	2, 3	
110	MEN	RES	RES	EPT, RES	EPT, RES	EPT, RES	EPT, RES	2, 3	
111	J.	RES	RES	EPT, RES	EPT, RES	EPT, RES	EPT, RES	3	
112	HALLWAY	RES	RES	EPT	EPT	EPT	EPT		
200	AS LAB	RES	RES	EPT	EPT	EPT	EPT		
201	MECH	SC	RB	LPT	LPT	LPT	LPT		
202	STORAGE	RES	RES	EPT	EPT	EPT	EPT		
203	OFFICE	RES	RES	EPT	EPT	EPT	EPT		
204	COMPETITION RM	RES	RES	EPT	EPT	EPT	EPT	2	
205	AS LAB	RES	RES	EPT	EPT	EPT	EPT		
206	KITCHEN	RES	RES	EPT	EPT	EPT	EPT	2	
207	MEZZ	SC	RB	EPT	EPT	EPT	EPT		
208	RR	RES	RES	EPT, RES	EPT, RES	EPT, RES	EPT, RES	2, 3	
209	WOMEN	RES	RES	EPT, RES	EPT, RES	EPT, RES	EPT, RES	2, 3	
210	MEN	RES	RES	EPT, RES	EPT, RES	EPT, RES	EPT, RES	2, 3	
211	IT	RES	RB	LPT	LPT	LPT	LPT		
220	SKY BRIDGE	RES	---	---	---	---	---	1	
301	HALL	PT	PT	---	---	---	---		
E1	ELEV.	PT	PT	---	---	---	---		
S1	STAIR	RTR, RT	RB	EPT	EPT	EPT	EPT		
S2	STAIR	RTR, RT	RB	EPT	EPT	EPT	EPT		



NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

KEYNOTES

Note: Keynotes are drawn from a master list. It may not be sequentially numbered. Sizes (EX: 2x4) or other info. following keynote on drawings indicates criteria for those materials/locations which may differ from the std. material specified.

035000-1	CONCRETE STRUCTURE	051113 -1	HOLLOW METAL DOOR
-2	CONCRETE FLOOR SLAB	-2	HOLLOW METAL FRAME
-3	VAPOR BARRIER	-3	FRAME ANCHOR
-4	WELDED WIRE FABRIC	-4	LOUVER
-5	STEEL REINFORCING BAR	-5	PLASTER GUARD
-6	RUSTICATION JOINT	054116 -1	FLUSH ACCESS DOOR
-8	DOVETAIL ANCHOR	053613 -1	SECTIONAL OVERHEAD DOOR
-10	PREHOLEDED JOINT		
034100-1	PRECAST CONCRETE FLOOR	-2	SECTIONAL OVERHEAD DOOR TRACK
034500-1	PRECAST CONCRETE SILL	-3	NEATHERSTRIPPING ALUMINUM ENTRANCE DOOR
-2	PRECAST CONCRETE FRAME	-2	ALUMINUM STOREFRONT
-3	STEEL EMBED PLATE	-3	RECEIVER
-4	STEEL EMBED ANGLE	-4	FLASHING
-5	BAR SLUG	-5	ANCHOR
042000-1	STEEL ANGLE	-6	FRP DOOR AND FRAME
-2	FACE BRICK	050000-1	SHADING (AS SCHEDULED)
-3	CONCRETE MASONRY UNIT- LIGHTWEIGHT (")	042216 -1	STEEL STUD (")
-4	WIRE REINFORCING	-2	STEEL STUD RUNNER (")
-5	METAL TE/ANCHOR	3	TURNS CHANNEL
-6	THROUGH WALL FLASHING	-7	CONTROL JOINT STRIP
-7	BOND BEAM (")	-8	GYPSUM BOARD (")
-8	COMPRESSIBLE FILLER	-9	FIRE RATED GYPSUM BOARD
-10	KEEP HOLE/VENT SYSTEM	-4	METAL SUSPENSION
-11	CAVITY DRAINAGE MATERIAL	-5	ACOUSTICAL SEALANT
-12	TERMINATION BAR	-6	ACOUSTICAL INSULATION(")
051200-1	STEEL BEAMS	-7	METAL EDGE TRIM
-2	STEEL COLUMN	-8	AUXILIARY SUPPORT
-3	STEEL TUBE	-9	FRAMING
055100-1	METAL DECKING	-4	METAL CONTROL JOINT
054000-1	STRUCTURAL STEEL STUDS	-10	HIGH IMPACT GYPSUM BOARD
055000-1	STEEL ANGLE	050313 -1	CERAMIC TILE
-2	STEEL CHANNEL	050113 -1	ACOUSTICAL PANEL (X")
-3	STEEL LINTEL	-2	CEILING SUSPENSION SYSTEM
-4	STEEL PIPE	-3	EDGE MOLD TRIM
-5	STEEL TUBE	-4	AUXILIARY SUPPORT
-6	STEEL PLATE	-5	RESILIENT WALL BASE
055113 -1	METAL PAN STAIRS	-2	EDGE STRIP
-2	METAL STAR STRINGER	-3	METAL EMBED PLATE
-3	METAL EMBED PLATE	-4	RESILIENT STAIR TREAD SURFACE
-4	COLUMN	-5	RESILIENT STAIR RISER
055213 -1	HANDRAIL	-6	RESILIENT STAIR NOSE
-2	GUARDRAIL	055114 -1	RESILIENT TILE FLOORING
-3	HANDRAIL WALL BRACKET	055123 -1	RESINOUS FLOORING
061000-1	2X WOOD VALER (")	-2	RESINOUS BASE
-2	2X WOOD BLOCKING (")	-3	RESINOUS WALL
-3	3X WOOD CONTINUOUS (")	-4	SOUND-ABSORBING
-4	FLYWOOD BACKER	054433 -1	CEILING INT
061600-1	SHEATHING	051113 -1	EXTERIOR PAINT
-2	FIBERGLASS SHEATHING	051213 -1	INTERIOR PAINT
-3	FLYWOOD (")	101100 -1	MARKERBOARD
-4	PANEL SIGNAGE	101200 -1	TAGBOARD
054116 -1	1/2" CHAMFER @ TOP OF PANEL	101423 -1	PANEL SIGNAGE FOLDING PANEL
		102234 -1	PARTITION
		102600-1	IMPACT-RESISTANT CORNER GUARD
		102600-1	SCAFFOLDING
		102600-1	TISSUE DISPENSER
		102600-1	TONE DISPENSER
		102600-1	FRAMED MIRROR
		102600-1	SANITARY NAPKIN DISPOSER
071326 -1	SELF-ADHERING SHEET	-1	GRAB BAR
071200-1	FOUNDATION WALL INSULATION (R-)	104413 -1	FIRE EXTINGUISHER CABINET
-2	CAVITY WALL INSULATION (R-)	122413 -1	ROLLER WINDOW SHADES
-3	BUILDING INSULATION - UNFACED (R-)	123616 -1	METAL COUNTERTOP
-4	BUILDING INSULATION - FACED (R-)	123623-13	PLASTIC-LAMINATE-GLAD BELLS
-5	SILL SEALER	131230 -1	PRE-MANUF. GREENHOUSE LEAN PANEL
-6	SAPINS INSULATION	-2	FLASHING
-7	SPRAY-APPLIED INSULATION	-3	GREENHOUSE DOOR
071226 -1	FLUID-APPLIED MEMBRANE AIR BARRIERS	-4	PREENGINEERED BUILDING
074113 -2	ICE AND WATER SHIELD	-5	FRAME
-3	F.R. FLYWOOD	-6	SIRT
-4	INSULATION TAPERED	-7	TURN
-5	INSULATION FLAT	-8	LINER WALL PANEL
074215 -1	COMPOSITE METAL PANEL	-9	REFINISHED ROOF PANEL
074216 -1	PREFINISHED FLASHING	-10	SMPLSEVER INSULATION
075200-1	SOFFIT METAL PANEL	-11	REFINISHED METAL SOFFIT PANEL
-2	SOFFIT METAL FLASHING	-12	REFINISHED METAL FLASHING
-3	TERMINATION BAR	-13	METAL PANEL CLOSURE
011214 -1	ROOF EXPANSION JOINT	-14	BASE ANGLE
071251 -1	SNOW GUARD	-15	FRAMED OPENING HEADER OR JAMB
075413 -1	PENETRATION	-16	VENTED RIDGE CAP AND ACCESSORIES
075446 -1	FIRE-RESISTIVE JOINT SYSTEM	-17	HYDRAULIC ELEVATOR
079200-1	JOINT SEALANT	142400-1	ELEVATOR SILL
-2	GASKET	-3	ELEVATOR DOOR FRAME
079500-1	INTERIOR EXPANSION CONTROL	312000-1	EARTH MOVING
-2	EXTERIOR EXPANSION CONTROL	-3	CONCRETE PAVING JOINT SEALANTS

ROOM FINISH SCHEDULE LEGEND

FLOOR

- PT PORCELAIN FLOOR TILE
- SC SEALED CONCRETE
- RES RESINOUS EPOXY FLOORING
- RTR RUBBER TREADS AND RISERS
- RT RUBBER TILE @ STAIR LANDING

WALL BASE

- PT PORCELAIN TILE
- RB RESILIENT BASE (4" HIGH)
- RES RESINOUS EPOXY COVE BASE

WALLS

- EPT EPOXY PAINT
- LPT LATEX PAINT
- RES RESINOUS EPOXY COATING
- LP LINER WALL PANEL ABOVE CMU

NOTES

GENERAL: PAINT ALL EXPOSED STRUCTURE.

1. STOREFRONT WALLS.

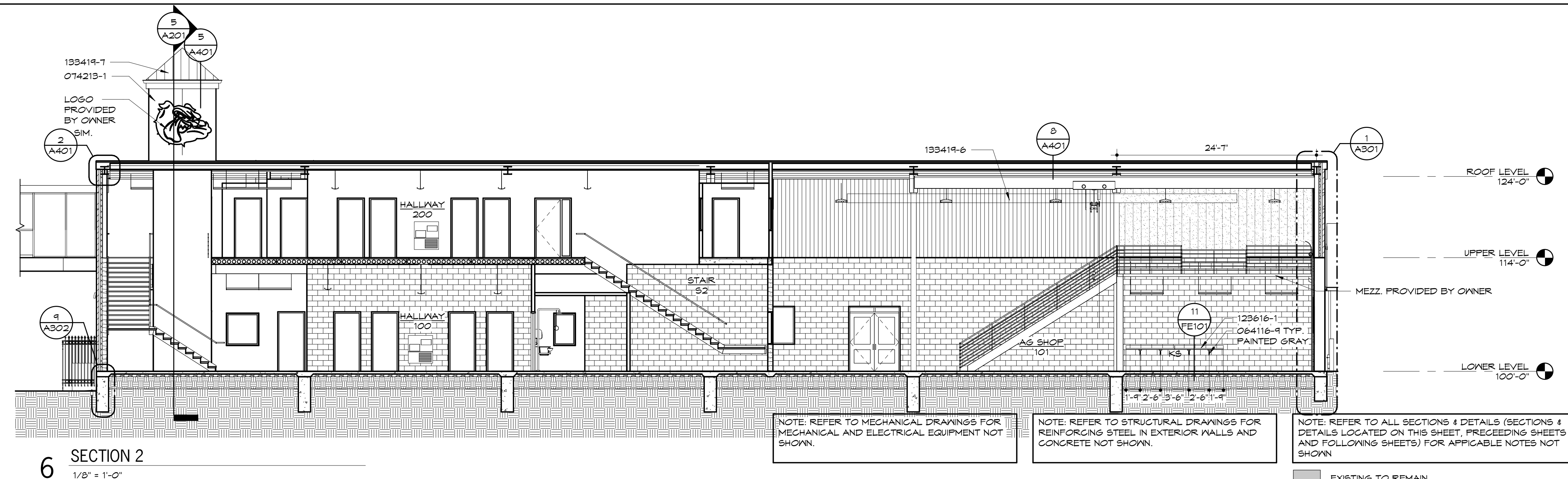
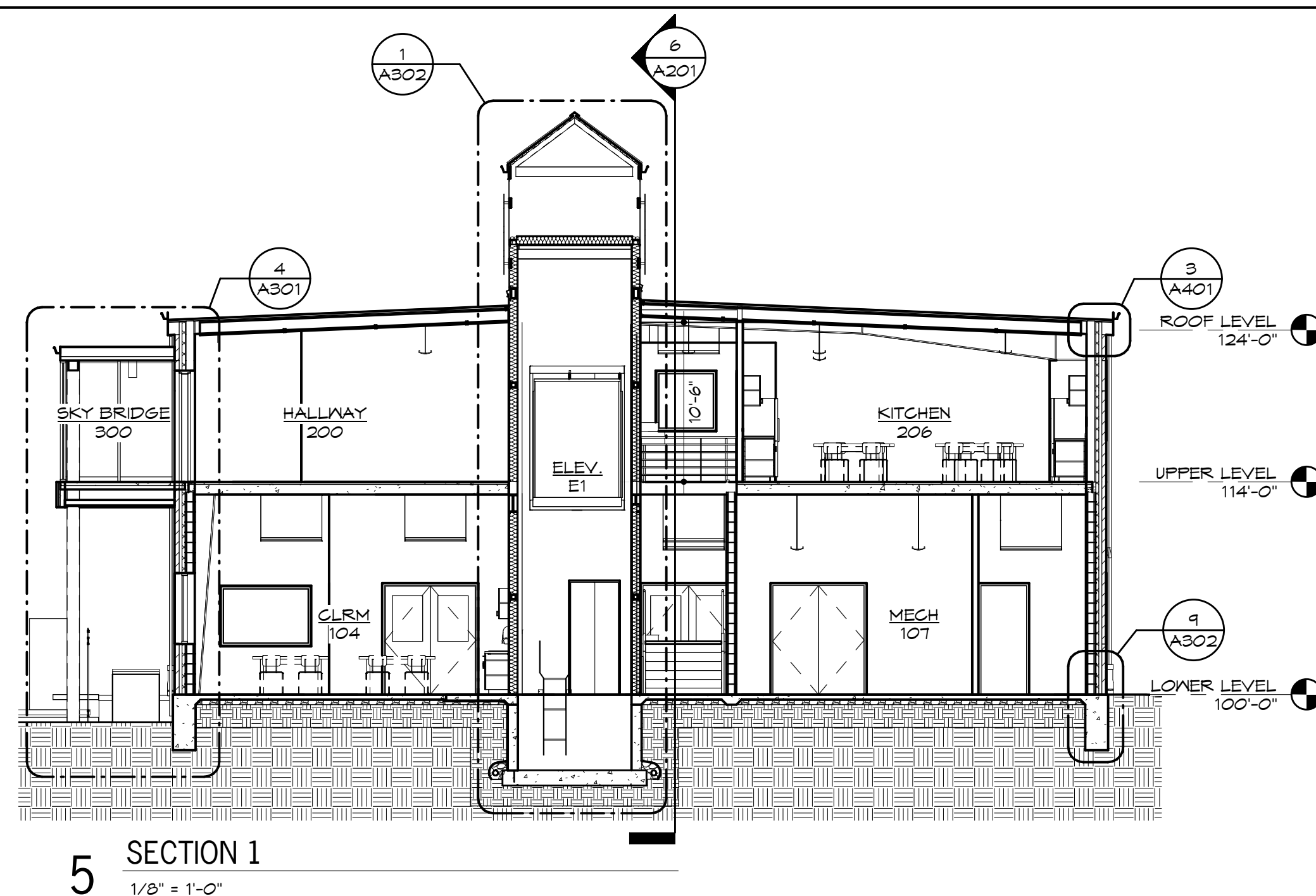
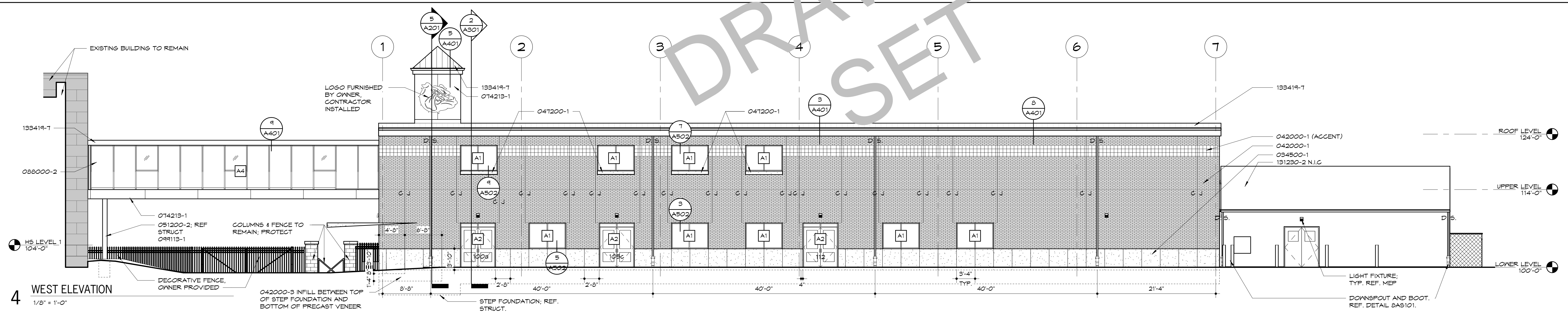
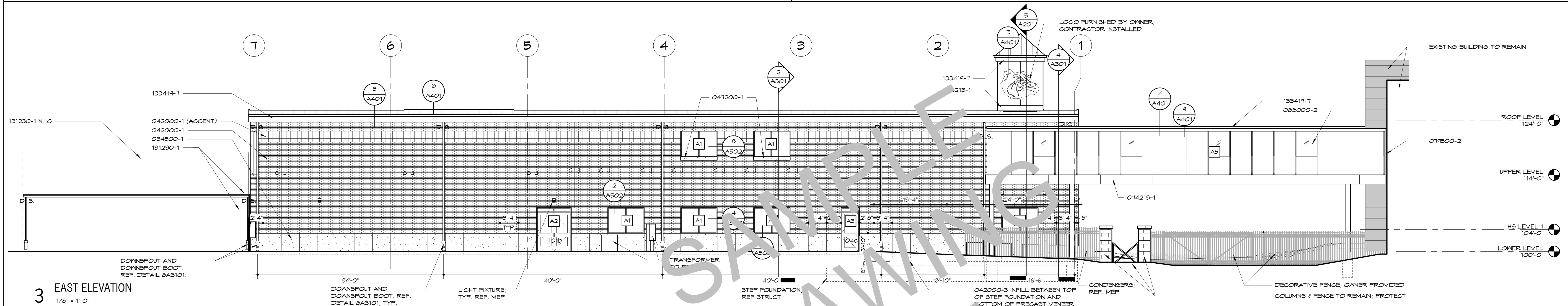
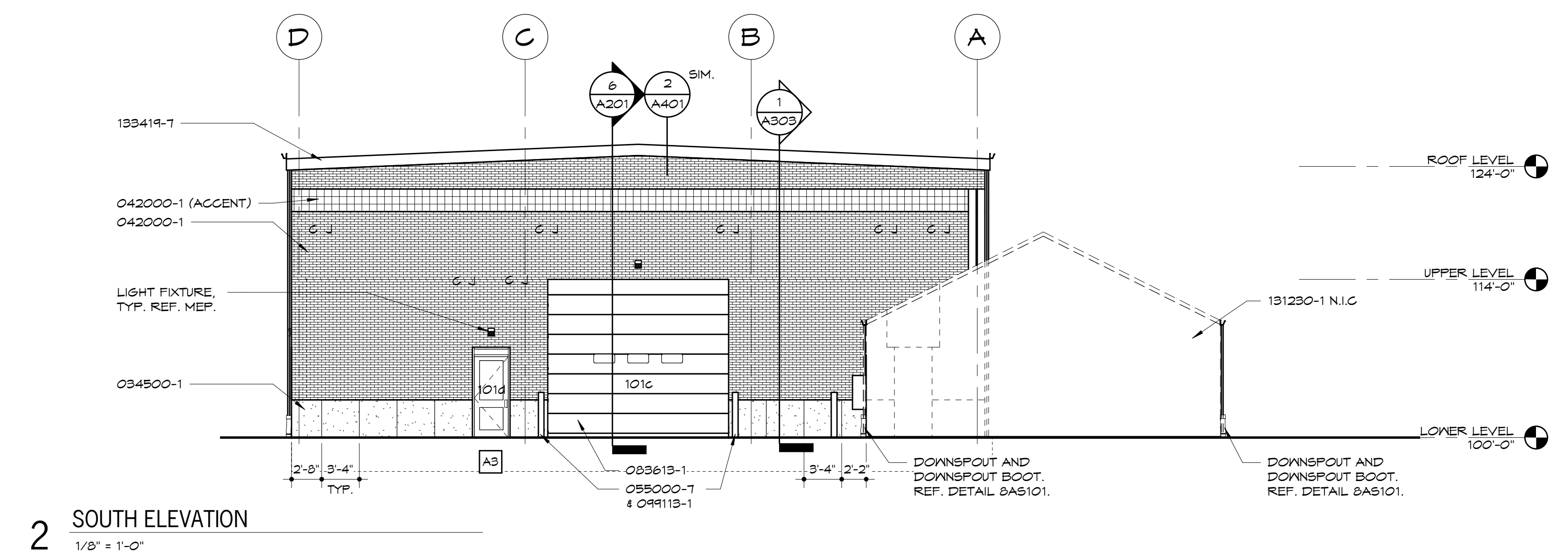
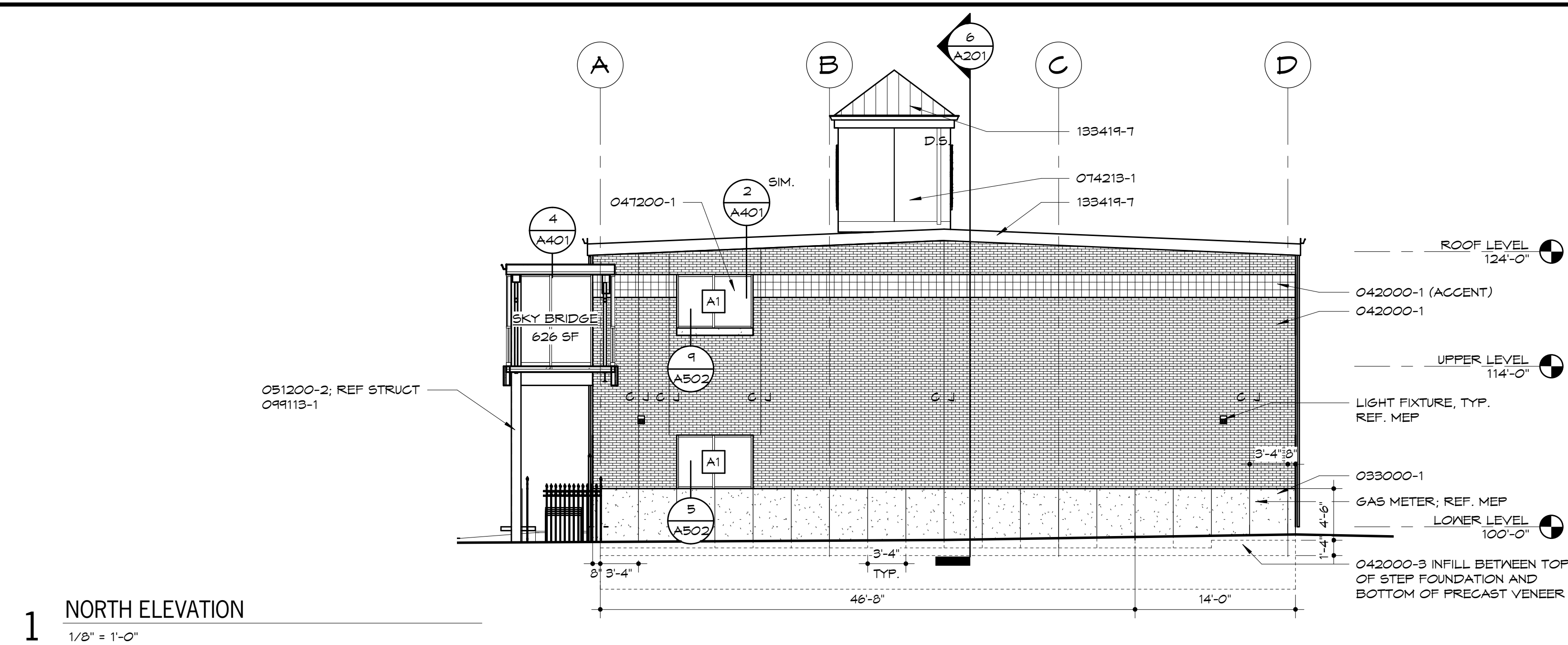
2. ACCENT FAINT COLOR, LOCATION TBD, COLOR TBD.

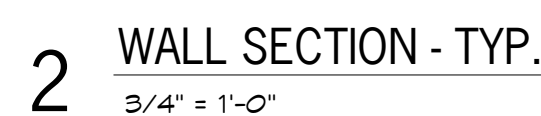
3. RESINOUS COVE BASE UP TO 4'-0" AFF. EPT ABOVE.

4. POLYCARBONATE WALLS.

5. RESINOUS COVE BASE UP TO 4'-0" AFF AS NOTED IN INT. ELEVATION.

EXISTING TO REMAIN





EXISTING TO REMAIN

GROUT SOLID

042000-3
012126-1
012100-2

9'6"

NOT USED

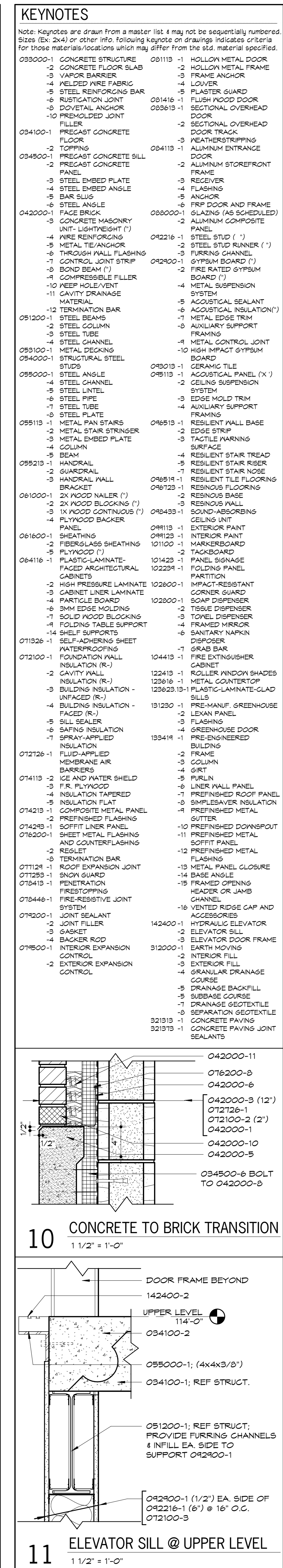
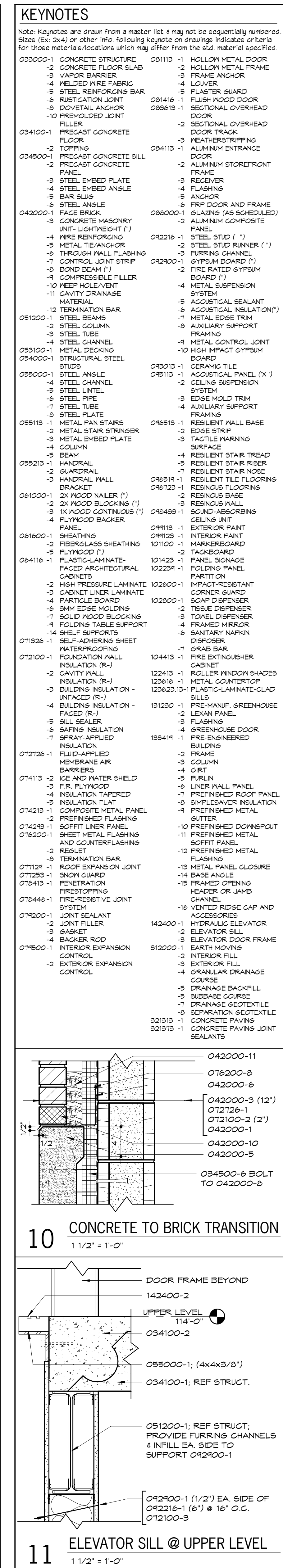
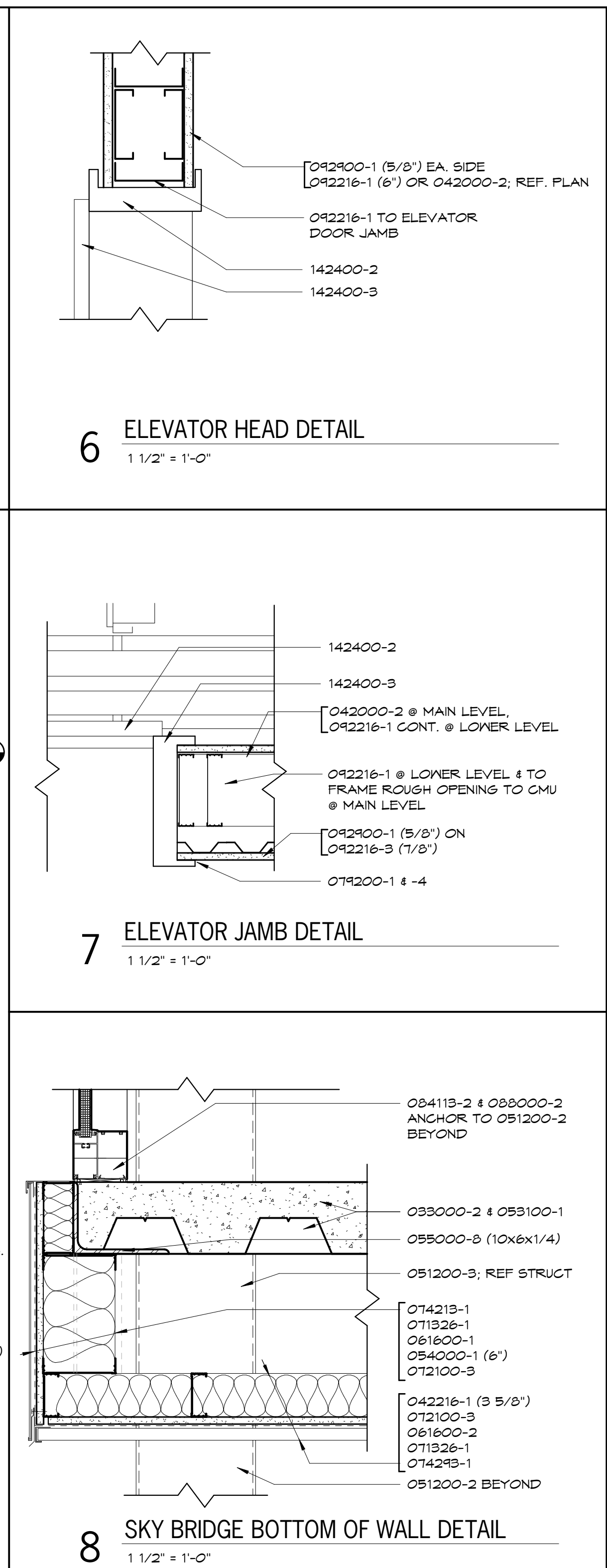
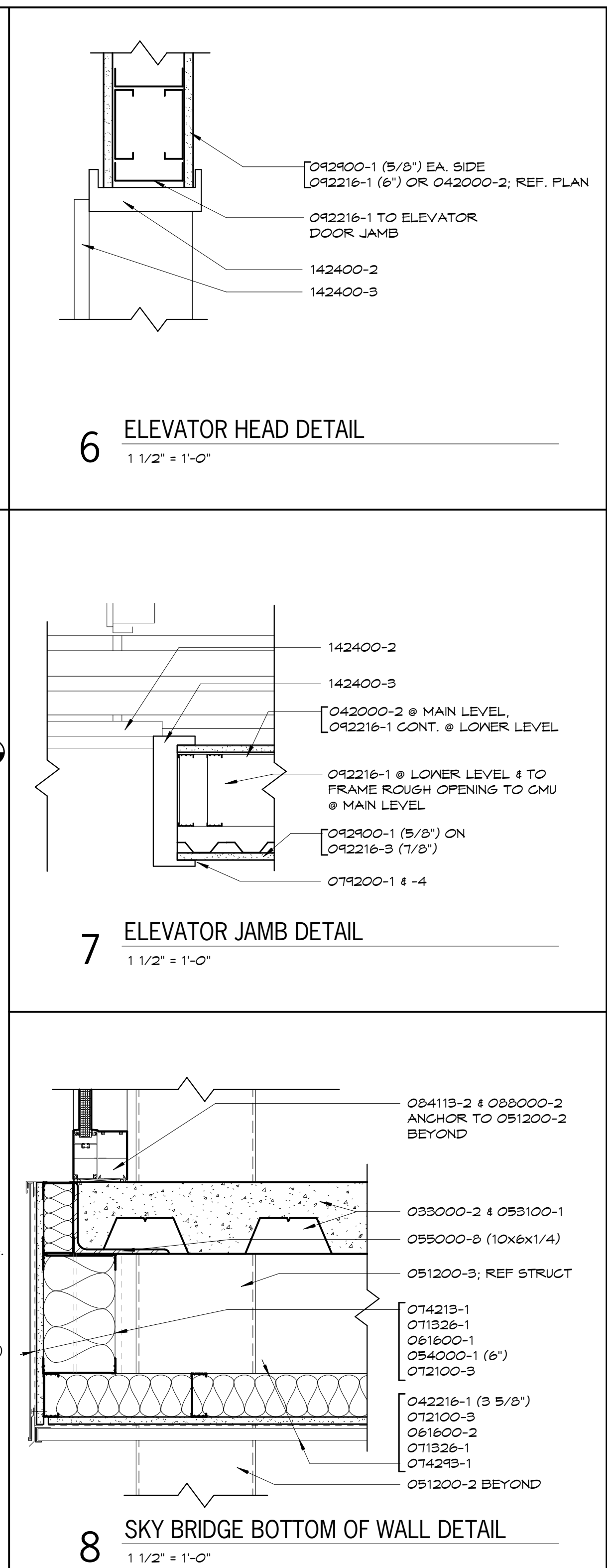
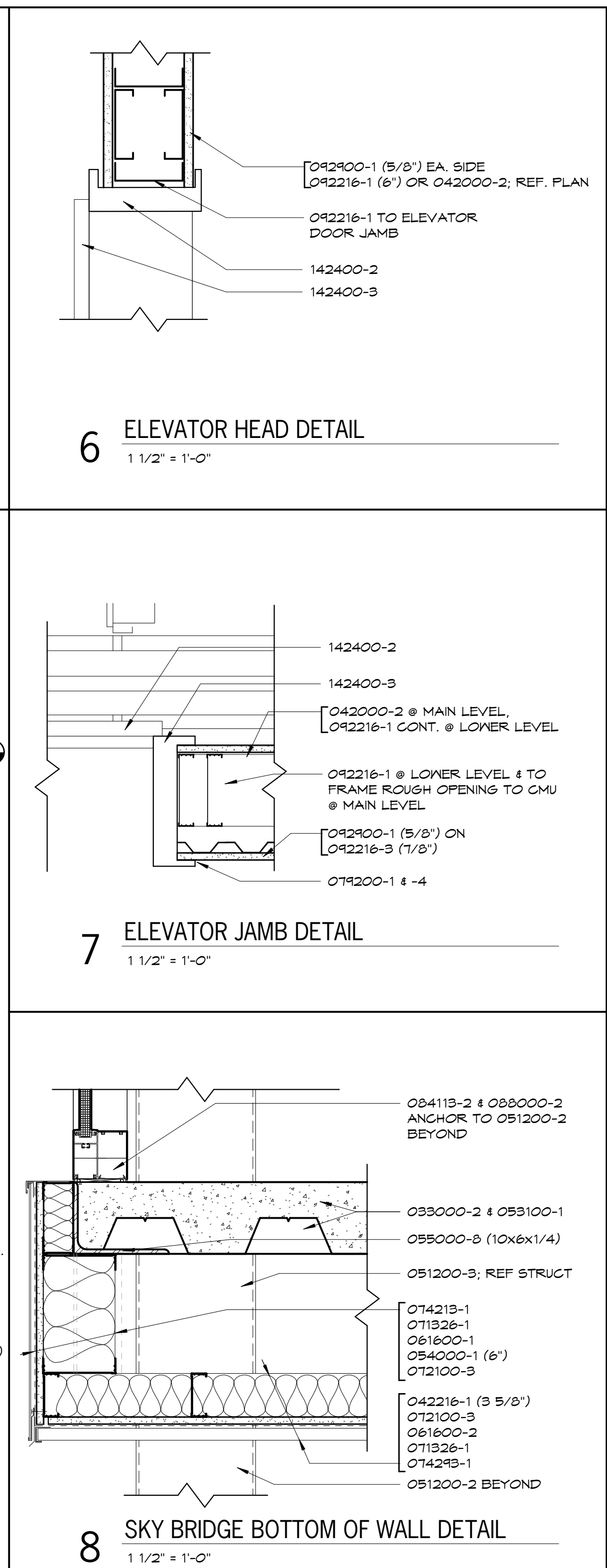
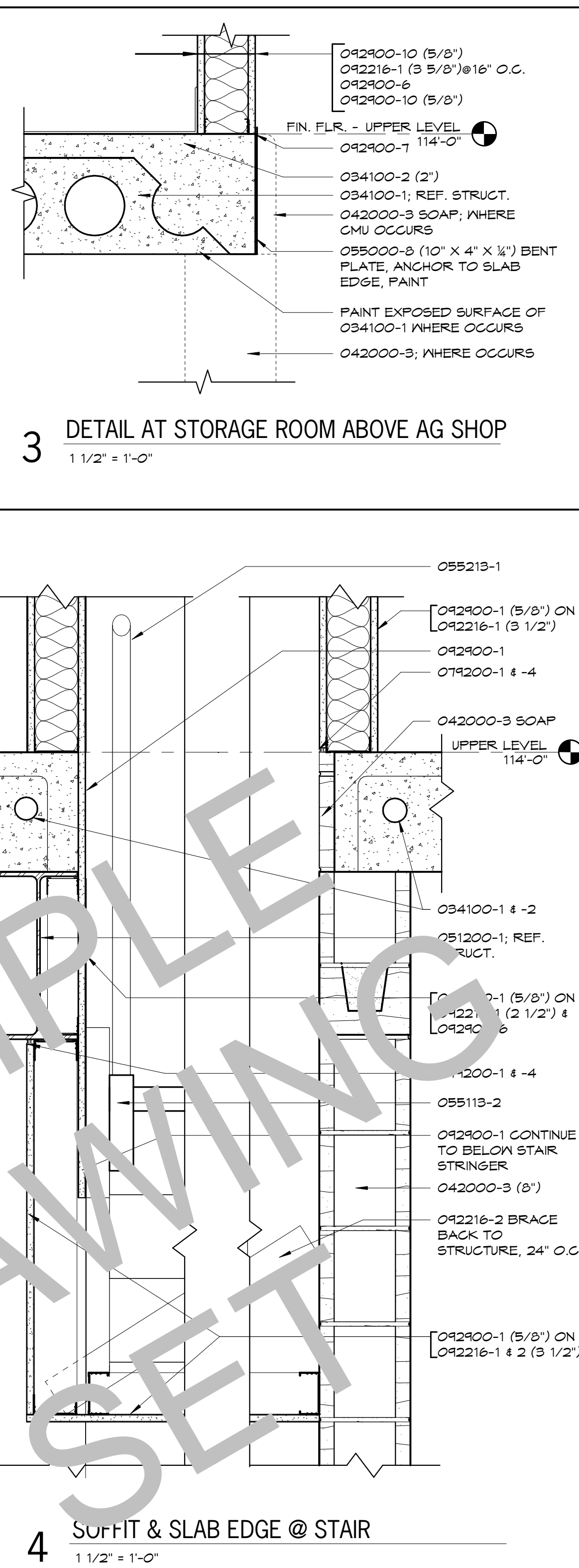
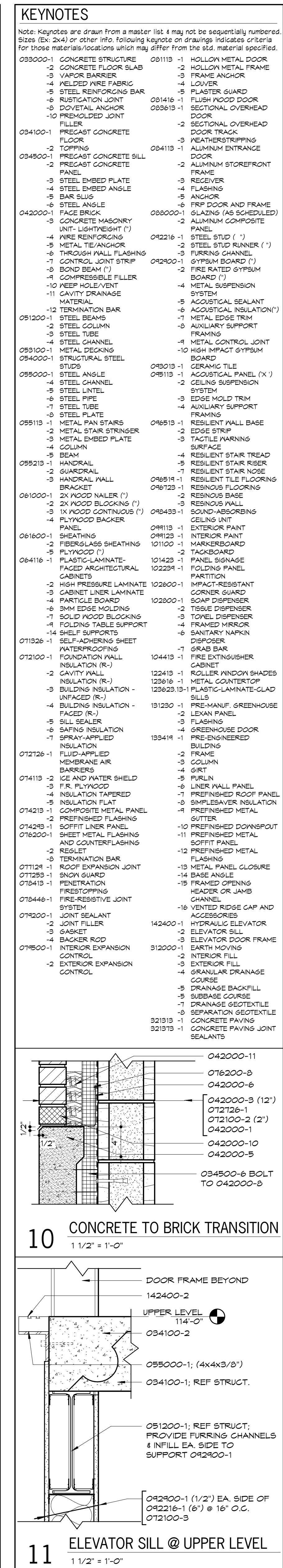
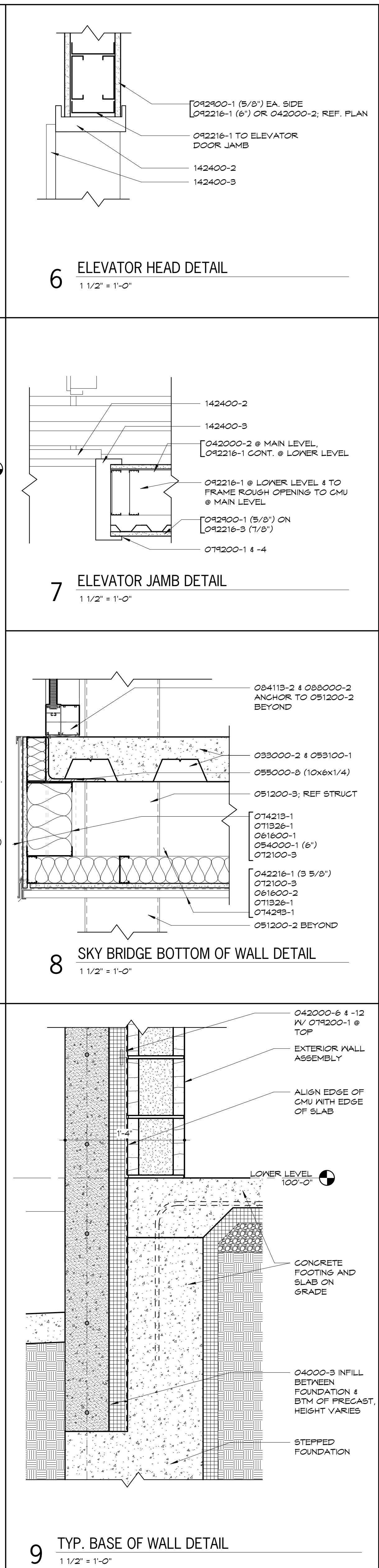
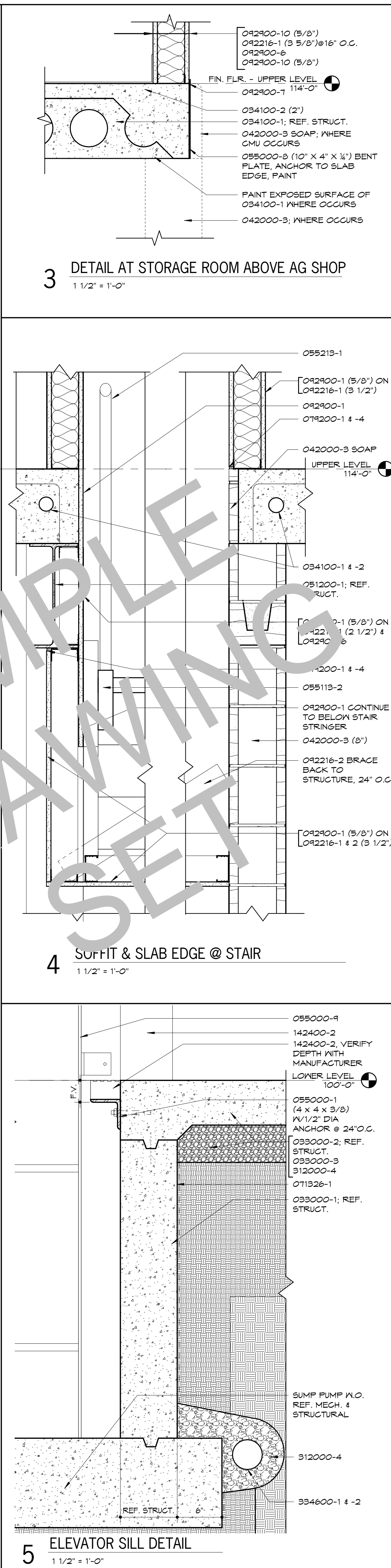
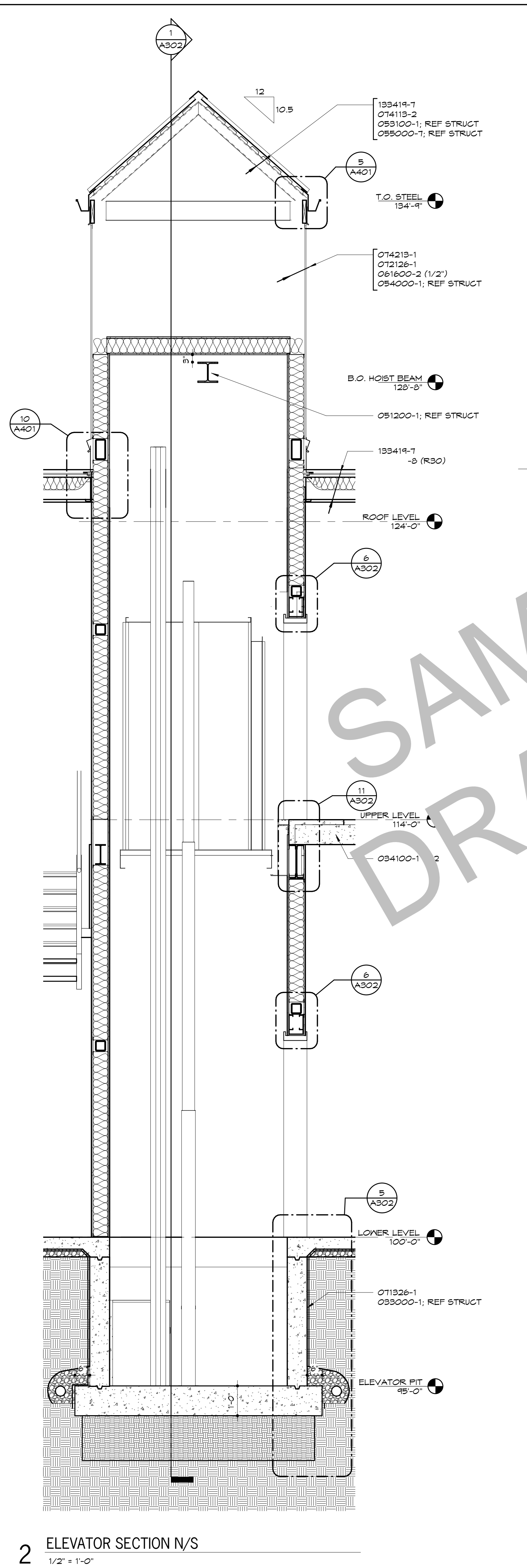
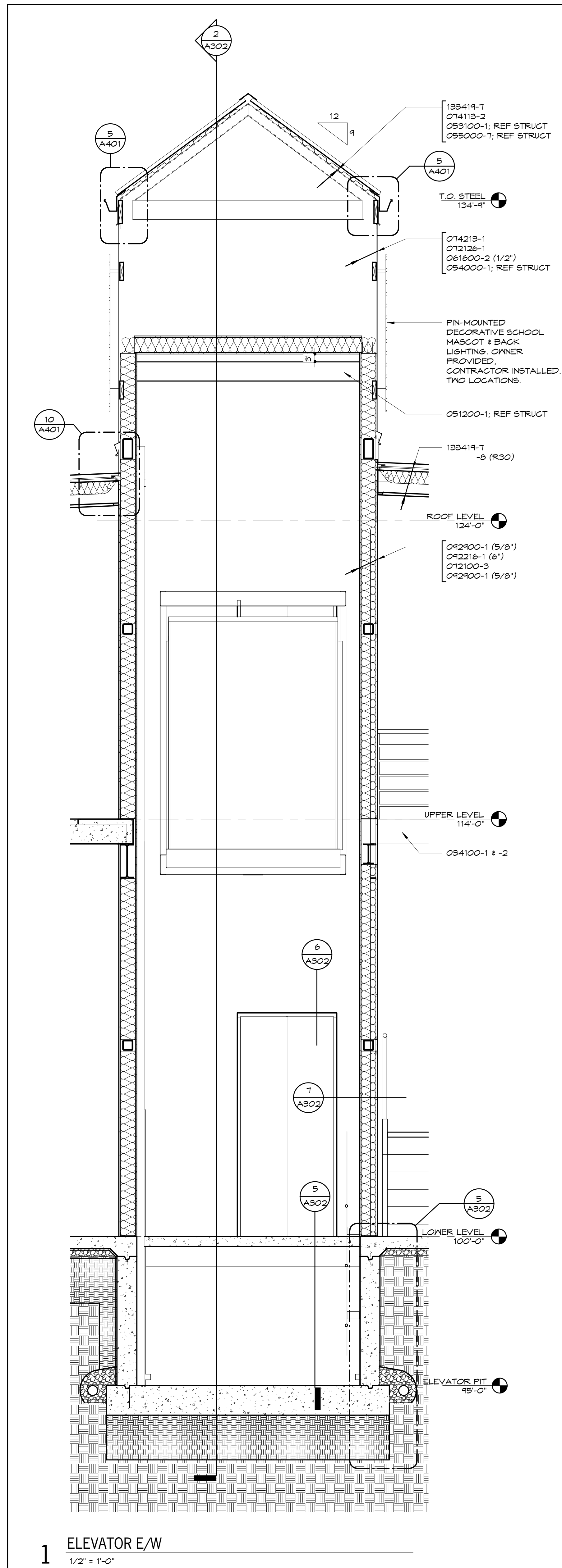
3'3"

5'6"

034500-2
034500-3
-4
-5

012200-1 4-4

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT



KEYNOTES				
Note: Keynotes are drawn from a master list 4 may not be sequentially numbered. Sizes (dx 2x4) or other info following keynote on drawings indicates criteria for those materials/locations which may differ from the std. material specified.				
033000-1	CONCRETE STRUCTURE	081113	-1 HOLLOW METAL DOOR	
-2	CONCRETE FLOOR SLAB	-2	HOLLOW METAL FRAME	
-3	VAPOR BARRIER	-3	FRAME ANCHOR	
-4	WELDED WIRE FABRIC	-4	LOUVER	
-5	STEEL REINFORCING BAR	-5	PLASTER GUARD	
-6	RUSTICATION JOINT	081416-1	FLUSH WOOD DOOR	
-7	DOVETAIL ANCHOR	083013-1	SECTIONAL OVERHEAD DOOR	
-8	PREHUNG JOINT	-2	SECTIONAL OVERHEAD DOOR TRACK	
034100-1	PRECAST CONCRETE FLOOR	084113	-3 WEATHERSTRIPPING	
-2	TOPPING	-4	ALUMINUM ENTRANCE DOOR	
034500-1	PRECAST CONCRETE SILL	-2	ALUMINUM STOREFRONT	
-2	PRECAST CONCRETE PANEL	-3	RECEIVER	
-3	STEEL EMBED PLATE	-4	FLASHING	
-4	STEEL EMBED ANGLE	-5	ANCHOR	
-5	BAR SLUG	-6	FRP DOOR AND FRAME	
042000-1	FACE BRICK	-7	SLABING (AS SCHEDULED)	
-2	CONCRETE MASONRY UNIT, LIGHTWEIGHT (?)	-8	ALUMINUM COMPOSITE PANEL	
-3	WIRE REINFORCING	082216-1	STEEL STUD (")	
-4	METAL TE/ANCHOR	-2	STEEL STUD RUNNER (")	
-5	THROUGH WALL FLASHING	-3	GYPSUM BOARD (?)	
-6	CONTROL JOINT STRIP	082900-1	2X PLASTER GYPSUM BOARD (?)	
-7	BOND BEAM (?)	-4	METAL SUSPENSION SYSTEM	
-8	COMPRESSIBLE FILLER	-5	ACOUSTICAL SEALANT	
-9	KEEP HOLE/VENT SYSTEM	-6	ACOUSTICAL SEALANT	
-10	CAVITY DRAINAGE MATERIAL	-7	METAL EDGE TRIM	
051200-1	STEEL BEAMS	-8	AUXILIARY SUPPORT FRAMING	
-2	STEEL COLUMN	-9	METAL CONTROL JOINT	
-3	STEEL TUBE	-10	METAL DECKING	
-4	STEEL CHANNEL	085013-1	CERAMIC TILE	
-5	STEEL Lintel	085113-1	ACOUSTICAL PANEL (X")	
-6	STEEL PIPE	-2	CEILING SUSPENSION SYSTEM	
-7	STEEL RAIL	-3	EDGE MOLD TRIM	
-8	STEEL PLATE	-4	AUXILIARY SUPPORT FRAMING	
055113	-1	METAL PAN STAIRS	-5	RESILIENT WALL BASE
-2	METAL STAIR STRINGER	-6	EDGE STRIP	
-3	METAL EMBED PLATE	-7	TACKLE MARKING SURFACE	
-4	BEAM	-8	RESILIENT STAIR TREAD	
055213	-1	HANDRAIL	-9	RESILIENT STAIR RISER
-2	GUARDRAIL	-10	RESILIENT STAIR NOSE	
-3	HANDRAIL WALL BRACKET	086813-1	RESILIENT TILE FLOORING	
061000-1	-1	2X WOOD WALKER (?)	-2	RESINOUS BASE
-2	2X WOOD BLOCKING	-3	RESINOUS FLOORING	
-3	1X WOOD CONTINUOUS (?)	-4	RESINOUS WALL	
-4	PLYWOOD BACKER	-5	SOUND-ABSORBING	
061600-1	-1	SHEATHING	-2	CEILING JOINT
-2	FIBERGLASS SHEATHING	-3	EXTERIOR PAINT	
-3	PLYWOOD (?)	-4	INTERIOR PAINT	
-4	PLASTIC-LAMINATE, FACED ARCHITECTURAL CABINETS	-5	MARKERBOARD	
064116	-1	SELF-ADHERING SHEET WATERPROOFING	-2	TACKBOARD
-2	FOUNDATION WALL INSULATION (R-)	-3	PANEL SIGNAGE FOLDING PANEL	
-3	CAVITY WALL INSULATION (R-)	-4	MARKET	
-4	BUILDING INSULATION (R-)	-5	IMPACT-RESISTANT CORNER GUARD	
-5	BUILDING INSULATION - FACED (R-)	-6	SCAFFOLDING	
-6	SILL SEALER	-7	SCAFFOLDING	
-7	SAFETY INSULATION	-8	SCAFFOLDING	
-8	SPRAY APPLIED INSULATION	-9	SCAFFOLDING	
071326	-1	FLUID-APPLIED MEMBRANE AIR BARRIERS	-2	SCAFFOLDING
-2	FLUID-APPLIED MEMBRANE AIR BARRIERS	-3	SCAFFOLDING	
-3	FLUID-APPLIED MEMBRANE AIR BARRIERS	-4	SCAFFOLDING	
-4	FLUID-APPLIED MEMBRANE AIR BARRIERS	-5	SCAFFOLDING	
-5	FLUID-APPLIED MEMBRANE AIR BARRIERS	-6	SCAFFOLDING	
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-99	FLUID-APPLIED MEMBRANE AIR BARRIERS	-100	SCAFFOLDING	

024000-11

062000-8

024000-6 (12")

072726-1

072100-2 (2")

024000-1

024000-10

024000-5

034500-6 BOLT TO 024000-8

10 CONCRETE TO BRICK TRANSITION

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

DOOR FRAME ABOVE

124000-2

UPPER LEVEL

114'-0"

034100-2

055000-1; (4x4x8'5")

034100-1; REF STRUCT.

051200-1; REF STRUCT;
PROVIDE FURRING CHANNELS
4 IN FULL EA. SIDE TO
SUPPORT 024000-1

024900-1 (12") EA. SIDE OF
042216-1 (6") & 1/2" O.C.
012100-3

11 ELEVATOR SILL @ UPPER LEVEL

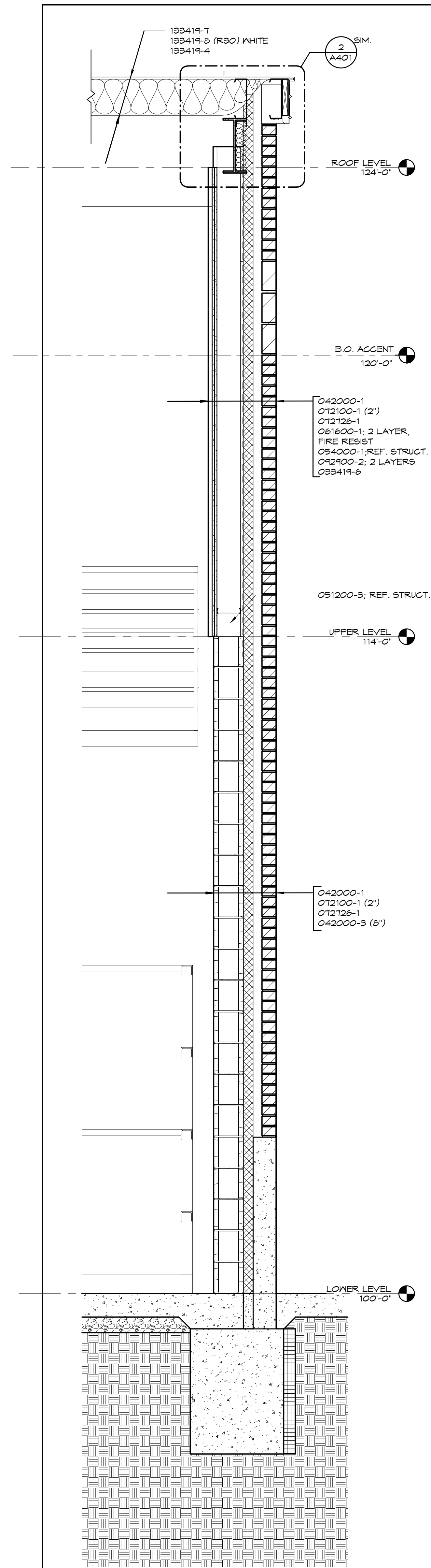
1' 1/2" = 1'-0"

NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

NOTE: REFER TO STRUCTURAL DRAWINGS FOR REINFORCING STEEL IN EXTERIOR WALLS AND CONCRETE NOT SHOWN.

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN.

