

FILENAME: I:\Municipal\Municipal Studio\03 Projects\2012\120707000 - Fayette County EOC\3-CADD\5-100 COVER SHEET.dwg PLOT TIME/DATE: Thursday, December 05, 2013 3:51:09 PM PLOTTED BY: Whitney Regan PLOTTER: P10955PC3 PLOTSCALE: 1:1 PAPER SIZE: ARCH E1 PEN TABLE: WP, STANDARD, CTB

FAYETTE COUNTY EOC

ADDITIONS/ RENOVATIONS

110 VOLUNTEER WAY
FAYETTEVILLE, GA 30215



PROJECT DIRECTORY

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FIRE PROTECTION &
ELECTRICAL:

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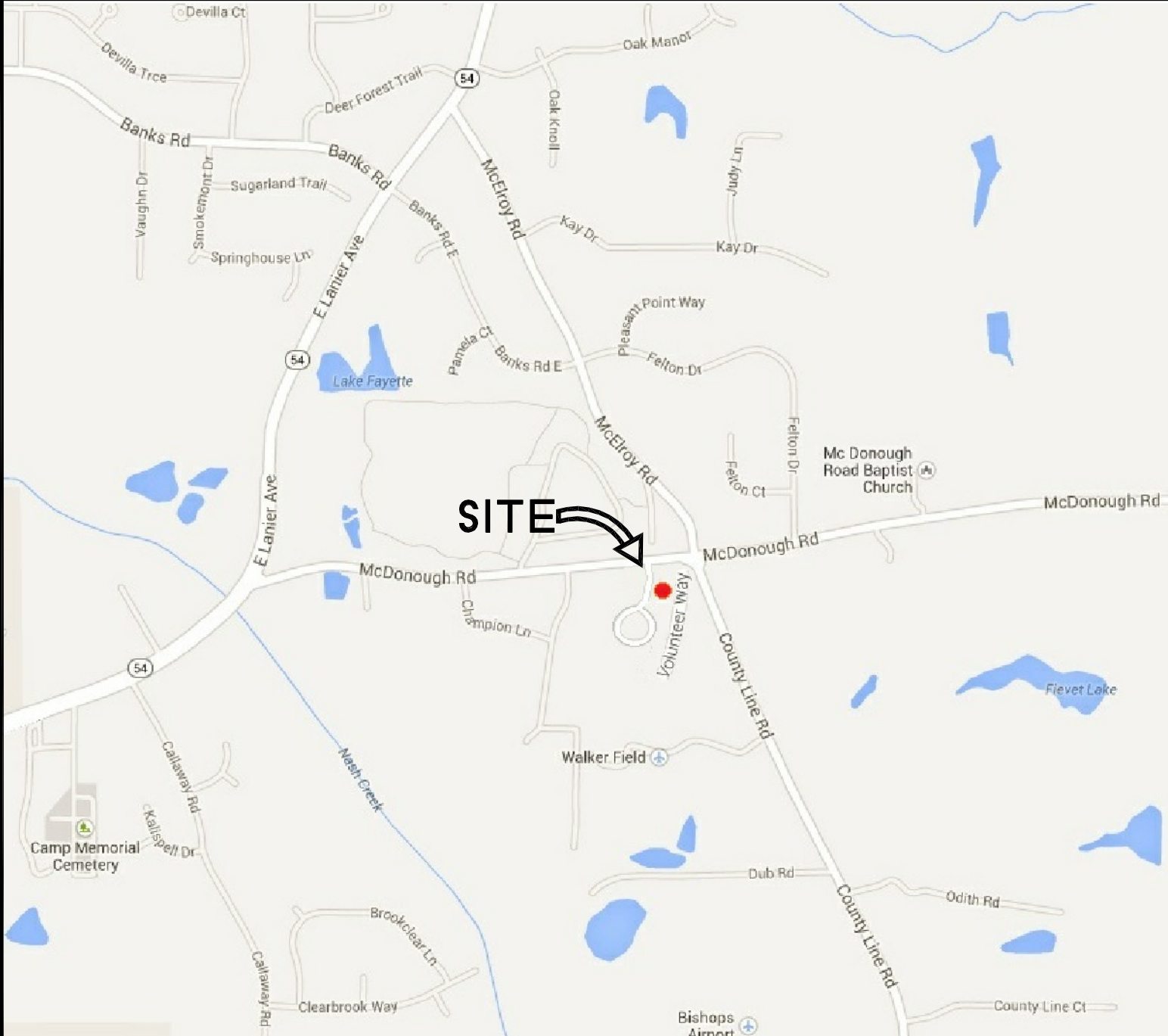
ABBREVIATIONS

•	AT	MAT.	MATERIAL
ACT	ACOUSTICAL TILE	H.M.	HOLLOW METAL
A.F.F.	ABOVE FINISHED FLOOR	HT	HEIGHT
ALUM.	ALUMINUM	I.B.C.	INSTALLED BY CONTRACTOR
B/	BOTTOM OF	JT.	JOINT
BD.	BOARD	L.L.	LANDLORD
BLDG.	BUILDING	MAX.	MAXIMUM
BR	BRICK	MECH.	MECHANICAL
BRG	BEARING	MIN.	MINIMUM
C.	CENTER LINE	MTL.	METAL
C.J.	CONTROL JOINT	NC.	NON-COMBUSTIBLE
CMU.	CONCRETE MASONRY UNIT	N.I.C.	NOT IN CONTRACT
COORD.	COORDINATE	N.T.S.	NOT TO SCALE
COL.	COLUMN	OD.	OVERFLOW DRAIN
CONC.	CONCRETE	OPH.	OPPOSITE HAND
CONT.	CONTINUOUS	PL.	PLASTIC LAMINATE
CIW.	CURTAINWALL	PLYUD.	PLYWOOD
DTL.	DETAIL	FR.	FAIR
Ø	DIAMETER	P.T.D.	PAINT
DWG.	DRAWING	O.C.	ON CENTER
D.S.	DOWN SPOUT	R.D.	ROOF DRAIN
EA.	EACH	SECT.	SECTION
ELEV.	ELEVATION	S.B.O.	SUPPLIED BY OWNER
ELEC.	ELECTRIC	SCHED.	SCHEDULE
E.S.	EQUIPMENT SUPPLIER	SIM.	SIMILAR
EXP.	EXPANSION	STL.	STEEL
EXT.	EXTERIOR	S.S.	STAINLESS STEEL
EW.C.	ELECTRIC WATER COOLER	STRUCT.	STRUCTURAL
F.D.	FLOOR DRAIN	T/	TOP OF
FEC	FIRE EXTINGUISHER CABINET	T&G.	TONGUE AND GROOVE
FF.	FINISH FLOOR	TYP.	TYPICAL
FL.	FLOOR	UNO.	UNLESS NOTED OTHERWISE
FOIC	FURNISHED BY OWNER	VERT.	VERTICAL
FR.	FIRE RETARDANT	V.I.F.	VERIFY IN FIELD
FRAN.	FRANCHISEE	W	WIDE
FRP	FIBERGLASS REINFORCED	W/	WITH
G.C.	GENERAL CONTRACTOR	WD.	WOOD
GWB	GYPSUM WALL BOARD	WWF.	WELDED WIRE FABRIC

SYMBOLS

	ELEVATION MARK		PLYWOOD (LARGE SCALE)
	SECTION MARK S/M - SIMILAR OH - OPPOSITE HAND		PLASTER, GYPSUM WALLBOARD
	ENLARGED PLAN / DETAIL MARK		RIGID INSULATION
	DOOR REFERENCE NUMBER SEE SHEET A81		BATT INSULATION
	OFFICE C123		EARTH
	ROOM NAME & NUMBER		CONCRETE
	FLOOR FINISH		BRICK
	COLUMN AND GRID NUMBER		STEEL, IRON
	WINDOW REFERENCE NUMBER SEE SHEET A81		ALUMINUM
	WOOD FINISH		
	WOOD DIMENSIONAL		

VICINITY MAP



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ASSOCIATES

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FAYETTE
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Fayetteville, Georgia
30215



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12/01/13 FOR CONSTRUCTION

Revisions

12/01/13 APPENDIX AND CLARIFICATIONS

Date

2/20/13-09-23

Job No.

1207007000

Sheet Title

COVER
SHEET

Sheet No.

G100

FOR CONSTRUCTION

FILENAME: C:\PEInc\Projects\19-US-Design\CVR-13005.dwg PLOT TIME/DATE: Thursday, December 05, 2013 4:48:55 PM LAST SAVE: 12/5/2013 3:00 PM PLOTTED BY: Chris PLOTTER: PDF955PC3 PLOTSCALE: 1 PAPER SIZE: ARCH E1 PENTABLE: WB-STANDARDCTB

REFERENCES

1. BOUNDARY AND TOPOGRAPHIC INFORMATION IS BASED ON A SURVEY PREPARED BY LAND ENGINEERING, INC., DATED 7-24-13, ENTITLED TOPOGRAPHIC SURVEY. THE SURVEYOR'S CONTACT INFORMATION IS AS FOLLOWS: 76 SLOAN STREET, MCDONOUGH, GEORGIA 30253, 678-814-4346.
2. THE ABOVE REFERENCED SURVEY INDICATES THAT THE PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARD ZONE AS IDENTIFIED ON A F.I.R.M. COMMUNITY PANEL NO. 13113C 010BE DATED 09-26-06 AS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.).
3. PARTAIN ENGINEERING, LLC, ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE SURVEY(S) REFERENCE (SEE SHEET C005). THE INFORMATION SHOWN HEREON IS FOR INFORMATION ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AFFECTING THE WORK PRIOR TO CONSTRUCTION. ALL INTERPRETATIONS OR CLARIFICATIONS OF THE SURVEY SHALL BE MADE DIRECTLY BY THE SURVEYOR.
4. GEOTECHNICAL REPORT PREPARED BY PIEDMONT GEOTECHNICAL CONSULTANTS, INC., ENTITLED REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION PROPOSED ADDITION TO EMERGENCY OPERATIONS CENTER, DATED 7-17-13. THE GEOTECHNICAL ENGINEER'S CONTACT INFORMATION IS AS FOLLOWS: P.O. BOX 1997, ROSWELL, GA 30077.

GENERAL NOTES

1. DIRT FOR FILL SHALL BE CLEAN, COHESIVE CLAY OR SANDY CLAY FREE OF DEBRIS, ORGANICS, DELETERIOUS MATERIAL AND ROCKS GREATER THAN THREE INCHES IN DIAMETER OR AS RECOMMENDED BY THE TESTING ENGINEER.
2. MAX CUT AND FILL SLOPES SHALL BE 2:1 (H:V) OR AS ALLOWED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
3. ALL CONSTRUCTION MUST CONFORM TO ALL APPLICABLE CITY/COUNTY/STATE/FEDERAL STANDARDS AND SPECIFICATIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SAFETY, MEANS AND METHODS OF COMPLETING THE WORK INCLUDING ALL REQUIRED EQUIPMENT, TESTING AND MATERIALS. THE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY FOR CONSTRUCTION, INCLUDING CLEARING AND DEMOLITION PERMITS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR CONFIRMING THAT ALL APPROVALS HAVE BEEN OBTAINED PRIOR TO BEGINNING CONSTRUCTION.
6. ALL DIMENSIONS ON THESE PLANS ARE FROM FACE OF CURB, FACE OF BUILDING, CENTER OF PIPE, OR CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
7. ALL MANHOLE TOPS SHALL BE SET FLUSH TO GRADE IN PAVED AND LANDSCAPED AREAS UNLESS REQUIRED TO BE SET ABOVE GRADE BY THE AHJ.
8. EQUIPMENT AND MATERIALS SHALL BE STORED IN AREAS DESIGNATED BY THE OWNER. CONSTRUCTION AND STORAGE AREAS SHALL BE KEPT NEAT AND CLEAN. TREE SAVE AREAS SHALL NOT BE USED FOR STORAGE OR PARKING.
9. CONTRACTOR SHALL VERIFY THE ELEVATION OF ALL TIE-IN POINTS FOR PAVING, UTILITIES, AND CURB AND GUTTER.
10. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PROMPTLY UPON DISCOVERY.
11. ALL EXISTING UTILITY BOXES, WATER METER, VALVE BOXES, WHICH ARE INTENDED TO BE FLUSH WITH GRADE ARE TO BE ADJUSTED SO THAT THE ARE FLUSH WITH THE PROPOSED FINISH GRADE AS NECESSARY.
12. CONDUITS FOR SITE LIGHTING SHALL BE INSTALLED, BACKFILLED AND PROPERLY COMPACTED PRIOR TO THE PLACEMENT OF BASE, PAVEMENT, AND CURB AND GUTTER.
13. THE CONTRACTOR SHALL NOTIFY THE CIVIL ENGINEER OF ANY DISCREPANCY BETWEEN THE CIVIL CONSTRUCTION DOCUMENTS AND/OR SPECIFICATIONS AND THE DOCUMENTS OF ANY OTHER DISCIPLINE IMMEDIATELY UPON DISCOVERY.
14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DIMENSIONS SHOWN HEREON WITH THE ARCHITECTURAL DRAWINGS AND EXISTING BUILDINGS PRIOR TO ANY CONSTRUCTION AND SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY DISCREPANCY.
15. LANDSCAPING AND IRRIGATION TO BE COMPLETED AT THE DIRECTION OF THE OWNER/DEVELOPER.
16. PROPOSED SPOT ELEVATIONS ALONG CURBS ARE TO INDICATE THE PROPOSED ELEVATION OF THE GUTTER UNLESS OTHERWISE NOTED.
17. PROPOSED BUILDING LOCATIONS SHOWN ARE FOR REFERENCE ONLY BASED ON PLANS PROVIDED BY THE ARCHITECT.
18. OFF-STREET PARKING SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.
19. APPROVAL OF THESE PLANS IN NO WAY CONSTITUTES PERMISSION TO DISTURB WETLANDS OR STREAM BUFFERS.
20. ALL BUFFERS, WETLANDS AND TREE SAVE AREAS ARE TO BE CLEARLY MARKED BY USE OF FLAGGING, SIGNAGE, OR FENCING BEFORE BEGINNING LAND DISTURBING ACTIVITY.

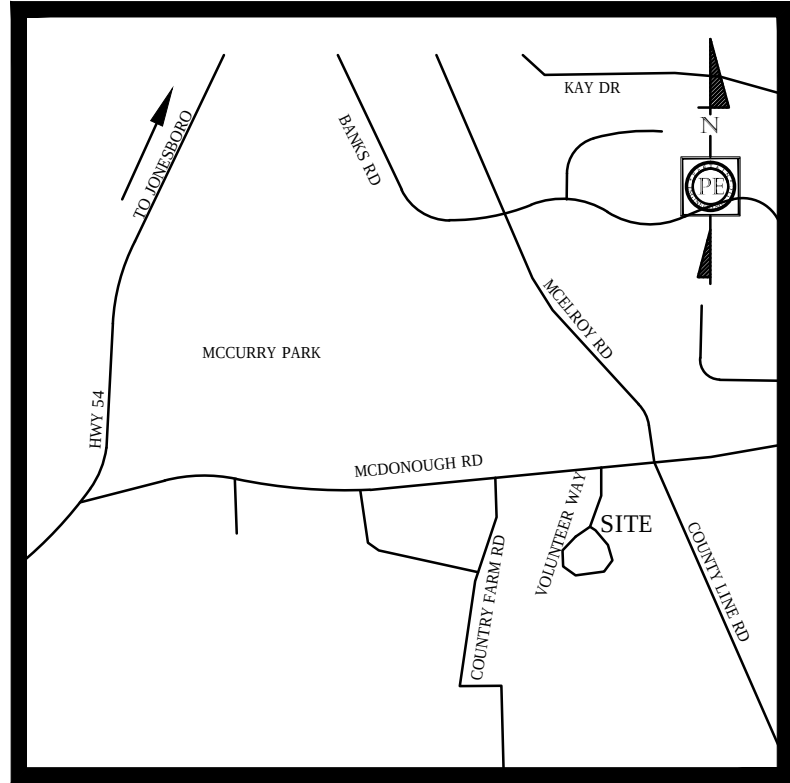
SITE CLEARING & DEMOLITION NOTES

1. CONTRACTOR SHALL CLEARLY MARK AND MAINTAIN PROPERTY BOUNDARY MONUMENTATION AND BENCHMARKS AND BE RESPONSIBLE FOR THE COST OF REPLACING THEM IF DISTURBED OR DAMAGED IN ANY WAY.
2. THE CONTRACTOR SHALL OBTAIN WRITTEN VERIFICATION FROM ALL UTILITY COMPANIES THAT ALL APPLICABLE UTILITIES HAVE BEEN REMOVED PRIOR TO CLEARING AND DEMOLITION.
3. THE CONTRACTOR SHALL PROTECT ANY UTILITY, STRUCTURE OR OTHER IMPROVEMENT THAT IS TO REMAIN AND IS RESPONSIBLE FOR ANY REPAIR COSTS FOR DAMAGE TO THEM.
4. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES WITH UTILITIES WITHIN OR ADJACENT TO THE WORK AREA.
5. ALL VEGETATION, EXISTING PAVEMENT, ORGANICS, AND UNSUITABLE BEARING SOILS SHALL BE STRIPPED FROM THE SURFACE WITH THE CONSTRUCTION LIMITS AND DISPOSED OF OFFSITE UNLESS OTHERWISE NOTED. CLEAN TOPSOIL MAY BE STOCKPILED AND REUSED LATER IN LANDSCAPED AREAS. ALL DEBRIS THAT IS HAULED OFFSITE SHALL BE DISPOSED OF AT A DISPOSAL AREA APPROVED BY THE JURISDICTION HAVING AUTHORITY FOR THE HANDLING OF DEMOLITION DEBRIS.
6. EXCESS TOPSOIL SHALL BE DISPOSED OFFSITE OR AS DIRECTED BY THE OWNER.
7. THE CONTRACTOR SHALL THE LEAVE THE SITE IN NEAT AND CLEAN CONDITION. ANY CONSTRUCTION DEBRIS OR VEGETATION SHALL BE DISPOSED OF OFFSITE.
8. CONTRACTOR SHALL HAVE THE LIMITS OF CLEARING AND ALL BUFFERS STAKED WITH FLAGGING TO INSURE THE PROPER LOCATION OF TREE SAVE FENCE AND PROPOSED IMPROVEMENTS.
9. CONTRACTOR SHALL PROTECT ALL AREAS ADJACENT TO THE LIMITS OF CLEARING AND DEMOLITION FROM DAMAGE DURING DEMOLITION. ANY OFFSITE AREAS DISTURBED SHALL BE RETURNED TO RETURNED TO A CONDITION EQUAL OR BETTER TO THE EXISTING CONDITION. NO TRESPASSING IS ALLOWED ON ADJACENT PROPERTY UNLESS WRITTEN AUTHORIZATION IS OBTAINED FROM THE ADJACENT PROPERTY OWNER.
10. ALL STRUCTURES TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED ABOVE AND BELOW GRADE. ABANDONED SERVICE LINES TO THE STRUCTURES SHALL ALSO BE REMOVED.
11. DISCONNECT AND SEAL OFF ABANDONED UTILITIES AND UTILITIES TO BE REMOVED PRIOR TO START OF DEMOLITION. UTILITIES SHALL BE DISCONNECTED BELOW EXISTING GRADE OR OUTSIDE OF CONTRACT LIMITS BY THE APPLICABLE PUBLIC UTILITY. ALL COSTS FOR THIS WORK SHALL BE BORNE BY THE CONTRACTOR.
12. CONTRACTOR SHALL FIELD-VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING SITE DEMOLITION.

SITE CONSTRUCTION PLANS

FOR

FAYETTE COUNTY EOC
ADDITIONS/ RENOVATIONS



LOCATION MAP

N.T.S.

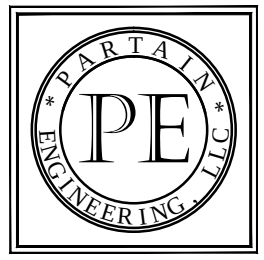
ADDRESS:
110 VOLUNTEER WAY
FAYETTEVILLE, GA 30215
L.L. 139, DIST. 5TH
JURISDICTION: FAYETTE COUNTY

SITE AREA = ±30 ACRES
DISTURBED AREA = ±0.46 ACRES

EXISTING SITE USE: GOVERNMENT COMPLEX
PROPOSED PROJECT: ADDITION TO EXISTING BUILDING
AND PARKING

SITE ZONING: R-20

PREPARED BY:



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JOB NO. 13-105

DRAWING LIST

- | | |
|------|------------------------------|
| C001 | COVERSHEET AND GENERAL NOTES |
| C101 | EXISTING CONDITIONS PLAN |
| C201 | ES&PC PLAN |
| C301 | DEMOLITION PLAN |
| C401 | SITE PLAN |
| C501 | GRADING & DRAINAGE PLAN |
| C601 | UTILITY PLAN |
| C701 | PROFILES |
| C800 | ESPC DETAILS |
| C801 | ESPC DETAILS |
| C802 | ESPC DETAILS |
| C830 | CONSTRUCTION DETAILS |
| C831 | CONSTRUCTION DETAILS |



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770-305-5165

24-HOUR EMERGENCY CONTACT:

CHERYL ROGERS
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WAKEFIELD
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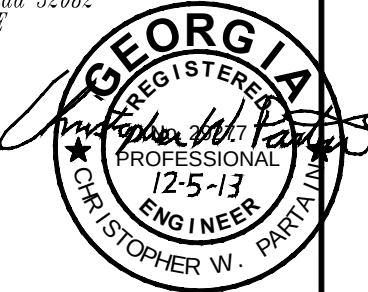
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FAYETTE
COUNTY
EOC

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Fayetteville, Georgia
30215

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12/02/13 FOR CONSTRUCTION

Revisions

Δ 01/02/15 ADDENDUM AND CLARIFICATIONS

Date 10/13-09-23 Job No. 1207007000

Sheet Title

COVERSHEET AND
GENERAL NOTES

Sheet No.

C001

LEGEND

- IRON PIN FOUND
- IRON PIN SET (5/8" REBAR)
- CALCULATED POINT
- RIGHT OF WAY MONUMENT
- BENCHMARK
- CLEAN OUT
- STORM DRAIN MANHOLE
- ROOF DRAIN
- GAS METER
- GAS VALVE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- IRRIGATION CONTROL VALVE
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE
- UTILITY POLE
- LIGHT POLE
- ELECTRIC BOX
- TRANSFORMER
- ELECTRIC METER
- AIR CONDITIONER UNIT
- TELEPHONE PEDESTAL
- TRAFFIC CONTROL BOX
- COMMUNICATION VAULT
- CALL BOX
- CABLE TV BOX
- SIGN

ABBREVIATIONS

- A.K.A. ALSO KNOWN AS
- B.O.S. BOTTOM OF STRUCTURE
- BLDG. BUILDING
- BW. BOTTOM OF WALL
- C. UNDERGROUND COMMUNICATION
- C&G. CURB AND GUTTER
- CI. CURB INLET
- CM. CORRUGATED METAL PIPE
- CONC. CONCRETE
- CO. CLEANOUT
- CTP. CRIMP TOP PIPE
- DB. DEED BOOK
- DI. DROP INLET
- DIP. DUCTILE IRON PIPE
- DIST. DISTURBED
- E- OVERHEAD ELECTRIC
- EU- UNDERGROUND ELECTRIC
- FFE. FINISHED FLOOR ELEVATION
- G- UNDERGROUND GAS LINE
- HW. HEADWALL
- I.I. INVERT IN
- I.O. INVERT OUT
- JB. JUNCTION BOX
- L.L. LAND LOT
- MON. MONUMENT
- N/F. NOW OR FORMERLY
- N.T.S. NOT TO SCALE
- OCS. OUTLET CONTROL STRUCTURE
- O/H. OVERHEAD
- OTF. OPEN TOP PIPE
- PB. PLAT BOOK
- PG. PAGE
- P.O.B. POINT OF BEGINNING
- P.O.C. POINT OF COMMENCEMENT
- P.I.N. PARCEL IDENTIFICATION NUMBER
- P/L. PROPERTY LINE
- PVC. POLYVINYL CHLORIDE PIPE
- RB. REBAR
- RCP. REINFORCED CONCRETE PIPE
- RDU. ROOF DRAIN GOING UNDERGROUND
- R/W. RIGHT OF WAY
- SBL. SETBACK LINE
- S.F. SQUARE FEET
- SSMH. SANITARY SEWER MANHOLE
- TW. TOP OF WALL
- TYP. TYPICAL
- W- UNDERGROUND WATER LINE

TREE LEGEND

SYMBOL	CODE	COMMON NAME
	G	SWEET GUM
	K	OAK
	P	PINE
	W	WILLOW

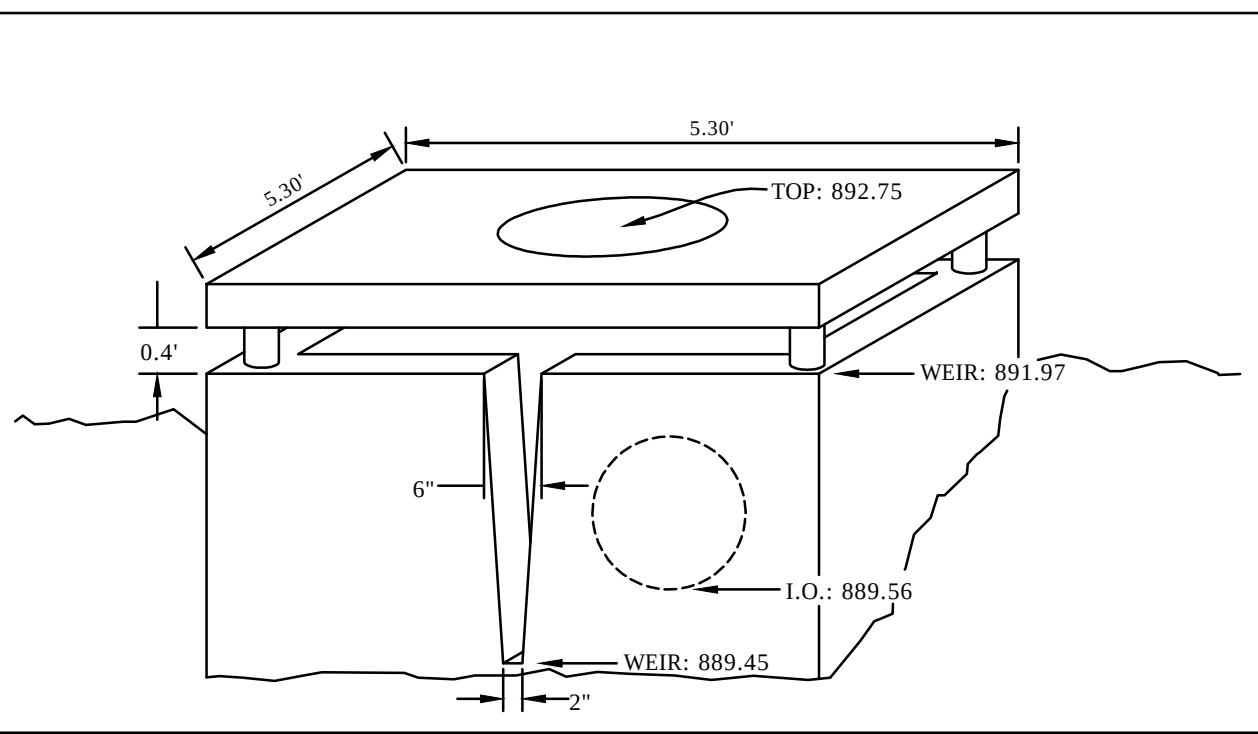
EXAMPLE

16K = 16 INCH OAK TREE

TRUNK DIAMETER MEASURED AT BREAST HEIGHT. TREE SYMBOL SIZE VARIES BASED ON TREE DIAMETER.

NOTE: A WETLAND INVESTIGATION IS TO BE CONDUCTED BEFORE BEGINNING CONSTRUCTION TO IDENTIFY ANY WETLANDS IN OR NEAR THE LIMITS OF CONSTRUCTION.

O.C.S. DETAIL (N.T.S.)



SITE INFORMATION

ADDRESS: 110 VOLUNTEER WAY
FAYETTEVILLE, GEORGIA 30215

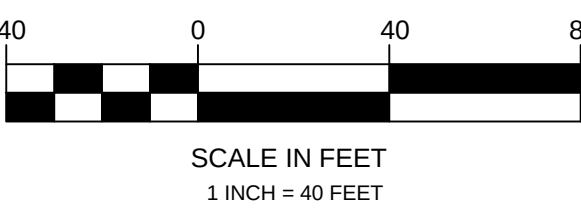
SITE AREA: ±30 ACRES

DIST. AREA: ±0.0 ACRES

SITE ZONING: R-20

PROPOSED PROJECT: ADDITION TO BUILDING AND PARKING LOT

GRAPHIC SCALE



24 HOUR EMERGENCY CONTACT
CHERYL ROGERS 770-320-6051

UTILITY DISCLAIMER

UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES ADJACENT TO OR WITHIN THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED WHEN NECESSARY FOR TIE-INS.



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EXISTING CONDITIONS DISCLAIMER

THE INFORMATION SHOWN ON THIS PLAN IS BASED ON THE SURVEY REFERENCED IN THE REFERENCE SECTION ON SHEET C101. ANY VERIFICATION OF EXISTING INFORMATION SHOULD BE DONE WITH THE SURVEYOR. CONTRACTOR IS TO FIELD VERIFY ALL INFORMATION BEFORE BEGINNING CONSTRUCTION. PARTAIN ENGINEERING, LLC ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION AND IT IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.

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ASSOCIATES

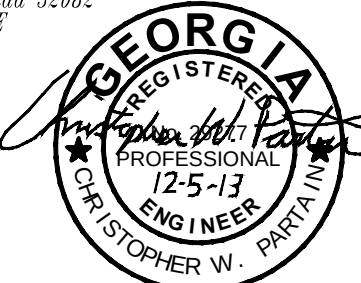
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Fayetteville, Georgia
30215

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Job No.

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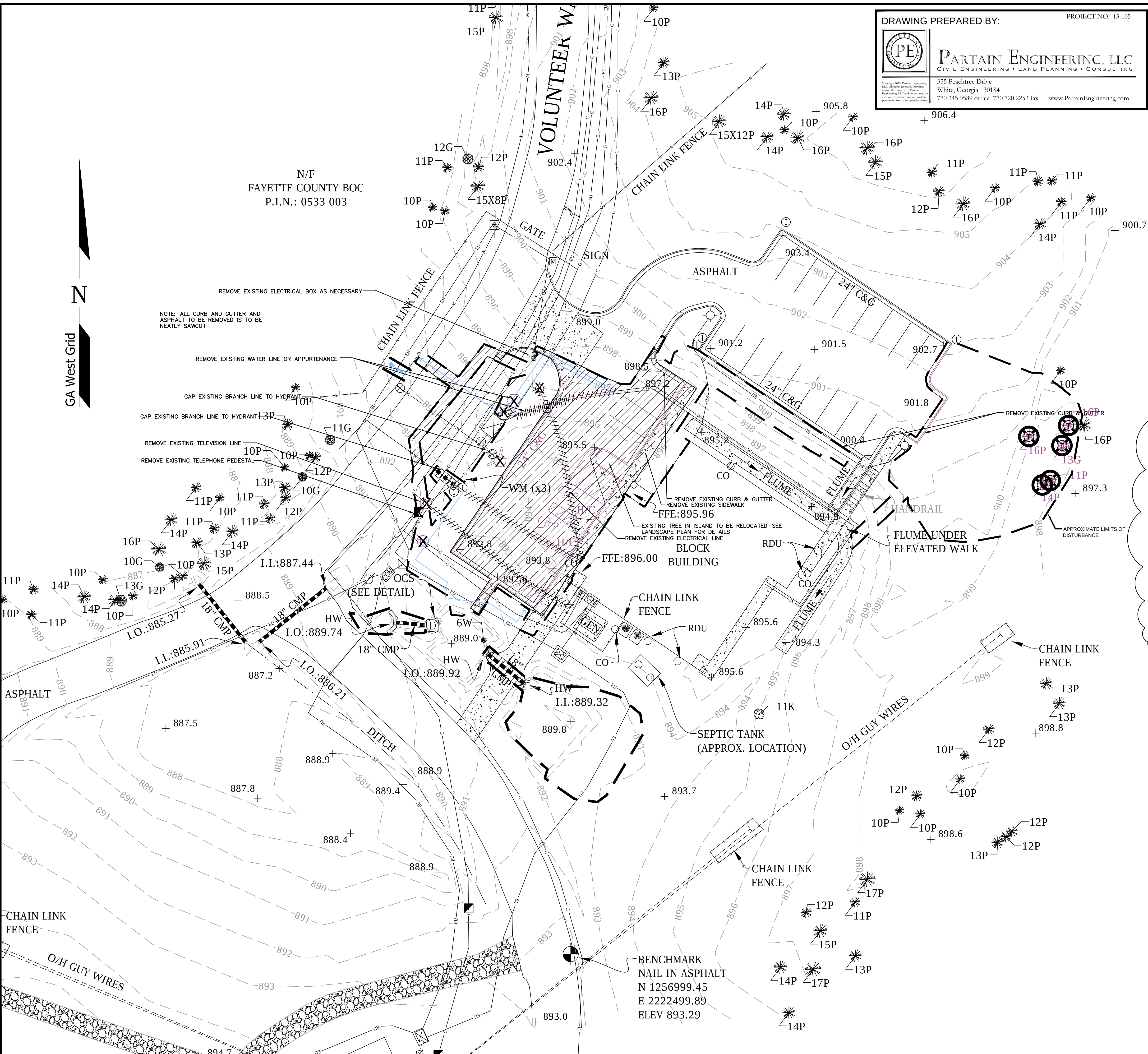
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EXISTING CONDITIONS
PLAN

Sheet No.

C101

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DRAWING PREPARED BY: PROJECT NO. 13-105

PARTAIN ENGINEERING, LLC
CIVIL ENGINEERING • LAND PLANNING • CONSULTING

355 Peachtree Drive
White, Georgia 30184
770.345.0589 office 770.720.2253 fax www.PartainEngineering.com

SITE INFORMATION

ADDRESS: 110 VOLUNTEER WAY
FAYETTEVILLE, GEORGIA 30215

SITE AREA: ±30 ACRES
DIST. AREA: ±0.46 ACRES
SITE ZONING: R-20
PROPOSED PROJECT: ADDITION TO BUILDING AND PARKING LOT

GRAPHIC SCALE

20 0 20 40

SCALE IN FEET
1 INCH = 20 FEET

24 HOUR EMERGENCY CONTACT
CHERYL ROGERS 770-320-6051

UTILITY DISCLAIMER

UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES ADJACENT TO OR WITHIN THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED WHEN NECESSARY FOR TIE-INS.

811

Know what's below.
Call before you dig.

CLEARING & DEMOLITION NOTES

- CONTRACTOR SHALL MAINTAIN ACCESS THROUGH PARKING LOT, AT ENTRANCES, AND TO EXISTING BUILDINGS. CONTRACTOR SHALL COORDINATE WITH OWNER IF ACCESS NEEDS TO BE DISRUPTED DURING CONSTRUCTION.
- SEE ELECTRICAL PLANS FOR NOTES AND SPECIFICATIONS REGARDING THE REMOVAL OF ANY SITE ELECTRICAL LINES, BOXES, POLES, ETC.
- ALL EXISTING SIDEWALK, PAVEMENT, HEADER CURB, AND/OR CURB & GUTTER, ETC., SHOWN TO BE REMOVED SHALL BE NEATLY SAWCUT & REMOVED.
- CLEAR & GRUB AREA WITHIN LIMITS OF DISTURBANCE FOR PROPOSED CONSTRUCTION UNLESS OTHERWISE NOTED.
- SEE ARCHITECTURAL PLANS FOR PORTIONS OF BUILDINGS THAT ARE SHOWN TO BE REMOVED.
- EXISTING SANITARY, STORM SEWER, GAS, WATER AND ANY OTHER SERVICE LINE AND/OR STRUCTURE SHOWN TO BE REMOVED SHALL NOT BE REMOVED UNTIL THE PROPOSED LINE IS INSTALLED, APPROVED AND OPERATIONAL.
- SEE ELECTRICAL PLANS FOR DETAILS OF REMOVAL OF ELECTRICAL LINES, STRUCTURES AND APPURTENANCES. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY AND BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH ELECTRICAL REMOVALS AND/OR RELOCATIONS.
- SEE MECHANICAL PLANS FOR SPECIFICATIONS AND DETAIL ASSOCIATED WITH THE REMOVAL OF MECHANICAL UNITS.
- ALL UTILITIES SHOWN TO BE PLUGGED & ABANDONED ARE TO ONLY BE PLUGGED AND ABANDONED AFTER THE PROPOSED UTILITY LINE IS INSTALLED, APPROVED, AND OPERATIONAL.

DEMOLITION LEGEND

- PAVEMENT, SIDEWALK, OR OTHER HARDSCAPE TO BE REMOVED
- BUILDING, UTILITY STRUCTURE, OR OTHER ITEM TO BE REMOVED
- SIGNIFICANT TREE TO BE REMOVED
- SPECIMEN TREE TO BE REMOVED
- UTILITY LINE OR WALL TO BE REMOVED

WAKEFIELD BEASLEY & ASSOCIATES

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Ponte Vedra Beach, Florida 32082
904 245 6365 TELEPHONE



FAYETTE COUNTY
EOC

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Revisions

Rev	Description
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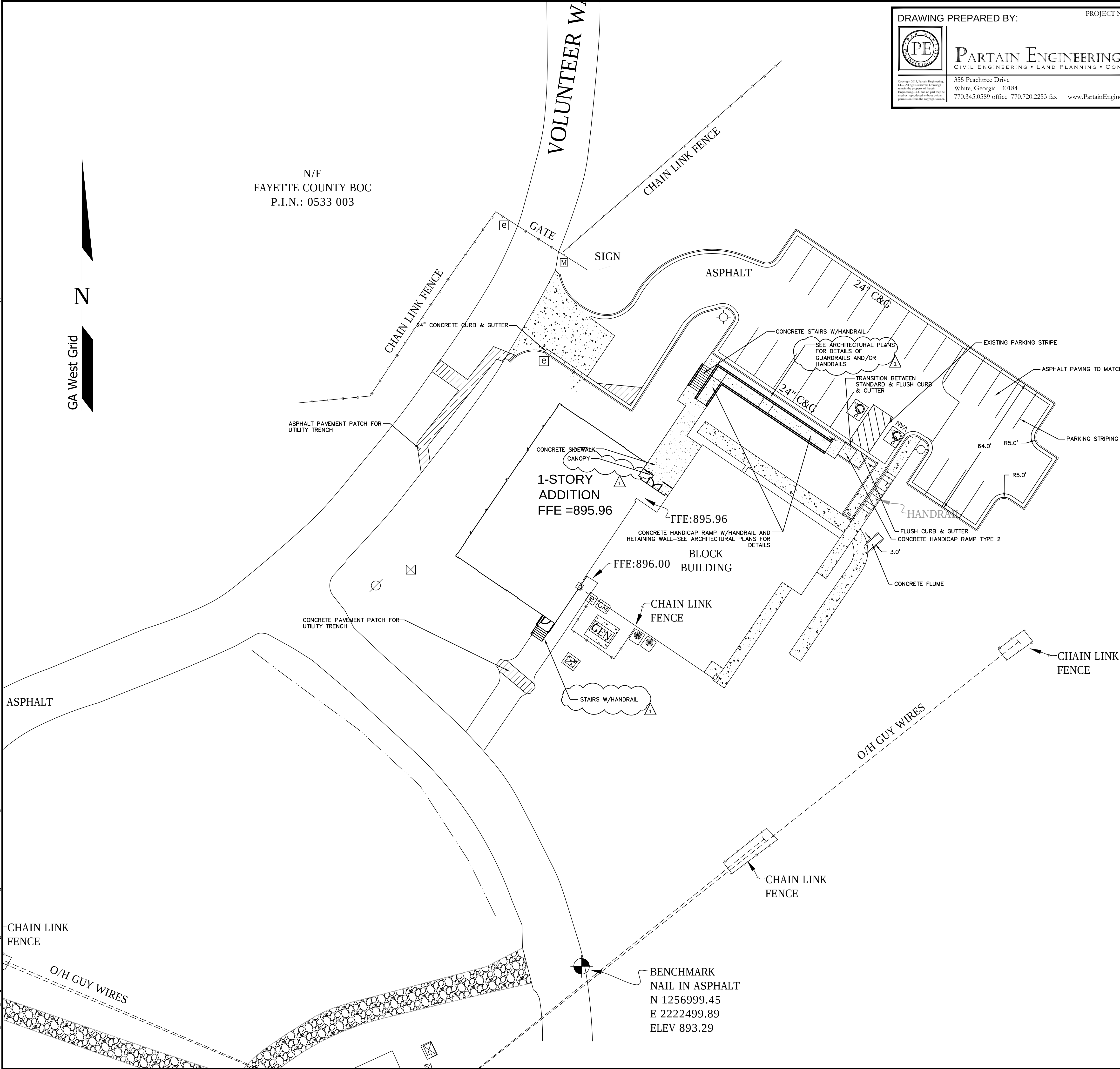
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Sheet No.	

C301

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Know what's below.
Call before you dig.

HANDICAP PARKING DETAIL
N.T.S.

PAVEMENT LEGEND

	HEAVY DUTY ASPHALT
	LIGHT DUTY ASPHALT
	HEAVY DUTY CONCRETE
	CONCRETE SIDEWALK
	PAVEMENT PATCH FOR UTILITY TRENCH

SITE NOTES

- BUILDING FOOTPRINT IS APPROXIMATE SEE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND DETAILS.
- ALL PROPOSED HANDICAP RAMPS AND STAIRS SHALL MEET THE REQUIREMENT OF ADA OR THE LOCAL AUTHORITY HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT. SEE ARCHITECTURAL PLANS FOR DETAILS OF STAIRS.
- TYPICAL SITE RADIUS IS 4'-FT UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR TO PROVIDE SMOOTH TRANSITION BETWEEN PROPOSED AND EXISTING INTERFACE OF SIDEWALK AND PAVING.
- ALL STRIPING IN THE RIGHT-OF-WAY TO BE PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS. ON-SITE STRIPING TO BE 4-INCHES IN WIDTH AND NON-THERMOPLASTIC.
- ALL IMPROVEMENTS SHOWN TO BE CONSTRUCTED IN THE RIGHT-OF-WAY ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.
- ALL RETAINING WALLS OVER 30-INCHES IN HEIGHT ARE TO HAVE A 42-INCH PEDESTRIAN GUARDRAIL ALONG THE TOP OF THEM. WHEN IN CLOSE PROXIMITY TO VEHICULAR TRAFFIC AREAS, A TRAFFIC GUARDRAIL IS TO BE PROVIDED.

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3/10/13 APPENDIX AND CLARIFICATIONS

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Sheet Title

SITE PLAN

Sheet No.

C401

N

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PER FAYETTE COUNTY STORMWATER MANAGEMENT THE FOLLOWING IS UNDERSTOOD:

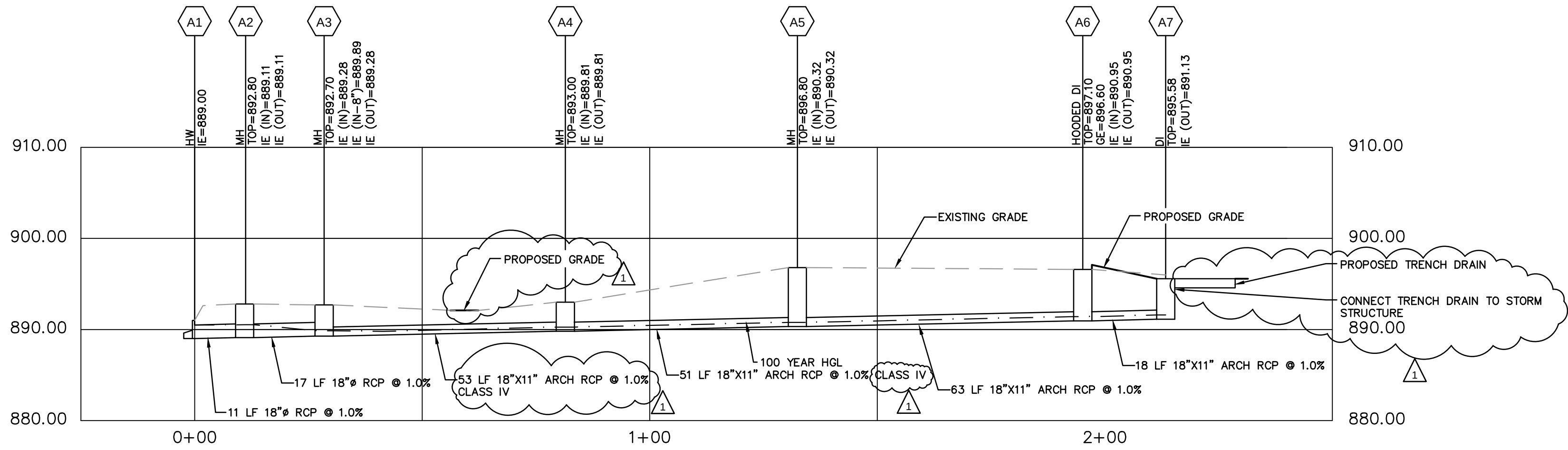
- NO IMPROVEMENTS ARE REQUIRED TO THE EXISTING STORMWATER DETENTION FACILITY.
- THE EXISTING PART OF THE POND AT THE OUTLET CONTROL STRUCTURE IS TO REMAIN UNDISTURBED AS MUCH AS POSSIBLE

HOWEVER, THE PROPOSED MODIFICATIONS ARE AS FOLLOWS:

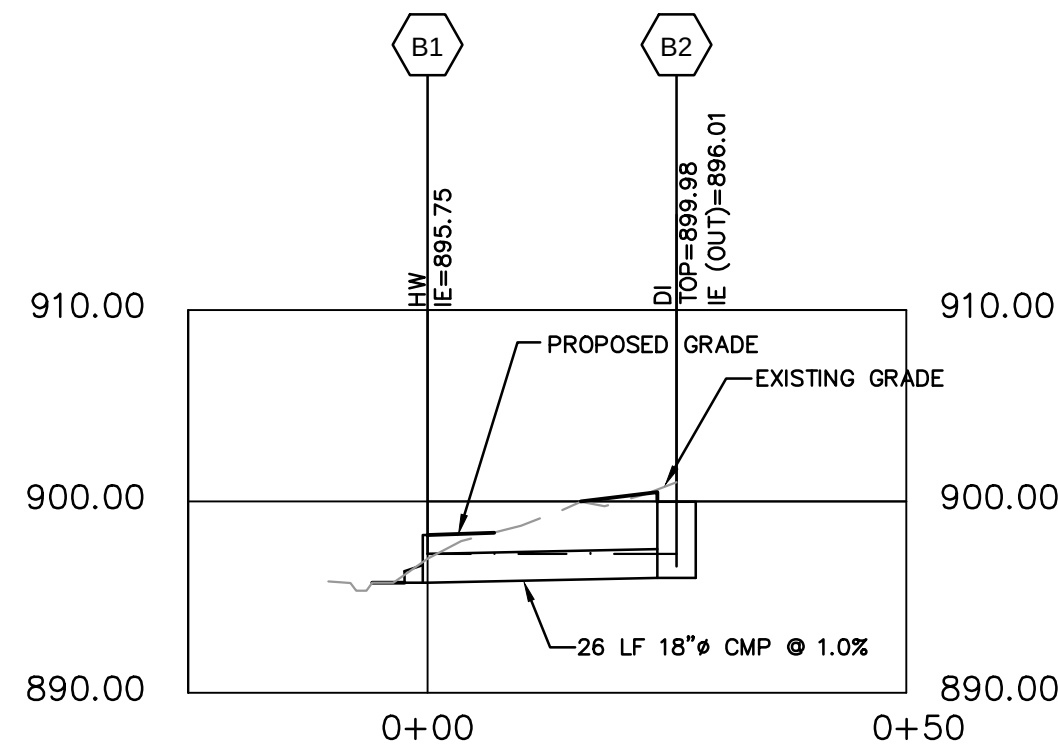
- EXCAVATE THE EASTERN POND AREA TO INCREASE THE POND STORAGE
- RE-INSTALL THE EXISTING PIPE FROM THE OUTLET CONTROL STRUCTURE AND CONNECT TO PIPE SYSTEM TO THE TWO POND AREAS TO PROVIDE POSITIVE DRAINAGE AS PER THE ORIGINAL DESIGN

C501

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NOTE: CLASS IV REINFORCED CONCRETE PIPE (RCP) IS NOTED IN SOME INSTANCES. ALL ARCH RCP SHALL CONFORM TO GADOT STANDARDS FOR TRAFFIC RATING.



STORM LINE B1-B2
SCALE: 1"=20' HOR.
1"=10' VERT.

STORM STRUCTURE LEGEND

ABBREVIATION	DESCRIPTION	GADOT STD. NO.
DI	DROP INLET	1019A TYPE "A"
HW	HEADWALL	1001B
HOODED DI	HOODED DROP INLET	1019A TYPE "E"
SWCB	SINGLE WING CATCH BASIN	1033D
DWCB	DOUBLE WING CATCH BASIN	1034D
W	WEIR INLET	1011A
MH	STORM MANHOLE	1011A
FES	FLARED END SECTION	1120
SSES-C,M	SAFETY SLOPE END SECTION- C=CONCRETE, M=METAL	1122
HW-ED	HEADWALL W/ENERGY DISSIPATION	1125
OCB	OUTLET CONTROL STRUCTURE	

PROFILE NOTES

- STORM SEWER PIPE IS TO BE EITHER:
 - CORRUGATED METAL (CMP), HELICAL, MIN. 12 GAUGE, ALUMINIZED TYPE-2, PER GADOT STD 1030D
 - REINFORCED CONCRETE (RCP), CLASS III, PER GADOT STD 1030D
 - HIGH DENSITY POLYETHYLENE (HDPE) ADVANCED DRAINAGE SYSTEMS N-12, SMOOTH/DUAL WALL CORRUGATED PIPE OR APPROVED EQUIVALENT UNLESS OTHERWISE NOTED
- ALL DIMENSIONS ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. CONTRACTOR TO VERIFY ALL DIMENSIONS BEFORE ORDERING PIPES AND STRUCTURES.
- ALL FILL PLACED AROUND PIPES IS TO BE COMPACTED TO 98% STANDARD PROCTOR.
- CONTRACTOR TO FIELD VERIFY ALL PROPOSED TIE-IN POINTS AND THE PRESENCE OF ANY CONFLICTS WITH OTHER UTILITIES BEFORE ORDERING MATERIALS. ANY CONFLICTS OR DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS ARE TO IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

DRAWING PREPARED BY:

PROJECT NO. 13-105



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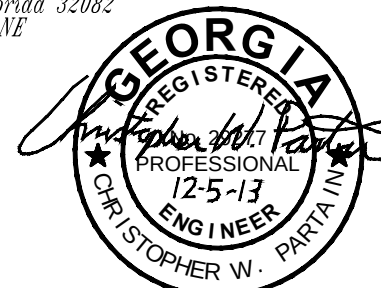
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PROFILES

Sheet No.

C701

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TABLE 6-5.2

PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

SPECIES	BROADCAST RATES 1/ - PLS 2/		RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS
	PER ACRE	PER 1000 sq. ft.		PLANTING DATES												
				(Solid lines indicate optimum dates dotted lines indicate permissible but marginal dates.)												
				J	F	M	A	M	J	J	A	S	O	N	D	
BAHIA, PENSACOLA (Paspalum notatum)			P													166,000 seed per pound. Low growing. Sod forming. Slow establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
alone or with temporary cover	60 lbs	1.4 lb	C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
with other perennials	30 lbs	0.7 lb		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
BAHIA, WILMINGTON (Paspalum notatum)			M-L	J	F	M	A	M	J	J	A	S	O	N	D	Same as above
alone or with temporary cover	60 lbs	1.4 lb	P	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
with other perennials	30 lbs	0.7 lb		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
BERMUDA, COMMON (Cynodon dactylon)			P													1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields
Hulled seed	10 lbs	0.2 lb	C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
alone				.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
with other perennials	6 lbs	0.1 lb		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

Ds3 DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS NOT SHOWN HERE.

TABLE 6-5.2 continued

PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

SPECIES	BROADCAST RATES 1/ - PLS 2/		RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS	
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				J	F	M	A	M	J	J	A	S	O	N	D		
BERMUDA, COMMON (Cynodon dactylon) Unhulled seed with temporary cover	10 lbs	0.2 lb	P														Plant with winter annuals
			C														
	with other perennials	6 lbs	0.1 lb														
				J	F	M	A	M	J	J	A	S	O	N	D		
BERMUDA SPRIGS (Cynodon dactylon) Coastal, Common, Midland, or Tift 44 Coastal, Common, or Tift 44 Tift 78	40 cu. ft	0.9 cu. ft.	M-L			.....			.....								A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 sprigs.
	or sod plugs 3' x 3'																
			P														
			C														
			C														
																	Southern Coastal Plain only
CENTIPEDE (Eremochloa ophiuroides)	Block sod only		P														Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far north as Athens and Atlanta.
		C															

Ds3 DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

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PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

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	PER ACRE	PER 1000 sq. ft.		(Solid lines indicate optimum dates dotted lines indicate permissible but marginal dates.)												
				J	F	M	A	M	J	J	A	S	O	N	D	
CROWNVELTCH (Coronilla varia)	15 lbs	0.3 lb	M–L P													100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose pink, and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate seed with M inoculant. Use from North Atlanta and Northward
FESCUE, TALL (Festuca arundinacea)				J	F	M	A	M	J	J	A	S	O	N	D	
alone	50 lbs.	1.1 lb.	M–L P													227,000 seed per pound. Use alone only on better sites. Not for droughty soils. Mix with perennial lespedezas or Crownvelatch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs.	0.7 lb.		J	F	M	A	M	J	J	A	S	O	N	D	
KUDZU (Pueraria thumbergiana)	3' – 7'– apart		ALL													Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.
plants or crowns																

Ds3 DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

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				J	F	M	A	M	J	J	A	S	O	N	D	
ESPEDEZA SERICEA (Lespedeza cuneata)																350,000 seed per pound. Widely adapted. Low maintenance. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant
scarified	60 lbs.	1.4 lb.	M–L P C													
unscarified	75 lbs.	1.7 lb.	M–L P C													Mix with Tall fescue or winter annuals.
seed-bearing hay	3 tons	138 lbs.	M–L P C													Cut when seed is mature, but before it shatters. Add Tall fescue or winter annuals.

Ds3 DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

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PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

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				J	F	M	A	M	J	J	A	S	O	N	D	
LESPEDEZA																
Ambro virgata (Lespedeza virgata DC) or Appalo (Lespedeza cuneata (Dumont) G. Don) scarified	60 lbs	1.4 lb	M-L P C													300,000 seed per pound. Height of growth is 18 to 24 inches. Adventageous in urban areas. Spreading-type growth. New growth has bronze coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix Sericeo lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C													
LESPEDEZA, SHRUB (Lespedeza bicolor) (Lespedeza thumbergii) plants	3' x 3'		M-L P C													Provide wildlife food and cover
LOVEGRASS, WEEPING (Eragrostis curvula)				J	F	M	A	M	J	J	A	S	O	N	D	
alone	4 lbs	0.1 lb	M-L P C													1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericeo lespedeza on roadbanks
with other perennials	2 lbs	0.05 lb														

Ds3 DISTURBED AREA STABILIZATION
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	PER ACRE	PER 1000 sq. ft.		(Solid lines indicate optimum dates dotted lines indicate permissible but marginal dates.)													
				J	F	M	A	M	J	J	A	S	O	N	D		
MAIDENCANE (Panicum hermitomon) sprigs	2' x 3' spacing		ALL	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	FOR VERY WET SITES. MAY CLOG CHANNELS. DIG SPRIGS FROM LOCAL SOURCES. USE ALONG RIVER BANKS AND SHORELINES.	
PANICGRASS, ATLANTIC COASTAL (Panicum amarum var. amarulum)	20 lbs	0.5 lb	P C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
REED CANARY GRASS (phalaris arundinacea) alone	50 lbs	1.1 lb	M-L P	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	GROWS SIMILAR TO TALL FESCUE.	
with other perennials	30 lbs	0.7 lb		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
SUNFLOWER 'AZTEC' MAXIMILLIAN (Helianthus maximiliani)	10 lbs	0.2 lb	M-L P C													227,000 SEED PER POUND. MIX WITH WEEPING LOVEGRASS OR OTHER LOW-GROWING GRASSES OR LEGUMES.	

Ds3 DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGETATION)

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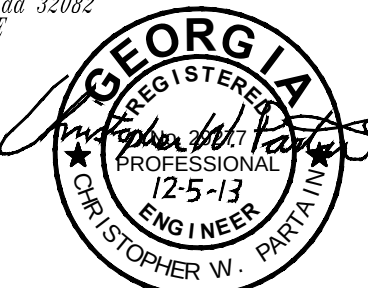
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△ 2/02/13 ADDENDUM AND CLARIFICATIONS

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2/013-09-23

1207007000

Sheet Title

ESPC DETAILS

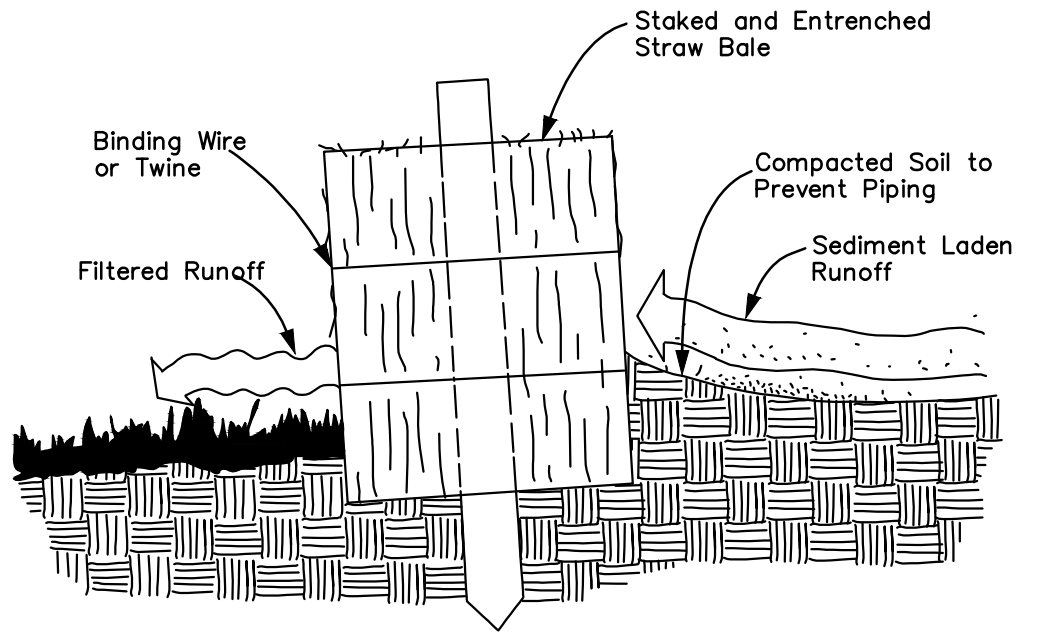
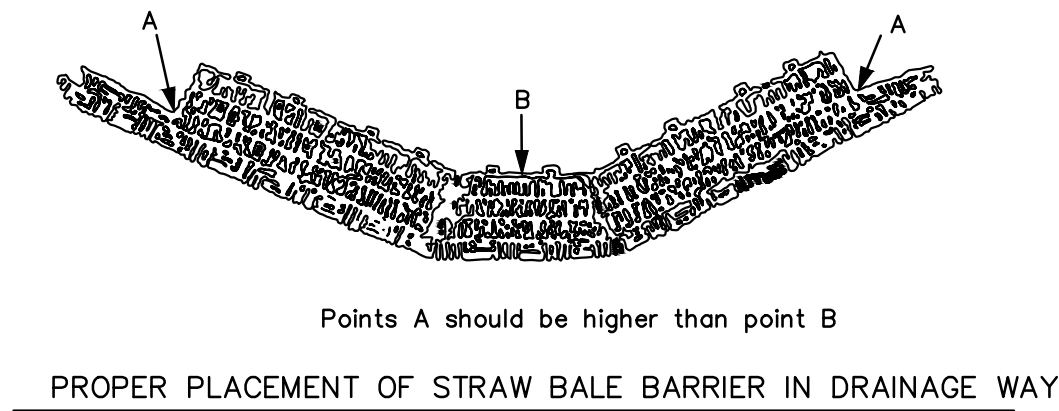
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C800

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PROJECT

FILENAME: C:\PEInc\Projects\13-105 Design\13-105.dwg PLOTTER: PDF995.PC3 PLOTTER: ARCH E1 PAPER SIZE: ARCH E1 PLOT SCALE: 1 PLOT TIME/DATE: Thursday, December 05, 2013 4:42:11 PM LAST SAVE: 12/5/2013 3:00 PM PLOTTED BY: Chris

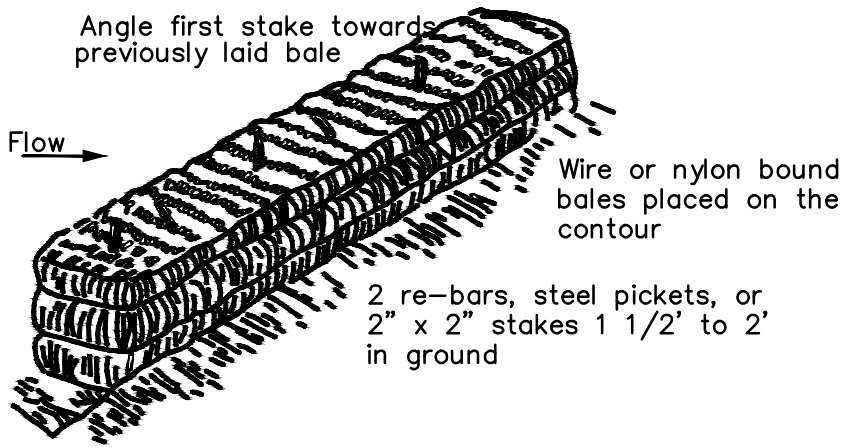
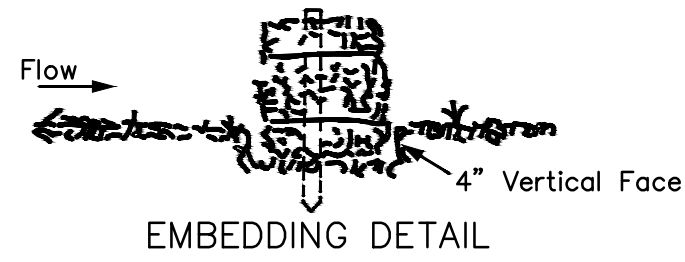


Note: Embed hay bales a minimum of 4 inches.

CROSS-SECTION OF A PROPERLY INSTALLED STRAW BALE

Sd1-Hb HAY BALE SEDIMENT BARRIER

N.T.S.

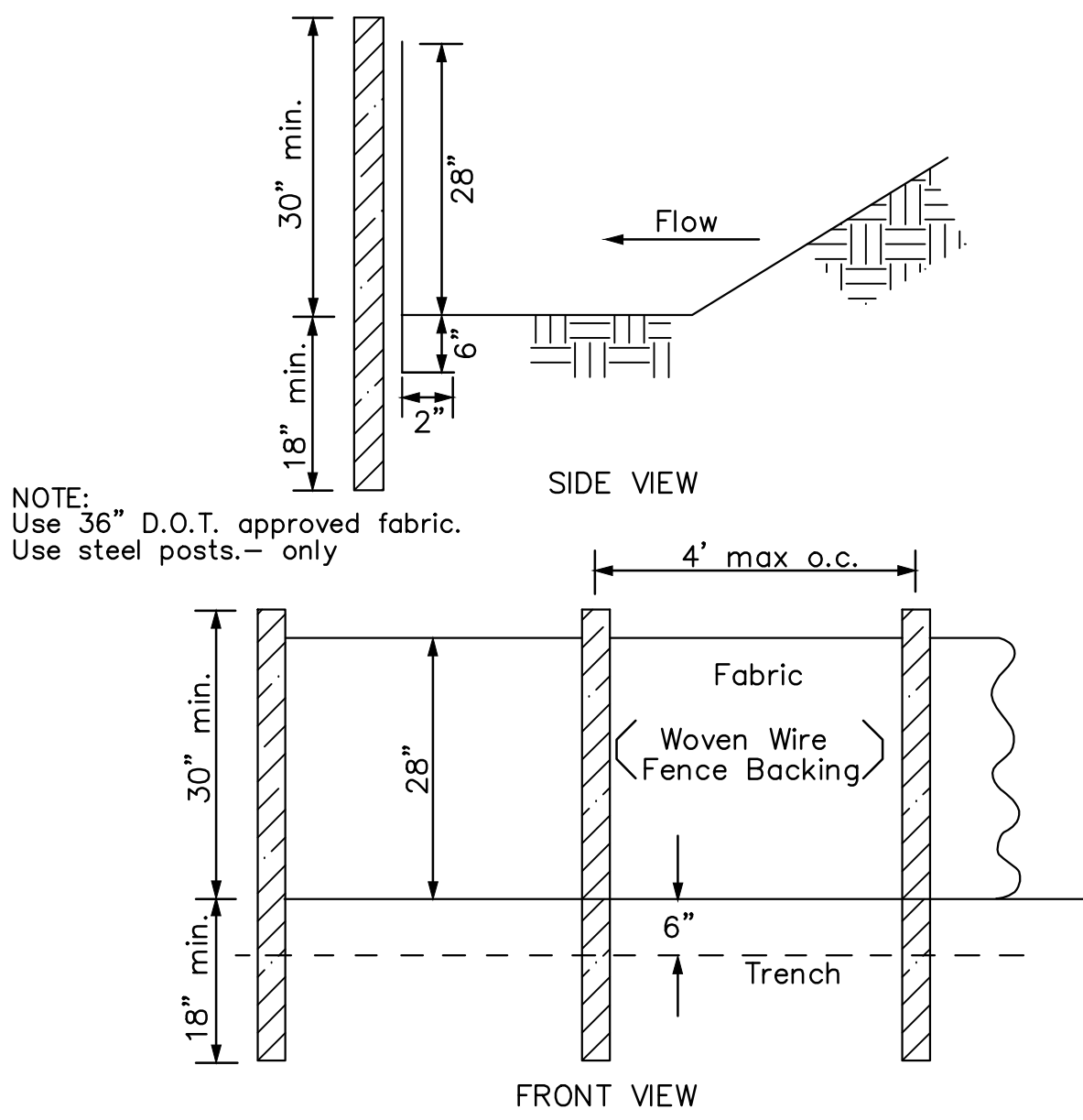


ANCHORING DETAIL

- NOTE:
- Anchor and embed into soil to prevent washout or water working under barrier
 - Repair or replacement must be made promptly as needed

Sd1-Hb HAY BALE SEDIMENT BARRIER

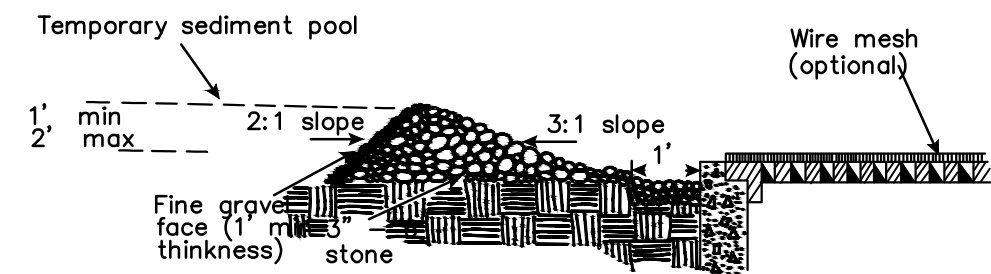
N.T.S.



NOTE:
Use 3/8" D.O.T. approved fabric.
Use steel posts - only

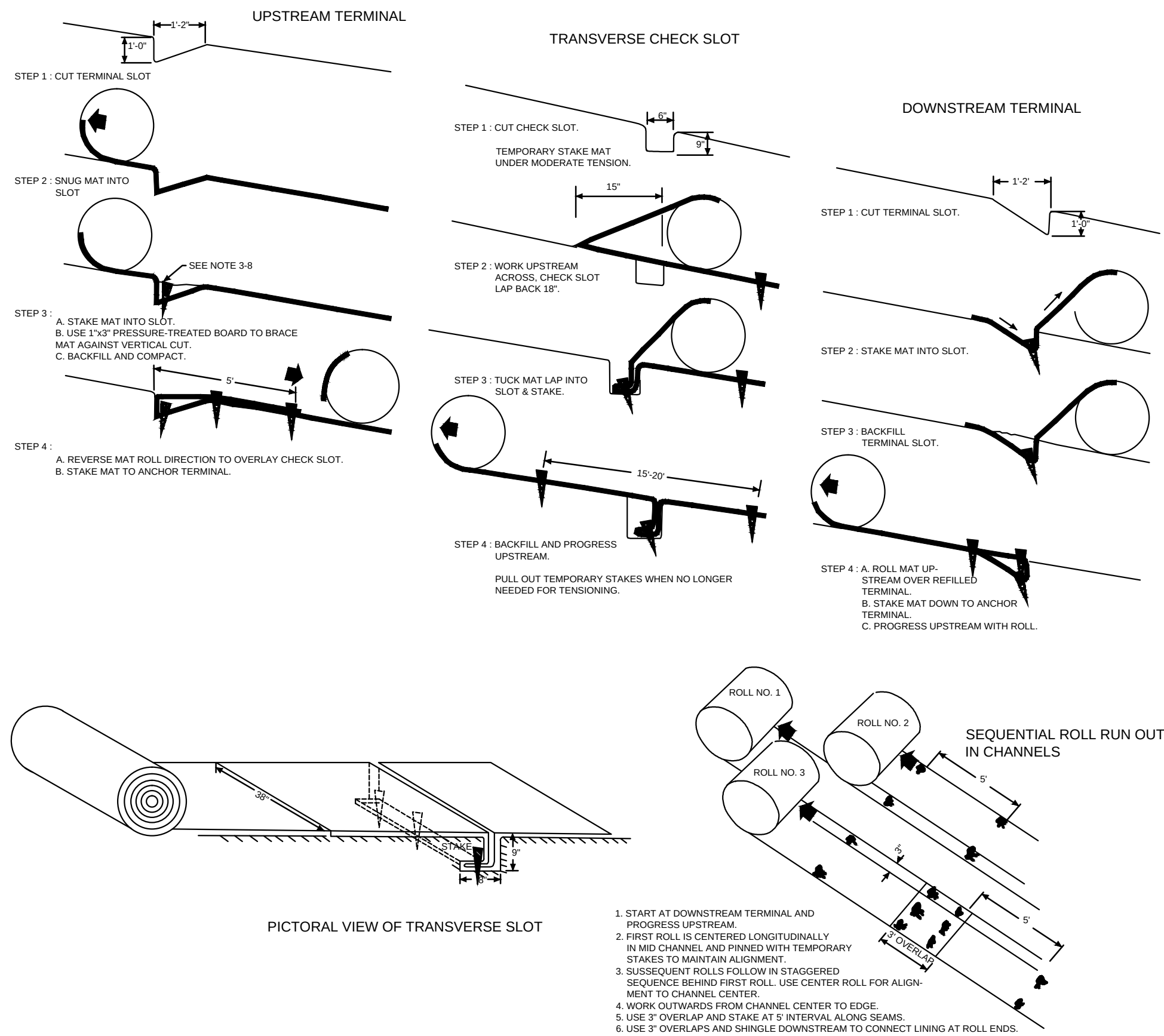
Sd1-C SILT FENCE TYPE C

N.T.S.



Sd2-G INLET SEDIMENT TRAP GRAVEL

N.T.S.



Mb MATTING AND BLANKETS

N.T.S.

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS NOT SHOWN HERE.

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ASSOCIATES

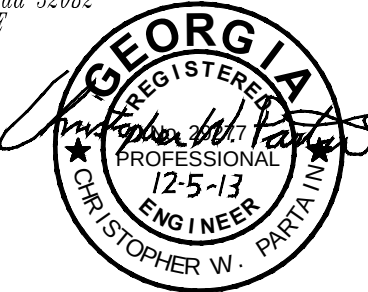
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2/10/13 ADDENDUM AND CLARIFICATIONS

Date 2/13-09-23 Job No. 1201007000

Sheet Title

ESPC DETAILS

Sheet No.

