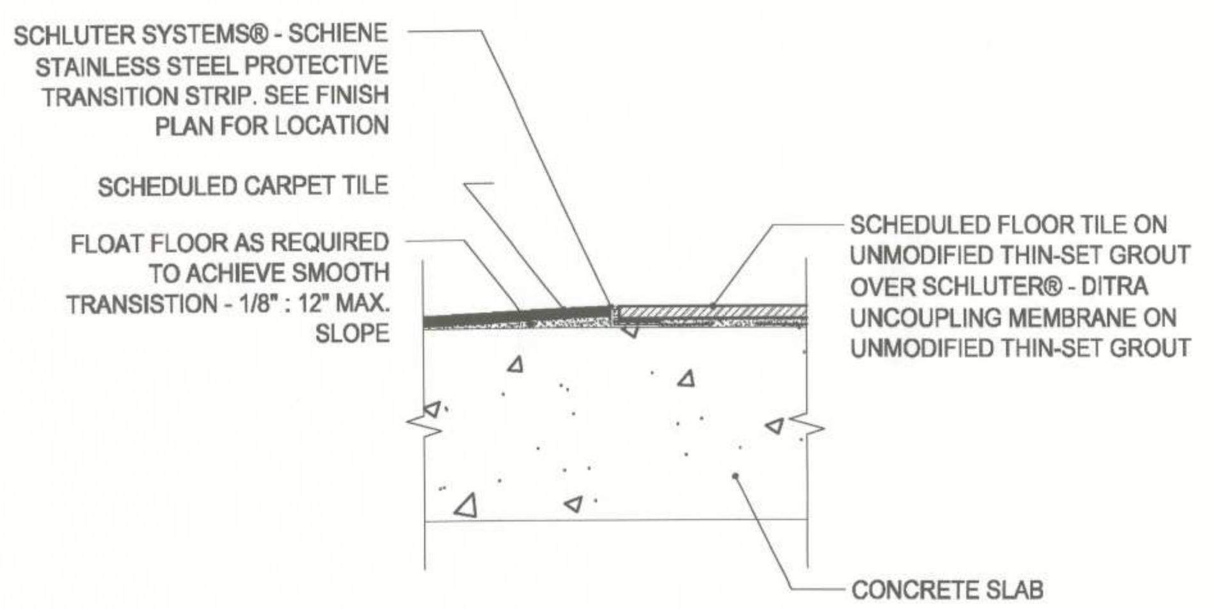
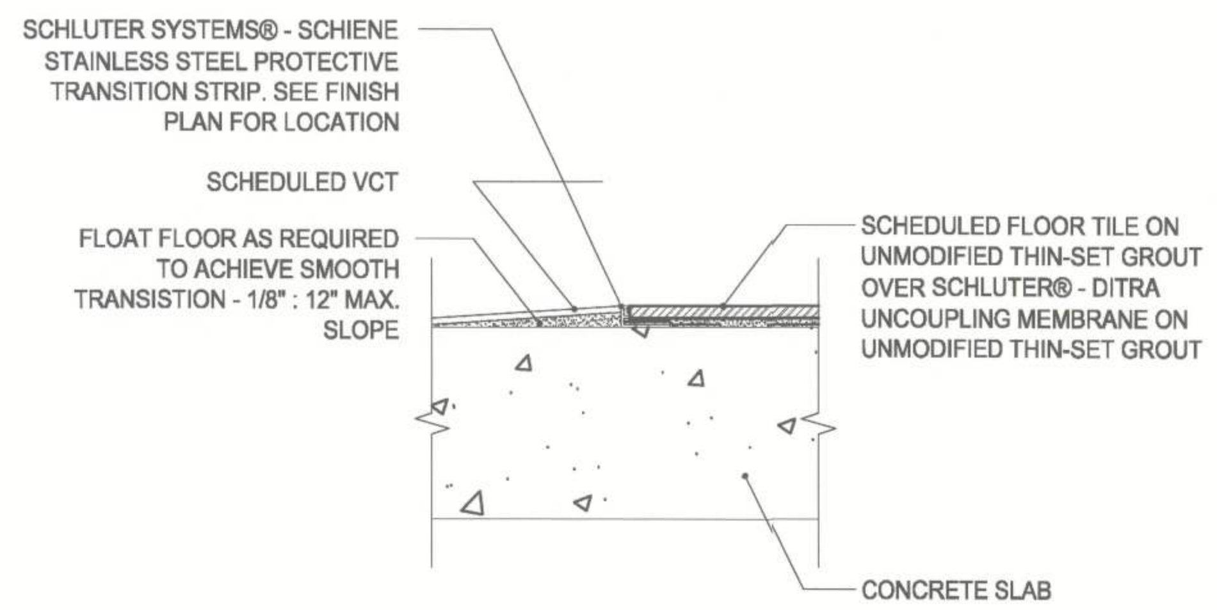


1 FLOOR TRANSITION DETAIL
SCALE: 3"=1'-0"



2 FLOOR TRANSITION DETAIL
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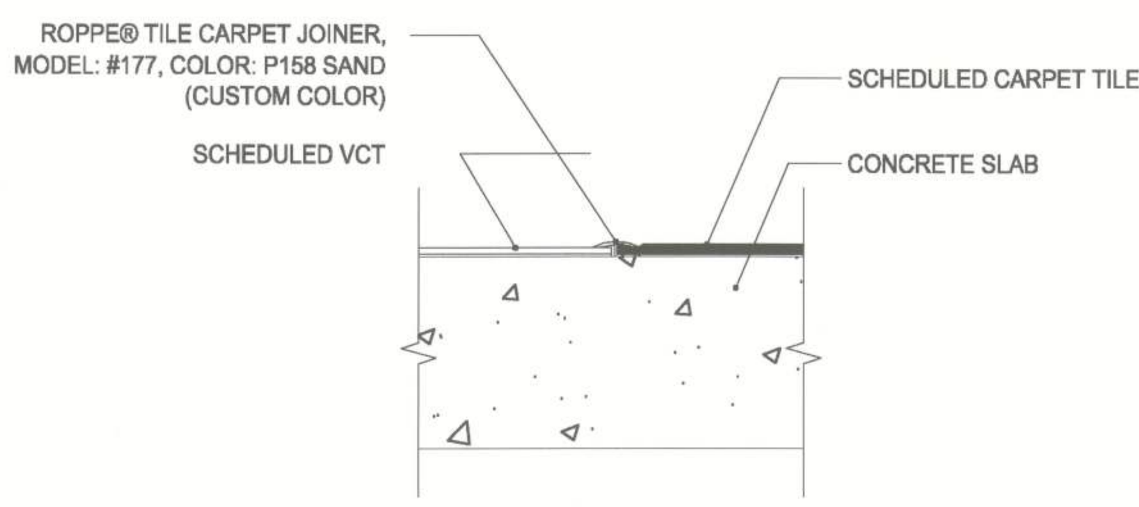

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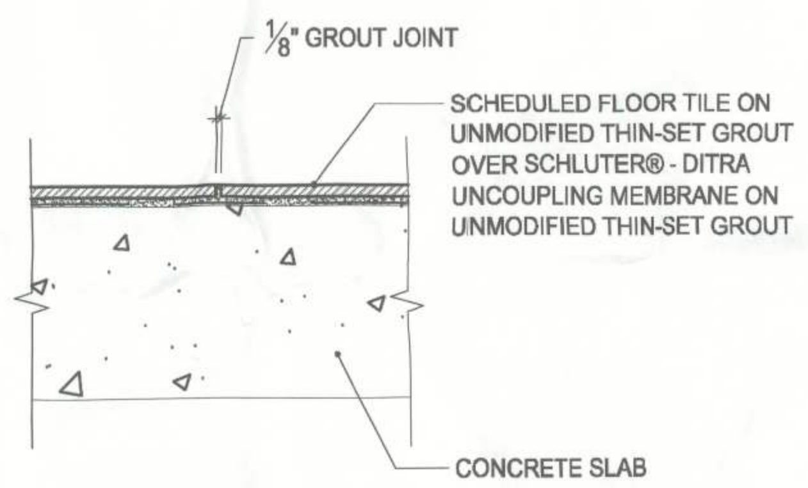
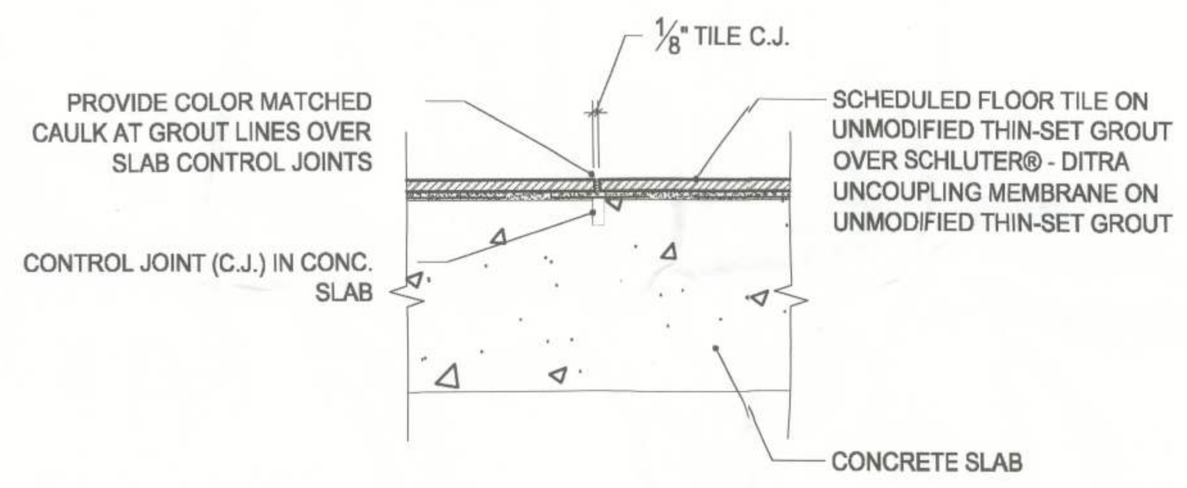


4 TYPICAL GROUT JOINT
SCALE: 3"=1'-0"



5 TYPICAL TILE EXPANSION JOINT
SCALE: 3"=1'-0"

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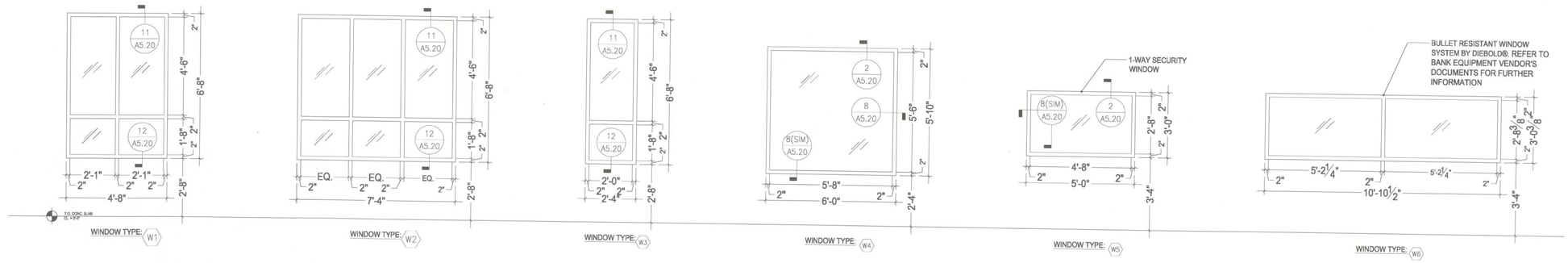
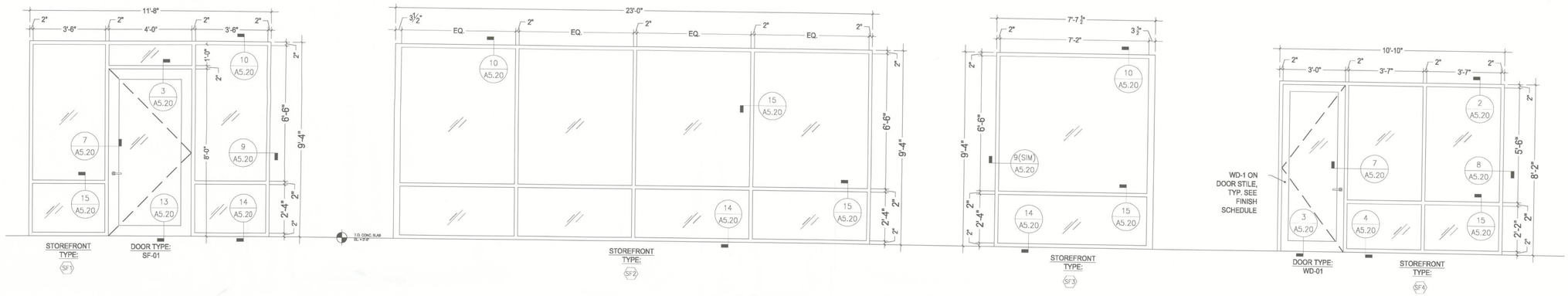
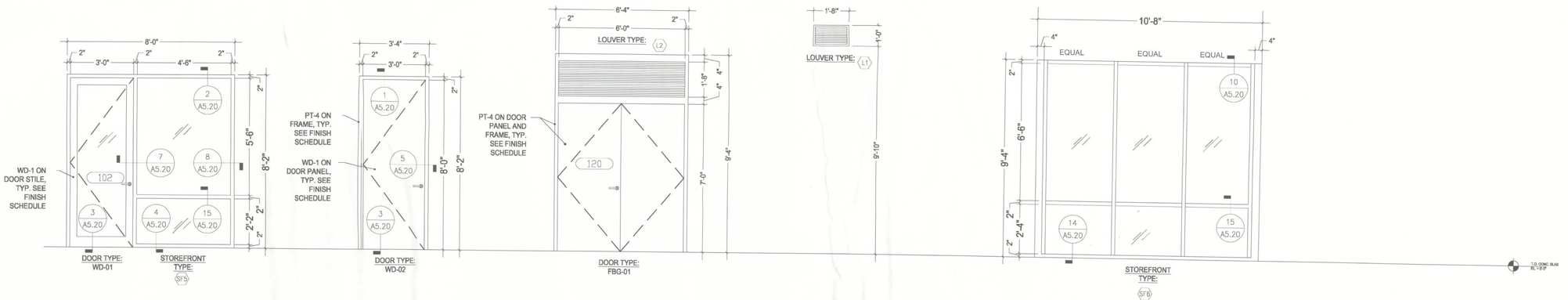
NO.	DATE	REVISION