EXISTING TO REMAIN

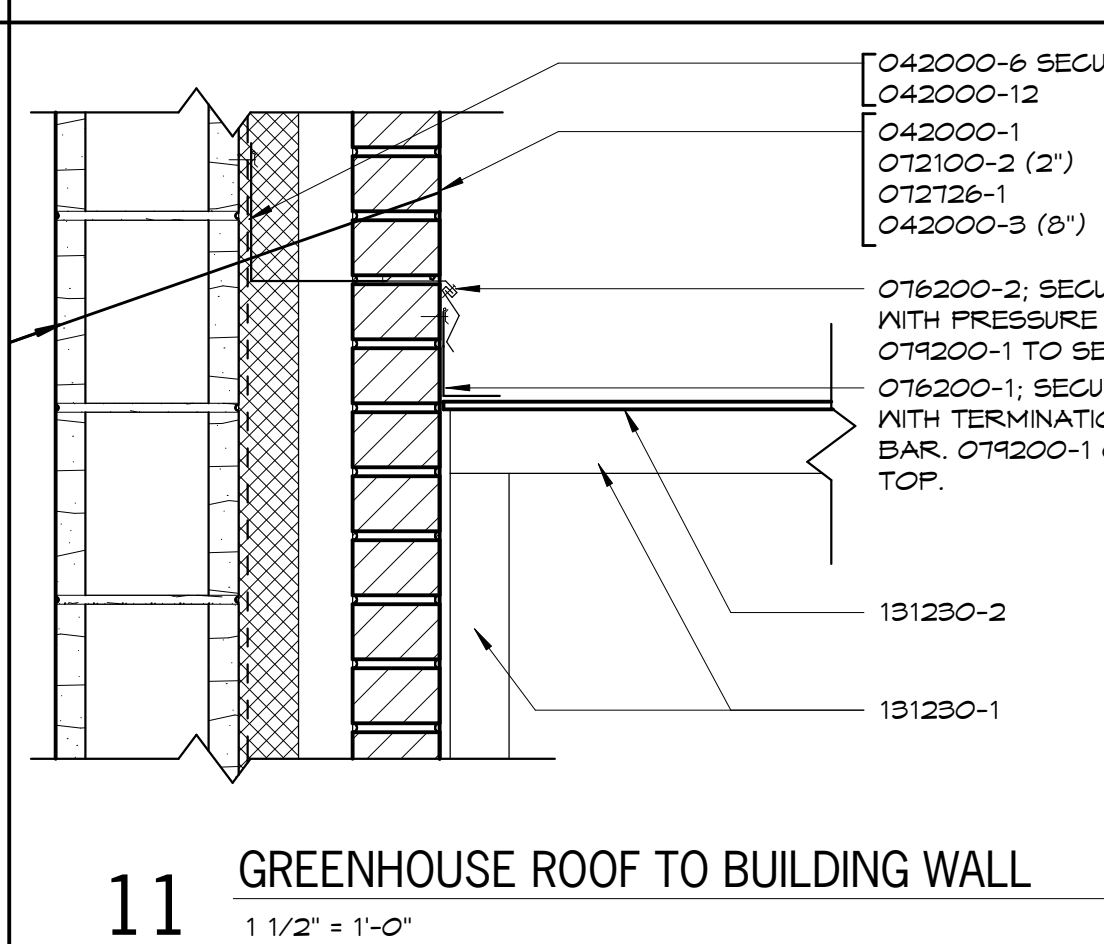
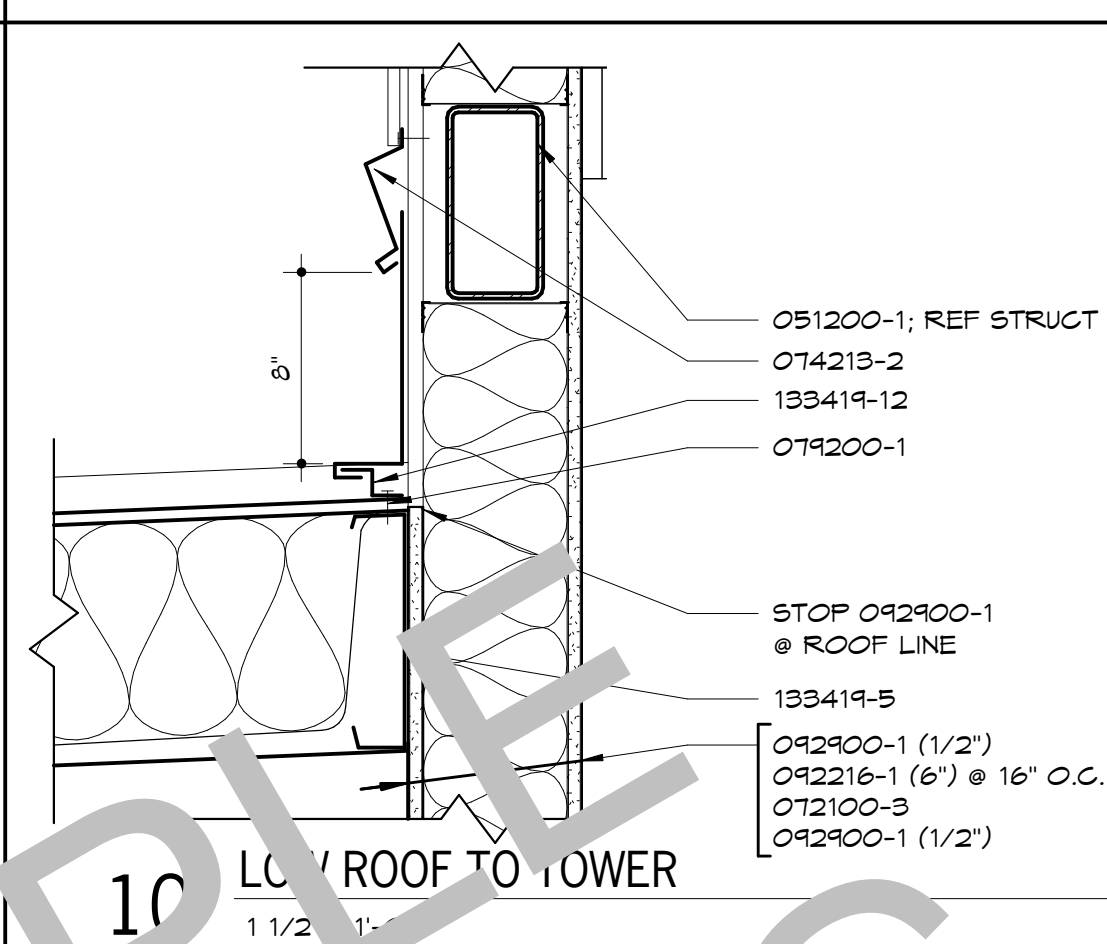
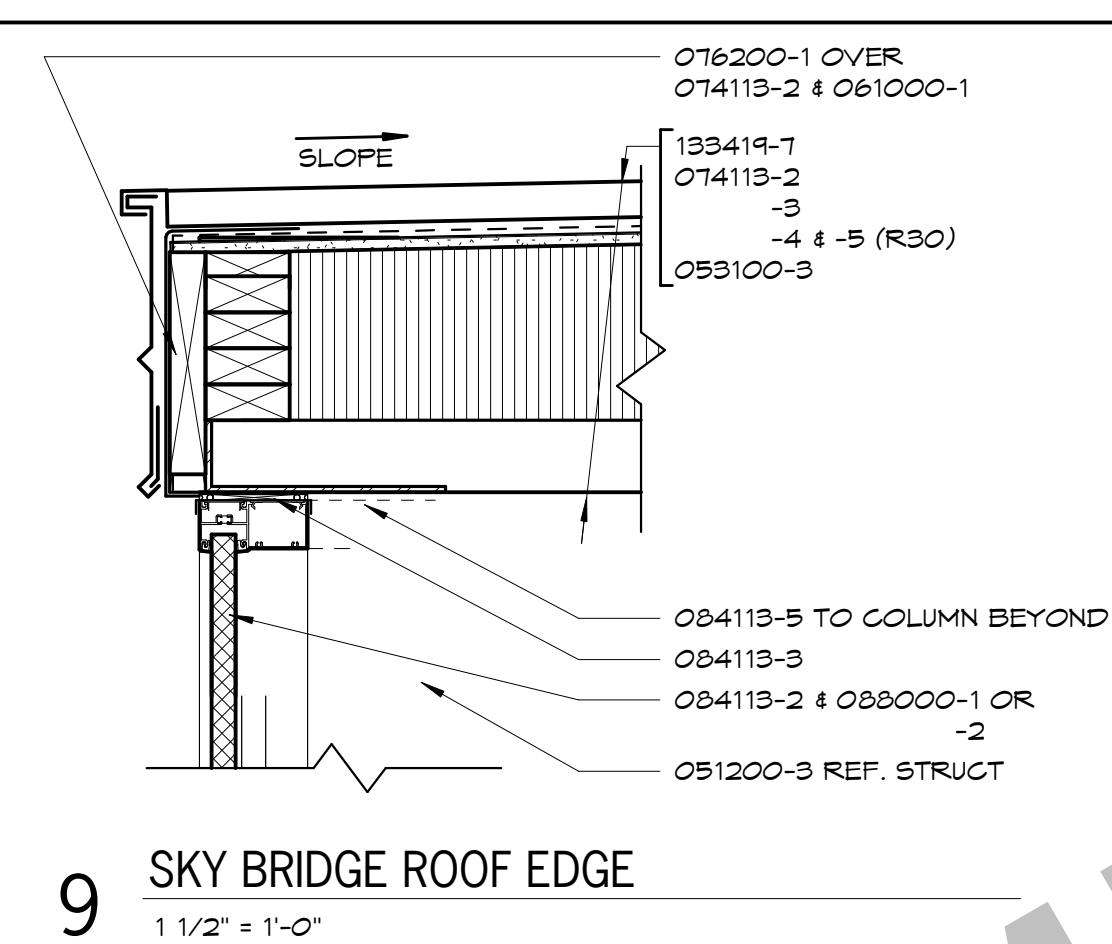
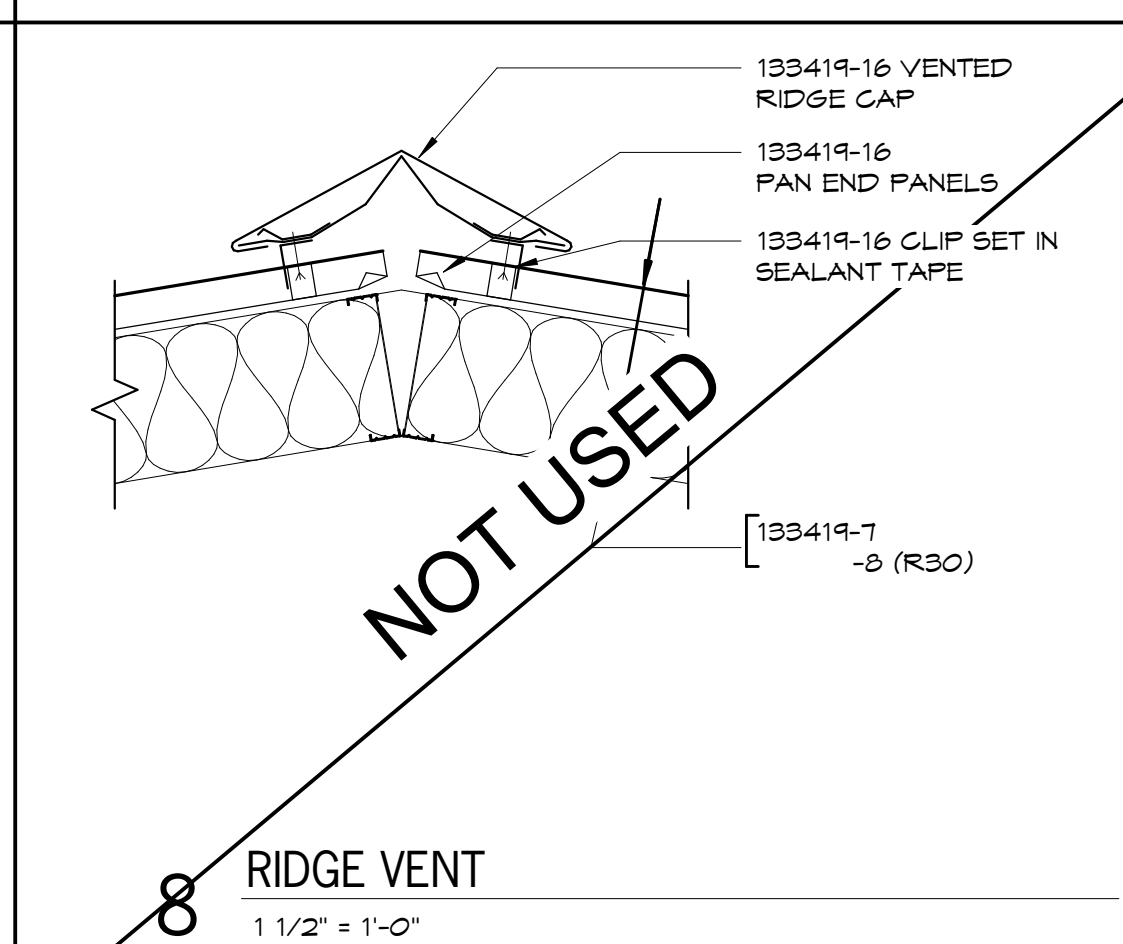
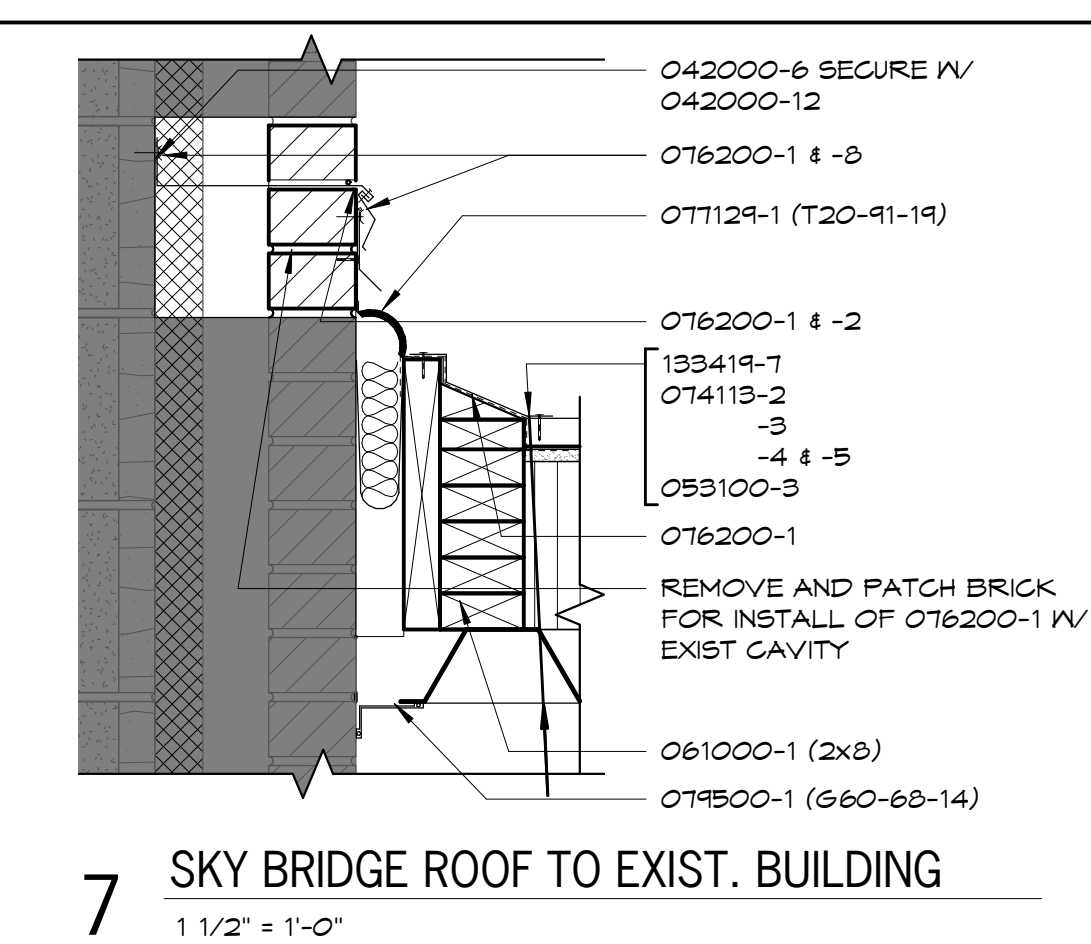
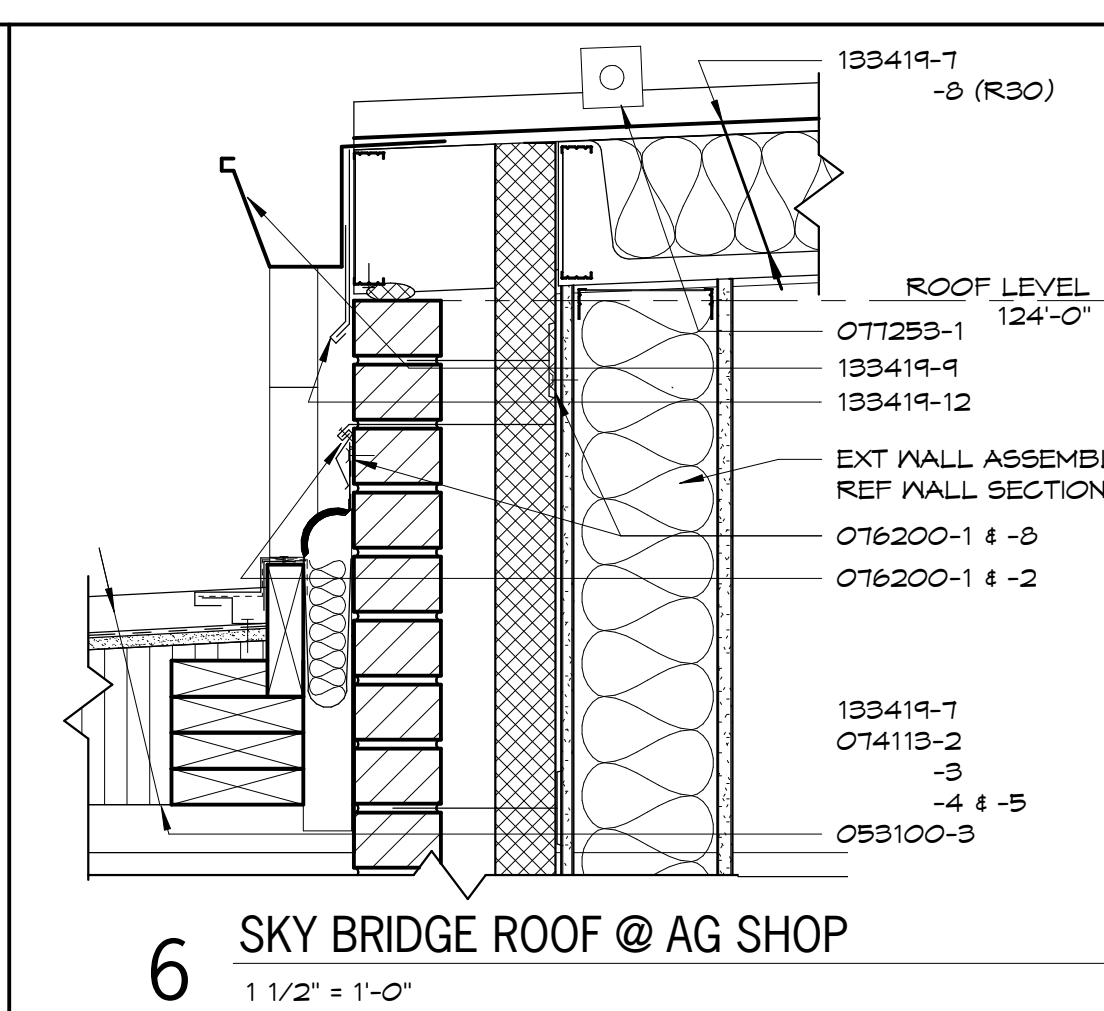
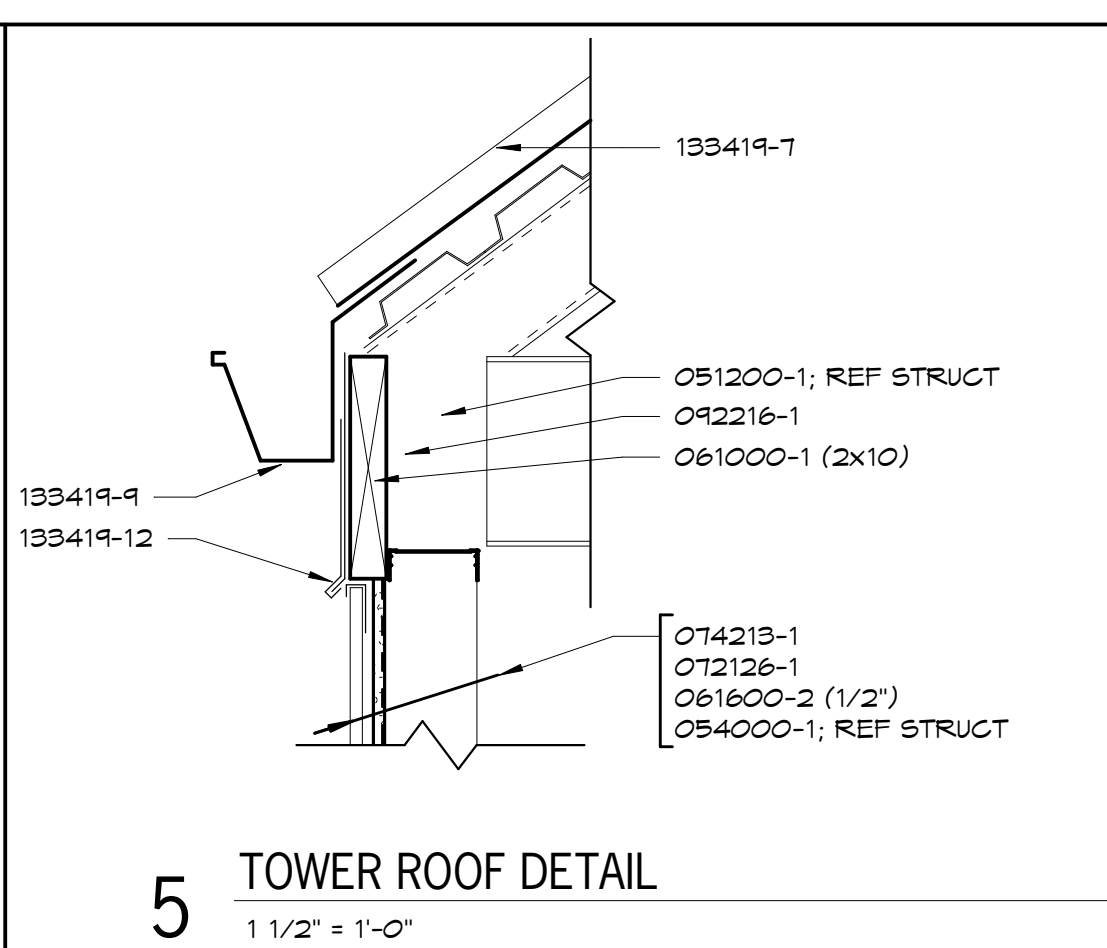
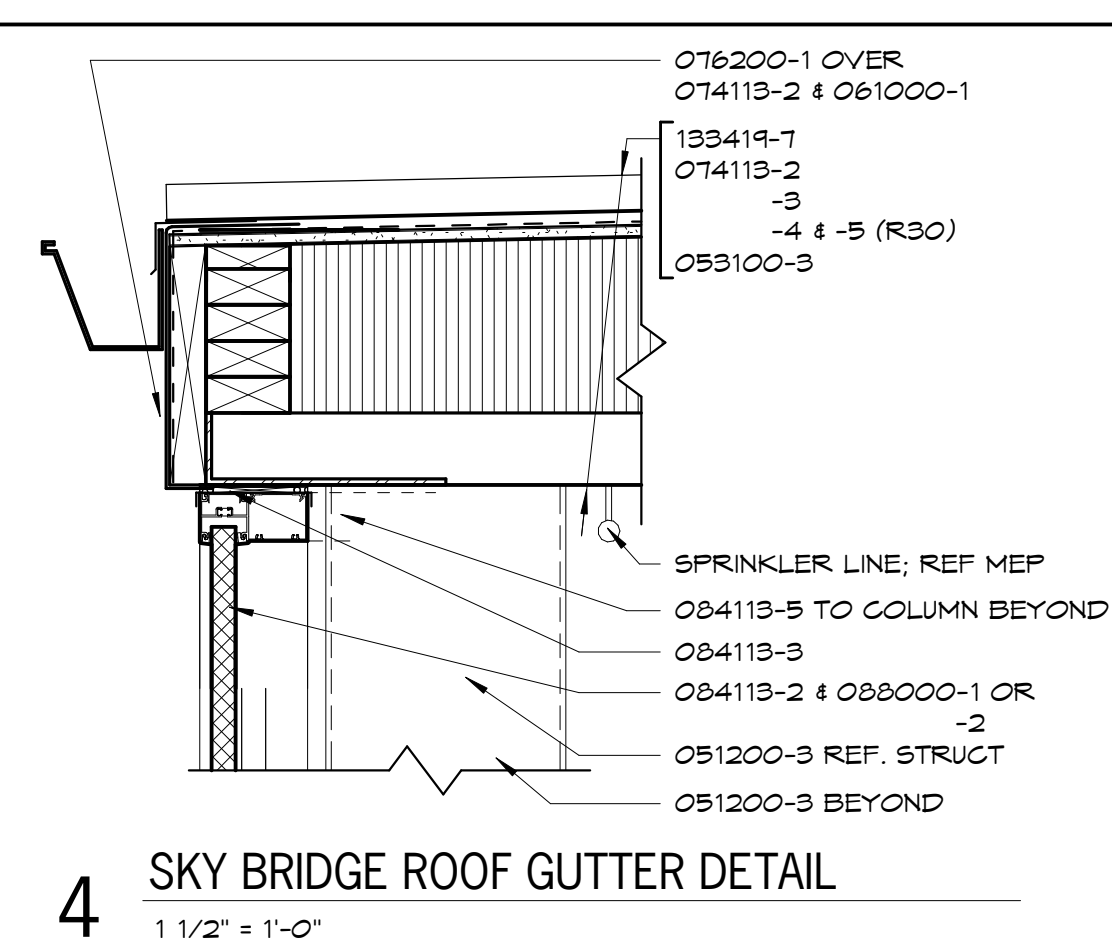
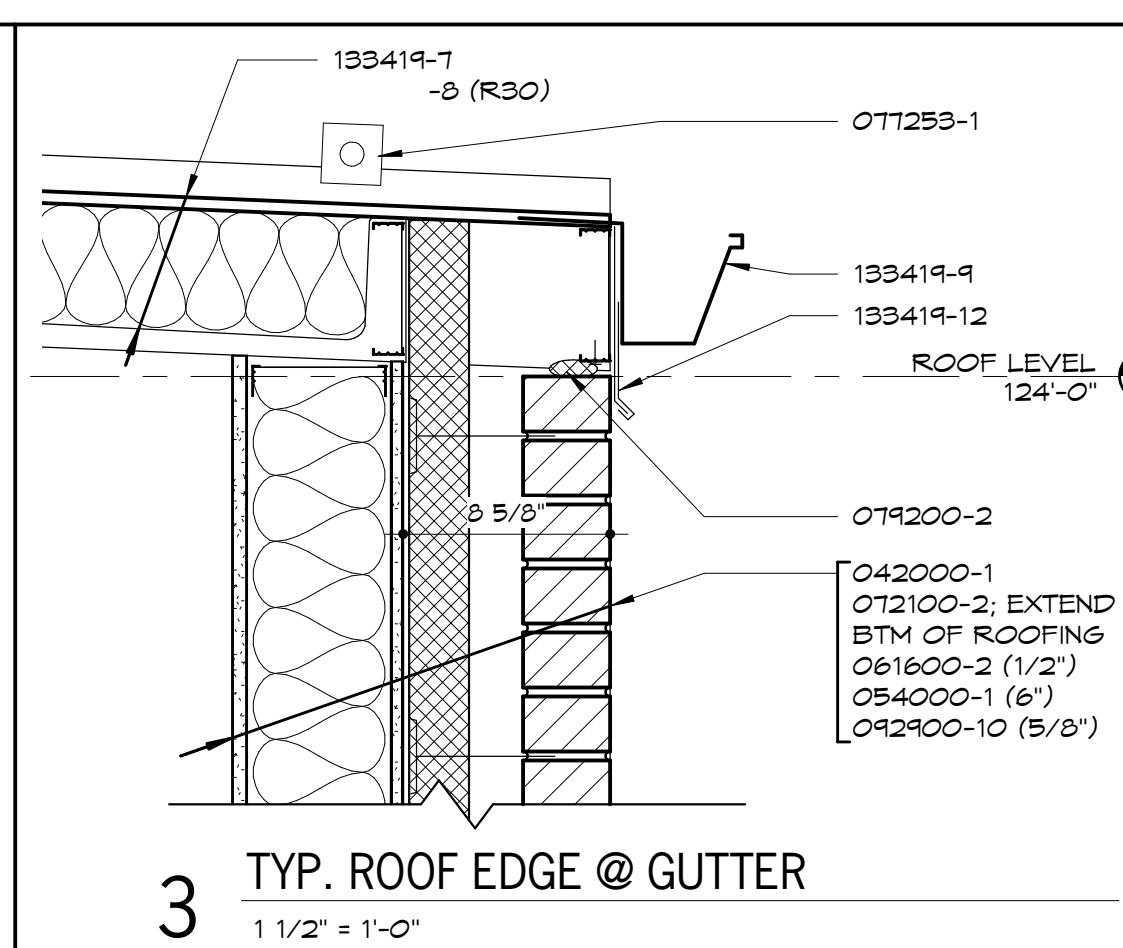
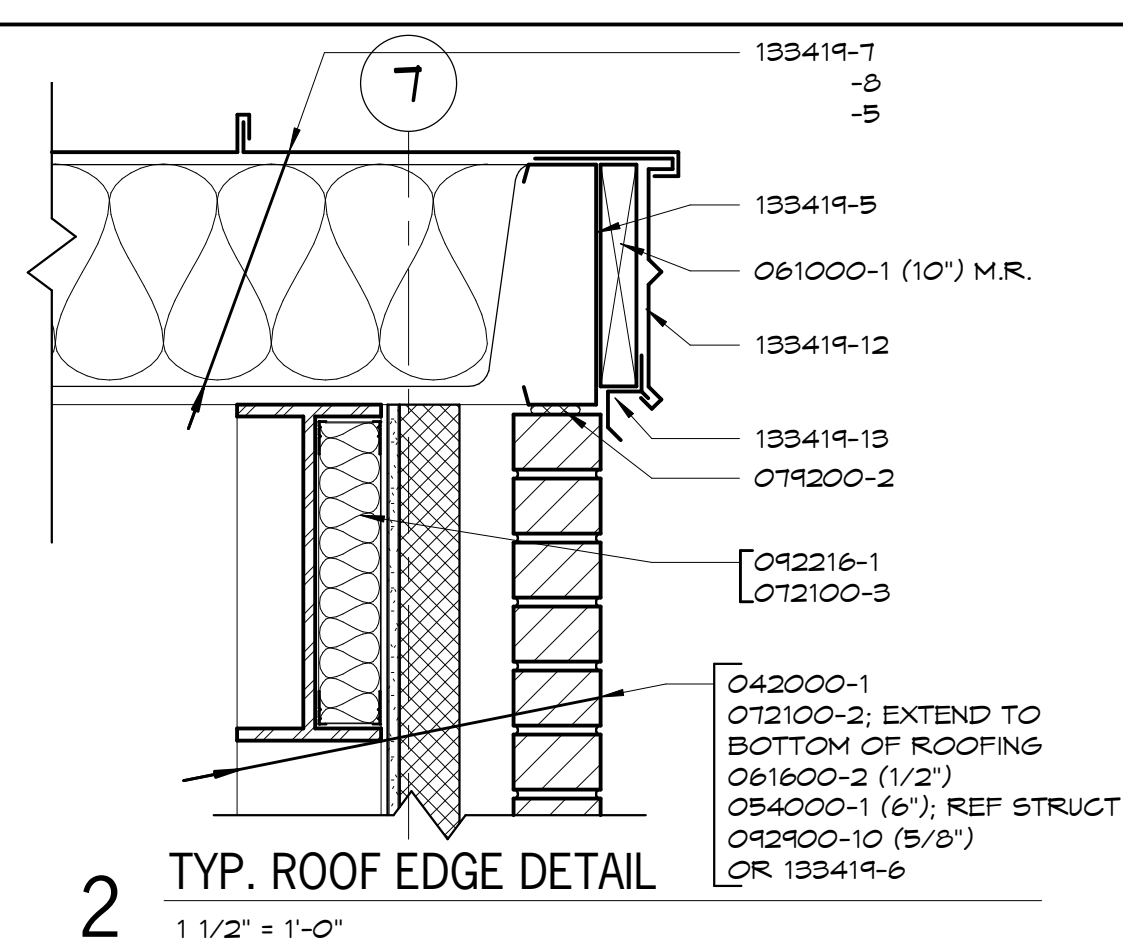


1 SECTION @ GREENHOUSE
3/4" = 1'-0"

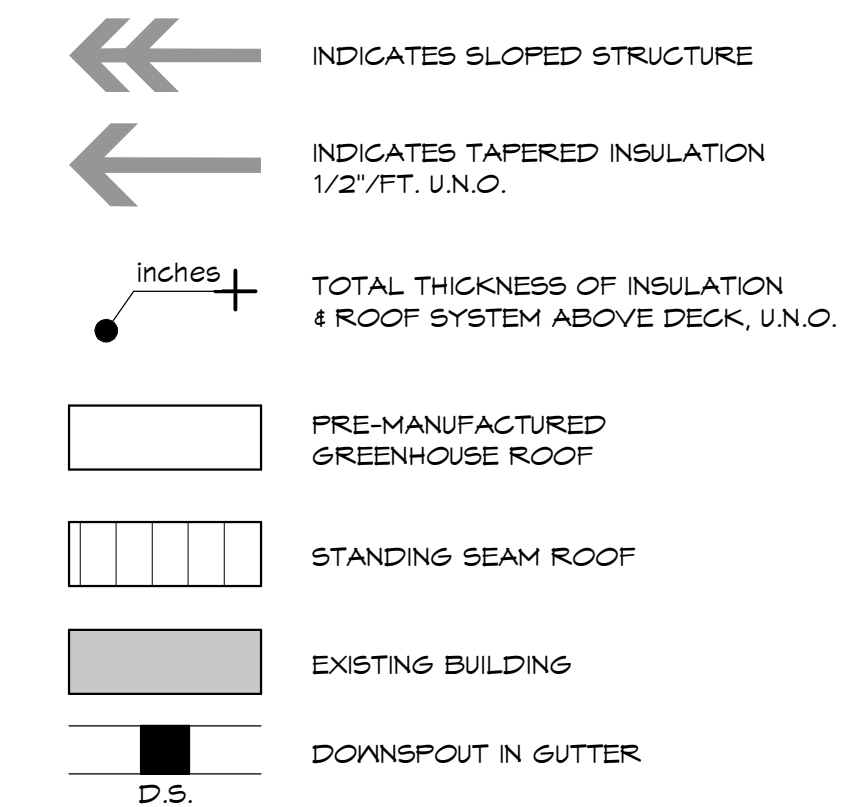
SAMPLE
DRAWING
SET

KEYNOTES

Note: Keynotes are drawn from a master list 4 may not be sequentially numbered sizes (dx 2x4) or other info. following keynote on drawings indicates criteria for those materials/locations which may differ from the std. material specified.			
033000-1	CONCRETE STRUCTURE	031113	-1 HOLLOW METAL DOOR
-2	CONCRETE FLOOR SLAB	-2	HOLLOW METAL FRAME
-3	VAPOR BARRIER	-3	FRAME ANCHOR
-4	WELDED WIRE FABRIC	-4	LOUVER
-5	STEEL REINFORCING BAR	-5	FLASHER GUARD
-6	RUSTICATION JOINT	034116	-1 FLUSH WOOD DOOR
-8	DOVETAIL ANCHOR	033613	-1 SECTIONAL OVERHEAD DOOR
-10	PRE-EMBEDDED JOINT FILLER	-2	SECTIONAL OVERHEAD DOOR TRACK
034100-1	PRECAST CONCRETE FLOOR	-3	WEATHERSTRIPPING
-2	TOPPING	034113	-1 ALUMINUM ENTRANCE DOOR
034500-1	PRECAST CONCRETE SILL	-2	ALUMINUM STOREFRONT FRAME
-3	STEEL EMBED PLATE	-3	RECEIVER
-4	STEEL EMBED ANGLE	-4	FLASHING
-5	BAR SUG	-5	ANCHOR
-6	STEEL ANGLE	-6	FRP DOOR AND FRAME
042000-1	FACE BRICK	033000-1	-1 GLAZING (AS SCHEDULED)
-3	CONCRETE MASONRY UNIT- LIGHTWEIGHT (")	-2	ALUMINUM COMPOSITE PANEL
-4	WIRE REINFORCING	042216	-1 STEEL STUD (")
-5	METAL TE/ANCHOR	-2	STEEL STUD RUNNER (")
-6	THROUGH WALL FLASHING	-3	FURRING CHANNEL
-7	CONTROL JOINT STRIP	042000-1	-1 GYPSUM BOARD (")
-8	BOND BEAM (")	-2	FIRE RATED GYPSUM BOARD (")
-10	COMPRESSIBLE FILLER	-4	METAL SUSPENSION SYSTEM
-11	CAVITY DRAINAGE MATERIAL	-5	ACOUSTICAL SEALANT
051200-1	STEEL BEAMS	-6	ACOUSTICAL INSULATION")
-2	STEEL COLUMN	-7	METAL EDGE TRIM
-3	STEEL TUBE	-8	AUXILIARY SUPPORT FRAMING
-4	STEEL CHANNEL	-9	METAL CONTROL JOINT
053100-1	METAL DECKING	-10	HIGH IMPACT GYPSUM BOARD
054000-1	STRUCTURAL STEEL STUDS	043013	-1 CERAMIC TILE
055000-1	STEEL ANGLE	043113	-1 ACOUSTICAL PANEL (X")
-2	STEEL CHANNEL	-2	CEILING SUSPENSION SYSTEM
-3	STEEL LINTEL	-3	EDGE MOLD TRIM
-4	STEEL PIPE	-4	AUXILIARY SUPPORT FRAMING
-5	STEEL TUBE	-5	RESILIENT WALL BASE
-6	STEEL PLATE	-6	EDGE STRIP
055113	-1	-1	RESILIENT WALL BASE
-2	METAL STAR STRINGER	-3	TACTILE MARKING SURFACE
-3	METAL EMBED PLATE	-4	RESILIENT STAIR TREAD
-5	BEAM	-5	RESILIENT STAIR RISER
055213	-1	-1	RESILIENT STAIR NOSE
-2	HANDRAIL	-3	RESILIENT TILE FLOORING
-4	HANDRAIL WALL BRACKET	045114	-1 RESINOUS BASE
061000-1	2X WOOD WALKER (")	055123	-1 RESINOUS FLOORING
-2	2X WOOD BLOCKING (")	-3	RESINOUS WALL
-3	1X WOOD CONTINUOUS (")	-4	SOUND-ABSORBING
-4	PLYWOOD BACKER	043433	-1 CEILING UNIT
061600-1	SHEATHING	041113	-1 EXTERIOR PAINT
-2	FIBERGLASS SHEATHING	041223	-1 INTERIOR PAINT
064116	-1	101423	-1 MARKERBOARD
-2	PLYWOOD (")	102234	-1 TACKBOARD
-3	PLASTIC-LAMINATE- FACED ARCHITECTURAL CABINETS	102234	-1 PANEL BERING FOLDING PANEL
-4	HIGH PRESSURE LAMINATE	102600-1	-1 PARTITION
-5	CABINET LINER LAMINATE	-2	IMPACT-RESISTANT CORNER GUARD
-6	PARTICLE BOARD	102600-1	-1 SOFT DISPENSER
-7	3MM EDGE MOLDING	-2	TISSUE DISPENSER
-8	SOLID WOOD BLOCKING	-3	TONER DISPENSER
-9	FOLDING TABLE SUPPORT	-4	FRAMED MIRROR
-14	SHELF SUPPORTS	-5	SANITARY NAPKIN DISPENSER
071326	-1	-1	GRAB BAR
-2	FOUNDATION WALL	104413	-1 FIRE EXTINGUISHER CABINET
-3	INSULATION (R-)	122413	-1 ROLLER WINDOW SHADES
-4	INSULATION (R-)	123613	-1 METAL COUNTERTOP
-5	BUILDING INSULATION - UNFACED (R-)	123623	-1 PLASTIC-LAMINATE-GLAD
-6	BUILDING INSULATION - FACED (R-)	131230	-1 PRE-MANUF. GREENHOUSE
-7	SILL SEALER	-2	LEXAN PANEL
-8	SAFINS INSULATION	-3	FLASHING
-9	SPRAY APPLIED INSULATION	-4	GREENHOUSE DOOR
-10	FLUID-APPLIED WEATHERBANE AIR BARRIERS	133414	-1 PRE-ENGINEERED BUILDING
-11	FLUID-APPLIED WEATHERBANE AIR BARRIERS	-2	FRAME
-12	FLUID-APPLIED WEATHERBANE AIR BARRIERS	-3	COLUMN
-13	FLUID-APPLIED WEATHERBANE AIR BARRIERS	-4	GIRT
-14	FLUID-APPLIED WEATHERBANE AIR BARRIERS	-5	PURLIN
-15	FLUID-APPLIED WEATHERBANE AIR BARRIERS	-6	LINER WALL PANEL
-16	FLUID-APPLIED WEATHERBANE AIR BARRIERS	-7	PREFINISHED ROOF PANEL
-17	FLUID-APPLIED WEATHERBANE AIR BARRIERS	-8	SNIPLESAVER INSULATION
-18	FLUID-APPLIED WEATHERBANE AIR BARRIERS	-9	PREFINISHED METAL
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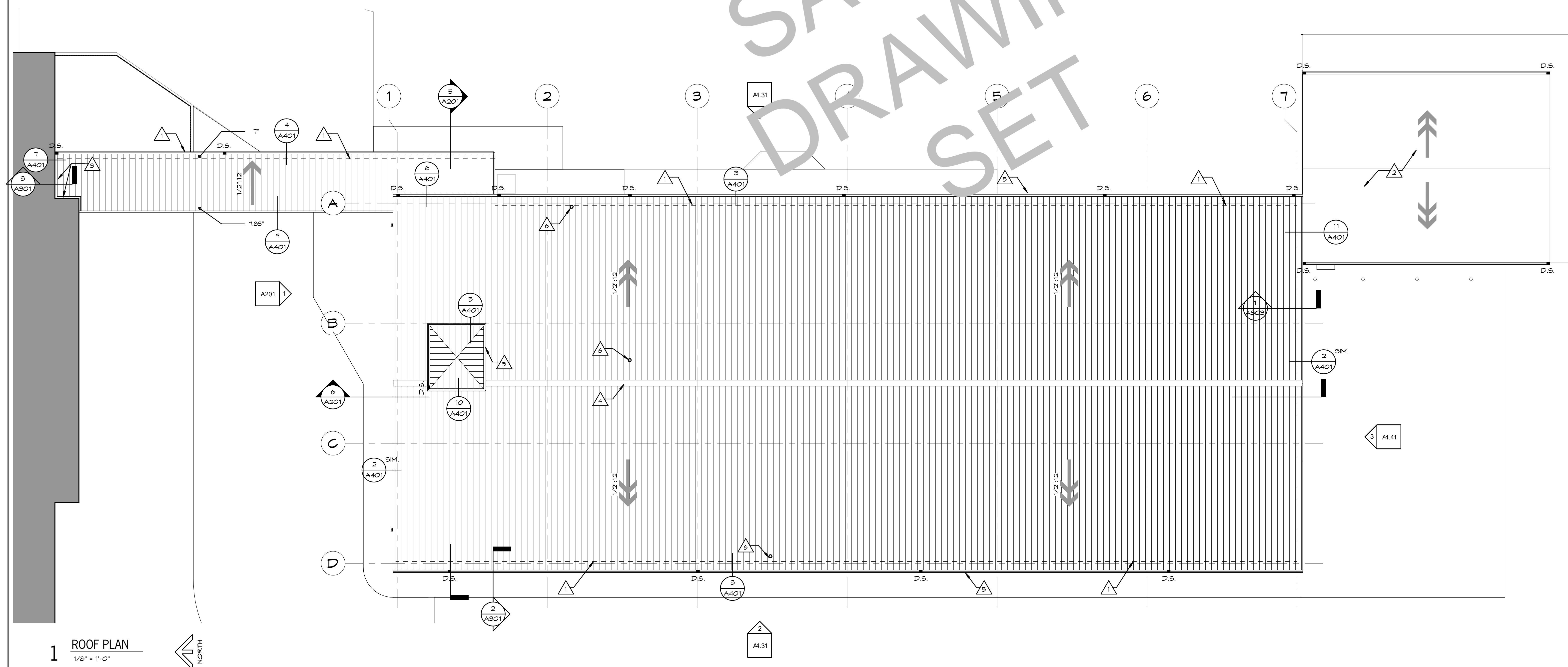


ROOF PLAN LEGEND



ROOF PLAN NOTES

GENERAL: COORDINATE WITH WORK SHOWN ON STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. REF. E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.	
1	SNOW GUARDS PER MANUFACTURER RECOMMENDATIONS
2	PREMANUFACTURED GREENHOUSE BELOW (N.I.G.)
3	ROOF EXPANSION JOINT
4	FEMB ROOF RIDGE
5	PRE-FINISHED MTL GUTTER
6	PLUMBING VENT; REF. MEP

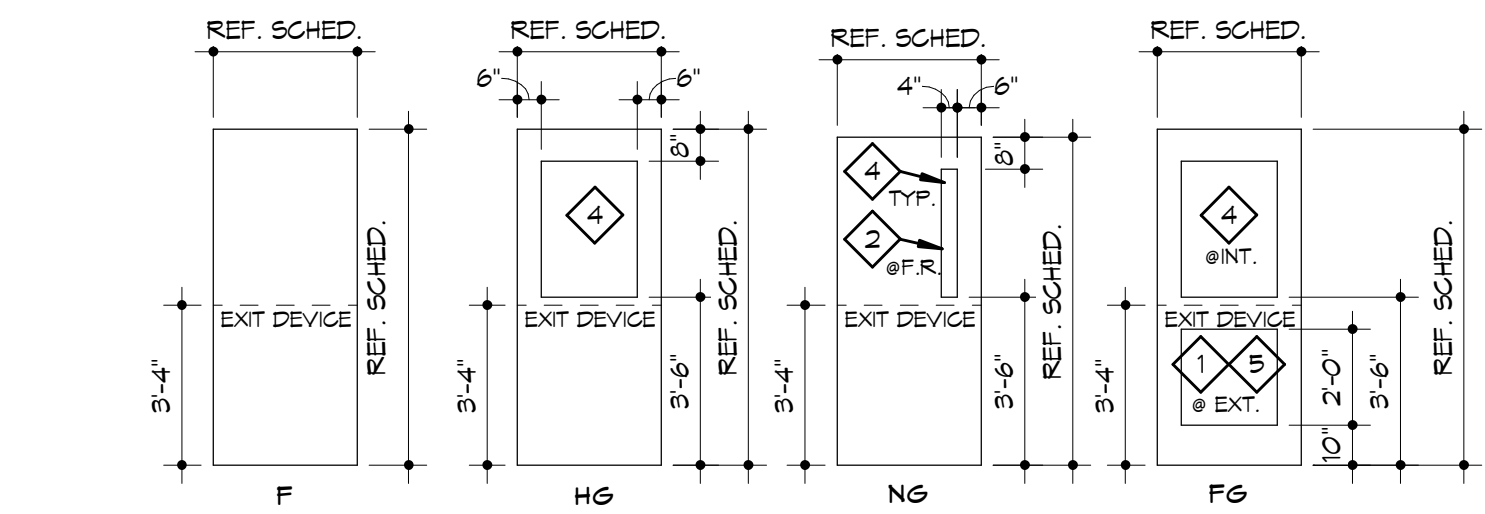


NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

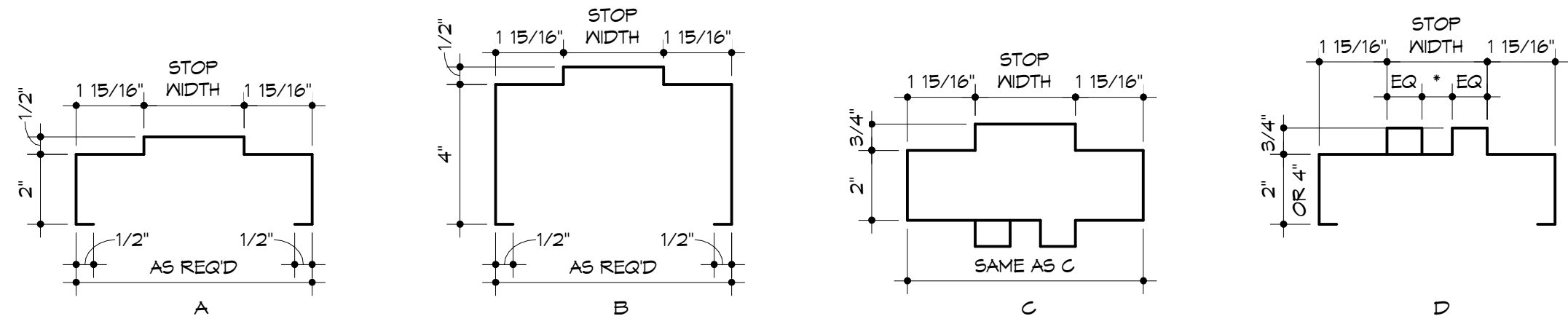
NOTE: REFER TO STRUCTURAL DRAWINGS FOR REINFORCING STEEL IN EXTERIOR WALLS AND CONCRETE NOT SHOWN.

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN

☐ EXISTING TO REMAIN

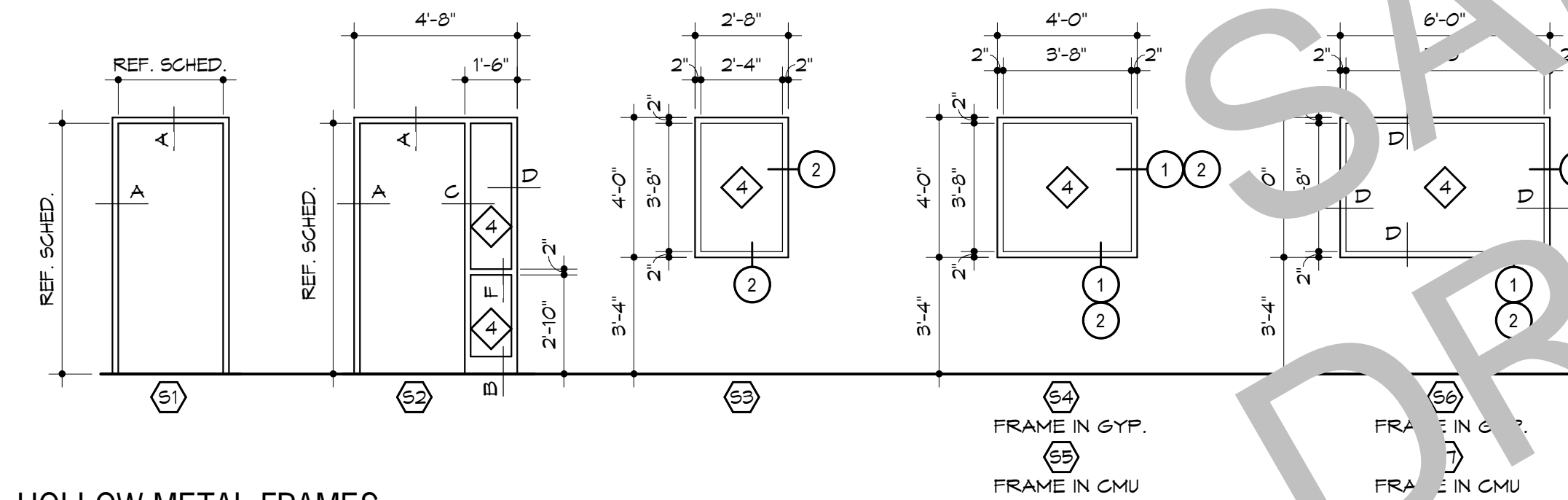


DOOR TYPES

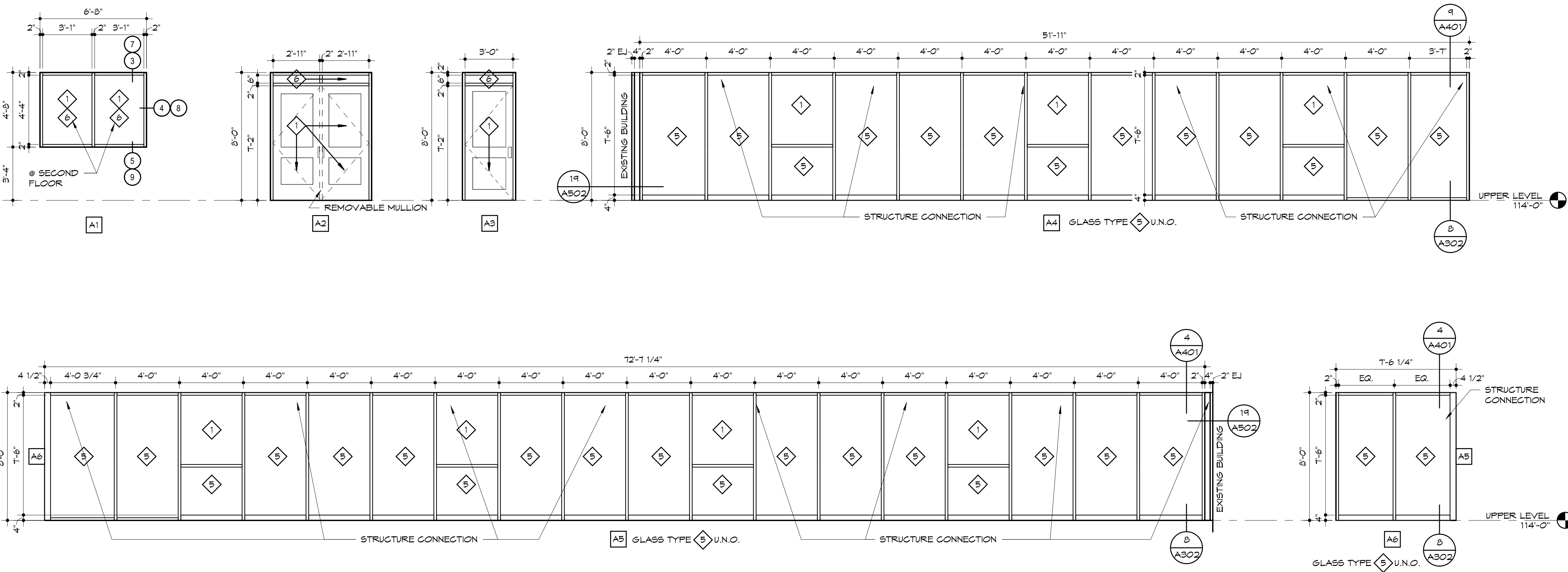


NOTE:
1) REF. PARTITION SCHED.
2) REF. STEEL FRAME ELEV'S.
FOR PROFILE APPLICATION.
3) SCHED. FOR FRAME WIDTH.

HOLLOW METAL FRAME PROFILES



HOLLOW METAL FRAMES



ALUMINUM FRAMES

DOOR AND FRAME SCHEDULE											
MARK	DOOR		TYPE (A)	MATERIAL (B)	MATERIAL (B)	TYPE (C)	FRAME			RATN	Notes (E)
	OPENING SIZE						DETAILS ON A502				
	W	H					HEAD (D)	JAMB (D)	OTHER (D)		
100a	6'-0"	T-2"	FG	A	A	A2	3	4	6		
100b	6'-0"	T-2"	HG	N	HM	S1	2	2			
101a	6'-0"	T-2"	HG	HM	HM	S1	1	1			
101b	6'-0"	T-2"	FG	A	A	A2	3	4	6		3
101c	16'-0"	14'-0"	CHD	S	HM	A2	10	11	12		
101d	3'-0"	T-2"	FG	A	A	A3	3	4	6		3
102a	6'-0"	T-2"	-	-	-	-	-	-	-		1
102b	3'-0"	T-2"	NG	FRP	FRP	S1	3 SIM	4 SIM		(90)	4
103a	3'-0"	T-2"	HG	N	HM	S1	2	2			
103b	3'-0"	T-2"	HG	N	HM	S1	2	2			
104a	6'-0"	T-2"	HG	HM	HM	S1	2	2			
104b	3'-0"	T-2"	NG	N	HM	S1	2	2			
104c	3'-0"	T-2"	FG	A	A	A3	3	4	6		
105a	3'-0"	T-2"	NG	N	HM	S2	2	2			
105b	6'-0"	T-2"	HG	HM	HM	S1	2	2			
105c	6'-0"	T-2"	FG	A	A	A2	3	4	6		3
106	3'-0"	T-2"	F	N	HM	S1	2	2			
107	6'-0"	T-2"	F	N	HM	S1	2	2			
107b	3'-0"	T-2"	F	N	HM	S1	2	2			
108	3'-0"	T-2"	F	N	HM	S1	1	1			
109	3'-0"	T-2"	F	N	HM	S1	1	1			
110	3'-0"	T-2"	F	N	HM	S1	1	1			
111	3'-0"	T-2"	F	N	HM	S1	1	1			
112	6'-0"	T-2"	FG	A	A	A2	3	4	6		
200	6'-0"	T-2"	FG	A	A	A2	7	8	15		
201	3'-0"	T-2"	F	N	HM	S1	2	2			
202a	3'-0"	T-2"	F	N	HM	S1	2	2			
202b	6'-0"	T-2"	F	N	HM	S1	2	2			
203a	3'-0"	T-2"	HG	N	HM	S1	2	2			
203b	3'-0"	T-2"	HG	N	HM	S1	2	2			
204	3'-0"	T-2"	NG	N	HM	S2	2	2			
205	3'-0"	T-2"	NG	N	HM	S1	2	2			
206	3'-0"	T-2"	NG	N	HM	S1	2	2			
208	3'-0"	T-2"	F	N	HM	S1	2	2			
209	3'-0"	T-2"	F	N	HM	S1	2	2			
210	3'-0"	T-2"	F	N	HM	S1	2	2			
211	3'-0"	T-2"	F	N	HM	S1	2	2			
300	6'-0"	T-2"	FG	N	HM	S1	16	17	18	(90)	
301	3'-0"	T-2"	E	E	HM	S1	2	2	13		2

GLASS SCHEDULE

MARK	TYPE
1	1" Insulating: A) Exterior - 1/4" Tinted, Tempered B) Interior - 1/4" Clear Low-E, Tempered
2	90 Minute Label, Ceramic Fire-Rated Glass
3	1/4" Clear
4	1/4" Clear Tempered
5	Composite Metal Panel
6	1" Insulating: A) Exterior - 1/4" Tinted B) Interior - 1/4" Clear Low-E

DOOR & FRAME SCHEDULE NOTES

- Field verify conditions at all exist. openings & modify as req'd to fit.
- All aluminum frames are 4 1/2" deep and 2" wide - u.n.o.
- All steel welded frames are 3/4" wider than nominal wall width - u.n.o.
- All doors are 1 3/4" thick unless noted otherwise.
- Letters in parentheses (1) A, B, C, D, E, & F at top of various columns in the schedule are for column identification & are clarified as follows:
(A) To identify DOOR TYPES refer to DOOR TYPES this sheet.
(B) For DOOR MATERIAL AND FRAME MATERIAL:
HM = Hollow Metal
A = Aluminum
N = Wood
S = Steel
E = Existing
FRP: Fiberglass Reinforced Plastic
(C) To identify FRAME TYPES refer to HOLLOW METAL FRAME ELEVATIONS & ALUMINUM FRAME ELEVATIONS.
(D) FRAME DETAILS are referenced and shown as follows, unless noted otherwise:
Frame Details are referenced in Door and Frame Schedule, and shown on this sheet.
Steel Frame Profiles are referenced on Steel Frame Elevations, and shown on this sheet.
Glass types are shown on Frame Elevations.
(E) SCHEDULE NOTES:
1. Door by Greenhouse Manufacturer
2. Reinstall salvaged door & hardware into a new frame.
3. Bottom lite of door to be composite metal panel-glazing Type 5.
4. Door shall be a fire-rated FRP opening with pultruded FRP frame and FRP door.

NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

NOTE: REFER TO STRUCTURAL DRAWINGS FOR REINFORCING STEEL IN EXTERIOR WALLS AND CONCRETE NOT SHOWN.

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN.

EXISTING TO REMAIN

1 CMU JAMB (HEAD SIM.)
1 1/2" = 1'-0"

2 GYP. BD. PARTITION HEAD & JAMB DETAIL
1 1/2" = 1'-0"

3 EXTERIOR ALUM. DOOR HEAD CMU DETAIL

4 ALUM. STOREFRONT JAMB @ CMU
1 1/2" = 1'-0"

5 ALUM. STOREFRONT SILL @ CMU
1 1/2" = 1'-0"

6 THRESHOLD AT ALUM. STOREFRONT DOOR
3" = 1'-0"

7 EXTERIOR ALUM. HEAD GYP. DETAIL
1 1/2" = 1'-0"

EXTERIOR ALUM. JAMB DETAIL GYP.

9 ALUM. WINDOW SILL GYP.
1 1/2" = 1'-0"

10 OHSD HEADER
1 1/2" = 1'-0"

11 OHSD JAMB
1 1/2" = 1'-0"

12 OHSD SILL
1 1/2" = 1'-0"

GYP. JAMB @ DOOR 300, EXISTING BUILDING

14 NOT USED

15 SILL TRANSITION AT DOOR TO SKY BRIDGE
1 1/2" = 1'-0"

16 HEAD @ DOOR IN EXIST. EXTERIOR WALL
1 1/2" = 1'-0"

17 JAMB @ DOOR IN EXIST. EXTERIOR WALL
1 1/2" = 1'-0"

18 SILL @ DOOR IN EXIST. EXTERIOR WALL
1 1/2" = 1'-0"

19 SKYBRIDGE JAMB DETAIL
1 1/2" = 1'-0"

KEYNOTES

Note: Keynotes are drawn from a master list & may not be sequentially numbered (EX 2x4) or refer to items following keynote on drawings indicating criteria for those materials/locations which may differ from the std. material specified.

093500-1	CONCRETE STRUCTURE	081113	-1	HOLLOW METAL DOOR
-2	CONCRETE FLOOR SLAB		-2	HOLLOW METAL FRAME
-3	VAPOR BARRIER		-3	FRAME ANCHOR
-4	YELDED WIRE FABRIC		-4	LOUVER
-5	STEEL REINFORCING BAR		-5	PLASTER GUARD
081416	PLASTER GUARD			WOOD INDOOR DOOR
083613-1	DOVETAIL ANCHOR			SECTIONAL OVERHEAD DOOR
-2	PREMOLDED JOINT			

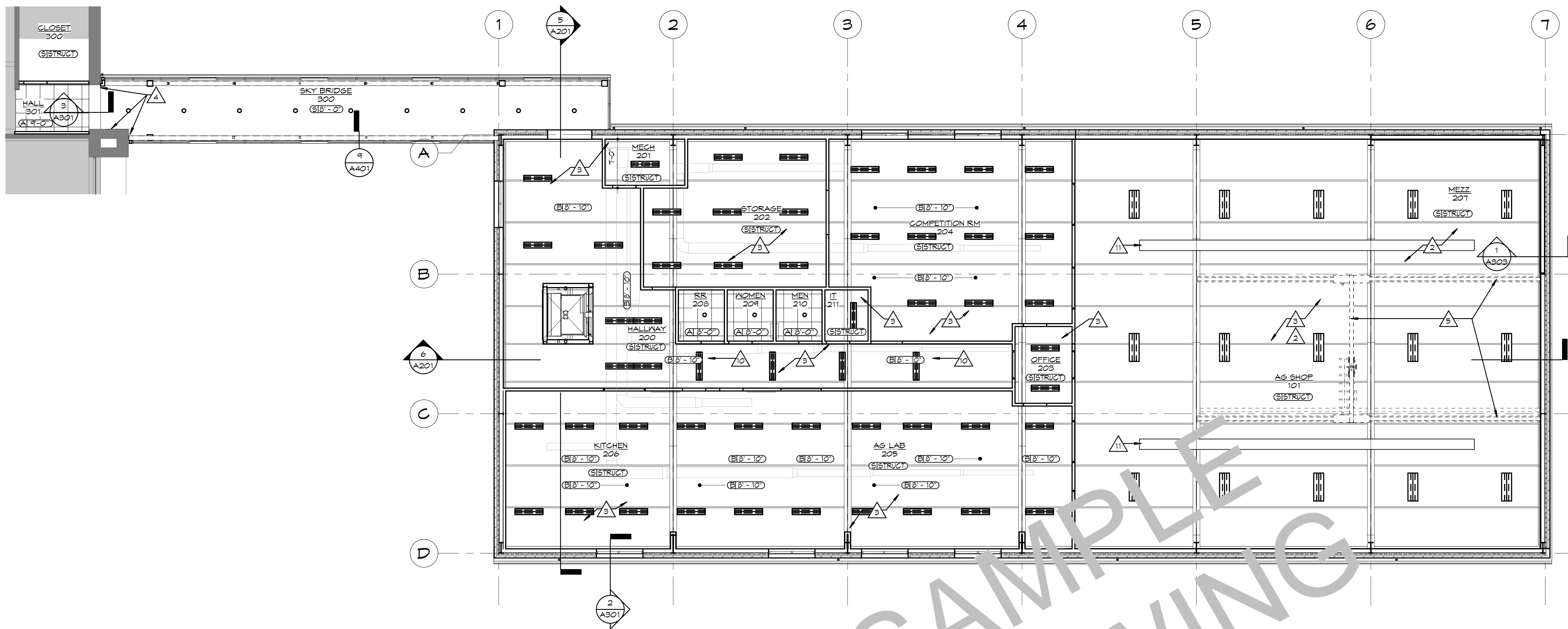
[illegible]

NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

NOTE: REFER TO STRUCTURAL DRAWINGS FOR
REINFORCING STEEL IN EXTERIOR WALLS AND
CONCRETE NOT SHOWN.

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN

☐ EXISTING TO REMAIN



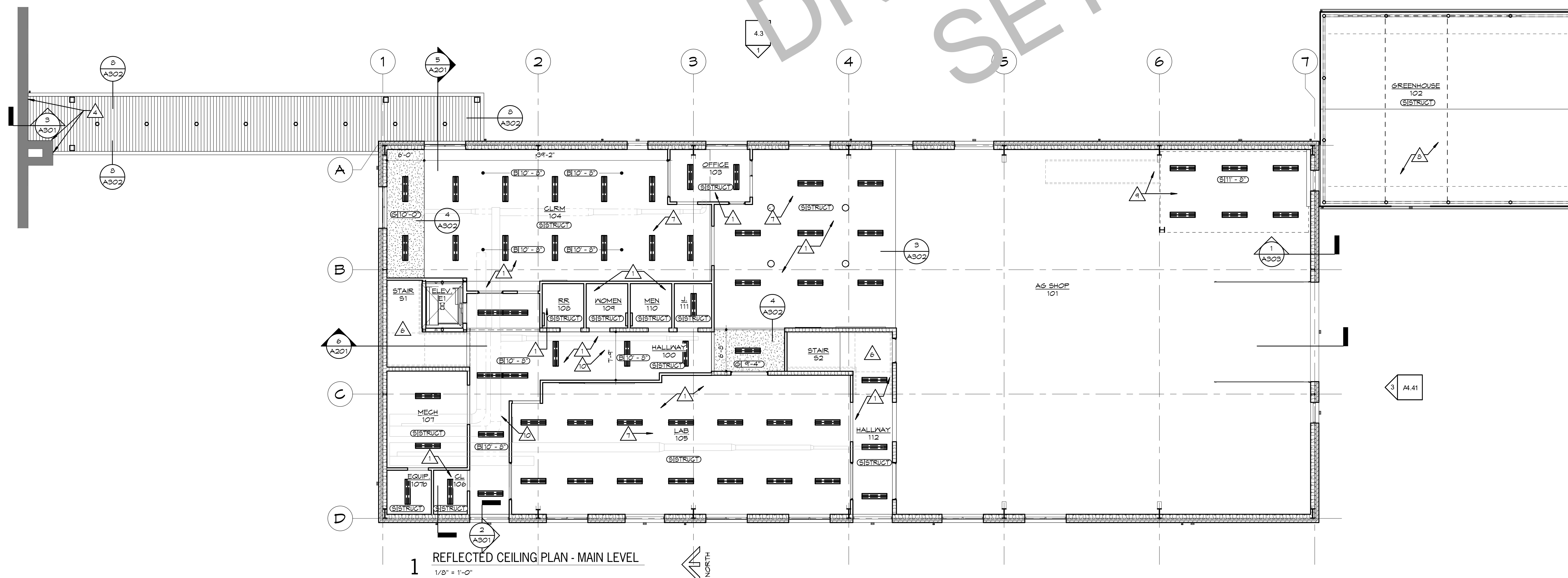
2 REFLECTED CEILING PLAN - UPPER LEVEL
1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND

CEILING TYPE	DESCRIPTION
TYPICAL CEILING TAG	HEIGHT OF CEILING ABOVE FLOOR
TYPE	DESCRIPTION
A	2' X 2' ACOUSTICAL CEILING TILE & GRID
B	FABRIC WRAPPED ACOUSTIC PANEL (COLORS BELOW)
G	PAINTED GYP. BD CEILING
S	PAINT EXPOSED STRUCTURAL STEEL FRAME &/OR FLOOR, EXPOSED ROOF, & MEP.
2'-0" X 2'-0" ACOUSTICAL CEILING TILE & GRID	SOFFIT LINER PANEL
PAINTED GYP. BD. & MTL. STUD SOFFIT	DOWNLIGHT FIXTURE, REF. ELEC.
FABRIC WRAPPED ACOUSTIC PANEL - COLOR#1	INTERIOR STRIP LIGHT FIXTURE, REF. ELEC.
FABRIC WRAPPED ACOUSTIC PANEL - COLOR#2	CEILING REGISTER, REF. MECH.
FABRIC WRAPPED ACOUSTIC PANEL - COLOR#3	CEILING RETURN, REF. MECH.

REFLECTED CEILING PLAN NOTES

- GENERAL:
- A. COORDINATE WITH WORK SHOWN ON STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS, REF. FE SHEET FOR EQUIP. COORDINATION.
 - B. LIGHTS SHOWN HERE FOR COORDINATION TO CEILING GRID LAYOUTS & OTHER ELEMENTS WITHIN A ROOM ONLY. REF. M/E DRAWINGS FOR LIGHTING DESIGN.
 - C. SMOKE DETECTORS, FIRE ALARM STROBES, SPRINKLER HEAD & FINAL MECHANICAL DIFFERS, ETC. NOT SHOWN HERE. REF. M/E DRAWINGS & COORDINATE ANY ITEMS THAT EFFECT DESIGN WITH ARCHITECT.
 - D. CENTER SPRINKLER HEADS IN CENTER OF LAY-IN CEILING TILES AND SOFFITS, TYPE.
 - E. ALL CONDUIT & ELECTRICAL JUNCTION BOXES AT EXPOSED STRUCTURE SHALL BE MOUNTED TO DECK & SHALL NOT SPAN BETWEEN STRUCTURAL MEMBERS.
 - F. PAINT EXPOSED CONCRETE FLOOR, MECH DUCT, & ALL EXPOSED BUILDING SYSTEMS.
 - G. WHITE SIMPLE SAVER INSULATION.
 - H. BLACK SIMPLE SAVER INSULATION EXPOSED. PAINT ALL EXPOSED MECH DUCT & BUILDING STRUCTURE.
 - I. EXPANSION JOINT COVER.
 - J. BRIDGE CRANE; OWNER PROVIDED.
 - K. AREA BELOW STAIR IS NOT ACCESSIBLE.
 - L. JOINT OF PRECAST CONCRETE FLOOR; REF. STRUCT.
 - M. GREENHOUSE ROOF; 131230-2. (N.I.C.)
 - N. OWNER PROVIDED MEZZ. COORDINATE INSTALLATION W/SPRINKLER SYSTEM.
 - O. INSTALL LIGHT FIXTURE THROUGH FABRIC PANEL.
 - P. HEATER, REF. MEP.



