



File No. EA2020-131

CITY OF RICHLAND
Determination of Non-Significance

Description of Proposal: Richland School District is proposing to replace the existing Hanford High School Track and Athletic Facility and construct associated parking improvements.

Proponent: Richland School District
Attn: Caren Johnson
6972 Keene Road
West Richland, WA 99353

Location of Proposal: The project site is located at 450 Hanford Street, Richland, WA.

Lead Agency: City of Richland

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

() There is no comment for the DNS.

(X) This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for fourteen days from the date of issuance.

() This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

Responsible Official: Mike Stevens

Position/Title: Planning Manager

Address: 625 Swift Blvd., MS #35, Richland, WA 99352

Date: December 7, 2020

Signature 

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[HELP\]](#)

1. Name of proposed project, if applicable: Hanford High School Athletic Field Improvements
2. Name of applicant: Richland School District - Caren Johnson
3. Address and phone number of applicant and contact person: 6972 Keene Rd, West Richland, WA
509-967-6000

4. Date checklist prepared: 11/16/2020
5. Agency requesting checklist: City of Richland
6. Proposed timing or schedule (including phasing, if applicable): April 2021-October 2021
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. Not at this time
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. None known
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. None known
10. List any government approvals or permits that will be needed for your proposal, if known. Building permit, right of way permit
11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) Replacement of existing Hanford High School Track and Athletic Facility and associated parking improvements. Total project area is about 12 acres.
12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. 450 Hanford Street, Richland, WA 99354.

B. Environmental Elements [\[HELP\]](#)

1. Earth [\[help\]](#)

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other Flat

b. What is the steepest slope on the site (approximate percent slope)?

5%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

Loamy Sands

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. No.
- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.
Minimal fill is anticipated. Approximately 12 acres of land will be disturbed. Excess soils to be hauled off-site.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
Yes, wind and water erosion could occur during construction.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
About 50%
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Temporary erosion and sediment control measures will be installed prior to the start of construction.

2. Air [\[help\]](#)

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. Construction vehicle emissions.
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. None known.
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:
None.

3. Water [\[help\]](#)

- a. Surface Water: [\[help\]](#)
- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The Columbia River is approximately 1,750 feet to the east of the project site.
- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No
- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No

b. Ground Water: [\[help\]](#)

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Stormwater runoff will be retained on site and infiltrated into the ground.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Stormwater runoff can contain sediments, oils, and metals. The stormwater collection system will be designed in accordance with the Stormwater management manual for Eastern Washington.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

General parking lot sweeping and maintenance of stormwater facilities.

4. **Plants** [\[help\]](#)

a. Check the types of vegetation found on the site:

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- Orchards, vineyards or other permanent crops.
- wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

b. What kind and amount of vegetation will be removed or altered?
Existing grass lawn will be removed and replaced in accordance with new site layout.

c. List threatened and endangered species known to be on or near the site.
None known

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
New grass lawn.

e. List all noxious weeds and invasive species known to be on or near the site.
None known

5. Animals [\[help\]](#)

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

- birds: hawk, heron, eagle, songbirds, other: Songbirds
- mammals: deer, bear, elk, beaver, other:
- fish: bass, salmon, trout, herring, shellfish, other _____

b. List any threatened and endangered species known to be on or near the site.
None known

c. Is the site part of a migration route? If so, explain.
Pacific Flyway.

d. Proposed measures to preserve or enhance wildlife, if any:
Maintain on site healthy trees

e. List any invasive animal species known to be on or near the site.
None known

6. Energy and Natural Resources [\[help\]](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electric will be used for heating, cooling, lighting, and power.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None

7. Environmental Health [\[help\]](#)

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. No

- 1) Describe any known or possible contamination at the site from present or past uses.

None known

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None known

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None known

- 4) Describe special emergency services that might be required.

Only those services provided by the City.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

None

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? None

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. Short term - construction noise.

Long term - noise will be the same as existing school.

- 3) Proposed measures to reduce or control noise impacts, if any:

Construction will occur during normal business hours only.

8. Land and Shoreline Use [\[help\]](#)

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The site is currently a school. No affect on nearby properties is anticipated.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No

c. Describe any structures on the site.

There is an existing storage shed and building.

d. Will any structures be demolished? If so, what?

The existing storage shed is to be demolished.

e. What is the current zoning classification of the site?

PPF

f. What is the current comprehensive plan designation of the site?

PF

g. If applicable, what is the current shoreline master program designation of the site?

NA

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

No

i. Approximately how many people would reside or work in the completed project?

Not applicable

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

None

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Submit plans and applications to City for staff review.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

NA

9. Housing [\[help\]](#)

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None

c. Proposed measures to reduce or control housing impacts, if any:

None

10. Aesthetics [\[help\]](#)

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

20 feet.

b. What views in the immediate vicinity would be altered or obstructed?

None

b. Proposed measures to reduce or control aesthetic impacts, if any:

Compliance with zoning and building code requirements.

11. Light and Glare [\[help\]](#)

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Building and parking lot lighting. Evening.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

Lights will be designed for minimal impact offsite.

c. What existing off-site sources of light or glare may affect your proposal?

None

d. Proposed measures to reduce or control light and glare impacts, if any:

Lighting in accordance with Richland Municipal Code

12. Recreation [\[help\]](#)

a. What designated and informal recreational opportunities are in the immediate vicinity?

Hanford High School

b. Would the proposed project displace any existing recreational uses? If so, describe.

No

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Updating recreational facilities

13. Historic and cultural preservation [\[help\]](#)

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

No

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

None known

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

N/A

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

None

14. Transportation [\[help\]](#)

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

The site is located off George Washington Way and Sprout Road

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

Yes, BFT is located on Sprout Road.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

97 new stalls,
4 existing removed.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

Replacing an existing use.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No

h. Proposed measures to reduce or control transportation impacts, if any:

None

15. Public Services [\[help\]](#)

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No, proposed need will be the same as existing need.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None

16. Utilities [\[help\]](#)

a. ~~Circle utilities currently available at the site:~~

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

c. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Water, sanitary sewer, electricity

C. Signature [\[HELP\]](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Name of signee Caren Johnson

Position and Agency/Organization Director of Capital Project, Richland School District

Date Submitted: 11-17-2020

HANFORD HIGH SCHOOL ATHLETIC FIELD

450 HANFORD STREET
RICHLAND, WA 99354



DRAWN BY
MW, AR

CHECKED BY
MW

JOB NUMBER
20014



HANFORD HIGH SCHOOL
ATHLETIC FIELD
450 HANFORD STREET
RICHLAND, WASHINGTON 99354

DATE
11/17/2020

SHEET NAME
TITLE SHEET

SHEET
G1.00

GENERAL NOTES

- CONTRACTOR TO VERIFY WITH UTILITIES EXACT LOCATION OF EXISTING UNDERGROUND SERVICES. CONTACT CALL BEFORE YOU DIG AT: (800) 424-6555
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THESE DRAWINGS, THE SPECIFICATIONS, AND THE CURRENT EDITIONS OF THE IBC, IMC, NEC AND THE WASHINGTON STATE ENERGY CODE, AND ALL CITY OF RICHLAND REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND PROVIDING ALL REQUIRED DOCUMENTATION FOR ISSUANCE OF PERMITS, INCLUDING ANY AND ALL ENGINEERING, STAMPED AND SIGNED BY REGISTERED PROFESSIONAL ENGINEERS IN THE STATE OF WASHINGTON APPROPRIATE TO THE DISCIPLINE.
- THE CONTRACTOR AGREES TO ASSUME SAFE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE ARCHITECT AND OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ARCHITECT, OR THIRD PARTY IN VIOLATION OF THE LAW OR IN TRESPASS. THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES AND SHALL FURNISH, ERECT, AND MAINTAIN SUCH FENCES, BARRICADES, LIGHTS, AND SIGNS NECESSARY TO GIVE ADEQUATE PROTECTION TO THE PUBLIC AT ALL TIMES. THE ARCHITECT MAKES NO WARRANTY THAT THE CONSTRUCTION-PHASE FENCES, ETC., ARE ADEQUATE TO ENSURE SAFETY DURING CONSTRUCTION OPERATIONS.
- DURING CONSTRUCTION THE SAFETY OF THE WORKERS, VISITORS, AND THE PROTECTION OF PROPERTY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. THE ARCHITECT SHALL NOT INCLUDE OBSERVATION OF SAFETY MEASURES IN SITE VISIT OBSERVATION REPORTS.
- REFERENCE G1/A7.10 AND G11/A7.10 FOR STANDARD ADA MOUNTING HEIGHTS, TYPICAL THROUGHOUT.

ABBREVIATIONS

ACOUST.	ACOUSTICAL	M	MIRROR
ADJ.	ADJACENT	M.H	MAN HOLE
ADJA.	ADJUSTABLE	MANUF.	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	M.O	MASONRY OPENING
ALT.	ALTERNATE	MB	MASONRY BEAM
ALUM.	ALUMINUM	MAS.	MASONRY
L	ANGLE	MAX	MAXIMUM
ASPH.	ASPHALT	MDPD	MEDIUM-DENSITY PARTICLE BOARD
ASSEMB.	ASSEMBLY	MEMB.	MEMBRANE
BM	BEAM	MET.	METAL
BRG.	BEARING	MIN	MINIMUM
B.M.	BENCH MARK	NONPERF.	NONPERFORATED
BLK.	BLOCK	NTS.	NOT TO SCALE
BLKG.	BLOCKING	NO.	NUMBER
BLDG.	BUILDING	O.C.	ON CENTER
BD.	BOARD	O.H.	OVERHEAD
BOT.	BOTTOM	O.F.C.	OWNER FURNISHED CONTRACTOR INSTALLED
B.O	BOTTOM OF	OFOI	OWNER FURNISHED CONTRACTOR INSTALLED
B.U.	BUILT-UP	OPNG.	OPENING
CAB.	CABINET	OPP.	OPPOSITE
C.I.	CAST IRON	O.D.	OUTSIDE DIAMETER
CLG.	CEILING	O.H.	OVERHEAD
CL.	CENTER LINE	O.S.	OVERFLOW SCUPPER
CERAM.	CERAMIC	d	PENNY
CHEM.	CHEMICAL	PERF.	PERFORATED
C.O.	CLEAN OUT	PERIM.	PERIMETER
CL.F.	CLEAR	PL.	PLATE
C.C.T.V.	CLOSED CIRCUIT TELEVISION	PLYWD.	PLYWOOD
COL.	COLUMN	PLAST.	PLASTIC
CONSP.	CONSTRUCTION	P.O.C.	POINT OF CONNECTION
CONC.	CONCRETE	POS.	POSITIVE
CMU	CONCRETE MASONRY UNIT	LB.	POLIND
CONSTR.	CONSTRUCTION	PREFAB.	PREFABRICATED
CONT.	CONTINUOUS	PREMANUF.	PREMANUFACTURED
CONT. JT.	CONTROL JOINT	PT	PRESSURE TREATED
CORRUG.	CORRUGATED	P.T.	PAPER TOWEL DISPENSER
CPT	CARPET	R	RADIUS
CT.	CERAMIC TILE	R.B.	RUBBER BASE
C.F.	CUBIC FEET	R.D.	ROOF DRAIN
CJ	CONTROL JOINT	REF.	REFERENCE
CUST.	CUSTODIAL	REINF.	REINFORCED
DEG.	DEGREE	REQD.	REQUIRED
DENS.	DENSITY	RESIST.	RESISTANT
DISP.	DISPENSER	RET.	RETAINING
D.F.	DRINKING FOUNTAIN	RETRACT.	RETRACTABLE
DIA.	DIAMETER	REV.	REVISION
DIV.	DIVISION	R.O.	ROUGH OPENING
DIR.	DIRECT	SALV.	SALVAGE
DIST.	DISTRIBUTION	SCHED.	SCHEDULE
DBL.	DOUBLE	S.C.	SEALED CONCRETE
EA.	EACH	S.D.	SOAP DISPENSER
ELASTO.	ELASTOMERIC	SERV.	SERVICE
ELEC.	ELECTRICAL	SHEATHG.	SHEATHING
E.W.C.	ELECTRIC WATER COOLER	SHEET.	SHEET
ELEV.	ELEVATION	SIM.	SIMILAR
ENGRD.	ENGINEERED	SOFTWOOD.	SOFTWOOD
EPXY.	EPOXY PAINT	S.C.W.	SOLID CORE
EQ.	EQUAL OR EQUIVALENT	SQ.	SQUARE
EXIST	EXISTING	S.S.	STAINLESS STEEL
EXPAN.	EXPANSION	STD.	STANDARD
EXT.	EXTERIOR	STOR.	STORAGE
FD.	FLOOR DRAIN	STRUCT.	STRUCTURAL
FIN.	FINISH	SURFS.	SURFACES
F.E.	SURFACE MT FIRE EXTINGUISHER	SUSP.	SUSPENDED
F.E.C.	FIRE EXTINGUISHER & CABINET	SV.	SHEET VINYL
F.F.	FINISHED FLOOR	SYNTH.	SYNTHETIC
FLR.	FLOOR	SYST.	SYSTEM
FLRG.	FLOORING	TEL.	TELEPHONE
FLDG.	FOLDING	T.V.	TELEVISION
F.T.	FIRE TREATED	TEMPRD.	TEMPERED
FTG.	FOOTING	TEMP.	TEMPORARY
F.V.	FIELD VERIFY	TEXT.	TEXTURE
FWD.	FORWARD	THICK.	THICKENED
FND.	FOUNDATION	THRESH.	THRESHOLD
FRAMG.	FRAMING	T&G.	TONGUE & GROOVE
FURRG.	FURRING	T.O.	TOP OF
GALV.	GALVANIZED	T.G.	TOP OF GRADE
GA.	GAUGE	T.O.D.	TOP OF ROOF DECK
GB.	GRAB BAR	T.S.	TOP OF SIDEWALK
GR.	GRADE	T&B	TOP AND BOTTOM
GYP.	GYPSPUM	TRANS.	TRANSITION
HOBSD.	HARDBOARD	T.W.C.	TACKABLE WALL COVERING
HDWD.	HARDWOOD	TYP.	TYPICAL
H.	HIGH	UBC	UNIFORM BUILDING CODE
HD.	HAND DRYER	U.N.O.	UNLESS NOTED OTHERWISE
HT.	HEIGHT	VAN.	VANITY
HORIZ.	HORIZONTAL	V.B.	VENTED BASE
H.C.W.	HOLLOW CORE	VCT.	VINYL COMPOSITION TILE
H.M.	HOLLOW METAL	VERT.	VERTICAL
HORIZ.	HORIZONTAL	V.V.C.	VINYL WALL COVERING
HR.	HOUR	WAINS.	WAINSCOT
HW.	HARDWOOD	WAREHSE.	WAREHOUSE
IBC.	INTERNATIONAL BUILDING CODE	W	WIDE
INFILTR.	INFILTRATION	W.G.	WATER CLOSET
I.D.	INSIDE DIAMETER	W.F.	WIDE FLANGE
INSUL.	INSULATION	W	WITH
IRRIG.	IRRIGATION	W/O	WITH OUT
JT.	JOINT	WD.	WOOD
L.	LONG		
LAM.	LAMINATED		
LAMIN.	LAMINATE		
LAT.	LATERAL		
L.M.B.	LIQUID MARKER BOARD		
LT.	LIGHT		

SYMBOLS

BUILDING SECTION	
WALL SECTION	
DETAIL	
ELEVATION MARK	
REVISIONS	
WINDOW TYPES	
FLOOR & WALL ASSEMBLIES	
ROOF ASSEMBLIES	
DOOR NUMBER	
EXTERIOR ELEVATION	
INTERIOR ELEVATION	

MATERIAL KEY

	EARTH		WOOD BLNGK
	CMU		CONT. WOOD
	CONCRETE		BATT INSUL.
	STEEL CONT.		RIGID INSUL.
	PLYWOOD		CRUSHED GRAVEL
	FINISH WOOD		SAND

PROJECT TEAM

OWNER	RICHLAND SCHOOL DISTRICT 701 STEVENS DR RICHLAND, WASHINGTON 99352 TEL: (509) 967-6100	CONTACT: CAREN JOHNSON
ARCHITECTURAL	DESIGN WEST ARCHITECTS P.A. 830 N COLUMBIA CENTER BLVD. KENNEWICK, WASHINGTON 99336 TEL: (509) 783-2244	CONTACT: MATT WHITISH
CIVIL	JUB ENGINEERS 2810 CLEARWATER AVE, SUITE 201 KENNEWICK, WA 99336 TEL: (509) 783-2144	CONTACT: DARRAL MOORE
FIELD AND TRACK	DA HOGAN 119 1ST AVENUE SOUTH, SUITE 110 SEATTLE, WA 98104 TEL: (206) 285-0400	CONTACT: ERIC GOLD
STRUCTURAL	STRUCTURAL FORTE, INC 7307 N. DIVISION ST, SUITE 304 SPOKANE, WA 99208 TEL: (509) 624-3224	CONTACT: TRISTAN BURTON
MECHANICAL	KARTOCHNER ENGINEERING 101 S. STEVENS ST, SUITE 201 SPOKANE, WASHINGTON 99201 TEL: (509) 922-0383	CONTACT: NATE HUBBARD
ELECTRICAL	KWR ELECTRICAL CONSULTING & DESIGN 5915 REGAL ST, SUITE 201 SPOKANE, WASHINGTON 99223 TEL: (509) 473-9218	CONTACT: AARON WHITING

DRAWING INDEX

GENERAL	G1.00 TITLE SHEET G1.01 CODE SUMMARY G1.02 ENVELOPE NREC SUMMARY G1.03 PROJECT INFORMATION
GEOTECH	G11 GEOTECH DESIGN G12 EARTHWORK G13 STRUCTURAL FILL AND SITE DRAINAGE G14 FOUNDATION AND SLAB-ON-GRADE G15 PAVEMENT G16 EXPLORATION MAP AND EXPLORATION LOGS G17 EXPLORATION LOGS G18 EXPLORATION LOGS G19 EXPLORATION LOGS AND LABORATORY TEST
CIVIL	C010 DEMOLITION PLAN C100 OVERALL SITE LAYOUT C101 GEOMETRIC CONTROL PLAN C102 PARKING LOT - BID ALTERNATE C103 PARKING LOT - BID ALTERNATE GRADING AND STORM C104 PARKING LOT C110 GRADING AND STORM DRAIN PLAN C111 STORM DRAIN PLAN DETAIL C120 UTILITY PLAN C501 DETAILS
FIELD & TRACK	F1.10 FIELD & TRACK LAYOUT PLAN F1.20 FIELD & TRACK GRADING PLAN F1.30 FIELD & TRACK DRAINAGE PLAN F1.40 FIELD & TRACK IRRIGATION PLAN F1.50 FIELD & TRACK FENCING PLAN F1.60 FIELD & TRACK LAYOUT CONTROL PLAN F2.01 TYPICAL SECTIONS F2.02 DRAINAGE DETAILS F2.03 WASHWATER DETAILS F2.04 WASHWATER DETAILS F2.05 FENCING DETAILS F2.06 TRACK & FIELD SECTIONS F2.07 TRACK & FIELD DETAILS F2.08 FIELD EVENT DETAILS F2.09 FIELD EVENT DETAILS F2.10 FIELD EVENT DETAILS F3.01 COMPOSITE LAYOUT PLAN & DETAILS F3.02 FOOTBALL LAYOUT PLAN & DETAILS F3.03 SOCCER LAYOUT PLAN & DETAILS F3.04 FIELD GRAPHICS
LANDSCAPE	L1.001 IRRIGATION NOTES L1.101 IRRIGATION PLAN - MAIN LINE LAYOUT L1.102 IRRIGATION PLAN L1.501 IRRIGATION DETAILS LP.001 PLANTING NOTES LP.101 PLANTING PLAN
ARCHITECTURAL	A3.01 FIRST FLOOR PLAN A3.02 GRANDSTANDS AND PRESS BOX A3.41 FIRST FLOOR FINISH PLAN AND SIGNAGE A3.51 REFLECTED CEILING PLAN A3.60 ROOF PLAN A3.71 ENLARGED PLANS A4.01 EXTERIOR ELEVATION A5.01 BUILDING AND WALL SECTION A6.00 DOOR SCHEDULE AND WINDOW TYPE A7.10 INTERIOR ELEVATION A8.01 INTERIOR ELEVATION A8.20 EXTERIOR DETAILS A8.21 INTERIOR DETAILS
STRUCTURAL	S1.01 STRUCTURAL NOTES AND TYPICAL DETAILS S3.01 FLOOR & FOUNDATION PLAN & ROOF FRAMING PLAN
PLUMBING	P0.01 PLUMBING NOTES, LEGENDS, & SCHEDULES P1.01 FOUNDATION PLAN - PLUMBING P1.02 FLOOR PLAN - PLUMBING P1.03 FLOOR PLAN - PLUMBING P5.01 PLUMBING DETAILS
MECHANICAL	M0.01 MECHANICAL LEGENDS, SYMBOLS & ABBREVIATIONS M1.01 MAIN FLOOR PLAN - MECHANICAL M1.02 ROOF PLAN - MECHANICAL M5.01 MECHANICAL DETAILS M6.01 MECHANICAL SCHEDULES
ELECTRICAL	E0.01 ELECTRICAL SYMBOLS AND ABBREVIATIONS E1.01 ELECTRICAL SITE PLAN E1.02 ELECTRICAL SITE PLAN E2.01 CONCESSIONS BUILDING - ELECTRICAL FLOOR PLANS E6.01 POWER ONE-LINE DIAGRAM E7.01 ELECTRICAL DETAILS E7.02 ELECTRICAL DETAILS

VICINITY MAP



RICHLAND, WASHINGTON

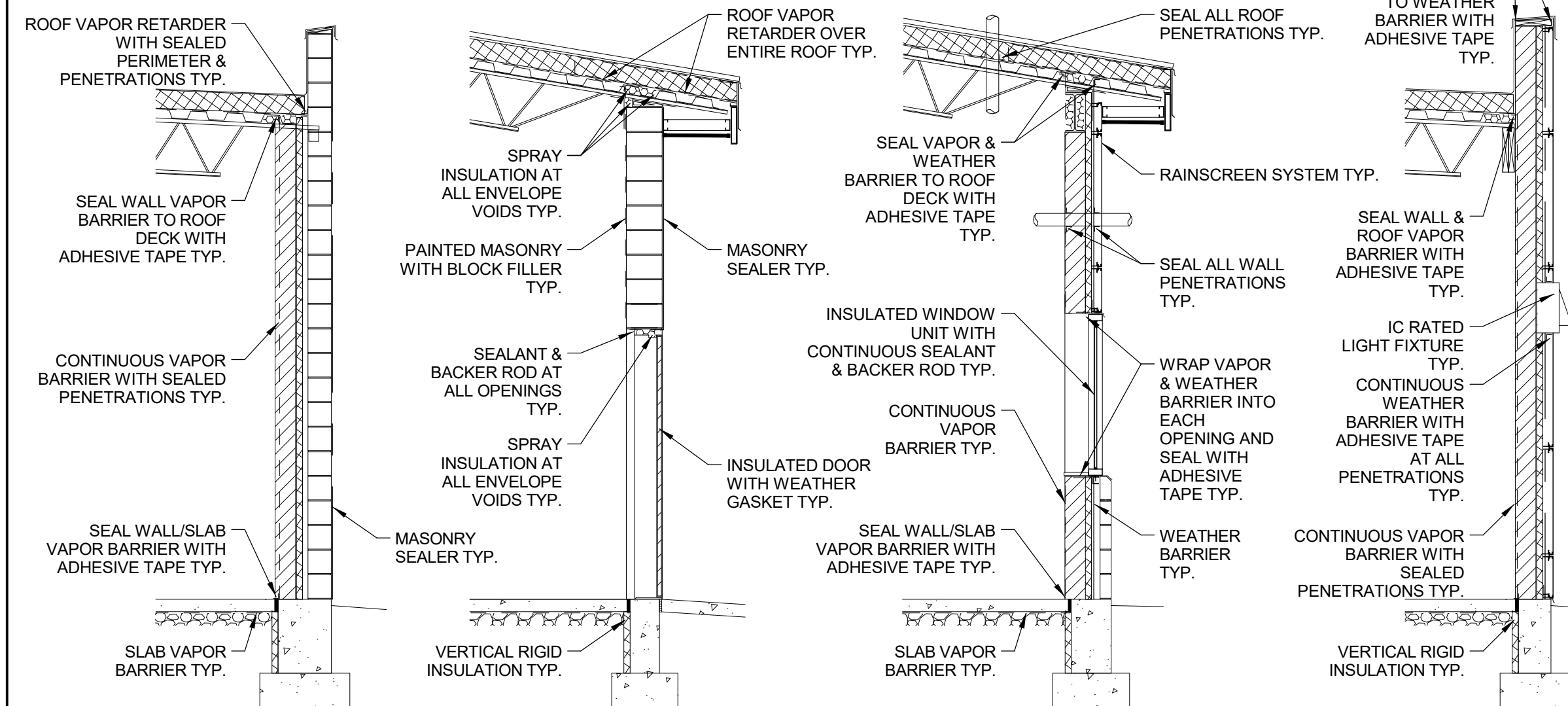
GENERAL NOTES

- ALL NON-STRUCTURAL ELEMENTS SUCH AS SUSPENDED ACOUSTICAL CEILING, LIGHT FIXTURES, SOUND EQUIPMENT, DUCT SYSTEMS, FIRE SPRINKLER SYSTEMS, TALL CABINETS AND SHELVING AND SIMILAR ITEMS ARE TO BE BRACED FOR SEISMIC FORCE PER IBC.
- ALL SHOP DRAWINGS THAT INVOLVE STRUCTURAL DESIGN MUST BE STAMPED AND SIGNED BY A WASHINGTON LICENSED ENGINEER.
- U-FACTOR VALUES LISTED IN NREC ENVELOPE FORMS SHALL BE VERIFIED DURING CONSTRUCTION BY PRODUCT MANUFACTURERS THROUGH SUBMITTAL REVIEW.
- COMPLY WITH WSEC C402.5.1.1 FOR CONTINUOUS AIR BARRIER, TAPE, SEAL, AND CAULK ALL PENETRATIONS AND SEAMS FOR CONTINUOUS AIR BARRIER. NO EXTERIOR ENVELOPE VOIDS SHALL BE PERMITTED. SEE DETAIL G4/G1.01

LEGEND

- S.F. OF SPACE
- USE GROUP (CHAPTER 3)
- OCCUPANCY CATEGORY FACTOR (TABLE 1004.1.1)
- TOTAL OCCUPANTS
- RECD EXT. WIDTH (IBC 1005)
- OCCUPANT LOAD
- EGRESS ROUTE
- FIRE EXTINGUISHER CABINET SEMI RECESSED
- COMMON PATH OF EGRESS (A-5, 75' MAX., IBC 1006.2.1)
- EXIT TRAVEL DISTANCE (200' MAX., IBC 1017.2)

- AIR BARRIER REQUIREMENTS:**
- CONTINUOUS AIR BARRIER SHALL COMPLY WITH WSEC C402.5.1.1.
 - SEE DIVISION 07 FOR ENVELOPE BUILDING TESTING REQUIREMENTS.
 - REFERENCE SLAB, WALL, AND ROOF ASSEMBLY DETAILS FOR VAPOR/WEATHER BARRIER LOCATIONS SPECIFIC TO THIS PROJECT.



G4 AIR BARRIER CONSTRUCTION
SCALE: N.T.S. INSERT AT: 1 1/2" = 1'-0" AIR BARRIER

PLANNING AND BUILDING CODE REQUIREMENTS

Project Address:
Richland School District – Hanford High Athletic Field
450 Hanford St.
Richland, WA 99352

Authorities having Jurisdiction:
City of Richland Ty Jennings, Plans Examiner
Building Department Tel: 509-942-7762
625 Swift Blvd.
Richland, WA 99352

Building Code:
Applicable Requirements:
International Building Code, 2015 edition; with WAC amendments
ANSI A117.1 2009, ADA-AG Accessibility requirements
International Energy Conservation Code, 2015 edition; with WAC amendments

Construction type: V - B
Occupancy class: A-5, Concessions for outdoor sporting events
Fire Protection: None required

Allowable Areas / Heights: Type V-B Construction, "A-5" Occupancy
Allowable Area Factor (Table 506.2): Unlimited Area Allowed
Basic allowable height – non-sprinklered (Table 504.3): 40'
Allowable number of stories above (Table 504.4): Unlimited

Fire Resistive Requirements for Construction Components:
Type V – B (Tables 601, 602, and 706.4)

Component	Rating
Exterior bearing Walls:	1-hr < 10 feet (see Table 602) no rating > 10 feet (see Table 602)
Exterior Non-Bearing Walls:	1-hr < 10 feet (see Table 602) no rating > 10 feet (see Table 602)
Exterior Openings:	no limits > 30 feet (reference Table 705.8)
Interior Bearing Walls:	no rating
Interior Non-Bearing Walls:	no rating
Structural Frame:	no rating
Permanent Partitions:	no rating
Shaft Enclosures:	no rating
Floor & Floor/Ceilings:	no rating
Roofs & Roof/Ceilings:	no rating Class "C" (Table 1505.1)

Flame Spread Requirements for Construction Components:
(Table 803.11) "A-5" Occupancy, Non-sprinklered building

Component	Finish Requirement
Vertical Exits & Passageways:	A (flame spread 0-25)
Exit access corridors:	A (flame spread 0-25)
Rooms & enclosed spaces:	C (flame spread 76-200)

Estimated Occupant Loads & Exiting:
Reference code summary plans for occupant loads and exit patterns

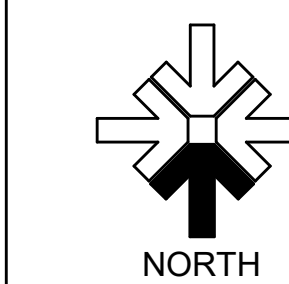
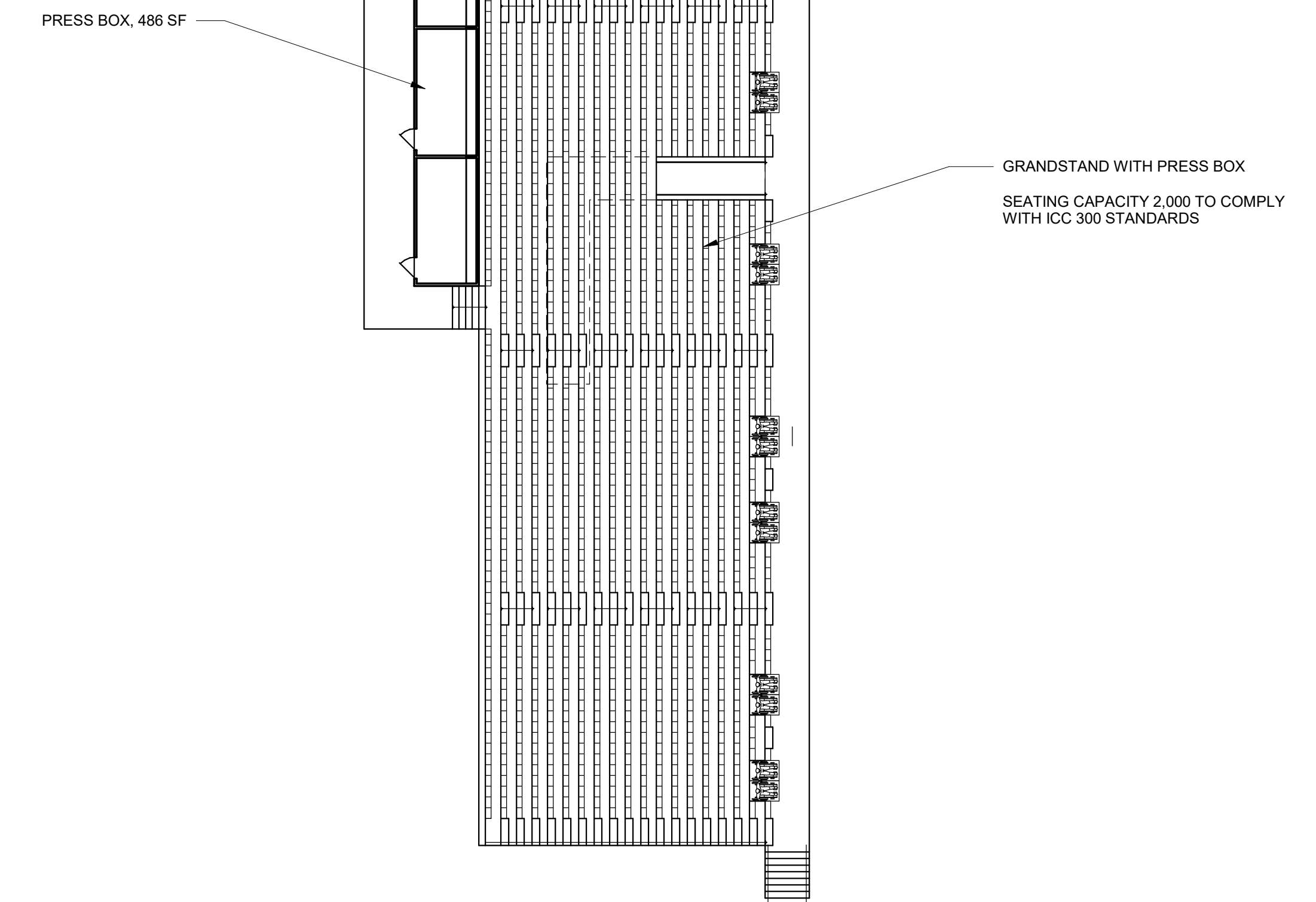
- Notes:
- For A occupancy areas, the maximum travel distance 200' (non-sprinklered building) from the furthest point in any room to the point of entering a protected exit enclosure or exit discharge from the building.
 - Egress through intervening spaces is not allowed, unless the space is adjoining and accessory to the space being considered.
 - The maximum common path of egress (travel to point where two exit routes are available) shall not exceed 75'.

Sanitation Systems & Plumbing Fixtures:
IBC Chapter 29, WAC Amended Table 2902.1 (using 2015 WAC amendments)
Approximately 2,000 Occupants based on Grandstand seating capacity, Press box, and Concession occupant, A-5 Occupancy

Occupants	Ratio	Qty Req'd	Qty Provided
1,000 male	= 1,000/75 = 1,000/200	= 14 w.c. required = 5 lav. required	14 w.c. provided 5 lav. provided
1,000 female	= 1,000/40 = 1,000/150	= 25 w.c. required = 7 w.c. required	24 w.c. provided 7 lav provided

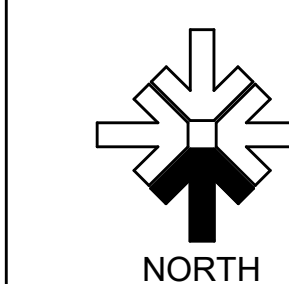
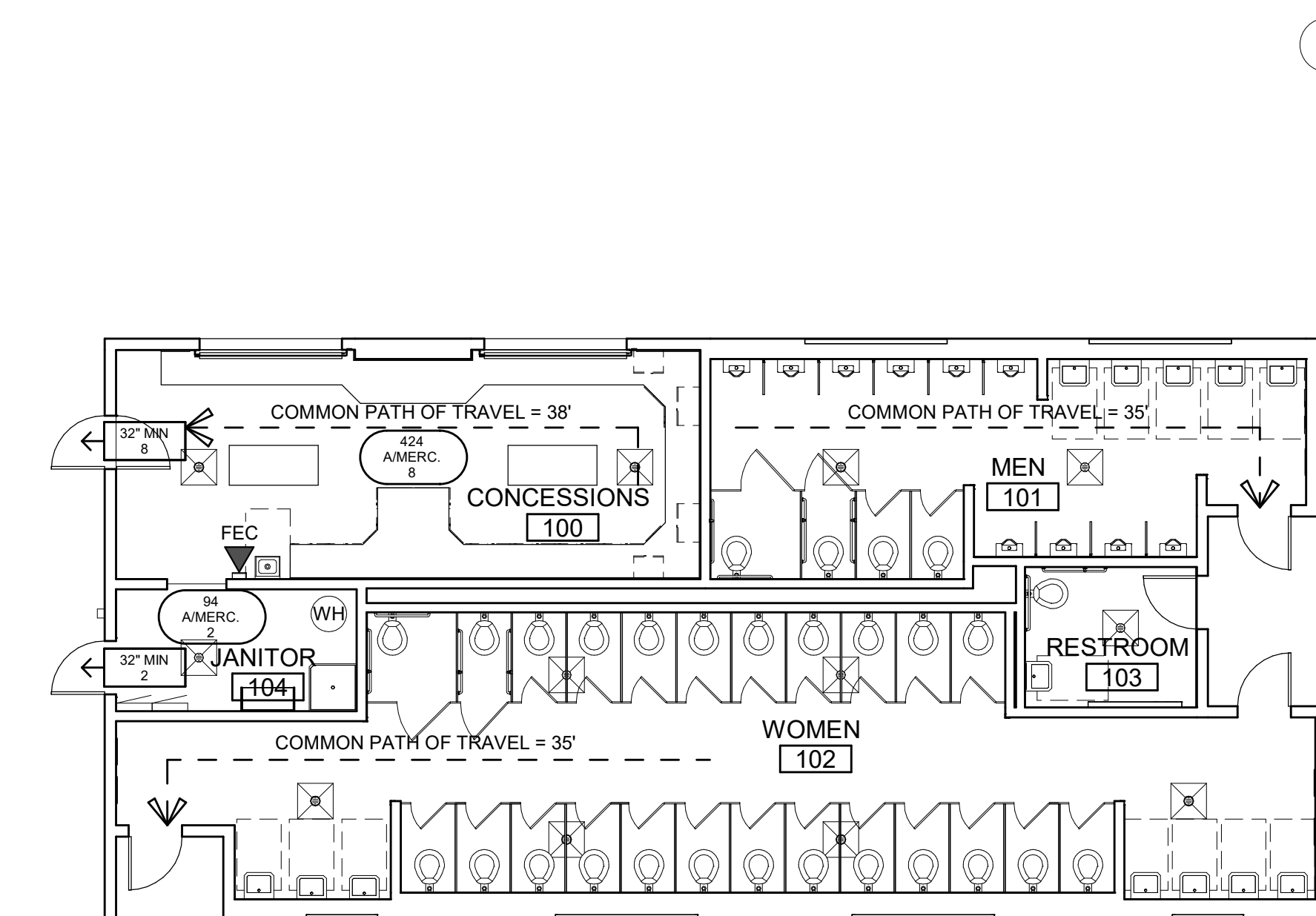
- Note: (1) Family Assisted Use toilet and lavatory provided per 1109.2.1 in addition to fixtures listed above.
- 2,000 occupants = 1/1,000 = 2 drinking fountains 2 drinking fountains provided
- 2,000 occupants = N/A = 1 service sink req'd 1 service sink provided

- Notes:
- Where urinals are provided, one water closet less than the number specified may be provided for each urinal installed, except the number of water closets in such cases shall not be reduced to less than one quarter (25%) of the minimum specified. (WAC 2902.1.1.2)



D8 CODE PLAN GRANDSTANDS

1/16" = 1'-0"



A8 CODE PLAN CONCESSIONS BUILDING

1/8" = 1'-0"

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CHECKED BY MW
JOB NUMBER 20014
REVISIONS



10685 REGISTERED ARCHITECT
MATTHEW J. WHITISH
STATE OF WASHINGTON

HANFORD HIGH SCHOOL ATHLETIC FIELD
450 HANFORD STREET
RICHLAND, WASHINGTON 99354

DATE
11/17/2020

SHEET NAME

CODE SUMMARY

SHEET

G1.01

Project Summary, pg 1 PROJ-SUM

General Info: Project Title: HHS Athletic Field, Date: 9/25/2020, Project City: Richmond, VA, Project Owner: Richmond School District - Karen Johnson

Project Description: Select all that apply to the scope of project: New Building, Existing Building Retrofit, Alteration

Occupancy Type: Mixed Use - Commercial, Group R - R2, R3, & R4 over 3 stories and all R1

Space Conditioning Categories: Fully Conditioned, Semi-heated, Refrigerated Spaces

Floor Area and Stories: Floors Above Grade: 1, Building Gross Conditioned Floor Area: 2,141

General Compliance Path: Compliance Method 1 - General, Compliance Method 2 - Total Building Performance

Note 1 - Refrigerated Spaces - They shall comply with the envelope and refrigeration equipment requirements in Section C410. Warehouse coolers and freezers shall also comply with the envelope requirements in C402. C410 takes precedence for overlapping requirements.

Envelope Summary ENV-SUM

Project Info: Project Title: HHS Athletic Field, Date: 9/25/2020, Company Name: Design West Architect, Applicant Name: Austin Parker

Project Description: Select all that apply: New Building, Addition, Alteration, No Envelope Scope

Envelope Project Scope: Select all that apply: All Commercial, Group R - Commercial, Mixed Use - Commercial + Group R

Air Barrier Testing: Air barrier testing per Section C402.5.1.2 included in project scope

Compliance Method: Compliance Method 2 - Total Building Performance

Note 1 - Refrigerated Spaces - They shall comply with the envelope and refrigeration equipment requirements in Section C410. Warehouse coolers and freezers shall also comply with the envelope requirements in C402. C410 takes precedence for overlapping requirements.

Component Performance Path, pg. 1 ENV-UA

Project Info: Project Title: HHS Athletic Field, Date: 9/25/2020, Project City: Richmond, VA, Project Owner: Richmond School District - Karen Johnson

Target Insulation Allowance: Fully Conditioned Space - Commercial, Group R, Mixed Use

Table with columns: Component, Plan/Detail #, U-factor, x Area (A), U-factor x Area (UA), Proposed UA, Target UA

Table with columns: Component, Plan/Detail #, U-factor, x Area (A), U-factor x Area (UA), Proposed UA, Target UA

Component Performance Compliance (UA) UA COMPLIES

Vertical Fenestration Target Area Adjustment Calculations

Project Title: HHS Athletic Field, Date: 9/25/2020

Proposed Areas: Vertical Fenestration, Net Above Grade Wall, Caspue Door

Target Areas - UA: Commercial, Vertical Fenestration, Metal frame, fixed, Metal frame, operable

Target Areas - SHGC x A: Non-North Vertical Fenestration, North Vertical Fenestration

Sum of target above-grade wall and vertical fenestration areas is calculated to equal the sum of proposed

Project Summary, pg 2 PROJ-SUM

General Info: Project Title: HHS Athletic Field, Date: 9/25/2020

C406 Additional Efficiency Package Options Summary: C406.0 Enhanced envelope performance, C406.1 Reduced air infiltration

C406 Comments: Options are required for all space conditioning categories. Include discipline specific information for C406 options in ENV-SUM, LTG-SUM and

Envelope Summary, pg. 2 ENV-SUM

Project Info: Project Title: HHS Athletic Field, Date: 9/25/2020

Vertical Fenestration and Skylight Area Calculation: Prescriptive Path - Enter envelope values for skylight area

Vertical Fenestration Area Compliance: VERTICAL FENESTRATION AREA COMPLIES WITH MAXIMUM ALLOWANCE

Skylight Area Compliance: NO SKYLIGHT PROPOSED, COMPLIES WITH MAXIMUM ALLOWANCE

Vertical Fenestration Alternates: High performance fenestration U-factors and SHGC per C402.4.1.3

Spaces in Single Story Building Requiring Skylights: List all enclosed spaces that exceed 2,500 sq. ft. and are space types required to comply with this provision

Envelope Exemptions: Low Energy and Semi-heated Spaces, Equipment Buildings

Component Performance Path, pg. 2 ENV-UA

Project Info: Project Title: HHS Athletic Field, Date: 9/25/2020

Target Insulation Allowance: Fully Conditioned Space - Commercial, Group R, Mixed Use

Table with columns: Component, Plan/Detail #, U-factor, x Area (A), U-factor x Area (UA), Proposed UA, Target UA

Table with columns: Component, Plan/Detail #, U-factor, x Area (A), U-factor x Area (UA), Proposed UA, Target UA

Table with columns: Component, Plan/Detail #, U-factor, x Area (A), U-factor x Area (UA), Proposed UA, Target UA

Component Performance Compliance (UA) UA COMPLIES

SHGC Calculation ENV-SHGC

Project Info: Project Title: HHS Athletic Field, Date: 9/25/2020

Target Insulation Allowance: Fully Conditioned Space - Commercial, Group R, Mixed Use

Table with columns: Skylights, Proposed SHGC, Target SHGC

Table with columns: All Non-North Vertical Fenestration, Proposed SHGC, Target SHGC

Table with columns: North Vertical Fenestration, Proposed SHGC, Target SHGC

Component Performance Compliance (SHGC) SHGC COMPLIES



DRAWN BY MW, AR CHECKED BY MW JOB NUMBER 20014 REVISIONS



1068 REGISTERED ARCHITECT MATTHEW J. WHITISH STATE OF WASHINGTON

HANFORD HIGH SCHOOL ATHLETIC FIELD 450 HANFORD STREET RICHLAND, WASHINGTON 99384

DATE 11/17/2020 SHEET NAME ENVELOPE NREC SUMMARY SHEET G1.02

SHEET NOTES:

- SEE SHEET G1.00 FOR SYMBOLS & ABBREVIATIONS.
- SECURE ALL PROJECT AREAS AT THE END OF EACH DAY.
- CONTRACTOR IS RESPONSIBLE TO RETURN/REPAIR ALL ALTERED SITE CONDITIONS TO MATCH EXISTING SITE CONDITIONS (PRIOR TO BEGINNING WORK) AS A RESULT OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN EGRESS ROUTES, OPEN SIDEWALKS AND FIRELANES THROUGHOUT THE DURATION OF THE PROJECT.
- CLEAN AND REMOVE CONSTRUCTION DEBRIS DAILY. CONTRACTOR IS RESPONSIBLE TO PROTECT AND PRESERVE ALL EXISTING ADJACENT FINISHES DURING CONSTRUCTION.
- SITE AND PROJECT SECURITY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL TAKE MEANS NECESSARY FOR SITE SECURITY. REFERENCE SPECIFICATION 01 50 00.
- CONTRACTOR SHALL COORDINATE DELIVERY ROUTES AND SHALL NOT COMPROMISE AUTOMOBILE OR EMERGENCY VEHICLE TRAFFIC ON SURROUNDING SURFACE STREETS THROUGHOUT THE DURATION OF THE PROJECT.
- COORDINATE LOCATIONS OF ON-SITE SANITARY STATIONS WITH OWNER, PRIOR TO SETTING THE UNITS.
- REFERENCE SPECIFICATION 01 10 00 FOR PROJECT SUMMARY.

01 10 00 SCHEDULE SUMMARY:

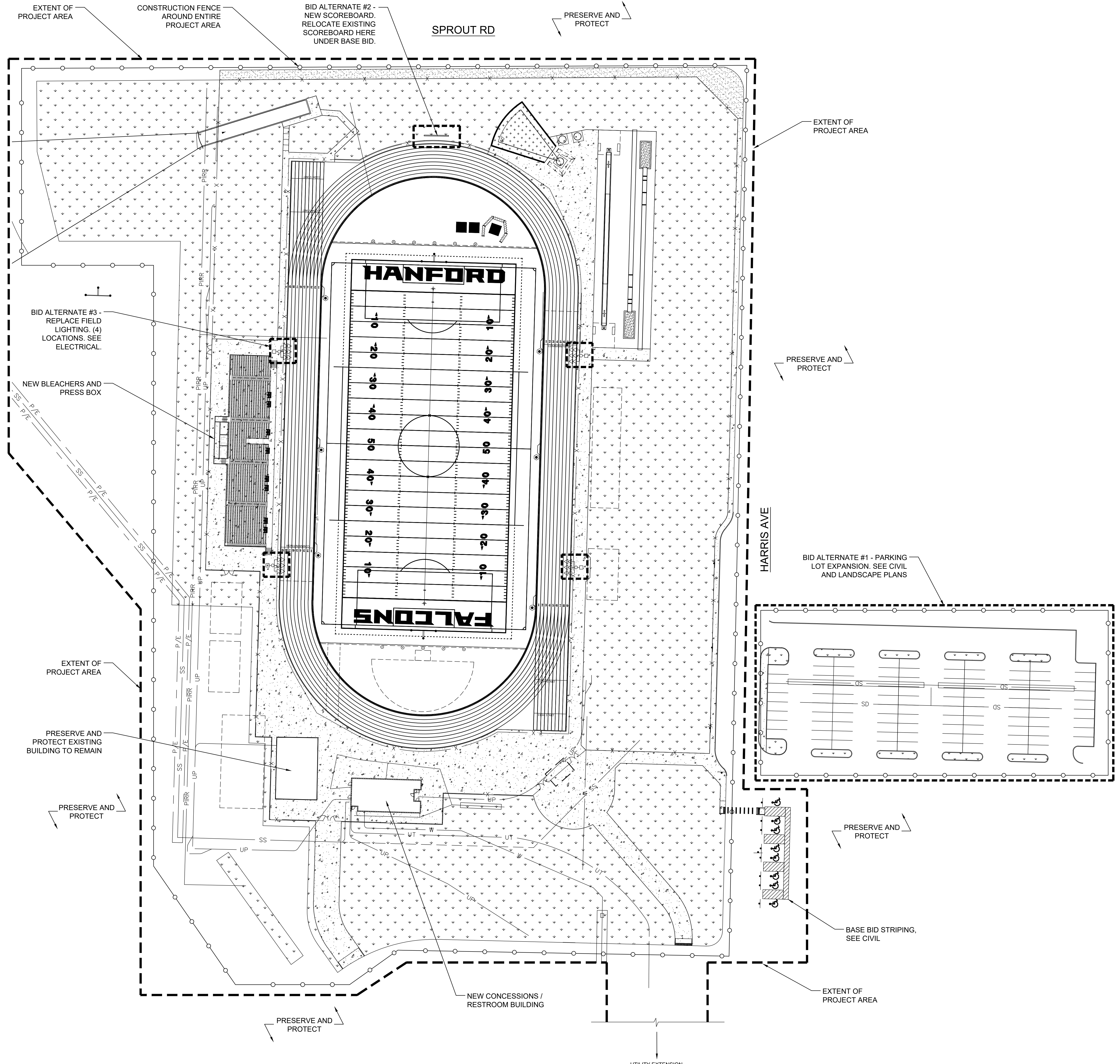
- CONTRACTUAL PERFORMANCE SCHEDULE
- THE CONTRACTOR SHALL PLAN AND EXECUTE THE WORK, INCLUDING ANY PREMIUM LABOR COSTS OR SPECIAL WORK SCHEDULING, TO COMPLY WITH ATTAINING SUBSTANTIAL COMPLETION WITHIN:
 - 242 TOTAL CONSECUTIVE CALENDAR DAYS** (FEBRUARY 1, 2021 TO OCTOBER 1, 2021). COMMENCEMENT DATE TO BE SET WITH NOTICE TO PROCEED.
- INITIAL AND COMPLETE SUBMITTALS SHALL BE RECEIVED NO LATER THAN **120 DAYS** AFTER NOTICE TO PROCEED FOR REVIEW AND COMMENT. FAILURE TO COMPLY WITH THIS DEADLINE SHALL CONSTITUTE BREACH OF CONTRACT AND SHALL BE SUBJECT TO LIQUIDATED DAMAGES. ALL CLOSEOUT SUBMITTALS SHALL BE PROCESSED TO ALLOW TIMELY PROJECT FINAL COMPLETION SHALL BE ACHIEVED WITHIN 30 CONSECUTIVE CALENDAR DAYS FOLLOWING THE ISSUANCE OF SUBSTANTIAL COMPLETION. REFERENCE SPECIFICATION 01 77 00 AND DOCUMENT A201 FOR PROJECT CLOSEOUT AND FINAL COMPLETION REQUIREMENTS.
- PROJECT FINAL COMPLETION SHALL BE ACHIEVED WITHIN 30 CONSECUTIVE CALENDAR DAYS FOLLOWING THE ISSUANCE OF SUBSTANTIAL COMPLETION. FAILURE TO COMPLY WITH THIS DEADLINE SHALL CONSTITUTE BREACH OF CONTRACT AND SHALL BE SUBJECT TO LIQUIDATED DAMAGES.

01 23 00 BID ALTERNATES:

- SCHEDULE OF ALTERNATES
- BID ALTERNATE #1: PARKING LOT EXPANSION.** ADD ALL MATERIALS AND LABOR REQUIRED TO PROVIDE THE WORK SHOWN ON DRAWINGS AND ASSOCIATED SPECIFICATIONS, AS IDENTIFIED IN THE CONTRACT DOCUMENTS.
 - BASE BID: NO PARKING LOT EXPANSION.
 - BID ALTERNATE #1: COMPLETE ALL WORK INCLUDED IN THE CIVIL AND LANDSCAPE DRAWINGS TO PROVIDE THE EXPANSION OF THE EXISTING PARKING LOT EAST OF THE ATHLETIC FIELD.
- BID ALTERNATE #2: NEW SCOREBOARD.** ADD ALL MATERIALS AND LABOR REQUIRED TO PROVIDE THE WORK SHOWN ON DRAWINGS AND ASSOCIATED SPECIFICATIONS, AS IDENTIFIED IN THE CONTRACT DOCUMENTS.
 - BASE BID: RELOCATE THE EXISTING SCOREBOARD TO THE NEW LOCATION NORTH OF THE TRACK. STRUCTURAL SUPPORT, ELECTRICAL, AND COMMUNICATIONS WORK TO BE INCLUDED IN BASE BID.
 - BID ALTERNATE #2: SUPPLY AND INSTALL NEW SCOREBOARD AND STRUCTURE AS IDENTIFIED IN STRUCTURAL DRAWINGS AND SPECIFICATION 12 93 00.
- BID ALTERNATE #3: REPLACE FIELD LIGHTING.** ADD ALL MATERIALS AND LABOR REQUIRED TO PROVIDE THE WORK SHOWN ON DRAWINGS AND ASSOCIATED SPECIFICATIONS, AS IDENTIFIED IN THE CONTRACT DOCUMENTS.
 - BASE BID: NO REPLACEMENT OF EXISTING FIELD LIGHTING FIXTURES.
 - BID ALTERNATE #3: SUPPLY AND INSTALL NEW FIELD LIGHTING FIXTURES ON EXISTING LIGHT POLES. REFERENCE DRAWINGS AND SPECIFICATION 26 56 00 FOR ADDITIONAL REQUIREMENTS.

LEGEND:

- PROJECT AREA
- 6' TALL SECURE CONSTRUCTION FENCING



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 RICHLAND, WASHINGTON 99354
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 MATTHEW J. WHITISH
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 450 HANFORD STREET
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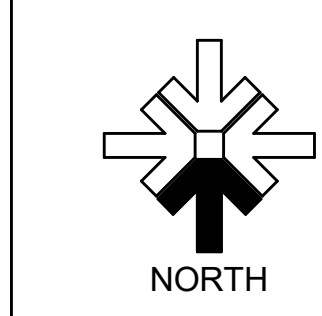
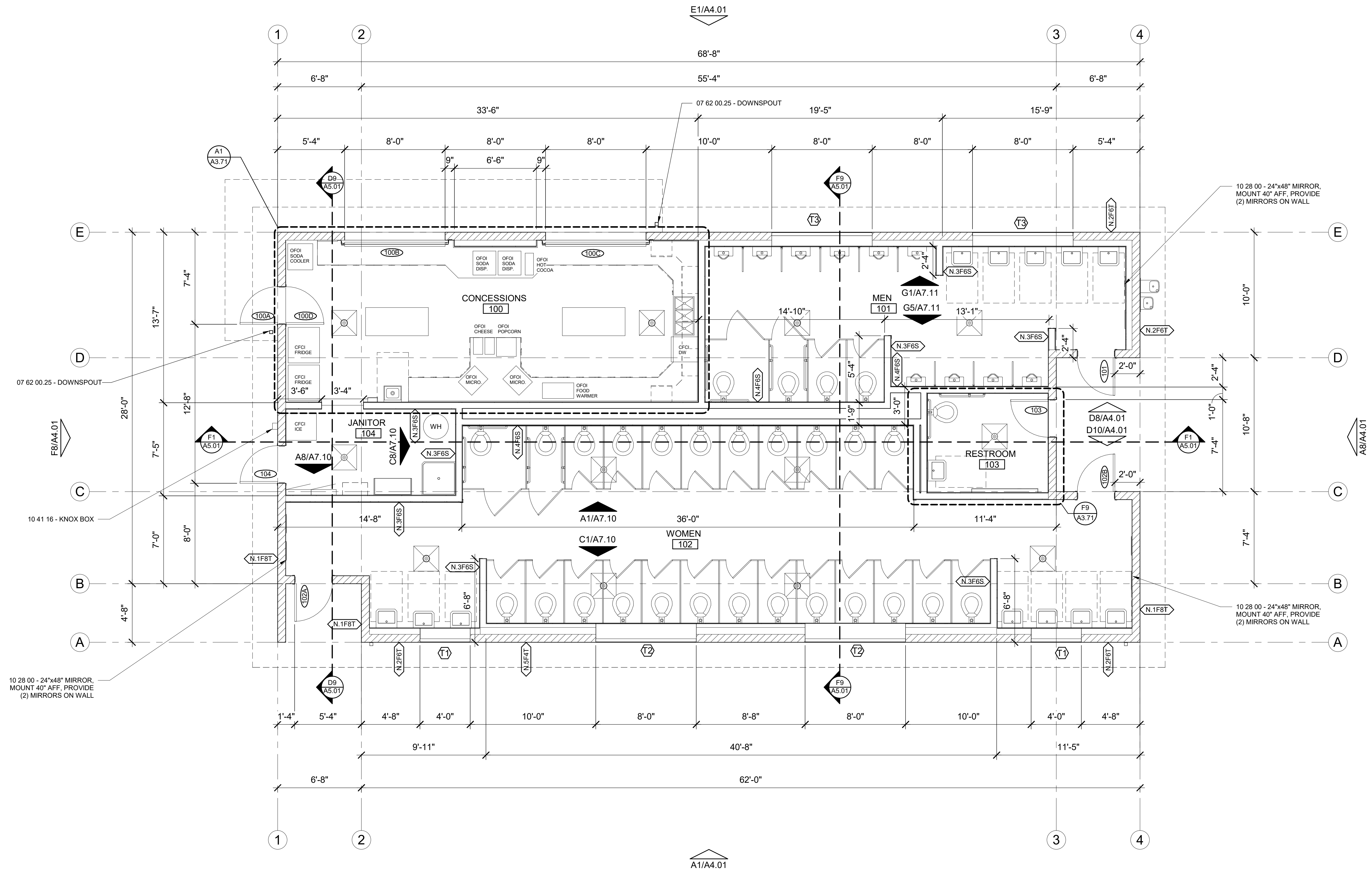
DATE
11/17/2020

SHEET NAME
PROJECT INFO

SHEET
G1.03

SHEET NOTES

- SEE SHEET G1.00 FOR SYMBOLS & ABBREVIATIONS.
- PROVIDE SOLID WOOD BLOCKING AS REQUIRED TO SUPPORT WALL HUNG EQUIPMENT, GRAB BARS, RAILINGS AND OTHER ACCESSORIES TO REQUIRE SUPPORT. VERIFY LOCATIONS PRIOR TO INSTALLATION OF GYPSUM BOARD. SEE G9/A8.21.
- DOORS AND CASED OPENINGS WITHOUT LOCATION DIMENSIONS ARE TO BE 3" FROM ADJACENT PARTITION.
- DIMENSIONS ARE FROM FACE OF STUD OR FACE OF CONCRETE U.N.O.
- INTERIOR WALL ASSEMBLIES SHALL BE FULL HEIGHT TO UNDERSIDE OF DECK ABOVE U.N.O.
- CONCEAL ALL EQUIPMENT, DEVICES AND PATHWAYS IN NEW CONSTRUCTION WITHIN PROJECT AREA.
- COORDINATE MECHANICAL & ELECTRICAL EQUIPMENT BLOCK-OUT LOCATIONS & THRU-WALL PENETRATIONS FOR GYPSUM BOARD & CMU WALLS. SEE MECHANICAL & ELECTRICAL SHEETS
- SEE SHEETS A3.41 FOR FLOOR FINISHES.
- SEE SHEET A8.00 FOR WALL & PARTITION HEAD TYPES.
- PROVIDE CONTINUOUS AIR BARRIER EXTENDING FROM SLAB TO ROOF AT ALL EXTERIOR WALLS.