C802

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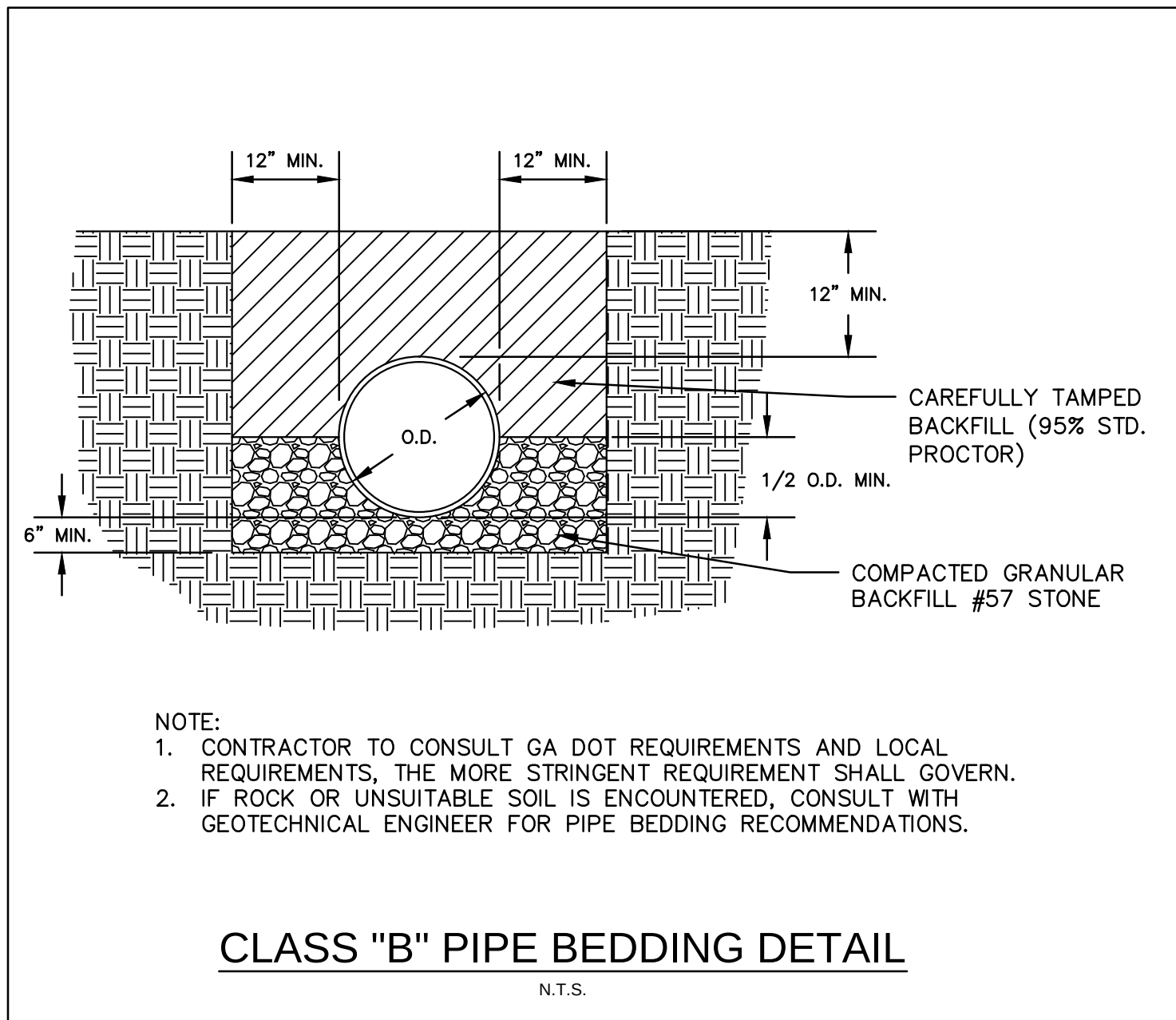
PROJECT NO. 13-105



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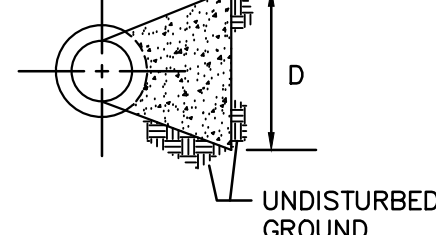


CLASS "B" PIPE BEDDING DETAIL

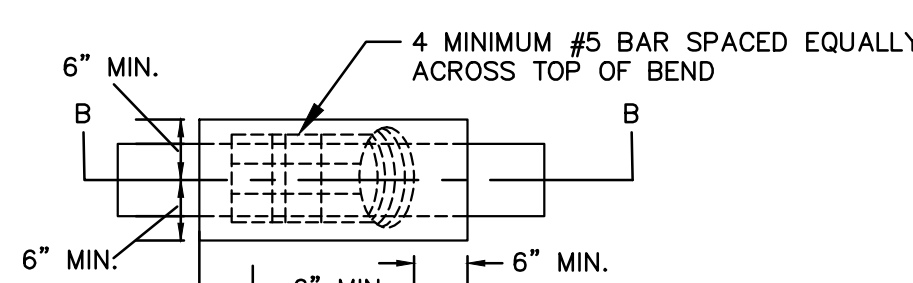
- HORIZONTAL THRUST DETAIL
N.T.S. (1)



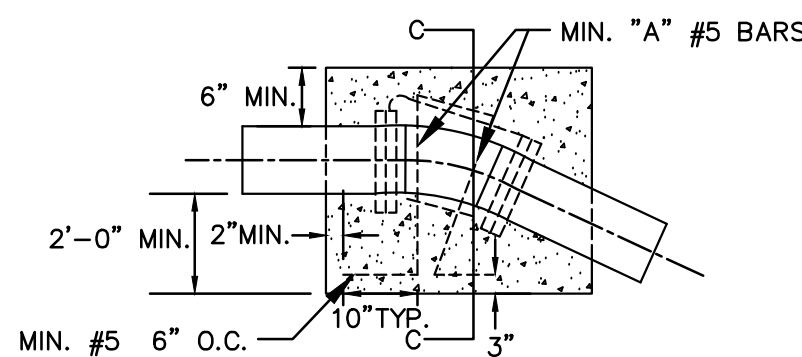
SECTION A-A
N.T.S.



UPWARD THRUST DETAIL
N.T.S. (2)



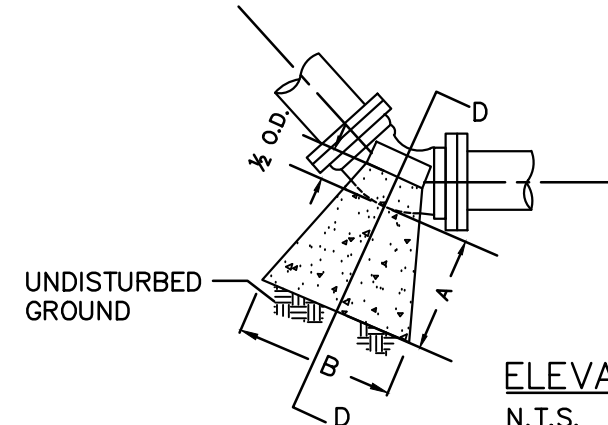
PLAN VIEW
N.T.S.



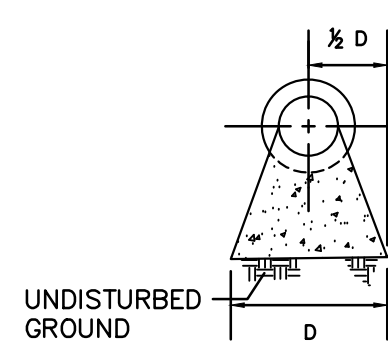
SECTION B-B
N.T.S.



SECTION C-C
N.T.S.



ELEVATION
N.T.S.



SECTION D-D
N.T.S.

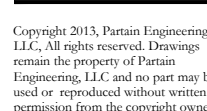
DIMENSIONS FOR CONCRETE BLOCKING						
FOR BENDS—DOWNWARD THRUST						
BEND	SIZE	A (FT)	B (FT)	C (IN)	D (FT)	VOLUME (CU. YD.)
11 ¼"	6"	1.0	2.0	7"	1.0	0.04
	8"	1.0	2.0	7"	1.0	0.05
	12"	1.0	2.0	11"	2.0	0.1
	16"	2.0	3.0	15"	2.0	0.3
	20"	2.0	3.0	19"	3.0	0.5
22 ½"	6"	1.0	2.0	7"	1.0	0.05
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
	16"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	3.0	1.0
45°	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	3.0	0.7
	16"	3.0	5.0	15"	4.0	1.4
	20"	4.0	8.0	19"	5.0	2.8
90°	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
	12"	4.0	6.0	11"	4.0	2.1
	16"	4.0	7.0	15"	5.0	3.1
	20"	5.0	8.0	19"	7.0	5.3

DIMENSIONS FOR CONCRETE BLOCKING—HORIZONTAL THRUST ①						
BEND	SIZE	A (FT)	B (FT)	C (IN)	D (FT)	VOLUME (CU. YD.)
11 ½"	6"	1.0	2.0	7"	1.0	0.04
	8"	1.0	2.0	7"	1.0	0.05
	12"	1.0	2.0	11"	2.0	0.1
	18"	2.0	3.0	15"	2.0	0.3
	20"	2.0	3.0	19"	3.0	0.5
22 ½"	6"	1.0	2.0	7"	1.0	0.05
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
	18"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	3.0	1.0
45"	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	3.0	0.7
	18"	3.0	5.0	15"	4.0	1.4
	20"	4.0	6.0	19"	5.0	2.6
90"	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
	12"	4.0	6.0	11"	4.0	2.1
	18"	4.0	7.0	15"	5.0	3.1
	20"	5.0	8.0	19"	7.0	5.3
	6"	1.5	2.0	7"	1.75	0.13
	8"	2.0	3.0	7"	3.0	0.3
	12"	2.0	4.0	11"	4.0	0.8
	18"	3.0	5.0	15"	5.0	1.5
	20"	4.0	7.0	19"	6.0	3.9

CONCRETE REQUIRED TO RESIST			
UPWARD THRUST			
BEND	SIZE	VOLUME (CU. YD.)	"A" NO. OF VERT BARS REQ'D.
11 ¼"	6"	0.3	2
	8"	0.5	2
	12"	1.4	2
	16"	2.4	3
	20"	3.8	3
22 ½"	6"	0.7	2
	8"	1.2	2
	12"	2.7	2
	16"	4.6	3
	20"	7.4	3
45"	6"	1.2	2
	8"	2.2	2
	12"	4.9	2
	16"	8.8	3
	20"	13.7	3
90"	6"	1.8	2
	8"	3.1	2
	12"	7.0	3
	16"	12.4	3
	20"	19.4	4

THRUST BLOCKING DETAIL
NOT TO SCALE

PROJECT NO. 13-105



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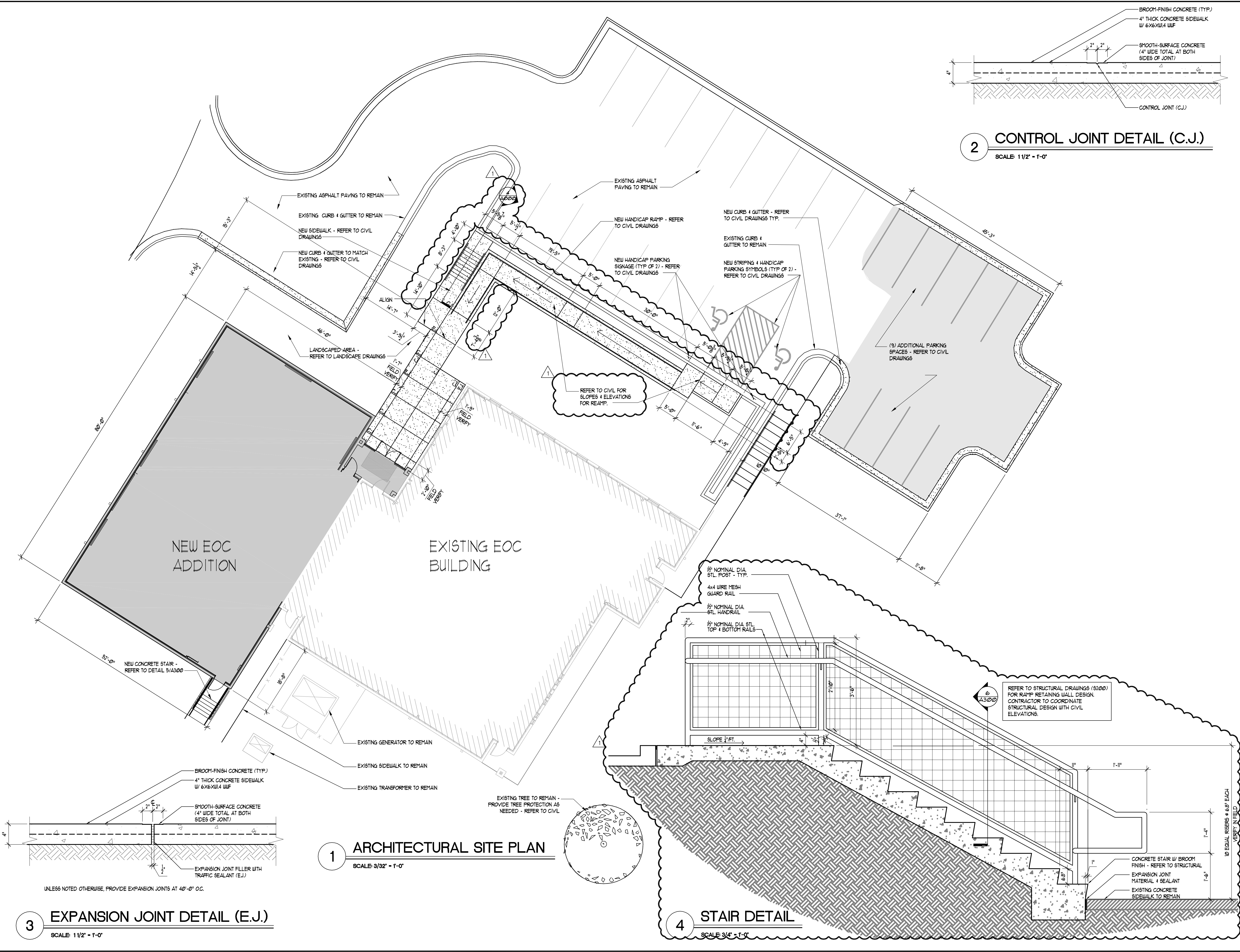
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FILENAME: I:\Municipal\Studio\03 Projects\2012\1270707000 - Fayette County EOC\3-Civil\A-000 PLAZA PLANNING PAPER: SIZE ARCH E1 PLOTTED BY: Whitney Regan PLOT TIME/DATE: Thursday, December 05, 2013 11:38:05 AM



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2/2/13-09-23

Job No.

1207007000

Sheet Title

ARCHITECTURAL
SITE PLAN

Sheet No.

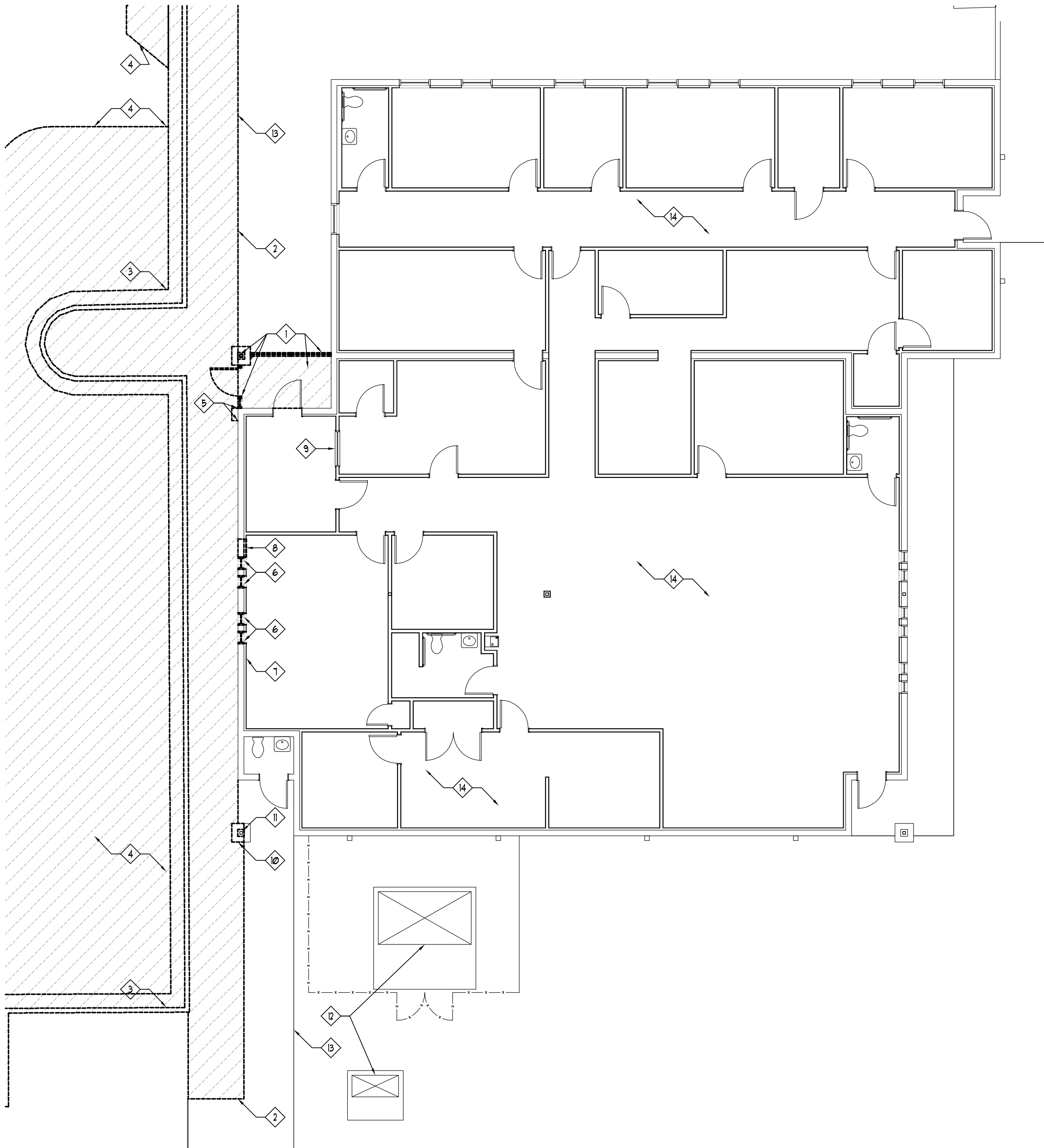
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FOR CONSTRUCTION

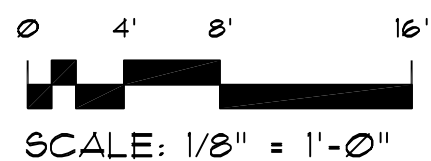
- DEMO GENERAL NOTES:
1. REMOVED, SALVAGED AND NEW MATERIAL(S) AND EQUIPMENT(S) SHALL BE STORED ON SITE AND AS DIRECTED BY THE OWNER.
 2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO ORDERING OR FABRICATING MATERIALS OR OTHERWISE PROCEEDING WITH THE WORK.
 3. PROVIDE LABOR, MATERIAL, EQUIPMENT AND SERVICES REQUIRED TO EXECUTE AND COMPLETE ALL ITEMS OF WORK AS SHOWN OR INDICATED ON THE DRAWINGS AND AS SPECIFIED, INCLUDING INCIDENTAL ITEMS TO EFFECT A FINISHED AND COMPLETE JOB, EVEN THOUGH SUCH ITEMS ARE NOT SHOWN OR PARTICULARLY MENTIONED.
 4. MAINTAIN PREMISES AND PUBLIC PROPERTIES FREE FROM ACCUMULATIONS OR WASTE MATERIALS, DEBRIS AND RUBBISH CAUSED BY CONSTRUCTION OPERATIONS. PERFORM DAILY CLEANUP.
 5. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR BRACING AND SHORING OF THE STRUCTURE DURING CONSTRUCTION TO ENSURE STABILITY.
 6. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION AND QUALITY (AS APPROVED BY THE ARCHITECT, ENGINEER, UTILITY REPRESENTATIVE AND/OR APPLICABLE OWNER REPRESENTATIVE) ALL SITE APPURTENANCES DAMAGED AT NO ADDITIONAL COST TO THE OWNER.
 7. CONTRACTOR TO SAW OUT WALLS AND FLOORS AT TRANSITIONS OF SCHEDULED DEMOLITION TO PROVIDED A CLEAN EDGE FOR FUTURE WORK.
 8. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERING ANY UNFORESEEN 'UNKNOWN'S' FOR FURTHER DIRECTION PRIOR TO PROCEEDING WITH FURTHER WORK.
 9. AFTER COMPLETION OF WORK, DEMOLITION AND ALL NEW ADDITIONAL MATERIALS REMAINING DUE TO CONSTRUCTION (UNLESS NOTED OTHERWISE IN DUGS OR SPECIFICATIONS) SHALL BECOME THE PROPERTY OF THE GENERAL CONTRACTOR AND SHALL BE DISPOSED OF/REMOVED FROM THE SITE IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS UNLESS NOTIFIED OTHERWISE (INCLUDING BUT NOT LIMITED TO SURPLUS STOCK MATERIALS FOR FUTURE REPLACEMENTS SUCH AS PAINT, TILES, ETC.) CONTRACTOR SHALL ALSO REMOVE ALL WASTE DEBRIS, RUBBISH, TOOLS, AND EQUIPMENT UPON COMPLETION OF WORK. THROUGHOUT CONSTRUCTION, SITE SHALL BE ORGANIZED AND CLEANED BY CONTRACTOR ON A DAILY BASIS.
 10. RELOCATE ANY AND ALL EXISTING UTILITIES IN AFFECTED DEMOLITION SCHEDULED TO BE REUSED TO AREAS SCHEDULED AS NEW OR REMAINING ADJACENT AREAS.
 11. CONTRACTOR SHALL PROTECT ALL PORTIONS SCHEDULED TO REMAIN / NOT SCHEDULED FOR DEMOLITION. CONTRACTOR SHALL REPAIR/REPLACE ANY AND ALL DAMAGED OR REMOVED ENTITIES NOT SCHEDULED FOR DEMOLITION TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
 12. CONTRACTOR TO PROVIDE TEMP WALLS AND/OR DUST BARRIERS TO ISOLATE WORK FROM OPERATIONAL AREAS OF THE BUILDING. COORDINATE WITH OWNER.
 13. PROTECT ALL AREAS SCHEDULED TO REMAIN. CONTRACTOR SHALL RESTORE ANY AND ALL DAMAGED AREAS SCHEDULED TO REMAIN THRU DEMOLITION AND CONSTRUCTION PHASES TO ORIGINAL LIKE NEW CONDITION.
 14. REFER TO ENGINEERS DEMOLITION SHEETS FOR BALANCE OF NOTES.
 15. REUSE/CLEAN ANY DEMOLISHED CMU AS NEEDED FOR WALL REPAIR & NEW CMU WALL INFILL AREAS.
 16. GC TO PROVIDE SECURED CONSTRUCTION SITE DURING DEMOLITION AND CONSTRUCTION TO PREVENT ANY/ALL PUBLIC ACCESS. SITE WILL BE SECURED WITH PADLOCK AND KEY.
 17. THE EXISTING FACILITY IS "ESSENTIAL" TO GOVERNMENT SERVICES AND MUST REMAIN OPERATIONAL WITHOUT INTERRUPTION THROUGHOUT THE ENTIRETY OF THE CONSTRUCTION PROCESS.
 18. THE GC MUST INSURE CONTINUED, SAFE ACCESS TO AND FROM THE EXISTING STRUCTURE.
 19. ANY CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO DISRUPTION OF UTILITIES, EXCESSIVE NOISE, EXCESSIVE DUST & DEBRIS, DELIVERIES OF MATERIALS, ETC. WHICH MAY INTERFERE WITH THE DAILY OPERATIONS OF THE EXISTING FACILITY, MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE A MINIMUM OF 48 HOURS PRIOR TO THE START OF SAID CONSTRUCTION ACTIVITIES.

- DEMO PLAN NOTES:
- 1 DEMO EXISTING VESTIBULE IN ITS ENTIRETY INCLUDING STOREFRONT WINDOWS, DOOR & FRAME, CMU COLUMN WRAP, STEEL COLUMN, CONCRETE SLAB, CONCRETE FOOTING, METAL ROOF, ROOF FLASHING, AND CEILING AS INDICATED. CLEAN & REPAIR ADJACENT CMU TO REMAIN AS NEEDED TO CREATE A UNIFORM APPEARANCE.
 - 2 DEMO PORTION OF CONCRETE SIDEWALK AS INDICATED - REFER TO CIVIL DRAWINGS.
 - 3 DEMO PORTION OF CONCRETE CURB & GUTTER AS INDICATED - REFER TO CIVIL DRAWINGS.
 - 4 DEMO PORTION OF ASPHALT PAVEMENT AS INDICATED - REFER TO CIVIL DRAWINGS.
 - 5 SAW-CUT & DEMO PORTION OF CMU PILASTER AS INDICATED. CLEAN & REPAIR CMU AS NEEDED TO RECEIVE NEW EXPANSION JOINT SYSTEM.
 - 6 DEMO EXISTING WINDOWS & FRAMES AS INDICATED, PREP OPENING TO RECEIVE NEW CMU INFILL WITH METAL STUDS & GYP. BD. TO MATCH ADJACENT SURFACES.
 - 7 PREP. & REPAIR EXISTING WALL & ADJACENT FINISHES TO RECEIVE NEW WORK.
 - 8 DEMO NEW OPENING FOR NEW DOOR. REFER TO STRUCTURE FOR LINTEL SIZE. SEE CONSTRUCTION PLAN.
 - 9 DEMO NEW OPENING FOR TRANSACTION DRAWER BELOW EXISTING WINDOW TO REMAIN. COORDINATE WITH NEW WORK.
 - 10 DEMO PORTION OF EXISTING CMU COLUMN WRAP. CLEAN, REPAIR, & SAVE CMU AS NEEDED FOR NEW CMU PILASTER. COORDINATE WITH NEW WORK.
 - 11 EXISTING STEEL COLUMN & CONCRETE FOOTING TO REMAIN. PREPARE TO RECEIVE NEW WORK.
 - 12 EXISTING PAD MOUNTED GENERATOR & TRANSFORMER TO REMAIN.
 - 13 EXISTING CONCRETE SIDEWALK TO REMAIN. COORDINATE WITH CIVIL & NEW WORK.
 - 14 EXISTING AREA TO REMAIN UNDISTURBED.

- LEGEND:
- ===== DEMOLISH
 - ===== TO REMAIN
 - DEMOLISH DOOR AND FRAME
 - DOOR AND FRAME TO REMAIN



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



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Date 2/20/13-03-23 Job No. 1207007000

Sheet Title

DEMOLITION
PLAN

Sheet No.

A-100

FOR CONSTRUCTION



Envelope Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: Addition

Project Title: Fayette County EOC Addition

Construction Site:
110 Volunteer Way
Fayetteville, GA 30215

Owner/Agent:
Thomas Bartlett
Fayette County
140 Stonewall Avenue West
Fayetteville, GA 30215
770-305-5165

Designer/Contractor:
Jennifer Franklin
Wakefield Beasley & Associates
5155 Peachtree Parkway
Building 300, Suite 3202
Norcross, GA 30092
770-209-9393
jfranklin@wbassociates.com

Section 2: General Information

Building Location (for weather data):
Climate Zone:
Building Space Conditioning Type(s):
Vertical Glazing / Wall Area Pct.:

Fayetteville, Georgia
3a
Nonresidential
8%

Activity Type(s)
Police/Fire Station

Floor Area
4166

Section 3: Requirements Checklist

Envelope PASSES - Design 1% better than code

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(s)
Roof 1: Insulation Entirely Above Deck	4166	---	20.0	0.048	0.048
Exterior Wall 1: Concrete Block-8" Solid Grouted/Medium Density	3546	0.0	13.0	0.062	0.123
Furring: Metal	157	---	---	1.300	0.800
Window 1: Metal Frame Curtain Wall/Storefront/Double Pane with Low-E, Clear, SHGC 0.36, PF 0.33	42	---	---	1.300	0.900
Door 1: Glass (> 50% glazing)/Metal Frame, Entrance Door, SHGC 0.36, PF 0.33	3546	---	10.0	---	---
Floor 1: Slab-On-Grade/Unheated, Horizontal with vertical 2 ft.	3546	---	10.0	---	---

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ☐ 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- ☐ 2. Windows, doors, and skylights certified as meeting leakage requirements.
- ☐ 3. Component R-values & U-factors labeled as certified.
- ☐ 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
- ☐ 5. 'Other' components have supporting documentation for proposed U-factors.
- ☐ 6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.

Project Title: Fayette County EOC Addition
Data filename: I:\Municipal\Municipal Studio\03 Projects\2012\1207007000 - Fayette County EOC\1-PROJECT_DATA\Project Criteria\ComCheck Report for Envelope.cck
Report date: 09/20/13
Page 1 of 2

- ☐ 7. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
- ☐ 8. Cargo doors and loading dock doors are weather sealed.
- ☐ 9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
- ☐ 10. Building entrance doors have a vestibule equipped with self-closing devices.
Exceptions:
 - ☐ Building entrances with revolving doors.
 - ☐ Doors not intended to be used as a building entrance.
 - ☐ Doors that open directly from a space less than 3000 sq. ft. in area.
 - ☐ Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
 - ☐ Doors opening directly from a sleeping/dwelling unit.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2009 IECC requirements in COMcheck Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title
Signature
Date

Project Title: Fayette County EOC Addition
Data filename: I:\Municipal\Municipal Studio\03 Projects\2012\1207007000 - Fayette County EOC\1-PROJECT_DATA\Project Criteria\ComCheck Report for Envelope.cck
Report date: 09/20/13
Page 2 of 2

8" CMU WALL - REFER TO STRUCTURAL
PROTECTION BOARD OVER SPRAY WATERPROOFING MEMBRANE - 60 MIL MINIMUM (DRY) - REFER TO SPECIFICATIONS

FINISH FLOOR ELEVATION 0'-0"

FINISH GRADE - REFER TO CIVIL

FILL CMU SOLID WITH CONCRETE BELOW GRADE OR FINISH FLOOR - REFER TO STRUCTURAL

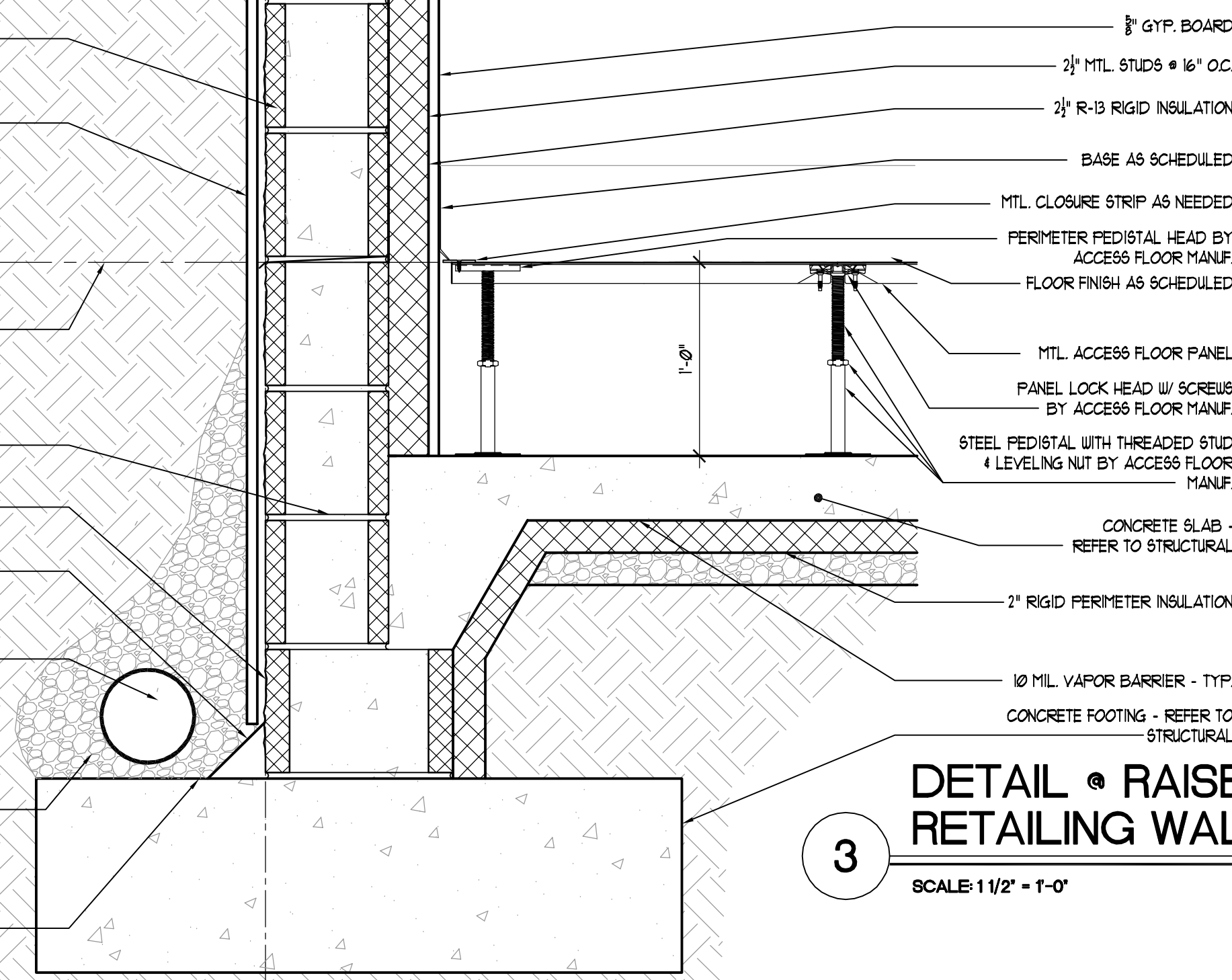
12" CMU - REFER TO STRUCTURAL

CONTINUOUS CANT STRIP

CONTINUOUS PERFORATED TRENCH DRAIN

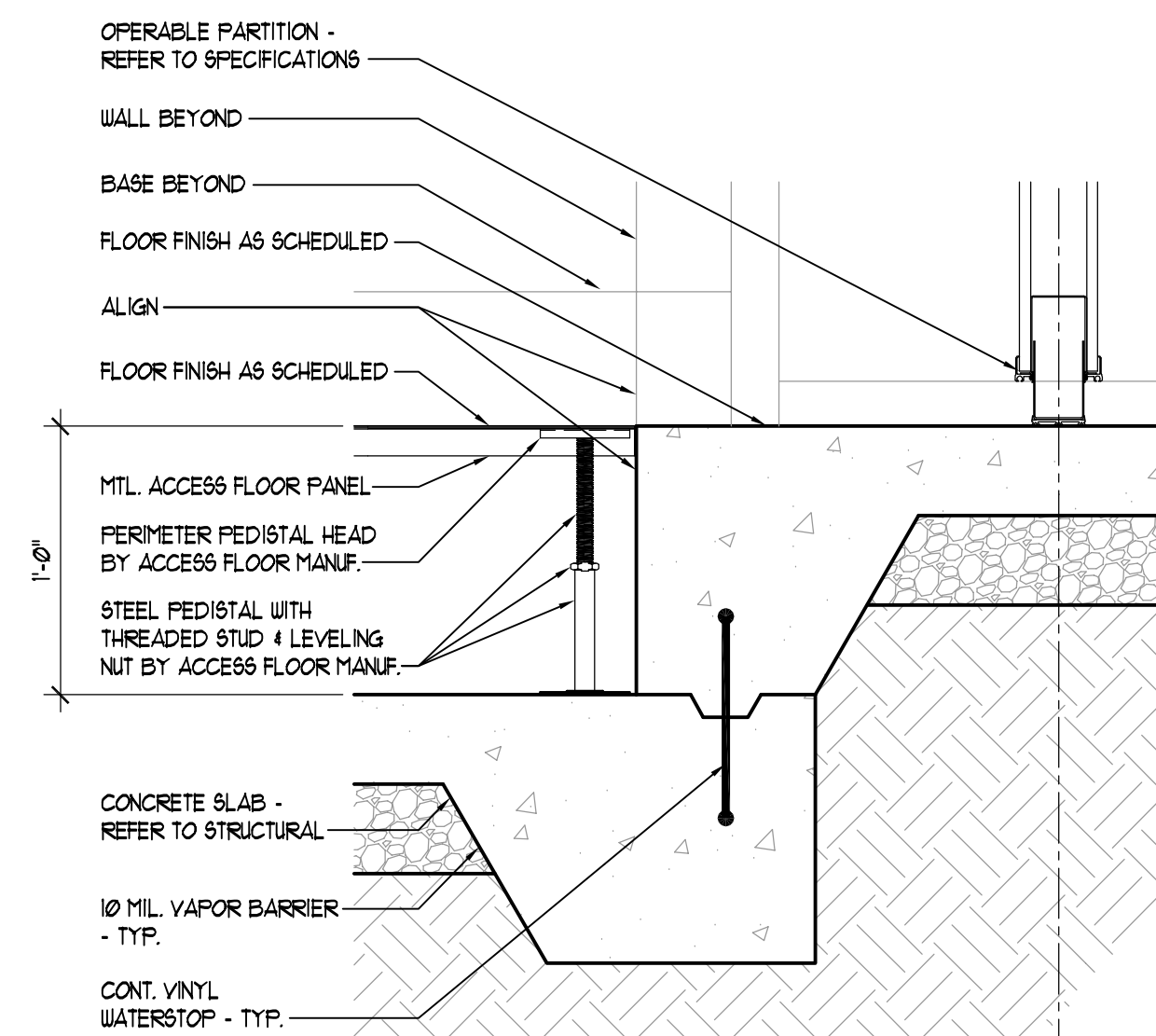
CRUSHED STONE WRAPPED IN FILTER FABRIC

EXTEND WATERPROOFING OVER CANT TO BOTTOM OF FOOTING



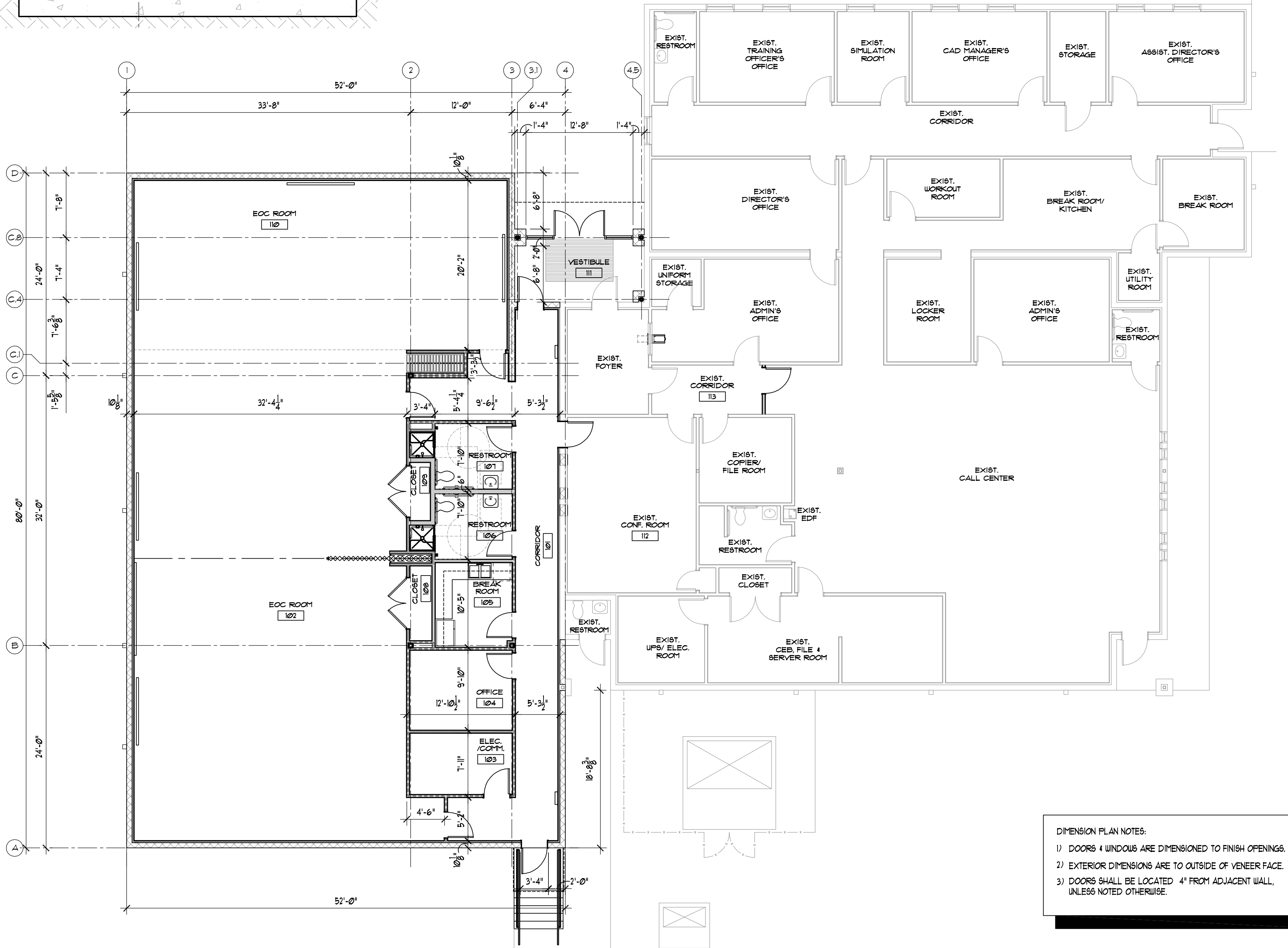
DETAIL 1 RAISED FLOOR + RETAILING WALL

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



DETAIL 2 RAISED FLOOR

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



1 DIMENSION FLOOR PLAN

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

DIMENSION PLAN NOTES:
1) DOORS & WINDOWS ARE DIMENSIONED TO FINISH OPENINGS.
2) EXTERIOR DIMENSIONS ARE TO OUTSIDE OF VENEER FACE.
3) DOORS SHALL BE LOCATED 4" FROM ADJACENT WALL, UNLESS NOTED OTHERWISE.

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

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1207007000

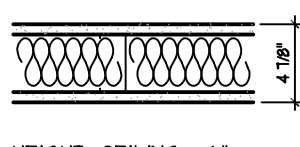
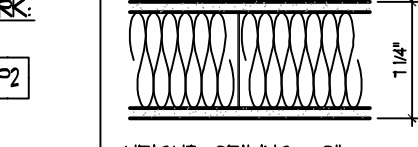
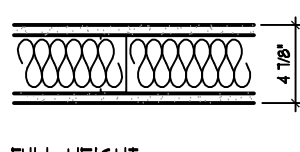
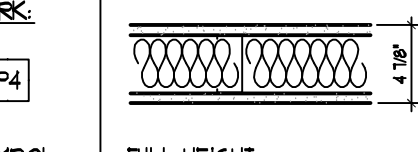
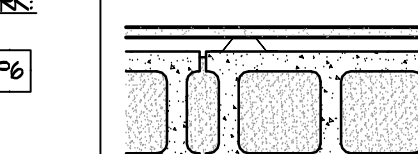
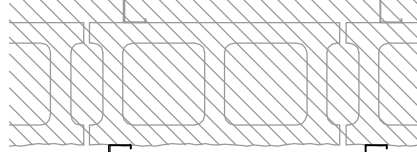
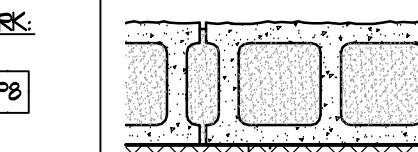
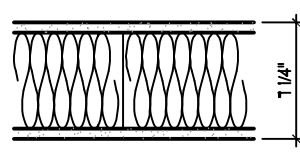
Sheet Title

DIMENSION
FLOOR PLAN

Sheet No.

A-101

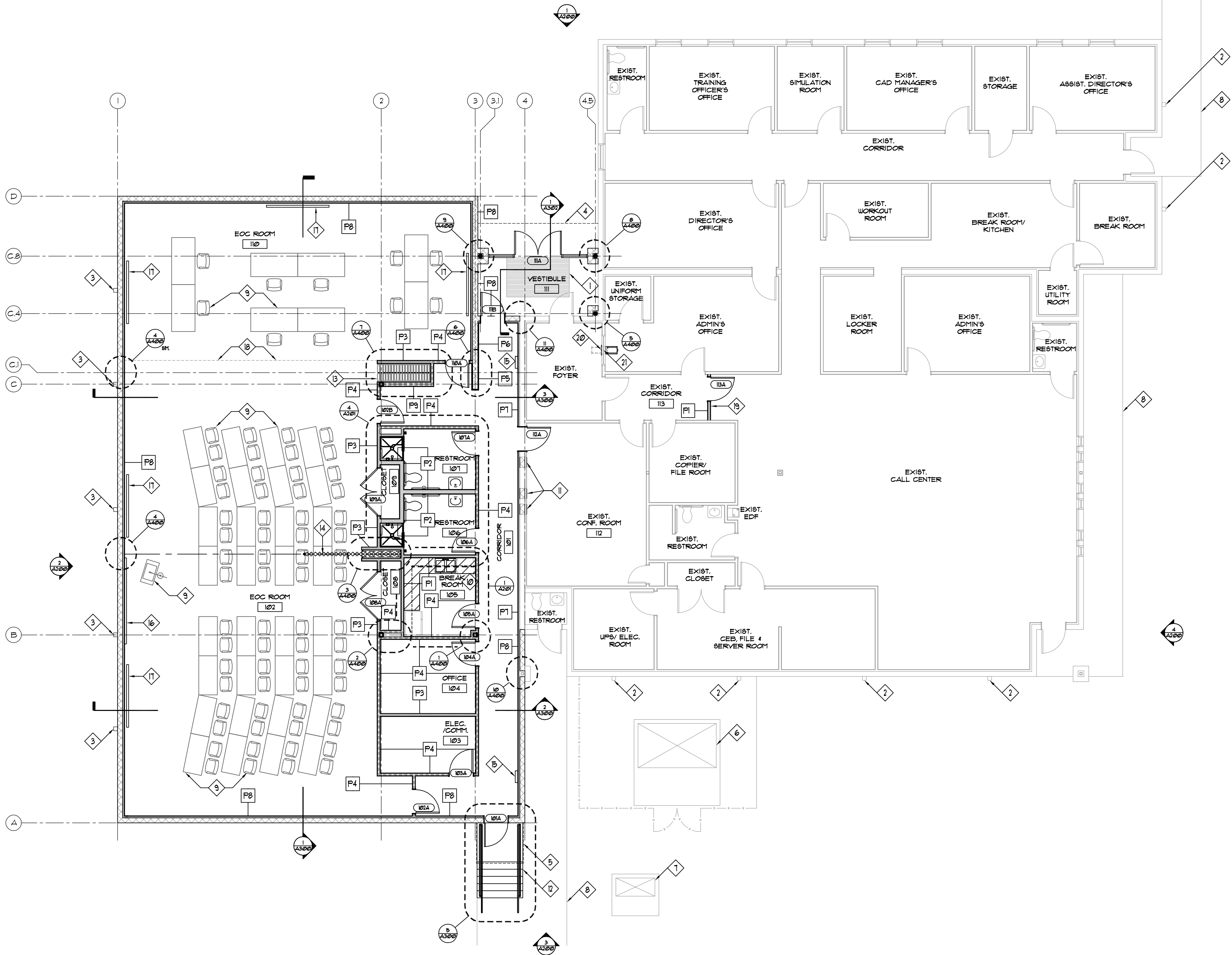
FOR CONSTRUCTION

INTERIOR & EXTERIOR WALL TYPES			
PARTITION NOTES: 1. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL RESTROOMS BREAK ROOMS. 2. REFER TO G102 LIFE SAFETY PLAN FOR UL WALL TYPES 3. INTERIOR WALLS ARE TYPE [P1] UNLESS OTHERWISE NOTED 4. REFER TO A600 FOR DOOR & WINDOW DETAILS, IN REFERENCE TO SYMBOLS LOCATED ON THIS SHEET. 5. ITEMS SHOWN WITH HATCH ARE MILLWORK - REFER TO A200			
MARK:  SYMBOL: 	 HEIGHT: CEILING + 6' ASSEMBLY: ONE (1) LAYER OF 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 3 5/8" METAL STUDS (25 GA) AT 16" O.C. WITH 1" TYPE 'S' SCREWS AT 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS. PROVIDE SOUND ATTENUATION. REFER TO FLOOR PLAN FOR LOCATION	MARK:  SYMBOL: 	 HEIGHT: CEILING + 0' ASSEMBLY: ONE (1) LAYER OF 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 6" METAL STUDS (25 GA) AT 16" O.C. WITH 1" TYPE 'S' SCREWS AT 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS. PROVIDE SOUND ATTENUATION. REFER TO FLOOR PLAN FOR LOCATION
MARK:  SYMBOL: 	 FULL HEIGHT ASSEMBLY: ONE (1) LAYER OF 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 3 5/8" METAL STUDS (25 GA) AT 16" O.C. WITH 1" TYPE 'S' SCREWS AT 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS. PROVIDE SOUND ATTENUATION. REFER TO FLOOR PLAN FOR LOCATION	MARK:  SYMBOL: 	 FULL HEIGHT ASSEMBLY: ONE (1) LAYER OF 5/8" FIRE RATED TYPE 'X' GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 3 5/8" METAL STUDS (25 GA) AT 16" O.C. WITH 1" TYPE 'S' SCREWS AT 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS. PROVIDE SOUND ATTENUATION. RATING: 1-HOUR MEET OR EXCEED U419 REFER TO FLOOR PLAN FOR LOCATION
MARK:  SYMBOL: 	 FULL HEIGHT ASSEMBLY: 1/8" METAL FURRING AND 1 LAYER 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 8" NOMINAL CMU LAID IN FULL BED MORTAR, NORMALLY 3/8" THICK WITH MASONRY WALL TIES AT 16" O.C. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT. RATING: 1-HOUR-U305	MARK:  SYMBOL: 	 FULL HEIGHT ASSEMBLY: 1/8" METAL FURRING AND 1 LAYER 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO ONE SIDE OF 8" NOMINAL CMU LAID IN FULL BED MORTAR, NORMALLY 3/8" THICK WITH MASONRY WALL TIES AT 16" O.C. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT. ONE (1) LAYER OF 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO ONE SIDE OF 2 1/2" METAL STUDS (25 GA) AT 16" O.C. WITH 1" TYPE 'S' SCREWS AT 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS WITH R-13 MIN RIGID INSULATION ON THE OTHER SIDE. RATING: 1-HOUR-U305
MARK:  SYMBOL: 	 FULL HEIGHT ASSEMBLY: ONE (1) LAYER OF 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO ONE SIDE OF 2 1/2" METAL STUDS (25 GA) AT 16" O.C. WITH 1" TYPE 'S' SCREWS AT 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS ON ONE SIDE OF EXISTING CMU WALL. REFER TO FLOOR PLAN FOR LOCATION	MARK:  SYMBOL: 	 FULL HEIGHT ASSEMBLY: ONE (1) LAYER OF 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO ONE SIDE OF 2 1/2" METAL STUDS (25 GA) AT 16" O.C. WITH 1" TYPE 'S' SCREWS AT 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS WITH R-13 MIN RIGID INSULATION ON ONE SIDE OF 8" CMU LAID IN FULL BED MORTAR 3/8" THICK WITH MASONRY WALL TIES AT 16" O.C. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT. REFER TO FLOOR PLAN FOR LOCATION
MARK:  SYMBOL: 	 FULL HEIGHT ASSEMBLY: ONE (1) LAYER OF 5/8" FIRE RATED TYPE 'X' GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 6" METAL STUDS (25 GA) AT 16" O.C. WITH 1" TYPE 'S' SCREWS AT 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS. PROVIDE SOUND ATTENUATION. RATING: 1-HOUR MEET OR EXCEED U419 REFER TO FLOOR PLAN FOR LOCATION		

FLOOR PLAN NOTES

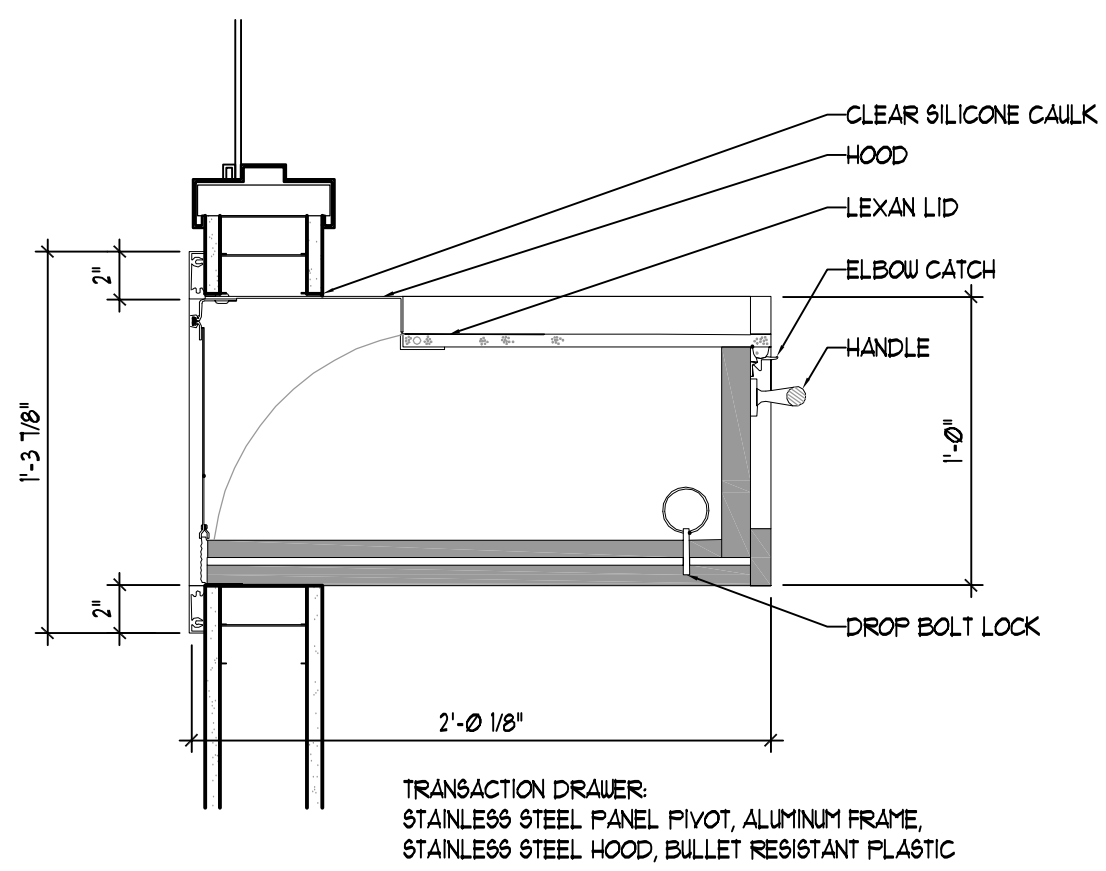
1. 8"x8" RECESSED FLOOR GRATE - REFER TO DETAIL 16/A6000 4 SPECIFICATIONS
2. EXISTING RAIN LEADER - REFER TO ELEVATIONS
3. RAIN LEADER W/ COLLECTOR HEAD - REFER TO ELEVATIONS. PIPE TO STORMY SEILER-REFER TO CIVIL DRAWINGS
4. ENTRANCE CANOPY OVERHANG ABOVE
5. PREFINISHED METAL CANOPY ABOVE
6. EXISTING PAD MOUNTED GENERATOR TO REMAIN
7. EXISTING PAD MOUNTED TRANSFORMER TO REMAIN
8. EXISTING SIDEWALK TO REMAIN
9. FURNITURE LAYOUT (NOT IN CONTRACT)
10. BREAK ROOM COUNTER WITH PLASTIC LAMINATE FINISH
11. NILL OPENING TO MATCH EXISTING WALL CONSTRUCTION
12. NEW CONCRETE STAIRS W/ PAINTED METAL HANDRAIL/ GUARDRAIL - REFER TO DETAIL 5/A3000 - COLOR TO BE SELECTED BY ARCHITECT. REFER TO SPECIFICATIONS.
13. OPERABLE PARTITION BASIS OF DESIGN HJFCOR 14-43E- REFER TO SPECIFICATIONS.
14. ACCORDION PARTITION BASIS OF DESIGN HJFCOR 14-6000- REFER TO SPECIFICATIONS.

- ⑤ 44-60 B.C FIRE EXTINGUISHER-MULTI PURPOSE DRY CHEMICAL -10 LBS WITH CABINET-REFER TO SPECIFICATIONS
- ⑥ WHITE MARKER BOARD PROVIDE SUPPORT BLOCKING AS NEEDED COORDINATE WITH OWNER'S REPRESENTATIVE.
- ⑦ VIDEO SCREEN PROVIDE OVERHEAD SUPPORT & BLOCKING AS NEEDED COORDINATE WITH OWNER'S REPRESENTATIVE.
- ⑧ LINE DEMARCATING LEVEL TRANSITION TO RAISED ACCESS FLOOR WITH ECC ROOM MID - REFER TO DETAILS 2/A100 / 3/A100 / SPECIFICATIONS.
- ⑨ PROVIDE NEW PARTITION W/ DOOR 4 HY FRAME IN EXISTING CORRIDOR M3 - REWORK, PATCH & REPAIR AS NEED TO RETURN ALL EXISTING FINISHES & MATERIALS TO REMAIN TO PRE-CONSTRUCTION CONDITION NEW PARTITION BASE, 4 DOOR FINISHES TO MATCH ADJACENT FINISHES. (BOTH SIDES) NOTE: AREA TO REMAIN OPERATIONAL DURING CONSTRUCTION COORDINATE WITH OWNER'S REPRESENTATIVE.
- ⑩ PREFABRICATED STAINLESS STEEL PASS-THRU DRAILER MOUNTED 6' BELOW EXISTING INTERIOR WINDOW REWORK, PATCH & REPAIR AS NEEDED RETURN ALL EXISTING FINISHES & MATERIALS TO REMAIN TO PRE-CONSTRUCTION CONDITION REFUR TO DETAIL 2/A107 NOTE: AREA TO REMAIN OPERATIONAL DURING CONSTRUCTION COORDINATE WITH OWNER'S REPRESENTATIVE.
- ⑪ INSTALL BATTERY OPERATED SPEAK HOLE IN EXISTING WINDOW @ 54'-AFF. CENTER ON PASS-THRU DRAILER 1 CENTER HORIZONTALLY IN WINDOW



DETAIL • STEEL TRANSACTION DRAWER

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



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Job No.

2013-09-23

1207007000

Sheet Title

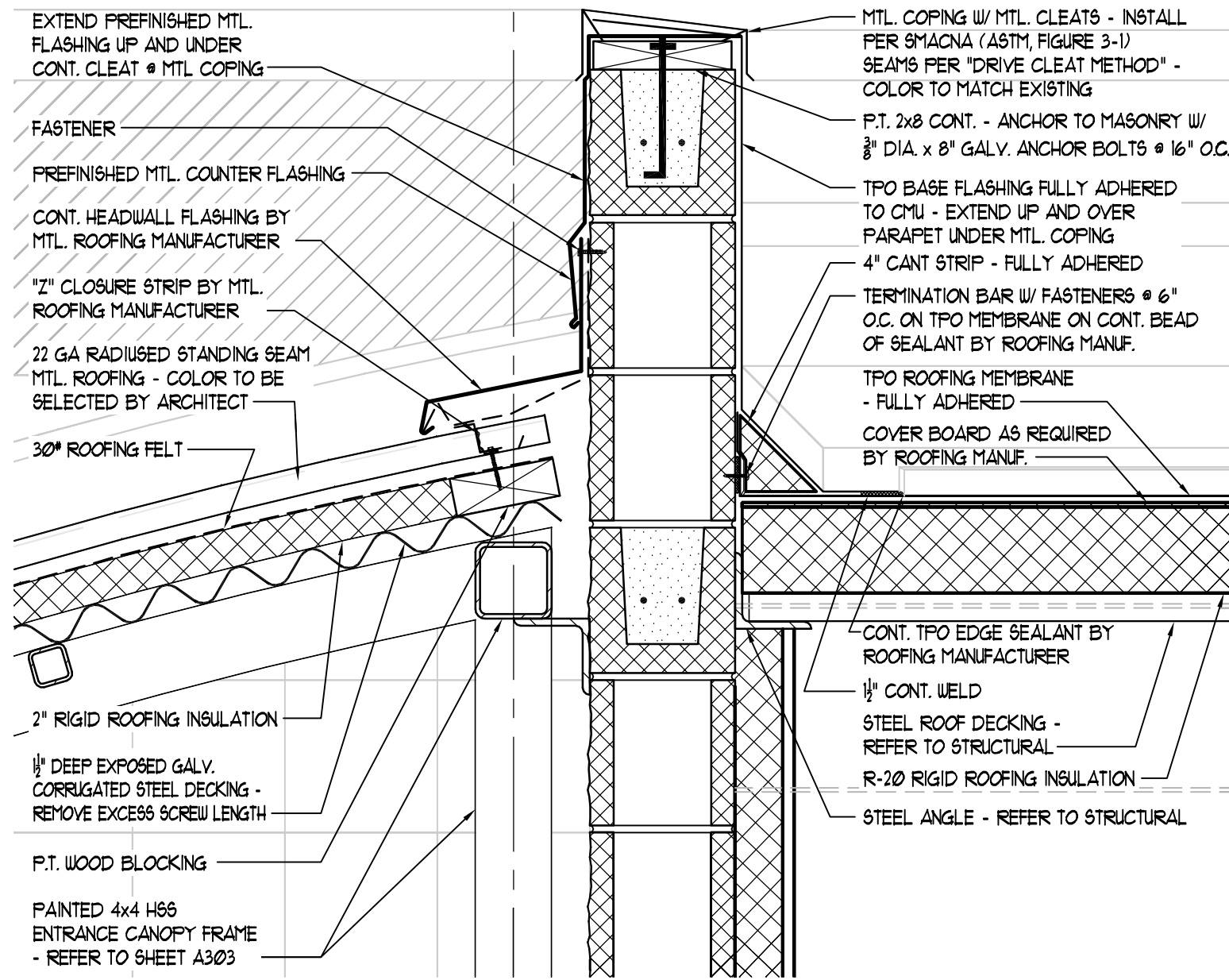
REFERENCE FLOOR PLAN

Sheet No.

A-102

FOR CONSTRUCTION

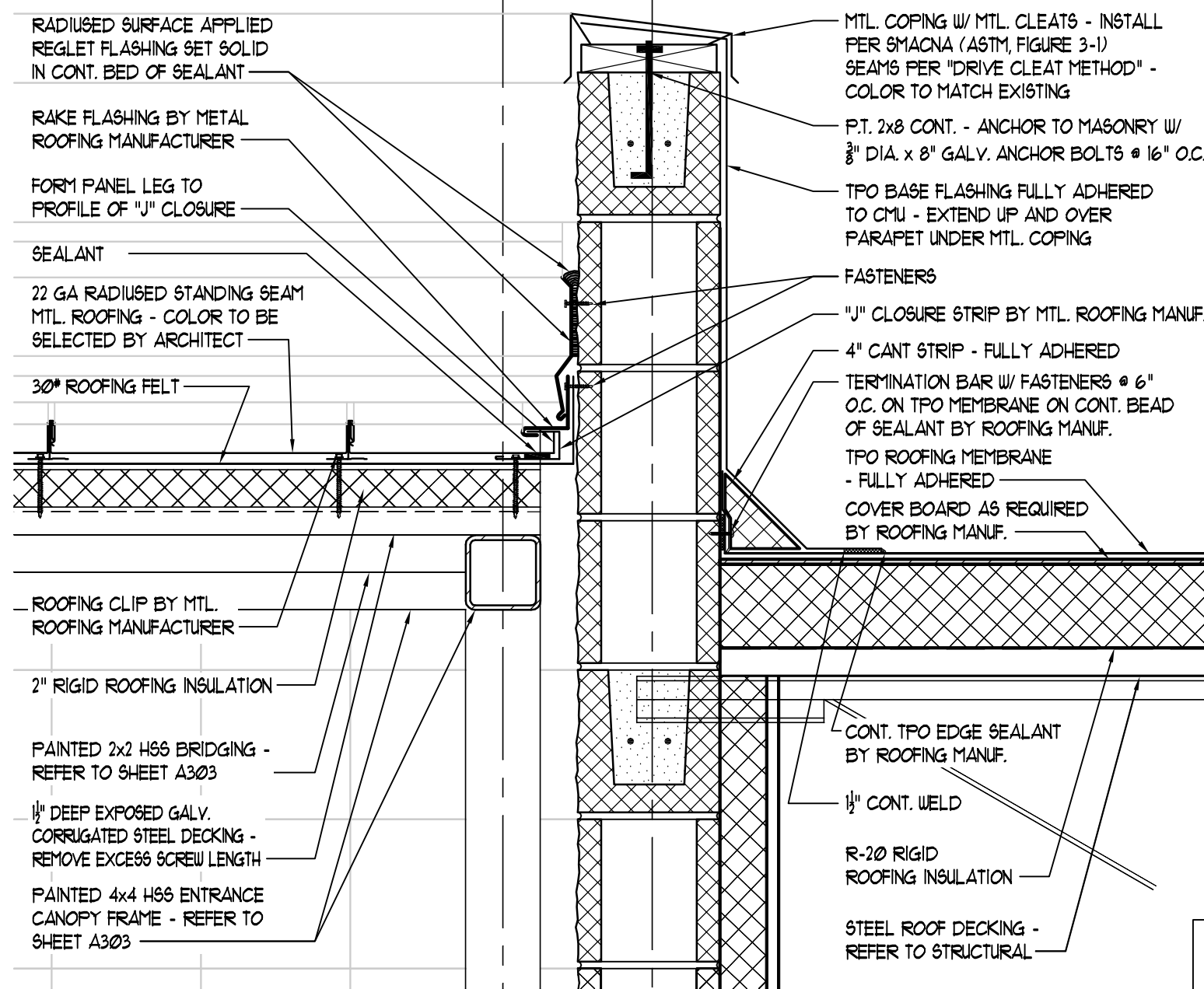
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5 ROOF DETAIL

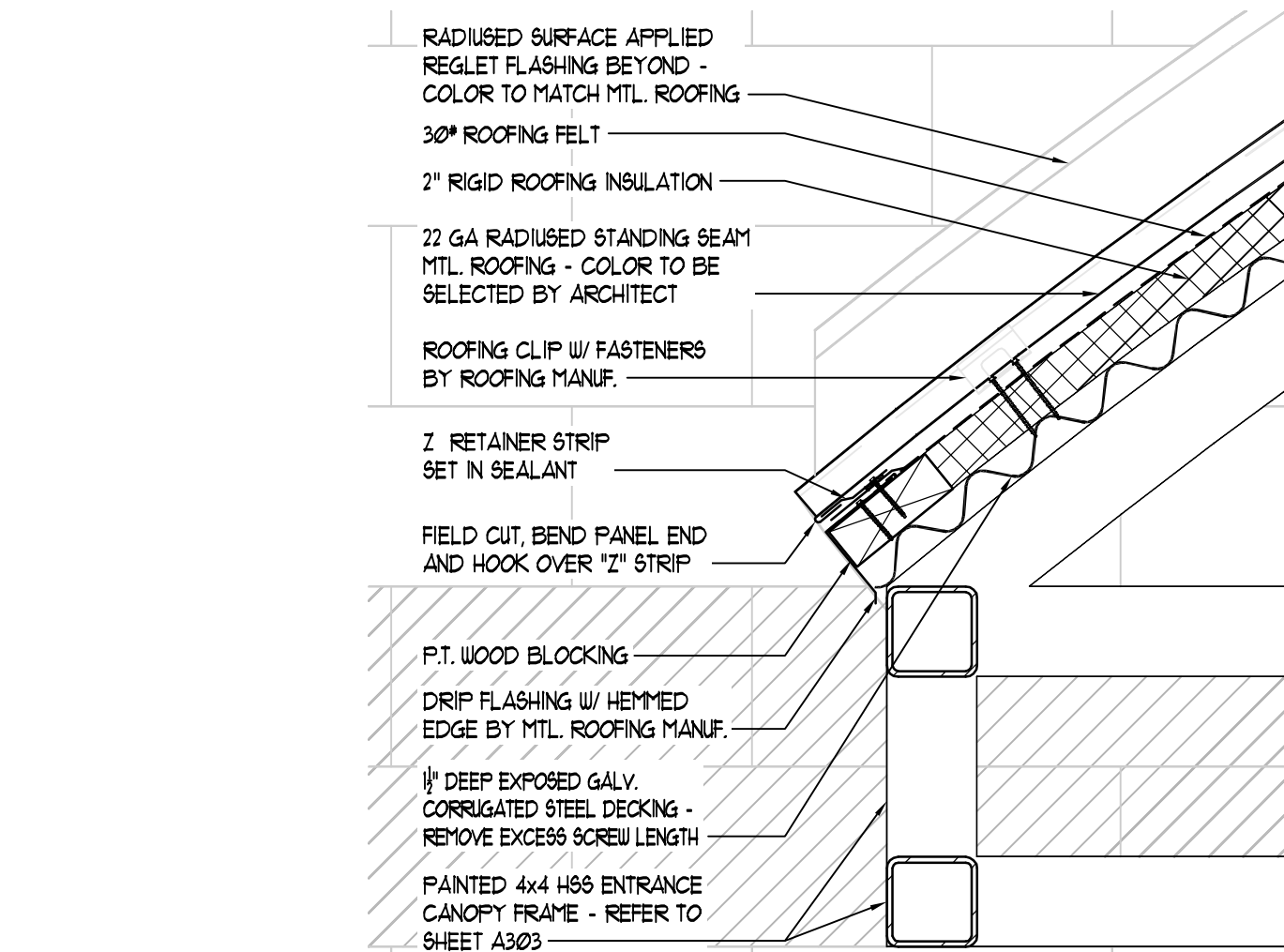
SCALE: 1 1/2" = 1'-0"

NOTE: PROVIDE METAL ROOFING SEALANT AND FASTENERS PER METAL ROOFING MANUFACTURER'S RECOMMENDATIONS.