1 REFLECTED CEILING PLAN - MAIN LEVEL
1/8" = 1'-0"

NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN.

NOTE: REFER TO STRUCTURAL DRAWINGS FOR REINFORCING STEEL IN EXTERIOR WALLS AND CONCRETE NOT SHOWN.

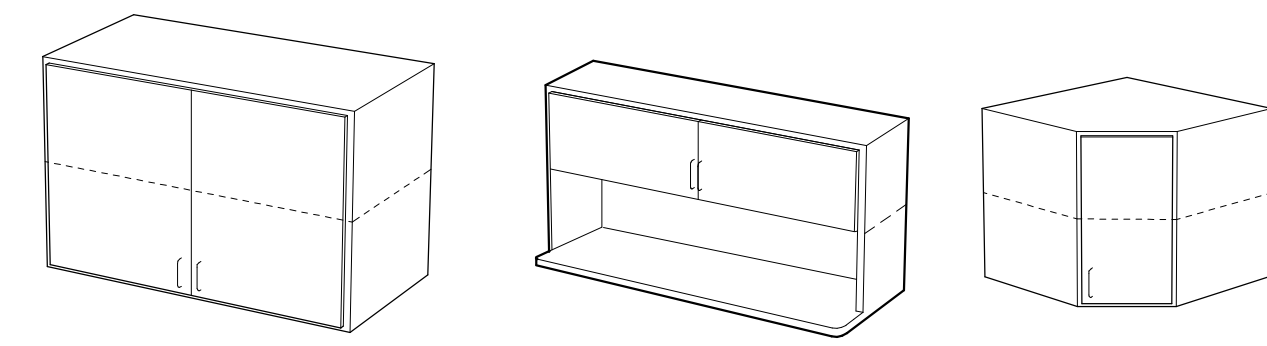
NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN.

EXISTING TO REMAIN

SHEET NUMBER:

A601

WALL CABINETS:

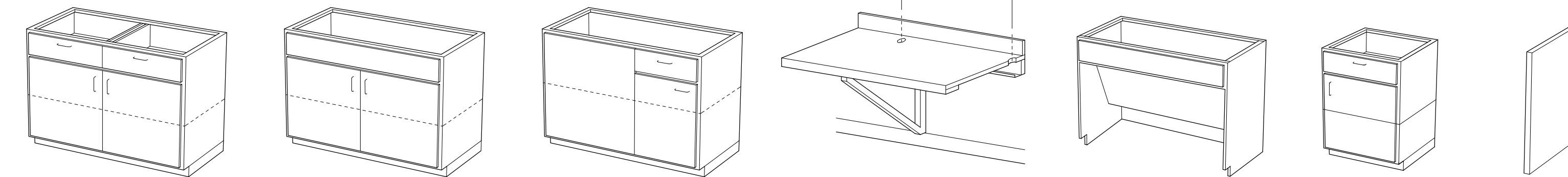


DOOR
N2
h) 27w x 14d x 24h
j) 30w x 14d x 24h
t) 42w x 14d x 24h

OPEN SHELF
N4
m) 33w x 14d x 24h

CORNER
N6
e) 23w x 26d x 24h

BASE CABINETS:



DOOR DRAWER
B7
j) 30w x 24d x 34h
k) 30w x 24d x 36h
t) 42w x 24d x 34h
u) 42w x 24d x 36h

SINK
B8
k) 30w x 24d x 36h
t) 42w x 24d x 34h

BLIND CORNER
B20
t) 42w x 24d x 34h
u) 52w x 24d x 36h

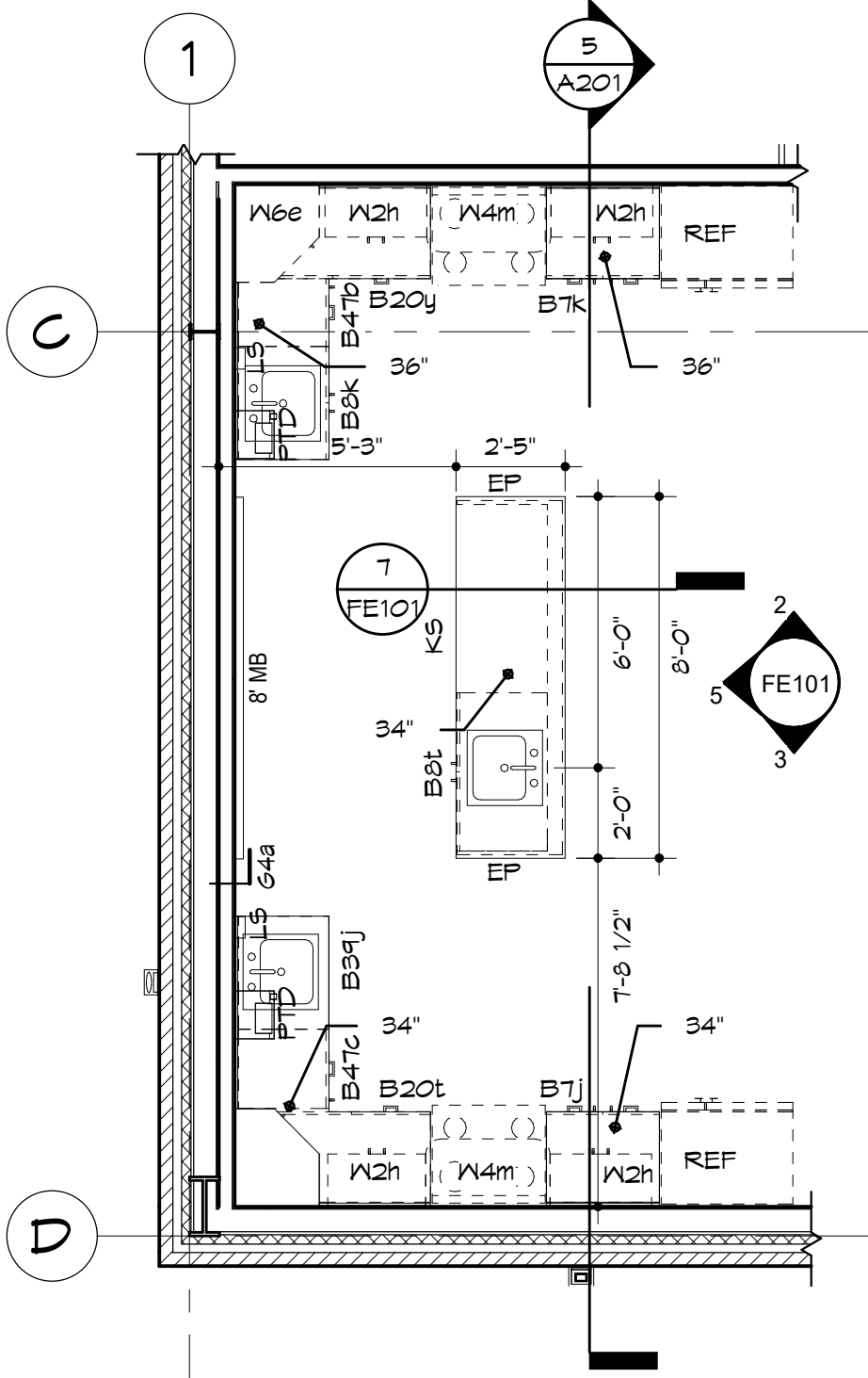
OPEN COUNTER
KS
3'-0"

OPEN SINK BASE
B39
j) 30w x 24d x 34h

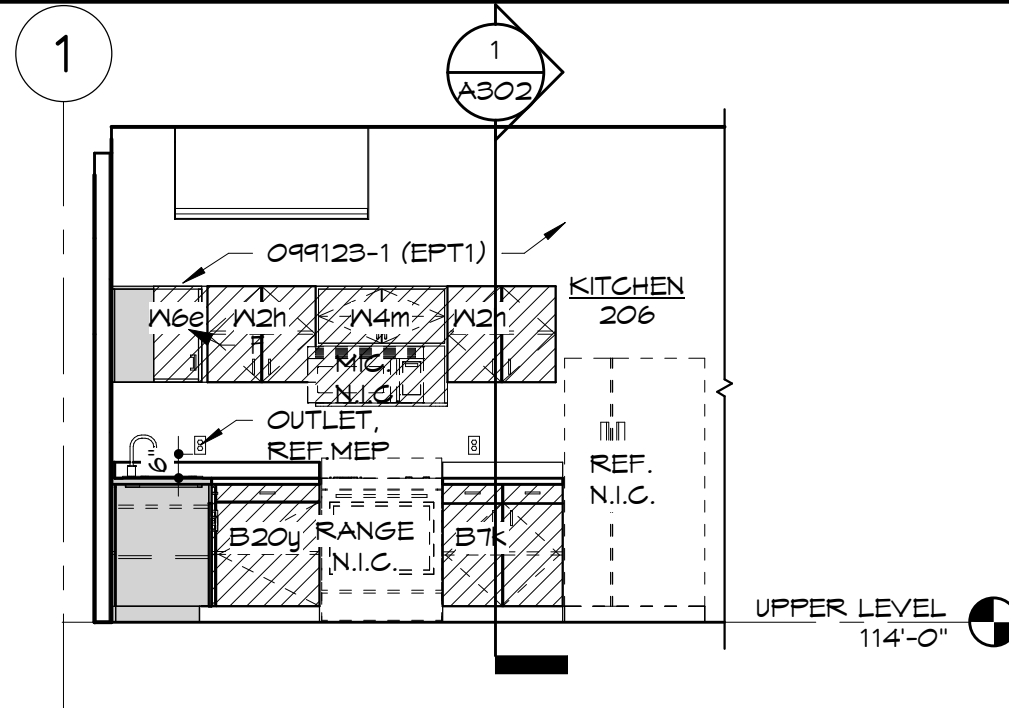
DOOR DRAWER
B47
a) 18w x 24d x 34h
b) 18w x 24d x 36h
c) 21w x 24d x 34h

END PANEL
EP

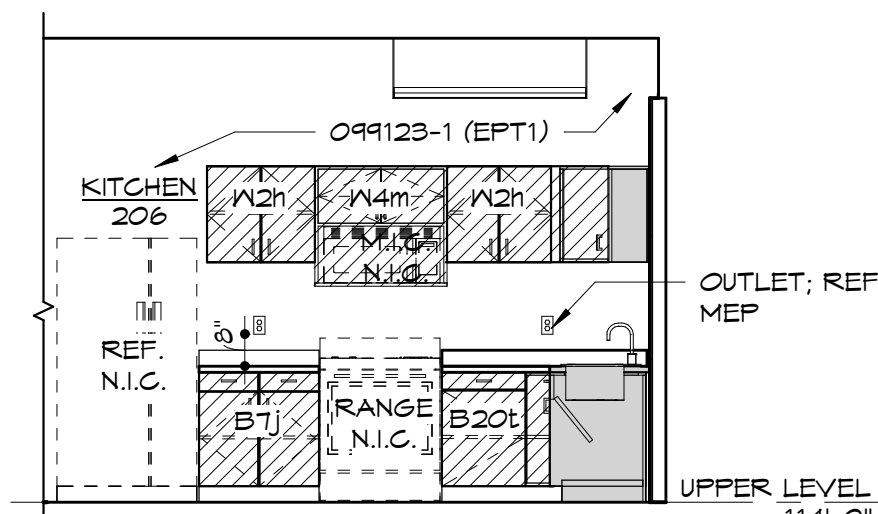
CASEWORK LIST



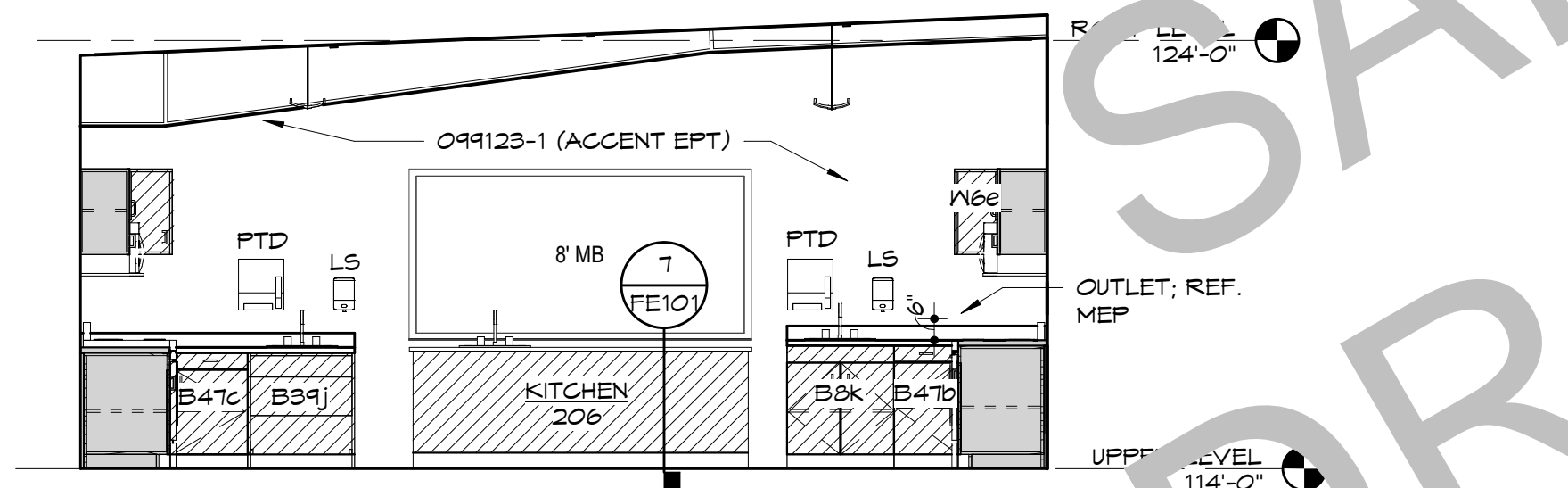
1 KITCHEN 206 ENLARGED FLOOR PLAN
1/4" = 1'-0"



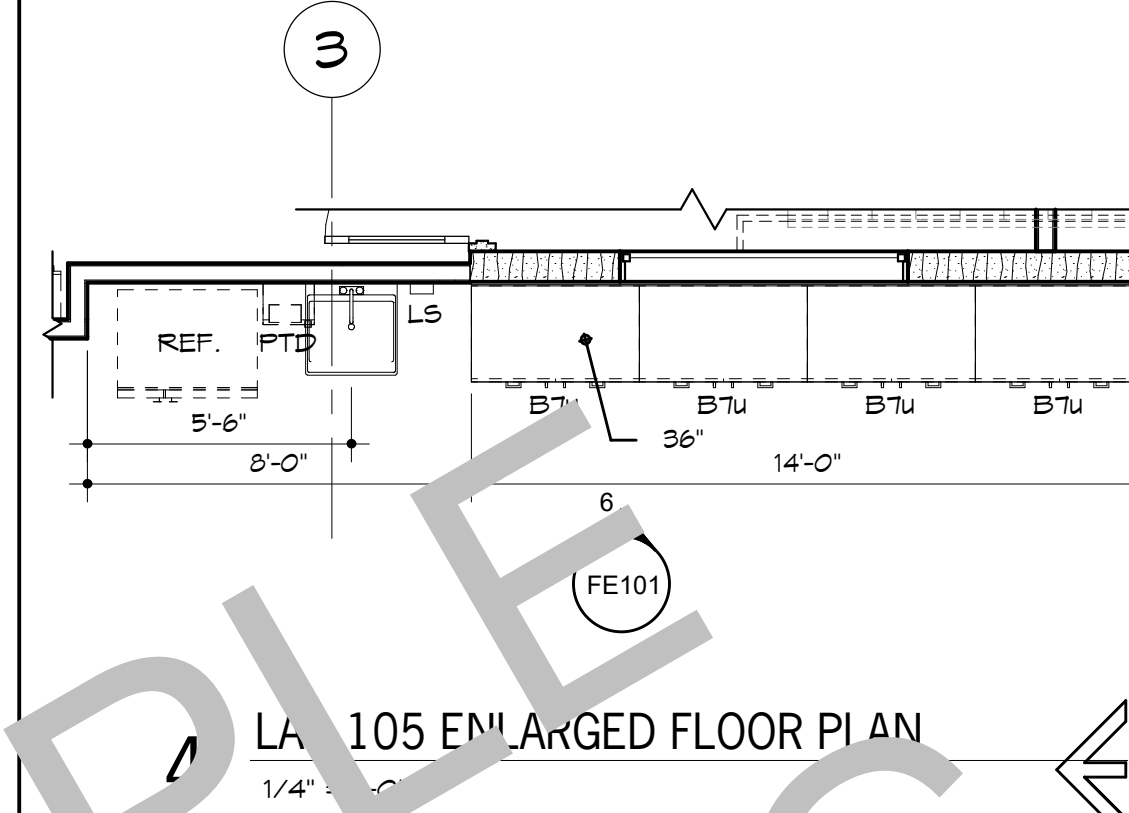
2 KITCHEN 206 EAST ELEVATION
1/4" = 1'-0"



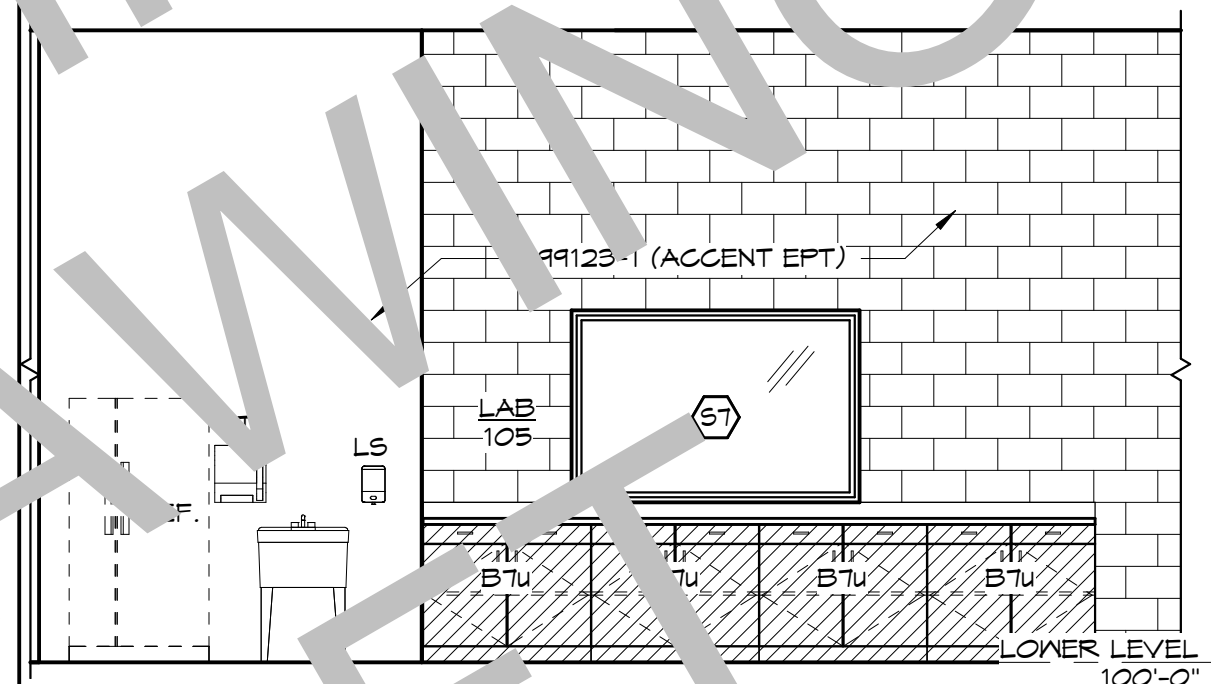
3 KITCHEN 206 WEST ELEVATION
1/4" = 1'-0"



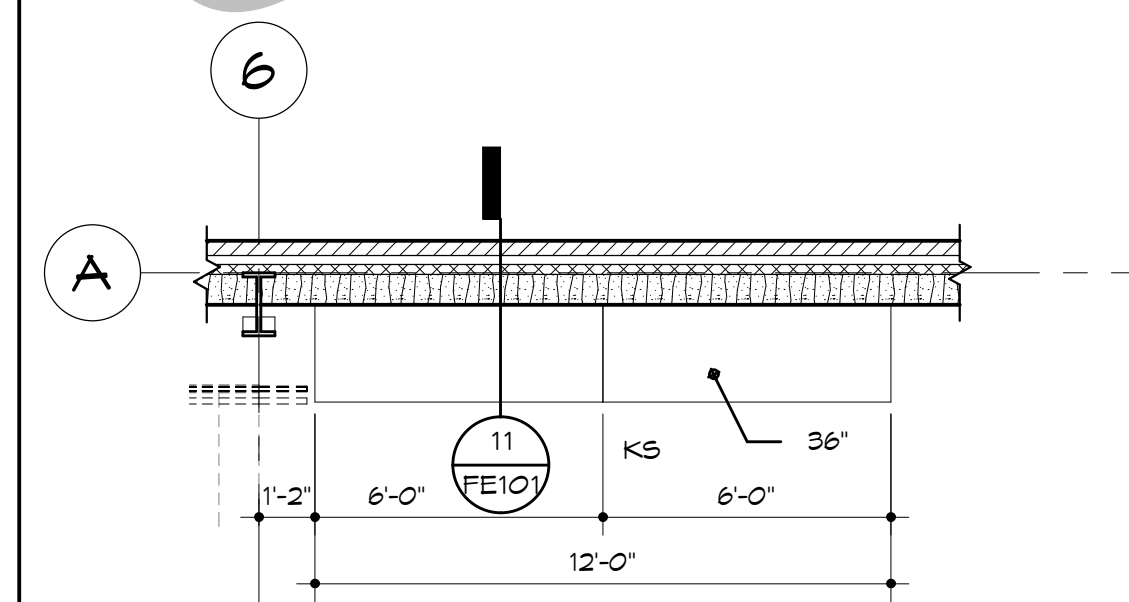
5 KITCHEN 206 NORTH ELEVATION
1/4" = 1'-0"



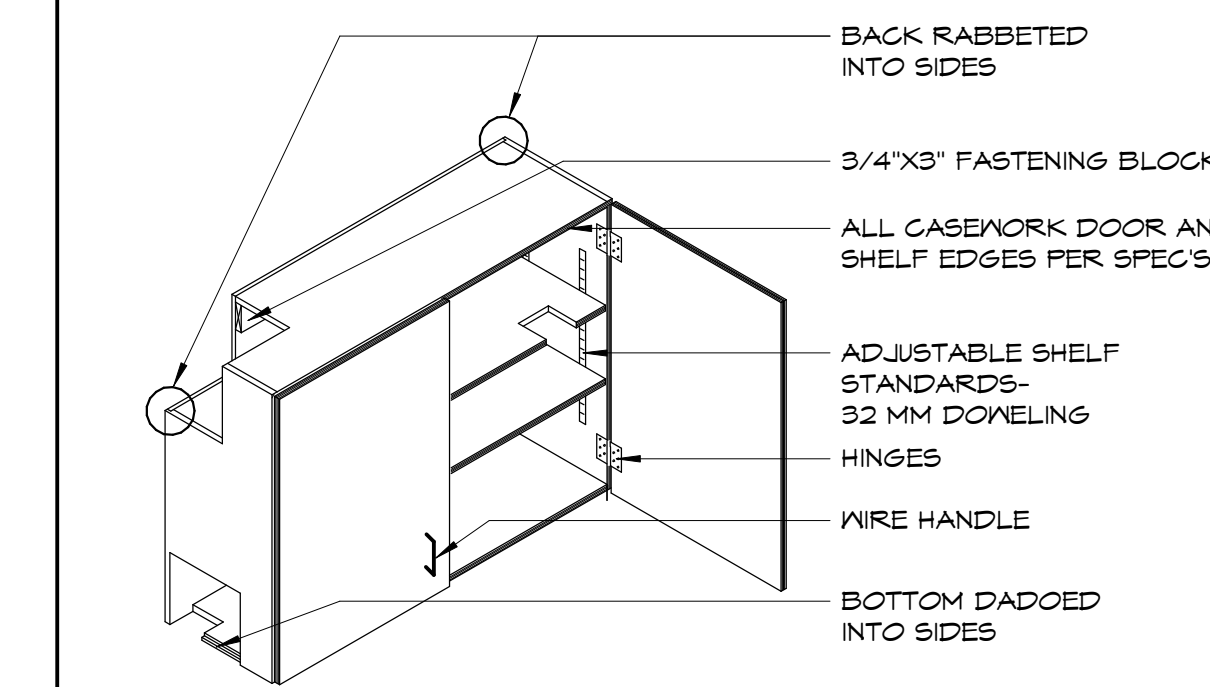
4 LAB 105 ENLARGED FLOOR PLAN
1/4" = 1'-0"



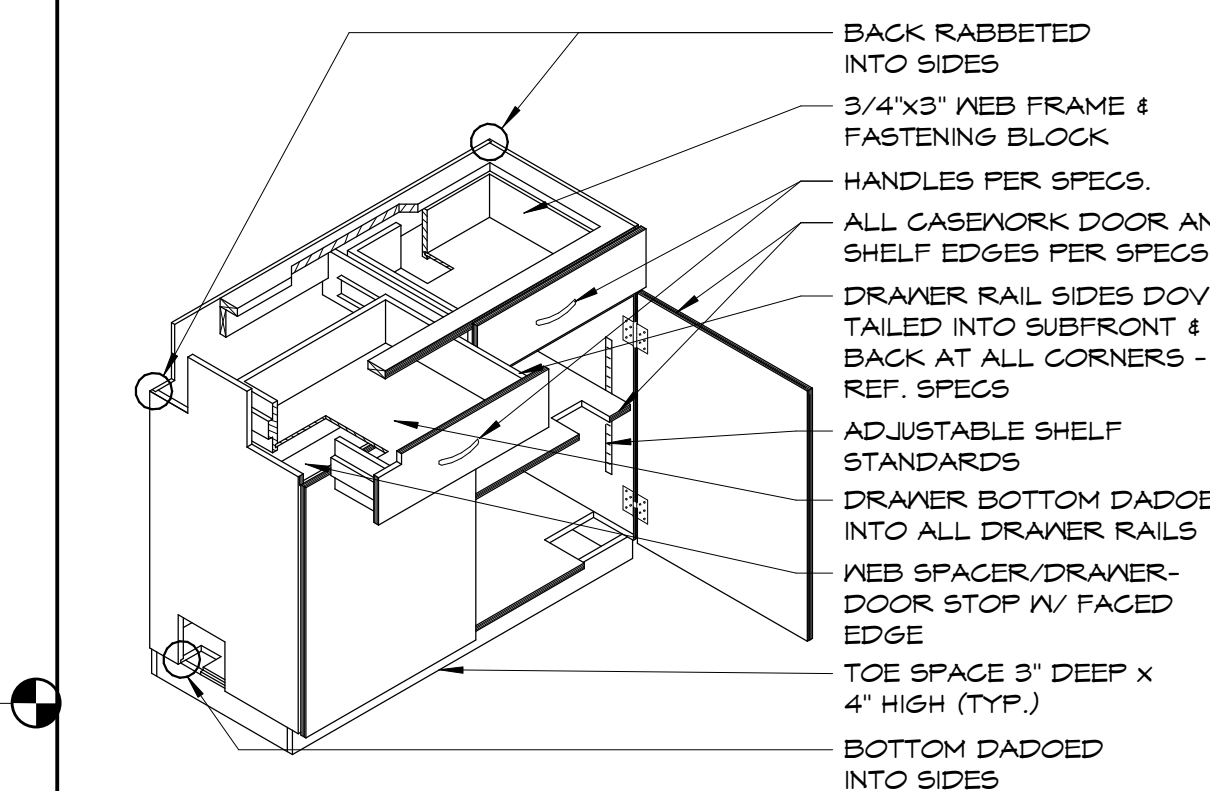
6 LAB 105 EAST ELEVATION
1/4" = 1'-0"



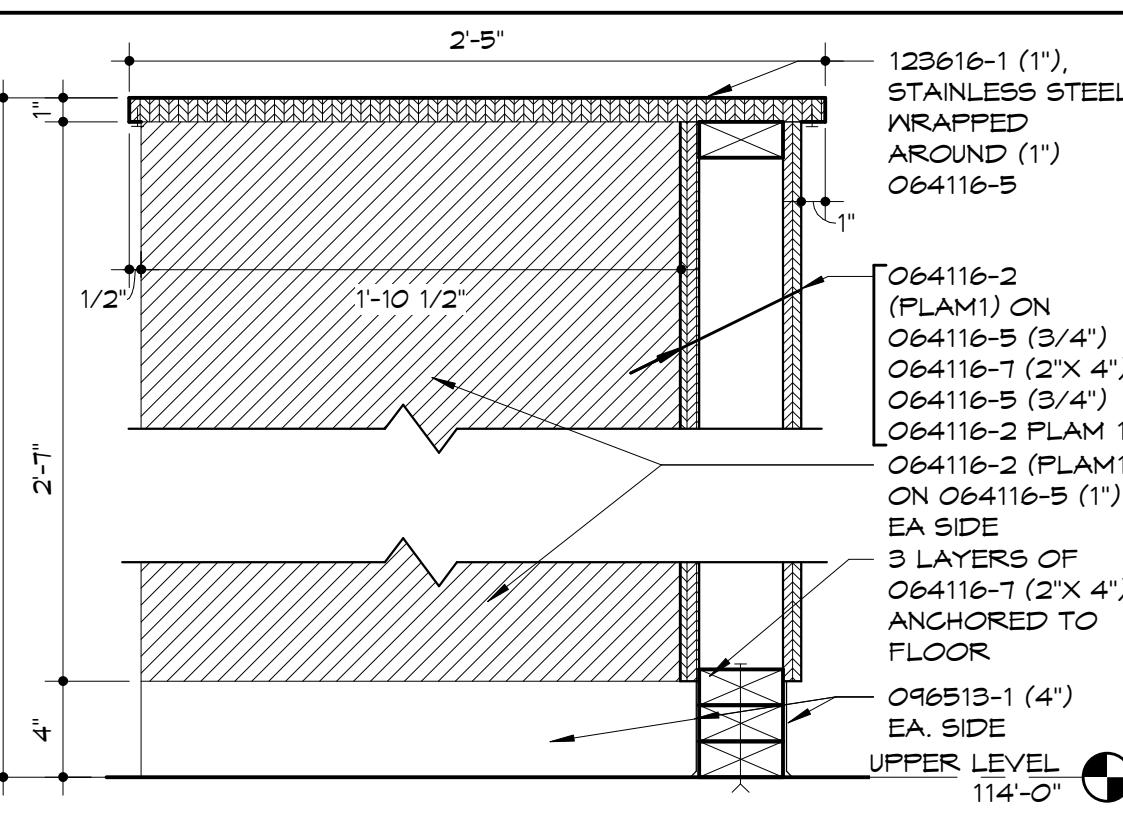
10 AG SHOP 101 ENLARGED FLOOR PLAN
1/4" = 1'-0"



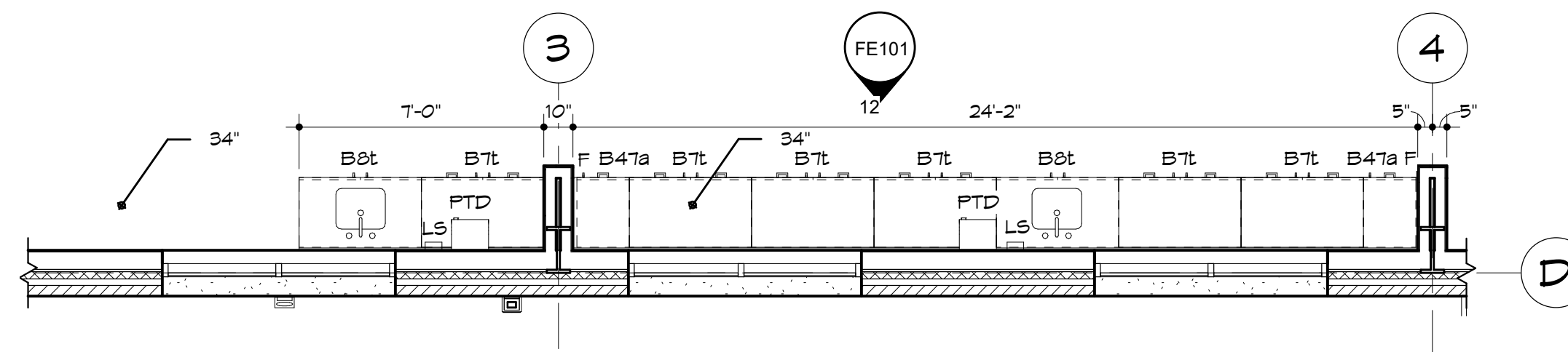
TYP. WALL CABINET



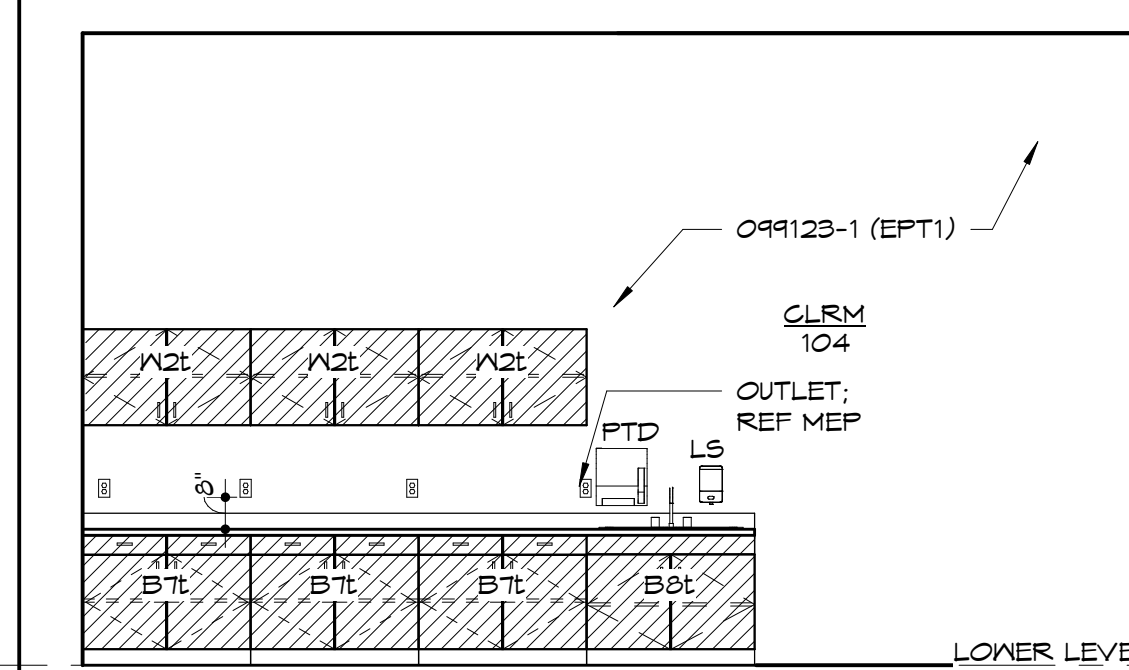
TYP. BASE CABINET



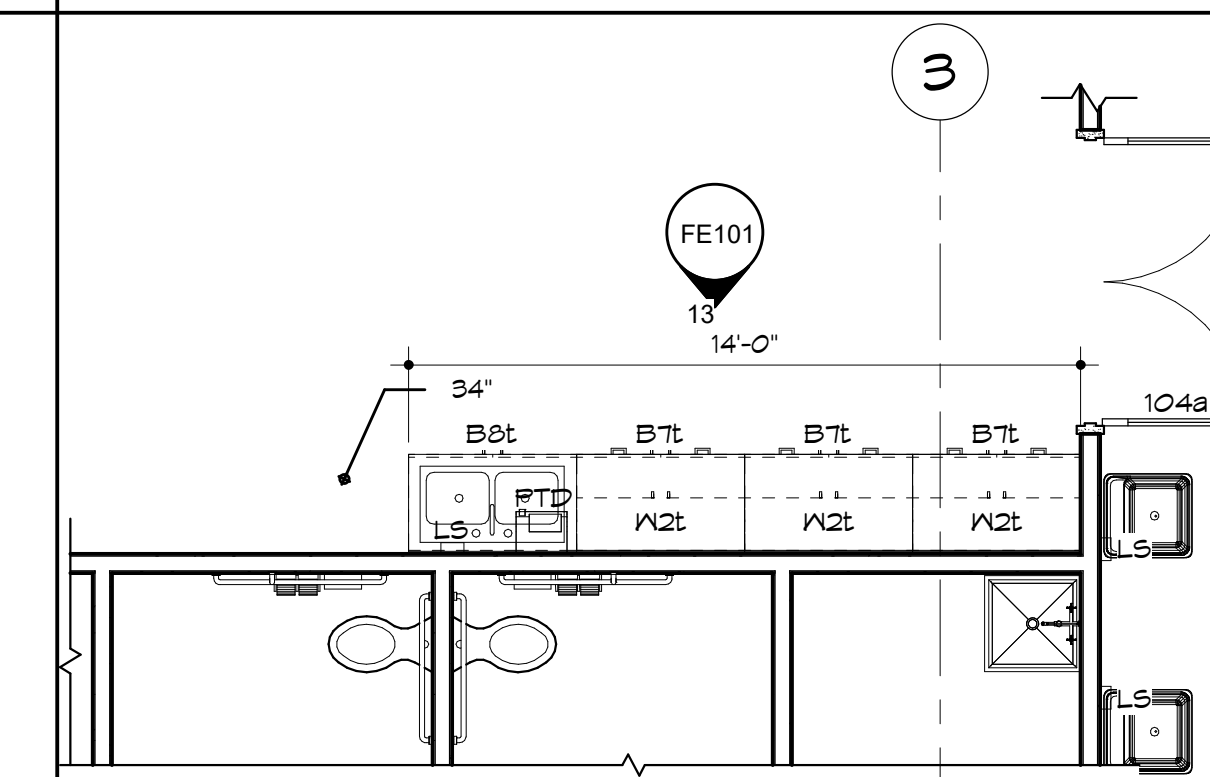
7 KITCHEN BUILT IN CASEWORK
1 1/2" = 1'-0"



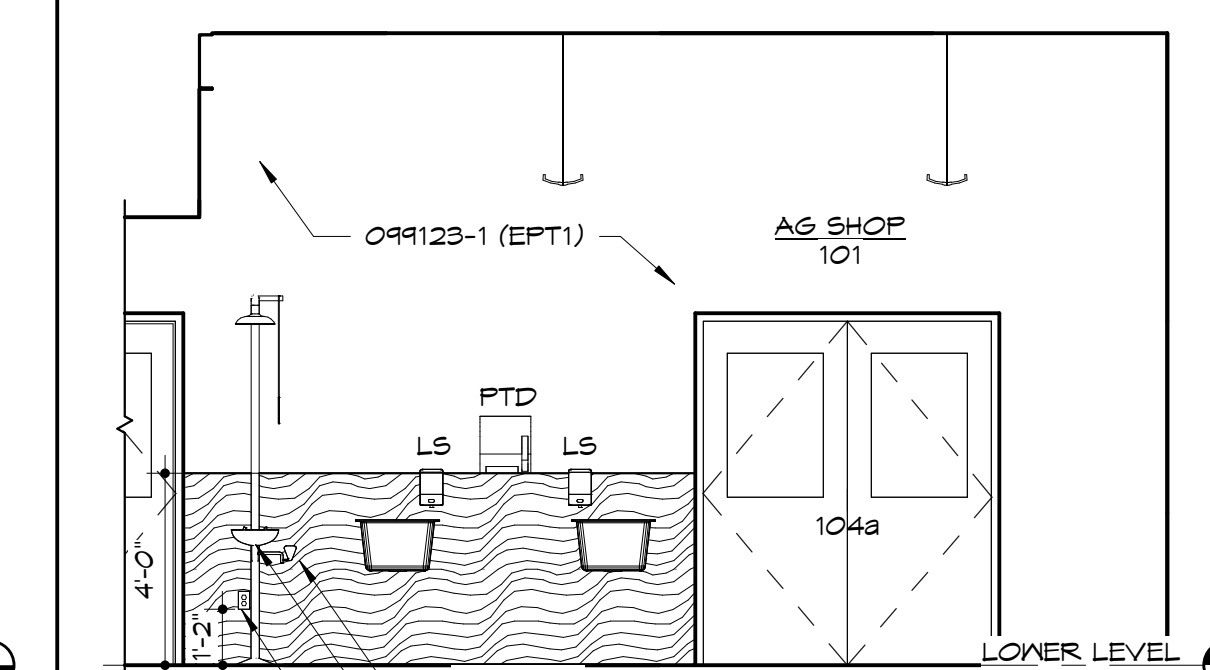
8 AG LAB 205 ENLARGED FLOOR PLAN
1/4" = 1'-0"



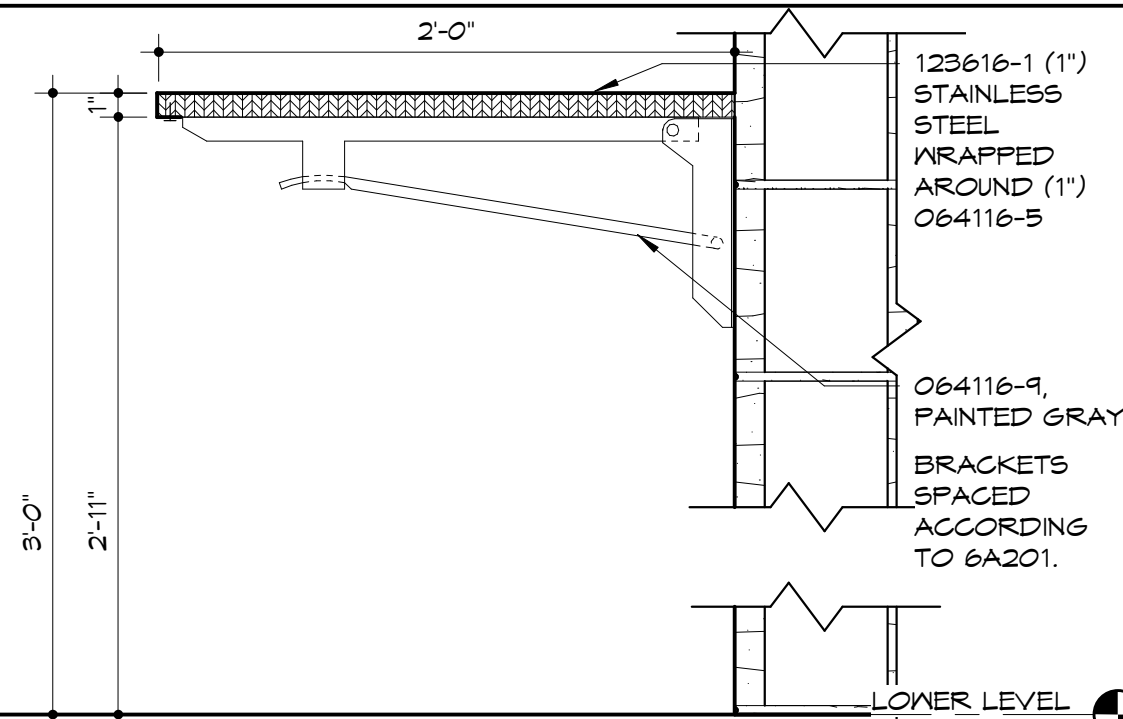
13 CLRM 104 WEST ELEVATION
1/4" = 1'-0"



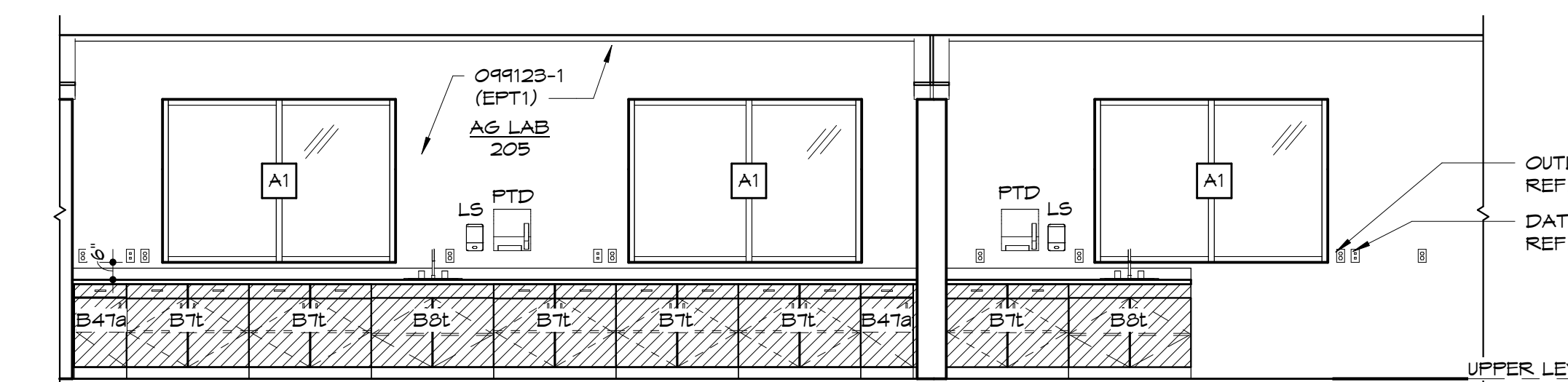
9 CLRM 104 ENLARGED FLOOR PLAN
1/4" = 1'-0"



14 AG SHOP WASH SINK ELEVATION
1/4" = 1'-0"



11 METAL FOLD DOWN TABLE DTL
1 1/2" = 1'-0"



12 AG LAB 205 WEST ELEVATION
1/4" = 1'-0"

FIXED EQUIPMENT GENERAL NOTES

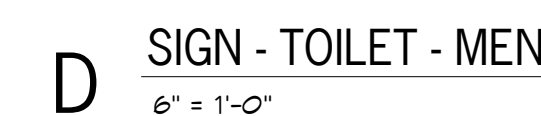
- A. ALL SCHEDULED HEIGHTS ARE FROM FLOOR TO TOP OF CASEWORK UNIT (U.N.O.). HEIGHT OF CASEWORK SHALL BE MEASURED TO TOP OF FINISHED COUNTERTOP.
- B. FILLER PANELS SHALL BE OF SAME MATERIAL, THICKNESS & FINISH AS CABINET - COLOR TO MATCH BODY.
- C. REF. SPECS & DETAILS FOR TYP. CASEWORK CONSTRUCTION.
- D. FIELD VERIFY ALL LOCATIONS & ADJUST UNIT DIMENSIONS AS REQUIRED TO FIT.
- E. MECHANICAL, PLUMBING & ELECTRICAL FIXTURES & FITTINGS BY MECHANICAL/ELECTRICAL CONTRACTOR U.N.O.
- F. REF. MECHANICAL/ELECTRICAL DRAWINGS FOR COORDINATION WITH ELECTRICAL OUTLETS, PLUMBING & MECHANICAL.
- G. PROVIDE PLASTIC LAMINATE ON SURFACES OF CASEWORK EXPOSED TO VIEW.
- H. PROVIDE CONTINUOUS COUNTERTOP & 4" HIGH BACK SPLASH AND/OR SIDESPLASH WHERE ABUTS VERTICAL WALL SURFACE. ALL BASE CABINETS.
- I. PROVIDE LOCKS ON ALL CABINET DOORS/ DRAWERS. ALL CASEWORK LOCKS WITH IN A ROOM KEYS ALIKE. EACH ROOM KEYS DIFFERENT. PROVIDE THREE (3) MASTER KEYS.
- J. PROVIDE FILLER PANEL @ TOP OF CABINET @ ALL LOCATIONS WHERE (2) WALL OR TALL CABINETS MEET @ INNER CORNER. PROVIDE A CONTINUOUS BRACING @ THE WALL TO ALLOW FOR STORAGE OF ITEMS ABOVE THE FILLER.
- K. MOUNT TOPS OF ALL WALL CABINETS AT 84" A.F.F., U.N.O.
- L. TYP. TOEKICK 4" HIGH UNLESS NOTED OTHERWISE.
- M. PROVIDE METAL COUNTERTOP WITH APPROPRIATE SUPPORT FOR LENGTH OF COUNTER. USE IN CONJUNCTION WITH WALL CLEATS & MTL. COUNTERTOP SUPPORTS.
- N. PROVIDE COUNTERTOP ON ALL CABINETS WITH TOP AT 60" A.F.F. OR LOWER.

FIXED EQUIPMENT LEGEND

- PLAM COLOR *1
- NOTE:
- 1) * = ACTUAL COLORS WILL BE INDICATED BY ARCHITECT IN APPROVED SHOP DRAWINGS.
- 2) PLAM COLOR TO WRAP CONTINUOUSLY AROUND CORNERS.
- B1 BASE CASEWORK ELEVATION NUMBER
- N1 WALL CASEWORK ELEVATION NUMBER
- EP END PANEL
- KS KNEE SPACE
- F FILLER
- G GROMMET WITH CAP, 2 1/2" DIAMETER U.N.O.

TOILET ACCESSORIES LEGEND

- TT TOILET TISSUE DISPENSER
- ND SANITARY NAPKIN DISPENSER
- *MEN'S RR DO NOT HAVE SANITARY NAPKIN DISPENSER. ALL OTHER RRS TO RECEIVE ND.
- LS LIQUID SOAP DISPENSER
- PTD PAPER TOWEL DISPENSER
- MR FRAMED MIRROR (18" X 36") U.N.O.

SIGN SCHEDULE GENERAL NOTES

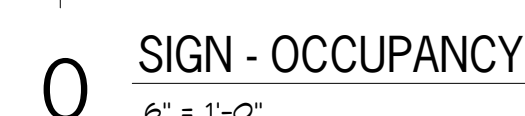
1) THE TEXT-NUMBER AND TEXT-NAME INDICATED ON THE PANEL SIGN SCHEDULE ARE FOR REFERENCE ONLY. THE CHARACTERS TO BE PRINTED ON THE SIGN WILL BE INDICATED BY THE PANEL SIGN SCHEDULE.

2) ALL SIGNS ADJACENT TO DOORS OR OPENINGS
TO BE LOCATED ACCORDING TO DETAIL 1/FE201.

3) SIGNS LOCATED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS ARE TO BE INSTALLED TO THE RIGHT OF THE RIGHT HAND DOOR.

4) WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OR THE RIGHT SIDE OF DOUBLE DOORS, SIGN IS TO BE LOCATED AT THE NEAREST ADJACENT

5) SIGN TYPE AND LOCATION INDICATED AS:
REF. SHEET A101.



NOTE: REFER TO MECHANICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT NOT SHOWN

NOTE: REFER TO STRUCTURAL DRAWINGS FOR
REINFORCING STEEL IN EXTERIOR WALLS AND
CONCRETE NOT SHOWN

NOTE: REFER TO ALL SECTIONS & DETAILS (SECTIONS & DETAILS LOCATED ON THIS SHEET, PRECEDING SHEETS AND FOLLOWING SHEETS) FOR APPLICABLE NOTES NOT SHOWN

GENERAL NOTES - STRUCTURAL

1. General Information

- A. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
- B. 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/opening using ground penetrating radar and notify the engineer of record for review prior to core/cutting, conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
- C. All design and construction work for this project shall conform to the requirements of the following governing design codes:
- 1) International Building Code (IBC 2012) as amended by the city of
 - 2) Minimum Design Loads for Buildings and Other Structures (ASCE7-10)
 - 3) Specification for Structural Steel Buildings (AISC 360-10)
 - 4) Member Design Basis is Allowable Stress Design (ASD)
 - 5) Connection Design Basis is Allowable Stress Design (ASD)
 - 6) Building Code Requirements for Reinforced Concrete (ACI 318-11)
 - 7) Building Code Requirements for Masonry Structures (ACI 530-11)
 - 8) TMS 402-11)
 - 9) North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100-07/S1-1)
 - 10) National Design Specification (NDS) for Wood Construction with 2012 Supplements (ANSI/APWC NDS-2012)
 - 11) Special Design Provisions for Wind and Seismic (AWC SDPWS-2008)
- D. These drawings are for this specific project and no other use is authorized.

2. Structural Load Design Criteria

- A. Floor Live = 100psf (Typical U.N.O.) = 125psf (Mezzanine)
- B. Roof Snow = 20 psf
- C. Snow, Pg = 20psf, Pf = 14psf, Is = 1.0, Ce = 1.0, Ct = 1.0, Drift per ASCE/SEI 7
- D. Lateral Loads:
- 1) Wind: V = 115 mph, Exposure B
 - 2) Occupancy (Risk) Category II, Ie = 1.0 GCPH = +0.18
 - 3) Design wind pressures to be used for the design of exterior component and cladding materials on the designated zones of wall and roof surfaces shall be per section 30.7 and Table 30.7-2 of ASCE/SEI 7. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment factors, and topographic factors where applicable
 - 4) Seismic: Ss = 0.128, Si = 0.082
 - 5) Occupancy (Risk) Category II, Ie = 1.0
 - 6) Site Classification D, Sds = 0.137, Sd1 = 0.082
 - 7) Seismic Design Category D
- F. This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the International Building Code.

3. Concrete

- A. 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.
- B. All concrete for interior flatwork (without floor covering) 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 shrinkage is less than 0.034% at 28 days when tested according to ASTM C157 (air drying method only).
- C. All concrete for interior flatwork (with floor covering) shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 540 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.40 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 shrinkage is less than 0.034% at 28 days when tested according to ASTM C157 (air drying method only).
- D. All concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 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.
- E. 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.
- F. The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.
- G. Combined aggregate (coarse plus fine) for all concrete shall be well graded from coarsest to finest with no more than 18 percent and not less than 8 percent retained on an individual sieve except that less than 8 percent may be retained on coarsest sieve and on No. 50 and finer sieves. Submit this grading report with the concrete mix design shop drawings.
- H. All interior concrete slab grade shall be placed over 15 mil. Class A Vapor Barrier per ASTM E1745 with less than 0.01 perms, tested after mandatory conditioning. All joints shall be lapped and sealed per manufacturer's recommendations. All penetrations, as well as damaged vapor barrier material shall also be 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 slab, 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.
- I. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 315, current editions.
- J. Control joints in dirt formed slab 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 side ratio shall not exceed 1:12 to 1.
- K. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
- L. Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x horizontal keys at construction joints for shear transfer.
- M. No aluminum items shall be embedded in any concrete.

4. Reinforcing Steel

- A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A185.
- B. Clear minimum coverage of concrete over reinforcing steel shall be as follows:
- 1) Concrete placed against earth: 3"
 - 2) Formed concrete against earth: 2"
 - 3) Slabs: 1"
 - 4) Other: 1"
- C. All coverage shall be nominal bar diameter minimum.
- D. All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 24" minimum unless noted otherwise).
- E. At corners of all walls, beams, and grade beams supply corner bars (minimum 2" on each direction or 48 bar diameters) in 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.
- F. Bars marked continuous and all vertical steel shall be lapped 48 bar diameters (2" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
- G. At all holes in concrete walls and slabs, add 2 #5 bars (opening dimension plus 96 diameters long) at each of four sides and add 2 #5 5"0" diagonally at each of four corners of hole. Openings in 8" thick walls are reinforced similar, but with 1 #5 instead of 2 #5, respectively.
- H. Unless otherwise covered on architectural plans or specifications, vertical control joints in concrete wall shall be spaced at a maximum of 20'-0" on center and coordinated with the architect. Every other horizontal wall reinforcing bar shall be discontinuous at control joints except heavy top and bottom bars unless noted otherwise. Provide base seal waterproof style number 772 (by Greenstreak Inc. or approved equal) on dirt face side of wall at all walls below grade.
- I. Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.
- J. All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with #4 bars at 12" on center each way minimum. Porches shall be dovetailed to adjacent walls or grade beams with #4 bars at 12" on center, hooked or embedded 48 diameters into both members. Slope porches 1/8" per foot for drainage unless noted otherwise.
- K. Allow 1/2 ton of reinforcing bars #4 or larger to be used as directed in the field for special conditions by the engineer of record (labor for placing same to be included).

5. Structural Steel

- A. 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 B. Fabrication and erection shall be in accordance with AISC 303-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 13th Edition of the AISC Steel Construction Manual.
- B. All welding shall conform to the recommendations of the AWS.
- C. All exterior steel and connections, and brick relief angles shall be hot-dip galvanized.

- D. All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N). All bolts shall be fully pretensioned. All beam connections shall be designed per the AISC Manual of Steel Construction "Framed Beam Connections" for the indicated reactions or at least 0.4 x beam total shear capacity, Vn/Omega, shown in the maximum total uniform load tables, whichever is greater; and, shall account for eccentricity when the bolt line is more than 2" from the center of the support. All connections must be two-bolt minimum.
- E. Connection design and shop drawing preparation shall be completed under the direct supervision of a professional engineer licensed in the state the project is located and shop drawings and connections shall bear his seal.
- F. 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.
- G. 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.
- H. Allow 1/2 ton structural steel to be used as directed in field for special conditions by the engineer of record. Cost for shop drawings, fabrication, delivery, detailing, and erection to be included. 50% of structural steel allowance shall be bid as miscellaneous galvanized angle and plate.

6. Pre-Engineered Metal Building Design Criteria

- A. Design of metal building frame and components shall comply with the 2012 International Building Code with the following minimums:
- 1) Roof Live Load = 20 psf
 - 2) Snow Load = (14 psf + drift) or (20 psf minimum)
 - 3) Collateral Load = 5 psf + suspended mechanical equipment loads
 - 4) Wind and Seismic per General Note 2D
 - 5) Maximum allowable lateral drift = H/240
- B. Provide column base reactions (vertical, horizontal and uplift) to project structural engineer for verification of footing design and anchor bolt lengths prior to fabrication of foundation materials and construction.
- C. Shop drawings showing complete erection and fabrication details, as well as calculations shall be submitted to the project architect/engineer for review prior to fabrication and/or erection. Such drawings shall also be submitted to local government controlling agencies for permitting when requested by that agency.

7. Post Installed Anchors

- A. 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 (ICC-ES ESR) to the proper design authority, building official and structural engineer, prior to placement of steel or concrete. This inspection shall be at the owner's expense.
- B. 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.
- C. 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.
- D. 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.
- E. 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.
- F. Anchors used in hollow concrete masonry shall have been tested and qualified in accordance with ICC-ES AC106 or ICC-ES AC08 as appropriate. All anchors shall be installed per the anchor manufacturer's written instructions with appropriate screen tubes used for adhesives.

8. Foundations

- A. The soil investigation was prepared by Terracon Consultants, Inc., the report number is C0186059, and the telephone number is 785-267-3310.
- B. Structural foundations consist of a network of straight shaft drilled piers established on slightly weathered shale capable of safely supporting 40ksf end bearing. Each pier hole shall be observed by project soils engineer for suitable bearing material.
- C. Spread footings and grade beams are designed to bear on engineered fill or undisturbed soil capable of safely sustaining 2,000psf.
- D. Contractor shall provide for dewatering at excavations from either surface water or seepage.
- E. 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.
- F. All concrete in the structural portion relating the backfill shall have attained its design strength prior to being backfilled.
- G. 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 subgrade 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.

9. Drilled Piers

- A. Piers not otherwise indicated shall be 30" diameter.
- B. All piers shall have (6) #7x5'0" hooked dowels unless otherwise indicated.
- C. Pier dowels shall extend 48 diameters above top of pier. Driving dowels into concrete after initial set is not allowed.
- D. Refer to the specifications (sections for excavation and concrete) for other detailed requirements.
- E. Pier concrete to have 6" slump.

10. Concrete Masonry Units

- A. Concrete block used in exterior walls or load bearing walls shall meet the requirements of ASTM C90 and have a minimum net compressive strength of 1900 psi and laid up using type N mortar such that f'm equals 1500 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.
- B. The contractor shall provide adequate temporary bracing for all masonry walls during construction.
- C. All concrete block shall have 9 gage (or larger) horizontal joint reinforcing (ladder or truss) per architectural drawings and specifications (16" maximum vertical spacing).
- D. Cavity wall construction shall be reinforced as designed for specific concrete block used. The horizontal joint reinforcing shall be of the ladder or truss style per specification and continuous between brick and block, as prescribed by the architectural drawings.
- E. Concrete block shall be reinforced as follows in 8" and 12" walls:
- 1) Vertical reinforcing:
 - 2) Horizontal reinforcing:
- F. 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.
- G. 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.
- H. Unless otherwise covered on architectural plans or specifications, vertical control joints in masonry construction shall be 3/8" wide, full height of wall. Joints shall be spaced at a maximum of 24'-0" on center and coordinated with the architect. All horizontal joint reinforcing shall be discontinuous at control joints in masonry. All bond beam horizontal reinforcing shall be continuous through control joints.
- I. Unless over all openings up to 8'-0" wide in new existing masonry walls not otherwise covered shall be one 6x3 1/2x5/16 angle for each 4' width of masonry. All exterior lintels to be galvanized.
- J. Walls shall be anchored top and bottom by dowels matching wall vertical reinforcing (unless noted otherwise) from floor slab bottom and bracing angles at the top, per details on the drawings.

11. Light Gage Metal Structural Framing

- A. All load bearing, light gage structural studs, track, and bridging shall be of the type, size, gage, and spacing as shown on the plans, minimum.
- B. All materials shall be 33,000 psi minimum yield, except studs of 16 gage or heavier shall have a minimum yield of 50,000 psi.
- C. All properties, fabrication, and erection shall be in accordance with latest editions of the AISI "Specifications for the Design of Cold-Formed Structural Members."
- D. All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members is not permitted. Members shall be held firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted.
- E. Tracks shall be securely anchored to floor and overhead members. Special anchorage requirements required for wind bracing shall be as shown on the plans.
- F. Prior to fabrication and/or erection, the contractor shall submit shop drawings complete with detail of erection, fabrication, attachments, anchorages, lintels, etc., for review by the architect/engineer.

12. Precast Concrete Members

- A. The contractor/supplier is responsible for the design of all the precast members and connection between them and other structural members. Submit design calculations, sealed by an engineer licensed in the state of the project location, for review by the architect/engineer of record.
- B. All precast members are to be designed in accordance with ACI 318-11, 2012 IBC and other applicable codes, standards (see specs) and design criteria shown on design documents.
- C. Precast concrete members shall conform to the 2012 IBC for the required fire ratings (refer to architects documents).
- D. All wall panels should be designed for building wind loads, seismic loads, gravity loads, and transmit these loads to the foundation through properly designed connections.
- E. Provide blockouts and openings for mechanical/electrical equipment. Refer to mechanical/electrical documents.
- F. Shop drawings shall be complete and shall include a layout plan, fabrication details, estimated camber, connection and anchorage details and member identification marks. Identification marks shall appear on manufactured units to facilitate correct field placement.