A3 FIRST FLOOR
1/4" = 1'-0"

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JOB NUMBER
20014
REVISIONS



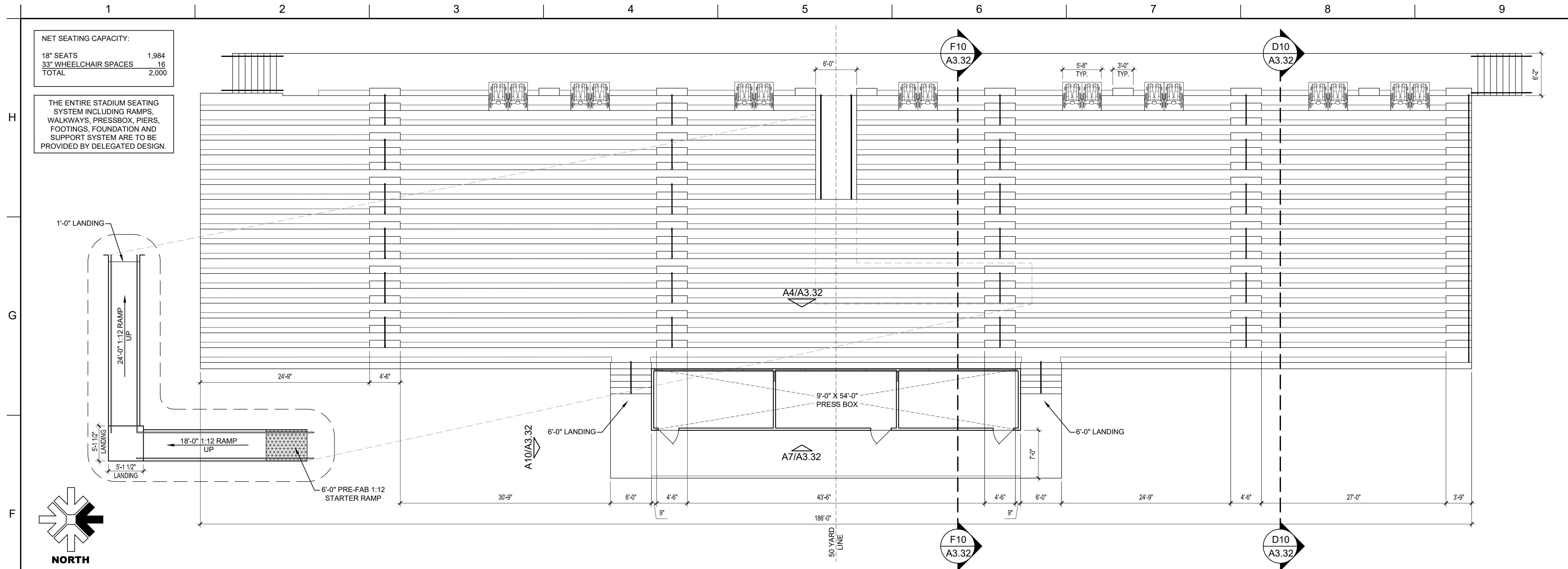
10635 REGISTERED ARCHITECT
Matthew J. Whitish
STATE OF WASHINGTON

HANFORD HIGH SCHOOL ATHLETIC FIELD
450 HANFORD STREET
RICHLAND, WASHINGTON 99354

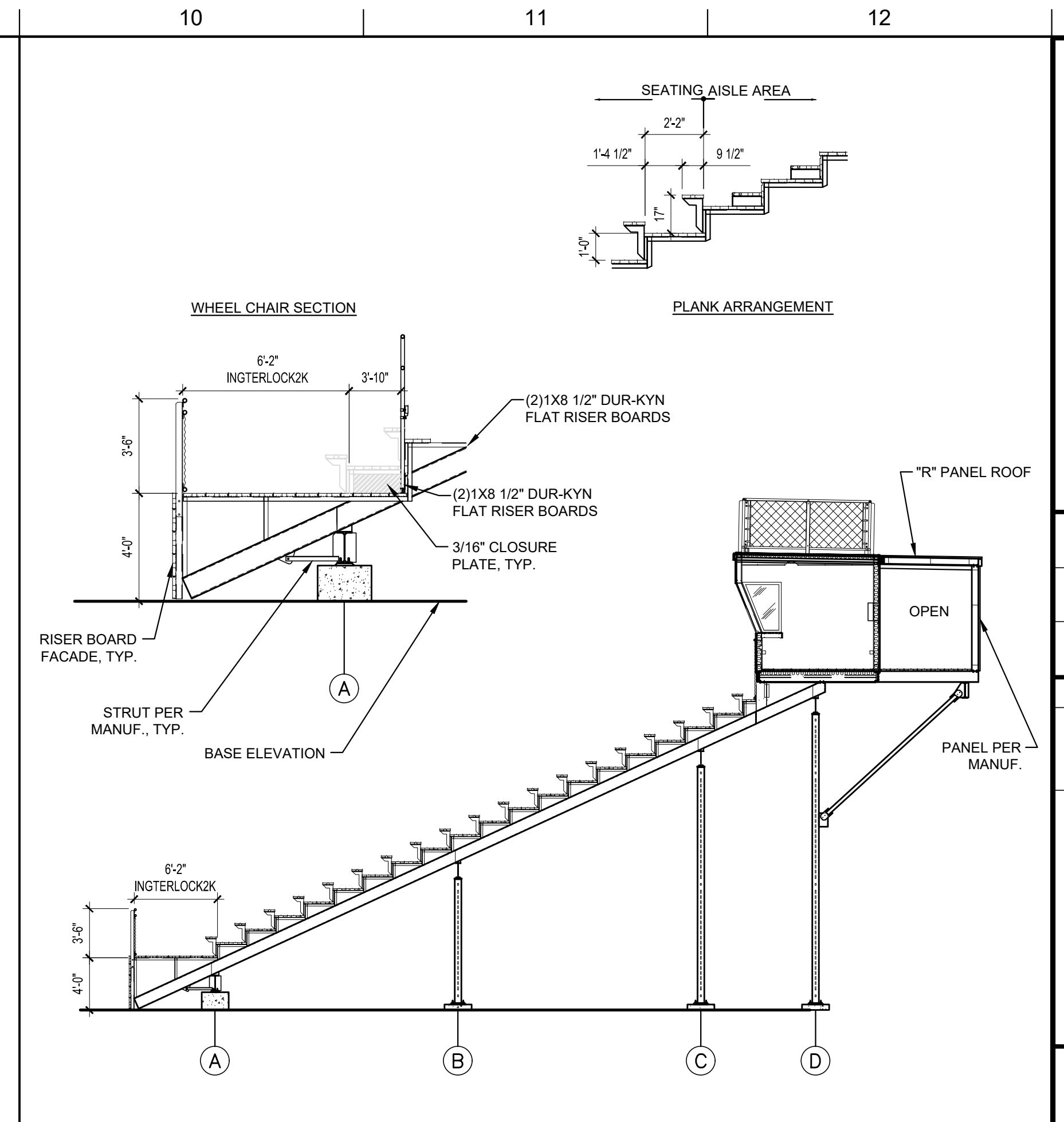
DATE
11/17/2020

SHEET NAME
FIRST FLOOR PLAN

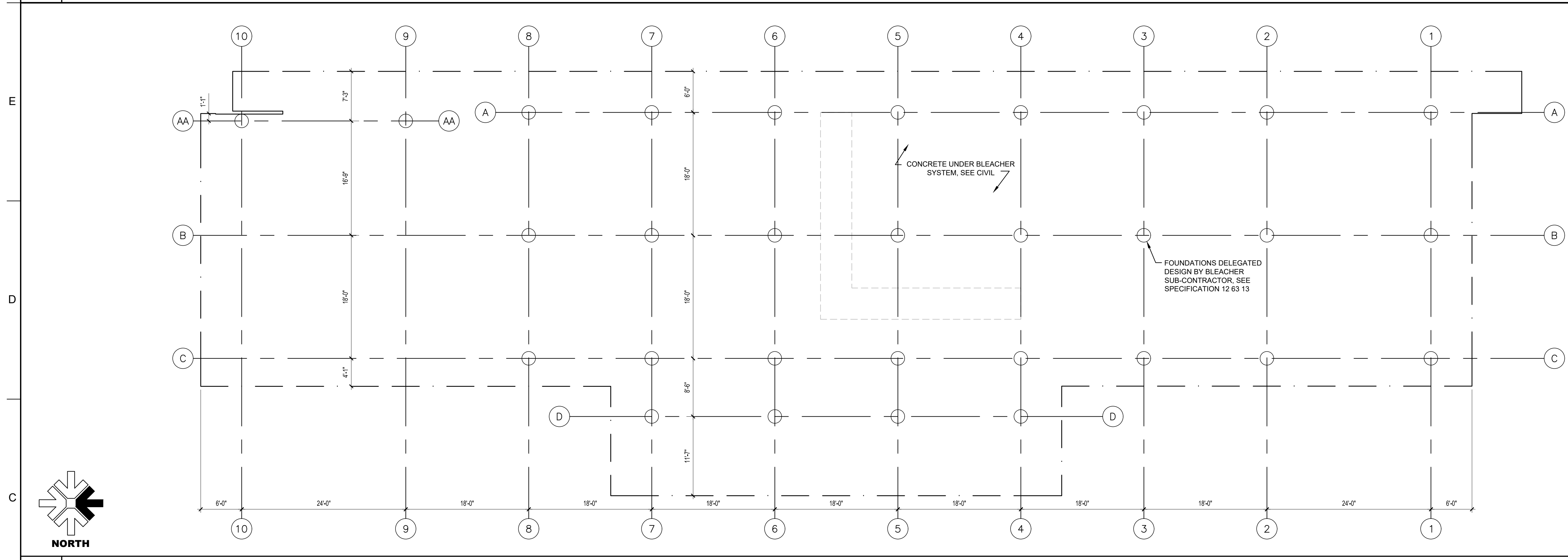
SHEET
A3.31



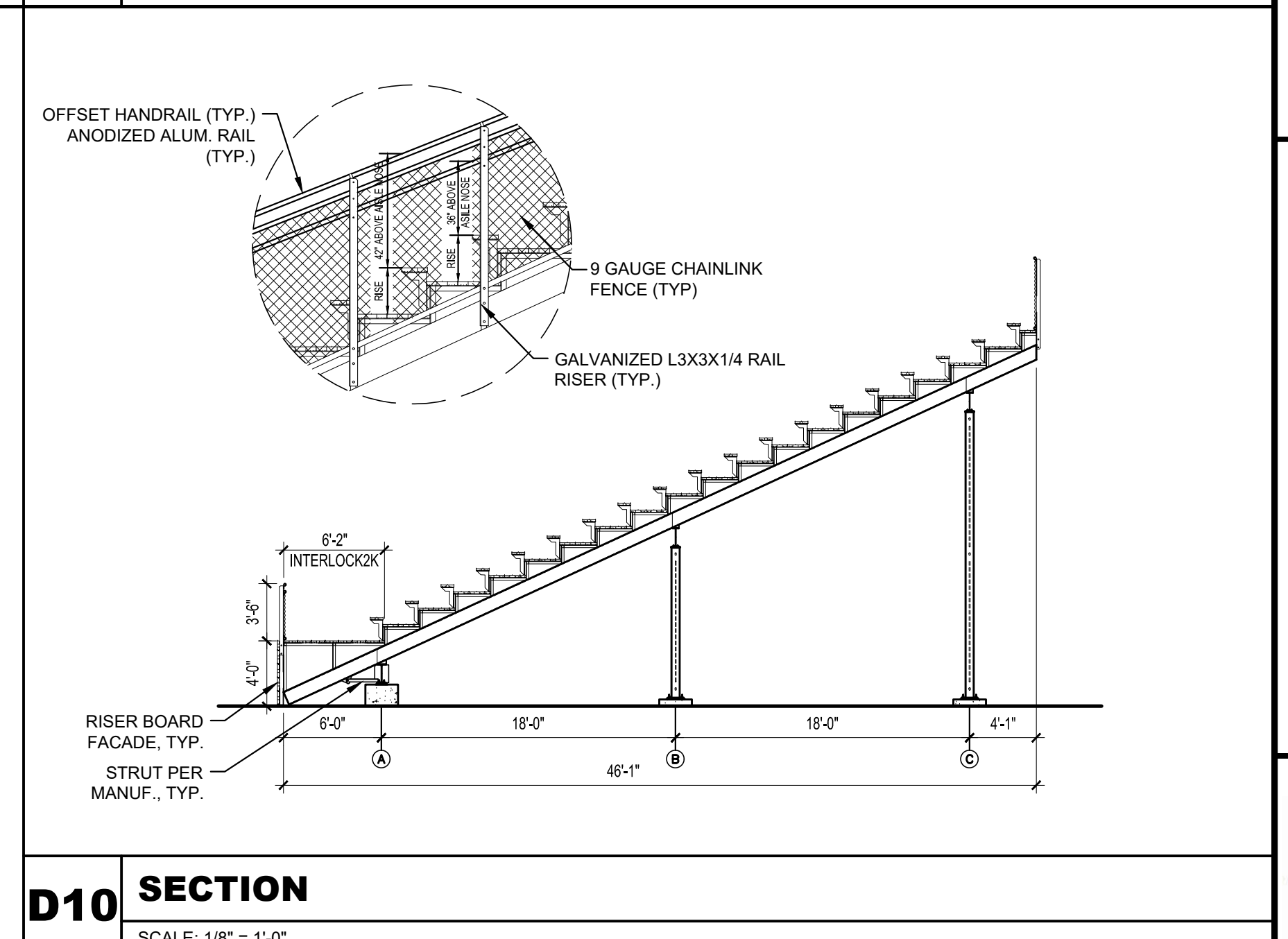
F1 SEATING LAYOUT
SCALE: 1/8" = 1'-0"



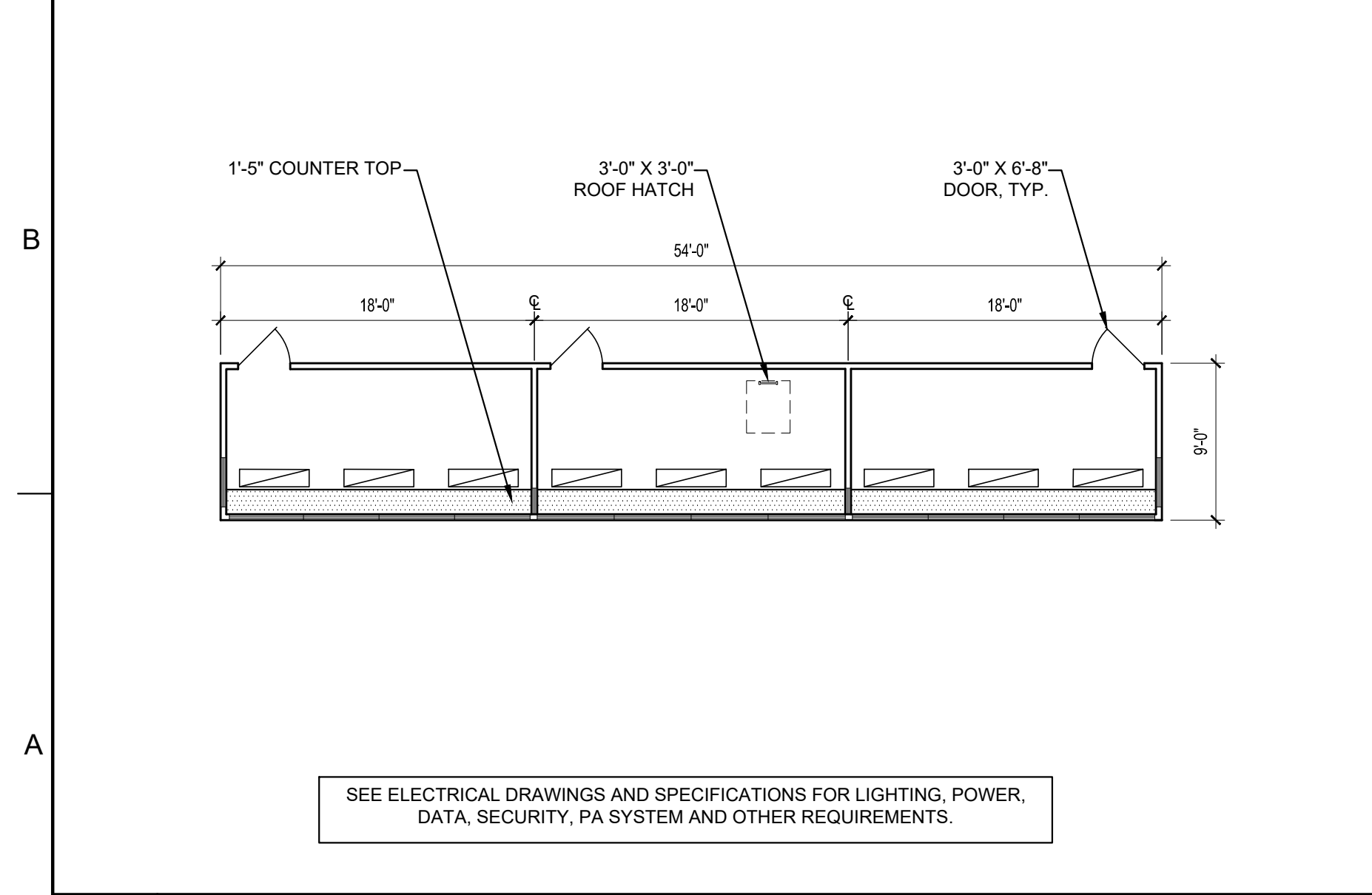
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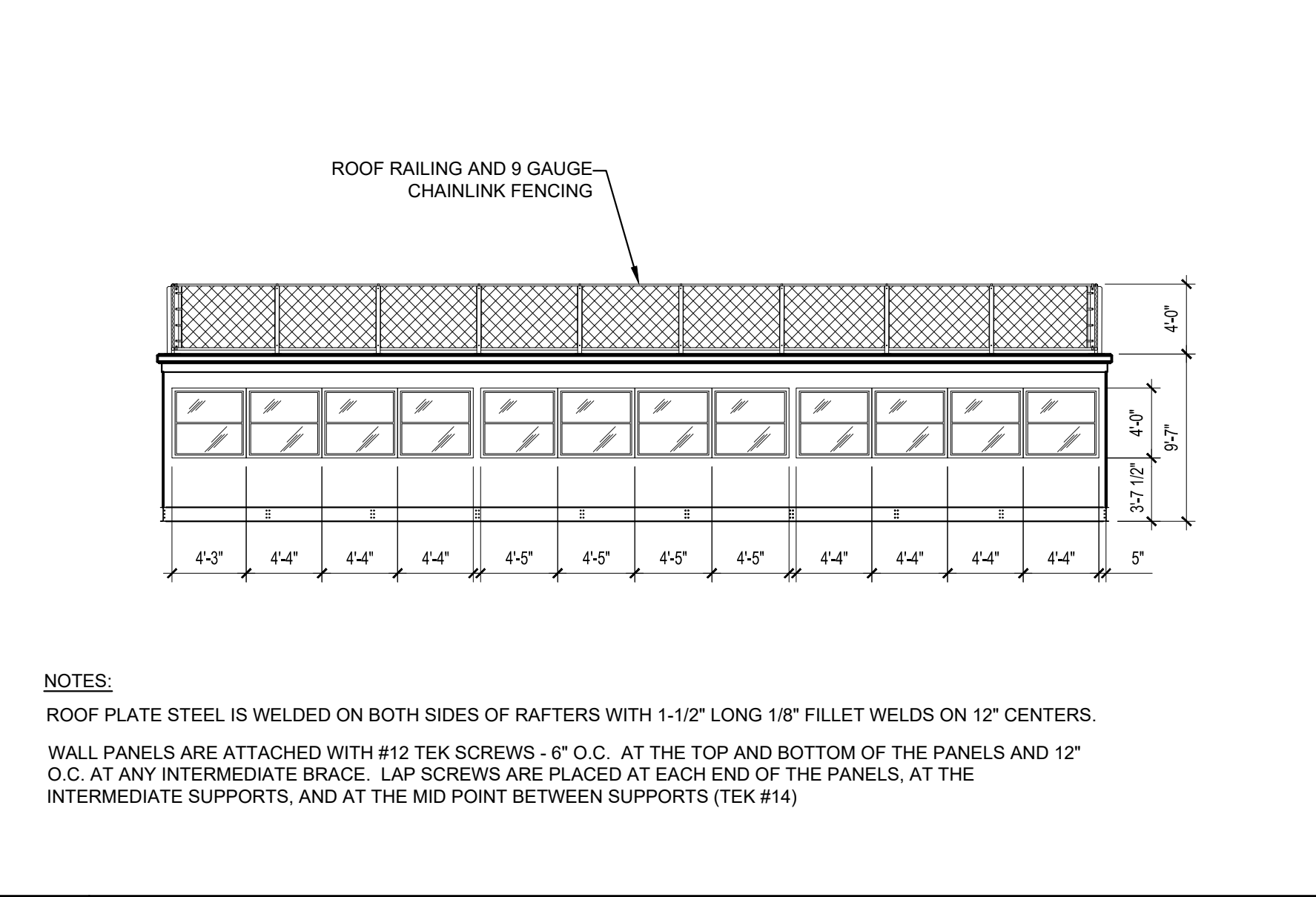
C1 FOUNDATION LAYOUT
SCALE: 1/8" = 1'-0"



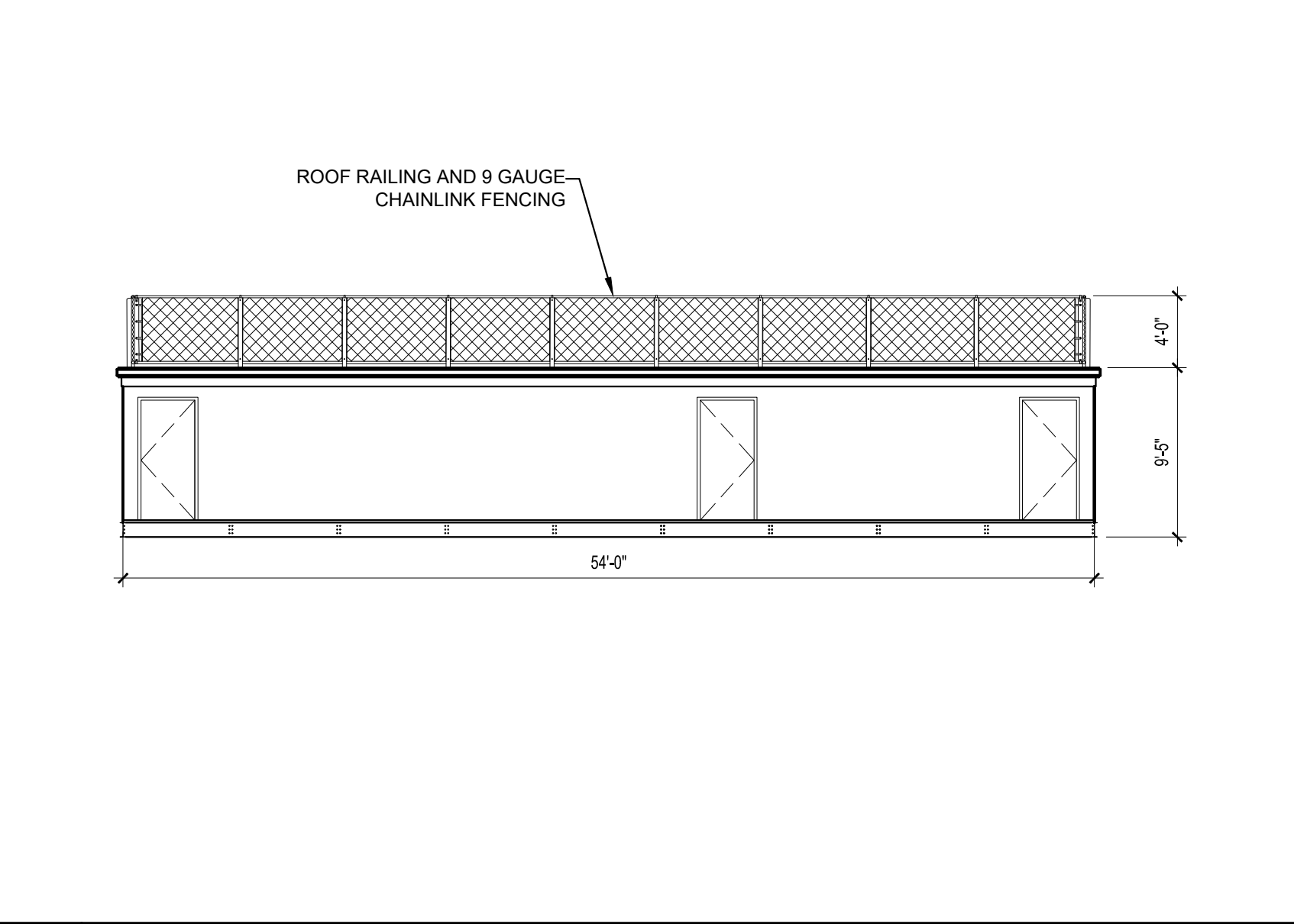
D10 SECTION
SCALE: 1/8" = 1'-0"



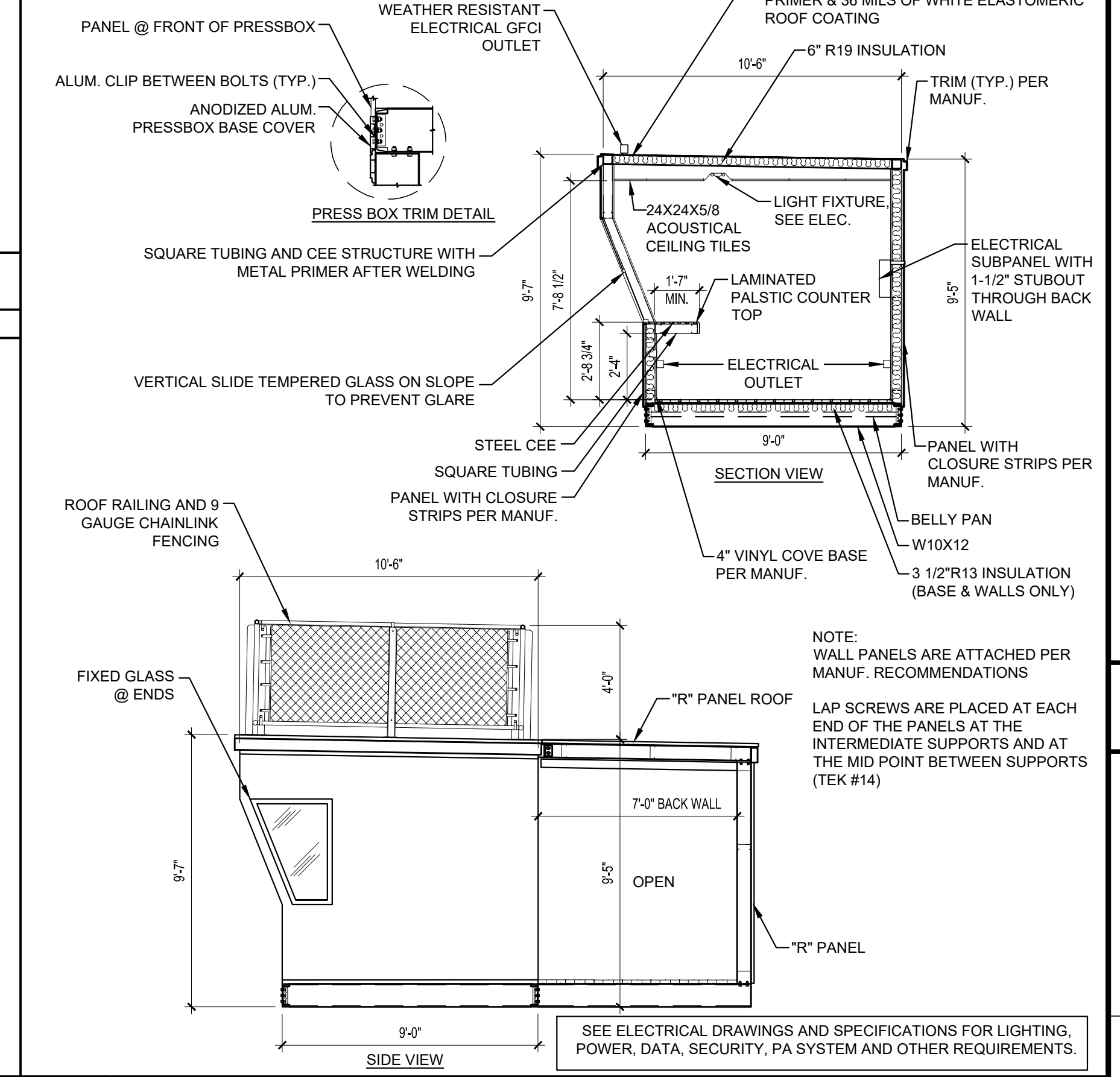
A1 PRESS BOX PLAN
SCALE: 1/8" = 1'-0"



A4 PRESS BOX - EAST ELEVATION
SCALE: 1/8" = 1'-0"



A7 PRESS BOX - WEST ELEVATION
SCALE: 1/8" = 1'-0"



A10 PRESS BOX SECTION AND ELEVATION
SCALE: 1/4" = 1'-0"

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RICHLAND, WASHINGTON 99354

DATE: 11/17/2020
SHEET NAME: GRAND-STANDS AND PRESS BOX
SHEET: A3.32

SHEET NOTES

- SEE SHEET G1.00 FOR SYMBOLS & ABBREVIATIONS.
- FLOOR FINISHES ARE CONTINUOUS IN THE ENTIRE AREA IN WHICH THEY ARE DESIGNATED, UNDER EQUIPMENT, MOVEABLE CASEWORK, AND INTO TOE KICK / KNEE SPACES
- REFERENCE SPECIFICATION 10 14 00 FOR ADDITIONAL SIGNAGE INFORMATION
- REFERENCE DETAILS A1 AND C1 ON THIS SHEET FOR ADDITIONAL SIGNAGE INFORMATION.

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR FINISH	BASE MATL	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		REMARKS
				MATL	FINISH	MATL	FINISH	MATL	FINISH	MATL	FINISH	MATL	FINISH	
100	CONCESSIONS	SEALED CONCRETE	6" RUBBER BASE	GB/CMU	PT-1, FRP	GB	PT-1, FRP	GB	PT-1, FRP	CMU	PT-1,FRP	GB	PT-1	
101	MEN	SEALED CONCRETE	6" RUBBER BASE	GB	PT-1, FRP	GB	PT-1, FRP	GB/CMU	PT-1, FRP	GB	PT-1,FRP	GB	PT-1	
102	WOMEN	SEALED CONCRETE	6" RUBBER BASE	GB/CMU	PT-1, FRP	GB/CMU	PT-1, FRP	GB/CMU	PT-1, FRP	GB/CMU	PT-1,FRP	GB	PT-1	
103	RESTROOM	SEALED CONCRETE	6" RUBBER BASE	GB	PT-1, FRP	CMU	PT-1, FRP	GB	PT-1, FRP	GB	PT-1,FRP	GB	PT-1	
104	JANITOR	SEALED CONCRETE	6" RUBBER BASE	GB	PT-1, FRP	GB	PT-1, FRP	GB	PT-1, FRP	CMU	PT-1,FRP	N.C.	PT-1	

AB	ALUMINUM BASE
ACT	ACOUSTICAL CEILING TILE
AF	ACCESS FLOOR
ASC	ACOUSTICAL SUSPENDED CEILING
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONC TOP	SELF LEVELING CONCRETE TOPPING
CPT	CARPET
FF	FACTORY FINISH
FRP	FIBER REINFORCED PLASTIC
GB	GYPSON BOARD
HPC	HONED & POLISHED CONCRETE
MDF	MEDIUM DENSITY FIBERBOARD
NA	NOT APPLICABLE
NC	NO CEILING
NF	NO FINISH
PFS	PAINTED FLOOR SEALER
PLAM	PLASTIC LAMINATE
PT	PAINT
QT	QUARRY TILE
RB	RUBBER BASE
RS	RUBBER STAIR TREAD, RISER & STRINGER
RT	RUBBER TILE
SC	SEALED CONCRETE
STL	STEEL
SV	SHEET VINYL
TILE	TILE
VCT	VINYL COMPOSITE TILE
VWC	VINYL WALL COVERING
WALK	WALK OFF MATT TILE CARPETING
WD	WOOD

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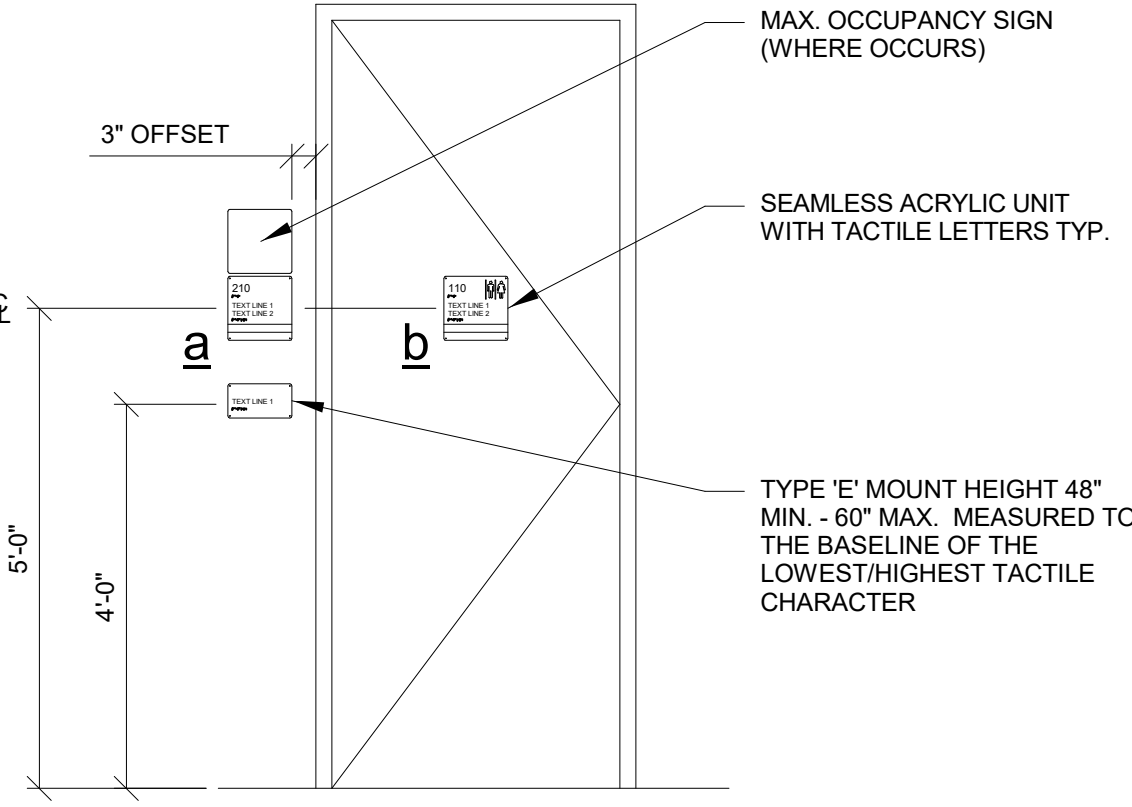
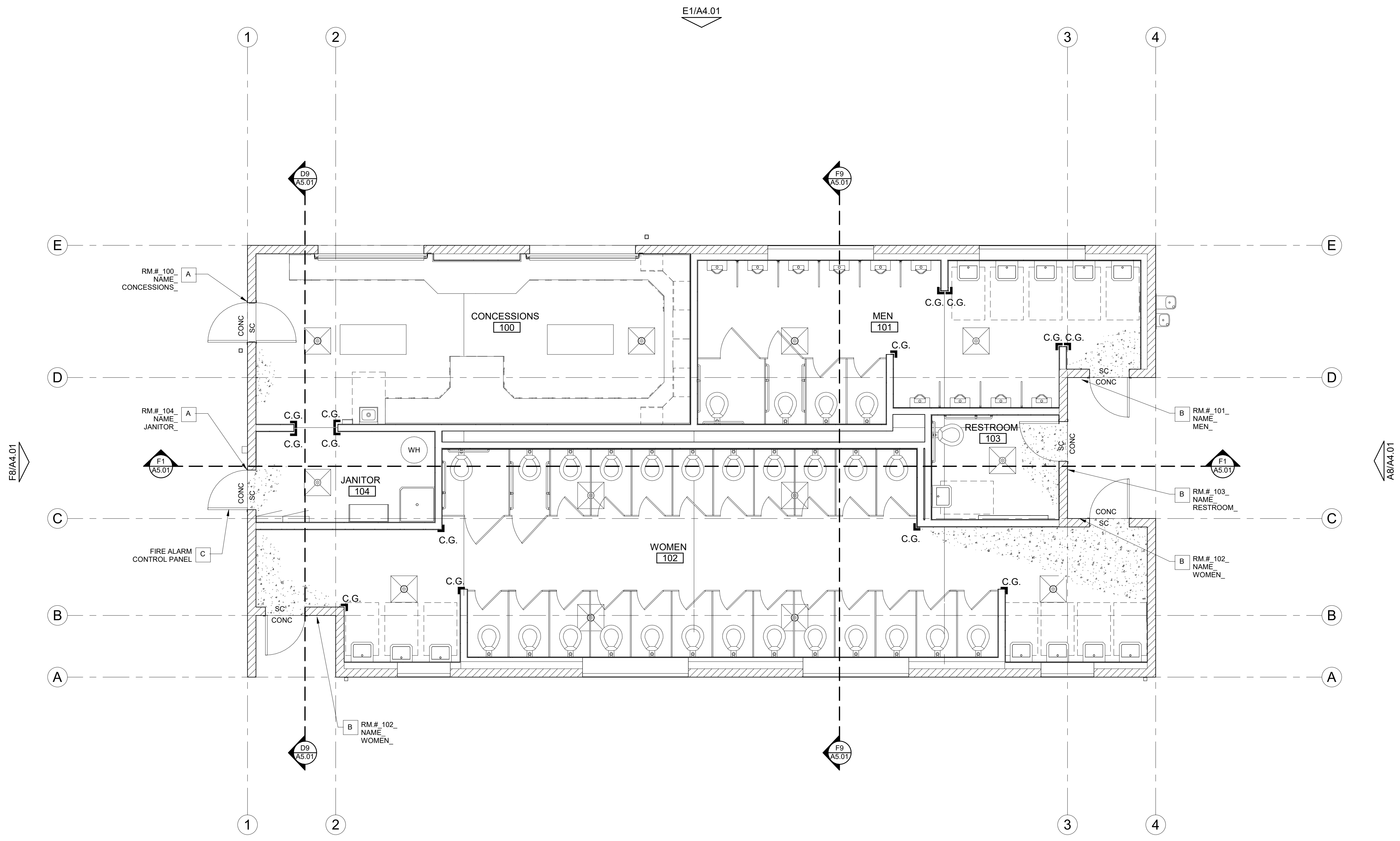
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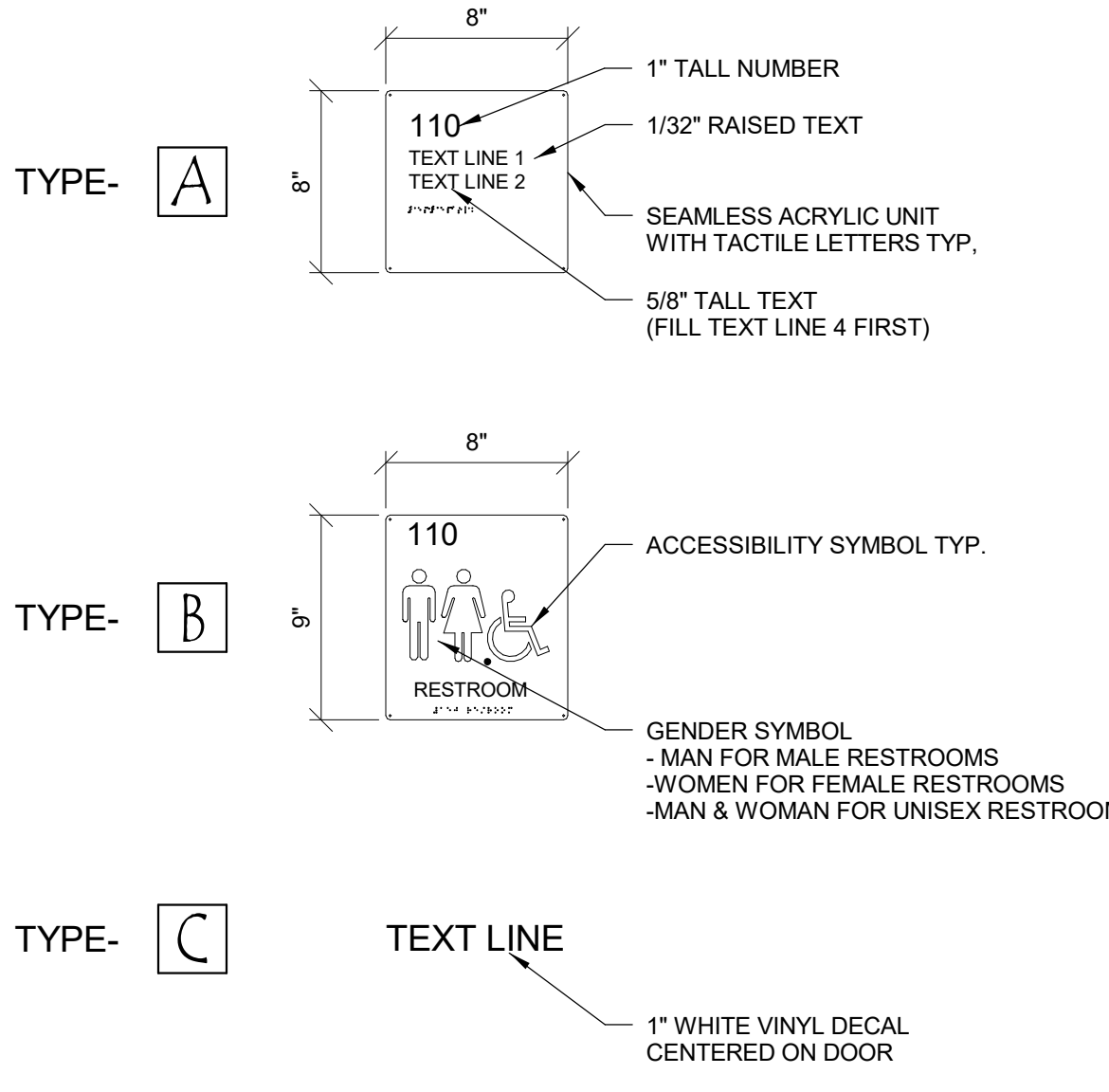
FINISH LEGEND

- SC SEALED CONCRETE
SPEC 03 30 00 AND 09 91 00
- C.G. CORNER GUARD SPEC 10 26 13
STAINLESS STEEL, SEE G3A8.21



- NOTES**
- LOCATION INSTRUCTIONS:
 - FIRST CHOICE - ON WALL 3" ADJACENT TO DOOR (EITHER SIDE)
 - SECOND CHOICE - CENTER ON DOOR TO ROOM (VERIFY WITH ARCHITECT PRIOR TO INSTALLING ON DOOR)
 - SEE SPECIFICATION 10 14 00

C1 ROOM SIGN MOUNTING LOCATIONS
SCALE: 1/2" = 1'-0" ROOM SIGN MOUNTING LOCATIONS



A1 SIGNAGE TYPE
SCALE: N.T.S. SIGNAGE TYPE

A3 FIRST FLOOR FINISH AND SIGNAGE PLAN
SCALE: 1/4" = 1'-0"

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DATE
11/17/2020
SHEET NAME
FIRST FLOOR FINISH PLAN AND SIGNAGE

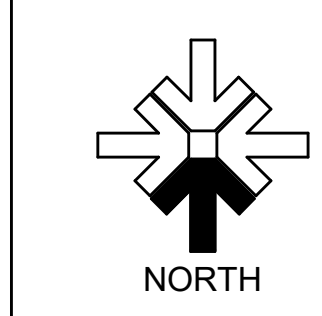
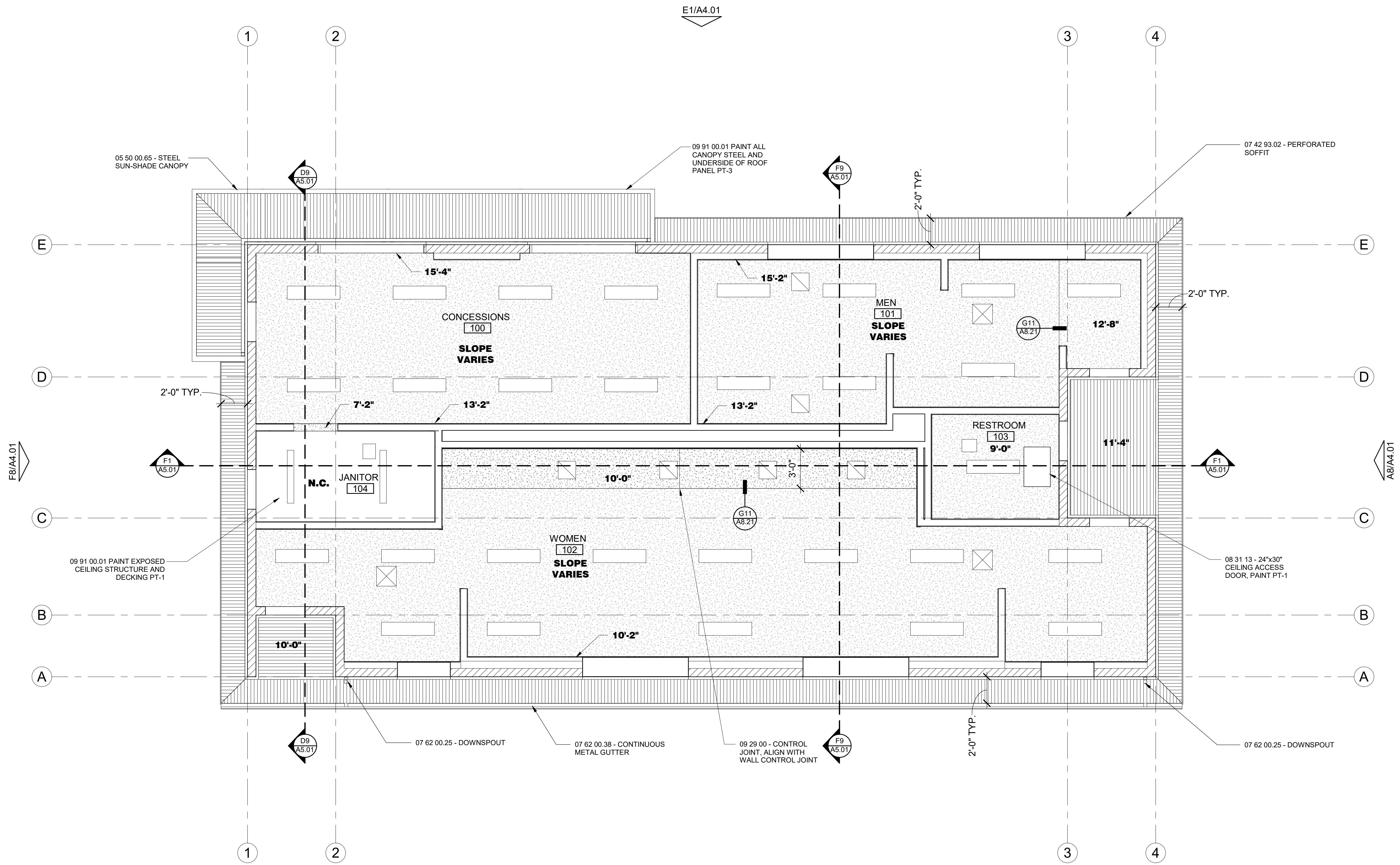
SHEET
A3.41

SHEET NOTES

- SEE SHEET G1.00 FOR SYMBOLS & ABBREVIATIONS.
- SEE ELECTRICAL LIGHTING PLANS FOR FIXTURE LOCATIONS.
- SEE MECHANICAL TO COORDINATE GRILLE LOCATIONS
- INTERIOR WALL ASSEMBLIES SHALL BE FULL HEIGHT TO UNDERSIDE OF DECK ABOVE U.N.O.
- PAINT ALL EXPOSED DUCTWORK, GRILLES, FASTENERS AND OTHER RELATED ACCESSORIES.
- CONTRACTOR TO VERIFY FINISH CEILING HEIGHTS WITH ALL ABOVE CEILING EQUIPMENT BEFORE STARTING CEILING SYSTEM INSTALLATION.
- COORDINATE TRUSS BRIDGING W/ MECHANICAL AND ELECTRICAL EQUIPMENT AND VERIFY ATTIC AND CEILING EQUIPMENT LOCATIONS BEFORE INSTALLING TRUSS BRIDGING.
- PAINT ALL GYPSUM BOARD CEILING AND SOFFITS PT-1 UNLESS NOTED OTHERWISE - SEE FINISH SCHEDULE.
- FOR ALL EXTERIOR WALL MOUNT LIGHTING SEE EXTERIOR ELEVATIONS AND ELECTRICAL
- HARD LID CEILINGS AND SOFFITS SPANNING LESS THAN 12'-0" SHALL BE 2x4 STUDS AT 16" O.C. U.N.O.

LEGEND

- 07 42 93.02 - PERFORATED SOFFIT
- 09 29 00.01 - (1) LAYER GYP. BD. CEILING, SMOOTH LEVEL 4 FINISH, PAINTED
- SEE ELECTRICAL FOR LIGHTING FIXTURES AND CEILING MOUNTED ELECTRICAL DEVICES
- SEE MECHANICAL FOR SUPPLY, RETURN, AND EXHAUST GRILLES
- 10'-0" CEILING HEIGHT A.F.F.
- N.C.** NO CEILING



A3 REFLECTED CEILING PLAN
1/4" = 1'-0"

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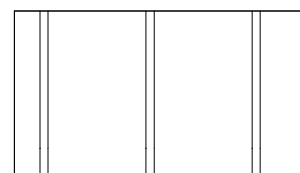
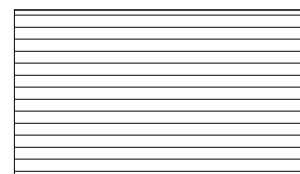
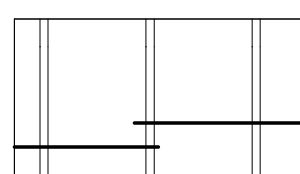
SHEET NAME
REFLECTED CEILING PLAN

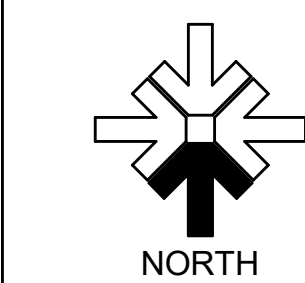
SHEET
A3.51

SHEET NOTES

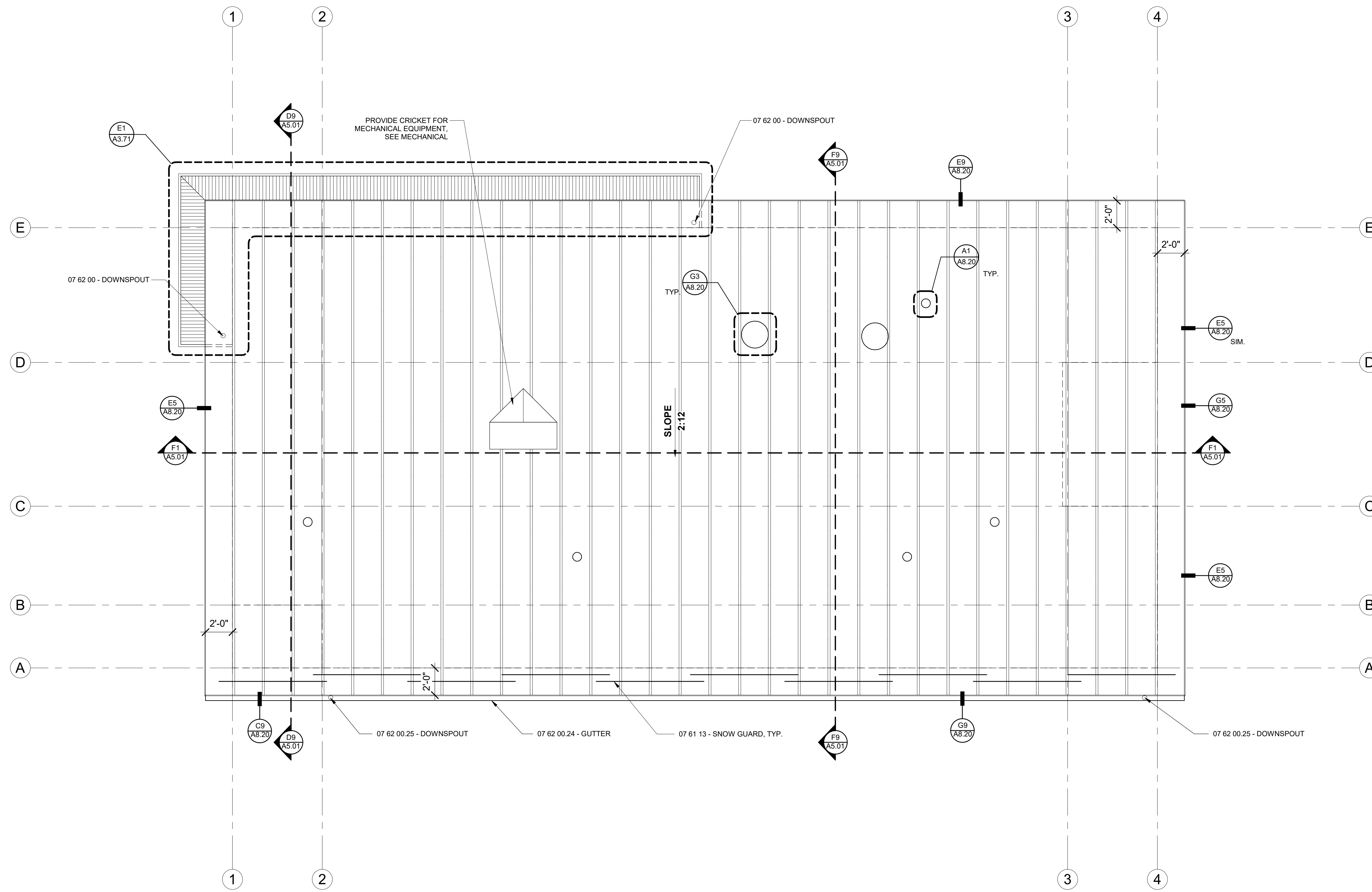
- SEE SHEET G1.00 FOR SYMBOLS & ABBREVIATIONS.
- PROVIDE ALL NECESSARY ROOFING ACCESSORIES INCLUDING: REGLETS, BINDER BARS, FLASHING, COLLARS & BOOTS, FASTENERS, ETC. FOR A COMPLETE WARRANTED ROOF SYSTEM INSTALLATION.
- PRIOR TO ROOFING INSTALLATION, CONTRACTOR SHALL PHYSICALLY INSPECT ROOF SLOPE TO VERIFY ADEQUATE DRAINAGE.
- ALL EXPOSED METAL AND FLASHING TO BE PREFINISHED SHEET METAL FLASHING AND TRIM (07 62 00). MATCH ADJACENT MATERIAL COLOR BEING FLASHED.
- VERIFY LOCATIONS AND QUANTITY OF ROOF VENT/ROOF CAP PENETRATIONS WITH HVAC-PLUMBING DRAWINGS. PROVIDE FLASHINGS AND/OR CURBS AS REQ'D. ACCORDING TO ROOF SYSTEM MFR. RECOMMENDED STANDARD DETAILS. SEE DETAILS A1 AND G3 ON SHEET A8.20.
- REFER TO STRUCTURAL DRAWINGS FOR WALL SUPPORTS AND COORDINATE DURING ROOF FRAMING STAGE IN ORDER TO LOCATE AND ESTABLISH EXACT LOCATIONS OF SUPPLEMENTAL FRAMING FOR ROOF AND WALL OPENINGS.
- PROVIDE SNOW MELT HEAT TRACE AT ALL ROOF DRAINS, DOWNSPOUTS AND GUTTERS. SEE ELECTRICAL AND E1/A8.20

LEGEND

-  07 61 13.01 - STANDING SEAM METAL ROOF ASSEMBLY
-  07 41 13.01 - ROOF PANEL
-  07 61 13 - SNOW GUARD



A3 ROOF PLAN
1/4" = 1'-0"



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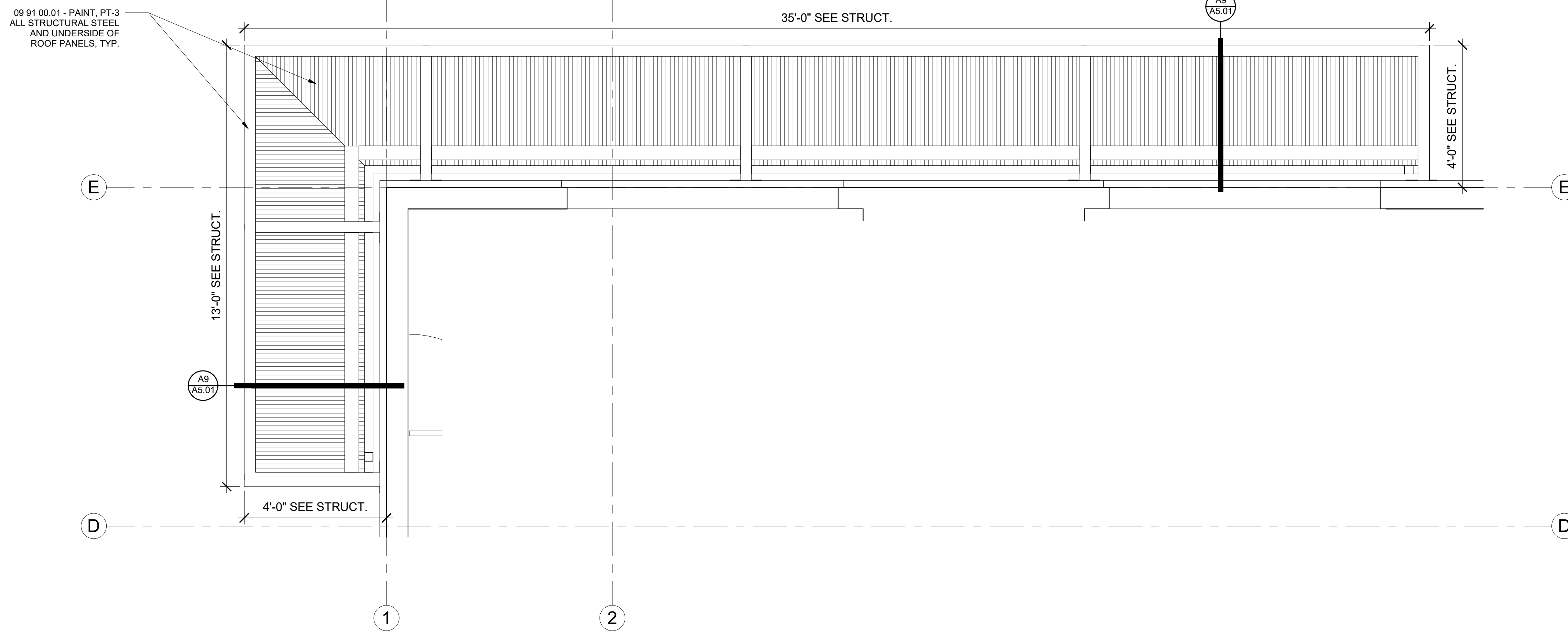
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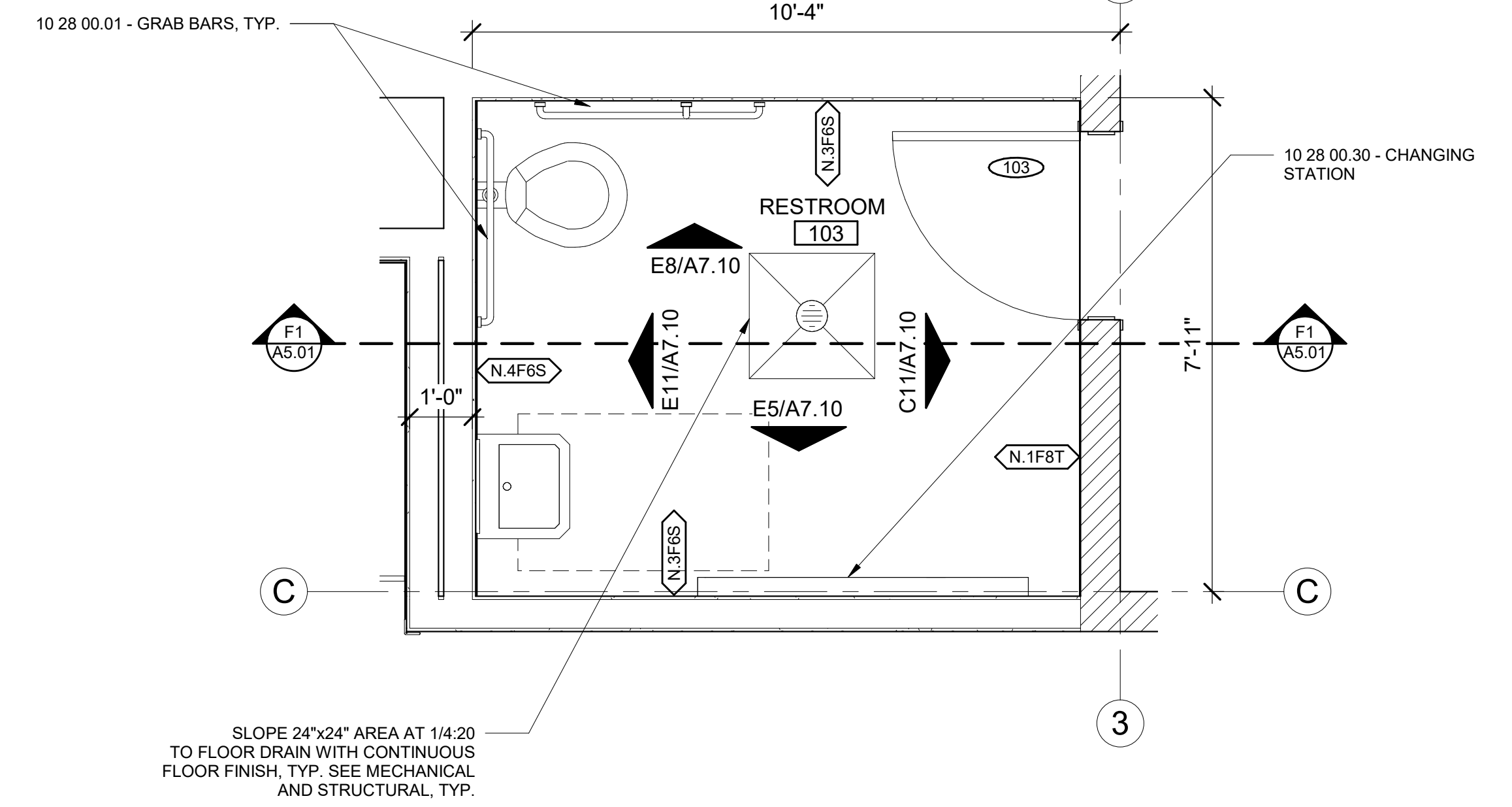
SHEET NAME
ROOF PLAN

SHEET
A3.60



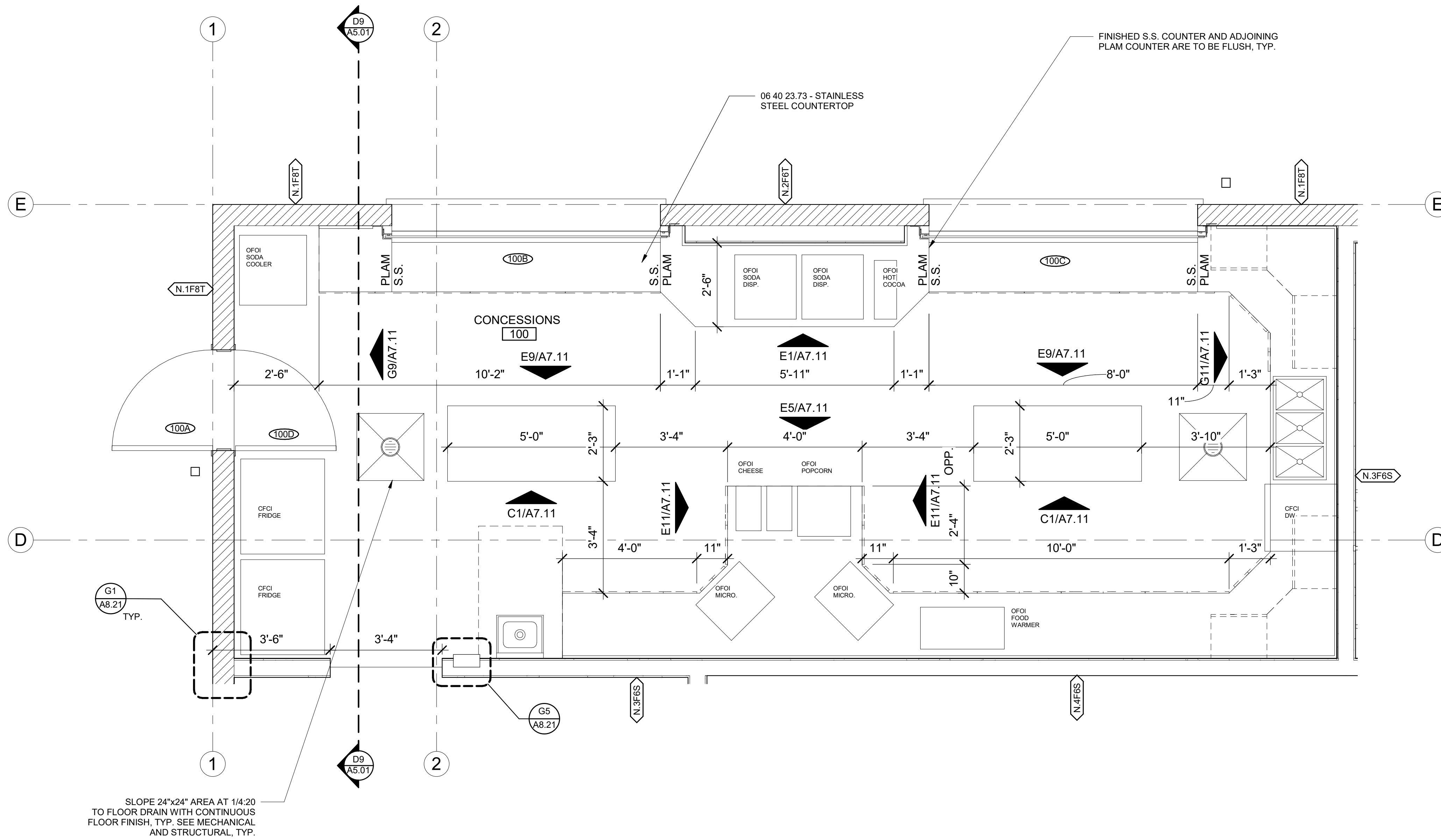
E1 ENLARGED CANOPY PLAN

1/2" = 1'-0"



F9 ENLARGED FLOOR PLAN - RESTROOM

1/2" = 1'-0"



A1 ENLARGED FLOOR PLAN - CONCESSION

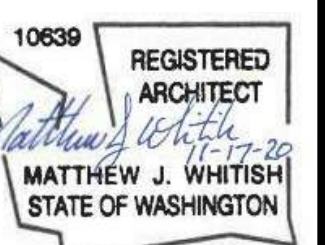
1/2" = 1'-0"

REFERENCE 10 28 00 FOR OFCI TOILET ACCESSORIES



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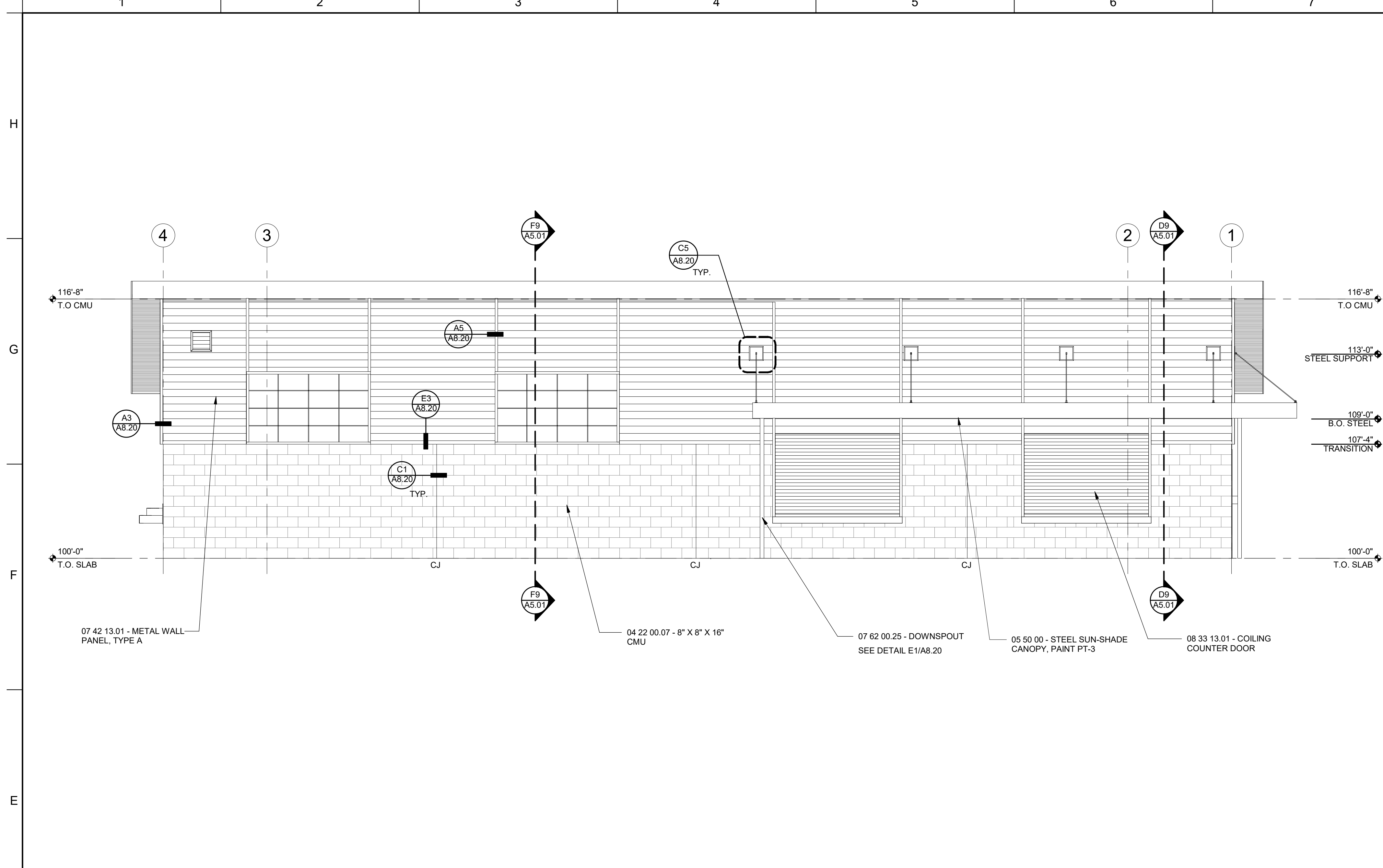


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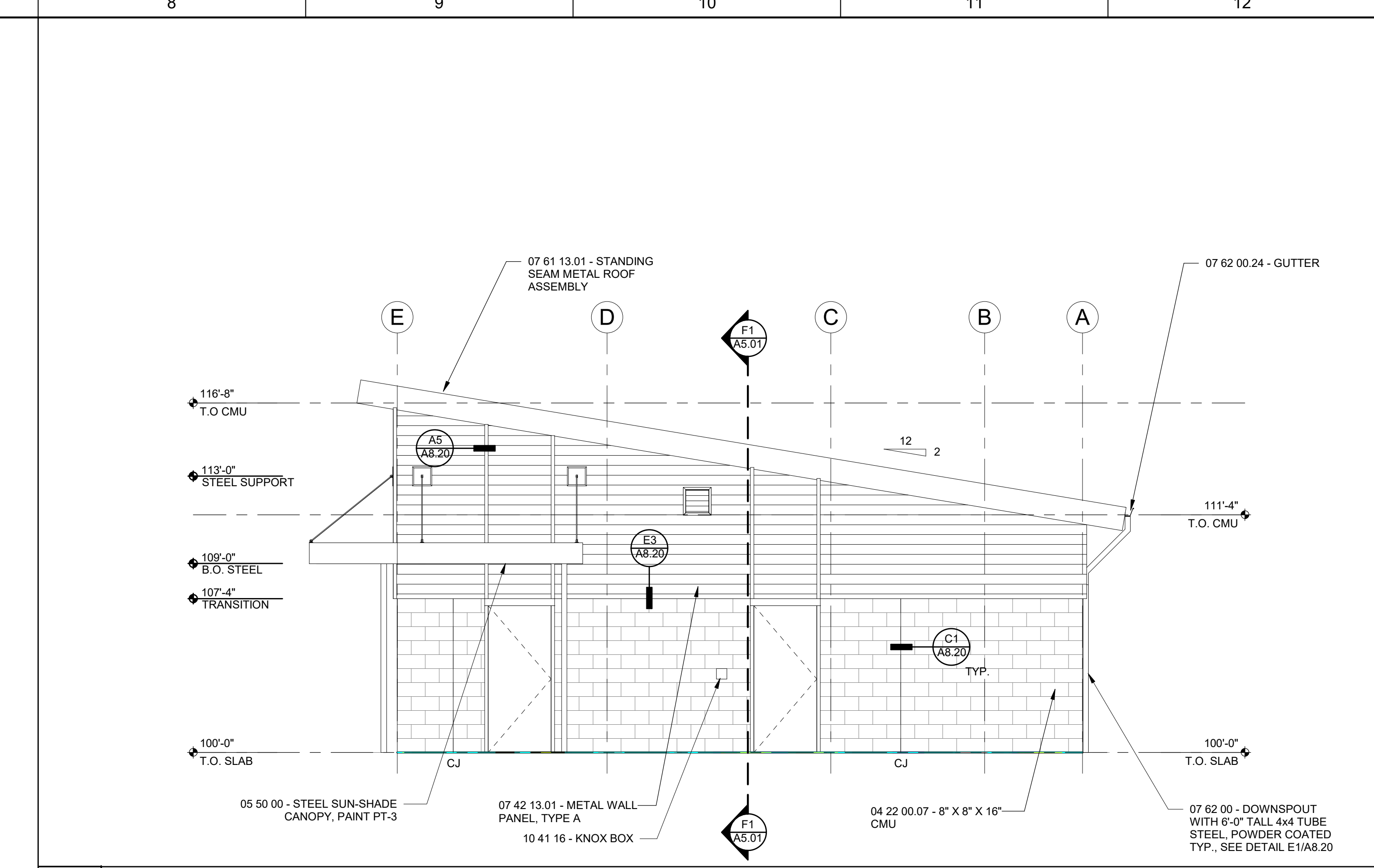
SHEET NAME
ENLARGED PLANS

SHEET
A3.71



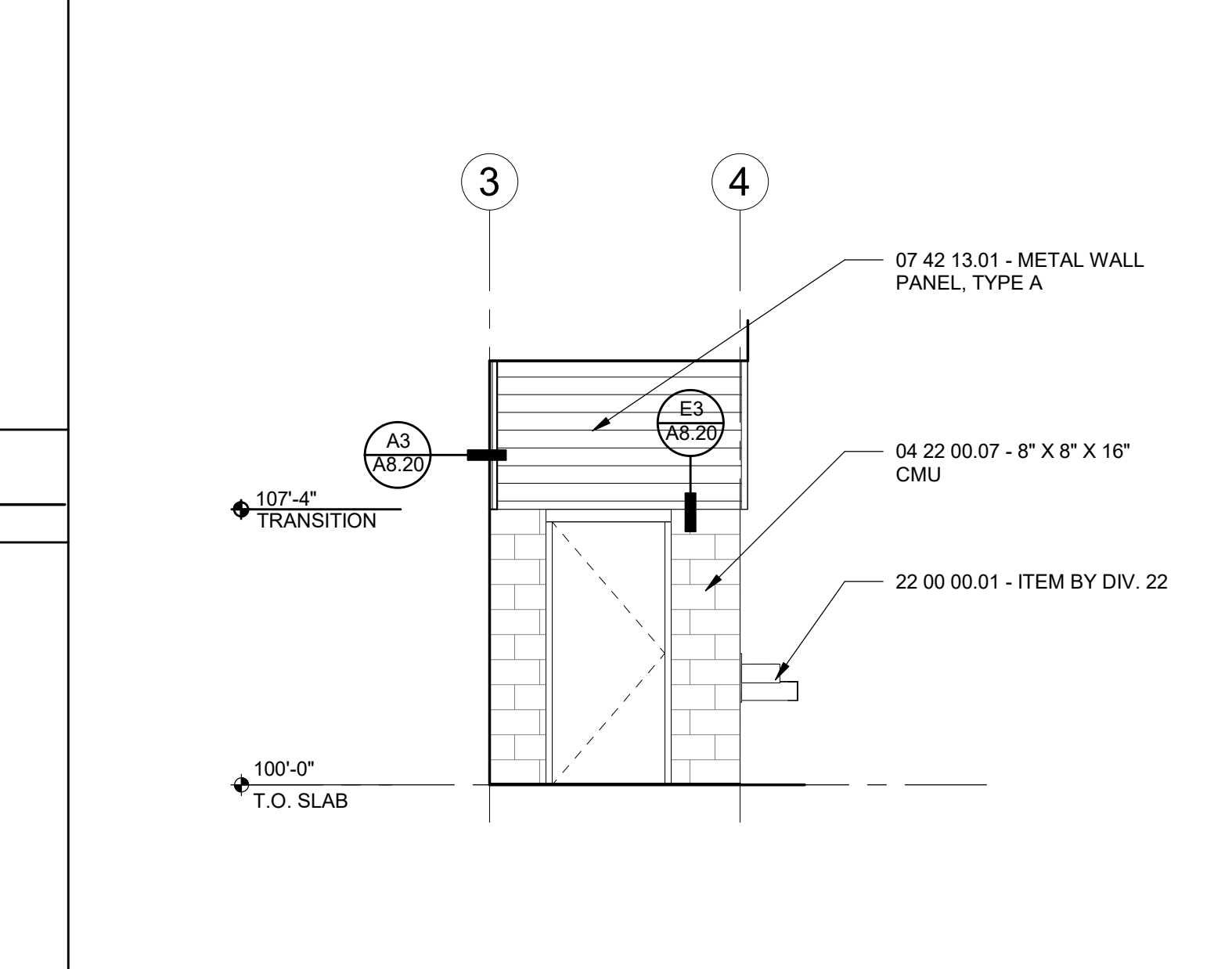
E1 NORTH ELEVATION

1/4" = 1'-0"