SCHERER CONSTRUCTION OF NORTH FLORIDA, LLC.
GAINESVILLE, FL 352-371-1417
ADDITIONAL OFFICES IN:
ST. PETERSBURG / ORLANDO / JACKSONVILLE
800-741-3188

JOB NO.	13-621A
DRAWN	rt
DATE	5.14.2013
SCALE	3"=1'-0"
SHT.	A 4.30 (Ext.Roof Det.)







DOOR SCHEDULE

MARK (XXXX)	TYPE	MATERIAL	GLASS	FINISH	REMARKS
101.1	--	STOREFRONT	FULL GLASS	ANOD. ALUM.	SECURITY VESTIBULE – SEE BANK EQUIPMENT VENDOR
101.2	--	STOREFRONT	FULL GLASS	ANOD. ALUM.	SECURITY VESTIBULE – SEE BANK EQUIPMENT VENDOR
101.3	--	STOREFRONT	FULL GLASS	ANOD. ALUM.	SECURITY VESTIBULE – SEE BANK EQUIPMENT VENDOR
101.4		STOREFRONT	FULL GLASS	ANOD. ALUM.	SECURITY VESTIBULE – SEE BANK EQUIPMENT VENDOR
102	SF-01	STOREFRONT	FULL GLASS	ANOD. ALUM.	SECURED ACCESS – SEE BANK EQUIPMENT VENDOR
104	WD-01	SOLID WOOD	FULL GLASS	WD-1	--
105	WD-01	SOLID WOOD	FULL GLASS	WD-1	--
106	WD-01	SOLID WOOD	FULL GLASS	WD-1	--
108	WD-01	SOLID WOOD	FULL GLASS	WD-1	--
109	WD-02	SOLID WOOD	--	WD-1	--
110	WD-02	SOLID WOOD	--	WD-1	--
111	WD-02	SOLID WOOD	--	WD-1	RESTROOM DOOR – ACOUSTIC SEALS
112	WD-02	SOLID WOOD	--	WD-1	RESTROOM DOOR – ACOUSTIC SEALS
113	WD-02	SOLID WOOD	--	WD-1	RESTROOM DOOR – ACOUSTIC SEALS
115	WD-02	SOLID WOOD	--	WD-1	--
116A	WD-02	SOLID WOOD	--	WD-1	--
116B	WD-02	SOLID WOOD	--	WD-1	--
117	WD-Bi-Fold	SOLID WOOD	--	WD-1	
118	ADA SLIDING GLASS		FULL GLASS	FACTORY	--
119	WD-02	SOLID WOOD	--	WD-1	SECURED ACCESS – SEE BANK EQUIPMENT VENDOR
120	FBG-01	FIBERGLASS	--	PT-5	SECURED ACCESS – SEE BANK EQUIPMENT VENDOR

NOTES:

1. SEE SPECIFICATIONS SECTION 08 710 FOR HARDWARE GROUP SCHEDULE AND FINISH REQUIREMENTS.
2. SEE OPENING TYPE ELEVATIONS FOR ASSEMBLY DETAILS.
3. SEE FINISH SCHEDULE FOR FINISH INFORMATION.

WINDOW SCHEDULE

MARK (XX)	FRAME	GLAZING	NOTES
W1	STOREFRONT	TINTED	--
W2	STOREFRONT	TINTED	--
W3	STOREFRONT	TINTED	--
W4	STOREFRONT	CLEAR	--
W5	STOREFRONT	CLEAR	1-WAY SECURITY WINDOW
W6	STOREFRONT	CLEAR	BULLET RESISTANT GLAZING – SEE BANK EQUIPT. VENDOR
SF1	STOREFRONT	TINTED	--
SF2	STOREFRONT	TINTED	--
SF3	STOREFRONT	TINTED	--
SF4	STOREFRONT	CLEAR	--
SF5	STOREFRONT	CLEAR	--
SF6	STOREFRONT	CLEAR	--

LOUVER SCHEDULE

MARK (XX)	MATERIAL	FUNCTION	NOTES
L1	ALUMINUM	EXHAUST	--
L2	ALUMINUM	INTAKE	--

NOTES:

1. SEE SPECIFICATION DIVISION 08 FOR FURTHER INFORMATION.
2. SEE OPENING TYPE ELEVATIONS FOR ASSEMBLY DETAILS.
3. INSULATED LOW E GLASS AT ALL EXTERIOR OPENING TYPES.

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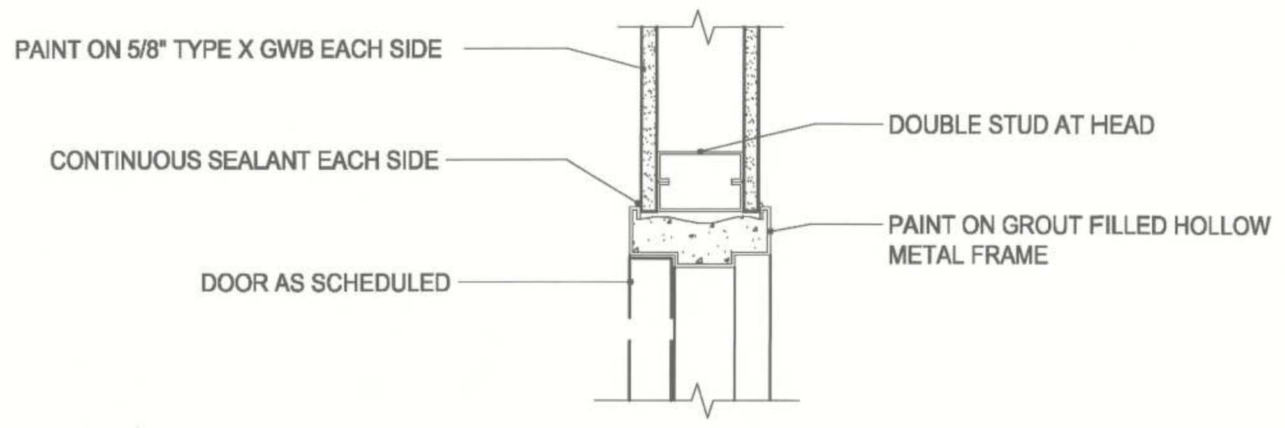
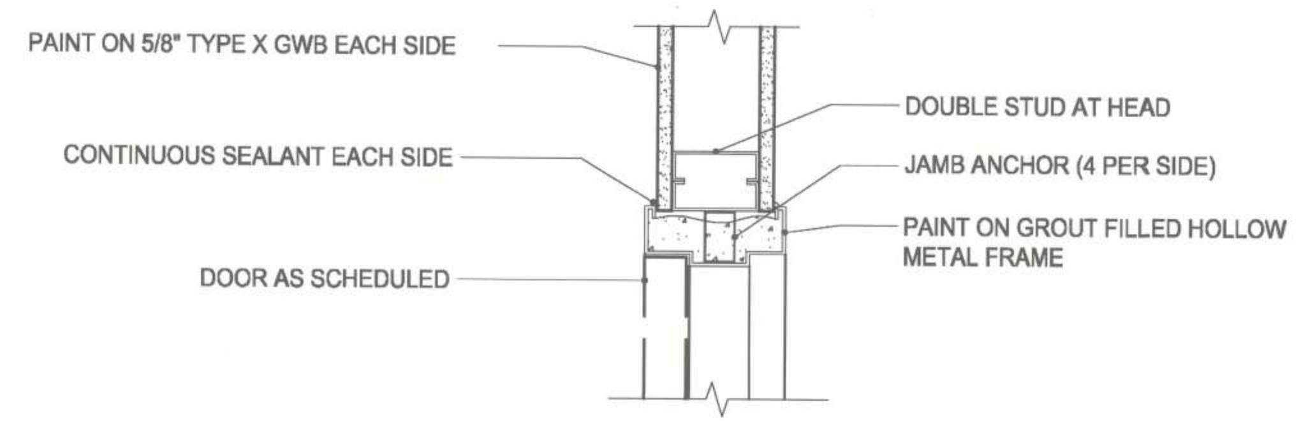
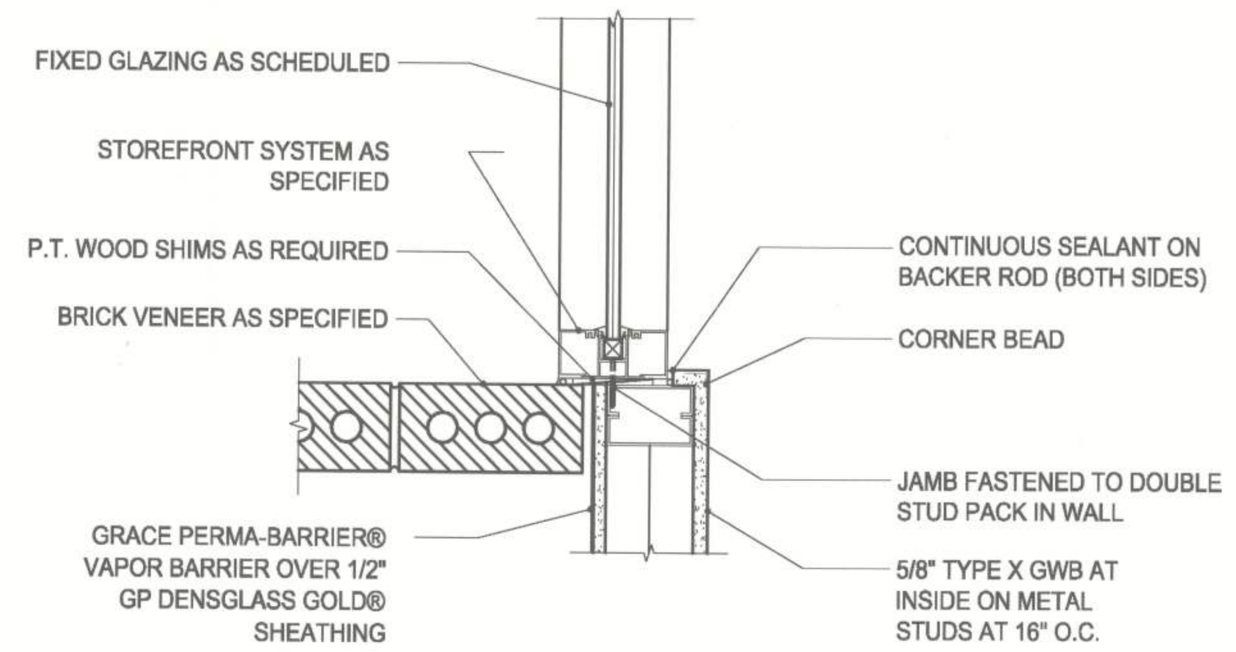
JOB NO. 13-621A
DRAWN rt
DATE 5.14.2013
SCALE 3/8"=1'-0"
SHT. A 5.10 (Opening Type Elev.)