13. Shop Drawing Review

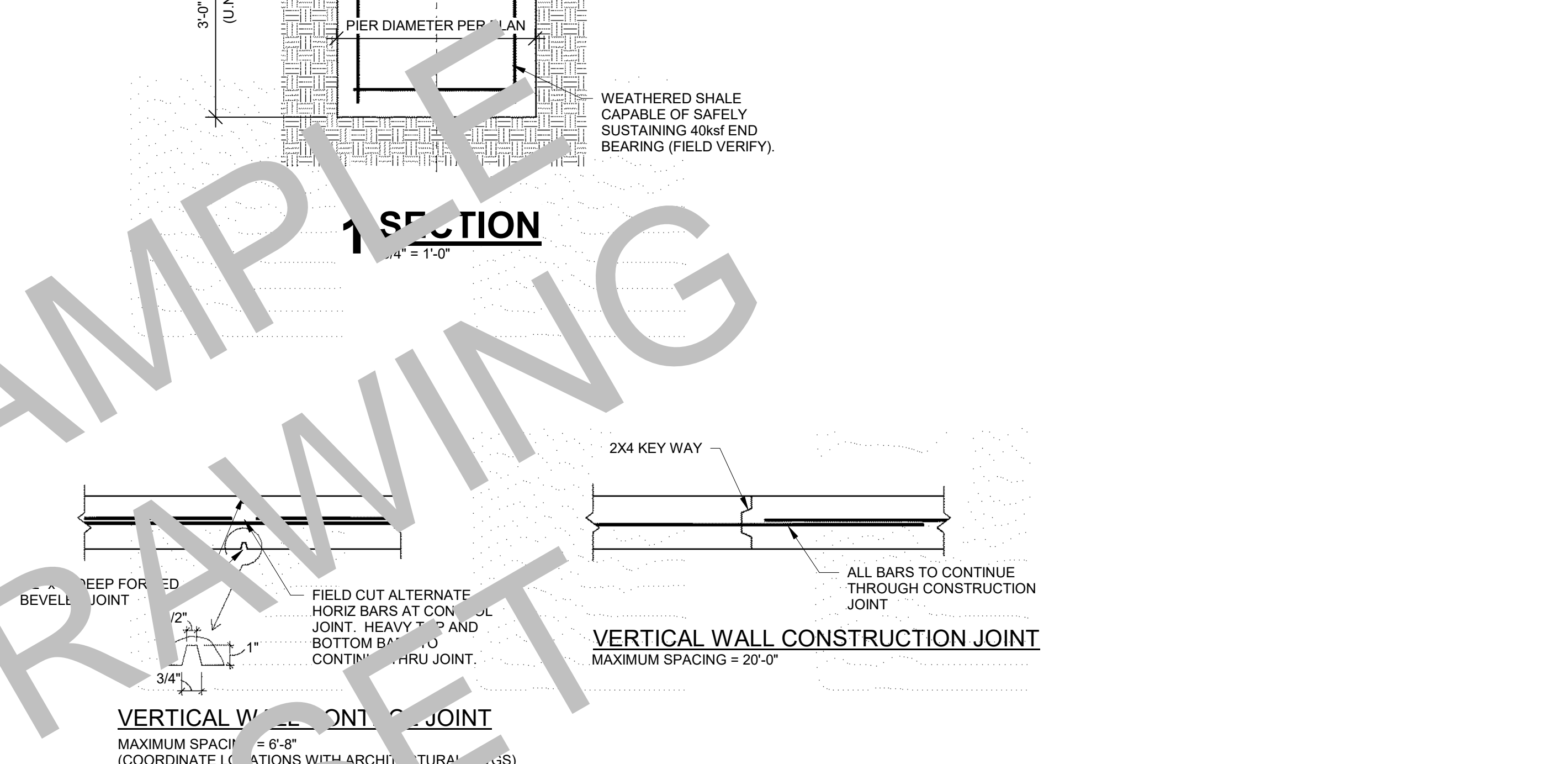
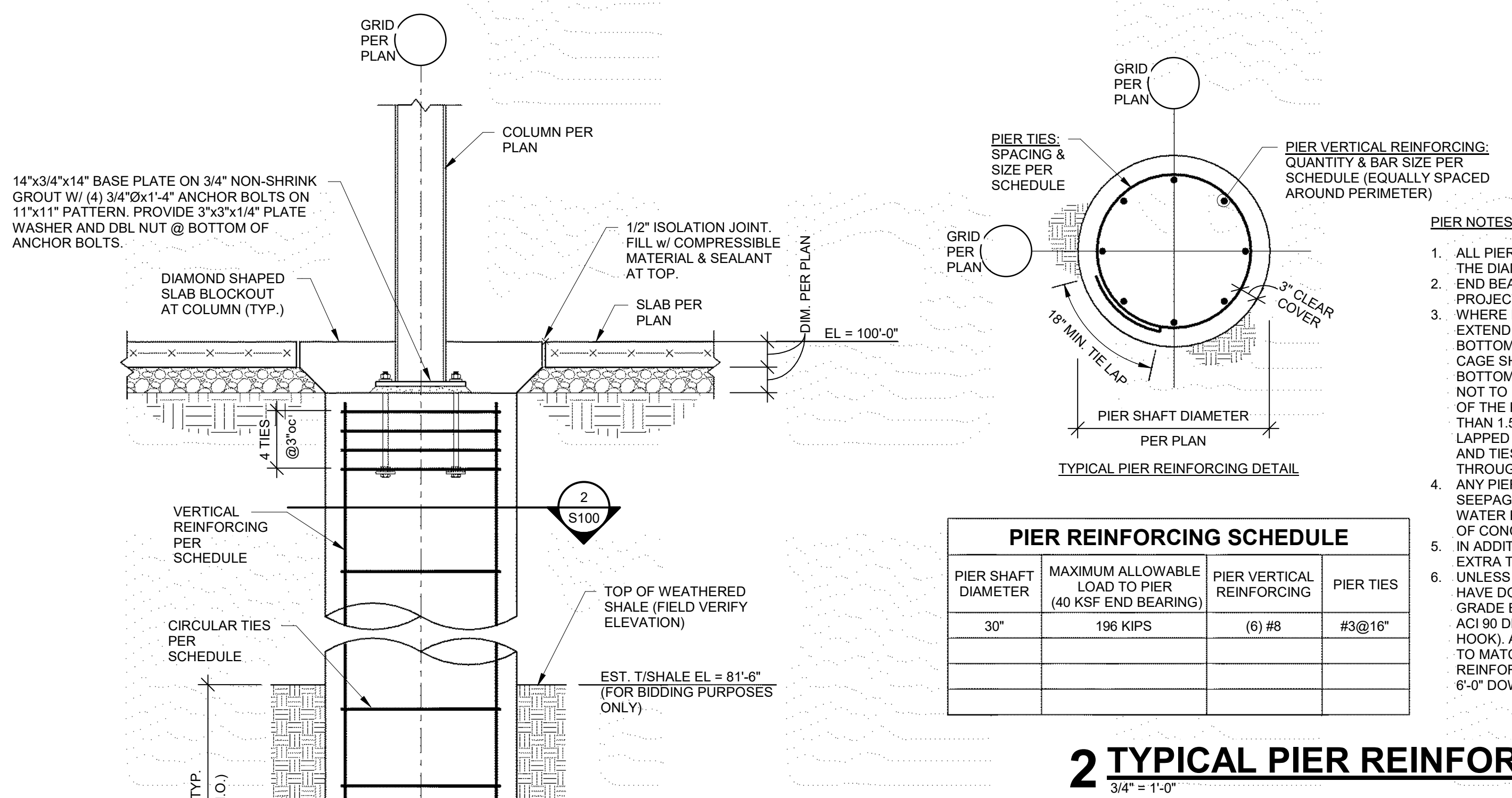
- A. Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by:
- Bob D. Campbell and Company, Inc.
- B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
- 1) 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.
 - 2) Review and approve each submission.
 - 3) Stamp each submission as approved.
- C. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a calculation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
- D. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrevised material or submissions without GC approval stamp.
- E. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC.
- 1) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.
 - 2) Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
 - 3) Elevations of all reinforced concrete masonry walls at a scale no smaller than 3/8" = 1'-0" showing all required reinforcing.
 - 4) Grout mix designs (for CMU).
 - 5) 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.
 - 6) Structural steel connection design calculations submitted concurrently with structural steel shop drawings.
 - 7) Miscellaneous anchors shown on the structural drawings.
 - 8) Standard details and bridging information for light gage metal framing. Erection plans and details for light gage metal joints and lintels spanning more than 6'-0" shall be submitted. Standard wall framing need not be submitted.
 - 9) Light gage truss design calculations and detailed erection and fabrication drawings.
 - 10) Driven or augured pile foundation plans and details.
 - 11) Precast concrete shop drawings including erection drawings and connection details.
 - 12) Precast concrete connection design calculations.

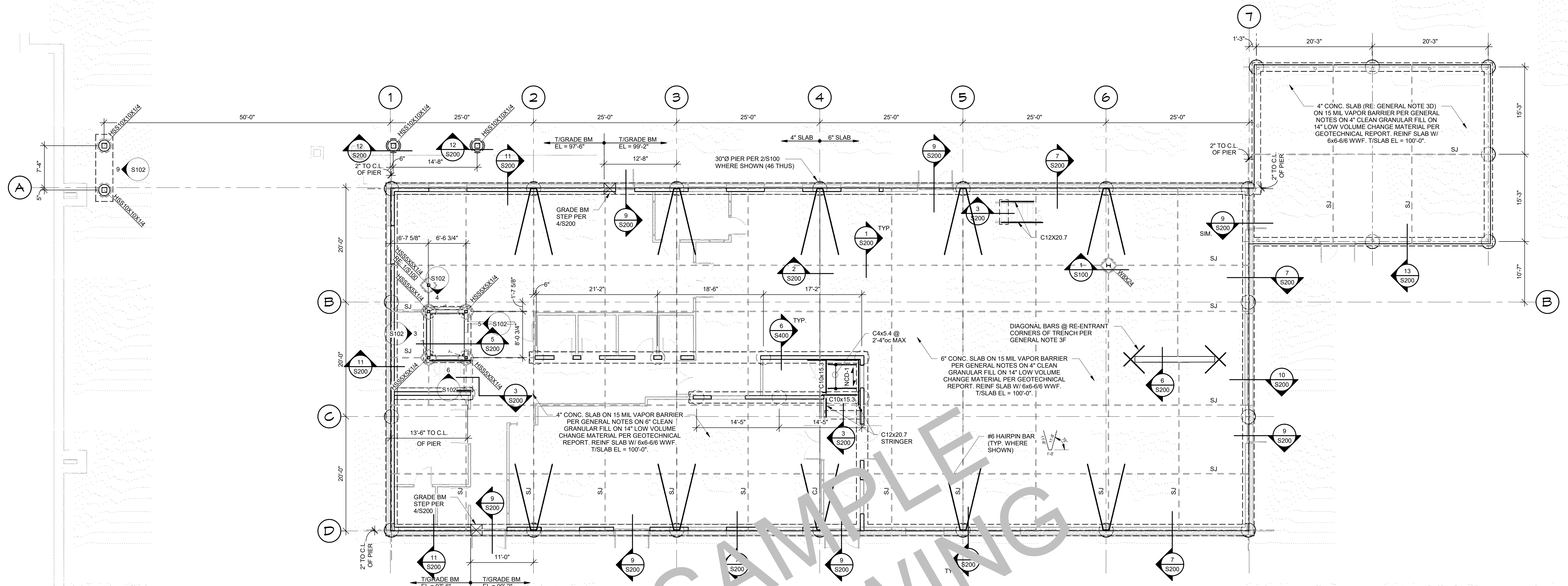
14. Statement of Structural Special Inspections

- A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704.4 of the International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
- B. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
- C. All discrepancies shall be brought to the immediate attention of the building official for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
- D. 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.
- E. The following inspections and tests are required with the frequency (continuous or periodic) as defined within 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 the inspections.
- 1) Shop Fabrication - structural steel per Section 1704.2.5 unless AISC certifies shop drawings - precast concrete per Section 1704.2.5 unless PCI certifies shop drawings
 - 2) Steel Construction per Section 1705.2 and the quality assurance requirements of AISC 341 Chapter 3 (as referenced by AISC 360)
 - 3) Cold-Formed Steel Deck per Section 1705.2.2 and the quality assurance requirements of SDI QAC/QC.
 - 4) Concrete Construction per Section 1705.3 and Table 1705.3
- a. Reinforcing Steel Placement
- b. Reinforcing Steel Welding
- c. Cast in Place Anchors
- d. Post Installed Anchors
- e. Design Mix Verification
- f. Concrete Sampling and Testing
- g. Concrete Placement
- h. Concrete Curing
- i. Prestressed Concrete Stressing and Grouting
- j. Erection of Precast
- k. Masonry Construction per Section 1705.4 and the quality assurance requirements of TMS 402/ACI308/ASCE5 and TMS602/ASCI 1/ASCE6 Level B
- l. Verification of Soils per Table 1705.6
- m. Inspections and Tests of Cast-In-Place Deep Foundation per Table 1705.8

15. Copyright and Disclaimer

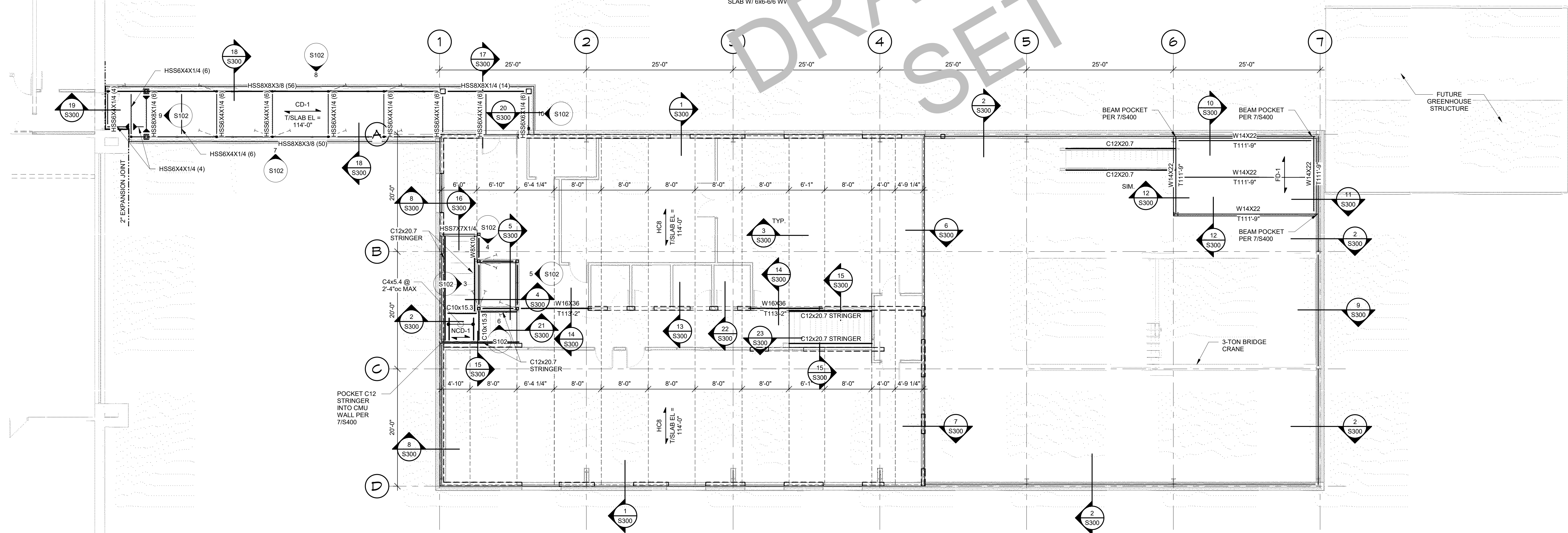
- A. All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed 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.
- B. I, Richard C. Crabtree, 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 S-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.





1 FOUNDATION PLAN

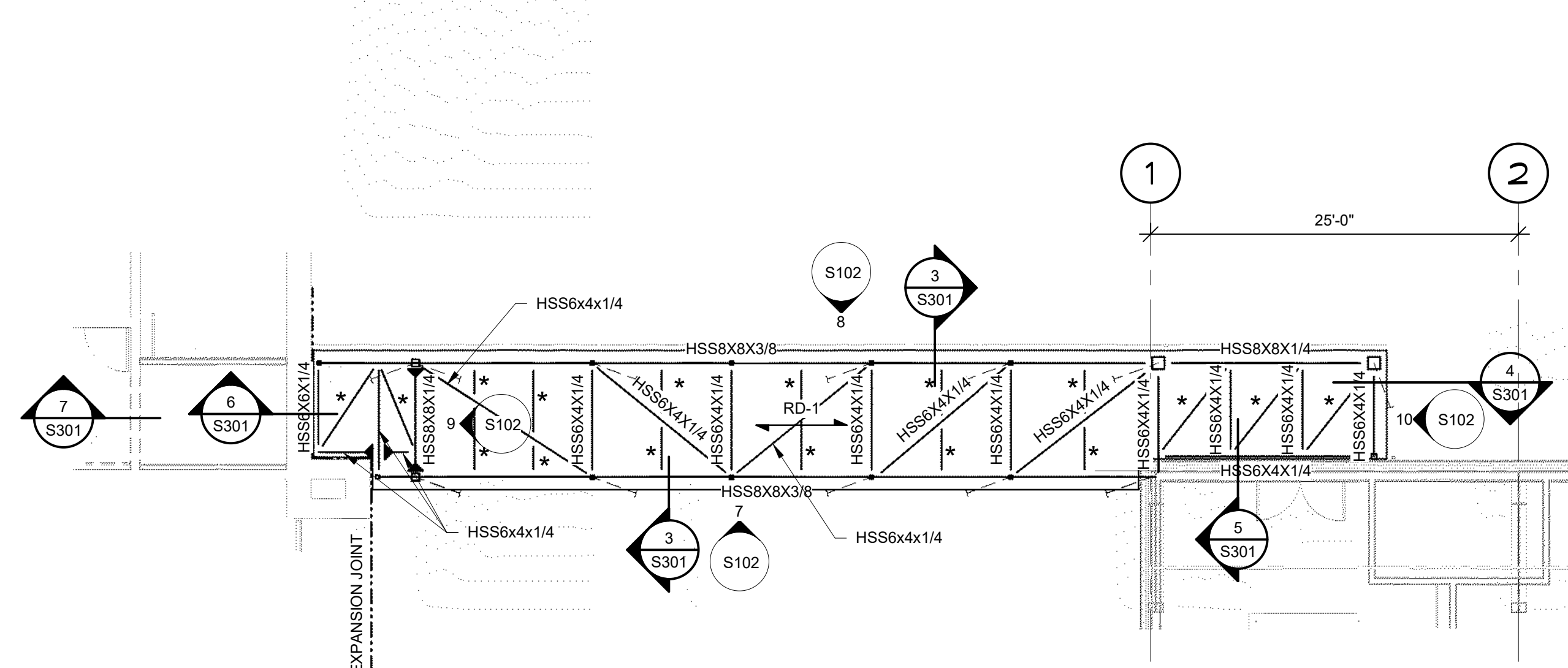
- NOTES:
1. REFER TO GENERAL NOTES ON SHEET S100.
 2. NCD-1 INDICATES 2\"/>



2 UPPER LEVEL FRAMING PLAN

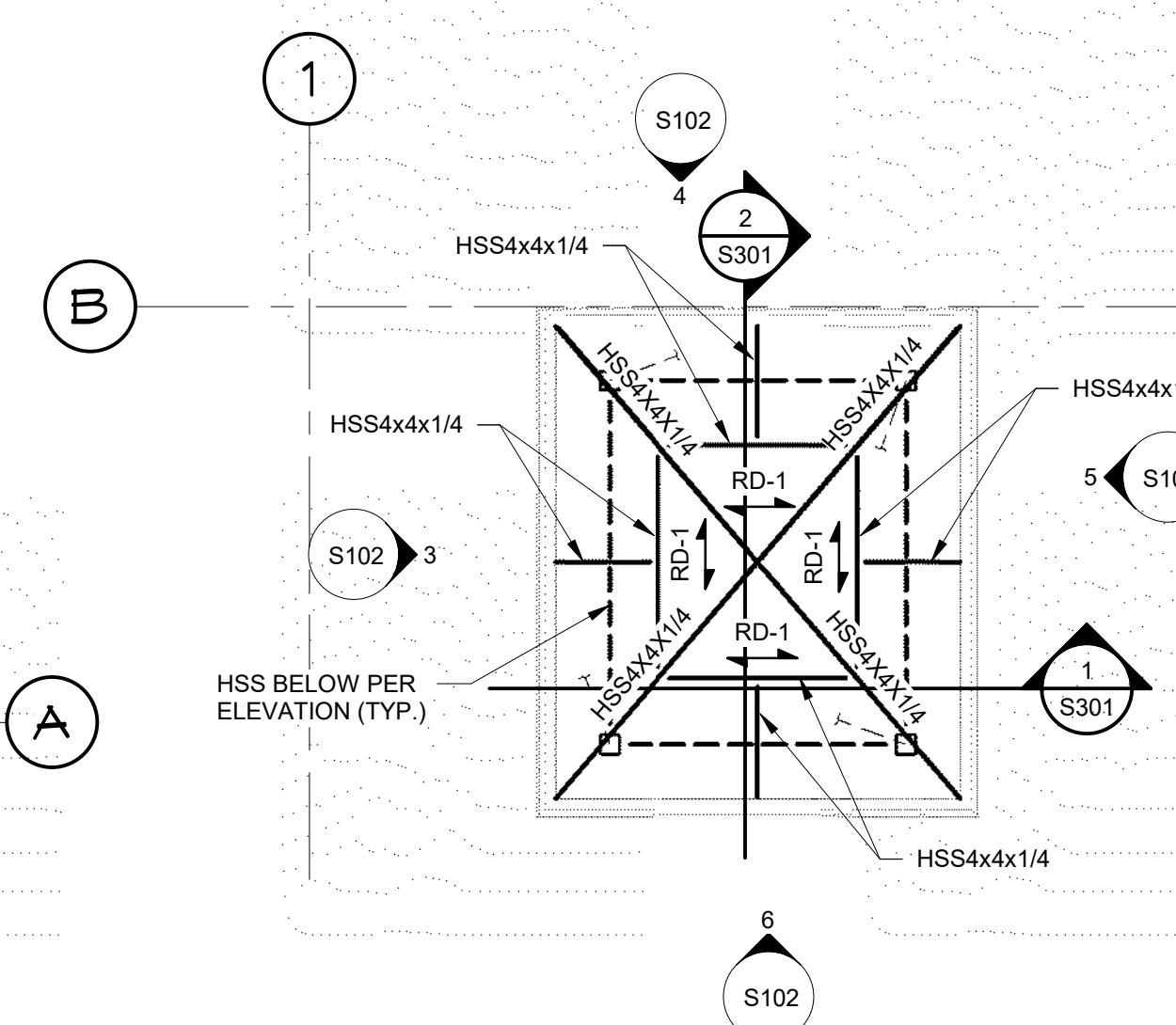
- NOTES:
1. REFER TO GENERAL NOTES ON SHEET S100.
 2. HCB INDICATES 8\"/>

NOTE: ALL TUBE STEEL FRAMING AND CONNECTIONS ASSOCIATED WITH THE BRIDGE, INCLUDING THE COLUMNS, AS WELL AS ALL STEEL FRAMING ASSOCIATED WITH THE MEZZANINE IN THE SOUTHEAST CORNER, AND ALL STEEL FRAMING ASSOCIATED WITH THE ELEVATOR TOWER WILL BE FABRICATED AND SHIPPED TO THE SITE BY THE OWNER'S REPRESENTATIVE. MATERIAL AND FABRICATION OF THESE ITEMS IS NOT IN CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING THESE ITEMS.



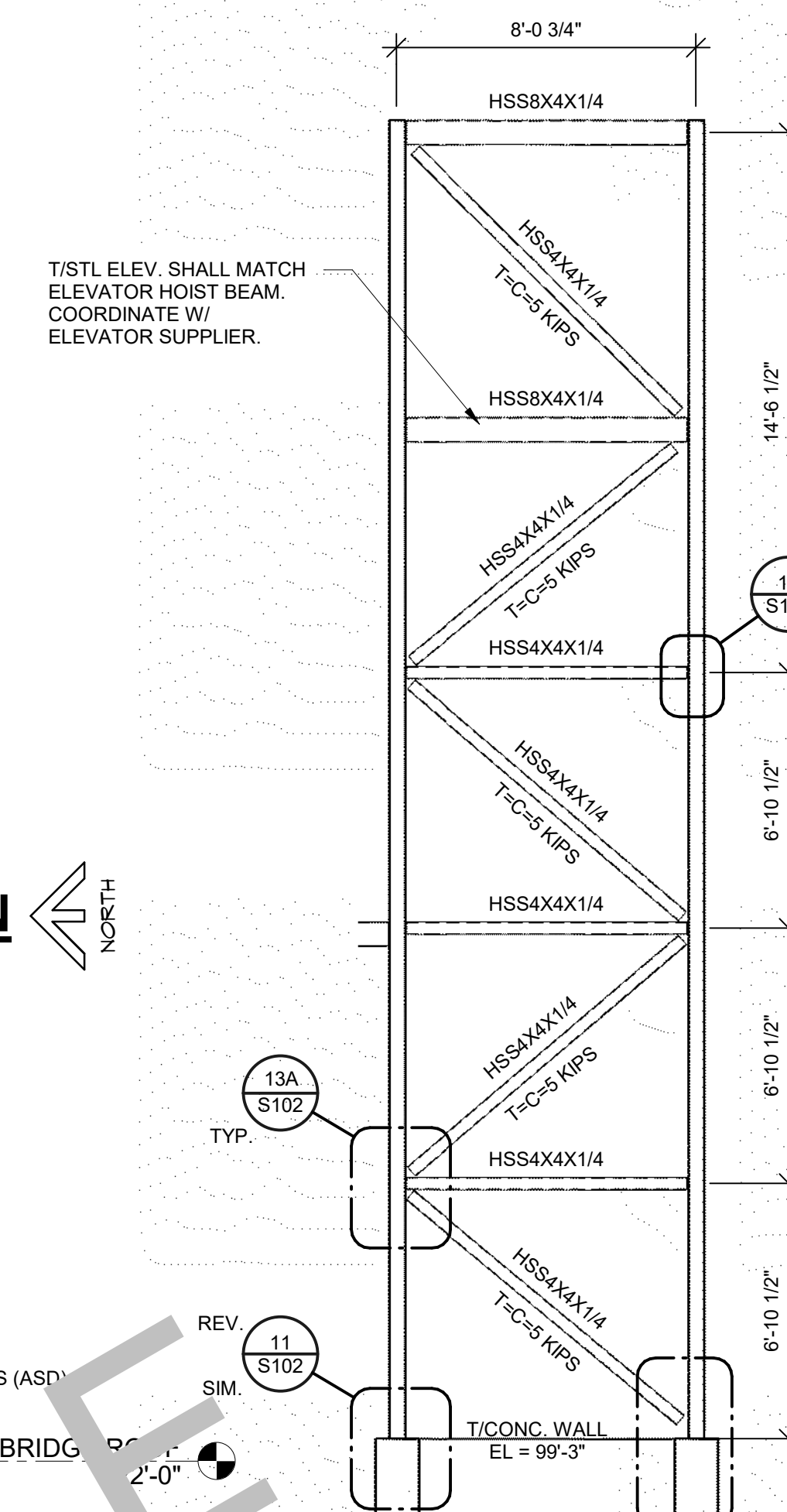
1 BRIDGE ROOF FRAMING PLAN

- 1/4" = 1'-0"
- NOTES:
1. REFER TO GENERAL NOTES ON SHEET S100.
 2. RD-1 INDICATES 1 1/2"x22ga GALV. WIDE RIB METAL ROOF DECK.
 3. *...INDICATES HSS4x4x1/4

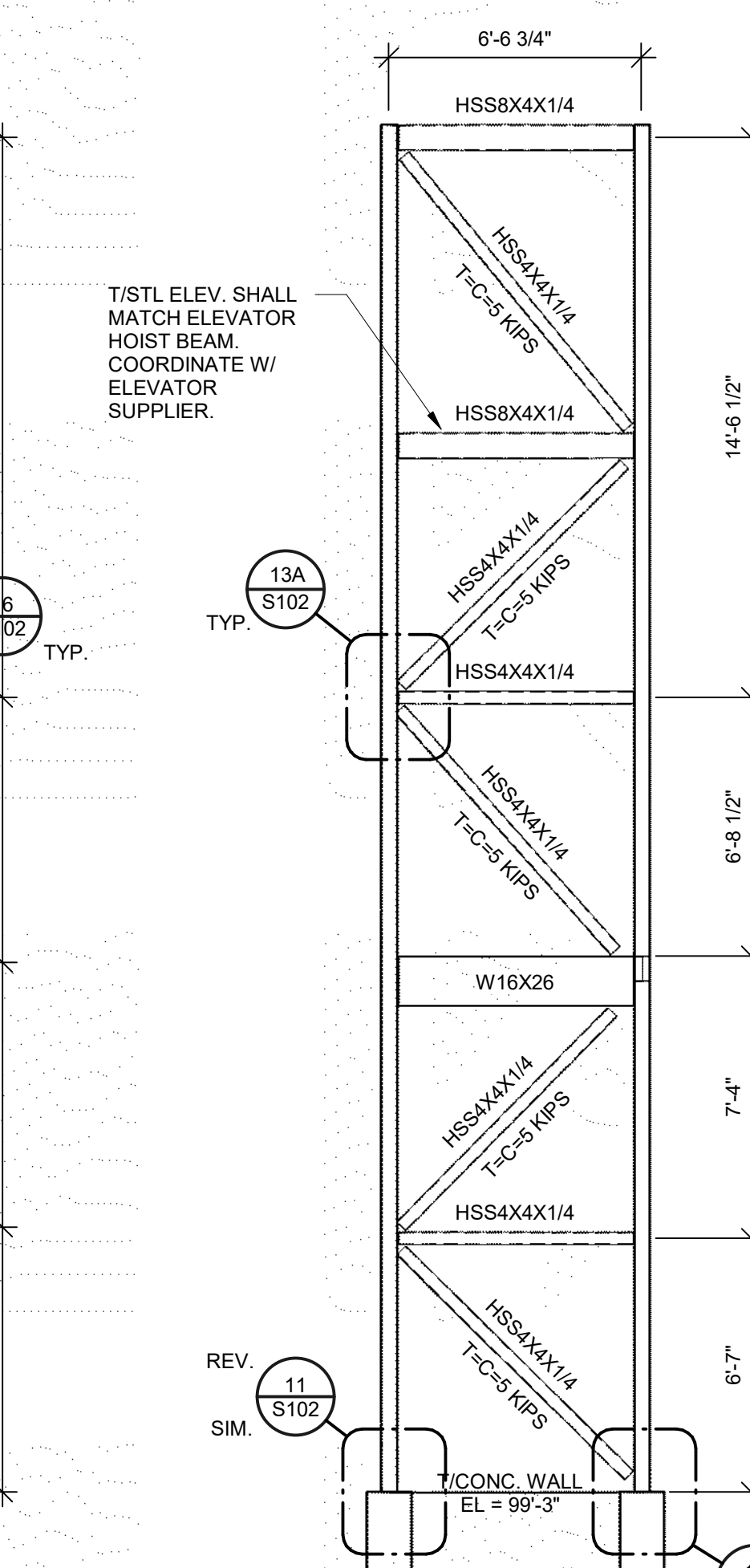


2 ELEVATOR ROOF FRAMING PLAN

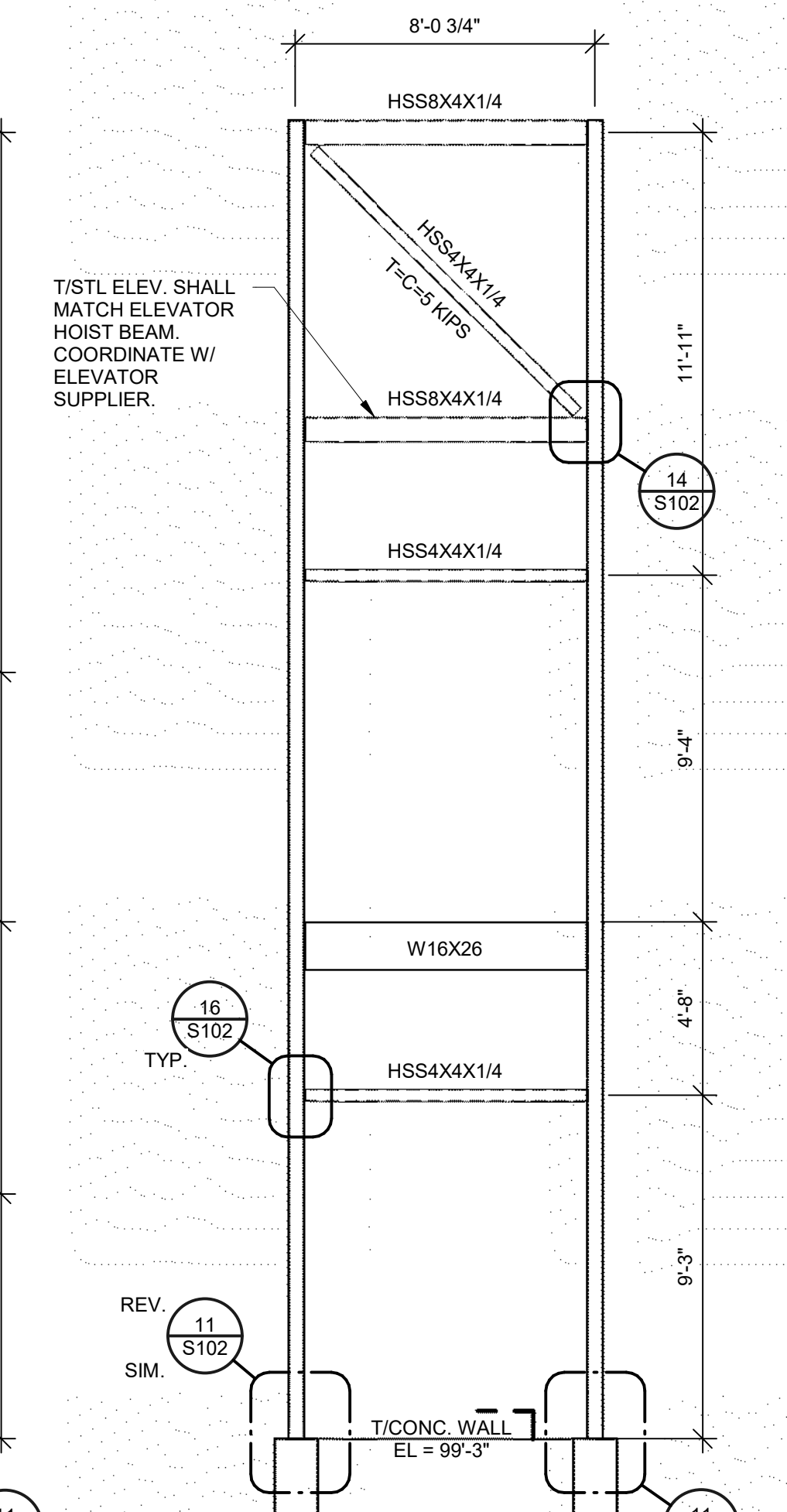
- 1/4" = 1'-0"
- NOTES:
1. REFER TO GENERAL NOTES ON SHEET S100.
 2. RD-1 INDICATES 1 1/2"x22ga GALV. WIDE RIB METAL ROOF DECK.



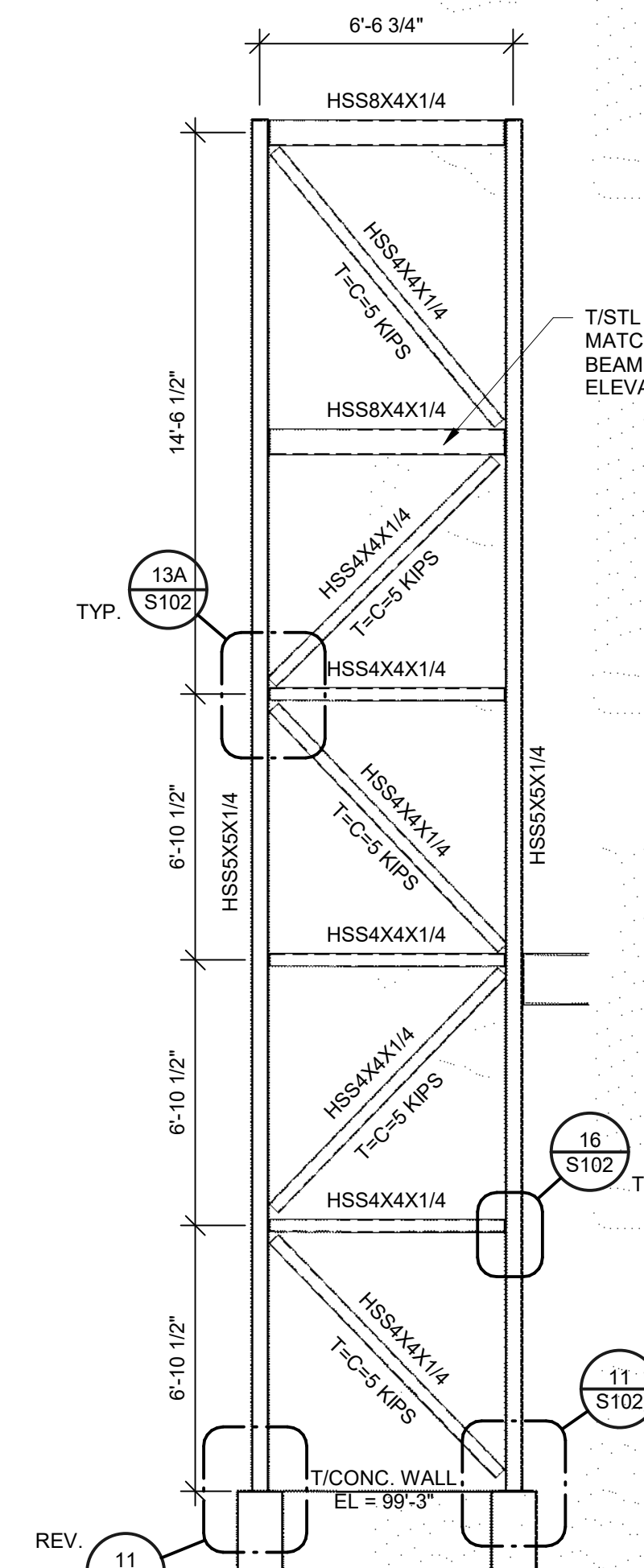
3 ELEVATION



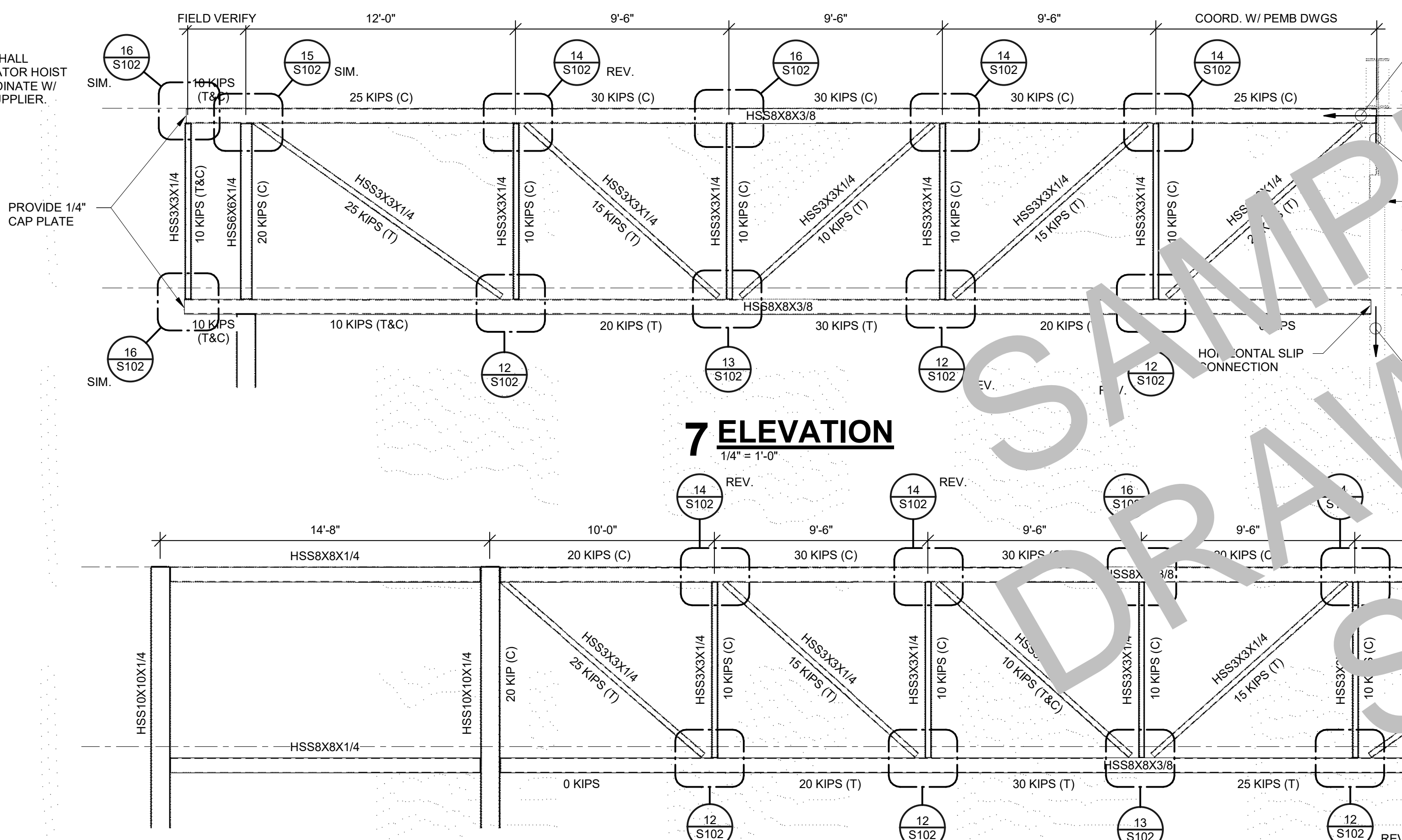
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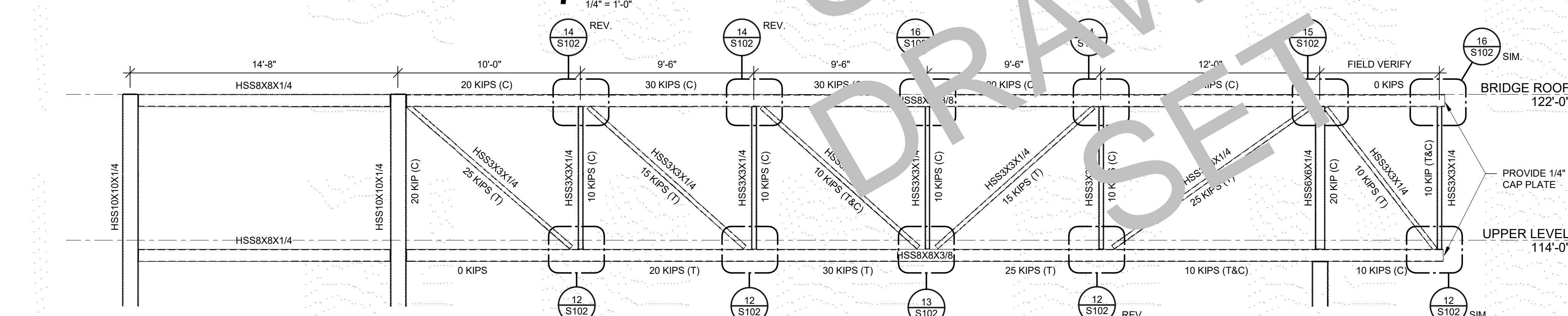
5 ELEVATION



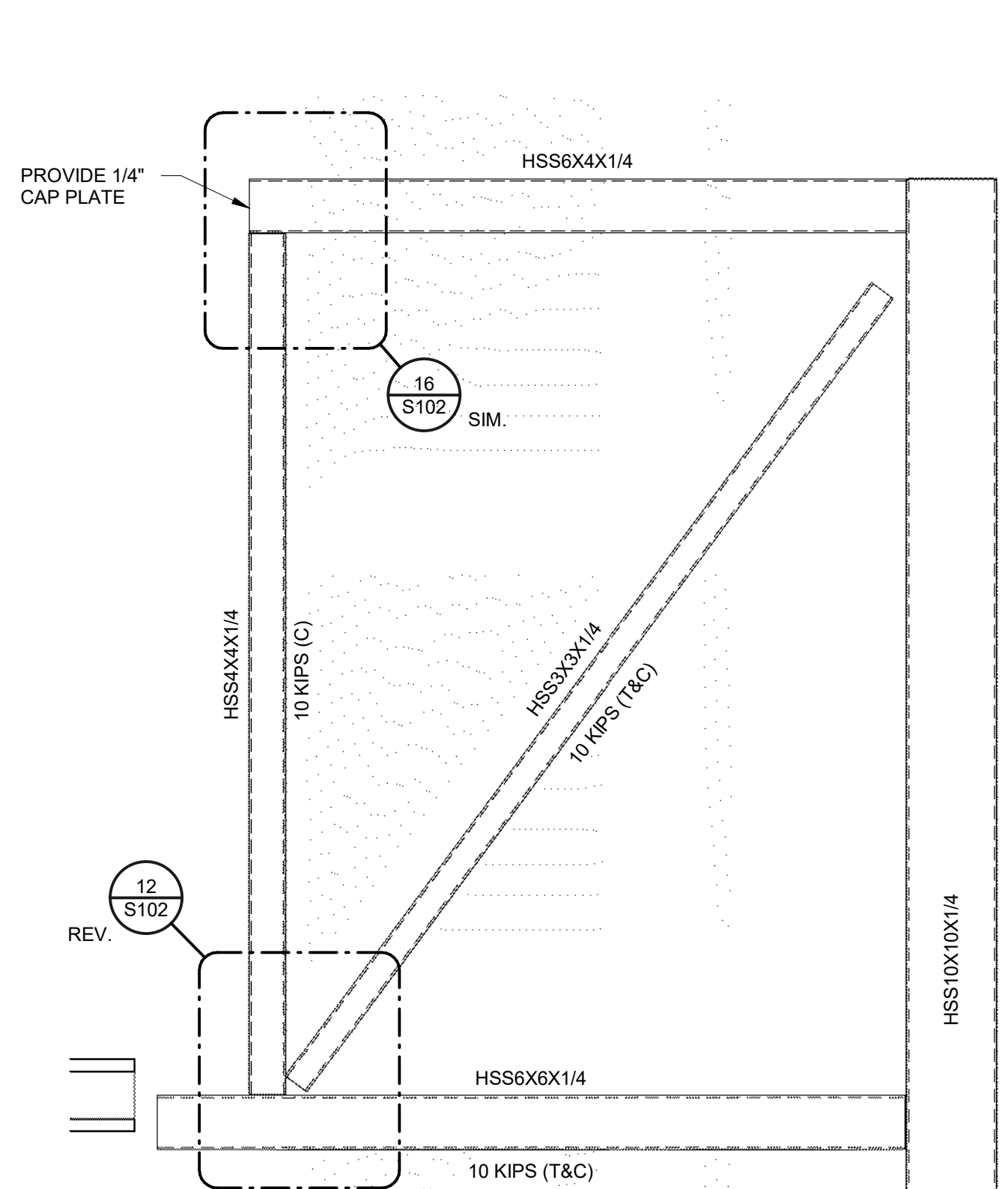
6 ELEVATION



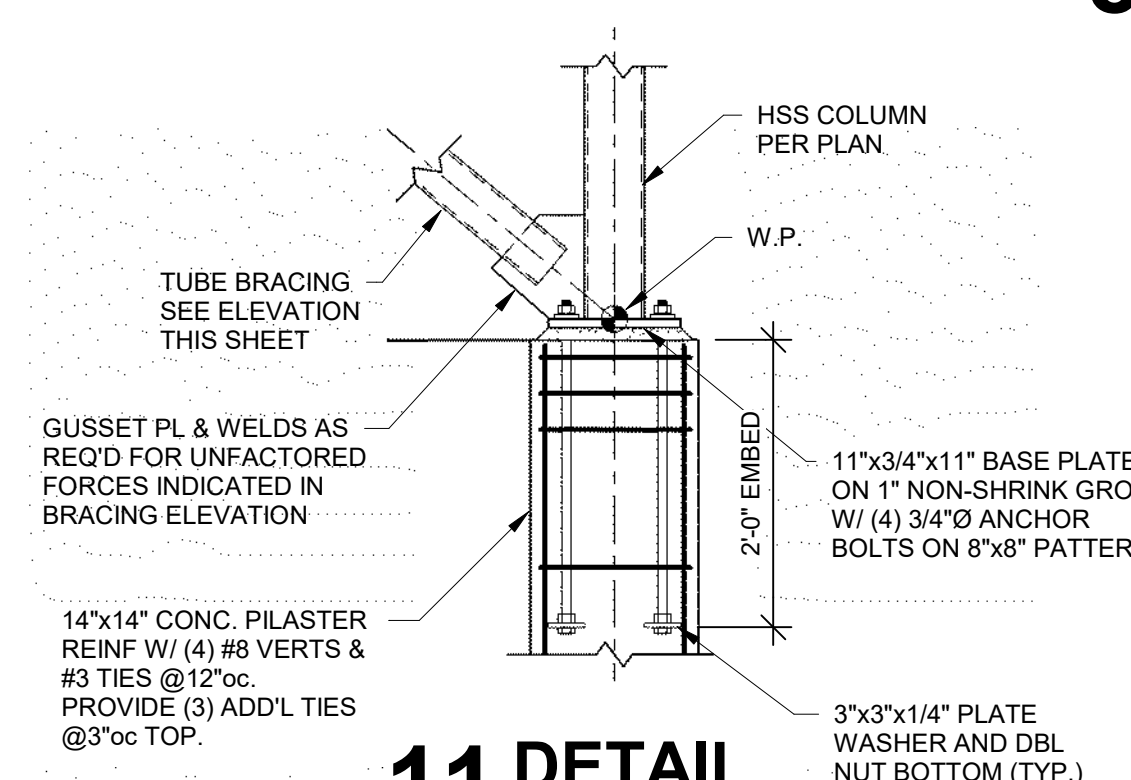
7 ELEVATION



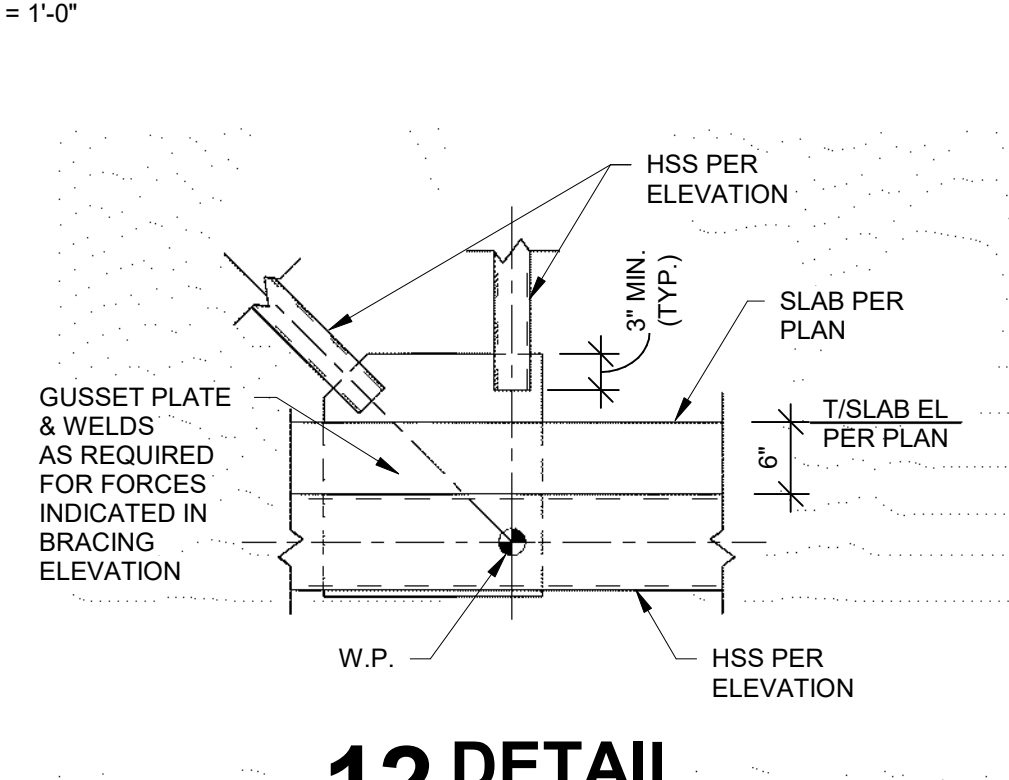
8 ELEVATION



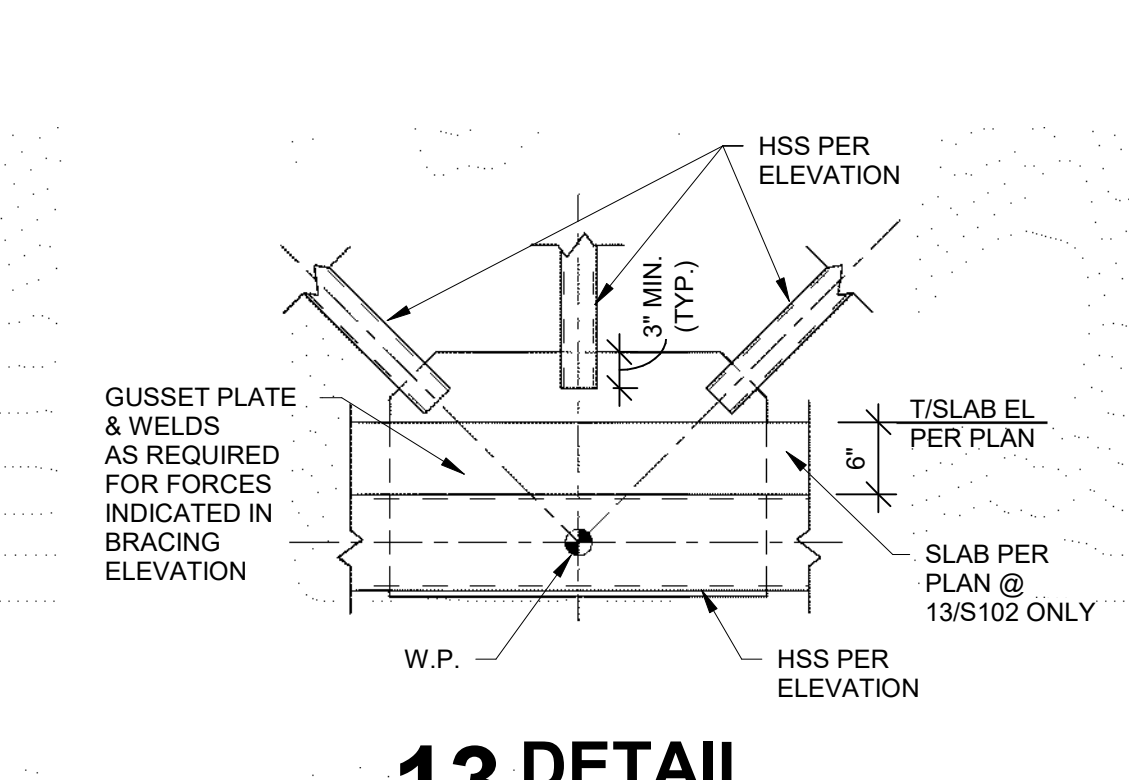
9 ELEVATION



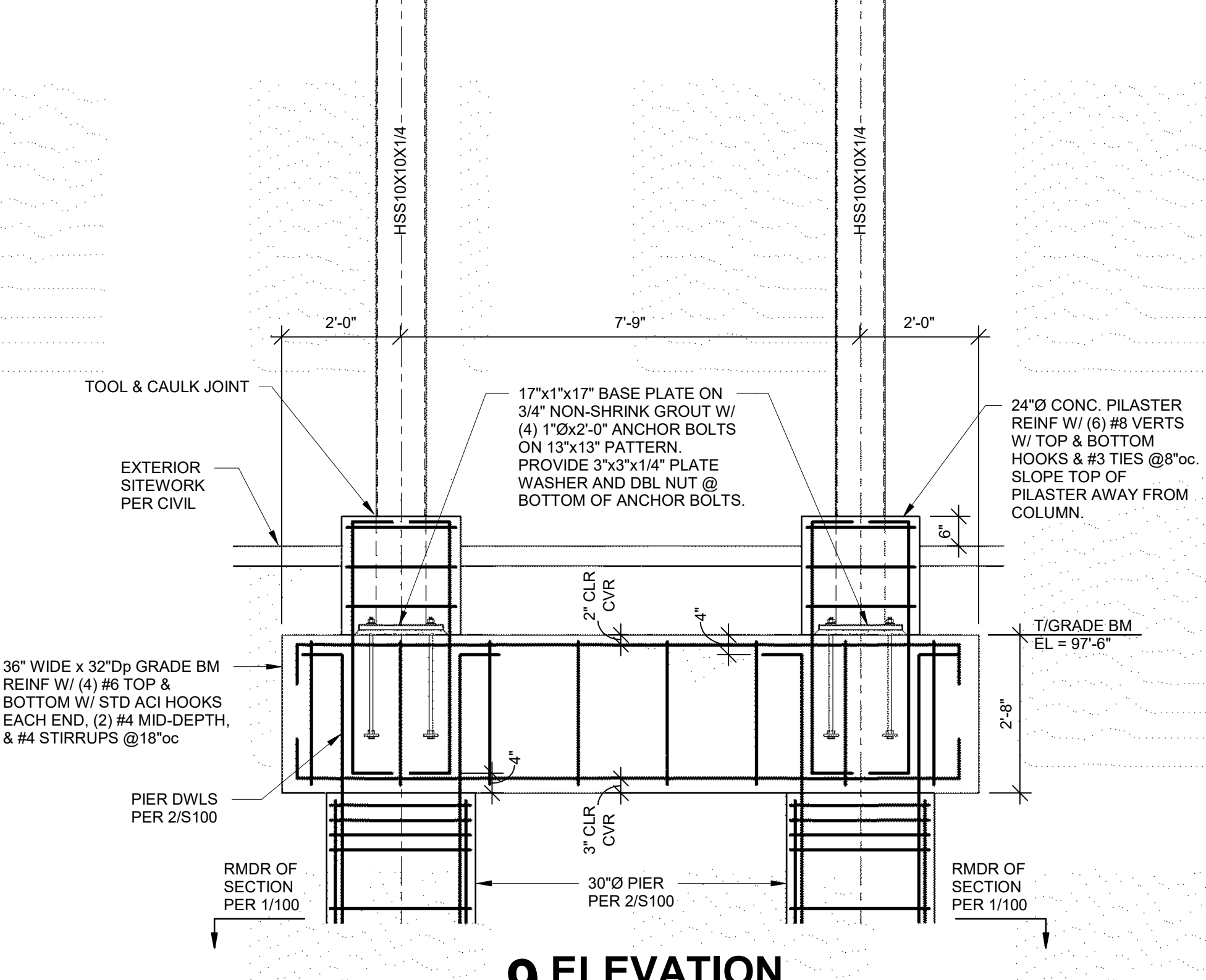
10 ELEVATION



11 DETAIL

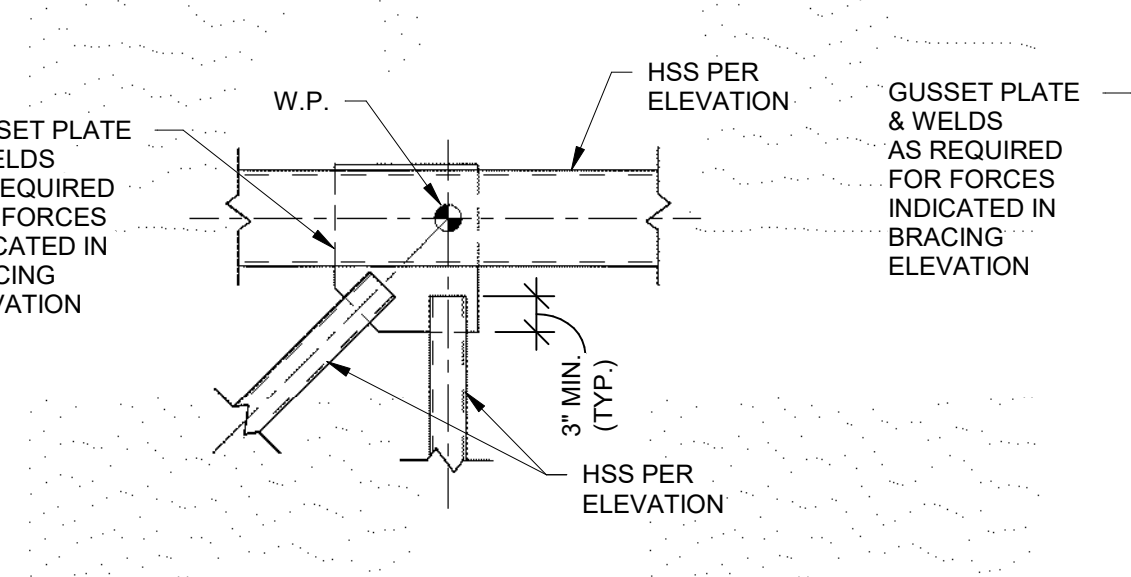


12 DETAIL

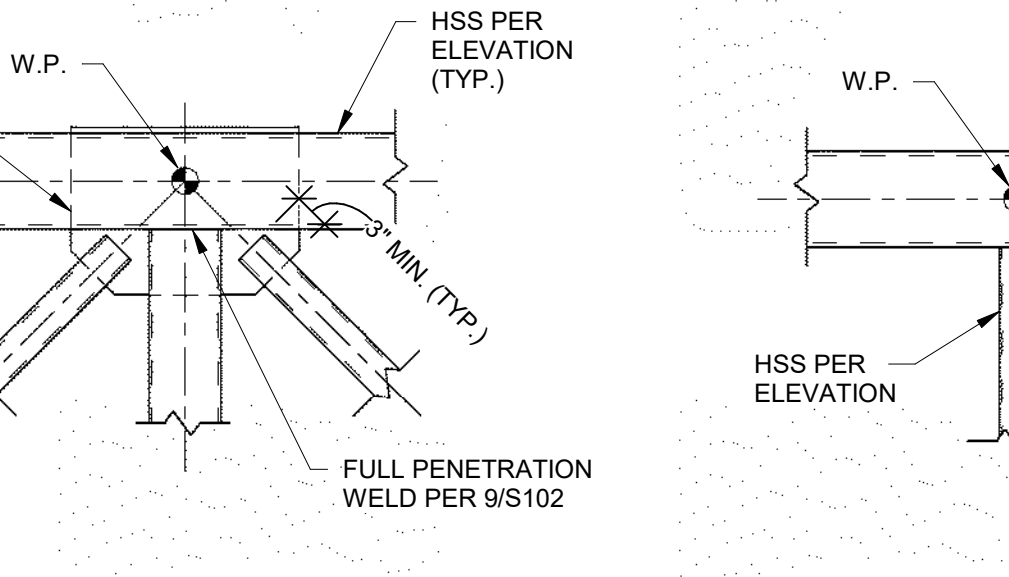


13 DETAIL

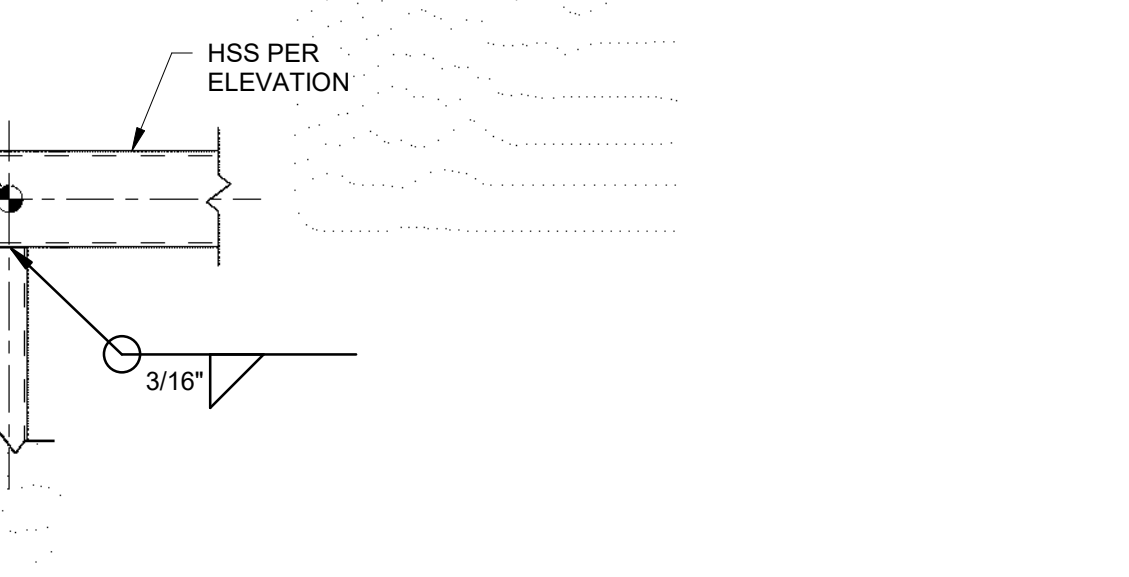
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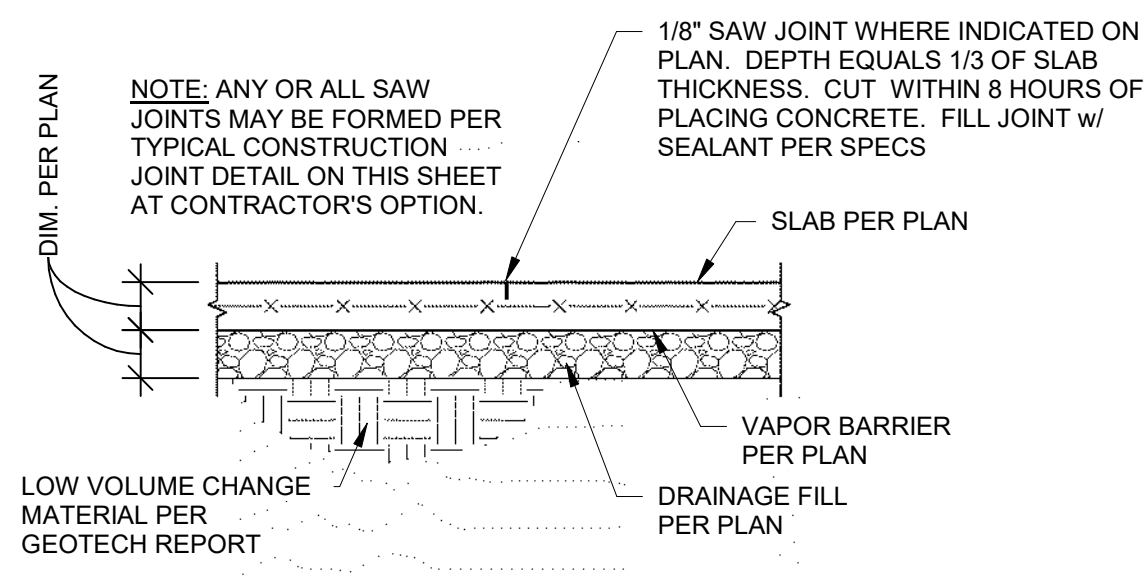
14 DETAIL