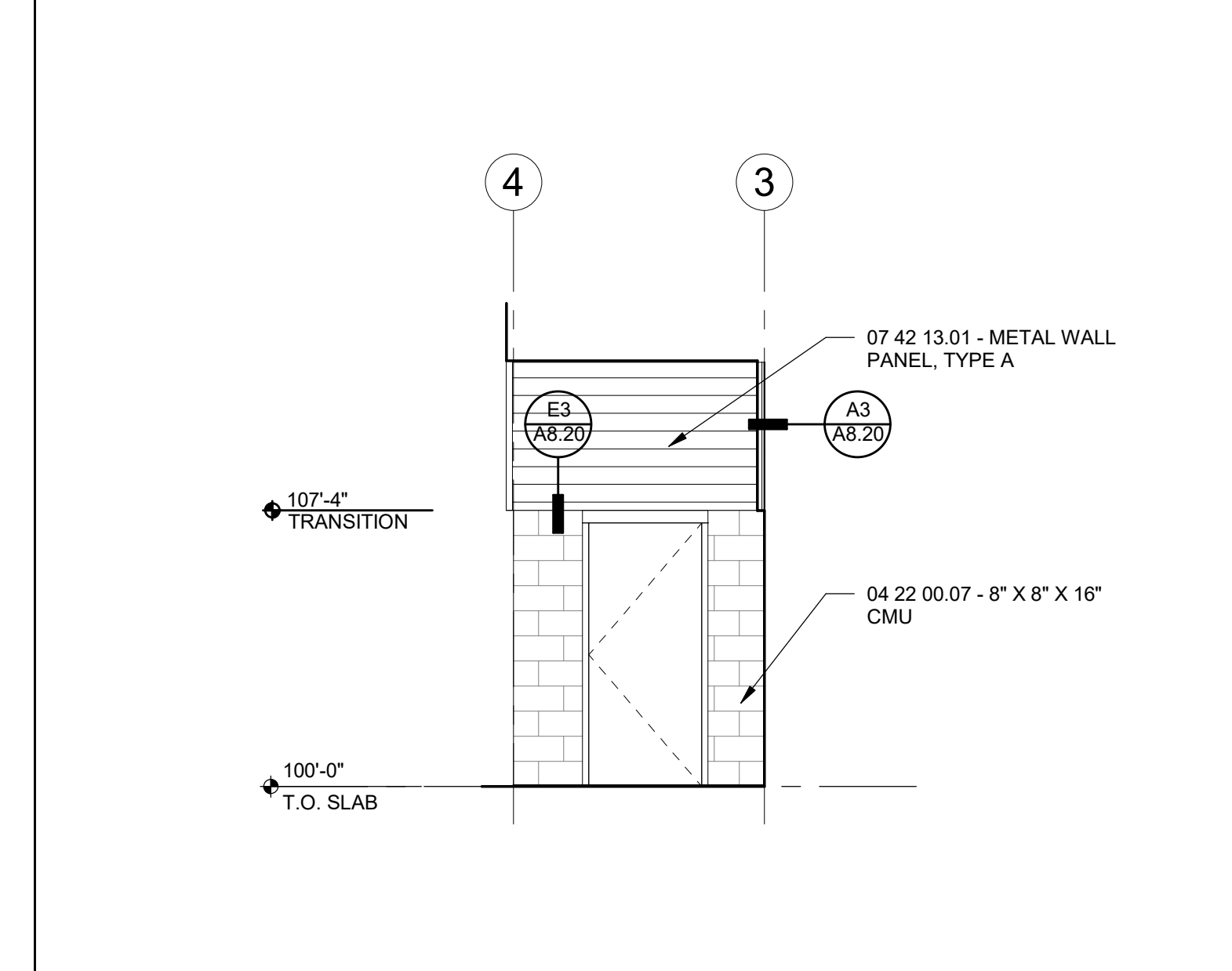
F8 WEST ELEVATION

1/4" = 1'-0"



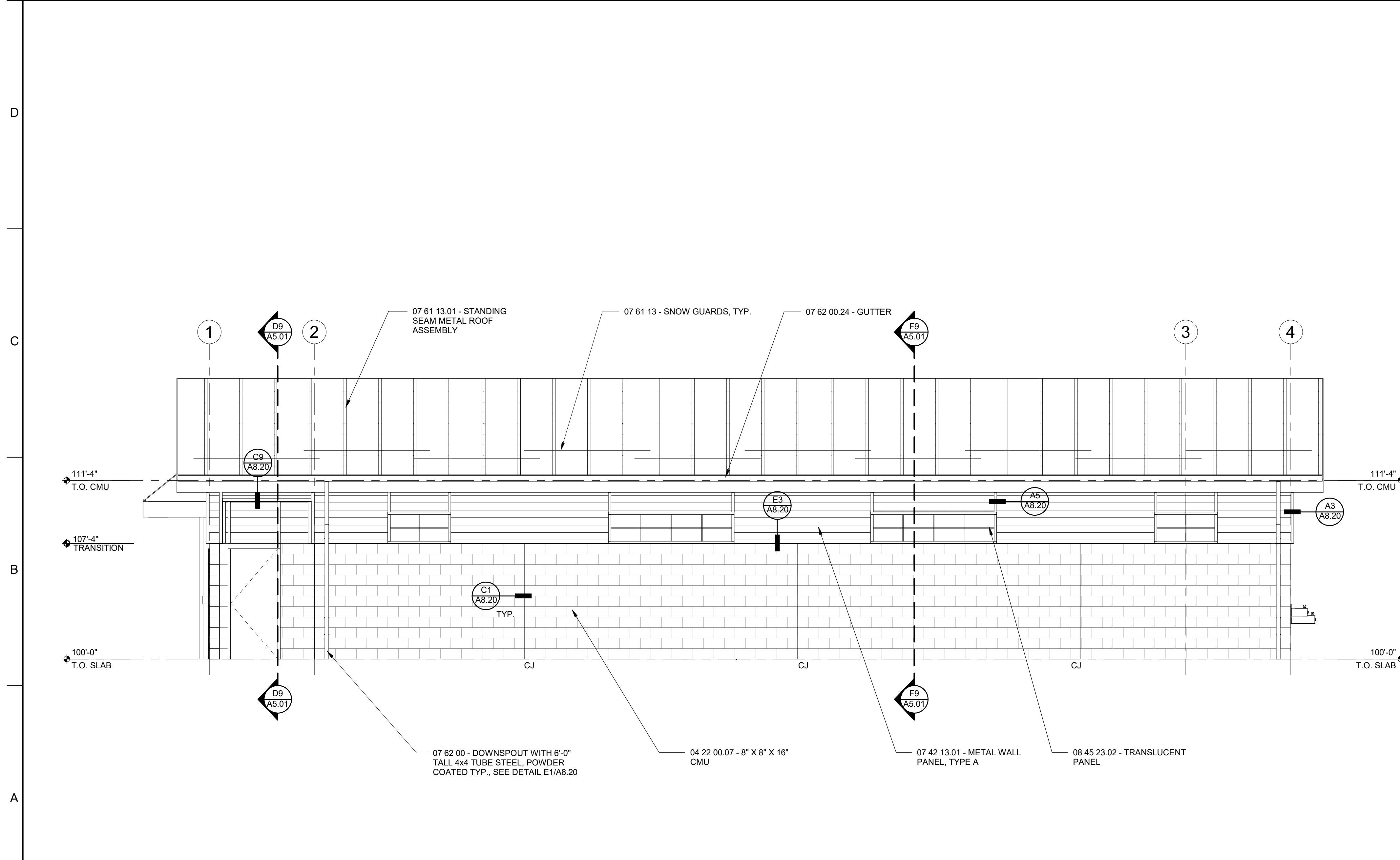
D8 SOUTH ELEVATION - RESTROOM ENTRY

1/4" = 1'-0"



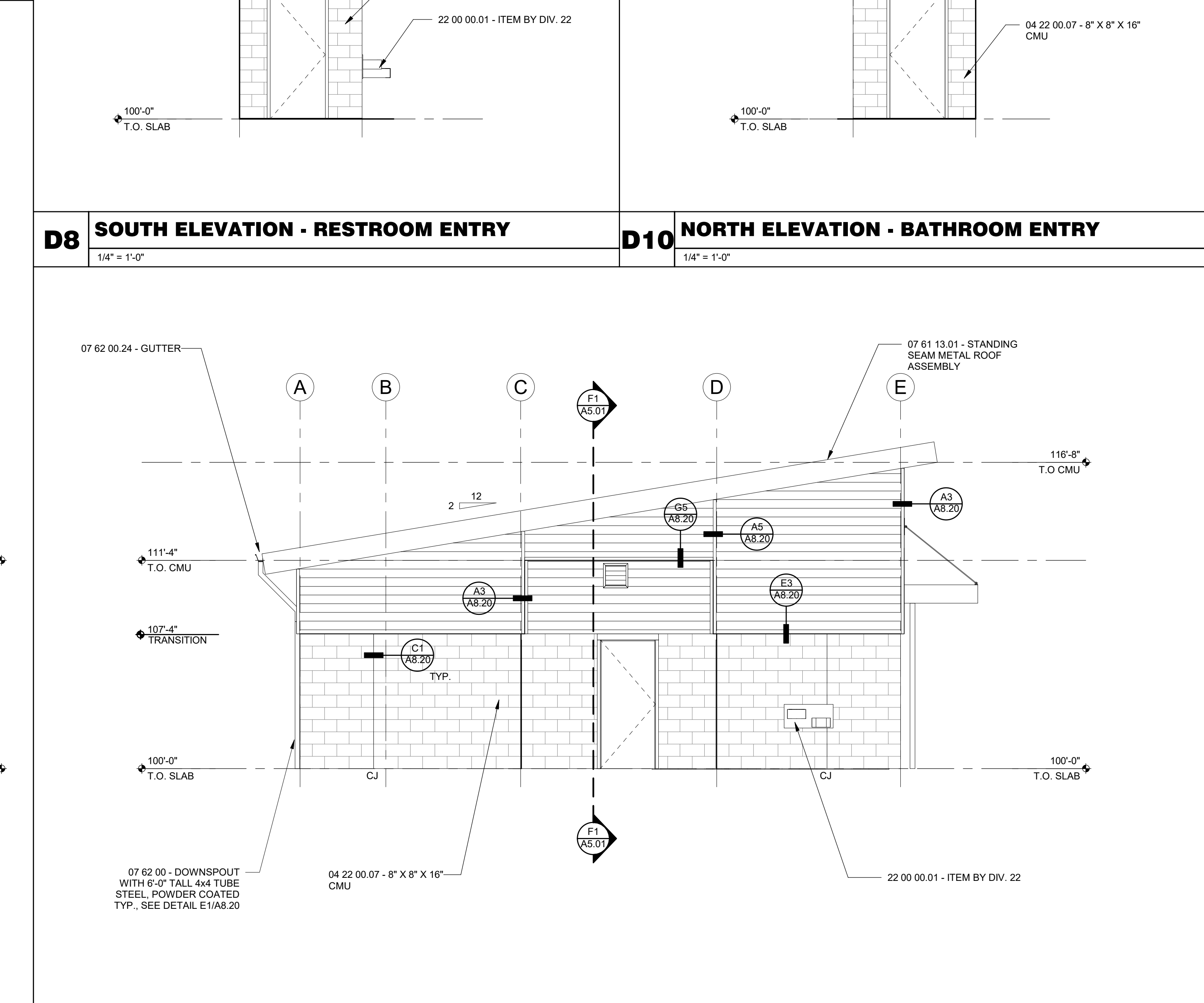
D10 NORTH ELEVATION - BATHROOM ENTRY

1/4" = 1'-0"



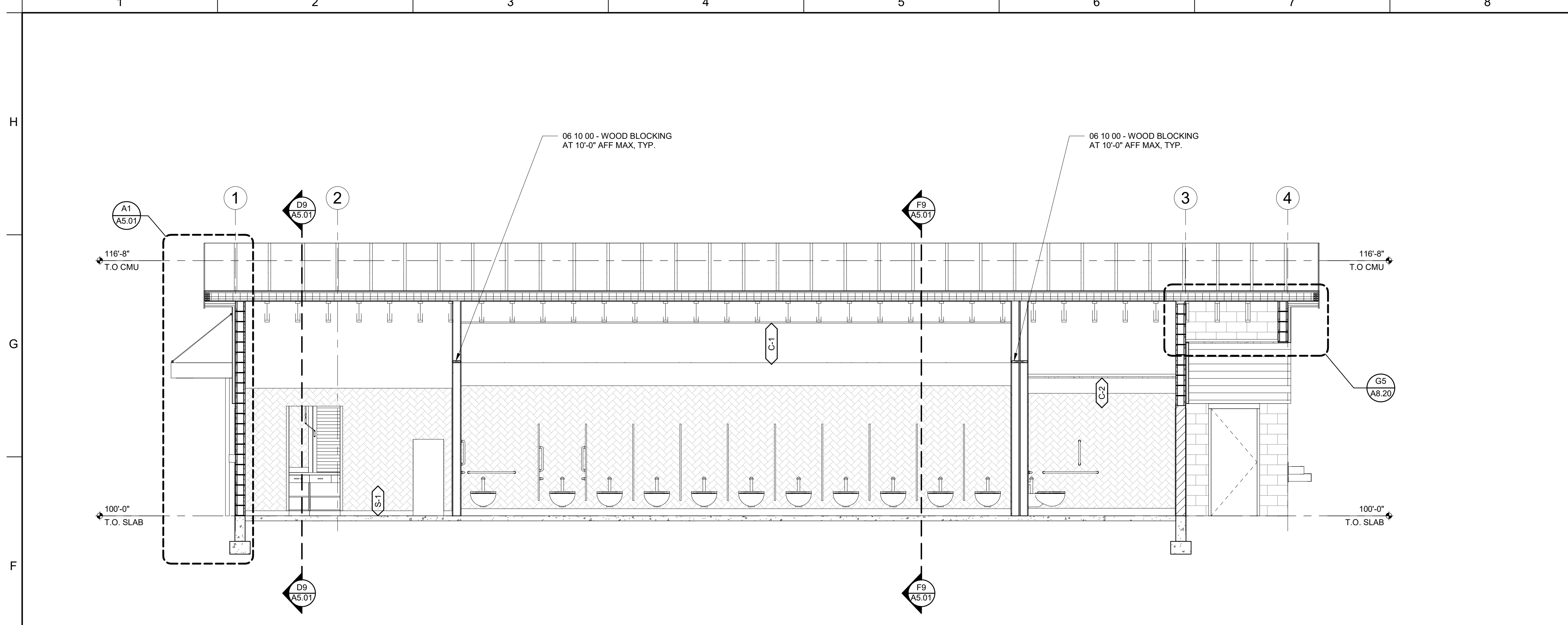
A1 SOUTH ELEVATION

1/4" = 1'-0"

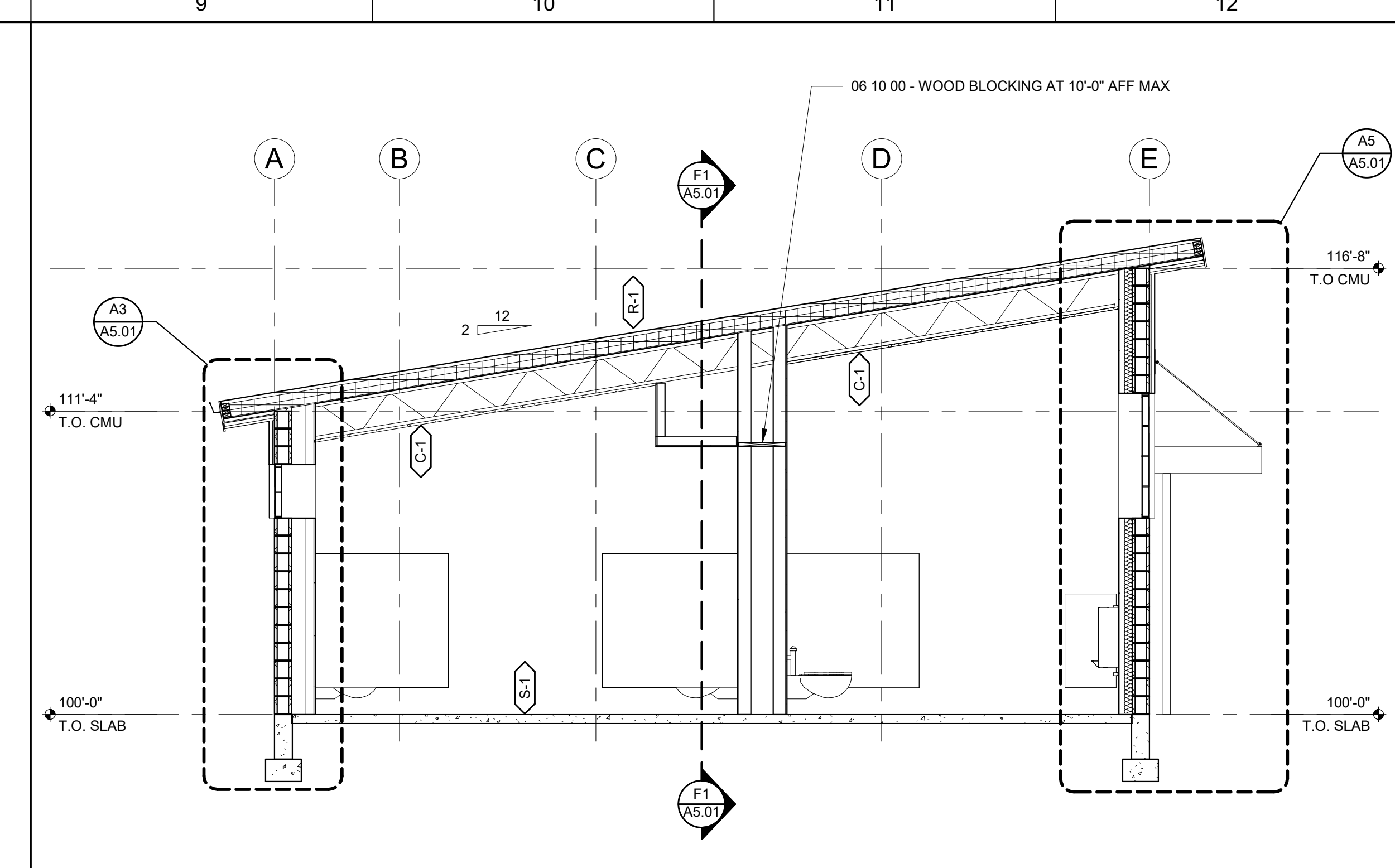


A8 EAST ELEVATION

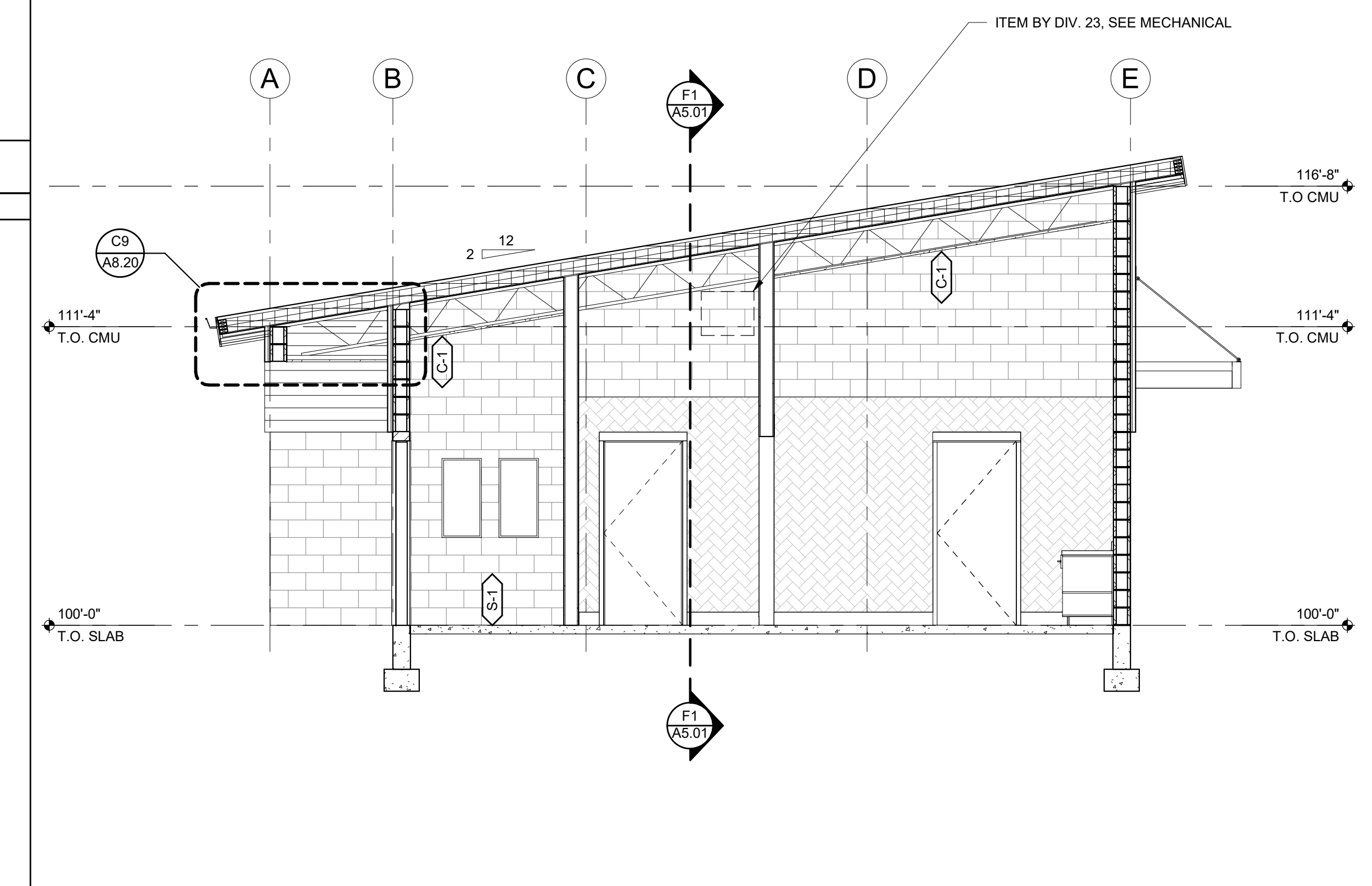
1/4" = 1'-0"



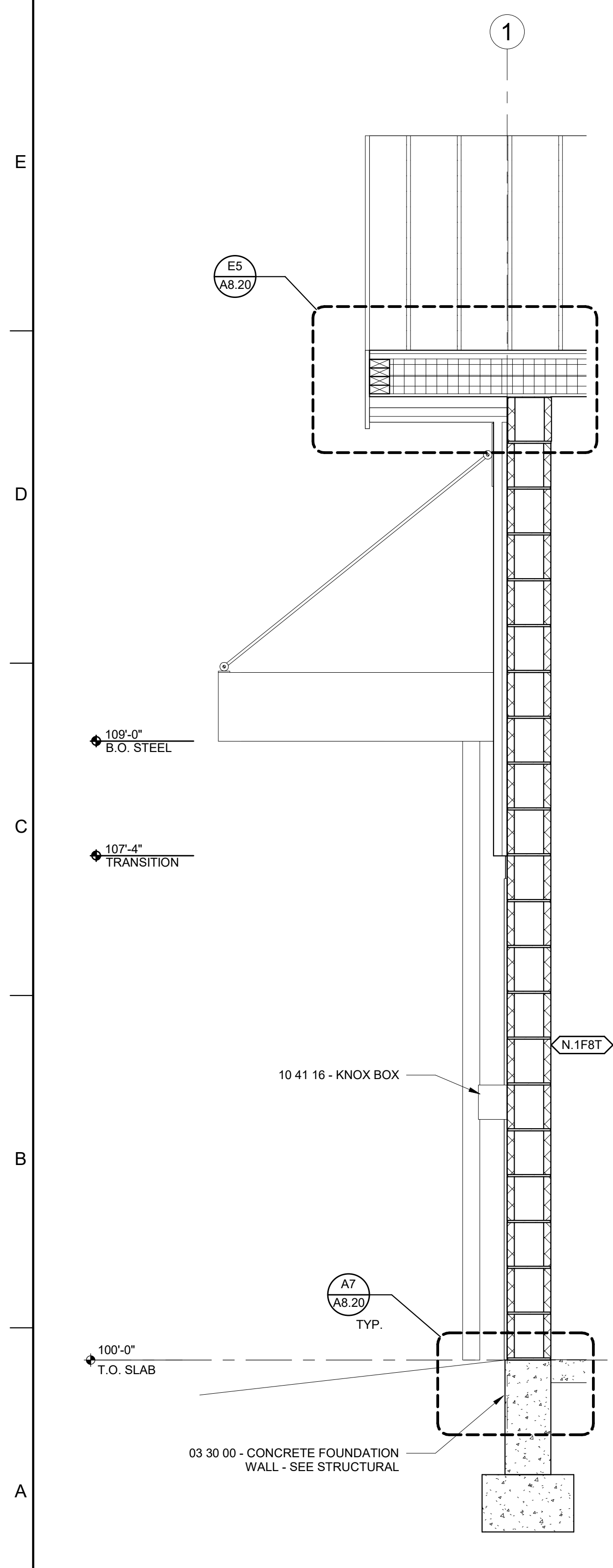
F1 BUILDING SECTION
1/4" = 1'-0"



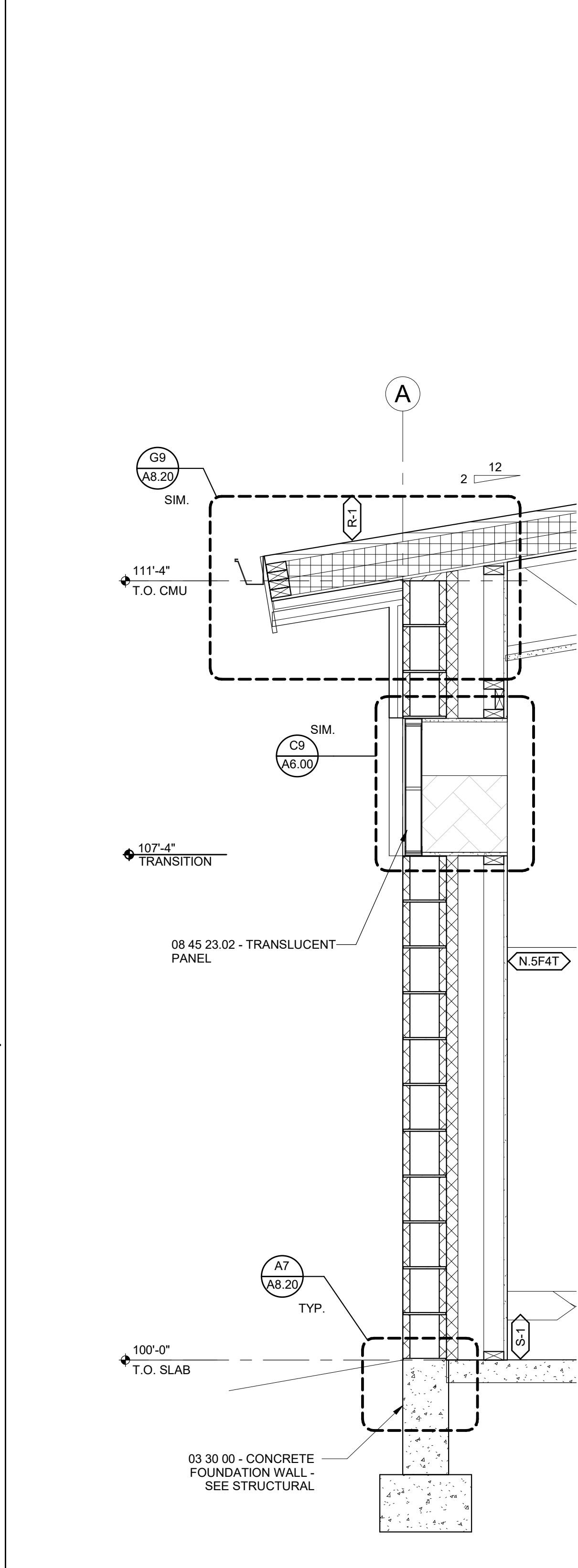
F9 BUILDING SECTION
1/4" = 1'-0"



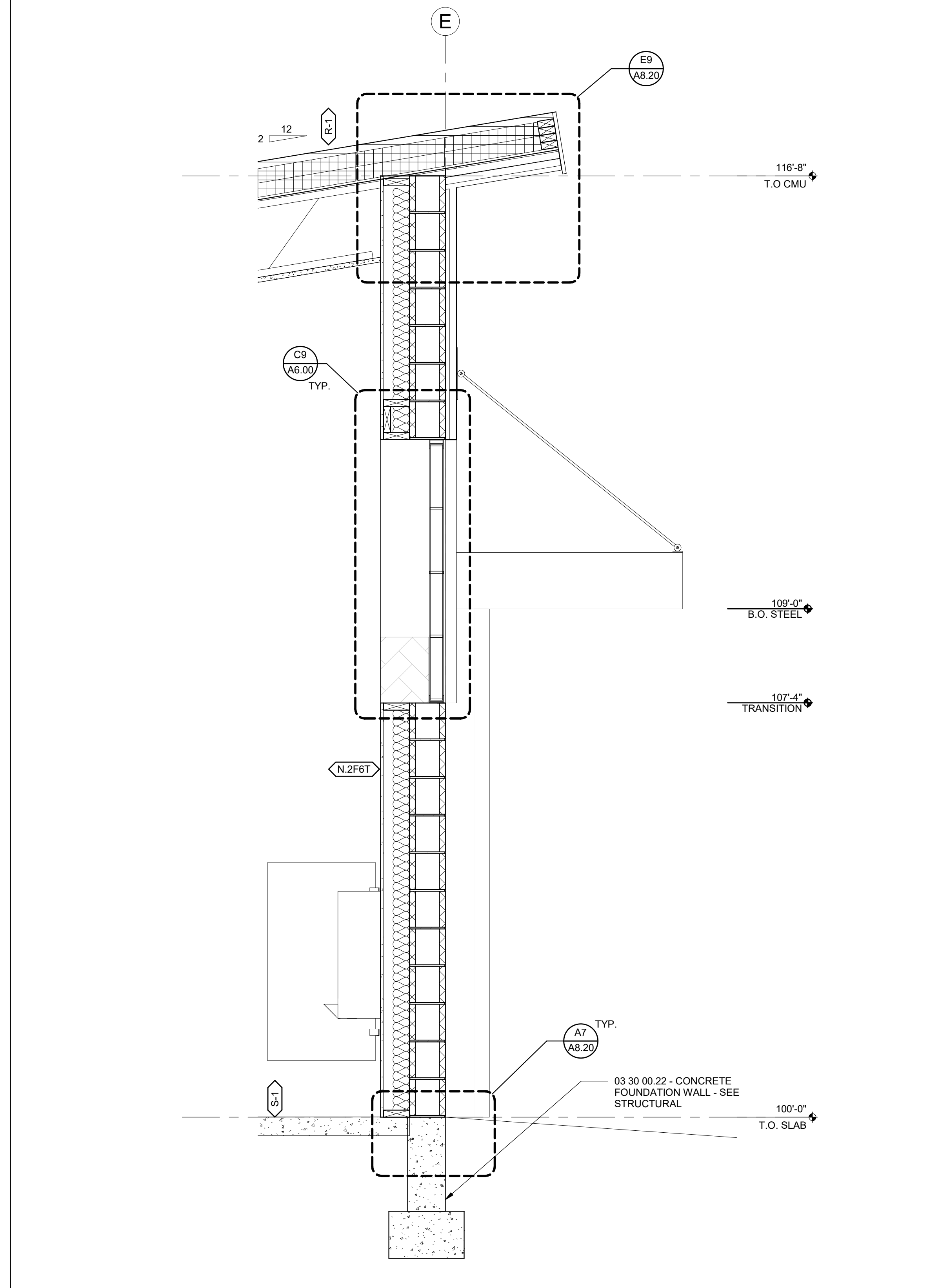
D9 BUILDING SECTION
1/4" = 1'-0"



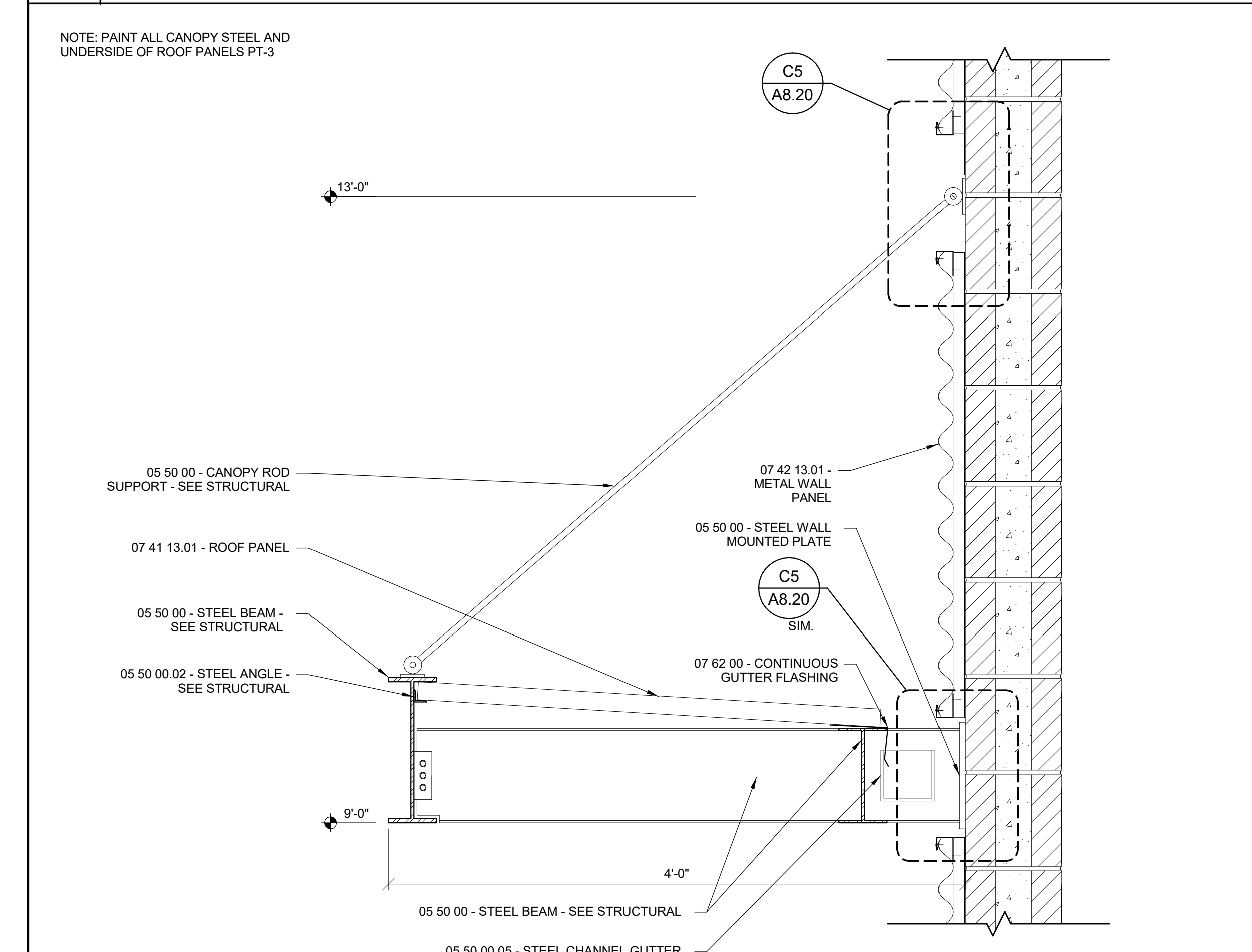
A1 WALL SECTION
3/4" = 1'-0"



A3 WALL SECTION
3/4" = 1'-0"



A5 WALL SECTION
3/4" = 1'-0"



A9 CANOPY SECTION
SCALE: 1 1/2" = 1'-0"

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11/17/2020
SHEET NAME
BUILDING AND WALL SECTION
SHEET
A5.01

CANOPY

DOOR SCHEDULE

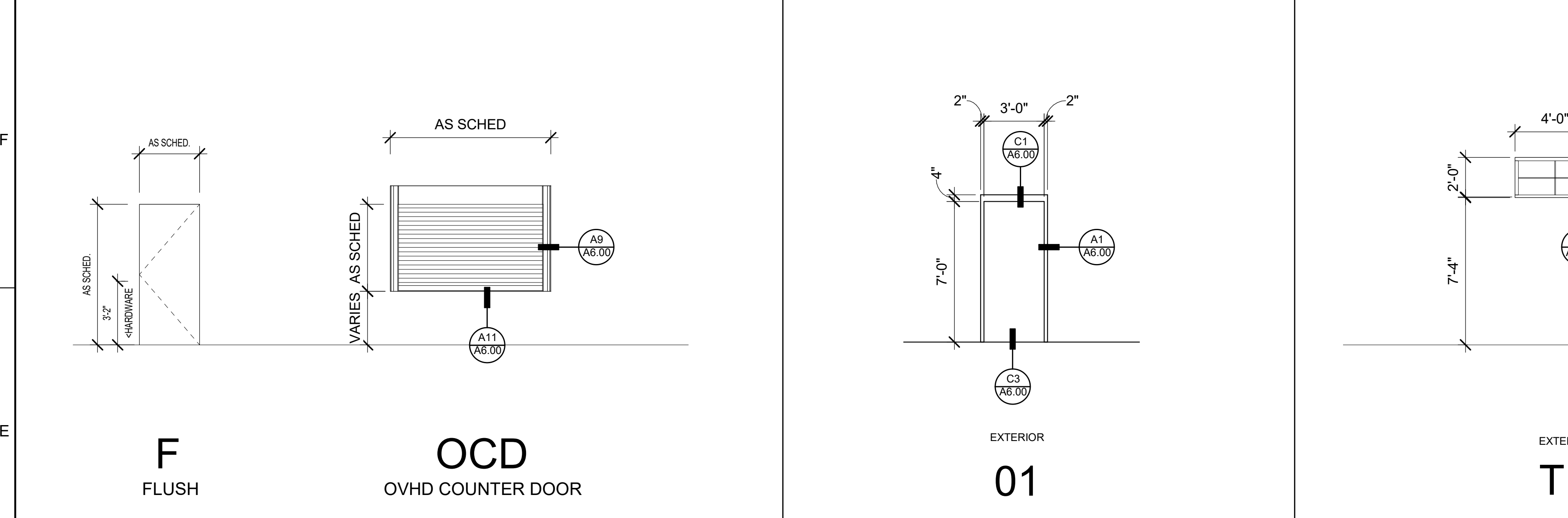
MARK	LOCATION		DOOR		FRAME		DETAILS				ASSEM RATING	HW GROUP	REMARKS	
	ROOM NUMBER	ROOM NAME	SIZE	TYPE	MATL	FINISH	TYPE	MATL	FINISH	HEAD				JAMB
H100A	100	CONCESSIONS	3'-0"x7'-0"	F	FRP	FF	01	HM	PT-2	C1/A6.00	A1/A6.00	NR	1	
H100B	100	CONCESSIONS	8'-0"x5'-4"	OCD	S.S.	FF	--	SS	FF	A11/A6.00	A9/A6.00	NR	2	
H100C	100	CONCESSIONS	8'-0"x5'-4"	OCD	S.S.	FF	--	SS	FF	A11/A6.00	A9/A6.00	NR	2	
H100D	100	CONCESSIONS	3'-0"x7'-0"	SCREEN	FF	ALUM	--	ALUM	FF	--	--	NR	2	ALUMINUM FRAME HINGED SCREEN DOOR, BROWN COLOR, FULL SCREEN, SELF-CLOSING
H101	101	MEN	3'-0"x7'-0"	F	FRP	FF	01	HM	PT-2	C1/A6.00	A1/A6.00	NR	1	
H102A	102	WOMEN	3'-0"x7'-0"	F	FRP	FF	01	HM	PT-2	C1/A6.00	A1/A6.00	NR	1	
H102B	102	WOMEN	3'-0"x7'-0"	F	FRP	FF	01	HM	PT-2	C1/A6.00	A1/A6.00	NR	1	
H103	103	RESTROOM	3'-0"x7'-0"	F	FRP	FF	01	HM	PT-2	C1/A6.00	A1/A6.00	NR	3	
H104	104	JANITOR	3'-0"x7'-0"	F	FRP	FF	01	HM	PT-2	C1/A6.00	A1/A6.00	NR	4	

WINDOW SCHEDULE

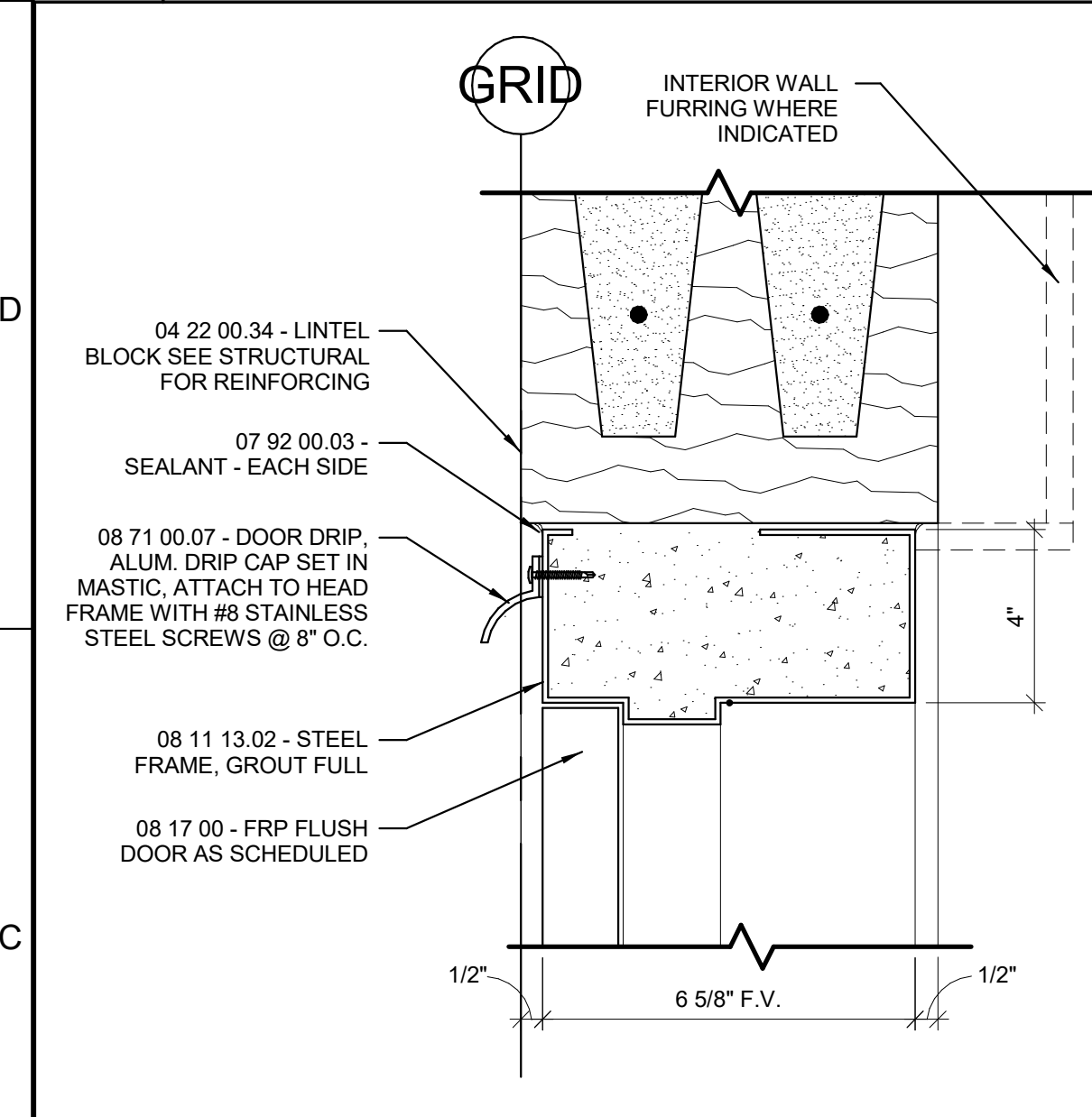
Type Mark	Width	Height	Sill Height	Head Height	Frame Material	Glazing Type	Comments
T1	4'-0"	2'-0"	7'-4"	9'-4"	ALUM	TRANSLUCENT PANEL	
T2	8'-0"	2'-0"	7'-4"	9'-4"	ALUM	TRANSLUCENT PANEL	
T3	8'-0"	4'-8"	7'-4"	12'-0"	ALUM	TRANSLUCENT PANEL	

ABBREVIATION KEY

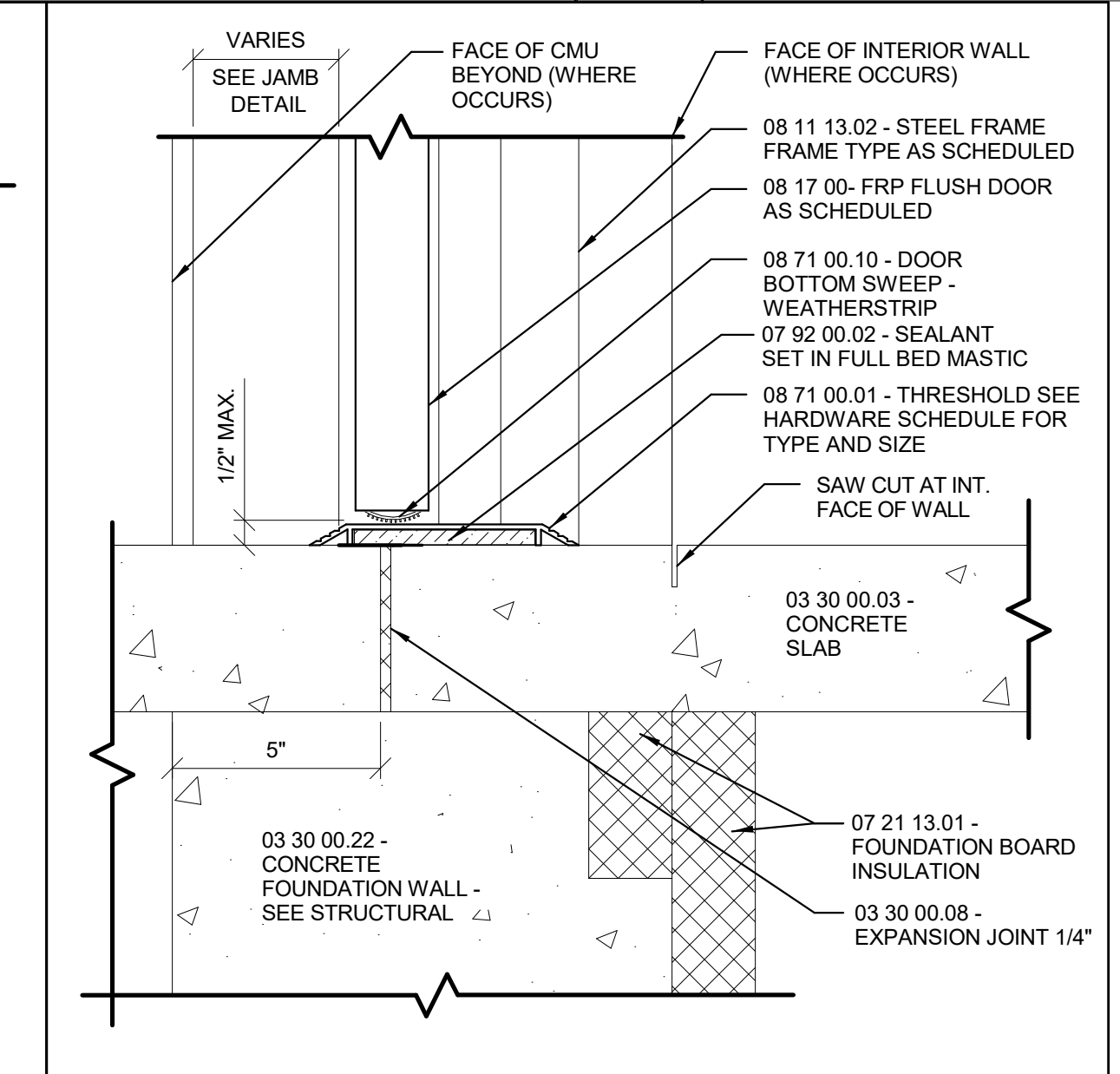
ALUM	ALUMINUM	FRP	FIBER REINFORCED LAMINATE FACED	PLAM	PLASTIC LAMINATE FACED
CA	CLEAR ANODIZED	FV	FIELD VERIFY	PR	PAIR
CL	CLEAR FINISH	HM	HOLLOW METAL	PT	PAINT COLOR
DG	DOOR GRILLE	MOT	MOTORIZED	RF	REFINISHED DOOR
F	FLUSH	NA	NOT APPLICABLE	RL	RELITE W/ FRAME
FB	FABRIC FACED	NG	NARROW GLASS	SS	STAINLESS DOOR
FF	FACTORY FINISH	OCD	OVERHEAD COILING DOOR	STL	STEEL
FG	FULL GLAZING	ORG	OVERHEAD ROLLING GRILLE	V	VINYL FACED
FGLS	FIBERGLASS	PD	PARTITION DOOR	WD	WOOD



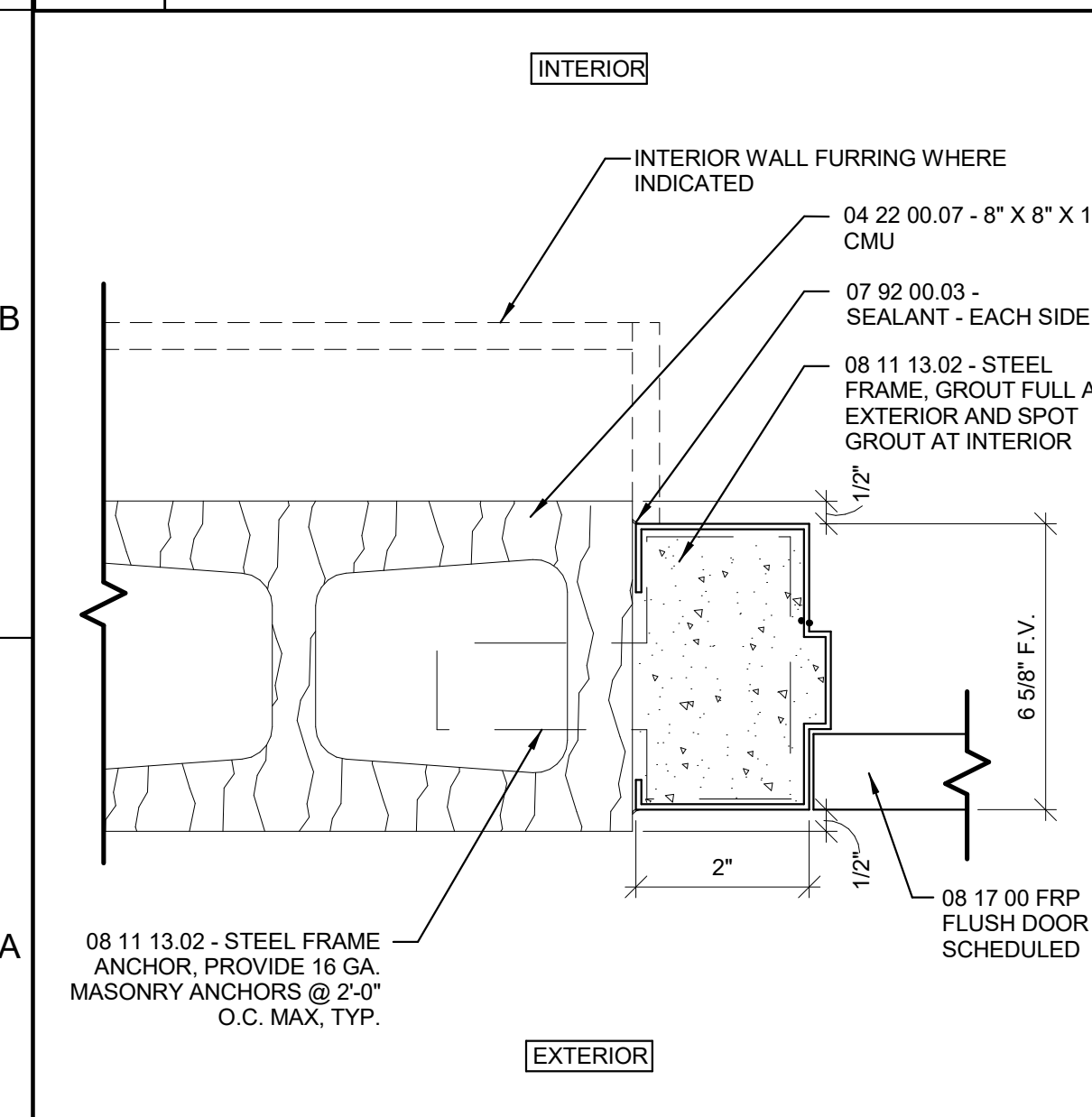
E1 DOOR TYPES 1/4" = 1'-0" **E4 FRAME TYPES** 1/4" = 1'-0" **E6 TRANSLUCENT PANEL** 1/4" = 1'-0"



C1 HOLLOW METAL HEAD AT CMU SCALE: 3" = 1'-0" EXT. DOOR HEAD - CMU



C3 THRESHOLD SCALE: 3" = 1'-0" EXTERIOR THRESHOLD 1



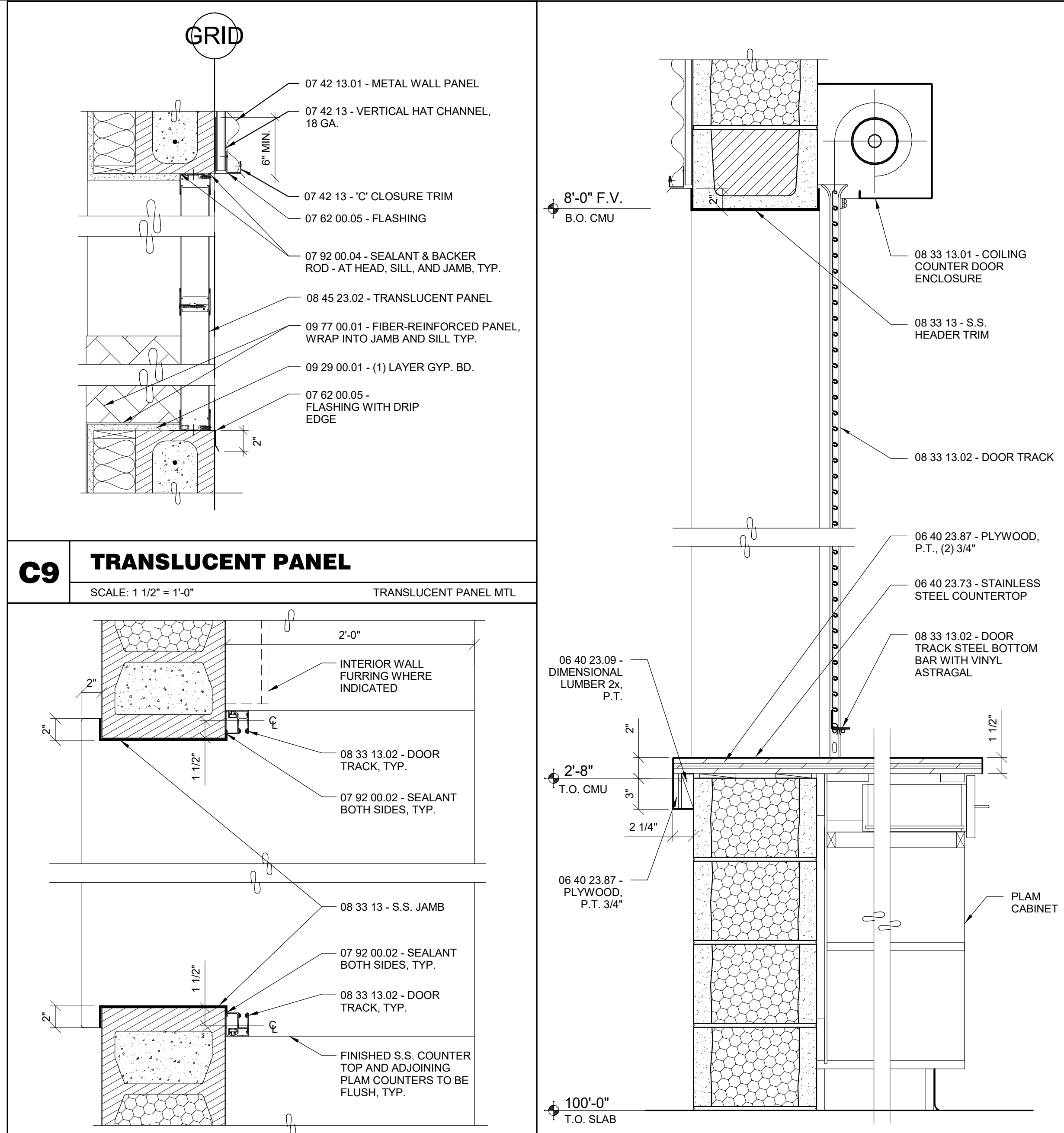
A1 HOLLOW METAL JAMB AT CMU SCALE: 3" = 1'-0" INT. & EXT. DOOR JAMB - CMU



C9 TRANSLUCENT PANEL SCALE: 1 1/2" = 1'-0" TRANSLUCENT PANEL MTL



A9 OVERHEAD COILING COUNTER DOOR SCALE: 1 1/2" = 1'-0" OCD PLAN



A11 OVHD COILING DOOR - SECTION SCALE: 1 1/2" = 1'-0" OCD SECT

SHEET NOTES

1. SEE SHEET G1.00 FOR SYMBOLS & ABBREVIATIONS.

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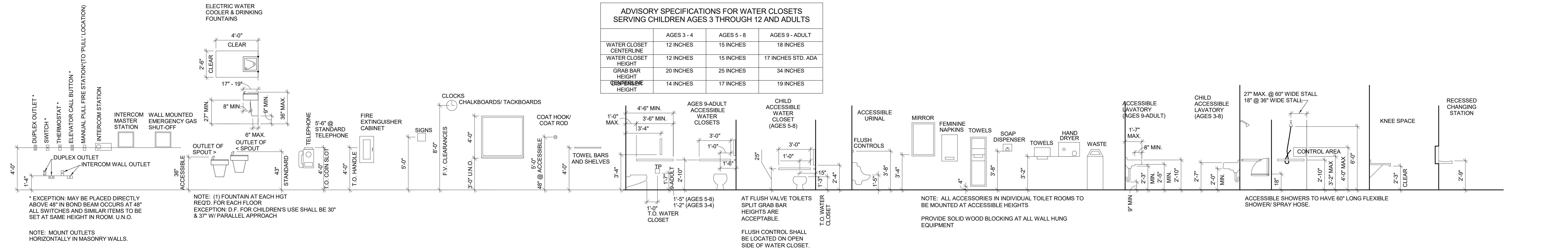
DATE
11/17/2020

SHEET NAME
DOOR SCHEDULE AND WINDOW TYPE

SHEET
A6.00

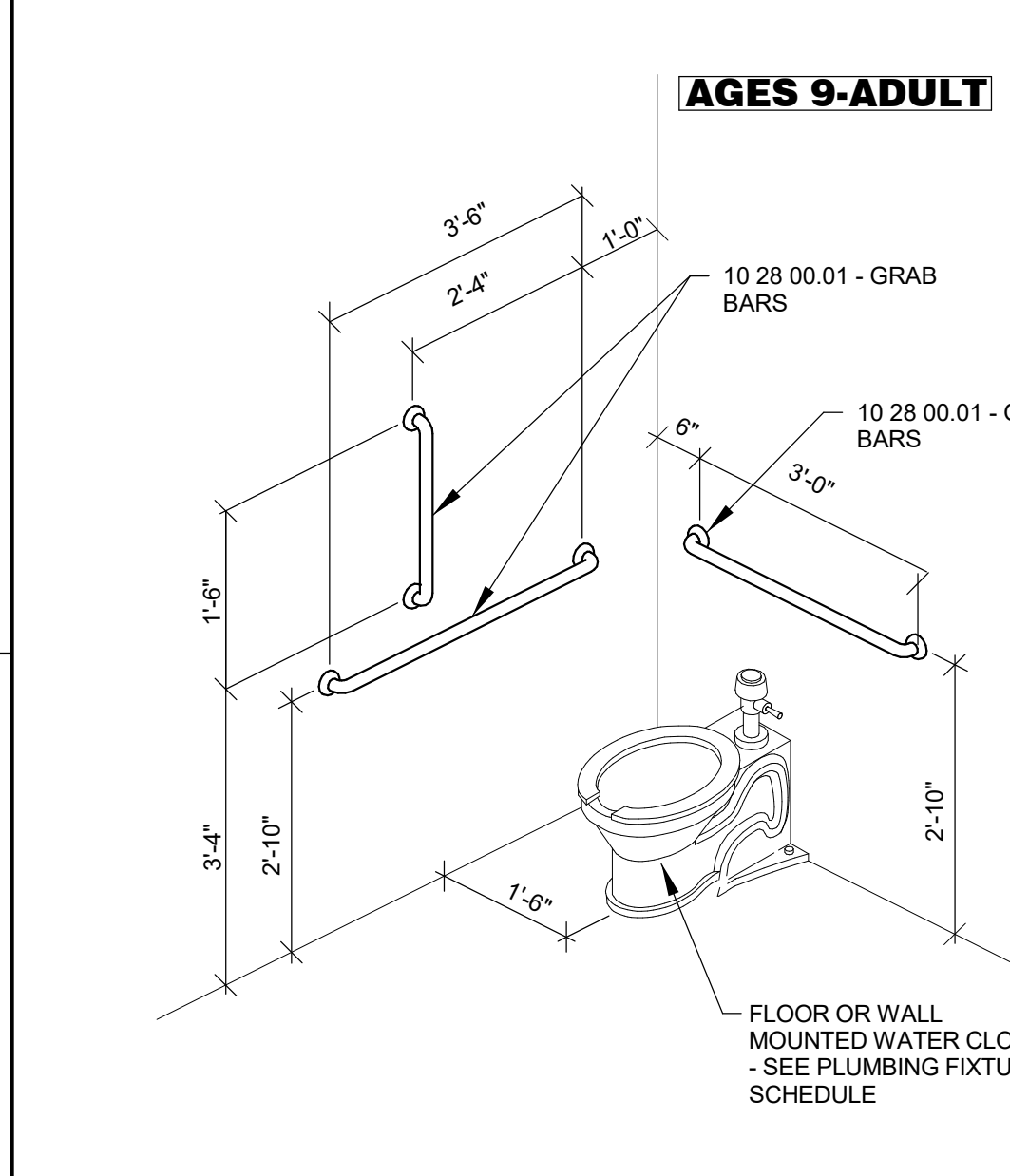
ADVISORY SPECIFICATIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THROUGH 12 AND ADULTS

	AGES 3 - 4	AGES 5 - 8	AGES 9 - ADULT
WATER CLOSET CENTERLINE	12 INCHES	15 INCHES	18 INCHES
WATER CLOSET HEIGHT	12 INCHES	15 INCHES	17 INCHES STD. ADA
GRAB BAR HEIGHT	20 INCHES	25 INCHES	34 INCHES
GRAB BAR CLEARANCE HEIGHT	14 INCHES	17 INCHES	19 INCHES



G1 STANDARD MOUNTING HEIGHTS

1/4" = 1'-0"



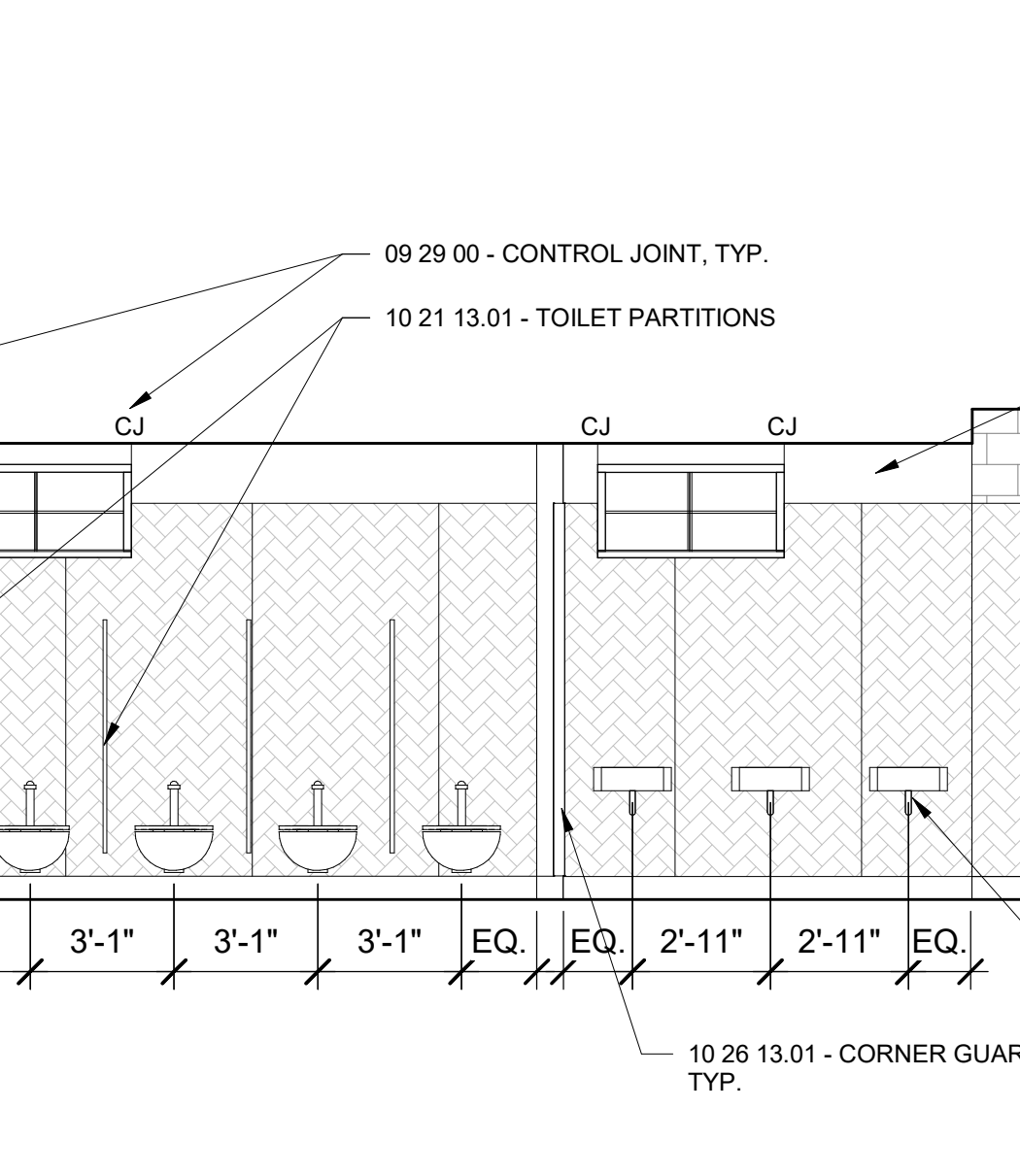
NOT USED

E1 TOILET GRAB BAR MOUNTING

SCALE: N.T.S. TYPICAL AT ALL ADA ACCESSIBLE TOILETS

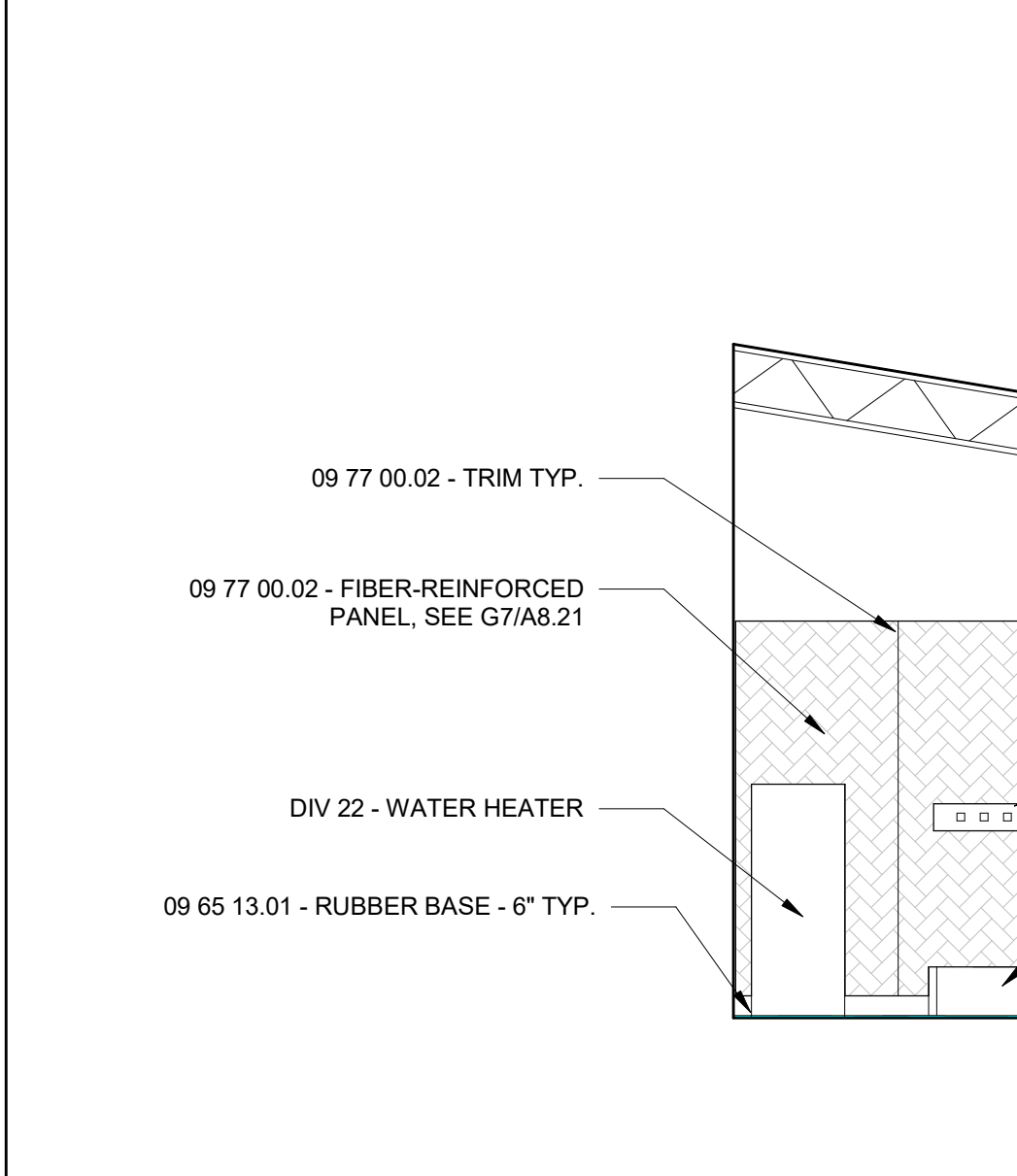
E5 RESTROOM

1/4" = 1'-0"