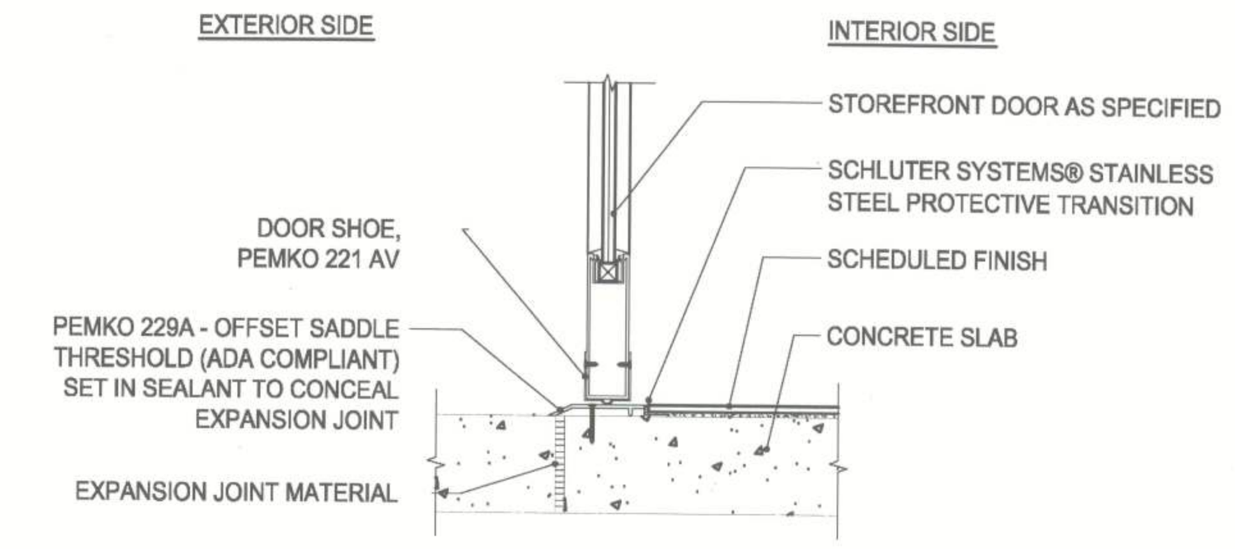
1 DOOR FRAME HEAD DETAIL
SCALE: 1 1/2"=1'-0"



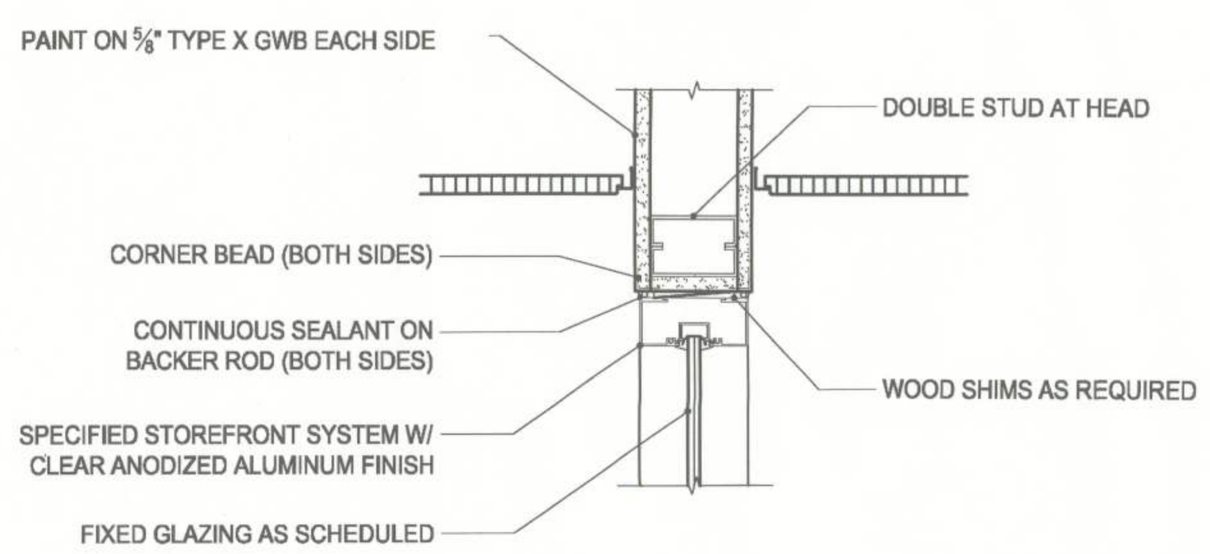
5 DOOR FRAME JAMB DETAIL
SCALE: 1 1/2"=1'-0"



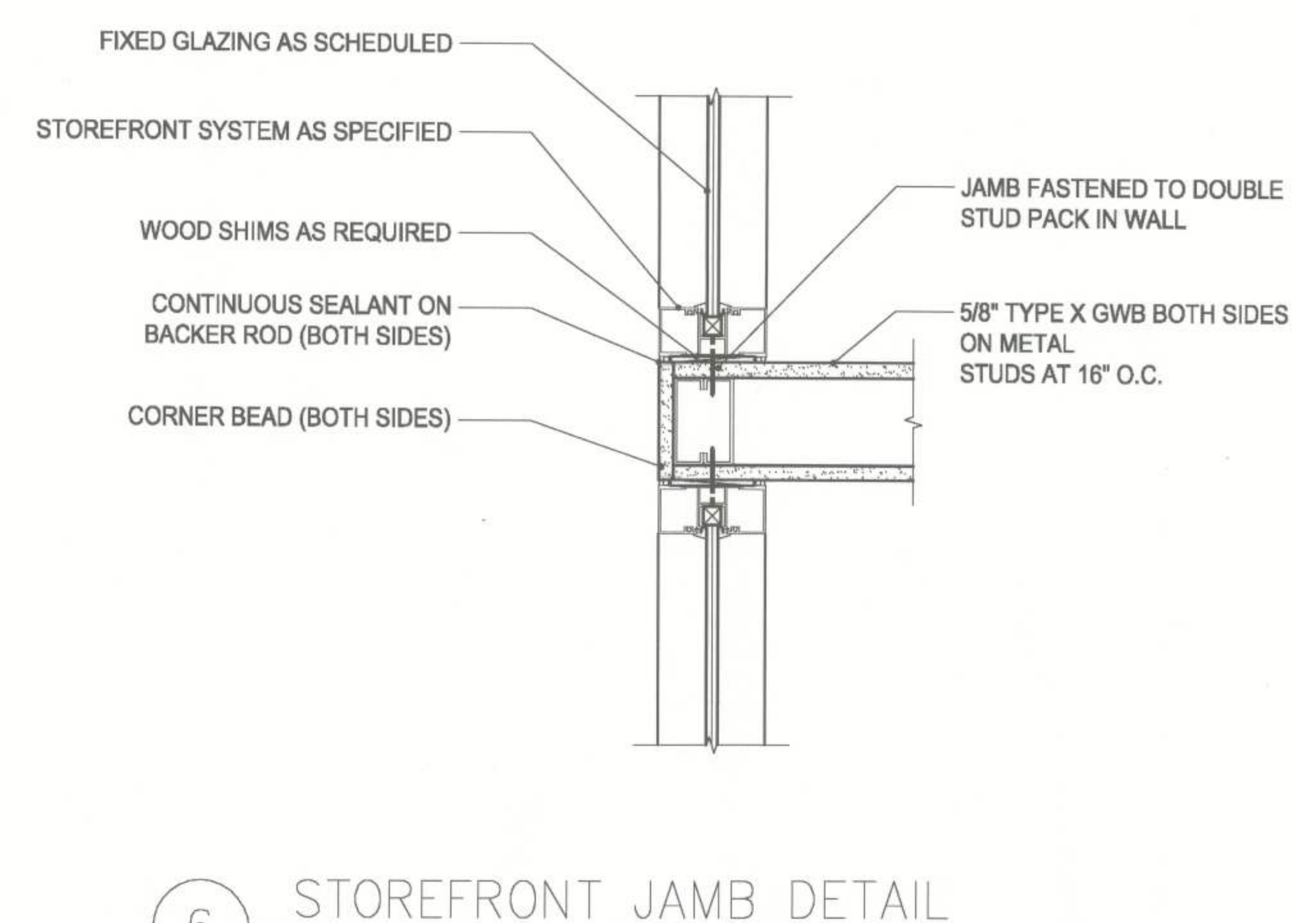
9 STOREFRONT JAMB DETAIL
SCALE: 1 1/2"=1'-0"



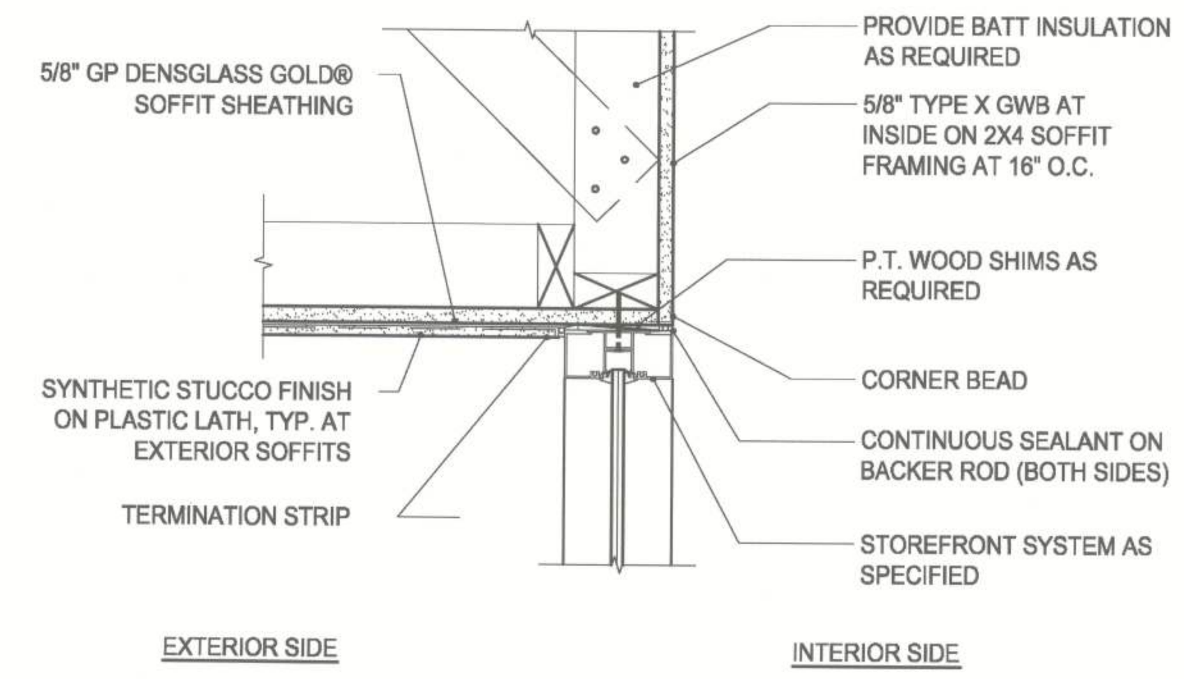
13 STOREFRONT DOOR THRESHOLD DETAIL
SCALE: 1 1/2"=1'-0"