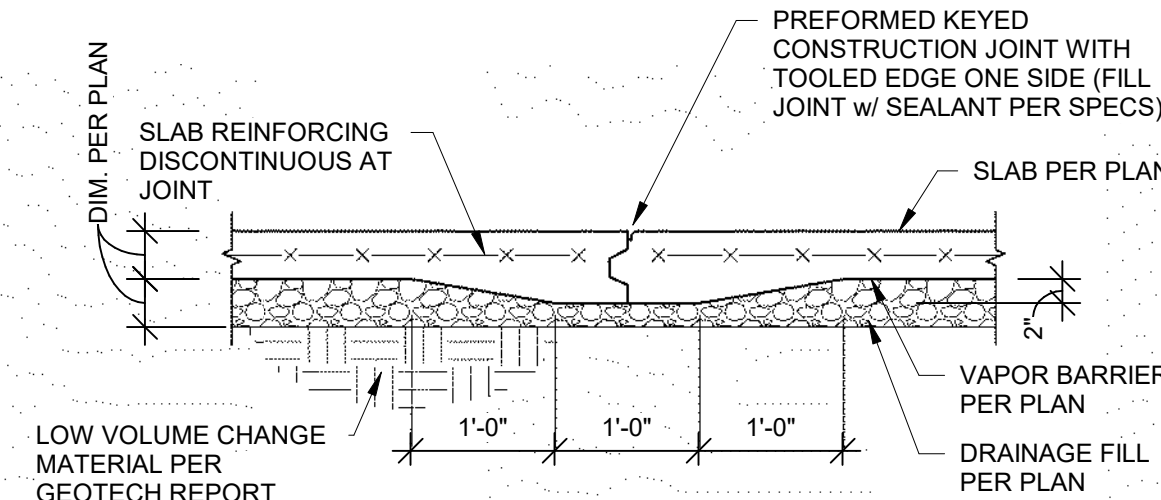
15 DETAIL



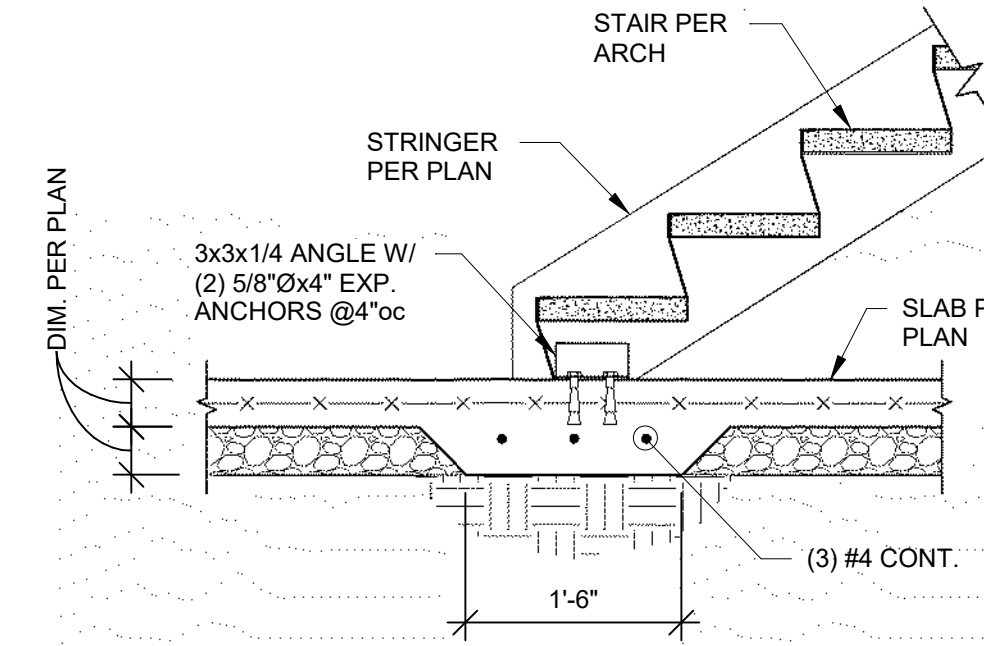
16 DETAIL



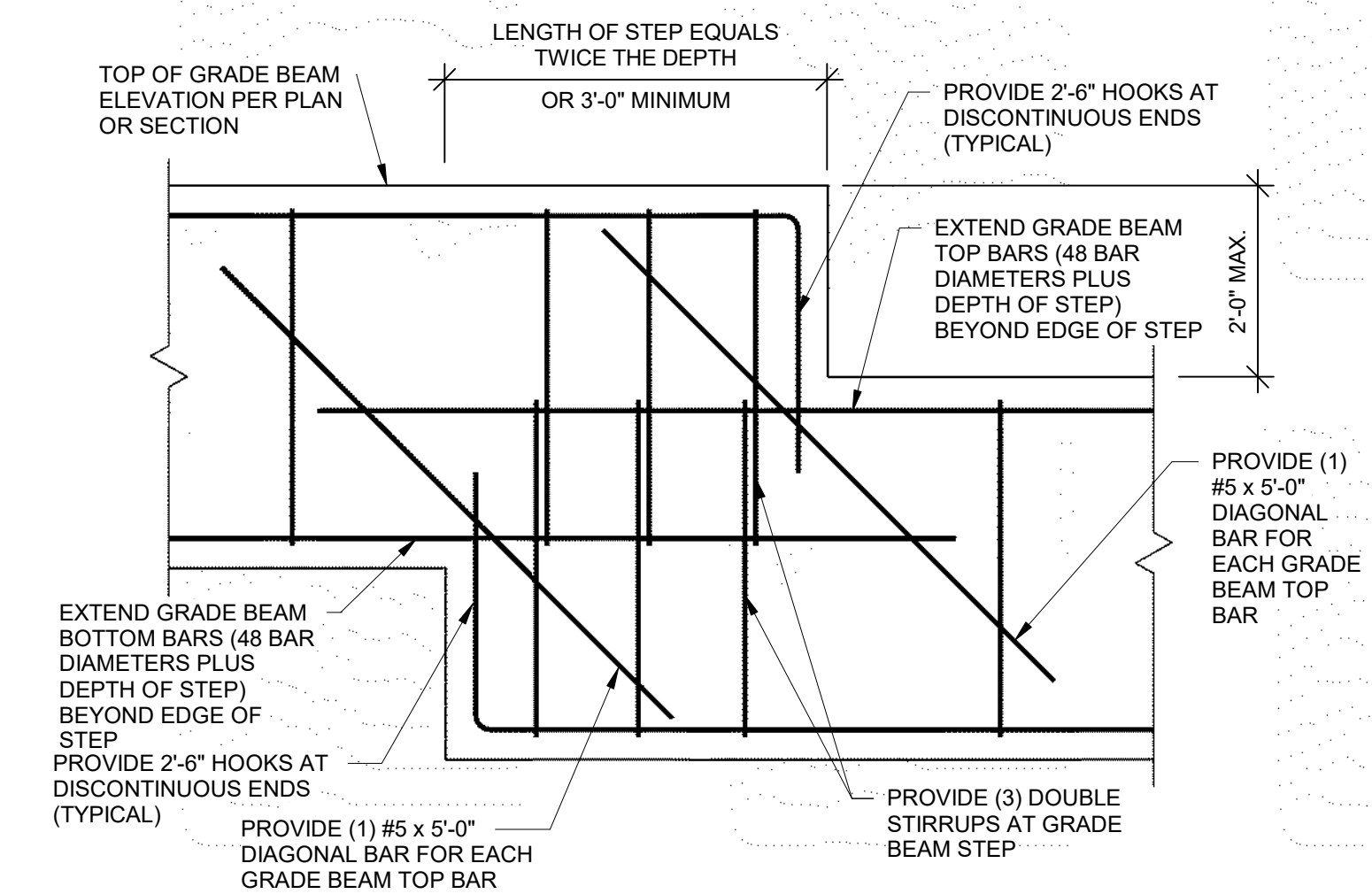
TYPICAL SAW JOINT
NOTED "SJ" ON PLAN
1 SECTION
3/4" = 1'-0"



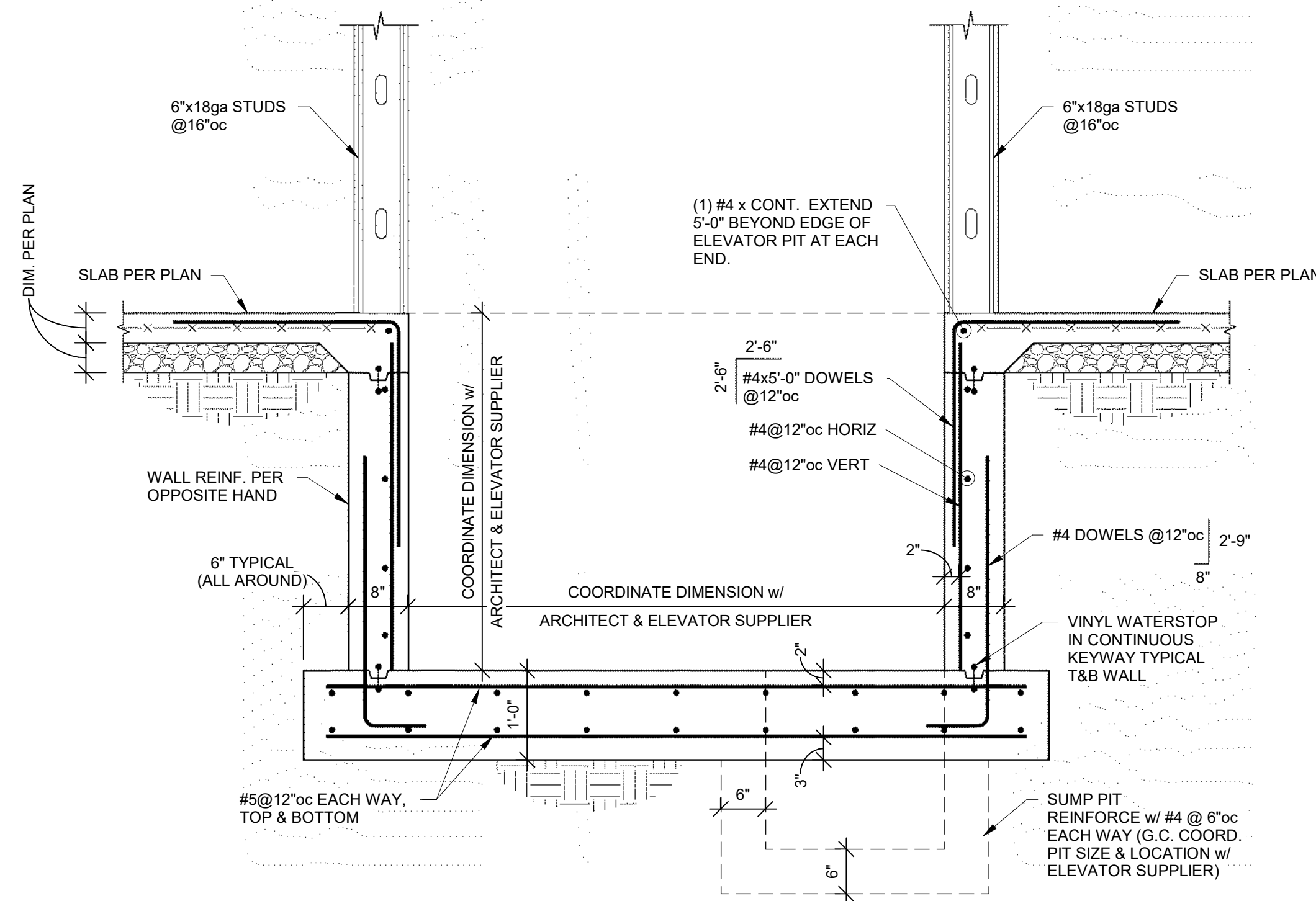
TYPICAL CONSTRUCTION JOINT
NOTED "CJ" ON PLAN
2 SECTION
3/4" = 1'-0"



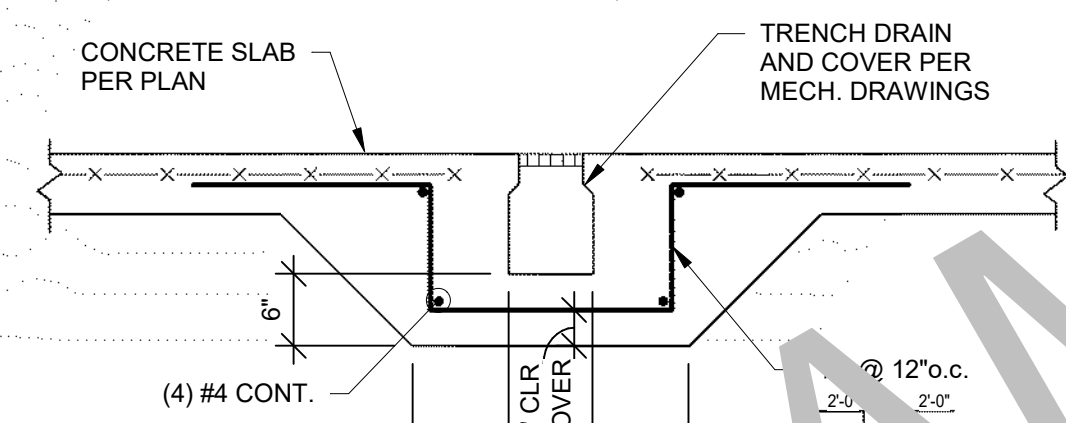
TYPICAL THICKENED SLAB AT BASE OF STAIR
3 SECTION
3/4" = 1'-0"



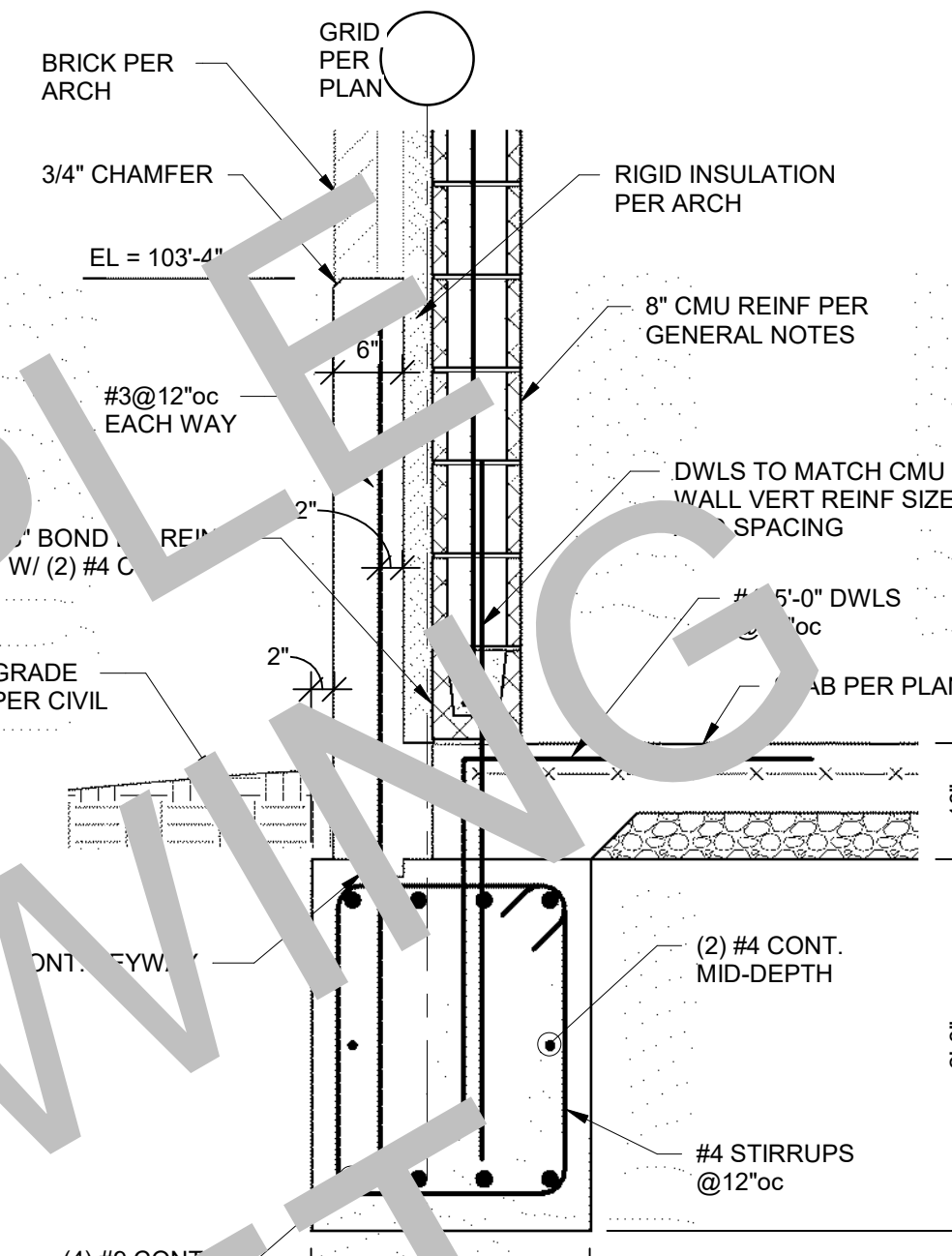
4 TYPICAL GRADE BEAM STEP
3/4" = 1'-0"



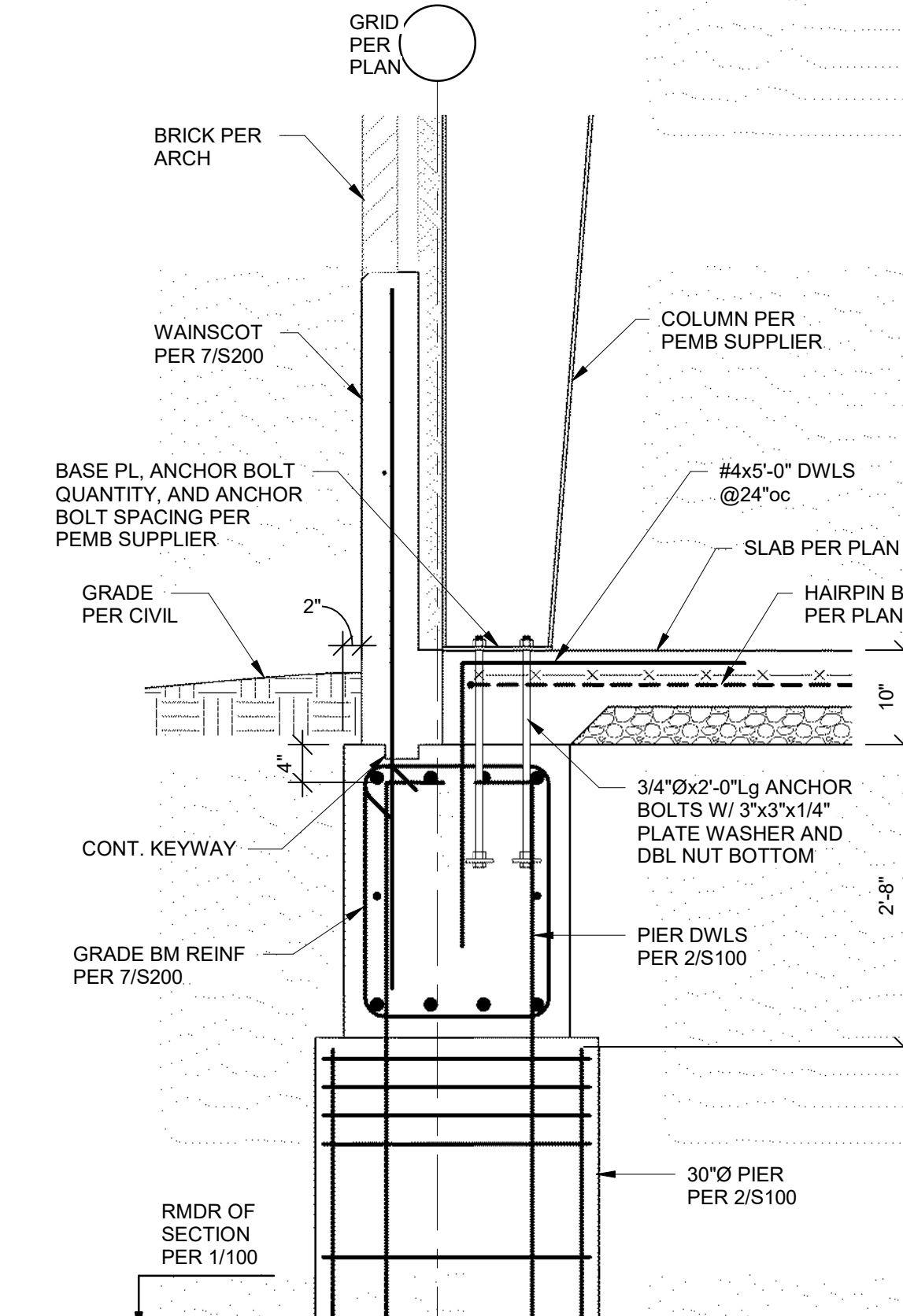
5 SECTION
3/4" = 1'-0"



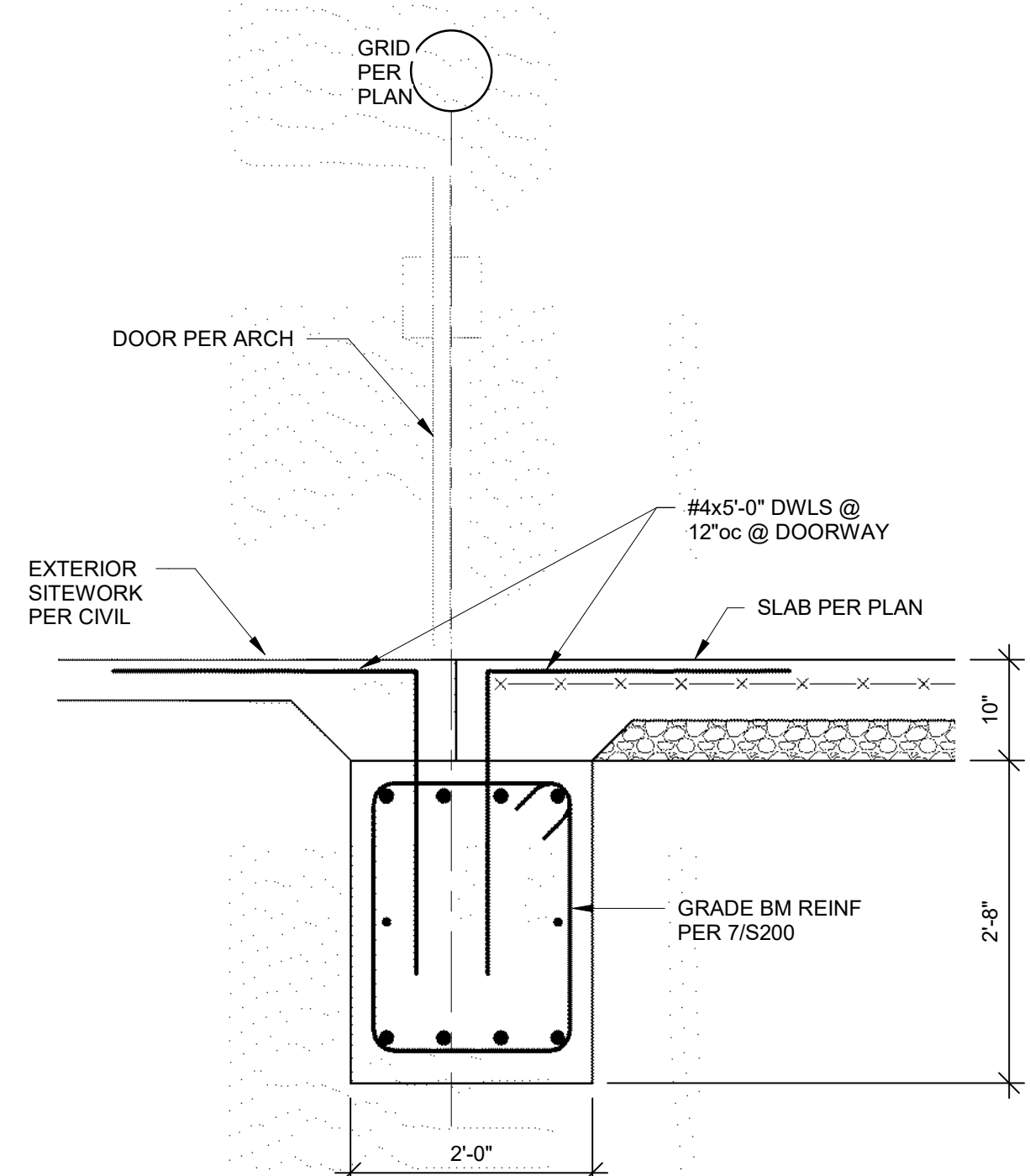
TYPICAL TRENCH DRAIN
6 SECTION
3/4" = 1'-0"



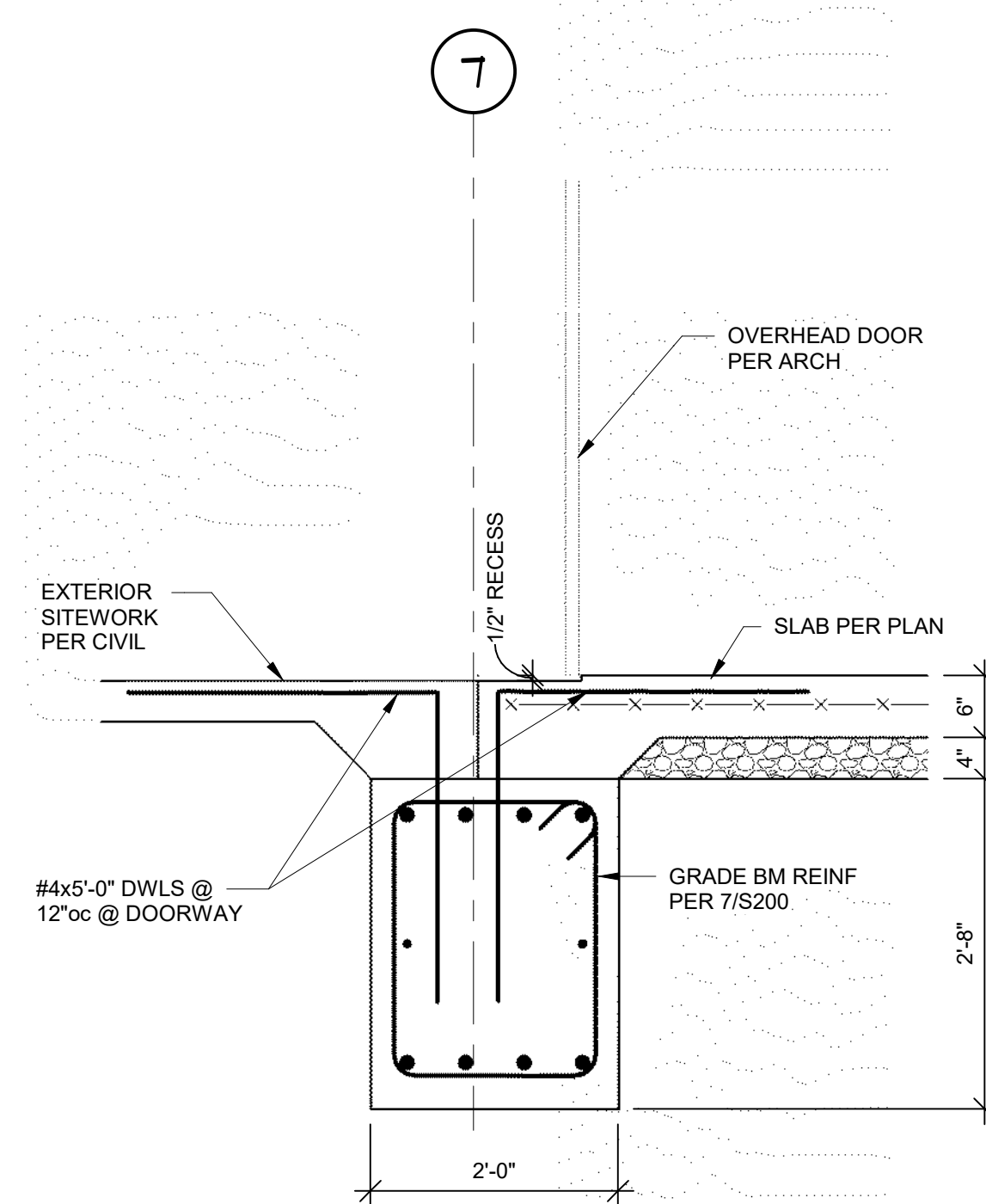
7 SECTION
3/4" = 1'-0"



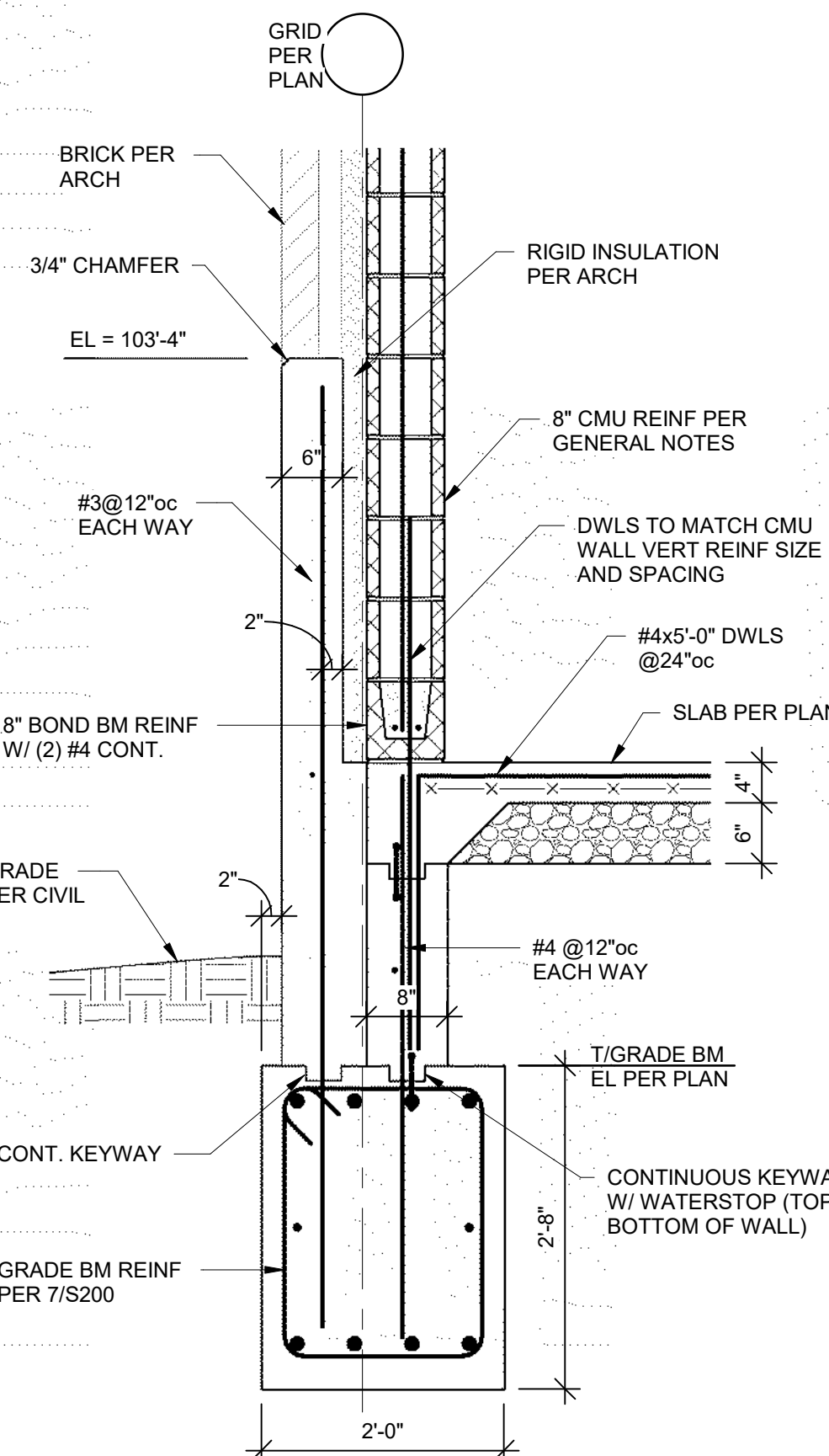
8 SECTION
3/4" = 1'-0"



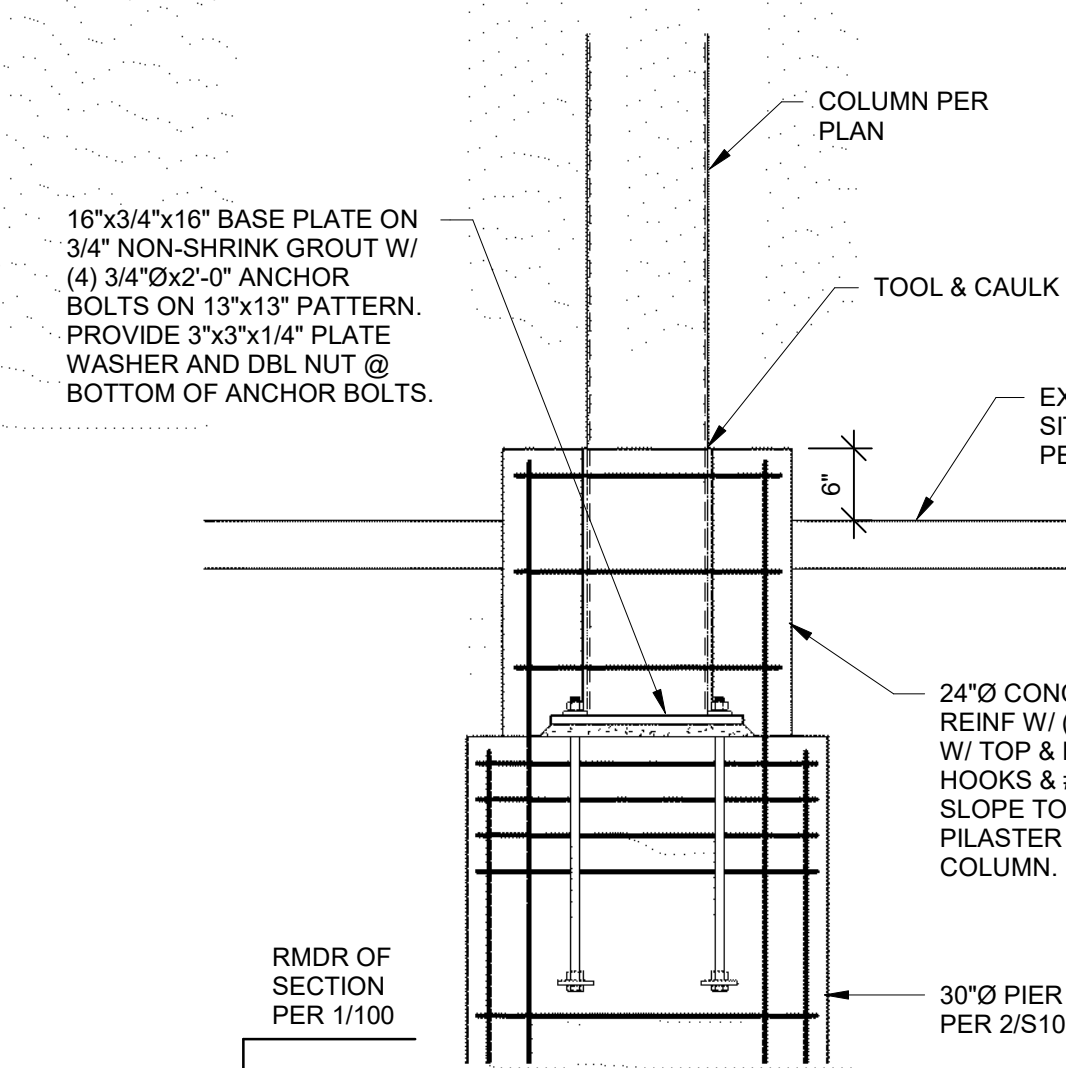
9 SECTION
3/4" = 1'-0"



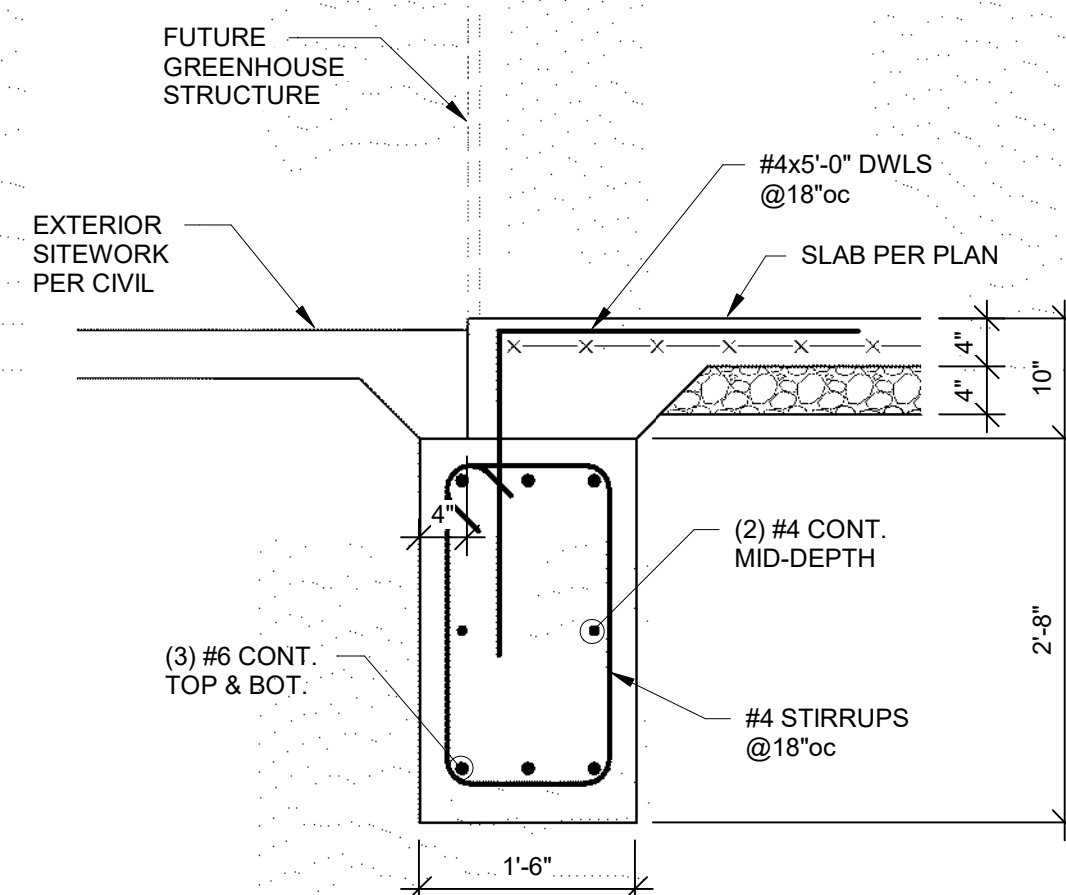
10 SECTION
3/4" = 1'-0"