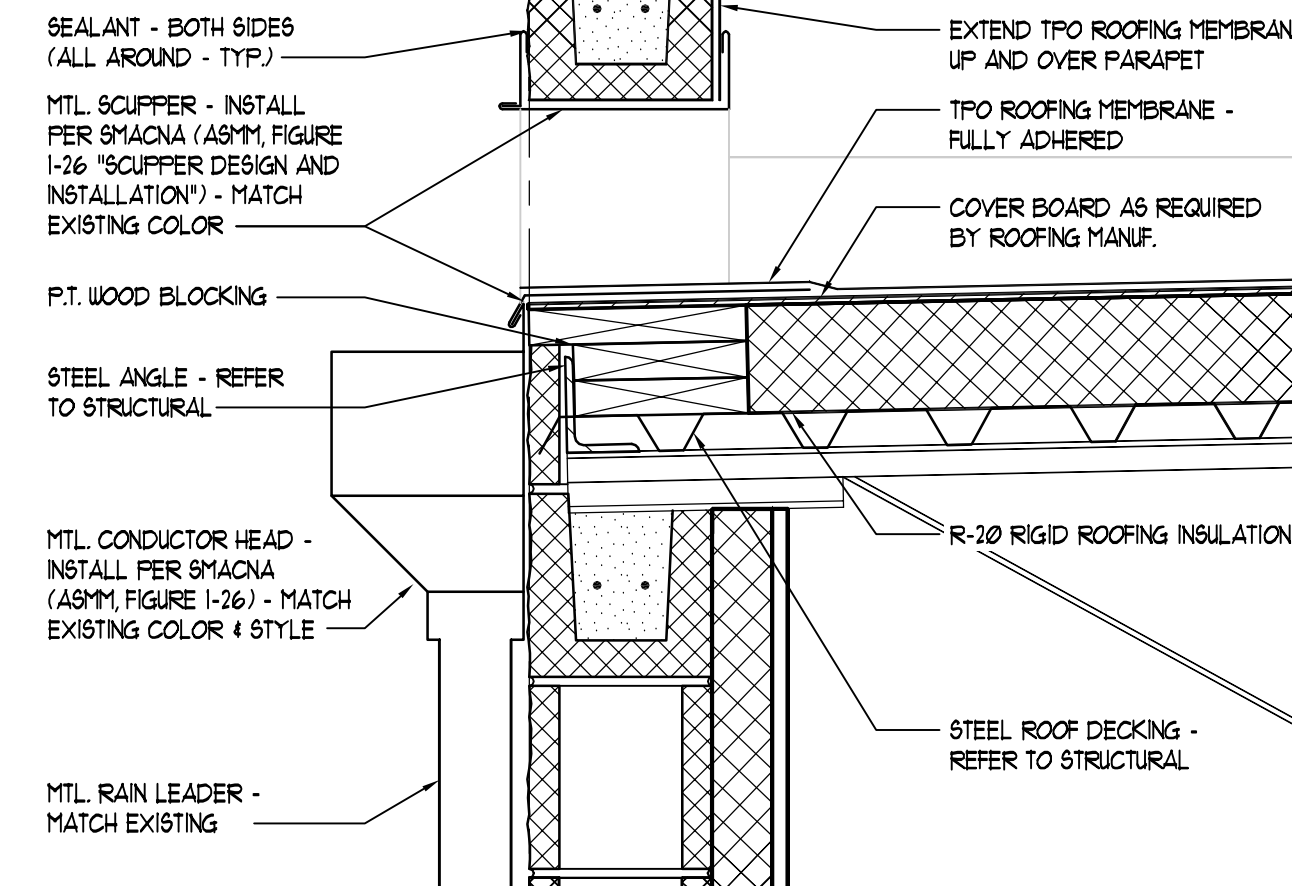
6 ROOF DETAIL

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



7 ROOF DETAIL

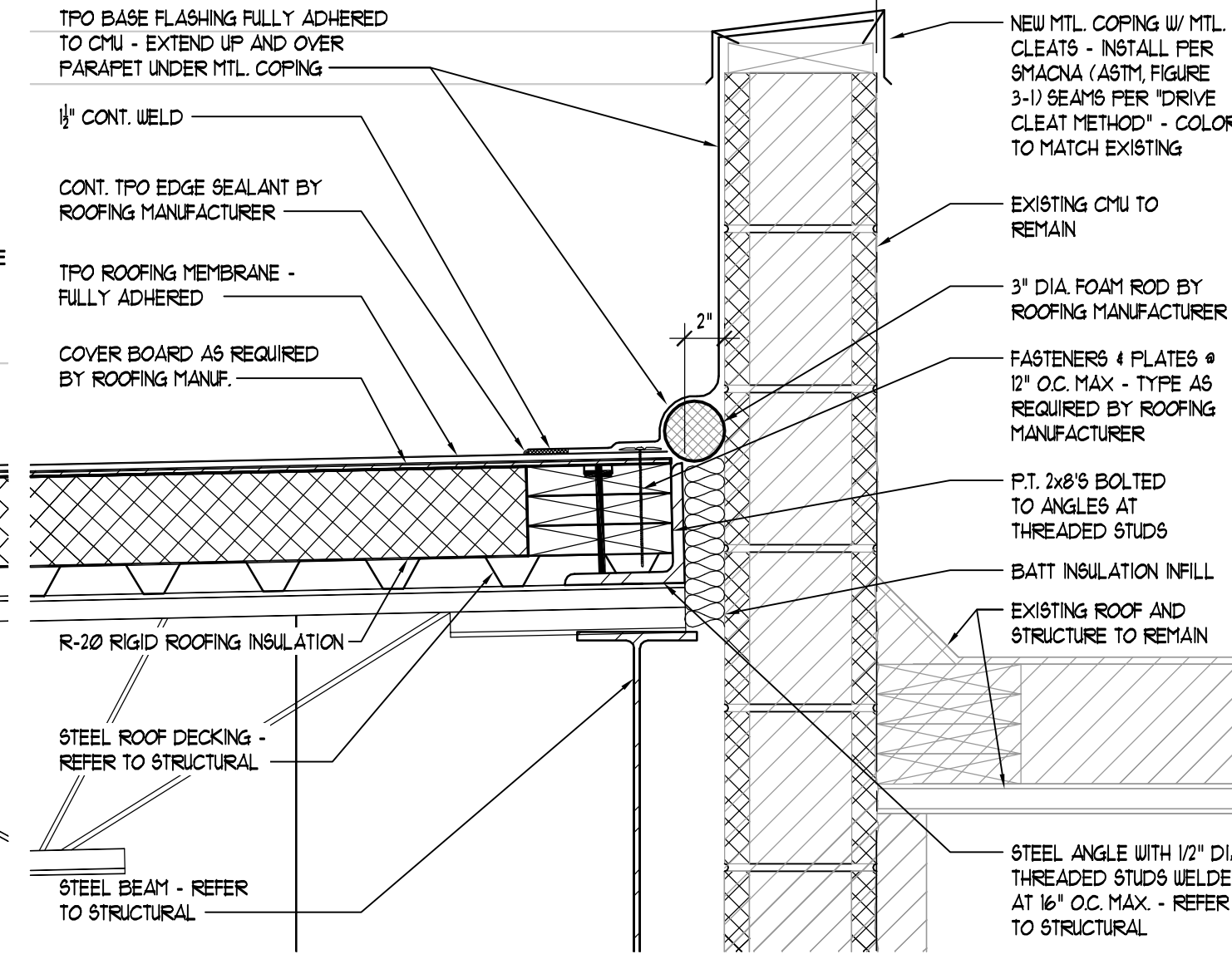
SCALE: 1 1/2" = 1'-0"



4 SCUPPER DETAIL

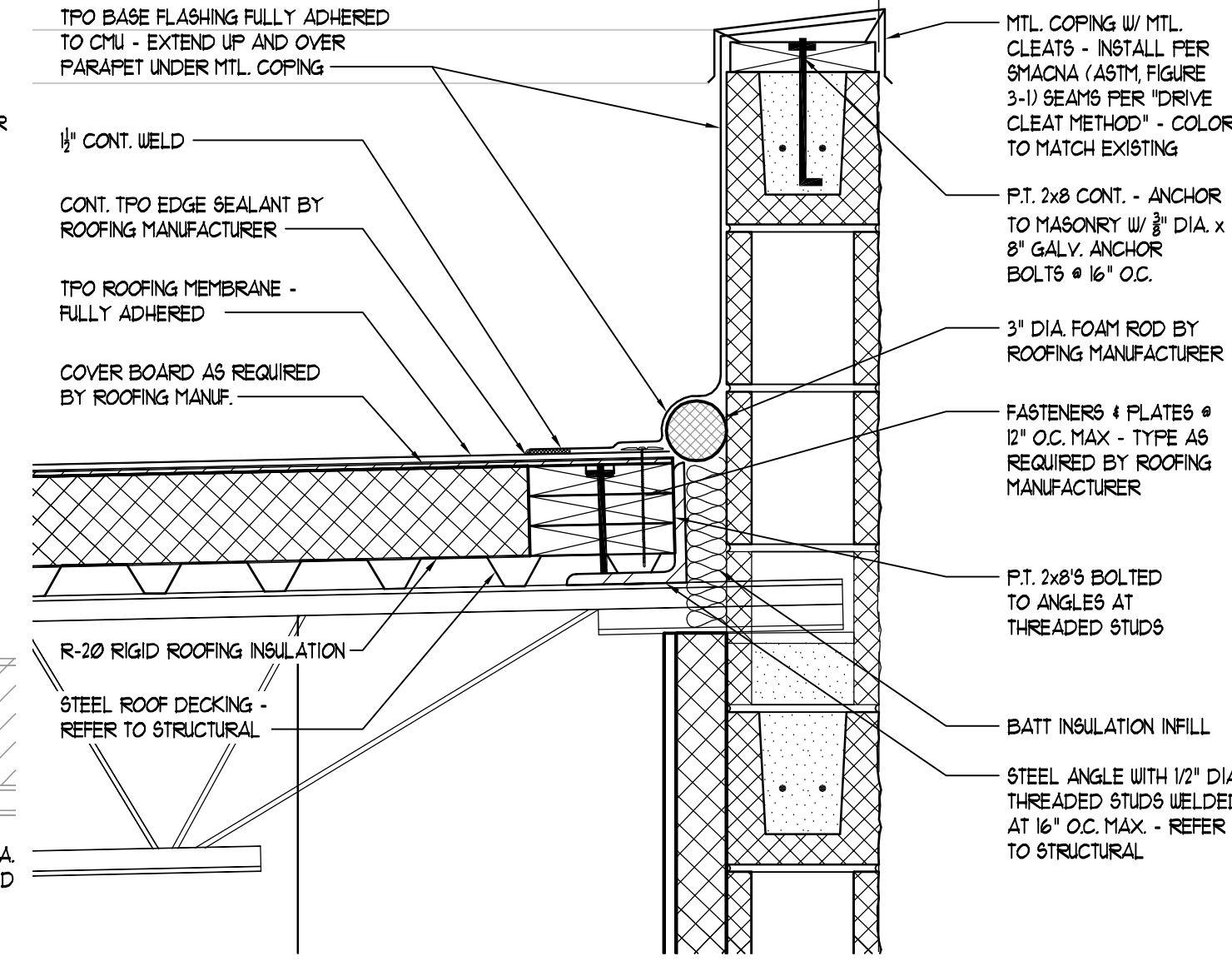
SCALE: 1 1/2" = 1'-0"

NOTE: FOR DETAILS 2/A104 - 7/A104 REFER TO WALL SECTIONS FOR THE BALANCE OF NOTES & DIMENSIONS



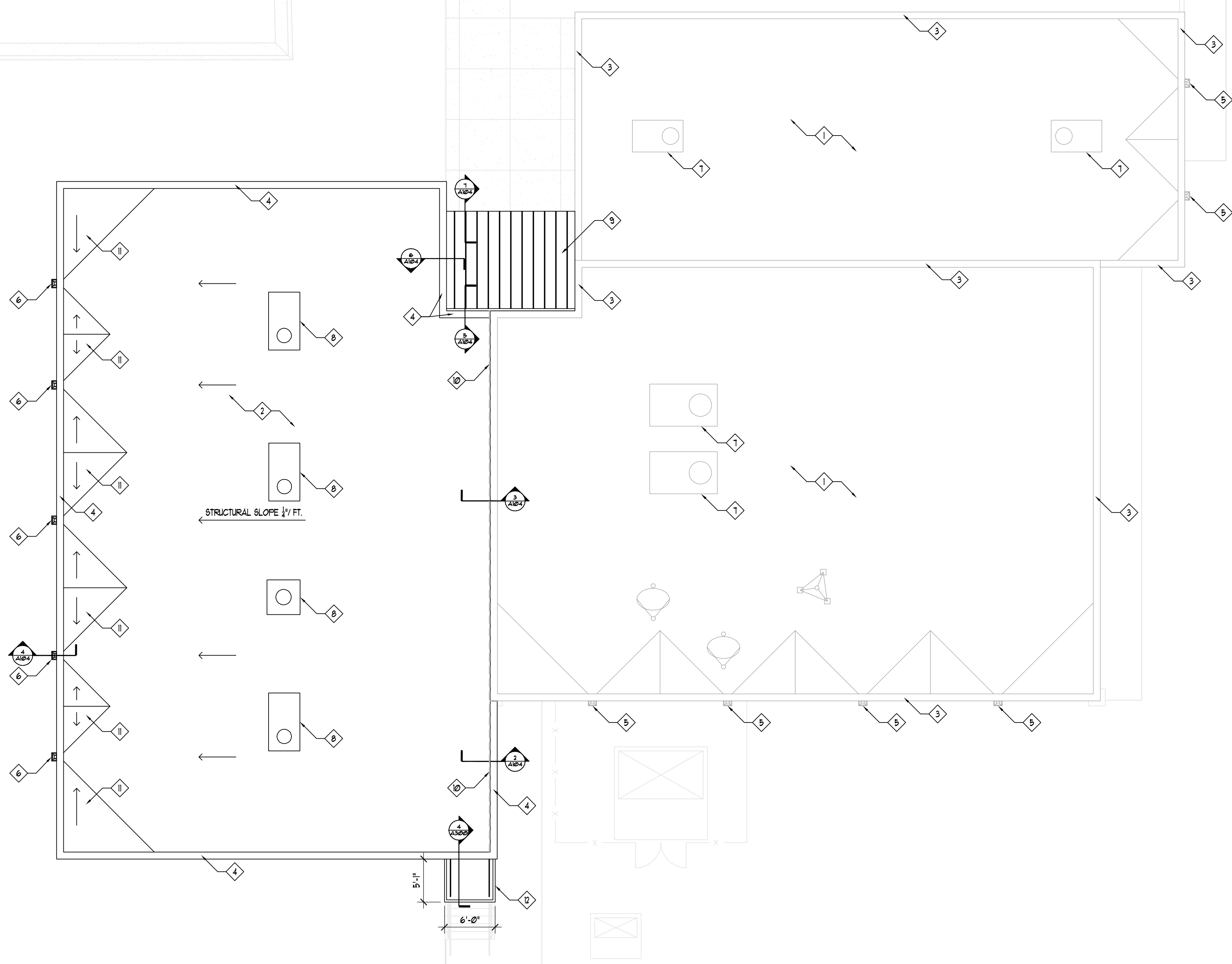
3 PARAPET DETAIL

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



2 PARAPET DETAIL

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



1 ROOF PLAN

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

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

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2/20/13-09-23 1207007000

Sheet Title

ROOF PLAN

Sheet No.

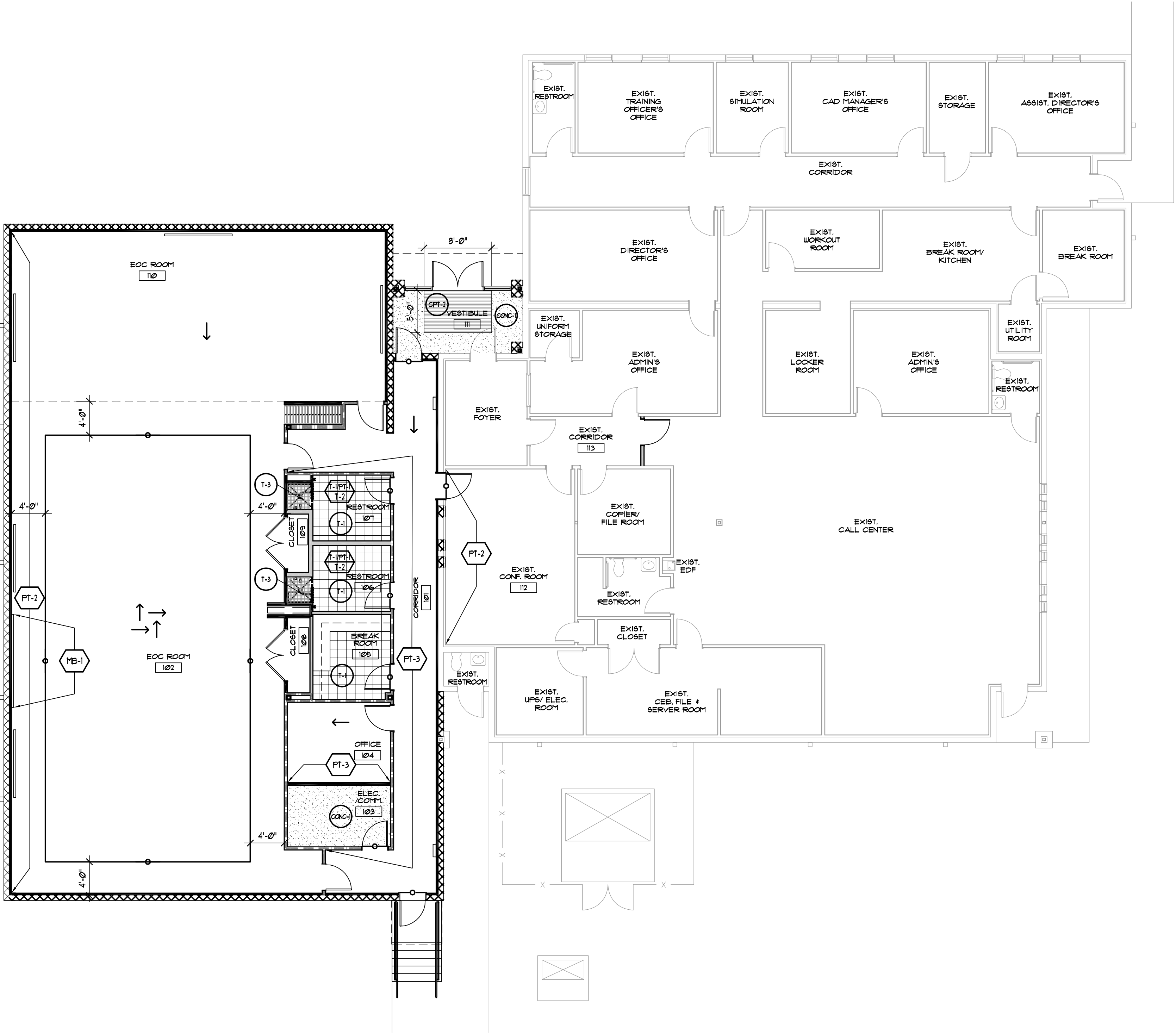
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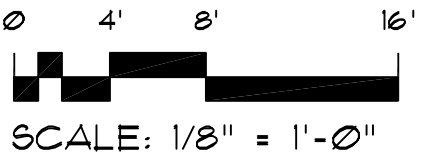
INTERIOR FINISH SCHEDULE		
ITEM	DESCRIPTION	PATTERN
PLASTIC LAMINATE		
PL-1	MANUFACTURER: NEVAMAR PRODUCT/COLOR: GRAPHITE BLUE	
PL-2	MANUFACTURER: NEVAMAR PRODUCT/COLOR: GRAND ISLE MAPLE U831T	
TILE		
T-1	FIELD TILE MANUFACTURER: DALTILE PRODUCT/COLOR: HEATHLAND, EDGEWOOD HL04 SIZE/GROUT: 12X12/TBD	
T-2	TILE BASE MANUFACTURER: DALTILE PRODUCT/COLOR: HEATHLAND, EDGEWOOD HL04 SIZE/GROUT: 6X12 COVE BASE/TBD	
T-3	ACCENT TILE MANUFACTURER: DALTILE PRODUCT/COLOR: HEATHLAND, EDGEWOOD HL04 SIZE/GROUT: 2X2 MOSAIC/TBD	
ACOUSTICAL CEILING PANELS		
ACT-1	MANUFACTURER: USG PRODUCT/COLOR: MAR5 CLIMA PLUS SHADOWLINE/ TAPERED EDGE, WHITE SIZE/GRID: 2X2 WITH REVEAL 9/16"D X 6" GRID-WHITE	
RESILIENT BASE		
VB-1	MANUFACTURER: JOHNSONITE PRODUCT/COLOR: 20-CHARCOAL SIZE: 4" COILS	
TILE CARPETING		
CPT-1	MANUFACTURER: JULIE INDUSTRIES PRODUCT/COLOR: STATIC SMART, PRESIDENTIAL SERIES, ROOSEVELT	
CPT-2	MANUFACTURER: PATCRAFT PRODUCT/COLOR: #101T DONT RUN 100118 BLACK	
PAINTS		
PT-1	GENERAL PAINT MANUFACTURER: BENJAMIN MOORE COLOR: SHAKER BEIGE HC-45 FINISH: MATCH EXISTING	
PT-2	ACCENT PAINT MANUFACTURER: BENJAMIN MOORE COLOR: DEUSEN BLUE HC-156 FINISH: MATCH EXISTING	
PT-3	ACCENT PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR/FINISH: SW 2823 ROOKWOOD CLAY FINISH: MATCH EXISTING	
PT-4	TRIM PAINT MANUFACTURER: MATCH EXISTING COLOR/FINISH: MATCH EXISTING	
SOLID SURFACE COUNTERTOPS		
SS-1	MANUFACTURER: LG HAUSYS PRODUCT/COLOR: HI MACS, VOLCANICS, AMBERGLOW VEI	
MARKER BOARDS		
MB-1	MANUFACTURER: CLARIDGE PRODUCT/COLOR: LGS PORCELAIN ENAMEL STEEL MARKERBOARD, NO. 32 WHITE STYLE/SIZE: SERIES 3, TYPE A, 4HX11W (TOP MOUNTED T-074FF)	
SEALED CONCRETE		
CONC-1	MANUFACTURER: TBD PRODUCT/COLOR: HIGH PERFORMANCE, NON-YELLOWING CLEAR ACRYLIC-BASED SEALER PER MANUFACTURERS INSTRUCTIONS	
KEY LEGEND		
WALL FINISH		
BASE FINISH		
ACCENT WALL FINISH		
FLOOR FINISH		
FLOORING TRANSITION		

- FINISH PLAN GENERAL NOTES:
- ALL ROOMS TO RECEIVE PT-1, VB-1, AND CPT-1 ON AS INDICATED IN SCHEDULE UNLESS NOTED OTHERWISE
 - INSTALL PRODUCTS AND EQUIPMENT PER MANUFACTURERS INSTALLATION REQUIREMENTS PROVIDE STANDARD MANUFACTURER WARRANTIES
 - SEE ROOM FINISH SCHEDULE FOR WALL FINISHES BY ROOM

ROOM FINISH SCHEDULE		FLOOR		BASE	WALL				REMARKS
ROOM NO.	ROOM NAME	FIELD	ACCENT		NORTH	EAST	SOUTH	WEST	
101	CORRIDOR	CPT-1		VB-1	PT-1	PT-1	PT-1	PT-3	
102	EOC ROOM	CPT-1		VB-1	PT-1	PT-1	PT-1	PT-2	
103	ELEC. / COMM.	CONC-1		VB-1	PT-1	PT-1	PT-1	PT-1	
104	OFFICE	CPT-1		VB-1	PT-1	PT-1	PT-3	PT-1	
105	BREAK ROOM	T-1		T-2	PT-1	PT-1	PT-1	PT-1	
106	RESTROOM	T-1		T-2	PT-1, T-1	PT-1	PT-1	PT-1, T-1	SEE ELEVATIONS
107	RESTROOM	T-1		T-2	PT-1	PT-1	PT-1, T-1	PT-1, T-1	SEE ELEVATIONS
108	CLOSET	CPT-1		VB-1	PT-1	PT-1	PT-1	PT-1	
109	CLOSET	CPT-1		VB-1	PT-1	PT-1	PT-1	PT-1	
110	EOC ROOM	CPT-1		VB-1	PT-1	PT-1	PT-1	PT-2	
111	VESTIBULE	CONC-1		---	---	---	---	---	
112	EXIST. CONF. ROOM	EXISTING		EXISTING	EXISTING	EXISTING	EXISTING	MATCH	
113	CORRIDOR	EXISTING		EXISTING	EXISTING	MATCH	EXISTING	EXISTING	



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



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Date 12/01/13-09-23 Job No. 1207007000

Sheet Title

FINISH PLAN,
FINISH SCHEDULE
AND NOTES

Sheet No.

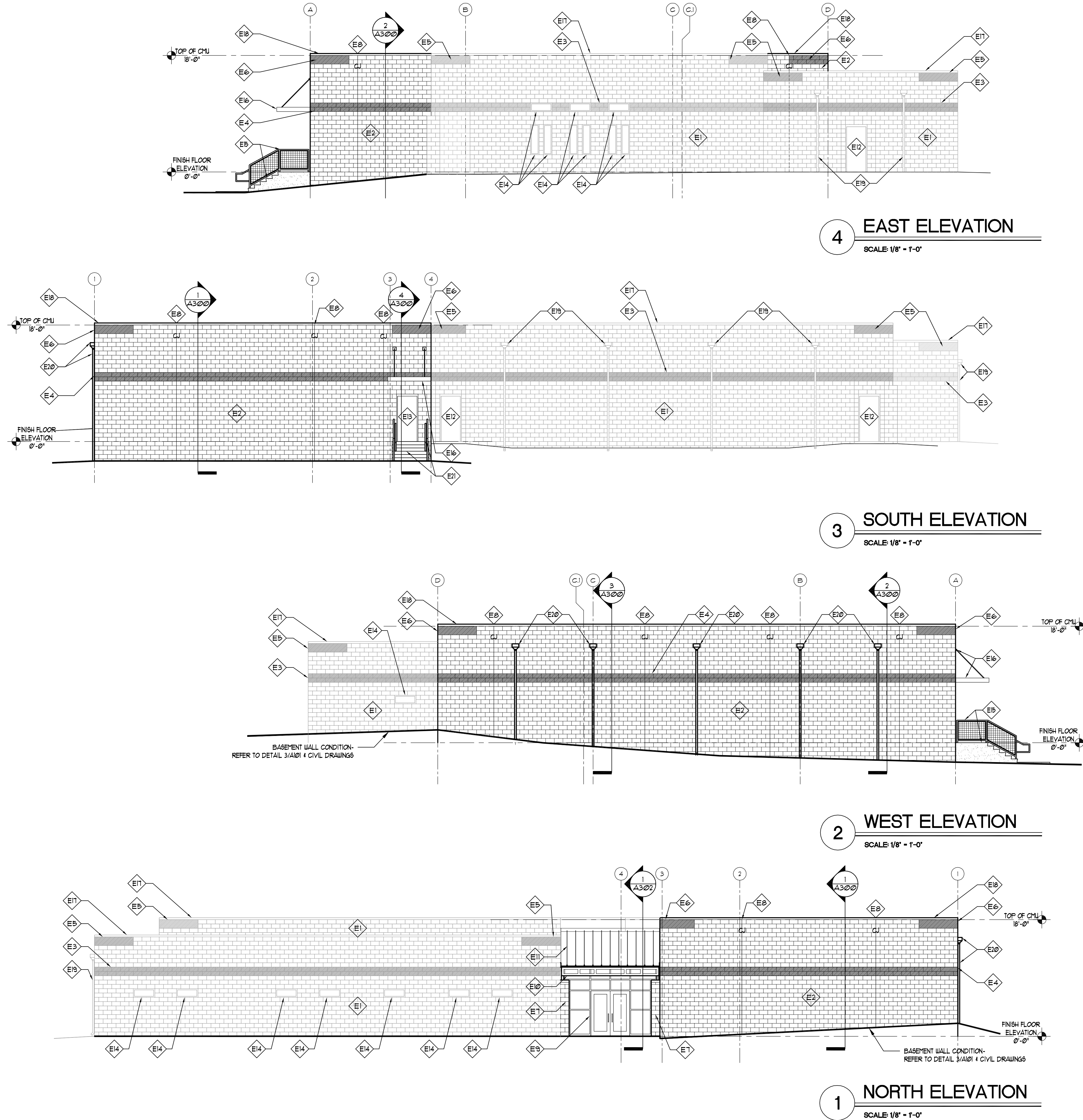
A-105

FOR CONSTRUCTION

FILENAME: I:\Municipal\Municipal Studio\03 Projects\2012\120707000 - Fayette County EDC\3-Civil\3-200 EXT ELEVATIONS.dwg PLOT TIME: DATE: Thursday, November 21, 2013 12:55:56 PLOTTED BY: Whitney Regan PLOTTER: PDS95PC3 PLOTSCALE: 1 PAPER SIZE: ARCH E1 PEN TABLE: WP, STANDARDCTB3

- EXTERIOR FINISH LEGEND:
- E1> EXISTING SPLIT FACE CMU TO REMAIN.
 - E2> NEW SPLIT FACE CMU - (CMU & MORTAR) TYPE, COLOR & TOOLING TO MATCH EXISTING - TYP.
 - E3> EXISTING SPLIT FACE CMU ACCENT BAND TO REMAIN.
 - E4> NEW SPLIT FACE CMU ACCENT BAND TO ALIGN W/ EXISTING - (CMU & MORTAR) TYPE, COLOR & TOOLING TO MATCH 'E3'.
 - E5> EXISTING CAST STONE ACCENT PIECE TO REMAIN.
 - E6> NEW CAST STONE ACCENT PIECE - SIZE, PROFILE, COLOR, & FINISH TO MATCH EXISTING - TYP.
 - E7> NEW SPLIT FACE CMU PILASTER - (CMU & MORTAR) TYPE, COLOR & TOOLING TO MATCH EXISTING 'E1' - UNLESS NOTED OTHERWISE.
 - E8> CMU CONTROL JOINT - REFER TO STRUCTURAL.
 - E9> ALUMINUM STOREFRONT SYSTEM - REFER TO DETAIL 2/A600 - FINISH TO BE CLEAR ANODIZED ALUMINUM.
 - E10> PAINTED STEEL ENTRANCE CANOPY FRAME - REFER TO SHEETS A302 & A303 - COLOR TO BE SELECTED BY ARCHITECT.
 - E11> NEW RADUSED STANDING SEAM METAL ROOFING - PREFINISHED WITH KYNAR 500 - AEP SPAN COLOR TO BE SELECTED BY ARCHITECT.
 - E12> EXISTING HM DOOR & FRAME TO REMAIN.
 - E13> NEW HM DOOR & FRAME - REFER TO SHEETS A102 & A600 - MATCH EXISTING DOOR & FRAME COLOR (SEALANT COLOR TO MATCH FRAME).
 - E14> EXISTING BLAST RESISTANT WINDOW W/ HM FRAME TO REMAIN.
 - E15> NEW CONCRETE STAIRS W/ PAINTED METAL HANDRAIL/ COLOR TO BE GUARDRAIL - REFER TO DETAIL 5/A300 - SELECTED BY ARCHITECT. REFER TO SPECIFICATIONS.
 - E16> PREFINISHED METAL CANOPY - REFER TO SECTION 4/A300 - COLOR TO MATCH EXISTING HM WINDOW FRAME.
 - E17> EXISTING METAL COPING TO REMAIN.
 - E18> NEW METAL COPING TO MATCH EXISTING.
 - E19> EXISTING MTL. COLLECTOR HEAD & RAIN LEADER TO REMAIN.
 - E20> NEW MTL. COLLECTOR HEAD & RAIN LEADER TO MATCH EXISTING.

- EXTERIOR GENERAL NOTES:
- REFER TO SHEET A600 FOR WINDOW KEYS LOCATED ON THIS SHEET.
 - ALL EXPOSED STEEL SHALL BE PRIMED & PAINTED - COLOR TO BE SELECTED BY ARCHITECT. REFER TO SPECIFICATIONS.
 - COORDINATE ALL DOOR & WINDOW OPENINGS IN NEW WALLS WITH STRUCTURAL BRACING REQUIREMENTS.
 - COORDINATE ALL DOOR & WINDOW OPENINGS IN EXISTING MASONRY WALLS WITH STRUCTURAL DRAWINGS.



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12/01/13 FOR CONSTRUCTION

Revisions

Date 2/20/13-09-23 Job No. 120707000

Sheet Title

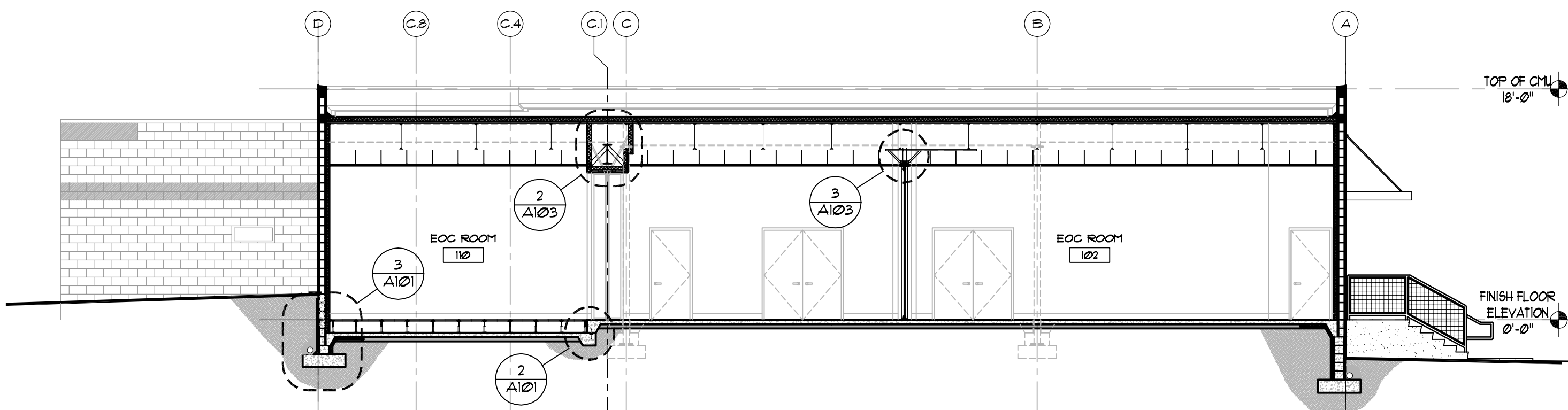
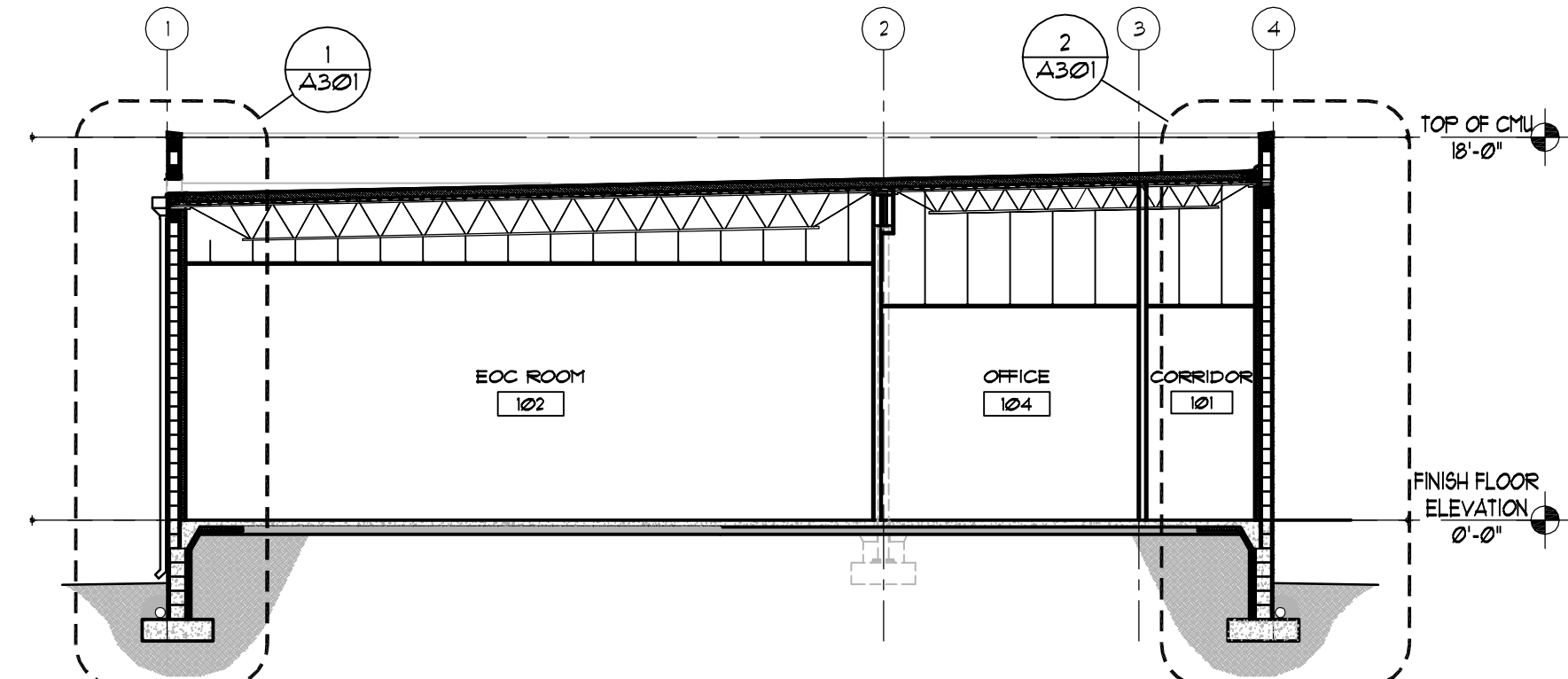
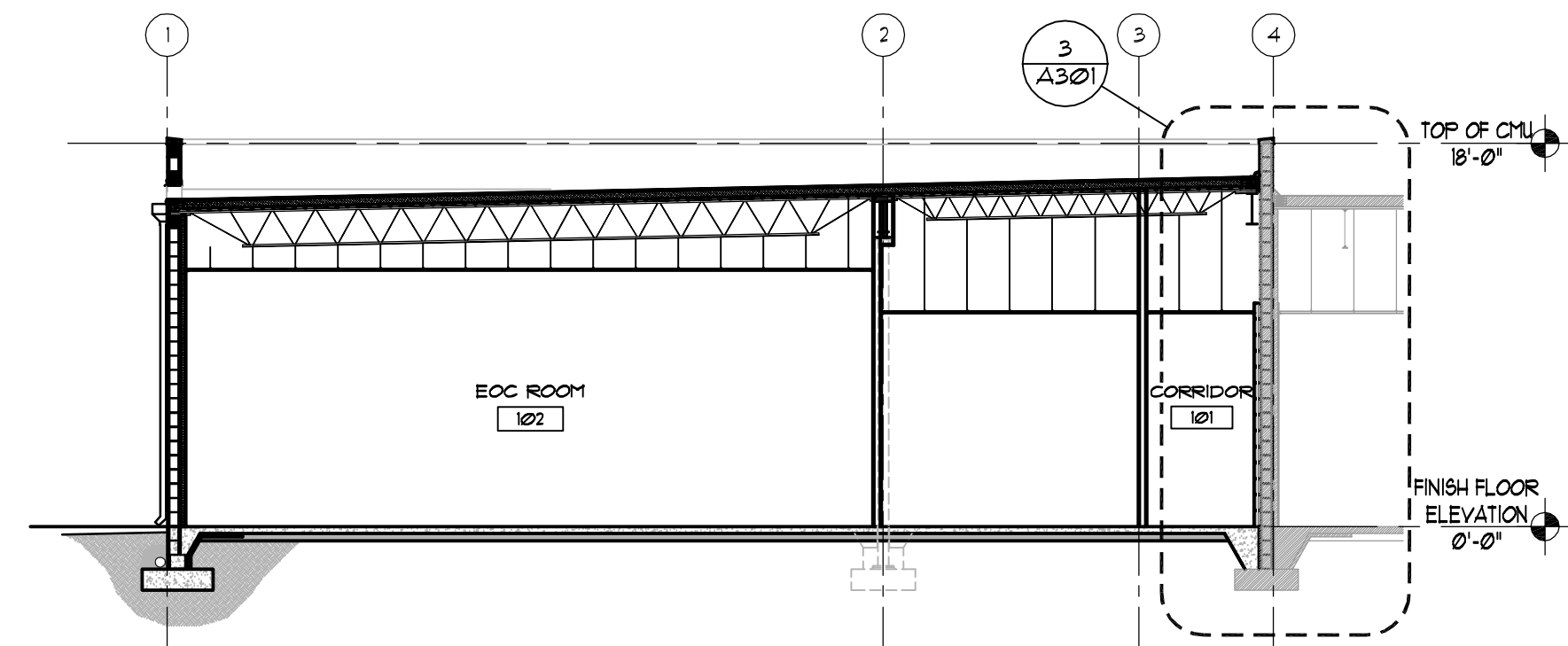
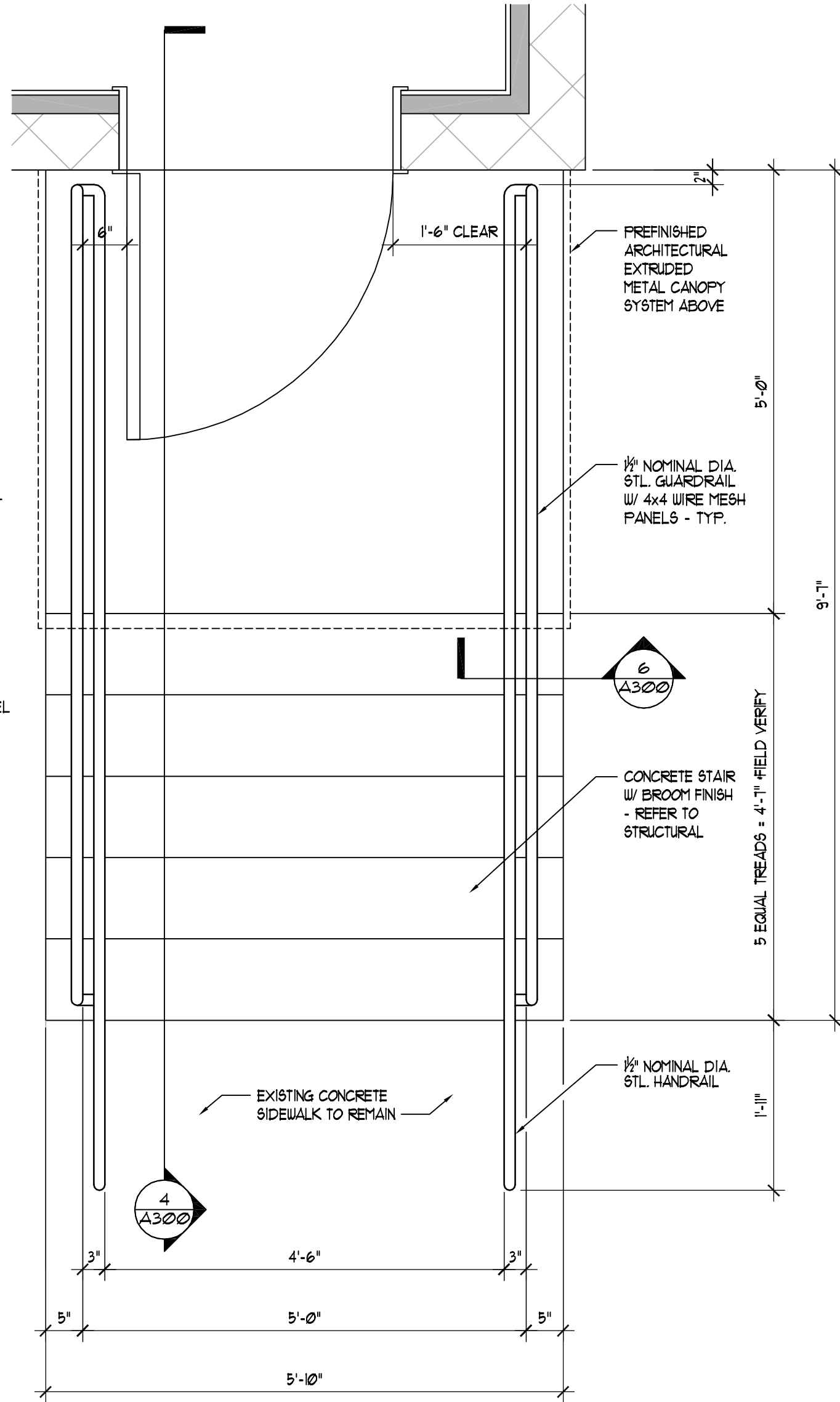
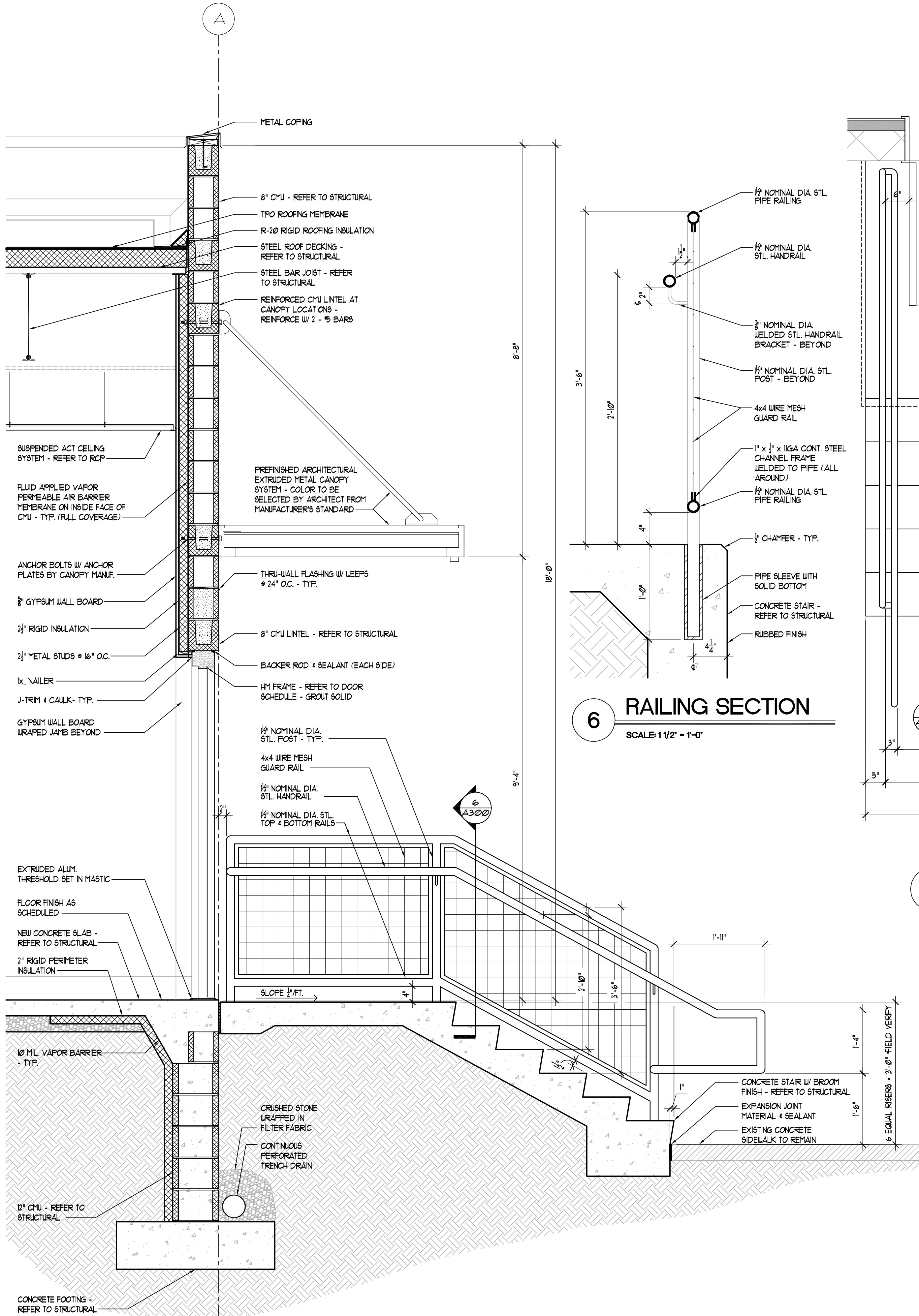
EXTERIOR
ELEVATIONS

Sheet No.

A-200

FOR CONSTRUCTION

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Print Record

07/26/2013	80% CD Set for Review
09/23/2013	RELEASE FOR BID
12/01/13	FOR CONSTRUCTION

Revisions

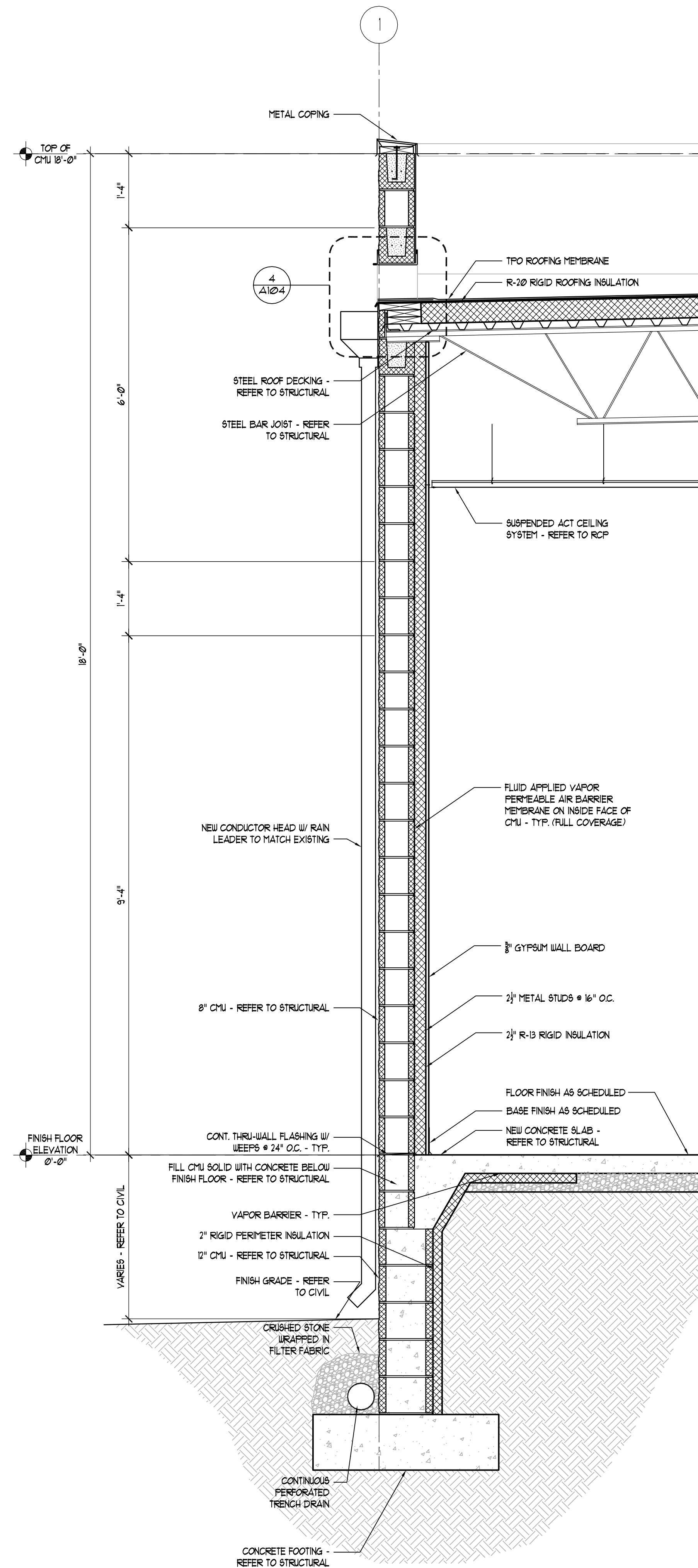
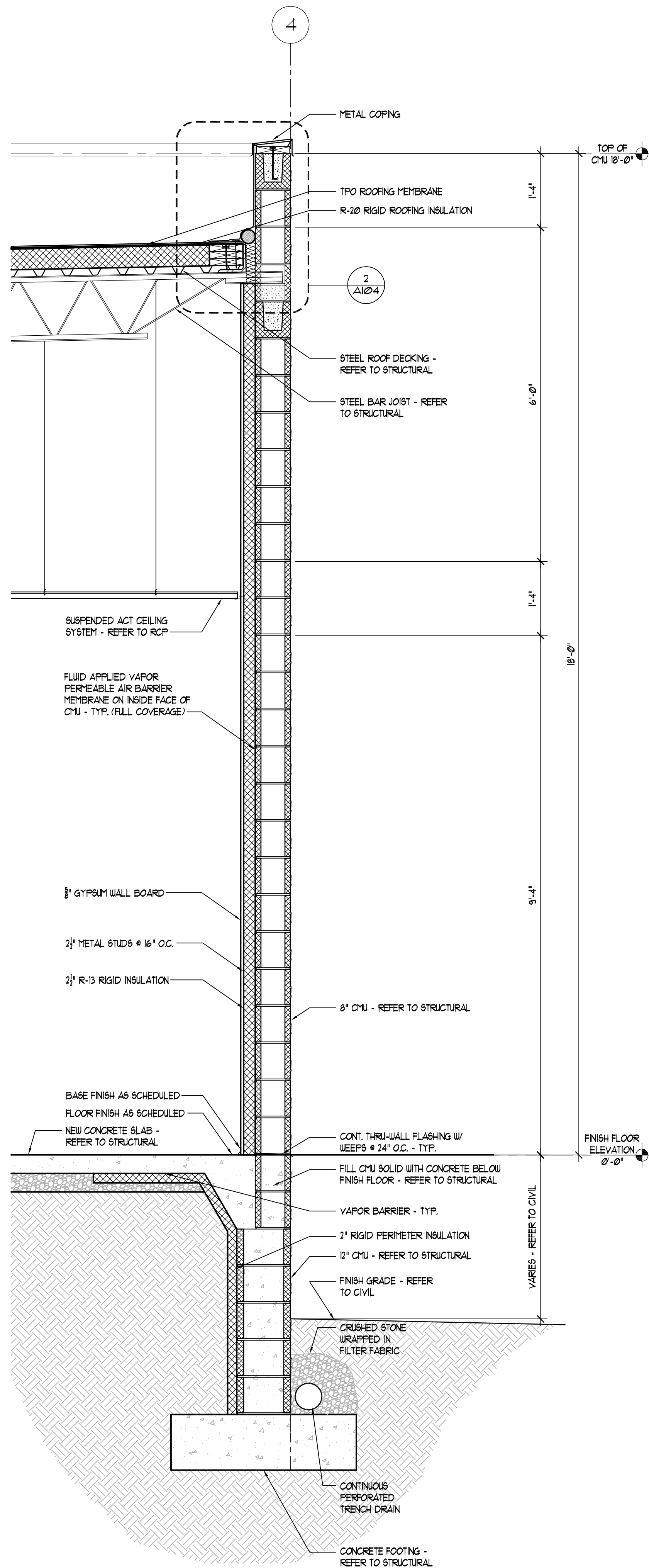
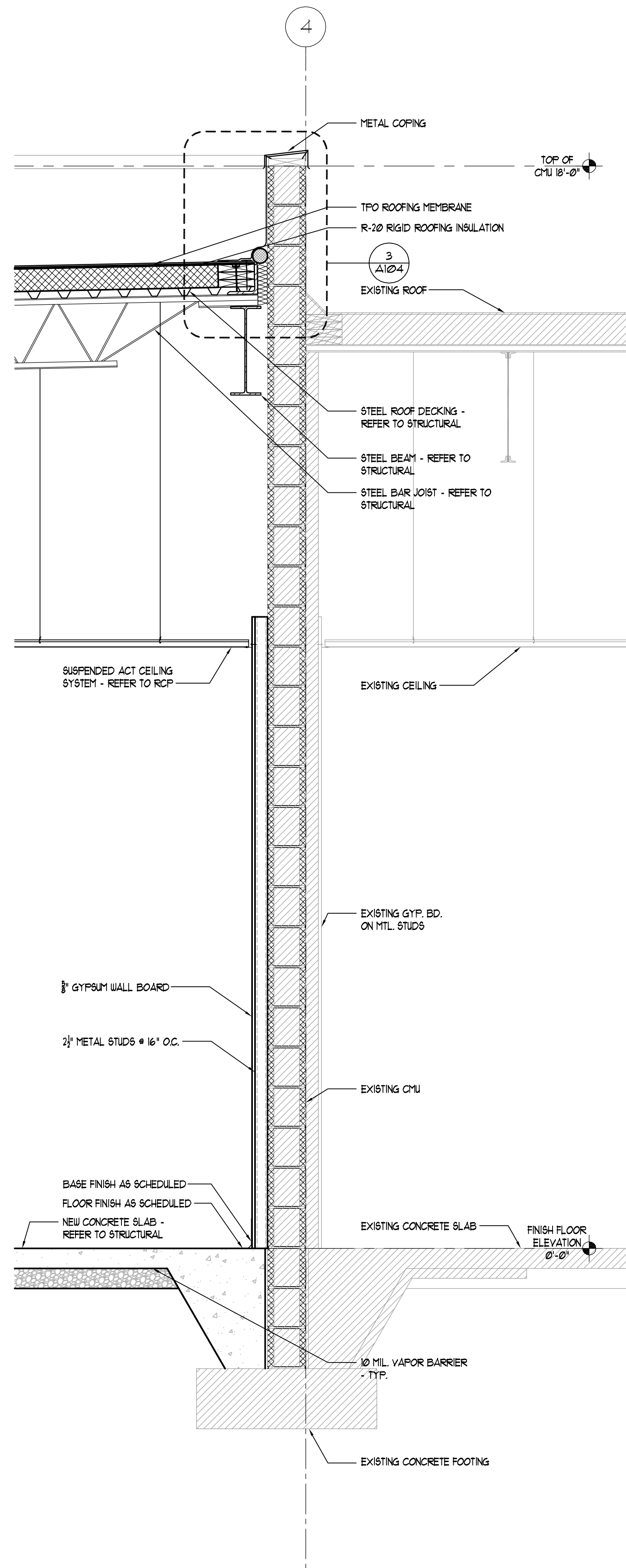
Date 12/01/13-09-23 Job No. 1207007000

Sheet Title
BUILDING SECTIONS
AND VERTICAL
CIRCULATION

Sheet No.
A-300

FOR CONSTRUCTION

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Revisions

Date 2/20/13-09-23 Job No. 120707000

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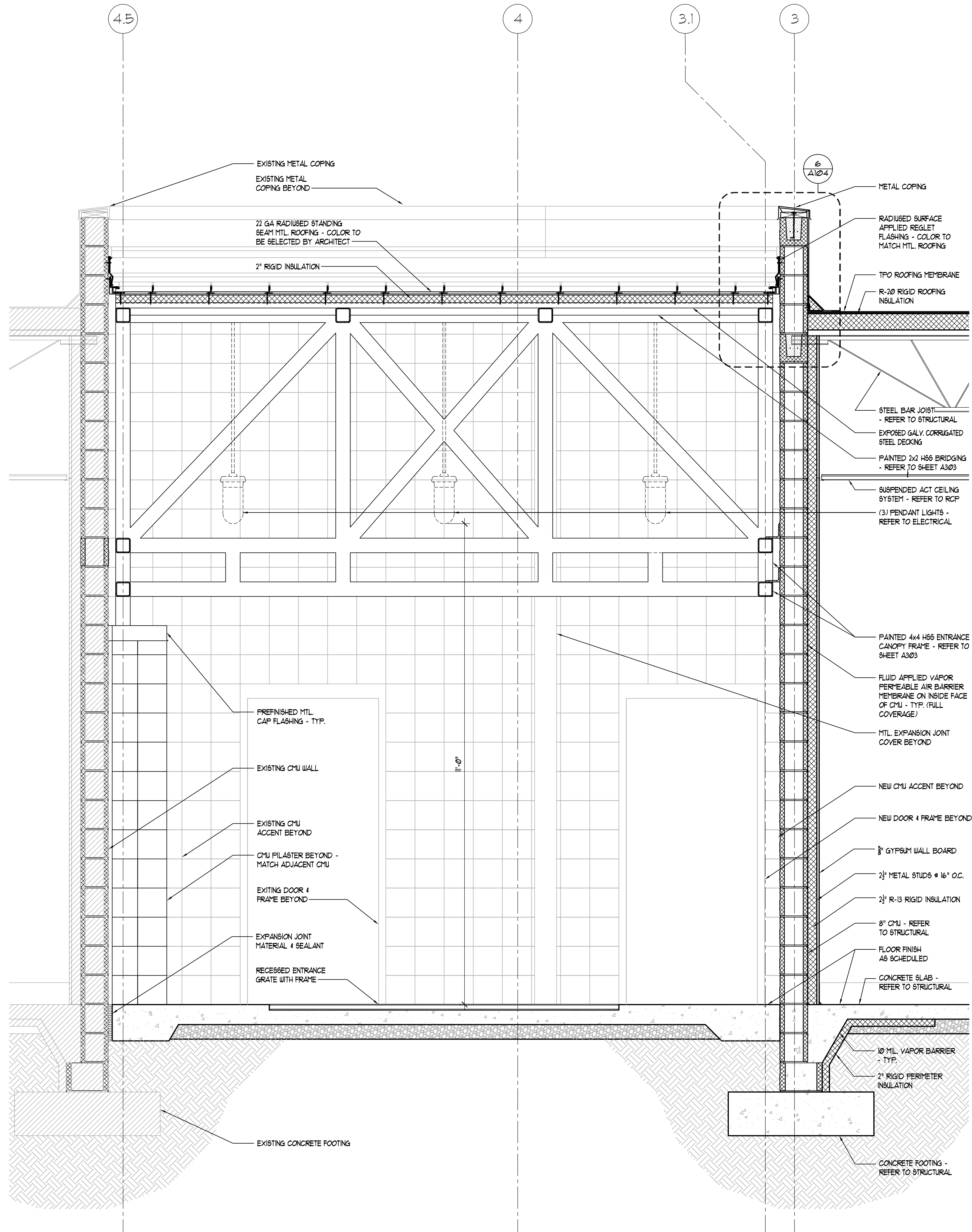
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SECTIONS

Sheet No.

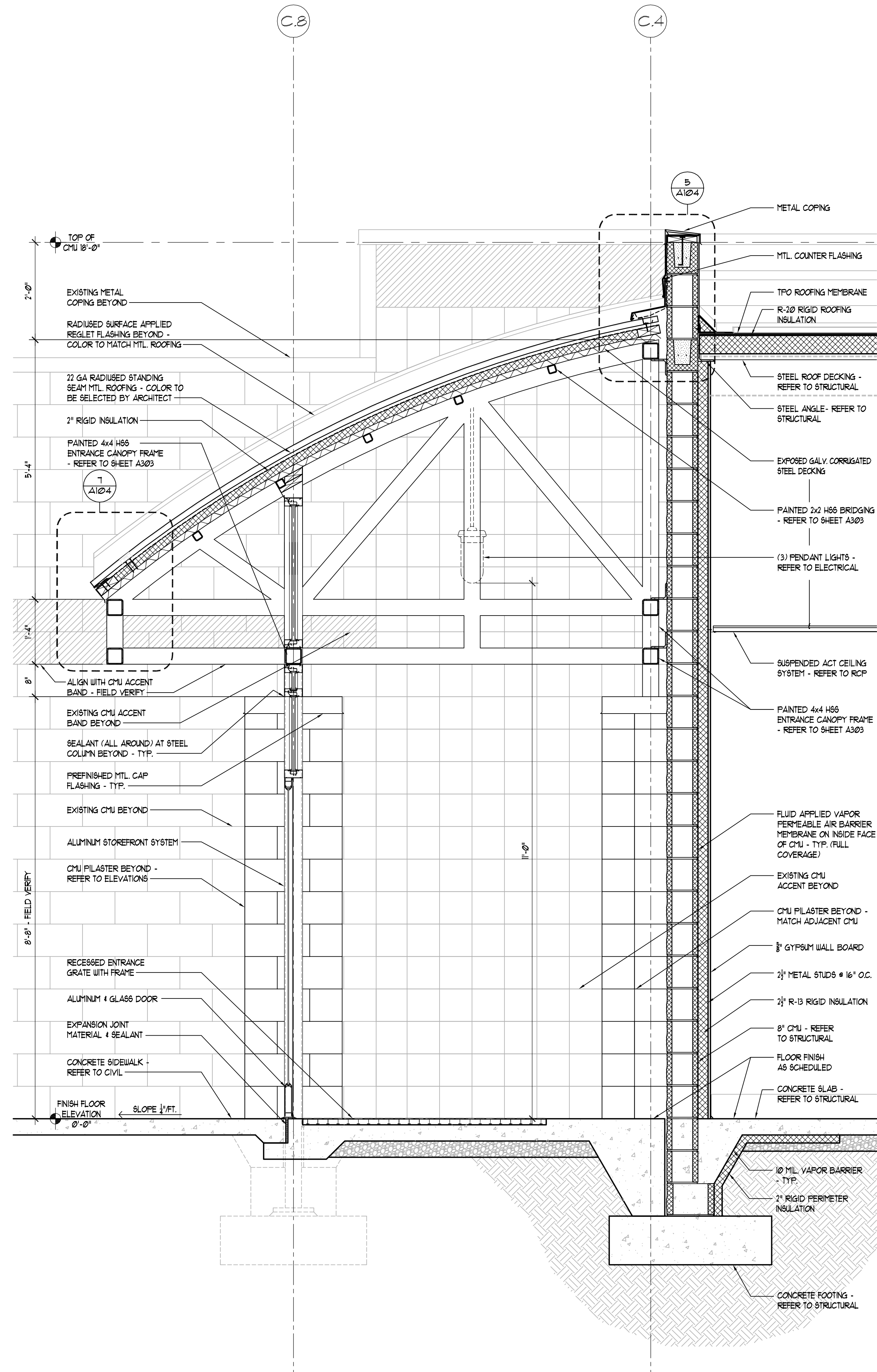
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FOR CONSTRUCTION

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



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

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09/23/2013: RELEASE FOR BID

12/01/13 FOR CONSTRUCTION

Revisions

Date 2/20/13-09-23 Job No. 1207007000

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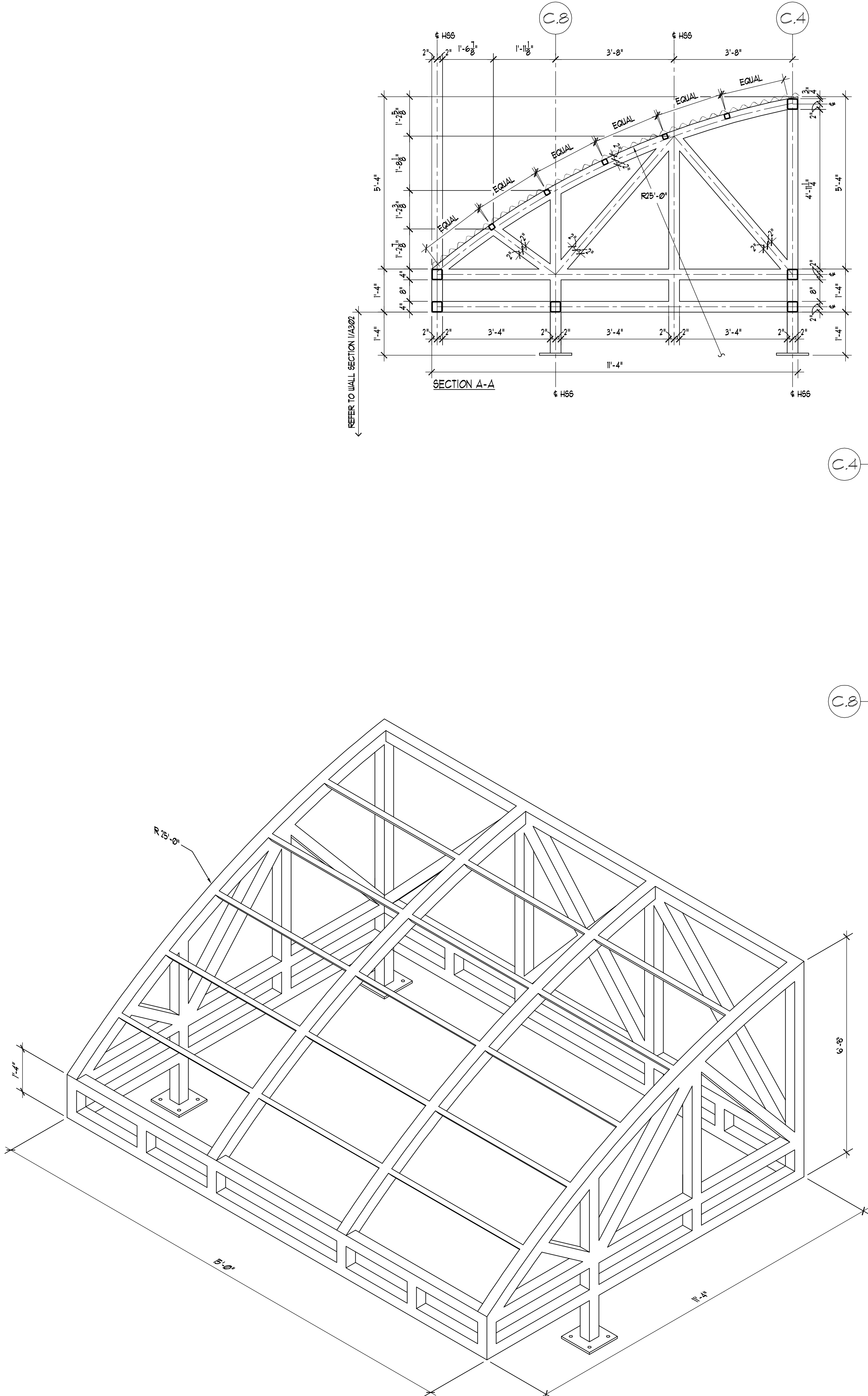
WALL
SECTIONS

Sheet No.