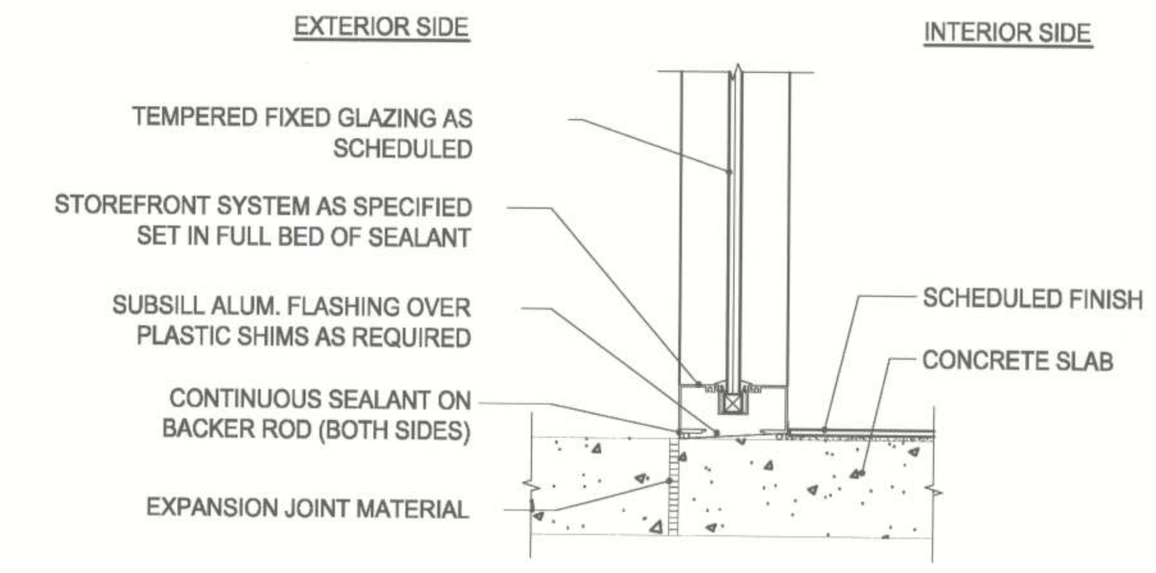
2 STOREFRONT HEAD DETAIL
SCALE: 1 1/2"=1'-0"



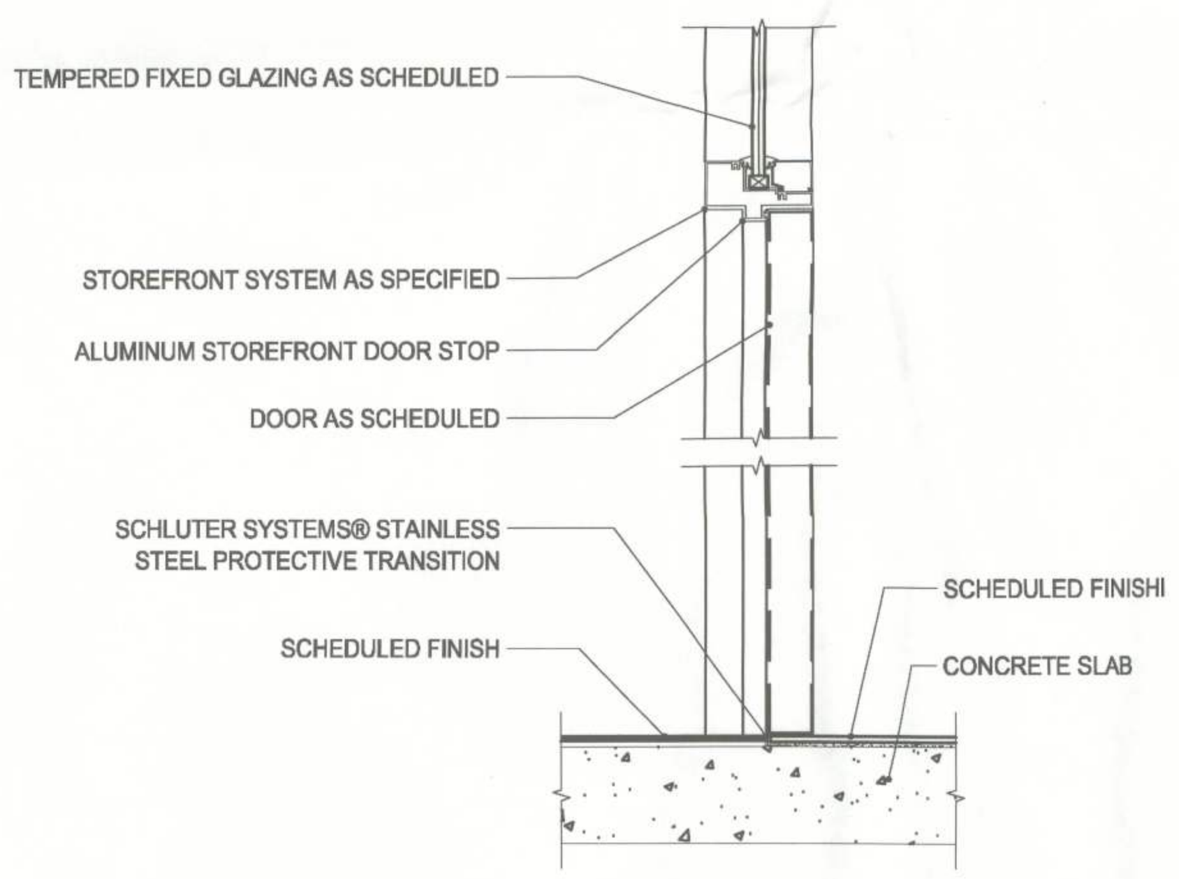
6 STOREFRONT JAMB DETAIL
SCALE: 1 1/2"=1'-0"



10 STOREFRONT HEAD DETAIL
SCALE: 1 1/2"=1'-0"



14 STOREFRONT SILL DETAIL
SCALE: 1 1/2"=1'-0"



3 STOREFRONT DOOR HEAD/SILL DETAIL
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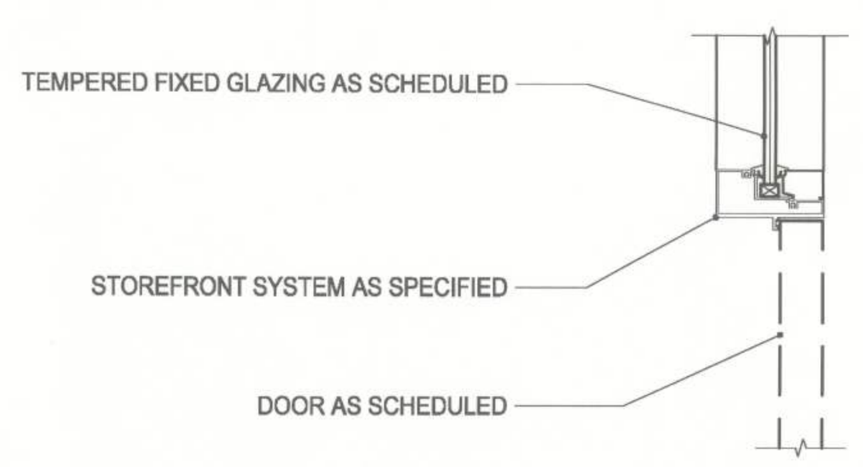
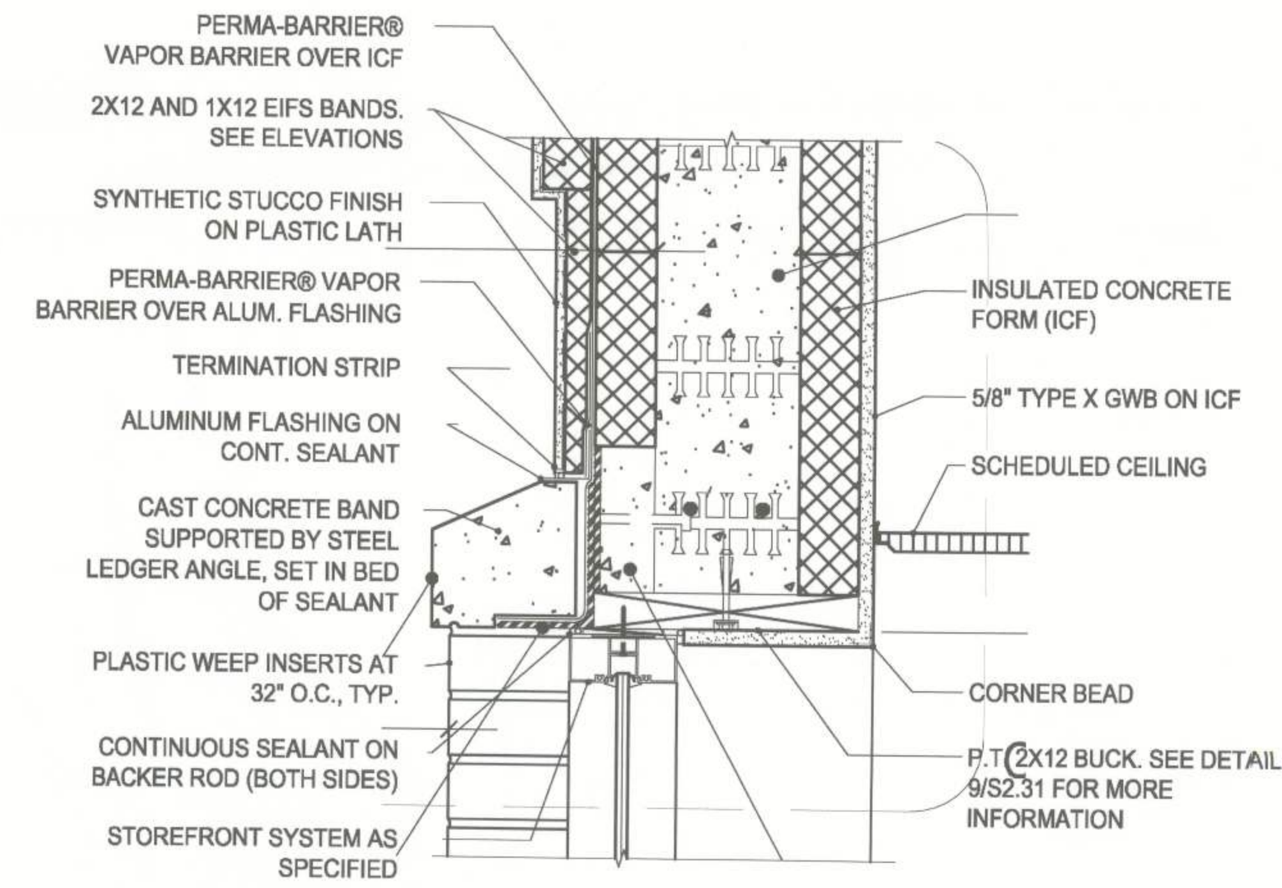
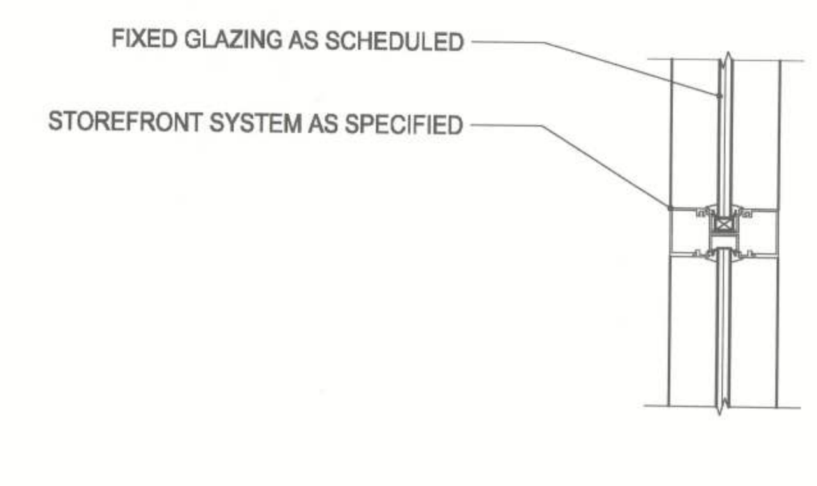