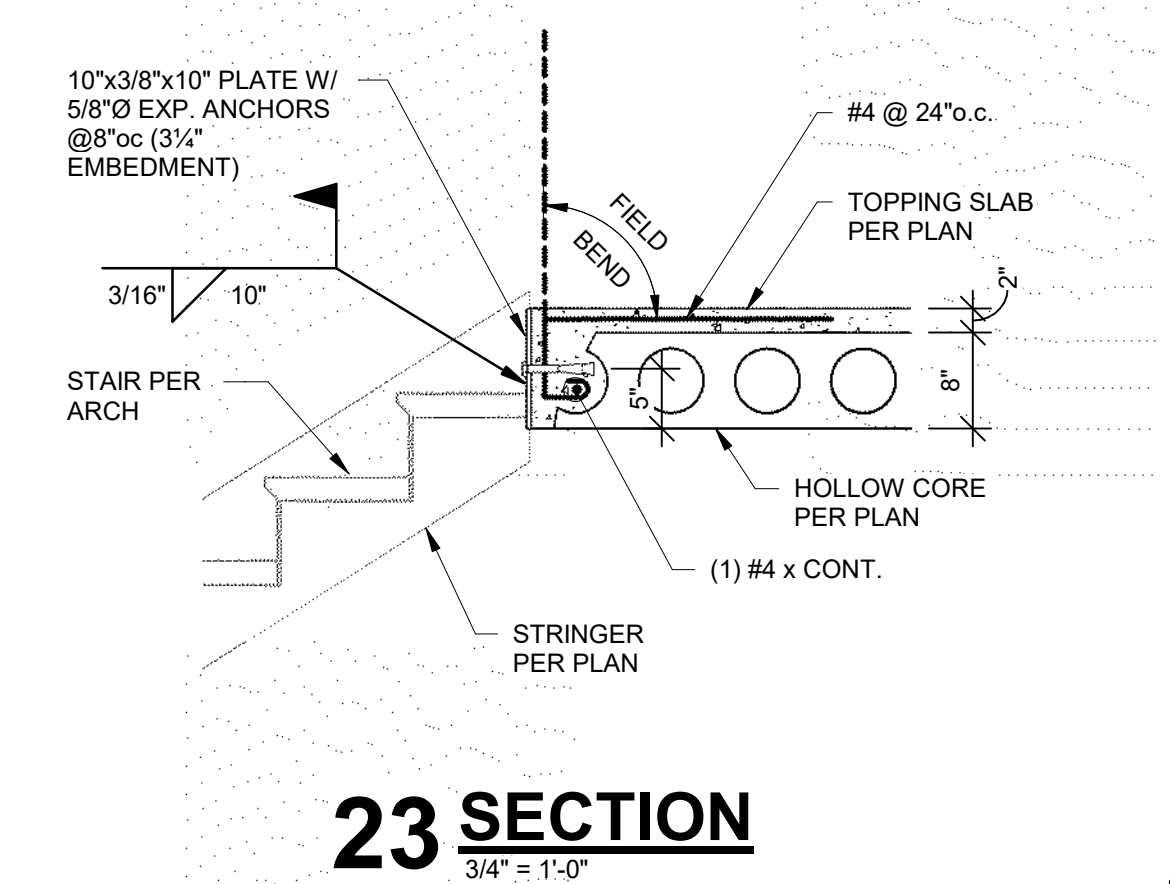
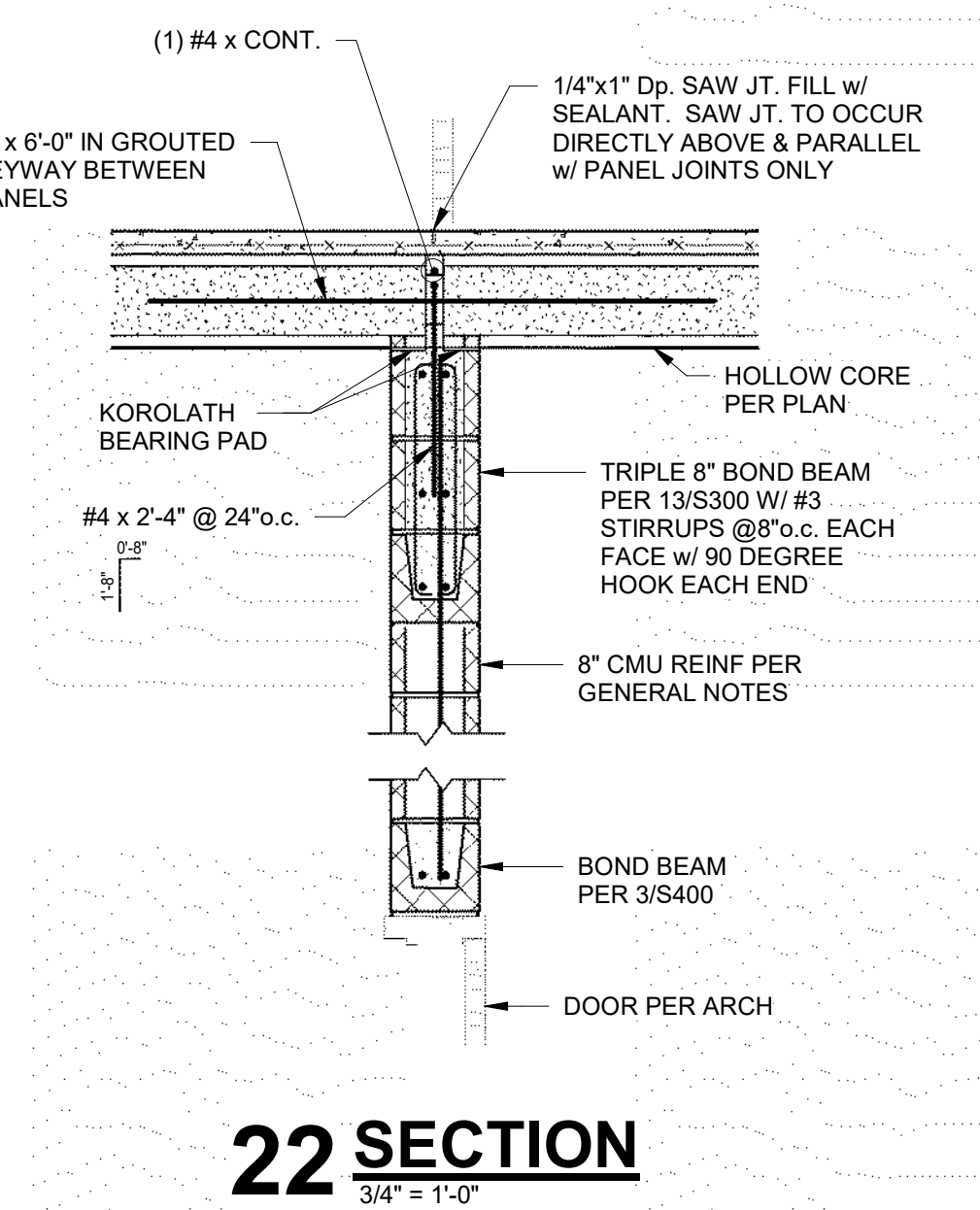
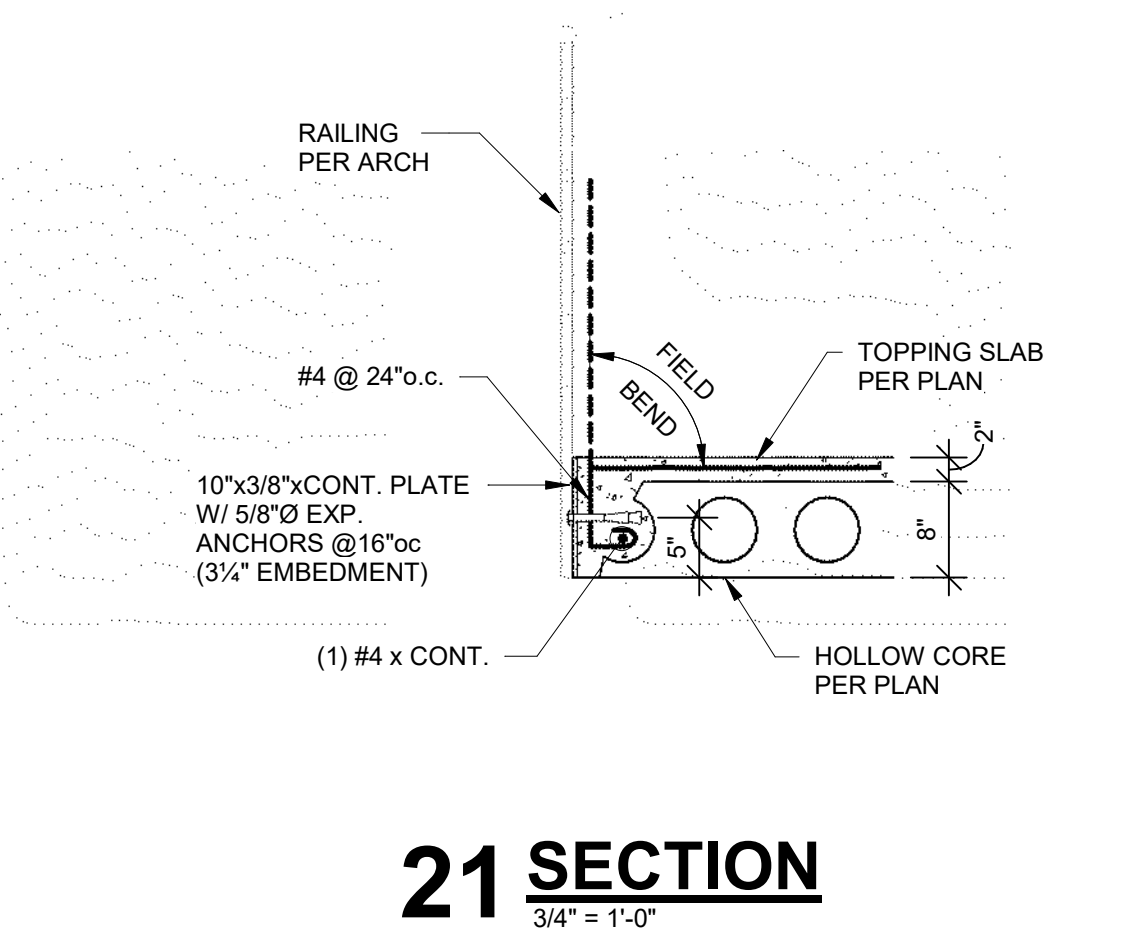
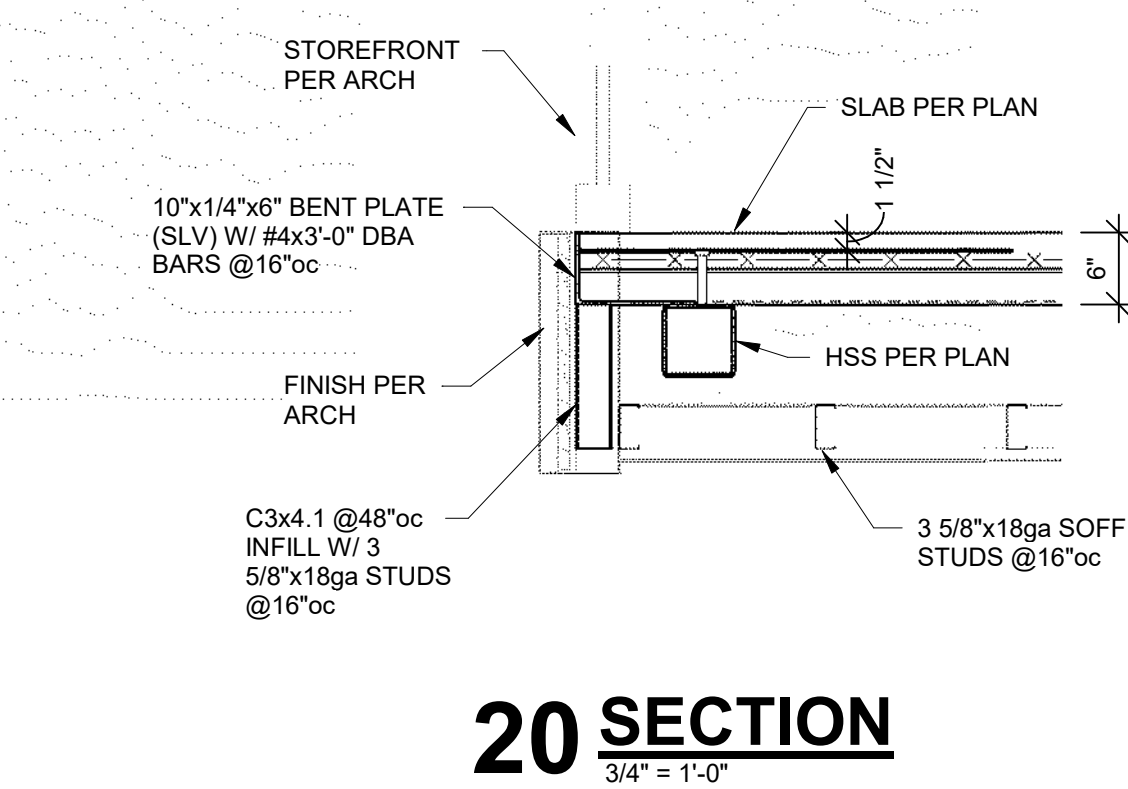
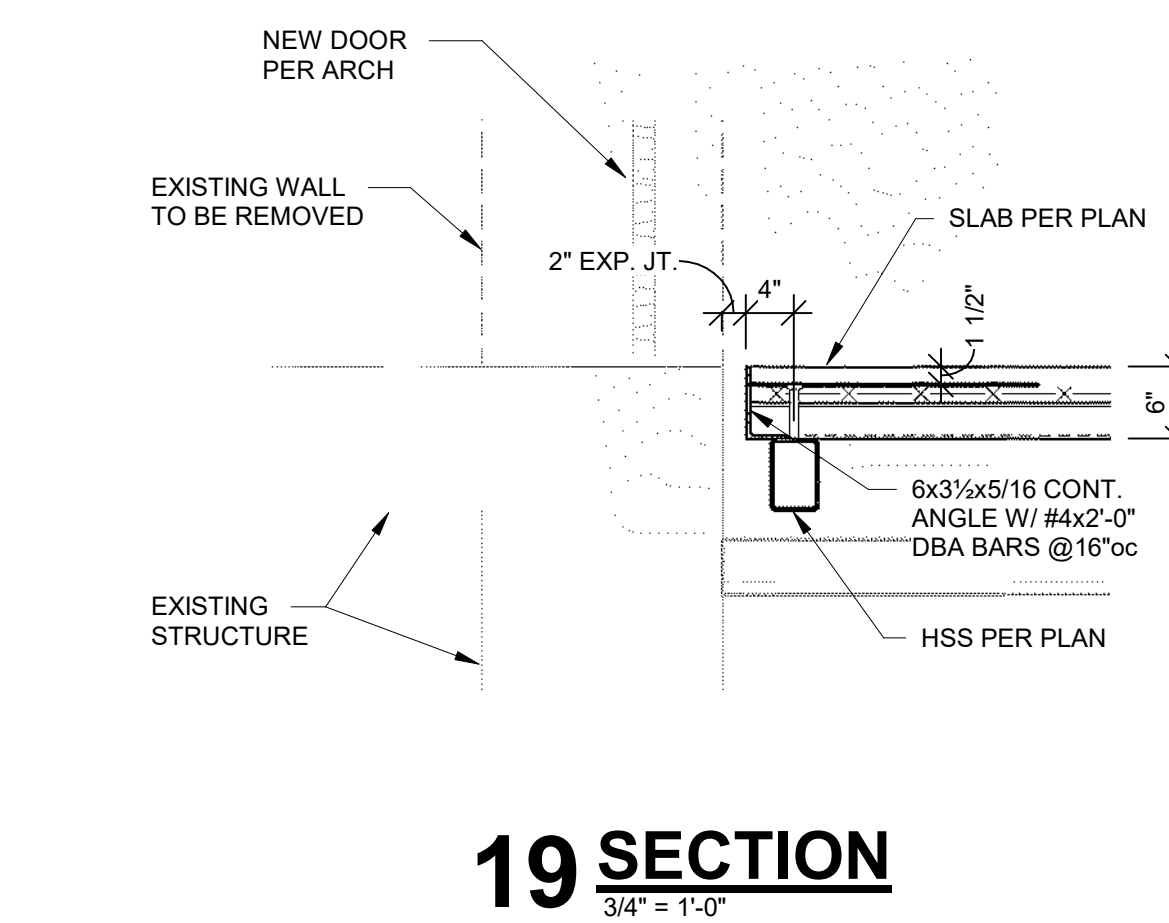
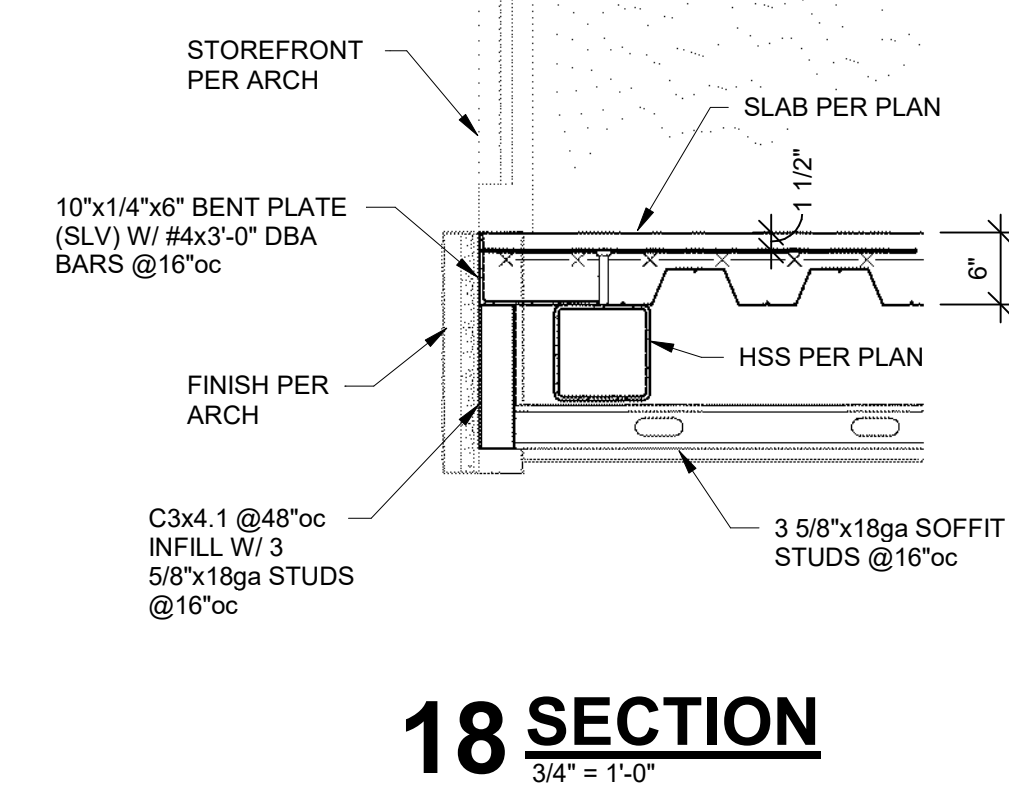
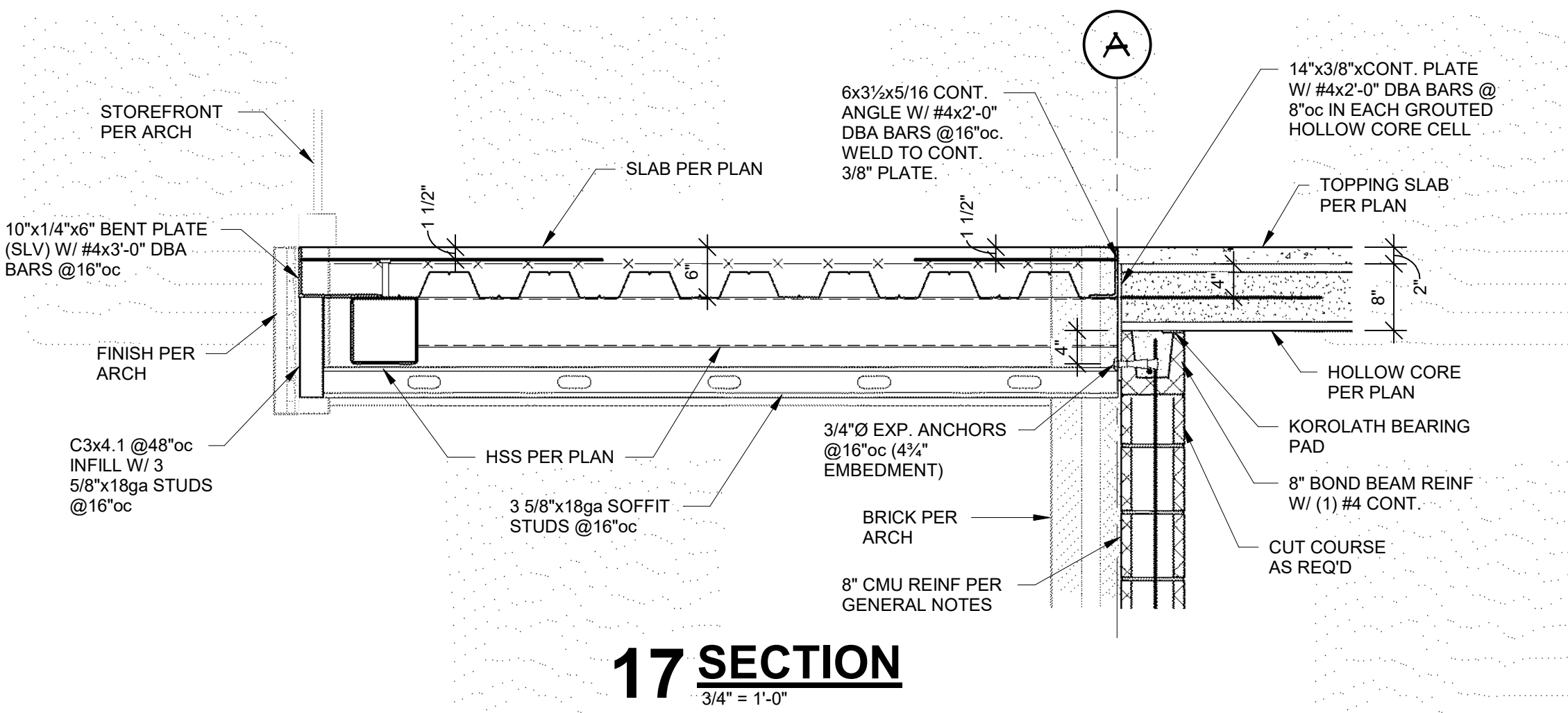
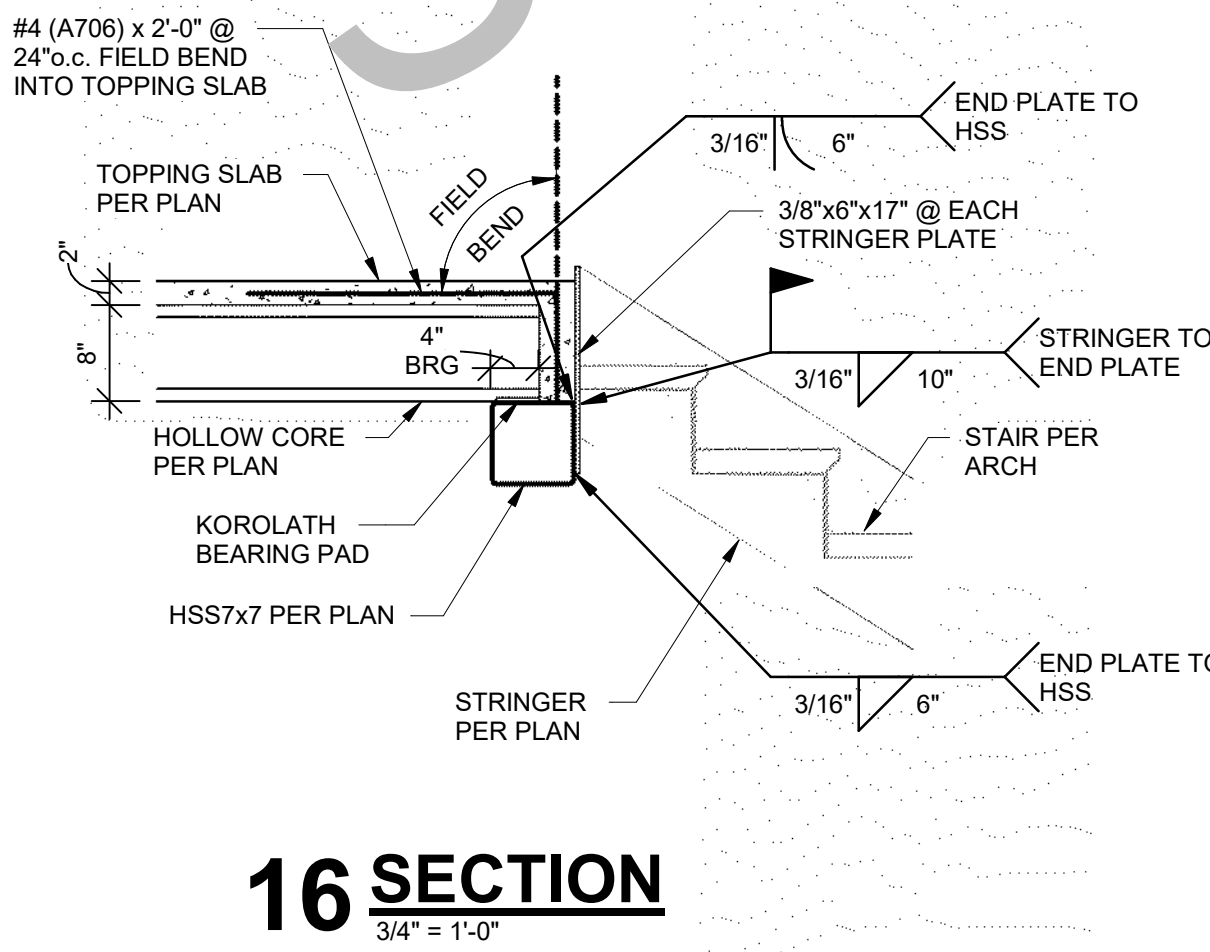
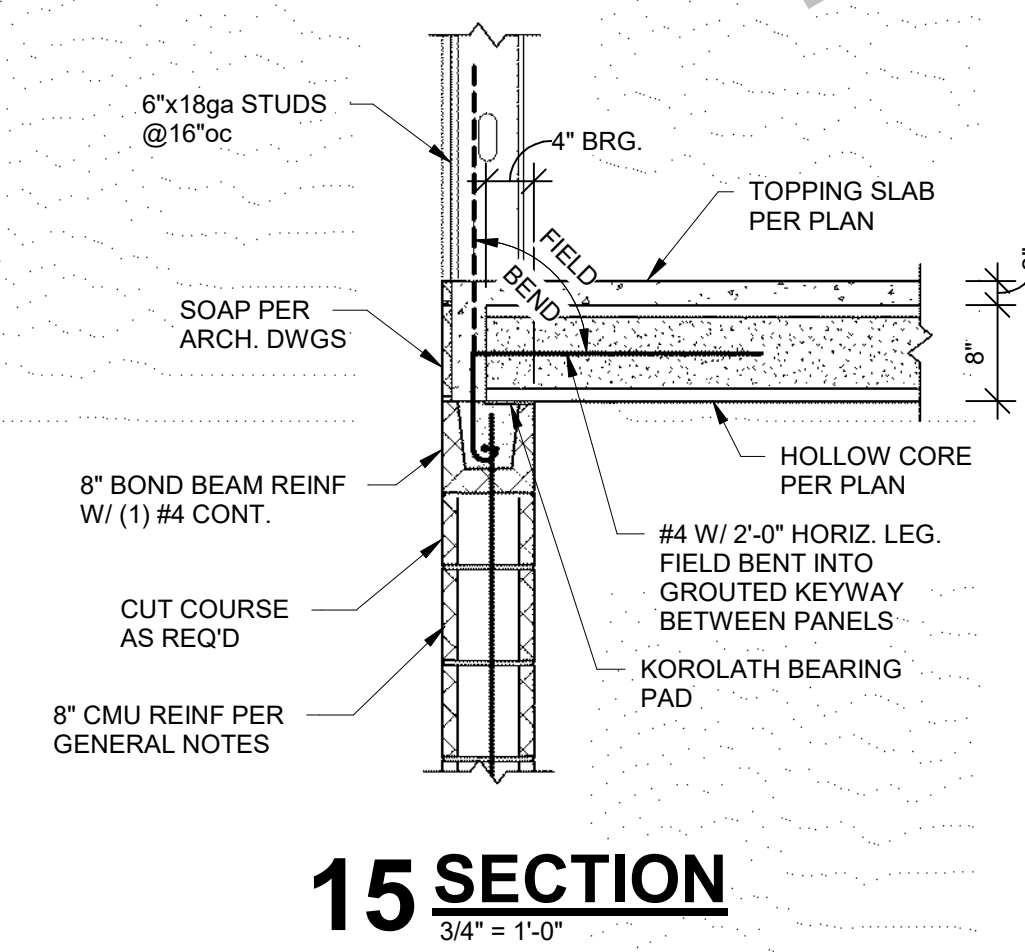
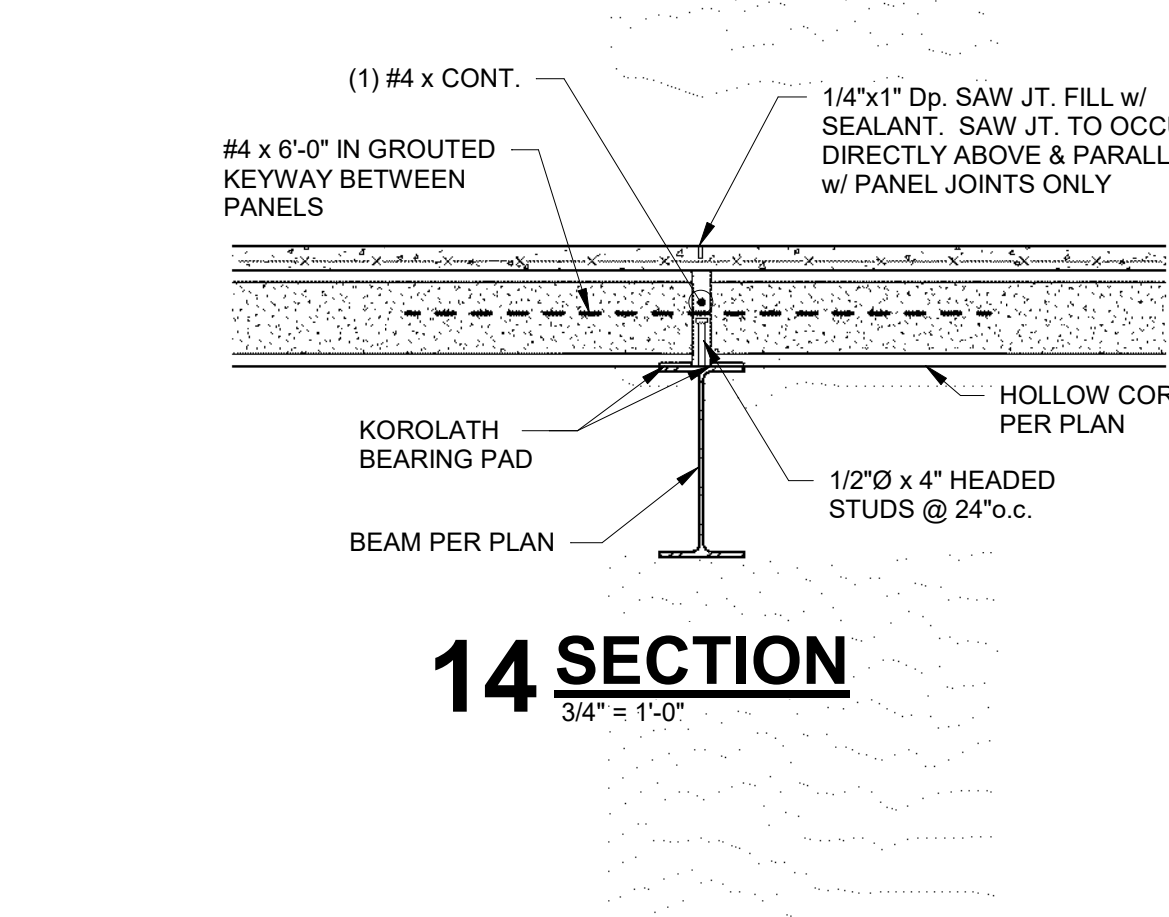
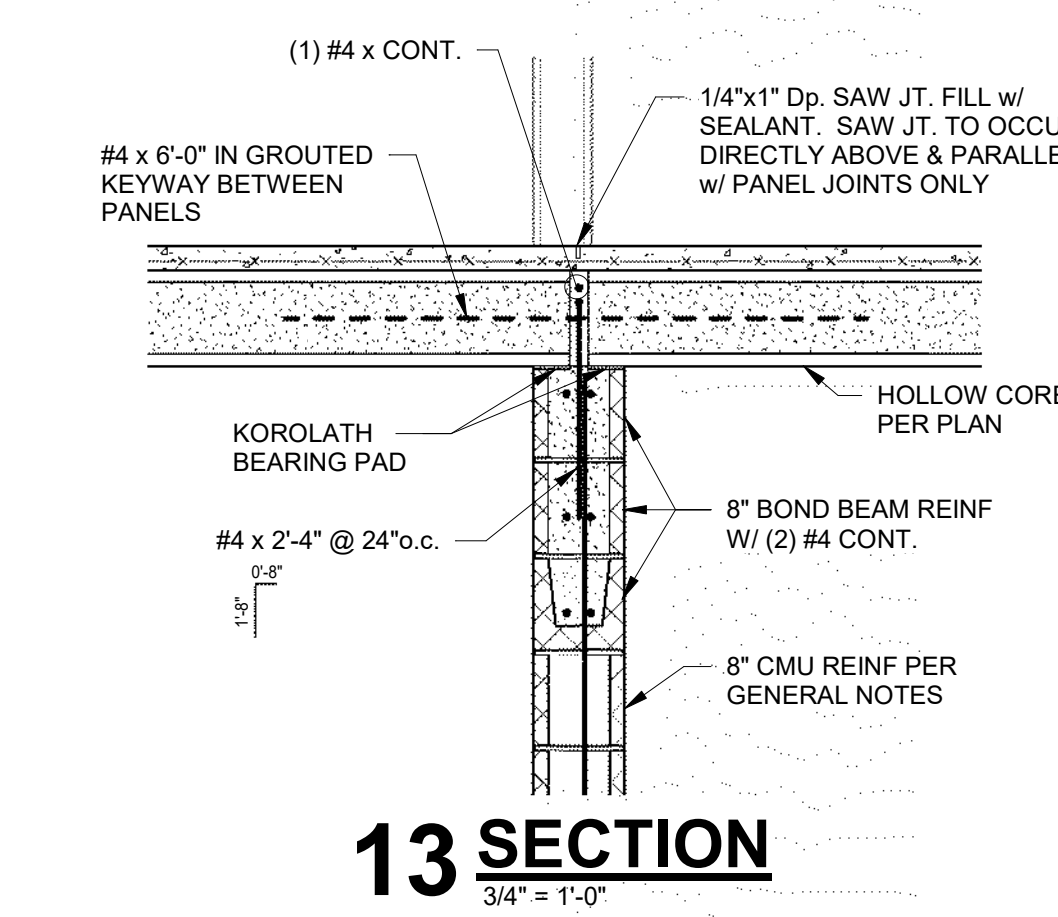
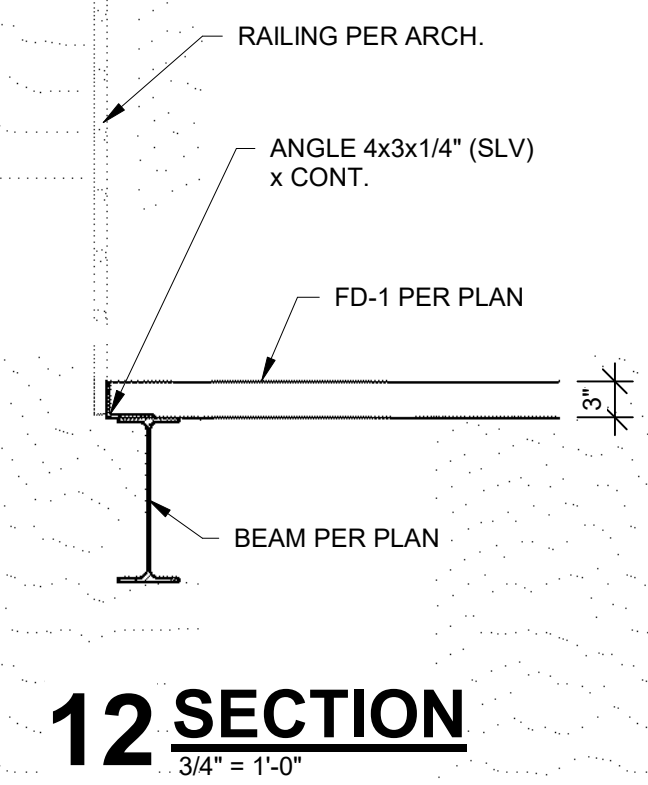
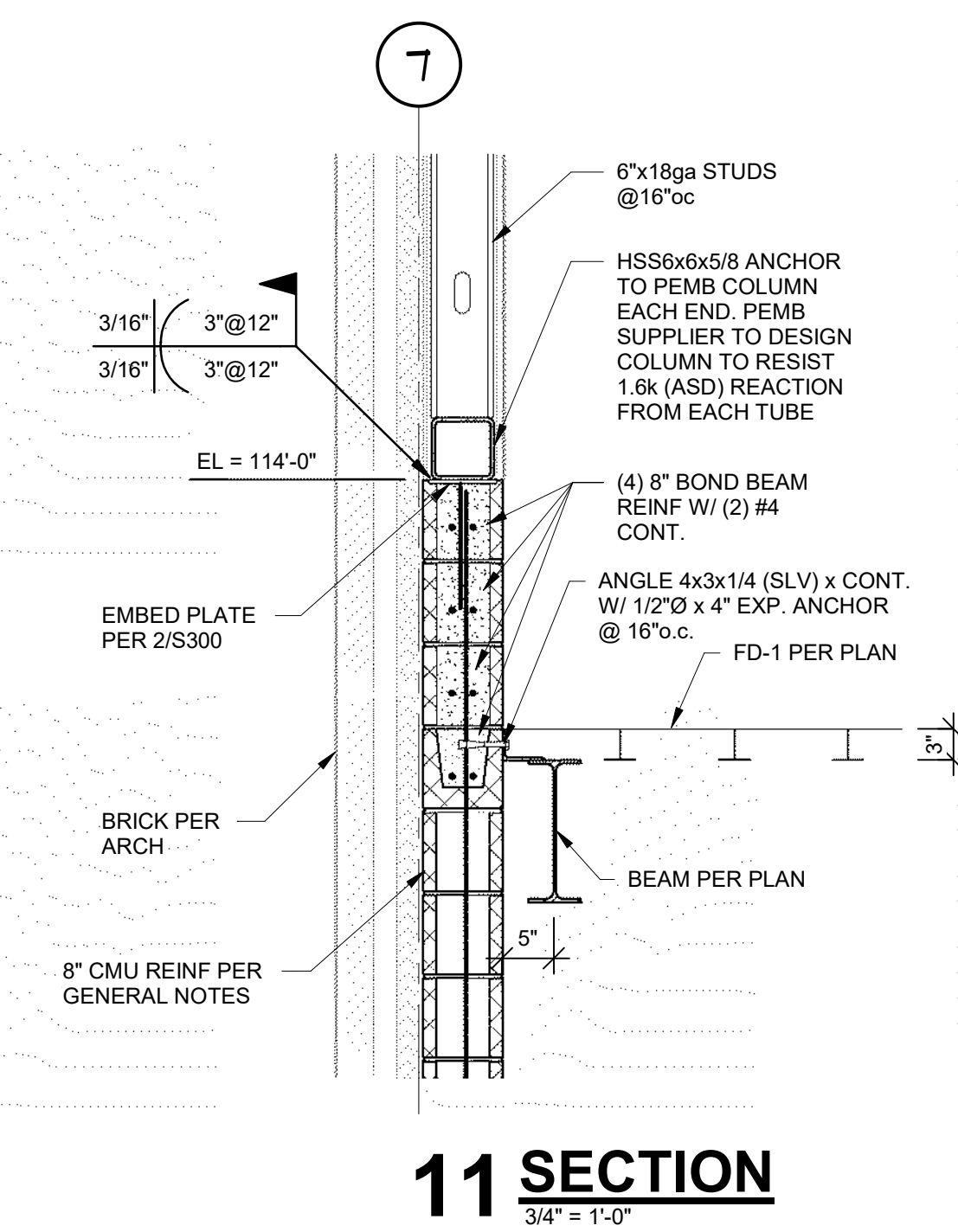
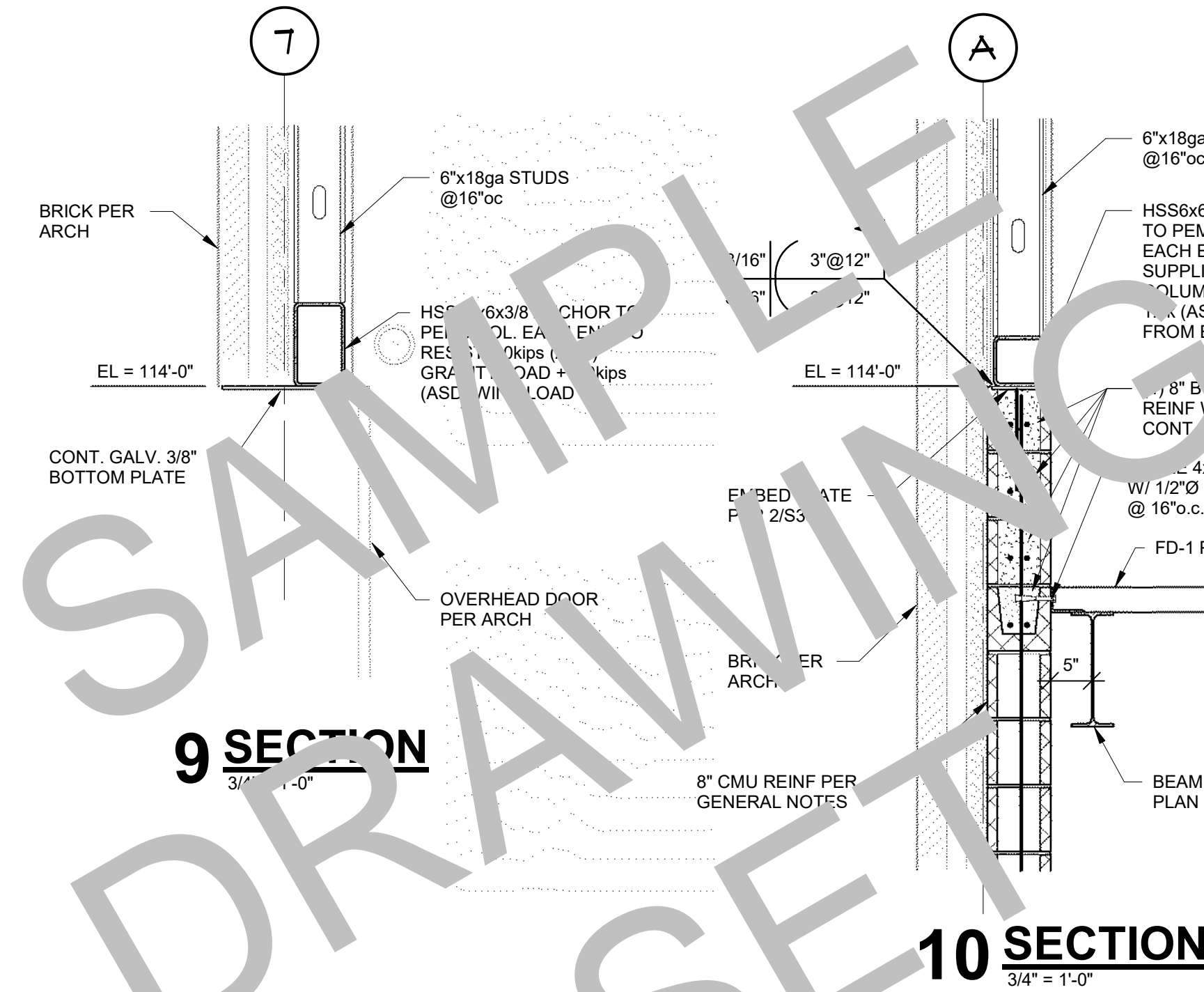
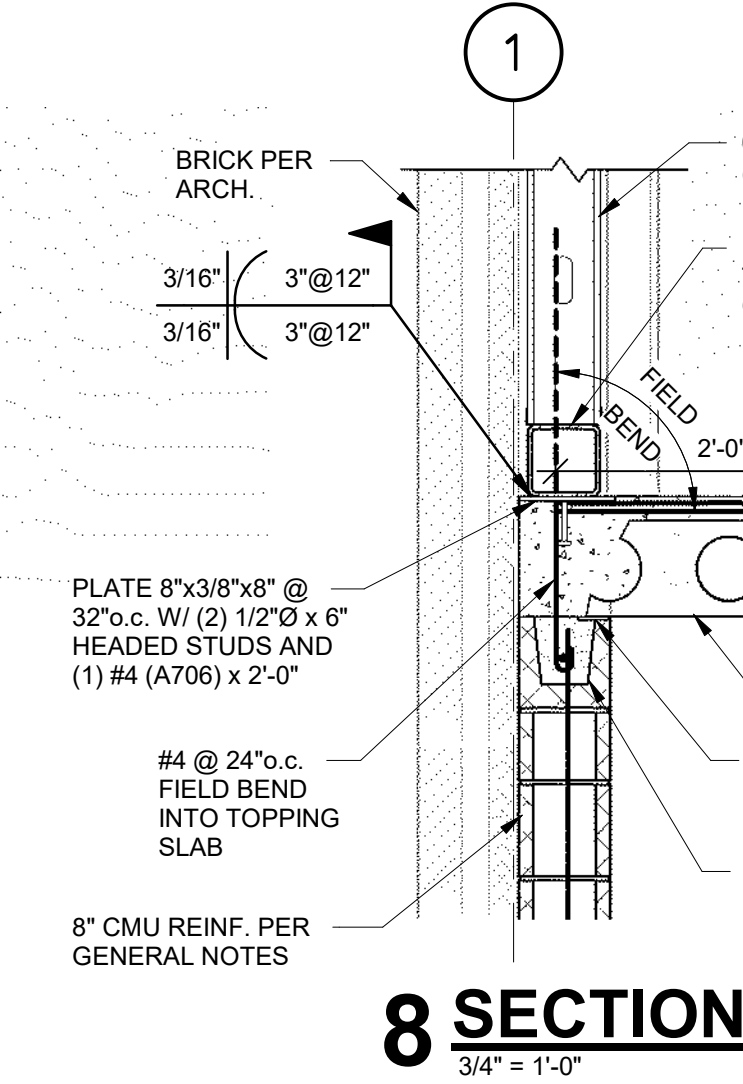
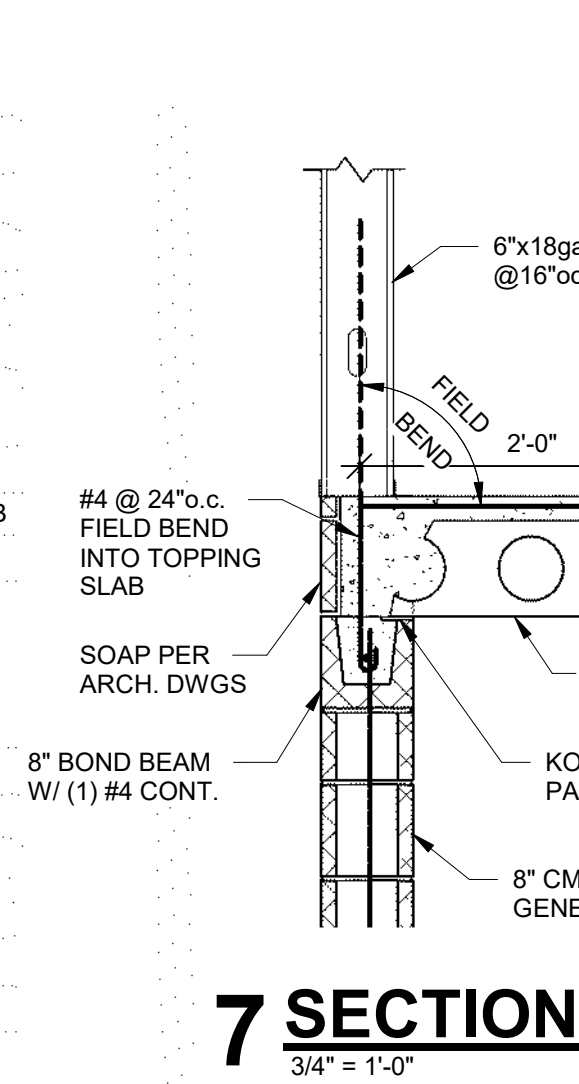
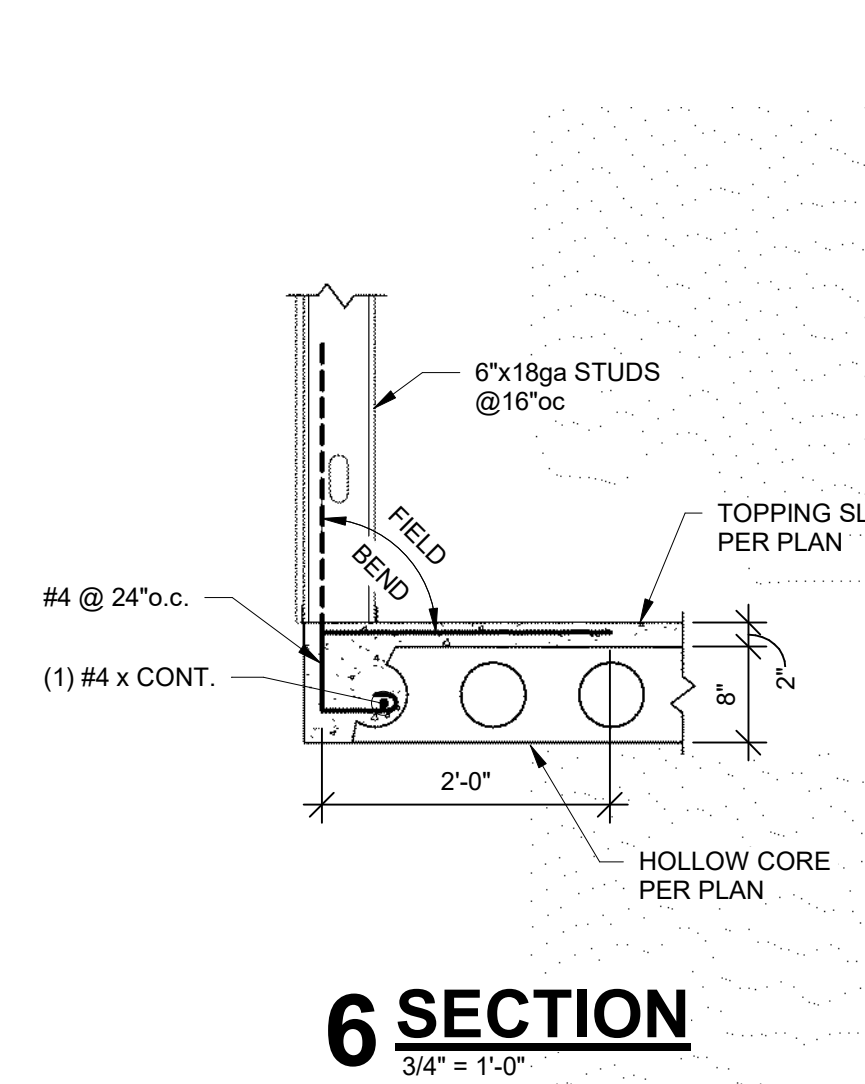
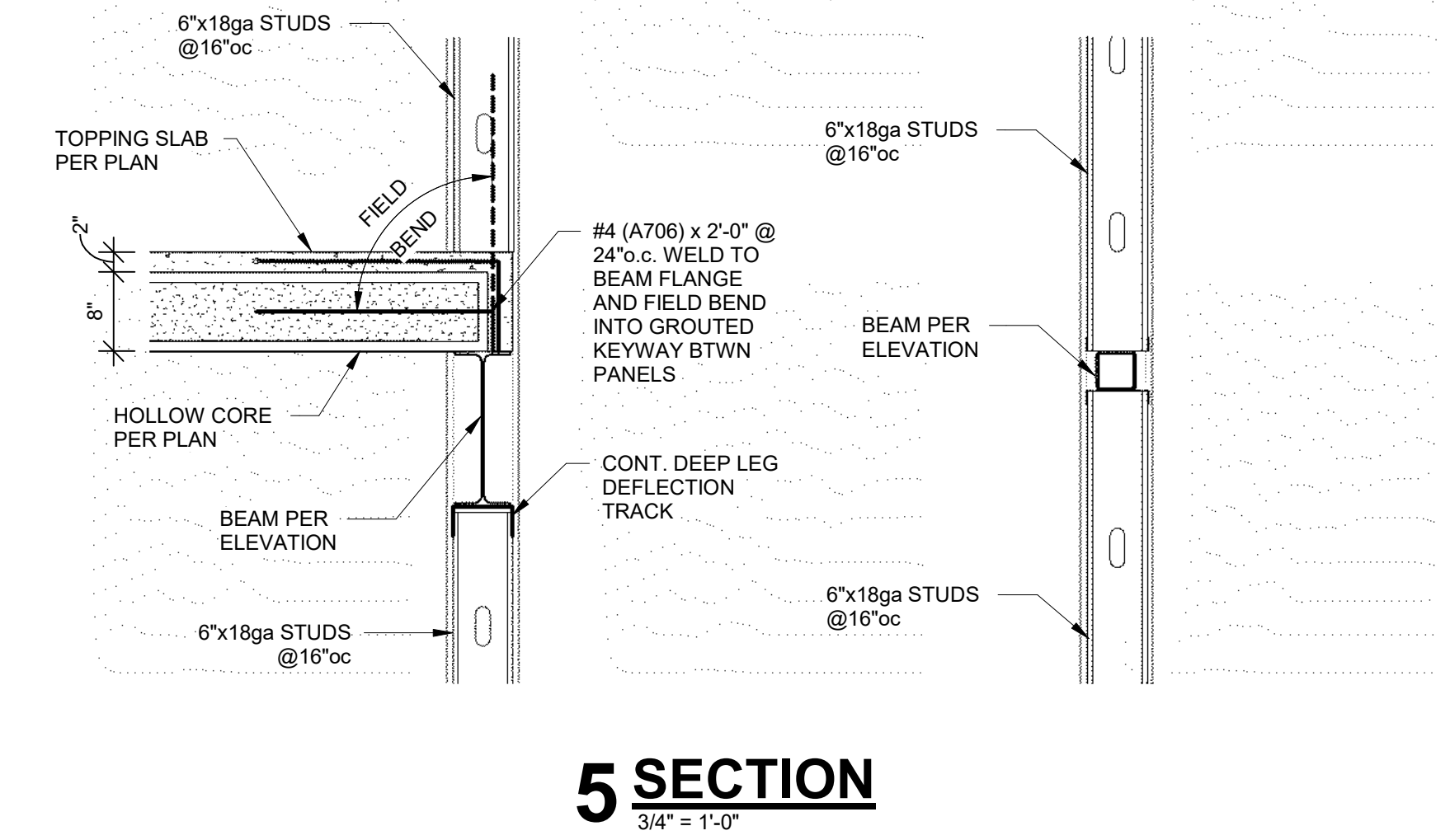
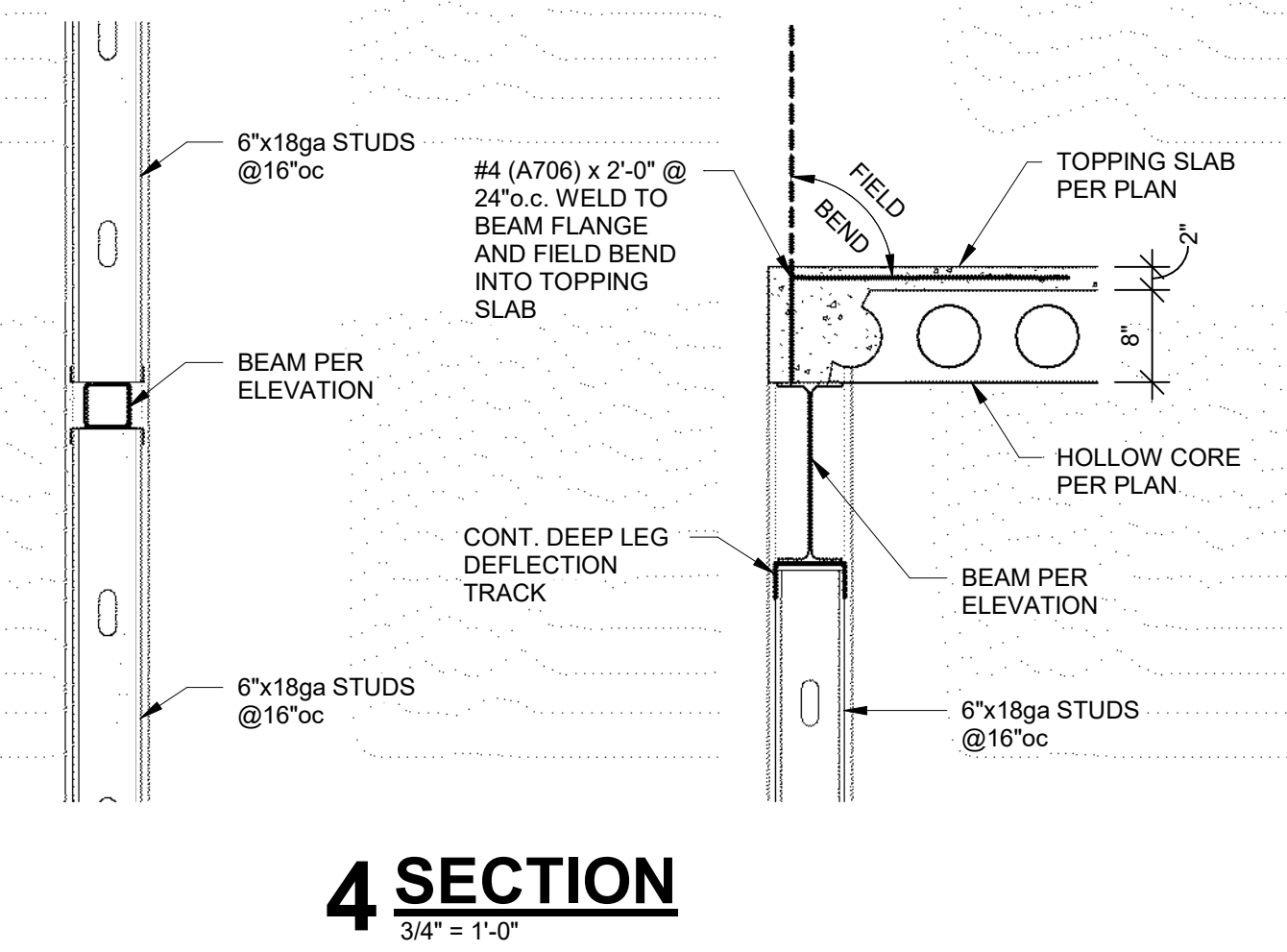
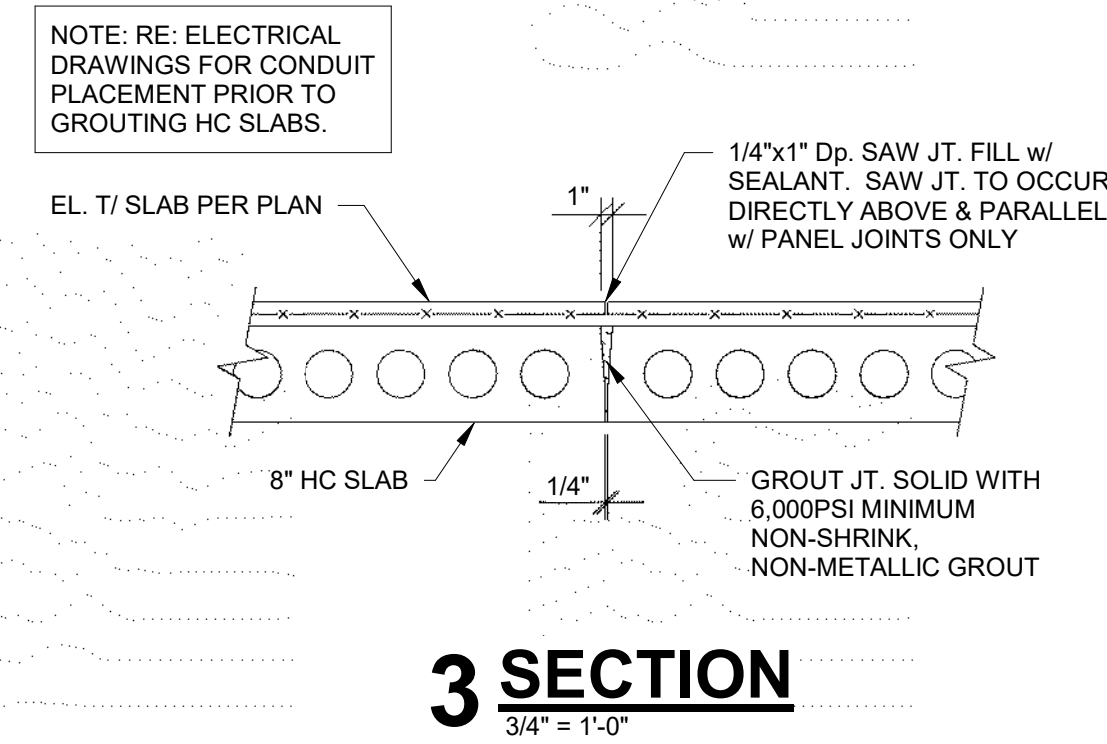
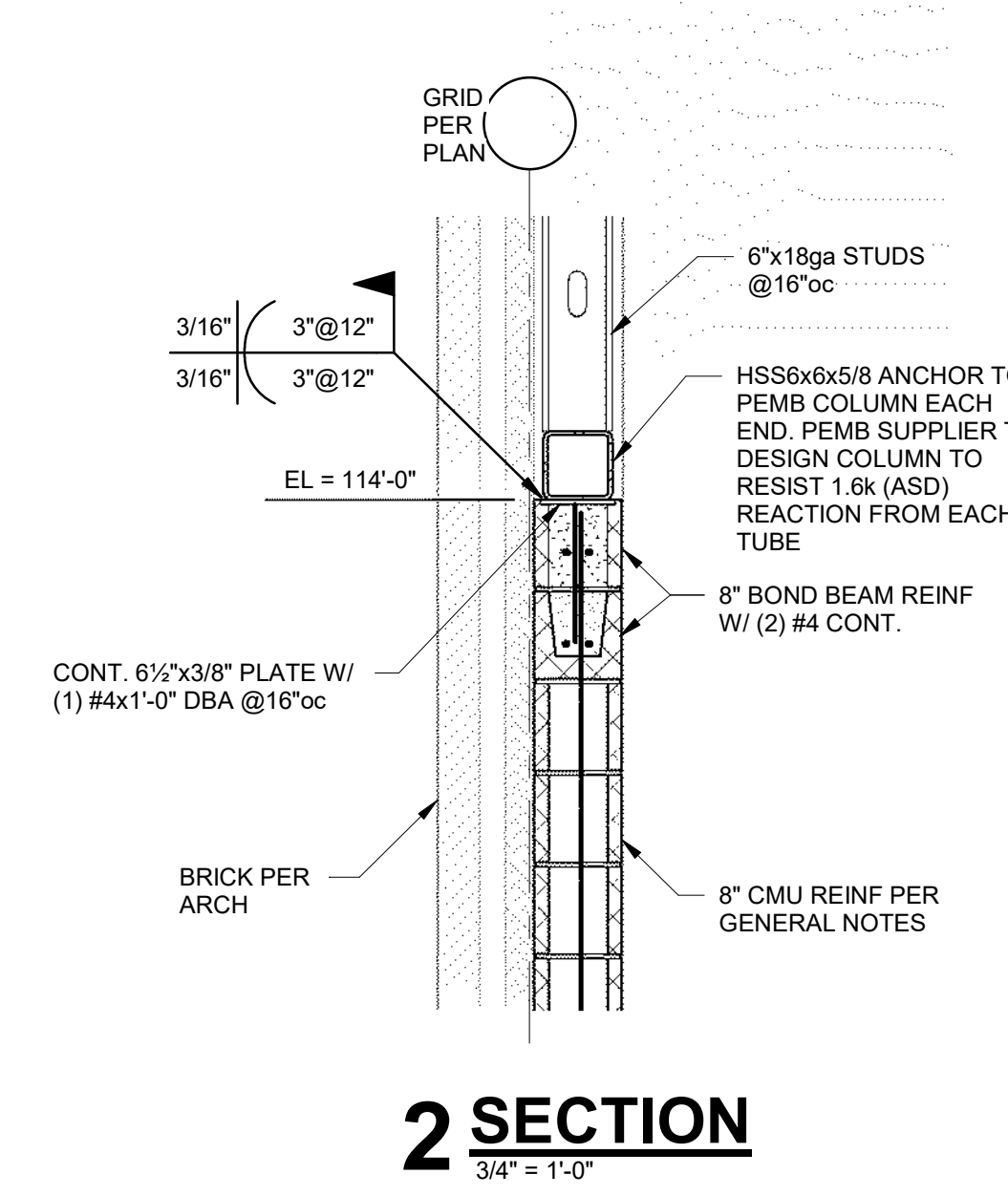
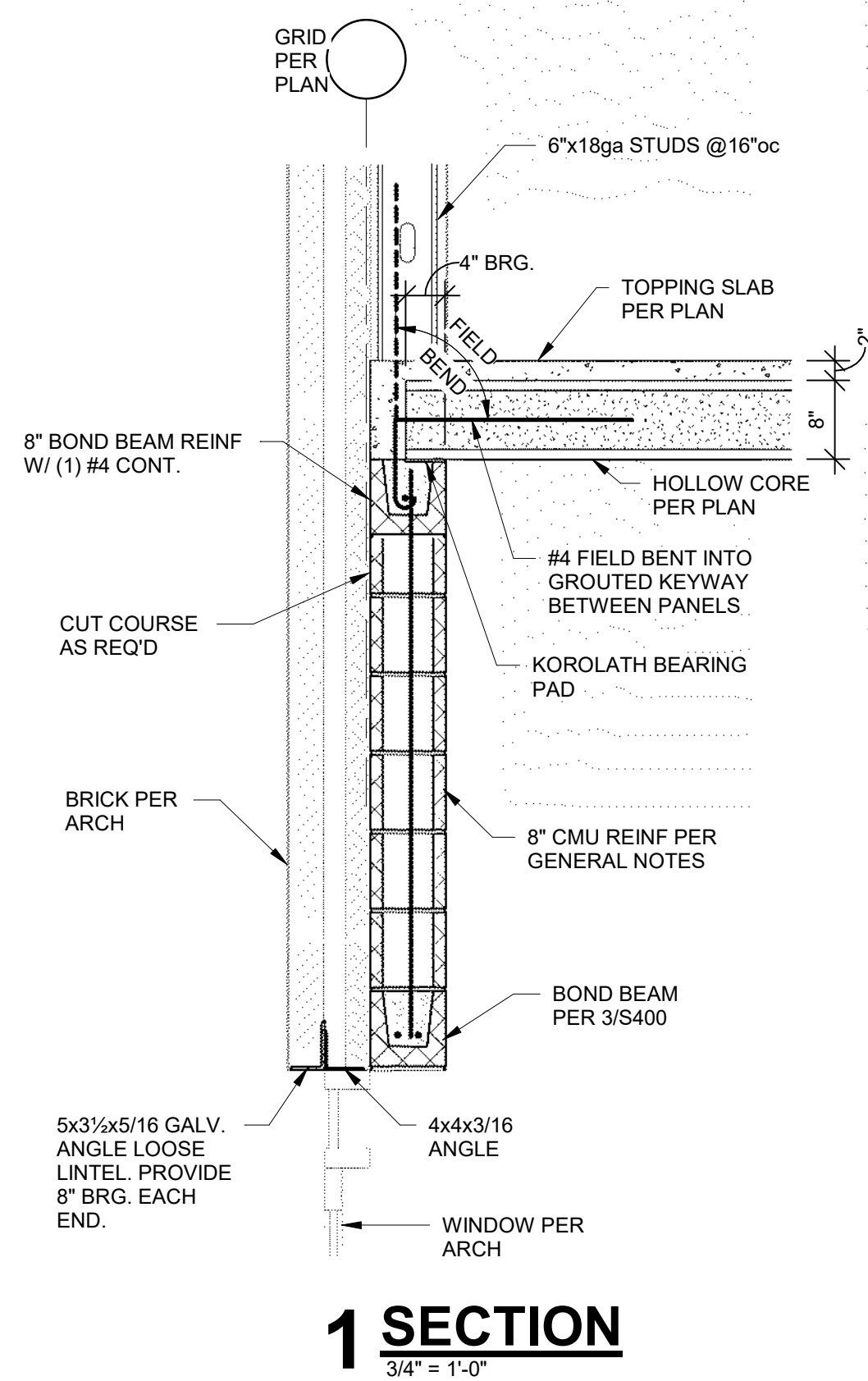
11 SECTION
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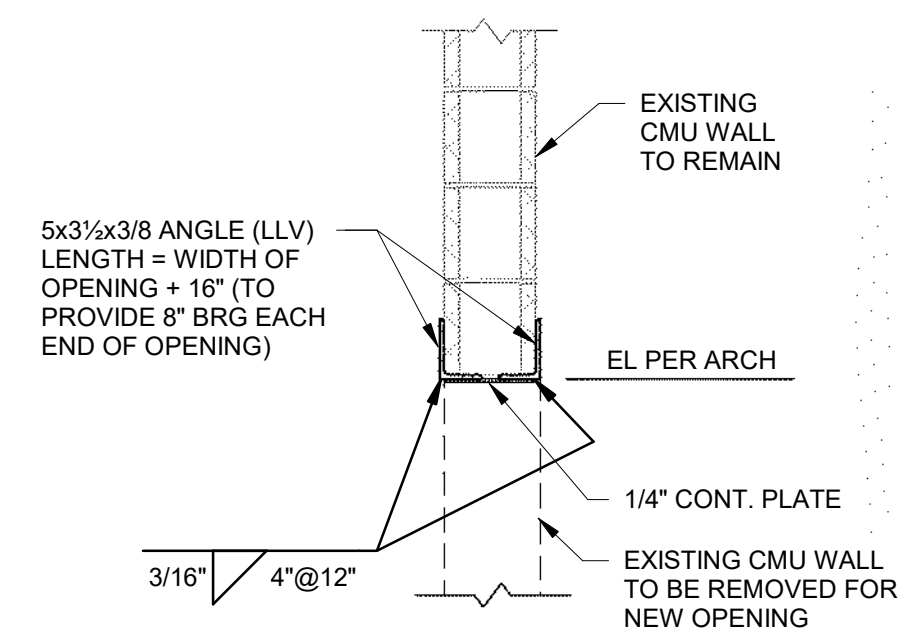
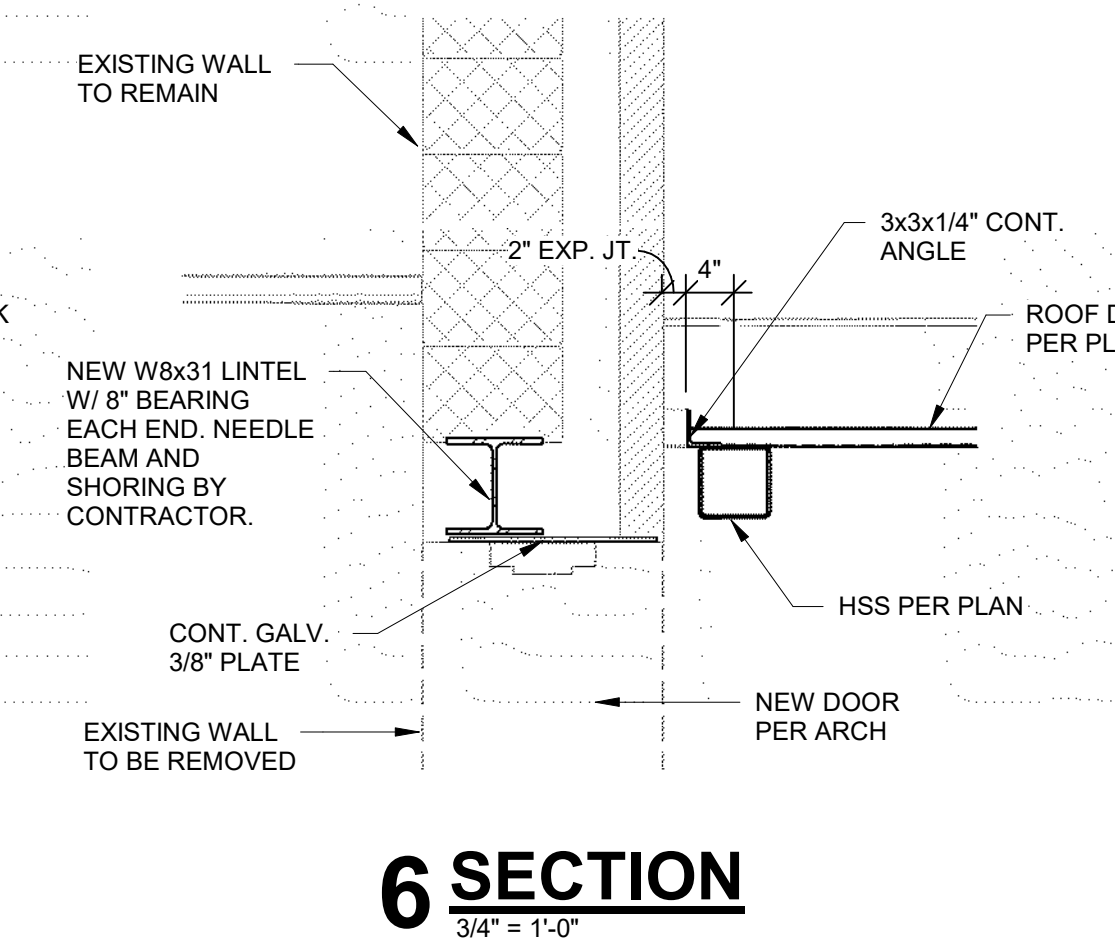
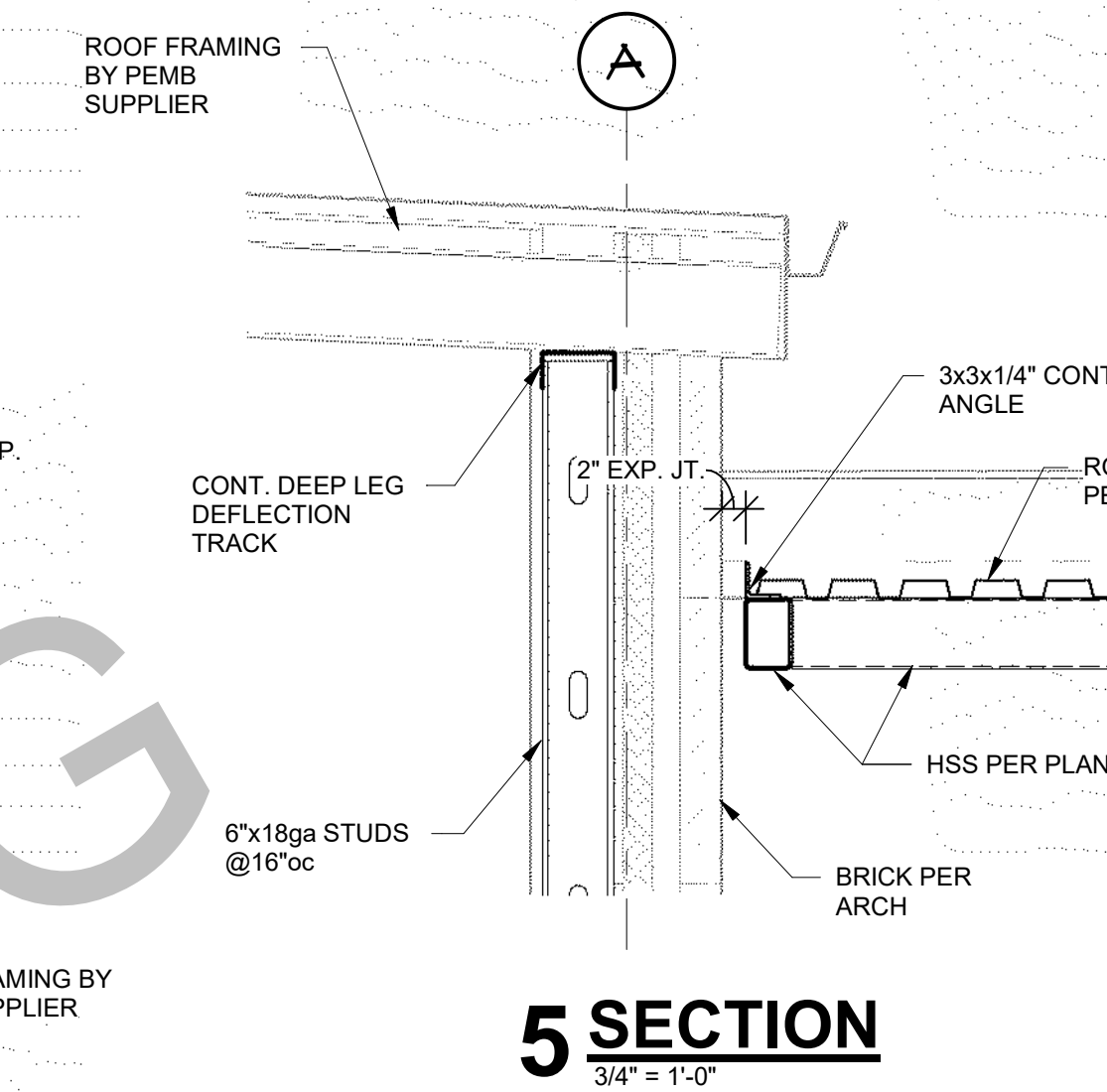
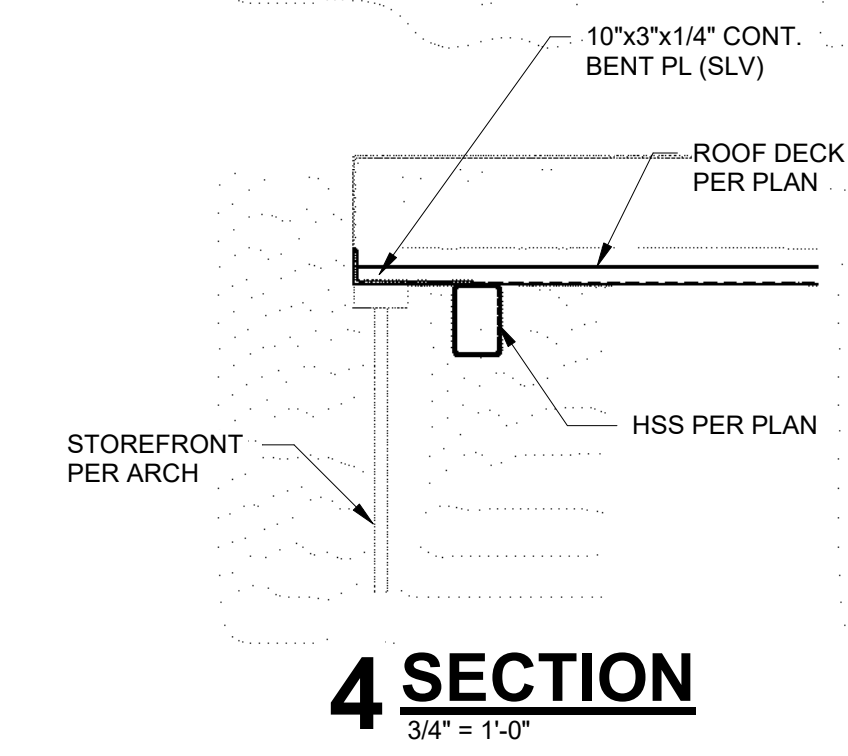
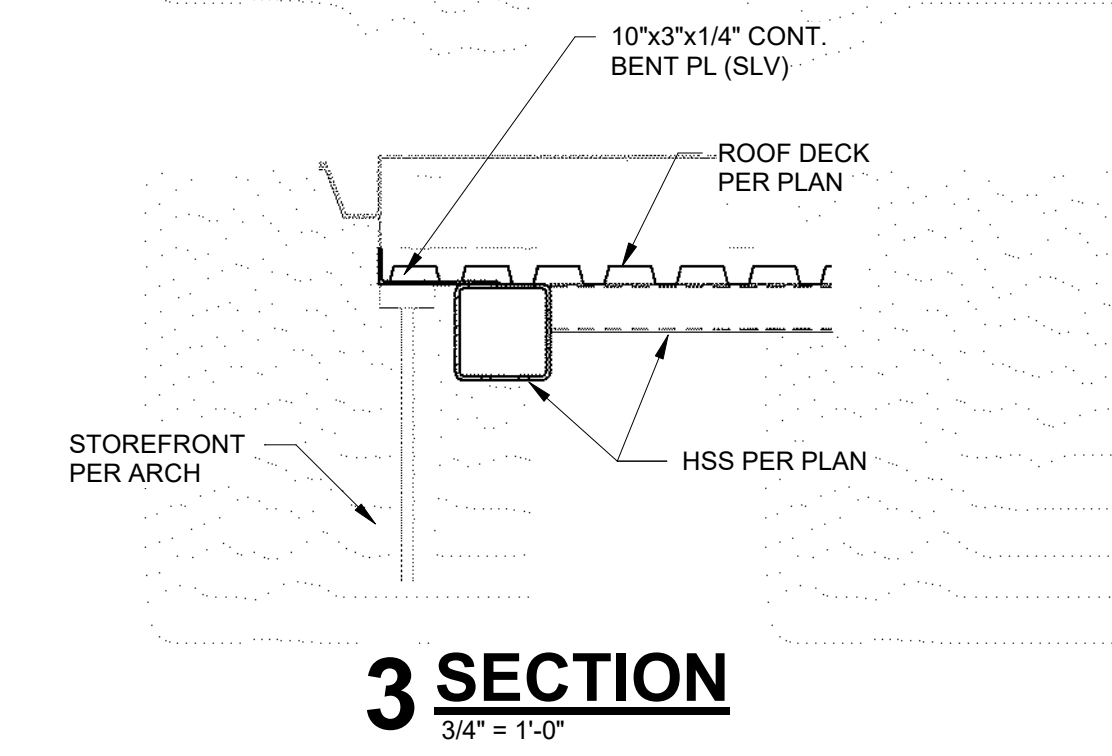
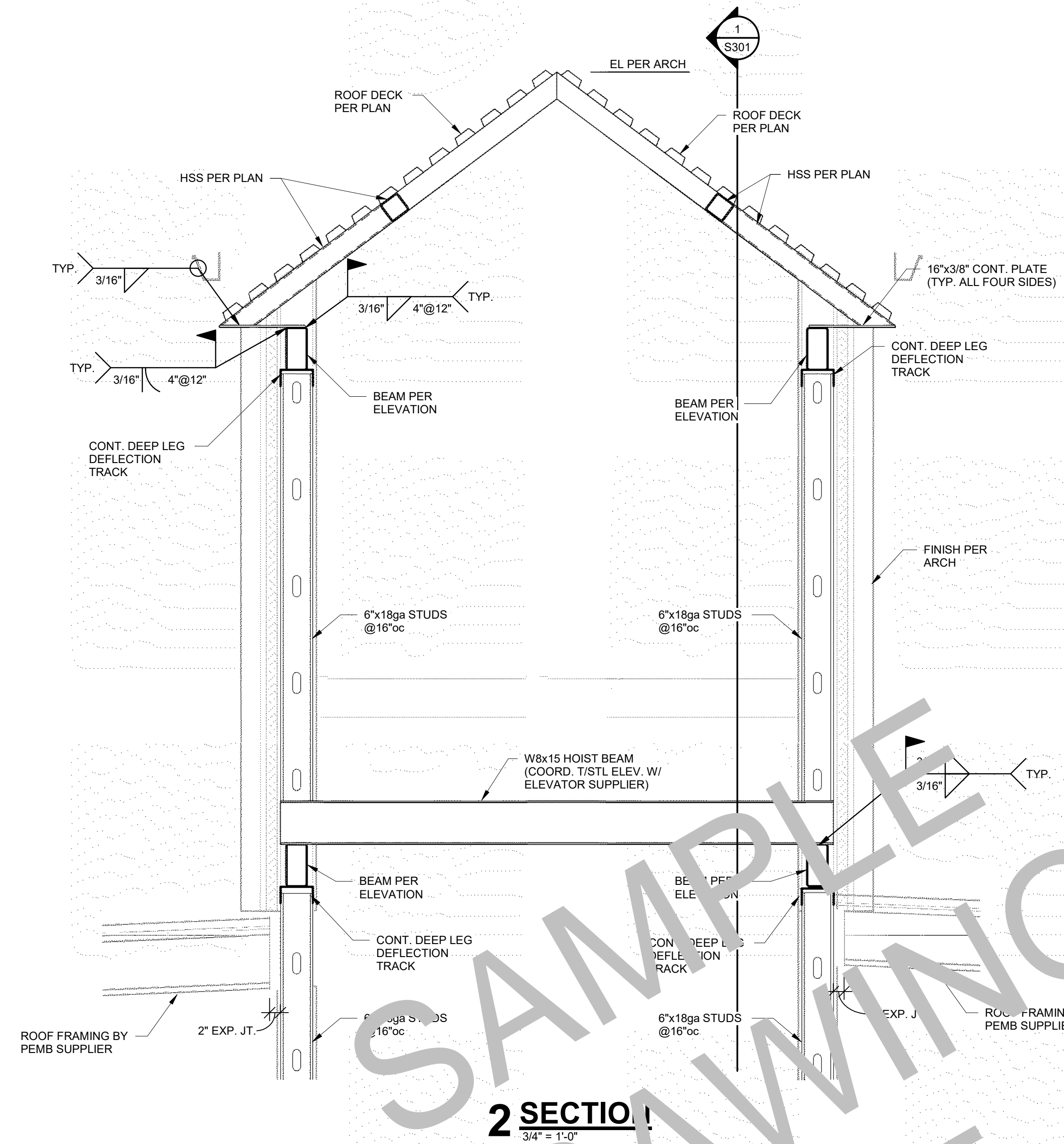
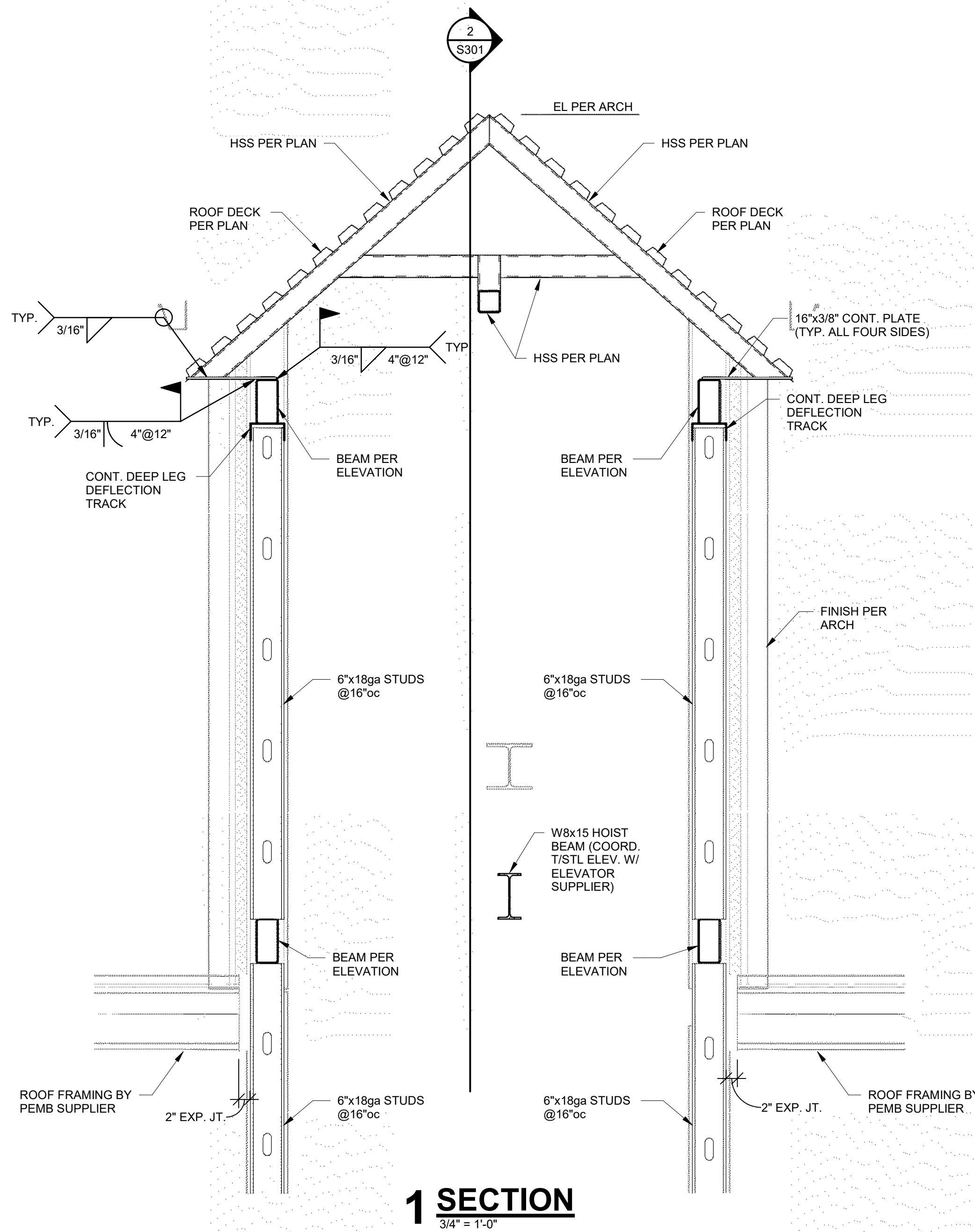


12 SECTION
3/4" = 1'-0"



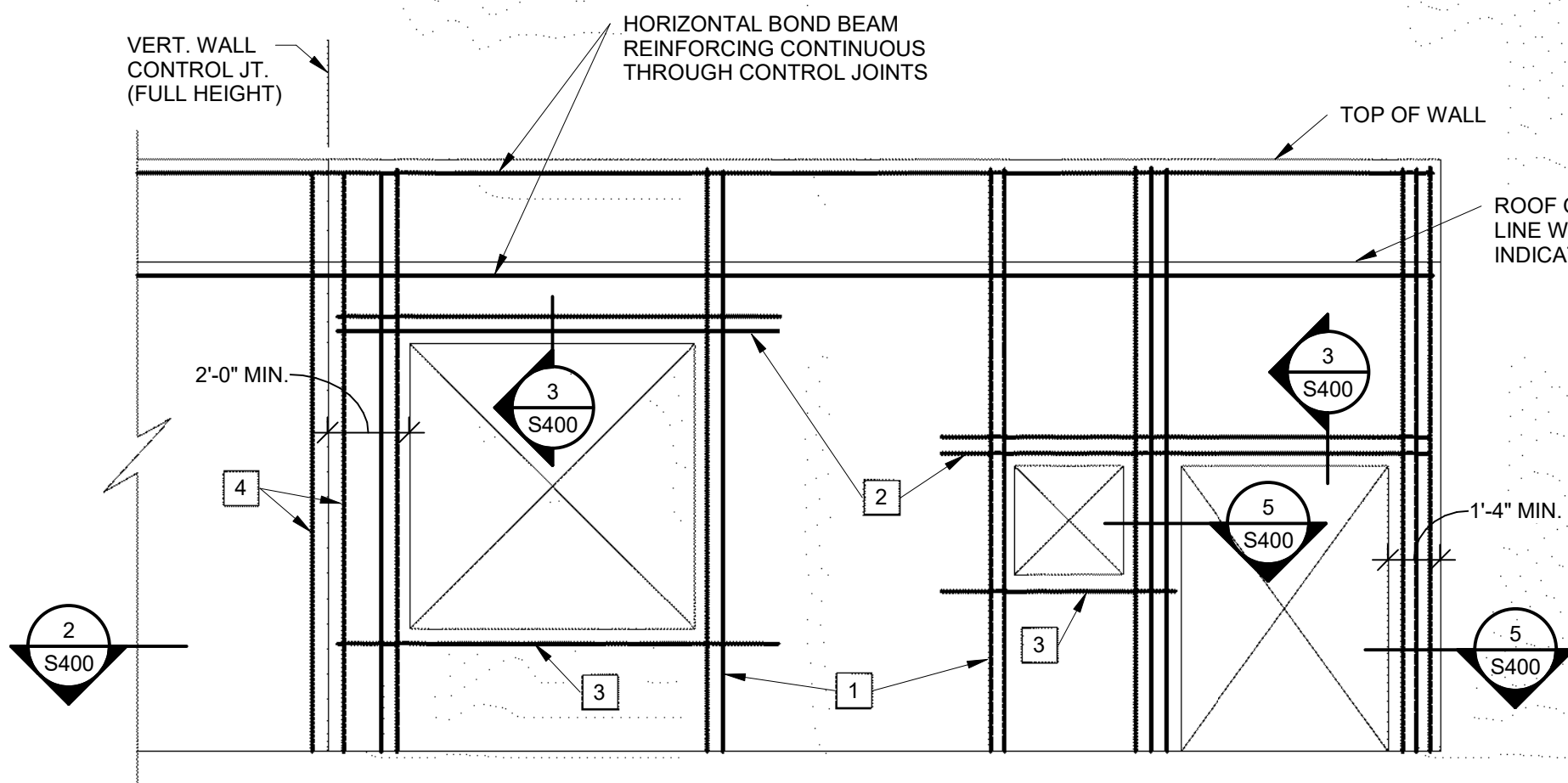
13 SECTION
3/4" = 1'-0"





- LINTEL INSTALLATION SEQUENCE**
- SCORE BED JOINT AT TOP OF NEW OPENING. EXTEND 8" FAST JAMB OF NEW OPENING EACH END. DO NOT OVER-CUT JOINTS.
 - INSERT HORIZONTAL LEG OF 5x3 1/2" ANGLE INTO SCORED BED JOINT.
 - REPEAT STEPS 1 & 2 FOR OPPOSITE SIDE OF WALL.
 - REMOVED EXISTING WALL TO CREATE NEW OPENING.
 - WELD 1/4" PLATE TO BOTTOM OF 5x3 1/2" ANGLES.