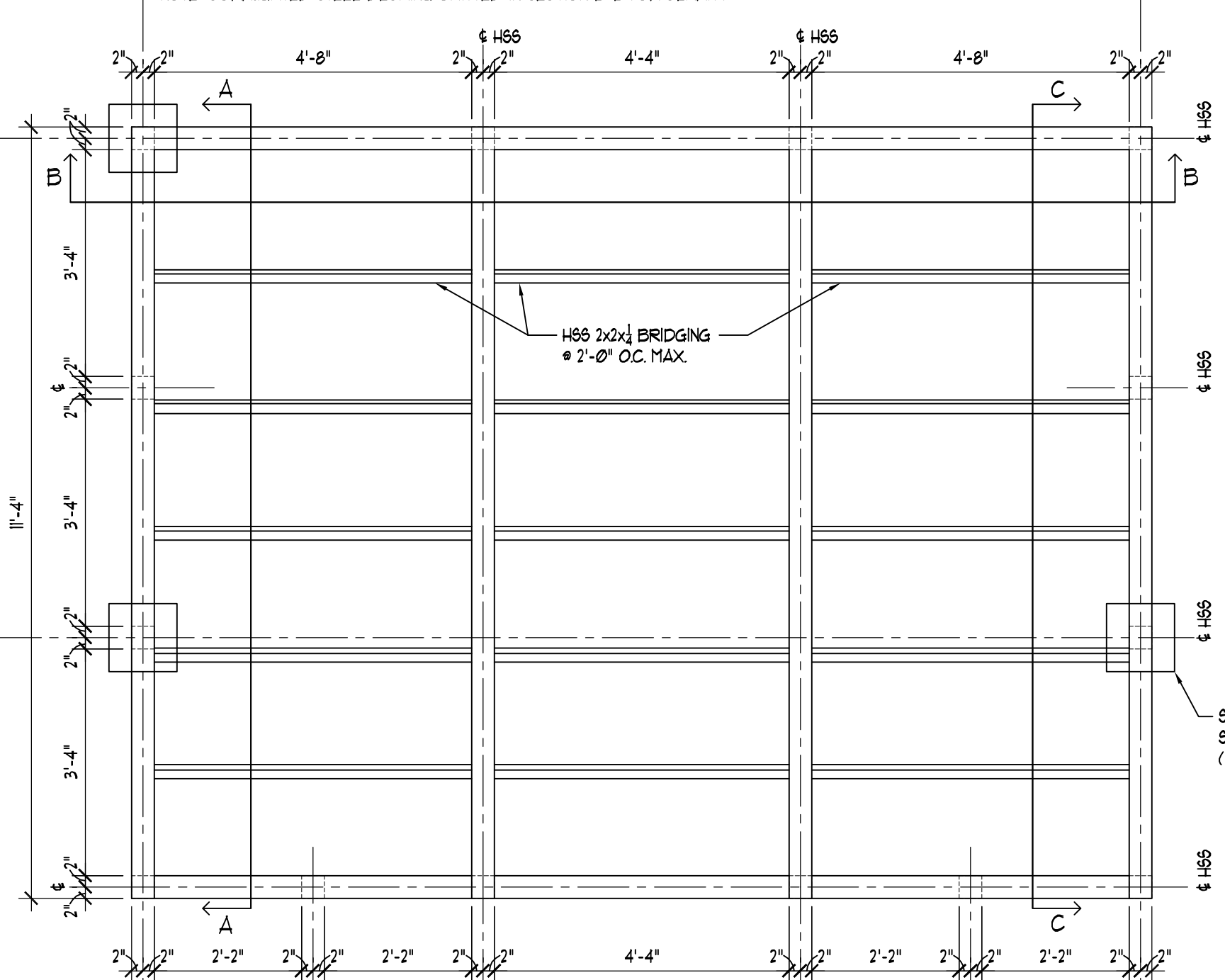
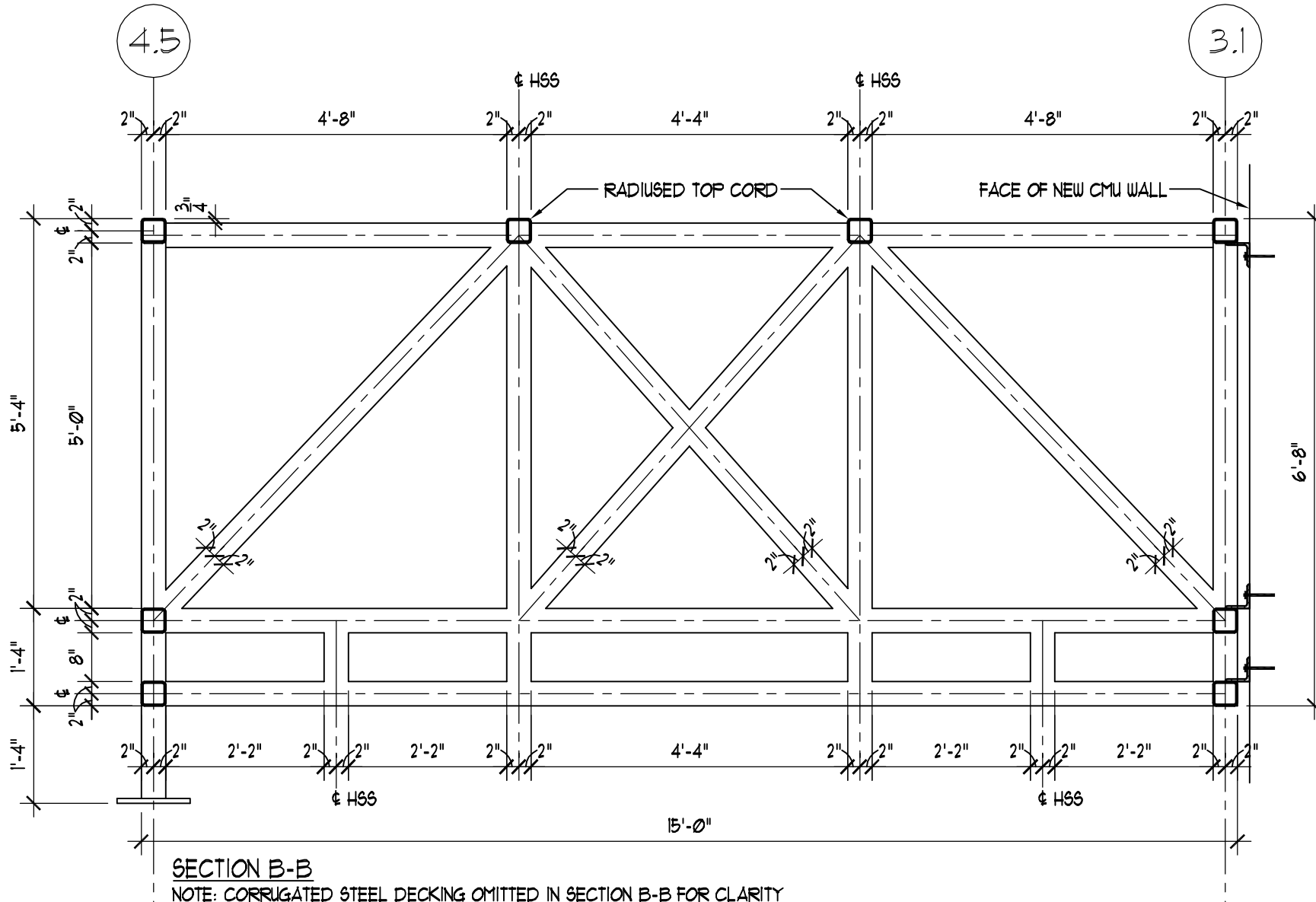
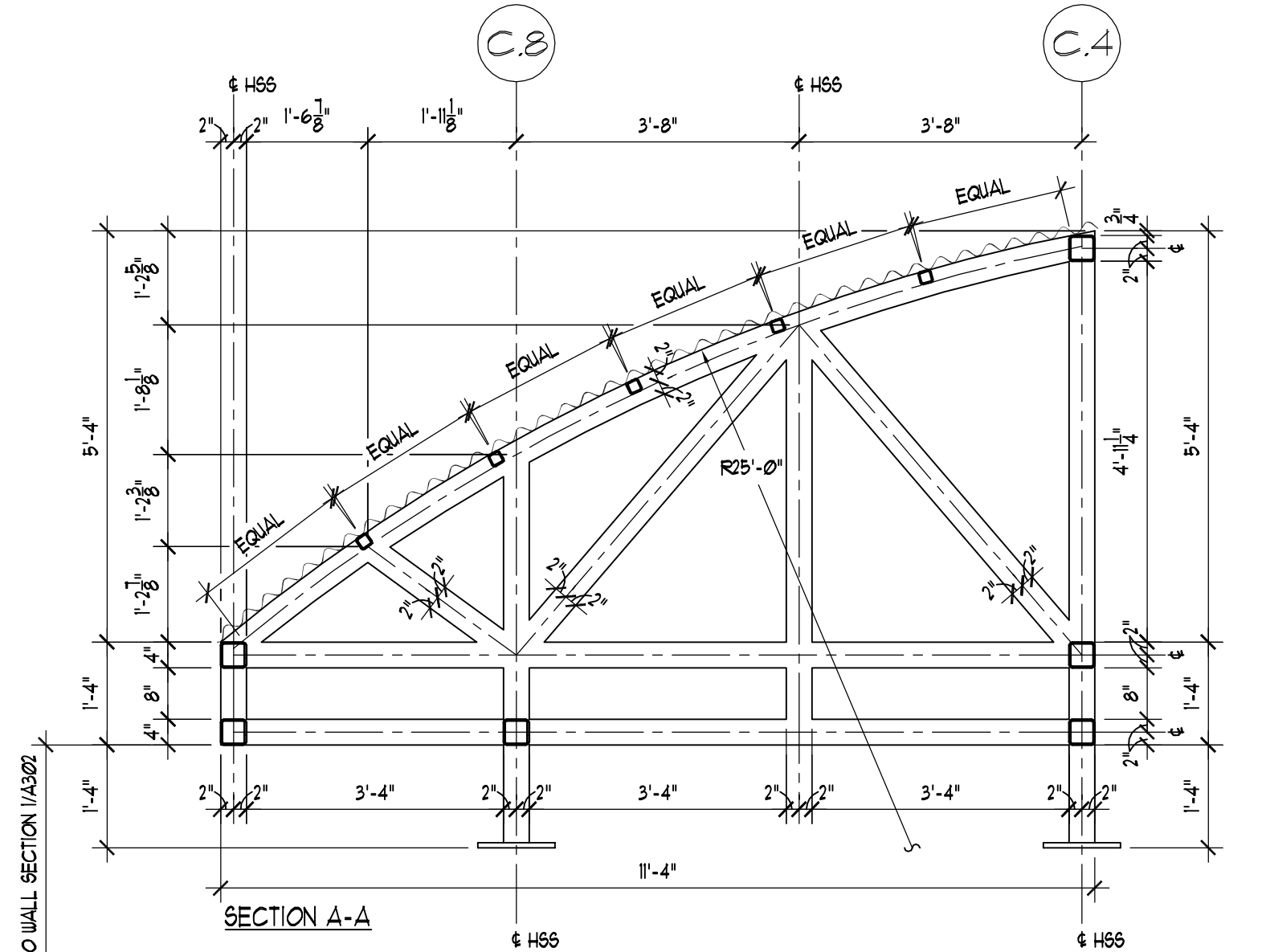
A-302

FOR CONSTRUCTION

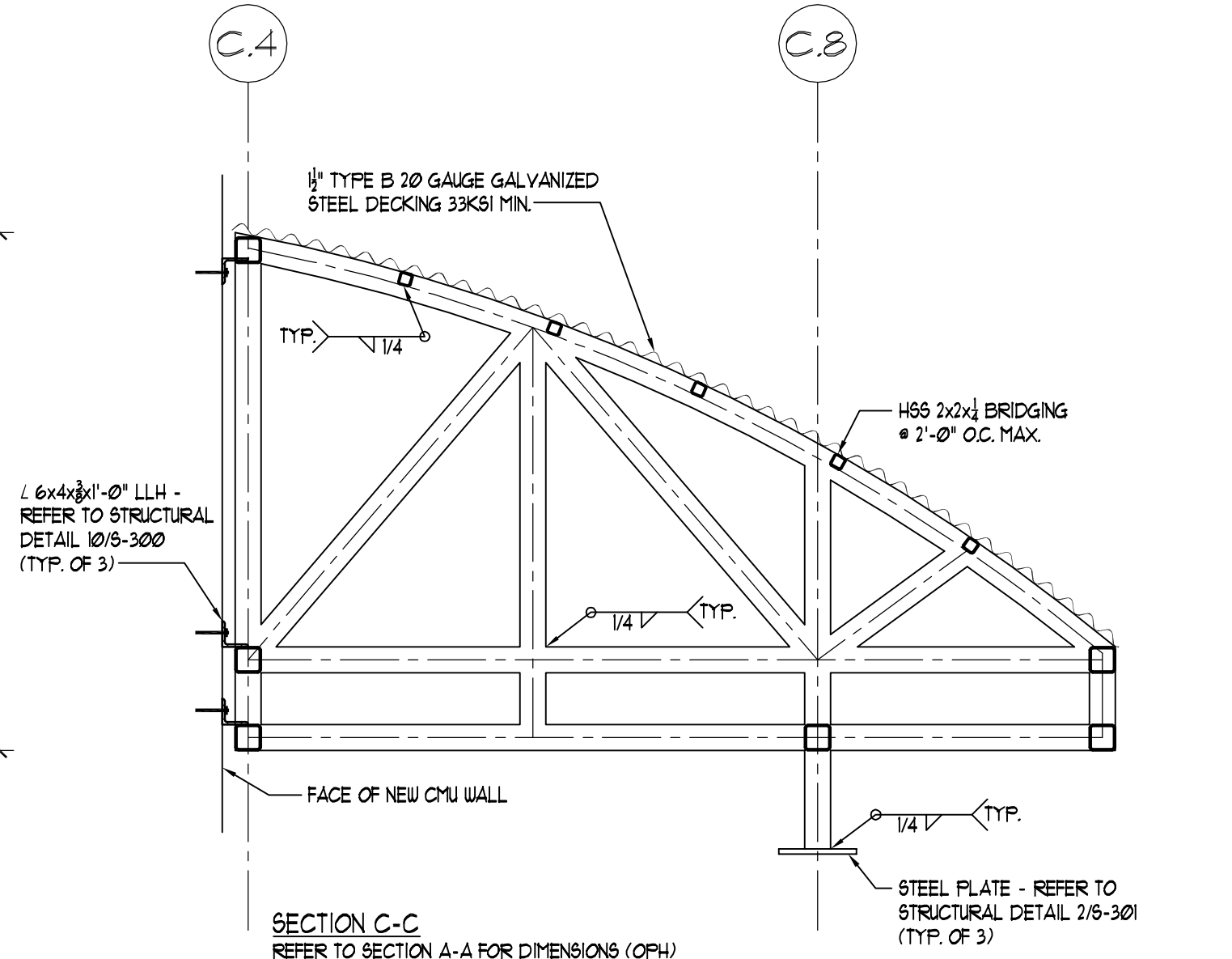
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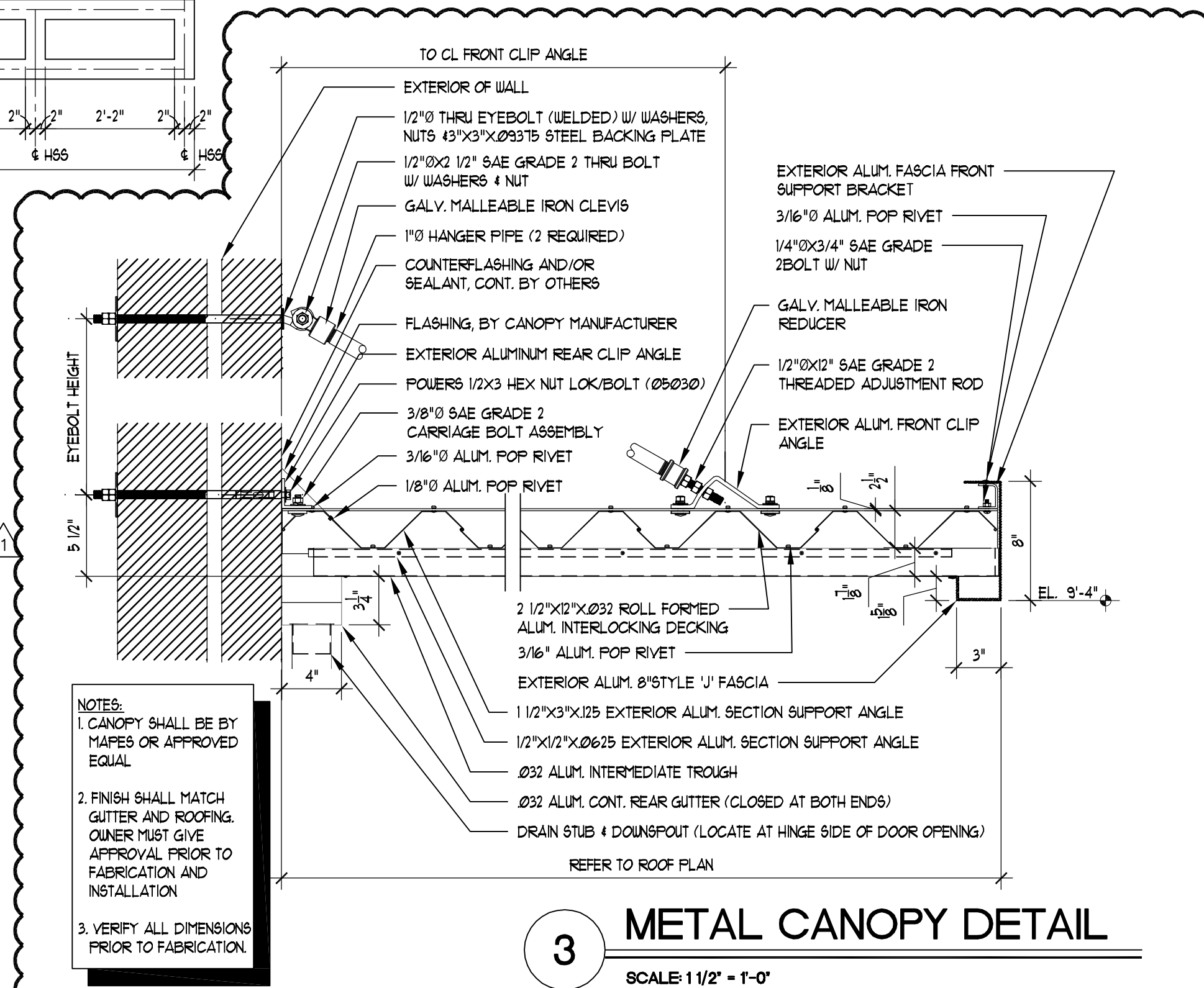
2 ENTRANCE CANOPY STEEL - ISOMETRIC
SCALE: 1/2" = 1'-0"



1 ENTRANCE CANOPY STEEL
SCALE: 1/2" = 1'-0"



- ENTRANCE CANOPY STEEL NOTES:
- ALL ENTRANCE CANOPY STEEL COMPONENTS ARE TO BE "ARCHITECTURALLY EXPOSED STRUCTURAL STEEL" AS DEFINED BY AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, LATEST EDITION.
 - REFER TO STRUCTURAL DRAWINGS (TYPICAL DETAILS & NOTES) FOR THE BALANCE OF INFORMATION.
 - ALL STEEL MEMBERS TO BE HSS 4x4x1/4 UNLESS NOTED OTHERWISE.
 - SHOP GRIND ALL WELDS SMOOTH AND PREPARE TO RECEIVE PRIMER. SEAMS BETWEEN COPLANAR SURFACES SHALL NOT BE VISIBLE.
 - SHOP PRIME ALL FABRICATED STRUCTURAL STEEL WITH ONE COAT OF A STANDARD STEEL GREY PRIMER PAINT TO A DRY FILM THICKNESS OF 15 MILS. TOUCH-UP PAINT FIELD WELDED AREAS WITH THE SAME PRIMER.
 - PRIOR TO STEEL FABRICATION, SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ARCHITECT, ENGINEER, AND GENERAL CONTRACTOR - REFER TO SPECIFICATIONS. - EXAMPLES OF COMPONENTS FOR INSPECTION AND ACCEPTANCE STANDARDS MAY BE REQUESTED PRIOR TO THE START OF FABRICATION.
 - PRIOR TO ERECTION - FIELD APPLY FINAL COAT OF PAINT TO ALL SURFACES, WHICH MAY BE CONCEALED ONCE THE ENTRANCE CANOPY FRAME IS IN ITS FINAL POSITION. REFER TO SPECIFICATIONS.



3 METAL CANOPY DETAIL
SCALE: 1 1/2" = 1'-0"

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12/01/13 APPENDIXES AND CLARIFICATIONS

Date 2/20/13-03-23 Job No. 1201007000

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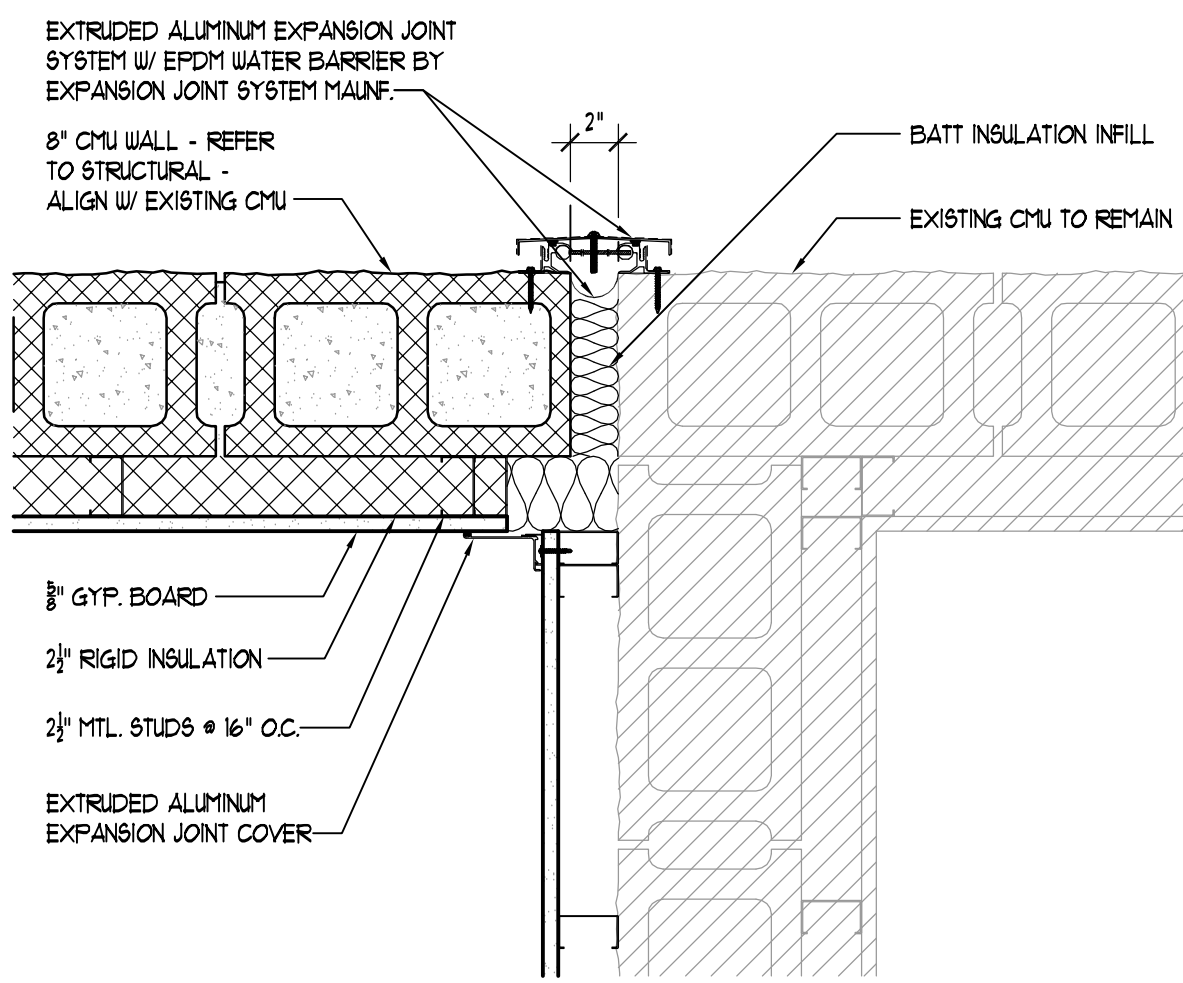
ARCHITECTURAL STEEL
DETAILS AND NOTES

Sheet No.

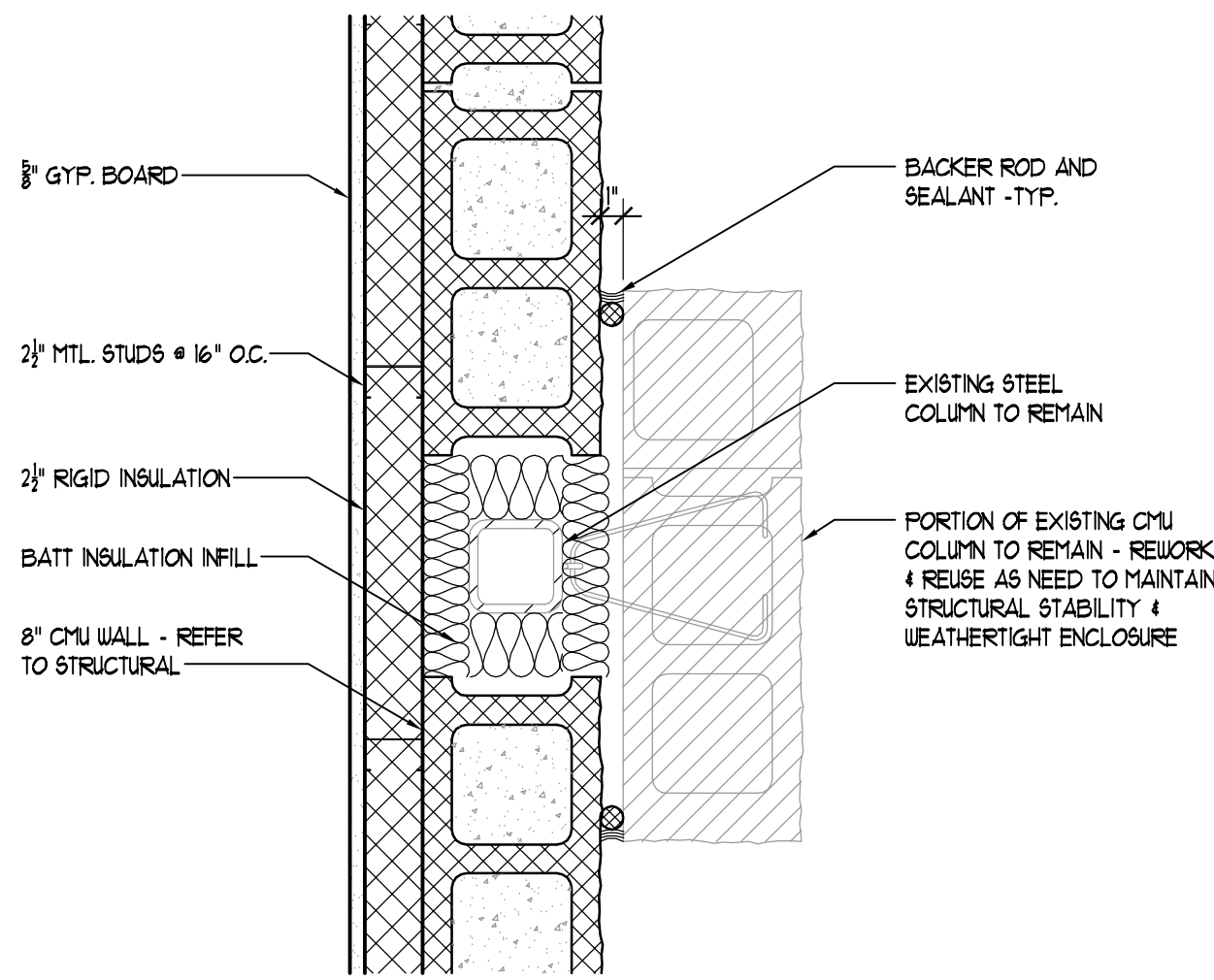
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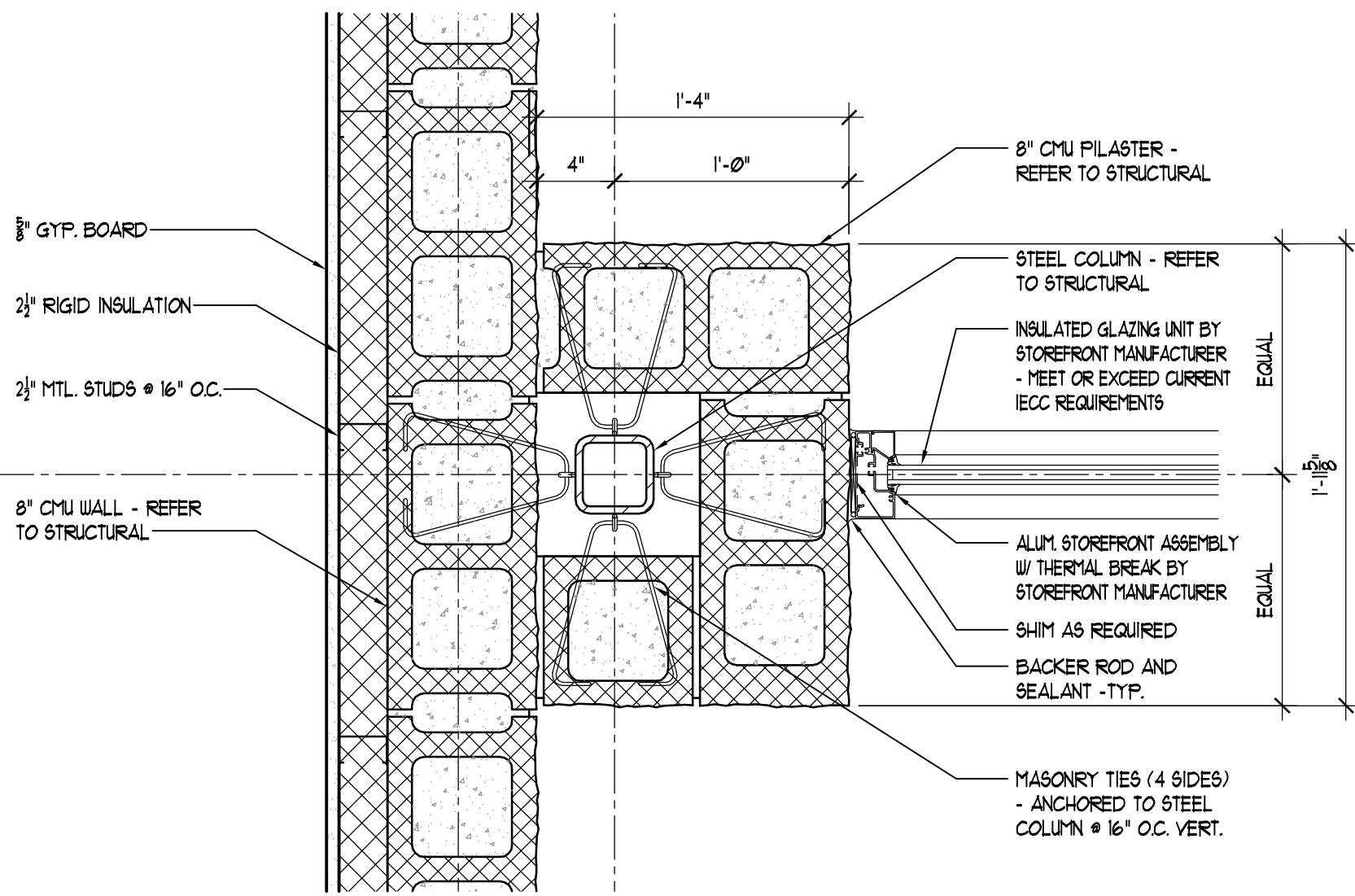
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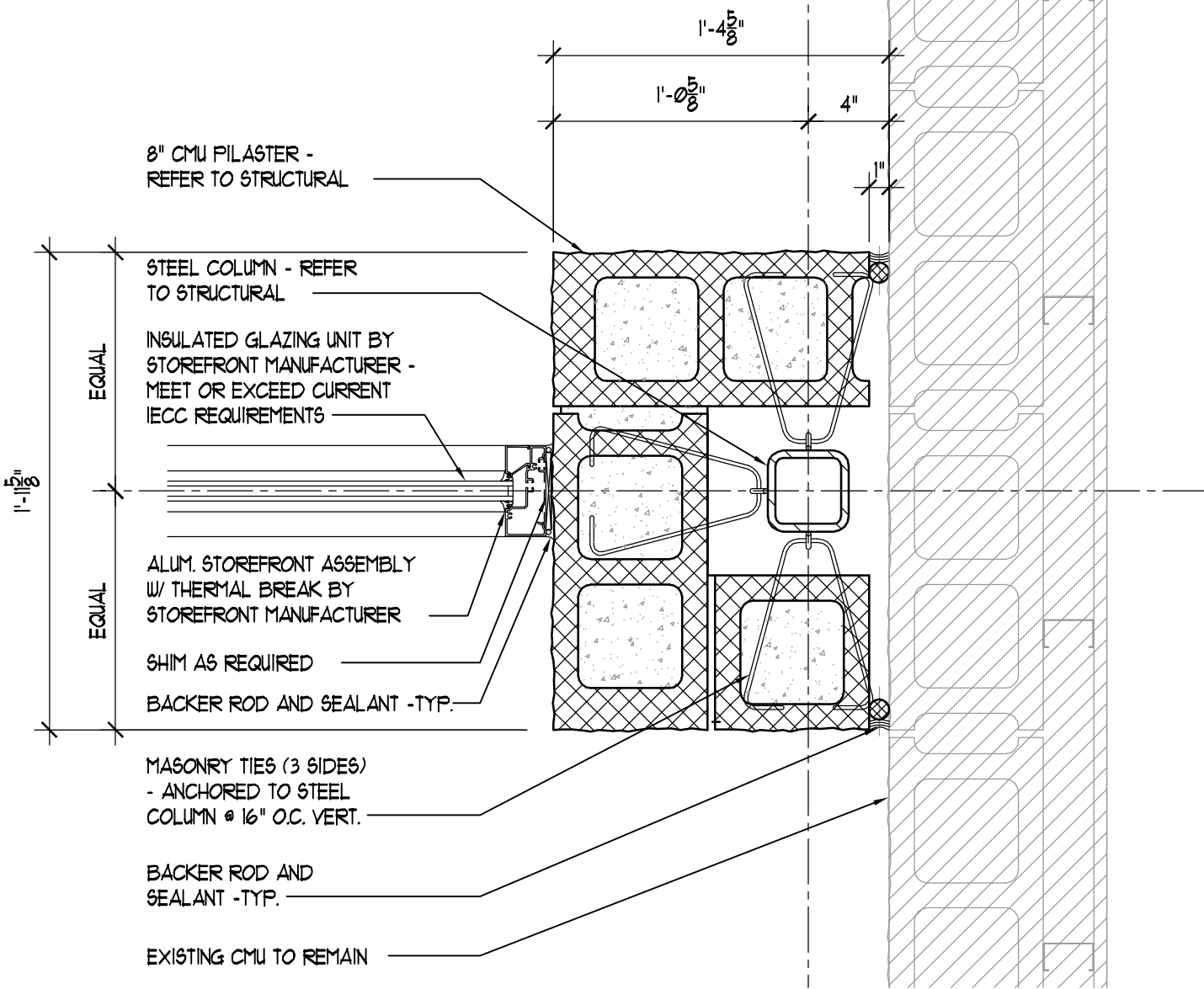
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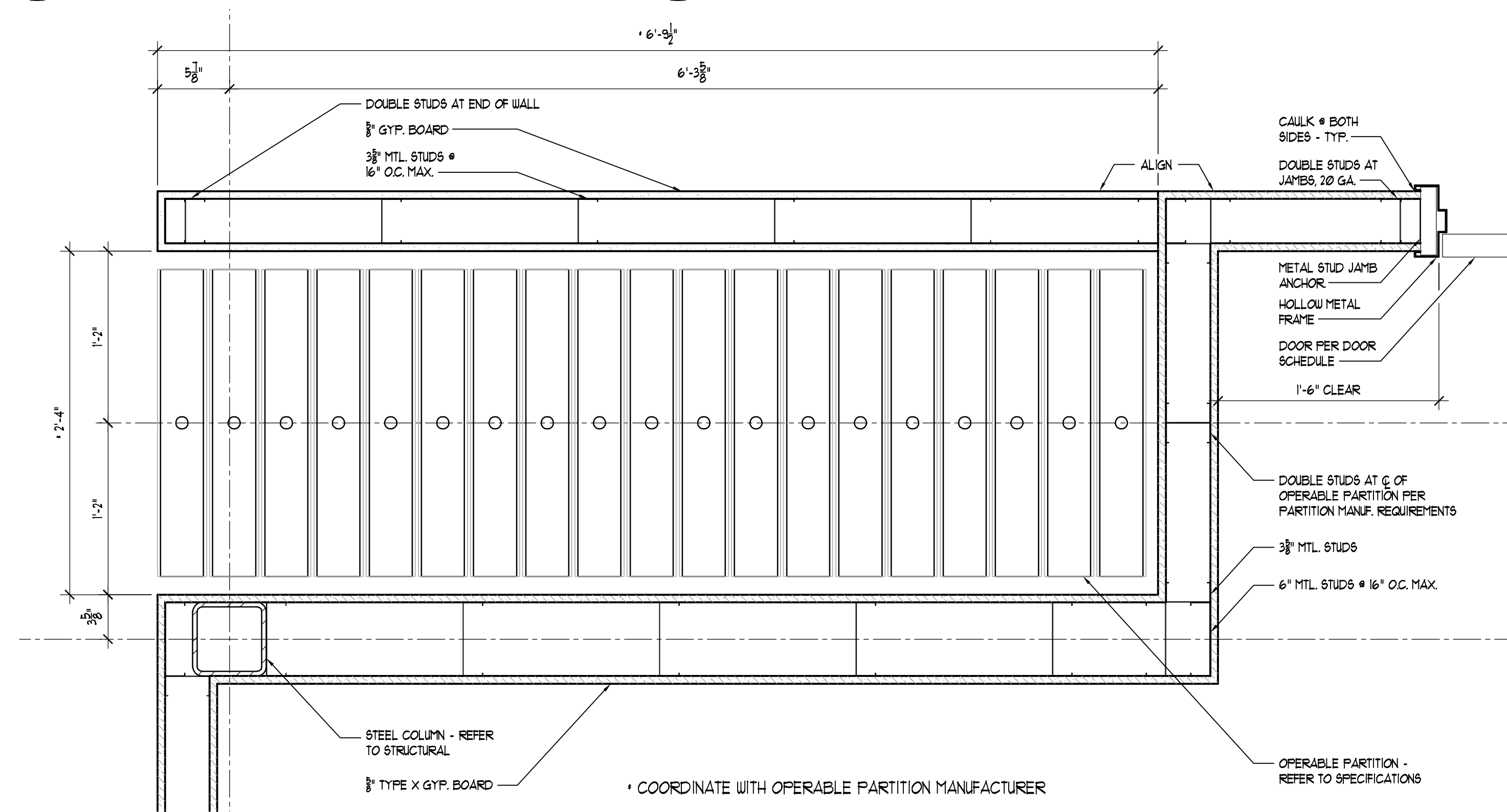
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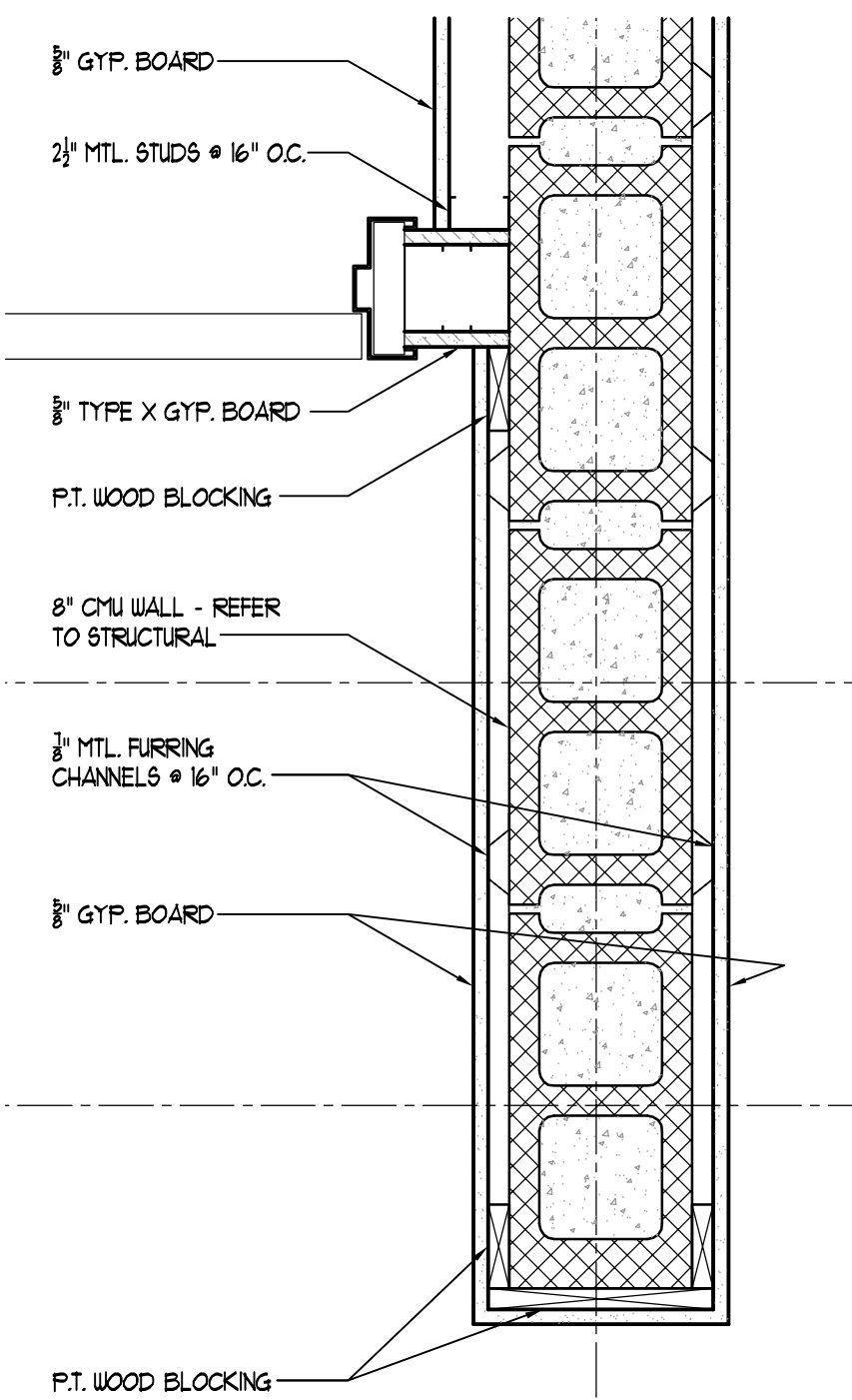
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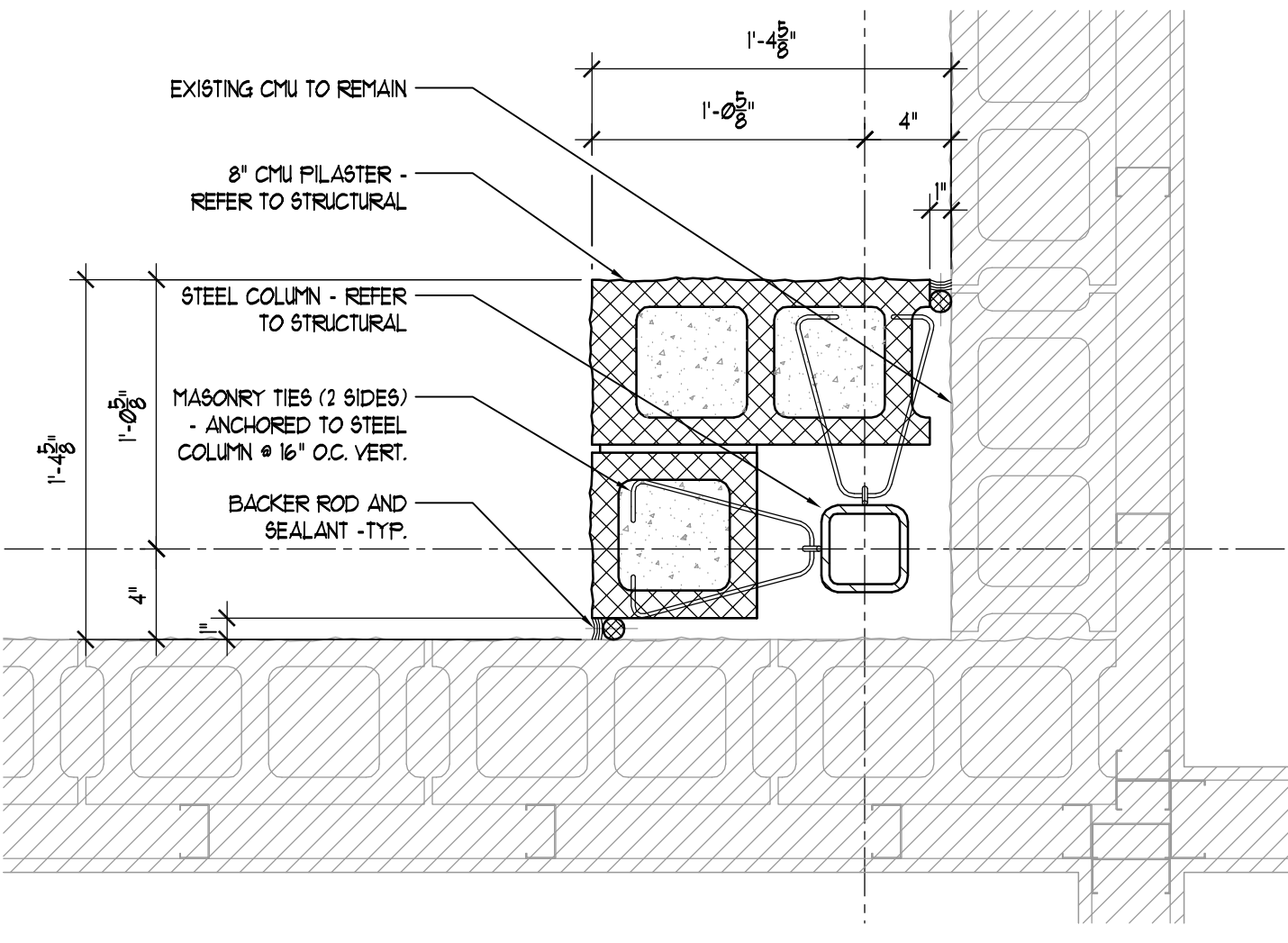
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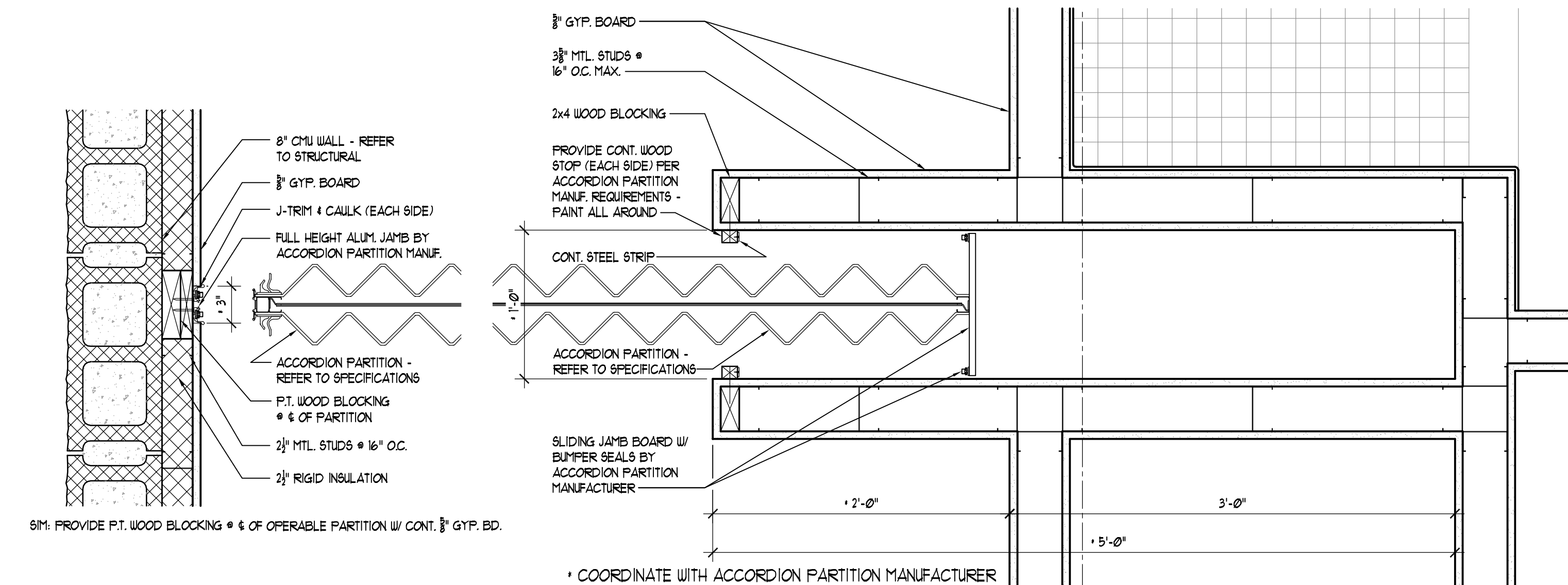
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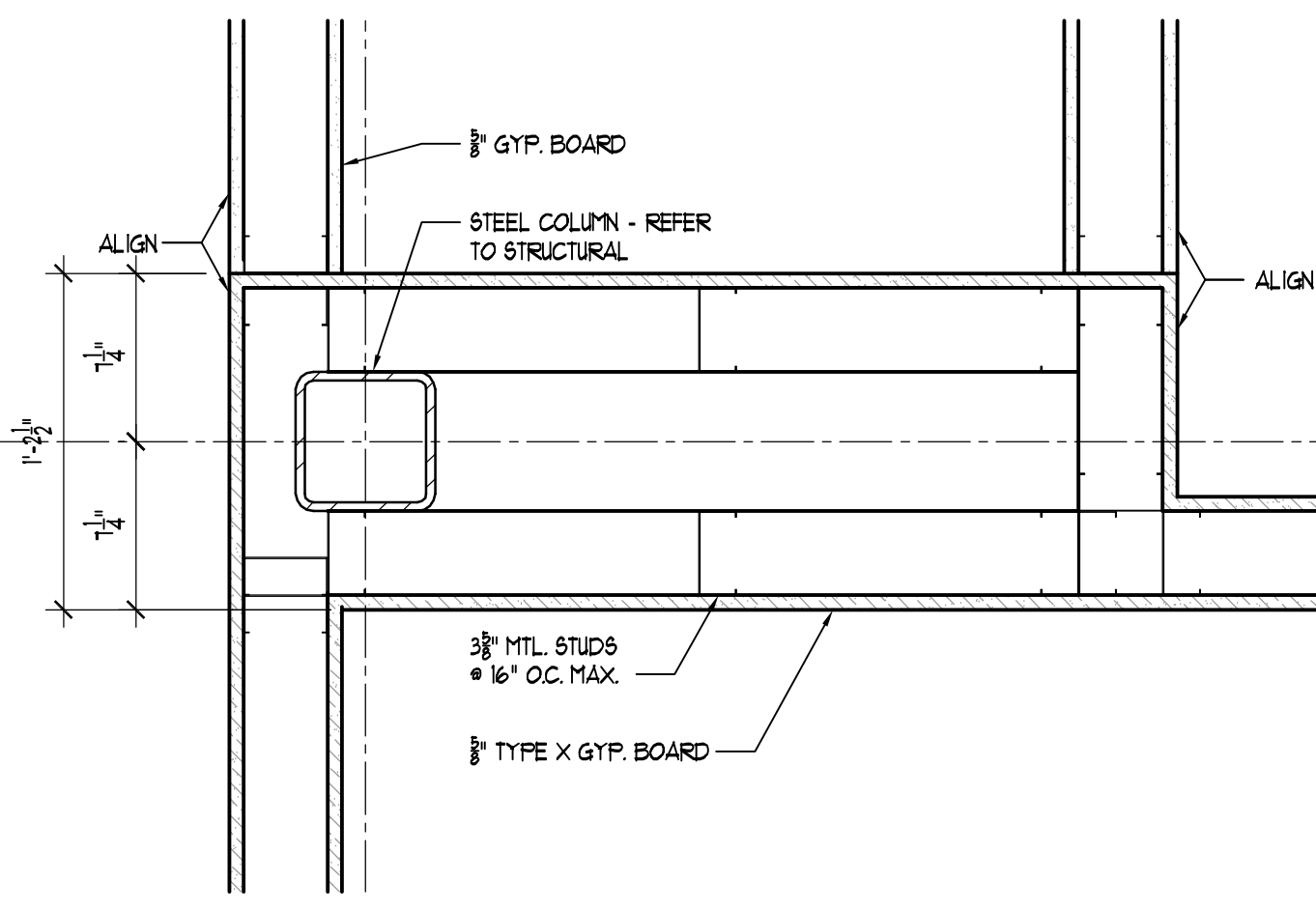


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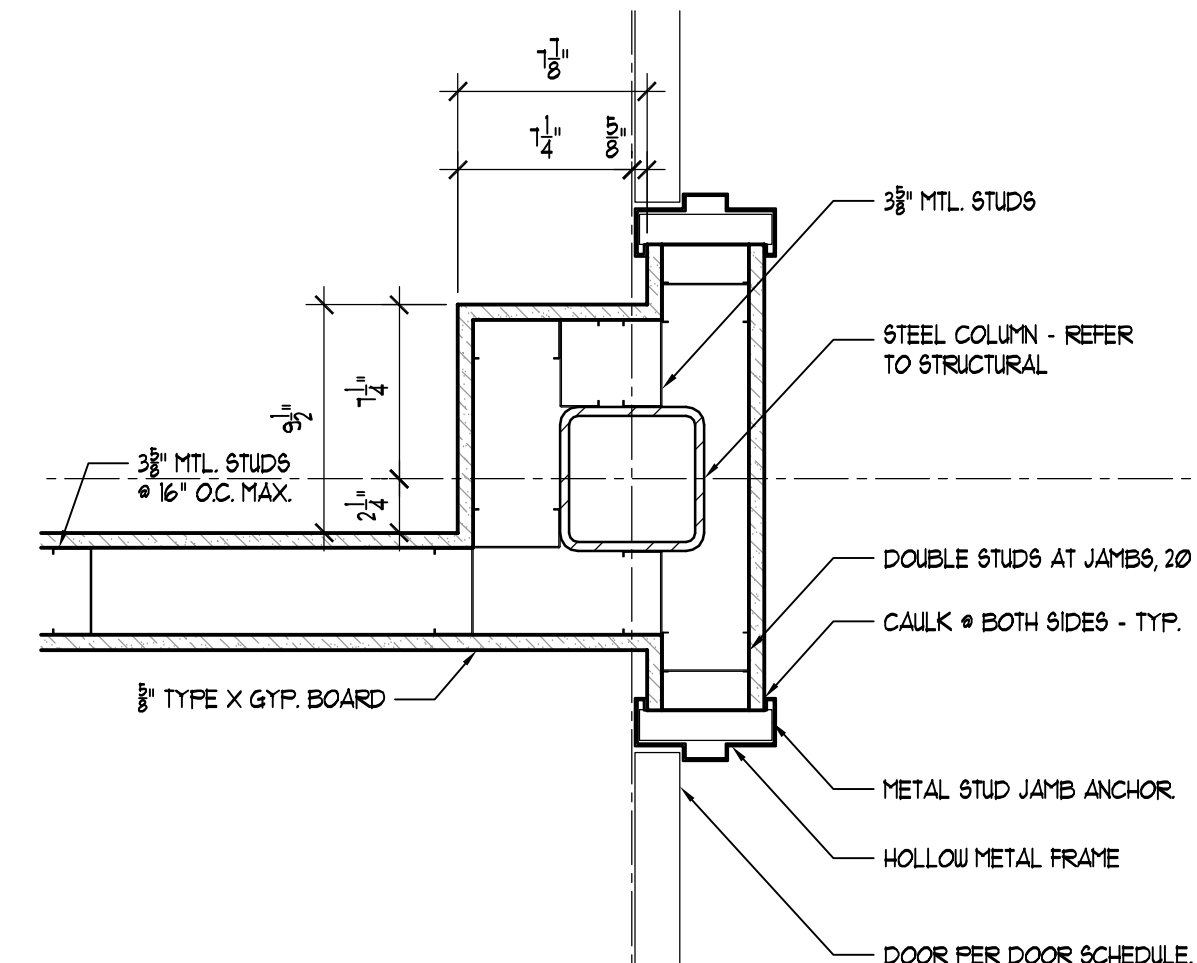


4 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

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



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



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

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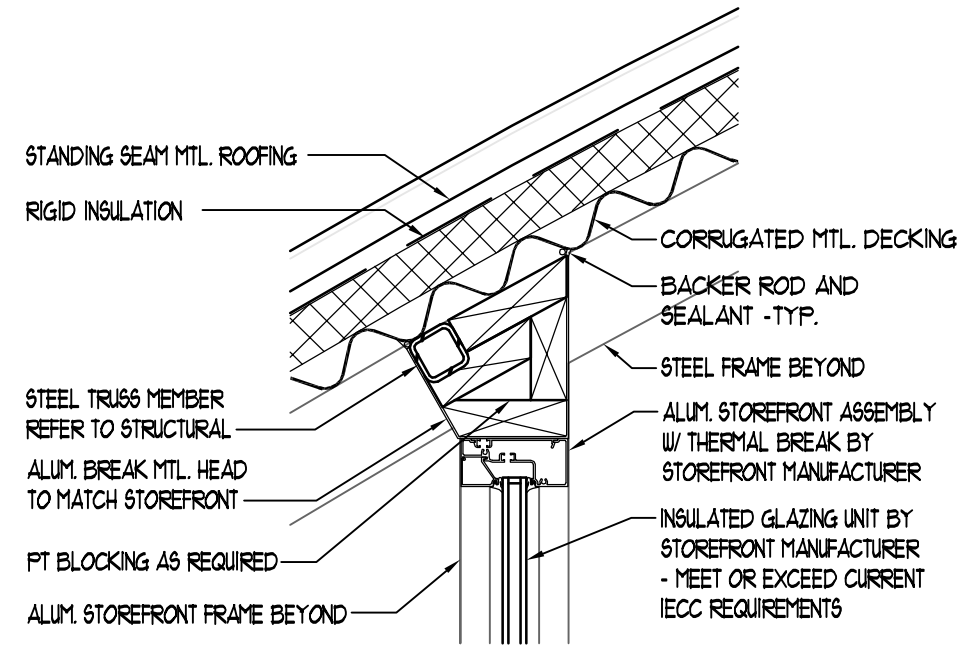
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DETAILS

Sheet No.

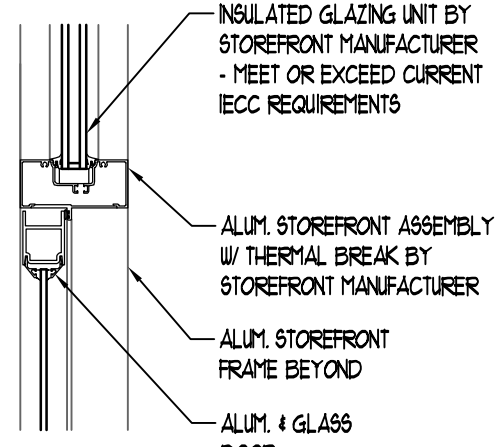
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FOR CONSTRUCTION

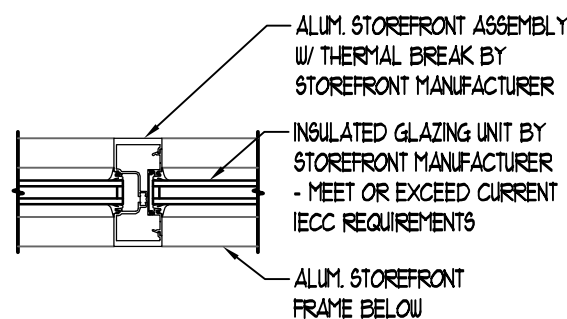
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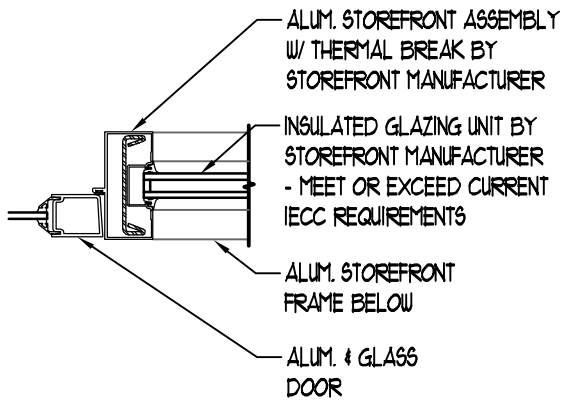
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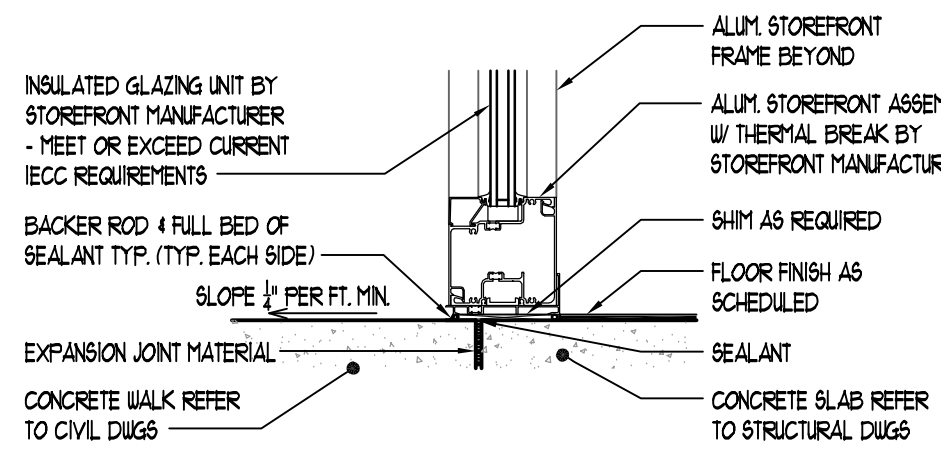
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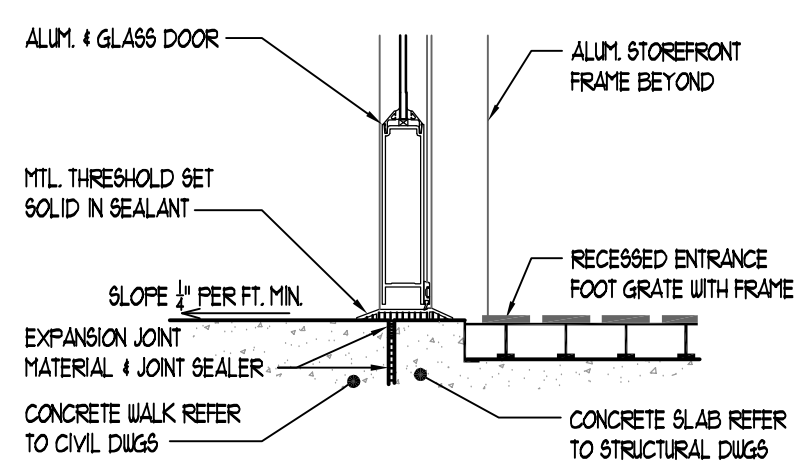
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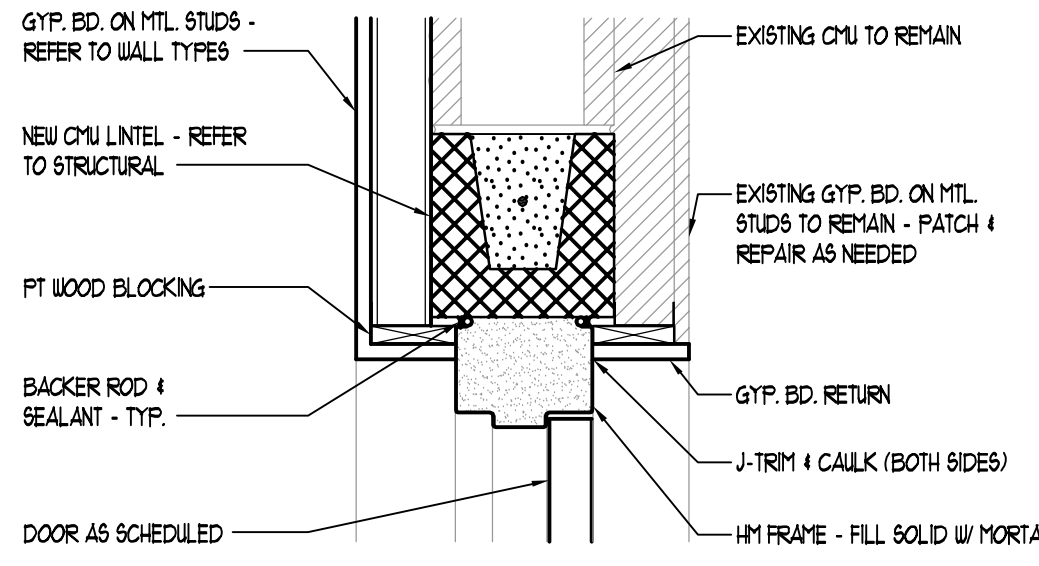
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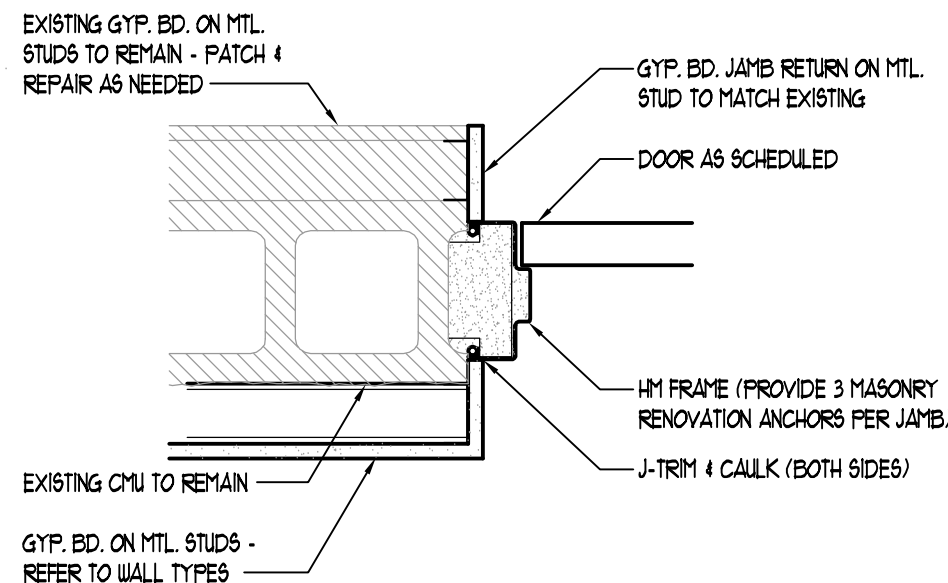
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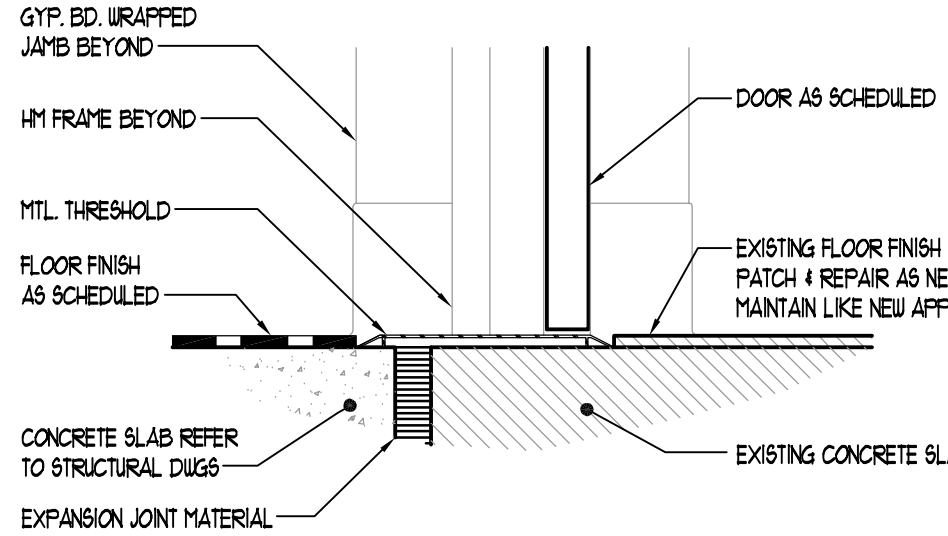
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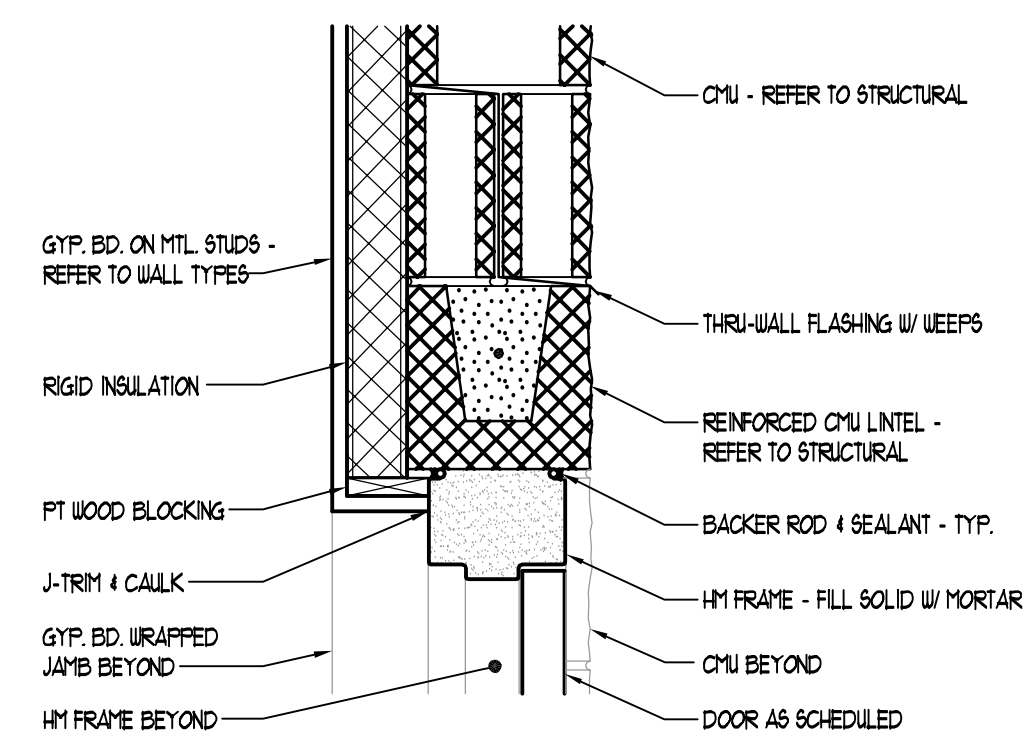
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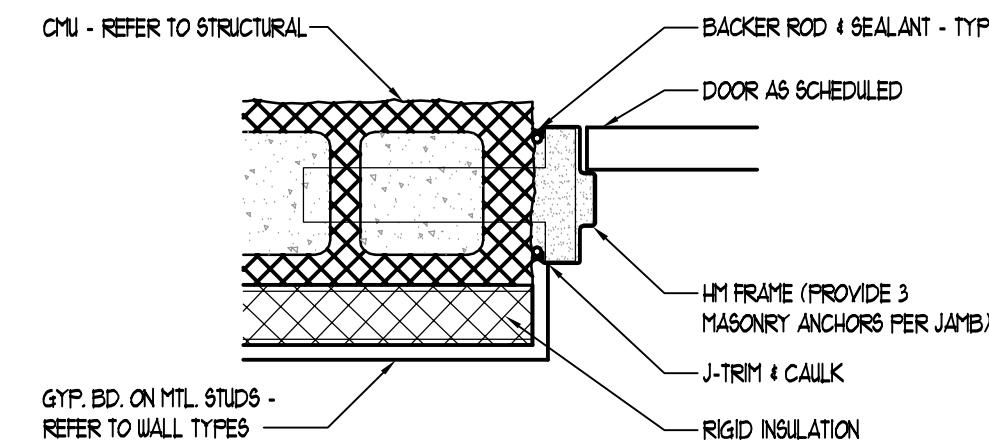
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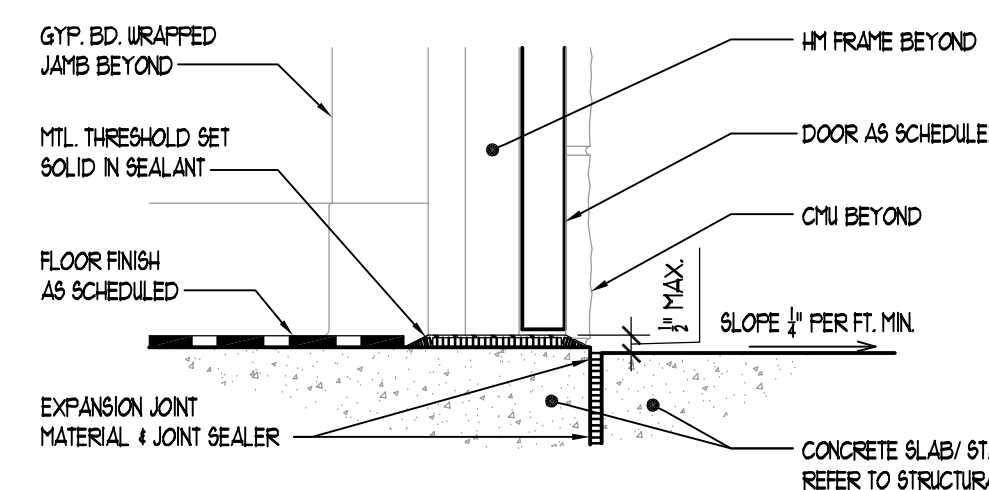
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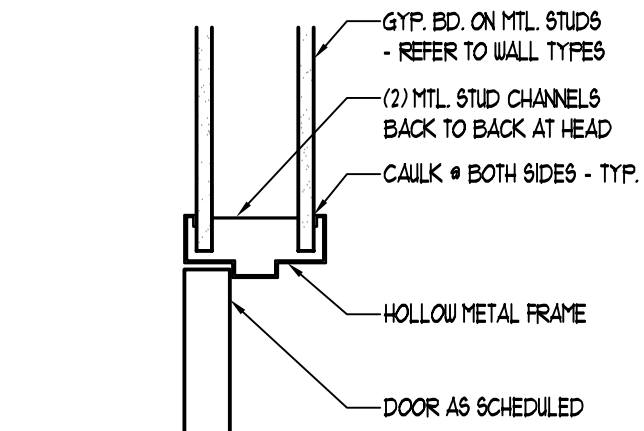
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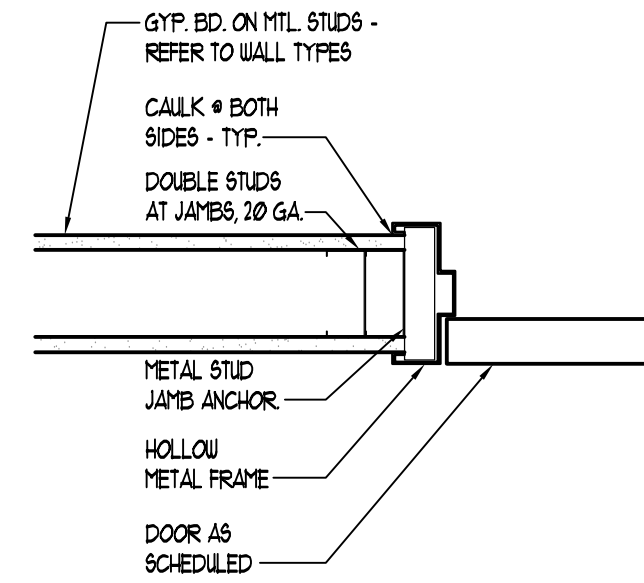
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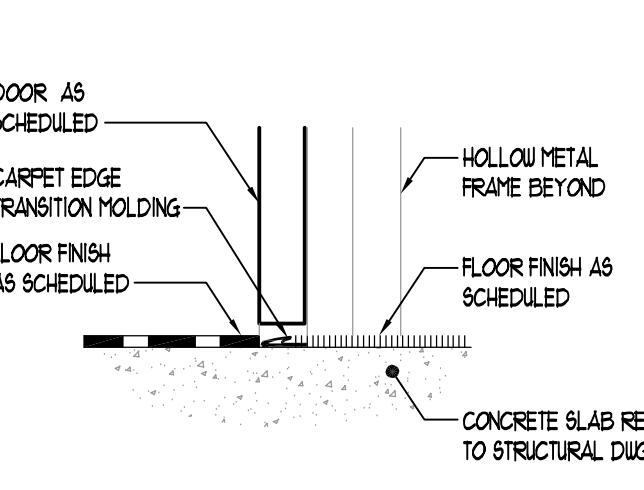
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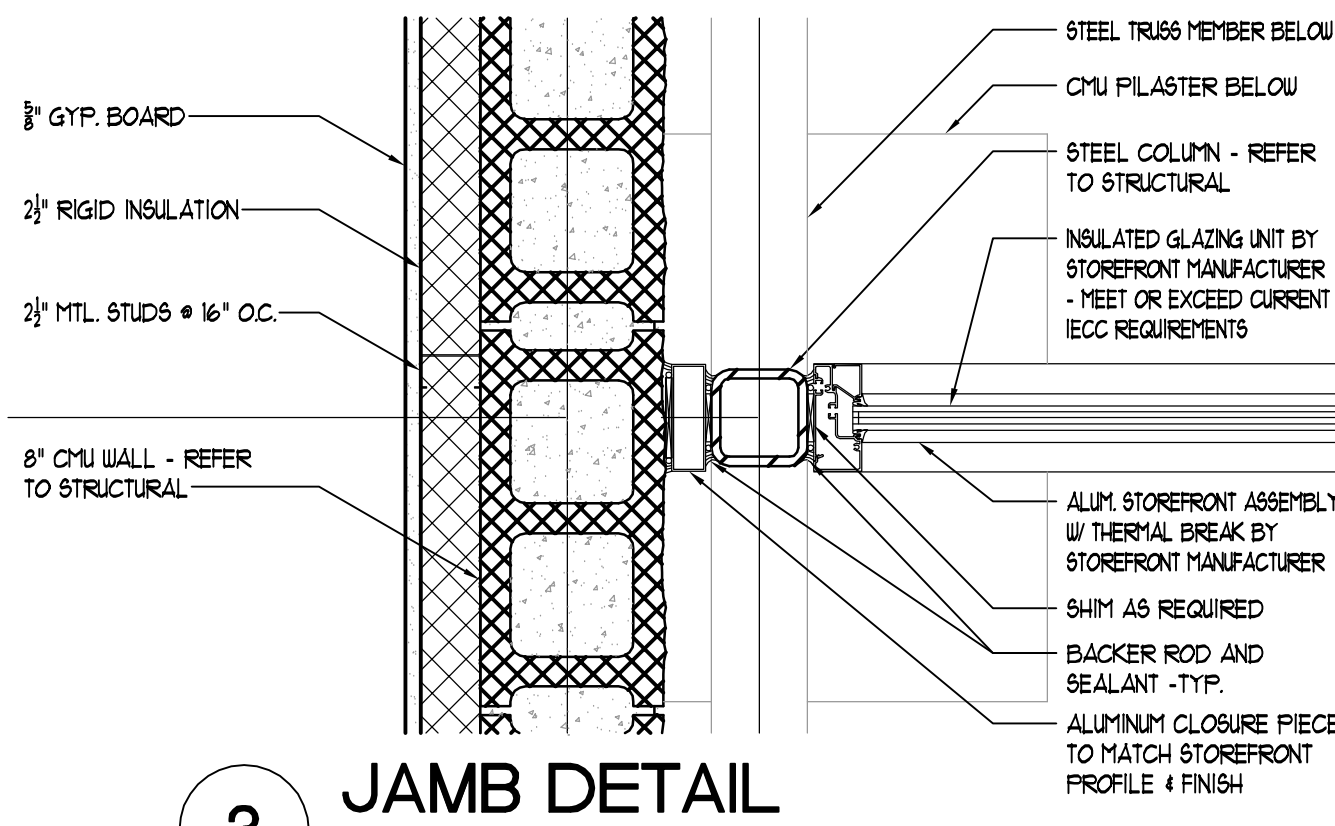
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5 JAMB DETAIL
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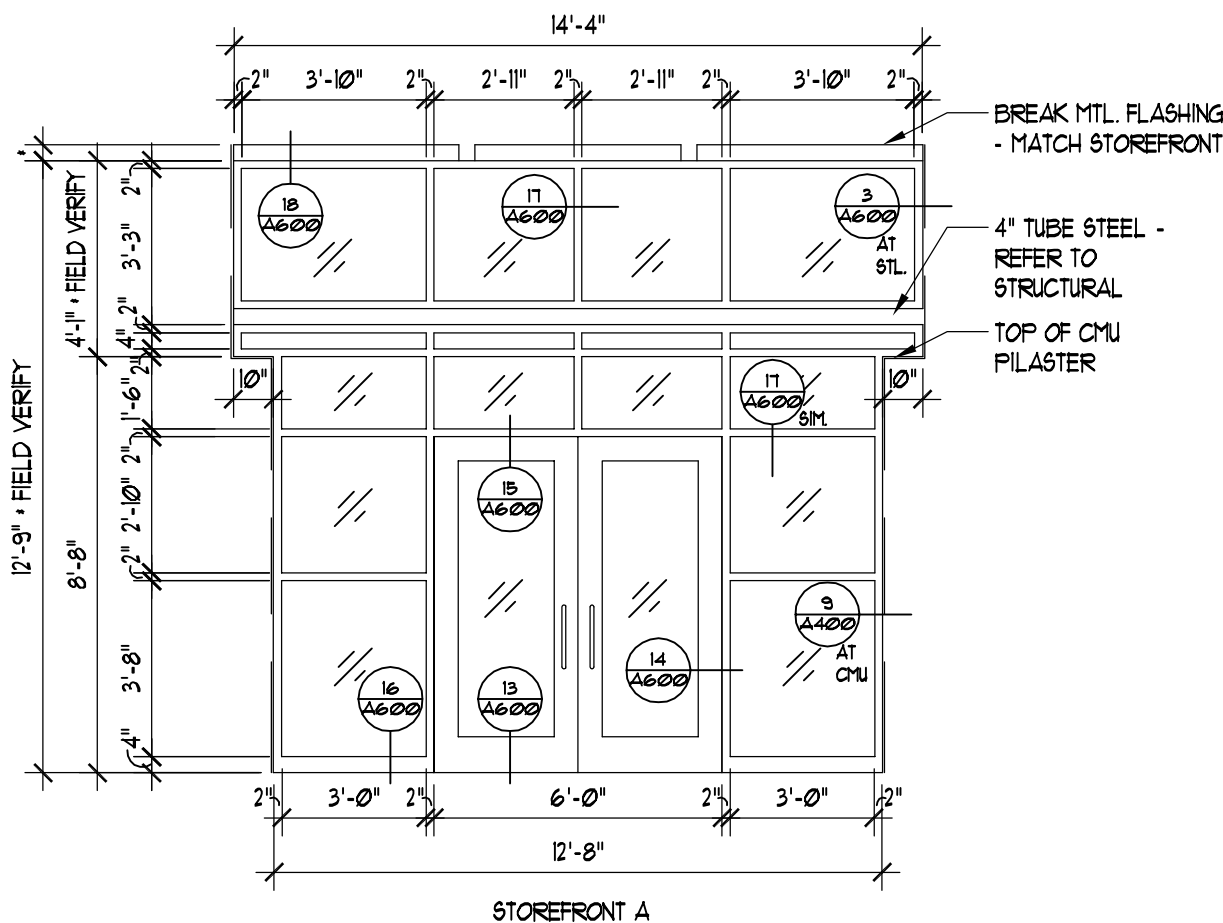


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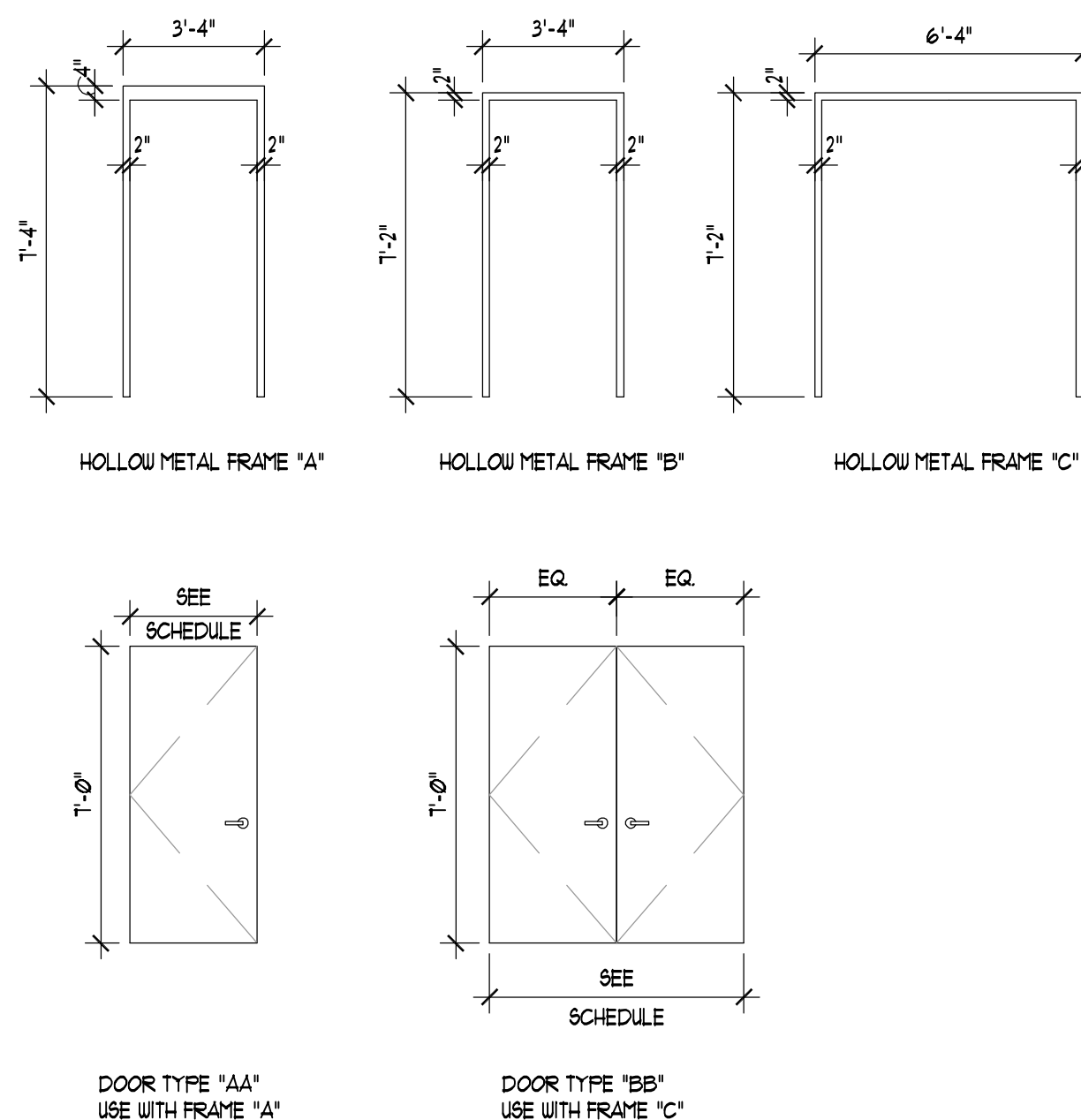


3 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

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101B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	4
101C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	4
102A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	6
102B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
102C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
103A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	7
103B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	7
103C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	7
104A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	8
104B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	8
104C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	8
105A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	31
105B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	31
105C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	31
106A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
106B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
106C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
107A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
107B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
107C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
108A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
108B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
108C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
109A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
109B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
109C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
110A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
110B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
110C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
111A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
111B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
111C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
112A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
112B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
112C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
113A	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
113B	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5
113C	3'-0" x 1'-0"	AA	MTL	PT-4	B	HM	PT-4	6/16/00	5/16/00	---	5



2 EXTERIOR STOREFRONT
SCALE: 1/8" = 1'-0"



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

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Sheet Title

DOOR SCHEDULE
AND DETAILS

Sheet No.