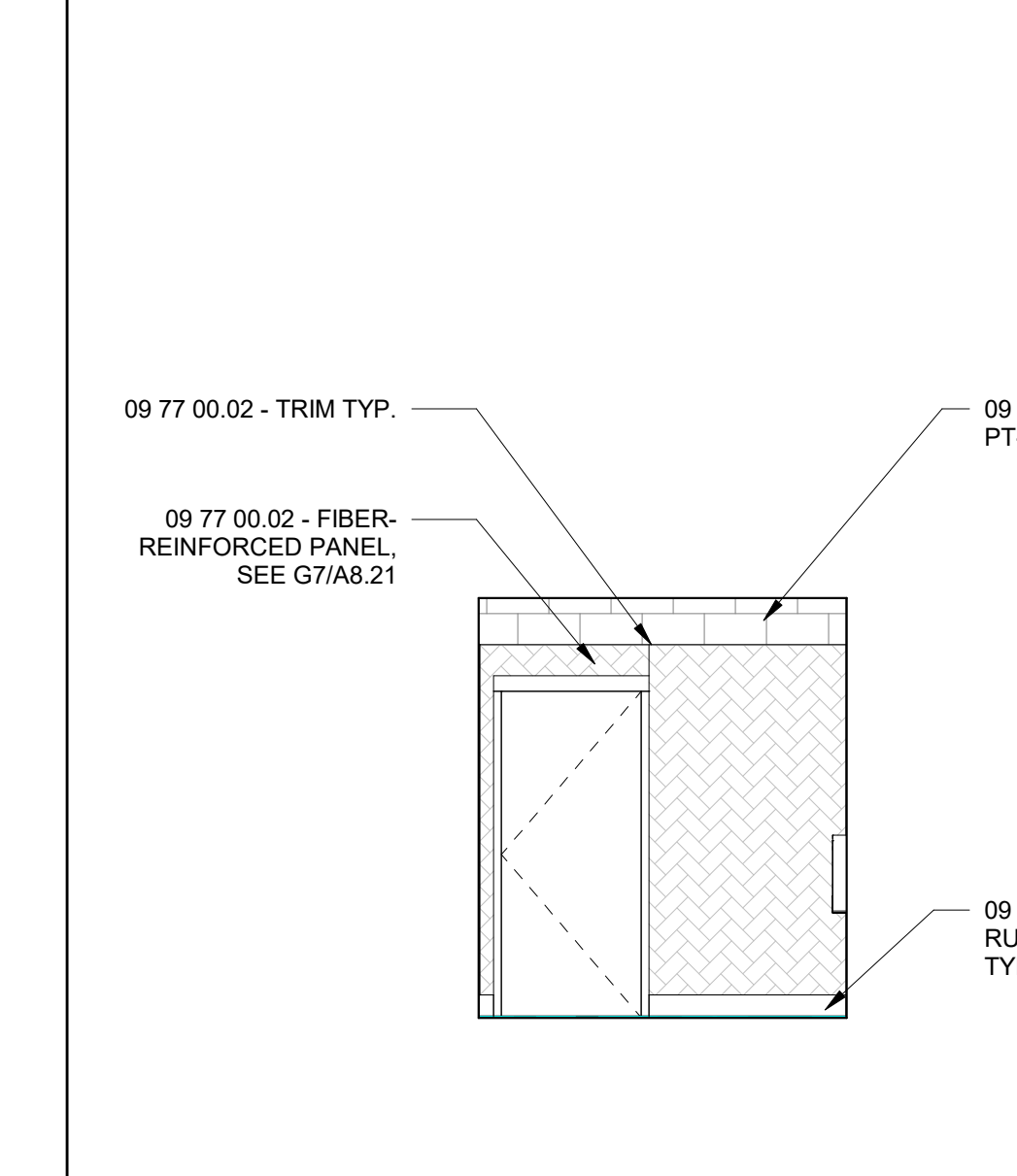
E8 RESTROOM

1/4" = 1'-0"



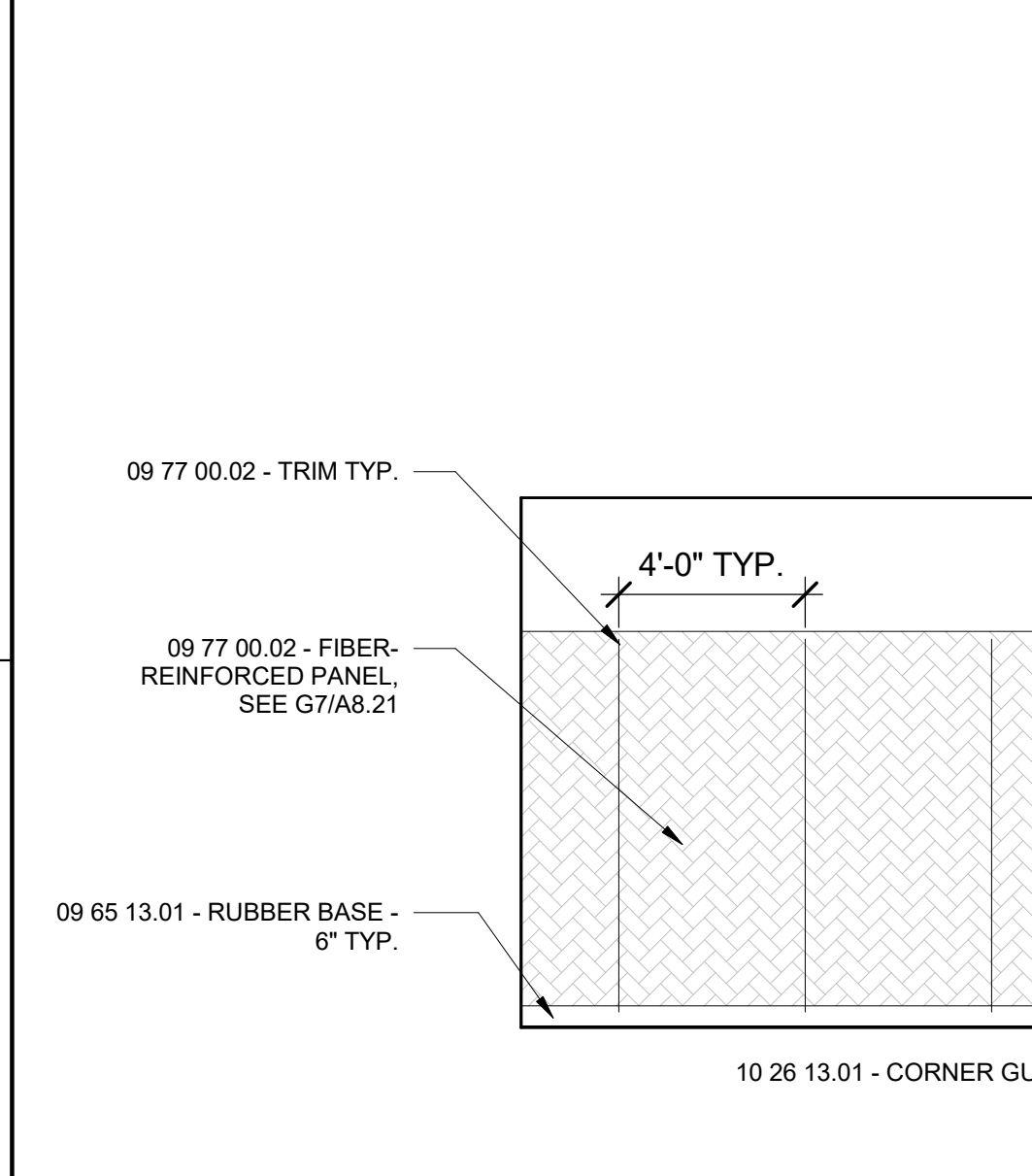
E11 RESTROOM

1/4" = 1'-0"



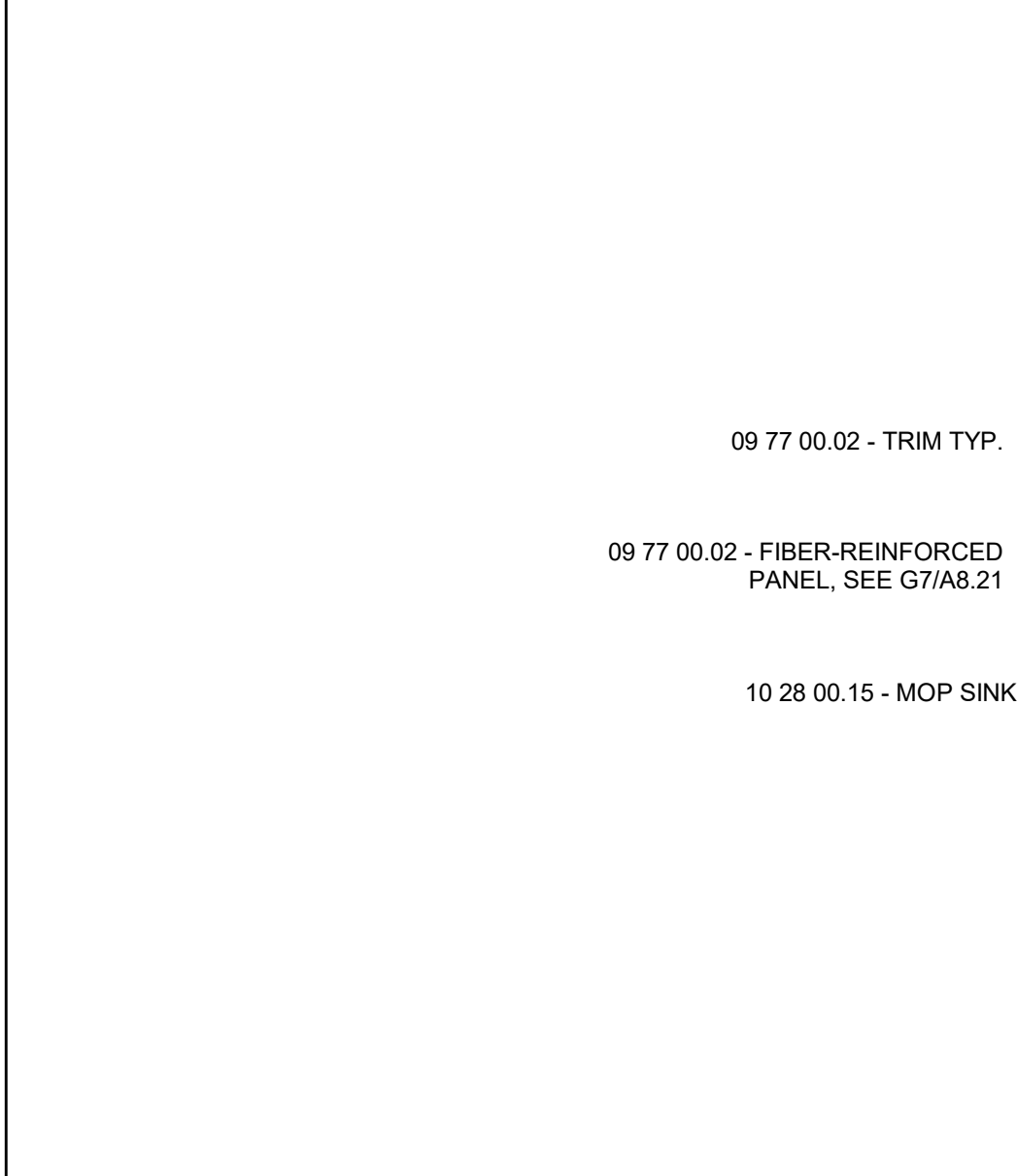
C1 WOMEN'S RESTROOM

1/4" = 1'-0"



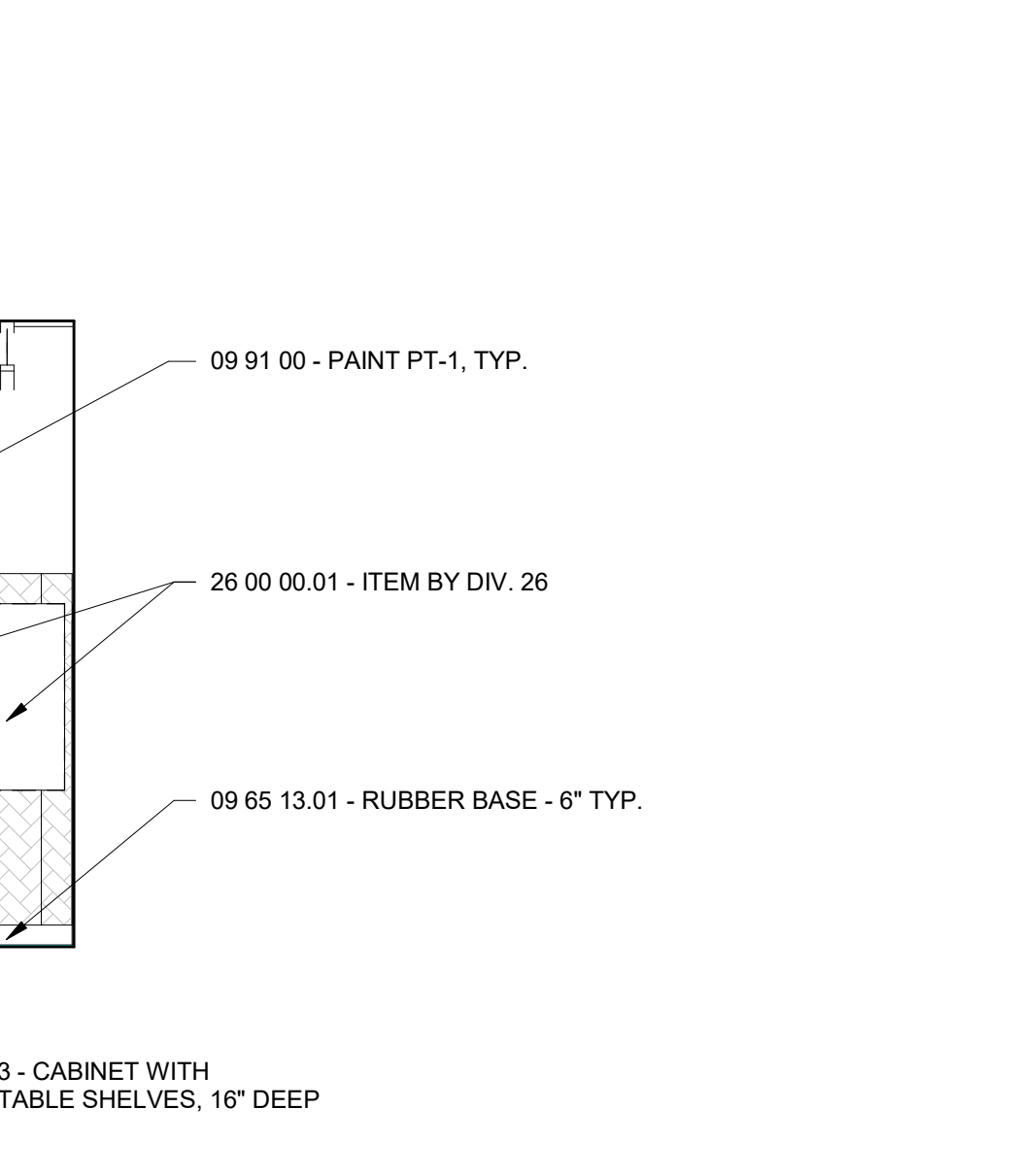
C8 JANITOR

1/4" = 1'-0"



C11 RESTROOM

1/4" = 1'-0"



A1 WOMEN'S RESTROOM

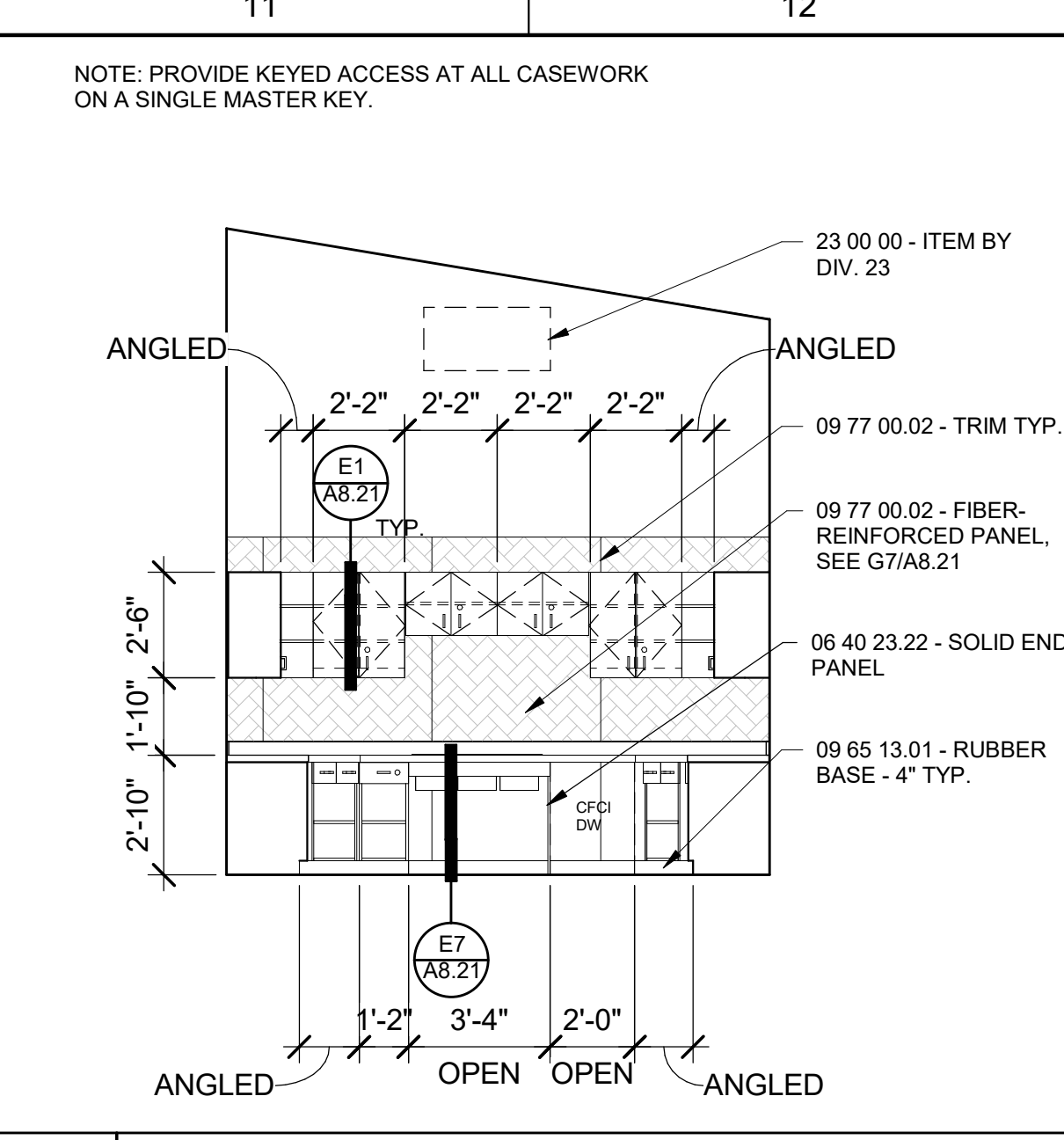
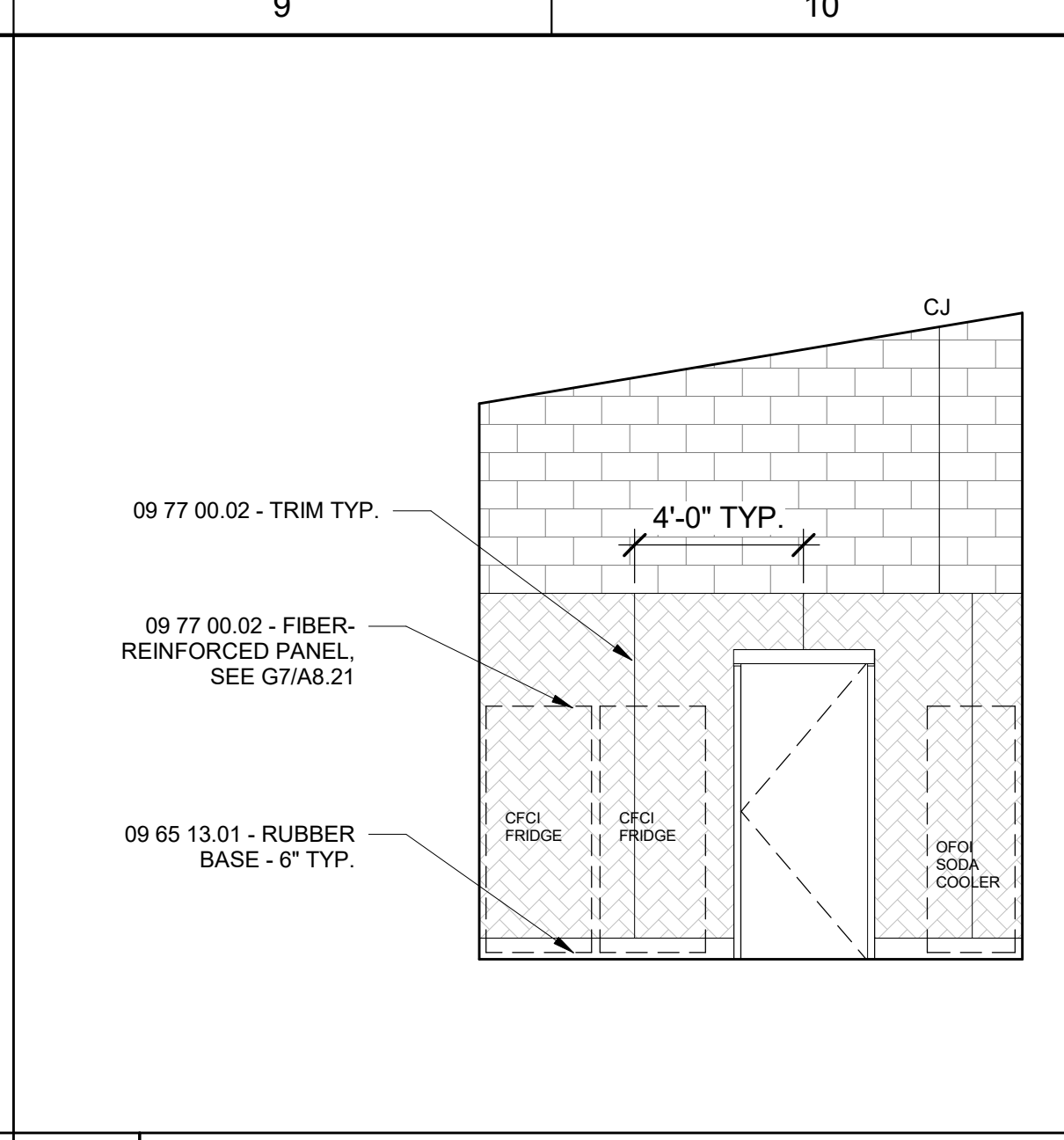
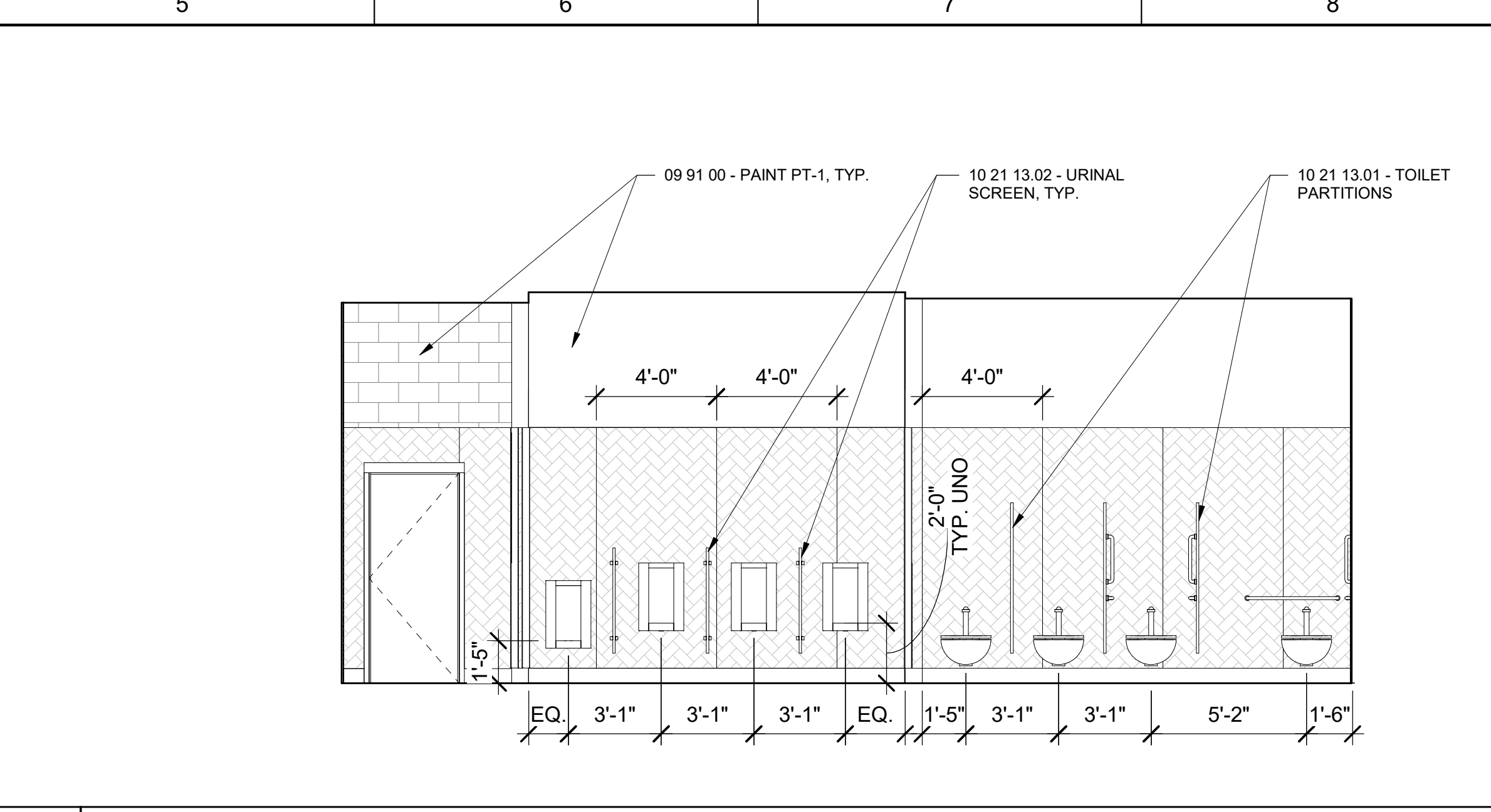
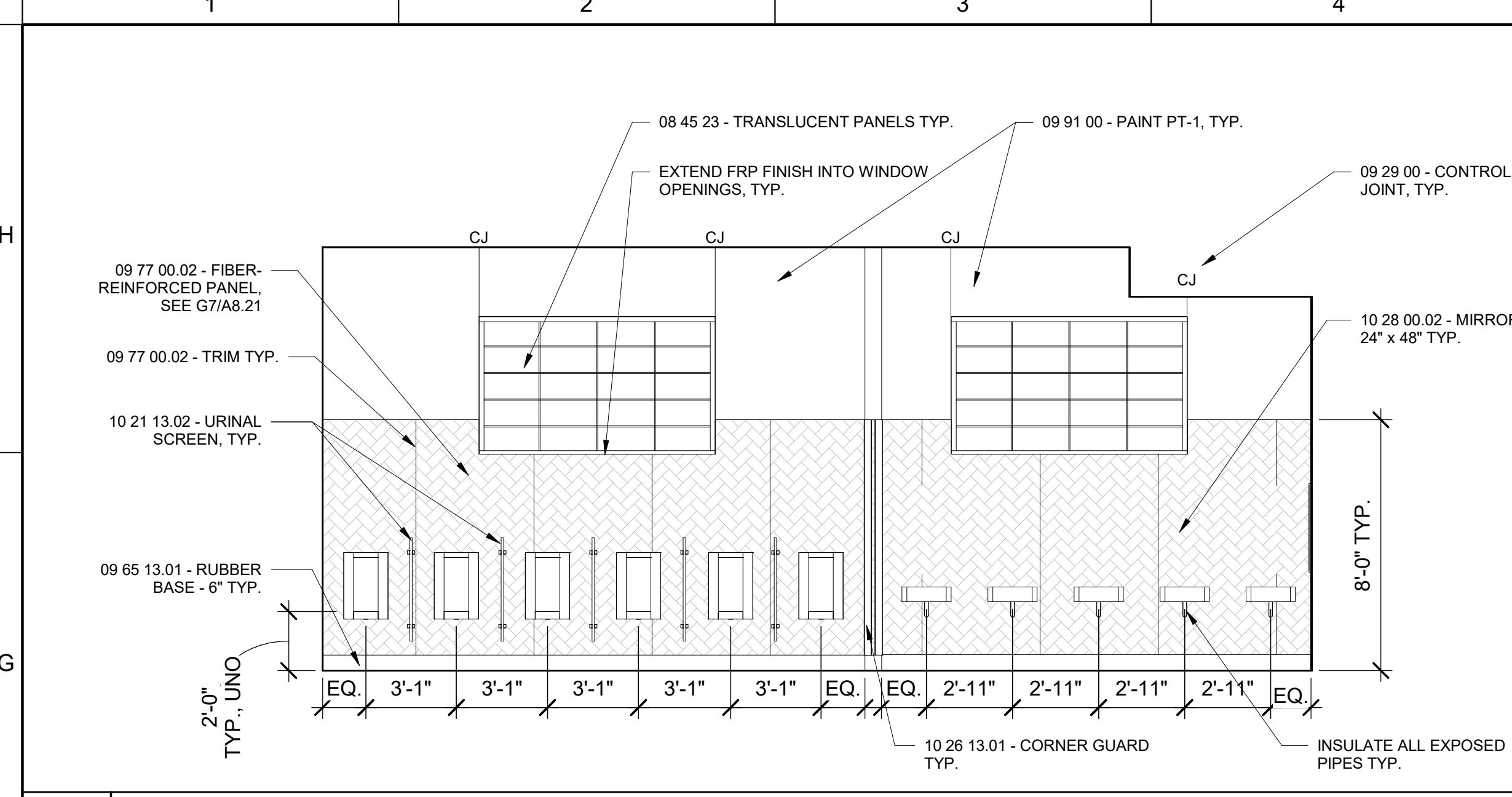
1/4" = 1'-0"



A8 JANITOR

1/4" = 1'-0"



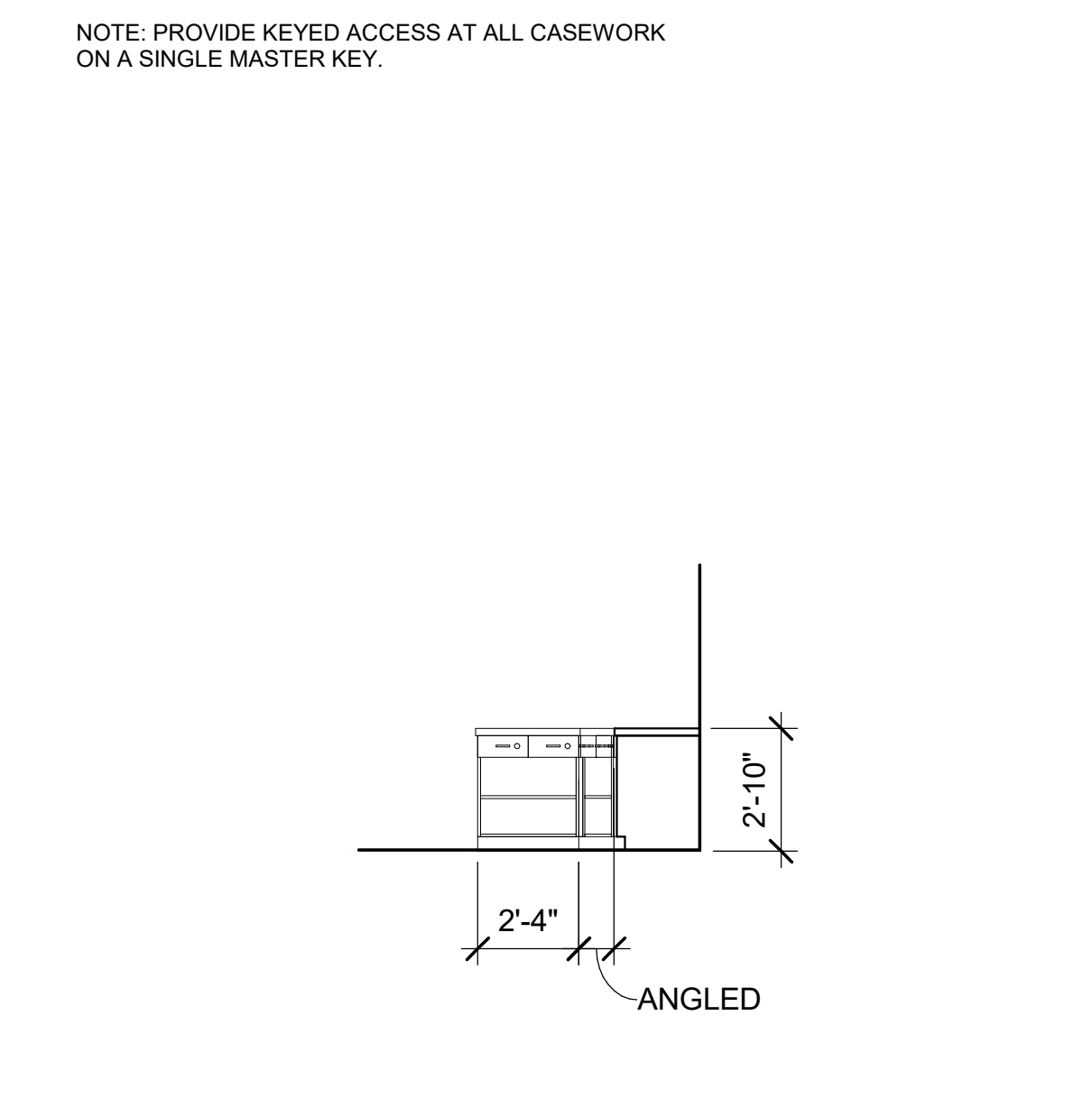
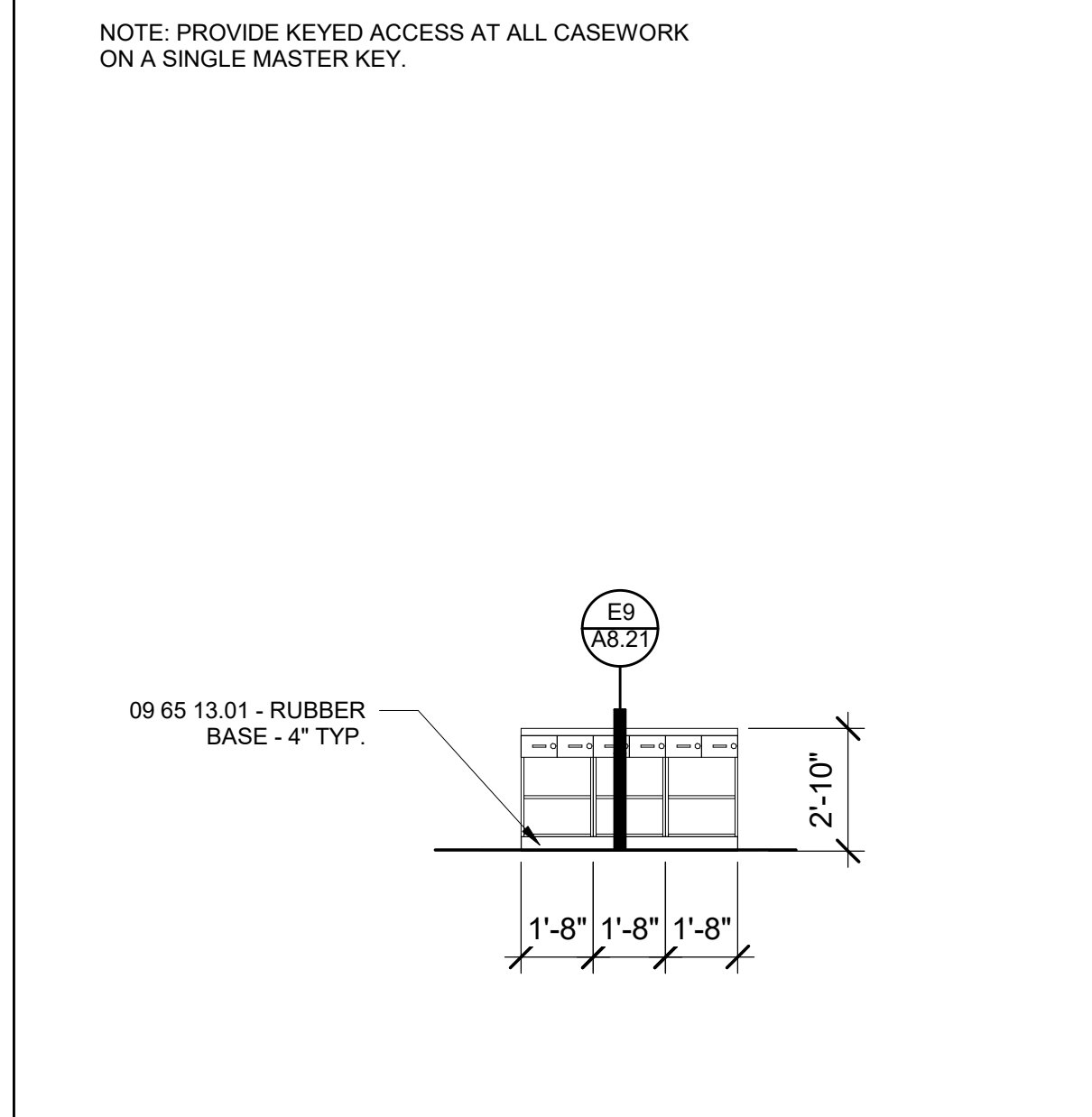
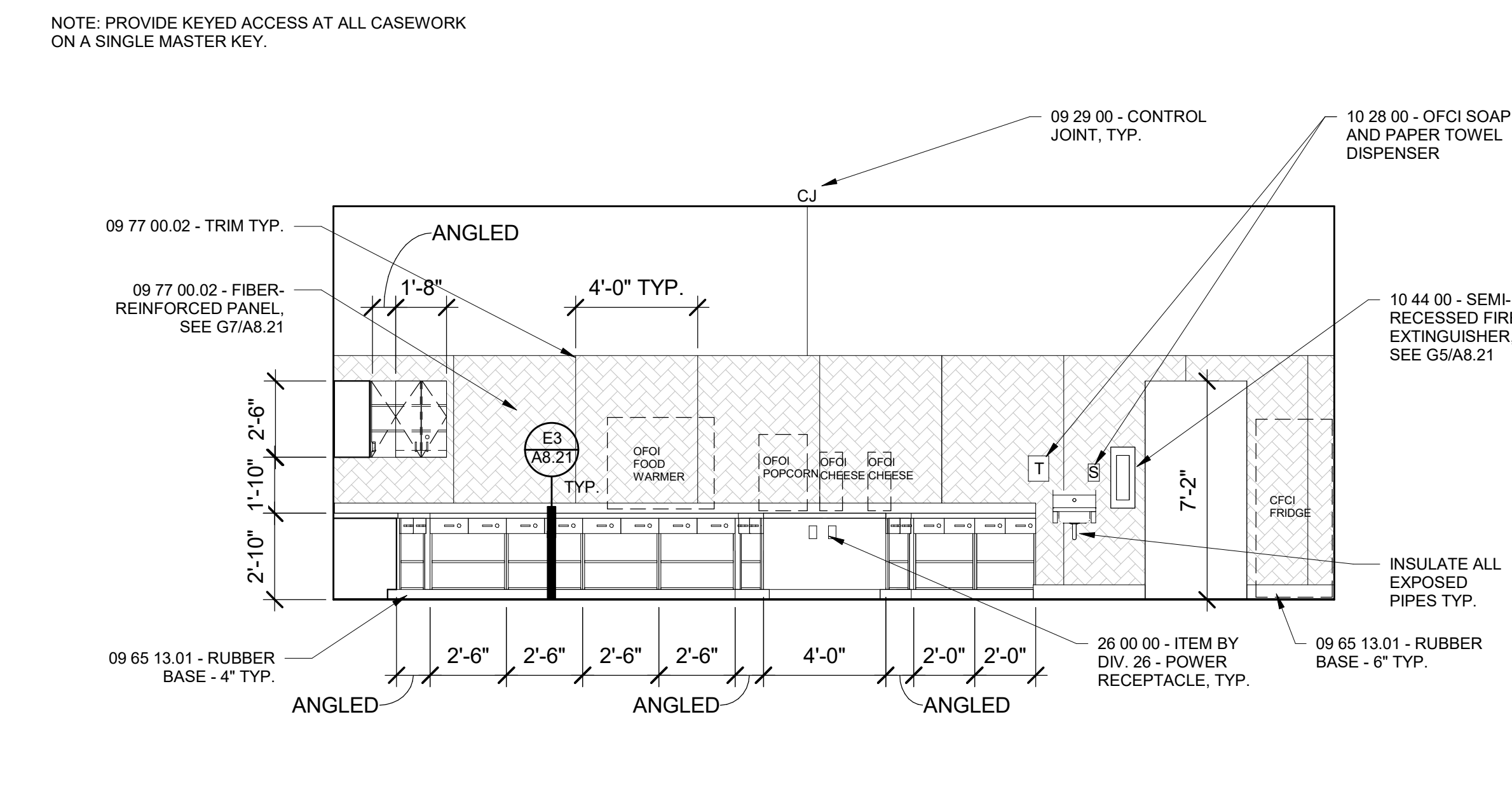
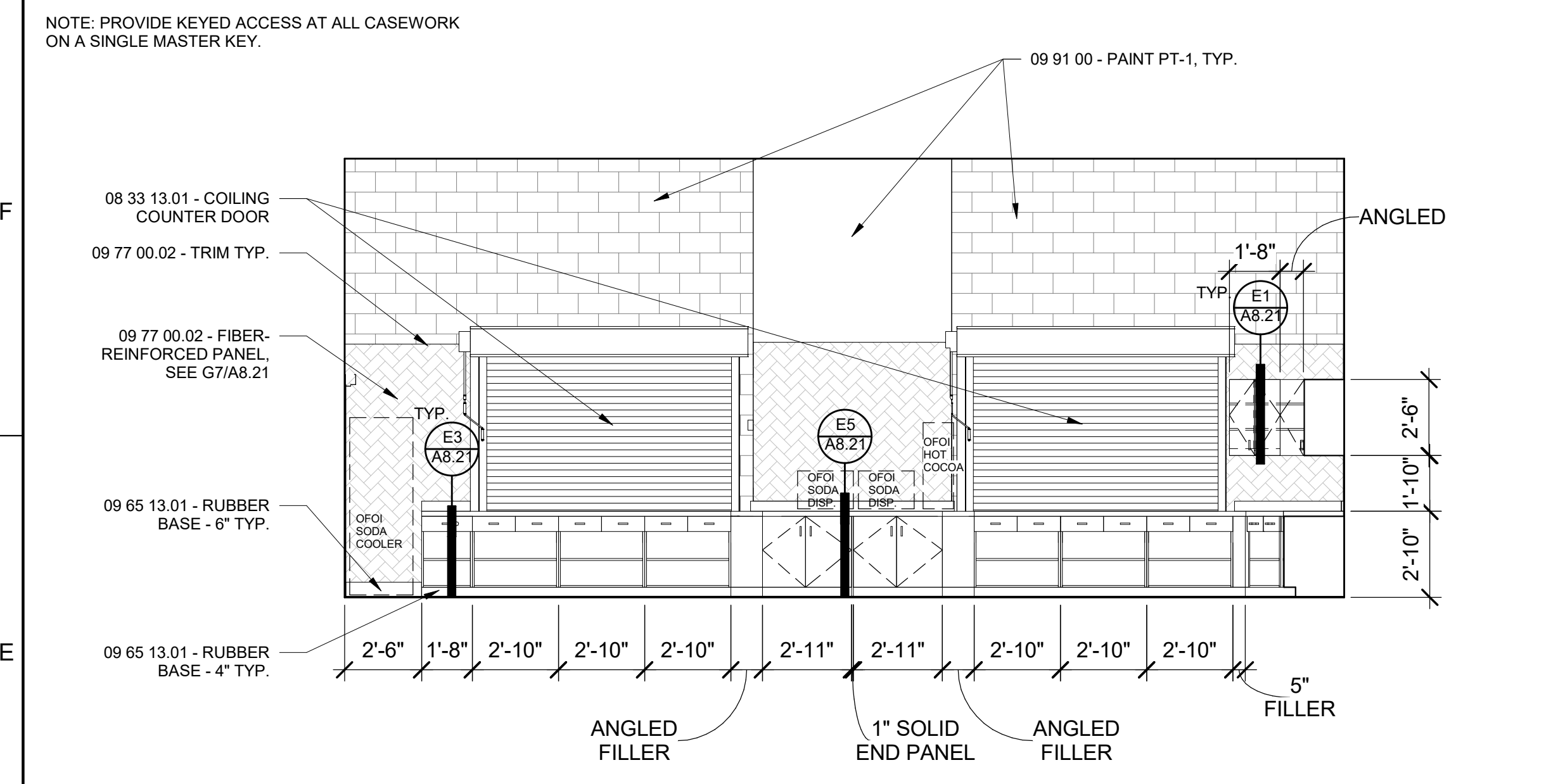


G1 MEN'S RESTROOM
1/4" = 1'-0"

G5 MEN'S RESTROOM
1/4" = 1'-0"

G9 CONCESSIONS
1/4" = 1'-0"

G11 CONCESSIONS
1/4" = 1'-0"

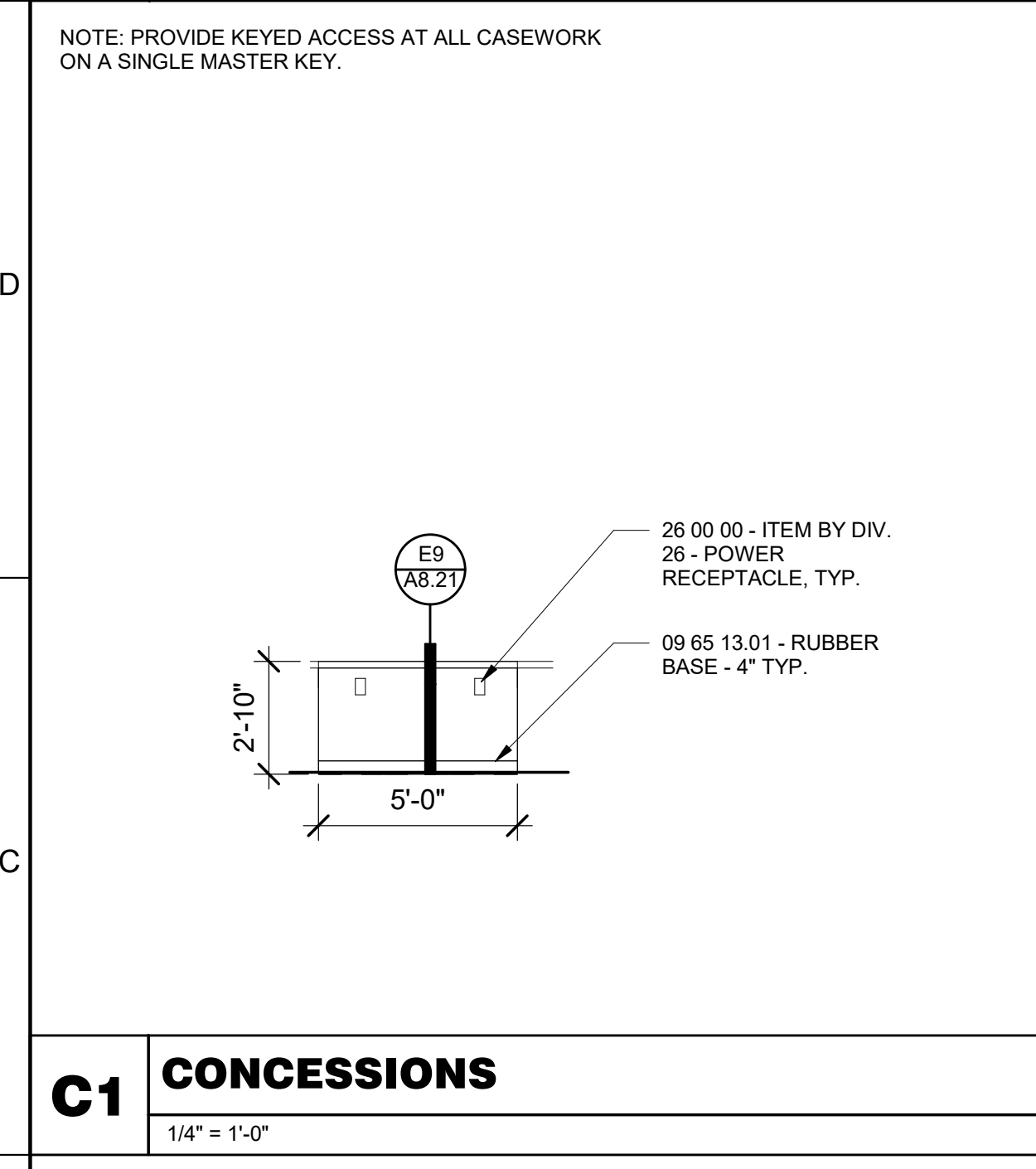


E1 CONCESSIONS
1/4" = 1'-0"

E5 CONCESSIONS
1/4" = 1'-0"

E9 CONCESSIONS
1/4" = 1'-0"

E11 CONCESSIONS
1/4" = 1'-0"



C1 CONCESSIONS
1/4" = 1'-0"

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JOB NUMBER
20014

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10638 REGISTERED ARCHITECT
MATTHEW J. WHITISH
STATE OF WASHINGTON

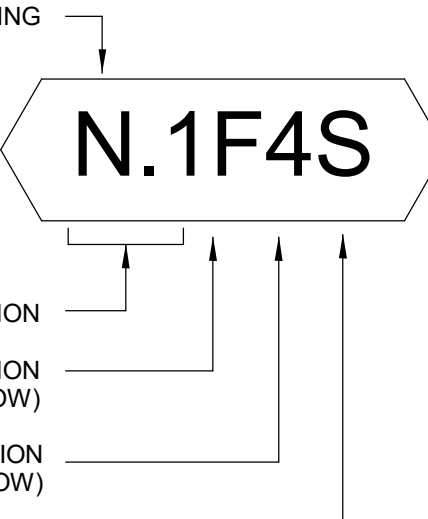
HANFORD HIGH SCHOOL
ATHLETIC FIELD
450 HANFORD STREET
RICHLAND, WASHINGTON 99354

DATE
11/17/2020

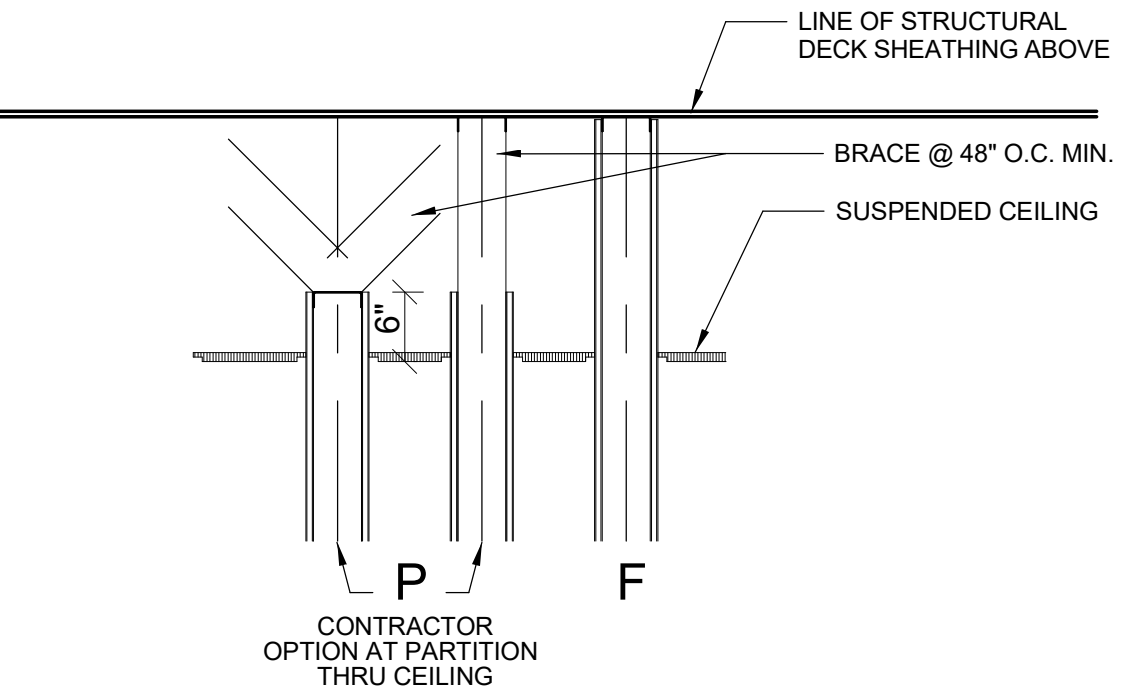
SHEET NAME
INTERIOR ELEVATION

SHEET
A7.11

PARTITION RATING	
N	NON RATED
1	1 HOUR
2	2 HOUR
3	3 HOUR
4	4 HOUR



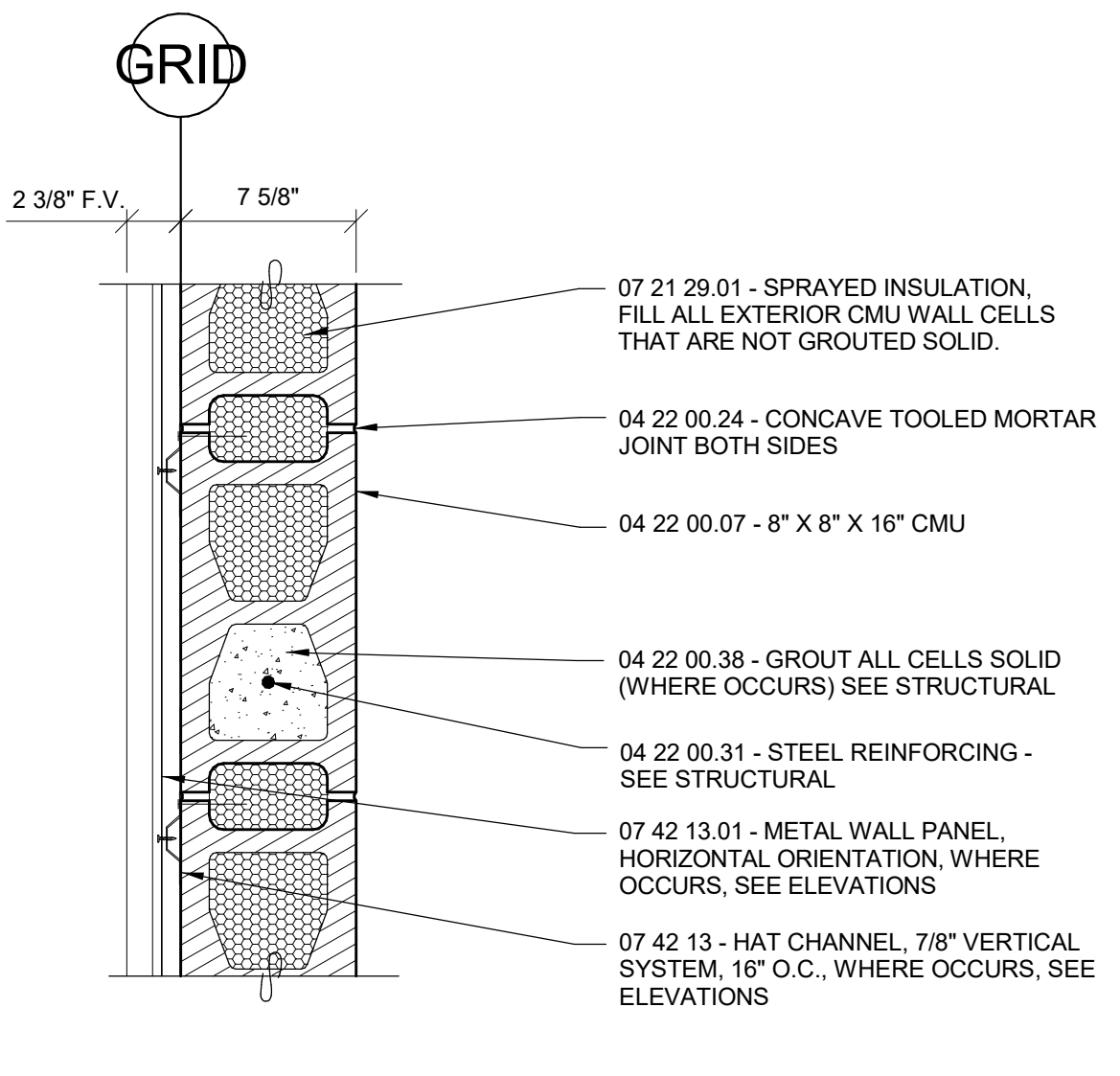
NOTE: SOUND ATTENUATED CONDITION DEFINED BY "S" REQUIRES ACOUSTICAL INSULATION IN ALL WALL VOIDS & ACOUSTICAL SEALANT AT TOP/BOTTOM & EDGES OF WALL. CONSTRUCTION AND PER GA-600-2006 FIRE RESIST. DESIGN MANUAL, SECTION III.



STUD DIMENSION	CMU NOM. DIM.	ACOUSTIC INSUL.	THERMAL INSUL.
0	-	N.A.	N.A.
1	3/4" WOOD	1" UNO.	1" UNO.
2	1 1/2" WOOD	2 1/2" UNO.	2 1/2" UNO.
4	3 1/2" WOOD	3.5" UNO.	3 1/2" R11 UNO.
6	5 1/2" WOOD	5.5" UNO.	5 1/2" R21 UNO.
8	7 1/4" WOOD	5.5" UNO.	5 1/2" R21 UNO.
10	9 1/4" WOOD	5.5" UNO.	5 1/2" R21 UNO.
12	11 1/4" WOOD	5.5" UNO.	5 1/2" R21 UNO.

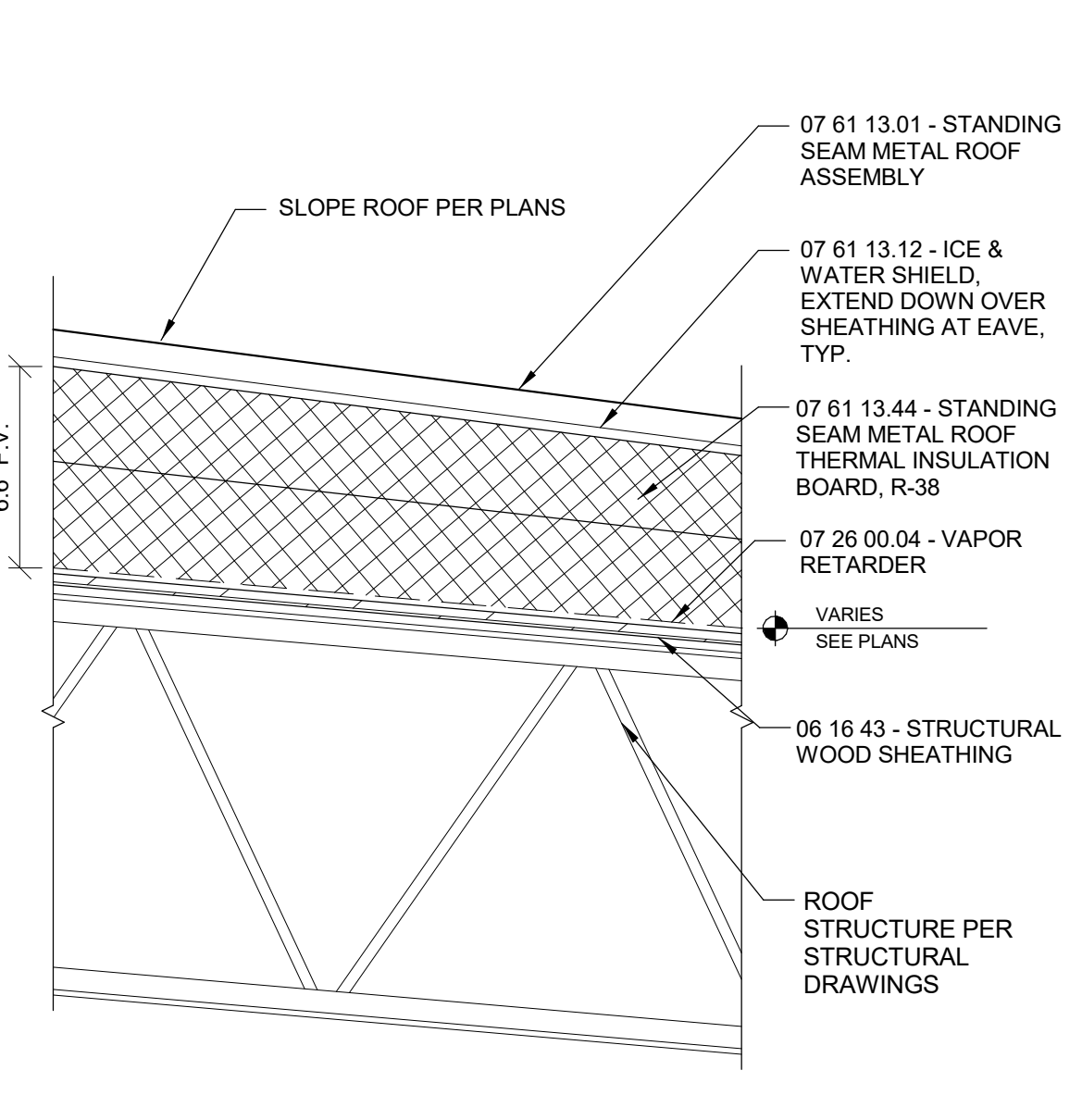
NOTE: REFERENCE GYPSUM BOARD SPECIFICATION SECTION 09 29 00 FOR LOCATIONS AND TYPES OF GYPSUM BOARD USED THROUGHOUT PROJECT

E1 PARTITION HEAD TYPES
SCALE: FULL SIZE PARTITION ASSEMBLY HEAD TYPE

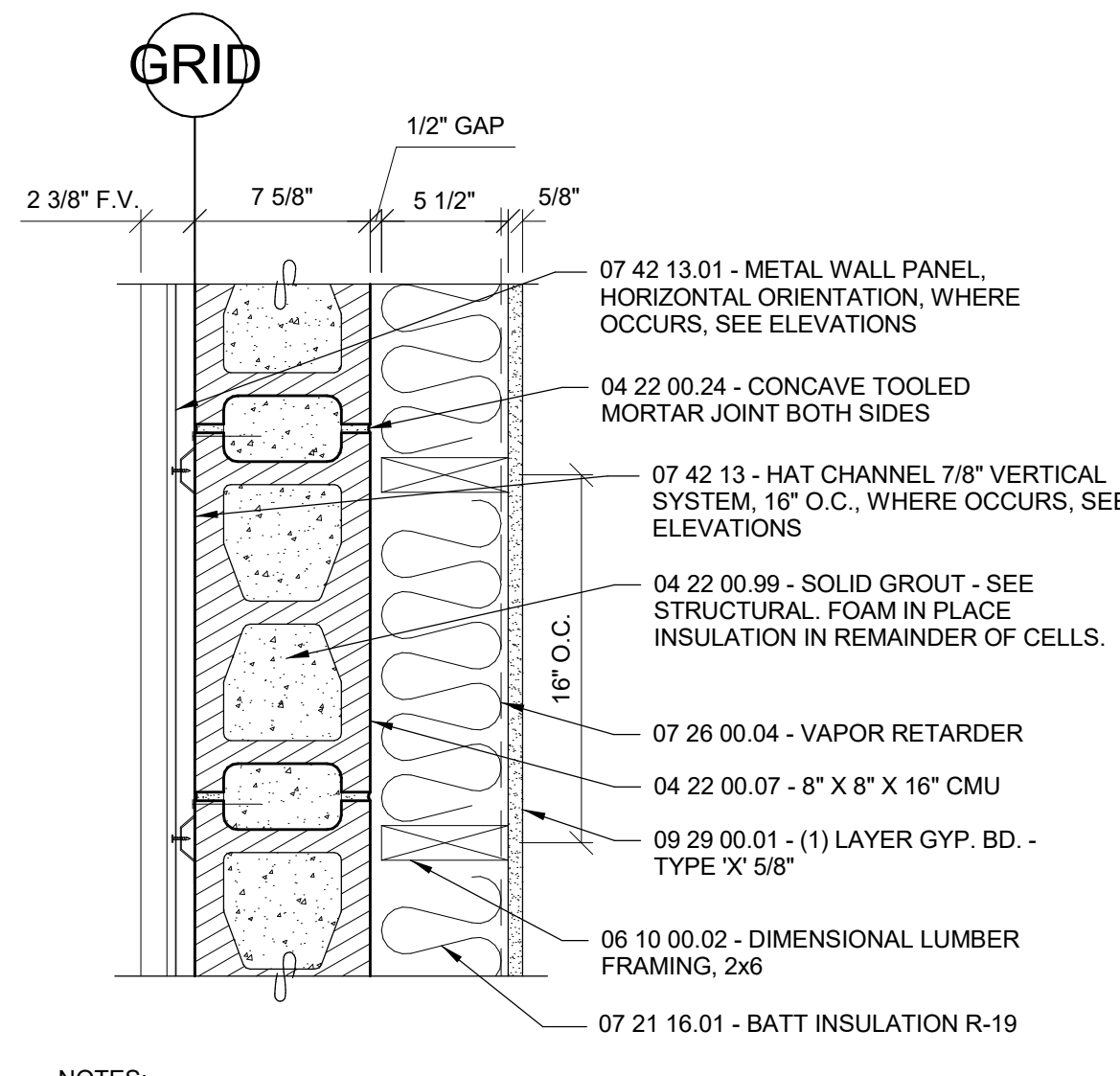


NOTES:
1. SEE STRUCTURAL FOR STEEL REINFORCING REQUIREMENTS.

N.1 EXTERIOR WALL ASSEMBLY
SCALE: 1 1/2" = 1'-0" EXT WALL ASSEM 01

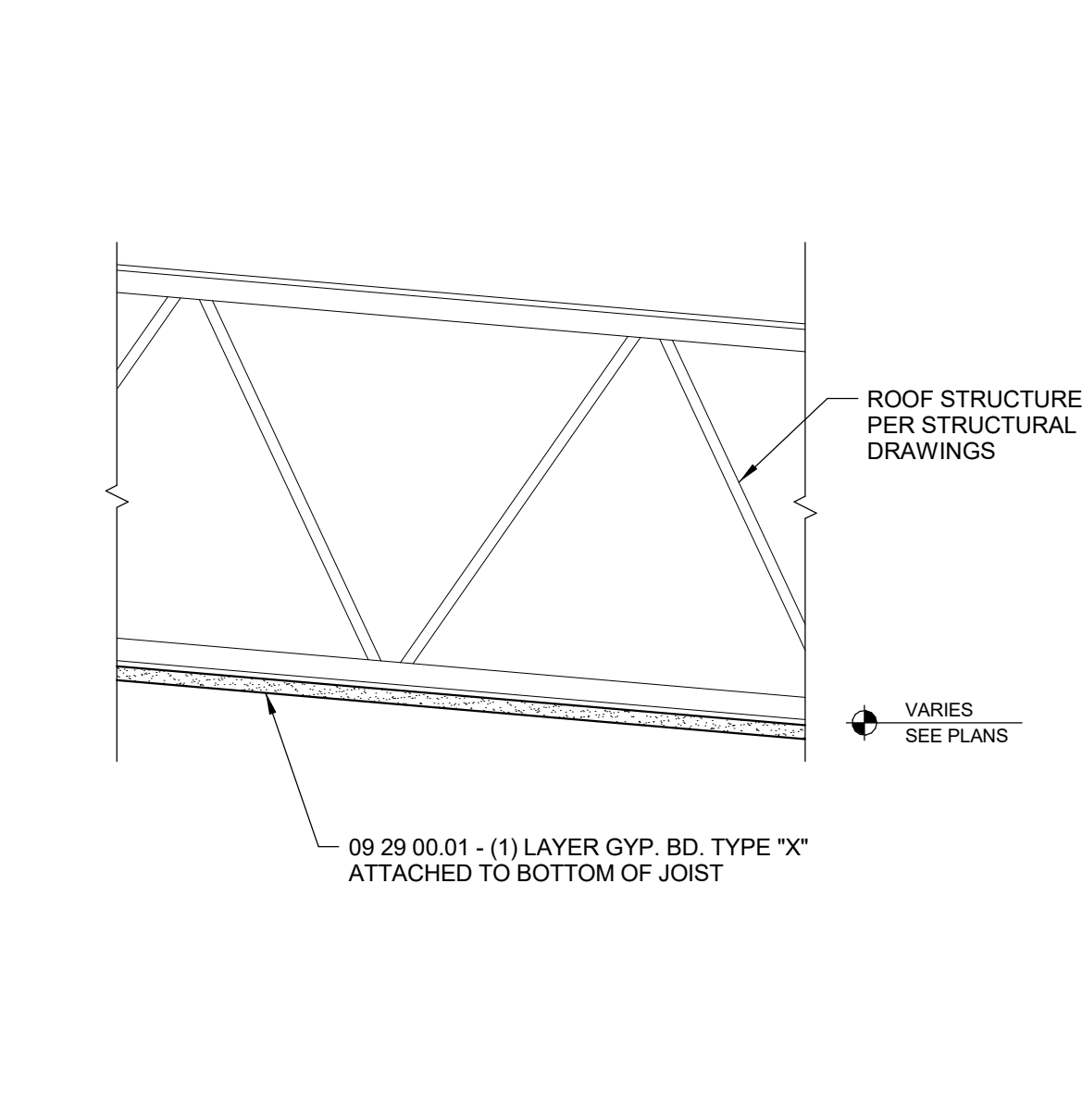


R.1 ROOF ASSEMBLY
SCALE: 1 1/2" = 1'-0" ROOF ASSEM 02

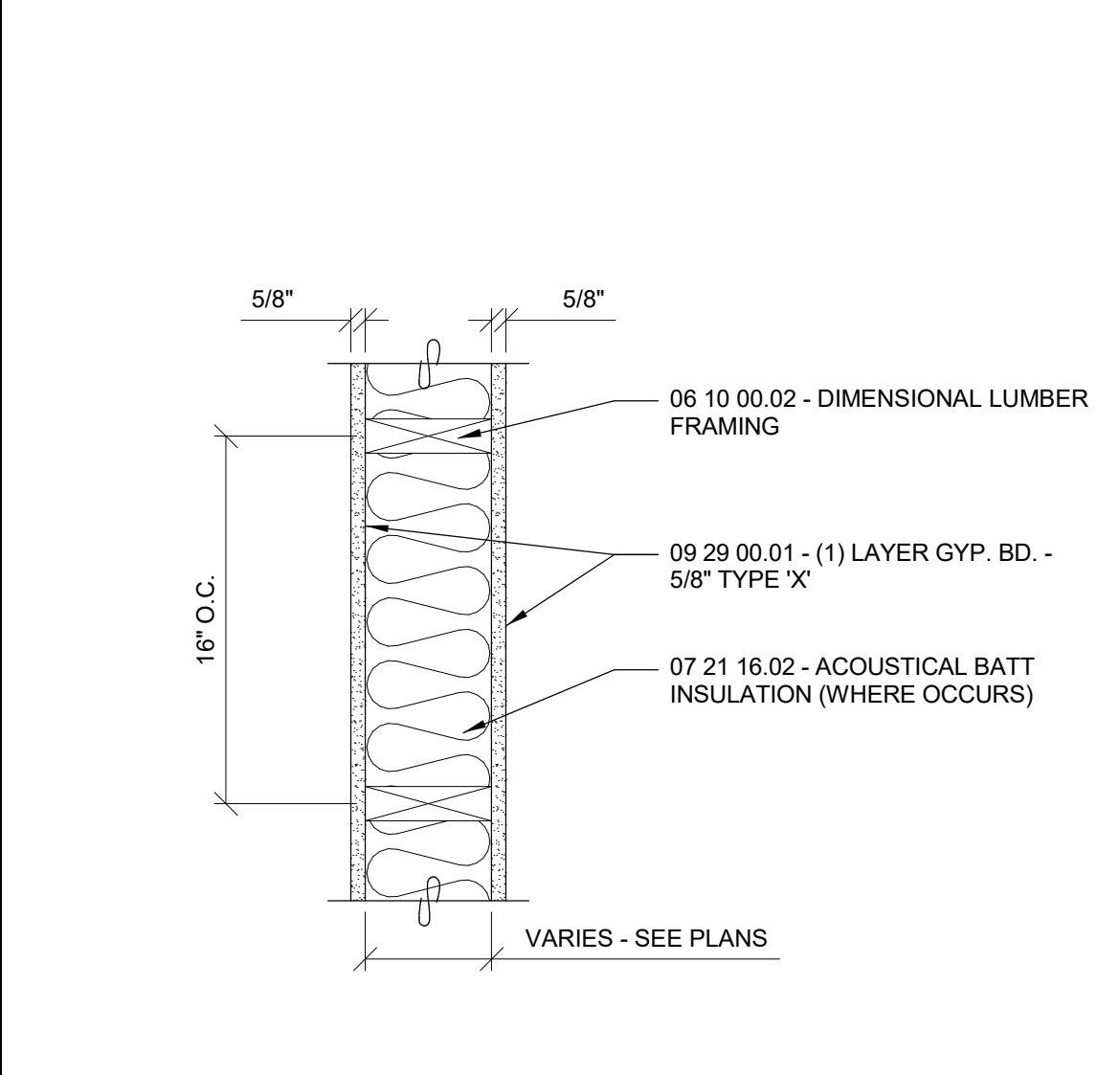


NOTES:
1. SEE STRUCTURAL FOR STEEL REINFORCING REQUIREMENTS.