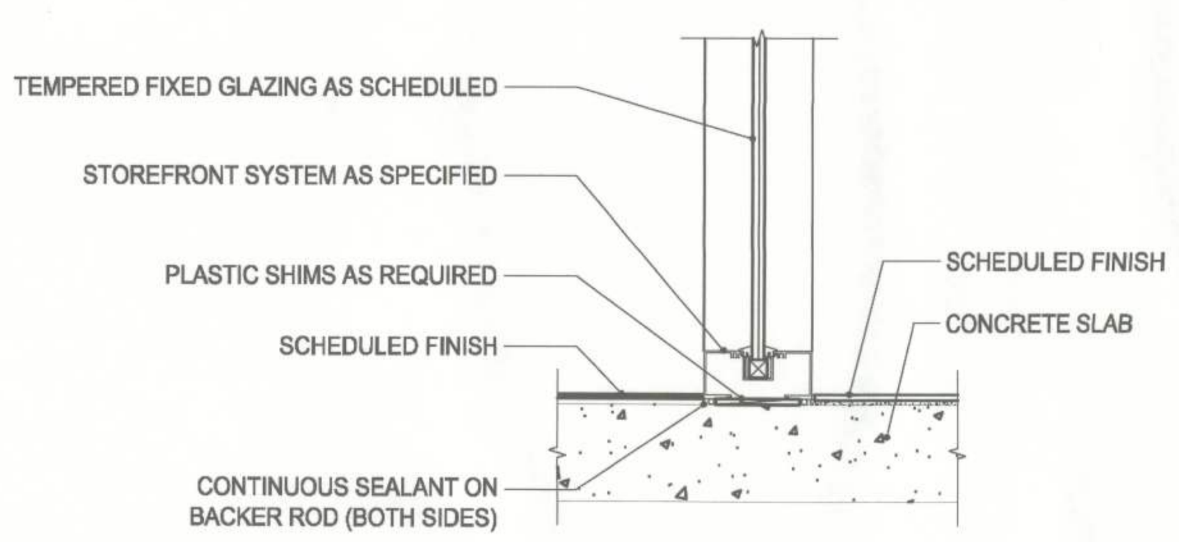
7 STOREFRONT DOOR JAMB DETAIL
SCALE: 1 1/2"=1'-0"



11 STOREFRONT HEAD DETAIL
SCALE: 1 1/2"=1'-0"



15 STOREFRONT INTERMEDIATE MULLION DETAIL
SCALE: 1 1/2"=1'-0"



4 STOREFRONT SILL DETAIL
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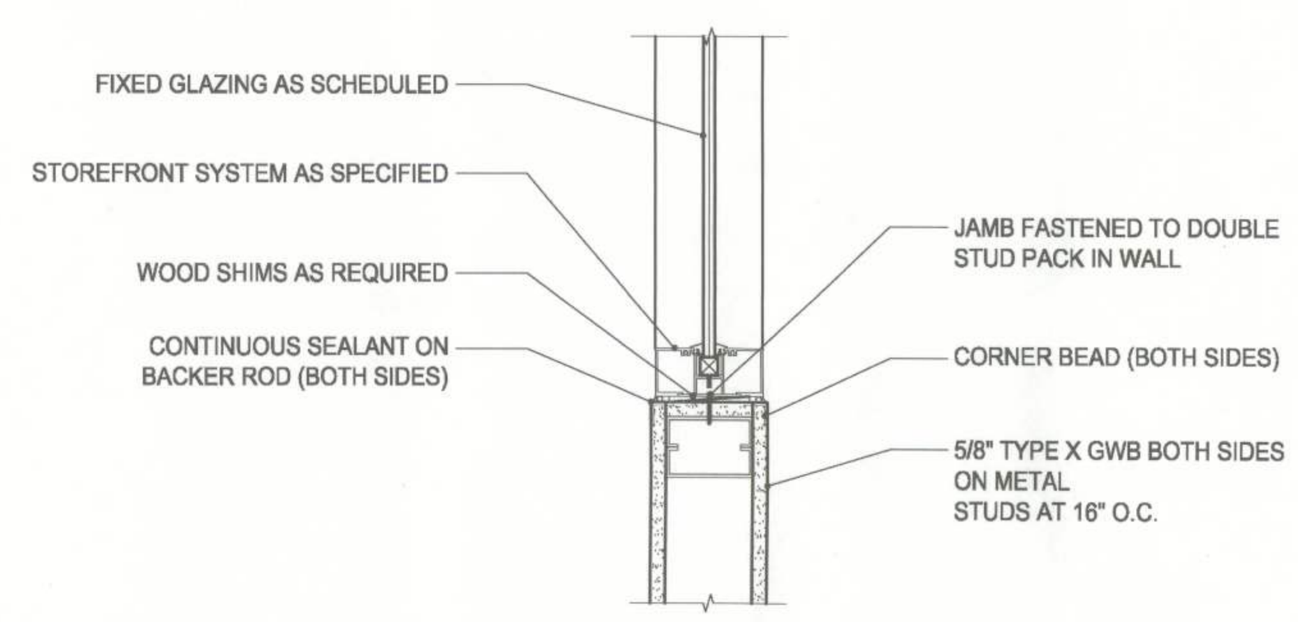

8 TYP. STOREFRONT JAMB DETAIL
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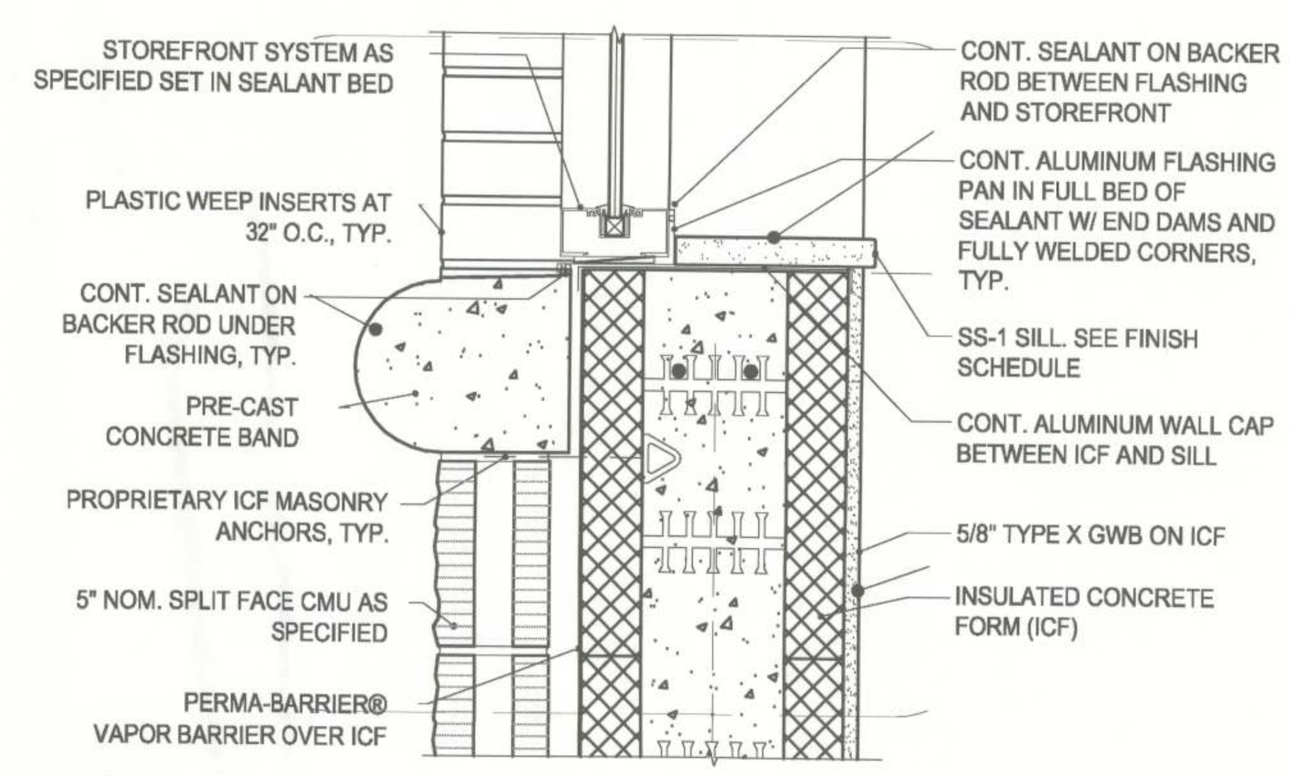

12 STOREFRONT SILL DETAIL
SCALE: 1 1/2"=1'-0"

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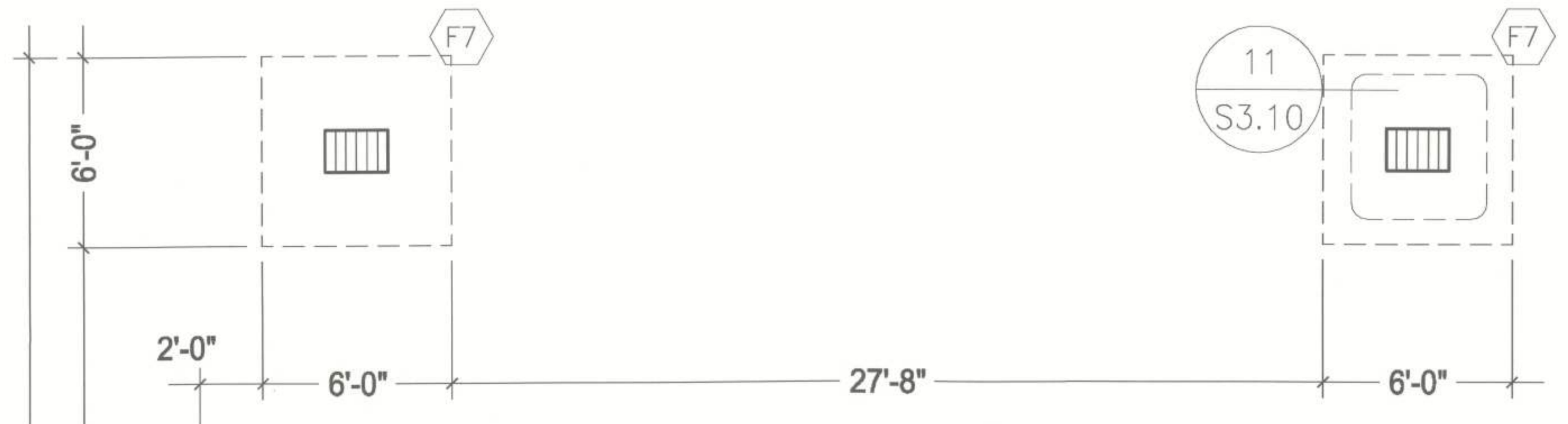
800-741-3188

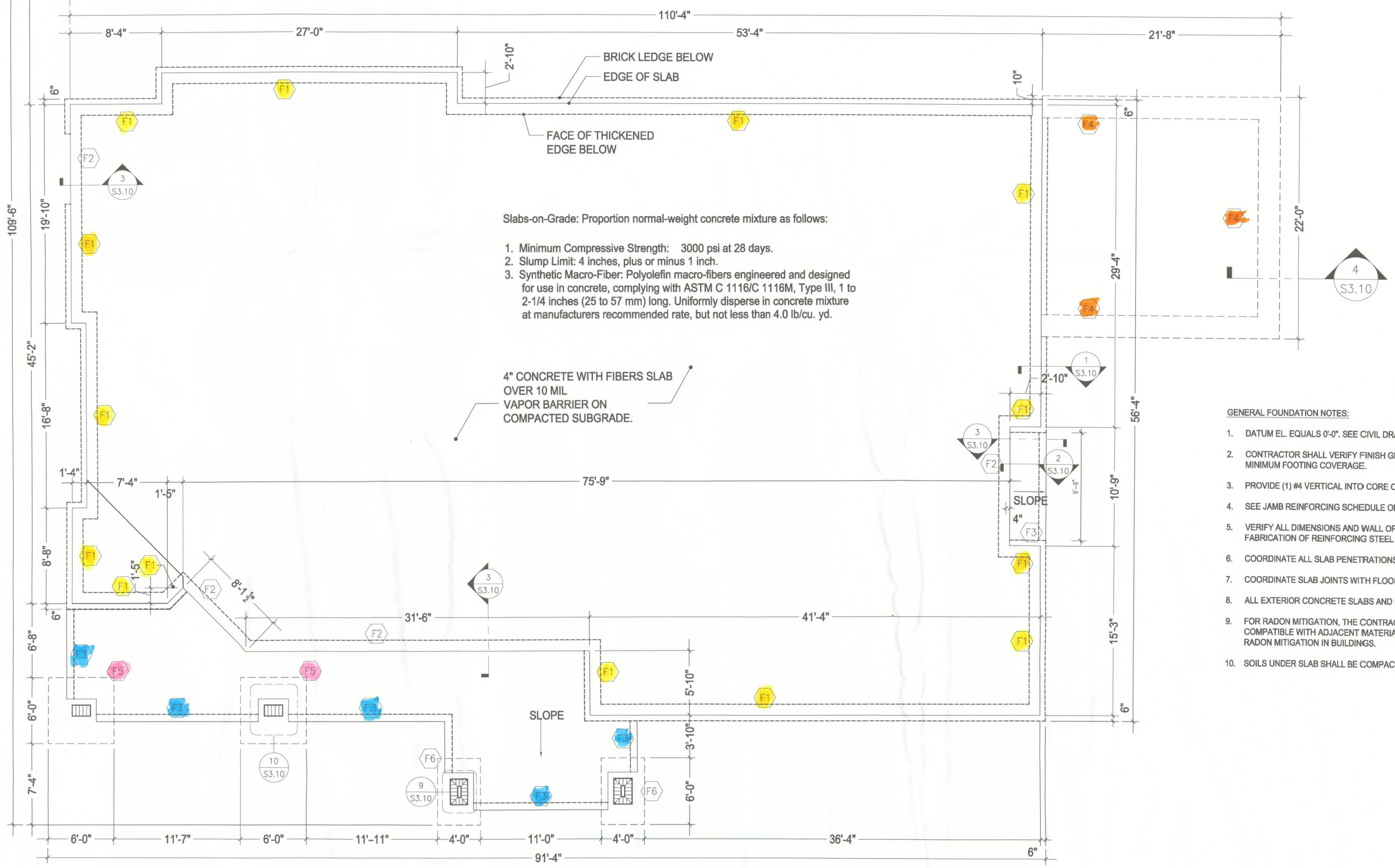
NO.	DATE	REVISION

JOB NO.	13-621A
DRAWN	rt
DATE	5.14.2013
SCALE	1-1/2"=1'-0"
SHT.	A 5.20 (Opening Details)