NEW OPENING IN EXISTING CMU WALL



TYPICAL CMU WALL REINFORCING AT OPENINGS

LEGEND:

- 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).
- LINTEL REINFORCING PER SECTION C. EXTEND 2'-0" PAST EDGE OF OPENING ON EACH SIDE (TYPICAL).
- 2-#5 CONTINUOUS HORIZONTAL BARS AS SILL REINFORCING IN 8" COURSE BELOW OPENING (U.N.O.). EXTEND 2'-0" PAST EDGE OF OPENING ON EACH SIDE (TYPICAL).
- 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 CONTINUED):

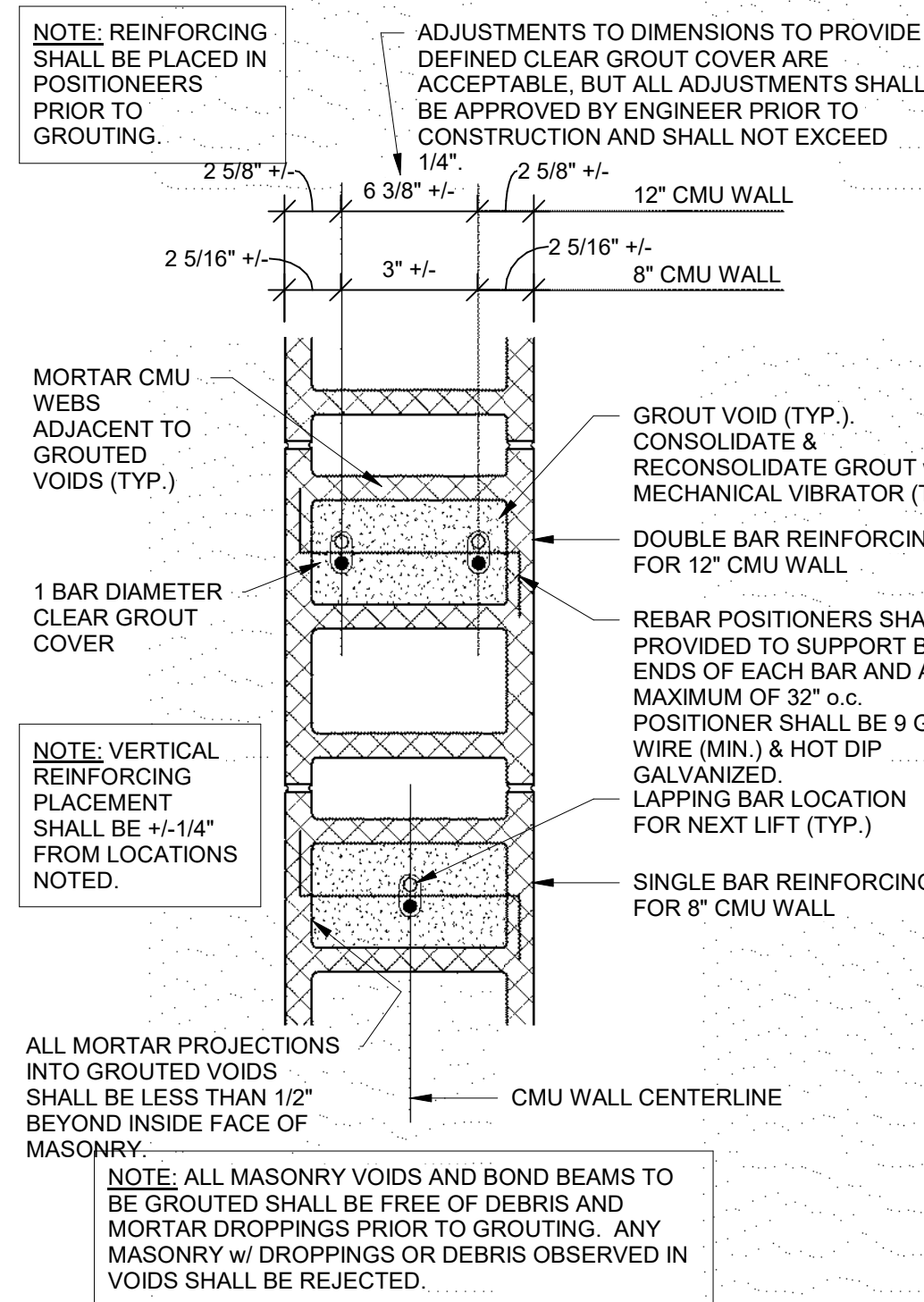
- VERTICAL REINFORCING BARS SHALL BE DOWELED TO FOUNDATION WITH A DOWEL OF MATCHING SIZE AND SPACING.
- CONTRACTOR SHALL COORDINATE AND VERIFY OPENINGS IN MASONRY WALLS. OPENINGS SHALL BE DETAILED ON REINFORCING STEEL SHOE DRAWING ELEVATIONS.
- VERTICAL CONTROL JOINTS IN MASONRY WALLS SHALL BE 3/8" WIDE, FULL HEIGHT OF WALL. JOINTS SHALL BE SPACED AT A MAXIMUM OF 24'-0" ON CENTER 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.

WALL THICKNESS	LOCATION	VERTICAL REINF. (IN GROUTED CELLS)	SPACING
8"	ALL 8" WALLS (U.N.O.)	1- #5	32"oc
12"	ALL 12" WALLS (U.N.O.)	2- #5	16"oc

NOTES:

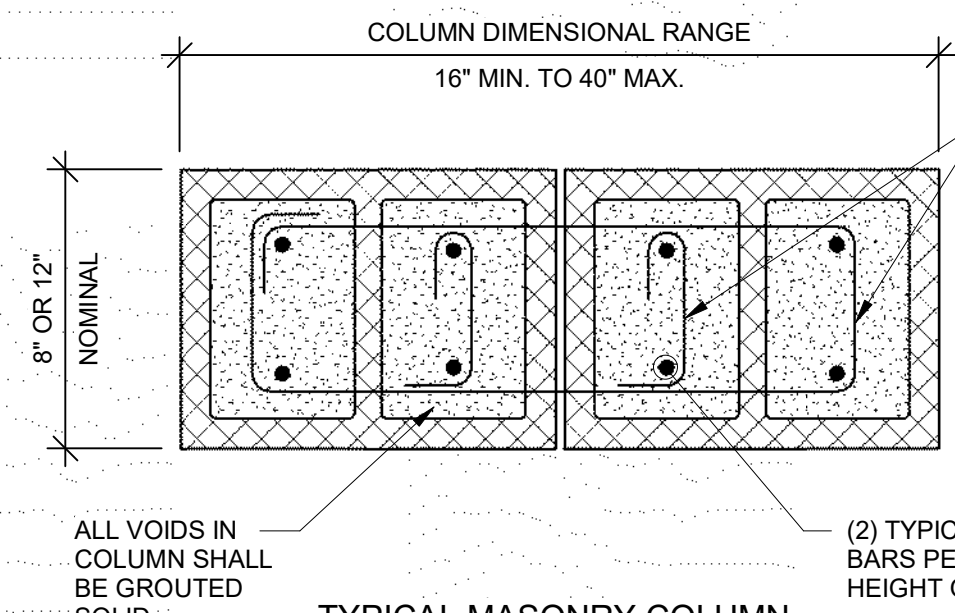
- IN ADDITION TO SPACING SHOWN IN SCHEDULE, VERTICAL REINFORCING SHALL BE PROVIDED IN GROUTED CELLS AT THE FOLLOWING LOCATIONS:
 - IN THE FIRST 2 CELLS ADJACENT TO EACH OPENING
 - IN THE END CELLS ON EACH SIDE OF VERTICAL CONTROL JOINTS
 - IN THE END CELLS OF EACH LENGTH OF WALL
 - AT EACH CORNER OF WALLS
- 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.

1 CMU WALL ELEVATION
1 1/2" = 1'-0"



TYPICAL REBAR POSITIONING DETAIL

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

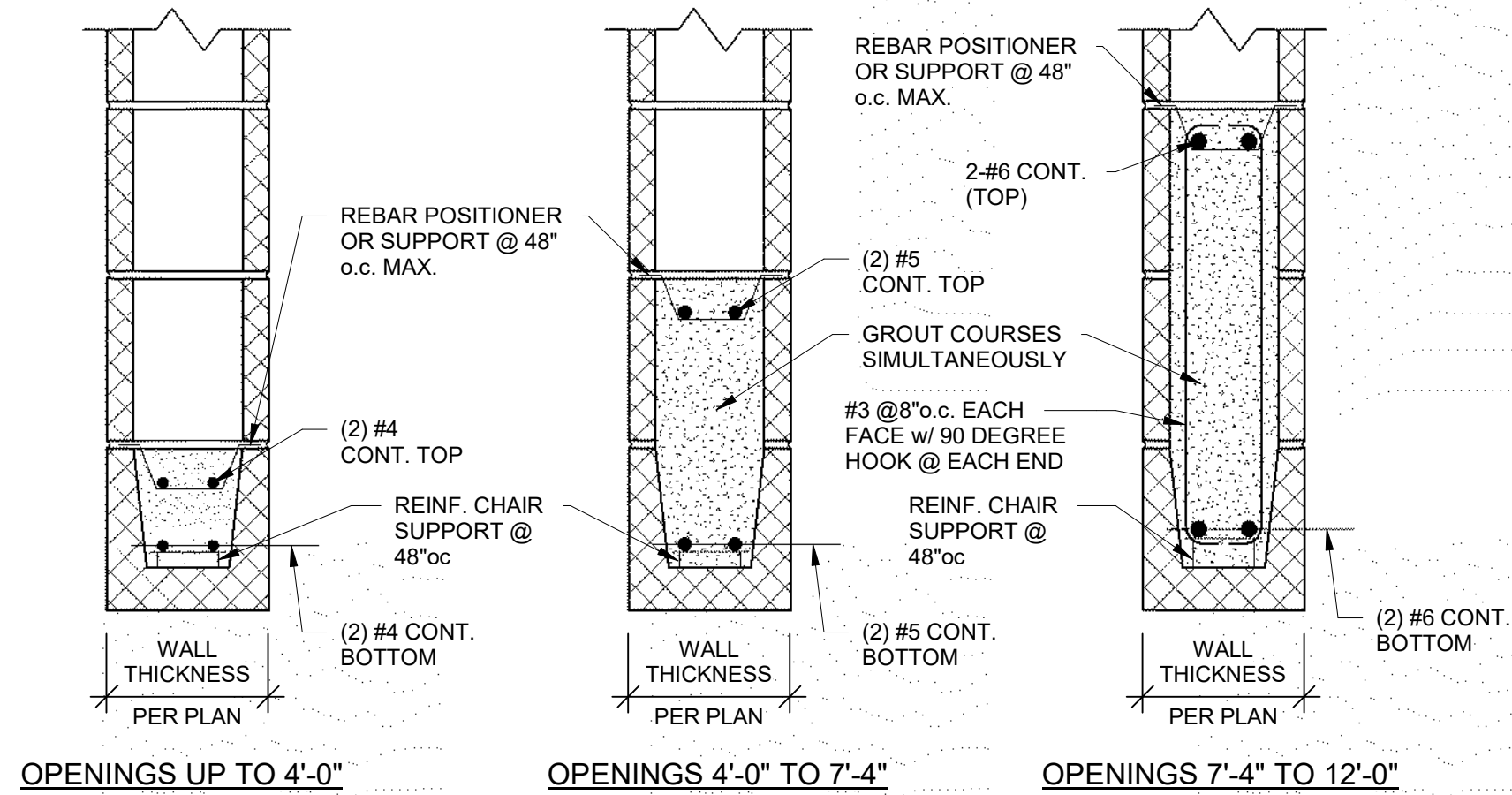


TYPICAL MASONRY COLUMN

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

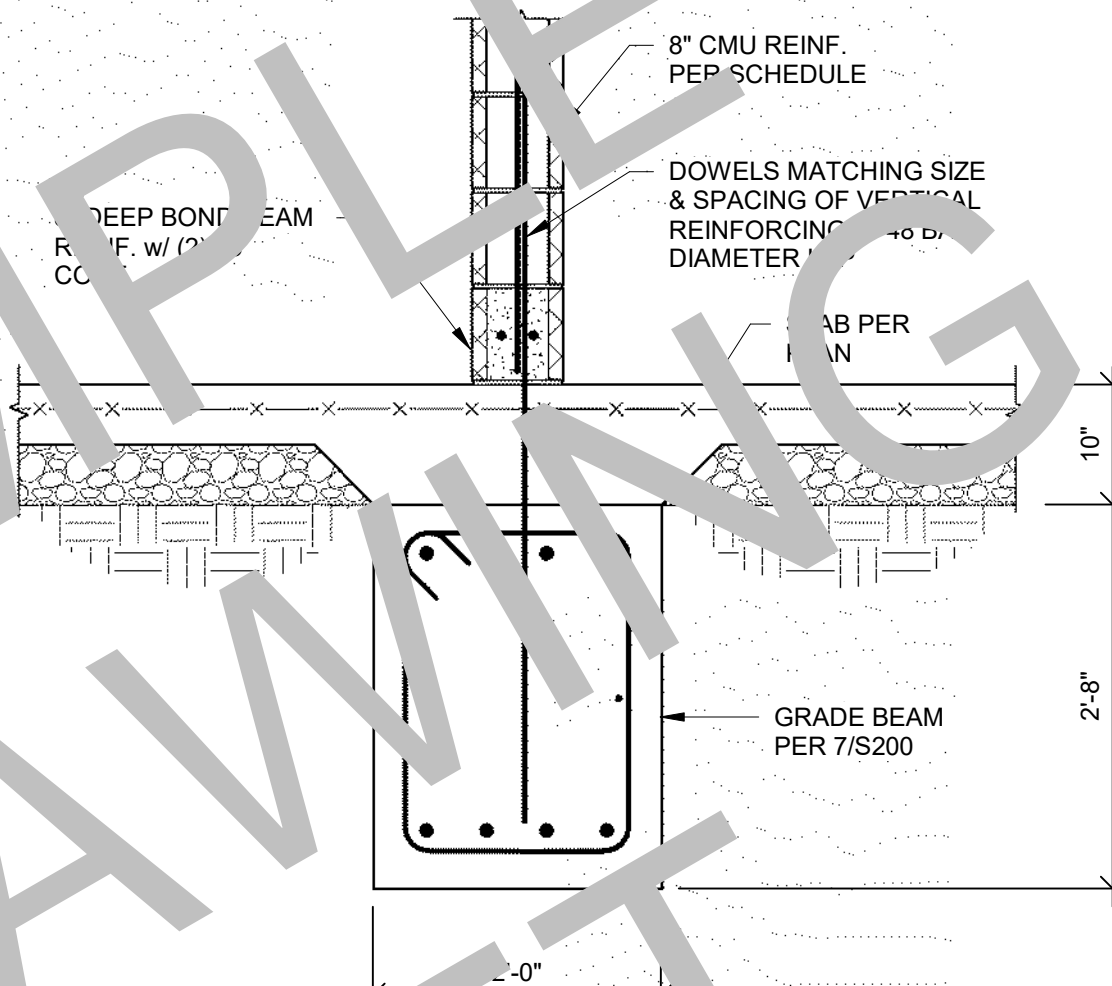
TYPICAL MASONRY REINFORCING NOTE:

ALL INTERIOR & EXTERIOR MASONRY WALLS SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS ARE TO BE REINFORCED HORIZONTALLY WITH BOND BEAMS (2-#5 BOTTOM) AT BOTTOM COURSE, TOP COURSE, JOINT BEARING ELEVATION AND AT 8'-0" MAXIMUM O.C. AND VERTICALLY AS INDICATED ON DRAWINGS. THESE WALLS ARE TO BE ANCHORED TOP AND BOTTOM TO THE FOUNDATION, FLOOR, OR ROOF PER TYPICAL DETAILS. THE VERTICAL REINFORCING IS CONTINUOUS (IN 6"-8" MAXIMUM LENGTHS, LAPPED 2'-6" MINIMUM), FILL BLOCK CELLS AND BOND BEAMS WITH 2,500psi GROUT. RE: DETAILS "A" THROUGH "E" ON THIS SHEET.

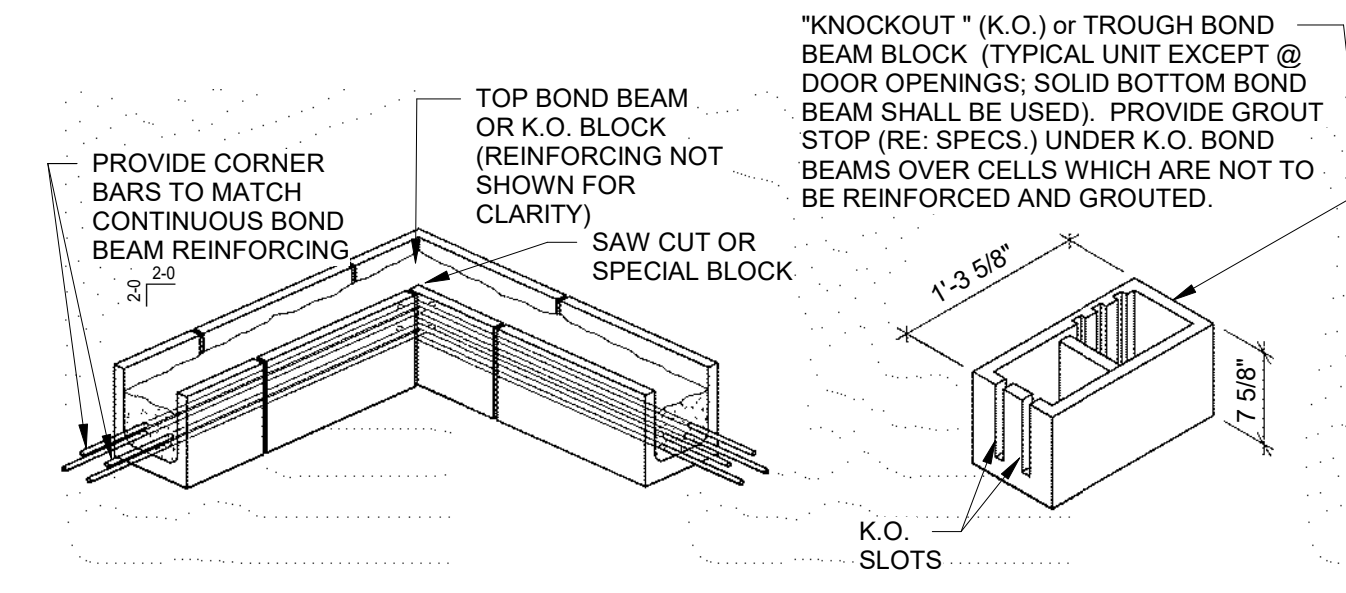


TYPICAL LINTELS AT ALL CMU WALLS (U.N.O.)

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

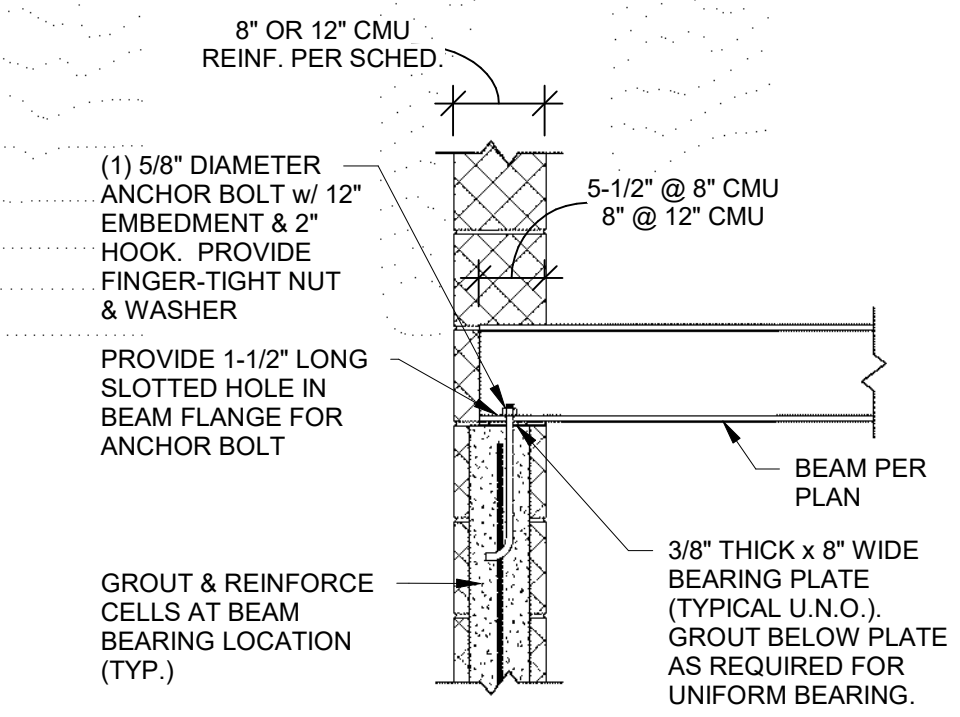


6 SECTION
1 1/2" = 1'-0"



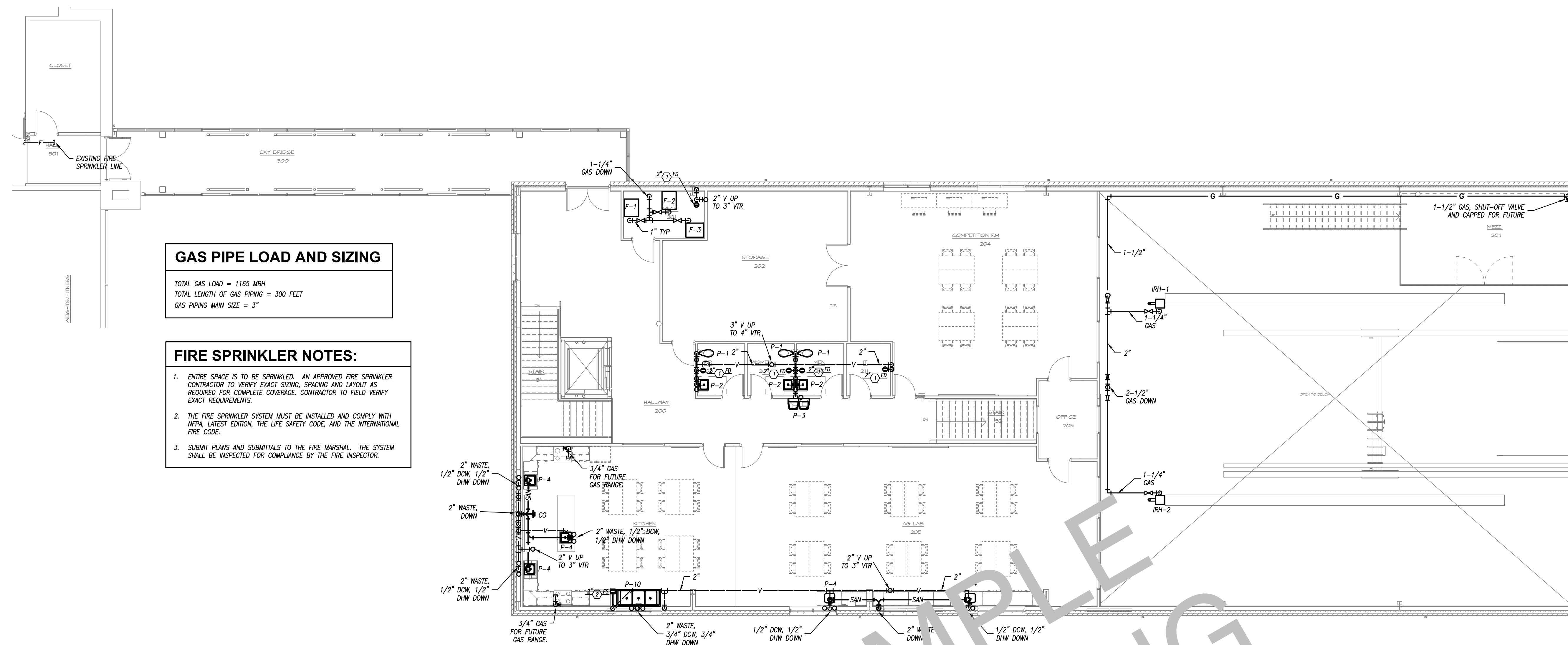
TYPICAL BOND BEAM DETAIL AT CORNER OF CMU WALL

4 DETAIL
3/4" = 1'-0"



TYPICAL WIDE FLANGE BEAM BEARING ON CMU (U.N.O.)

7 SECTION
3/4" = 1'-0"



GAS PIPE LOAD AND SIZING

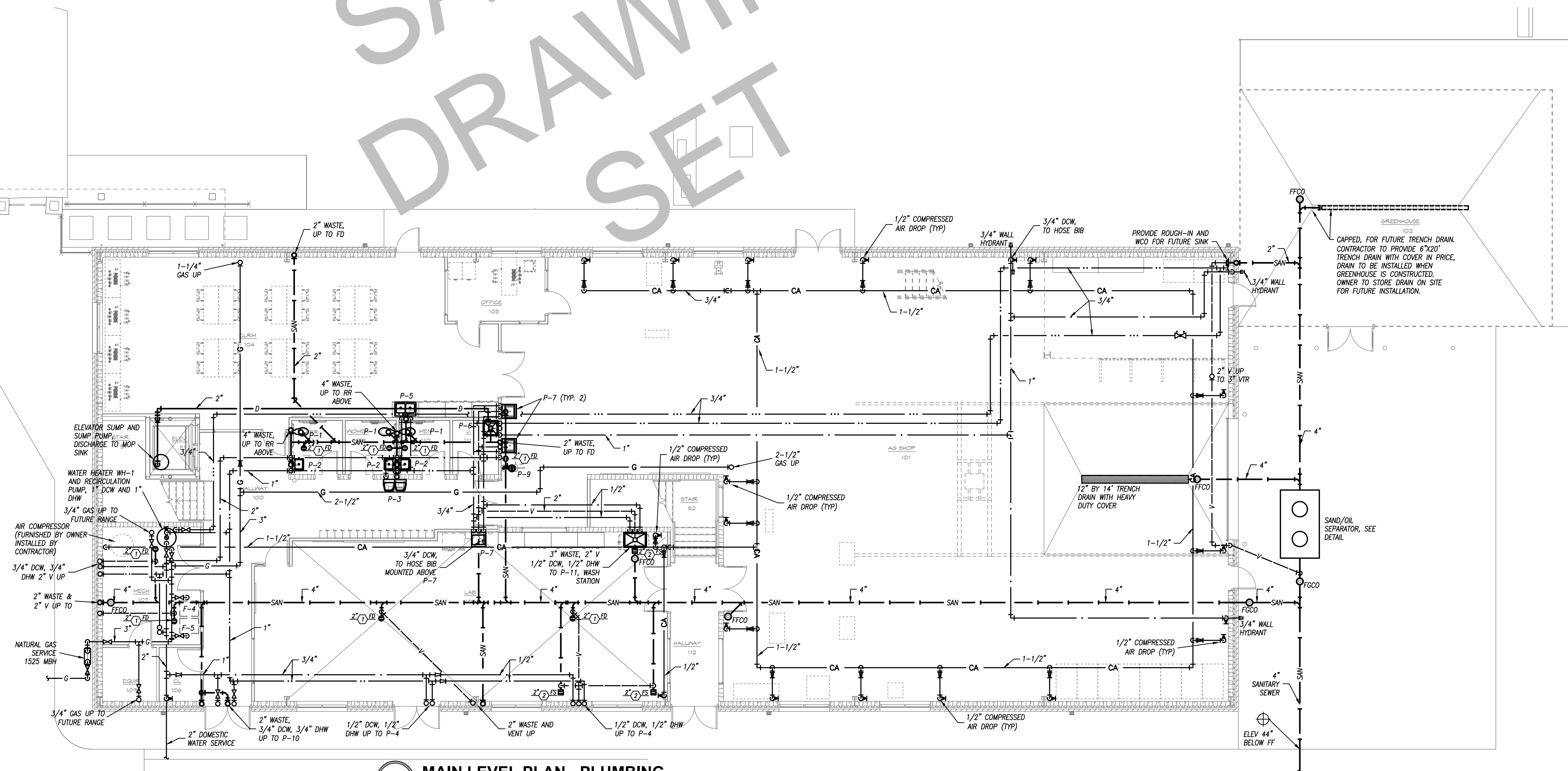
TOTAL GAS LOAD = 1165 MBH
TOTAL LENGTH OF GAS PIPING = 300 FEET
GAS PIPING MAIN SIZE = 3"

FIRE SPRINKLER NOTES:

- ENTIRE SPACE IS TO BE SPRINKLED. AN APPROVED FIRE SPRINKLER CONTRACTOR TO VERIFY EXACT SIZING, SPACING AND LAYOUT AS REQUIRED FOR COMPLETE COVERAGE. CONTRACTOR TO FIELD VERIFY EXACT REQUIREMENTS.
- THE FIRE SPRINKLER SYSTEM MUST BE INSTALLED AND COMPLY WITH NFPA, LATEST EDITION, THE LIFE SAFETY CODE, AND THE INTERNATIONAL FIRE CODE.
- SUBMIT PLANS AND SUBMITTALS TO THE FIRE MARSHAL. THE SYSTEM SHALL BE INSPECTED FOR COMPLIANCE BY THE FIRE INSPECTOR.

UPPER LEVEL PLAN - PLUMBING

1/8" = 1'-0"



MAIN LEVEL PLAN - PLUMBING

1/8" = 1'-0"

PIPING MATERIAL & INSULATION SCHEDULE

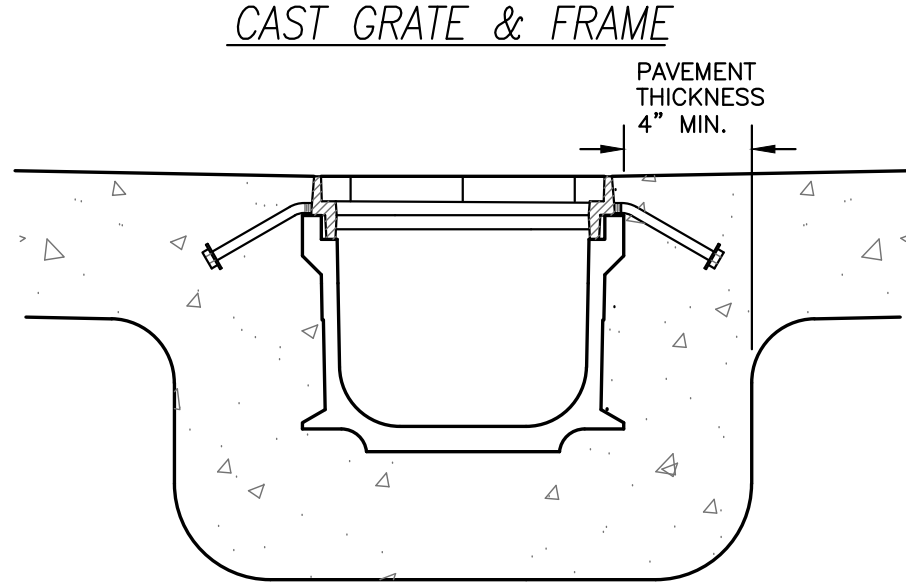
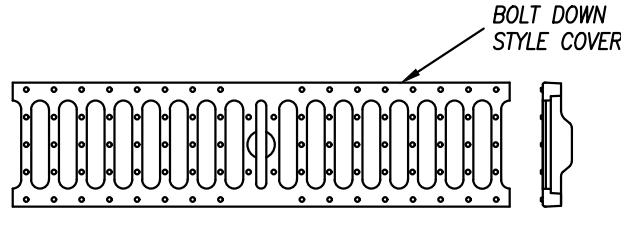
SYSTEM	SIZE	TYPE/SCHED	MATERIAL	ACCEPTABLE FITTINGS	FIELD TEST PRESSURE/TIME	ALLOWABLE IN PLENUMS	INSULATION
DOMESTIC COLD WATER	1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASI 1/2"
DOMESTIC HOT WATER & HW RETURN	1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASI 1"
DOM. HOT & COLD BELOW GRADE	1/2"-1-1/4"	K	COPPER	CONTINUOUS TUBING, BRAZED	130 PSI - 1/2HR	YES	ELASTOMERIC 3/4" (HOT ONLY)
NATURAL GAS - ABOVE GRADE	2-1/2" & Up	SCH. 40	STEEL - SEAMED	WELDED	75 PSI - 1HR	YES	----
NATURAL GAS - ABOVE GRADE	1/2"-2"	SCH. 40	STEEL - SEAMLESS	THREADED IRON	75 PSI - 1HR	YES	----
NATURAL GAS BELOW GRADE	ALL	SDR-11	POLYETHYLENE	FUSION JOINTS	100 PSI - 1HR	NO	----
SOIL & WASTE ABOVE GRADE	1-1/2"-6"	NO HUB / SERVICE WT.	CAST IRON	NO HUB	10 FT - 1/2HR	YES	----
SOIL & WASTE ABOVE GRADE	2"-8"	SCH. 40	PVC	SOLVENT JOINED	10 FT - 1/2HR	NO	----
SOIL & WASTE BELOW GRADE	2"-8"	SCH. 40	PVC	SOLVENT JOINED	10 FT - 1/2HR	NO	----
DRINKING FOUNT. DRINK	ALL	----	----	----	----	YES	ELASTOMERIC 1/2"
CONDENSATE DRAIN INTERIOR	1/2"-2"	L	COPPER	SOLDER, PRO-PRESS	10 FT - 1/2HR	YES	FIBERGLASS W/ ASI 1/2" (PLENUM ONLY)
DOM. WATER SERVICE BELOW GRADE	1"-3"	K	COPPER	CONTINUOUS TUBING, BRAZED	130 PSI - 1/2HR	YES	----
DOM. WATER SERVICE BELOW GRADE	1"-3"	DR. #	HDPE	CONTINUOUS TUBING, FUSED	130 PSI - 1/2HR	NO	----

- NOTES:
1. ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.
2. ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 REQUIREMENTS AT A MINIMUM.
3. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.

FLOOR / ROOF DRAIN SCHEDULE

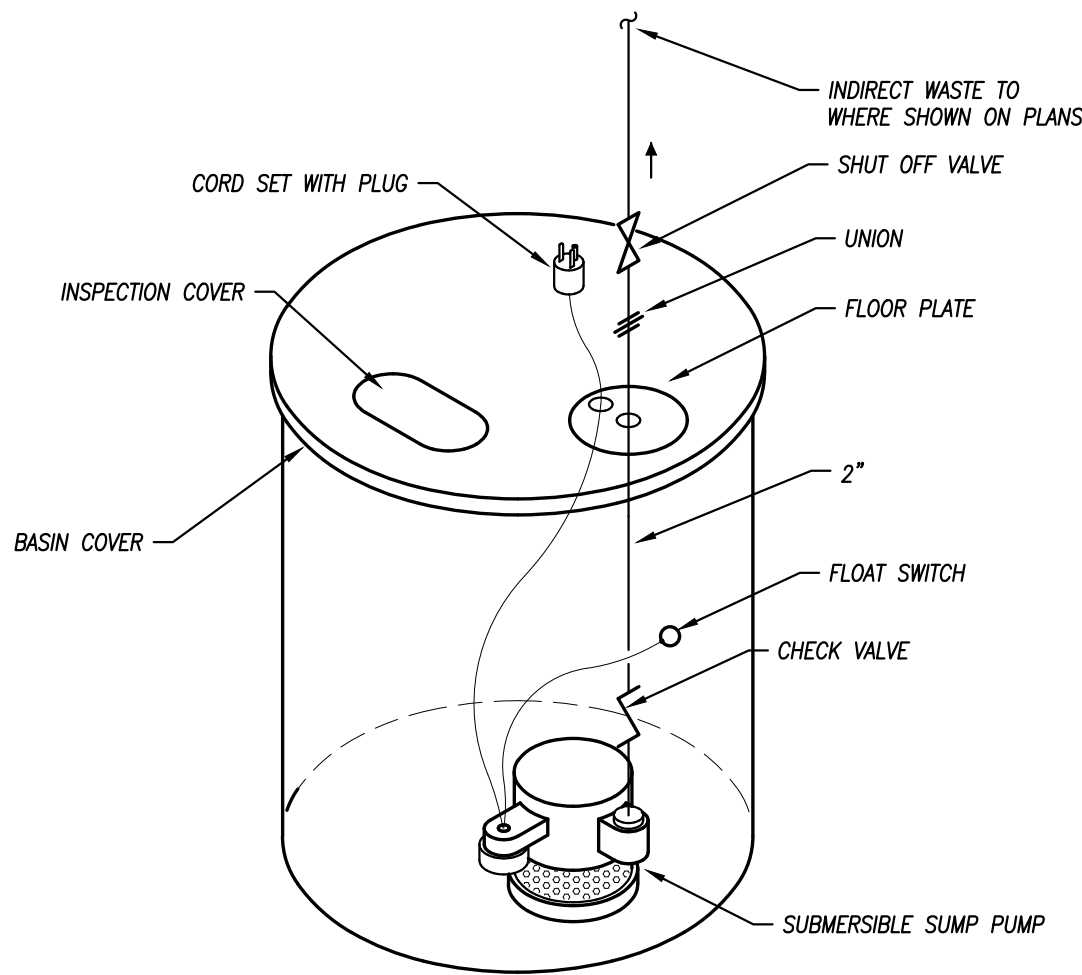
PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	TOP/GRATE SIZE	WASTE SIZE	REMARKS
FD-1	WADE	1100	FLOOR DRAIN	6"Ø	2"	1
FS-2	WADE	9100	FLOOR SINK	8"x8"	2"	1
TRENCH	ZURN	PERMA-TRENCH	TRENCH DRAIN	SEE PLAN	4"	----

REMARKS:
1. PROVIDE WITH NICKEL BRONZE TOP.



TRENCH DRAIN DETAILS

NO SCALE



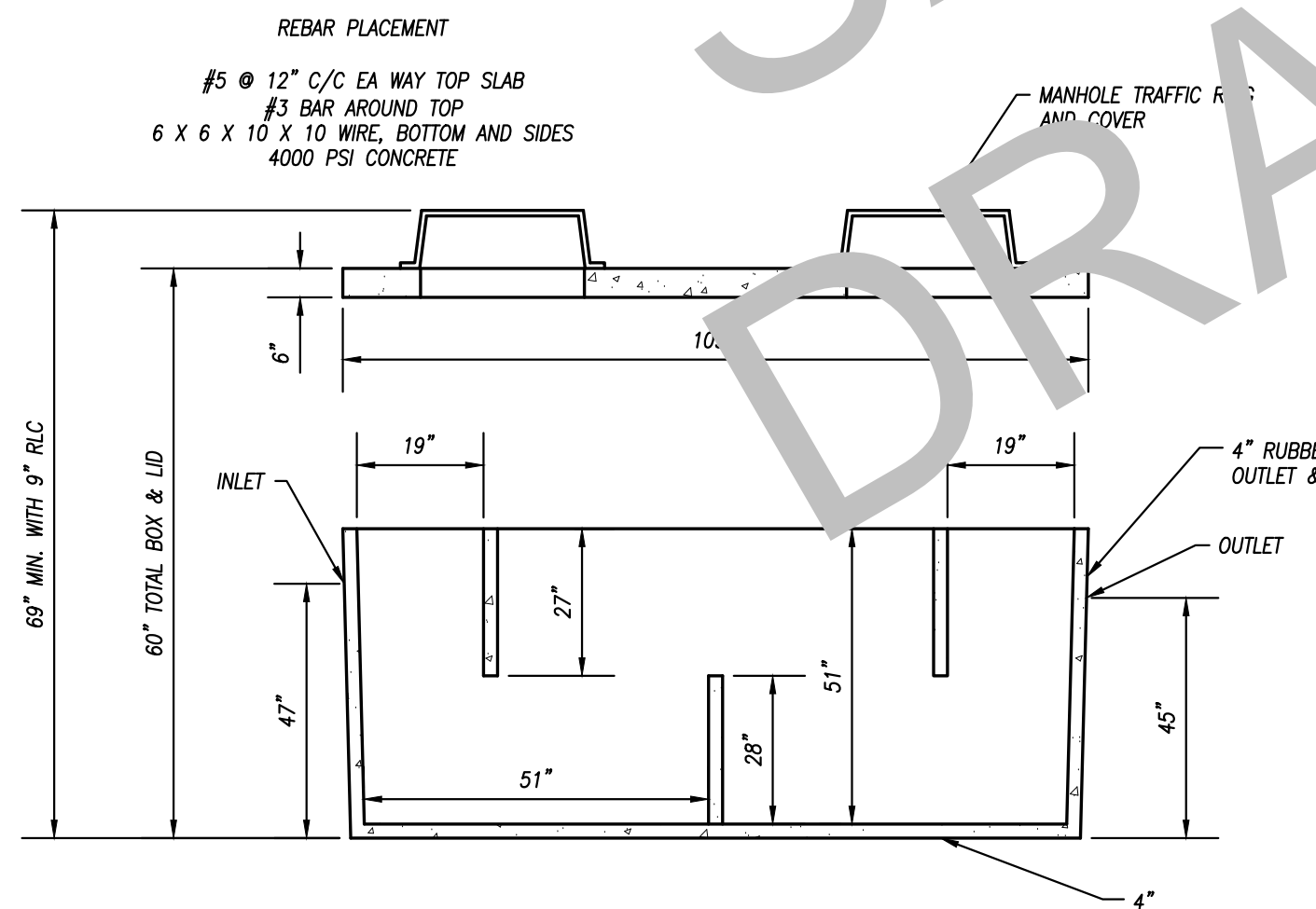
ELEVATOR SUMP PUMP AND PIT

NOT TO SCALE

ELEVATOR SUMP PUMP SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	GPM	HEAD FT. W.C.	ELECTRICAL CHARACTERISTICS	NOTES
ELEV. SUMP PUMP	LIBERTY	ELV280	50	15	1/2 HP, 120V.	1,2,3

- NOTES LEGEND:
1 - PROVIDE COMPLETE PACKAGED SUMP PUMP SYSTEM WHICH SHALL INCLUDE PUMP, OILTECTOR CONTROL AND REMOTE ALARM.
2 - PROVIDE WITH 24"Ø X 36" DEEP FIBERGLASS BASIN.
3 - REMOTE ALARM SHALL ACTIVATE IN THE EVENT OF A HIGH WATER CONDITION OR HIGH OIL CONDITION.



SAND AND OIL INTERCEPTOR DETAIL - 1000 GALLON

NOT TO SCALE

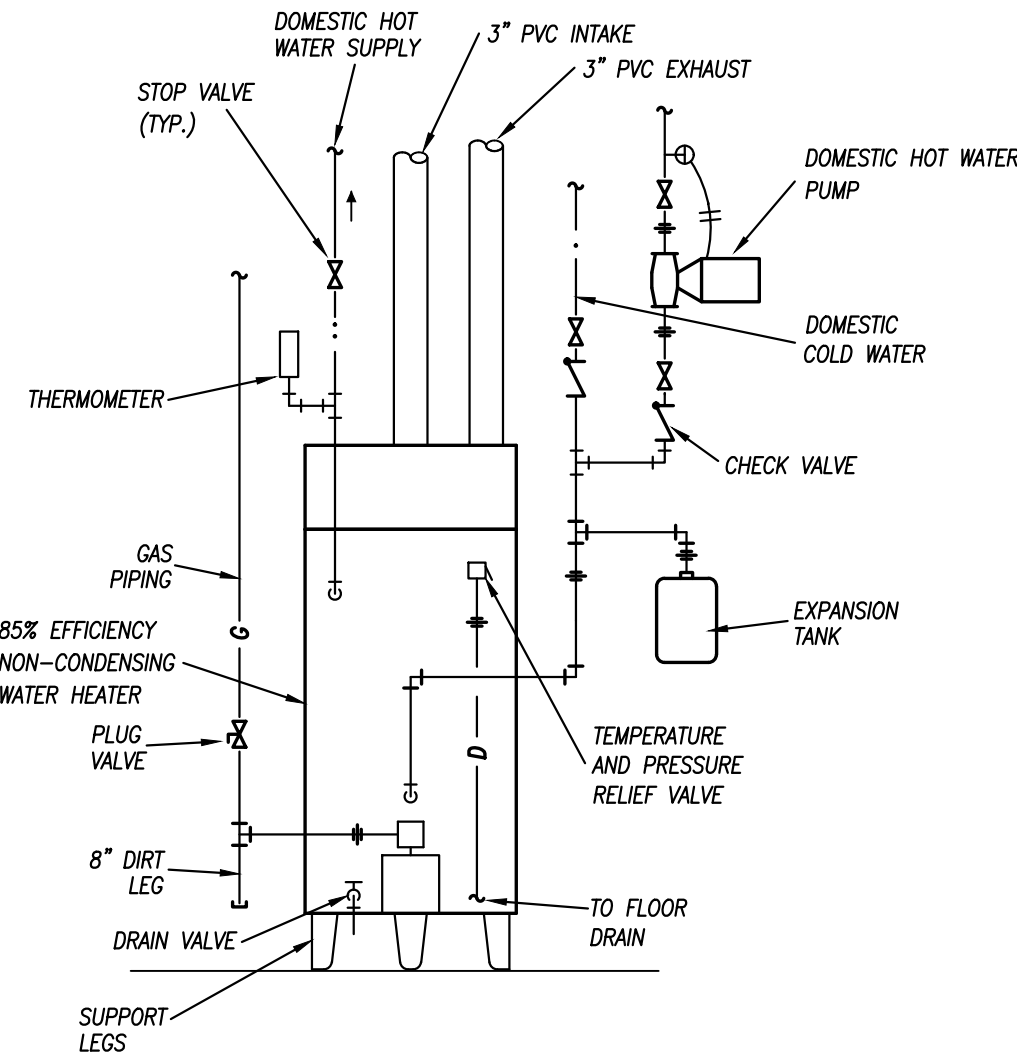
DOMESTIC WATER PUMP SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	GPM	HEAD W.C.	CHARACTERISTICS	MAX. RPM	NOTES
DHW RETURN	BELL & GOSSETT	PL-30B	----	----	1/12 HP, 120V	2850	1

- NOTES LEGEND:
1 - ALL BRONZE CONSTRUCTION WITH THERMOSTATIC CONTROL BY HOT WATER RETURN TEMP.

WATER HEATER DETAIL

NO SCALE



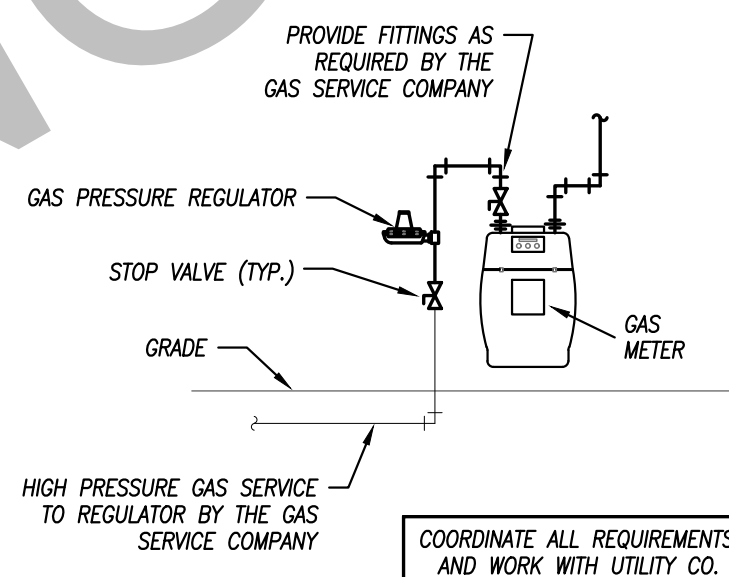
PLUMBING FIXTURE SCHEDULE

PLAN MARK	FIXTURE MODEL	FIXTURE DESCRIPTION	FITTINGS MODEL	FITTINGS DESCRIPTION	PIPE SIZES			
					WASTE	VENT	DCW	DHW
P-1	AMERICAN STANDARD 2234.015	WATER CLOSET: FLUSH VALVE, WHITE ELONGATED BOWL, FLOOR MOUNTED, 1.6 GALLON SPHON AT FLUSHING ACTION SEAT: WHITE, SOLID PLASTIC, OPEN FRONT, ELONGATED	SLOAN 111	EXPOSED WATER CLOSET FLUSH VALVE, CHROME PLATED 1.6 GALLON FLUSH, WITH WALL AND SPUD FLANGES MOUNT HANDLE AT 24" ABOVE FLOOR	4"	2"	1-1/4"	----
P-2	AMERICAN STANDARD 0355.012	ADA COMPLIANT LAVATORY: WHITE WALL HUNG LAVATORY 20"x18" WITH 4" BACK FAUCET HOLES ON 4" CENTERS, WITH CONCEALED ARM CARRIER, PROVIDE HANDLE STOP VALVES AND FLEXIBLE METAL WATER RISERS, MOUNT TOP OF RIM AT 34" ABOVE FLOOR	AMERICAN STANDARD 2175.504	FAUCET: 4" CENTERSET, CHROME FINISH WITH 4" METAL LEVER HANDLE, 1/2" CONNECTIONS, 1.5 GPM MAX FLOWRATE, CHROME PLATED BRASS GRID DRAIN, TALPIECE, AND P-TRAP INSULATE THE TALPIECE, P-TRAP, AND WATER RISERS	2"	2"	1/2"	1/2"
P-3	HALSEY-TAYLOR HTHB-HACRBLPV-NF	ADA COMPLIANT DUAL HEIGHT ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION: 8 GPM OF 50 DEGREE WATER WITH FRONT AND SIDE PUSHBARS, MOUNT WITH 27" Ø KNEE CLEARANCE, MOUNT ON CONCEALED ARM CARRIER	----	----	2"	2"	1/2"	----
P-4	ELKAY LR-2022	SINGLE COMPARTMENT SINK: SEAMLESS 18 GAUGE, TYPE 302 STAINLESS STEEL, SATIN FINISH WITH FULL UNDERCUT, HOLES 4" ON CENTERS, 1 1/2" BOWL DEPTH, SELF RIMMING, PROVIDE HANDLE STOP VALVES AND FLEXIBLE METAL WATER RISERS	AMERICAN STANDARD 7500.140	CENTERSET GOOSENECK FAUCET WITH METAL LEVER HANDLES, 1/2" CONNECTIONS, POLISHED CHROME FINISH WITH BASKET STRAINER AND DRAIN, CHROME PLATED BRASS TALPIECE AND P-TRAP, INSULATE THE TALPIECE, P-TRAP, AND WATER RISERS	2"	2"	1/2"	1/2"
P-5	ELKAY LR-1321	DOUBLE COMPARTMENT SINK: SEAMLESS 18 GAUGE, TYPE 302 STAINLESS STEEL, SATIN FINISH WITH FULL UNDERCUT, SINGLE HOLE, 8" BOWL DEPTH, SELF RIMMING, PROVIDE HANDLE STOP VALVES AND FLEXIBLE METAL WATER RISERS	AMERICAN STANDARD 4332.300	CAST BRASS FLEXIBLE GOOSENECK KITCHEN FAUCET WITH SINGLE METAL LEVER HANDLE, 1/2" CONNECTIONS, POLISHED CHROME FINISH, SINGLE HOLD, PROVIDE CHROME PLATED BRASS BASKET STRAINER, DRAIN, TALPIECE, AND P-TRAP	2"	2"	1/2"	1/2"
P-6	FIAT M830-2424	JANITORS SINK: WHITE 24"x24"x10" ONE PIECE MOLDED STONE MOP BASIN, WITH STAINLESS STEEL DRAIN BODY WITH 3" WASTE WITH STAINLESS STEEL WALL GUARDS	FIAT 830-AA	CHROME PLATED BRASS WALL MOUNTED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAUL HOOK, 3/4" HOSE THREAD SPOUT, INDEXED HANDLES, WITH 5 FOOT HOSE AND BRACKET, MOP HANGER AND HOSE RACK	3"	2"	1/2"	1/2"
P-7	FIAT L-1	LAUNDRY TUB: WHITE 25"x21" 1/2"x11" DEEP, WALL MOUNTED, 20 GALLON TUB WITH CONCEALED ARM CARRIER AND SUPPORTS PROVIDE HANDLE STOP VALVES AND FLEXIBLE METAL WATER RISERS	FIAT A-1	BRASS FAUCET WITH SWING SPOUT, MOUNT ON REAR DECK OF TUB PROVIDE CHROME PLATED BRASS GRID DRAIN, TALPIECE, AND P-TRAP	2"	2"	1/2"	1/2"
P-8	NOT USED	----	----	----	----	----	----	----
P-9	BRADLEY S19-224	EYE/FACE WASH UNIT WITH FACE SPRAY RING AND STAINLESS STEEL BOWL - BARRIER FREE MODEL -	BRADLEY S19-2100	NAVIGATOR EPX25 - EMERGENCY THERMOSTATIC MIXING VALVE	2"	2"	3/4"	3/4"
P-10	ELKAY RWSF 83344	TRIPLE COMPARTMENT SULLERY SINK: #16 GAUGE, TYPE 304, NICKEL BEARING STAINLESS STEEL, COMPARTMENT 18"x24"x12.75" DEEP, SEAMLESS DRAWN 1 3/4" RADIUS COVER CORNER CONSTRUCTION, FULL LENGTH 8" HIGH BACKSPLASH WITH 45 DEGREE SLOPED TOP, FOUR ADJUSTABLE SUPPORT LEGS	AMERICAN STANDARD 7298.152 (2) REQUIRED	WALL MOUNTED SINK FAUCET: 8" SWIVEL SPOUT, CHROME PLATED BRASS CONSTRUCTION AND WASHERS/LESS CERAMIC DISC VALVE CARTRIDGES	2"	2"	1/2"	1/2"
P-11	FIAT M830-3624	ANIMAL WASH SINK: WHITE 36"x24"x10" ONE PIECE MOLDED STONE WASH BASIN, WITH STAINLESS STEEL DRAIN BODY WITH 3" WASTE WITH 12" HIGH STAINLESS STEEL WALL GUARDS	FIAT 830-AA	CHROME PLATED BRASS WALL MOUNTED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, 3/4" HOSE THREAD SPOUT, INDEXED HANDLES, WITH 10 FOOT HOSE AND BRACKET, HANGER, HOSE RACK, AND HAND HELD SPRAY NOZZLE	3"	2"	1/2"	1/2"

WATER HEATER SCHEDULE

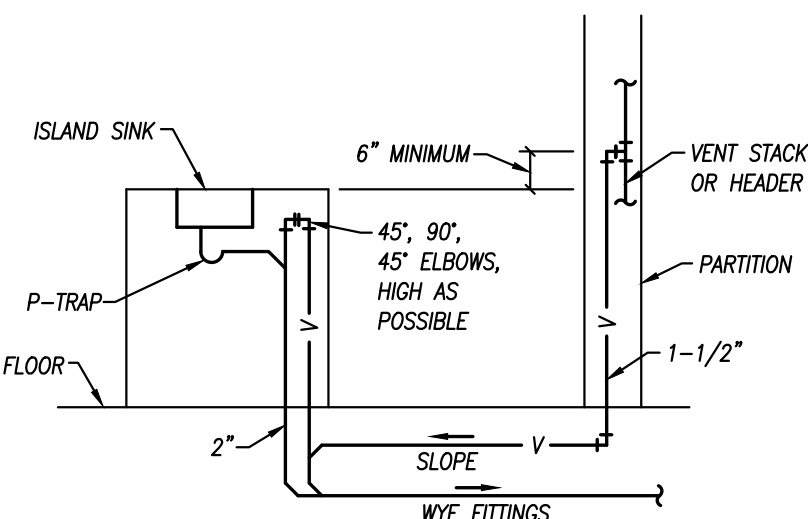
PLAN MARK	MANUFACTURER	MODEL NUMBER	GALLONS	CAPACITY	ELECTRICAL	NOTES
WATER HEATER-1	STATE	CS6 50 YRPOT 5	50	65,000 BTUH	120V, 1PH, 20AMP	1,2

- NOTES LEGEND:
1 - PROVIDE MOUNTING LEGS
3 - PROVIDE CONCENTRIC VENT KIT.



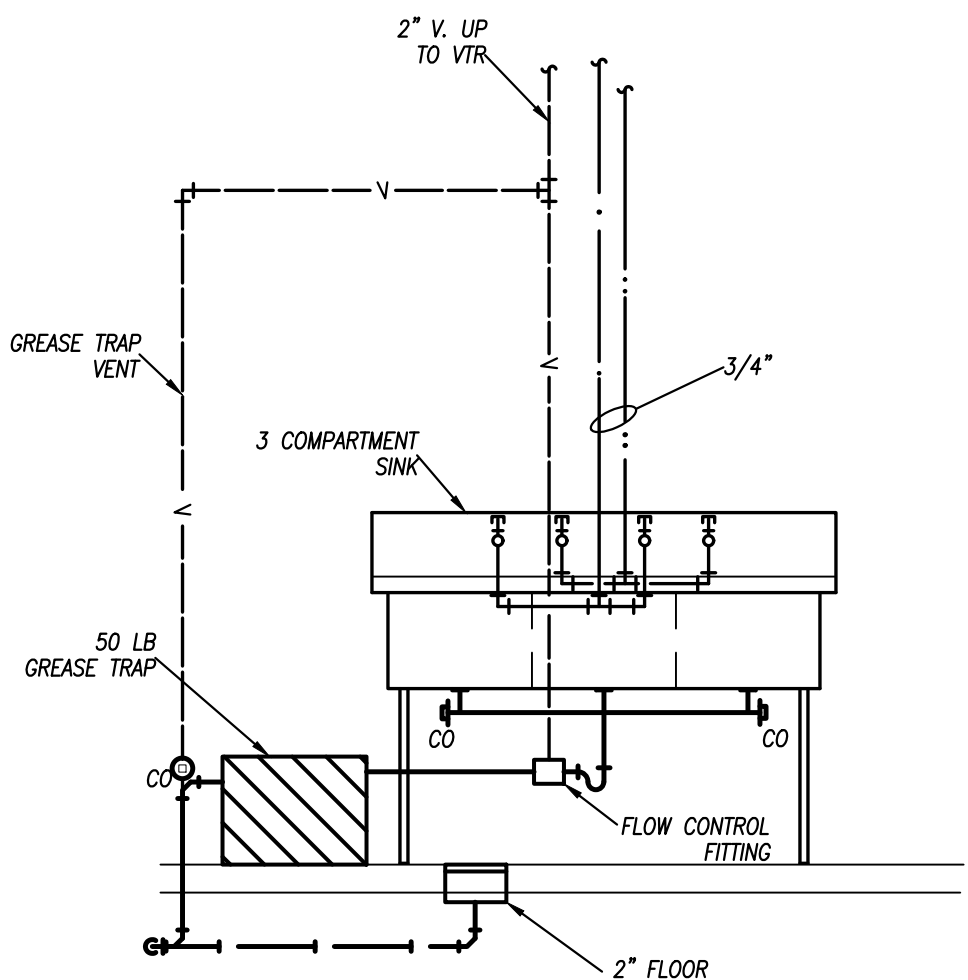
GAS SERVICE DETAIL

NOT TO SCALE



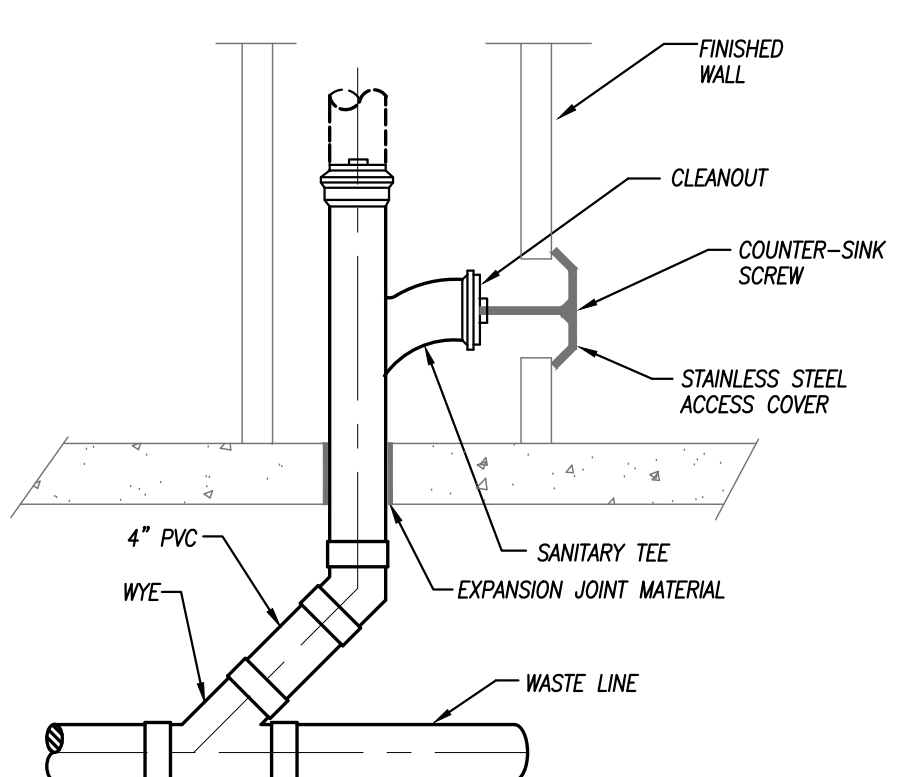
ISLAND SINK VENTING DETAIL

NOT TO SCALE



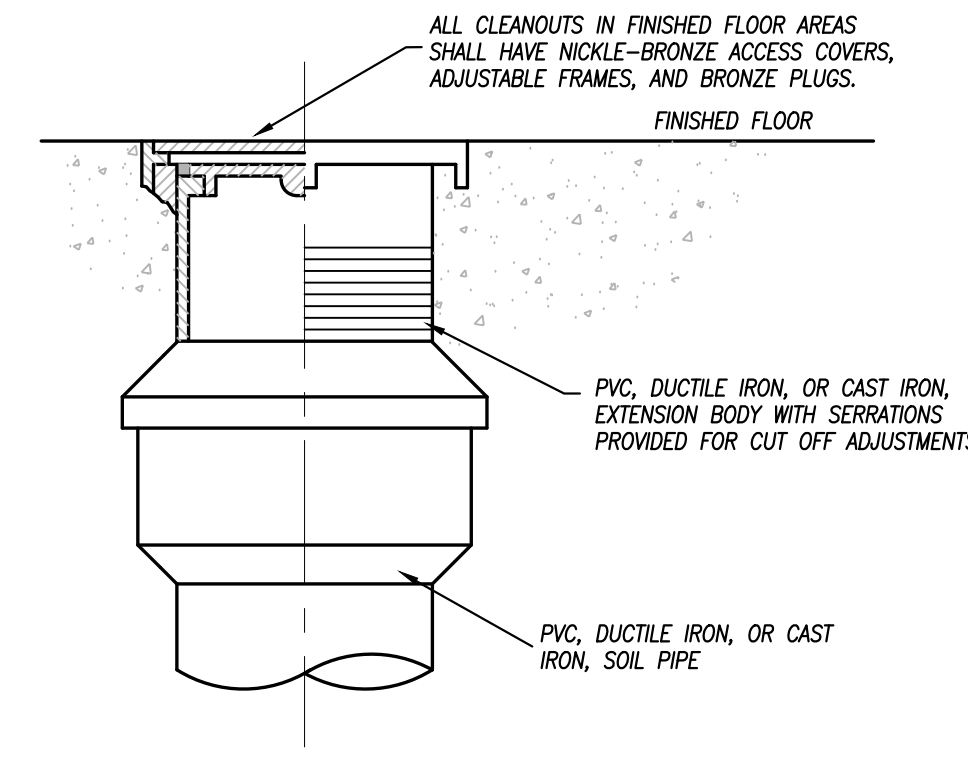
3-COMPARTMENT SINK DETAIL

NO SCALE



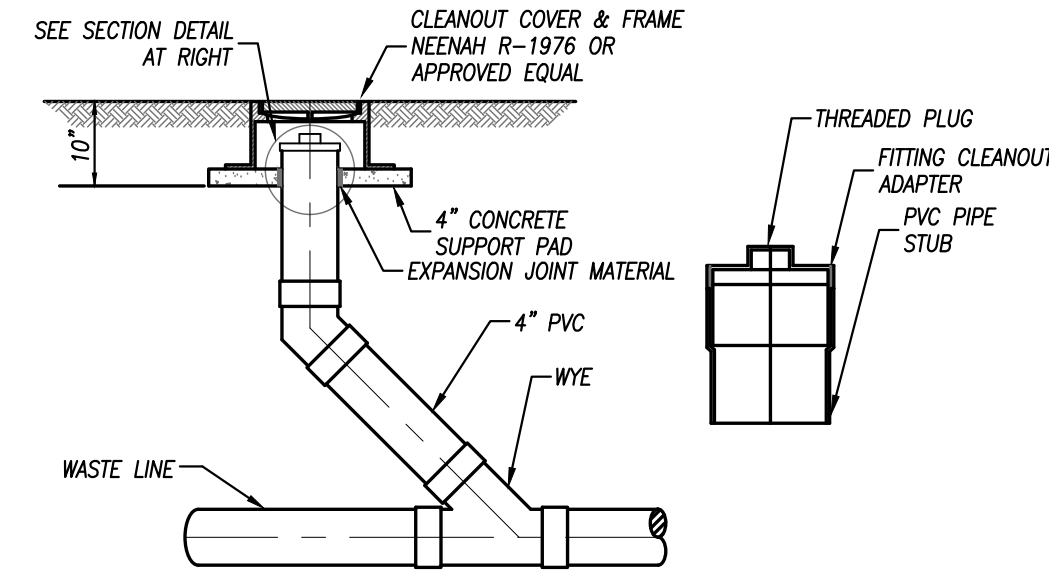
WALL CLEAN OUT DETAIL

NO SCALE



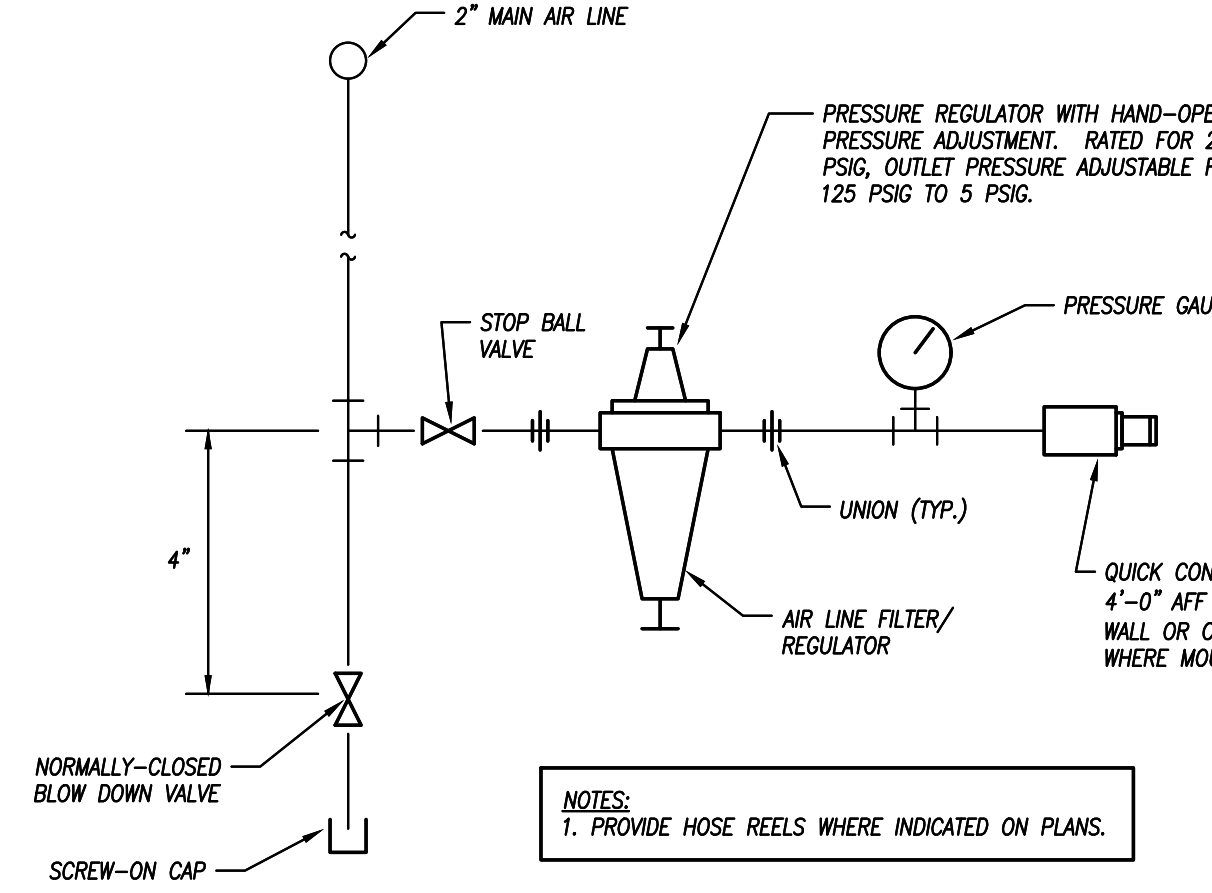
FLUSH FLOOR CLEAN OUT DETAIL

NO SCALE



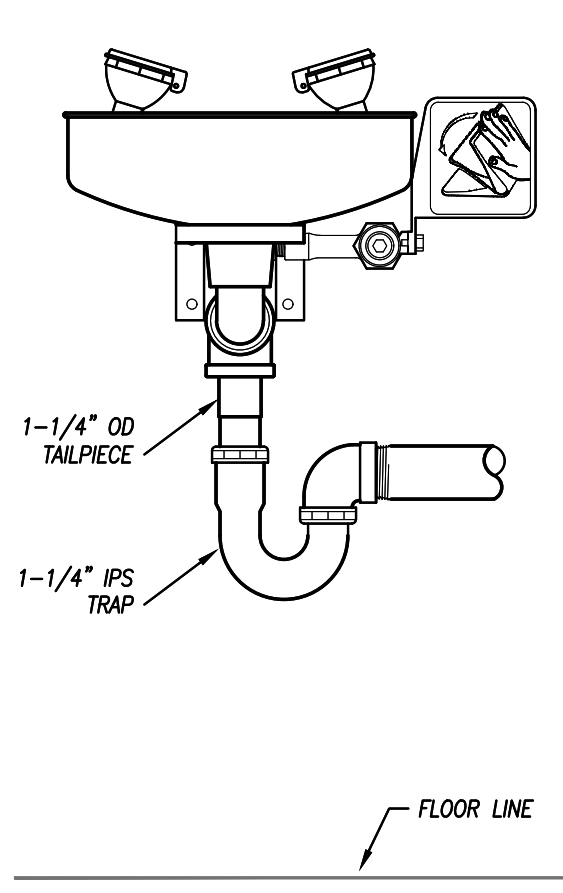
FLUSH GRADE CLEAN OUT DETAIL

NO SCALE



TYPICAL COMPRESSED AIR DROP

NOT TO SCALE



ACCESSIBLE EYE WASH

NOT TO SCALE

SHEET NUMBER:

M102

DUCTWORK INSULATION SCHEDULE							
		DUCT		INSULATION			
PURPOSE	DUTY	LOCATION	STYLE	MATERIAL	APPLICATION	THICKNESS	NOTES
SUPPLY	LOW PRESSURE/VELOCITY	CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	----
		CONCEALED	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	----
		EXPOSED	RECTANGULAR	FIBERGLASS	LINED	1/2"	----
		EXPOSED	ROUND	DOUBLE WALL INSULATED FIBERGLASS	DOUBLE WALL DUCT	1/2"	----
RETURN	LOW PRESSURE/VELOCITY	EXTERIOR	ALL	FLEXIBLE ELASTOMERIC	WRAPPED	2"	----
		CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	----
		CONCEALED	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	----
		EXPOSED	RECTANGULAR	FIBERGLASS	LINED	1/2"	----
EXHAUST	LOW PRESSURE/VELOCITY	EXPOSED	ROUND	DOUBLE WALL INSULATED FIBERGLASS	DOUBLE WALL DUCT	1/2"	----
		RETURN/TRANSFER BOOT	RECTANGULAR	FIBERGLASS	LINED	1/2"	----
		EXTERIOR	ALL	FLEXIBLE ELASTOMERIC	WRAPPED	2"	----
		CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	----
OUTSIDE AIR	ALL	CONCEALED	ROUND	FIBERGLASS	LINED	1/2"	2
		CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	----
		EXPOSED	ROUND	FIBERGLASS	LINED	1/2"	2
		CONCEALED OR MECH. SPACE	RECTANGULAR	MINERAL FIBER	WRAPPED	1-1/2"	----
		CONCEALED OR MECH. SPACE	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	----
		EXPOSED (NON MECH SPACE)	RECTANGULAR	RIGID FIBERGLASS BD.	WRAPPED	1"	3
		EXPOSED (NON MECH SPACE)	ROUND	RIGID FIBERGLASS BD.	WRAPPED	1"	3
NOTES:							
1. IN ADDITION TO OTHER SCHEDULED INSULATION.							
2. PROVIDE LINER ONLY WITHIN 10' OF FAN FOR ACOUSTICS.							
3. THICKNESS SHALL ENCAPSULATE DUCT CONSTRUCTION.							
4. INSTALL FROM UNIT DISCHARGE TO FIRST DUCT ELBOW, THEN 10' FURTHER. NOT REQUIRED INSIDE CHASES OR MECHANICAL ROOMS, BUT SHALL BE INSTALLED ON REMAINING DUCTWORK WHEN 10' DIMENSION FALLS OUTSIDE ROOM.							
GENERAL REMARKS (APPLICABLE TO ALL TYPES):							
1) ALL DUCTWORK, INSULATION AND MATERIALS IN PLenums MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.							
2) ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2010 REQUIREMENTS AT A MINIMUM.							
3) REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION FOR INSULATION PRODUCTS AND SYSTEMS.							