N.2 WALL ASSEMBLY
SCALE: 1 1/2" = 1'-0" CMU FURRED ASSEM

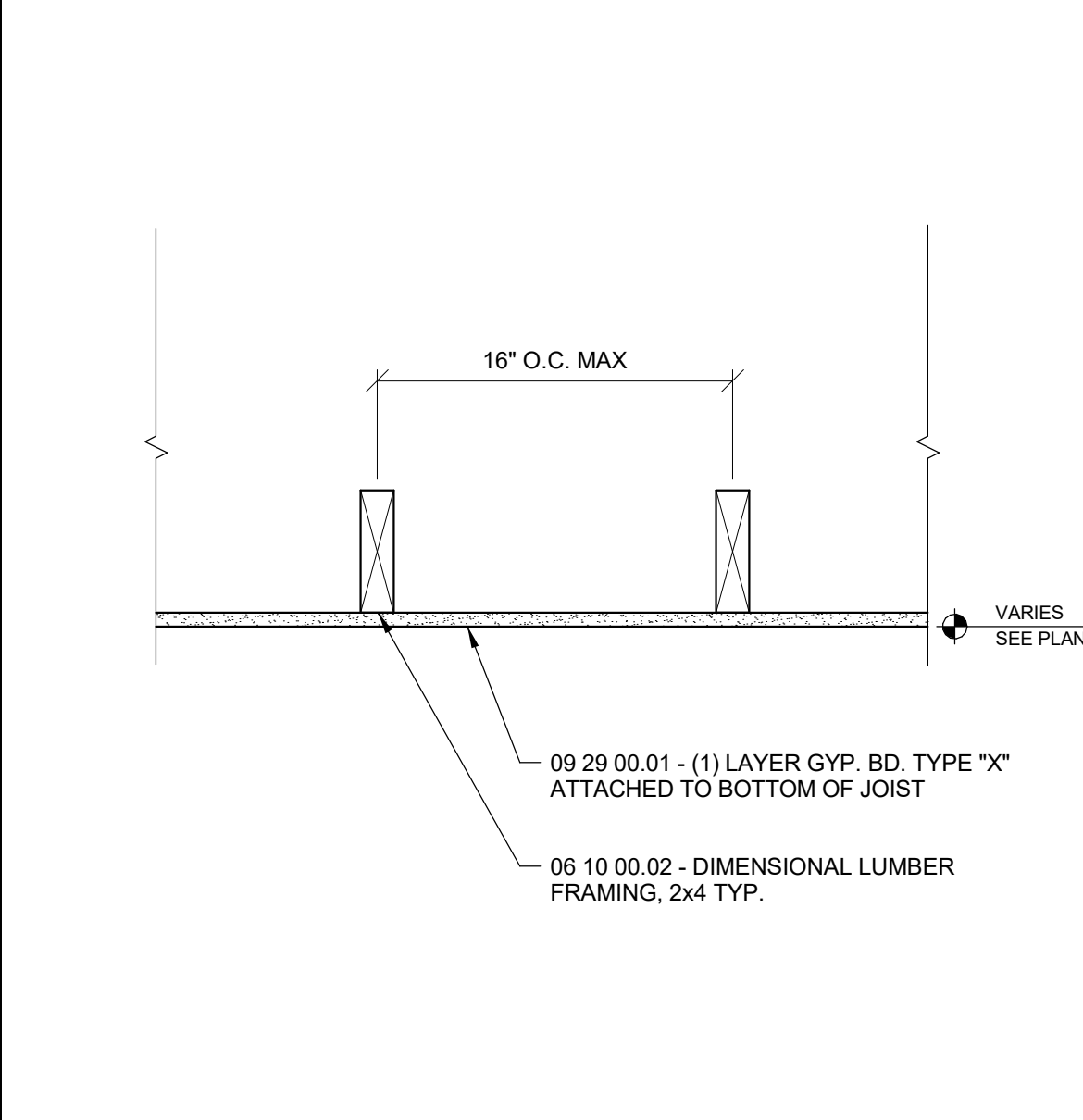


C-1 CEILING ASSEMBLY - GYP. BD
SCALE: 1 1/2" = 1'-0" CLNG ASSEM 01

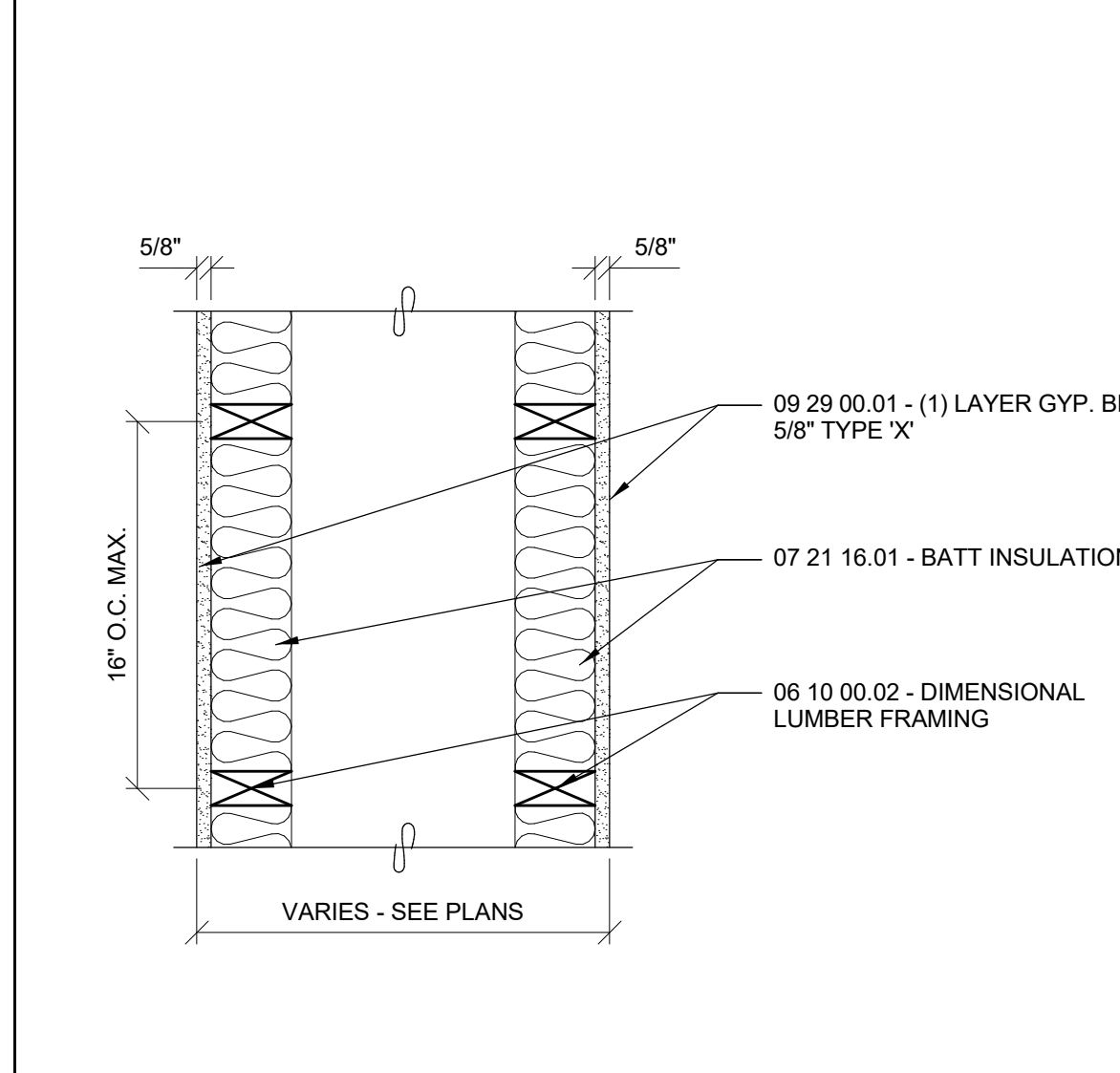


NOTES:
1. SEE STRUCTURAL FOR STEEL REINFORCING REQUIREMENTS.

N.3 GYPSUM WALL ASSEMBLY
SCALE: 1 1/2" = 1'-0" INT WALL ASSEM NR-02

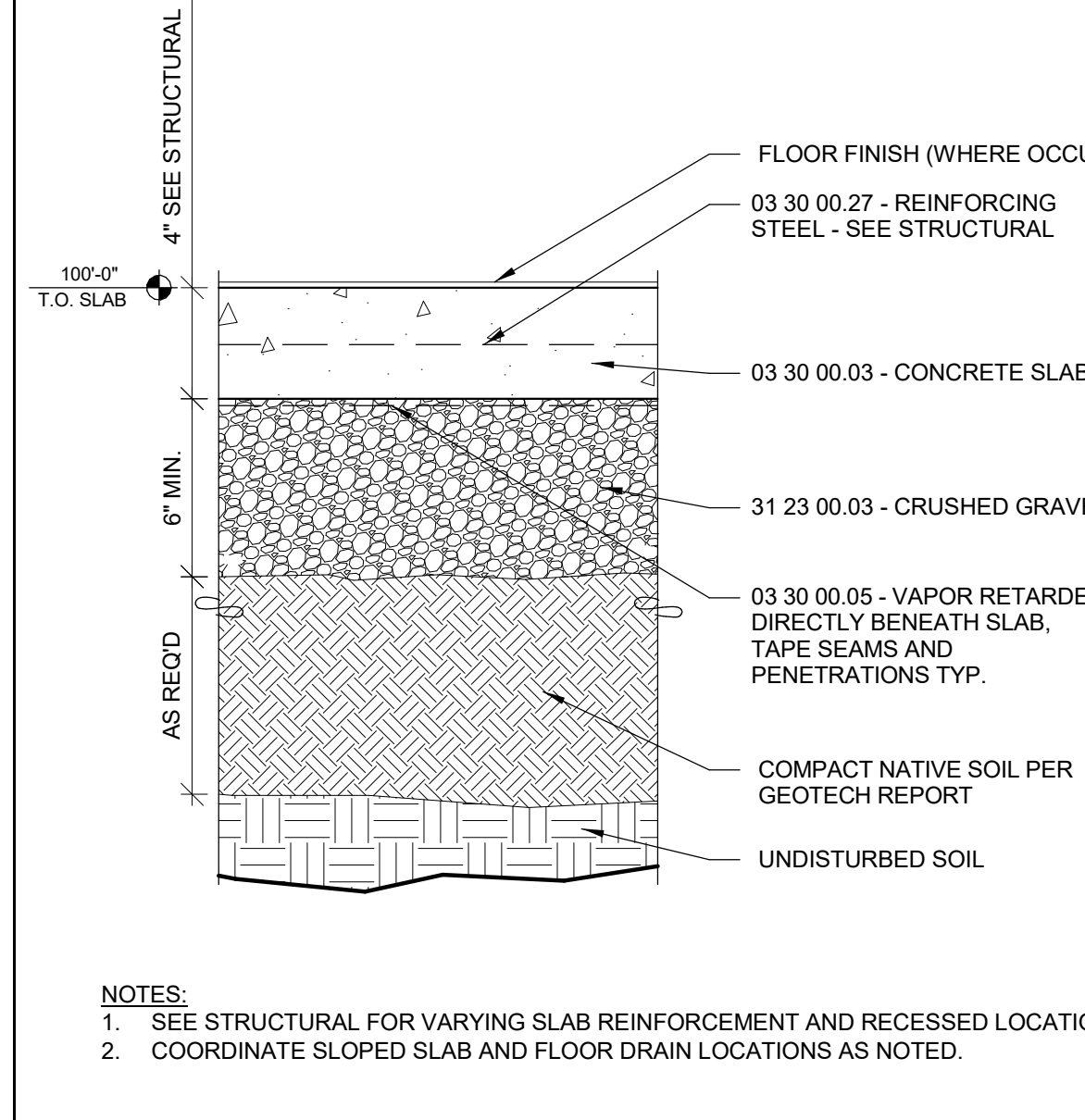


C-2 CEILING ASSEMBLY - GYP. BD
SCALE: 1 1/2" = 1'-0" CLNG ASSEM 02

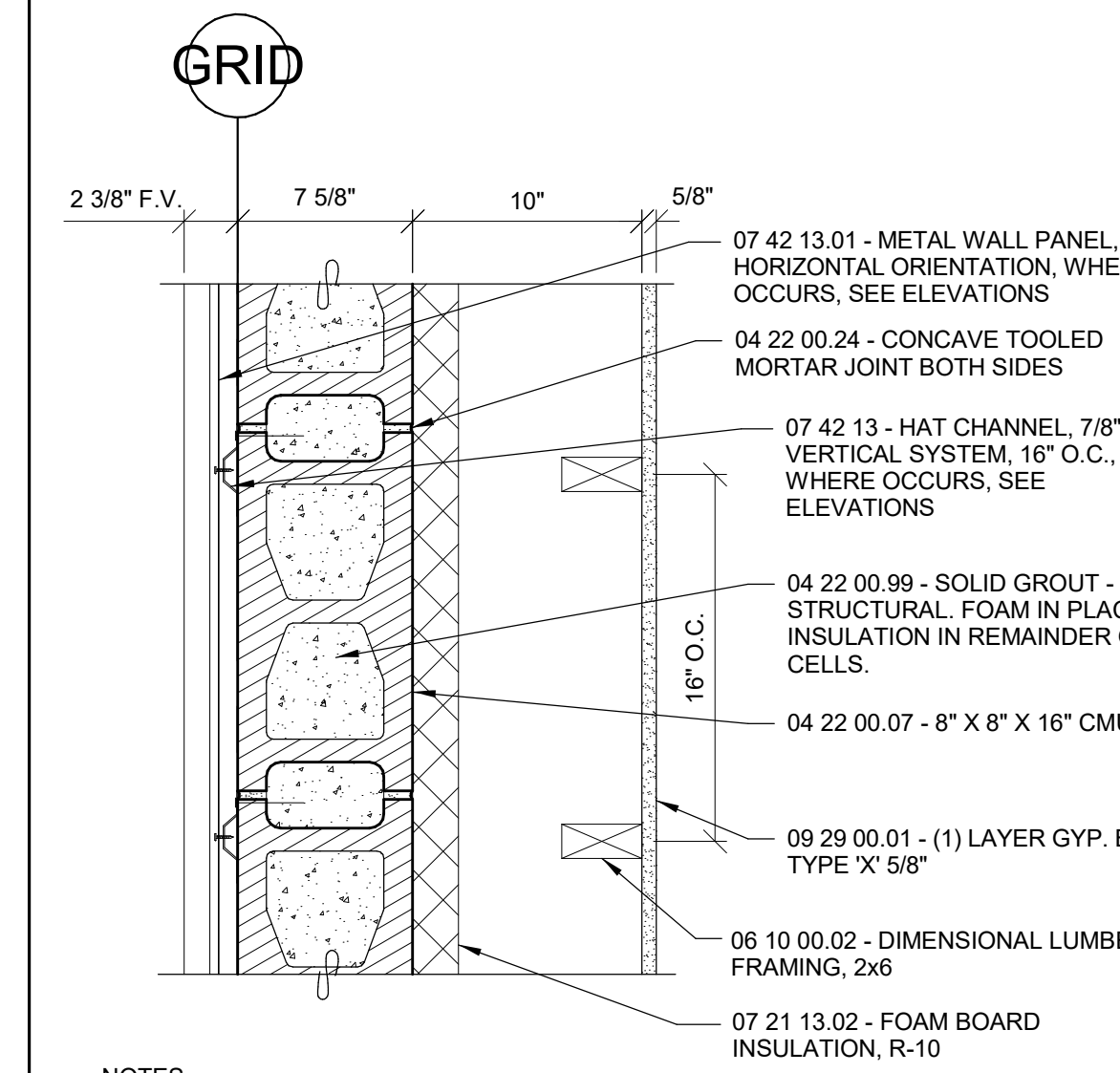


NOTES:
1. SEE STRUCTURAL FOR VARYING SLAB REINFORCEMENT AND RECESSED LOCATIONS.
2. COORDINATE SLOPED SLAB AND FLOOR DRAIN LOCATIONS AS NOTED.

N.4 DOUBLE STUD WALL ASSEMBLY
SCALE: 1 1/2" = 1'-0" DOUBLE STUD WALL ASSEM



S-1 SLAB ASSEMBLY
SCALE: 1 1/2" = 1'-0" SLAB ASSEM 01



NOTES:
1. SEE STRUCTURAL FOR STEEL REINFORCING REQUIREMENTS.

N.5 WALL ASSEMBLY
SCALE: 1 1/2" = 1'-0" CMU FURRED ASSEM 2

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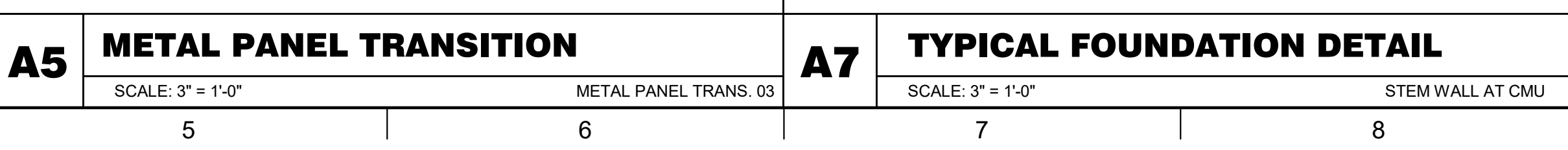
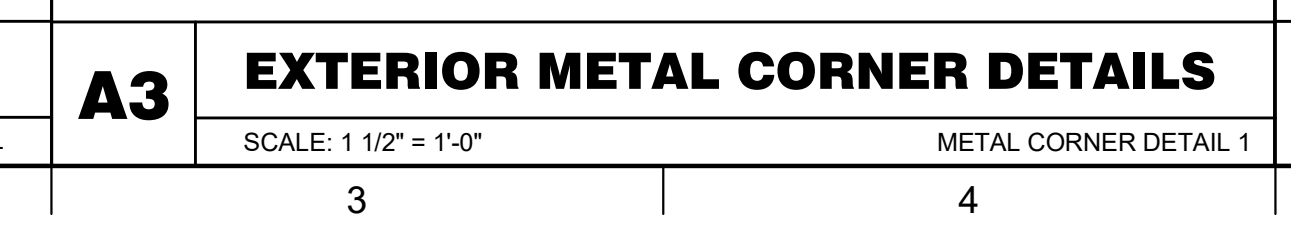
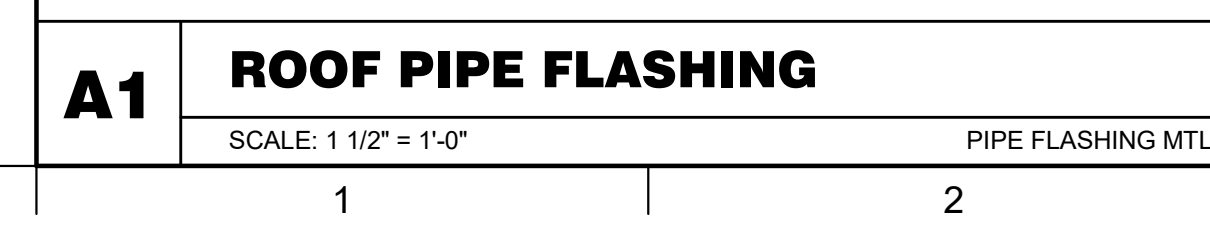
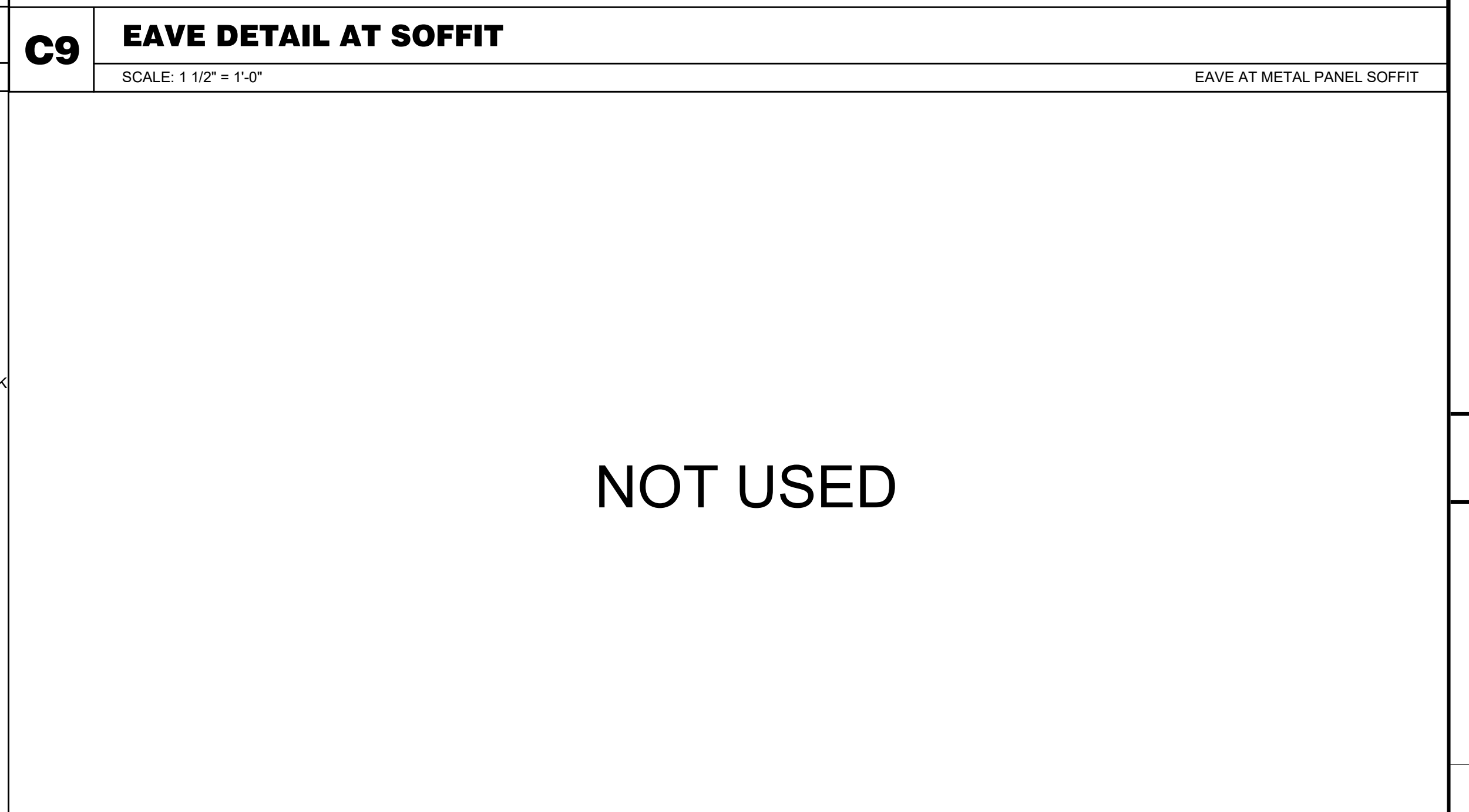
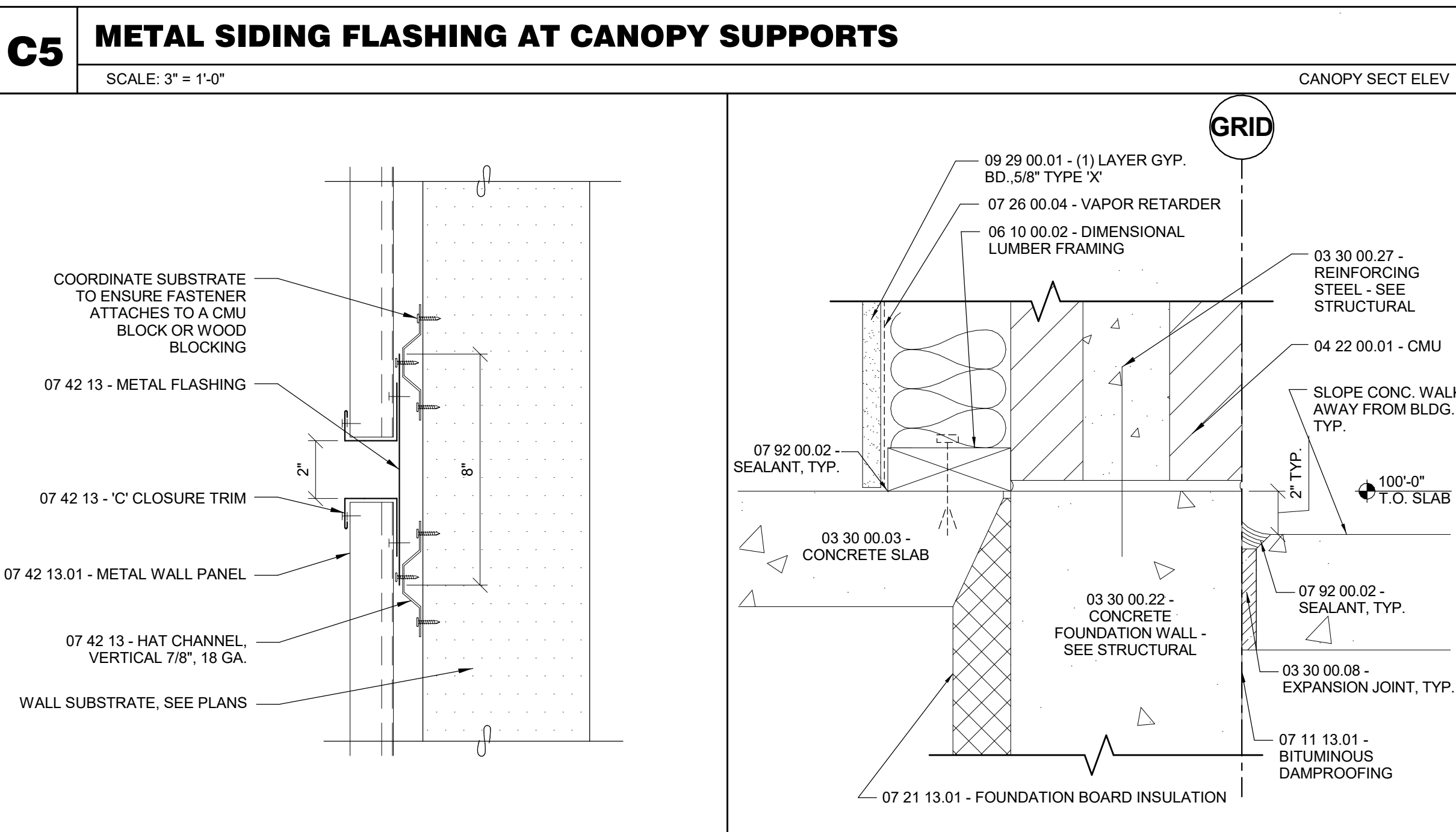
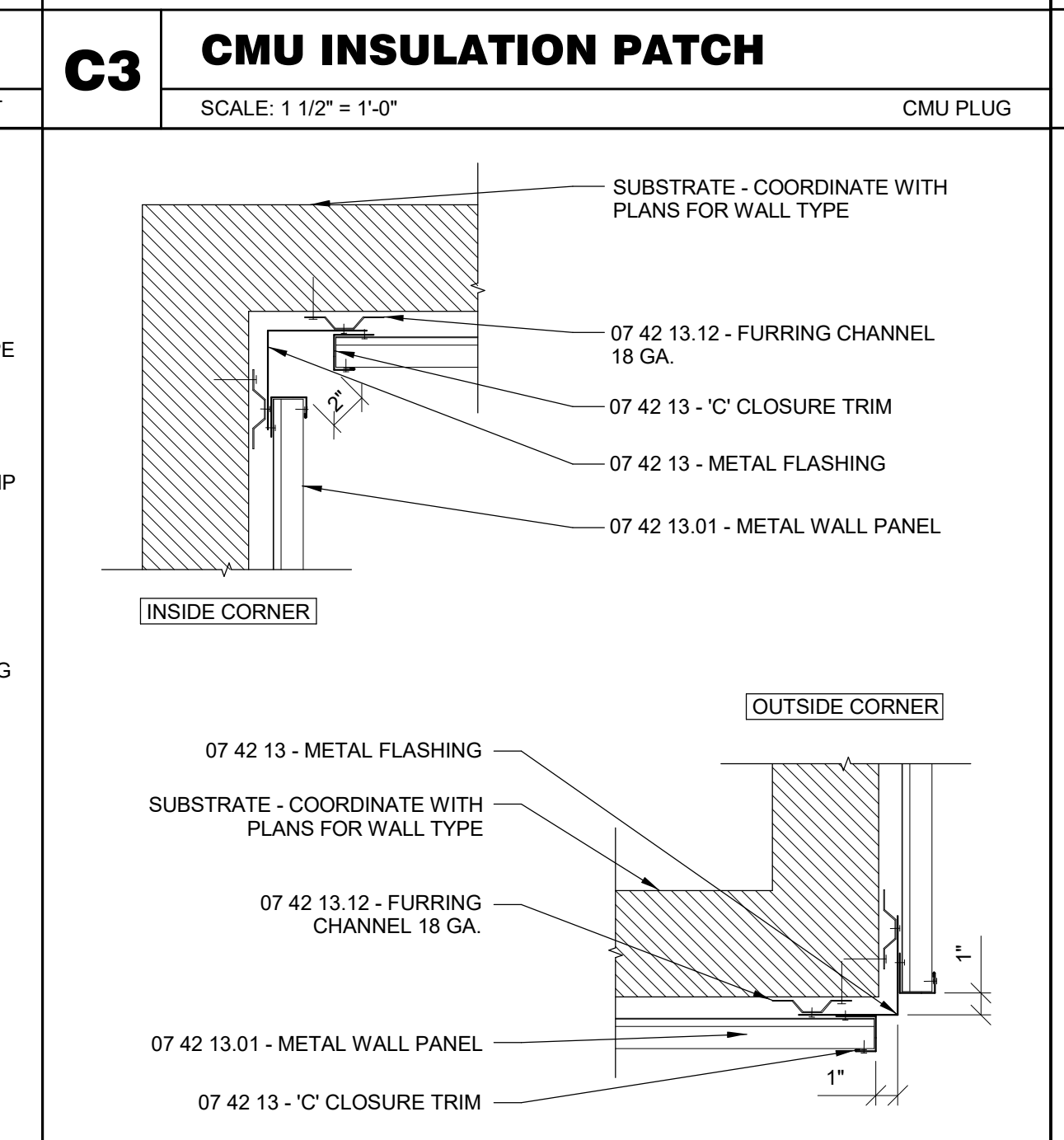
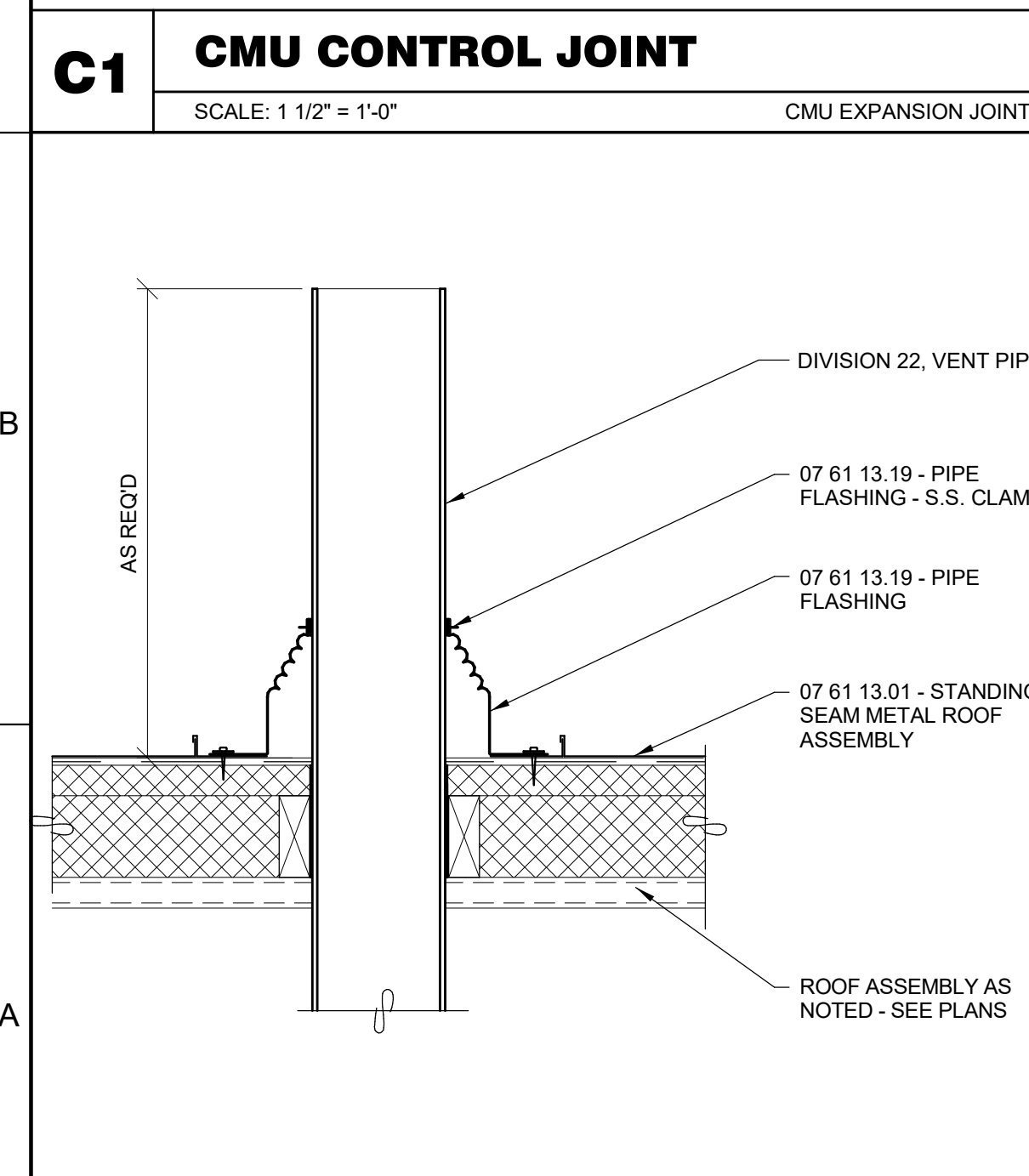
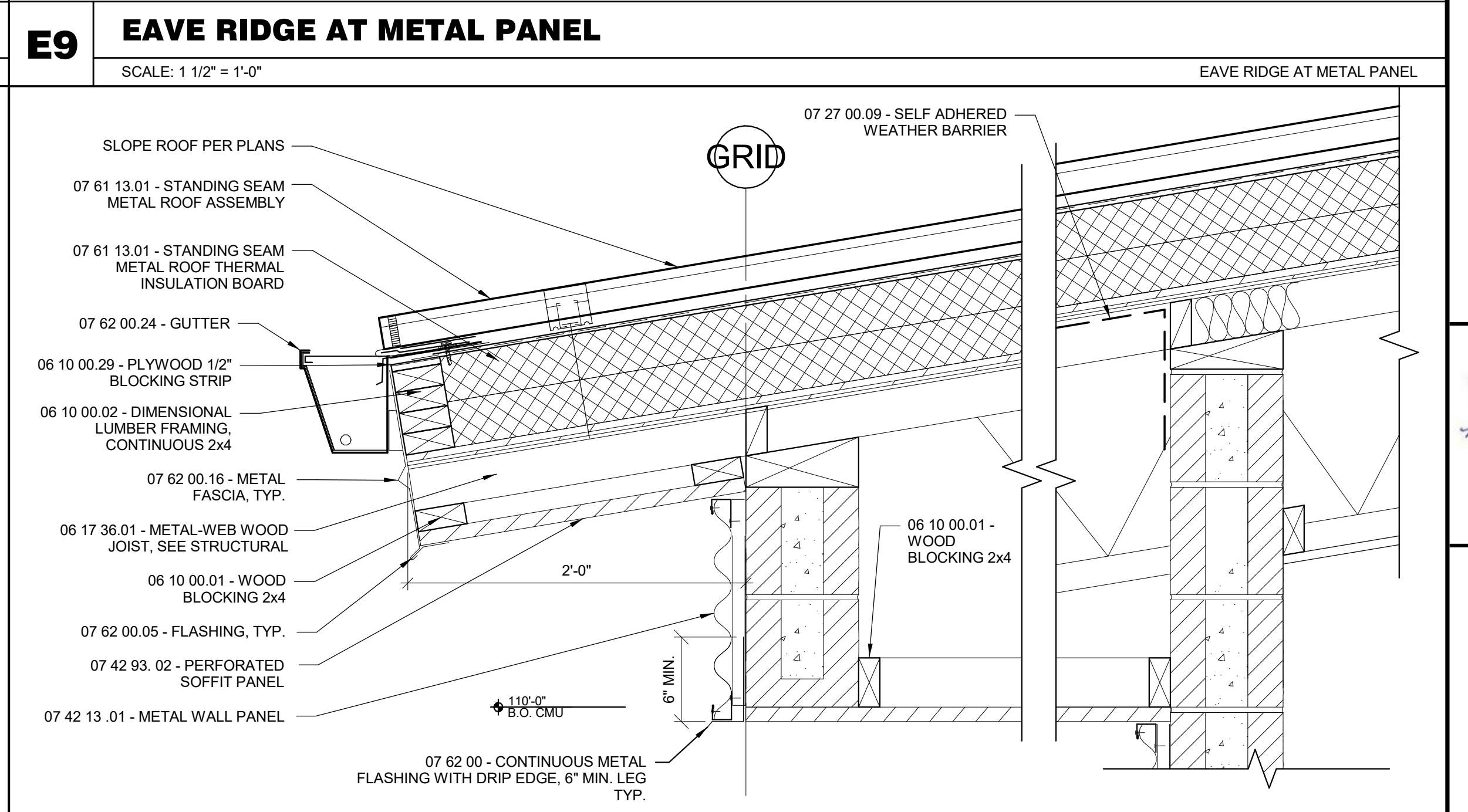
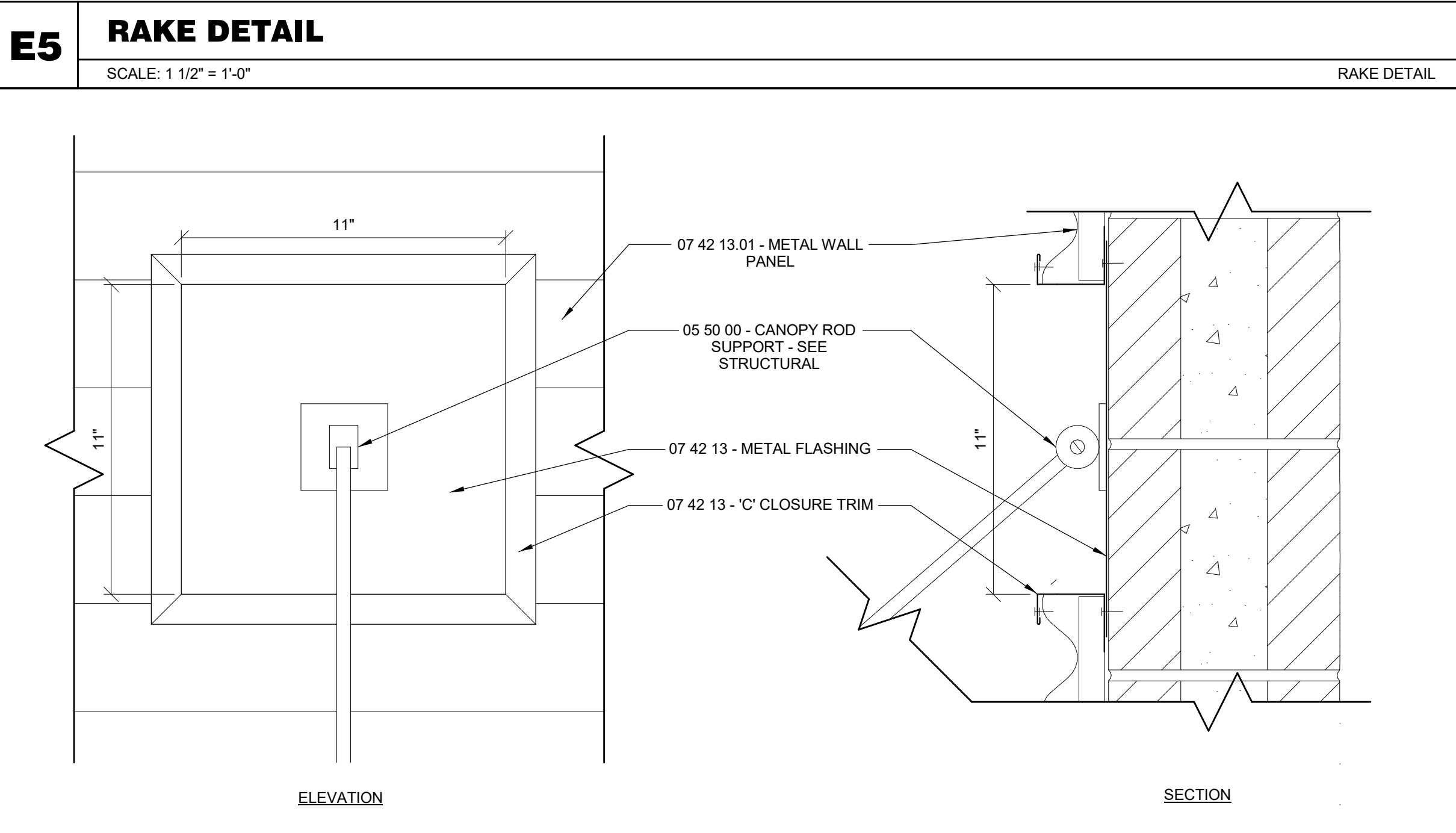
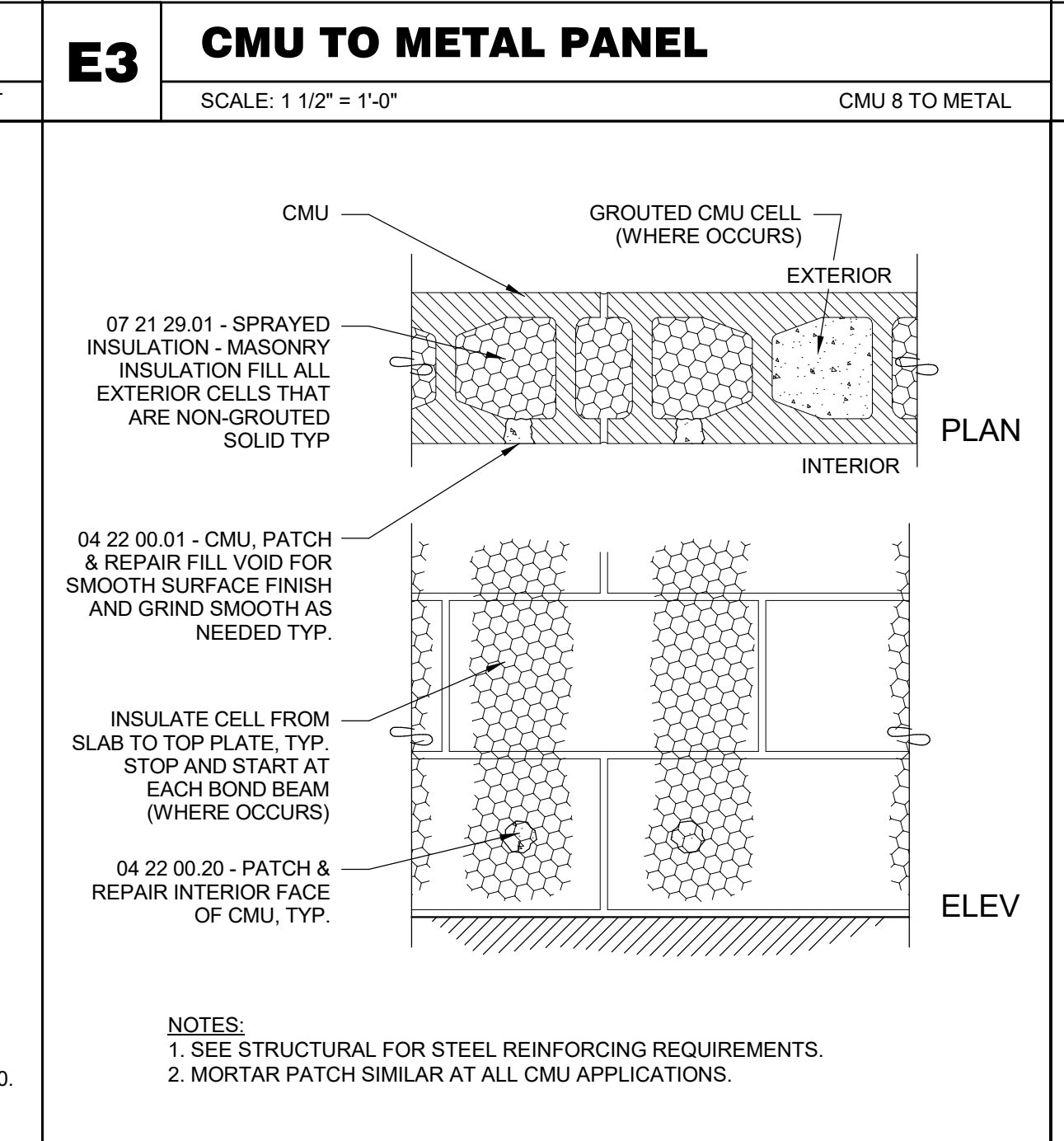
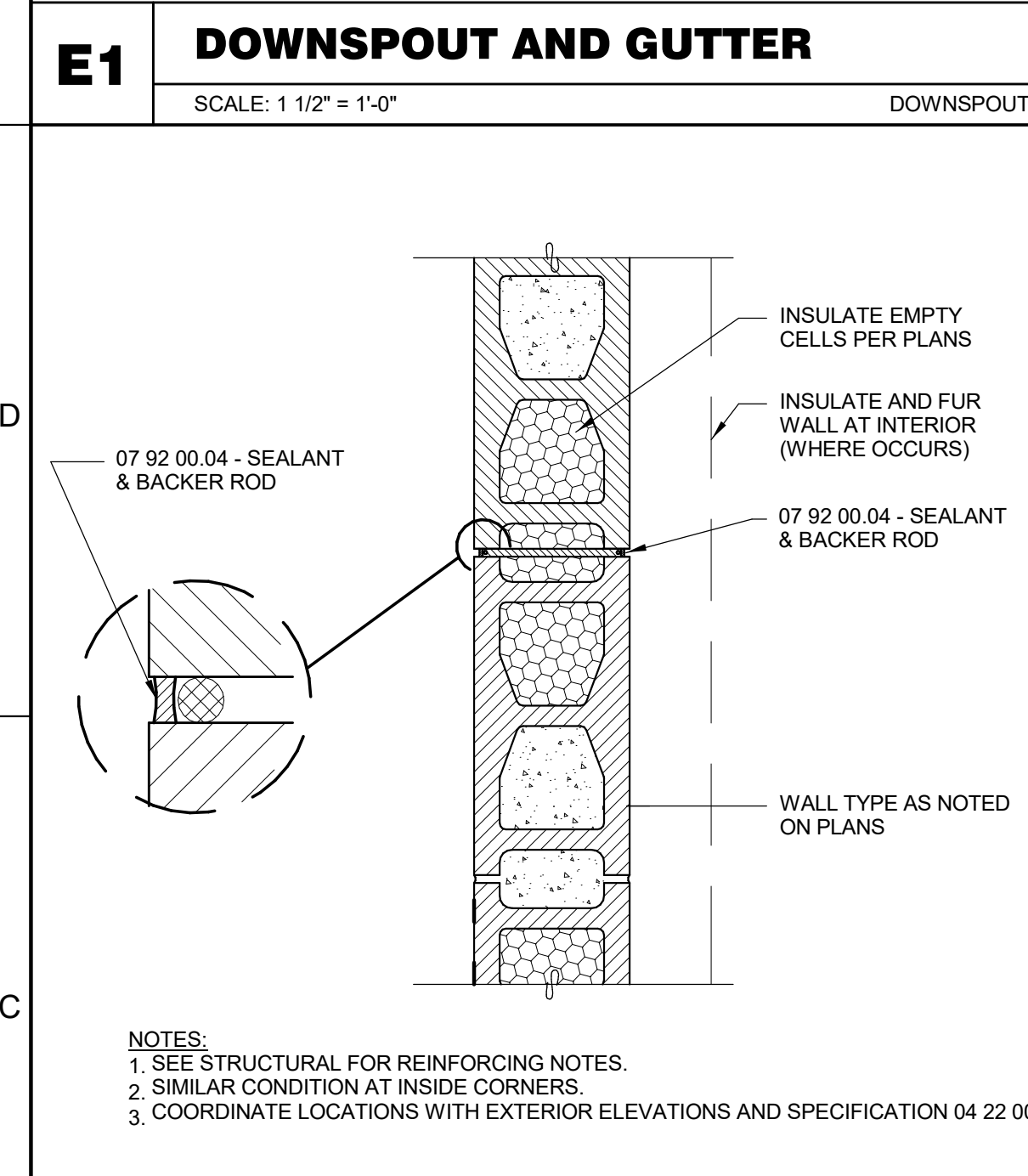
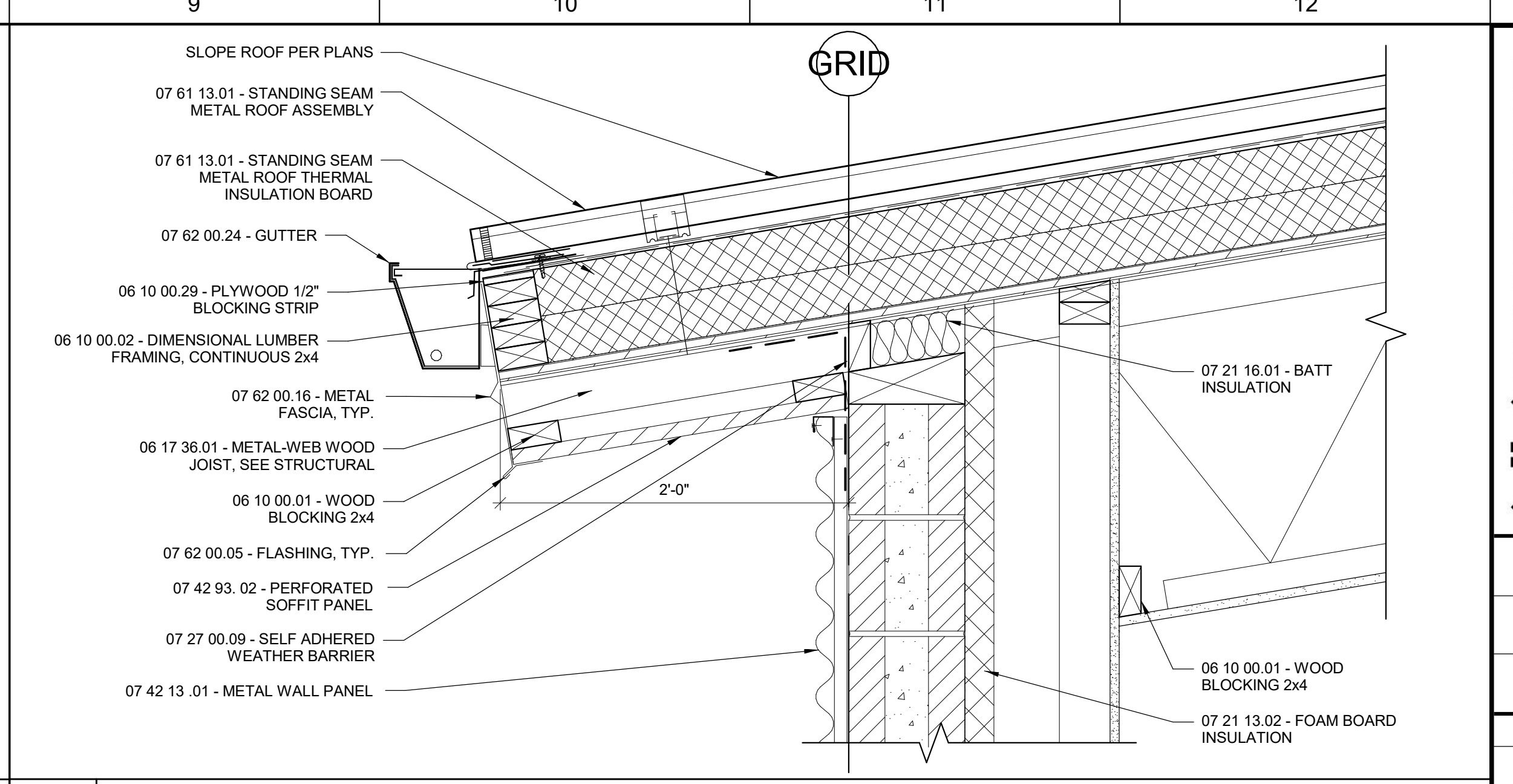
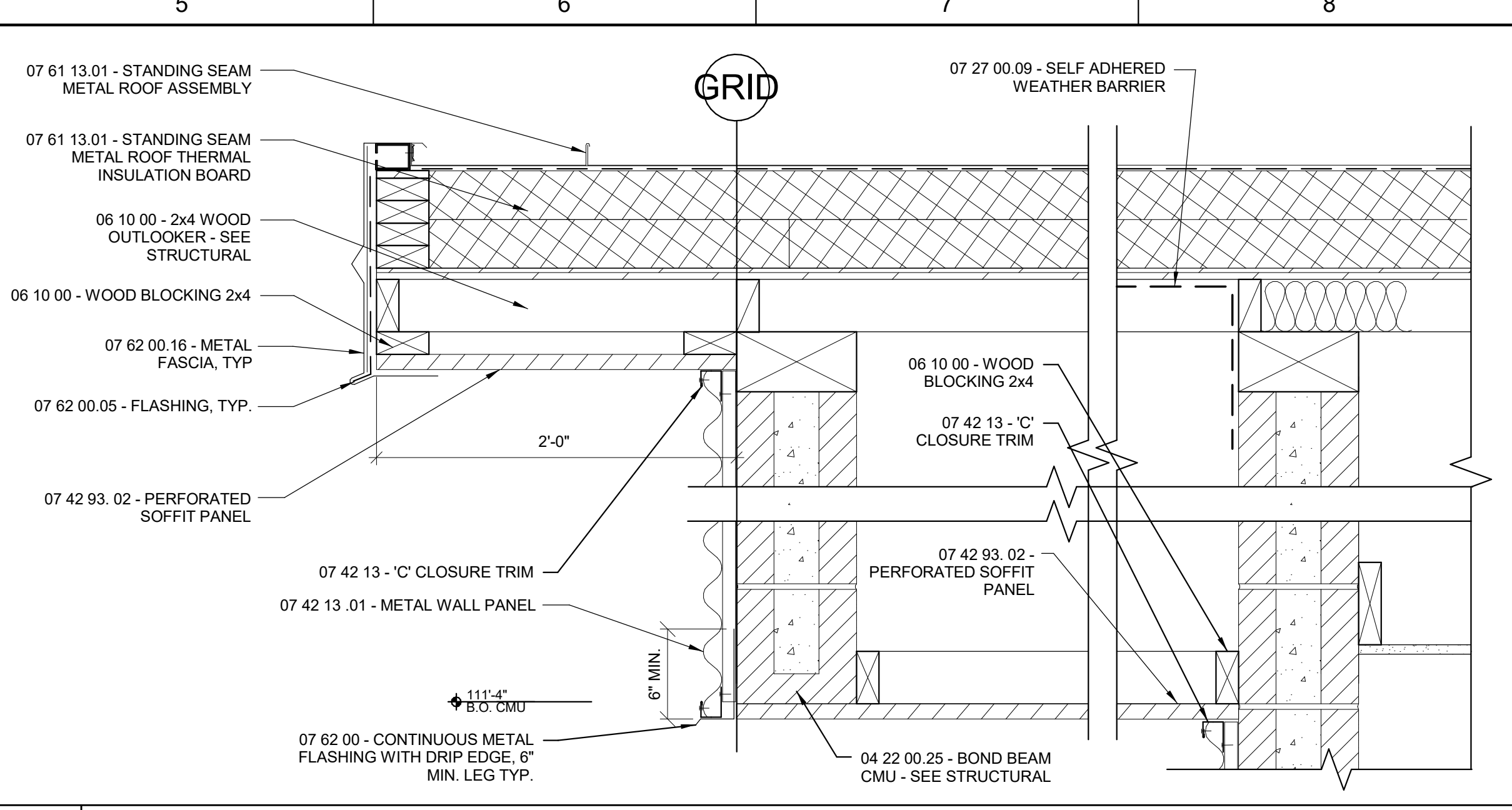
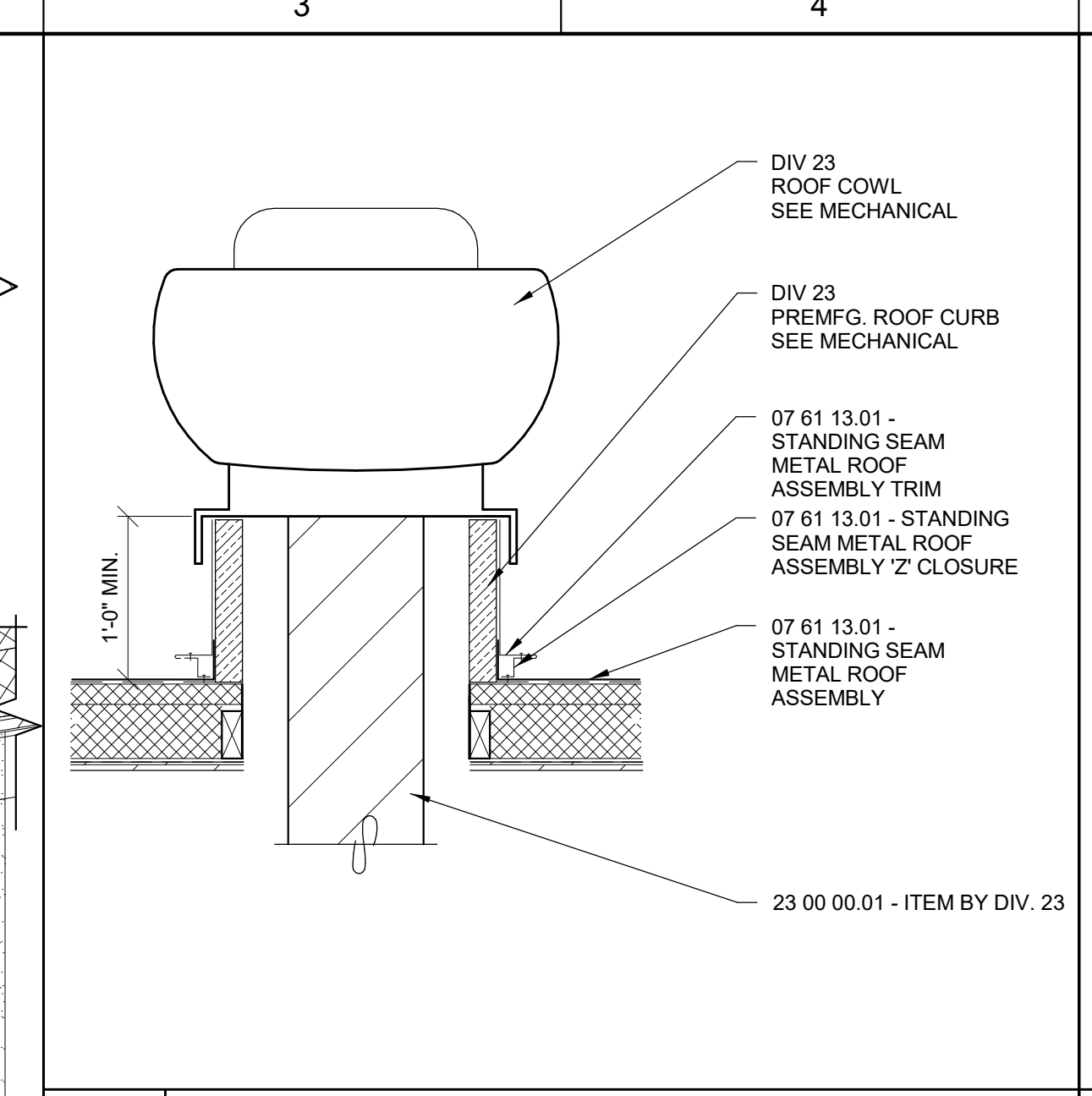
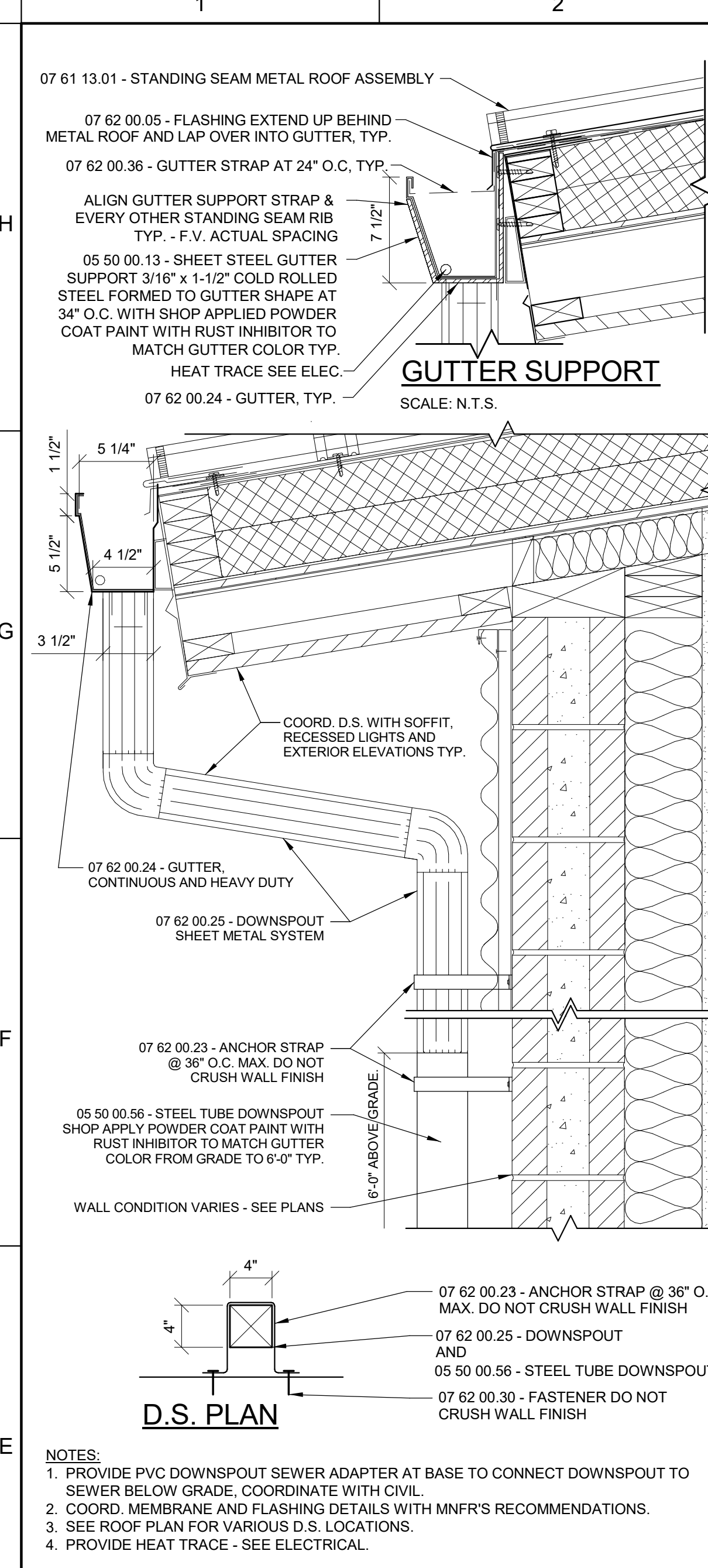
10638 REGISTERED ARCHITECT
MATTHEW J. WHITISH
STATE OF WASHINGTON