FOUNDATION SCHEDULE

TYPE	LENGTH X WIDTH	DEPTH	REINFORCING	REMARKS
F-1	CONTINUOUS X 1'-6"	2'-0"	(3) #5 BARS IN BOTTOM CONT., #4 DOWELS VERT. AT 24" O.C.	SEE DETAIL 1/S3.10
F-2	CONTINUOUS X 1'-6"	1'-0"	(2) #5 BAR IN BOTTOM, CONTINUOUS	SEE DETAIL 2/S3.10
F-3	CONTINUOUS X 8"	1'-0"	(1) #4 BAR IN BOTTOM, CONTINUOUS	SEE DETAIL 3/S3.10
F-4	CONTINUOUS X 2'-0"	1'-0"	(3) #5 BARS CONTINUOUS	SEE DETAIL 4/S3.10
F-5	7'-0" X 7'-0"	1'-0"	(7) #5 BARS EACH WAY	–
F-6	6'-0" X 6'-0"	1'-0"	(7) #5 BARS EACH WAY	–
F-7	7'-0" X 7'-0"	1'-0"	(8) #7 BARS EACH WAY	–





FOUNDATION PLAN

Scale 3/16"=1'-0"

GENERAL FOUNDATION NOTES:

1. DATUM EL. EQUALS 0'-0". SEE CIVIL DRAWINGS FOR ACTUAL N.G.V.D. ELEVATION.
2. CONTRACTOR SHALL VERIFY FINISH GRADING WITH CIVIL DOCUMENTS AND SET TOP OF FOOTING ELEVATION TO MAINTAIN THE REQUIRED 12" MINIMUM FOOTING COVERAGE.
3. PROVIDE (1) #4 VERTICAL INTO CORE OF ICF WALL AT 24" O.C., TYP. AT EXTERIOR WALL.
4. SEE JAMB REINFORCING SCHEDULE ON SHEET S3.10 FOR REINFORCEMENT OF OPENINGS CRITERIA.
5. VERIFY ALL DIMENSIONS AND WALL OPENING LOCATIONS WITH ARCHITECTURAL DOCUMENTS AND EQUIPMENT PURCHASED PRIOR TO FABRICATION OF REINFORCING STEEL OR CONSTRUCTION OF WALL.
6. COORDINATE ALL SLAB PENETRATIONS, FLOOR DRAINS AND OPENINGS WITH M/E/P/F & CIVIL DOCUMENTS.
7. COORDINATE SLAB JOINTS WITH FLOOR TILE JOINT LOCATIONS AT 12' O.C. MAX EACH DIRECTION (45 deg. angle).
8. ALL EXTERIOR CONCRETE SLABS AND PEDESTRIAN PADS SHALL RECEIVE A LIGHT BROOM FINISH UNLESS OTHERWISE NOTED.
9. FOR RADON MITIGATION, THE CONTRACTOR SHALL FULLY SEAL ALL INTERIOR SLAB EDGES, JOINTS AND PENETRATIONS WITH A SEALANT COMPATIBLE WITH ADJACENT MATERIALS. RESULTANT CONDITION SHALL CONFORM TO STANDARDS AND REGULATIONS ESTABLISHED FOR RADON MITIGATION IN BUILDINGS.
10. SOILS UNDER SLAB SHALL BE COMPACTED TO A MINIMUM 95% PROCTER DENSITY.

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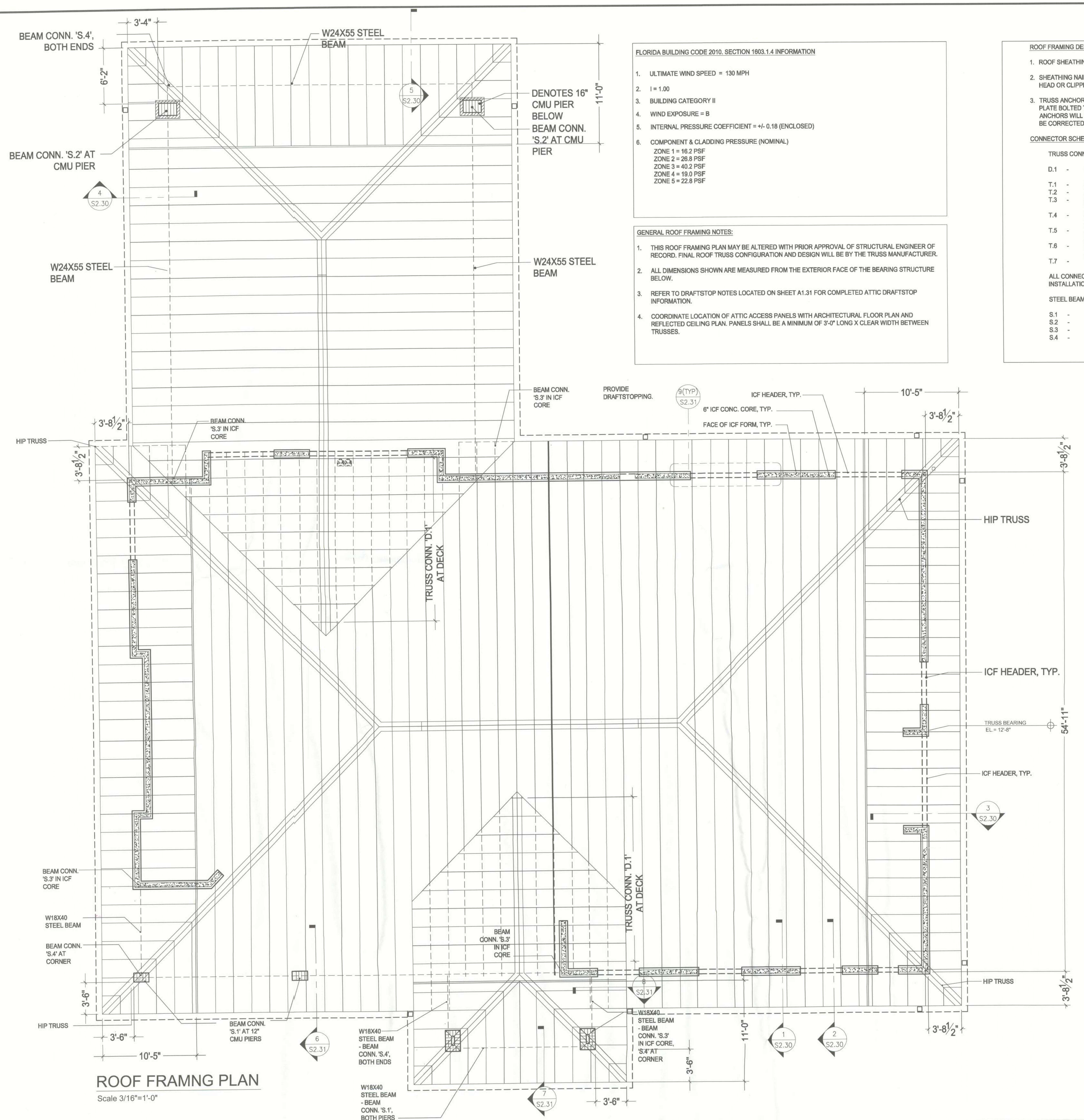
JOB NO.	DRAWN	DATE	SCALE	SHT.
13-621A	rt	5.14.2013	3/16"=1'-0"	S 1.11 (Foundaiton/Slab Plan)



ROOF FRAMNG PLAN

Scale 3/16"=1'-0"

FLORIDA BUILDING CODE 2010. SECTION 1603.1.4 INFORMATION

1. ULTIMATE WIND SPEED = 130 MPH
2. I = 1.00
3. BUILDING CATEGORY II
4. WIND EXPOSURE = B
5. INTERNAL PRESSURE COEFFICIENT = +/- 0.18 (ENCLOSED)
6. COMPONENT & CLADDING PRESSURE (NOMINAL)
   ZONE 1 = 16.2 PSF
   ZONE 2 = 26.8 PSF
   ZONE 3 = 40.2 PSF
   ZONE 4 = 19.0 PSF
   ZONE 5 = 22.8 PSF

GENERAL ROOF FRAMING NOTES:

1. THIS ROOF FRAMING PLAN MAY BE ALTERED WITH PRIOR APPROVAL OF STRUCTURAL ENGINEER OF RECORD. FINAL ROOF TRUSS CONFIGURATION AND DESIGN WILL BE BY THE TRUSS MANUFACTURER.
2. ALL DIMENSIONS SHOWN ARE MEASURED FROM THE EXTERIOR FACE OF THE BEARING STRUCTURE BELOW.
3. REFER TO DRAFTSTOP NOTES LOCATED ON SHEET A1.31 FOR COMPLETED ATTIC DRAFTSTOP INFORMATION.
4. COORDINATE LOCATION OF ATTIC ACCESS PANELS WITH ARCHITECTURAL FLOOR PLAN AND REFLECTED CEILING PLAN. PANELS SHALL BE A MINIMUM OF 3'-0" LONG X CLEAR WIDTH BETWEEN TRUSSES.

ROOF FRAMING DESIGN NOTES

1. ROOF SHEATHING: 5/8" PLYWOOD (SEE SPECIFICATION)
2. SHEATHING NAILS: 8d COMMON OR 0.131" DIAMETER X 2-1/4" MINIMUM LENGTH POWER NAILS (FULL HEAD OR CLIPPED HEAD) AT 6" O.C. AT SHEET EDGES AND 6" O.C IN SHEET FIELD.
3. TRUSS ANCHORS: TRUSS ANCHORS ARE EMBEDDED IN CONCRETE OR FASTENED TO DOUBLE 2X8 PLATE BOLTED TO STEEL BEAM, AND SHALL BE ACCURATELY LOCATED. MISPLACED OR MISSING ANCHORS WILL REQUIRE REMEDIAL ACTION DECIDED UPON BY THE ENGINEER OF RECORD, AND WILL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

CONNECTOR SCHEDULE

TRUSS CONNECTORS: (COORDINATE WITH TRUSS WIDTH, TYPICAL)