A-600

FOR CONSTRUCTION

General Notes

1. GENERAL

1.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINES' DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.

1.2 DESIGN CRITERIA:

A. CODES AND SPECIFICATIONS:

1. GENERAL BUILDING CODE:
INTERNATIONAL BUILDING CODE, 2006
EDITION WITH 2007, 2009, 2010 GEORGIA AMENDMENTS.
2. CONCRETE:
BUILDING CODE REQUIREMENTS FOR STRUCTURAL
CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318-05.
3. STRUCTURAL STEEL:
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS,
AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360-05.
4. STEEL JOISTS:
STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES
FOR STEEL JOISTS AND JOIST GIRDERS, STEEL JOIST
INSTITUTE, SJI.
5. STEEL DECK:
STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS,
FORM DECKS, ROOF DECKS AND CELLULAR METAL FLOOR DECK WITH
ELECTRICAL DISTRIBUTION.
6. COLD-FORMED METAL FRAMING:
NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED
STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUT
7. MASONRY:
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, ACI
530-05. SPECIFICATION FOR MASONRY STRUCTURES, ACI 530.1-05

B. DESIGN LOADS (PSF):

1. DEAD LOADS:
ROOF -----25

ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN
ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE
REPORTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER
FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE
STRUCTURE.

2. LIVE LOADS:
ROOF (REDUCIBLE)-----20
FLOOR-----100
STORAGE (NON-REDUCIBLE) -----125

LIVE LOAD REDUCTIONS HAVE BEEN APPLIED IN ACCORDANCE
WITH THE BUILDING CODE, UNLESS NOTED.

3. SNOW LOAD:
GROUND SNOW LOAD (Pg)-----5.0
FLAT-ROOF SNOW LOAD (Pf)-----6.0
SNOW EXPOSURE FACTOR (Ce)-----1.0
SNOW LOAD IMPORTANCE FACTOR (Is)-----1.2
THERMAL FACTOR (Ct)-----1.0

4. WIND LOADS:
BASIC WIND SPEED (3 - SECOND GUST)-----90 MPH
WIND IMPORTANCE FACTOR (Iw)-----1.15
BUILDING CATEGORY-----IV
WIND EXPOSURE CATEGORY-----B
INTERNAL PRESSURE COEFFICIENT-----+/-0.18

WALL COMPONENT AND CLADDING WIND PRESSURE-SEE DRAWINGS

5. SEISMIC LOADS:
SEISMIC IMPORTANCE FACTOR (Ie)-----1.5

MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss-----0.203
S1-----0.081
SITE CLASS-----D (ASSUMED)
SITE COEFFICIENTS:
Fa-----1.60
Fv-----2.40

DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
Sds-----0.217
Sd1-----0.130
SEISMIC DESIGN CATEGORY-----C
BASIC SEISMIC-FORCE-RESISTING SYSTEM:

DESIGN BASE SHEAR-----36 KIPS

SEISMIC RESPONSE COEFFICIENT (Cs)-----0.163
RESPONSE MODIFICATION FACTOR(R)-----2.0
OVER-STRENGTH FACTOR (Do)-----2.50
DEFLECTION AMPLIFICATION FACTOR (Cd)-----1.75

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD

REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR
SEISMIC SUPPORT AND ATTACHMENT REQUIREMENTS FOR UTILITIES.

1.3 EXISTING CONDITIONS:

- A. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND
SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. NOTIFY
STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR
TO FABRICATION/CONSTRUCTION.
- B. THE CONTRACTOR SHALL OBTAIN A COPY OF THE EXISTING BUILDING
DRAWINGS TITLED "FAYETTE COUNTY COMMUNICATIONS BUILDING", PREPARED BY
SLATER PAULL & ASSOCIATES, INC., DATED 09-08-95, AND "FAYETTE COUNTY 911
CENTER", PREPARED BY ROSENBAUM ENGINEERING, INC., DATED AUG, 1 2008
THAT WERE USED IN THE PREPARATION OF THESE DOCUMENTS. NOTIFY STRUCTURAL
ENGINEER AND ARCHITECT OF ANY DISCREPANCIES OF THE EXISTING CONDITIONS
AND DIMENSIONS PRIOR TO FABRICATION/CONSTRUCTION.

1.4 INSPECTIONS/OBSERVATIONS:

- A. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT IN ACCORDANCE
WITH INTERNATIONAL BUILDING CODE. REFER TO PROJECT SPECIFICATIONS
AND DRAWINGS.
- B. STRUCTURAL OBSERVATION BY STRUCTURAL ENGINEER'S OFFICE.
1. STRUCTURAL OBSERVATION IS VISUAL OBSERVATION OF THE IN-
PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED
CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION.
2. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AND ARCHITECT,
PER THE SCHEDULE STATED BELOW, WHEN SUCH ITEMS HAVE
PROGRESSED TO THE POINT WHERE THEY WILL BE IN PLACE AND
READY FOR REVIEW. FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF
COMPLETED CONSTRUCTION.

NOTIFY PRIOR TO THE REQUIRED DAYS
FOLLOWING SCHEDULED TASKS NOTIFICATION

FIRST FOUNDATION POUR-----2 DAYS
GROUTING MASONRY WALL CONSTRUCTION-----2 DAYS
COVERING METAL ROOF DECK-----2 DAYS

- C. OBSERVATION BY THE STRUCTURAL ENGINEER'S OFFICE DOES NOT REPLACE
INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

1.5 SUBMITTALS:

- A. REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL
ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO
REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL
ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND
OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY
PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE
CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND
"APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL.
- B. SUBMIT ALL SHOP DRAWINGS ON THREE PRINTS ONLY. ONE PRINT WILL BE
RETURNED TO THE CONTRACTOR. ALL PRINTS REQUIRED BY THE CONTRACTOR
ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE AFTER
APPROVED SHOP DRAWINGS ARE RETURNED. IF ADDITIONAL PRINTS ARE
SUBMITTED, THEY WILL BE RETURNED UNMARKED.
- C. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER
REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS. ITEMS MARKED (*)
SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER
REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. ITEMS
MARKED (#) SHALL BE SUBMITTED FOR STRUCTURAL ENGINEER'S RECORD
ONLY.
1. CONCRETE MIX DESIGNS
2. CONCRETE REINFORCING
3. STRUCTURAL STEEL (*)
4. STEEL JOIST
5. STEEL DECK
6. COLD-FORMED METAL FRAMING (*)
7. MASONRY MORTAR MIX DESIGNS
8. MASONRY GROUT MIX DESIGNS
9. MASONRY REINFORCING
- D. DESIGN CALCULATIONS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL
ENGINEER'S RECORD, DESIGN CALCULATIONS SEALED BY A PROFESSIONAL
ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED
FOR THE FOLLOWING ITEMS.
1. STRUCTURAL STEEL CONNECTIONS
2. STEEL STAIRS
3. STEEL JOIST (SEE STEEL JOIST SECTION OF GENERAL NOTES)
4. COLD-FORMED METAL FRAMING

- 1.6 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR
CONDITIONS, UNLESS NOTED.

- 1.7 THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES,
AND PROCEDURES OF CONSTRUCTION.

- 1.8 CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED
FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT LOADS
DO NOT EXCEED THE DESIGN LIVE LOAD.

2. FOUNDATION

- 2.1 GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL
REPORT BY PIEDMONT GEOTECHNICAL CONSULTANTS, INC., TITLED REPORT OF
SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION PROPOSED
ADDITION TO EMERGENCY OPERATIONS CENTER 110 VOLUNTEER WAY FAYETTEVILLE,
GEORGIA PGC PROJECT NO. 113165, DATED JULY 17, 2013. THE CONTRACTOR SHALL
OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL
REQUIREMENTS AND RECOMMENDATIONS.

- 2.2 MAXIMUM ALLOWABLE BEARING PRESSURES (PSF):

CONTINUOUS WALL FOOTINGS-----2000

- 2.3 ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE
GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR
COMPLIANCE WITH PRESSURES NOTED. ALL FOOTING ELEVATIONS ARE
ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL
ENGINEER.

- 2.4 COMPACTED FILL SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL
REPORT.

- 2.5 BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE
DRAINING GRANULAR MATERIAL, SUCH AS SIZE #57 STONE. BACKFILL
SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE
ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45
DEGREE WEDGE EXTENDING FROM THE BASE OF THE FOOTING.

- 2.6 FOUNDATION AND RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL
CONCRETE HAS ATTAINED THE REQUIRED 28 DAY COMPRESSIVE STRENGTH.

- 2.7 PROVIDE 6" COMPACTED GRANULAR FILL BENEATH ALL EARTH SUPPORTED SLABS.
PROVIDE 6 MIL VAPOR RETARDER BETWEEN BOTTOM OF SLAB AND TOP OF GRANULAR
FILL.

3. CONCRETE

- 3.1 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

- 3.2 MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS (PSI), TYPE OF
CONCRETE, MAXIMUM W/C (WATER/CEMENTITIOUS MATERIALS RATIO), AIR CONTENT,
SLUMP AND CONCRETE USE:

STRENGTH	TYPE	W/C	AIR	SLUMP	USE
4500	NORMAL WT.	0.45	1-3%	3" TO 5"	SLAB ON GRADE
3000	NORMAL WT.	0.57	---	3" TO 5"	FOOTINGS

- 3.3 REINFORCING BARS: ASTM A615 GRADE 60.

- 3.4 WELDED WIRE REINFORCEMENT (WWR): ASTM A185. MINIMUM LAP AND EMBEDMENT
TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2" OR 6".

- 3.5 REINFORCING STEEL SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC
INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES
AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.

- 3.6 REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL
OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED
BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE
CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF
STAINLESS STEEL.

- 3.7 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315. REINFORCEMENT
SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE STRUCTURAL
ENGINEER.

- 3.8 ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

- 3.9 ALL REINFORCING MARKED "CONTINUOUS" SHALL BE SPLICED WITH CLASS
"B" TENSION LAP SPLICE, UNLESS NOTED.

- 3.10 CONCRETE COVERAGE OF REINFORCEMENT, UNLESS NOTED:

FOOTINGS-----2" TOP & 3" BOTTOM & SIDES
GRADE BEAMS-----2" TOP & 3" BOTTOM & SIDES
FOUNDATION RETAINING WALLS-----2" BOTH FACES
WWR IN SLABS ON GRADE-----2" TOP
SLABS ON WELL GRADED SUBGRADE OR VAPOR BARRIERS:

- 3.11 PEDESTAL, COLUMN AND WALL VERTICAL REINFORCING: DOWEL TO
FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL
REINFORCING.

- 3.12 FOR CONCRETE WALLS WITH A SINGLE LAYER OF REINFORCING, REINFORCING
TO BE CENTERED IN WALL UNLESS NOTED.

- 3.13 EARTH SUPPORTED SLABS: 4" THICK, REINFORCED WITH 6X6 W2.9/W2.9
WWR AT MID-DEPTH OF SLAB, UNLESS NOTED.

4. STRUCTURAL STEEL

- 4.1 FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC
"CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".



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GENERAL NOTES

Sheet No.

S-100

FOR CONSTRUCTION

General Notes

- 4.1
- FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
- 4.2
- THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.
- A.
- ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED AS FOLLOWS:
1.
- ROOF DIAPHRAGM: STEEL ROOF DECKING
2.
- LATERAL LOAD RESISTING SYSTEM: REINFORCED MASONRY SHEAR WALLS,
- 4.3
- STRUCTURAL STEEL: ASTM A992, GRADE 50 FOR WIDE FLANGE BEAMS AND COLUMNS; ASTM A36 FOR S, M AND HP SHAPES AND CHANNELS; ASTM A36 FOR STIFFENER PLATES, BASE PLATES, COLUMN CAP PLATES, BEAM CONNECTION PLATES AND STEEL ANGLES.
- 4.4
- HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B.
- 4.5
- WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16".
- 4.6
- HEADED ANCHOR RODS: ASTM F1554 GRADE 36 WELDABLE ANCHOR AND HEAVY HEX NUT, UNLESS INDICATED.
- 4.7
- BOLTED CONNECTIONS: BEARING TYPE A325-N IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER. OTHER BOLTS SHALL BE 3/4" DIAMETER. USE SNUG TIGHT BEARING CONNECTIONS FOR ALL BOLTED CONNECTIONS.
- 4.8
- BOLTS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT BOLTS MAY BE USED. ACTUAL NUMBER, UNLESS SPECIFIED, TO BE IN ACCORDANCE WITH AISC.
- 4.9
- ALL STRUCTURAL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR TO RESIST FORCES INDICATED. THE CONTRACTOR'S CONNECTION DESIGN SHALL BE UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. LBYP CAN CONTRACT WITH THE CONTRACTOR TO PROVIDE CONNECTION DESIGN SERVICES IF REQUESTED.
- 4.10
- DESIGN CALCULATIONS FOR THE CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AND DESIGNED BY A PROFESSIONAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED AND SUBMITTED FOR THE FILES OF THE ARCHITECT AND STRUCTURAL ENGINEER. THE CONNECTION DESIGNER'S ENGINEERING SEAL ON THE DESIGN CALCULATIONS SHALL REPRESENT THAT THE CONNECTIONS INDICATED ON THE SHOP DRAWINGS HAVE BEEN REVIEWED AND ARE IN ACCORDANCE WITH THE SUBMITTED DESIGN CALCULATIONS. SHOP DRAWINGS CONTAINING CONNECTIONS FOR WHICH CALCULATIONS HAVE NOT BEEN RECEIVED OR REQUIRED CONNECTION INFORMATION IS NOT PROVIDED WILL BE RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.
- 4.11
- REQUIRED CONNECTION INFORMATION SHALL BE SHOWN AT EACH DETAILED CONNECTION ON THE SUBMITTAL DRAWINGS AS FOLLOWS:
- A.
- DESIGN REACTION.
- B.
- CALCULATION PAGE NUMBER.
- C.
- CONNECTION CAPACITY.
- 4.12
- ALL NON-COMPOSITE BEAM CONNECTIONS SHALL BE "SIMPLE SHEAR CONNECTIONS", UNLESS NOTED. WHERE BEAM REACTIONS AND/OR DESIGN FORCES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT A REACTION EQUAL TO ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY FROM THE MAXIMUM TOTAL UNIFORM LOAD TABLE MULTIPLIED BY A FACTOR OF 1.2 FOR GIVEN SHAPE, SPAN, AND GRADE OF STEEL.
- 4.13
- WHERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL DEVELOP THE REACTIONS SHOWN. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING AND DETAILING THE CONNECTION.
- 4.14
- WHERE STEEL BEAMS ARE CONTINUOUS OVER COLUMNS, PROVIDE WEB STIFFENER PLATES EACH SIDE OF BEAM WEB, OF THICKNESS EQUAL TO BEAM FLANGE THICKNESS, LOCATED IN ALIGNMENT WITH COLUMN WEB, FLANGES OR CENTER LINE OF TUBES AND PIPE COLUMNS.
5. STEEL JOISTS
- 5.1
- DESIGN, FABRICATE, AND ERECT STEEL JOISTS IN ACCORDANCE WITH THE SJI.
- 5.2
- PROVIDE A MINIMUM END BEARING ON STEEL SUPPORTS AS REQUIRED BY SJI. STAGGER THE ENDS OF JOIST IF NECESSARY. CONTRACTOR COORDINATE METAL DECK SPLICE LOCATION TO CENTER OVER JOIST.
- 5.3
- PROVIDE HORIZONTAL AND DIAGONAL BRIDGING IN ACCORDANCE WITH SJI TO PROVIDE ADEQUATE JOIST CHORD BRACING.
- 5.4
- AT JOISTS PARALLEL TO MASONRY WALL, WELD EACH BRIDGING ROW TOP AND BOTTOM TO AN ANGLE 3X3X3/16X0'-6". ANCHOR ANGLE WITH TWO 3/8" DIAMETER SLEEVE ANCHORS WITH A TWO-INCH EMBEDMENT INTO WALL.
- 5.5
- AT JOISTS PARALLEL TO BEAMS, ANCHOR BRIDGING ROWS BY WELDING TO BEAMS.

- 5.6
- DESIGN ROOF JOISTS TO RESIST THE FOLLOWING NET WIND UPLIFT PRESSURES FROM THE COMPONENT AND CLADDING WIND LOAD TABLE SHOWN ON THE DRAWINGS.
- 5.7
- DESIGN CALCULATIONS SHALL BE SUBMITTED FOR THE FILES OF THE STRUCTURAL ENGINEER AND ARCHITECT FOR JOISTS WITH CANTILEVERS OR CONCENTRATED LOADS AND FOR JOIST SIZES FOR WHICH STANDARD SJI LOAD TABLES ARE NOT APPLICABLE. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SHOP DRAWINGS CONTAINING JOISTS FOR WHICH CALCULATIONS HAVE NOT BEEN RECEIVED WILL BE CONSIDERED AN INCOMPLETE SUBMITTAL.
- 5.8
- PROVIDE JOIST REINFORCEMENT AT ANY CONCENTRATED LOADS NOT LOCATED AT A JOIST PANEL POINT.
- 5.9
- CAMBER AND DEFLECTION SHOULD BE CONSIDERED WHEN DETAILING / CONSTRUCTING FRAMING ADJACENT TO OR ATTACHING TO JOISTS.
6. STEEL DECK
- 6.1
- DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE.
- 6.2
- DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.
- 6.3
- DO NOT SHORE DECK.
- 6.4
- ROOF DECK: WIDE RIB TYPE "WR", STEEL ROOF DECK, 20 GAGE, 1-1/2" DEEP, GALVANIZED. SHEET STEEL FOR DECK SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI
- 6.5
- COLD-FORMED METAL FRAMING, SUSPENDED CEILINGS, LIGHT FIXTURES AND DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.
7. MASONRY
- 7.1
- MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530 SPECIFICATION.
- 7.2
- SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (F'm): 1500 PSI AT 28 DAYS.
- 7.3
- SPECIFIED COMPRESSIVE STRENGTH OF GROUT (F'g): 2500 PSI AT 28 DAYS.
- 7.4
- MORTAR: TYPE S OR M.
- 7.5
- ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED.
- 7.6
- ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.
- 7.7
- MINIMUM REINFORCING LAP SPLICE OF 48 BAR DIAMETERS.
- 7.8
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF MASONRY CONTROL JOINTS.
- 7.9
- WHEN REINFORCING IS SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS. REINFORCING TO BE CENTERED IN WALL UNLESS NOTED.
- 7.10
- ADEQUATE TEMPORARY BRACING OF CMU WALLS MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.
8. POST INSTALLED ANCHORS
- 8.1
- POST INSTALLED ANCHORS SHALL COMPLY WITH ACI-318 APPENDIX D.
- 8.2
- ACCEPTABLE MANUFACTURERS SHALL INCLUDE BUT ARE NOT LIMITED TO HILTI, INC. AND SIMPSON STRONG-TIE COMPANY, INC.
- 8.3
- CARE SHALL BE TAKEN IN PLACING POST INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR.
- 8.4
- HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SHOWN SHALL BE SUBMITTED BY THE CONTRACTOR ALONG WITH PREPARED DOCUMENTATION DEMONSTRATING EQUAL SUBSTITUTION THAT THE PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.
- 8.5
- THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND RECOMMENDATIONS.
- 8.6
- A REPRESENTATIVE OF THE POST-INSTALLED ANCHOR MANUFACTURER SHALL BE PRESENT FOR THE FIRST INSTALLATION OF EACH TYPE OF ANCHOR USED TO DEMONSTRATE AND INSTRUCT TO THE CONTRACTOR'S INSTALLATION CREW AND PERSONNEL THE PROPER METHOD OF INSTALLATION. SHOULD THE CONTRACTOR CHANGE INSTALLATION CREW OR INDIVIDUALS INSTALLING THE ANCHOR, THE MANUFACTURER'S REPRESENTATIVE SHALL BE NOTIFIED BY THE CONTRACTOR TO RETURN AND PROVIDE INSTRUCTION TO THE NEW INSTALLER(S).
- 8.7
- CONCRETE ANCHORS:
1.
- MECHANICAL ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI-355.2 AND ICC-ES AC193.

2.
- ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308.
- 8.8
- MASONRY ANCHORS:
1.
- ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:
- A.
- MECHANICAL AND CONCRETE SCREW ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106, RESPECTIVELY.
- B.
- ADHESIVE ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58 OR AC60.
2.
- ANCHORAGE TO HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY:
- A.
- SCREW ANCHORS FOR USE IN HOLLOW CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106.
- B.
- ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.
9. FOUNDATION QUALITY CONTROL DURING CONSTRUCTION
- 9.1
- BEARING ELEVATIONS: THE TOP ELEVATION OF ALL FOOTINGS IS SHOWN ON THE DRAWINGS FOR BID PURPOSES. THE FINAL BEARING ELEVATIONS MAY VARY AS REQUIRED TO PROVIDE PROPER BEARING CAPACITY IN AN APPROVED BEARING STRATUM AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
- 9.2
- FIELD INSPECTION OF BEARING STRATUM: THE BEARING STRATUM OF EACH SPREAD FOOTING SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO POURING OF CONCRETE.
- 9.3
- FOOTING EXCAVATION:
- A.
- FOOTINGS SHALL BE NEATLY EXCAVATED WHERE POSSIBLE WITH SIDES AND TOP EDGES FREE OF LOOSE OR WET MATERIALS. WHERE NEAT EXCAVATION IS NOT POSSIBLE, FOOTING EXCAVATION SHALL BE OPEN CUT WITH EDGES FORMED AND BRACED. ALL FOOTINGS WITH FORMED EDGES SHALL BE BACKFILLED FROM BOTTOM TO TOP OF FOOTING WITH LEAN CONCRETE. THE BOTTOM EXCAVATION SHALL BE CLEAN AND DRY WITH ALL LOOSE MATERIAL REMOVED FOR AN ESSENTIALLY FLAT BEARING SURFACE. EXCAVATIONS SHALL NOT BE LEFT OVERNIGHT UNLESS A 2" UNREINFORCED CONCRETE SEAL (MUD) SLAB IS PLACED AT THE BOTTOM OF THE FOOTING EXCAVATION. WHERE SOFT OR UNSUITABLE BEARING SURFACES ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH LEAN CONCRETE OR COMPACTED DENSE GRADED CRUSHED STONE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- B.
- ALL BACKFILL SHALL BE ENGINEERED FILL AS DEFINED IN THE GEOTECHNICAL REPORT. EXCAVATED MATERIAL MAY BE USED AS BACKFILL MATERIAL WITH WRITTEN APPROVAL FROM THE GEOTECHNICAL ENGINEER STATING THAT SUCH MATERIAL IS SUITABLE AS BACKFILL AND INSTRUCTIONS ARE GIVEN FOR PROPER MOISTURE CONTENT AND COMPACTION. THE TESTING AGENCY APPROVAL AND INSTRUCTIONS FOR COMPACTION SHALL BE SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR REVIEW.
10. CONCRETE QUALITY CONTROL TESTING DURING CONSTRUCTION
- 10.1
- ALL CONCRETE SHALL USE AIR-ENTRAINING ADMIXTURE AT THE MANUFACTURER'S PRESCRIBED RATE TO RESULT IN CONCRETE AT POINT OF PLACEMENT HAVING TOTAL AIR CONTENT AS NOTED ABOVE.
- 10.2
- CONCRETE AGGREGATES SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
- A.
- SPECIFICATION FOR CONCRETE AGGREGATES, ASTM C33.
- B.
- NORMAL WEIGHT CONCRETE AGGREGATES MAY BE EITHER GRAVEL OR LIMESTONE UNLESS SPECIFIED.
- 10.3
- WATER: WATER FOR CONCRETE SHALL BE CLEAN, FRESH AND DRINKABLE.
- 10.4
- CEMENT:
- A.
- CEMENT SHALL CONFORM TO THE SPECIFICATION FOR PORTLAND CEMENT, ASTM C150, TYPE I (NORMAL).
- B.
- BRAND OF CEMENT: UNLESS ACCEPTED BY THE STRUCTURAL ENGINEER, USE ONE BRAND OF CEMENT THROUGHOUT THE PROJECT.
- 10.5
- CONCRETE MIX DESIGNS:
- A.
- AN INDEPENDENT TESTING AGENCY SHALL PREPARE DESIGN MIXES FOR EACH TYPE AND STRENGTH OF CONCRETE BY EITHER LABORATORY TRIAL MIXTURES OR FIELD EXPERIENCE METHODS AS SPECIFIED IN ACI 318.
- B.
- STRUCTURAL ENGINEER ACCEPTANCE: CONCRETE MIX DESIGNS MUST BE SUBMITTED A MINIMUM OF 15 DAYS PRIOR TO THE START OF THE WORK FOR STRUCTURAL ENGINEER'S ACCEPTANCE PRIOR TO PLACEMENT OF CONCRETE IN THE PLANT OR FIELD. ANY ADJUSTMENT IN APPROVED MIX DESIGNS INCLUDING CHANGES IN ADMIXTURES MUST BE SUBMITTED IN WRITING TO THE STRUCTURAL ENGINEER FOR ACCEPTANCE PRIOR TO USE IN THE FIELD.



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GENERAL NOTES

Sheet No.

S-101

FOR CONSTRUCTION



General Notes

- 10.6 ADMIXTURES: USE ONLY ADMIXTURES APPROVED BY THE STRUCTURAL ENGINEER AND CONTAINING NO CHLORIDE IONS.
- 10.7 THE CONTRACTOR WILL EMPLOY A TESTING AGENCY TO PERFORM OTHER TESTS AND TO SUBMIT TEST REPORTS. SAMPLING AND TESTING FOR QUALITY CONTROL DURING PLACEMENT OF CONCRETE, AS FOLLOWS:

A. SAMPLING FRESH CONCRETE: ASTM C172, EXCEPT MODIFIED FOR SLUMP TO COMPLY WITH ASTM C94.

1. SLUMP: ASTM C143, ONE TEST FOR EACH SET OF COMPRESSIVE STRENGTH TEST SPECIMENS.

2. AIR CONTENT: ASTM C173, VOLUMETRIC METHOD FOR LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE; ASTM C231 PRESSURE FOR NORMAL WEIGHT CONCRETE; ONE FOR EACH SET OF COMPRESSIVE STRENGTH TEST SPECIMENS.

3. CONCRETE TEMPERATURE: TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEGREES F (4 DEGREES C) AND BELOW, AND WHEN 80 DEGREES F (27 DEGREES C) AND ABOVE; AND EACH TIME A SET OF COMPRESSION TEST SPECIMENS ARE MADE.

4. COMPRESSIVE TEST SPECIMEN: ASTM C31, ONE SET OF FOUR STANDARD CYLINDERS FOR EACH COMPRESSIVE STRENGTH TEST, UNLESS DIRECTED. MOLD AND STORE CYLINDERS FOR LABORATORY CURED TEST SPECIMENS EXCEPT WHEN FIELD-CURE TEST SPECIMENS ARE REQUIRED.

5. COMPRESSIVE STRENGTH TESTS: ASTM C39, ONE SET FOR EACH 50 CU. YDS. OR FRACTION THEREOF, OF EACH CONCRETE CLASS PLACED IN ANY ONE DAY OR FOR EACH 5,000 SQ. FT. OF SURFACE AREA PLACED; ONE SPECIMEN TESTED AT 7 DAYS, TWO SPECIMENS TESTED AT 28 DAYS, AND ONE SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED.

A. WHEN FREQUENCY OF TESTING WILL PROVIDE LESS THAN 5 STRENGTH TESTS FOR A GIVEN CLASS OF CONCRETE, CONDUCT TESTING FROM AT LEAST 5 RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN 5 ARE USED.

B. WHEN STRENGTH OF FIELD-CURED CYLINDERS IS LESS THAN 85 PERCENT OF COMPANION LABORATORY-CURED CYLINDERS, EVALUATE CURRENT OPERATIONS AND PROVIDE CORRECTIVE PROCEDURES FOR PROTECTING AND CURING THE IN-PLACE CONCRETE.

C. STRENGTH LEVEL OF CONCRETE WILL BE CONSIDERED SATISFACTORY IF AVERAGES OF SETS OF THREE CONSECUTIVE STRENGTH TEST RESULTS EQUAL OR EXCEED SPECIFIED COMPRESSIVE STRENGTH, AND NO INDIVIDUAL STRENGTH TEST RESULTS FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI.
- 10.8 TEST RESULTS WILL BE REPORTED IN WRITING TO OWNER, STRUCTURAL ENGINEER, ARCHITECT AND CONTRACTOR. REPORTS OF COMPRESSIVE STRENGTH TESTS SHALL CONTAIN THE PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AGENCY, CONCRETE TYPE AND CLASS, LOCATION OF CONCRETE BATCH IN STRUCTURE, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIX PROPORTIONS AND MATERIAL; COMPRESSIVE BREAKING STRENGTH AND TYPE OF BREAK FOR BOTH 7-DAY TESTS AND 28-DAY TESTS.
- 10.9 NONDESTRUCTIVE TESTING: IMPACT HAMMER, SONOSCOPE, OR OTHER NONDESTRUCTIVE DEVICE MAY BE PERMITTED BUT SHALL NOT BE USED AS THE SOLE BASIS FOR ACCEPTANCE OR REJECTION.
- 10.10 ADDITIONAL TESTS: THE TESTING AGENCY WILL MAKE ADDITIONAL TESTS OF IN-PLACE CONCRETE WHEN TEST RESULTS INDICATE SPECIFIED CONCRETE STRENGTHS AND OTHER CHARACTERISTICS HAVE NOT BEEN ATTAINED IN THE STRUCTURE, AS DIRECTED BY THE STRUCTURAL ENGINEER. CONTRACTOR SHALL PAY FOR SUCH TESTS CONDUCTED, AND ANY OTHER ADDITIONAL TESTING AS MAY BE REQUIRED, WHEN UNACCEPTABLE CONCRETE IS VERIFIED.
11. STRUCTURAL STEEL QUALITY CONTROL TESTING DURING CONSTRUCTION
- 11.1 FIELD INSPECTIONS AND TESTS: CHECK STEEL AS RECEIVED IN THE FIELD FOR POSSIBLE SHIPPING DAMAGE, WORKMANSHIP, PIECE MARKING AND VERIFICATION OF REQUIRED CAMBER.
- 11.2 SHOP AND FIELD BOLTED CONNECTIONS: INSPECT AND TEST DURING FABRICATION AND ERECTION OF STRUCTURAL STEEL, AS FOLLOWS:

A. INSPECT OR TEST IN ACCORDANCE WITH AISC SPECIFICATIONS.

B. FOR NON-SLIP CRITICAL BOLTED CONNECTIONS (BEARING-TYPE), ALL CONNECTIONS SHALL BE VISUALLY OBSERVED TO ASSURE THAT ALL BOLTS, NUTS AND WASHERS ARE IN PLACE AND THAT ALL PLIES OF CONNECTION MATERIAL HAVE BEEN DRAWN TOGETHER. ALL BOLTS SHALL BE VERIFIED TO BE SNUG TIGHT ONLY.
- 11.3 SHOP AND FIELD WELDING INSPECTION AND TESTING DURING FABRICATION AND ERECTION OF STRUCTURAL STEEL, AS FOLLOWS:

A. CERTIFY WELDERS AND CONDUCT INSPECTIONS AND TESTS AS REQUIRED. RECORD TYPES AND LOCATIONS OF DEFECTS FOUND IN WORK. RECORD WORK REQUIRED AND PERFORMED TO CORRECT DEFICIENCIES.

- B. PERFORM VISUAL INSPECTION OF ALL WELDS, INCLUDING BUT NOT LIMITED TO FIT-UP, INTERMEDIATE PASSES AND FINAL WELD.
- C. INSPECTION PROCEDURES:

1. MAGNETIC PARTICLE INSPECTION: ASTM E 709, PERFORMED ON ROOT PASS AND ON FINISHED WELD. CRACKS OR ZONES OF INCOMPLETE FUSION OR PENETRATION NOT ACCEPTABLE. INSPECT 10% OF THE WELD FOR EACH MEMBER CONNECTED. IF ANY PORTION OF A WELD DOES NOT CONFORM, 100% OF THE WELD FOR THAT MEMBER SHOULD BE TESTED.

2. ULTRASONIC INSPECTION: ASTM E164, PERFORM ON ALL FULL AND PARTIAL PENETRATION WELDS.

ABOVE FINISH FLOOR
ADDITIONAL
ADJACENT
AIR CONDITIONER
AIR HANDLING UNIT
ALTERNATE
ANCHOR
ANCHOR ROD
AND
ANGLE
APPROVED
APPROXIMATE
ARCHITECTURAL
ARCHITECTURALLY EXPOSED
STRUCTURAL STEEL
AT (WHEN INDICATING
SPACING ONLY)

- AFF
- ADDNL
- ADJ
- A/C
- AHU
- ALT
- ANC
- AR
- &
- L
- APPRV
- APPROX
- ARCH.
- AESS

- @

BACK TO BACK
BALANCE
BASEMENT
BASE PLATE
BEAM
BEARING
BELOW FINISH FLOOR
BETWEEN
BLOCK
BLOCKING
BOTTOM
BOTTOM CHORD EXTENSION
BRICK
BRIDGING
BUILDING

- B TO B
- BAL
- BSMT
- BSPL
- BM
- BRG
- BFF
- BTWN
- BLK
- BLKG
- BOT
- BCX
- BRK
- BRDG
- BLDG

CAST IN PLACE
CENTER
CENTERLINE
CENTER TO CENTER
CHANNEL
CLEAR OR CLEARANCE
COLUMN
COMPLETE JOINT PENETRATION
COMPRESSION
CONCRETE
CONCRETE MASONRY UNIT
CONNECTION(S)
CONTINUOUS
CONTRACTOR
CONSTRUCTION
CONTROL JOINT
CORNER
COORDINATE
COVER PLATE

- CIP
- CTR
- CL
- C TO C
- C
- CLR
- COL
- CJP
- COMP
- CONC
- CMU
- CONN(S)
- CONT
- CONTR
- CONST
- CJ
- COR
- COORD
- COV PL

DEGREE
DEGREE CELSIUS
DEGREE FAHRENHEIT
DETAIL
DEAD LOAD
DIAGONAL
DIAMETER
DIMENSION(S)
DRAWING(S)
DRILLED PIER
DOUBLE
DOUBLE EXTRA STRONG
DOWEL(S)
DOWN

- DEG OR °
- C°
- F°
- DET
- DL
- DIAG
- DIA or Ø
- DIM(S)
- DWG(S)
- DP
- DBL
- XXS
- DWL(S)
- DN

EACH
EACH FACE
EACH WAY
EDGE OF DECK
EDGE OF SLAB
ELECTRICAL
ELEVATION
ELEVATOR
EMBEDMENT
ENGINEER
EQUAL
EQUIPMENT
EXISTING
EXPANSION
EXPANSION ANCHOR
EXPANSION JOINT
EXTENSION
EXTERIOR
EXTRA STRONG

- EA
- EF
- EW
- EOD
- EOS
- ELEC
- EL
- ELEV
- EMBED.
- ENGR
- EQ
- EQUIP.
- EXIST.
- EXP
- EXP ANC
- EJ
- EXTN
- EXT
- XS

Abbreviations

FABRICATOR
FACE OF STUD
FACE TO FACE
FAR SIDE
FASTENER
FIELD VERIFY
FINISH(ED)
FINISHED FLOOR
FLANGE
FLOOR
FLOOR DRAIN
FOOT
FOOTING
FOUNDATION
FRAMING

- FABR
- FOS
- F TO F
- FS
- FAS
- FV
- FIN.
- FF
- FLG
- FLR
- FD
- FT
- FTG
- FDN
- FRMG

GAGE OR GAUGE
GALVANIZED
GENERAL
GENERAL CONTRACTOR
GOVERNMENT
GRADE
GRADE BEAM
GROUND

- GA
- GALV
- GEN
- GC
- GOVT
- GR
- GB
- GRD

HARD ROCK
HEADED STUD(S)
HEIGHT
HIGH STRENGTH
HOOK
HORIZONTAL

- HD RK
- H STUD(S)
- HT
- HS
- HK
- HORZ

INFORMATION
INSIDE DIAMETER
INSIDE FACE
INTERIOR
INTERMEDIATE
INVERTED

- INFO
- ID
- I.F.
- INT
- INTM
- INV

JOINT
JOIST(S)
JOIST GIRDER

- JT
- JST(S)
- JG

KIPS (1000 LBS)
KIPS PER LINEAL FOOT
KIPS PER SQUARE INCH
KIPS PER SQUARE FOOT

- K
- KLF
- KSI
- KSF

LIGHTWEIGHT CONCRETE
LIVE LOAD
LONGITUDINAL
LONG LEG HORIZONTAL
LONG LEG VERTICAL

- LWT CONC
- LL
- LONG.
- LLH
- LLV

MANUFACTURE(R)
MASONRY
MASONRY OPENING
MATERIAL
MAXIMUM
MECHANICAL
MEZZANINE
MIDDLE
MINIMUM
MISCELLANEOUS
MOMENT
MOMENT CONNECTION(S)

- MFR
- MAS
- MO
- MATL
- MAX
- MECH
- MEZZ
- MID
- MIN
- MISC
- M
- MC

NEAR FACE
NEAR SIDE
NOMINAL
NOT IN CONTRACT
NOT TO SCALE
NUMBER

- NF
- NS
- NOM
- NIC
- NTS
- NO. or #

ON CENTER
OPENING(S)
OPPOSITE
OUTSIDE FACE
OUTSIDE DIAMETER
OUTSTANDING LEG

- OC
- OPNG(S)
- OPP
- O.F.
- OD
- OSL

PARALLEL
PARTITION(S)
PENETRATION
PERMANENT
PERPENDICULAR
PLATE
PLUMBING
PNEUMATIC
POST-TENSION
POUNDS
POUNDS PER LINEAL FOOT
POUNDS PER SQUARE INCH
POUNDS PER SQUARE FT
POUNDS PER CUBIC YARD
POUNDS PER CUBIC INCH
PRECAST CONCRETE
PREENGINEERED METAL BUILDING
PREFABRICATED
PRELIMINARY
PRESSURE INJECTED FOOTING
PROJECTION

- PAR.
- PARTN(S)
- PEN
- PERM
- PERP
- PL
- PLBG
- PNEU
- PT
- LBS
- PLF
- PSI
- PSF
- PCY
- PCI
- PC
- PEMB
- PREFAB
- PRELIM
- PIF
- PROJ

RADIUS
REFERENCE
REINFORCED CONC PIPE
REINFORCING
REQUIRED
RISER
ROOF
ROOF DRAIN
ROOF TOP UNIT
ROOM
ROUND

- R
- REF
- RCP
- REINF
- REQD
- RIS
- RF
- RD
- RTU
- RM
- RND

SCHEDULE
SECTION
SHEAR
SHEET
SIMILAR
SPACE
SPECIFICATION(S)
SPECIFIED
SQUARE
STANDARD
STEEL
STIFFENER
STRAIGHT
STIRRUPS
STRUCTURE OR STRUCT'L
SYMMETRICAL
SUPPORT(S)

- SCHED
- SECT
- V
- SHT
- SIM
- SP
- SPEC(S)
- SPECQ
- SQ
- STD
- STL
- STIFF.
- STR
- STRUT
- SYM
- SUPT(S)

TEMPERATURE
TENSION
THICK
TONGUE AND GROOVE
TOP AND BOTTOM
TOP CHORD EXTENSION
TOP OF BEAM
TOP OF FOOTING
TOP OF GRADE BEAM
TOP OF JOIST
TOP OF PEDESTAL
TOP OF PIER
TOP OF PILE CAP
TOP OF STEEL
TOP OF WALL
TREAD
TYPICAL

- TEMP
- T
- THK
- T&G
- T&B
- TCX
- TOB
- TOF
- TOGB
- TOJ
- TOPD
- T.O.P.
- TOPC
- TOS
- TOW
- TR
- TYP

UNLESS NOTED

- U.N.

VERTICAL

- VERT

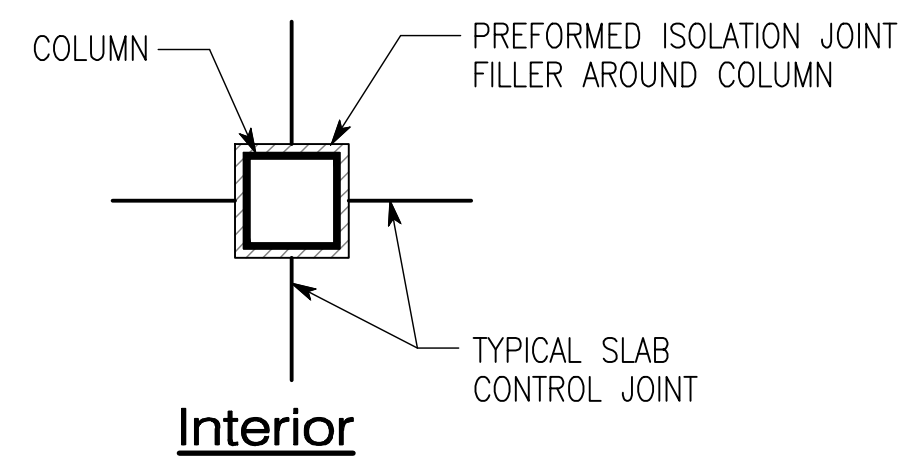
WATERPROOFING
WATERSTOP
WELDED WIRE REINFORCEMENT
WIND LOAD
WIND MOMENT CONNECTION
WINDOW
WITH
WITHOUT
WOOD
WORK POINT
WEIGHT
WIDE FLANGE

- WPGF
- WS
- WWR
- WL
- WC
- WDW
- W/
- W/O
- WD
- WP
- WT
- WF



Slab Control Joint Details

Depressed Slab on Grade Detail



Column Schedule

NOTES:

1. SEE ANCHOR ROD DETAILS FOR ROD LENGTHS, EMBEDMENT, AND PLATE WASHER SIZE.
2. DRILL AND EPOXY ANCHOR RODS INTO EXISTING FOOTING AND FOOTING EXTENSION AS REQUIRED

TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.



NOTES:

1. PROVIDE LEVELING PLATES AND NUTS AS REQUIRED. STEEL SHIMS MAY BE USED AS CONTRACTOR'S OPTION.
2. PLATE WASHERS SHALL BE ASTM A36 MATERIAL. PROVIDE STANDARD HOLES IN PLATE WASHERS (1/16" LARGER THAN DIAMETER OF ROD).
3. LOCATION AND ELEVATION OF ANCHOR RODS SHALL BE VERIFIED BY SURVEYOR PRIOR TO ERECTION. WHERE ANCHOR RODS ARE OUT OF TOLERANCE, CONTRACTOR SHALL COORDINATE REPAIR WITH DESIGN PROFESSIONAL.



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12/02/13 FOR CONSTRUCTION

Revisions

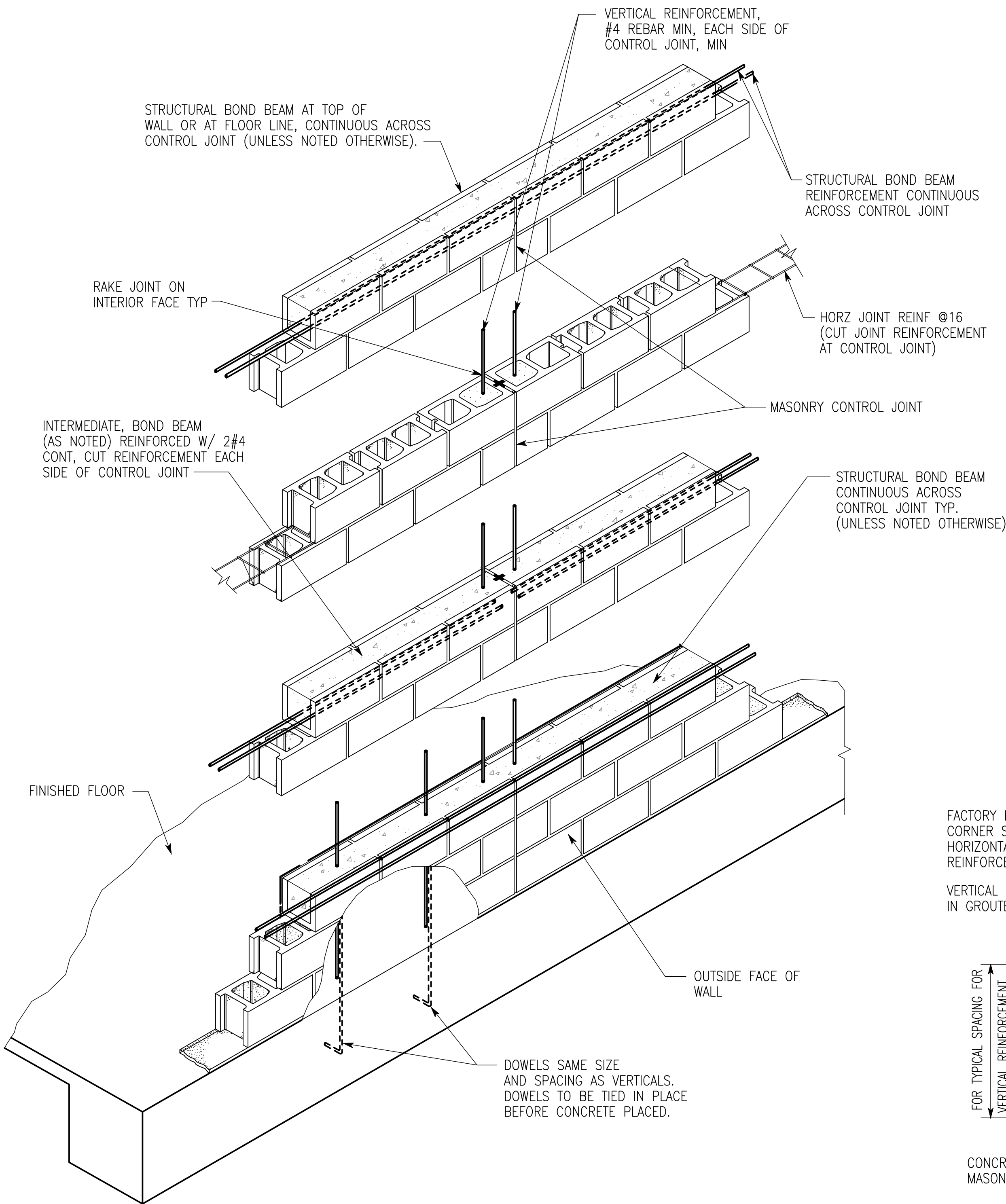
<i>Date</i>	<i>Job No.</i>
2013-09-23	1207007000

Sheet Title
TYPICAL DETAILS

Sheet No. _____

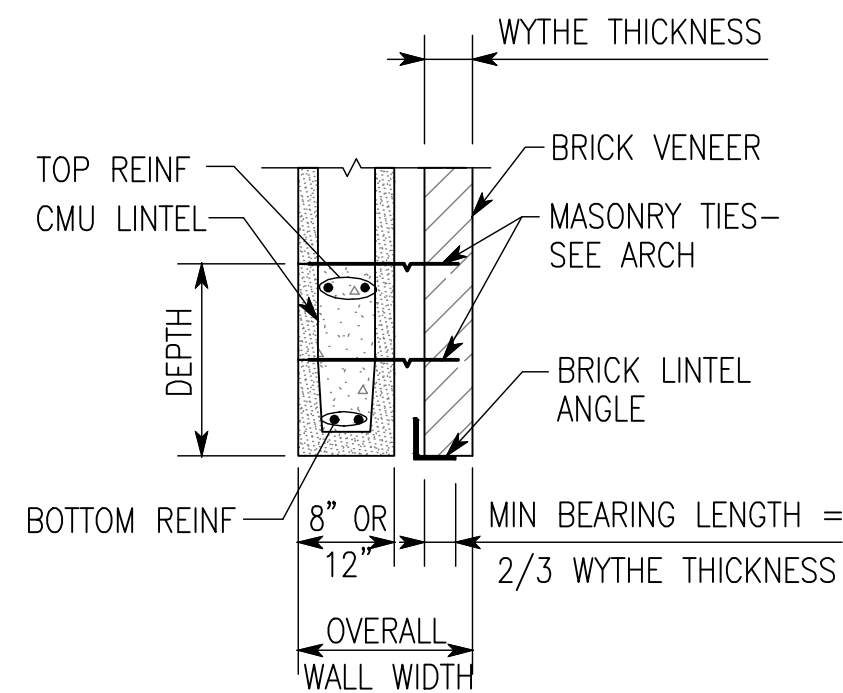
S-103

FOR CONSTRUCTION



Isometric View Of Typical Masonry Wall

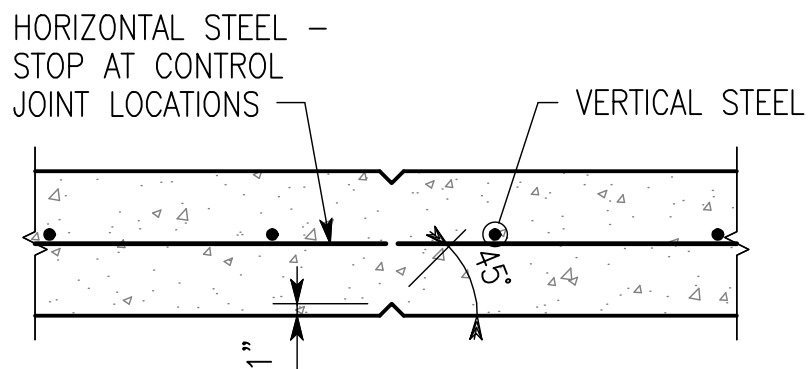
1. STONE VENEER NOT SHOWN FOR CLARITY.
2. ALL BOND BEAMS MADE WITH FORM BLOCKS ONLY.
3. FOR STRUCTURAL BOND BEAMS, SEE SECTIONS.
4. SEE ARCHITECTURAL DRAWINGS FOR VERTICAL MASONRY CONTROL JOINT LOCATIONS. VERTICAL MASONRY CONTROL JOINT SPACING NOT TO EXCEED 25'-0".



Masonry Lintel Detail and Schedule

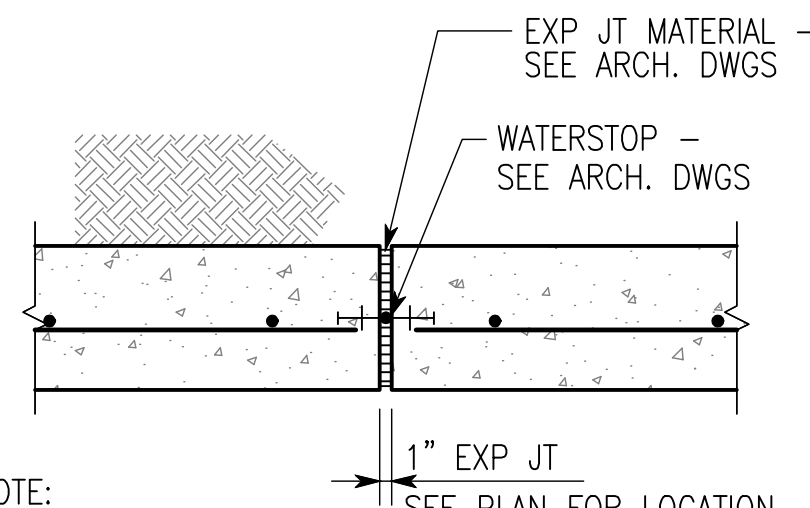
Masonry Lintel Schedule				
MAXIMUM OPENING WIDTH	BRICK LINTEL ANGLE	CMU LINTEL DIM AND REINF		
		DEPTH	8" WALL	
2'-0"	L3 1/2x3 1/2x3/8	8	2#5 BOT	
4'-0"	L3 1/2x3 1/2x3/8	16	2#5 BOT	
6'-0"	L3 1/2x3 1/2x3/8	24	2#7 BOT & 2#5 TOP	
10'-0"	L5x3 1/2x3/8 LLV	24	2#7 BOT & 2#5 TOP	

1. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS. FOR LINTELS GREATER THAN 6'-0" FILL CELLS SOLID AT EACH SIDE OF OPENING.



Wall Control Joint Detail

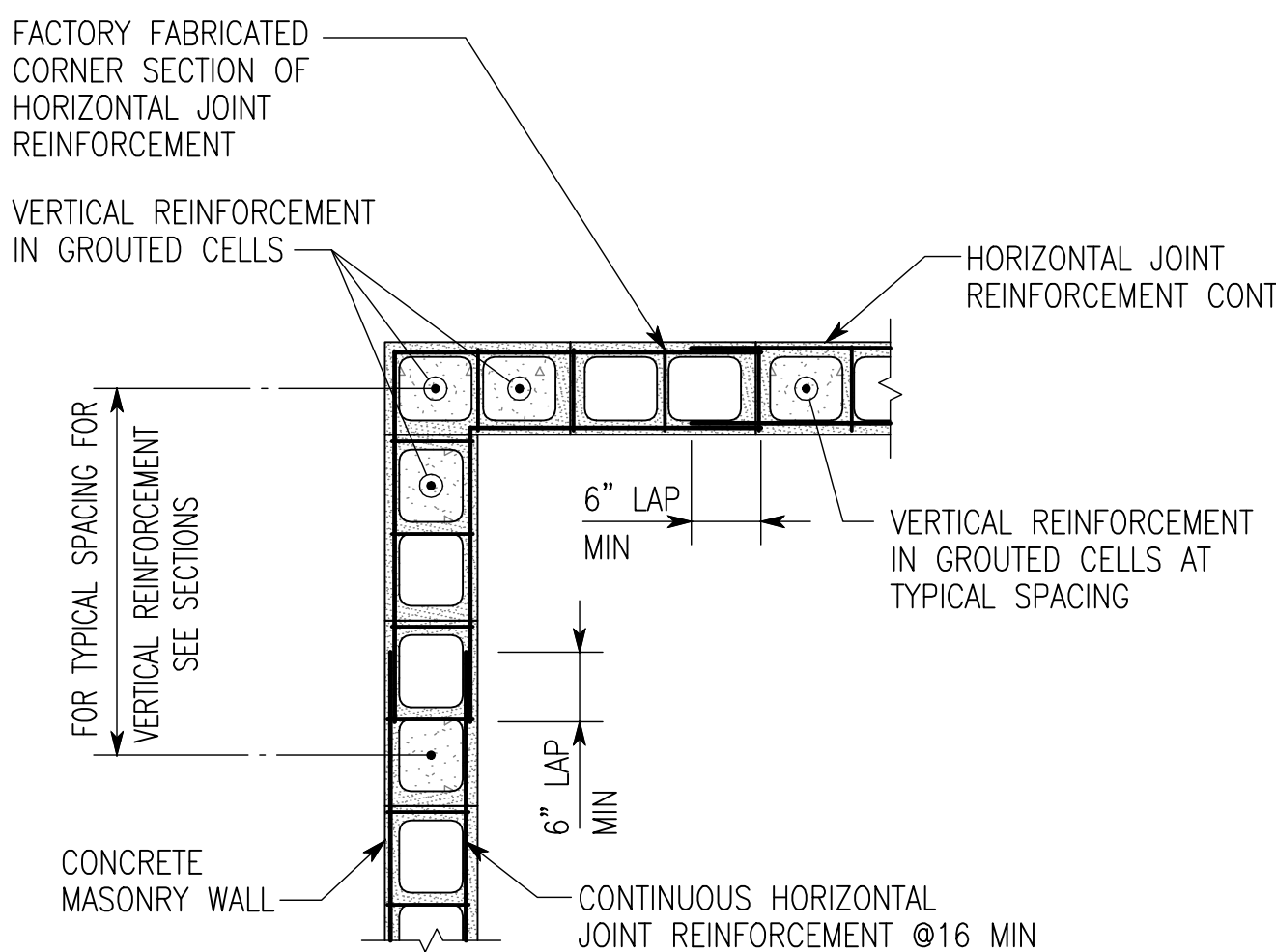
PROVIDE CONTROL JOINT AT 25'-0" MAXIMUM SPACING. SEE ARCH. DWGS FOR LOCATIONS. (ALTERNATE WITH EXPANSION JOINTS)



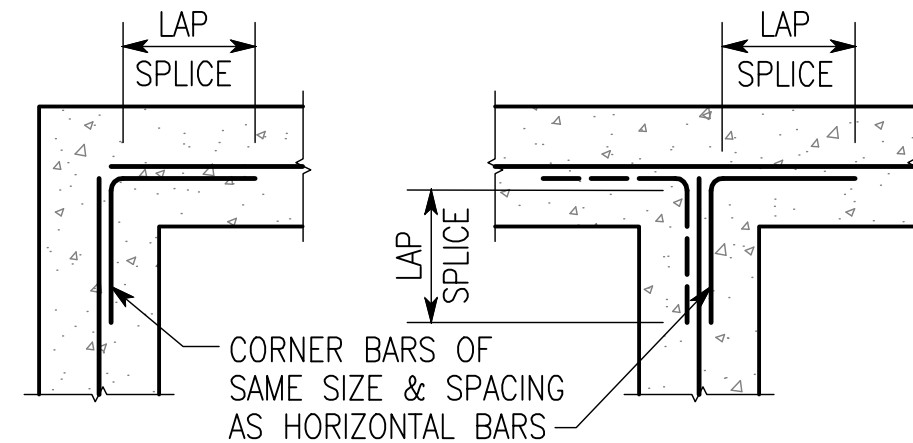
NOTE: EXPANSION JOINT IN STEM ONLY.

Wall Expansion Joint Detail

PROVIDE EXPANSION JOINT AT 50'-0" MAXIMUM SPACING. SEE ARCH. DWGS FOR LOCATIONS.



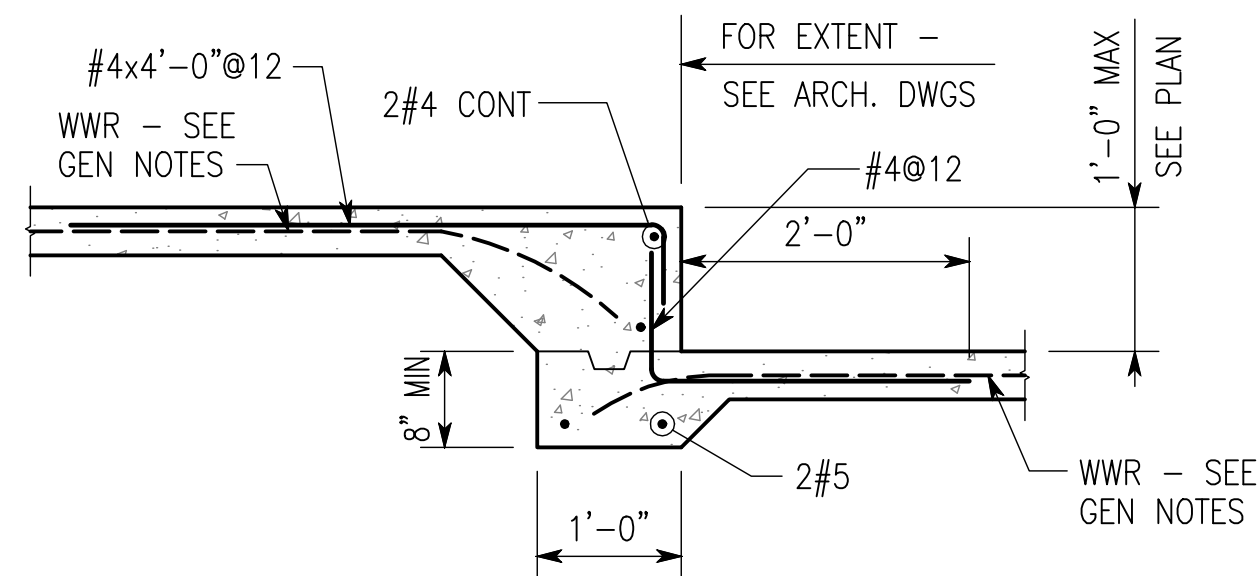
Plan Showing Joint Reinforcement At Wall Corner



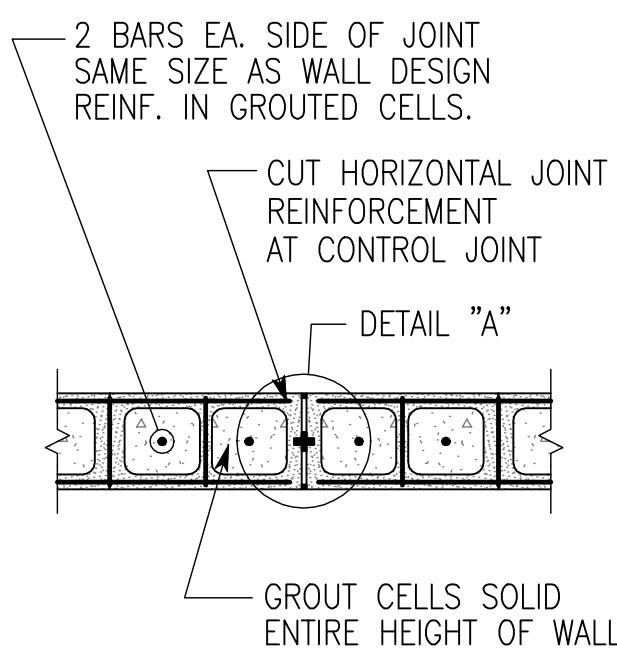
Single Layer Reinforcement

NOTE: ALL LAP SPLICES CLASS "B" TENSION.

Wall Corner Reinforcing Detail



Depressed Slab Detail

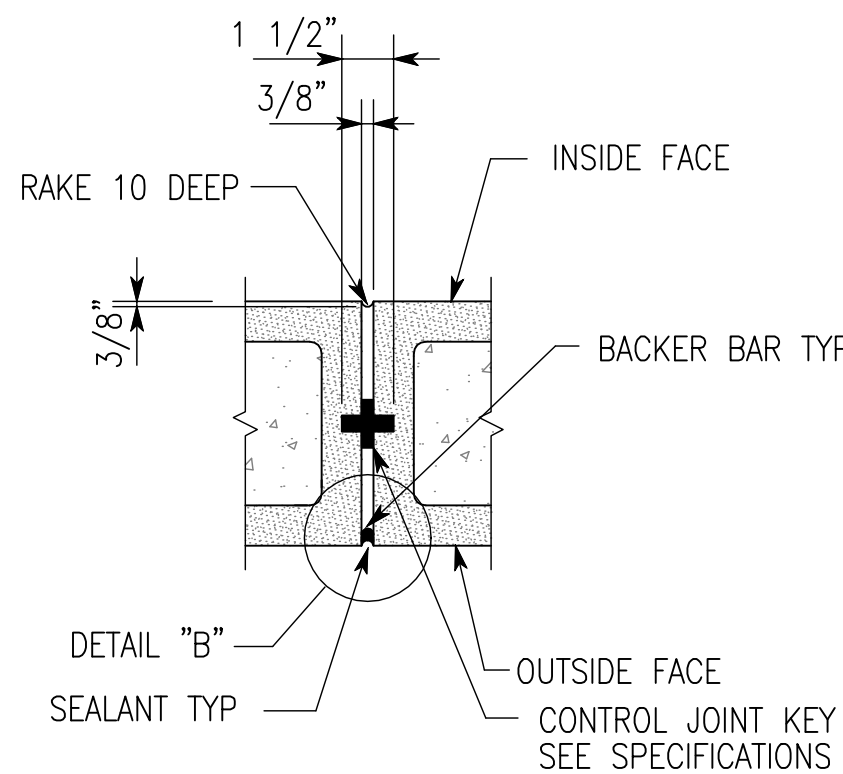


Plan

Masonry Control Joint

NO SCALE

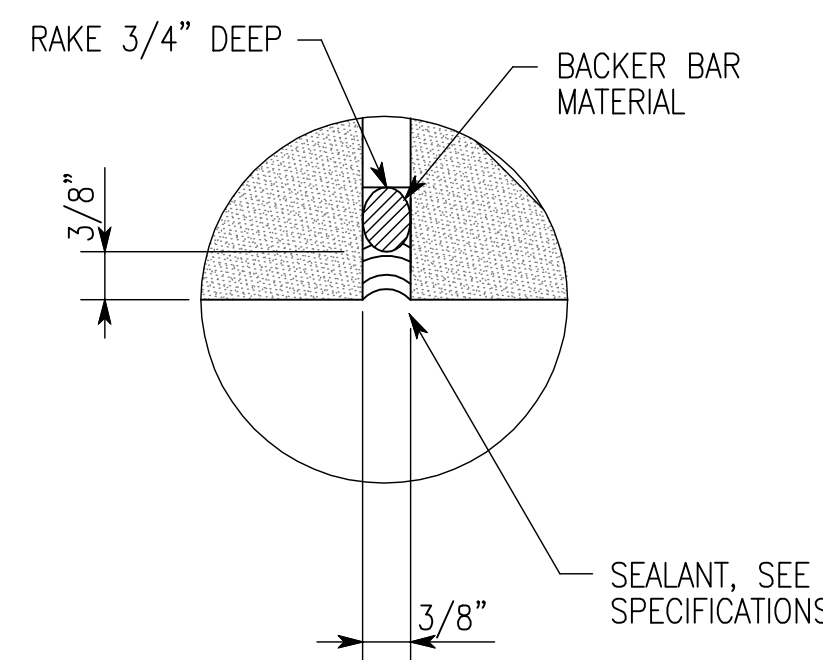
1. SEE ARCHITECTURAL DRAWINGS FOR VERTICAL MASONRY CONTROL JOINT LOCATIONS. VERTICAL MASONRY CONTROL JOINT SPACING NOT TO EXCEED 25'-0".