**HANFORD HIGH SCHOOL
ATHLETIC FIELD**
450 HANFORD STREET
RICHLAND, WASHINGTON 99354

DATE
11/17/2020

SHEET NAME
ASSEMBLIES

SHEET
A8.00



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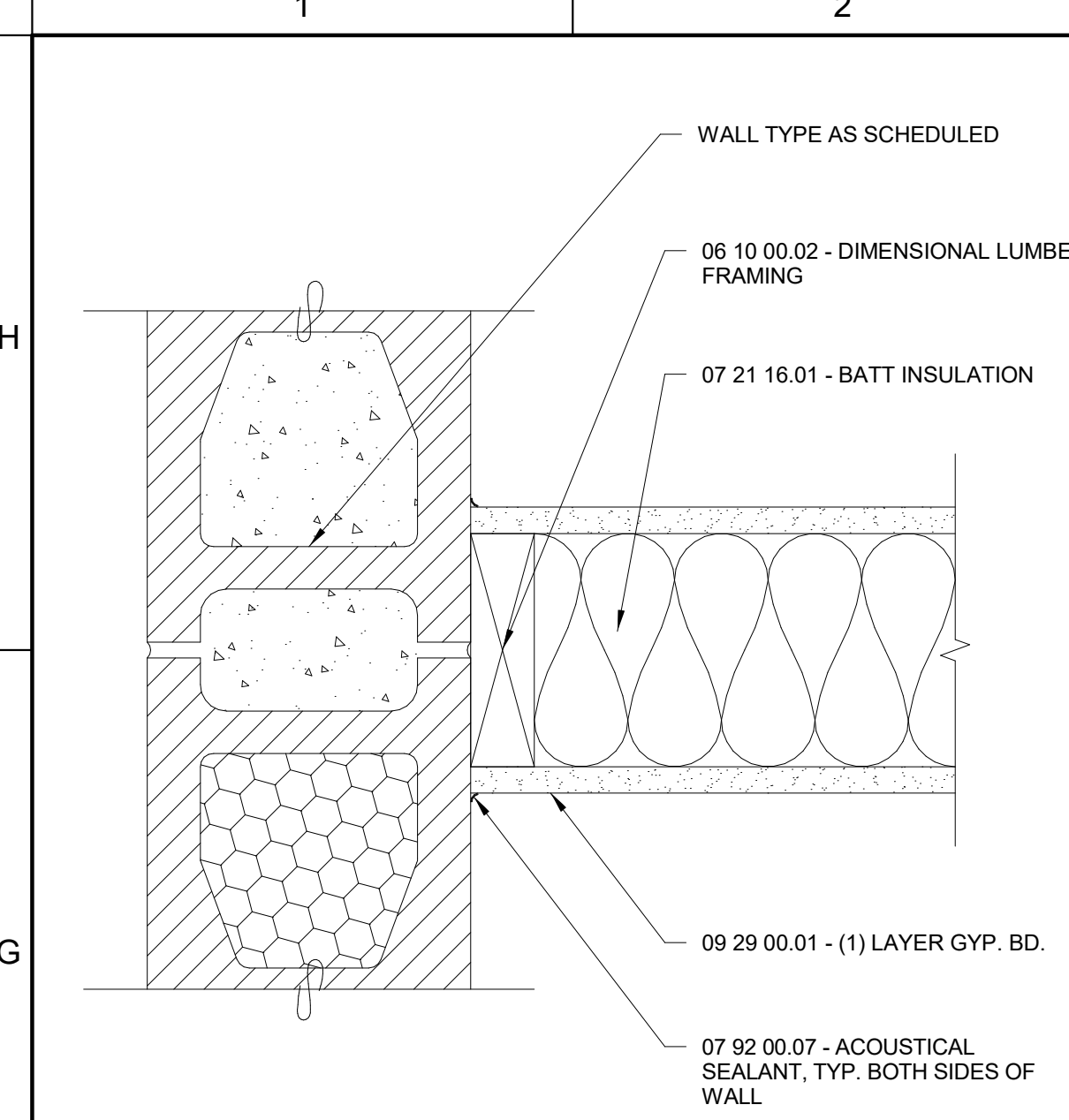
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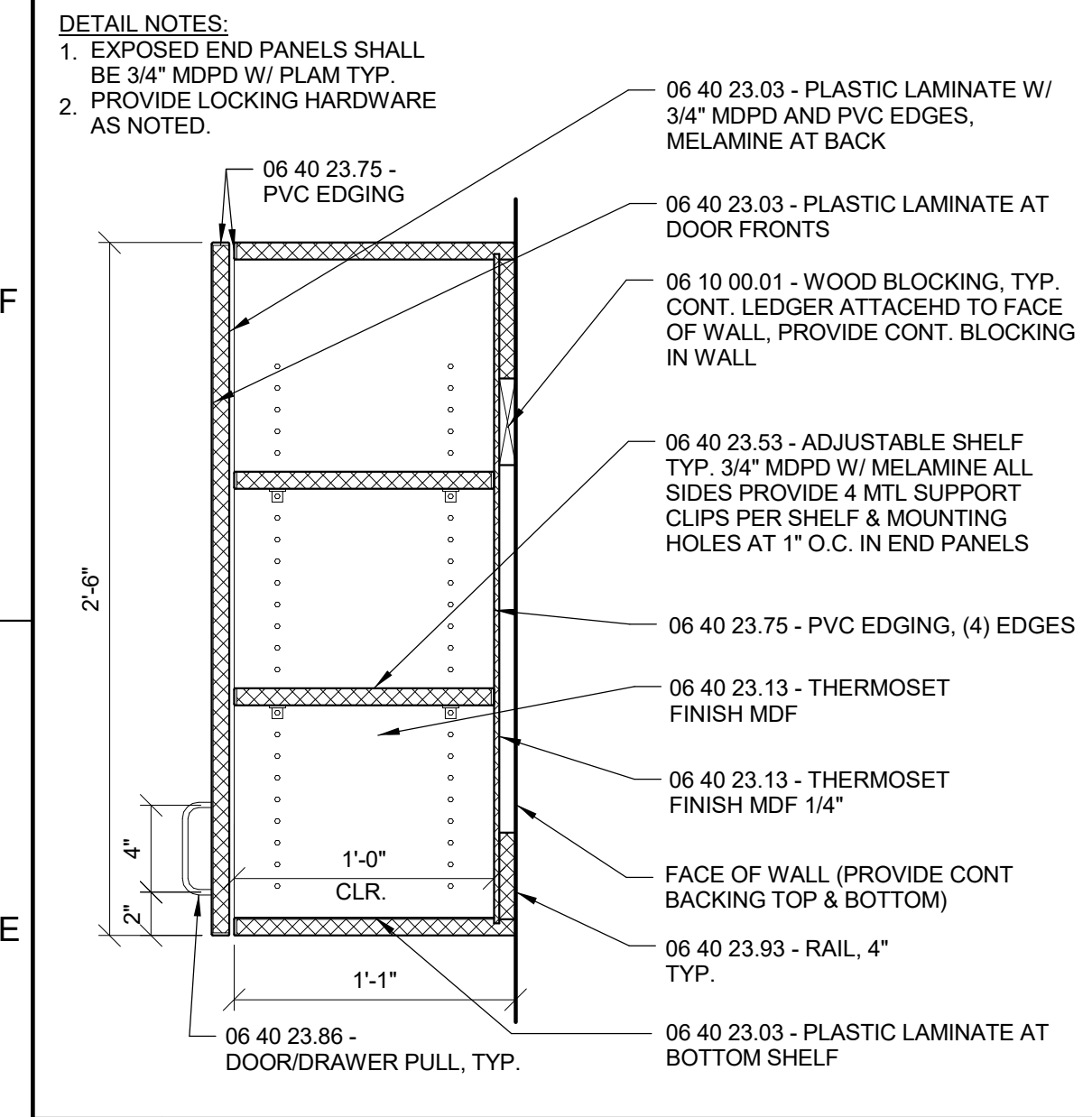
DATE 11/17/2020
SHEET NAME EXTERIOR DETAILS
SHEET A8.20

10688 REGISTERED ARCHITECT
Matthew J. Whitish
STATE OF WASHINGTON

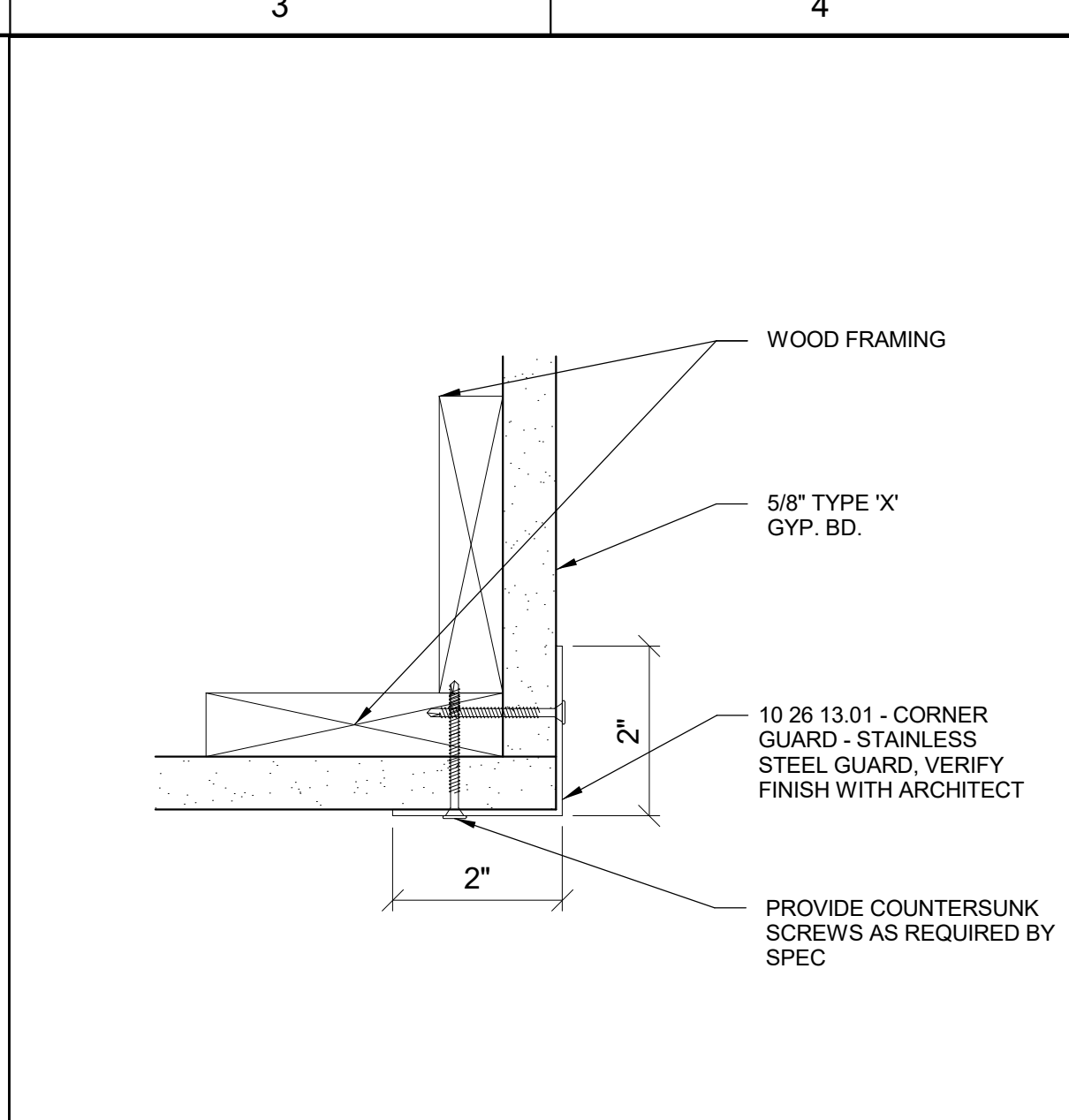
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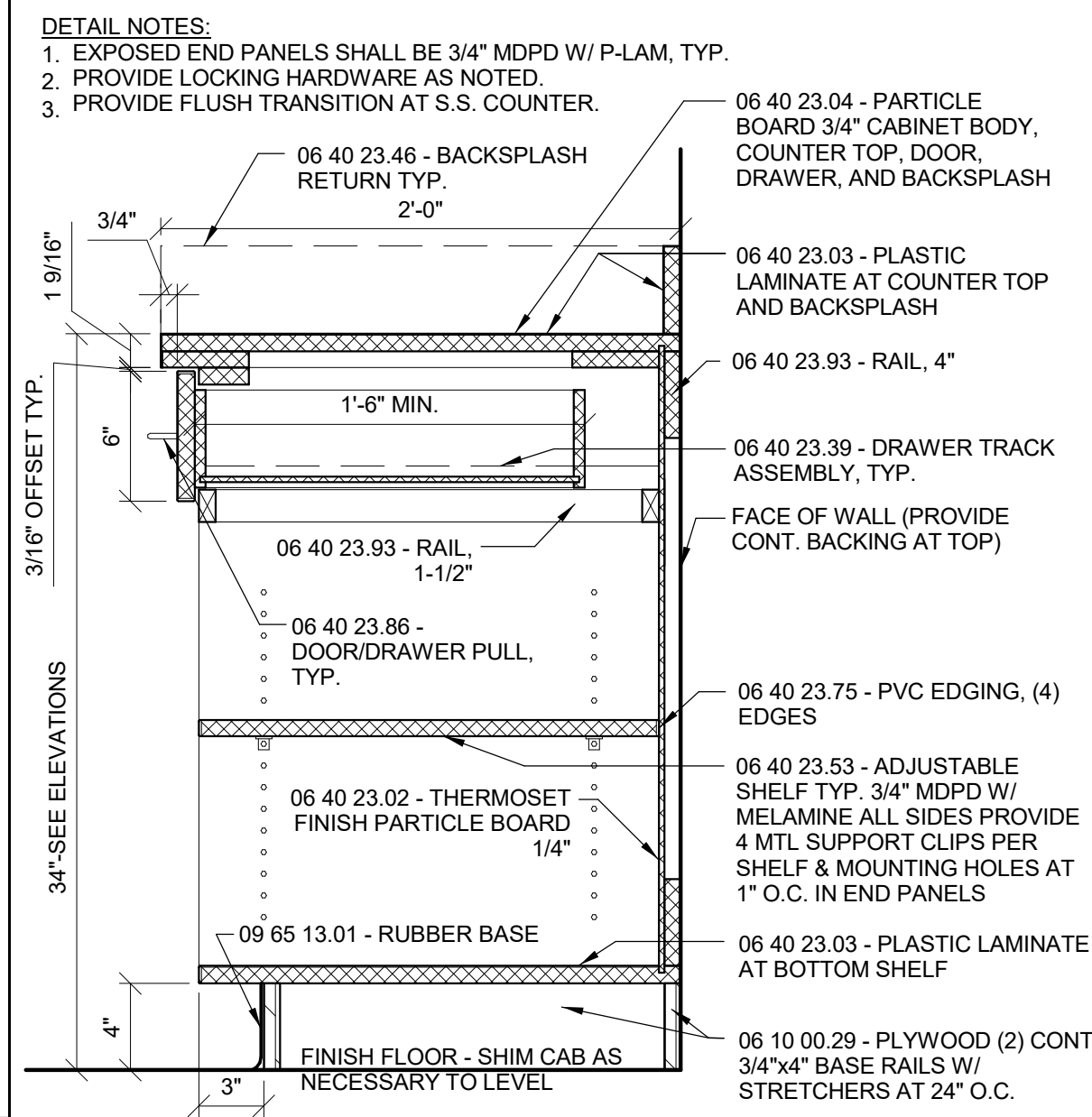
G1 SEALANT AT CMU PERIMETER
SCALE: 3" = 1'-0" SEALANT AT CMU PERIMETER



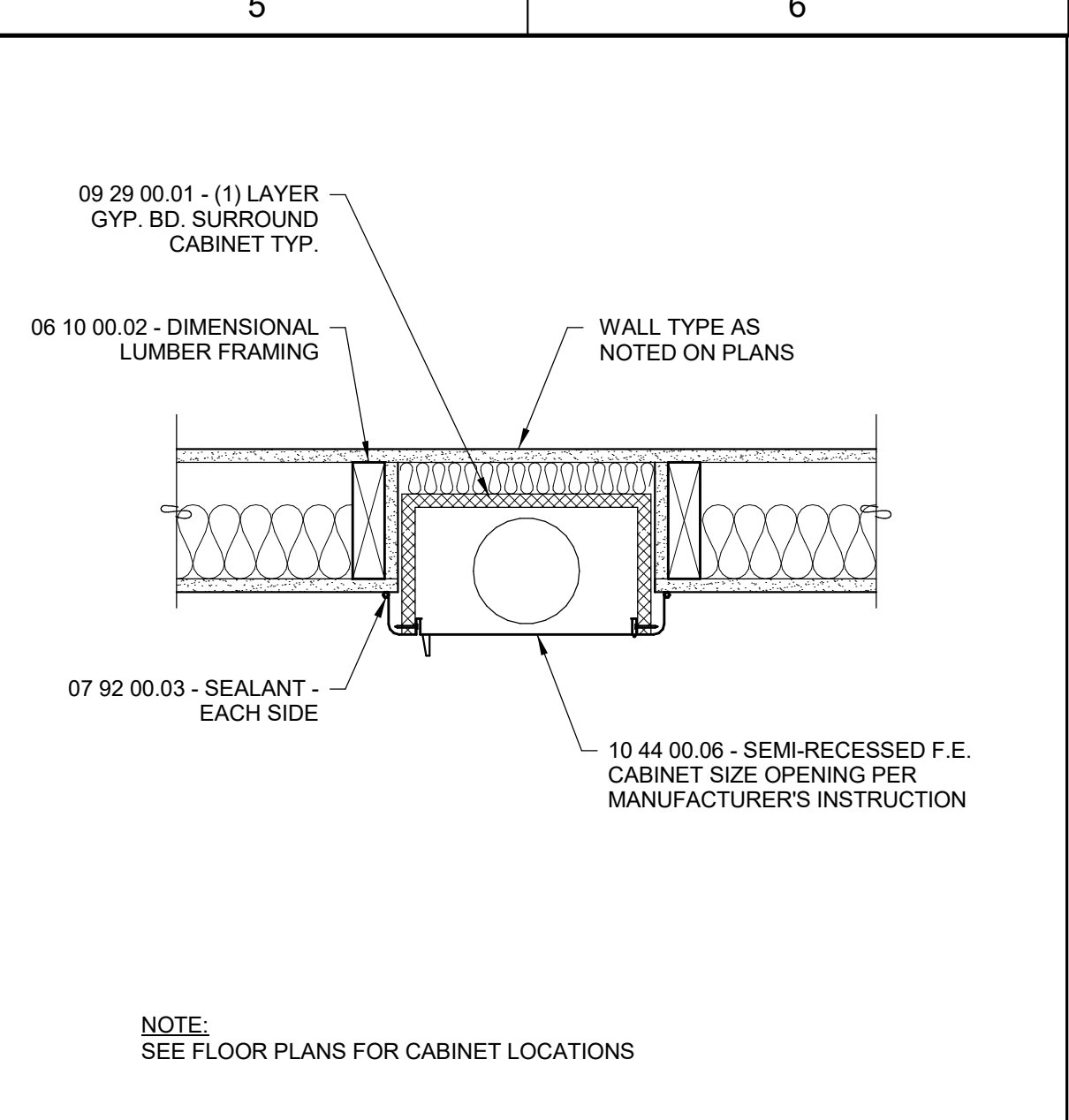
E1 UPPER CABINET WITH DOORS
SCALE: 1 1/2" = 1'-0" UPPER CABINET 1



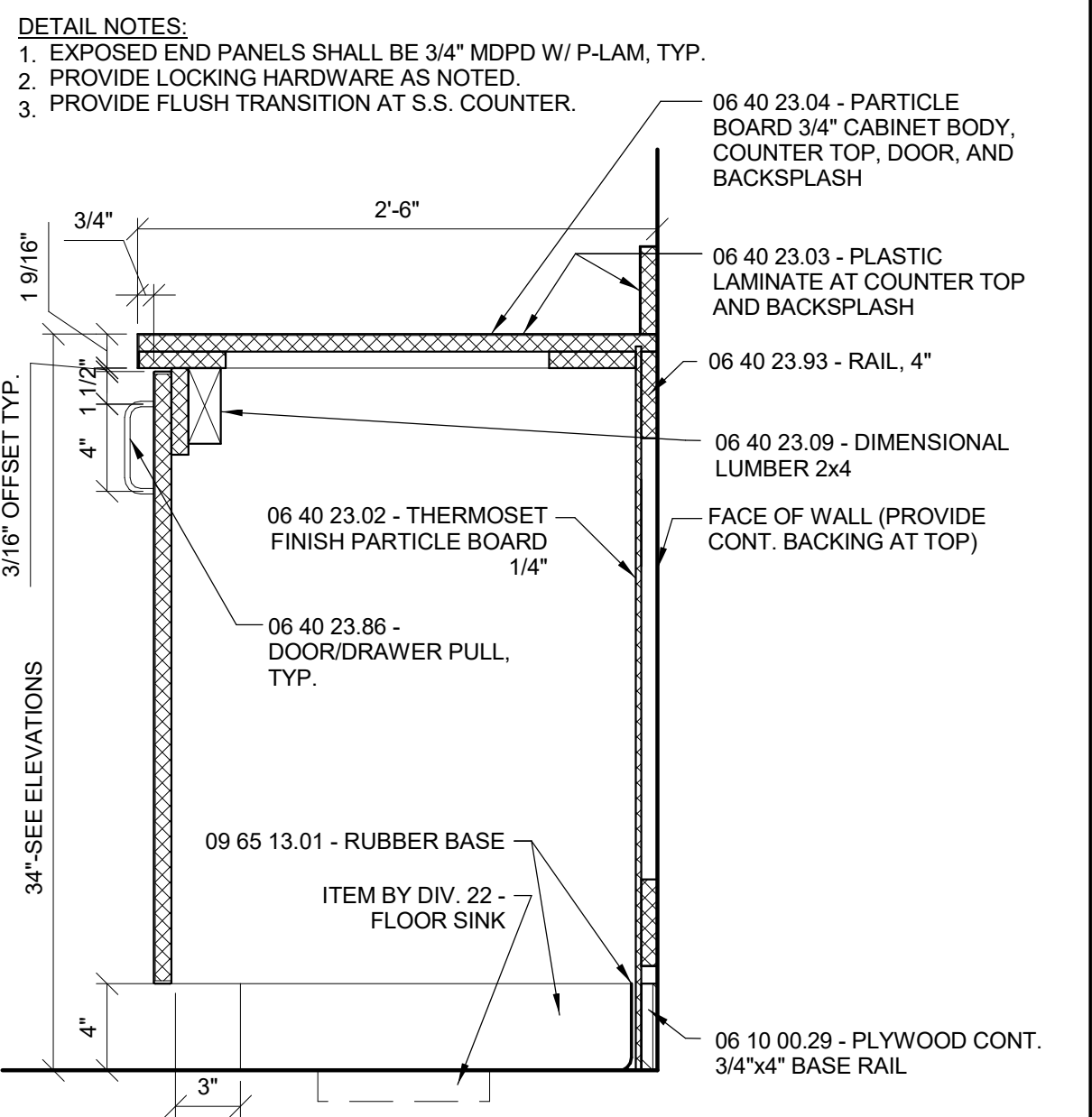
G3 CORNER GUARD
SCALE: HALF CORNER GUARD



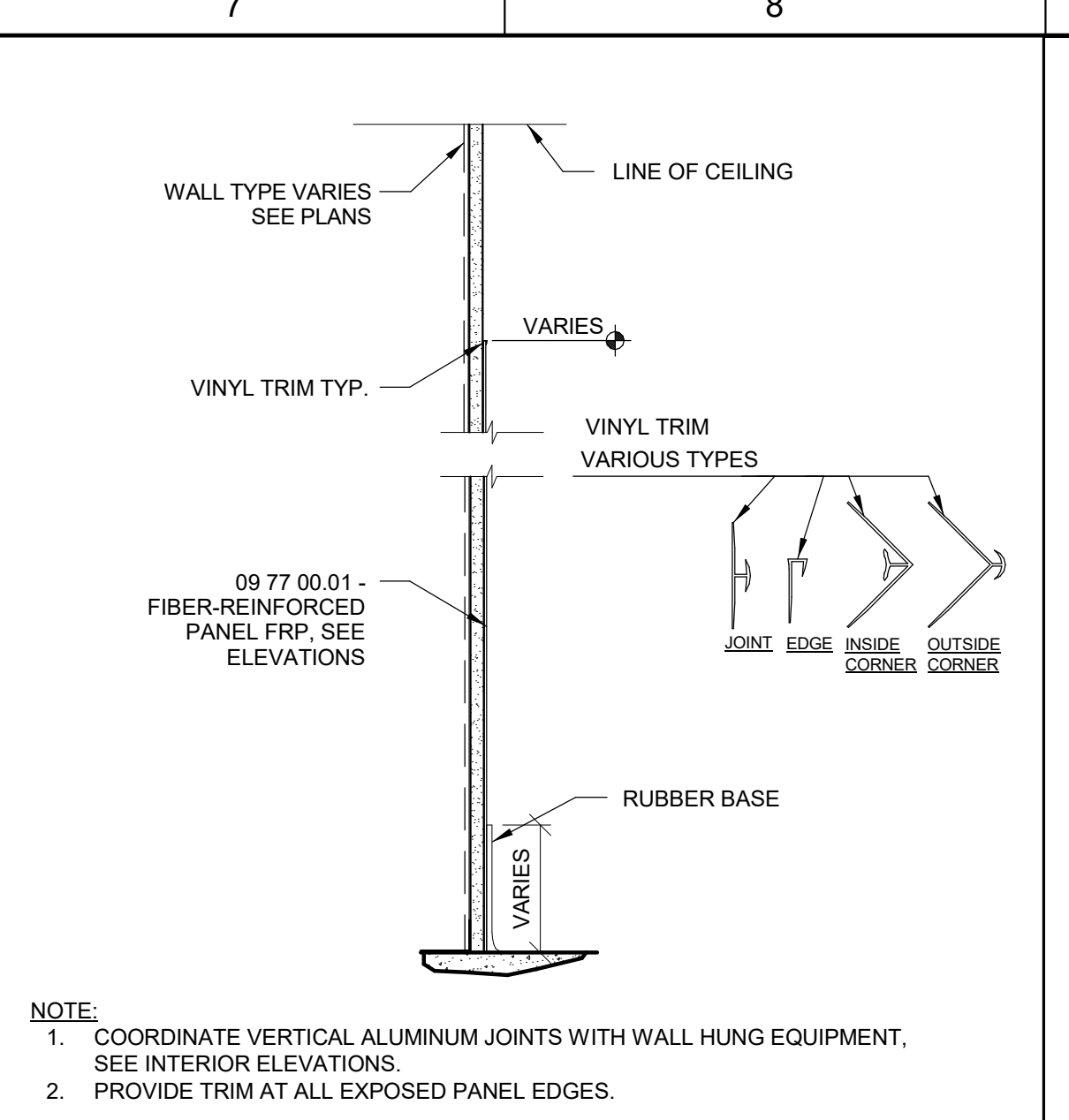
E3 BASE CABINET W/ DRAWER
SCALE: 1 1/2" = 1'-0" BASE CABINET 1



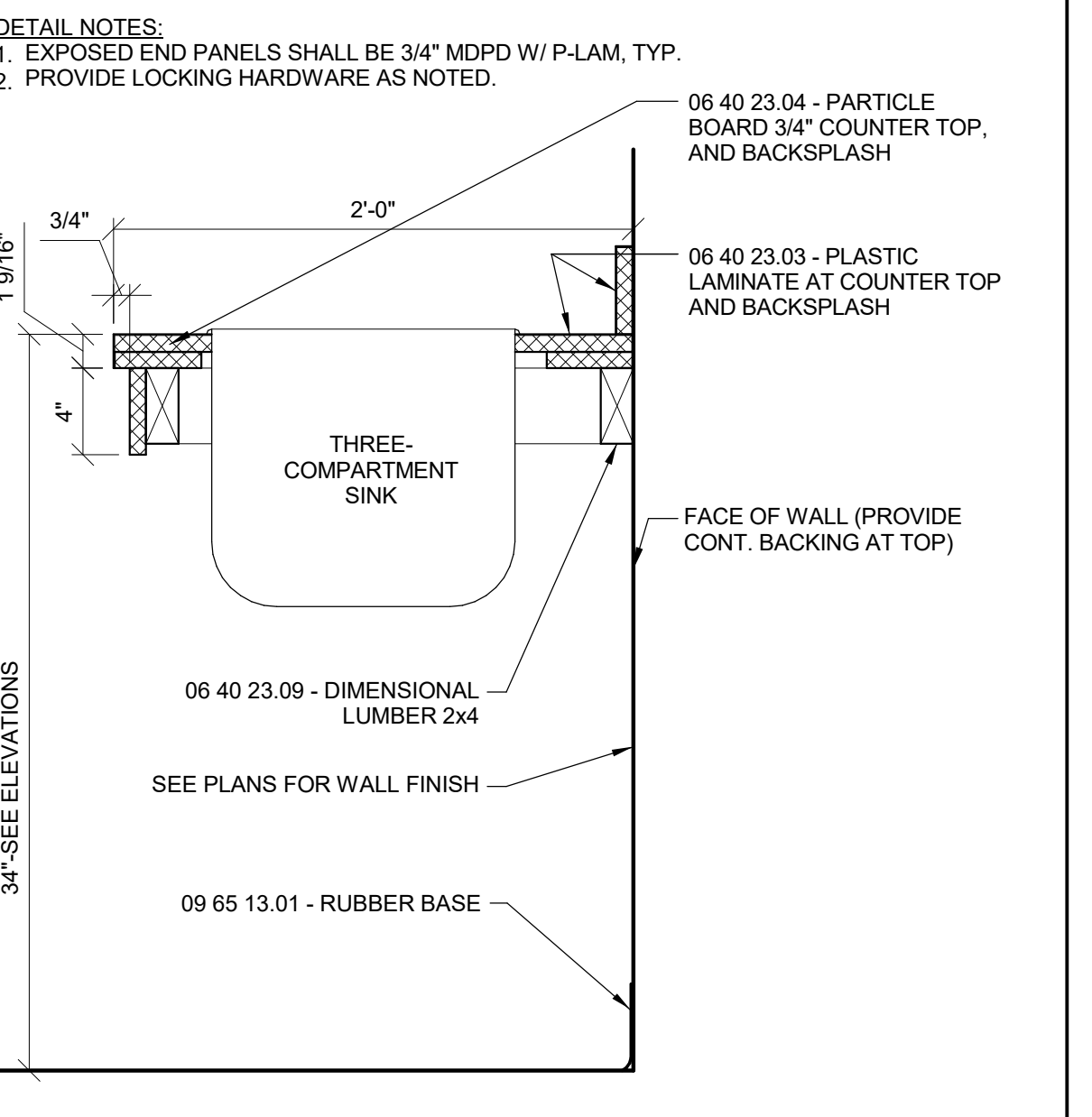
G5 RECESSED FE CABINET
SCALE: 1 1/2" = 1'-0" FE CABINET STUD



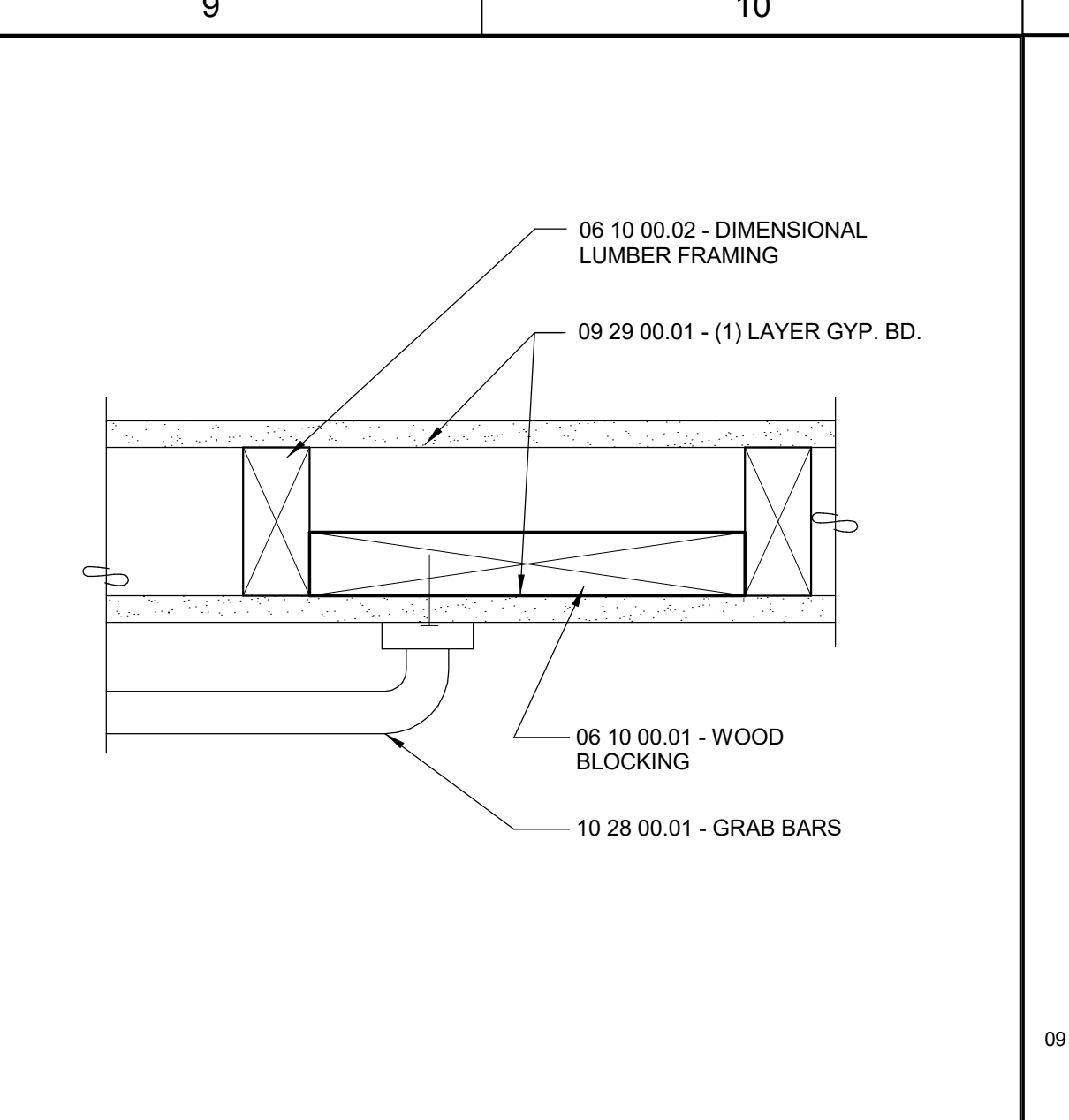
E5 BASE CABINET W/ FLOOR SINK
SCALE: 1 1/2" = 1'-0" BASE CABINET 2



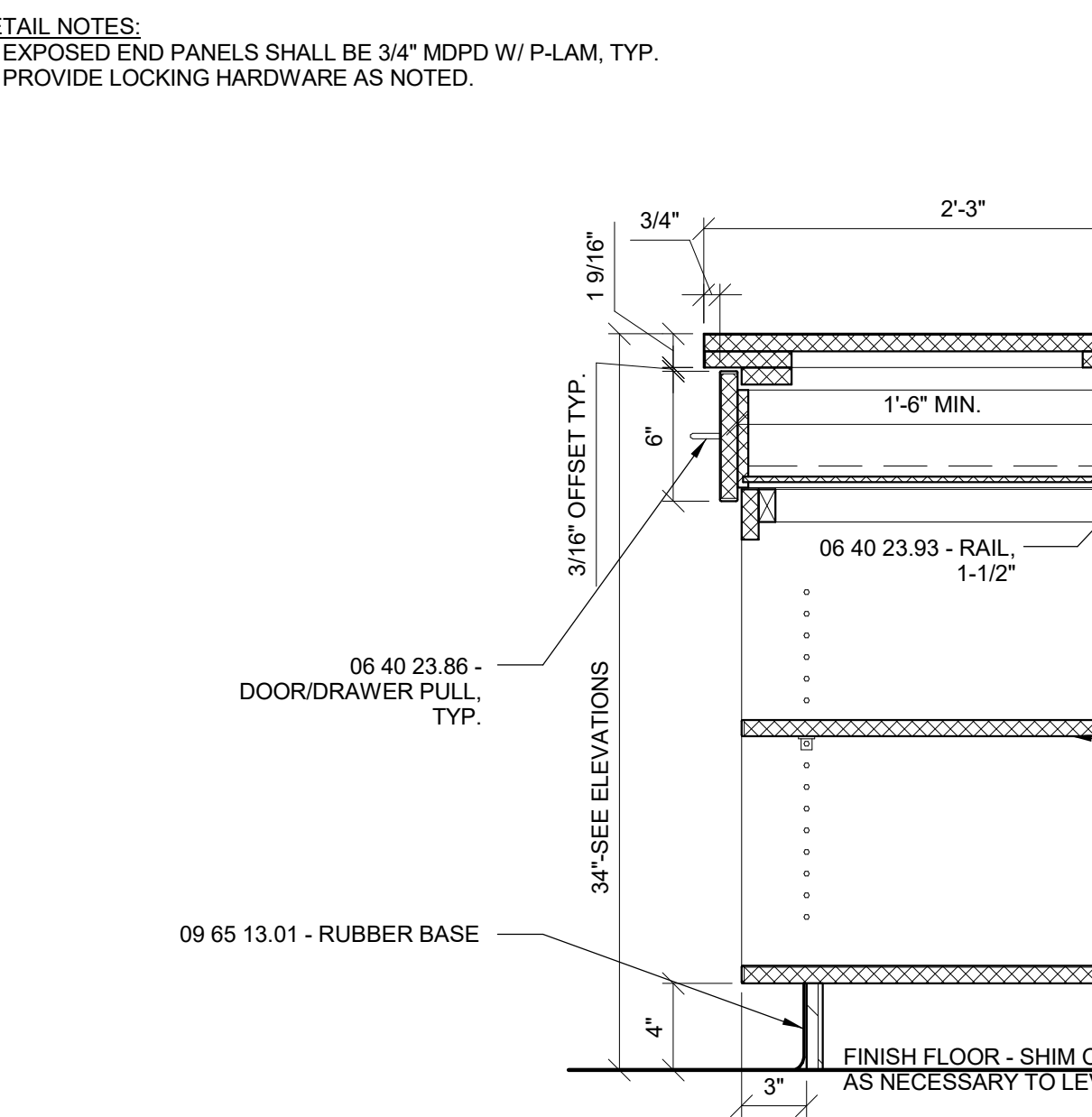
G7 FRP WALL FINISH
SCALE: 1-1/2" = 1'-0" FRP WALL



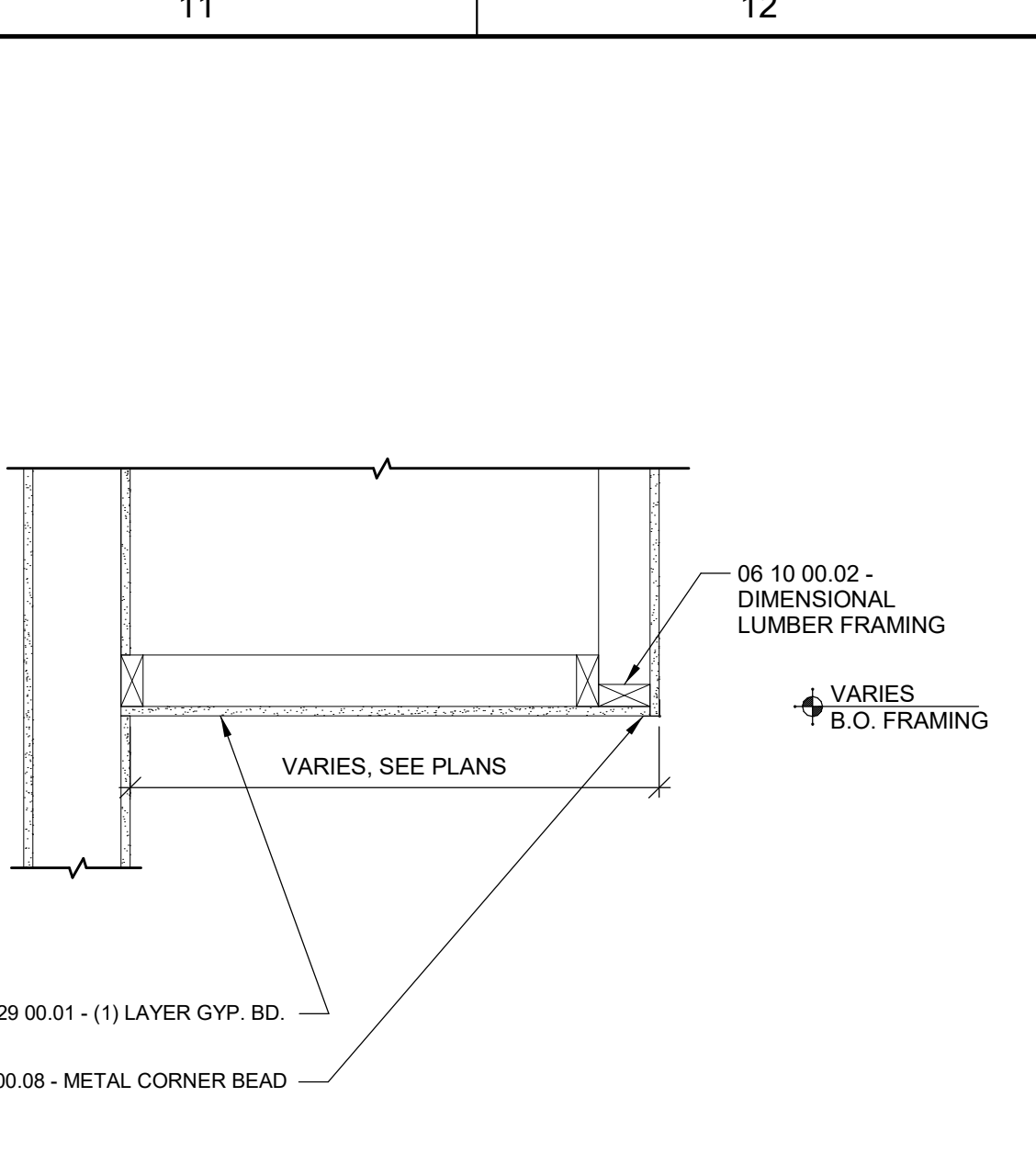
E7 COUNTER TOP AT SINK
SCALE: 1 1/2" = 1'-0" BASE CABINET 3



G9 BLOCKING/BACKING
SCALE: 3" = 1'-0" BLOCKING



E9 BASE CABINET AT ISLAND
SCALE: 1 1/2" = 1'-0" BASE CABINET 4



G11 CEILING DETAIL
SCALE: 1" = 1'-0" SOFFIT 01

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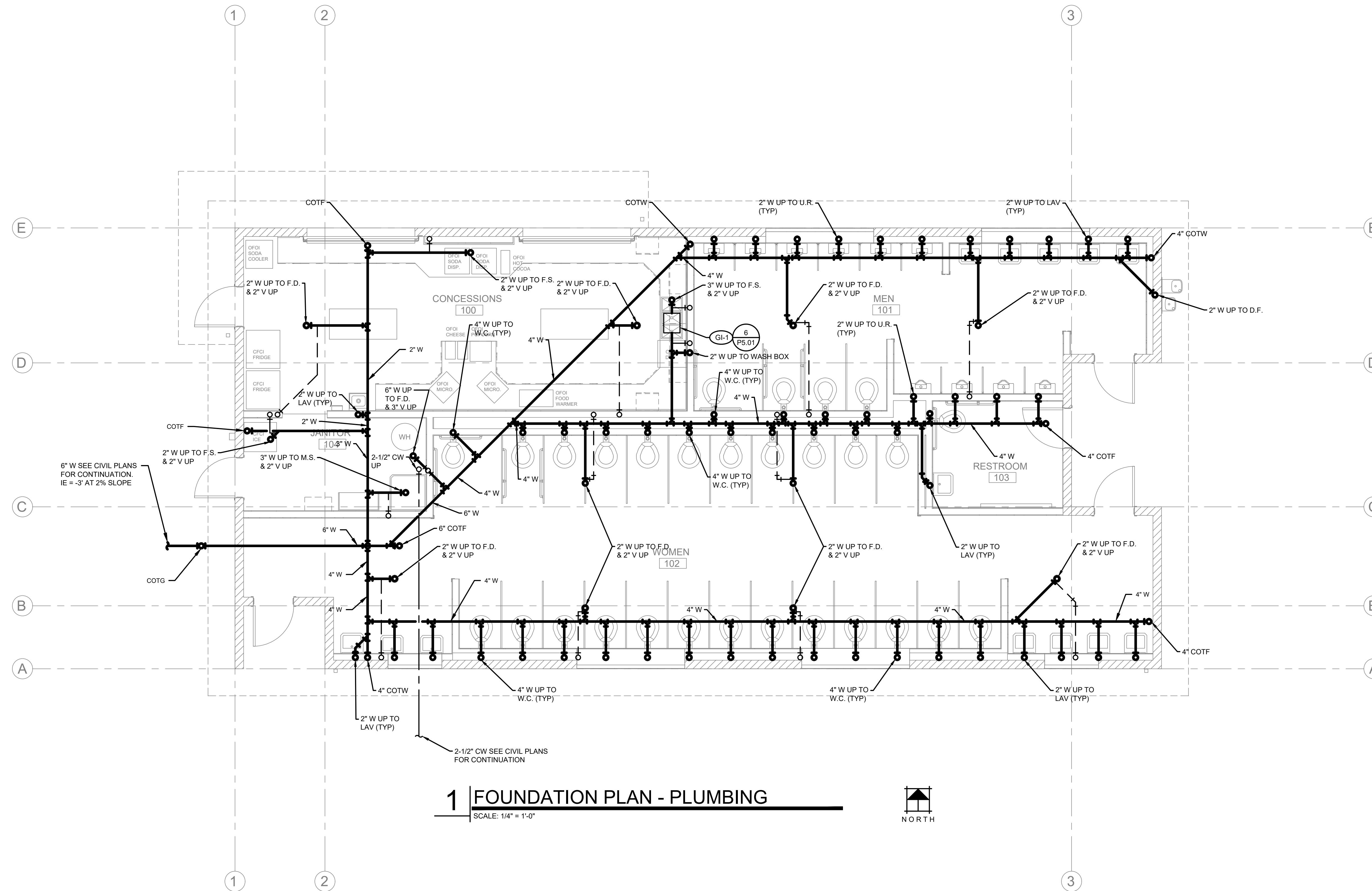
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450 HANFORD STREET
RICHLAND, WASHINGTON 99354

DATE	11/17/2020
SHEET NAME	INTERIOR DETAILS
SHEET	A8.21



1 FOUNDATION PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- SLOPE ALL SEWERS @ 1/4" PER FOOT UNLESS APPROVED BY LOCAL JURISDICTION. LINES 4" AND LARGER MAY BE SLOPED AT 1/8" PER FOOT UPON APPROVAL OF LOCAL JURISDICTION AND COMPLYING WITH REDUCED FIXTURE UNIT CAPACITY PER THE UPC.
- FOR THE PURPOSES OF CLEARNESS AND LEGIBILITY, DRAWINGS ARE DIAGRAMMATIC AND FOR DESIGN INTENT ONLY. CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
- ALL WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE CURRENT STATE AND LOCAL PLUMBING CODES AND ORDINANCES.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- COORDINATE EXACT LOCATION OF PIPING WITH OTHER TRADES.
- ALL SOIL PIPING SHALL BE SCH 40 ABS OR PVC WITH SOLVENT FITTINGS OR DWV CAST IRON WITH NO HUB FITTINGS.
- ALL VENT PIPING SHALL BE ABOVE FLOOD RIM LEVEL OF HIGHEST FIXTURE BEFORE CONNECTION TO COMMON VENTS.
- HORIZONTAL DRAINAGE PIPE SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPPER TERMINAL, AND EACH RUN OF PIPING THAT IS MORE THAN 100' IN TOTAL DEVELOPED LENGTH. CLEANOUTS SHALL BE PROVIDED IN A DRAINAGE LINE FOR EACH AGGREGATE HORIZONTAL CHANGE OF DIRECTION EXCEEDING ONE HUNDRED THIRTY FIVE DEGREES.
- THE CONTRACTOR SHALL PROVIDE FIRE CAULKING AT ALL PIPING PENETRATIONS OF FIRE RATED ASSEMBLIES OR PROVIDE FIRE RATED SEALS FOR NON-RATED PLASTIC PIPING PENETRATIONS OF RATED ASSEMBLIES AS REQUIRED. SEAL PER IBC 714.4.3, IBC 715, & IMC 602.2.2. DETAILS FOR ALL ASSEMBLY MUST BE SUBMITTED FOR APPROVAL.

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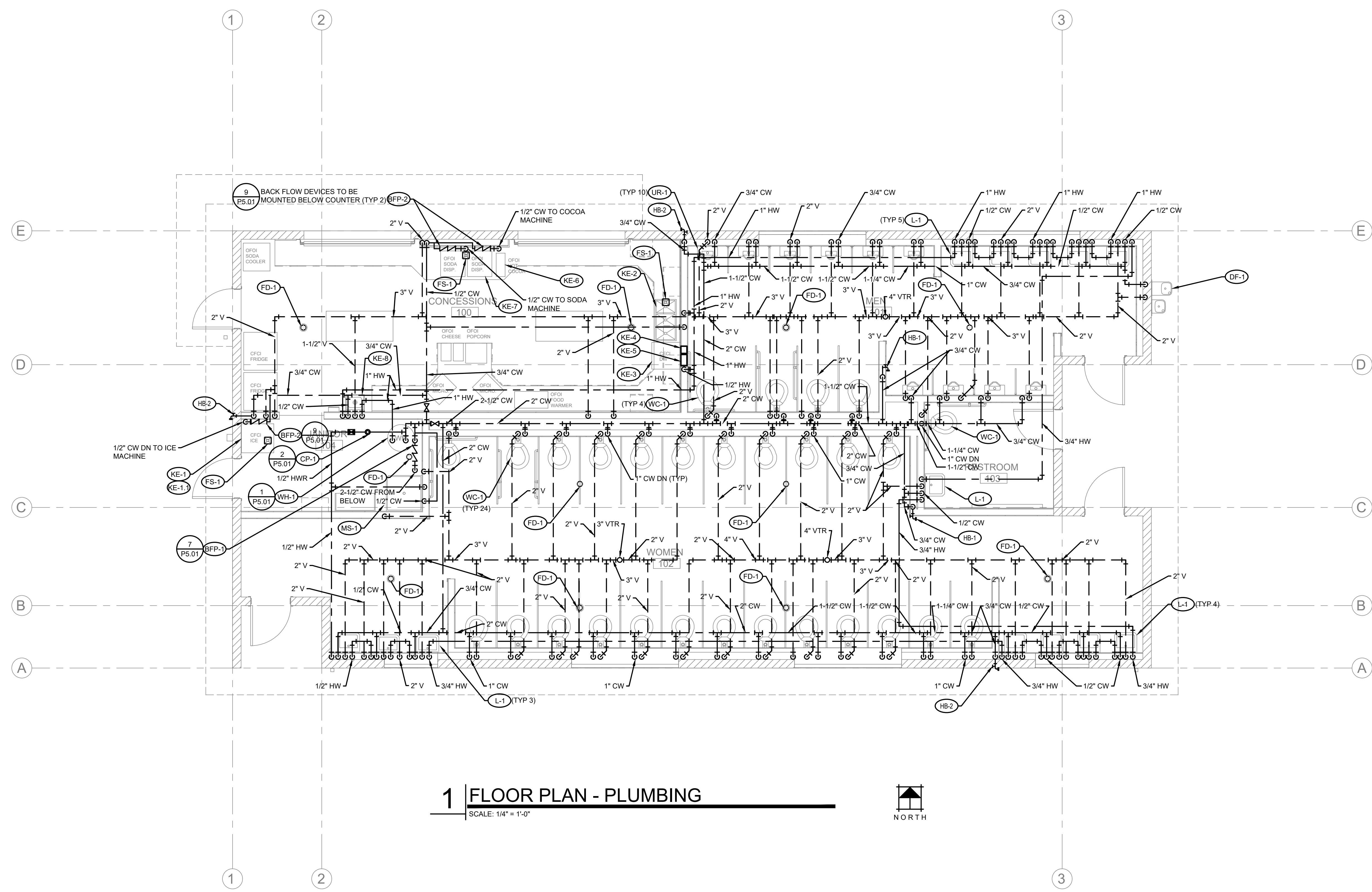
DATE
11/17/2020

SHEET NAME
FOUNDATION PLAN - PLUMBING

SHEET
P1.01

GENERAL NOTES

1. SLOPE ALL SEWERS @ 1/4" PER FOOT UNLESS APPROVED BY LOCAL JURISDICTION. LINES 4" AND LARGER MAY BE SLOPED AT 1/8" PER FOOT UPON APPROVAL OF LOCAL JURISDICTION AND COMPLYING WITH REDUCED FIXTURE UNIT CAPACITY PER THE UPC.
2. FOR THE PURPOSES OF CLEARNESS AND LEGIBILITY, DRAWINGS ARE DIAGRAMMATIC AND FOR DESIGN INTENT ONLY. CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
3. ALL WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE CURRENT STATE AND LOCAL PLUMBING CODES AND ORDINANCES.
4. CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
5. COORDINATE EXACT LOCATION OF PIPING WITH OTHER TRADES.
6. ALL SOIL PIPING SHALL BE SCH 40 ABS OR PVC WITH SOLVENT FITTINGS OR DWV CAST IRON WITH NO HUB FITTINGS.
7. ALL VENT PIPING SHALL BE ABOVE FLOOD RIM LEVEL OF HIGHEST FIXTURE BEFORE CONNECTION TO COMMON VENTS.
8. HORIZONTAL DRAINAGE PIPE SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPPER TERMINAL, AND EACH RUN OF PIPING THAT IS MORE THAN 100' IN TOTAL DEVELOPED LENGTH. CLEANOUTS SHALL BE PROVIDED IN A DRAINAGE LINE FOR EACH AGGREGATE HORIZONTAL CHANGE OF DIRECTION EXCEEDING ONE HUNDRED THIRTY FIVE DEGREES.
9. THE CONTRACTOR SHALL PROVIDE FIRE CAULKING AT ALL PIPING PENETRATIONS OF FIRE RATED ASSEMBLIES OR PROVIDE FIRE RATED SEALS FOR NON-RATED PLASTIC PIPING PENETRATIONS OF RATED ASSEMBLIES AS REQUIRED. SEAL PER IBC 714.4.3, IBC 715, & IMC 602.2.2. DETAILS FOR ALL ASSEMBLY MUST BE SUBMITTED FOR APPROVAL.



1 FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



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JOB NUMBER 20014
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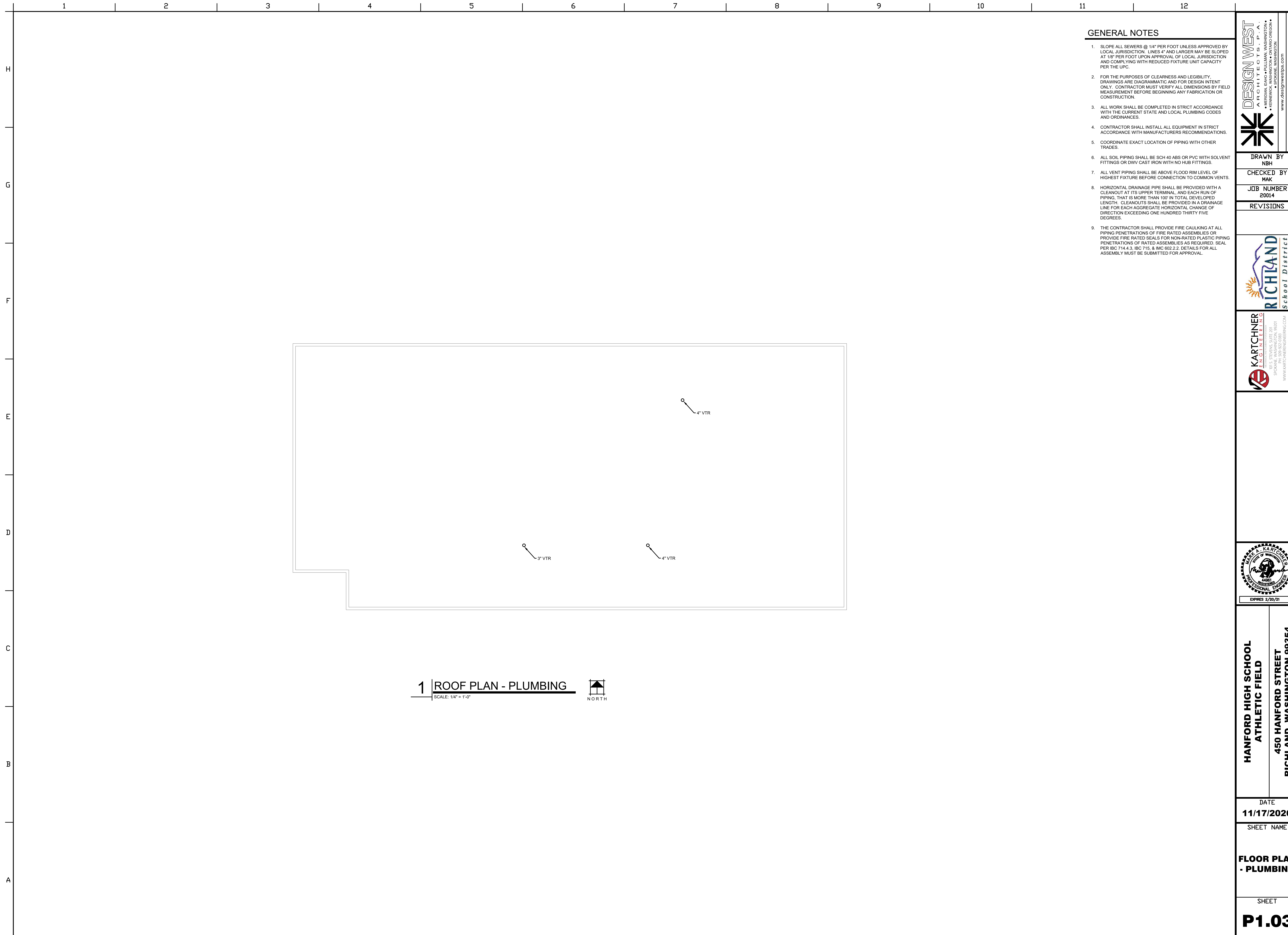
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MAX A. KARTCHNER
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 2/28/21

HANFORD HIGH SCHOOL
ATHLETIC FIELD
450 HANFORD STREET
RICHLAND, WASHINGTON 99354

DATE 11/17/2020
SHEET NAME FLOOR PLAN - PLUMBING
SHEET P1.02

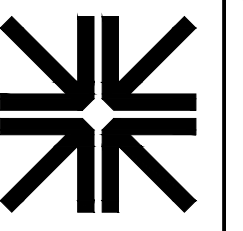


1 | **ROOF PLAN - PLUMBING**
 SCALE: 1/4" = 1'-0"  NORTH

GENERAL NOTES

1. SLOPE ALL SEWERS @ 1/4" PER FOOT UNLESS APPROVED BY LOCAL JURISDICTION. LINES 4" AND LARGER MAY BE SLOPED AT 1/8" PER FOOT UPON APPROVAL OF LOCAL JURISDICTION AND COMPLYING WITH REDUCED FIXTURE UNIT CAPACITY PER THE UPC.
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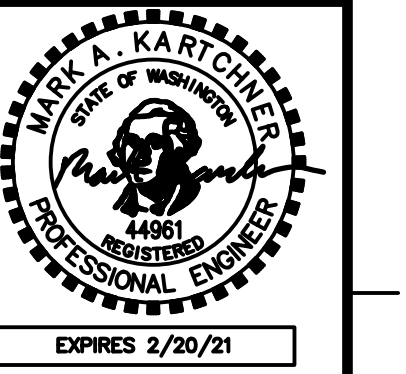


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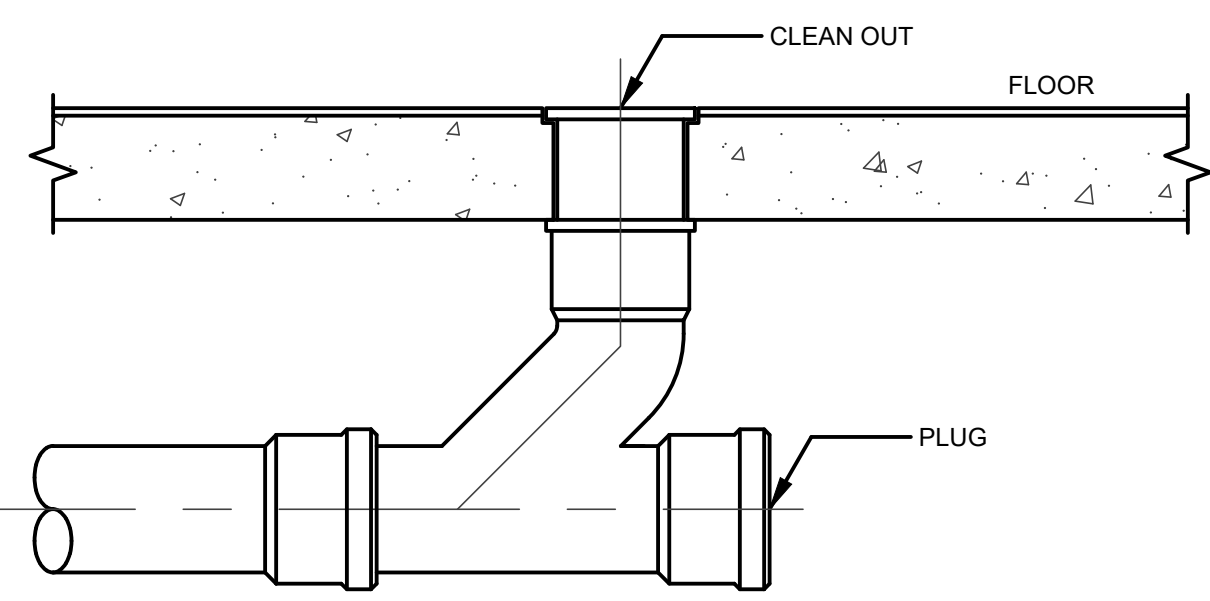


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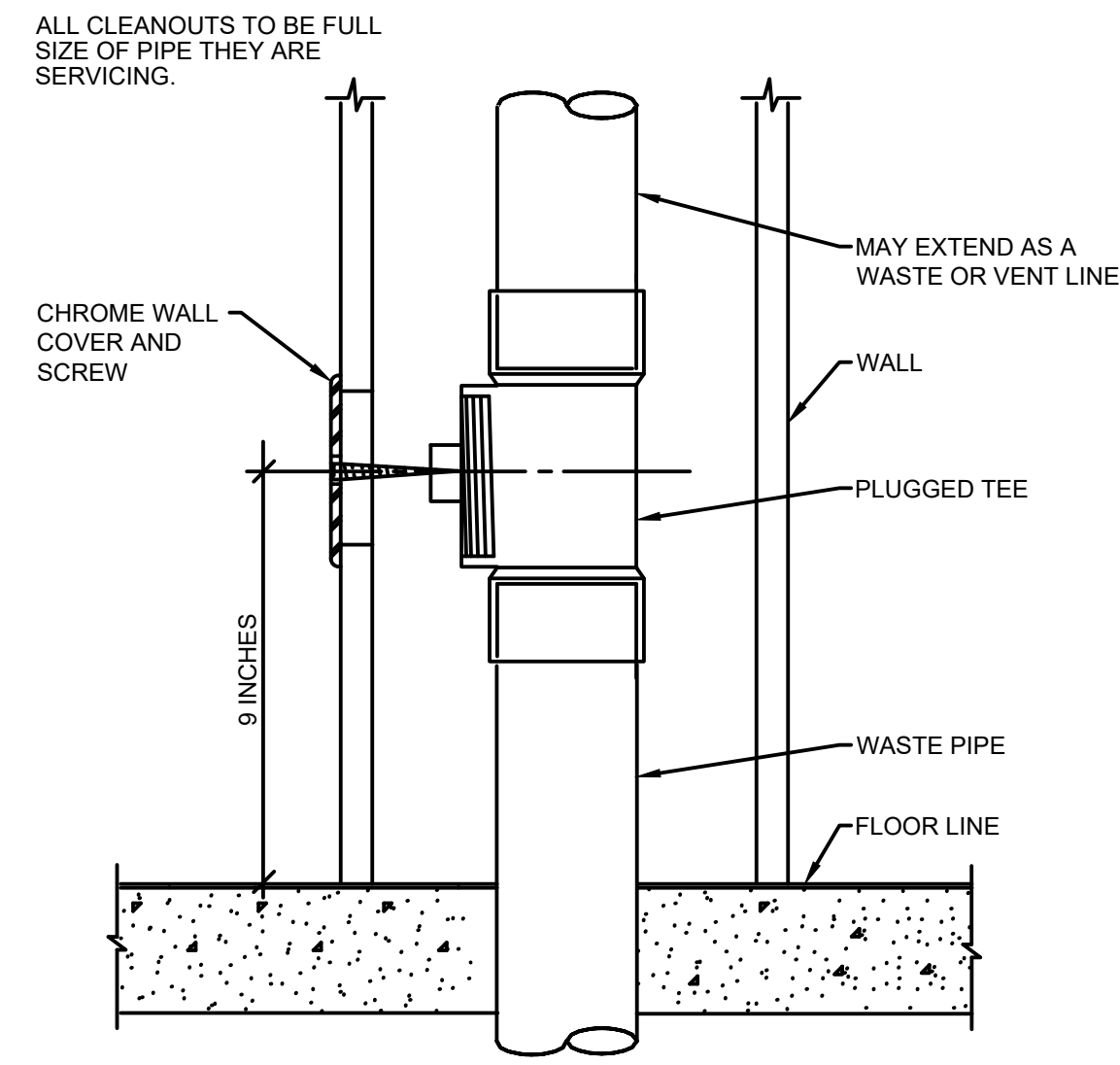


**HANFORD HIGH SCHOOL
 ATHLETIC FIELD**
**450 HANFORD STREET
 RICHLAND, WASHINGTON 99354**

DATE 11/17/2020
SHEET NAME FLOOR PLAN - PLUMBING
SHEET P1.03

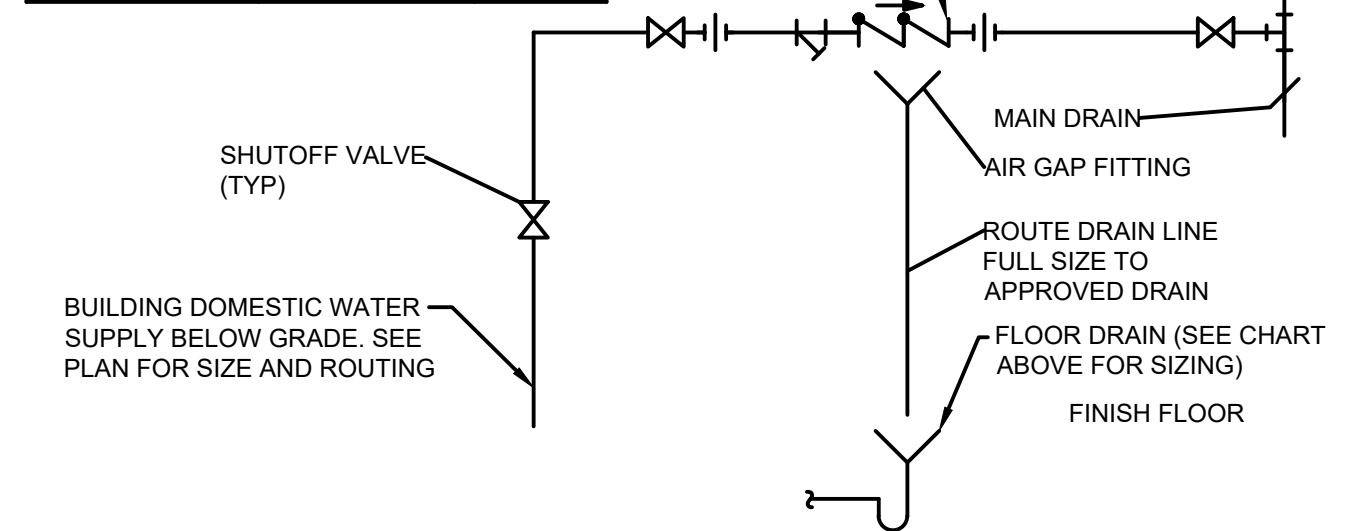


15 FLOOR CLEAN-OUT DETAIL
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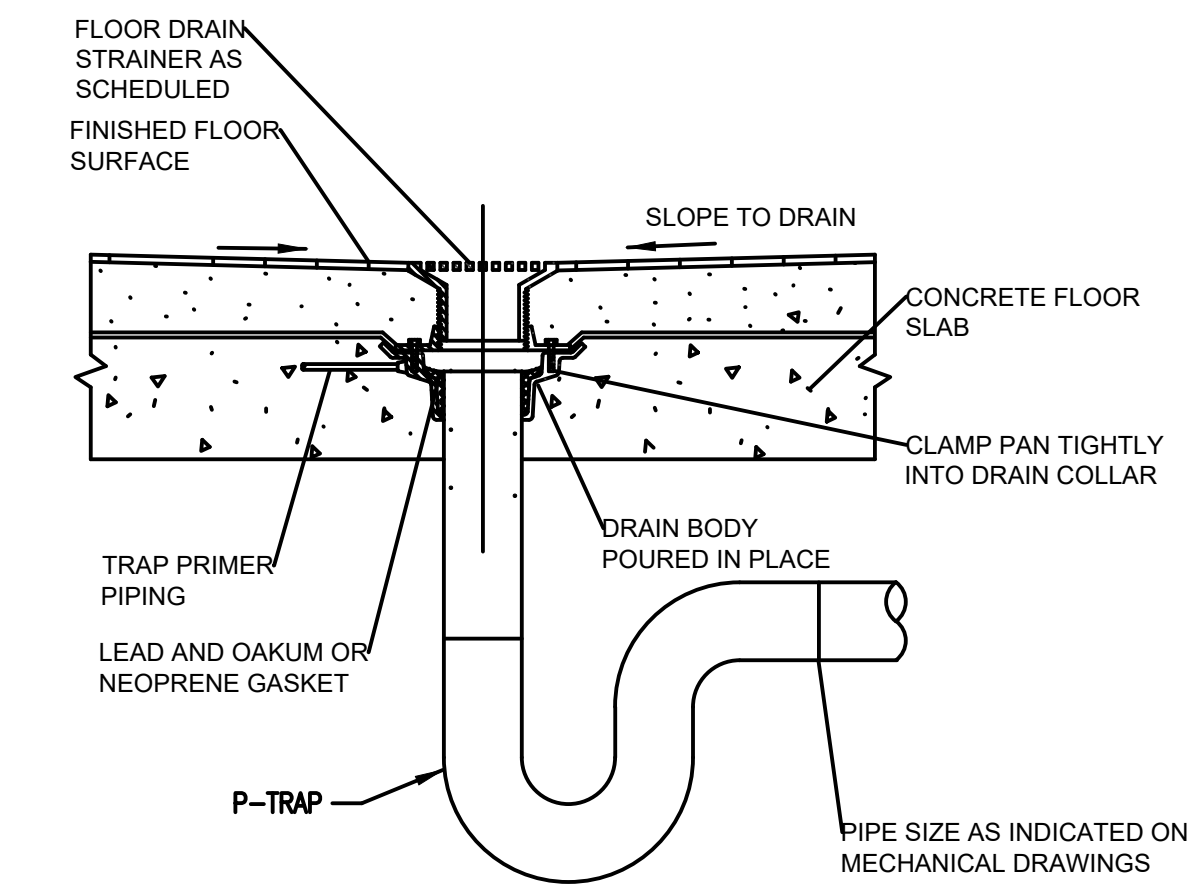


11 WALL CLEAN-OUT DETAIL
SCALE: NOT TO SCALE

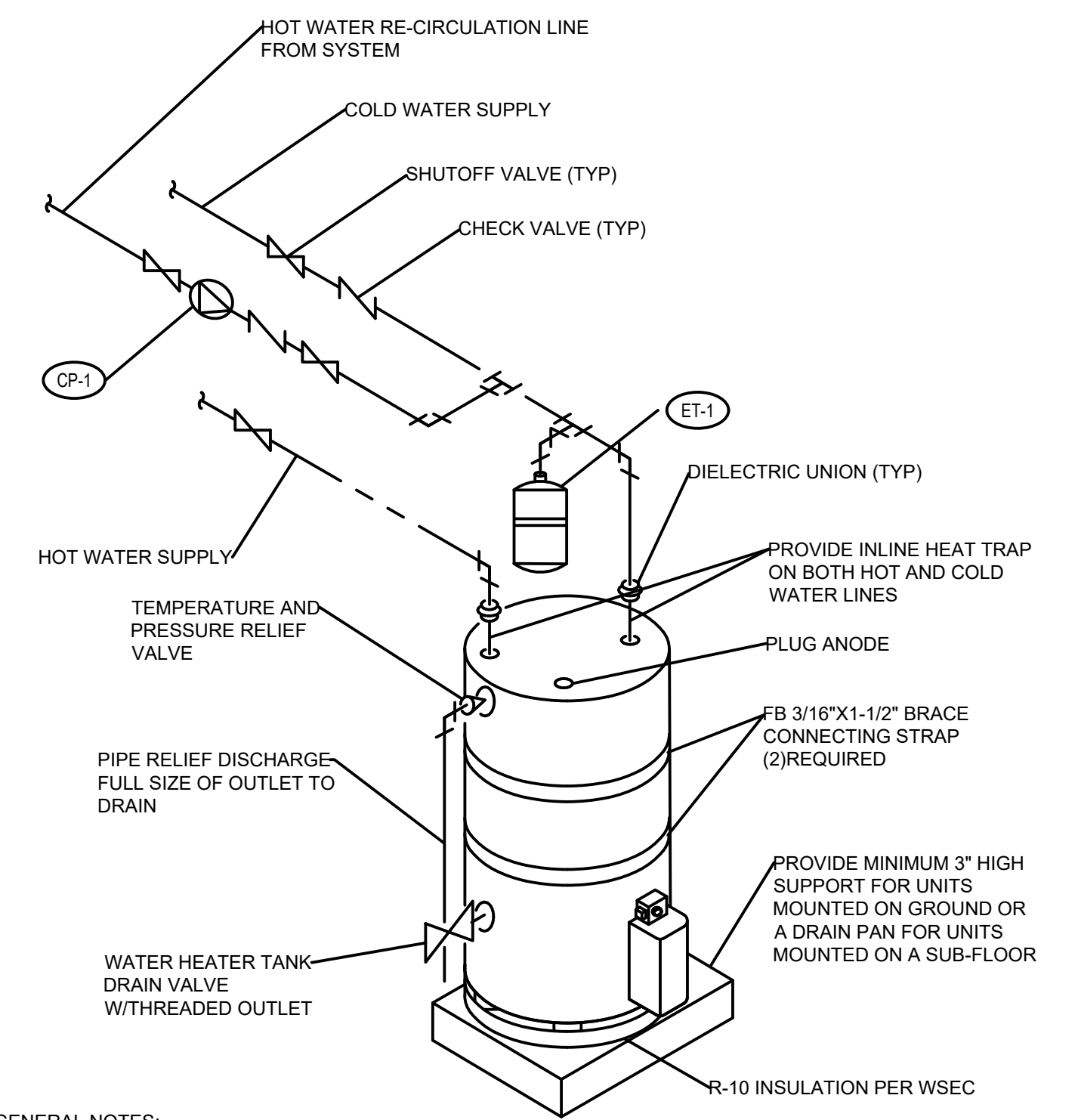
DRAIN SIZE		
BACKFLOW SIZE (INCH)	DISCHARGE RATE (GPM)	DRAIN SIZE
1/2	23	2"
3/4	35	2"
1	35	2"
1-1/4	70	3"
1-1/2	70	3"
2	130	4"
2-1/2	200	5"
3	200	5"
4	420	6"
6	420	6"



7 WATER HEADER WITH BFP DETAIL
SCALE: NOT TO SCALE

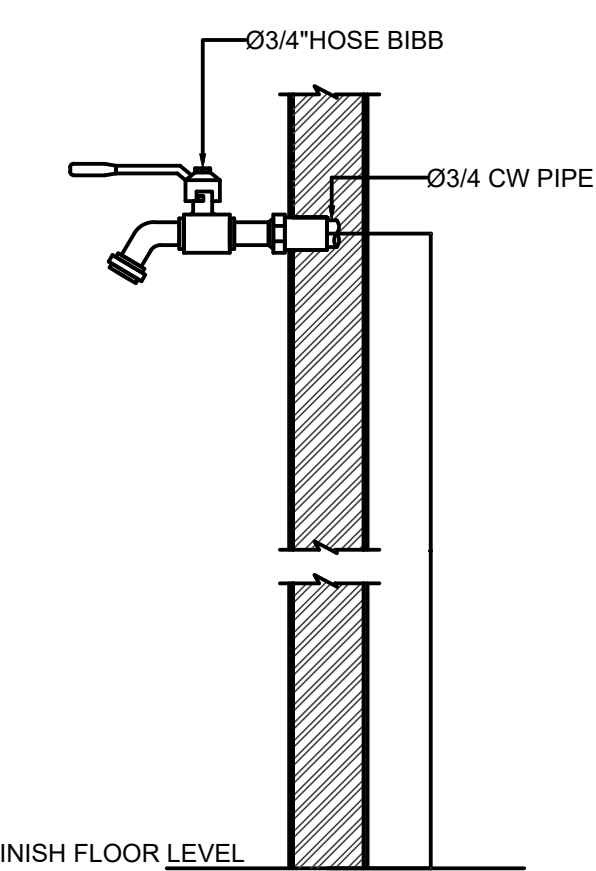


4 FLOOR DRAIN DETAIL
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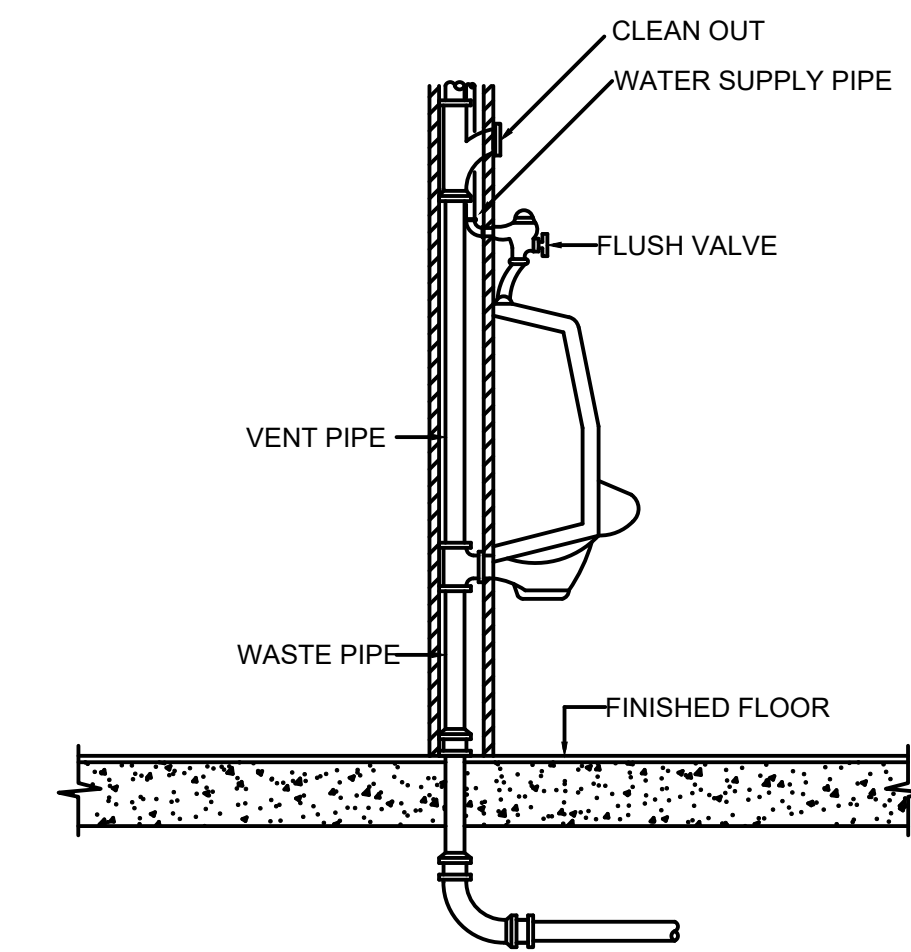


- GENERAL NOTES:
1. WATER HEATER SHALL BE SUPPLIED WITH TEMPERATURE CONTROLS WHICH WILL PERMIT THE DISCHARGE TEMPERATURE TO BE SET TO 90° F, BUT WILL BE SET AT 110° F.
 2. THE DOMESTIC HOT WATER RECIRCULATION PUMP IS TO BE CONNECTED TO A MINIMUM OF A 7-DAY TIME CLOCK THAT IS CAPABLE OF BEING SET FOR AT LEAST SEVEN (7) DIFFERENT DAY TYPES PER WEEK.
 3. THE TIME CLOCK CONTROLLING THE DOMESTIC HOT WATER RECIRCULATION PUMP MUST HAVE BACK-UP CAPABILITIES THAT WILL RETAIN PROGRAM AND TIME SETTINGS FOR AT LEAST TEN (10) HOURS UPON A LOSS OF POWER.
 4. ELECTRIC WATER HEATERS LOCATED IN UNCONDITIONED SPACES OR ON CONCRETE FLOORS SHALL BE SEPARATED FROM THE SUPPORTING SURFACE WITH R-10 INSULATION AS DESCRIBED IN SECTION C404.4 OF THE WSEC.