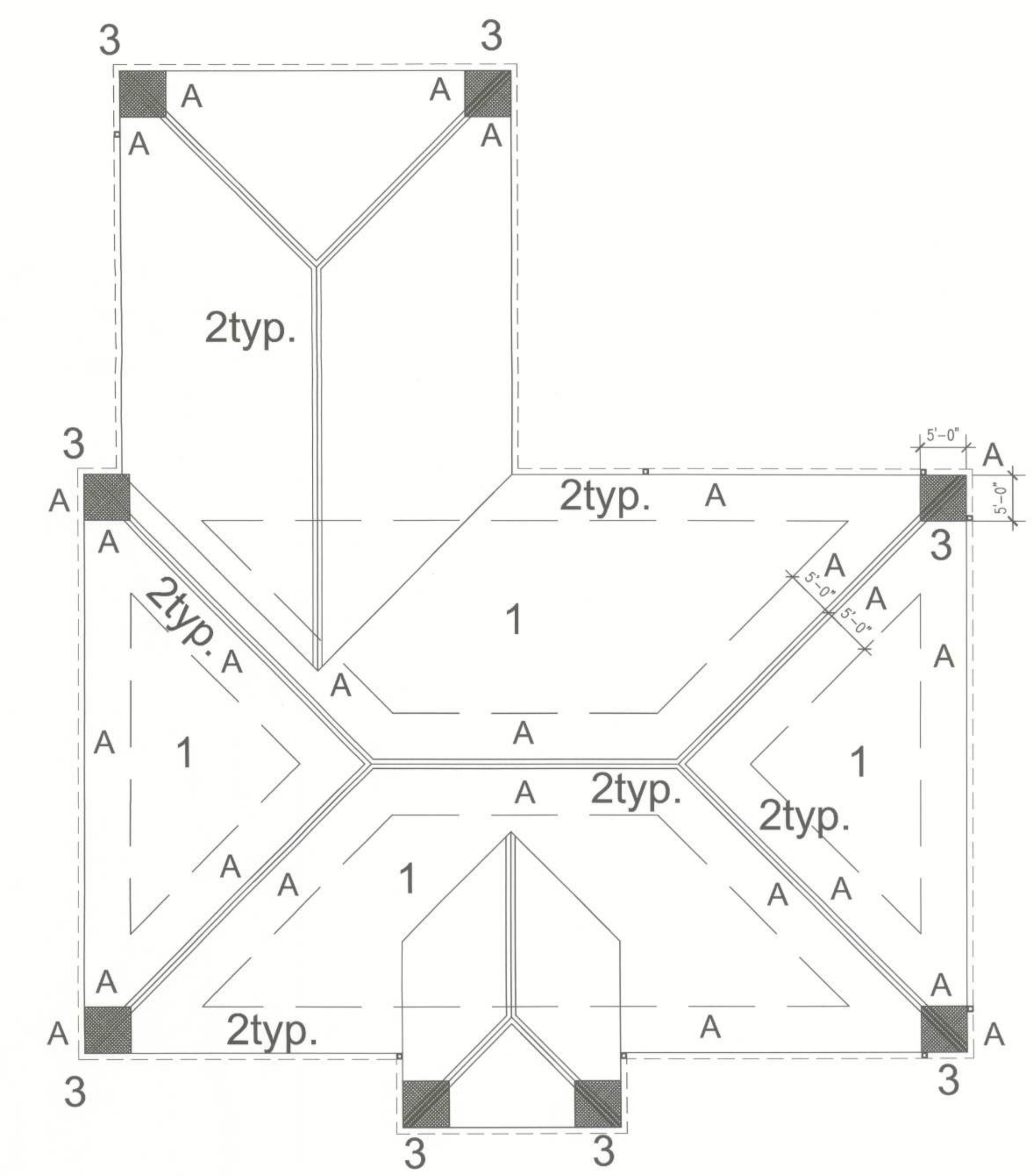
D.1 - UPLIFT UP TO 250# AT DECK: USE SIMPSON VTC2 AT 2'-0" O.C.

T.1 - UPLIFT UP TO 1810#: USE SIMPSON HETA20 WITH (9) 10d X 1 1/2" NAILS.
T.2 - UPLIFT UP TO 2035# (1 PLY TRUSS): USE (2) SIMPSON HETA20, ONE EA. SIDE OF TRUSS.
T.3 - UPLIFT UP TO 2500# (2 OR 3 PLY TRUSS): USE SIMPSON HETA20, ONE EA. SIDE OF TRUSS.
T.4 - UPLIFT OVER 2500#: FOR 2 PLY TRUSS, USE SIMPSON HGT-2, WITH (2) 3/4" ALLTHREAD RODS SET 7" INTO EPOXY. (MAX. UPLIFT = 10980#).
T.5 - UPLIFT OVER 2500#: FOR 3 PLY TRUSS, USE SIMPSON HGT-3, WITH (2) 3/4" ALLTHREAD RODS SET 7" INTO EPOXY. (MAX. UPLIFT = 10503#).
T.6 - UPLIFT OVER 3980#: FOR 4 PLY TRUSS, USE SIMPSON HGT-4, WITH (2) 3/4" ALLTHREAD RODS SET 7" INTO EPOXY. (MAX. UPLIFT = 9250#).
T.7 - TRUSS TO WOOD FRAME: USE SIMPSON H10.

ALL CONNECTION HARDWARE IS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

STEEL BEAM CONNECTORS: (COORDINATE WITH BEAM WIDTH, TYPICAL)

S.1 - STEEL BEAM AT CONC. PIER: WELD TO 6"X12"X5/8" STEEL IMBED PLATE.
S.2 - STEEL BEAM AT CONC. PIER: WELD TO 12"X16"X5/8" STEEL IMBED PLATE.
S.3 - STEEL BEAM AT POCKET: WELD TO 6"X12"X5/8" STEEL IMBED PLATE IN POCKET.
S.4 - STEEL BEAM AT STEEL BEAM: WELD (2) L3"X3"X5/16"X18" BRACKETS TO WEB OF LONGER SPAN BEAM AND THRU-BOLT WEB OF SHORTER SPAN BEAM TO BRACKETS USING (5) 3/4"Ø BOLTS.



ROOF ZONE PLAN

A = 5'

ALL OTHER ZONES = 2

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THOMAS SPUTO LICENSE No. 39142 STATE OF FLORIDA PROFESSIONAL ENGINEER

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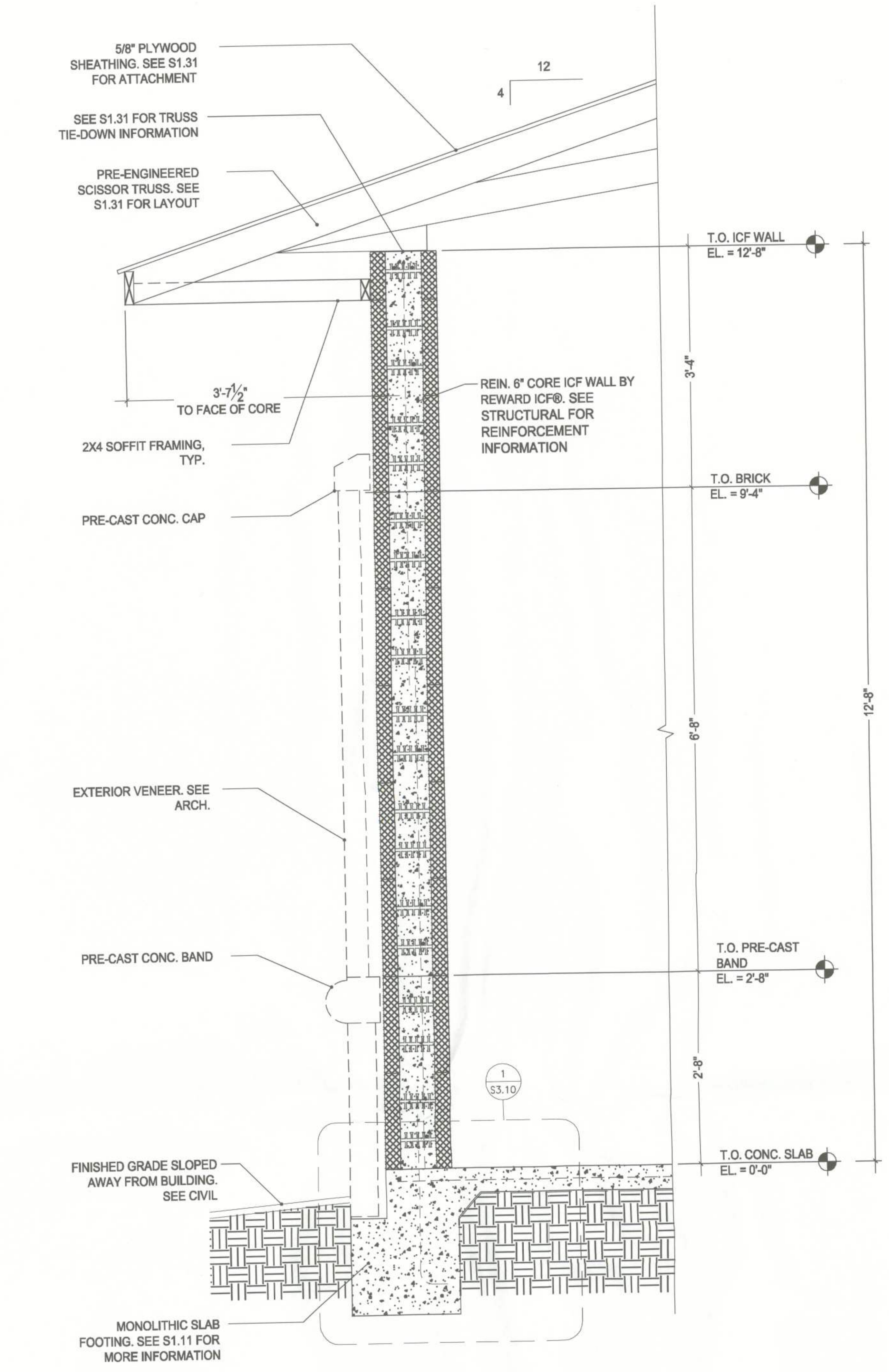
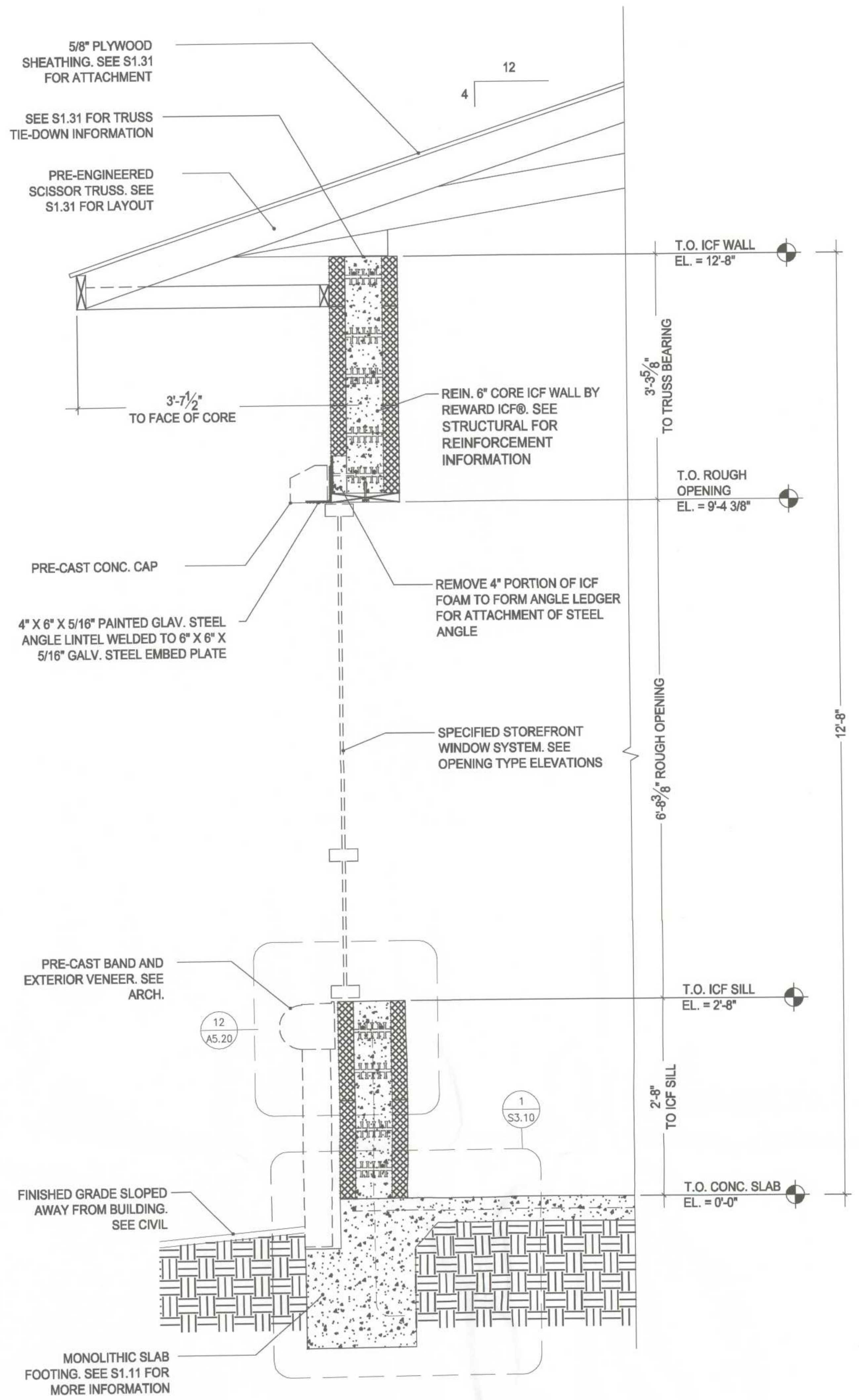
JOB NO.	13-621A
DRAWN	rt
DATE	5.14.2013
SCALE	3/16"=1'-0"
SHT.	S 1.31 (RFP)