Detail "A"

Masonry Control Joint

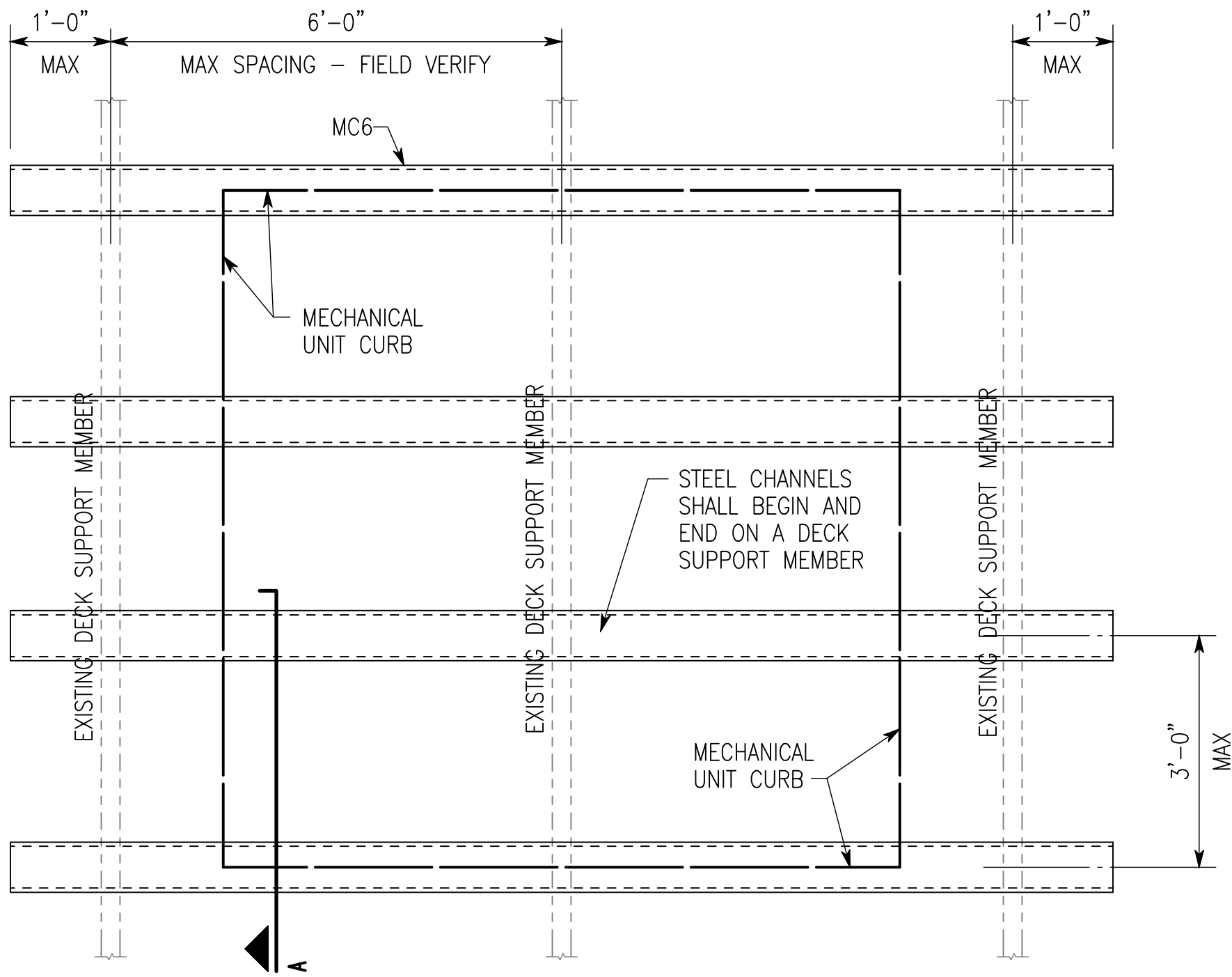
NO SCALE



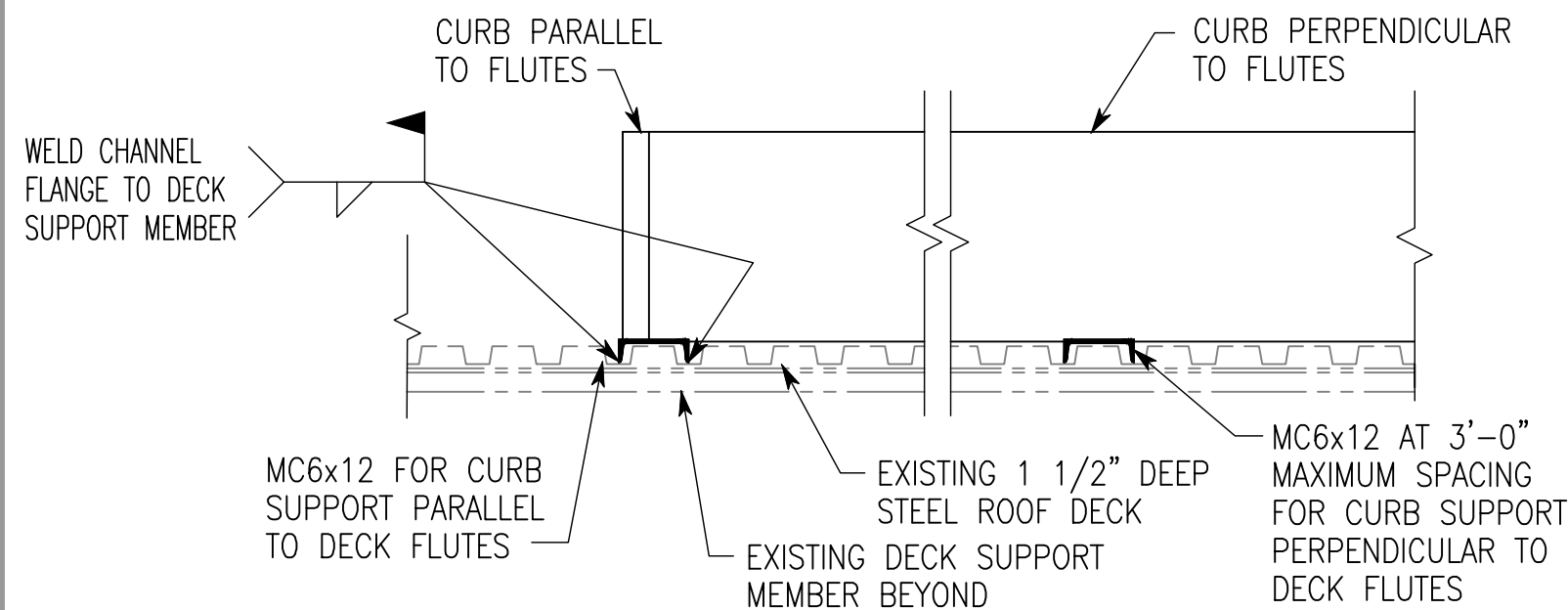
Detail "B"

Masonry Control Joint

NO SCALE



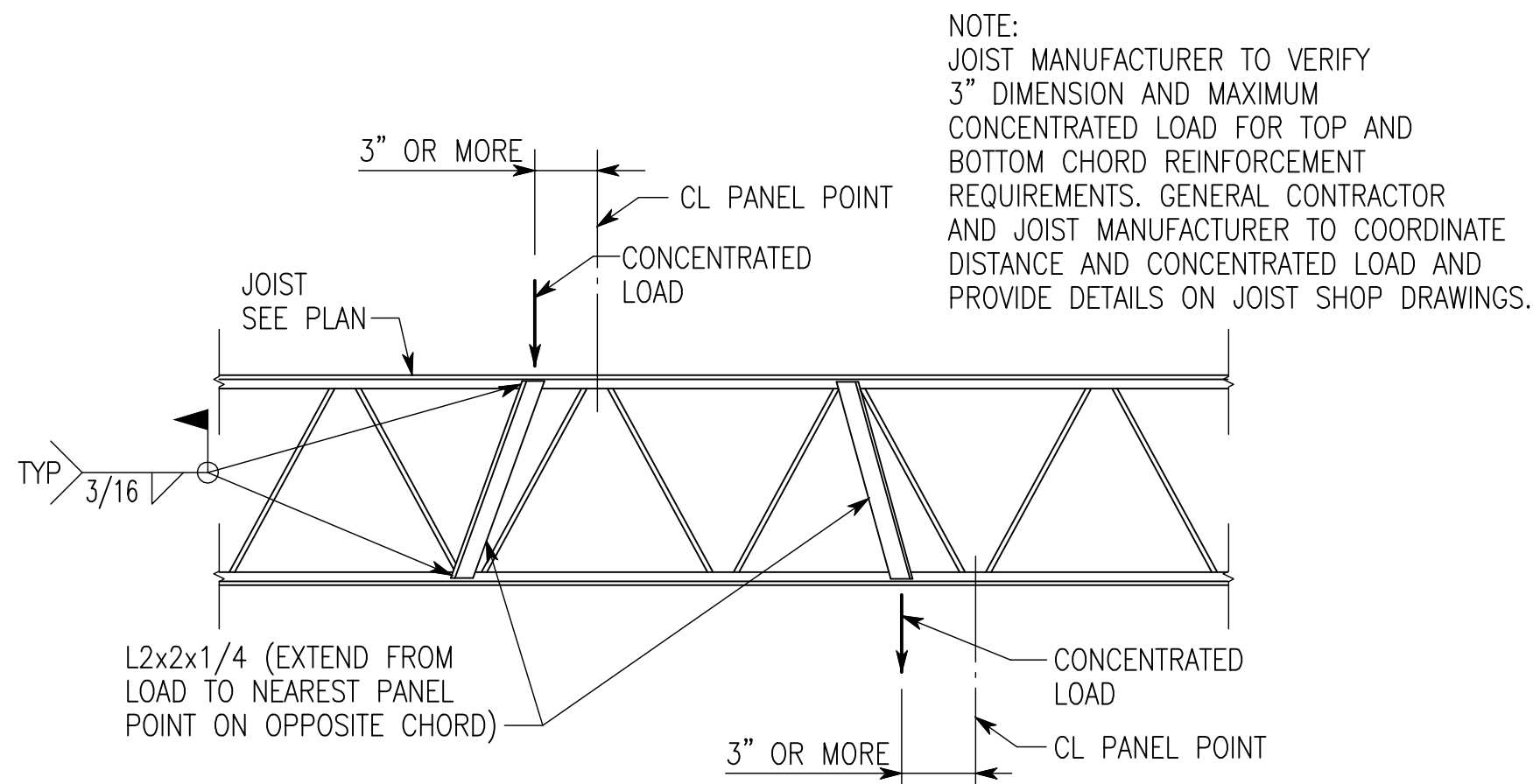
Plan



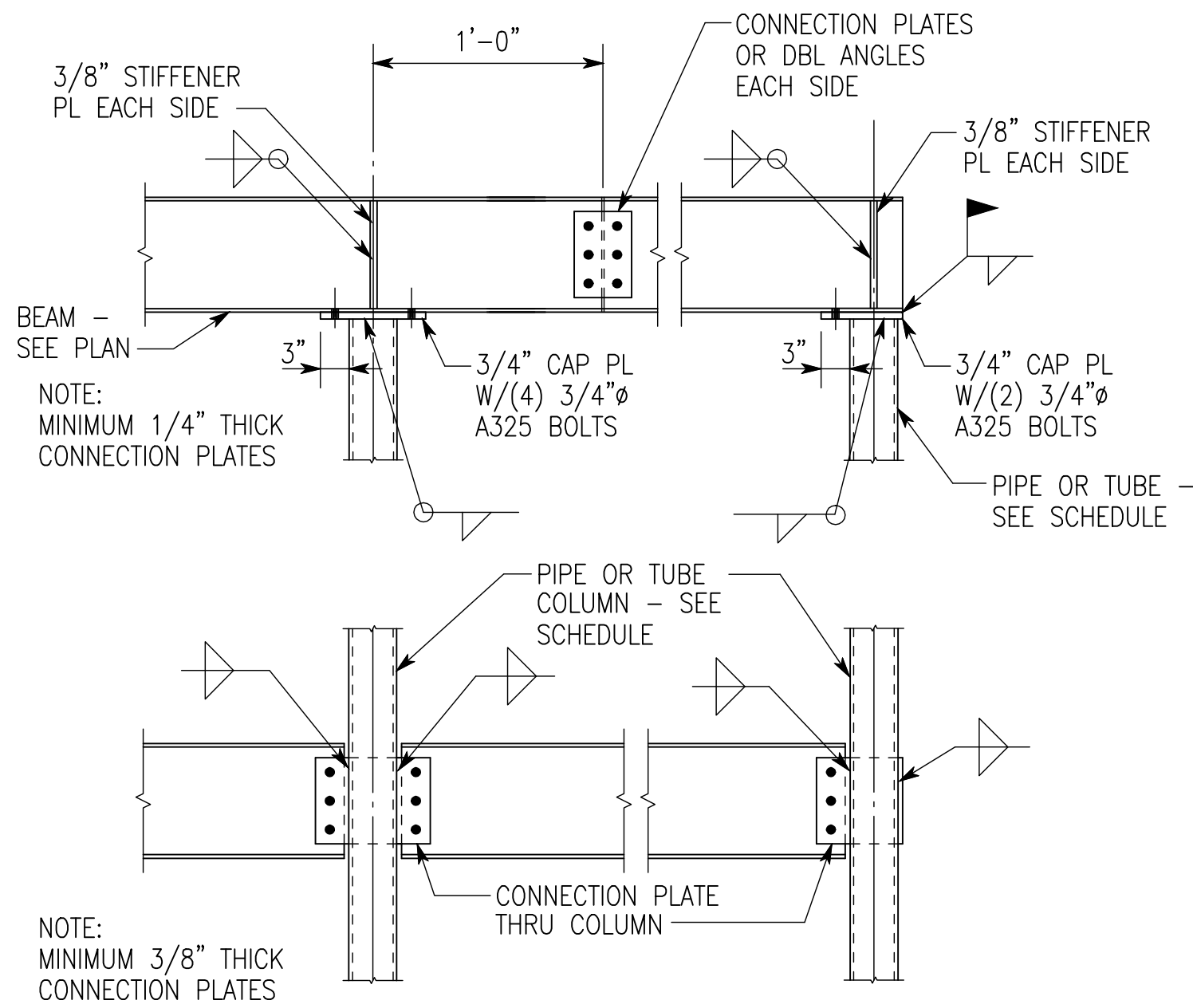
Section A
3/4"=1'-0"

Mechanical Unit Curb on Existing Roof Support Detail

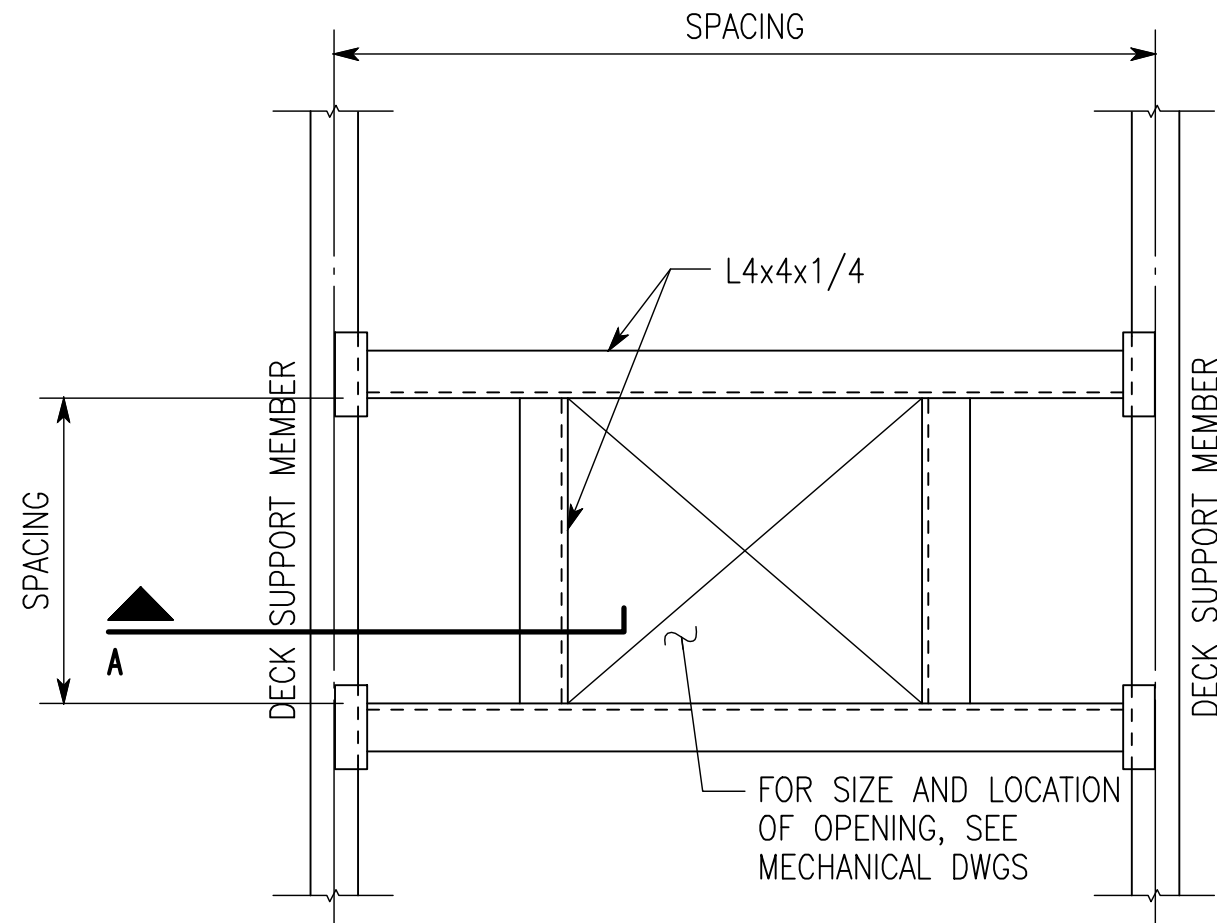
1. CONTRACTOR VERIFY WITH CURB SUPPLIER THAT CURB CAN SPAN 3'-0" AND SUPPORT UNIT ADEQUATELY.
2. MAXIMUM CURB LOAD 180 LBS/FT
3. SEE "ROOF OPENING FRAME DETAIL" FOR DUCT OPENING FRAMING.
4. SEE "JOIST REINFORCEMENT DETAILS" FOR CONCENTRATED LOAD ON JOIST.
5. PROVIDE HOLD DOWN ANCHORAGE WHERE REQUIRED BY BUILDING OFFICIAL.



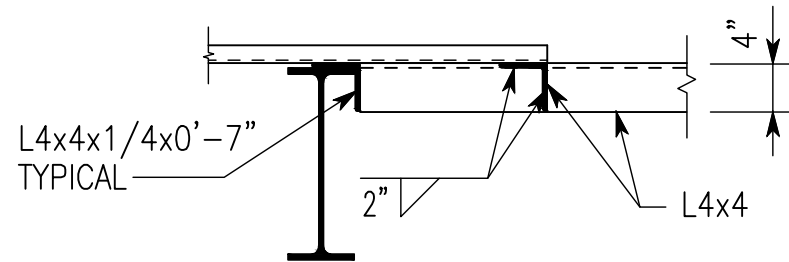
Joist Reinforcement Detail



Beam/Column Connection Details



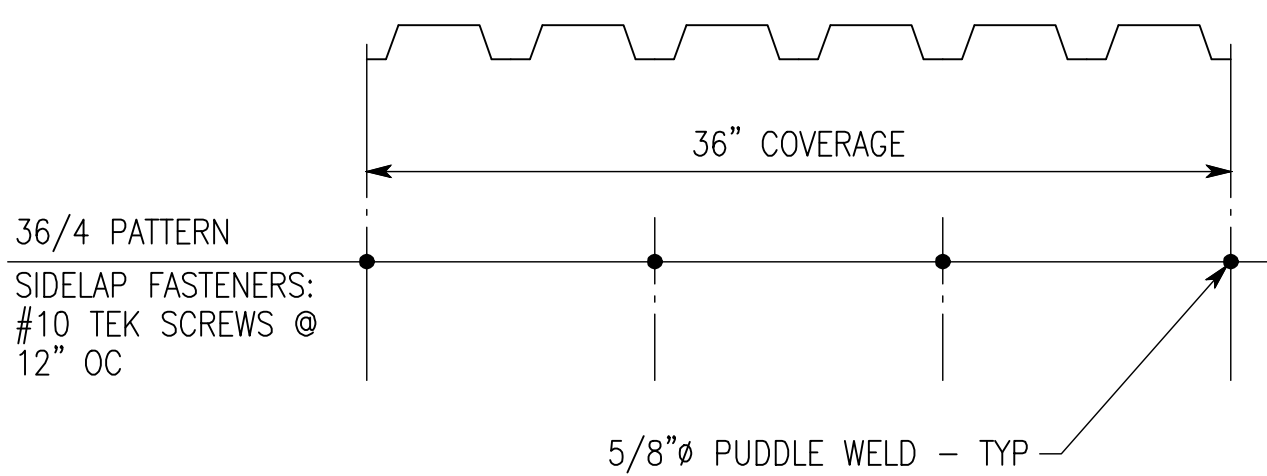
Plan



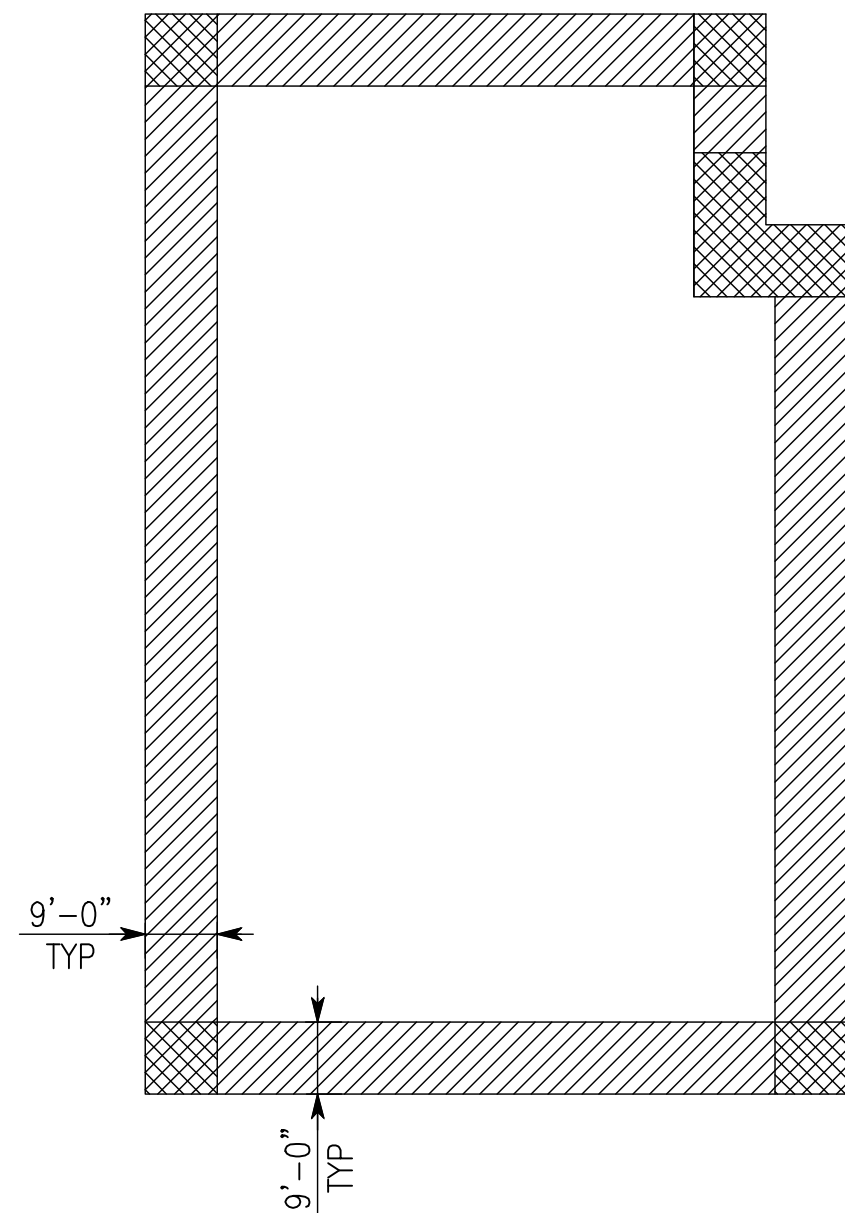
Section A
3/4"=1'-0"

Roof Opening Frame Detail

AT ALL OPENINGS IN ROOF LARGER THAN 8"

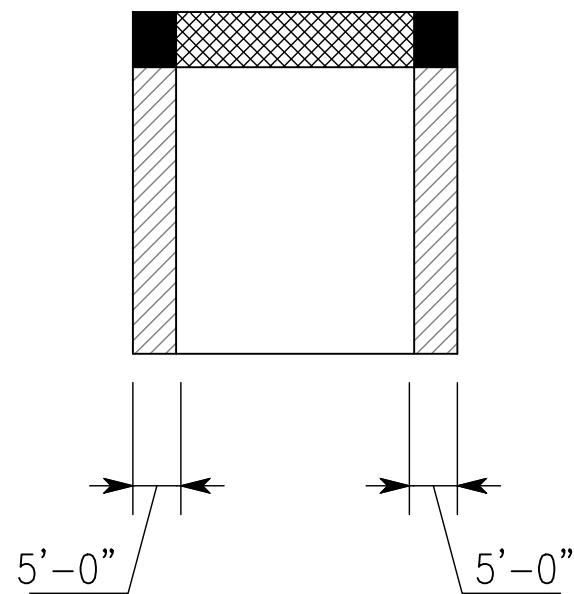


Roof Deck Attachment Pattern Layout



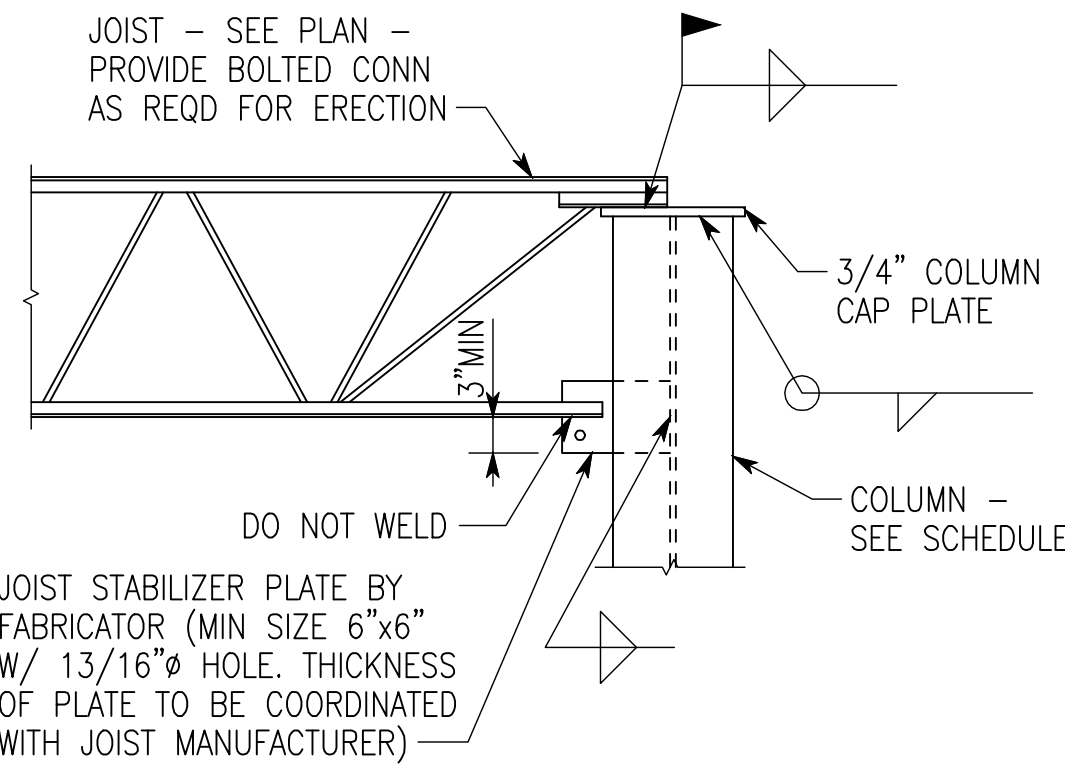
Roof Wind Components and Cladding Diagram

- ZONE 1
- ZONE 2
- ZONE 3



Wall Wind Components and Cladding Diagram

- ZONE 4
- ZONE 5
- ZONE 4P
- ZONE 5P

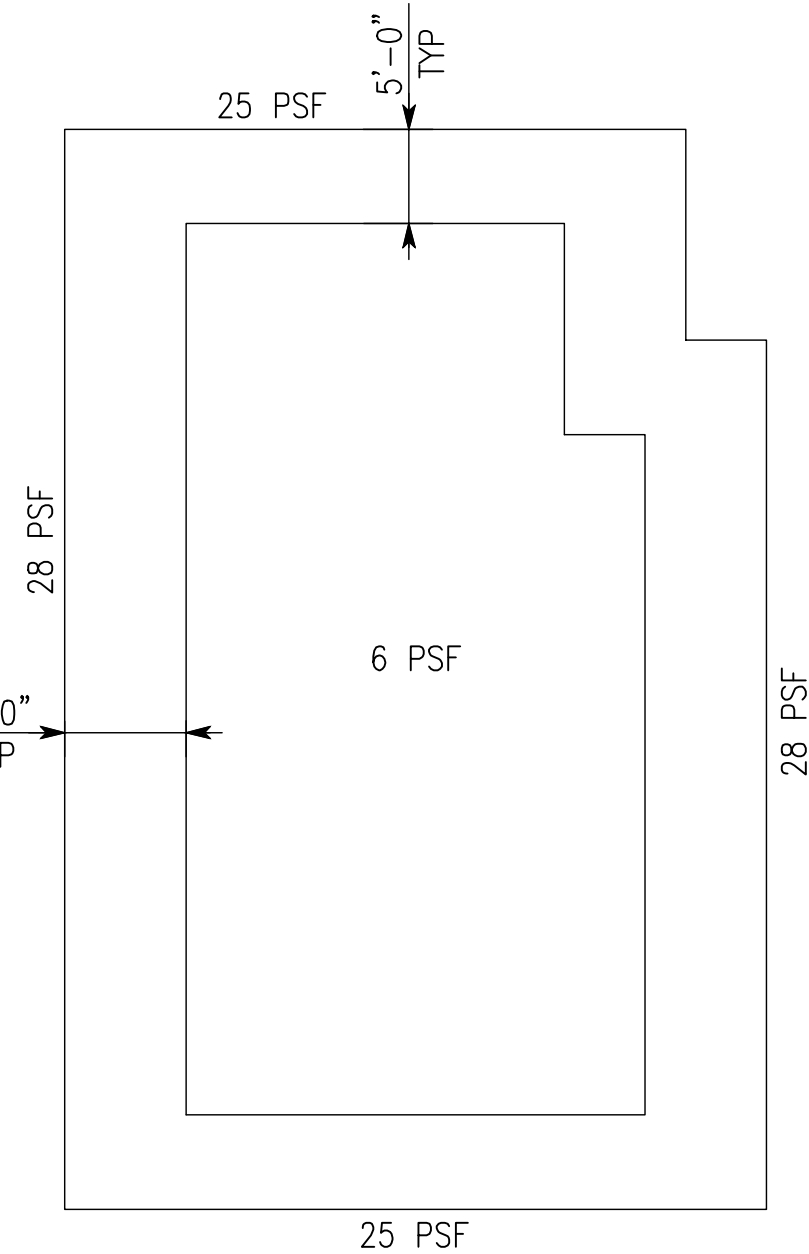


Joist Bearing at Top of Column

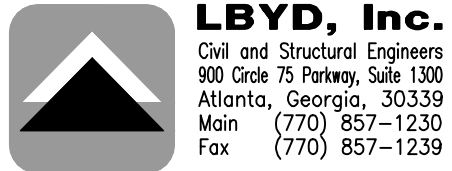
ZONE	EFFECTIVE WIND AREA (SQ.FT)	MAXIMUM POSITIVE PRESSURE (PSF)	MAXIMUM NEGATIVE PRESSURE (PSF)
1	10	+10.0	-20.4
	50	+10.0	-19.2
	100	+10.0	-18.7
	500	+10.0	-18.7
2	10	+10.0	-34.3
	50	+10.0	-25.8
	100	+10.0	-22.1
	500	+10.0	-22.1
3	10	+10.0	-51.6
	50	+10.0	-31.0
	100	+10.0	-22.1
	500	+10.0	-22.1
4	10	+18.7	-20.2
	50	+16.8	-18.3
	100	+15.9	-17.5
	500	+14.0	-15.6
5	10	+18.7	-24.9
	50	+16.8	-21.1
	100	+15.9	-19.3
	500	+14.0	-15.6
4P	10	±31.1	±31.1
	50	±27.5	±27.5
	100	±19.0	±19.0
	500	±19.0	±19.0
5P	10	±48.4	±48.4
	50	±39.6	±39.6
	100	±19.0	±19.0
	500	±19.0	±19.0

Components and Cladding Pressures

- NOTES:
1. SEE COMPONENT AND CLADDING DIAGRAMS FOR WALL AND ROOF ZONES
 2. 4P AND 5P ARE PARAPET WIND PRESSURES



Snow Load Plan



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Civil and Structural Engineers
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Fax (770) 857-1239

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07/26/2013: 80% CD Set for Review

09/23/2013: RELEASE FOR BID

12/01/13 FOR CONSTRUCTION

Revisions

Date

Job No.

2013-09-23 1201007000

Sheet Title

SCHEDULE OF SPECIAL
INSPECTIONS

Sheet No.

S-106

FOR CONSTRUCTION

SCHEDULE OF SPECIAL INSPECTION SERVICES					
Fayette County EOC					
MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT			
		Y/N	EXTENT	AGENT*	DATE COMPLETE
1704.2 Inspection of Fabricators					
Verify fabrication/quality control procedures.	In-plant review	Y (3)	Periodic	1	
1704.3 Steel Construction					
Material verification of high-strength bolts, nuts, and washers.	Review material markings and certificates of compliance	Y	Periodic	1	
Inspection of high-strength bolting:	Field inspection				
a. Snug-tight joints		Y	Periodic	1	
b. Pre-tensioned or slip-critical					
1) Turn-of-nut with matching markings		N	Periodic	-	
2) Direct tension indicator		N	Periodic	-	
3) Twist-off bolt		N	Periodic	-	
4) Turn-of-nut without matching markings		N	Continuous	-	
5) Calibrated wrench		N	Continuous	-	
Material verification of structural steel:					
a. Identification markings	Field inspection	Y	Periodic	1	
b. Certified mill tests	Review submittals	Y	Each submittal	2	
Weld filler materials.	Review certificate of compliance and field verification	Y	Periodic	1	
Structural steel welding:	Shop and field inspection				
a. Complete and partial penetration groove welds		Y	Continuous	1	
b. Multi-pass fillet welds		Y	Continuous	1	
c. Single-pass fillet welds > 5/16"		N	Continuous	-	
d. Single-pass fillet welds < 5/16"		Y	Periodic	1	
e. Floor and roof deck welds		Y	Periodic	1	
Reinforcing steel welding	Shop and field inspection				
a. Verification of weldability of steel other than ASTM A 706		Y	Periodic	1	
b. Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special concrete shear walls, and shear reinforcement		N	Continuous	-	
c. Shear reinforcement		N	Continuous	-	
d. Other reinforcing steel		N	Periodic	-	
Inspection of steel frame joint details for compliance with approved construction documents.	Field inspection				
a. Details such as bracing & stiffening		N	Periodic	-	
b. Member locations		Y	Periodic	1	
c. Application of joint details at each connection		Y	Periodic	1	
1704.4 Concrete Construction					
Inspection of reinforcing steel installation.	Field inspection	Y	Periodic	1	
Inspection of prestressing steel installation.	In-plant or field review	N	Periodic	-	
Inspection of prestressed concrete:	In-plant or field review				
a. Application of prestressing force		N	Continuous	-	
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system		N	Continuous	-	
Inspection of anchor bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased per IBC section 1911.5 or where strength design is used	Field inspection	Y	Continuous	1	
Inspection of anchors and reinforcing steel installed in hardened concrete: verify anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field inspection	Y	Periodic, or as required by ICC-ES Report	1	
Verify use of approved design mix	Field review	Y	Periodic	1	
Fresh concrete sampling	Field testing	Y	Continuous	1	
Inspection of concrete and shotcrete placement for proper application techniques	Field inspection	Y	Continuous	1	
Concrete and shotcrete curing operations	Field inspection	Y	Periodic	1	
Erection of precast concrete members	Field inspection	N	Periodic	-	
Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Y	Periodic	1	
Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs	Review field testing and laboratory reports	N	Periodic	-	
Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic	1	
1704.5 Masonry Construction					
Verify proportions of site prepared mortar, grout and prestressing grout for bonded tendons.	Field and submittal review	Y	Periodic	1	
Verify construction of mortar joints	Field inspection	Y	Periodic	1	
Verify location of reinforcement and connectors, and placement of prestressing tendons and anchorages	Field inspection	Y	Periodic	1	
Verify prestressing technique	Field inspection	N	Periodic	-	
Verify size and location of structural masonry elements.	Field and submittal review	Y	Periodic	1	
Verify type, size, and location of anchors, including details of anchorage of masonry to structural members, frames, or other construction.	Field inspection	N	Level 1 - Periodic	-	
		Y	Level 2 - Continuous	1	

Verify size, grade, and type of reinforcement	Field inspection	Y	Periodic	1	
Verify welding of reinforcing bars	Field inspection	Y	Continuous	1	
Verify protection of masonry during hot/cold weather	Field inspection	Y	Periodic	1	
Verify grout space is clean prior to grouting	Field inspection	N	Level 1 - Periodic	-	
		Y	Level 2 - Continuous	1	
Verify grout placement complies with code and construction document provisions	Field inspection	Y	Continuous	1	
Testing of grout specimens, mortar specimens, and/or prisms required by construction documents	Field testing	Y	Periodic	1	
Observe preparation of prisms required by construction documents	Field inspection	Y	Continuous	1	
Verify compliance with required testing and inspection provisions of construction documents and the approved submittals	Field testing and inspection	Y	Periodic	1	
Verify grade and size of prestressing tendons and anchorages	Field inspection	N	Periodic	-	
Verify proper grouting of prestressing tendons	Field inspection	N	Continuous	-	
Verify application and measurement of prestressing force	Field inspection	N	Level 1 - Periodic	-	
		N	Level 2 - Continuous	-	
1704.6 Wood Construction					
Inspection of the fabrication process of wood structural elements and assemblies in accordance with Section 1704.2	In-plant review	N	Periodic	-	
For high-load diaphragms, verification of grade and thickness of structural panel sheathing	Field inspection	N	Periodic	-	
For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners in each line and at edge margins agrees with approved bldg plans	Field inspection	N	Periodic	-	
1704.7 Soils					
Verify materials below shallow foundations are adequate to achieve the design bearing capacity	Field inspection	Y	Periodic	1	
Verify excavations are extended to proper depth and have reached proper material	Field inspection	Y	Periodic	1	
Perform classification and testing of controlled fill materials	Field inspection	Y	Periodic	1	
Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill	Field inspection	Y	Continuous	1	
Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly	Field inspection	Y	Periodic	1	
1704.8 Pile Foundations					
Verify pile materials, sizes and lengths comply with requirements	Field inspection and submittal review.	N	Continuous	-	
Verify capacities of test piles and results of additional load tests, as required	Field inspection and submittal review	N	Continuous	-	
Observe pile driving operations and maintain complete and accurate records for each pile	Field inspection and submittal review. Submittal to the bldg official of the results of pile load tests.	N	Continuous	-	
Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, verify required penetrations to achieve design capacity, record tip and butt elevations, and document any pile damage	Field inspection and submittal review	N	Continuous	-	
For steel piles, perform additional inspections per Section 1704.3	See Section 1704.3	N	See Section 1704.3	-	
For concrete piles and concrete-filled piles, perform additional inspections per Section 1704.4	See Section 1704.4	N	See Section 1704.4	-	
For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge	Field inspection	N	Periodic	-	
		N	Continuous	-	
For augered uncased piles and caisson piles, perform inspections per Section 1704.9	See Section 1704.9	N	See Section 1704.9	-	
1704.9 Pier Foundations					
Observe drilling operations and verify that complete and accurate records are maintained for each pier.	Field inspection and submittal review.	N	Continuous	-	
Verify placement locations and plumbness, confirm pier diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable), and adequate end bearing strata capacity.	Field inspection and submittal review.	N	Continuous	-	
For concrete piers, perform additional inspections per Section 1704.4.	See Section 1704.4	N	See Section 1704.4	-	
For masonry piers, perform additional inspections per Section 1704.5.	See Section 1704.5	N	See Section 1704.5	-	
1704.10 Sprayed Fire-resistant Materials					
Verify surface condition preparation of structural members.	Field inspection	N	Periodic	-	
Verify application of sprayed fire-resistant materials.	Field inspection	N	Periodic	-	
Verify average thickness of sprayed fire-resistant materials applied to structural members.	Field inspection	N	Periodic	-	
Verify density of the sprayed fire-resistant material complies with approved fire-resistant design.	Field inspection and submittal review	N	Periodic	-	
Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material.	Field inspection and submittal review	N	Per IBC section 1704.101.5	-	
1704.11 Mastic and Intumescent Fire-Resistant Coatings					
Inspect mastic and intumescent fire-resistant coatings applied to structural elements and decks, in accordance with AWCI 12-B.	Field inspection	N	Periodic	-	
1704.12 Exterior Insulation and Finish Systems (EIFS)					
Verify materials, details and installations are per construction documents.	Field inspection	N	Periodic	-	
1704.13 Special Cases					
Work unusual in nature, including but not limited to alternative construction materials, unusual design applications, systems or materials with special manufacturer requirements.	Submittal review, shop inspection and/or field inspection.	N	-	-	

1704.14 Smoke Control Systems					
Leakage testing and recording of device locations prior to concealment.	Field testing	Y	Periodic	1	
Prior to occupancy and after sufficient completion, pressure difference testing, flow measurements, and detection and control verification.	Field testing	Y	Periodic	1	
1707.2 Structural Steel Special Inspections for Seismic Resistance					
Continuous inspection of structural welding in accordance with AISC 341, Seismic Provisions	Shop and field inspection	N	Continuous	-	
1707.3 Structural Wood Special Inspections for Seismic Resistance					
Inspection of field gluing operations of elements of the seismic-force resisting system.	Field inspection	N	Continuous	-	
Inspection of nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system.	Shop and field inspection	N	Periodic	-	
1707.4 Cold-formed Steel Framing Special Inspections for Seismic Resistance					
Inspection during welding operations of elements of the seismic-force-resisting system.	Shop and field inspection	N	Periodic	-	
Inspections for screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system.	Shop and field inspection	N	Periodic	-	
1707.5 Pier Foundations Special Inspections for Seismic Resistance					
Inspection during placement of reinforcing.	Field inspection	N	Periodic	-	
Inspection during placement of concrete.	Field inspection	N	Continuous	-	
1707.6 Storage Racks and Access Floors Special Inspections for Seismic Resistance					
Inspection during the anchorage of access floors and storage racks 8 feet or greater in height.	Field inspection	N	Periodic	-	
1707.7 Architectural Components Special Inspections for Seismic Resistance					
Inspection during the erection and fastening of exterior cladding and interior and exterior veneer.	Field inspection	N	Periodic	-	
Inspection during the erection and fastening of interior and exterior non load bearing walls.	Field inspection	N	Periodic	-	
1707.8 Mechanical and Electrical Components Special Inspections for Seismic Resistance					
Inspection during the anchorage of electrical equipment for emergency or standby power systems.	Field inspection	N	Periodic	-	
Inspection during the anchorage of other electrical equipment.	Field inspection	N	Periodic	-	
Inspection during installation of piping systems intended to carry flammable, combustible, or highly toxic contents and their associated mechanical units.	Field inspection	N	Periodic	-	
Inspection during the installation of HVAC ductwork that will contain hazardous materials	Field inspection	N	Periodic	-	
Inspection during the installation of vibration isolation systems.	Field inspection	N	Periodic	-	
1707.9 Designated Seismic System Verification					
Inspect and verify that that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with 1708.5.	Field inspection	N	Periodic	-	
1707.10 Seismic Isolation System					
Inspection during the fabrication and installation of isolator units and energy dissipation devices used as part of the seismic isolation system.	Shop and field inspection	N	Periodic	-	
1708.1 Masonry Testing and Verification for Seismic Resistance					
Certificates of compliance used in masonry construction	Review submittals	Y	Each submittal	1	
Verification of fm and FAAC prior to construction	Review submittals	Y	Each Submittal	1	
Verification of fm and FAAC every 5000 SF during construction	Review submittals and field testing	Y	Periodic	1	
Verification of proportions of materials in mortar and grout as delivered to the site	Field review	Y	Periodic	1	
1708.3 Reinforcing and Prestressing Steel Testing for Seismic Resistance					
Review certified mill test reports for each shipment of reinforcing steel used to resist flexural, shear and axial forces in concrete intermediate frames, special moment frames and special concrete or masonry shear walls.	Review testing reports	N	Each submittal	-	
Verify reinforcing steel weldability of ASTM A615 reinforcing used to resist seismic flexural and axial forces in special moment frames and shear walls.	Review testing reports	N	Each submittal	-	
1708.4 Structural Steel Testing for Seismic Resistance					
Test in accordance with the quality assurance requirements of AISC 341, Seismic Provisions	Shop and field testing	N	Per AISC 341	-	
Ultrasonically test for discontinuities behind and adjacent to welds with base metal thicker than 1.5 inches where subject to through-thickness weld shrinkage strains.	Shop and field testing	N	Each occurrence	-	
1708.5 Seismic Qualification of Mechanical and Electrical Equipment					
Review certificate of compliance for designated seismic system components	Certificate of compliance review	N	Each submittal	-	
1708.6 Seismically Isolated Structures					
Test seismic isolation system in accordance with ASCE 7 Section 17.8	Prototype testing	N	Per ASCE 7	-	
* INSPECTION AGENTS (Include Name, Firm, Address and Telephone Number)					
1. Special Inspector (Firm to be determined)					
2. Structural Engineer-of-Record (LBYP, Inc. 716 S 30th St Birmingham, AL 35233 205-251-4500)					
3					
4					
5					
6					
7					
Notes:					
1. The inspection and testing agent(s) shall be engaged by the Design Professional or the Special Inspector, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed prior to commencing work. The qualification of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Design Professional.					
2. The list of Special Inspectors may be submitted as a separate document, if noted so above.					
3. Inspection of fabrications is not required where the fabricator is approved in accordance with IBC Section 1704.2.2					
Are Requirements for Seismic Resistance included in the Statement of Special Inspections? ☐ Yes ■ No					
Are Requirements for Wind Resistance included in the Statement of Special Inspections? ☐ Yes ■ No					



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ARCHITECTS INTERIORS

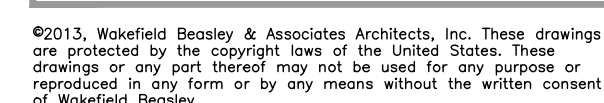
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110 Volunteer Way
Fayetteville, Georgia 30215



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Revisions

Date _____

Job No.

2013-09-2

Title
**FOUNDATION
PLAN**

Sheet No. _____

S-200

FOR CONSTRUCTION


$$\underline{\underline{1/8'' = 1'-0''}}$$

NOTES:

1. FINISH FLOOR REFERENCE ELEVATION (TOP OF SLAB) 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATIONS -1'-4" BELOW FINISH FLOOR, UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. PROVIDE 2#5x5'-0" LONG AT MID-DEPTH OF SLAB AT ALL REENTRANT CORNERS AND DISCONTINUOUS CONTROL JOINTS.
5. S DENOTES 1'-4" FOOTING STEP - SEE TYPICAL DETAILS.


$$\underline{\underline{1/8'' = 1'-0''}}$$

NOTES:

- NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF PARKING LOT RAMP.
 2. SEE CIVIL DRAWINGS FOR FINISH GRADE ELEVATIONS.
 3. LOCATIONS OF FOOTING STEPS SHOWN IN PLAN ARE APPROXIMATE, STEP FOOTING AS REQUIRED.



PROJECT NO.

201-13-014.001

ARCHITECTS INTERIORS

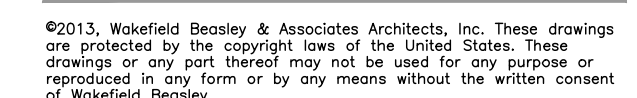
Atlanta Office:

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2013-09-23	1207007000

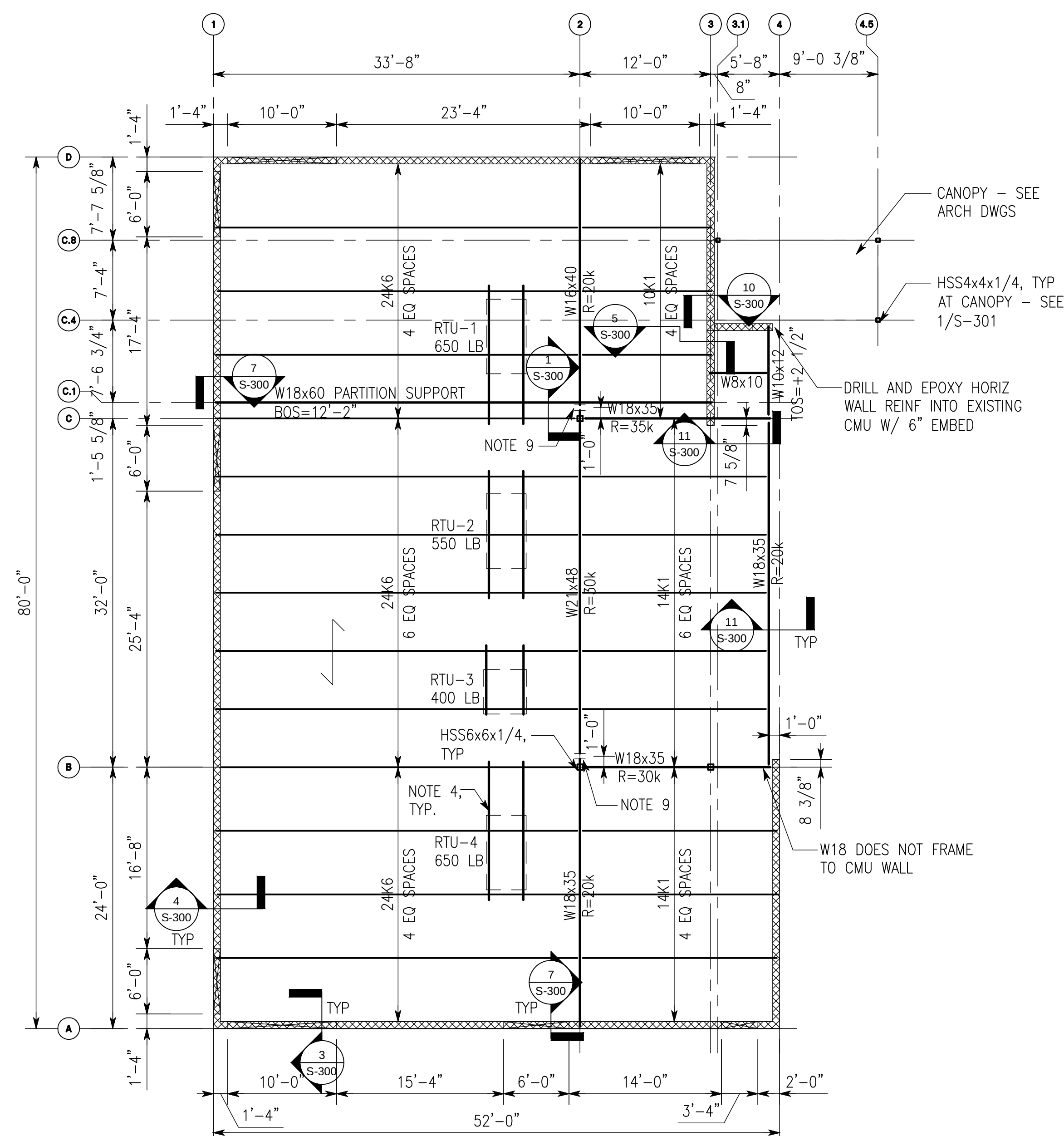
Sheet Title

**ROOF FRAMING
PLAN**

Sheet No. _____

S-201

FOR CONSTRUCTION

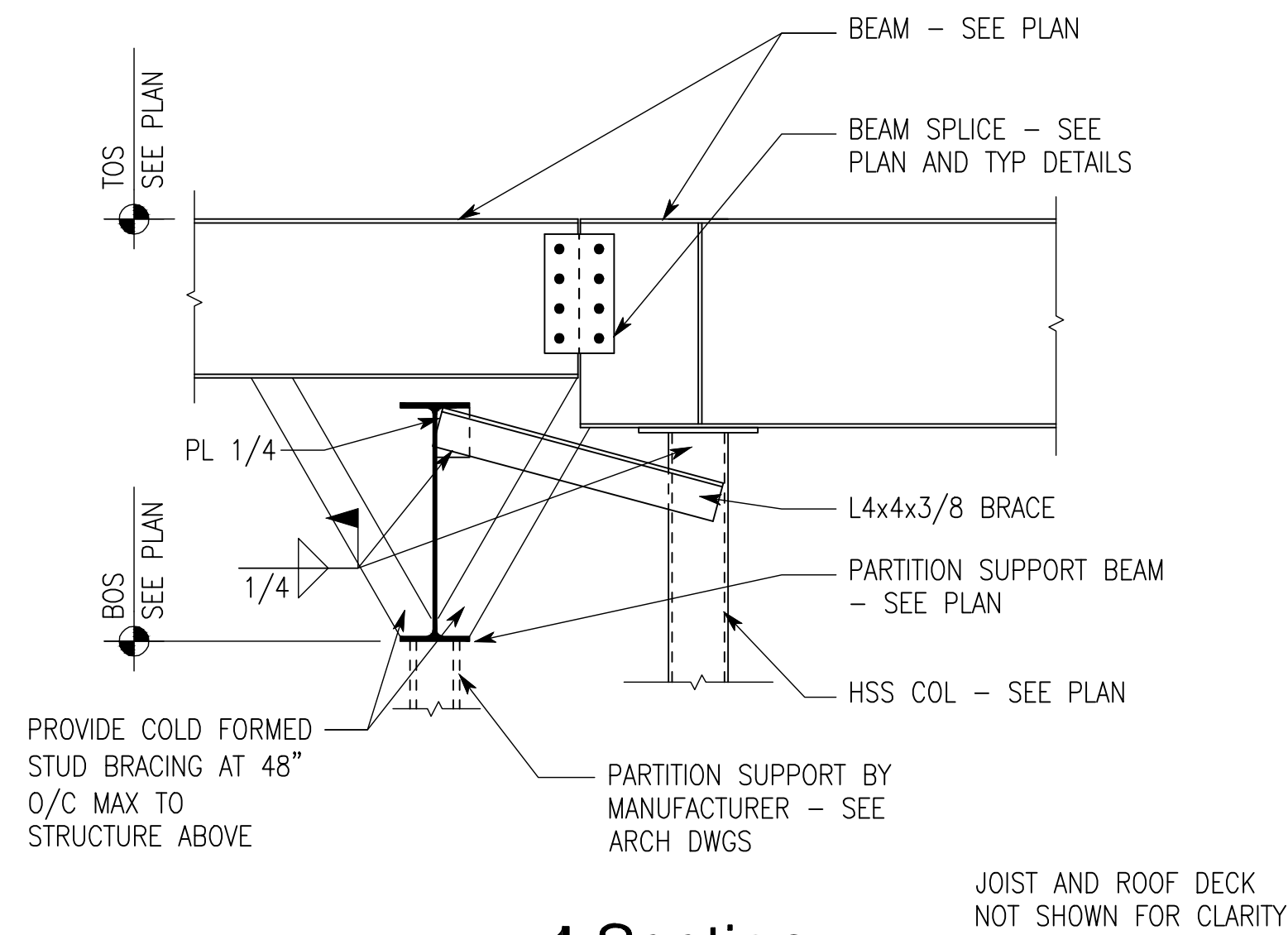


Roof Framing Plan

$$\underline{\underline{1/8'' = 1'-0''}}$$

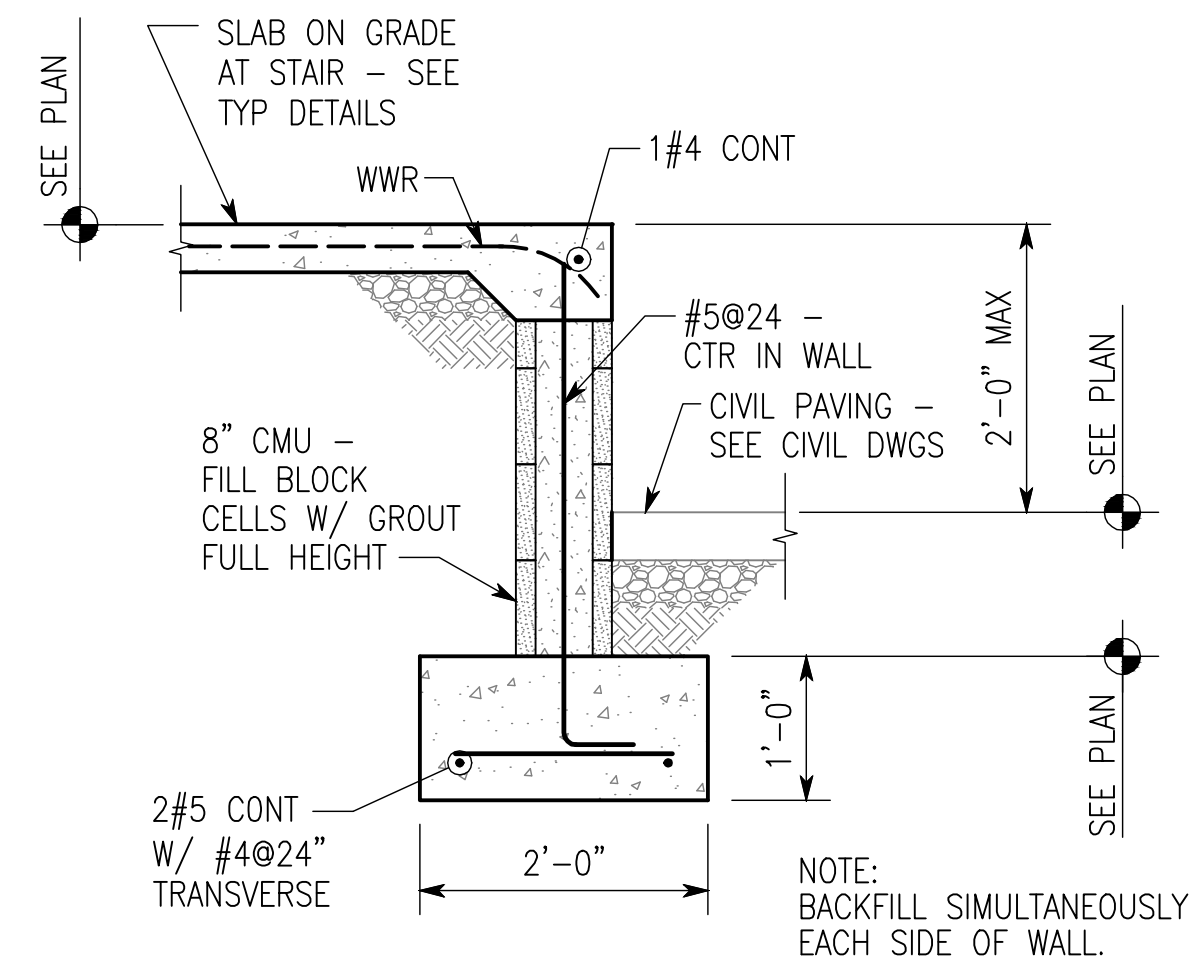
NOTES:

1. TOP OF STEEL (JOIST BEARING) ELEVATION AT COLUMN LINE 1 14'-7" AND 15'-8" AT COLUMN LINE 4, UNLESS NOTED. TOP OF STEEL IS UNIFORMLY SLOPING BETWEEN NOTED ELEVATIONS.
2. ROOF SYSTEM: 1 1/2" WIDE RIB, STEEL ROOF DECK ON STEEL JOISTS AT UNIFORM SPACING NOTED ON PLAN.
3. VERTICAL BEAM SHEAR REACTIONS ARE INDICATED BENEATH BEAM SIZES AS $R=\#k$, WHERE $\#$ IS THE MAGNITUDE OF THE FACTORED LOAD IN KIPS.
4. EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY SIZE, WEIGHT, AND LOCATION OF ALL MECHANICAL UNITS WITH JOIST MANUFACTURER. DO NOT SCALE FROM THESE DRAWINGS. REFERENCE MECHANICAL UNIT CURB ON EXISTING ROOF SUPPORT DETAIL ON S-105 FOR SUPPORT FRAMING REQUIRED.
5. SEE TYPICAL DETAILS FOR JOIST REINFORCEMENT PIPE HANGER DETAIL. SEE MECHANICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS.
6. SEE TYPICAL DETAILS FOR FRAMING AT ROOF OPENINGS. COORDINATE LOCATION OF OPENING AND WEIGHT OF EQUIPMENT WITH MECHANICAL DRAWINGS.
7. TOP OF CMU WALLS 18'-0" UNLESS NOTED
8. BEAMS PARALLEL TO JOIST ARE 2 1/2" HIGHER THAN SUPPORTING BEAMS
9. $\pm$ DENOTES CENTERLINE OF BEAM SPLICE - SEE TYPICAL DETAILS



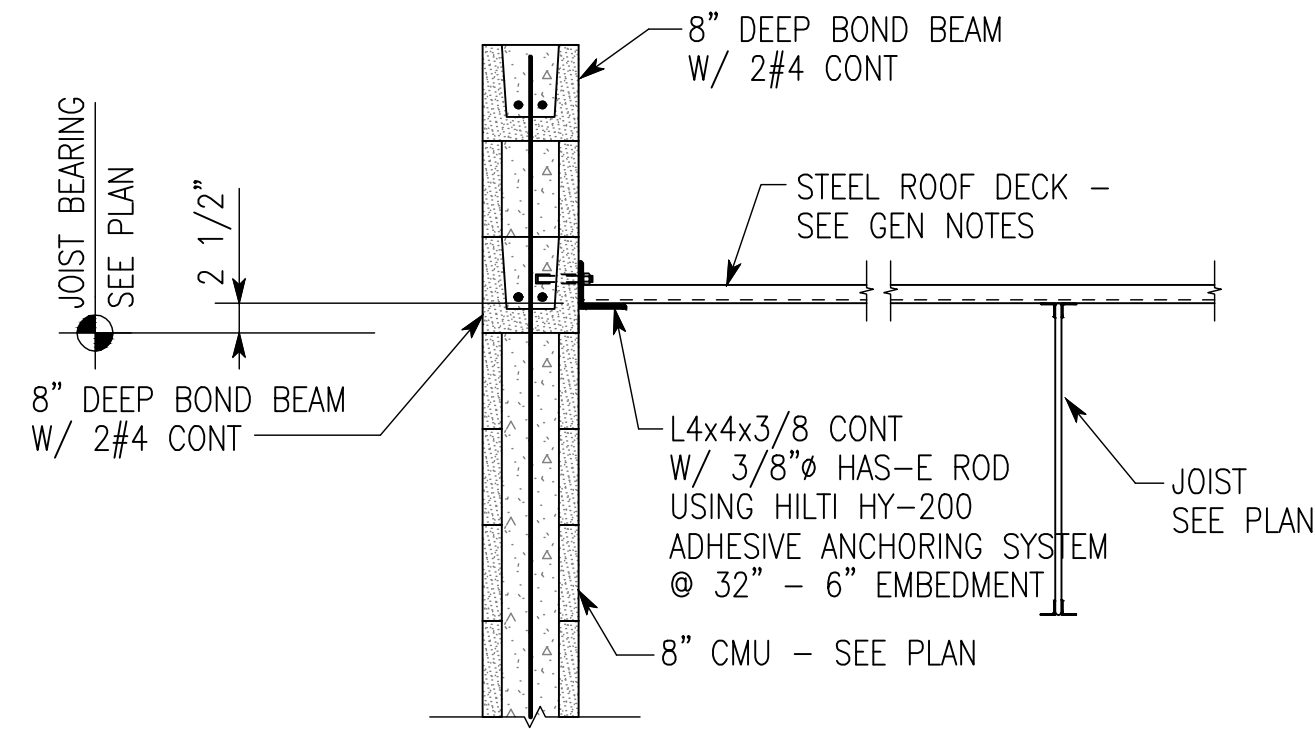
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S-300 3/4"=1'-0"

JOIST AND ROOF DECK
NOT SHOWN FOR CLARITY

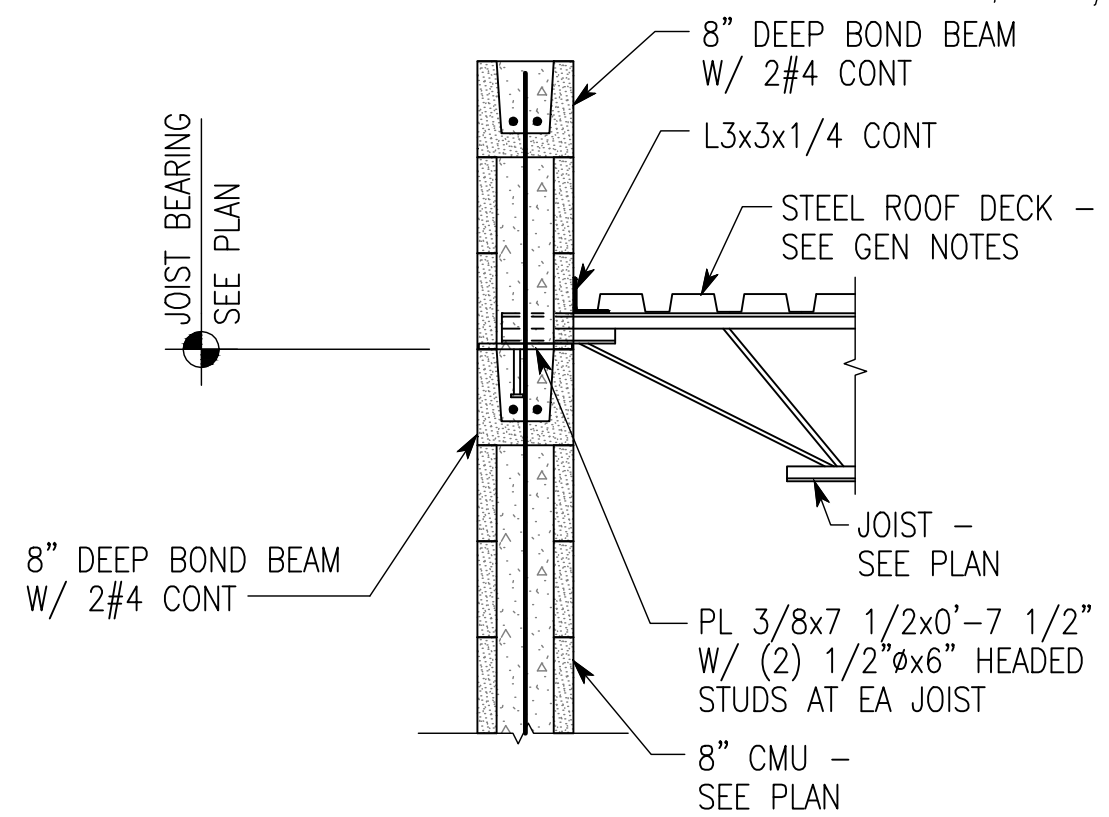


2 Section
S-300 3/4"=1'-0"

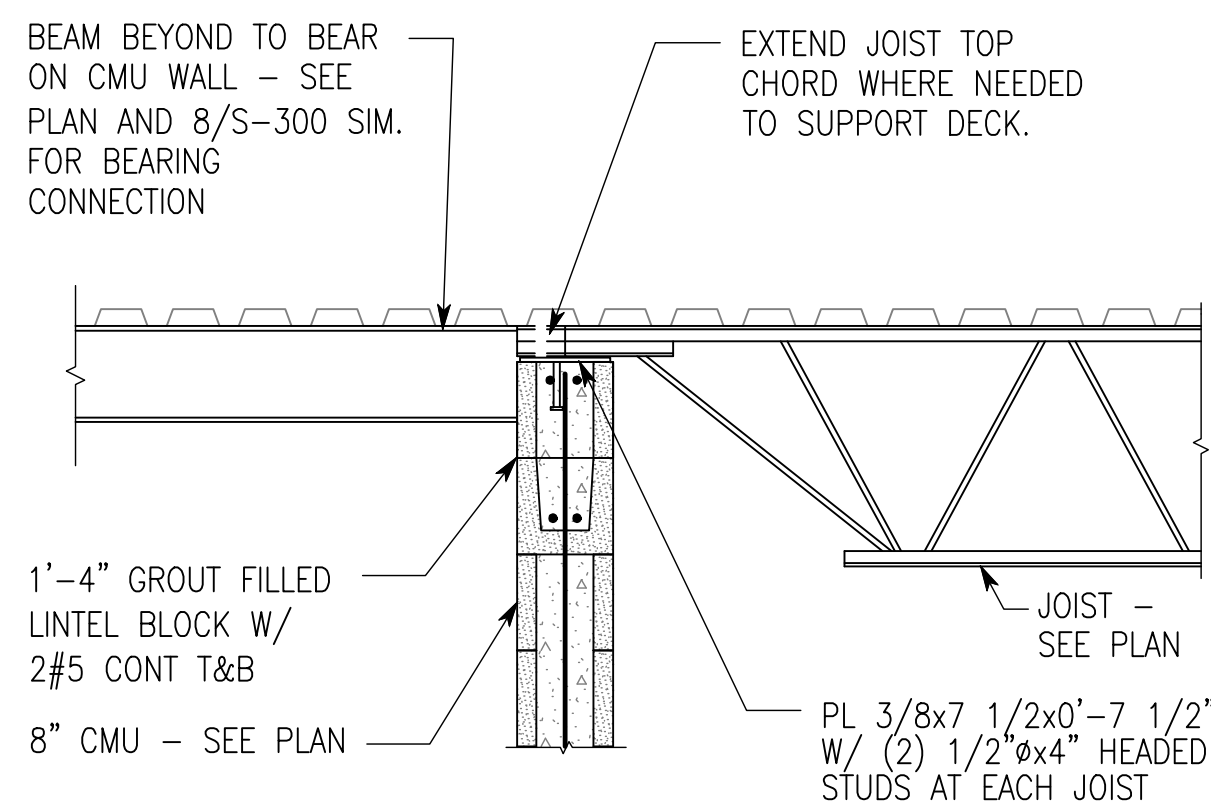
NOTE: BACKFILL SIMULTANEOUSLY EACH SIDE OF WALL.