1 ELECTRICAL WATER HEATER DETAIL
SCALE: NOT TO SCALE



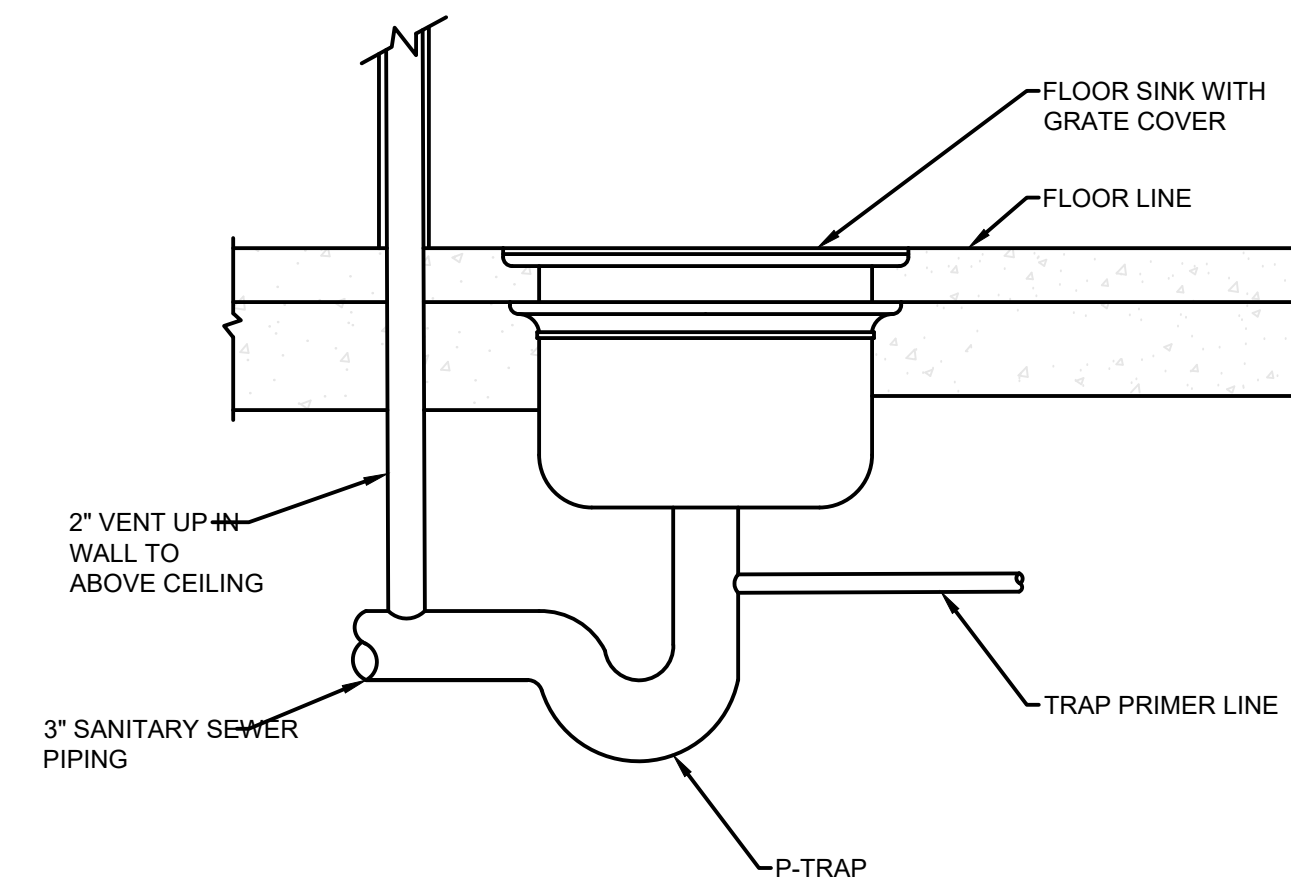
16 HOSE BIBB DETAIL
SCALE: NOT TO SCALE



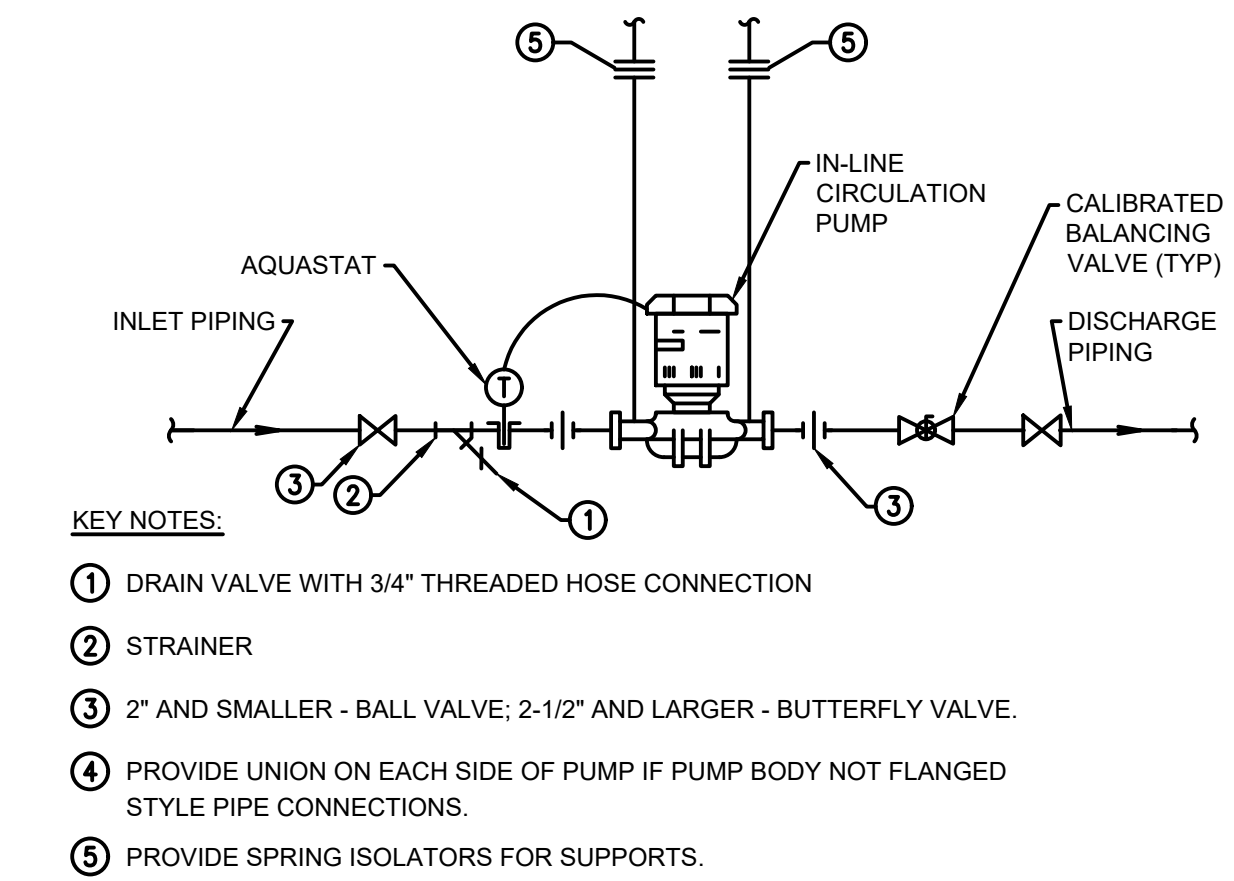
12 URINAL DETAIL
SCALE: NOT TO SCALE

WATER SIZING CALCULATIONS UPC APPENDIX "A"				
FIXTURE	QUANTITY	CW FU (PER TABLE A 103.1)		TOTAL
		PRIVATE	PUBLIC ASSEMBLY	
DISHWASHER (DOMESTIC)	1		1.5	1.5
DRINKING FOUNTAIN	1		0.5	0.5
HOSE BIBB	1		2.5	2.5
ADDITIONAL HOSE BIBB	4		1.0	4.0
LAVATORY	14		1.0	14.0
SINK KITCHEN DOMESTIC	1		1.5	1.5
SERVICE OR MOP SINK	1		3.0	3.0
URINAL (FLUSH VALVE)	10		4.0	40.0
WC (FLUSH VALVE)	29		5.0	145.0
TOTAL FIXTURE UNITS				212.0
ESTIMATED CONT. FLOW (GPM) FLUSH TANK CHARTS A 103.1(1) & (2)				65.0
ESTIMATED CONT. FLOW (GPM) FLUSH VALVE CHARTS A 103.1(1) & (2)				90.0
PRESSURE LOSS ALLOWANCE CALCULATION				
BUILDING HEIGHT (FT)	12.0	PRESSURE AT MAIN (PSI)		60
LONGEST PIPE LENGTH (FT)	85.0			
PRESSURE LOSS AT METER (CHART A 102.2)		5		
PRESSURE LOSS THROUGH BACK FLOW PREVENTER		10		
ELEVATION LOSS (HEIGHT(FT) * 1(PSI)/2.33(FT))		5.15		
MINIMUM PRESSURE AT LAST FIXTURE (PSI)		15		
PRESSURE LOSS (PSI)		35.15		
AVAILABLE PRESSURE (PSI)		24.85		
MAXIMUM AVAILABLE PRESSURE LOSS/100 FT		29.24		
MAXIMUM DESIGN VELOCITY FOR PIPE SIZING COLD WATER = 8 FPS HOT WATER = 5 FPS (UPC 610.1.2.1)				

8 WATER SERVICE CALCULATION
SCALE: NOT TO SCALE

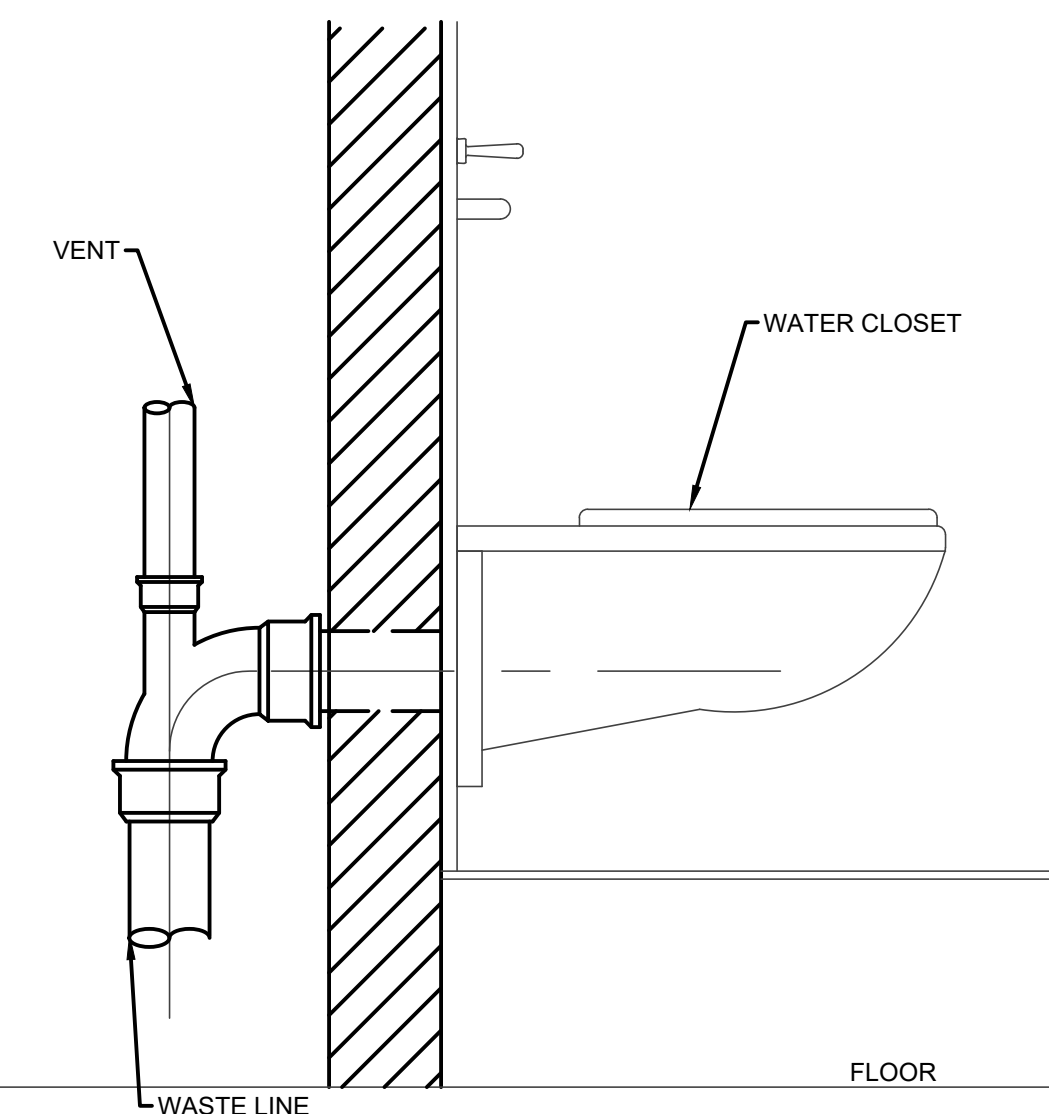


5 FLOOR SINK DETAIL
SCALE: NOT TO SCALE

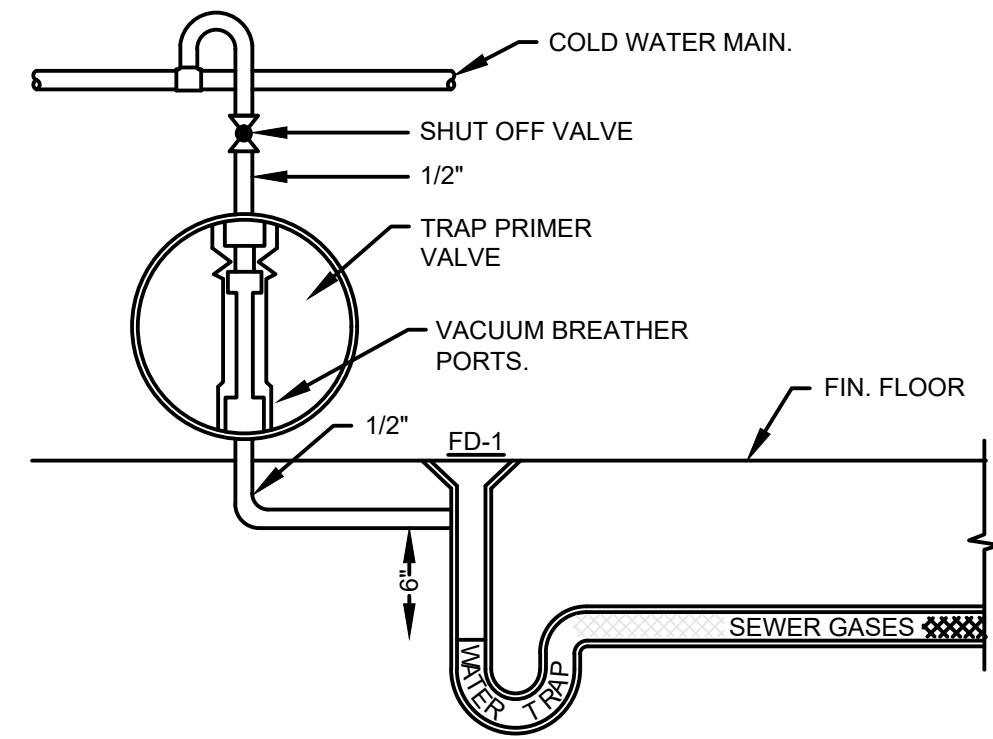


- KEY NOTES:
1. DRAIN VALVE WITH 3/4\"/>

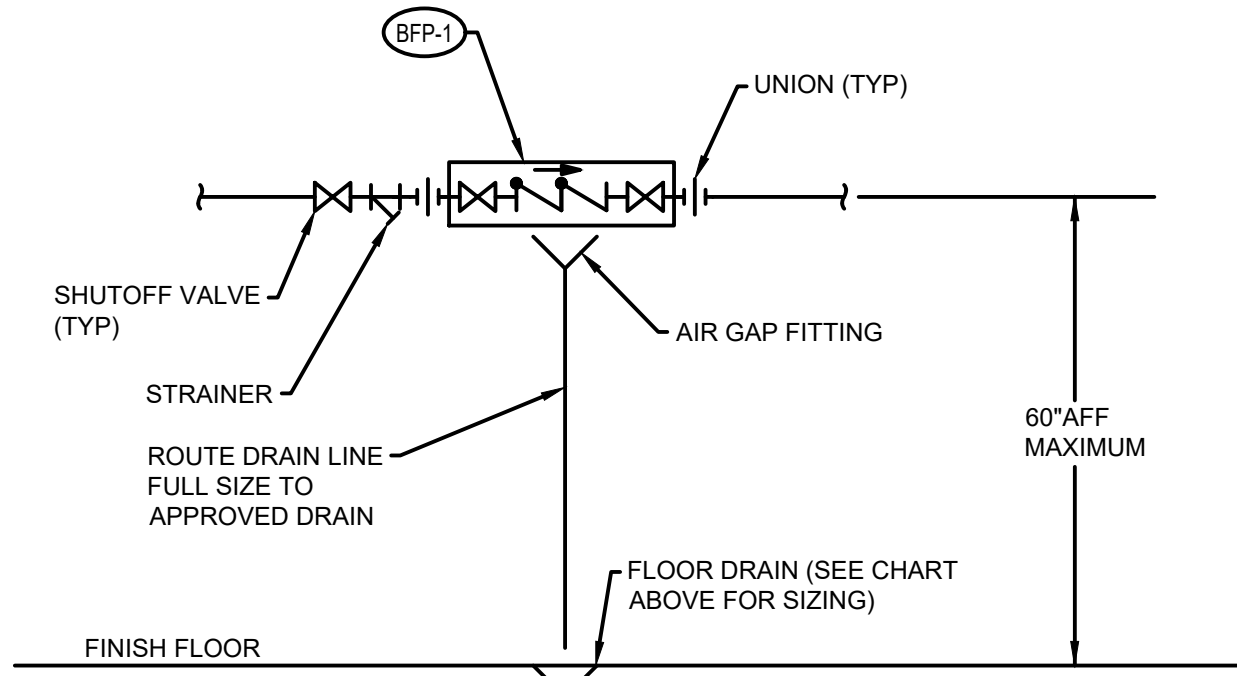
2 HOT WATER CIRCULATION PUMP DETAIL
SCALE: NOT TO SCALE



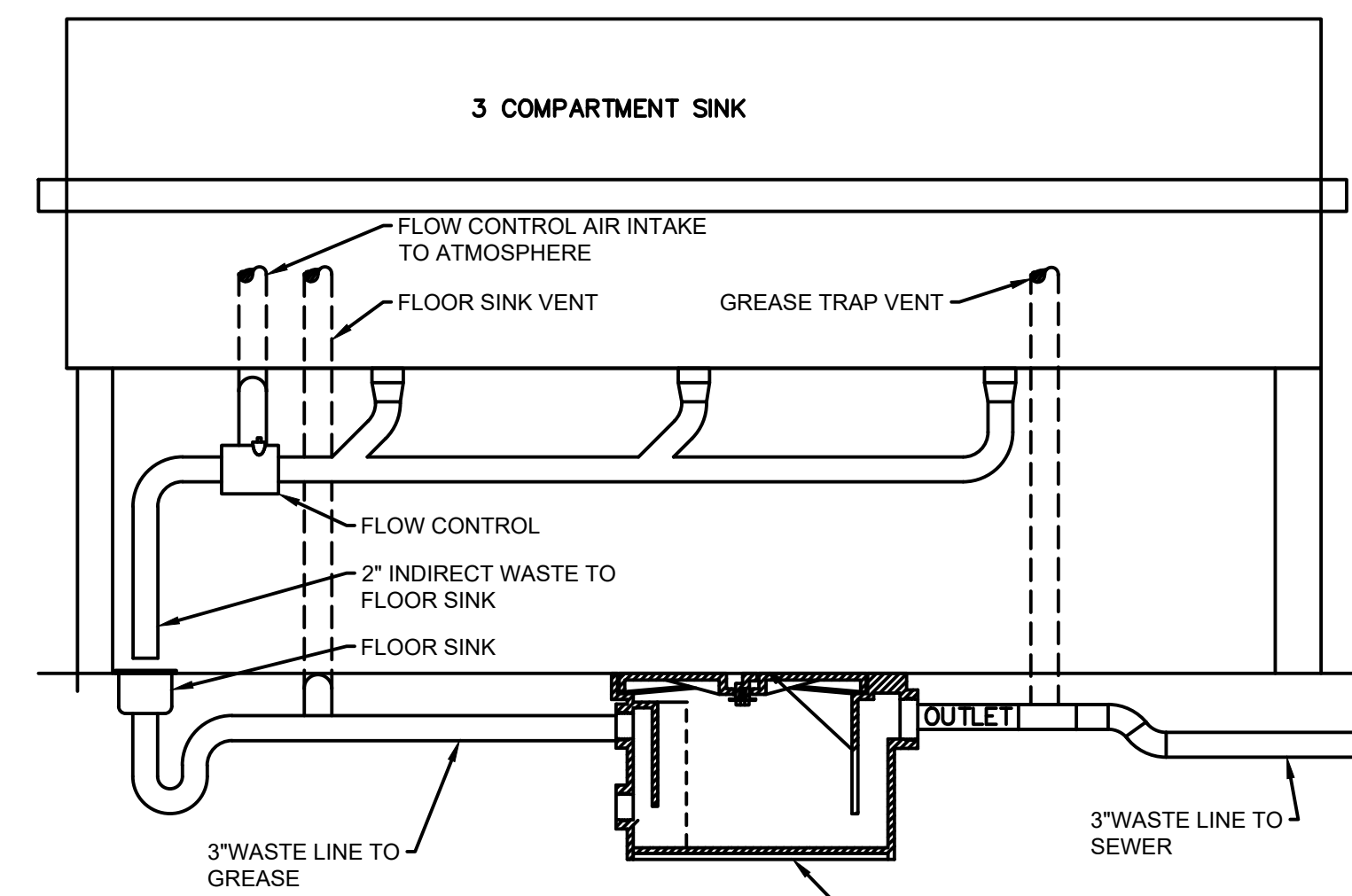
17 WALL HUNG WATER CLOSET DETAIL
SCALE: NOT TO SCALE



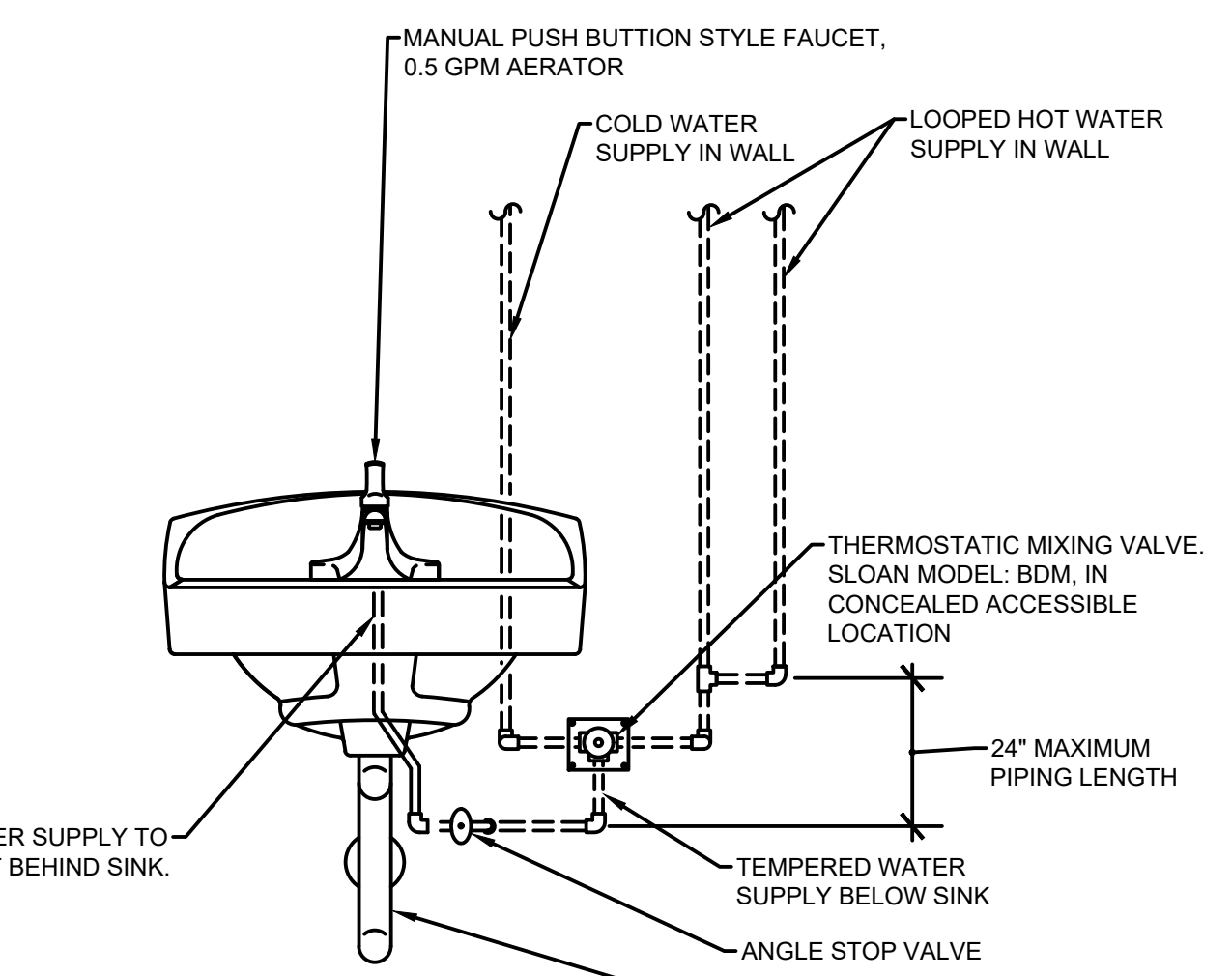
13 FLOOR DRAIN & TRAP PRIMER DETAIL
SCALE: NOT TO SCALE



9 REDUCED PRESSURE BACK FLOW PREVENTER DETAIL
SCALE: NOT TO SCALE



6 GREASE INTERCEPTOR (BELOW GRADE) DETAIL
SCALE: NOT TO SCALE



3 LAV HOT WATER LOOP PIPING FOR MANUAL FAUCET DETAIL
SCALE: NOT TO SCALE

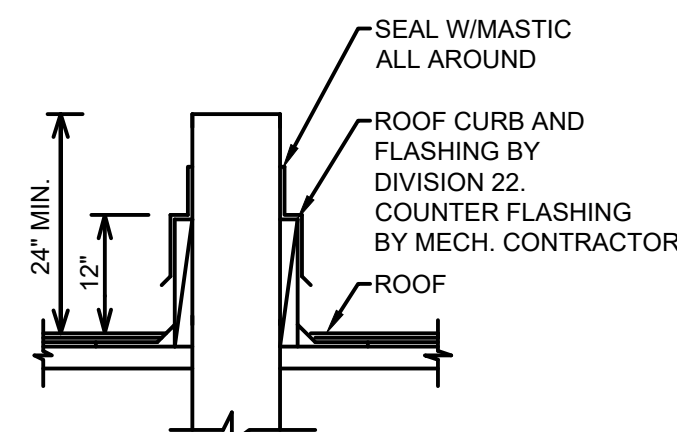
IF HORIZONTAL BRANCH IS LESS THAN 20' LONG, PROVIDE ONE HA AT END OF LINE

IF BRANCH IS GREATER THAN 20' LONG, PROVIDE ANOTHER HA IN MIDDLE, EACH SIZED FOR HALF THE FIXTURE UNITS

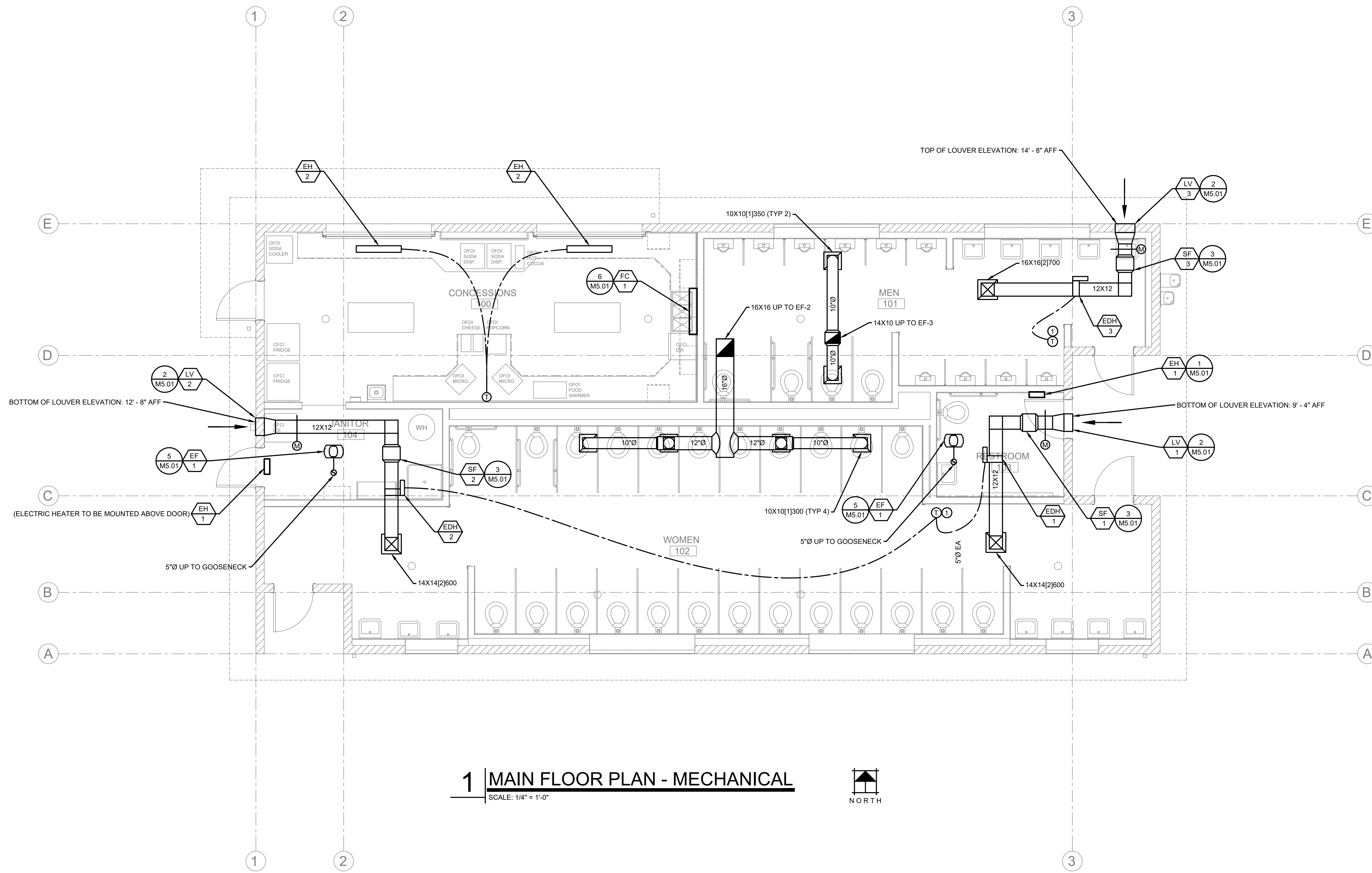
SINGLE FIXTURE			MULTIPLE FIXTURES		
PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD	FIXTURE UNIT TABULATION		
			FIXTURE	COLD	HOT
HA	1/2"	1-11	VALVE WATER CLOSET	10	--
HA	3/4"	12-32	TANK WATER CLOSET	5	--
HA	1"	33-60	URINAL	5	--
HA	1-1/4"	61-113	LAVATORY/SINK	1.5	1.5
HA	1-1/2"	114-154	JANITOR'S SINK	3	3
HA	2"	154-330	SHOWER/BATHTUB	2	2

PROVIDE WATER HAMMER ARRESTERS BY SIOLUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.28.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE. PROVIDE ACCESS PANEL FOR SERVICING OR REPLACEMENT, WHERE REQUIRED.

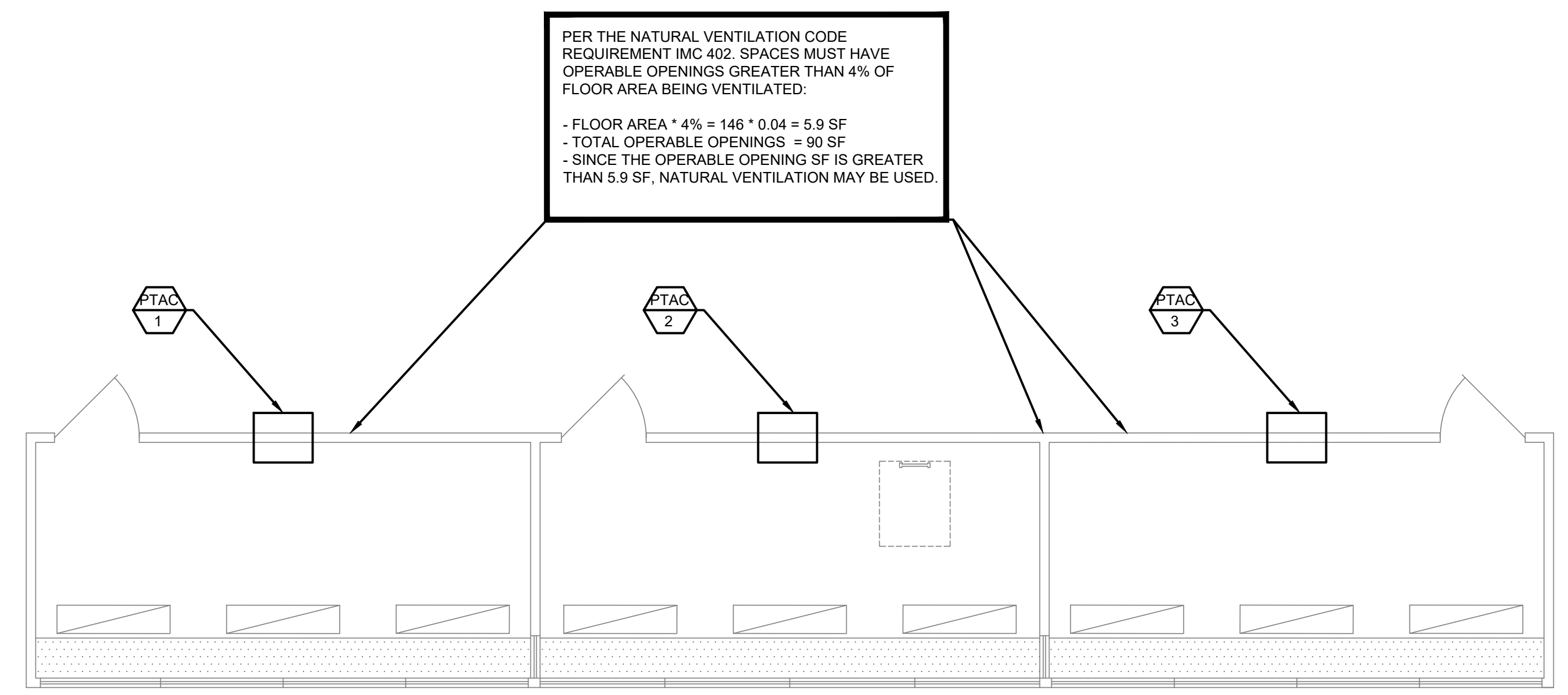
14 WATER HAMMER ARRESTOR DETAIL
SCALE: NOT TO SCALE



10 VENT THROUGH ROOF DETAIL
SCALE: NOT TO SCALE



1 MAIN FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"



1 GRAND STAND FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

GENERAL NOTES

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- ALL NEW MATERIAL, METHODS, AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE BUILDING STANDARDS AS APPROVED BY THE OWNER.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- COORDINATE EXACT LOCATION OF DUCTWORK WITH EQUIPMENT, LIGHTING, PIPING, ETC..
- BALANCE AIR SYSTEMS WITHIN 10% OF CAPACITIES LISTED.
- CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR OR OWNER PRIOR TO ANY CUTTING OF ROOF.

KEYED NOTES

- 7 DAY PROGRAMMABLE T-STAT W/ AUTO CHANGEOVER & SETBACK CAPABLE. MOUNT MAX 4" ABOVE FINISHED FLOOR. PROVIDE TAMPER PROOF COVER.

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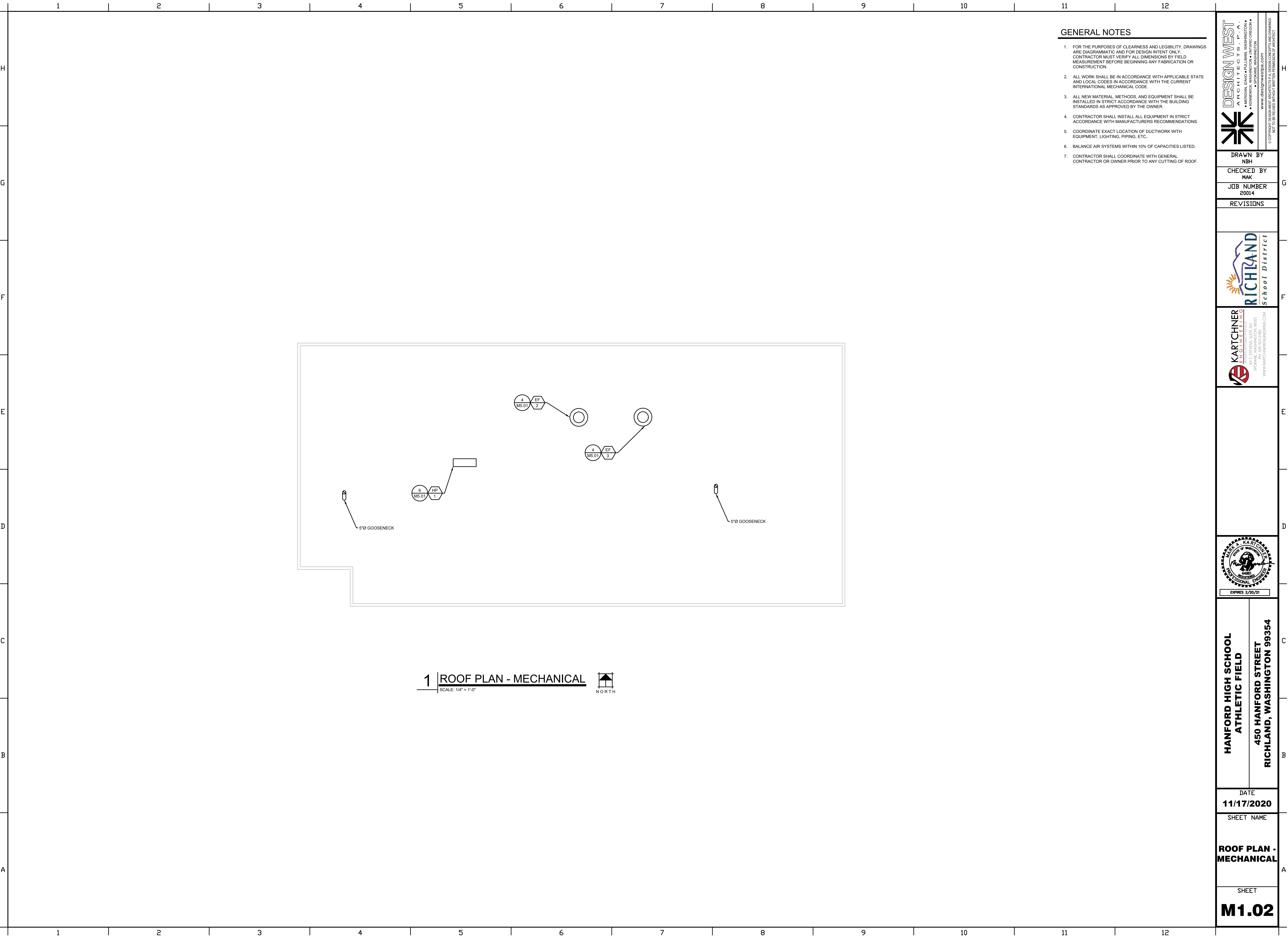
MAX A. KARTCHNER
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4861
EXPIRES 2/28/21

HANFORD HIGH SCHOOL
ATHLETIC FIELD
450 HANFORD STREET
RICHLAND, WASHINGTON 99354

DATE
11/17/2020

SHEET NAME
MAIN FLOOR PLAN - MECHANICAL

SHEET
M1.01



1 ROOF PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"



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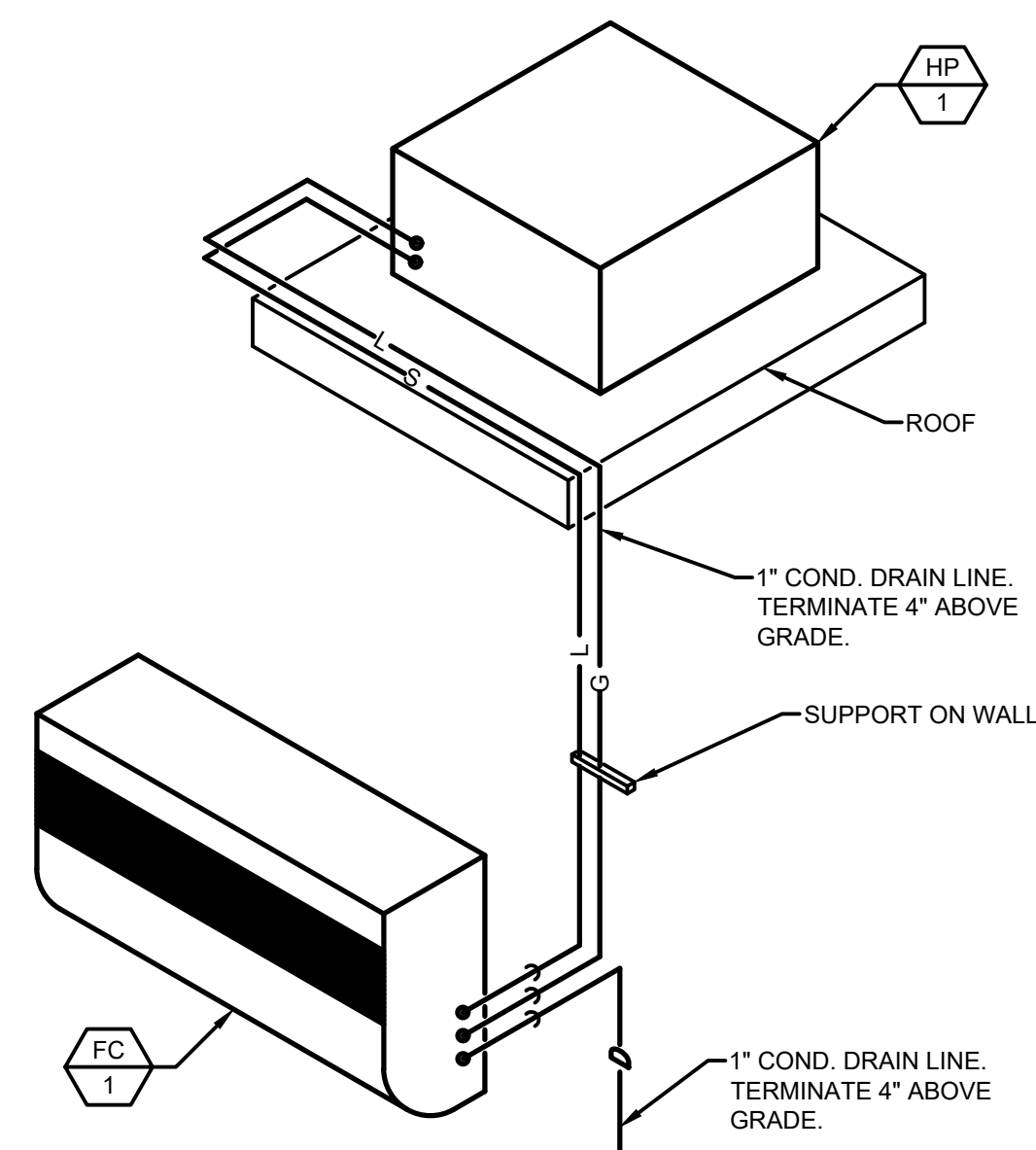
**HANFORD HIGH SCHOOL
ATHLETIC FIELD**

**450 HANFORD STREET
RICHLAND, WASHINGTON 99354**

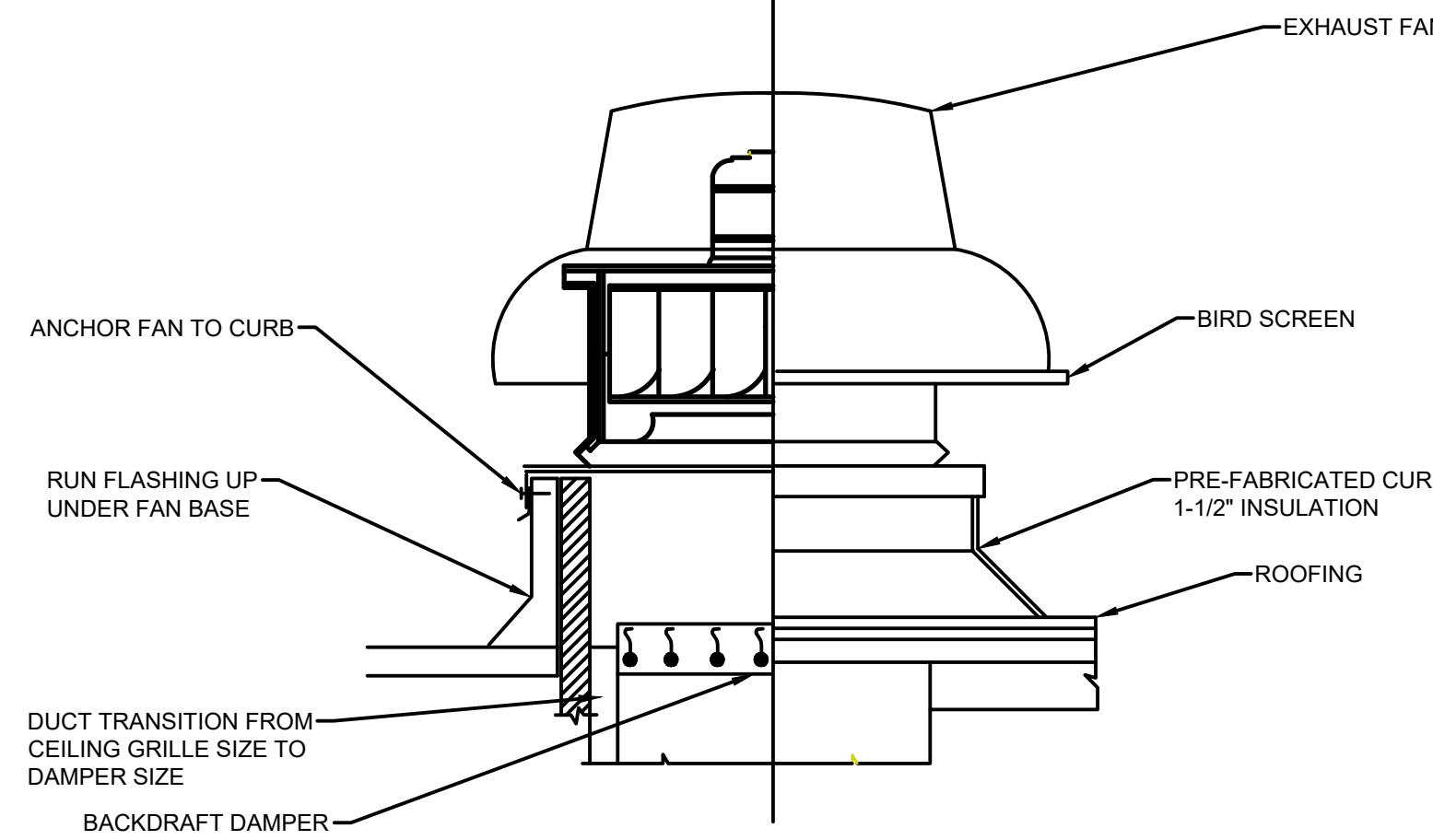
DATE
11/17/2020

SHEET NAME
ROOF PLAN - MECHANICAL

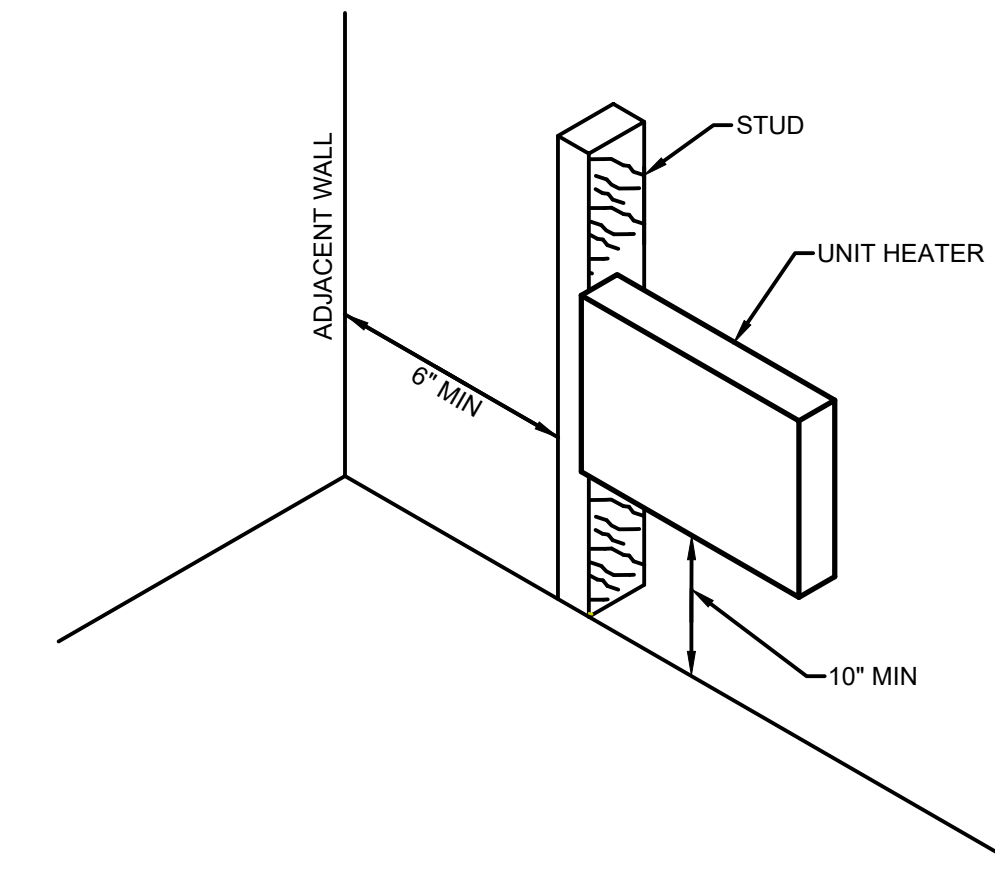
SHEET
M1.02



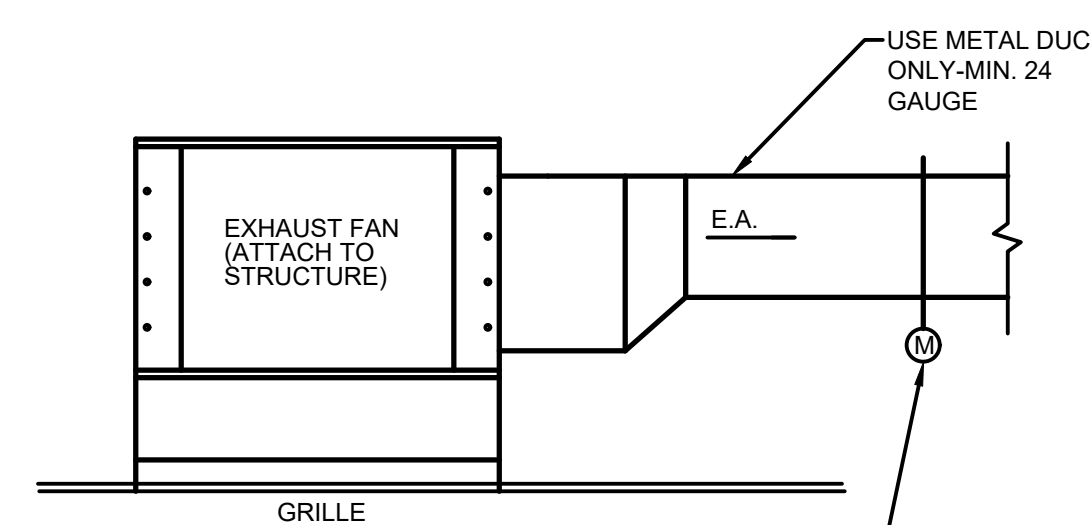
6 DUCTLESS SPLIT SYSTEM DETAIL
SCALE: NOT TO SCALE det#:



4 EXHAUST FAN DETAIL
SCALE: NOT TO SCALE det#:

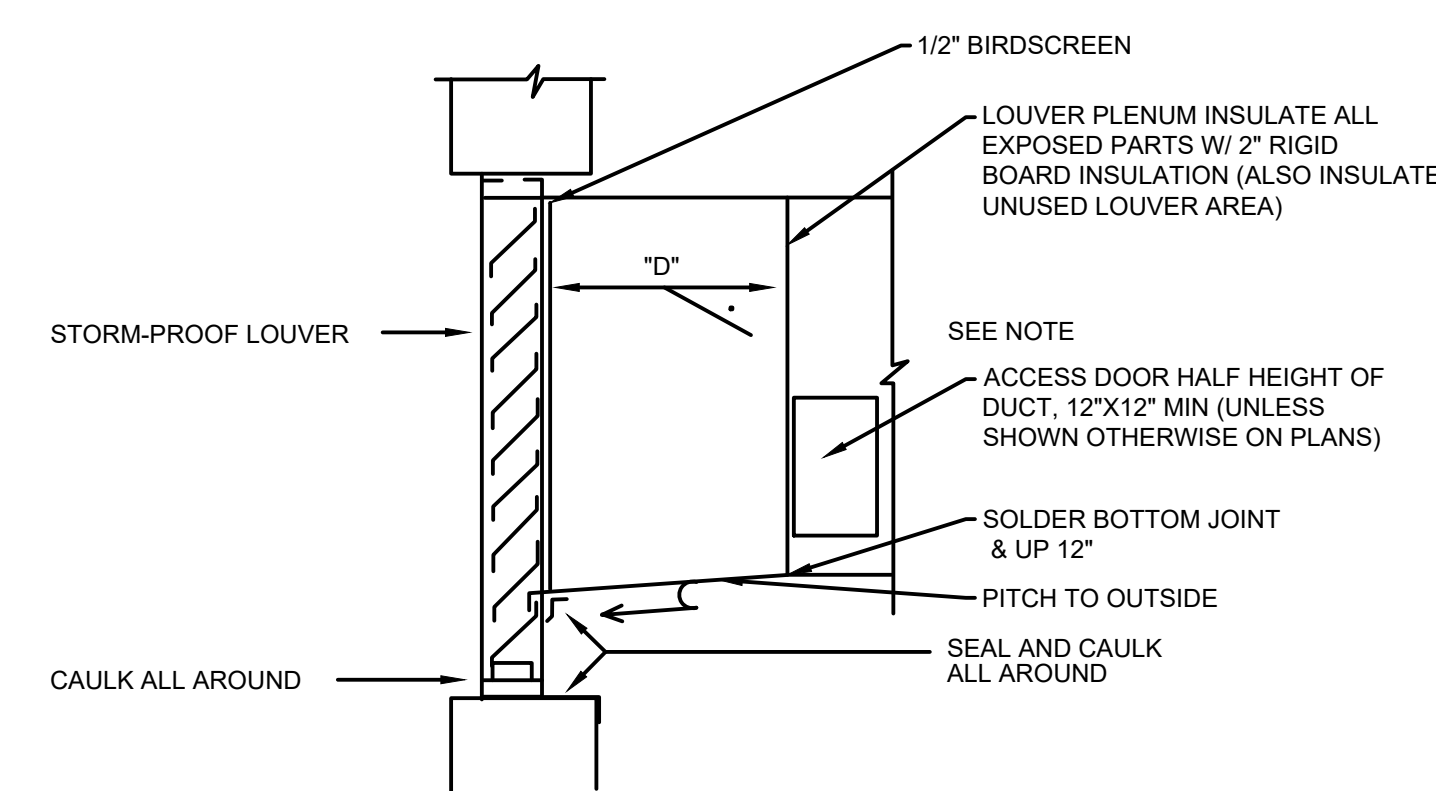


1 ELECTRIC WALL HEATER DETAIL
SCALE: NOT TO SCALE det#:



PROVIDE CLASS 1A MOTORIZED BACKDRAFT DAMPER OR GRAVITY BACKDRAFT DAMPER WITH THE MAXIMUM 4 CFM PER S.F. LEAKAGE RATE AT 1" WATER COLUMN PER AMCA 500 D.