HVAC CONTROLS NOTES:

- HVAC CONTROLS WILL BE BY THE OWNERS CONTROL VENDOR THERMAL COMFORT AIR. THIS COMPANY IS BIDDING THE CONTROLS ONLY. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE ALL THEIR WORK WITH THEM

FURNACE SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	CABINET WIDTH	TOTAL CFM	OUTDOOR AIR CFM	STATIC PRESSURE	MOTOR HP/HP EFF	HEAT INPUT BTUH	HEAT OUTPUT BTUH	FLUE OUTLET	COMBUSTION AIR INLET	EVAPORATOR MODEL	COOLING CAPACITY	ENTERING AIR DRY/WET	LEAVING AIR DRY/WET	ELECTRICAL	FILTER	NOTES
F-1	TRANE	T U/D X1 D120A 9H-90X	25"	1980	230	0.7"	1 HP/ECM	120	108	3"	3"	4TXC 064E	5 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1
F-2	TRANE	T U/D X1 C100A 9H-90X	21"	1400	160	0.7"	3/4 HP/ECM	100	90	3"	2"	4TXC 048C	4 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1
F-3	TRANE	T U/D X1 C100A 9H-90X	21"	1600	180	0.7"	3/4 HP/ECM	100	90	3"	2"	4TXC 048C	4 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1
F-4	TRANE	T U/D X1 D120A 9H-90X	25"	1980	230	0.7"	1 HP/ECM	120	108	3"	3"	4TXC 064E	5 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1
F-5	TRANE	T U/D X1 D120A 9H-90X	25"	1980	230	0.7"	1 HP/ECM	120	108	3"	3"	4TXC 064E	5 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1

- NOTES LEGEND
- CONNECT TO EXISTING CAMPUS CONTROLS SYSTEM

CONDENSING UNIT SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	NOMINAL SIZE	SENSIBLE MBH	TOTAL MBH	AMBIENT	SUCTION	LIQUID	COMPRESSORS	ELECTRICAL	MOCP AMPS	MIN CIRCUIT AMPS	DISCONNECT	NOTES
CU-1	TRANE	4TTA060	5 TONS	43.3	56.9	100	7/8"	3/8"	1	208/240V, 3PH.	35	21	YES	1,2,3
CU-5	TRANE	4TTA048	4 TONS	33.8	43.6	100	7/8"	3/8"	1	208/240V, 3PH.	30	18	YES	1,2,3
CU-3	TRANE	4TTA048	4 TONS	34.2	44.1	100	7/8"	3/8"	1	208/240V, 3PH.	30	18	YES	1,2,3
CU-4	TRANE	4TTA060	5 TONS	43.3	56.9	100	7/8"	3/8"	1	208/240V, 3PH.	35	21	YES	1,2,3
CU-5	TRANE	4TTA060	5 TONS	43.3	56.9	100	7/8"	3/8"	1	208/240V, 3PH.	35	21	YES	1,2,3

- NOTES LEGEND
- PROVIDE TXV VALVE, SERVICE VALVES, AND REFRIGERANT ACCUMULATOR AT SUCTION LINE
 - PROVIDE COIL HAIL GUARDS
 - VERIFY EXACT REFRIGERANT LINE SIZES WITH MANUFACTURER

EXHAUST FAN SCHEDULE

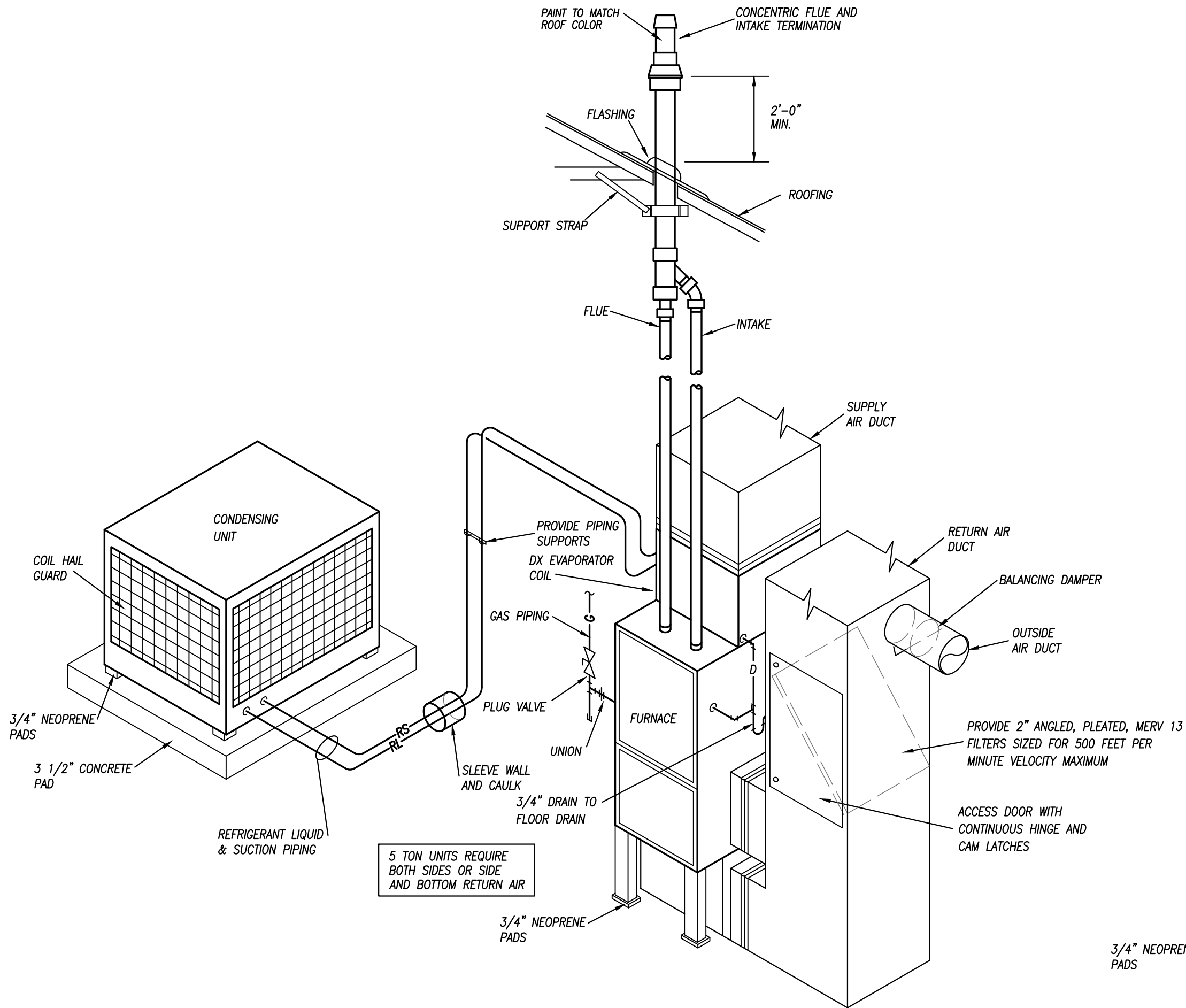
PLAN MARK	MANUFACTURER	MODEL NUMBER	MOUNTING	SERVICE	CFM	STATIC PRESSURE	ELECTRICAL	DRIVE	DISCONNECT	DAMPER	NOTES
EF-1	GREENHECK	SP-890	CEILING	EXHAUST	75	1/4"	50 WATTS, 120V, 1 PH.	DIRECT	YES	BACKDRAFT	4
EF-2	GREENHECK	CUBE-300	ROOF	EXHAUST	9,600	1/4"	2 HP, 208V, 1 PH.	BELT	YES	MOTORIZED	1,2
EF-3	GREENHECK	QB-081	ROOF	EXHAUST	600	1/4"	1/8 HP, 120V, 1 PH.	BELT	YES	MOTORIZED	1,2
EF-4	NOT USED										
EF-5	GREENHECK	SP-A700	CEILING	EXHAUST	600	1/4"	350 WATTS, 120V, 1 PH.	DIRECT	YES	BACKDRAFT	1,5
EF-6	GREENHECK	SP-B150	CEILING	EXHAUST	150	1/4"	129 WATTS, 120V, 1 PH.	DIRECT	YES	BACKDRAFT	3

- NOTES LEGEND
- PROVIDE SPEED CONTROL
 - PROVIDE ROOF CURB AND BIRD SCREEN
 - PROVIDE WALL MOUNTED EXHAUST FAN, HOUSING, OSHA GUARD, SLEEVE, MOTORIZED DAMPER, AND DAMPER GUARD
 - PROVIDE PITCHED ROOF CAP MODEL RJ-4X9 WITH BUILT IN BIRDSCREEN AND BACKDRAFT DAMPER
 - PROVIDE WITH WALL DISCHARGE HOODED WALL CAP MODEL WOC-15X9 WITH BUILT IN BIRDSCREEN AND BACK DRAFT DAMPER

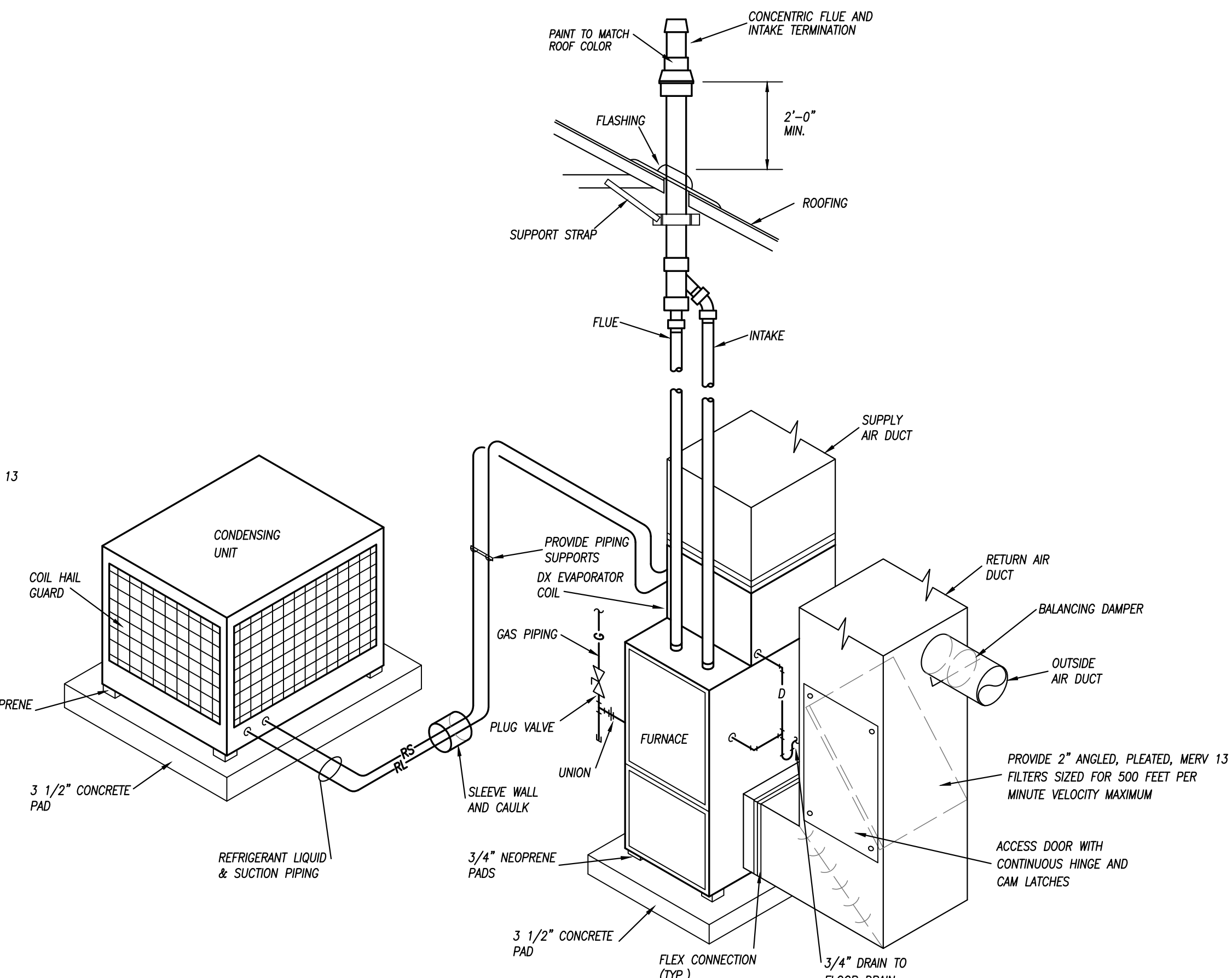
GRILLE, REGISTER & DIFFUSER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	MOUNT TYPE	VOLUME DAMPER	MATERIAL	MATERIAL COLOR	NOTES
A	PRICE	520-D	SUPPLY	FLANGE	YES	STEEL	WHITE	
B	NOT USED							
C	NOT USED							
D	PRICE	535	RETURN/EXHAUST	FLANGE	NO	STEEL	WHITE	1

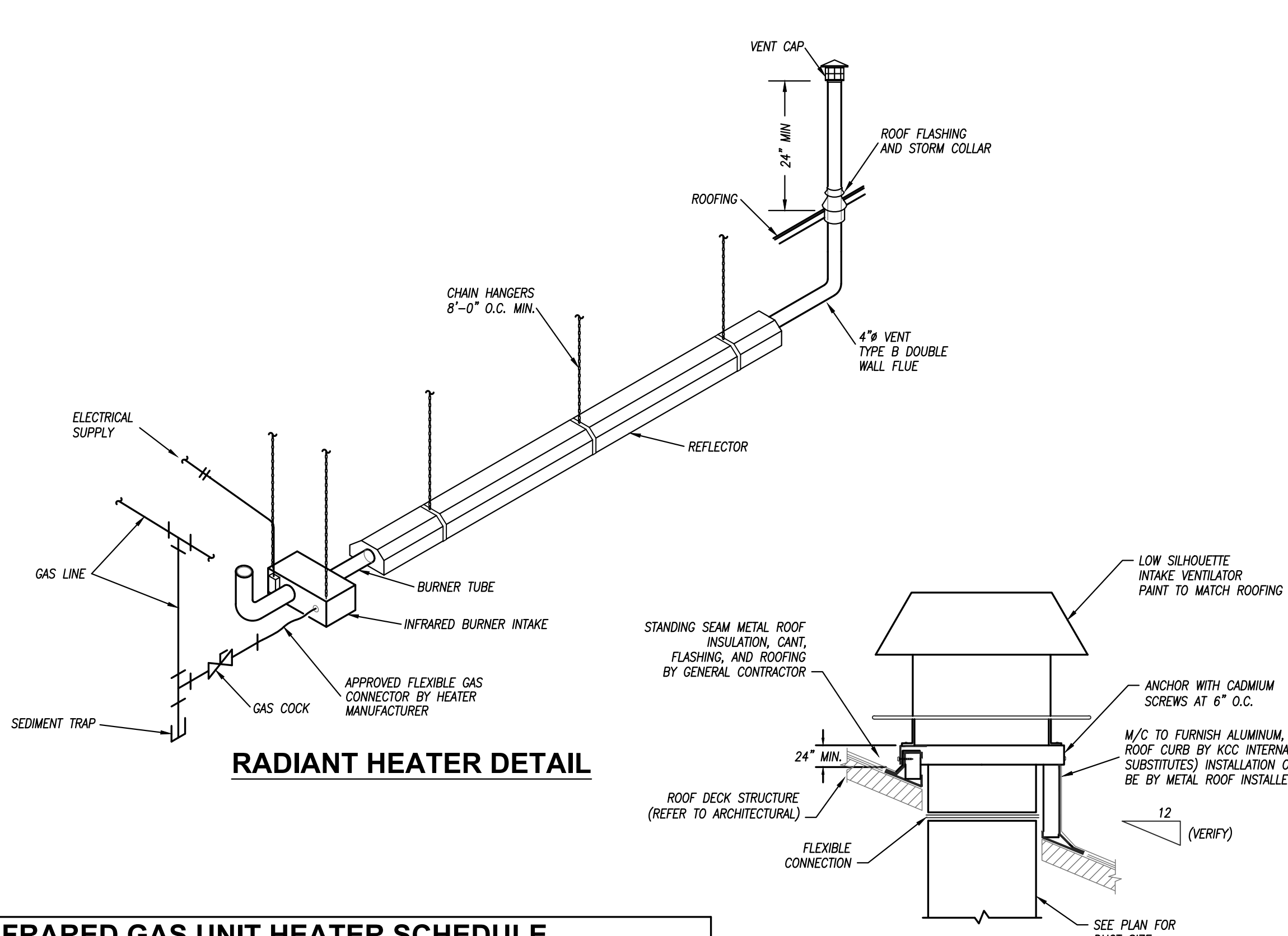
- NOTES LEGEND
- PROVIDE FIRE RADIATION DAMPER AT GYPBOARD CEILING.



FURNACE AND CONDENSING UNIT DETAIL
NO SCALE



FURNACE AND CONDENSING UNIT DETAIL
NO SCALE



RADIANT HEATER DETAIL

INFRARED GAS UNIT HEATER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	CAPACITY (BTUH)	ELECTRICAL	NOTES
IRH-1	DETROIT RADIANT	DET3-50-200	200,000	120 V, 1 PH, 20 AMP	1
IRH-2	DETROIT RADIANT	DET3-50-200	200,000	120 V, 1 PH, 20 AMP	1

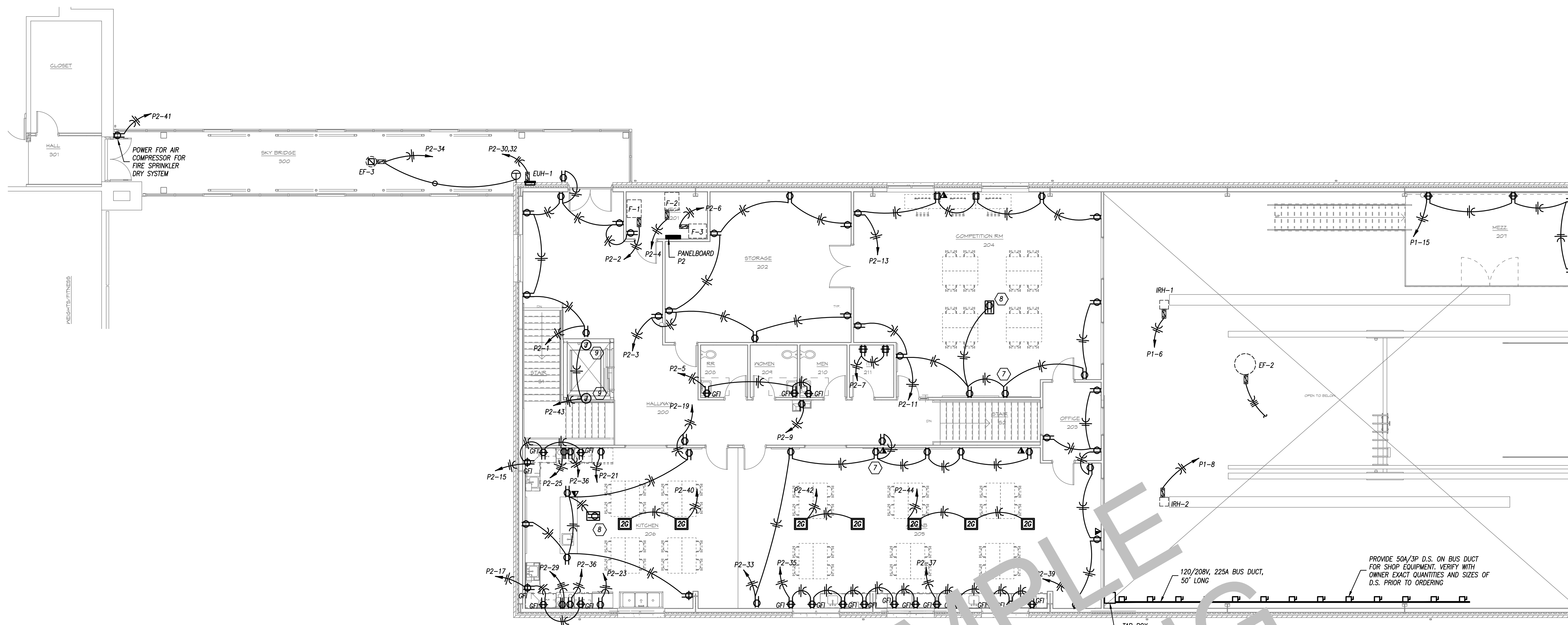
- NOTES LEGEND
- PROVIDE ADJUSTABLE THERMOSTAT AND DISCONNECT SWITCH

O/A INTAKE DETAIL

NOT TO SCALE

SHEET NUMBER:

M202



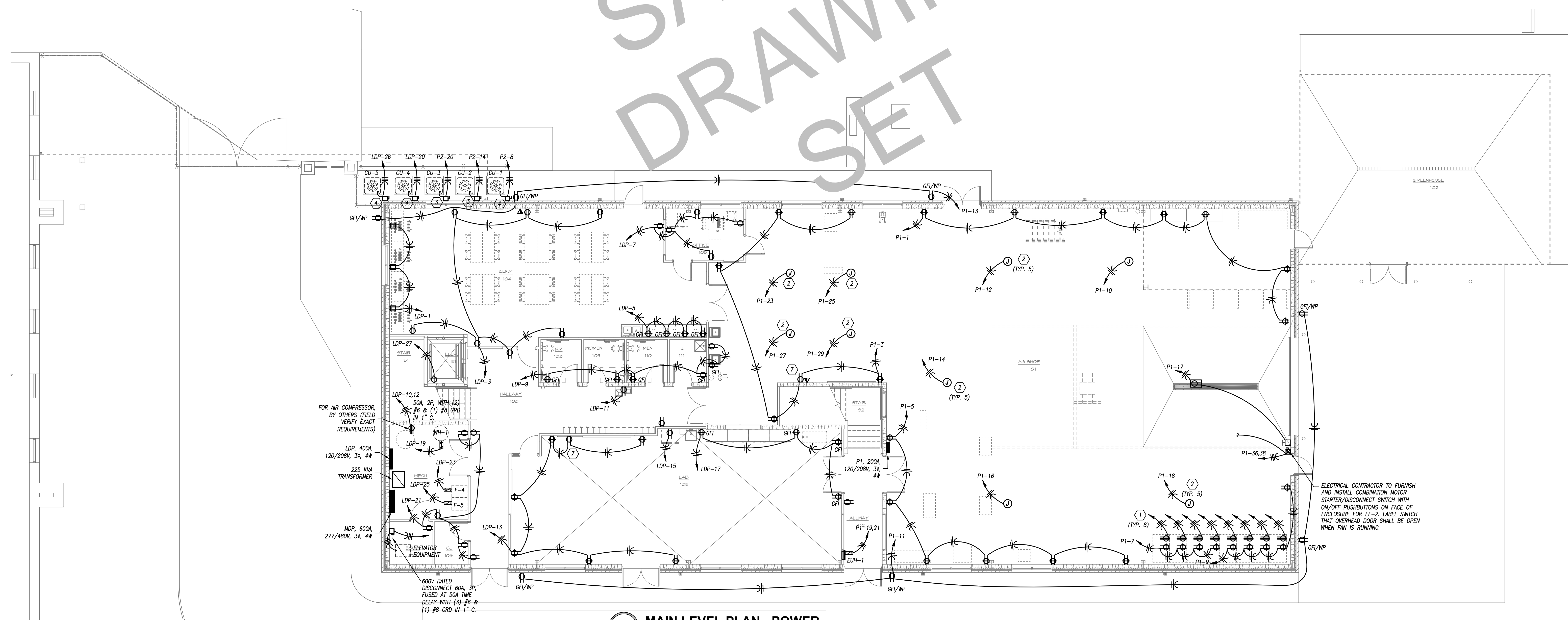
UPPER LEVEL PLAN - POWER
1/8" = 1'-0"

ELECTRIC NOTES:

1. FIELD VERIFY THE EXACT LOCATION OF ALL RECEPTACLES AND PHONE/DATA OUTLETS WITH THE OWNER.
2. ALL WIRING, EQUIPMENT, AND LIGHTING IN THE SERVICE AREA SHALL BE OVERHEAD AND KEPT ABOVE 48" AFF. AND BELOW 18" BELOW THE CEILING.
3. ALL WIRING AND EQUIPMENT IN THE CLASSROOM AREA SHALL BE OVERHEAD AND KEPT ABOVE 18" AFF.
4. NO CIRCUITING IS ALLOWED IN THE SLAB.
5. FIELD VERIFY THE EXACT ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT PROVIDED BY OTHERS.

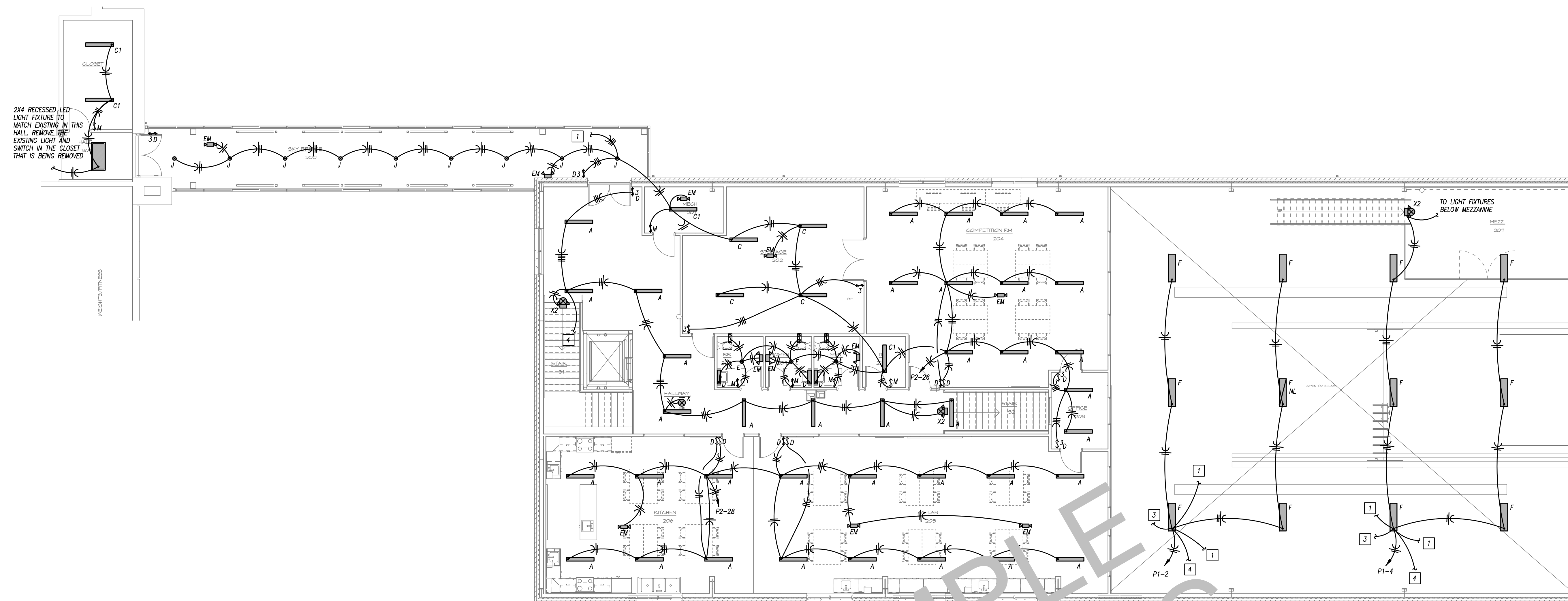
POWER PLAN KEYED NOTES

1. CIRCUIT WELDER TO BUS DUCT
2. RETRACTABLE CORD REEL WITH QUAD RECEPTACLE, VERIFY EXACT LOCATIONS. MAINTAIN REQUIRED CLEARANCES FOR RADIANT HEATERS.
3. 30 A, 3P, WP, D.S., FUSED AT 30 A, WITH (3) #10 AND (1) #10 GRD, IN 3/4" C.
4. 60 A, 3P, WP, D.S., FUSED AT 35 A, WITH (3) #8 AND (1) #10 GRD, IN 3/4" C.
5. 30 A, 3P, WP, D.S., FUSED AT 20 A, WITH (3) #12 AND (1) #12 GRD, IN 3/4" C. INTERLOCK DOAS-1 WITH EF-4.
6. ROUTE THRU CONTROLLER/CONDUCTOR
7. VERIFY MOUNTING HEIGHT FOR POWER AND DATA FOR MONITOR WITH ARCHITECT.
8. FOR PROJECTOR, VERIFY EXACT LOCATION WITH OWNER.
9. POWER FOR EXTERIOR CLOCK ON CLOCK TOWER. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER.



MAIN LEVEL PLAN - POWER
1/8" = 1'-0"

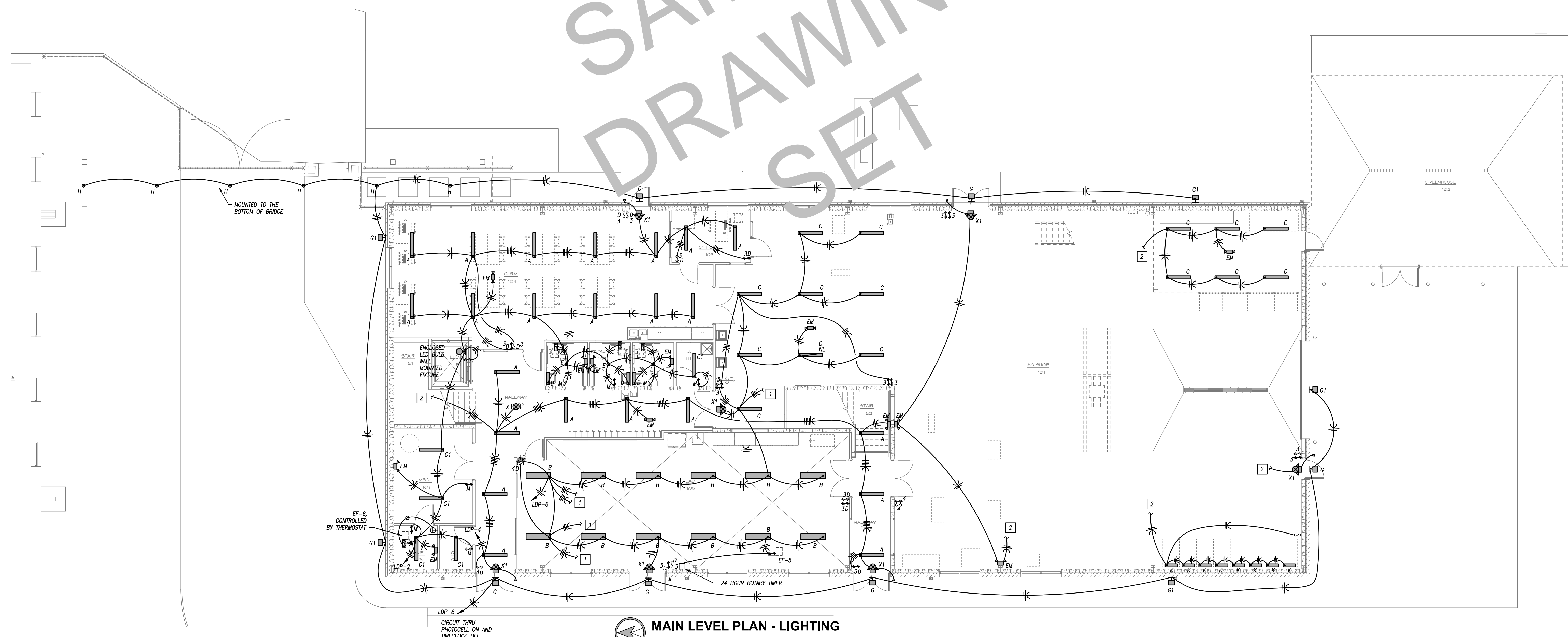
ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL COMBINATION MOTOR STARTER/DISCONNECT SWITCH WITH ON/OFF PUSHBUTTONS ON FACE OF ENCLOSURE FOR EF-2. LABEL SWITCH THAT OVERHEAD DOOR SHALL BE OPEN WHEN FAN IS RUNNING.



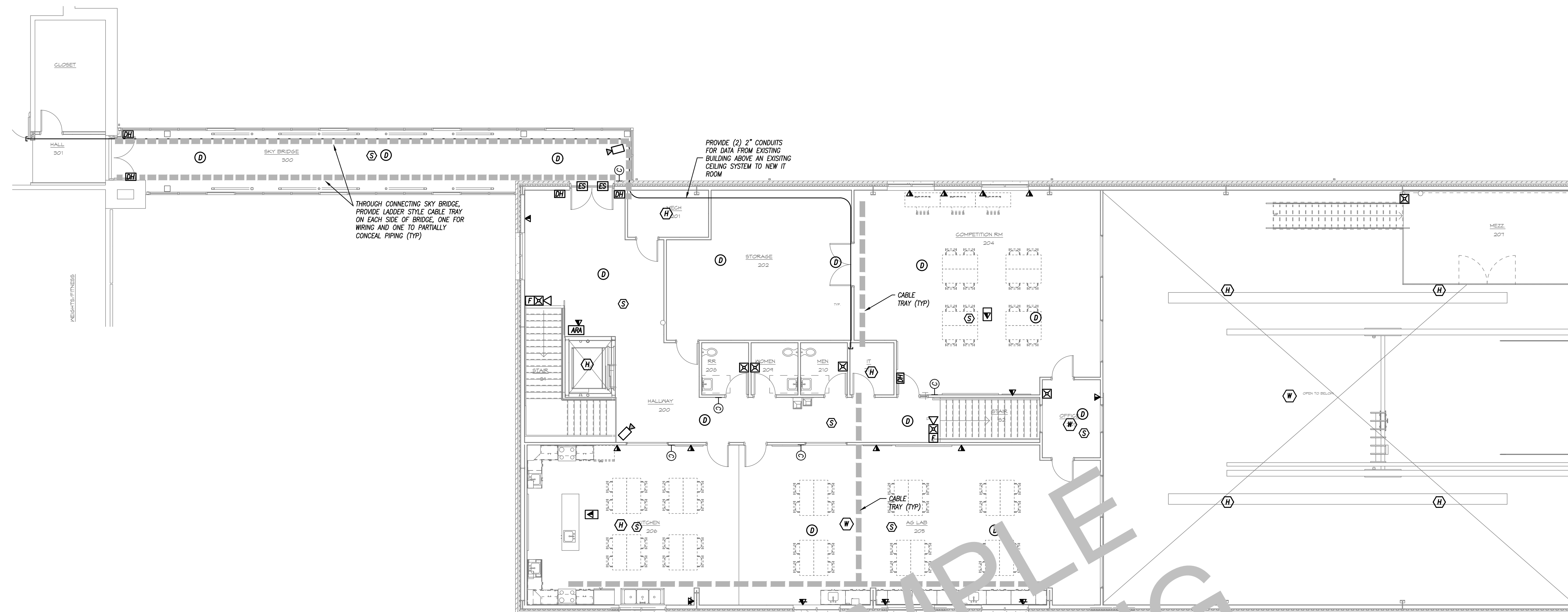
- ELECTRIC NOTES:**
1. FIELD VERIFY THE EXACT LOCATION OF ALL SWITCHES AND FAN CONTROLS WITH THE OWNER.
 2. FIELD VERIFY THE EXACT ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT PROVIDED BY OTHERS.

- LIGHTING PLAN KEYED NOTES**
- 1 TO 3-WAY SWITCH
 - 2 TO CIRCUIT ABOVE
 - 3 TO 4-WAY SWITCH
 - 4 TO LIGHTS BELOW

UPPER LEVEL PLAN - LIGHTING
1/8" = 1'-0"

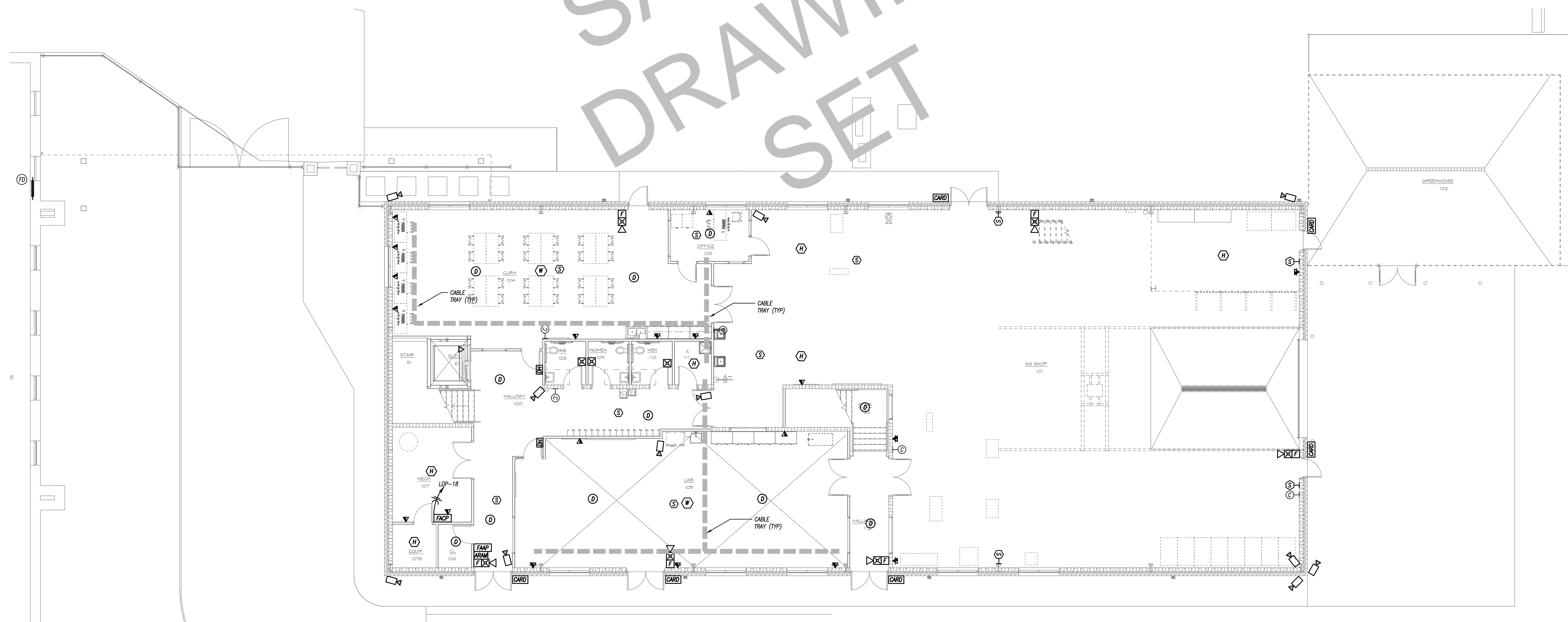


MAIN LEVEL PLAN - LIGHTING
1/8" = 1'-0"

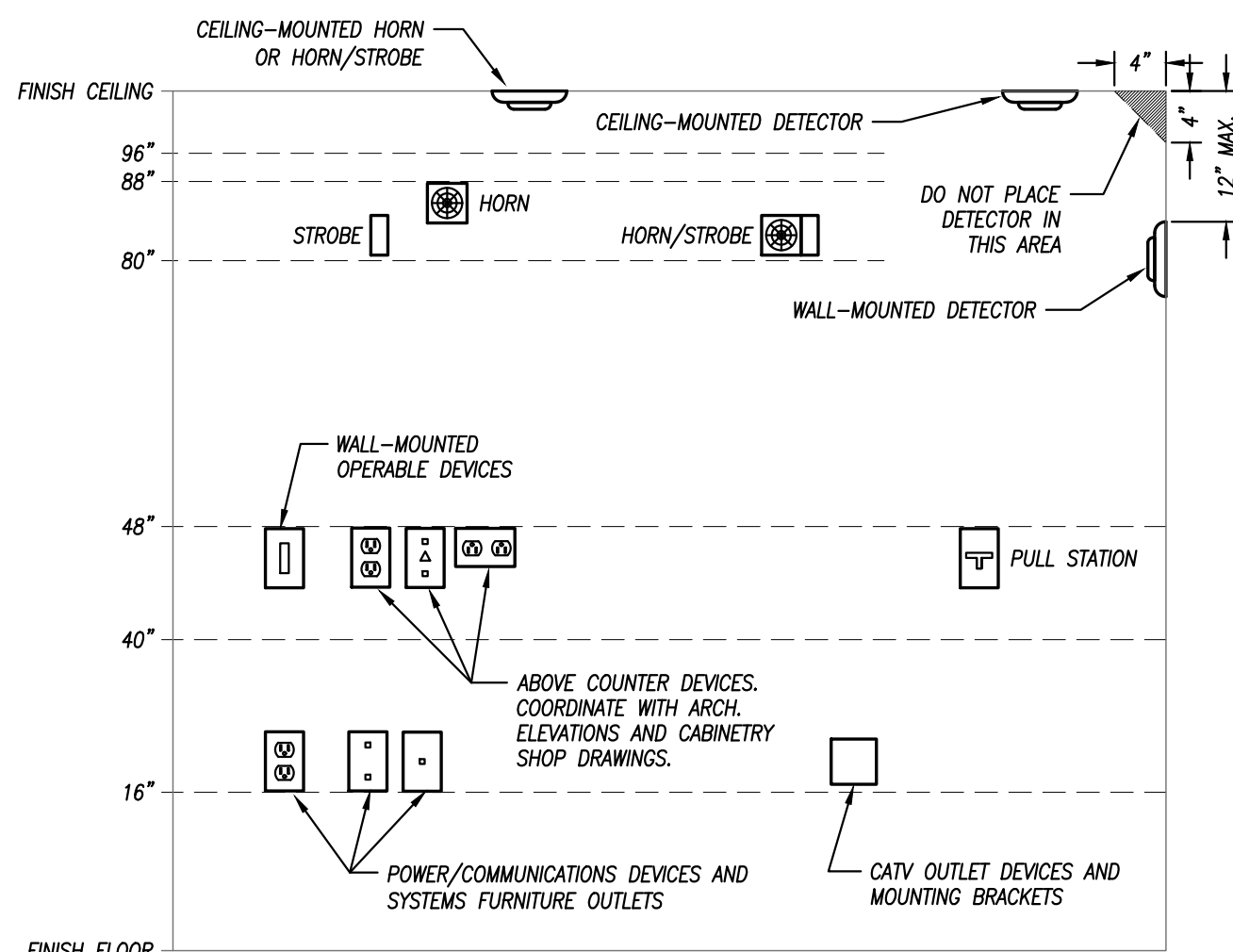
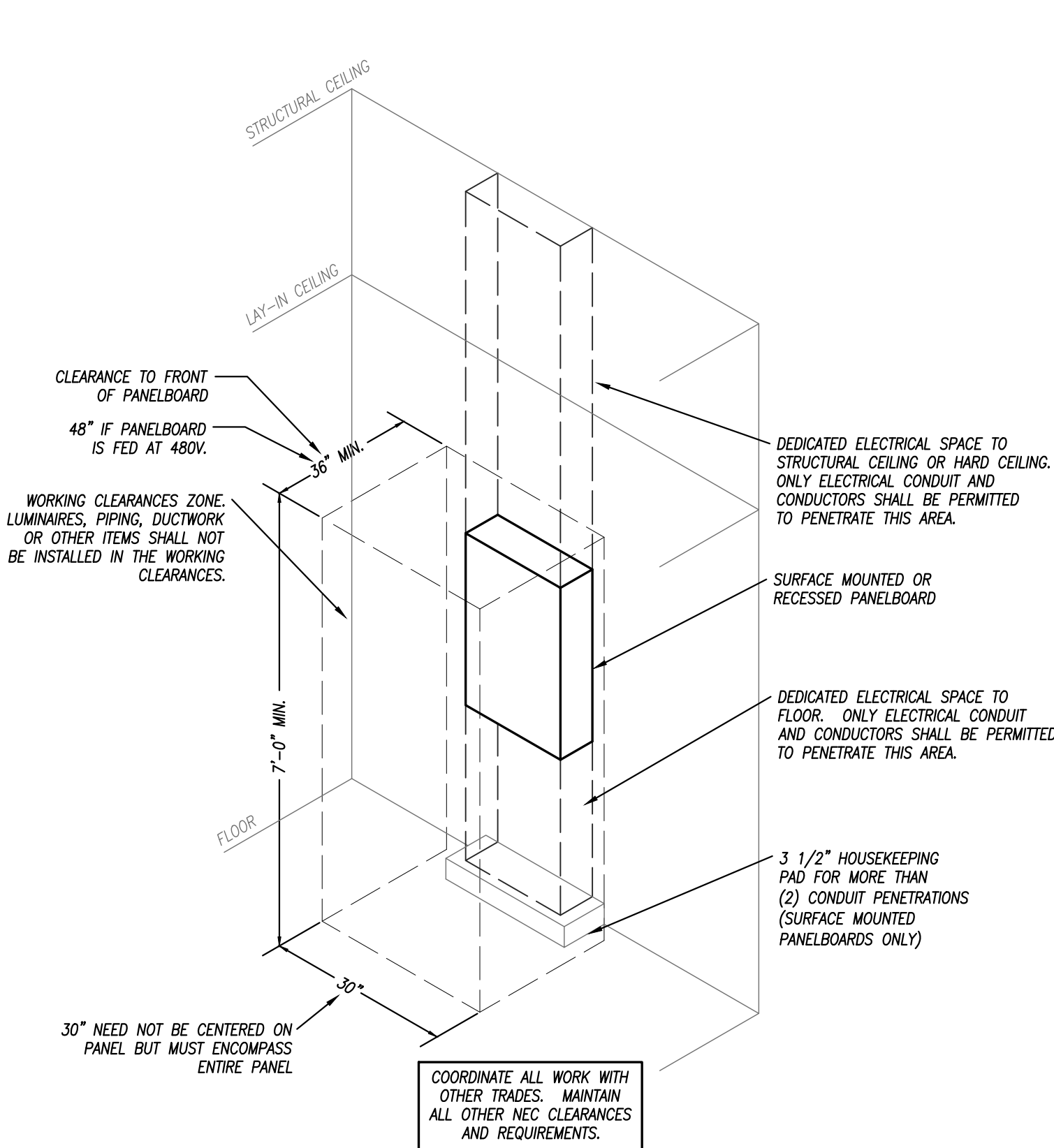


- FIRE ALARM NOTES:**
1. EXTEND THE EXISTING SIEMENS FIRE ALARM SYSTEM BY ELECTRONIC CONTRACTING COMPANY FROM THE HIGH SCHOOL INTO THE AG BUILDING.
CONTACT ECC AT 1-800-366-5320
- INTERCOM NOTES:**
1. ECC VENDOR HAS AN EXISTING INTERCOM BOARD AT THE OLD AG SHOP THAT WILL BE MOVED TO THE NEW AG SHOP. ALL WIRING AND NEW DEVICES FOR THE INTERCOM SYSTEM SHALL STILL BE INCLUDED.
CONTACT ECC AT 1-800-366-5320

UPPER LEVEL PLAN - SPECIAL SYSTEMS
1/8" = 1'-0"



MAIN LEVEL PLAN - SPECIAL SYSTEMS
1/8" = 1'-0"



GENERAL NOTES:

1. MOUNTING HEIGHTS SHOWN IN THIS DETAIL ARE TYPICAL UNLESS OTHERWISE NOTED ON THE PLANS.
2. SEE ARCHITECTURAL ELEVATIONS FOR SPECIAL CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.
3. ALL INSTALLATIONS SHALL COMPLY WITH ADA.

VISUAL FIRE ALARM NOTIFICATION DEVICES (STROBE):
LOCATE DEVICE SO THE BOTTOM OF THE DEVICE IS BETWEEN 80" AND 86" A.F.F. (NFPA) OR 6" BELOW CEILING, WHICHEVER IS LOWER (ADA 2010).

AUDIBLE FIRE ALARM NOTIFICATION DEVICES (HORN):
LOCATE DEVICE SO THAT THE TOP OF UNIT IS NOT MORE THAN 80" A.F.F. AND NOT LESS THAN 6" BELOW CEILING (NFPA).

FIRE ALARM ACTIVATION DEVICES (PULL STATION):
LOCATE FRONT-APPROACH DEVICES SO THAT THE HIGHEST OPERABLE PORTION OF THE DEVICE IS NOT MORE THAN 48" A.F.F. (ADA 2010) AND NOT LESS THAN 42" A.F.F. (NFPA).

POWER/COMMUNICATION DEVICES:
OUTLETS SHALL BE LOCATED AT 16" A.F.F. TO THE BOTTOM OF THE BOX. ABOVE COUNTER DEVICES SHALL BE LOCATED AT 2" ABOVE THE BACKSPASH OF THE COUNTER TO THE BOTTOM OF THE DEVICES. VERIFY WITH ARCHITECTURAL DETAILS.

WALL-MOUNTED OPERABLE DEVICES:
OPERABLE DEVICES SHALL BE LOCATED AT 48" A.F.F. TO THE TOP OF THE OPERABLE PORTION OF THE DEVICE.

WALL-MOUNTED OPERABLE DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
LIGHT SWITCHES, DIMMERS, CONTROLS, ETC. PUSH BUTTONS, NURSE/PATIENT CALL DEVICES (INCLUDING THOSE FOR STAFF USE), OTHER CONTROL OR "CALL" DEVICES.

DISTRIBUTION PANELBOARD SCHEDULE											
PANEL DESIGNATION: MDP		MAIN BUS AMPS: 600		VOLTAGE: 480/277		MOUNTING: SURFACE		LOCATION: MECH 107		SCCR RATING (AIC): 42,000	
CIRCUIT #		CIRCUIT DESIGNATION		KVA		CIRCUIT BREAKER		FEEDER			
T NO.						POLE FRAME TRIP		SETS # OF WIRES		SIZE GROUND CONDUIT	
1		TRANSFORMER TFX-1		145.4		3 400 350 1		3 500 MCM		#3 3"	
2		ELEVATOR		17.5		3 100 50 1		3 #6		#10 3/4"	
3		CRANE (VERIFY)		0.0		3 100 30 1		3 #10		#10 1/2"	
4				0.0		3 - - -		- - -		- - -	
5				0.0		3 - - -		- - -		- - -	
6				0.0		- - -		- - -		- - -	
7				0.0		- - -		- - -		- - -	
8				0.0		- - -		- - -		- - -	
9				0.0		- - -		- - -		- - -	
10				0.0		- - -		- - -		- - -	

SINGLE-SECTION PANELBOARD SCHEDULE											
PANEL DESIGNATION: P1		MAIN LUG AMPS: 225		SCCR RATING (AIC): 22,000		MOUNTING: SURFACE		LOCATION: MECH 107			
CIRCUIT #		CIRCUIT DESIGNATION		KVA		CIRCUIT BREAKER		FEEDER			
T NO.						POLE FRAME TRIP		SETS # OF WIRES		SIZE GROUND CONDUIT	
1		RECEPT: AG SHOP 101		1080		20 1 1 1		20 1200		1200	
2		RECEPT: AG SHOP 101		1080		20 1 3 4		20 1400		1400	
3		RECEPT: AG SHOP 101		720		20 1 7 8		20 1500		1500	
4		RECEPT: AG SHOP 101		720		20 1 9 10		20 1500		1500	
5		RECEPT: EXTERIOR WEST		0		20 1 12 12		20 360		360	
6		RECEPT: EXTERIOR EAST		0		20 1 13 14		20 360		360	
7		RECEPT: MEZZ 201		720		20 1 15 16		20 360		360	
8		RECEPT: GARAGE		1000		20 1 17 18		20 360		360	
9		EUH-1		500		20 2 19 20		20 20		20	
10				500		20 2 21 22		20 20		20	
11		F-1		360		20 1 23 24		20 20		20	
12		H-1		360		20 1 25 26		20 20		20	
13		H-2		360		20 1 27 28		20 20		20	
14		H-3		360		20 1 29 30		20 20		20	
15		H-4		360		20 1 31 32		20 20		20	
16		SPA		360		20 1 33 34		20 20		20	
17		SPA		360		20 1 35 36		20 20		20	
18		SPA		360		20 1 37 38		20 1600		1600	
19		SPA		360		20 1 39 40		20 20		20	
20		SPA		360		20 1 41 42		20 20		20	
TOTALS				4380				4680		2120 3820	

SINGLE-SECTION PANELBOARD SCHEDULE											
PANEL DESIGNATION: P2		MAIN LUG AMPS: 225		SCCR RATING (AIC): 22,000		MOUNTING: SURFACE		LOCATION: MECH 201			
CIRCUIT #		CIRCUIT DESIGNATION		KVA		CIRCUIT BREAKER		FEEDER			
T NO.						POLE FRAME TRIP		SETS # OF WIRES		SIZE GROUND CONDUIT	
1		RECEPT: HALLWAY 200		1260		20 1 1 2		20 1000		1000	
2		RECEPT: STORAGE 202		1260		20 1 3 4		20 1000		1000	
3		RECEPT: RESTROOMS		540		20 1 5 6		20 1000		1000	
4		RECEPT: IT 211		720		20 1 7 8		20 1450		1450	
5		DRINKING FOUNTAIN		800		20 1 9 10		20 1450		1450	
6		RECEPT: COMP RM 204		1260		20 1 11 12		20 1250		1250	
7		RECEPT: KITCHEN 206-EAST		540		20 1 13 14		20 1250		1250	
8		RECEPT: KITCHEN 206-WEST		540		20 1 15 16		20 1250		1250	
9		RECEPT: KITCHEN 206		1260		20 1 17 18		20 1250		1250	
10		RECEPT: REFRIGERATOR		540		20 1 19 20		20 1250		1250	
11		RECEPT: REFRIGERATOR		540		20 1 21 22		20 1250		1250	
12		RANGE		4160		50 2 23 24		50 1700		1700	
13		RANGE		4160		50 2 25 26		50 1700		1700	
14		RANGE		4160		50 2 27 28		50 1500		1500	
15		RANGE		4160		50 2 29 30		50 1500		1500	
16		RECEPT: AG LAB 205		1080		20 1 31 32		20 500		500	
17		RECEPT: AG LAB 205		1080		20 1 33 34		20 1000		1000	
18		RECEPT: AG LAB 205		900		20 1 35 36		20 1000		1000	
19		RECEPT: AG LAB 205		1080		20 1 37 38		20 720		720	
20		RECEPT: DRY SYSTEM		540		20 1 39 40		20 720		720	
TOTALS				14540				10220		7370 8170	

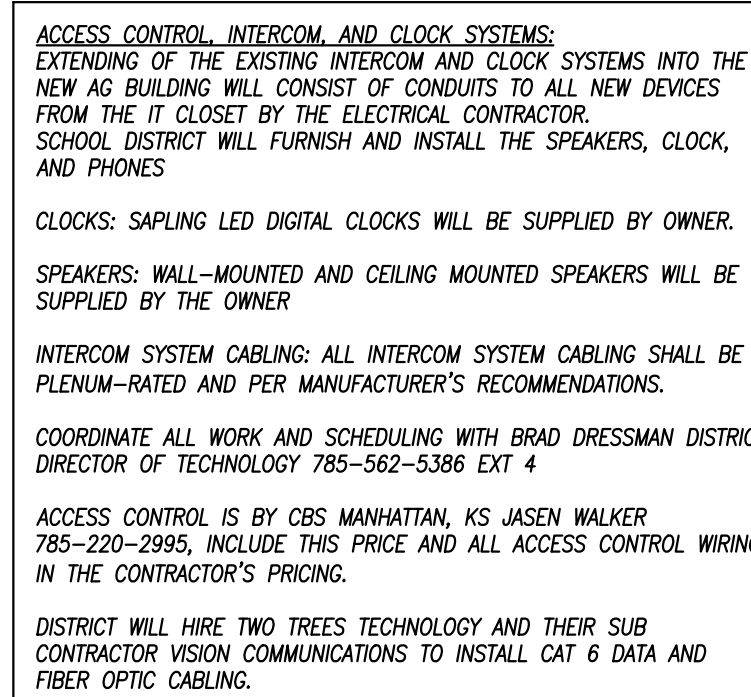


NOTES LEGEND

- 1 - PROVIDE DIMMABLE DRIVER FOR 0-10V DOWN TO 10%.
- 2 - PROVIDE EMERGENCY BATTERY (MINIMUM OF 1350 LUMENS FROM ONE LAMP FOR 90 MINUTES FOR 32WTS LIGHTS)
- 3 - PROVIDE WET LOCATION RATED FIXTURE
- 4 - PROVIDE COLD LOCATION RATED BALLAST
- 5 - VERIFY MOUNTING HEIGHT WITH ARCHITECT.
- 6 - PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION.
- 7 - PROVIDE WITH OUTDOOR REMOTE LIGHTING HEAD MODEL #PGR-1. STANDARD COLOR SELECTED BY ARCHITECT.

NOTES LEGEND

1. PROVIDE RECESSED MOUNTED HEATER WITH ADJUSTABLE THERMOSTAT AND DISCONNECT



INTERCOMM / CLOCK SYTEM ONE-LINE DIAGRAM

NOTES LEGEND

* - INDICATES PROVIDED BY DOOR HARDWARE SUPPLIER. REFER TO DOOR HARDWARE SPECIFICATIONS FOR FURTHER WIRING/POWER REQUIREMENTS.

** - INDICATES PROVIDED BY SECURITY ALARM SUPPLIER

ELECTRICAL CONTRACTOR TO PROVIDE 2X4 BACK BOX, CONDUIT AND CABLE AS INDICATED.

*** - INDICATED PROVIDED BY SECURITY ALARM SUPPLIER.

ELECTRICAL CONTRACTOR TO PROVIDE 4X4 BACK BOX, CONDUIT AND CABLE AS INDICATED.