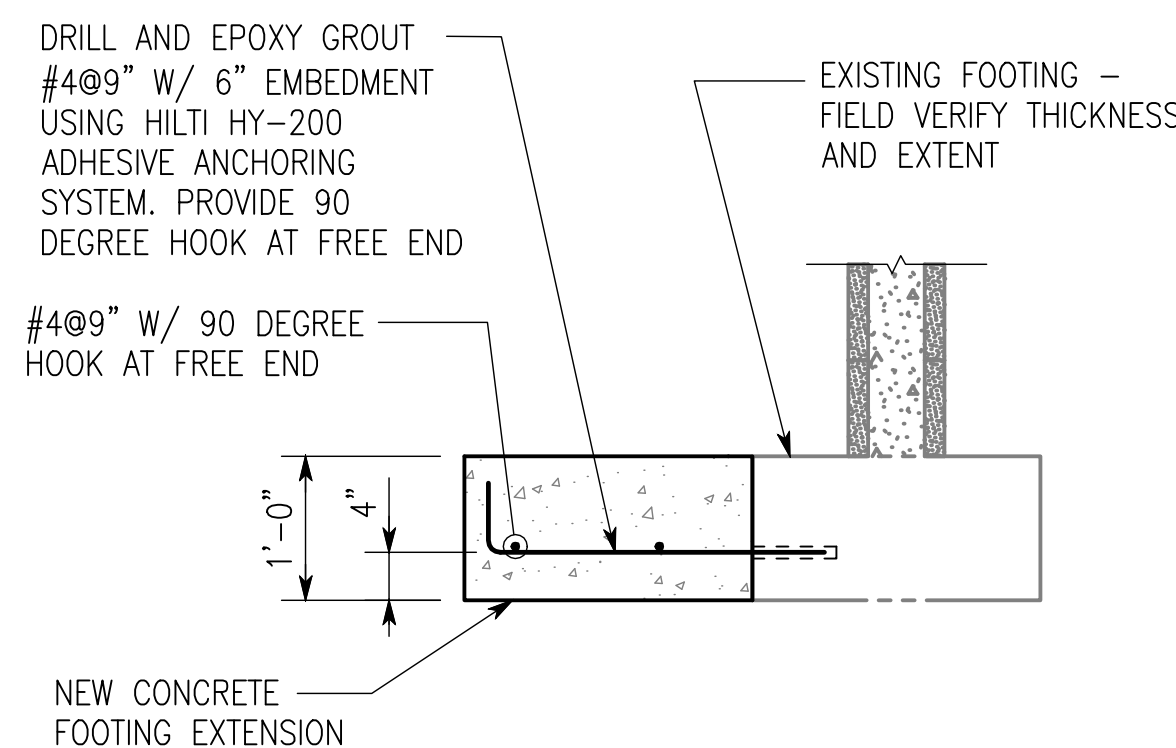
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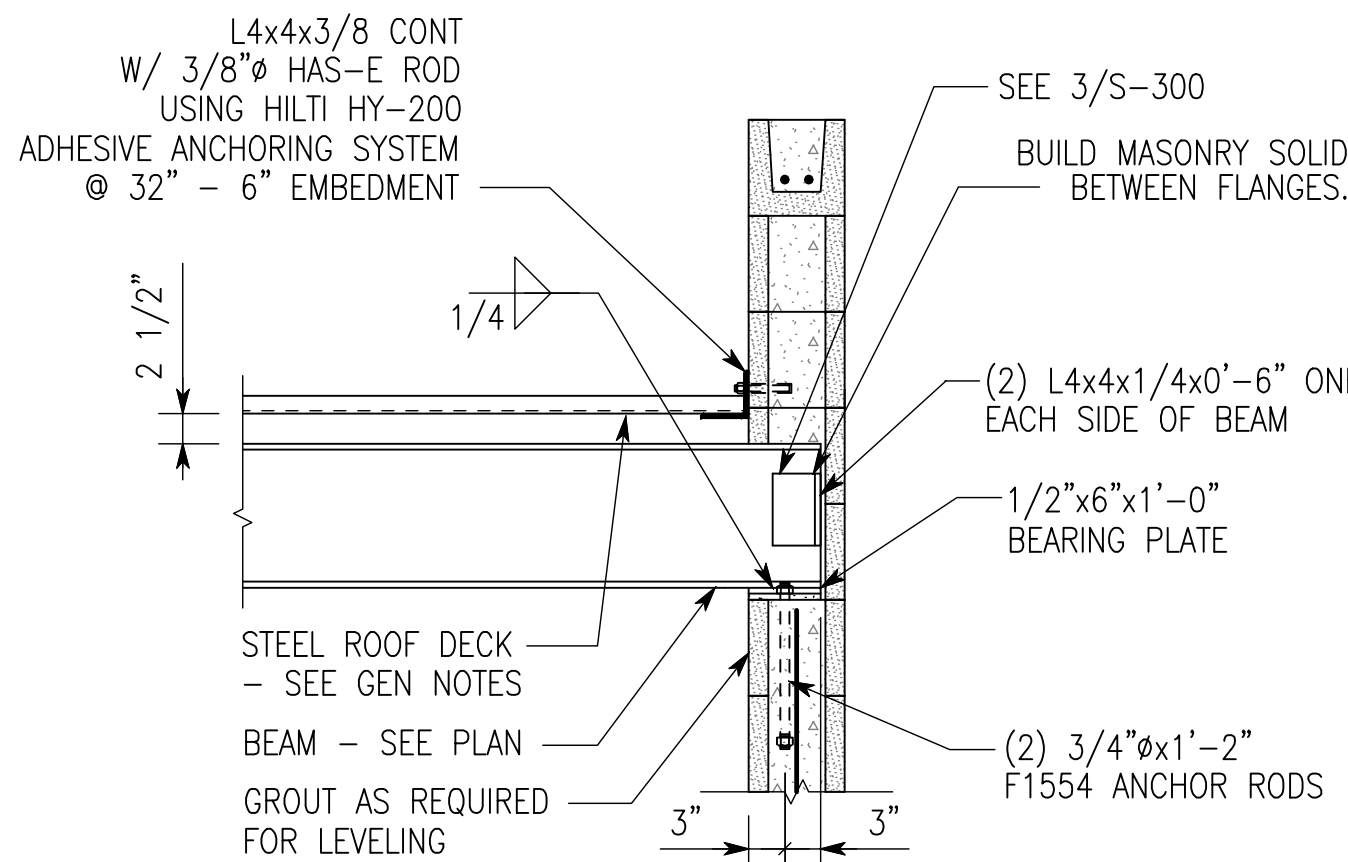
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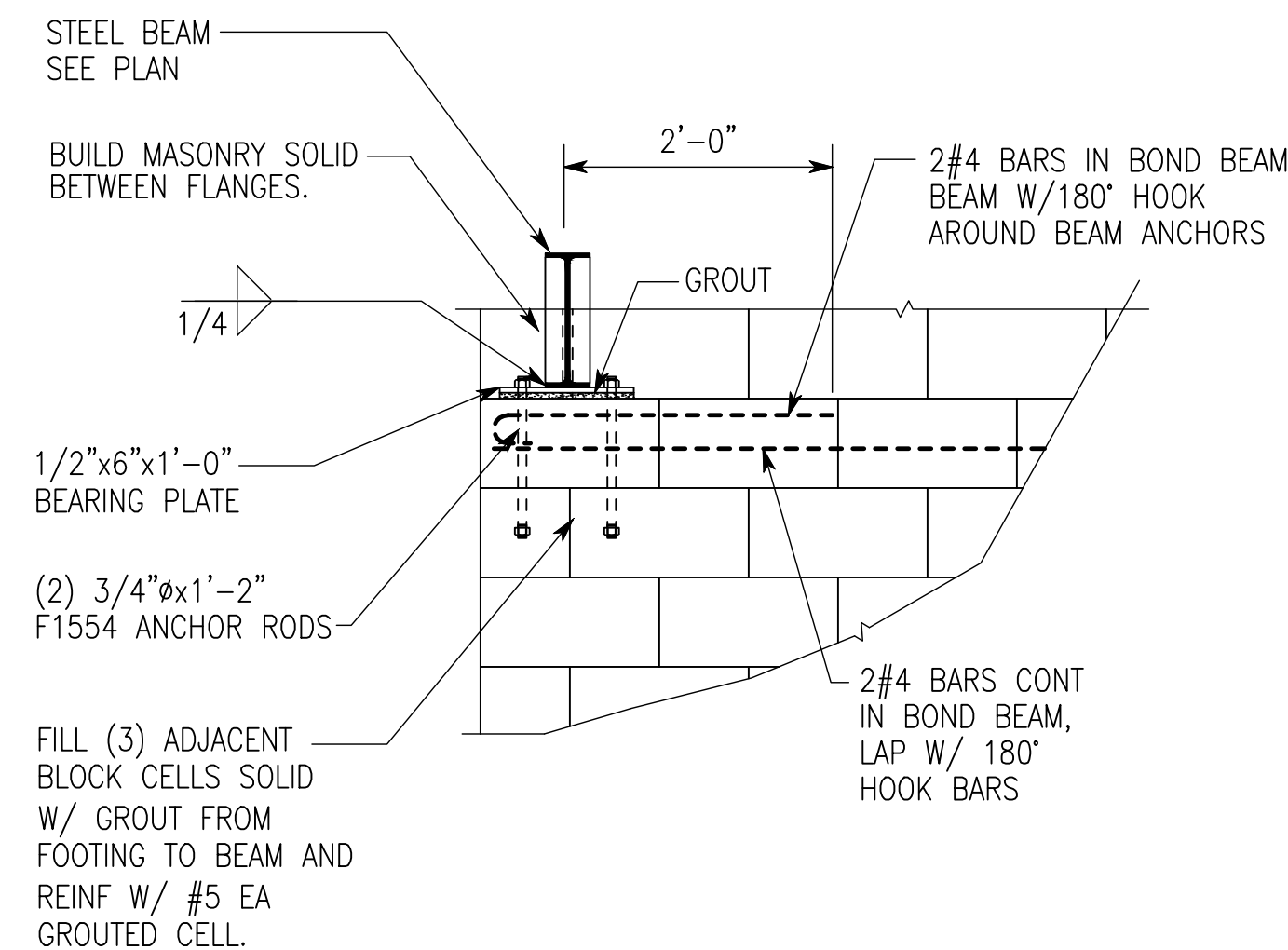
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S-300 3/4"=1'-0"



6 Section
S-300 3/4"=1'-0"

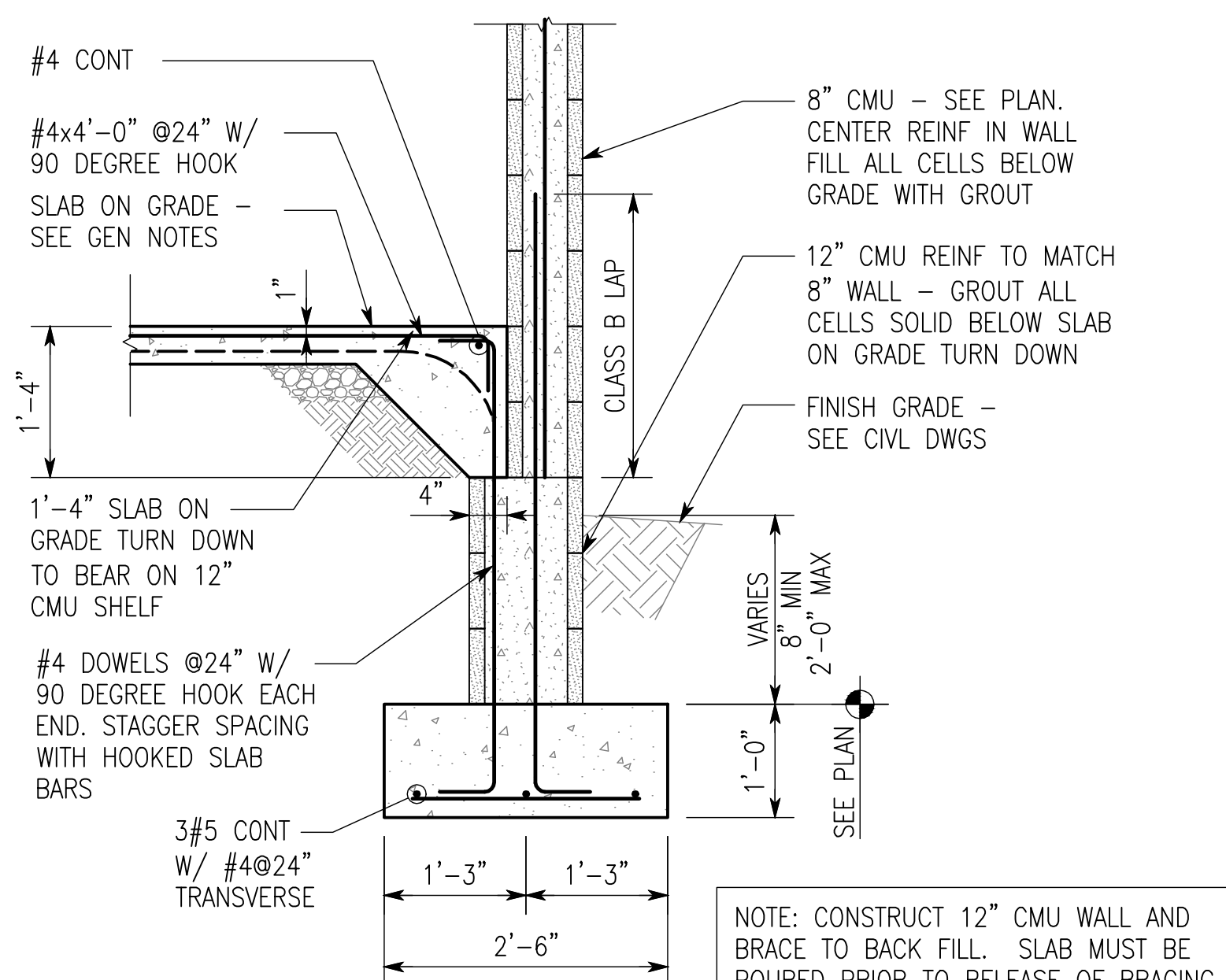


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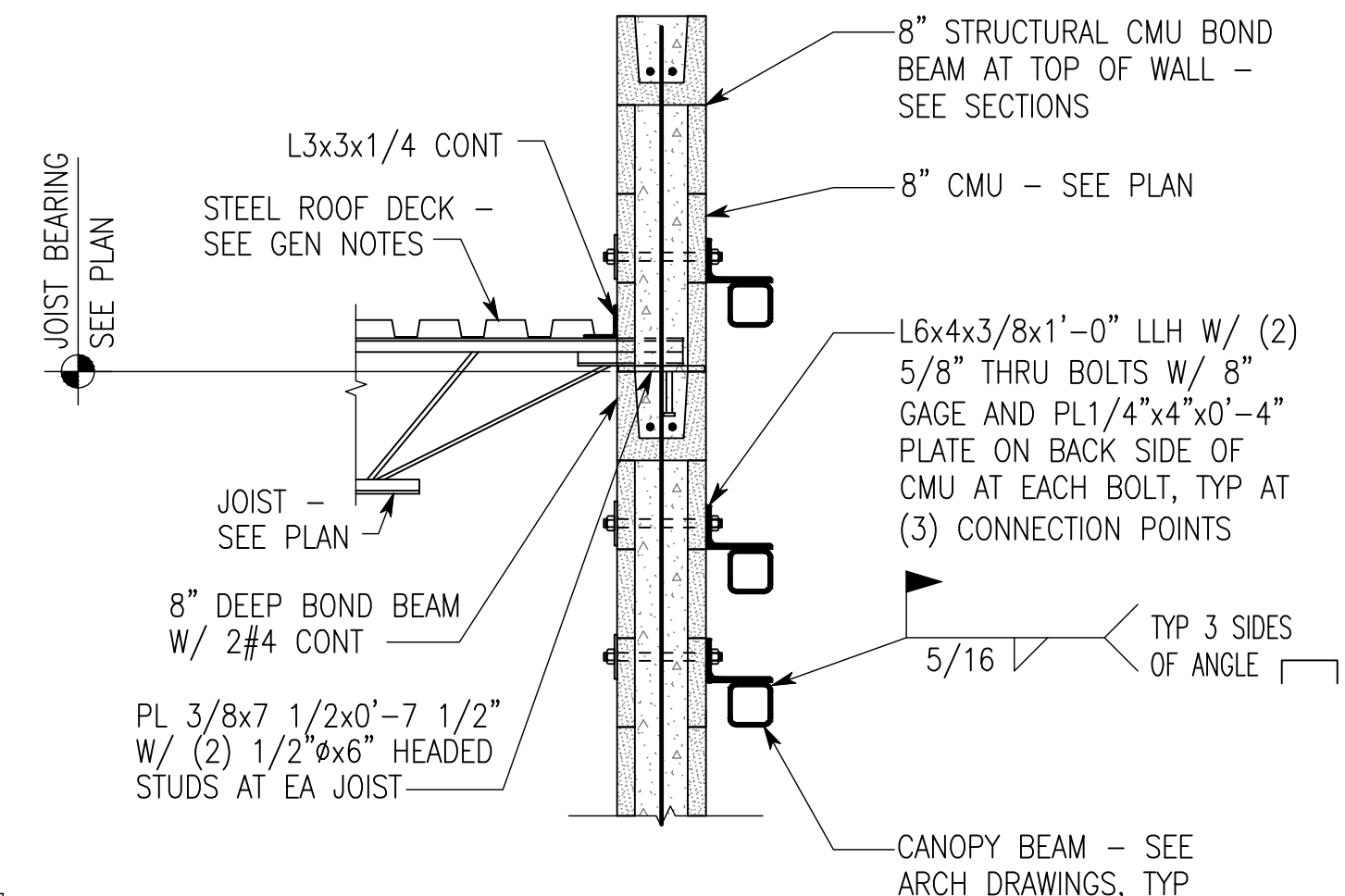
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S-300 3/4"=1'-0"

NOTE: FILL (3) ADJACENT BLOCK CELLS SOLID W/ GROUT FROM FOOTING TO BEAM AND REINF W/ #5 EA GROUTED CELL.

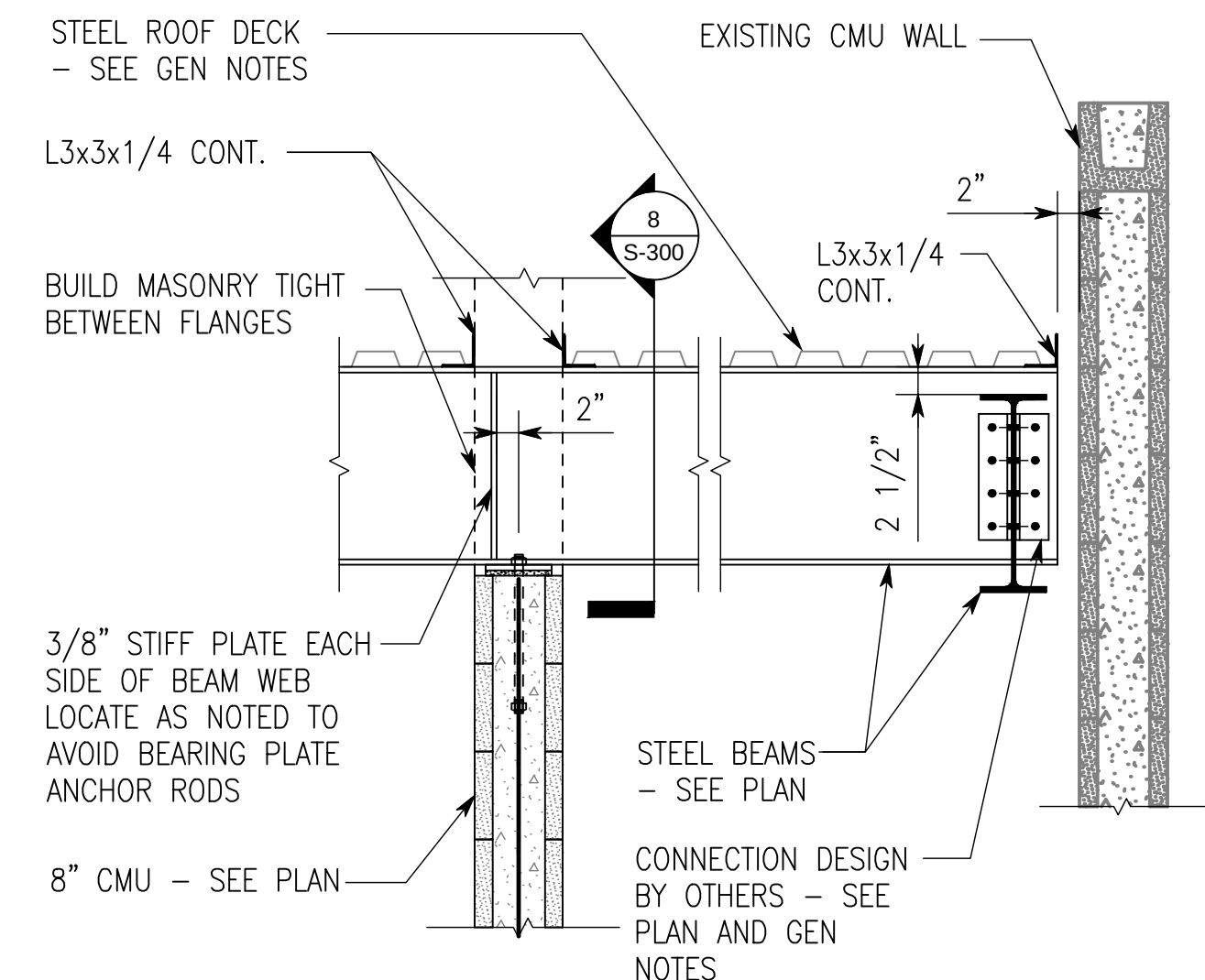


9 Section
S-300 3/4"=1'-0"

NOTE: CONSTRUCT 12\"/>

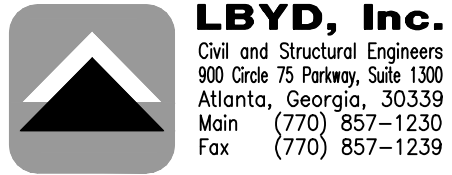


10 Section
S-300 3/4"=1'-0"



11 Section
S-300 3/4"=1'-0"

NOTE: FILL (4) ADJACENT BLOCK CELLS SOLID W/ GROUT FROM FOOTING TO BEAM AND REINF W/ #5 EA GROUTED CELL.



LBYPD, Inc.
Civil and Structural Engineers
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201-13-014.001
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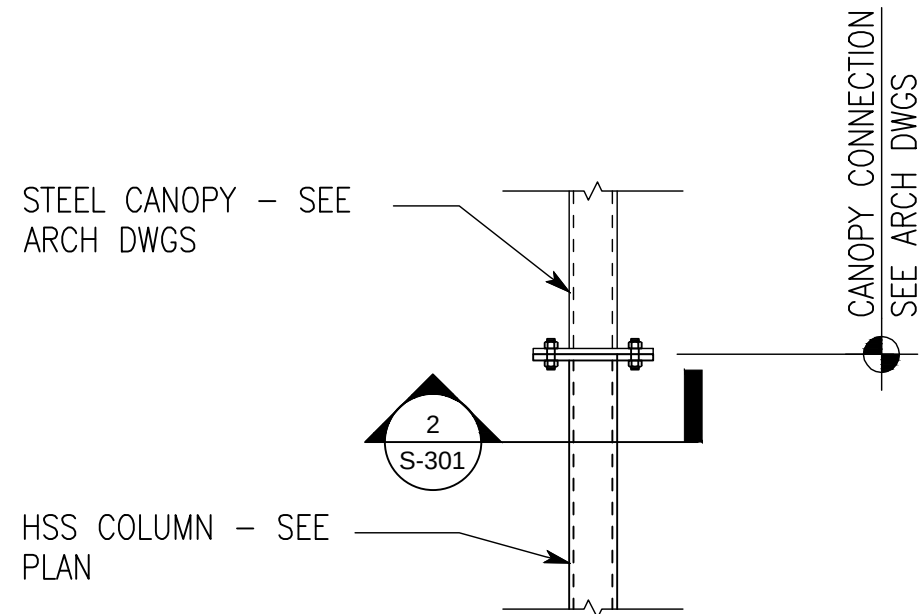
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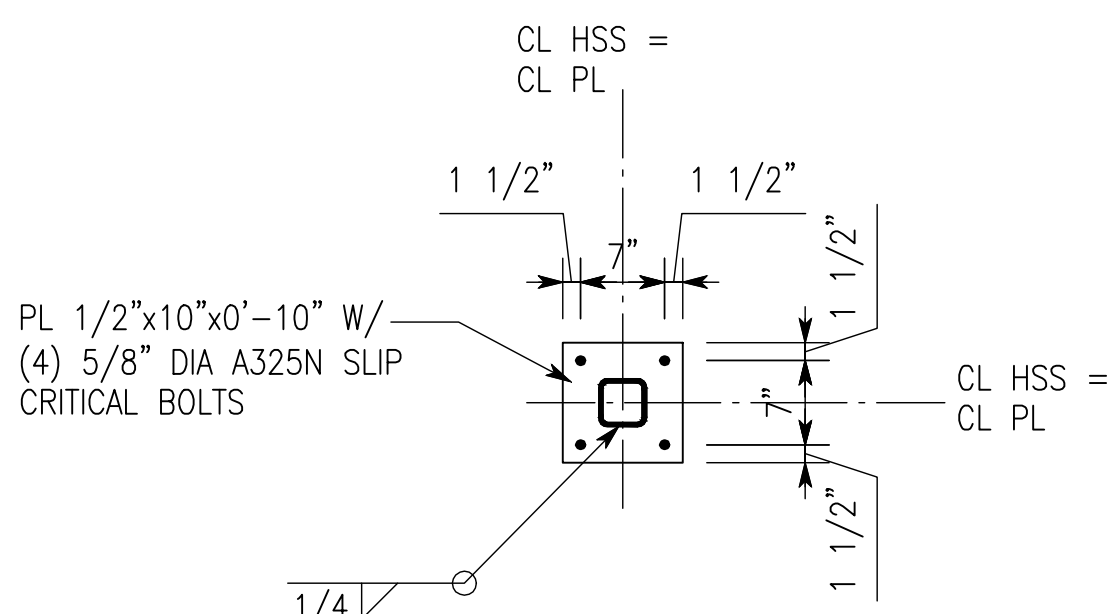
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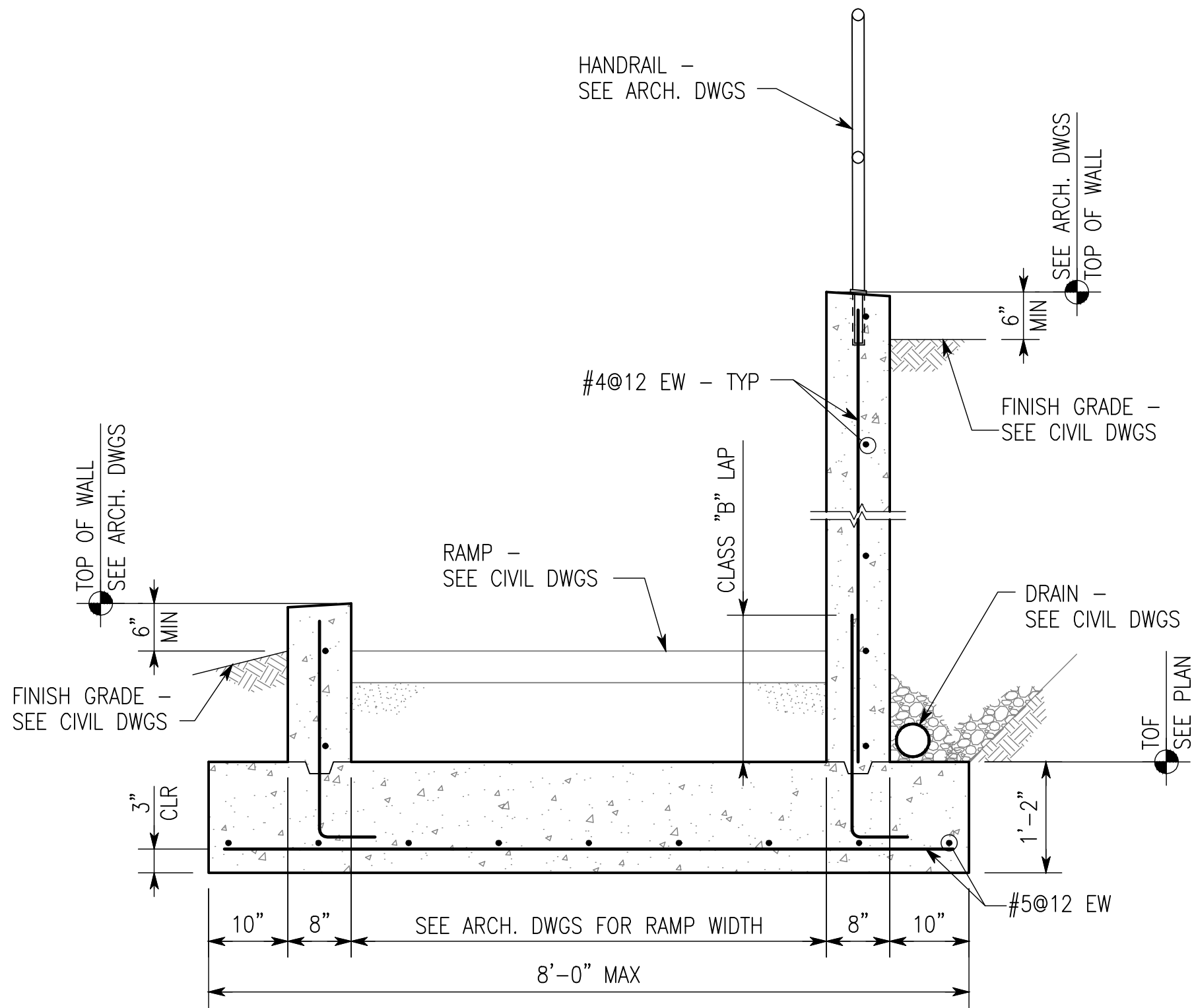
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1 Section
S-301 3/4"=1'-0"



2 Section
S-301 3/4"=1'-0"



3 Section
S-301 3/4"=1'-0"

FAYETTE
COUNTY
EOC

110 Volunteer Way
Fayetteville, Georgia 30215



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Date 2/20/13-09-23 Job No. 1201001000

Sheet Title

SECTION AND
DETAILS

Sheet No.

S-301

FOR CONSTRUCTION

FILENAME: \\FSERV\\files\\Projects\\13-046 Fayette Co EOC\\Vang\\Vang PLOT TIME/DATE: Thursday, December 5, 2013 11:04:36 AM LAST SAVE: 12/2/2013 9:41 AM PLOTTED BY: Fred Gordon PLOTTER: PBF995 PLOT SCALE: 1 PAPER SIZE: ---- PENVABLE: ----



COMcheck Software Version 3.9.1
Mechanical Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: Addition

Project Title : Fayette County EOC

Construction Site:
110 Volunteer Way
Fayetteville, GA 30215

Owner/Agent:

Designer/Contractor:

Fred Gordon
Covalent Consulting
1708 Peachtree Street, NW
Suite 210
Atlanta, GA 30309

Section 2: General Information

Building Location (for weather data):

Fayetteville, Georgia
3a

Climate Zone:

Section 3: Mechanical Systems List

Quantity	System Type & Description
1	HVAC System RTU-1 (Single Zone) : Heating: 1 each - Central Furnace, Gas, Capacity = 75 kBtu/h, Efficiency = 80.00% Et Cooling: 1 each - Rooftop Package Unit, Capacity = 45 kBtu/h, Efficiency = 13.00 SEER, Air-Cooled Condenser
1	HVAC System RTU-2 (Single Zone) : Heating: 1 each - Central Furnace, Gas, Capacity = 75 kBtu/h, Efficiency = 80.00% Et Cooling: 1 each - Rooftop Package Unit, Capacity = 36 kBtu/h, Efficiency = 13.00 SEER, Air-Cooled Condenser
1	HVAC System RTU-3 (Single Zone) : Heating: 1 each - Central Furnace, Gas, Capacity = 70 kBtu/h, Efficiency = 80.00% Et Cooling: 1 each - Rooftop Package Unit, Capacity = 32 kBtu/h, Efficiency = 13.00 SEER, Air-Cooled Condenser
1	HVAC System RTU-4 (Single Zone) : Heating: 1 each - Central Furnace, Gas, Capacity = 75 kBtu/h, Efficiency = 80.00% Et Cooling: 1 each - Rooftop Package Unit, Capacity = 59 kBtu/h, Efficiency = 13.00 SEER, Air-Cooled Condenser, No Economizer, Economizer exception: Filtration Requirements
1	Water Heater 1: Electric Storage Water Heater, Capacity: 30 gallons, Efficiency: 0.93 EF

Section 4: Requirements Checklist

Requirements Specific To: HVAC System RTU-1 :

- ☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)
☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 13.00 SEER

Requirements Specific To: HVAC System RTU-2 :

- ☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)
☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 13.00 SEER

Requirements Specific To: HVAC System RTU-3 :

- ☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)
☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 13.00 SEER

Requirements Specific To: HVAC System RTU-4 :

- ☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)

Project Title: Fayette County EOC
Data filename: \\FSERV\\files\\Projects\\13-046 Fayette Co EOC\\Comcheck.cck

Report date: 09/19/13
Page 1 of 6

- ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 13.00 SEER
☐ 3. Integrated economizer is required for this location and system.
Exception(s):
☐ Air/evap condenser and extensive outside-air filtration

Requirements Specific To: Water Heater 1 :

- ☐ 1. Water heating equipment meets minimum efficiency requirements: Electric Water Heater efficiency: 0.89 EF (211 SL, Btu/h (If > 12 kW))
☐ 2. First 8 ft of outlet piping is insulated
☐ 3. Hot water storage temperature controls that allow setpoint of 90°F for non-dwelling units and 110°F for dwelling units.
☐ 4. Heat traps provided on inlet and outlet of storage tanks

Generic Requirements: Must be met by all systems to which the requirement is applicable:

- ☐ 1. Plant equipment and system capacity no greater than needed to meet loads
Exception(s):
☐ Standby equipment automatically off when primary system is operating
☐ Multiple units controlled to sequence operation as a function of load
☐ 2. Minimum one temperature control device per system
☐ 3. Minimum one humidity control device per installed humidification/dehumidification system
☐ 4. Load calculations per ASHRAE/ACCA Standard 183.
☐ 5. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
Exception(s):
☐ Continuously operating zones
☐ 2 kW demand or less, submit calculations
☐ 6. Outside-air source for ventilation; system capable of reducing OSA to required minimum
☐ 7. R-5 supply and return air duct insulation in unconditioned spaces
R-8 supply and return air duct insulation outside the building
R-8 insulation between ducts and the building exterior when ducts are part of a building assembly
Exception(s):
☐ Ducts located within equipment
☐ Ducts with interior and exterior temperature difference not exceeding 15°F.
☐ 8. Mechanical fasteners and sealants used to connect ducts and air distribution equipment
☐ 9. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics
Exception(s):
☐ Continuously welded and locking-type longitudinal joints and seams on ducts operating at static pressures less than 2 inches w.g. pressure classification
☐ 10. Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in.
Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in.
Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.
Exception(s):
☐ Piping within HVAC equipment.
☐ Fluid temperatures between 55 and 105°F.
☐ Fluid not heated or cooled with renewable energy.
☐ Piping within room fan-coil (with AHR1440 rating) and unit ventilators (with AHR1840 rating).
☐ Runouts <4 ft in length.
☐ 11. Operation and maintenance manual provided to building owner
☐ 12. Thermostatic controls have 5°F deadband
Exception(s):
☐ Thermostats requiring manual changeover between heating and cooling
☐ Special occupancy or special applications where wide temperature ranges are not acceptable and are approved by the authority having jurisdiction.
☐ 13. Balancing devices provided in accordance with IMC (2006) 603.17
☐ 14. Demand control ventilation (DCV) present for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
Exception(s):
☐ Systems with heat recovery.
☐ Multiple-zone systems without DDC of individual zones communicating with a central control panel.
☐ Systems with a design outdoor airflow less than 1200 cfm.

Project Title: Fayette County EOC
Data filename: \\FSERV\\files\\Projects\\13-046 Fayette Co EOC\\Comcheck.cck

Report date: 09/19/13
Page 2 of 6

- ☐ Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.
☐ 15. Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings
Exception(s):
☐ Gravity dampers acceptable in buildings <3 stories
☐ Gravity dampers acceptable in systems with outside or exhaust air flow rates less than 300 cfm where dampers are interlocked with fan
☐ 16. Automatic controls for freeze protection systems present
☐ 17. Exhaust air heat recovery included for systems 5,000 cfm or greater with more than 70% outside air fraction or specifically exempted
Exception(s):
☐ Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code prohibits the use of energy recovery systems.
☐ Systems serving spaces that are heated and not cooled to less than 60°F.
☐ Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy.
☐ Heating systems in climates with less than 3600 HDD.
☐ Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F.
☐ Systems requiring dehumidification that employ energy recovery in series with the cooling coil.
☐ Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements:
a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

Section 5: Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2009 IECC requirements in COMcheck Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title Signature Date

Section 6: Post Construction Compliance Statement

- ☐ HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment provided to the owner.
☐ HVAC O&M documents for all mechanical equipment and system provided to the owner by the mechanical contractor.
☐ Written HVAC balancing and operations report provided to the owner.

The above post construction requirements have been completed.

Principal Mechanical Designer-Name Signature Date

Project Title: Fayette County EOC
Data filename: \\FSERV\\files\\Projects\\13-046 Fayette Co EOC\\Comcheck.cck

Report date: 09/19/13
Page 3 of 6

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404/355-1118 fax

FAYETTE
COUNTY
EOC

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Revisions

Date Job No.
2013-09-23 1207007000

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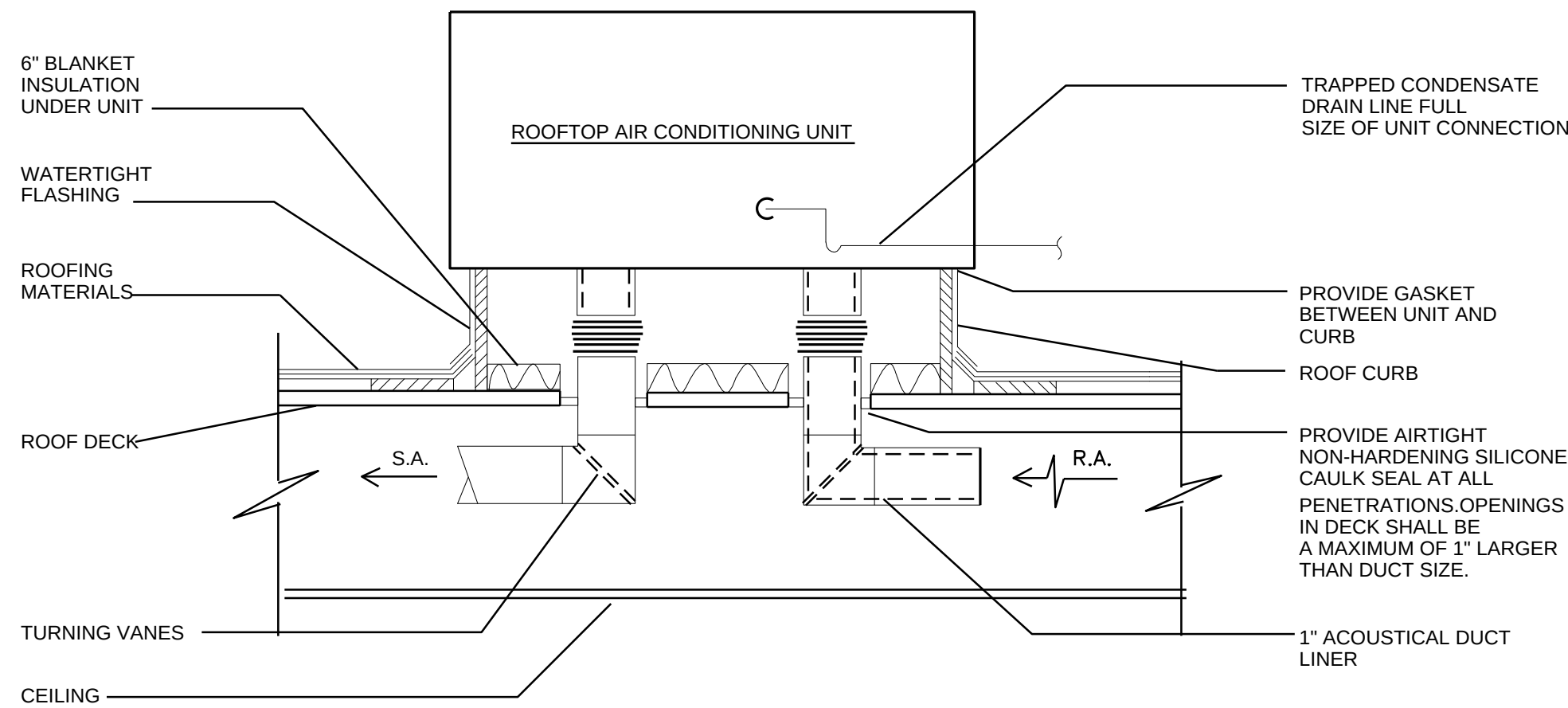
MECHANICAL – COMCHECK
REPORT

Sheet No.

M002

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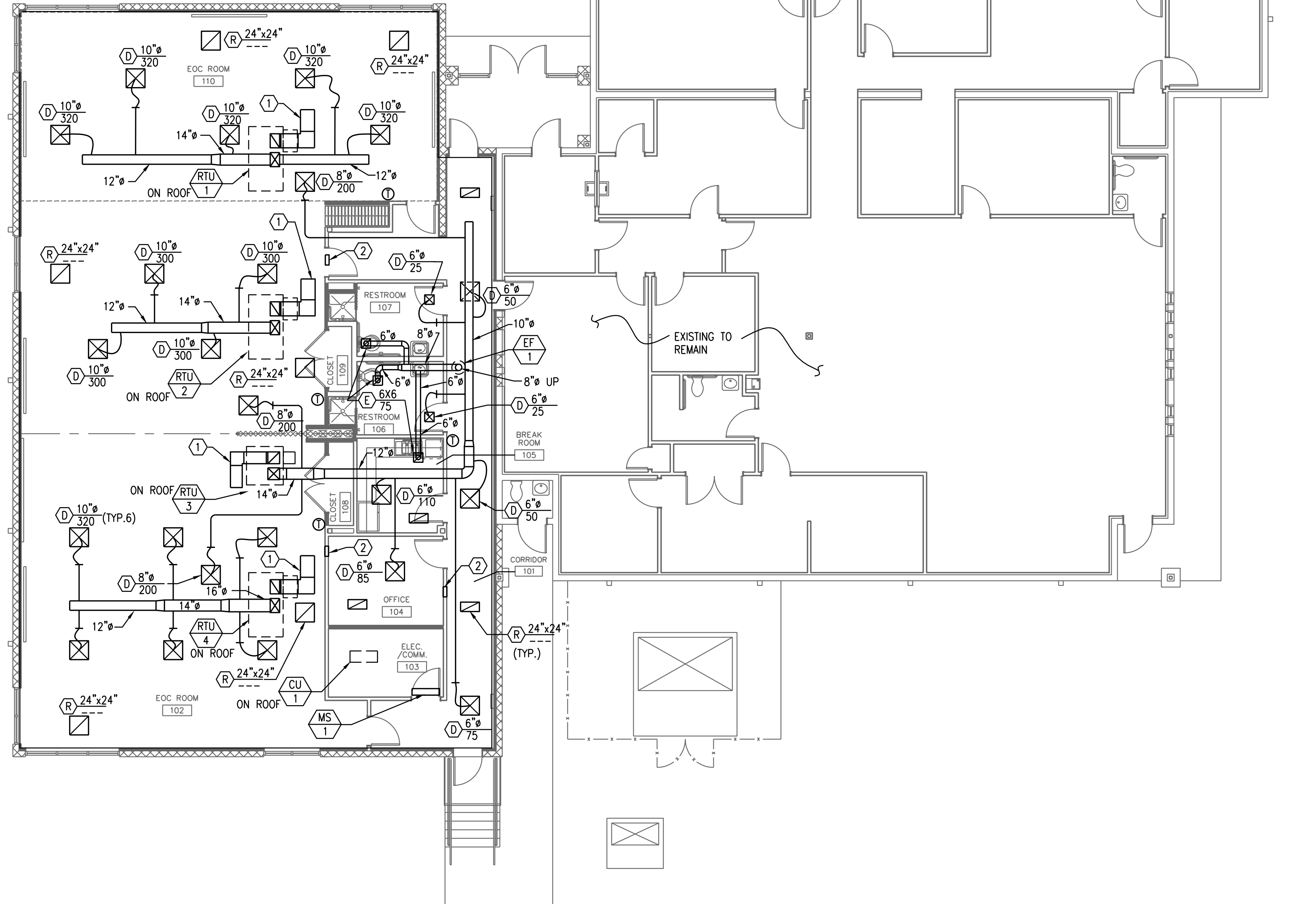
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2 DETAIL - ROOF TOP UNIT
Scale: NONE

KEY NOTES (APPLY TO THIS SHEET ONLY)

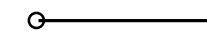
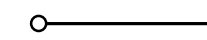
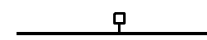
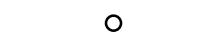
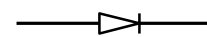
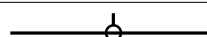
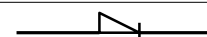
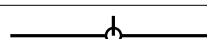
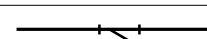
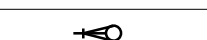
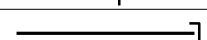
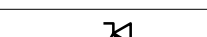
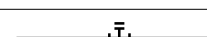
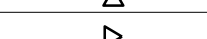
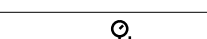
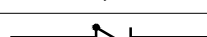
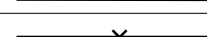
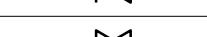
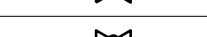
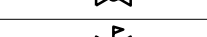
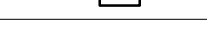
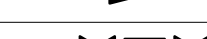
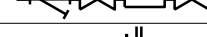
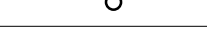
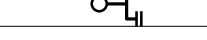
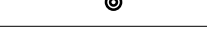
- 1 INTERNALLY LINED RETURN AIR DUCT FULL SIZE OF UNIT OPENING.
- 2 10"x10" WALL OPENING ABOVE CEILING WITH FIRE DAMPER.



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FIRE PROTECTION ABBREVIATIONS			
ABBREVIATION/DEFINITION		ABBREVIATION/DEFINITION	
A/C	ABOVE CEILING	EL	ELEVATION
AFF	ABOVE FINISHED FLOOR	F	FIRE LINE
AFG	ABOVE FINISHED GRADE	FLR	FLOOR
B/F	BELOW FLOOR	FF	FINISHED FLOOR
B/G	BELOW GRADE	IE	INVERT ELEVATION
BLDG	BUILDING	GEN	GENERAL
CI	CAST IRON	LOC	LOCATION
CL	CENTER LINE	NIC	NOT IN CONTRACT
CONT	CONTINUATION	PLBG	PLUMBING
CONTR	CONTRACTOR	SP	SPRINKLER
D	DRAIN	SP/FDV	STAND PIPE/ FIRE DEPT. VALVE
DN	DOWN	TSW	TAMPER SWITCH
DTL	DETAIL	W/	WITH
DWGS	DRAWINGS		

NOTE: THESE ARE STANDARD ABBREVIATIONS, ALL ABBREVIATIONS SHOWN ABOVE MAY NOT APPEAR ON DRAWINGS.

FIRE PROTECTION LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	RISER DOWN (ELBOW)		VALVE IN CAST IRON BOX W/ CONC. PAD
	RISER UP (ELBOW)		FLOW SWITCH
	RISE OR DROP		CONCENTRIC REDUCER
	BRANCH - BOTTOM CONNECTION		ECCENTRIC REDUCER
	BRANCH - TOP CONNECTION		STRAINER
	BRANCH - SIDE CONNECTION		UNION
	VALVE IN RISE		CAP ON END OF PIPE
	ANGLE VALVE		PLUGGED TEE
	SIDEWALL SPRINKLER		PRESSURE GAUGE WITH GAUGE COCK
	CHECK VALVE		PIPE ANCHOR
	SHUT-OFF VALVE		CONNECT TO EXISTING
	GLOBE VALVE		FLOW INDICATOR FOR PORTABLE METER
	PRESSURE REDUCING VALVE		FLOW - IN DIRECTION OF ARROW
	SOLENOID OPERATED VALVE		BACKFLOW PREVENTER W/ STRAINER
	UPRIGHT SPRINKLER		SIAMESE FIRE CONNECTION
	PENDENT SPRINKLER		STANDPIPE W/FIRE DEPT. VALVE
	CONCEALED SPRINKLER		METER

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS SHOWN MAY NOT APPEAR ON DRAWINGS.

FIRE PROTECTION SYSTEM DESCRIPTION:

SCOPE:
EXPAND THE EXISTING FIRE PROTECTION SYSTEM FOR THE NEW CONSTRUCTION SHOWN. REWORK PORTIONS OF EXISTING SYSTEM AS NEEDED TO ALLOW INSTALLATION OF NEW AREAS. CONTRACTOR SHALL VERIFY EXISTING SYSTEM ORIENTATION, EQUIPMENT & DEVICES NOT SHOWN ON FLOOR PLAN. COORDINATE LOCATIONS WITH ARCHITECT.

FIRE PROTECTION GENERAL:
PROVIDE ALL LABOR AND MATERIAL, NECESSARY EQUIPMENT AND SERVICES TO MODIFY & EXPAND THE EXISTING AUTOMATIC WET-PIPE SPRINKLER SYSTEM TO PROVIDE COMPLETE COVERAGE OF WORK AREA MATCHING THE NEW SPACE LAYOUT.

SYSTEM DESCRIPTION:
PROVIDE NEW QUICK RESPONSE SPRINKLER HEADS LOCATED AS INDICATED, MODIFY EXISTING SYSTEM AS NECESSARY. COORDINATE EXISTING SYSTEM TO REMAIN IN SERVICE WITH BUILDING MANAGEMENT.

QUALITY ASSURANCE:
DESIGN AND INSTALLATION TO CONFORM TO THE RULES & REGULATIONS OF THE SAFETY FIRE COMMISSIONER AND NFPA 13, 2002 EDITION. EQUIPMENT AND COMPONENTS TO BE UL LISTED AND FM APPROVED.

REGULATORY REQUIREMENTS:
PROVIDE HYDRAULIC CALCULATIONS, PRODUCT DATA, AND WORKING DRAWINGS; BEAR STAMP OF APPROVAL OF AUTHORITY HAVING JURISDICTION, FIRE MARSHAL, AND OWNER'S FIRE INSURANCE UNDERWRITER.

SUBMITTALS:
INDICATE HYDRAULIC CALCULATIONS, DETAILED PIPE LAYOUT, HANGER AND SUPPORTS, COMPONENTS AND ACCESSORIES.

SUBMIT SHOP DRAWINGS, PRODUCT DATA, AND HYDRAULIC CALCULATIONS TO AUTHORITY HAVING JURISDICTION, FIRE MARSHAL, AND OWNER'S INSURANCE UNDERWRITER FOR APPROVAL PRIOR TO SUBMISSION TO ARCHITECT.

PRODUCTS:
PIPING 2-1/2" & SMALLER: STANDARD WEIGHT SCHEDULE 40 BLACK STEEL PIPE WITH THREADED FITTINGS.
PIPING 3" & LARGER: SCHEDULE 10 BLACK STEEL WITH ROLLED GROOVE FITTINGS.

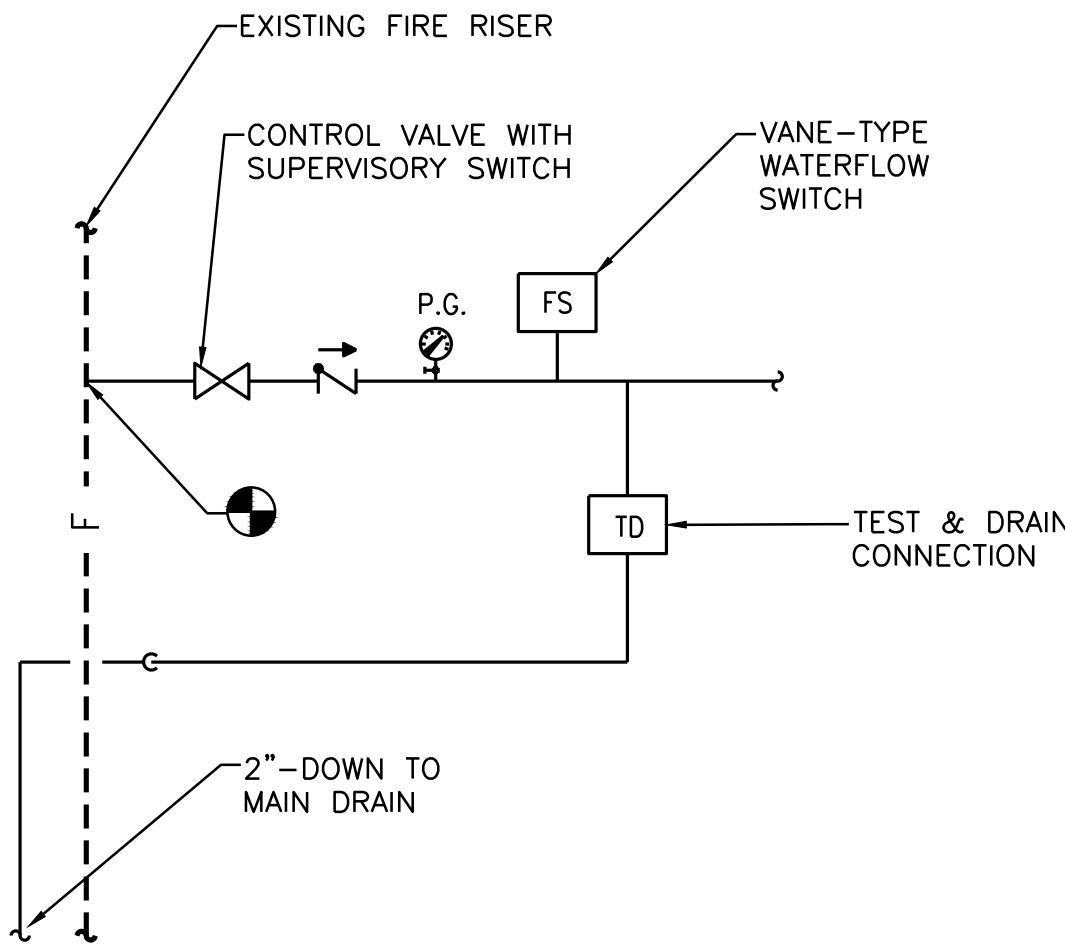
FITTINGS: CAST IRON FITTINGS, ANSI/ASME B16, FLANGES AND FITTINGS OR B16.4, SCREWED FITTINGS OR MECHANICAL COUPLINGS

SPRINKLER HEADS: AREAS WITH LAY-IN CEILINGS: SEMI-RECESSED PENDANT TYPE
SPRINKLER HEADS: AREAS WITH HARD CEILINGS: FULLY-RECESSED, CONCEALED PENDANT TYPE
SPRINKLER HEADS: UNFINISHED (NO CEILING) AREAS: BRASS UPRIGHT TYPE

EXECUTION:
COORDINATE WORK OF THIS SECTION WITH THE WORK OF ALL OTHER TRADES.

FIRE PROTECTION NOTES:

- EXPAND THE EXISTING AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE SAFETY FIRE COMMISSIONER & NFPA 13 2002 EDITION FOR LIGHT HAZARD OCCUPANCY.
- SYSTEM SHALL BE CAPABLE OF DELIVERING 0.10 GPM/SQFT. OVER THE MOST REMOTE 1500 SQ. FT.
- PROVIDE A SPRINKLER HEAD FOR EVERY 225 SQ. FT OF FLOOR AREA WITH ADEQUATE FLOW TO MEET CRITERIA LISTED ABOVE.
- INCLUDE ALL PIPE AND FITTINGS BACK TO THE CONNECTION OF THE CITY MAIN WHILE FLOWING THE ENTIRE CALCULATED FLOW PLUS 100 GPM FOR INSIDE & OUTSIDE HOUSE STREAMS WHEN PERFORMING PIPE SIZING CALCULATIONS.
- ALL HEADS ARE TO BE QUICK RESPONSE TYPE.
- PROVIDE PENDANT TYPE HEADS IN AREAS WITH CEILINGS. MOUNT SEMI-RECESSED HEADS IN THE CENTER OF THE CEILING TILES IN LAY-IN CEILINGS. PROVIDE FULLY RECESSED, CONCEALED HEADS IN HARD CEILINGS. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING DETAILS.
- PROVIDE UPRIGHT TYPE HEADS IN AREAS WITH NO CEILINGS.
- INSTALL PIPING SUCH THAT ENTIRE SYSTEM CAN BE DRAINED. SEE ARCHITECTURAL DRAWINGS FOR SLOPED CEILING AND STRUCTURE DETAILS.
- SUPPORT PIPING FROM BUILDING STRUCTURAL ELEMENTS ONLY.
- COORDINATE LOCATIONS OF PIPING WITH THE WORK OF OTHER TRADES AND WITH SPECIALTY ITEMS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- PERFORM HYDRANT FLOW TEST AS BASIS FOR SYSTEM DESIGN. PRELIMINARY TEST DATA RESULTS: HYDRANT AT VOLUNTEER WAY & McDONOUGH ROAD - STATIC PRESSURE OF 105 PSI AND RESIDUAL PRESSURE OF 55 PSI WHILE FLOWING 1240 GPM.



① **DETAIL - NEW SERVICE CONNECTION**
Scale: NONE

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2013-09-23 1207007000

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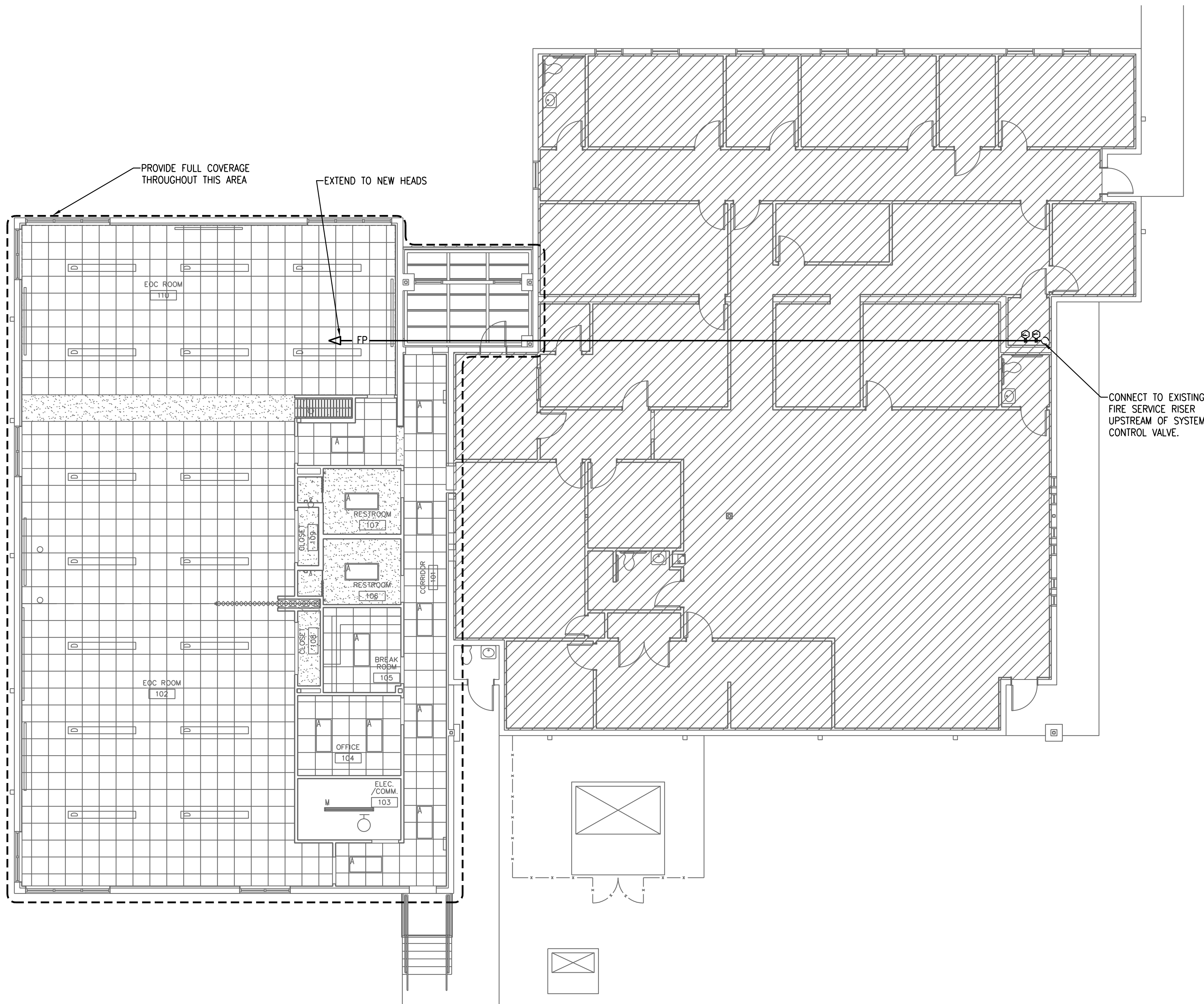
FIRE PROTECTION -
GENERAL NOTES & DETAILS

Sheet No.

FP001

FOR CONSTRUCTION

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

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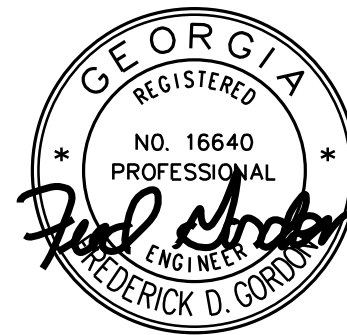
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Date

2013-09-23

Job No.

1207007000

Sheet Title

FIRE PROTECTION -
FLOOR PLAN

Sheet No.

FP101

FOR CONSTRUCTION

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PLUMBING ABBREVIATIONS			
ABBREVIATION/DEFINITION		ABBREVIATION/DEFINITION	
A/C	ABOVE CEILING	FF	FINISHED FLOOR
AD	AREA DRAIN	G	LOW PRESSURE GAS
AFF	ABOVE FINISHED FLOOR	GEN	GENERAL
AFG	ABOVE FINISHED GRADE	HB	HOSE BIBB
AV	ACID VENT	HD	HUB DRAIN (OPEN PIPE HUB)
AW	ACID WASTE	HCWH	HOT & COLD WATER HYDRANT
B/F	BELOW FLOOR	HWR	HOT WATER RETURN
B/G	BELOW GRADE	HW	HOT WATER
BLDG	BUILDING	IW	INDIRECT WASTE
CB	CATCH BASIN	IE	INVERT ELEVATION
CI	CAST IRON	LP	LIQUIFIED PETROLEUM GAS (PROPANE)
CL	CENTER LINE	MPG	MEDIUM PRESSURE GAS
CO	CLEANOUT	NIC	NOT IN CONTRACT
CONT	CONTINUATION	OXY	MEDICAL OXYGEN
CONTR	CONTRACTOR	PLBG	PLUMBING
CW	COLD WATER	PRV	PRESSURE REDUCING VALVE
D	DRAIN	PVC	POLYVINYL CHLORIDE
DN	DOWN	RD	ROOF DRAIN
DT	EMERGENCY ROOF DRAIN TERMINATION (COW'S TONGUE)	SAN	SANITARY
DWGS	DRAWINGS	SD	STORM DRAIN
DWR	CHILLED DRINKING WATER RETURN	SP	SPRINKLER
DWS	CHILLED DRINKING WATER SUPPLY	STR	STRAINER
ERD	EMERGENCY ROOF DRAIN (SECONDARY)	SV	SANITARY VENT
EWC	ELEC. WATER COOLER	SW	SAFE WASTE
FAV	FRESH AIR VENT	TP	TRAP PRIMER
FCO	FLOOR CLEANOUT	VAC	MEDICAL VACUUM
FLR	FLOOR	VTR	VENT THROUGH ROOF
FD	FLOOR DRAIN	W	WASTE
FFE	FINISHED FLOOR ELEVATION	W/	WITH
GCO	GRADE CLEANOUT	WCO	WALL CLEANOUT
SP/FDV	STAND PIPE / FIRE DEPT. VALVE	NFWH	NON-FREEZE WALL HYDRANT

NOTE: THESE ARE STANDARD ABBREVIATIONS, ALL ABBREVIATIONS SHOWN ABOVE MAY NOT APPEAR ON DRAWINGS.

PLUMBING LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---SS---	SANITARY SEWER		TRAP
---GW---	GREASE WASTE		FLOOR CLEANOUT
---SD---	STORM DRAIN		VALVE IN CAST IRON BOX W/ CONC. PAD
-----	SANITARY VENT		FLOOR CLEANOUT
-----	BELOW GRADE PIPING		FLOOR SINK W/ HALF GRATE
-----	ABOVE GRADE PIPING		FLOOR DRAIN W/ FULL GRATE
-----	DOMESTIC COLD WATER SUPPLY		FLOOR DRAIN
-----	DOMESTIC HOT WATER SUPPLY (110°F)		HUB DRAIN OR OPEN SITE DRAIN
-----	DOMESTIC HOT WATER RETURN (110°F)		HOSE BIBB
-----	DOMESTIC HOT WATER SUPPLY (140°F)		WALL HYDRANT (NFWH & HCWH)
-----	DOMESTIC HOT WATER RETURN (140°F)		FLOW SWITCH
-----	DOMESTIC HOT WATER SUPPLY (180°F)		CONCENTRIC REDUCER
-----	DOMESTIC HOT WATER RETURN (180°F)		ECCENTRIC REDUCER
	NATURAL OR LP GAS		STRAINER
	MEDICAL VACUUM		UNION
	MEDICAL OXYGEN		CAP ON END OF PIPE
	RISER DOWN (ELBOW)		BREAK
	RISER UP (ELBOW)		PLUGGED TEE
	RISE OR DROP		THERMOMETER
	BRANCH - BOTTOM CONNECTION		PRESSURE GAUGE WITH GAUGE COCK
	BRANCH - TOP CONNECTION		FLEXIBLE CONNECTION
	BRANCH - SIDE CONNECTION		PIPE ANCHOR
	VALVE IN RISE		CONNECT TO EXISTING
	ANGLE VALVE		FLOW INDICATOR FOR PORTABLE METER
	BALANCING VALVE		FLOW - IN DIRECTION OF ARROW
	STOP VALVE		THERMOSTATIC MIXING VALVE
	CHECK VALVE		BACKFLOW PREVENTER W/ STRAINER
	SHUT-OFF VALVE		GAS SHUT-OFF VALVE
	GLOBE VALVE		GAS REGULATOR
	MOTOR OPERATED VALVE		FLUSH GRADE CLEANOUT W/CONC. PAD
	PRESSURE REDUCING VALVE		ROOF DRAIN
	SOLENOID OPERATED VALVE		SIAMESE FIRE CONNECTION
	UPRIGHT SPRINKLER		STANDPIPE W/FIRE DEPT. VALVE
	PENDENT SPRINKLER		METER
	CONCEALED SPRINKLER		TEMPERATURE & PRESSURE RELIEF VALVE
	EQUIPMENT DESIGNATION		PLUMBING RISER DESIGNATION
-----	EXISTING PIPING TO REMAIN		REMOVE EXISTING PIPING

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS SHOWN MAY NOT APPEAR ON DRAWINGS.

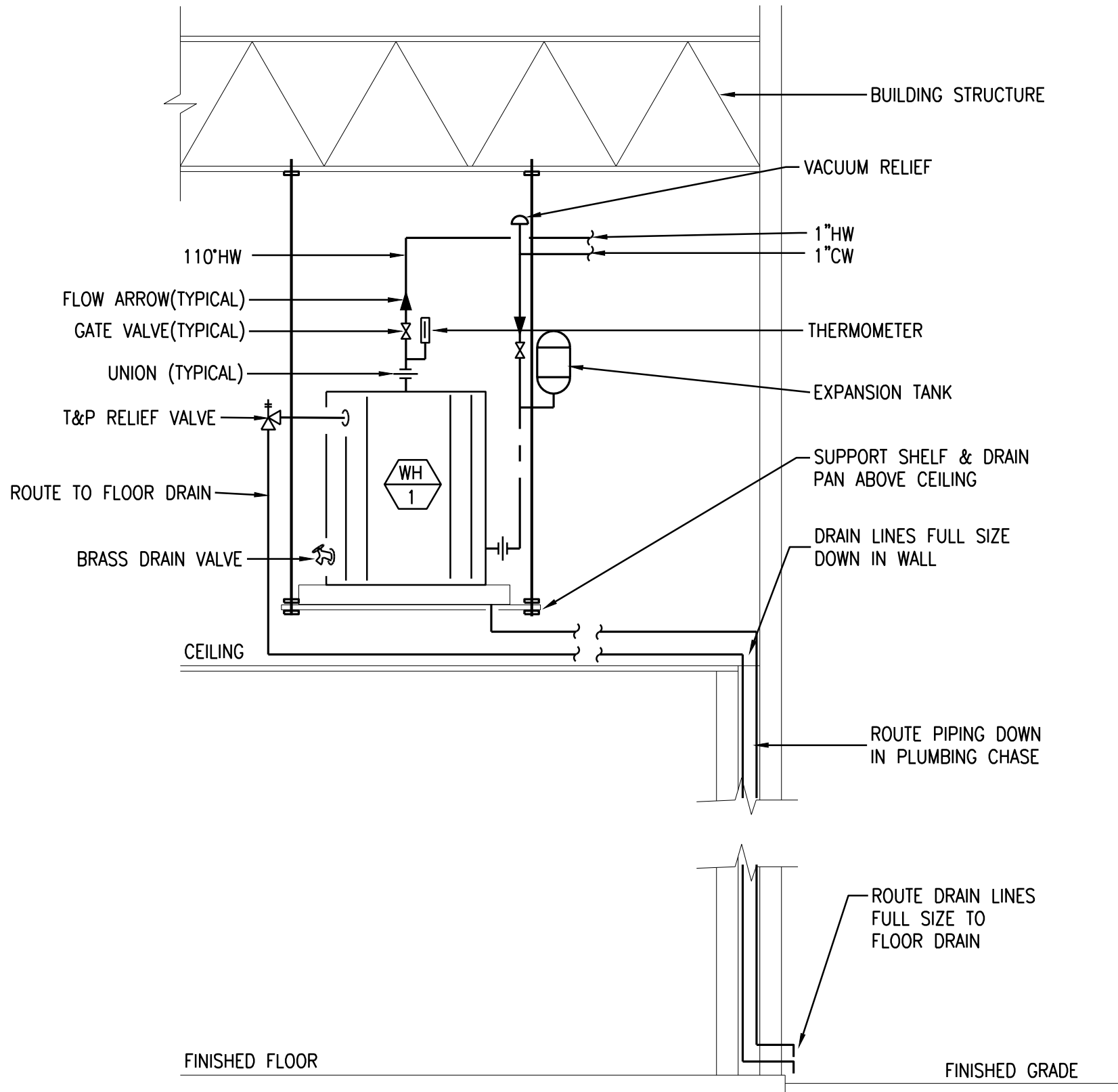
PLUMBING GENERAL NOTES:

- COORDINATE WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC, PROVIDE OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC..
- COORDINATE FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- RUN VENT PIPING CONCEALED ABOVE CEILINGS OR IN WALL SPACES UNLESS NOTED OTHERWISE ON DRAWINGS.
- PIPING SHALL BE SLOPED AS PER SPECIFICATIONS UNLESS NOTED OTHERWISE ON DRAWINGS.
- CONTRACTOR SHALL EXTEND WATER, AND SANITARY SEWER PIPING TO EXISTING UTILITIES INSIDE BUILDING. REFER TO EXISTING CONDITIONS FOR CONTINUATION & LOCATION OF UTILITIES.
- COORDINATE UNDERGROUND PIPING WITH GRADE BEAMS AND WALL FOOTINGS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES. EXACT LOCATION OF FIXTURES MUST BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY ARCHITECT.
- DO NOT RUN PLUMBING PIPING THROUGH ELECTRICAL ROOMS OR DIRECTLY ABOVE ELECTRICAL PANELS.
- PLUMBING VENTS EXTENDING THROUGH ROOF SHALL TERMINATE AT 1'-0" ABOVE ROOF AND AT A MINIMUM DISTANCE OF 12'-0" HORIZONTALLY FROM ANY AIR INTAKE OR OPERABLE WINDOW.
- WORK SHALL COMPLY WITH THE GEORGIA STATE ACCESSIBILITY REQUIREMENTS.

WATER HEATER SCHEDULE - ELECTRIC					
MARK	BASIS OF DESIGN	STORAGE CAPACITY (GALS.)	INPUT (KW)	GPH RECOVERY @60° RISE	ACCESSORIES
WH-1	RHEEM EGSP30	30	6	41	1-4
ACCESSORIES: 1. TEMPERATURE & PRESSURE RELIEF VALVE. PIPE TO FLOOR DRAIN. 2. DIELECTRIC FITTINGS ON INLET & OUTLET. 3. GATE VALVES WITH UNIONS ON WATER INLET & OUTLET. 4. PROVIDE EXPANSION TANK AND THERMAL EXPANSION RELIEF VALVE.					

PLUMBING FIXTURE CONNECTION SCHEDULE								
ITEM	FIXTURE	CW	HW	WATER USAGE	WASTE	MOUNTING HEIGHT	BASIS OF DESIGN	
							TRIM / FAUCET	FIXTURE
P-1	WATER CLOSET - FM, TANK, H/C	1/2"	—	1.28 GPF	3"	RIM AT 16.5"	—	AMERICAN STANDARD: 2467.100
P-2	LAVATORIES - WH, H/C	1/2"	1/2"	0.5 GPM	1-1/4"	RIM AT 34"	DELTA: 500	AMERICAN STANDARD: 0356.015
P-3	SINK - DOUBLE COMP., H/C	1/2"	1/2"	0.5 GPM	1-1/2"	SEE ARCH.	DELTA: 27T2123	JUST: DL-ADA-2233
P-4	SHOWER-H/C	1/2"	1/2"		2"	RIM AT 8"	DELTA: 11T5123	AQUA BATH: 3634
P-5	ICE MAKER UTILITY BOX	1/2"	—	N/A	—	SEE ARCH.	—	GUY GRAY: BIM875

- WATER CLOSETS: CONTROLS FOR FLUSH VALVES (TANK OR FV) SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44 INCHES ABOVE THE FLOOR. COORDINATE VALVE HEIGHT WITH GRAB BAR HEIGHT.
- PROVIDE HOT WATER SUPPLY AND WASTE PIPING TO THE DISHWASHER FROM P-3.



① WATER HEATER DETAIL
Scale: NOT TO SCALE

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Sheet Title

PLUMBING – GENERAL
NOTES & SCHEDULES

Sheet No.

P001

FOR CONSTRUCTION

FOR CONSTRUCTION

① PLUMBING - WATER & GAS PLAN
Scale: 1/8" = 1'-0"

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ELECTRICAL SYMBOL LEGEND

4#10,
#10G-1" C EXAMPLE OF WIRING & CONDUIT NOTATION

L1C-2,4,6 HOMERUN TO PANEL INDICATED. ARROWS INDICATE NUMBER OF CIRCUITS. TICK MARKS INDICATE NUMBER OF #12 AWG CONDUCTORS. NO TICK MARKS INDICATES 2#12,#12(G)-1/2"C. GROUND CONDUCTORS NOT SHOWN, BUT ARE REQUIRED IN ALL BRANCH CIRCUITS. TEXT INDICATES PANEL ID AND NUMBER OF CIRCUIT IN PANEL.

1" EC RUN CONCEALED BELOW FLOOR, IN WALL OR ABOVE CEILING TO TELECOM BACKBOARD IN ROOM 103.

CONDUIT RUN EXPOSED ON WALL OR CEILING

CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING

CONDUIT RUN UNDERGROUND OR CONCEALED BELOW FLOOR

2 Duplex RECEPTACLE, SPECIFICATION GRADE, 20A, 120V, 18" AFF. "2" INDICATES CIRCUIT NUMBER. IVORY. "C" INDICATES MOUNT ABOVE COUNTER, "GF" IS GFCI.

FLUSH MOUNTED, QUADRUPLX RECEPTACLE, 120V, 20A, NEMA 5-20R.

JUNCTION BOX

SUB-SYSTEM GROUND BUS. REFER TO DETAILS 4/E-701 AND 5/E-701.

FLUSH MOUNTED 6-GANG BOX FLOOR MOUNTED (WIREFOLD EVOLUTION SERIES OR APPROVED EQUAL) WITH FOUR DUPLEX RECEPTACLES AND TWO DATA OUTLETS. FURNISH WITH HARDWARE COMPATIBLE WITH FLUSH MOUNTING IN RAISED FLOOR OR IN CONCRETE SLAB AS LOCATION REQUIRES. RECEPTACLES SHALL BE CONNECTED TO UPS CIRCUIT(S). PROVIDE 1" EC FOR DATA FROM 6-GANG BOX TO BACKBOARD IN ROOM 103.

COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH. FUSED IF INDICATED. OVERLOADS SIZED PER MOTOR NAMEPLATE DATA. PROVIDE WITH "HAND-OFF-AUTOMATIC" SELECTOR SWITCH MOUNTED ON DOOR. NEMA STARTER SIZE AS INDICATED (1).

NON-FUSED DISCONNECT SWITCH (RATING/POLES/ENCLOSURE AS INDICATED)

TELECOMMUNICATIONS BACKBOARD

PULL BOX

CEILING MOUNTED OCCUPANCY SENSOR. LEVITON OSC20-MOW, CEILING MTD, VACANCY TYPE.