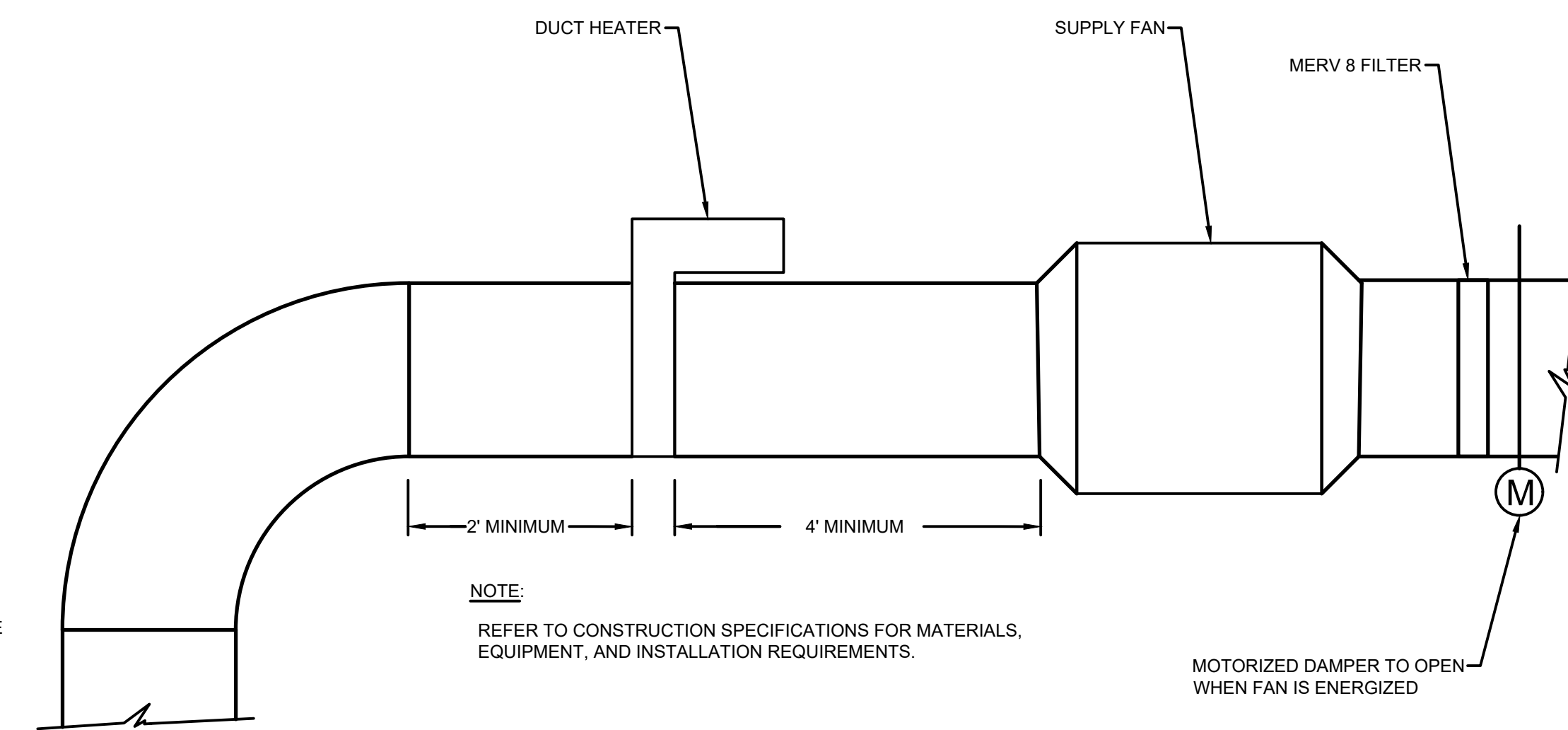
5 EXHAUST FAN DETAIL
SCALE: NOT TO SCALE det#:



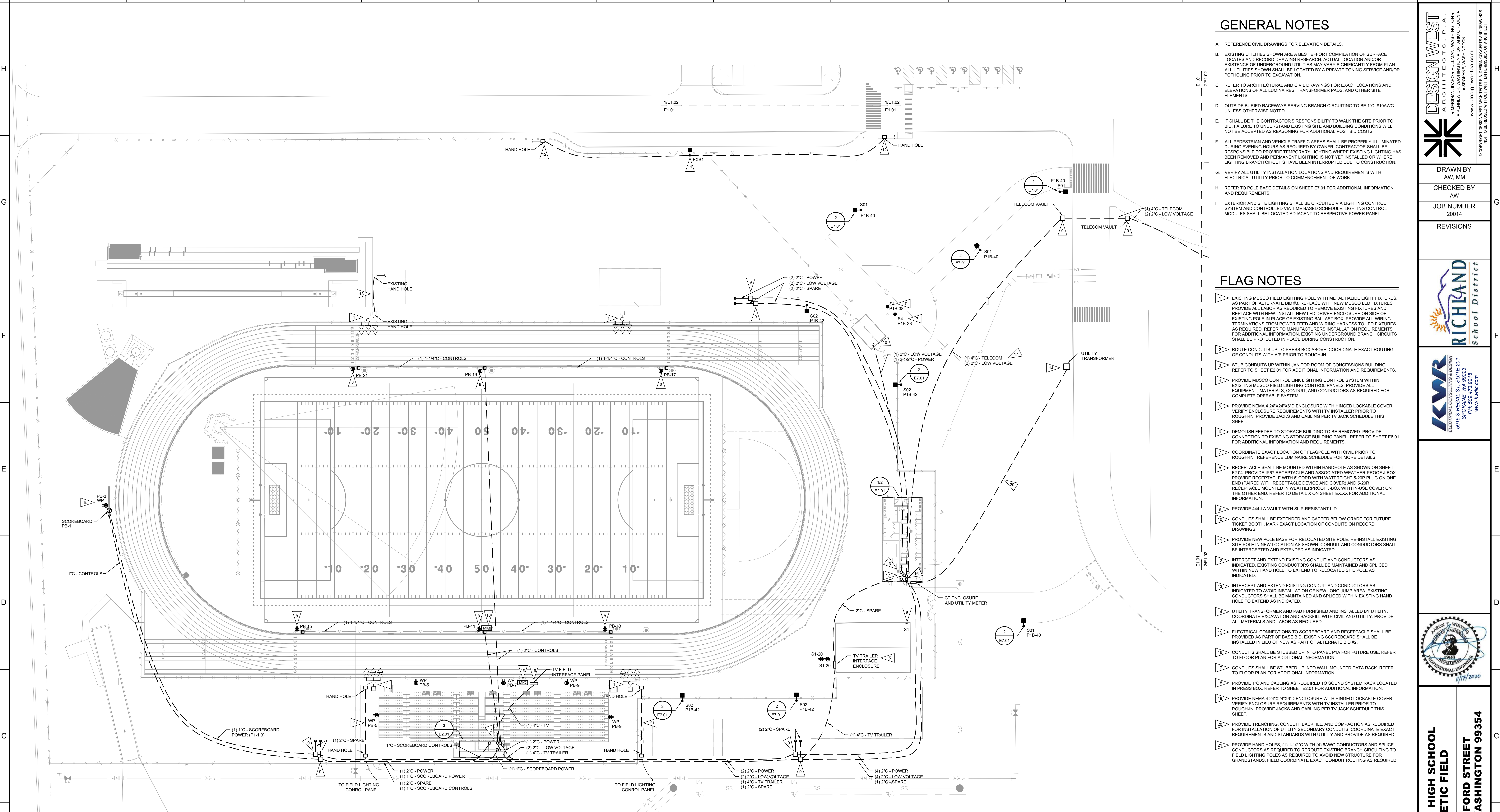
NOTE:
1. WHEN "D" IS OVER 24" PROVIDE 3/4" DRAIN AT 5'-0" CENTERS (IF DEPTH INTO PAPER IS GREATER THAN 5'-0"), 6" FROM LOUVER WITH TRAP

2 LOUVER CONNECTION DETAIL
SCALE: NOT TO SCALE

SEQUENCE OF OPERATION
OCCUPIED MODE: THE UNIT SHALL MAINTAIN 60°F (ADJ.) HEATING SETPOINT.
UNOCCUPIED MODE: THE UNIT SHALL MAINTAIN 50°F (ADJ.) HEATING SETPOINT.
PROVIDE A ROOM THERMOSTAT COMPATIBLE WITH THE UNIT TO CONTROL THE HEATING, EXHAUST FAN, AND SUPPLY FAN.
OCCUPIED MODE
THE EXHAUST FAN & SUPPLY FAN(S) MOTORIZED DAMPERS SHALL OPEN AND THE FANS WILL RUN CONTINUOUSLY WHILE BUILDING IS IN OPERATION. IF ROOM TEMPERATURE DROPS BELOW THE SETPOINT THE ELECTRIC DUCT HEATER(S) WILL STAGE ON TO SATISFY ZONE SETPOINT.
UNOCCUPIED MODE
ON A CALL FOR HEATING THE EXHAUST FAN & SUPPLY FAN(S) MOTORIZED DAMPERS SHALL OPEN. THE FANS SHALL RUN & THE ELECTRIC DUCT HEATER(S) SHALL STAGE ON TO SATISFY ZONE SETPOINT. ONCE SETPOINT IS SATISFIED ALL EQUIPMENT WILL SHUT DOWN & MOTORIZED DAMPERS WILL CLOSE.



3 INLINE FAN & DUCT HEATER DETAIL
SCALE: NOT TO SCALE det#:



TV BROADCAST JACKS AND CABLES

- | | |
|---|--|
| <p>TRAILER INTERFACE PANEL (AT STORAGE BUILDING)</p> <ul style="list-style-type: none"> 10-3 CONDUCTOR FEMALE PANEL MOUNT XLR AUDIO CONNECTORS - NEUTRIK NC3FD-1 6-BNC FEED THROUGH - ADC BHFT-11 2-PANEL MOUNT 8 CONDUCTOR RJ45 JACKS 4-MALE TRIAX PANEL MOUNT CONNECTORS - KING TRI-LOC 7702-3 <p>PRESS BOX ROOM</p> <ul style="list-style-type: none"> 6-3 CONDUCTOR FEMALE PANEL MOUNT XLR AUDIO CONNECTORS - NEUTRIK NC3FD-1 6-3 CONDUCTOR MALE PANEL MOUNT XLR AUDIO CONNECTORS - NEUTRIK NC3MD-1 3-BNC FEED THROUGH - ADC BHFT-11 1-PANEL MOUNT 8 CONDUCTOR RJ45 JACKS <p>TV CAMERA ROOM</p> <ul style="list-style-type: none"> 2-3 CONDUCTOR FEMALE PANEL MOUNT XLR AUDIO CONNECTORS - NEUTRIK NC3FD-1 2-3 CONDUCTOR MALE PANEL MOUNT XLR AUDIO CONNECTORS - NEUTRIK NC3MD-1 1-BNC FEED THROUGH - ADC BHFT-11 2-FEMALE TRIAX PANEL MOUNT CONNECTORS - KING TRI-LOC 7702-6 <p>FIELD INTERFACE PANEL (BOTTOM OF BLEACHERS AT TRACK)</p> <ul style="list-style-type: none"> 4-3 CONDUCTOR FEMALE PANEL MOUNT XLR AUDIO CONNECTORS - NEUTRIK NC3FD-1 4-3 CONDUCTOR MALE PANEL MOUNT XLR AUDIO CONNECTORS - NEUTRIK NC3MD-1 2-BNC FEED THROUGH - ADC BHFT-11 1-PANEL MOUNT 8 CONDUCTOR RJ45 JACKS 2-FEMALE TRIAX PANEL MOUNT CONNECTORS - KING TRI-LOC 7702-6 | <p>TRAILER INTERFACE TO PRESS BOX INTERFACE</p> <ul style="list-style-type: none"> 6-STEREO AUDIO PAIR CABLES - BELDEN 8723 AUDIO CABLE 3-75 OHM DIGITAL/ANALOG RG6 COAX VIDEO CABLES - BELDEN 1694A (TERMINATED WITH 75 OHM ADC BNC-S CONNECTORS) 1-CATE OSP CABLE <p>TRAILER INTERFACE TO CAMERA ROOM</p> <ul style="list-style-type: none"> 2-STEREO AUDIO PAIR CABLES - BELDEN 8723 AUDIO CABLE 1-75 OHM DIGITAL/ANALOG RG6 COAX VIDEO CABLES - BELDEN 1694A (TERMINATED WITH 75 OHM ADC BNC-S CONNECTORS) 2-RG11 TYPE TRIAX CABLES - GEPCO VT61811 1-CATE OSP CABLE <p>TRAILER INTERFACE TO FIELD INTERFACE PANEL</p> <ul style="list-style-type: none"> 4-STEREO AUDIO PAIR CABLES - BELDEN 8723 AUDIO CABLE 2-75 OHM DIGITAL/ANALOG RG6 COAX VIDEO CABLES - BELDEN 1694A (TERMINATED WITH 75 OHM ADC BNC-S CONNECTORS) 2-RG11 TYPE TRIAX CABLES - GEPCO VT61811 1-CATE OSP CABLE <p>TRAILER INTERFACE TO CONCESSIONS BUILDING</p> <ul style="list-style-type: none"> 1-2\"/> |
|---|--|

ENCLOSURES WITH MOUNTING PANEL TO BE PROVIDED BY DIVISION 26 CONTRACTOR.

CONDUIT AND CABLES SHALL BE PROVIDED BY DIVISION 26 CONTRACTOR. LEAVE A MINIMUM OF 4' SLACK CABLE AT END OF EACH CABLE. LABEL EACH CONDUIT AND EACH GROUP OF CABLES WITH LOCATION OF THE OPPOSITE END OF THE CABLE.

JACKS TO BE FURNISHED BY DIVISION 26 CONTRACTOR. TERMINATIONS AND INSTALLATION BY TV SYSTEM INSTALLER. CONTACT MARK KENNEDY, CHIEF ENGINEER WITH SWX PRIOR TO INSTALLATION OF CABLES AND ENCLOSURES FOR A FIELD COORDINATION WALK THROUGH: OFFICE 509-225-2352, CELL PHONE 1-509-946-4077, EMAIL MARK.KENNEDY@KNDG.COM

GENERAL NOTES

- A. REFERENCE CIVIL DRAWINGS FOR ELEVATION DETAILS.
- B. EXISTING UTILITIES SHOWN ARE A BEST EFFORT COMPILATION OF SURFACE LOCATES AND RECORD DRAWING RESEARCH. ACTUAL LOCATION AND/OR EXISTENCE OF UNDERGROUND UTILITIES MAY VARY SIGNIFICANTLY FROM PLAN. ALL UTILITIES SHOWN SHALL BE LOCATED BY A PRIVATE TONING SERVICE AND/OR POT-HOLING PRIOR TO EXCAVATION.
- C. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL LUMINAIRES, TRANSFORMER PADS, AND OTHER SITE ELEMENTS.
- D. OUTSIDE BURIED RACEWAYS SERVING BRANCH CIRCUITING TO BE 1" #10AWG UNLESS OTHERWISE NOTED.
- E. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WALK THE SITE PRIOR TO BID FAILURE TO UNDERSTAND EXISTING SITE AND BUILDING CONDITIONS WILL NOT BE ACCEPTED AS REASONING FOR ADDITIONAL POST BID COSTS.
- F. ALL PEDESTRIAN AND VEHICLE TRAFFIC AREAS SHALL BE PROPERLY ILLUMINATED DURING EVENING HOURS AS REQUIRED BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY LIGHTING WHERE EXISTING LIGHTING HAS BEEN REMOVED AND PERMANENT LIGHTING IS NOT YET INSTALLED OR WHERE LIGHTING BRANCH CIRCUITS HAVE BEEN INTERRUPTED DUE TO CONSTRUCTION.
- G. VERIFY ALL UTILITY INSTALLATION LOCATIONS AND REQUIREMENTS WITH ELECTRICAL UTILITY PRIOR TO COMMENCEMENT OF WORK.
- H. REFER TO POLE BASE DETAILS ON SHEET E7.01 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- I. EXTERIOR AND SITE LIGHTING SHALL BE CIRCUITED VIA LIGHTING CONTROL SYSTEM AND CONTROLLED VIA TIME BASED SCHEDULE LIGHTING CONTROL MODULES SHALL BE LOCATED ADJACENT TO RESPECTIVE POWER PANEL.

FLAG NOTES

1. EXISTING MUSCO FIELD LIGHTING POLE WITH METAL HALIDE LIGHT FIXTURES AS PART OF ALTERNATE BID #3. REPLACE WITH NEW MUSCO LED FIXTURES. PROVIDE ALL LABOR AS REQUIRED TO REMOVE EXISTING FIXTURES AND REPLACE WITH NEW. INSTALL NEW LED DRIVER ENCLOSURE ON SIDE OF EXISTING POLE IN PLACE OF EXISTING BALLAST. PROVIDE ALL WIRING TERMINATIONS FROM POWER FEED AND WIRING HARNESS TO LED FIXTURES AS REQUIRED. REFER TO MANUFACTURERS INSTALLATION REQUIREMENTS FOR ADDITIONAL INFORMATION. EXISTING UNDERGROUND BRANCH CIRCUITS SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION.
2. ROUTE CONDUITS UP TO PRESS BOX ABOVE. COORDINATE EXACT ROUTING OF CONDUITS WITH A/E PRIOR TO ROUGH-IN.
3. STUB CONDUITS UP WITHIN JANITOR ROOM OF CONCESSIONS BUILDING. REFER TO SHEET E2.01 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4. PROVIDE MUSCO CONTROL LINK LIGHTING CONTROL SYSTEM WITHIN EXISTING MUSCO FIELD LIGHTING CONTROL PANELS. PROVIDE ALL EQUIPMENT, MATERIALS, CONDUIT, AND CONDUCTORS AS REQUIRED FOR COMPLETE OPERABLE SYSTEM.
5. PROVIDE NEMA 4 24"x24"x6"D ENCLOSURE WITH HINGED LOCKABLE COVER. VERIFY ENCLOSURE REQUIREMENTS WITH TV INSTALLER PRIOR TO ROUGH-IN. PROVIDE JACKS AND CABLING PER TV JACK SCHEDULE THIS SHEET.
6. DEMOLISH FEEDER TO STORAGE BUILDING TO BE REMOVED. PROVIDE CONNECTION TO EXISTING STORAGE BUILDING PANEL. REFER TO SHEET E6.01 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
7. COORDINATE EXACT LOCATION OF FLAGPOLE WITH CIVIL PRIOR TO ROUGH-IN. REFERENCE LUMINAIRE SCHEDULE FOR MORE DETAILS.
8. RECEPTACLE SHALL BE MOUNTED WITHIN HANDHOLE AS SHOWN ON SHEET F2.01. PROVIDE IP67 RECEPTACLE AND ASSOCIATED WEATHER-PROOF J-BOX. PROVIDE RECEPTACLE WITH IP CORN WITH WATER-TIGHT STOP PLUG ON ONE END (PAIRED WITH RECEPTACLE DEVICE AND COVER) AND 5-20R RECEPTACLE MOUNTED IN WEATHERPROOF J-BOX WITH IN-USE COVER ON THE OTHER END. REFER TO DETAIL X ON SHEET EX XX FOR ADDITIONAL INFORMATION.
9. PROVIDE 444-LA VAULT WITH SLIP-RESISTANT LID.
10. CONDUITS SHALL BE EXTENDED AND CAPPED BELOW GRADE FOR FUTURE TICKET BOOTH. MARK EXACT LOCATION OF CONDUITS ON RECORD DRAWINGS.
11. PROVIDE NEW POLE BASE FOR RELOCATED SITE POLE. RE-INSTALL EXISTING SITE POLE IN NEW LOCATION AS SHOWN. CONDUIT AND CONDUCTORS SHALL BE INTERCEPTED AND EXTENDED AS INDICATED.
12. INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTORS AS INDICATED. EXISTING CONDUCTORS SHALL BE MAINTAINED AND SPLICED WITHIN NEW HAND HOLE TO EXTEND TO RELOCATED SITE POLE AS INDICATED.
13. INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTORS AS INDICATED TO AVOID INSTALLATION OF NEW LONG JUMP AREA. EXISTING CONDUCTORS SHALL BE MAINTAINED AND SPLICED WITHIN EXISTING HAND HOLE TO EXTEND AS INDICATED.
14. UTILITY TRANSFORMER AND PAD FURNISHED AND INSTALLED BY UTILITY. COORDINATE EXCAVATION AND BACKFILL WITH CIVIL AND UTILITY. PROVIDE ALL MATERIALS AND LABOR AS REQUIRED.
15. ELECTRICAL CONNECTIONS TO SCOREBOARD AND RECEPTACLE SHALL BE PROVIDED AS PART OF BASE BID. EXISTING SCOREBOARD SUPPLY SHALL BE INSTALLED IN LIEU OF NEW AS PART OF ALTERNATE BID #2.
16. CONDUITS SHALL BE STUBBED UP INTO PANEL P1A FOR FUTURE USE. REFER TO FLOOR PLAN FOR ADDITIONAL INFORMATION.
17. CONDUITS SHALL BE STUBBED UP INTO WALL MOUNTED DATA RACK. REFER TO FLOOR PLAN FOR ADDITIONAL INFORMATION.
18. PROVIDE 1" AND CABLING AS REQUIRED TO SOUND SYSTEM RACK LOCATED IN PRESS BOX. REFER TO SHEET E2.01 FOR ADDITIONAL INFORMATION.
19. PROVIDE NEMA 4 24"x24"x6"D ENCLOSURE WITH HINGED LOCKABLE COVER. VERIFY ENCLOSURE REQUIREMENTS WITH TV INSTALLER PRIOR TO ROUGH-IN. PROVIDE JACKS AND CABLING PER TV JACK SCHEDULE THIS SHEET.
20. PROVIDE TRENCHING, CONDUIT, BACKFILL, AND COMPACTION AS REQUIRED FOR INSTALLATION OF UTILITY-SECONDARY CONDUITS. COORDINATE EXACT REQUIREMENTS AND STANDARDS WITH UTILITY AND PROVIDE AS REQUIRED.
21. PROVIDE HAND HOLES (1) 1-1/2" WITH (4) #6WG CONDUCTORS AND SPLICE CONDUITS AS REQUIRED TO REROUTE EXISTING BRANCH CIRCUITING TO FIELD LIGHTING POLES AS REQUIRED TO AVOID NEW STRUCTURE FOR GRANDSTANDS. FIELD COORDINATE EXACT CONDUIT ROUTING AS REQUIRED.

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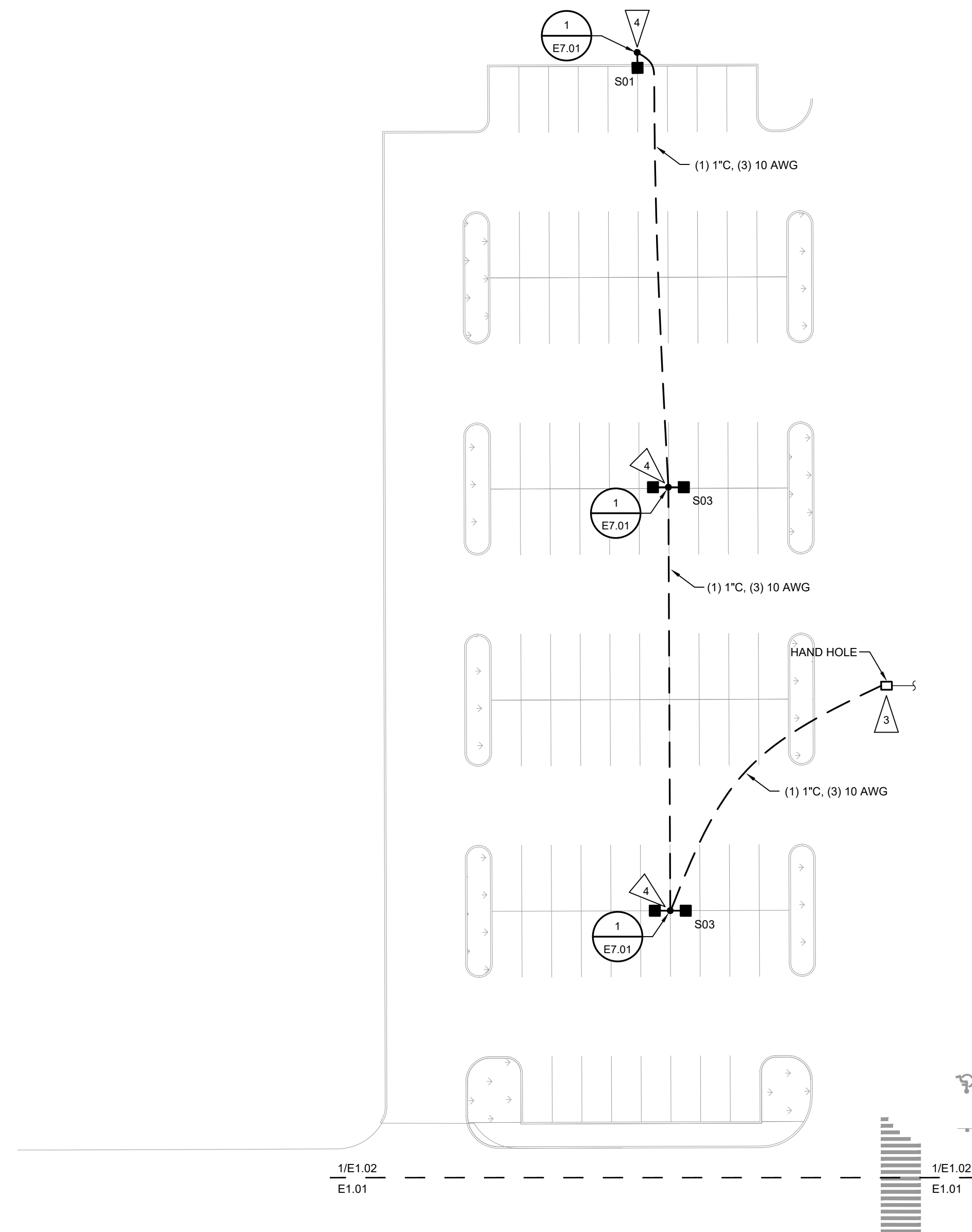
MARION T. WILTING
 PROFESSIONAL ENGINEER
 11/17/2020

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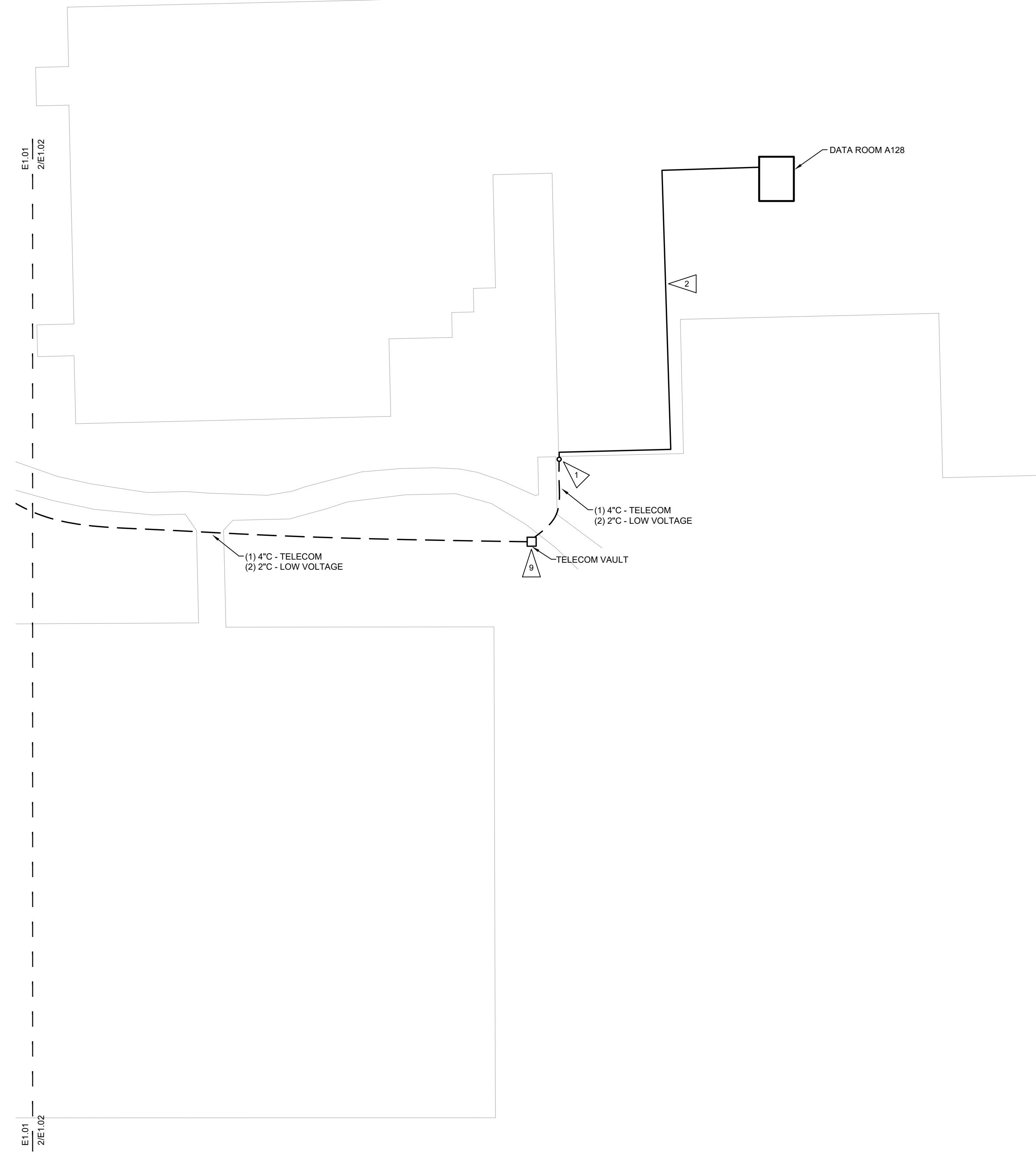
DATE
11/17/2020

SHEET NAME
ELECTRICAL SITE PLAN

SHEET
E1.01



1 ELECTRICAL SITE PLAN
SCALE: 1'-0" = 30'-0"



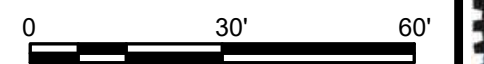
2 ELECTRICAL SITE PLAN
SCALE: 1'-0" = 30'-0"

GENERAL NOTES

- A. REFERENCE CIVIL DRAWINGS FOR ELEVATION DETAILS.
- B. EXISTING UTILITIES SHOWN ARE A BEST EFFORT COMPILATION OF SURFACE LOCATES AND RECORD DRAWING RESEARCH. ACTUAL LOCATION AND/OR EXISTENCE OF UNDERGROUND UTILITIES MAY VARY SIGNIFICANTLY FROM PLAN. ALL UTILITIES SHOWN SHALL BE LOCATED BY A PRIVATE TONING SERVICE AND/OR POT-HOLING PRIOR TO EXCAVATION.
- C. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL LUMINAIRES, TRANSFORMER PADS, AND OTHER SITE ELEMENTS.
- D. OUTSIDE BURIED RACEWAYS SERVING BRANCH CIRCUITING TO BE 1" C, #10AWG UNLESS OTHERWISE NOTED.
- E. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WALK THE SITE PRIOR TO BID. FAILURE TO UNDERSTAND EXISTING SITE AND BUILDING CONDITIONS WILL NOT BE ACCEPTED AS REASONING FOR ADDITIONAL POST BID COSTS.
- F. ALL PEDESTRIAN AND VEHICLE TRAFFIC AREAS SHALL BE PROPERLY ILLUMINATED DURING EVENING HOURS AS REQUIRED BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY LIGHTING WHERE EXISTING LIGHTING HAS BEEN REMOVED AND PERMANENT LIGHTING IS NOT YET INSTALLED OR WHERE LIGHTING BRANCH CIRCUITS HAVE BEEN INTERRUPTED DUE TO CONSTRUCTION.
- G. VERIFY ALL UTILITY INSTALLATION LOCATIONS AND REQUIREMENTS WITH ELECTRICAL UTILITY PRIOR TO COMMENCEMENT OF WORK.
- H. REFER TO POLE BASE DETAILS ON SHEET E7.01 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- I. EXTERIOR AND SITE LIGHTING SHALL BE CIRCUITED VIA LIGHTING CONTROL SYSTEM AND CONTROLLED VIA TIME BASED SCHEDULE. LIGHTING CONTROL MODULES SHALL BE LOCATED ADJACENT TO RESPECTIVE POWER PANEL.

FLAG NOTES

- 1. ROUTE CONDUITS UP EXTERIOR WALL OF BUILDING AND PENETRATE INTO ACCESSIBLE CEILING SPACE. PROVIDE CORE DRILLING AS REQUIRED. PROVIDE ALL WEATHER SEALING MATERIALS AS REQUIRED. COORDINATE EXACT ROUTING OF CONDUITS WITH A/E PRIOR TO ROUGH-IN.
- 2. COMMUNICATIONS CABLING SHALL BE ROUTED WITHIN ACCESSIBLE CEILING SPACE. REMOVE AND REPLACE EXISTING CEILING TILES AS REQUIRED TO ROUTE CABLING TO DATA ROOM AS INDICATED.
- 3. INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTORS FROM EXISTING SITE LIGHTING CIRCUIT AS INDICATED.
- 4. LIGHTING SHALL BE PROVIDED AS PART OF ALTERNATE BID #1 ONLY.



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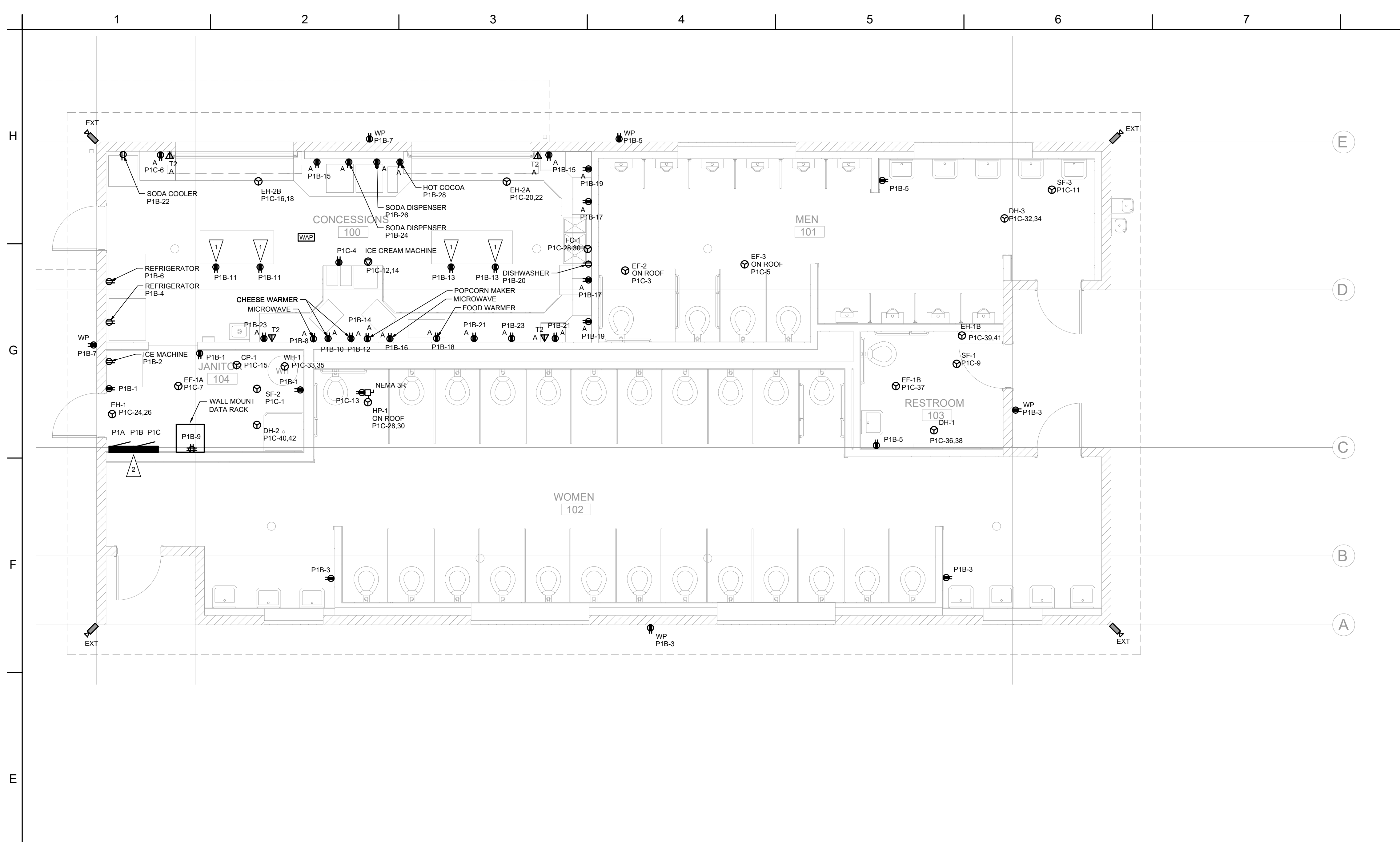


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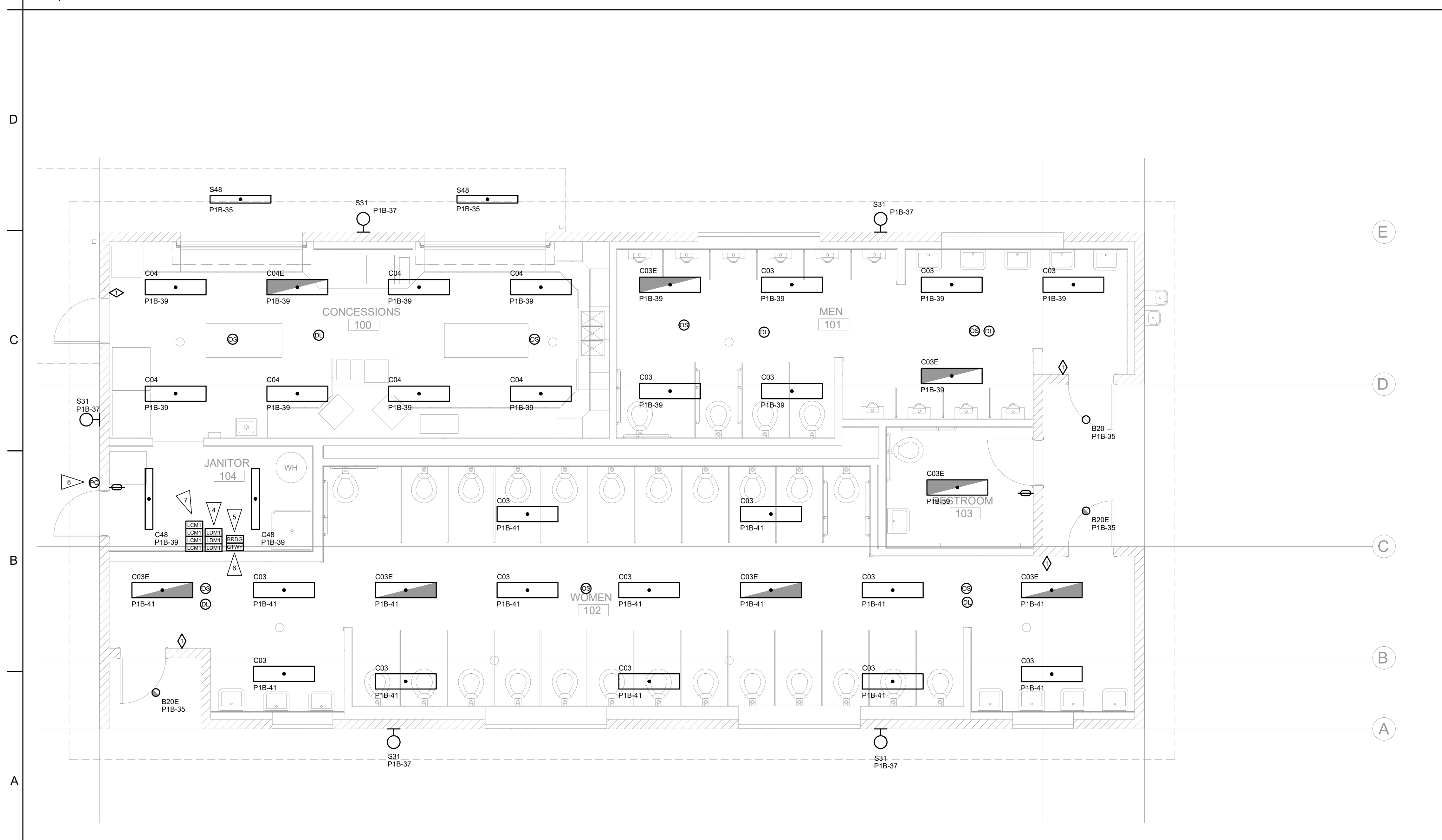
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SHEET NAME
ELECTRICAL SITE PLAN

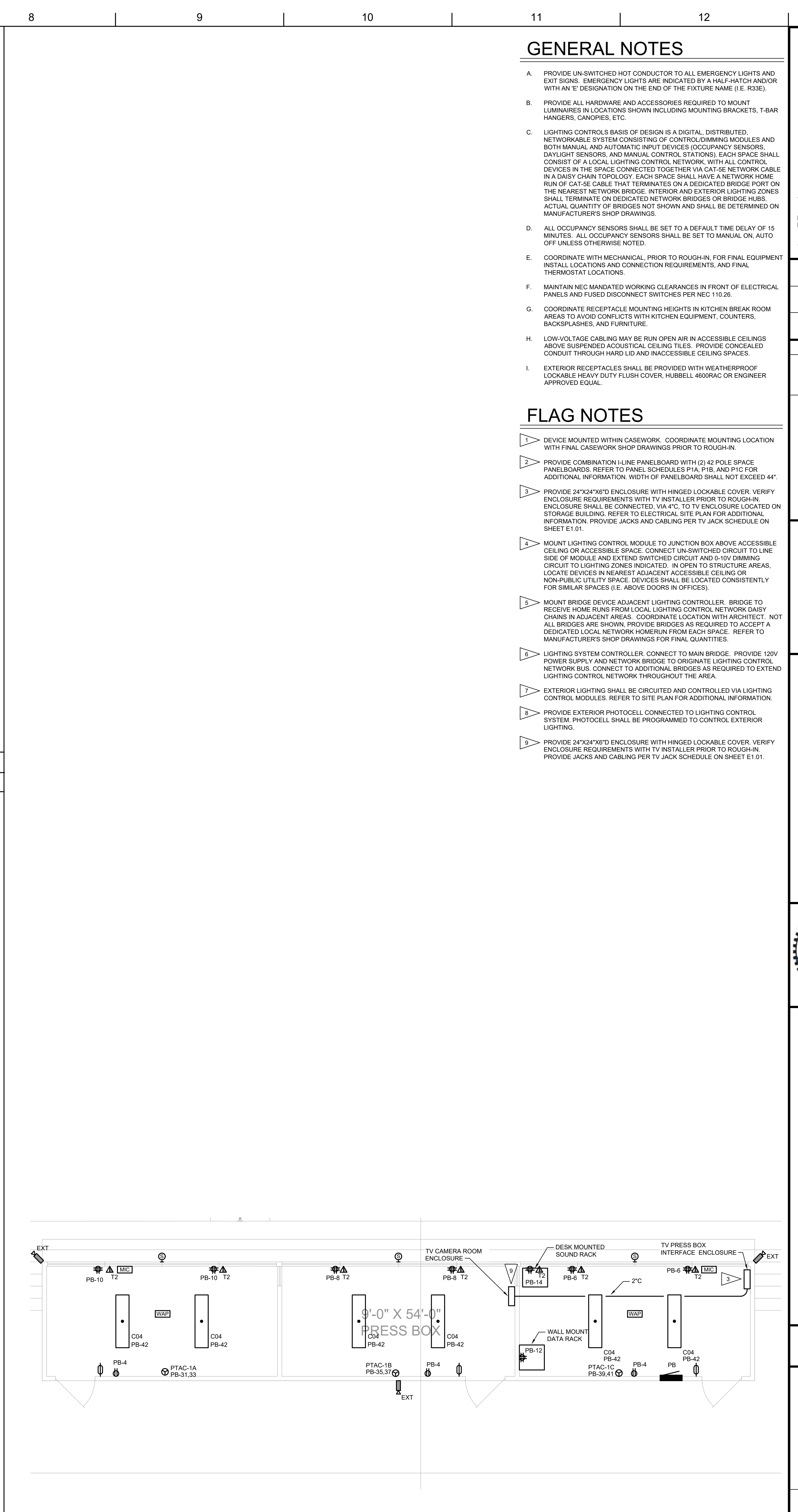
SHEET
E1.02



2 CONCESSIONS BUILDING - POWER PLAN
SCALE: 1/4" = 1'-0"



1 CONCESSIONS BUILDING - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



3 PRESS BOX - ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- A. PROVIDE UN-SWITCHED HOT CONDUCTOR TO ALL EMERGENCY LIGHTS AND EXIT SIGNS. EMERGENCY LIGHTS ARE INDICATED BY A HALF-HATCH AND/OR WITH AN 'E' DESIGNATION ON THE END OF THE FIXTURE NAME (I.E. R33E).
- B. PROVIDE ALL HARDWARE AND ACCESSORIES REQUIRED TO MOUNT LUMINAIRES IN LOCATIONS SHOWN INCLUDING MOUNTING BRACKETS, T-BAR HANGERS, CANOPIES, ETC.
- C. LIGHTING CONTROLS BASIS OF DESIGN IS A DIGITAL, DISTRIBUTED, NETWORKABLE SYSTEM CONSISTING OF CONTROLDIMMING MODULES AND BOTH MANUAL AND AUTOMATIC INPUT DEVICES (OCCUPANCY SENSORS, DAYLIGHT SENSORS, AND MANUAL CONTROL STATIONS). EACH SPACE SHALL CONSIST OF A LOCAL LIGHTING CONTROL NETWORK, WITH ALL CONTROL DEVICES IN THE SPACE CONNECTED TOGETHER VIA CAT-5E NETWORK CABLE IN A DAINY CHAIN TOPOLOGY. EACH SPACE SHALL HAVE A NETWORK HOME RUN OF CAT-5E CABLE THAT TERMINATES ON A DEDICATED BRIDGE PORT ON THE NEAREST NETWORK BRIDGE. INTERIOR AND EXTERIOR LIGHTING ZONES SHALL TERMINATE ON DEDICATED NETWORK BRIDGES OR BRIDGE HUBS. ACTUAL QUANTITY OF BRIDGES NOT SHOWN AND SHALL BE DETERMINED ON MANUFACTURER'S SHOP DRAWINGS.
- D. ALL OCCUPANCY SENSORS SHALL BE SET TO A DEFAULT TIME DELAY OF 15 MINUTES. ALL OCCUPANCY SENSORS SHALL BE SET TO MANUAL ON AUTO OFF UNLESS OTHERWISE NOTED.
- E. COORDINATE WITH MECHANICAL, PRIOR TO ROUGH-IN, FOR FINAL EQUIPMENT INSTALL LOCATIONS AND CONNECTION REQUIREMENTS, AND FINAL THERMOSTAT LOCATIONS, ETC.
- F. MAINTAIN NEC MANDATED WORKING CLEARANCES IN FRONT OF ELECTRICAL PANELS AND FUSED DISCONNECT SWITCHES PER NEC 110.26.
- G. COORDINATE RECEPTACLE MOUNTING HEIGHTS IN KITCHEN BREAK ROOM AREAS TO AVOID CONFLICTS WITH KITCHEN EQUIPMENT, COUNTERTOPS, BACKSPASHES, AND FURNITURE.
- H. LOW-VOLTAGE CABLING MAY BE RUN OPEN AIR IN ACCESSIBLE CEILINGS ABOVE SUSPENDED ACCUSTICAL CEILING TILES. PROVIDE CONCEALED CONDUIT THROUGH HARD LID AND INACCESSIBLE CEILING SPACES.
- I. EXTERIOR RECEPTACLES SHALL BE PROVIDED WITH WEATHERPROOF LOCKABLE HEAVY DUTY FLUSH COVER, HUBBELL 4600RAC OR ENGINEER APPROVED EQUAL.

FLAG NOTES

- △ DEVICE MOUNTED WITHIN CASEWORK. COORDINATE MOUNTING LOCATION WITH FINAL CASEWORK SHOP DRAWINGS PRIOR TO ROUGH-IN.
- ▽ PROVIDE COMBINATION I-LINE PANELBOARD WITH (2) 42 POLE SPACE PANELBOARDS. REFER TO PANEL SCHEDULES P1A, P1B, AND P1C FOR ADDITIONAL INFORMATION. WIDTH OF PANELBOARD SHALL NOT EXCEED 44".
- ▽ PROVIDE 24"x24"x1/2" ENCLOSURE WITH HINGED LOCKABLE COVER. VERIFY ENCLOSURE REQUIREMENTS WITH TV INSTALLER PRIOR TO ROUGH-IN. ENCLOSURE SHALL BE CONNECTED, VIA 4" C, TO TV ENCLOSURE LOCATED ON STORAGE BUILDING. REFER TO ELECTRICAL SITE PLAN FOR ADDITIONAL INFORMATION. PROVIDE JACKS AND CABLING PER TV JACK SCHEDULE ON SHEET E1-01.
- ▽ MOUNT LIGHTING CONTROL MODULE TO JUNCTION BOX ABOVE ACCESSIBLE CEILING OR ACCESSIBLE SPACE. CONNECT UN-SWITCHED CIRCUIT TO LINE SIDE OF MODULE AND EXTEND SWITCHED CIRCUIT AND 0-10V DIMMING CIRCUIT TO LIGHTING ZONES INDICATED. IN OPEN TO STRUCTURE AREAS, LOCATE DEVICES IN NEAREST ADJACENT ACCESSIBLE CEILING OR NON-PUBLIC UTILITY SPACE. DEVICES SHALL BE LOCATED CONSISTENTLY FOR SIMILAR SPACES (I.E. ABOVE DOORS IN OFFICES).
- ▽ MOUNT BRIDGE DEVICE ADJACENT LIGHTING CONTROLLER. BRIDGE TO RECEIVE HOME RUNS FROM LOCAL LIGHTING CONTROL NETWORK DAINY CHAINS IN ADJACENT AREAS. COORDINATE LOCATION WITH ARCHITECT. NOT ALL BRIDGES ARE SHOWN. PROVIDE BRIDGES AS REQUIRED TO ACCEPT A DEDICATED LOCAL NETWORK HOMERUN FROM EACH SPACE. REFER TO MANUFACTURER'S SHOP DRAWINGS FOR FINAL QUANTITIES.
- ▽ LIGHTING SYSTEM CONTROLLER. CONNECT TO MAIN BRIDGE. PROVIDE 120V POWER SUPPLY AND NETWORK BRIDGE TO ORIGINATE LIGHTING CONTROL NETWORK BUS. CONNECT TO ADDITIONAL BRIDGES AS REQUIRED TO EXTEND LIGHTING CONTROL NETWORK THROUGHOUT THE AREA.
- ▽ EXTERIOR LIGHTING SHALL BE CIRCUITED AND CONTROLLED VIA LIGHTING CONTROL MODULES. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.
- ▽ PROVIDE EXTERIOR PHOTOCELL CONNECTED TO LIGHTING CONTROL SYSTEM. PHOTOCELL SHALL BE PROGRAMMED TO CONTROL EXTERIOR LIGHTING.
- ▽ PROVIDE 24"x24"x1/2" ENCLOSURE WITH HINGED LOCKABLE COVER. VERIFY ENCLOSURE REQUIREMENTS WITH TV INSTALLER PRIOR TO ROUGH-IN. PROVIDE JACKS AND CABLING PER TV JACK SCHEDULE ON SHEET E1-01.

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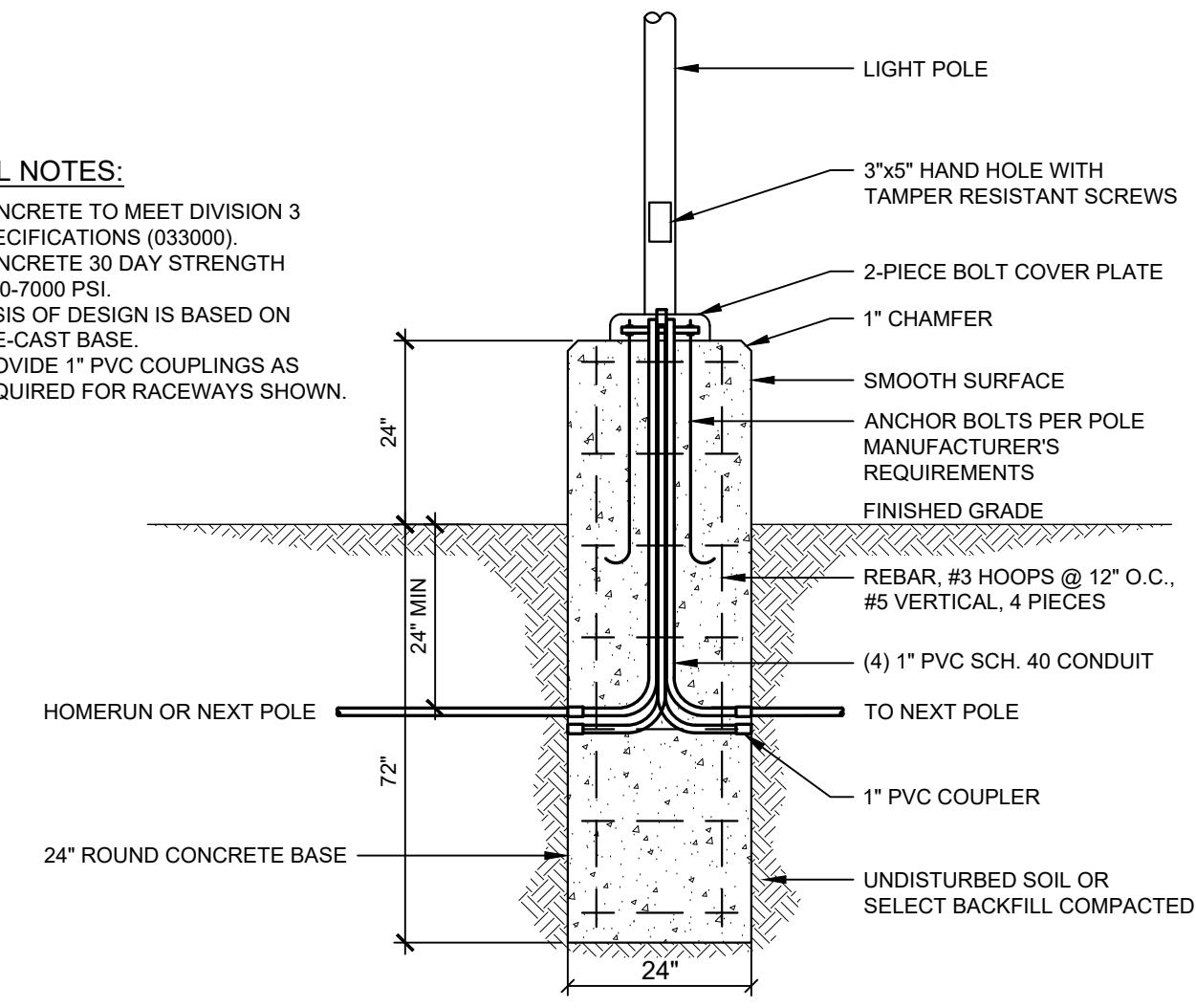
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SHEET NAME: **CONCESSIONS BUILDING - ELECTRICAL FLOOR PLANS**

SHEET: **E2.01**

DETAIL NOTES:

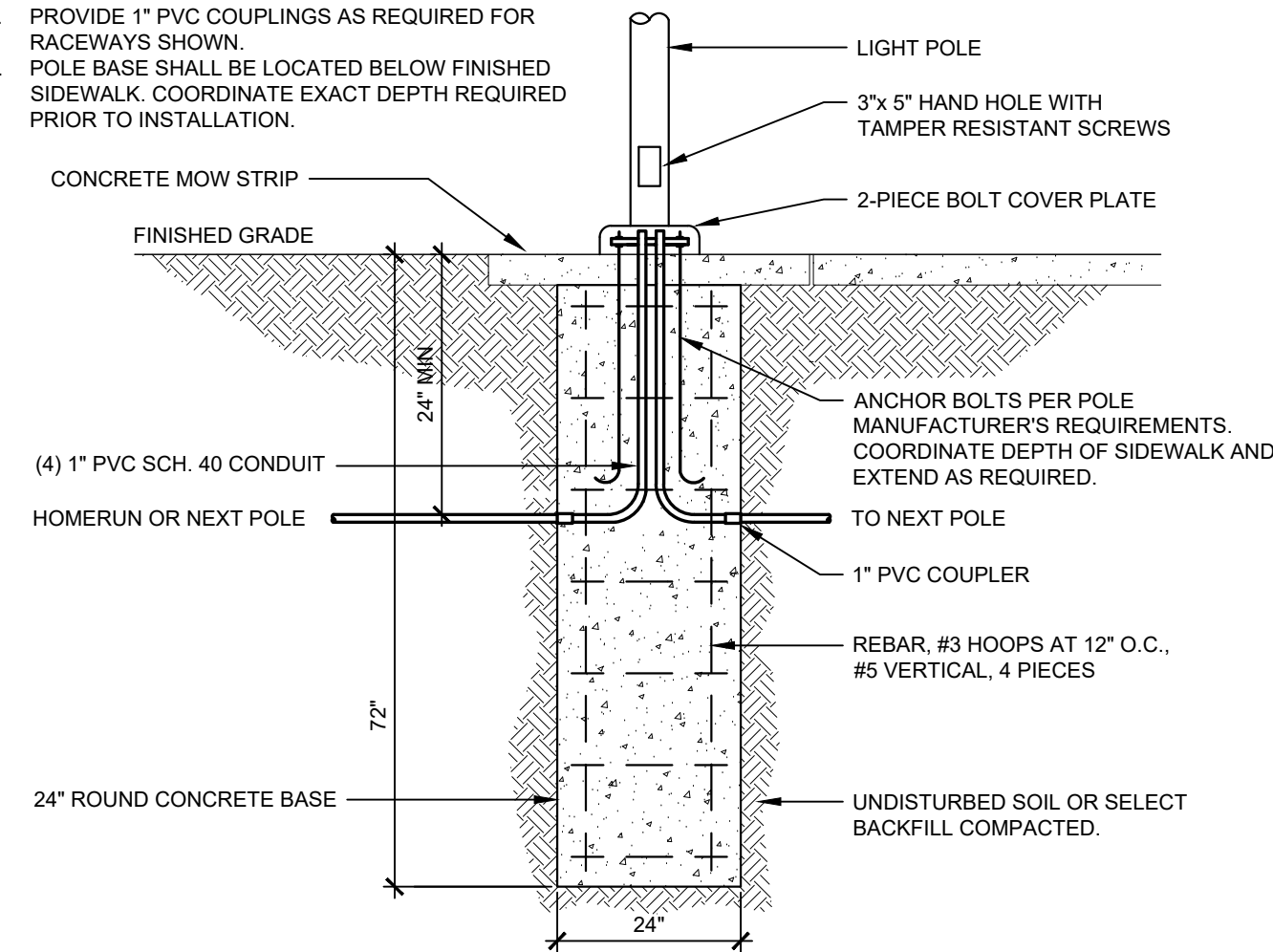
1. CONCRETE TO MEET DIVISION 3 SPECIFICATIONS (033000). CONCRETE 30 DAY STRENGTH 6000-7000 PSI.
2. BASIS OF DESIGN IS BASED ON PRE-CAST BASE.
3. PROVIDE 1" PVC COUPLINGS AS REQUIRED FOR RACEWAYS SHOWN.



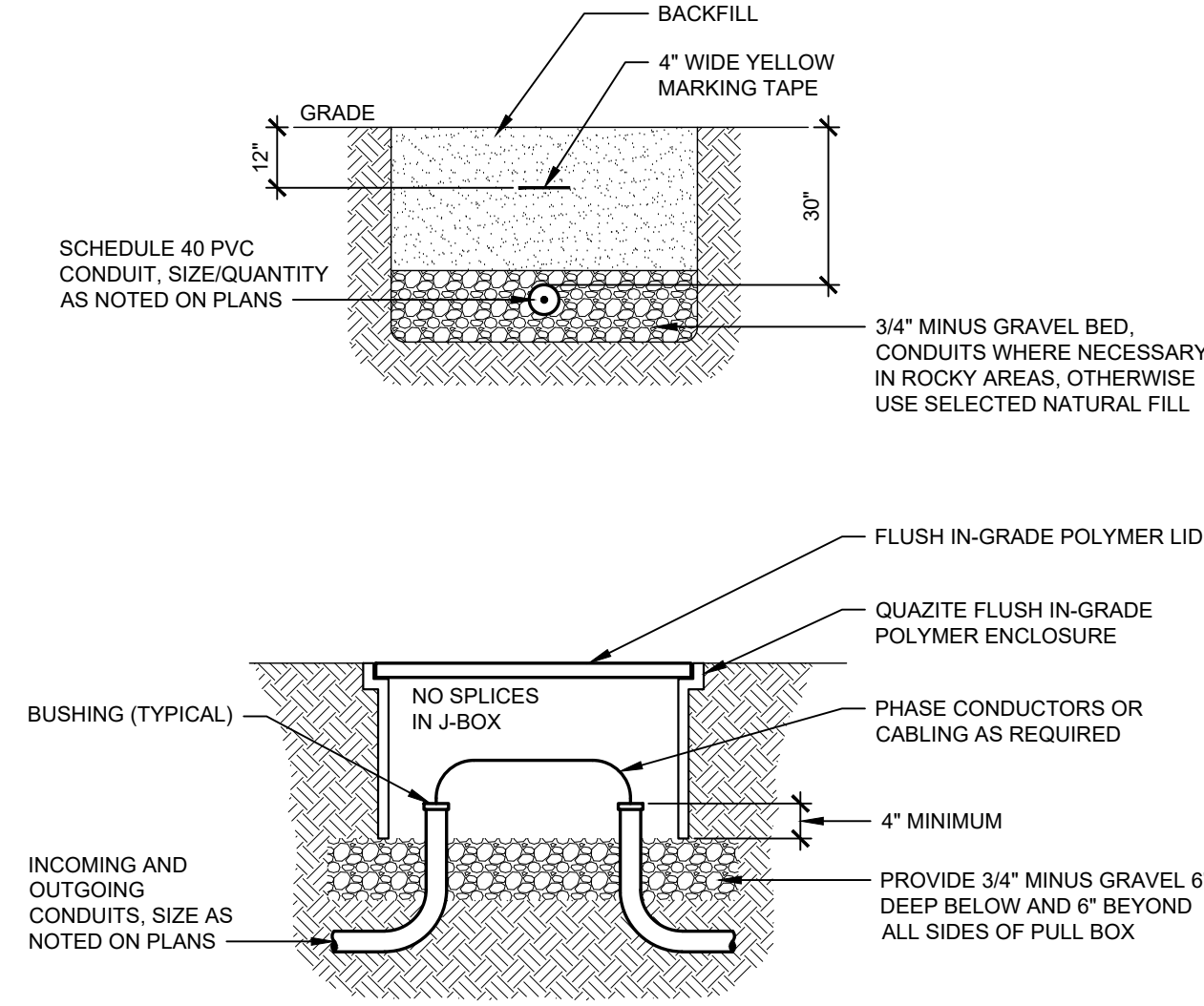
1 SITE POLE BASE DETAIL
SCALE: NTS

DETAIL NOTES:

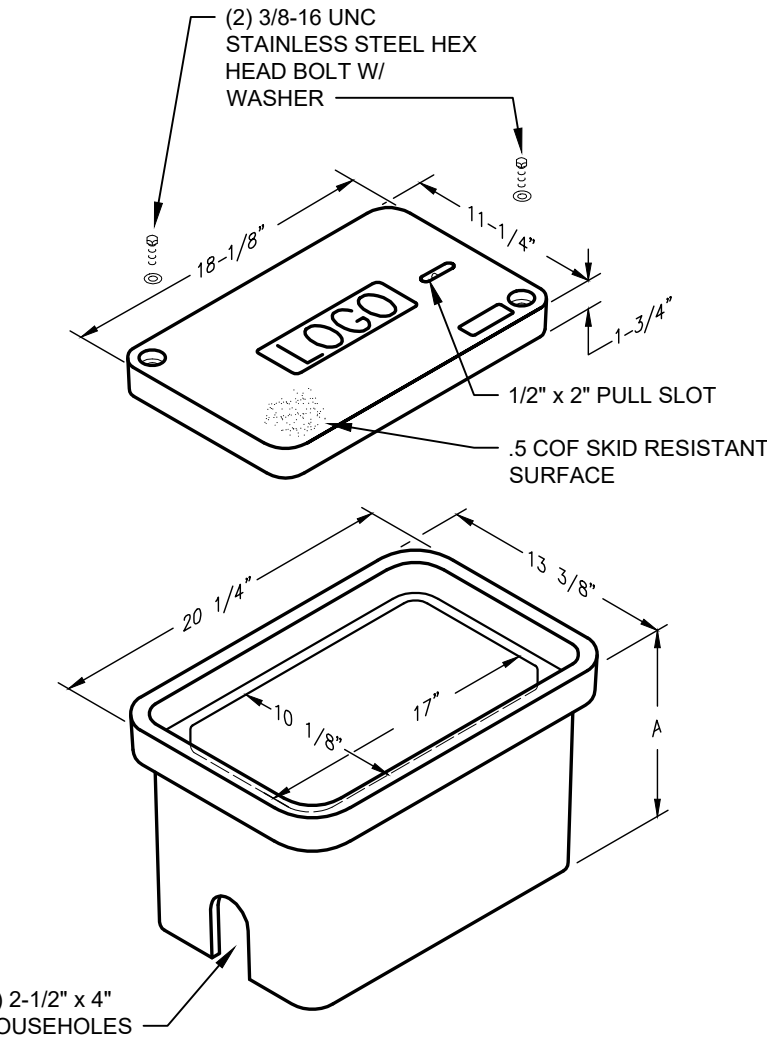
1. CONCRETE TO MEET DIVISION 3 SPECIFICATIONS (033000). CONCRETE 30 DAY STRENGTH 6000-7000 PSI.
2. BASIS OF DESIGN IS BASED ON PRE-CAST BASE.
3. PROVIDE 1" PVC COUPLINGS AS REQUIRED FOR RACEWAYS SHOWN.
4. POLE BASE SHALL BE LOCATED BELOW FINISHED SIDEWALK. COORDINATE EXACT DEPTH REQUIRED PRIOR TO INSTALLATION.



2 PEDESTRIAN SCALE SITE POLE BASE DETAIL
SCALE: NTS

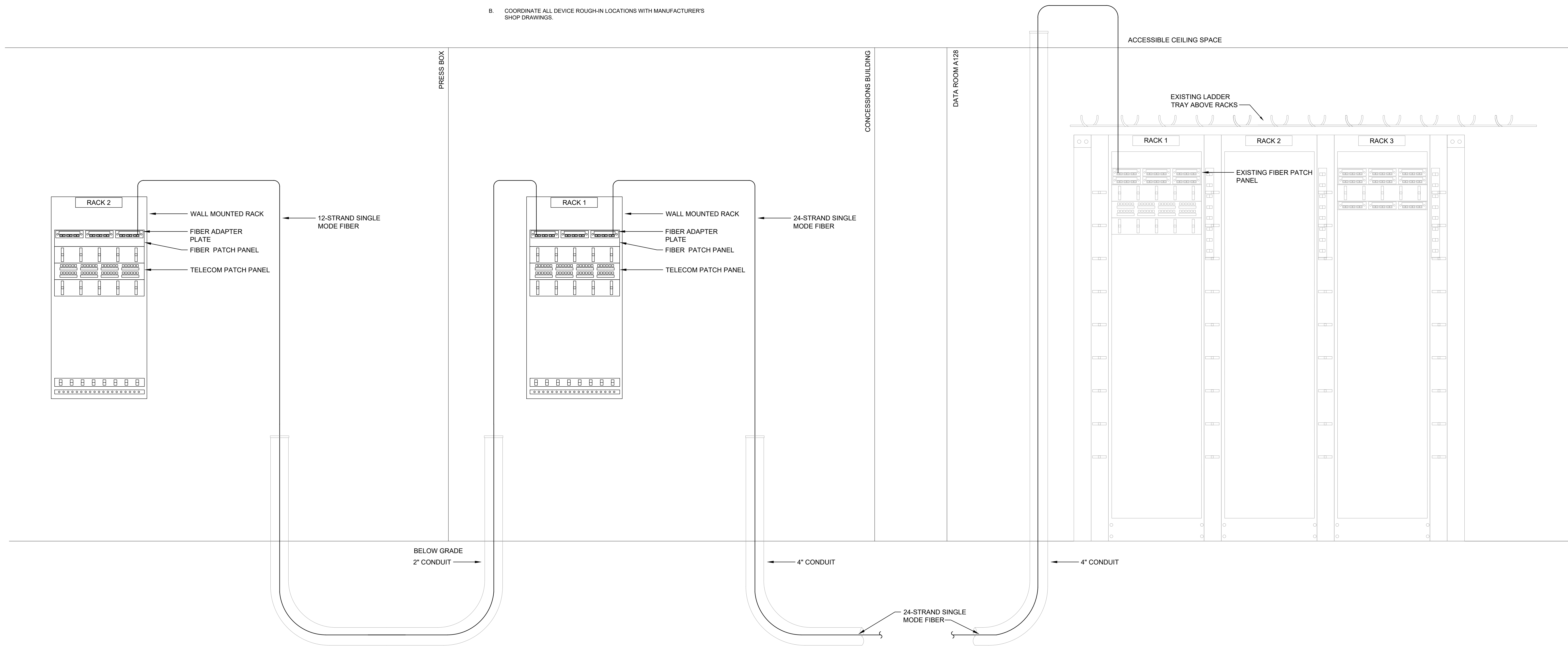


3 TYPICAL TRENCHING AND IN-GROUND HANDHOLE DETAIL
SCALE: NTS



DETAIL NOTES

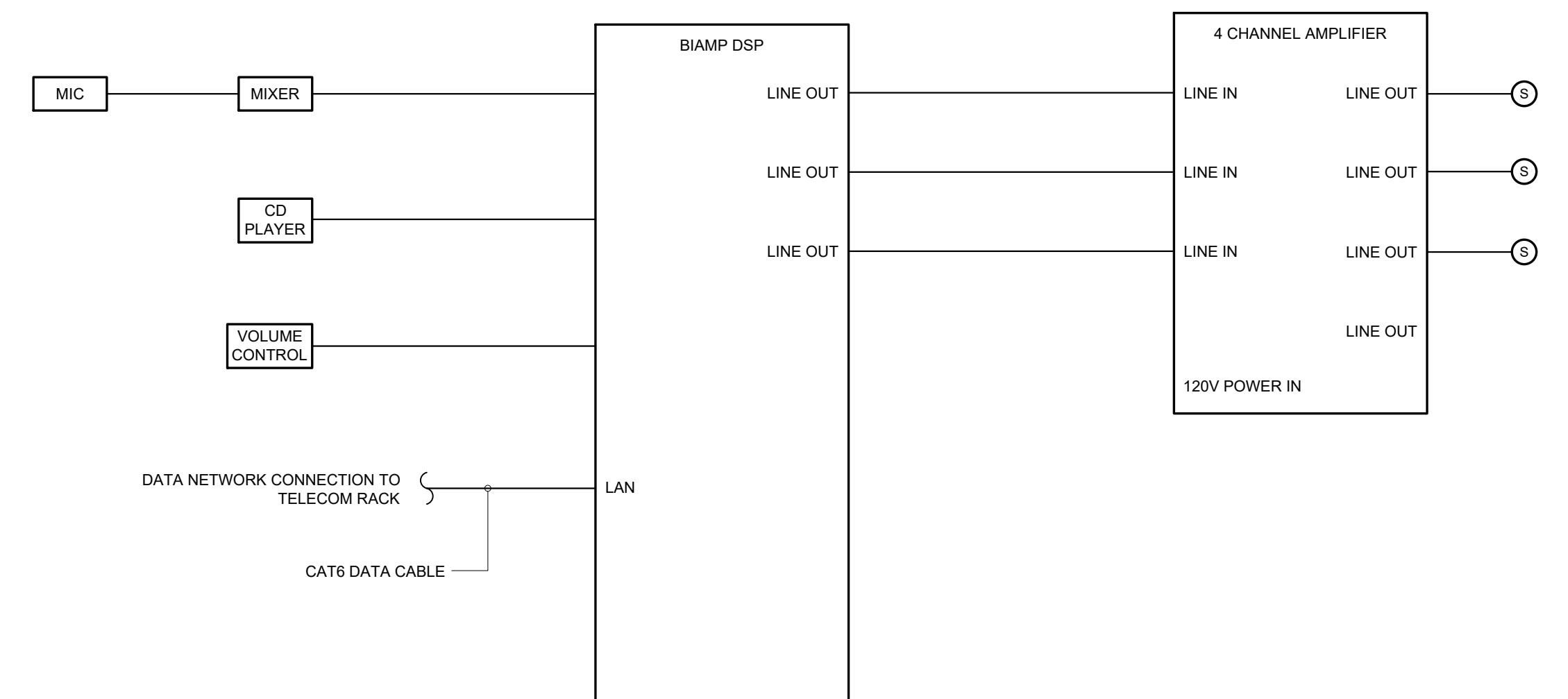
- A. PROVIDE NEW TELECOM CAMERA EQUIPMENT WITHIN RACK 1 AS INDICATED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- B. COORDINATE ALL DEVICE ROUGH-IN LOCATIONS WITH MANUFACTURER'S SHOP DRAWINGS.



1 TELECOM RACK RISER DIAGRAM
SCALE: NTS

DETAIL NOTES:

- 1. PROVIDE CONDUIT AND CONDUCTORS BETWEEN DSP AND ALL INPUT/OUTPUT EQUIPMENT FOR A COMPLETE AND FUNCTIONAL SYSTEM. ALL CABLING SHALL BE RUN IN 3/4\"/>



2 SOUND SYSTEM DIAGRAM
SCALE: NTS