ELECTRICAL SYMBOL LEGEND

LEVITON POWER PACK OSP20-DO FOR OCCUPANCY SENSORS.

6" X 8' FLUORESCENT FIXTURE

6" X 4' FLUORESCENT FIXTURE

2' X 4' FLUORESCENT FIXTURE

DOWN LIGHT

HID WALL PACK

POLE MOUNTED LIGHT STANDARD WITH SINGLE HEAD

POLE MOUNTED LIGHT STANDARD WITH TWIN HEAD

EXIT SIGN.

SINGLE POLE LIGHT SWITCH, FLUSH MOUNTED 48" AFF, 120/277V, 20AMP; UNO. ON STRIKER SIDE OF DOOR OR WHERE OTHERWISE INDICATED ON PLANS. * IF SUBSCRIPT APPLIES, SEE BELOW:
"3"- SAME AS ABOVE SINGLE POLE LIGHT SWITCH BUT THREE WAY.
"M"- MANUAL MOTOR STARTER SWITCH, FLUSH MOUNTED OR SURFACE MOUNTED IN "FS" BOX DEPENDING UPON LOCATION (PROVIDE WITH OVERLOADS).
"D" - 120/277V, 20A, 0-10V SLIDE DIMMER (LEVITON IP710-DLZ OR APPROVED EQUAL)
"a" - LOWER CASE LETTER INDICATES SWITCHLEG ARRANGEMENT OR ZONE TO BE CONTROLLED BY LIGHTING CONTROL EQUIPMENT.
"OC"- INDICATES OCCUPANCY SENSOR TYPE. LEVITON OSSMT-MD

CEILING MOUNTED FIRE ALARM SMOKE DETECTOR

FIRE ALARM SMOKE DETECTOR MOUNTED BELOW RAISED FLOOR

FIRE ALARM VISIBLE SIGNAL DEVICE (75cd, UNO). WALL MOUNTED - 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER.

FIRE ALARM MANUAL PULL STATION.

FIRE ALARM AUDIBLE SPEAKER AND VISIBLE SIGNAL DEVICE (75cd, UNO). WALL MOUNTED - 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER.

FIRE ALARM FLOW SWITCH

FIRE ALARM TAMPER SWITCH

ELECTRICAL SYMBOL LEGEND

CARD READER / ACCESS CONTROL.

TELECOMMUNICATIONS OUTLET, MOUNT 18" AFF, UNO. SEE GENERAL NOTE G18.

AUDIO/VISUAL OUTLET, MOUNT 18" AFF, UNO. SEE GENERAL NOTE G18.

BLUNT TIP AIR TERMINAL(ALUMINUM): AIR TERMINAL AND ALL ASSOCIATED COMPONENTS IN THE LIGHTNING PROTECTION SYSTEM SHALL BE CLASS I MATERIALS.

GROUND ROD

GROUND ROD - EXISTING

ELECTRICAL CONNECTION CONDUCTOR TO CONDUCTOR OR CONDUCTOR TO METAL OBJECT.

ELECTRICAL CONNECTION OF MAIN ALUMINUM CONDUCTOR TO COPPER DOWN CONDUCTOR WITH BIMETAL BONDING CLAMP AND PENETRATION OR PATH TO THE NEXT LOWER LEVEL.

MAIN CONDUCTOR (ALUMINUM)

MAIN CONDUCTOR - EXISTING

SECONDARY CONDUCTOR (ALUMINUM)

NEW GROUND LOOP CONDUCTOR

EXISTING DEVICE AND EQUIPMENT TO REMOVED. REFER TO GENERAL DEMOLITION NOTES.

GENERAL NOTES:

- G1. ALL ELECTRICAL EQUIPMENT AND FEEDERS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES WITH THE 2011 EDITION OF NFPA 70 NATIONAL ELECTRICAL CODE WITH GA AMENDMENTS AND THE 2009 EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE WITH GEORGIA AMENDMENTS.
- G2. PROVIDE ADDITIONAL SUPPORT FOR SWITCHES, STARTERS, FIXTURES, RACEWAYS AND OTHER ELECTRICAL EQUIPMENT WHERE EVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.
- G3. FIRE STOP, DRAFT STOP AND/OR PROTECT THE ANNULAR SPACE AROUND ALL PIPE, TUBE, CONDUIT, WIRE, CABLE, VENT AND DUCT PENETRATION THROUGH WALLS, PARTITIONS, FLOORS, CEILINGS AND ROOFS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND UL LISTING REQUIREMENTS.
- G4. VERIFY CEILING SUSPENSION SYSTEMS IN THE VARIOUS AREAS AND PROVIDE THE PROPER MOUNTING ACCESSORIES, TRIMS, ETC., TO SUIT THE PARTICULAR AREA.
- G5. SYMBOLS IN THE LEGENDS ARE APPLICABLE GENERALLY, FOR EXACT REQUIREMENTS REFER TO THE SCHEDULES, LAYOUTS, DETAILS AND TO THE SPECIFICATIONS SINCE THE APPEARANCE OF A PARTICULAR SYMBOL IN THE LEGEND DOES NOT NECESSARILY IMPLY THAT THE ITEM IS INCLUDED IN THE CONTRACT.
- G6. PROVIDE INDEPENDENT NEUTRALS FOR ALL RECEPTACLE CIRCUITS.
- G7. PHASE IDENTIFICATION FOR INCOMING FEEDERS TO PANELBOARDS AND TRANSFORMERS SHALL BE ACCOMPLISHED BY COLOR CODE TAPING AS FOLLOWS:
FEEDERS RATED (208V)...PHASE "A" = BLACK; PHASE "B" = RED; PHASE "C" = BLUE; NEUTRAL = WHITE
- G8. ALL POWER CIRCUITS SHALL CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR (GREEN COLOR INSULATION) ROUTED IN CONDUIT AND SIZED AS INDICATED ON DRAWINGS (MINIMUM SIZE - #12AWG).
- G9. EXCEPT WHERE NOTED OTHERWISE, LIMIT LIGHTING AND RECEPTACLE BRANCH CIRCUIT HOMERUNS TO 7 CONDUCTORS, 3 PHASE WIRES, 3 NEUTRALS, AND 1 GROUND.
- G10. DO NOT INSTALL MATERIALS OTHER THAN SPECIFIED EXCEPT FOR ALTERNATES ACCEPTED BY OWNER.
- G11. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
- G12. ROUTE CONDUITS CONCEALED IN FINISHED SPACES.
- G13. PROVIDE EXPANSION JOINT FITTINGS FOR ALL RACEWAYS CROSSING EXPANSION JOINTS.
- G14. THE USE OF TYPE AC CABLES IS NOT PERMITTED. THE USE OF TYPE MC CABLES IS PERMISSIBLE WHERE CIRCUITS ARE EXTENDED INTO EXISTING WALLS IN A CONCEALED FASHION.
- G15. PROVIDE LABELS ON ALL DEVICES IDENTIFYING RESPECTIVE BRANCH CIRCUIT NUMBER AND PANELBOARD, SIMILAR TO BROTHER P-TOUCH.
- G16. IN ALL EMPTY CONDUITS, PROVIDE PULL STRING.
- G17. CONNECT FIRE ALARM DEVICES TO EXISTING FIRE ALARM BASE BUILDING RISER AS DIRECTED BY MANUFACTURER (EST). CONTRACTOR TO PROVIDE CERTIFIED LETTER FROM MANUFACTURER THAT WORK HAS BEEN PERFORMED IN ACCORDANCE WITH NFPA 72, 101 AND BUILDING STANDARDS. SYNCHRONIZE ALL STROBES.
- G18. FOR TELECOMMUNICATIONS OUTLETS, EXTEND 1" EMPTY CONDUIT TO ABOVE ACCESSIBLE CEILING. FOR A/V OUTLETS, EXTEND 3/4" EC TO ABOVE ACCESSIBLE CEILING. USE OF THE WALL CAVITY AS A PHYSICAL PATHWAY IS ACCEPTABLE IF FREE OF INSULATION AND/OR OBSTRUCTIONS. PROVIDE PULL STRING REGARDLESS.

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR	PRJ	PROJECTOR
AGL	ABOVE GRADE LEVEL	PB	PULL BOX
A/V	AUDIO/VISUAL	R	EXISTING TO REMAIN
C	CONDUIT	ST	SHUNT TRIP
EC	EMPTY CONDUIT	UNO	UNLESS NOTED OTHERWISE
FWE	FURNISHED WITH EQUIPMENT	WP	WEATHERPROOF
KW	KILOWATTS		

LIGHTING FIXTURE SCHEDULE

FIXTURE		LAMPS		VA	MTG.	VOLTAGE	MANUFACTURERS & CATALOG NOS.	REMARKS
TYPE	DESCRIPTION	NO.	WATTS/LAMP/CRI/ COLOR TEMP.					
A2	2' X 4' ACRYLIC LENS FLUORESCENT TROFFER	2	F32W/T8/82/ 3500K	60	RECESSED	120	DAY BRITE 2 DP G 2 32 FS 12 120 METALUX 2GC-232A125-UNV-HB81-U	
A3	2' X 4' ACRYLIC LENS FLUORESCENT TROFFER	3	F32W/T8/82/ 3500K	89	RECESSED	120	DAY BRITE 2 DP G 3 32 FS 12 120 METALUX 2GC-232A125-UNV-EB81-U	
A3F	2' X 4' ACRYLIC LENS FLUORESCENT TROFFER	3	F32W/T8/82/ 3500K	89	RECESSED	120	DAY BRITE 2 DP F 3 32 FS 12 120 METALUX 2GC-232A125-UNV-EB81-U/DF- 24-W	PROVIDE FLANGE KIT FOR MOUNTING IN GYPSUM BOARD CEILING
B	VAPORTIGHT PENDANT MOUNTED	1	42W/CFL/3500K	50	PENDANT	120	TEDDICO VPKG-F42 LUMARK PLVS-C-GG-42-120	MOUNT 11'-0" AFF
C	CFL RECESSED SHOWER LIGHT	1	32W/CFL/3500K	40	SURFACE	120	OMEGA OM61H32PLTSRD120/277 - R61H32PLTSRDSHWR PORTFOLIO CD6S142E-6CLS1421L1I	
D	LINEAR PENDANT	6	F32W/T8/82/ 3500K	178	CABLE	120	FINELITE S12-P-8-3T8-SC-EP- 120-AC-FE-C3-0.88 CORELITE IP-WP-3T8-1D-120-AC48-TS-8-ES	MOUNT 10'-0" AFF PROVIDE 3 LAMP DIMMABLE BALLAST COMPATIBLE WITH DIMMER SWITCH
F	STRIP FIXTURE WITH SYMETRICAL REFLECTOR	2	F32W/T8/82/ 3500K	60	PENDANT	120	DAY BRITE T232-120-TSR4 METALUX SSF-232-UNV-EB81-U-SSF-AYC- CHAIN/SET-SYM-4	MOUNT 10'-0" AFF
G	8" CFL WALL WASH DOWNLIGHT	1	32W/CFL/3500K	40	SURFACE	120	OMEGA S81H32PLTDX1U-T81HPLTWCS HALO PD8H142-1DMARKXREM-82HWWC	DIMMING TYPE
H	METAL HALIDE WALL PACK	1	70W MH	90	SURFACE	120	DAY BRITE WLI 070 M 120 LUMARK LP70G-120/277-BZ	MOUNT 10'-0" AGL
K	METAL HALIDE WALL PACK	1	100W MH	130	SURFACE	120	DAY BRITE WLI 100 M 120 LUMARK LP10G-120/277-BZ	MOUNT 12'-2" AFF
M	FLUORESCENT STRIP FIXTURE	1	F32W/T8/82/ 3500K	30	SURFACE	120	DAY BRITE T132-120 METALUX SSF-132-UNV-EB81-U	
XA	WALL MOUNTED, SINGLE FACE, THERMOPLASTIC L.E.D. EXIT SIGN WITH WHITE FACE AND RED LETTERS	L.E.D.s W/FIXT	L.E.D.s	5	SURFACE	120	LITHONIA LQM S W 3 R 120/277 SURE-LITES APX6R	CONNECT TO UNSWITCHED CIRCUIT.
XB	CEILING MOUNTED, SINGLE FACE, THERMOPLASTIC L.E.D. EXIT SIGN WITH WHITE FACE AND RED LETTERS	L.E.D.s W/FIXT	L.E.D.s	5	SURFACE	120	LITHONIA LQM S W 3 R 120/277 SURE-LITES APX6R	CONNECT TO UNSWITCHED CIRCUIT.
XC	CEILING MOUNTED, DOUBLE FACE, THERMOPLASTIC L.E.D. EXIT SIGN WITH WHITE FACE AND RED LETTERS	L.E.D.s W/FIXT	L.E.D.s	5	SURFACE	120	LITHONIA LQM S W 3 R 120/277 SURE-LITES APX6R	PROVIDE DIRECTION CHEVRONS AS INDICATED ON SHEET E-401. CONNECT TO UNSWITCHED CIRCUIT.

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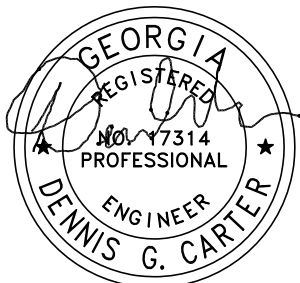
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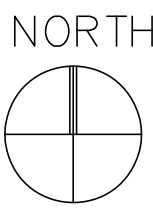
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ELECTRICAL LEGEND,
GENERAL NOTES AND
ABBREVIATIONS

Sheet No.

E-001

FOR CONSTRUCTION



ELECTRICAL SITE PLAN 5

1
E-101 SCALE: 1/16" = 1'-0"

6 EXTEND 1-1/2" EMPTY CONDUIT WITH PULL STRING TO GRASSED AREA FOR SECURITY CAMERAS.

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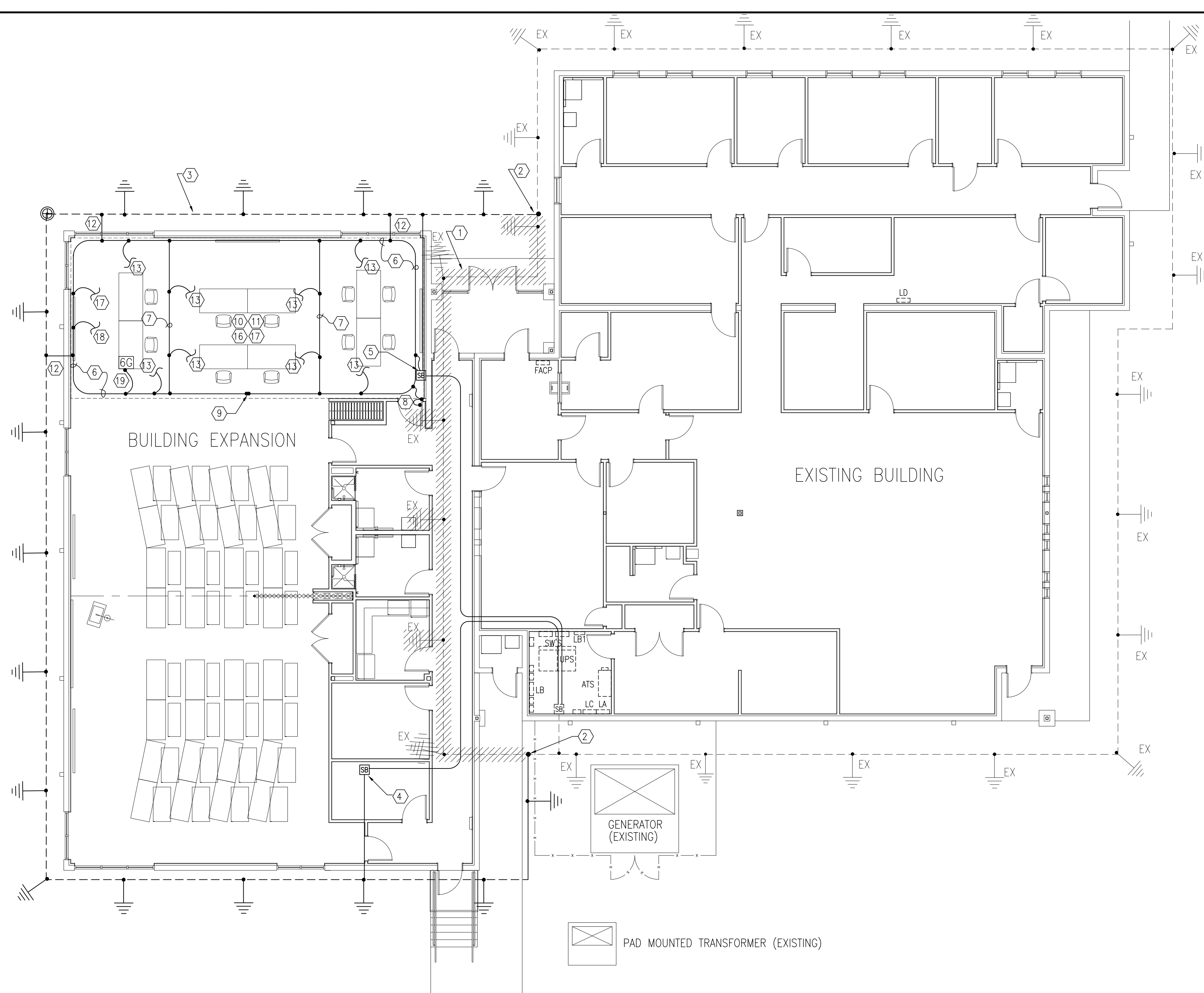
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Sheet Title
ELECTRICAL -
SITE PLAN

Sheet No.

E-101

FOR CONSTRUCTION



1 FLOOR PLAN - ELECTRICAL DEMOLITION + NEW GROUND LOOP
E-201 SCALE: 1/8"=1'-0" 20 21

GENERAL DEMOLITION NOTES:

D1. PRIOR TO DEMOLITION, CONTRACTOR SHALL PROPERLY DISCONNECT ALL ELECTRICAL EQUIPMENT FROM ITS RESPECTIVE POWER SOURCE. AT NO TIME SHALL ELECTRICAL EQUIPMENT REMAIN ENERGIZED IN AN UNPROTECTED FASHION. COORDINATE ALL POWER INTERRUPTIONS WITH OWNER AND RECEIVE OWNER PERMISSION PRIOR TO ANY INTERRUPTION.

D2. THIS IS A RENOVATION WITHIN AN EXISTING BUILDING. WHEN WORK IS FINISHED, THE ELECTRICAL INSTALLATION SHALL BE COMPLETELY INTEGRATED WITH EXISTING ELECTRICAL SYSTEMS. EXISTING ELECTRICAL WORK REQUIRED TO REMAIN IN USE DURING AND AFTER THE COMPLETION OF THE WORK SHALL BE EXTENDED, REROUTED, REPLACED, RECONNECTED OR OTHERWISE TO FIT INTO THE BUILD-OUT AREA AND LEFT IN SAFE WORKING ORDER.

D3. IF THE CONTINUITY OF FIRE ALARM, LIGHTING, POWER OR DATA/COMMUNICATION CIRCUITS OR EQUIPMENT OR AREAS OUTSIDE THE SCOPE OF THE DEMOLITION WORK IS INTERRUPTED BY THIS WORK, THE CONTRACTOR SHALL INSTALL REQUIRED WIRING TO INSURE THE CONTINUITY OF CIRCUITS TO EXISTING AREAS OUTSIDE THE DEMOLITION AREAS.

D4. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO SUBMISSION OF BID.

D5. EXISTING ELECTRICAL ITEMS THAT ARE BEING REMOVED AND NOT REUSED IN THIS NEW CONSTRUCTION SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED. REMOVAL AND DISPOSAL OF THE EXISTING ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR.

D6. CONTRACTOR IS RESPONSIBLE FOR CORING, CUTTING, PATCHING, REPAIRING, REMOVAL, REPLACEMENT, DISCONNECTING, RELOCATING, RECONNECTING OR REFINISHING OF EXISTING CONSTRUCTION, MATERIAL OR EQUIPMENT AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW WORK OR REMOVAL OF ANY EXISTING ITEMS. PATCHING, REPAIRING, REPLACEMENT AND REFINISHING SHALL MATCH EXISTING CONSTRUCTION.

D7. PROVIDE NEW TYPED UPDATED PANELBOARD SCHEDULE TO REPLACE EXISTING PANELBOARD SCHEDULE WHENEVER ANY CIRCUIT BECOMES SPARE AS A RESULT OF DEMOLITION OR ANY CHANGE OCCURS AS A RESULT OF ANY NEW CONSTRUCTION.

D8. REMOVE CONDUCTORS THAT ARE NO LONGER CONNECTED TO ACTIVE CIRCUITS IN THEIR ENTIRETY FROM POINT OF ORIGINATION TO POINT OF TERMINATION.

D9. RENOVATION WORK AS SHOWN ON DRAWINGS AND INCLUDED IN THESE NOTES INDICATE ITEMS IN A GENERAL MANNER. TYPICAL ITEMS INVOLVED IN THE RENOVATION ARE SHOWN BUT THE DRAWINGS ARE NOT INTENDED TO BE ALL INCLUSIVE. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO SUBMISSION OF BID.

KEY NOTES (APPLY TO THIS SHEET ONLY)

- (5) REMOVE PORTION OF EXISTING GROUND LOOP TO ACCOMMODATE CONSTRUCTION OF BUILDING ADDITION.
- (2) MAKE EXOTHERMIC TYPE CONNECTION TO EXISTING GROUND LOOP.
- (5) PROVIDE #2/0 AWG STRANDED TINNED COPPER GROUND LOOP BURIED 18" BELOW GRADE. INSTALL GROUND LOOP A MINIMUM OF 2'-0" AWAY FROM FOUNDATION.
- (4) PROVIDE #2 AWG, 3/4" CONDUIT FROM SSGB TO EXISTING GROUND BAR IN EXISTING MAIN ELECTRICAL ROOM AND FROM SSGB TO NEW EXTERIOR GROUND LOOP AND EXOTHERMICALLY WELD CONNECTIONS. GROUND RISER FROM SSGB SHALL EXIT BUILDING 6" ABOVE GRADE AND PVC SLEEVE SHALL EXTEND INTO THE GROUND. REFER TO DETAILS 4/E-701, 5/E-701 AND 7/E-701.
- (5) PROVIDE SSGB MOUNTED UNDER RAISED FLOOR ON PEDESTAL AT 5" ABOVE SLAB. PROVIDE #2 AWG, STRANDED TINNED COPPER CONDUCTOR, 3/4" CONDUIT FROM SSGB EXISTING GROUND BAR IN EXISTING ELECTRICAL ROOM AND FROM SSGB TO NEW EXTERIOR GROUND LOOP AND EXOTHERMICALLY WELD CONNECTIONS. GROUND RISER FROM SSGB SHALL EXIT BUILDING 6" ABOVE GRADE AND PVC SLEEVE SHALL EXTEND INTO THE GROUND. REFER TO DETAILS 4/E-701, 5/E-701 AND 7/E-701.
- (6) PROVIDE #2 AWG STRANDED COPPER FOR INTERIOR GROUND RING MOUNTED TO WALL AT 5" ABOVE SLAB UNDER RAISED FLOOR ON 2" STAND OFFS ON 2'-0" CENTERS MAXIMUM. REFER TO DETAIL 2/E-701.
- (7) PROVIDE #2 AWG STRANDED COPPER FOR INTERIOR GROUND RING MOUNTED AT 5" ABOVE SLAB UNDER RAISED FLOOR ON PEDESTALS. ROUTE BELOW CONSOLE EQUIPMENT AS SHOWN. REFER TO DETAIL 3/E-701.
- (8) BOND DOOR AND DOOR FRAME TO INTERIOR GROUND RING USING #2 AWG GREEN INSULATED STRANDED COPPER WIRE AND TWO HOLE CONNECTOR. USE PARALLEL TYPE CRIMP TYPE CONNECTOR AT GROUND RING. REFER TO DETAIL 9/E-701.
- (9) GROUND RING SPLICE. REFER TO DETAIL 9/E-701.
- (10) BOND METAL TRAY UNDER RAISED FLOOR TO INTERIOR GROUND RING USING TWO HOLE CONNECTOR AND #2 AWG STRANDED COPPER WIRE. USE PARALLEL CRIMP CONNECTOR AT GROUND RING. BOND AT ENDS WHERE THEY MEET THE WALL. PROVIDE #6 SOLID COPPER WIRE ACROSS ALL SEPARATE SECTIONS OF CABLE TRAY.
- (11) BOND ALL SIGNIFICANT METAL OBJECTS TO WITHIN 6' TO INTERIOR GROUND RING.
- (12) PROVIDE #2 AWG STRANDED, TINNED, COPPER GROUND RISER CONDUCTOR FROM INTERIOR GROUND RING TO BURIED GROUND RING. PROVIDE CRIMP TYPE CONNECTOR AT INTERIOR GROUND. PROVIDE 3/4" SLEEVE THROUGH WALL AT A 45° ANGLE. ROUTE CONDUCTOR DOWN TO BURIED GROUND RING AND EXOTHERMICALLY WELD CONNECTION. PVC SHALL EXIT BUILDING 6" ABOVE GRADE AND EXTEND INTO THE GROUND.
- (13) PROVIDE #6 AWG STRANDED COPPER PITGAIL 10'-0" LONG FOR CONNECTION TO CONSOLE BAY. FINAL CONNECTION TO BAYS BY CONSOLE SUPPLIER/VENDOR.
- (14) BOND RAISED FLOOR PEDESTAL TO INTERIOR GROUND RING USING U-BOLT GROUND CLAMP. REFER TO DETAIL 3/E-701.
- (15) NOT USED.
- (16) BOND METAL WALL STUDS TO INTERIOR GROUND RING EVERY 25'-0" MINIMUM.
- (17) EXTEND #6 AWG INSULATED COPPER GROUNDING CONDUCTOR IN CONDUIT (ROUTE CONCEALED) AND CONNECT TO METALLIC PORTION OF SUSPENDED CEILING GRID.
- (18) EXTEND #6 AWG INSULATED COPPER GROUNDING CONDUCTOR IN CONDUIT (ROUTE CONCEALED) AND CONNECT TO HVAC DUCTWORK ABOVE SUSPENDED CEILING.
- (19) EXTEND #6 AWG INSULATED COPPER GROUNDING CONDUCTOR AND CONNECT TO METALLIC HOUSING OF FLOOR BOX CONTAINING POWER RECEPTACLES AND COMMUNICATIONS CABLING FOR OPERATOR POSITIONS. TYP. OF 8. REFER TO SHEET E-301 FOR FLOOR BOX LOCATIONS.
- (20) GENERAL: UTILIZE PVC CONDUIT FOR ROUTING OF GROUNDING CONDUCTORS IN AREAS NOT USED FOR ENVIRONMENTAL AIR. WHEN METALLIC CONDUIT IS USED, PROVIDE BOND BUSHINGS.
- (21) GENERAL: FOR GROUNDING OF EQUIPMENT MOUNTED WITHIN OPERATOR FURNITURE, UTILIZE A #6 AWG INSULATED COPPER GROUNDING CONDUCTOR AND ATTACH TO MOUNTING RAIL OR BRACKET.

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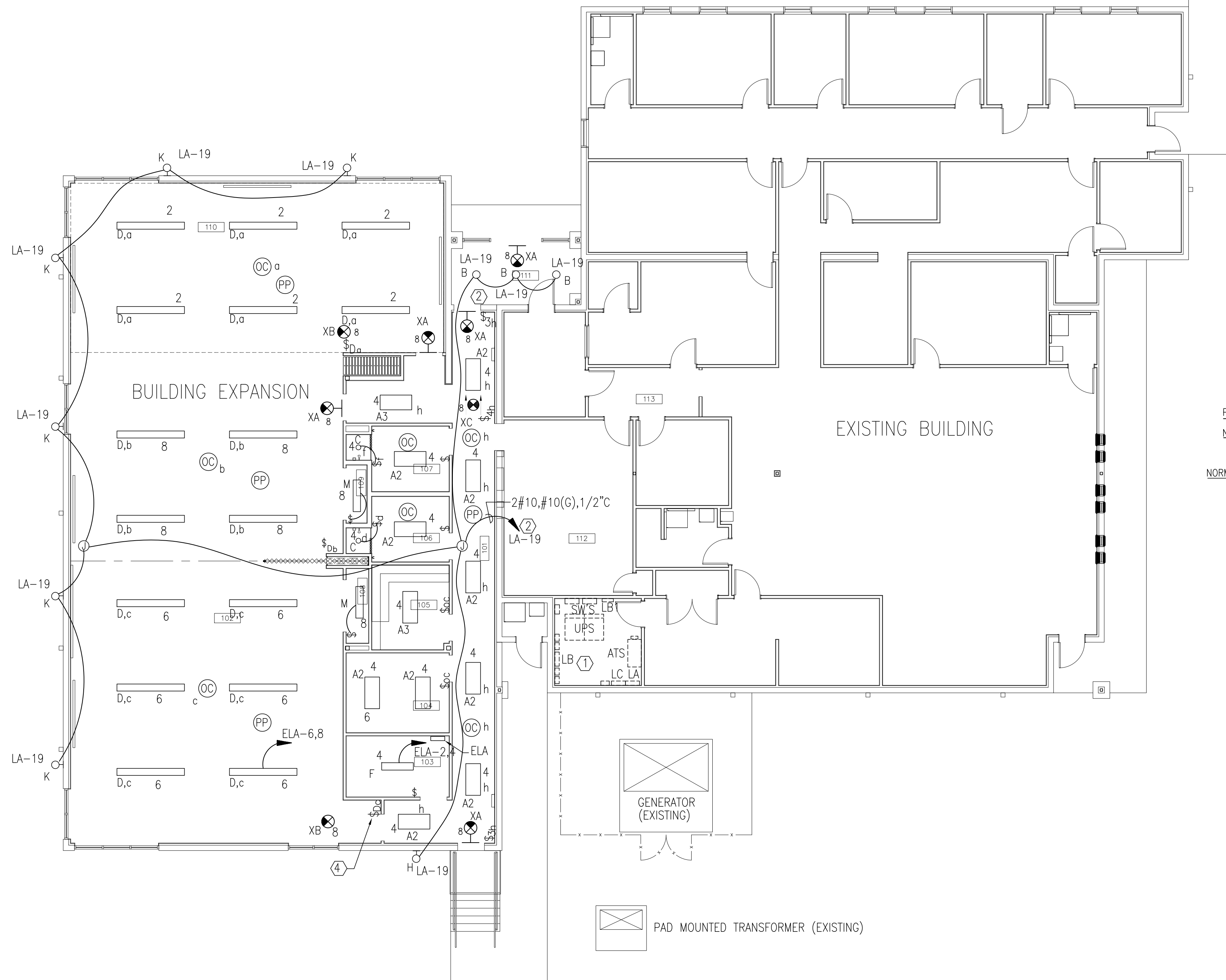
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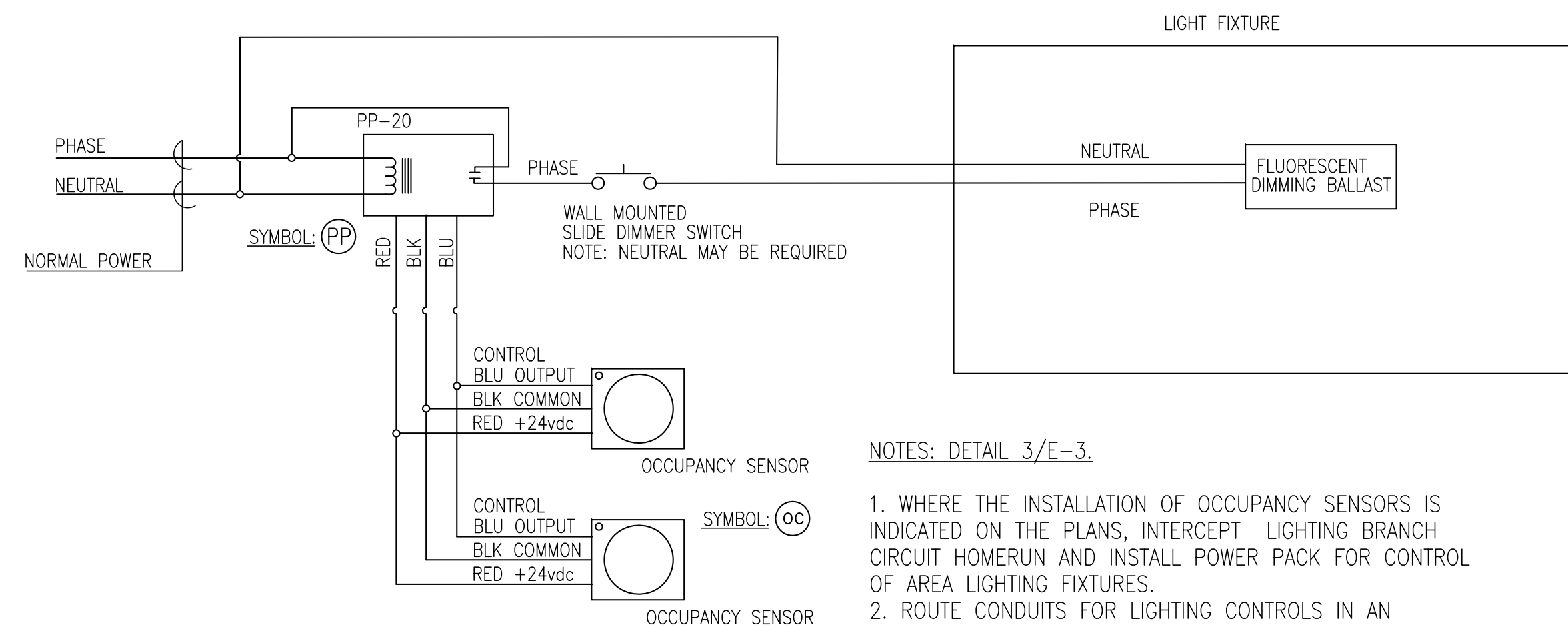
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1 FLOOR PLAN - LIGHTING
E-401 SCALE: 1/8"=1'-0"

KEY NOTES (APPLY TO THIS SHEET ONLY)

- ① ALL ELECTRICAL EQUIPMENT IN ROOM INDICATED IS EXISTING, UNO
- ② EXTEND CONDUIT AND CONDUCTORS TO PANEL 1A CIRCUIT 19 VIA LIGHTING CONTACTOR 'LC' FOR CONTROL. CONNECT TO EXISTING 20A/1P SPARE BREAKER.
- ③ ALL LIGHT FIXTURES ON THIS SHEET ARE CIRCUITED TO PANEL 'ELA', UNO.
- ④ PROVIDE NEUTRAL CONDUCTOR AT DIMMER SWITCH AS REQUIRED BY MANUFACTURER, TYPICAL.



2 WIRING DIAGRAM
E-401 SCALE: SCHEMATIC ONLY

NOTES: DETAIL 3/E-3.

1. WHERE THE INSTALLATION OF OCCUPANCY SENSORS IS INDICATED ON THE PLANS, INTERCEPT LIGHTING BRANCH CIRCUIT HOMERUN AND INSTALL POWER PACK FOR CONTROL OF AREA LIGHTING FIXTURES.
2. ROUTE CONDUITS FOR LIGHTING CONTROLS IN AN CONCEALED FASHION WHERE POSSIBLE, UNO. EXPOSED CONDUITS SHALL BE PAINTED TO MATCH EXISTING ADJACENT SURFACES.
3. THE NUMBER OF OCCUPANCY SENSORS AND POWER PACKS SHOWN ON THE PLANS IS APPROXIMATE. ADJUST NUMBER AND PLACEMENT OF DEVICES IN THE FIELD TO PROVIDE RELIABLE SENSING OF OCCUPANTS AND RESULTING LIGHTING CONTROL.

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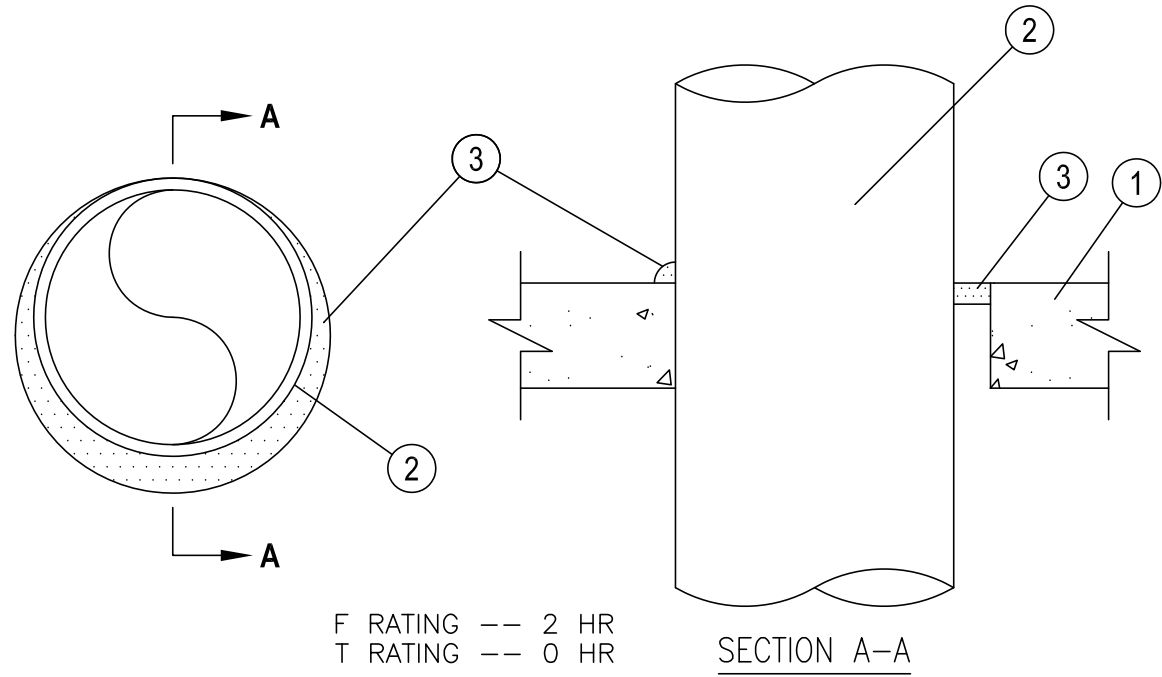
FLOOR PLAN – LIGHTING

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E-401

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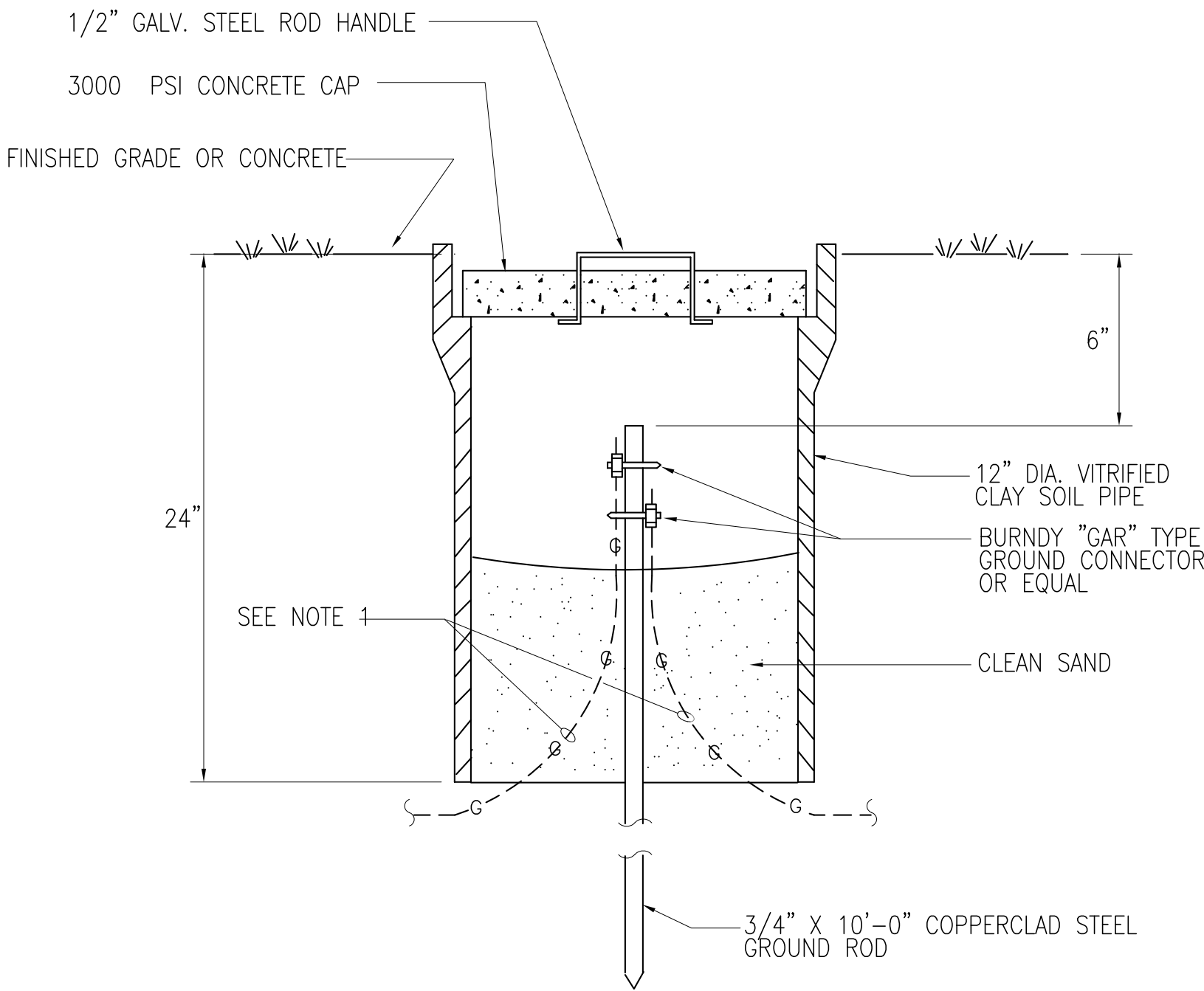
FILENAME: \\Server\Projects\13-26 Covalent Fayette EOC\Drawings\E-701 ELECTRICAL DETAILS.dwg PLOTTER: PDF995 PLOTTED BY: PC10498 PLOT TIME/DATE: Wednesday, November 2, 2011 11:58:11 AM PLOT SCALE: 1 PAPER SIZE: A PENTABLE: 1



1. FLOOR OR WALL ASSEMBLY --- MIN 2-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 30-7/8 IN. SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. THROUGH-PENETRANT --- ONE METALLIC PIPE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. TO MAX 7/8 IN. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
A. STEEL PIPE --- NOM 30 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE --- NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. COPPER PIPE --- NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
D. COPPER TUBING --- NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. CONDUIT --- NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT.
F. CONDUIT --- NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT).
3. FILL, VOID OR CAVITY MATERIAL* --- SEALANT --- MIN 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN PIPE AND CONCRETE, A MIN 1/4 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL.
HILTI CONSTRUCTION CHEMICALS; DIV OF HILTI INC --- FS --- ONE SEALANT
*BEARING THE UL CLASSIFICATION MARK

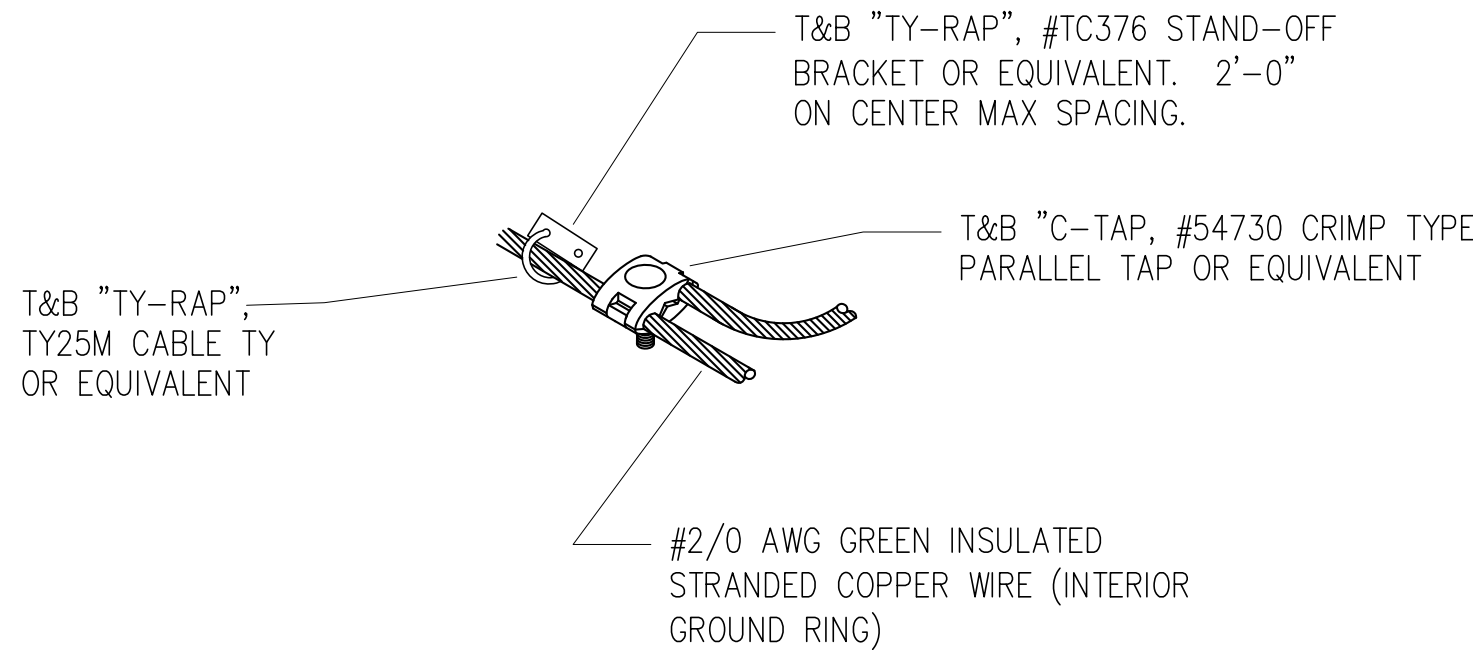
REPRODUCED BY HILTI, INC.
COURTESY OF UNDERWRITERS
LABORATORIES, INC.
DECEMBER 04, 2001

1 HILTI FIRESTOP_SYSTEM_C-AJ-1291
E-701 SCALE: NONE

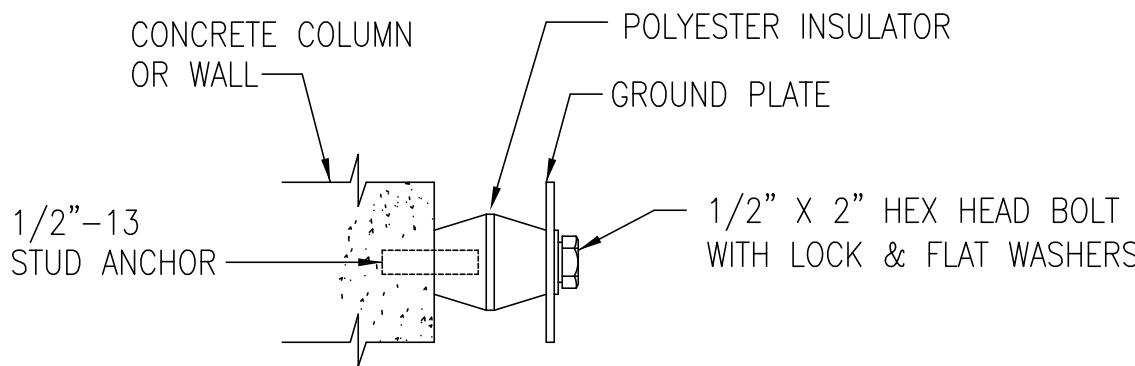


2 DETAIL - GROUND TEST WELL
E-701 SCALE: NONE

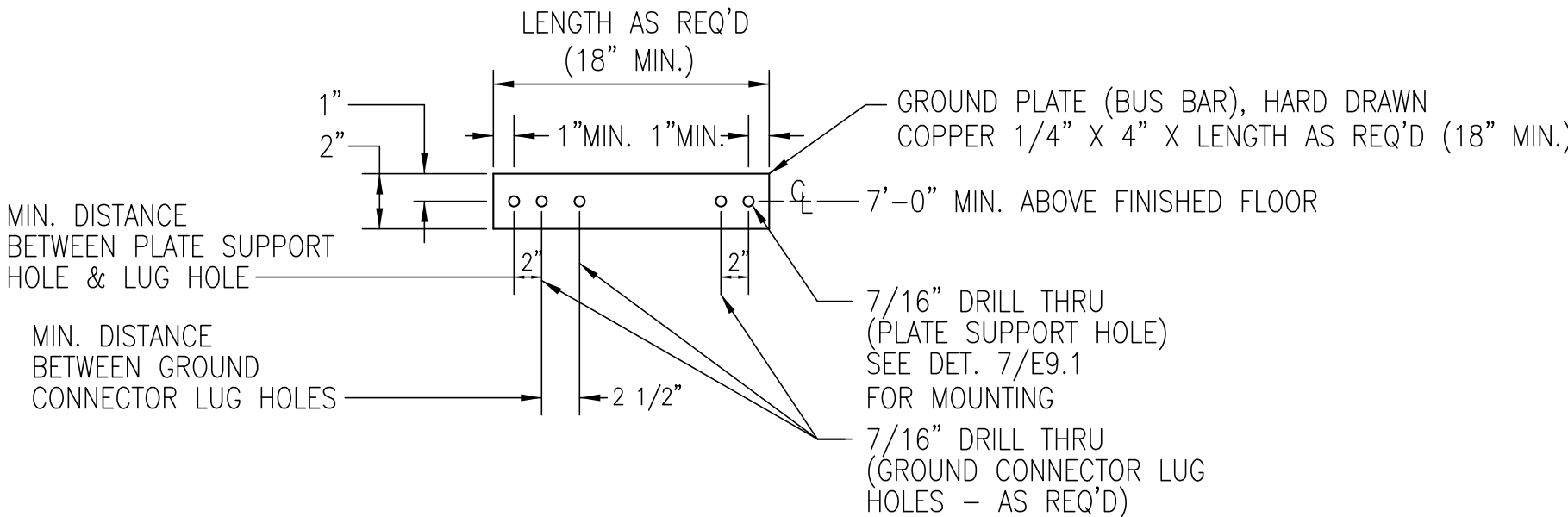
NOTE:
1. FURNISH AND INSTALL #4/0 BARE COPPER GROUND CONDUCTOR.



3 INTERIOR_GROUND_RING_WALL_SUPPORT_DETAIL
E-701 SCALE: NONE

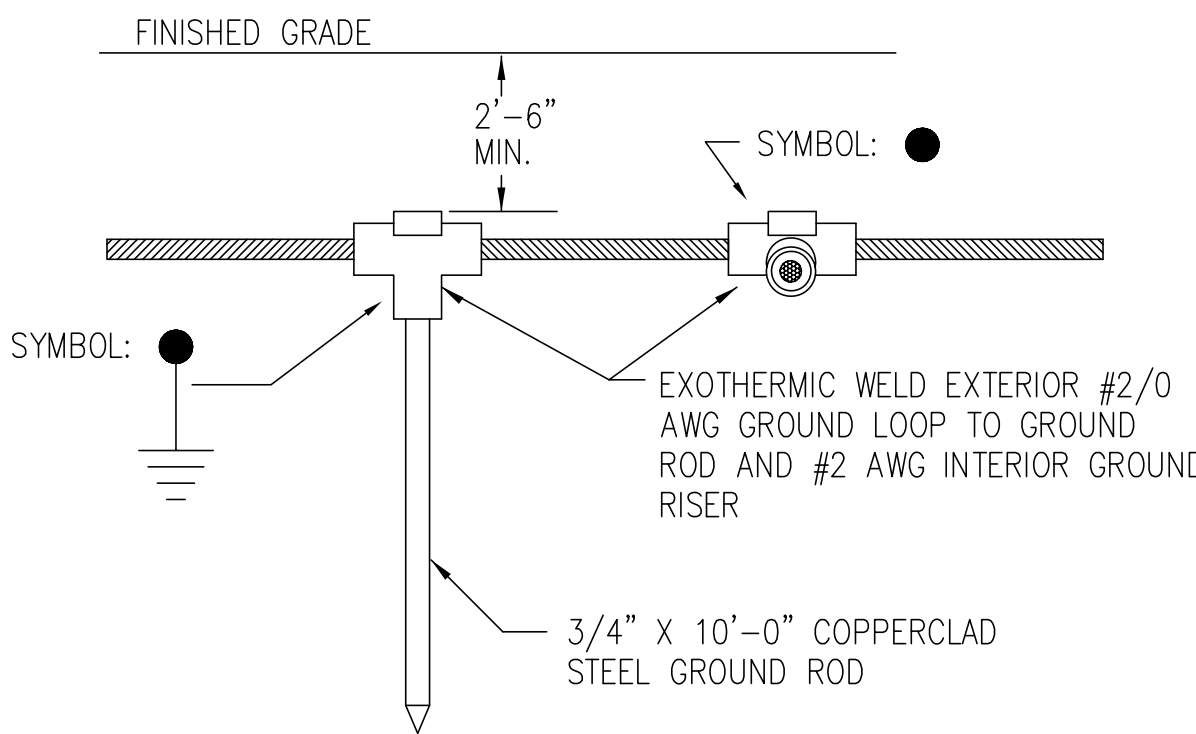


4 SUB-SYSTEM GROUND BUS 'SSGB' MOUNTING DETAIL
E-701 SCALE: SYMBOL: SB

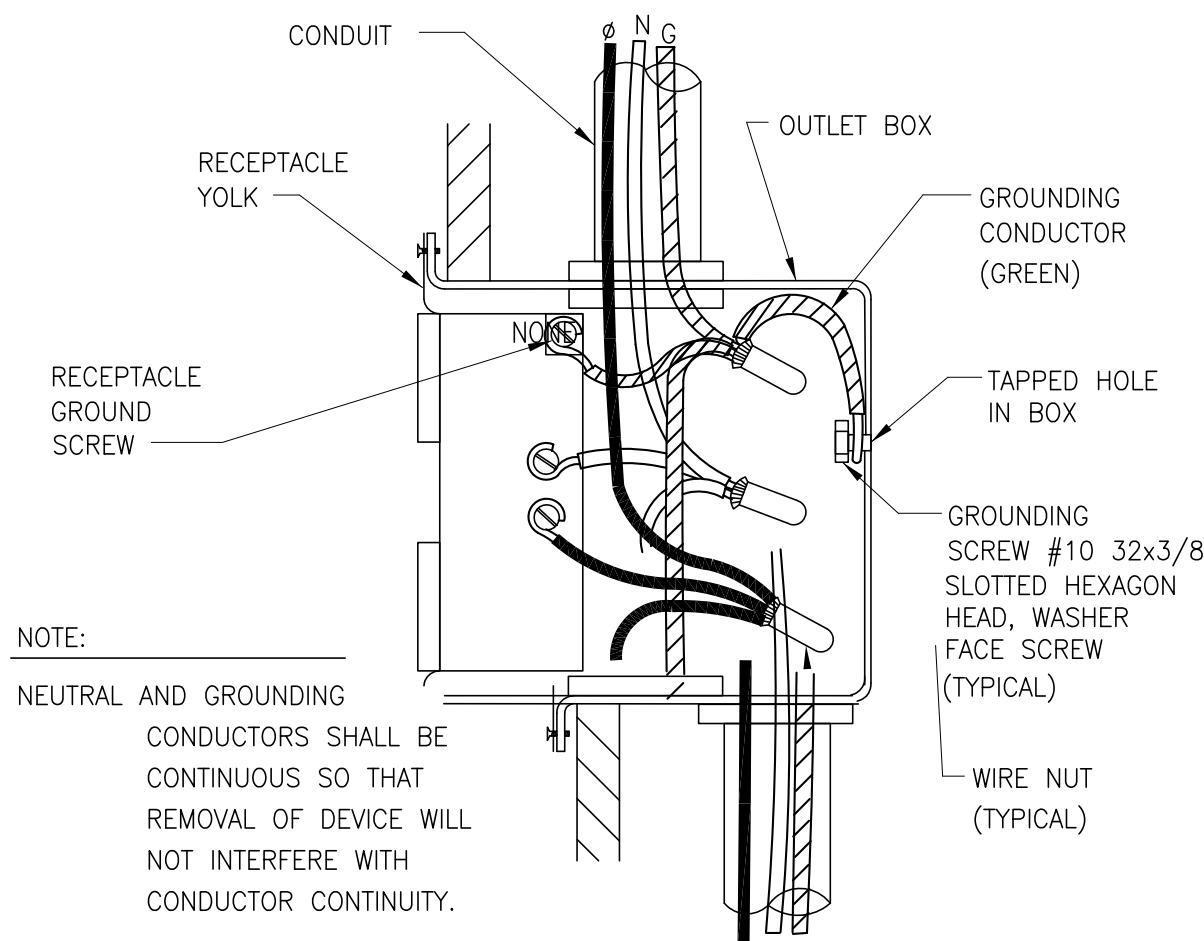


NOTE: BOND THE SHIELD OF SHIELDED CABLE AS REQUIRED.

5 SUB-SYSTEM GROUND BUS 'SSGB' DETAIL
E-701 SCALE: NONE SYMBOL: SB

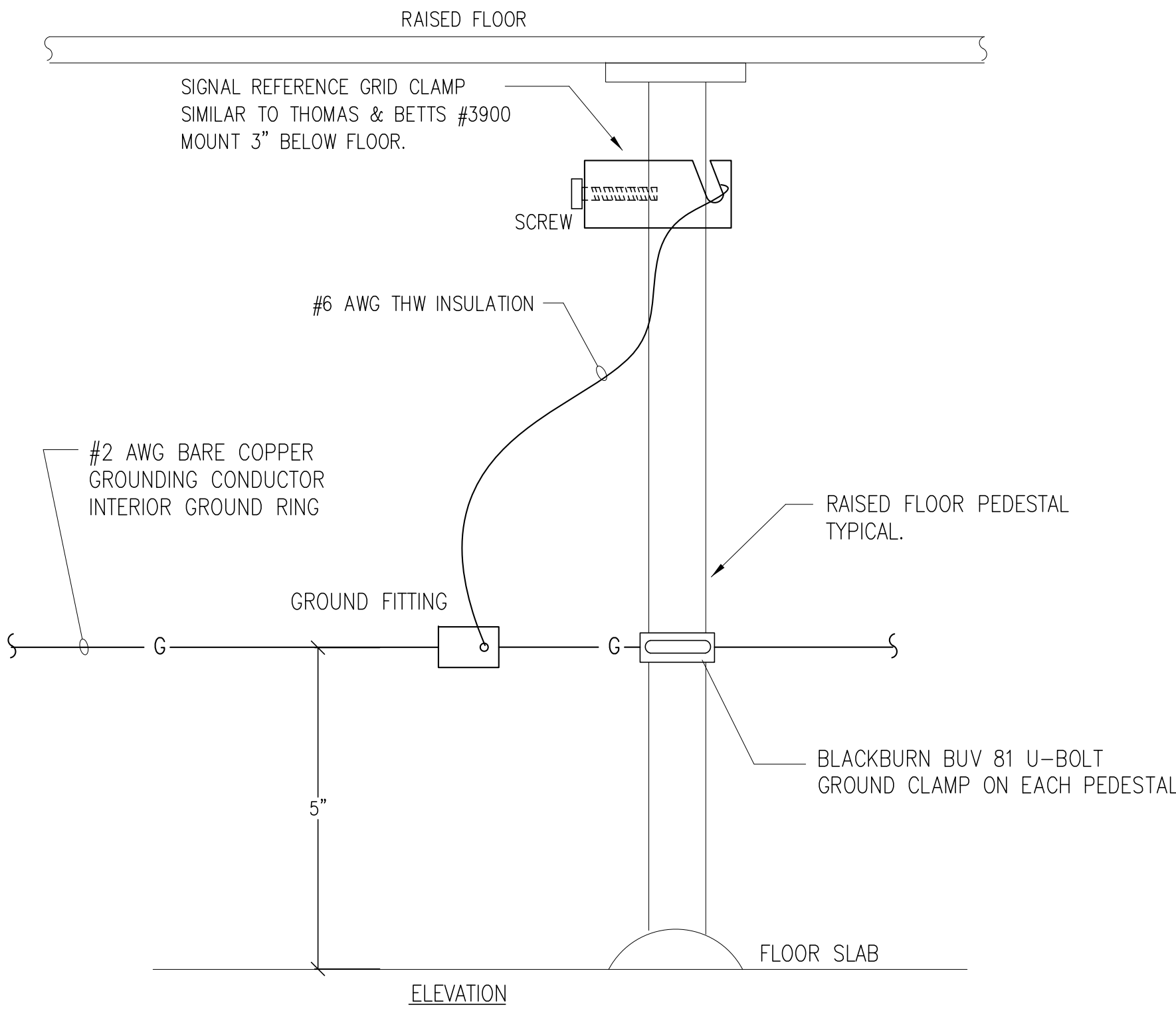


6 DETAIL - GROUND ROD
E-701 SCALE: NONE

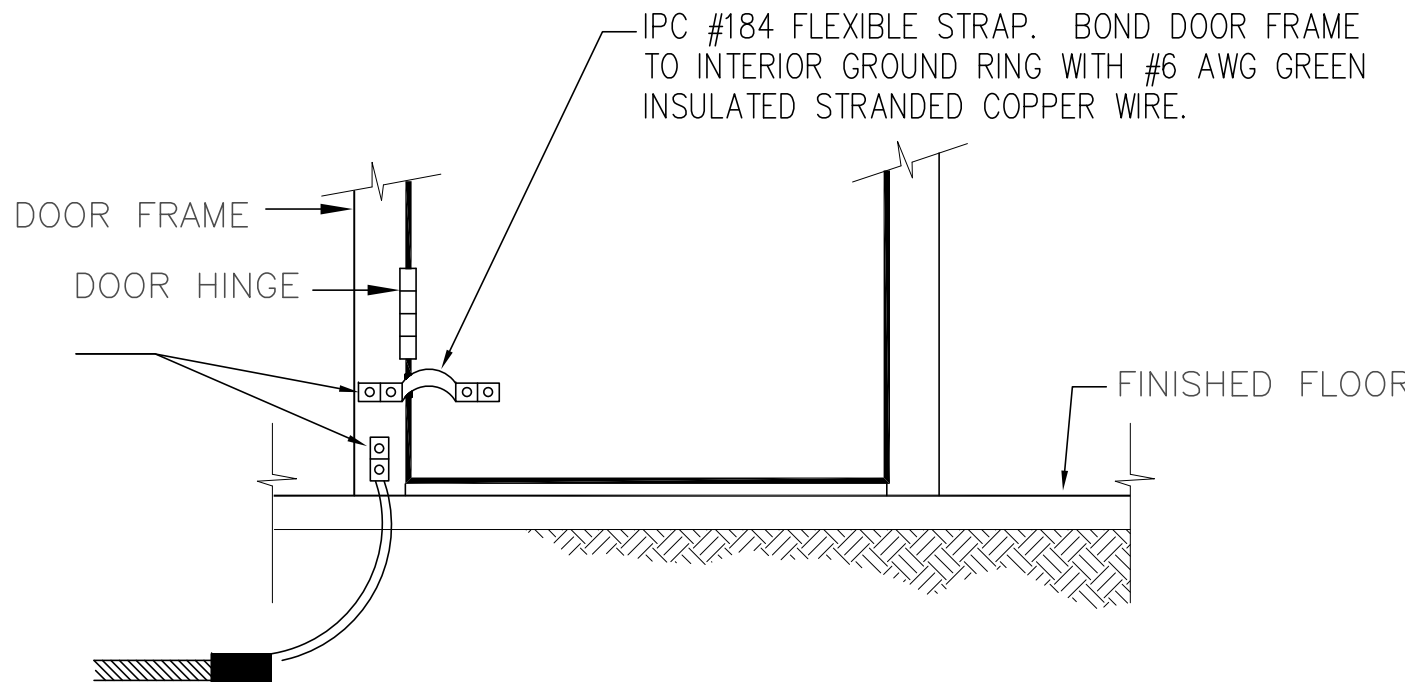


NOTE:
NEUTRAL AND GROUNDING CONDUCTORS SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH CONDUCTOR CONTINUITY.

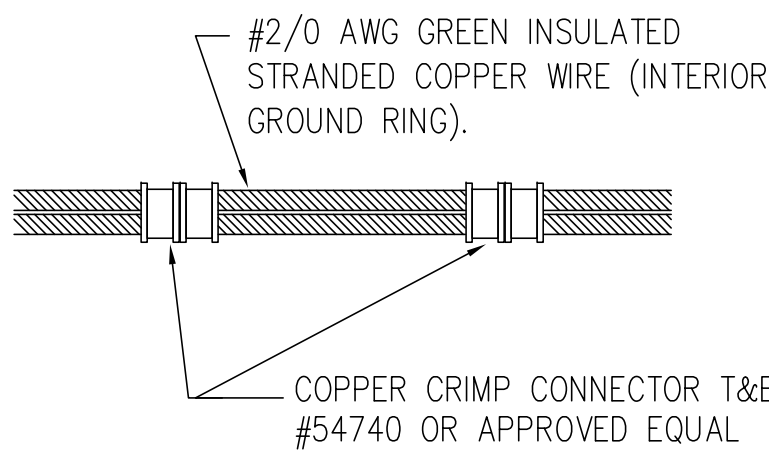
7 RECEPTACLE_BONDING_DETAIL
E-701 SCALE: NOTE: SIMILAR FOR LIGHT SWITCHES



8 PEDESTAL_GROUNDING_EOC_ROOM_110
E-701 SCALE: NTS



9 DOOR_GROUNDING_DETAIL
E-701 SCALE: NONE



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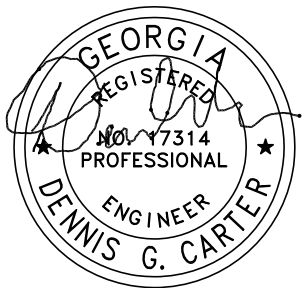
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12/02/13 FOR CONSTRUCTION

Revisions

Date 2013-09-23 Job No. 1207007000

Sheet Title
ELECTRICAL DETAILS

Sheet No.

E-701

FOR CONSTRUCTION

FILENAME: \\Server\Projects\13-26 Covalent Fayette EDC\Draws\E-801 ELECTRICAL PANELBOARD SCHEDULES.dwg PENTABLE: --- PAPER SIZE: --- PLOTTER: PDF995 PLOTTED BY: CPC0498 PLOT TIME/DATE: 4/9/14

PANELBOARD SCHEDULE ELA (NEW)																			
TYPE _____		208Y/120		VOLTS		3		ø		4		W							
MOUNTING: ☐ FLUSH				100		AMP MAINS:		☒ LUGS		☐ BREAKER									
BRANCH BREAKERS																			
ITEM	CONDUIT SIZE	WIRE SIZE	AMP RATING	P O L E	CIR. NO.	PHASE			CIR. NO.	P O L E	AMP RATING	WIRE SIZE	CONDUIT SIZE	ITEM					
						A.	B.	C.											
RECEPTS ROOF	1/2"	2#12,#12G	20	1	1	360	1200		2	1	20	2#12,#12G	1/2"	LTS RM 110					
PROJECTION SCREENS	1/2"	2#10,#10G	20	1	3			1000 1190	4	1	20	2#12,#12G	1/2"	LTS CORR 101, RM 103-107					
RECEPTS RM 110, OUTSIDE NE	1/2"	2#10,#10G	20	1	5				6	1	20	2#12,#12G	1/2"	LTS RM 102					
RECEPTS CORR 101	1/2"	2#10,#10G	20	1	7	720	940		8	1	20	2#12,#12G	1/2"	LTS RM 102					
RECEPTS RM 102,103 OUTSIDE S	1/2"	2#12,#12G	20	1	9			1080	10	1	20	2#10,#10(G)	3/4"	TV RECEPTS COMM RM 110					
RECEPTS RM 105,106,107	1/2"	2#12,#12G	20	1	11			1080	12	1	20	2#10,#10(G)	3/4"	TV RECEPTS ASMBLY RM 102					
RECEPT FRIDGE	1/2"	2#12,#12G	20	1	13	750			14	1	20			SPARE					
RECEPT DISHWASHER	1/2"	2#12,#12G	20	1	15			1200	16	1	20			SPARE					
RECEPT MICROWAVE	1/2"	2#12,#12G	20	1	17				18	1	20			SPARE					
RECEPTS OFFICE 104	1/2"	2#12,#12G	20	1	19	720			20	1	20			SPARE					
RECEPTS RM104, CORR 101	1/2"	2#12,#12G	20	1	21			540	22	1				SPACE					
SPARE	-	-	20	1	23				24	1				SPACE					
RTU-1	3/4"	3#10,#10G	30	3	25	2580	2268		26	3	25	3#10,#10(G)	3/4"	RTU-2					
					27		2580	2268	28										
					29			2580	30										
					31				32										
					33				34										
					35				36										
					37				38										
					39				40										
					41				42										
						5130	4408	6400	3458	5760	3468								
						9538		9858		9228									
						TOTAL CONN. LOAD		28,624 VA											
INTEGRATED EQUIPMENT RATING						10,000		AMPS RMS. SYM.											

PANELBOARD						SCHEDULE						ULB (NEW)									
TYPE _____						208Y/120						VOLTS		3		ø _____		4		W	
MOUNTING: ☐ FLUSH												100		AMP MAINS:		☒ LUGS		☐ BREAKER			
☒ SURFACE																					
BRANCH BREAKERS																					
ITEM	CONDUIT SIZE	WIRE SIZE	AMP RATING	P _O _L _E	CIR. NO.	PHASE			CIR. NO.	P _O _L _E	AMP RATING	WIRE SIZE	CONDUIT SIZE	ITEM							
						A.	B.	C.													
RECEPTS FLOOR MTD RM 110	1/2"	2#12,#12G	20	1	1	1440	1440		2	1	20	2#12,#12G	1/2"	RECEPTS FLOOR MTD RM 102							
RECEPTS FLOOR MTD RM 110	1/2"	2#12,#12G	20	1	3		1440	1440	4	1	20	2#12,#12G	1/2"	RECEPTS FLOOR MTD RM 102							
RECEPTS FLOOR MTD RM 110	1/2"	2#12,#12G	20	1	5			1440	6	1	20	2#12,#12G	1/2"	RECEPTS FLOOR MTD RM 102							
RECEPTS FLOOR MTD RM 110	1/2"	2#12,#12G	20	1	7	1440	1440		8	1	20	2#12,#12G	1/2"	RECEPTS FLOOR MTD RM 102							
RECEPTS FLOOR MTD RM 110	1/2"	2#12,#12G	20	1	9		1440	1440	10	1	20	2#12,#12G	1/2"	RECEPTS FLOOR MTD RM 102							
RECEPTS FLOOR MTD RM 110	1/2"	2#12,#12G	20	1	11			1440	12	1	20	2#12,#12G	1/2"	RECEPTS FLOOR MTD RM 102							
RECEPTS FLOOR MTD RM 110	1/2"	2#12,#12G	20	1	13	1440	1440		14	1	20	2#12,#12G	1/2"	RECEPTS FLOOR MTD RM 102							
RECEPTS FLOOR MTD RM 110	1/2"	2#12,#12G	20	1	15		1440	1440	16	1	20	2#12,#12G	1/2"	RECEPTS FLOOR MTD RM 102							
RECEPT RM 103	1/2"	2#12,#12G	20	1	17			360	18	1	20			SPARE							
SPARE			20	1	19				20	1	20			SPARE							
SPARE			20	1	21				22	1	20			SPARE							
SPARE			20	1	23				24	1	20			SPARE							
SPARE			20	1	25				26	1				SPACE							
SPARE			20	1	27				28	1				SPACE							
SPARE			20	1	29				30	1				SPACE							
				1	31				32												
					33				34												
					35				36												
					37				38												
					39				40												
					41				42												
						4320	4320	4320	4320	3240	2880										
						8640		8640		6120				TOTAL CONN. LOAD	23,400	VA					
INTEGRATED EQUIPMENT RATING						10,000						AMPS RMS. SYM.									

PANELBOARD SCHEDULE ELB (NEW)																		
TYPE _____		208Y/120		VOLTS		3		ø		4		W						
MOUNTING: ☐ FLUSH				100		AMP MAINS:		☒ LUGS		☐ BREAKER								
☒ SURFACE																		
BRANCH BREAKERS																		
ITEM	CONDUIT SIZE	WIRE SIZE	AMP RATING	P O L E	CIR. NO.	PHASE			CIR. NO.	P O L E	AMP	WIRE SIZE	CONDUIT	ITEM				
						A.	B.	C.										
RTU-3	3/4"	3#10,#10G	25	3	1	2172	3012		2	3	35	3#8,#10G	3/4"	RTU-4				
					3			2172	3012		4							
					5			2172	3012		6							
GATE CONTROLS	3/4"	3#10,#10G	20	1	7	864	2000		8	3	25	3#10,#10G	1/2"	WH-1				
SPARE			20	1	9			2000		10								
SPARE			20	1	11				2000	12								
SPARE			20	1	13	-				14	1	15	2#12,#12G	1/2"	EF-1			
SPACE				1	15			1308		16	1	20	2#12,#12G	1/2"	CU-1 / MS-1			
SPACE				1	17					18	1				SPACE			
SPACE				1	19					20	1				SPACE			
SPACE				1	21					22	1				SPACE			
SPACE				1	23					24	1				SPACE			
SPACE				1	25					26	1				SPACE			
SPACE				1	27					28	1				SPACE			
SPACE				1	29					30	1				SPACE			
					31				32									
					33				34									
					35				36									
					37				38									
					39				40									
					41				42									
					3036	5012	2172	6320	2172	5012								
					8048		8492		7184									
						TOTAL CONN. LOAD			23,724 VA									
INTEGRATED EQUIPMENT RATING						10,000			AMPS RMS. SYM.									

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