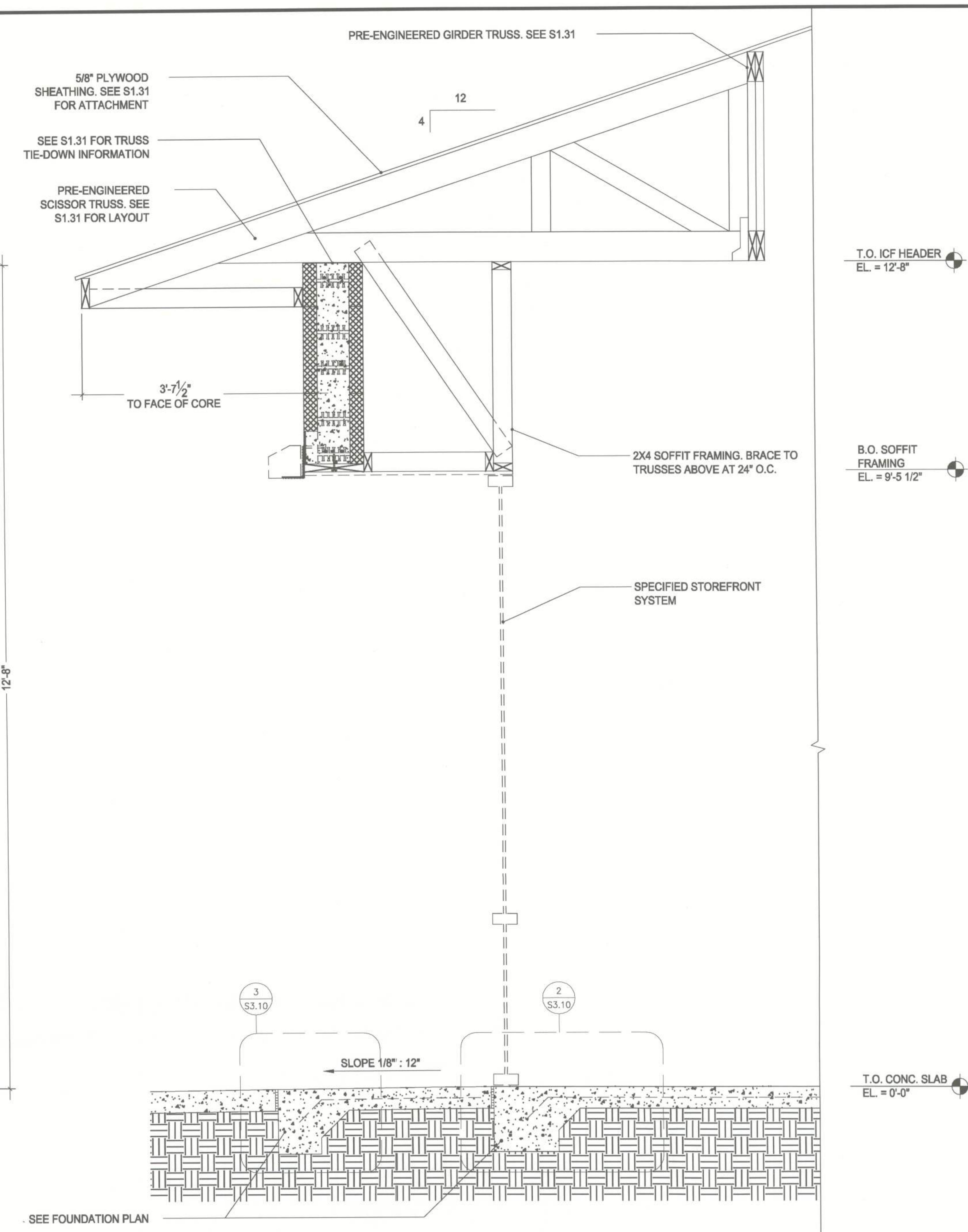
1 WALL SECTION

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



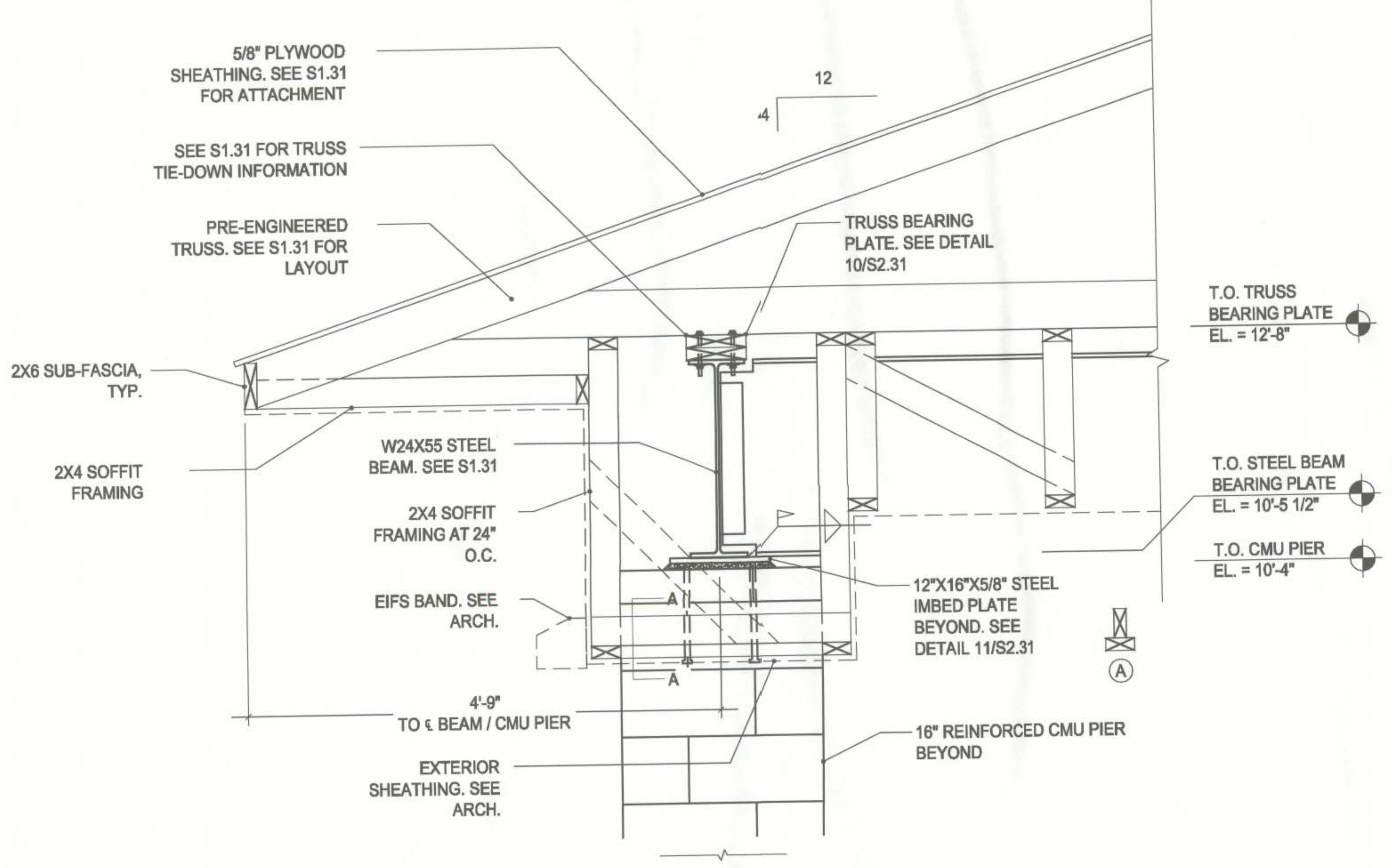
2 STRUCTURAL WALL SECTION

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



3 STRUCTURAL WALL SECTION

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



4 STRUCTURAL ROOF SECTION

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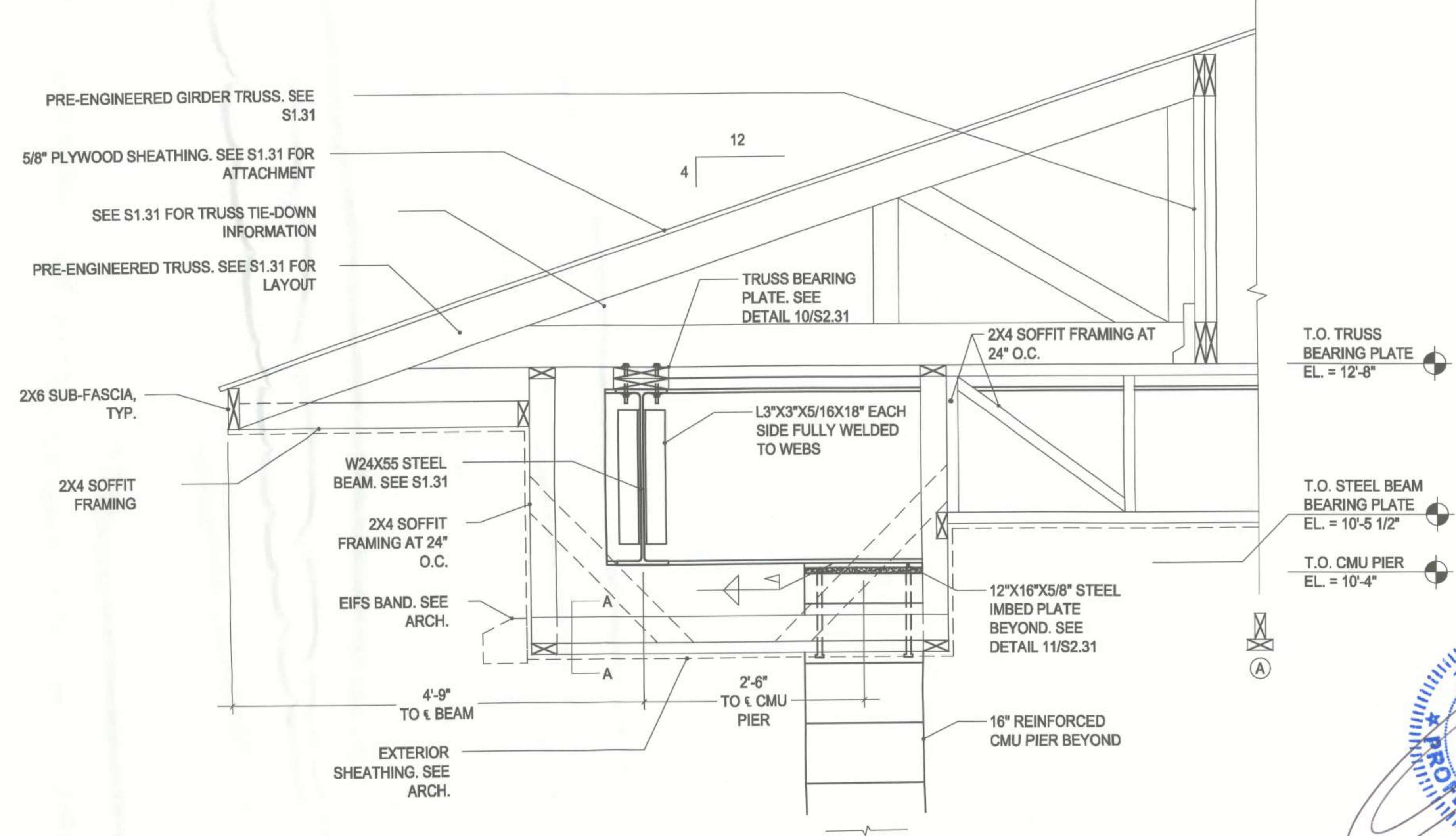

5 STRUCTURAL ROOF SECTION

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

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1678 W. US Highway 90
LAKE CITY, Florida

NO.	DATE	REVISION

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GAINESVILLE, FL 352-371-1417
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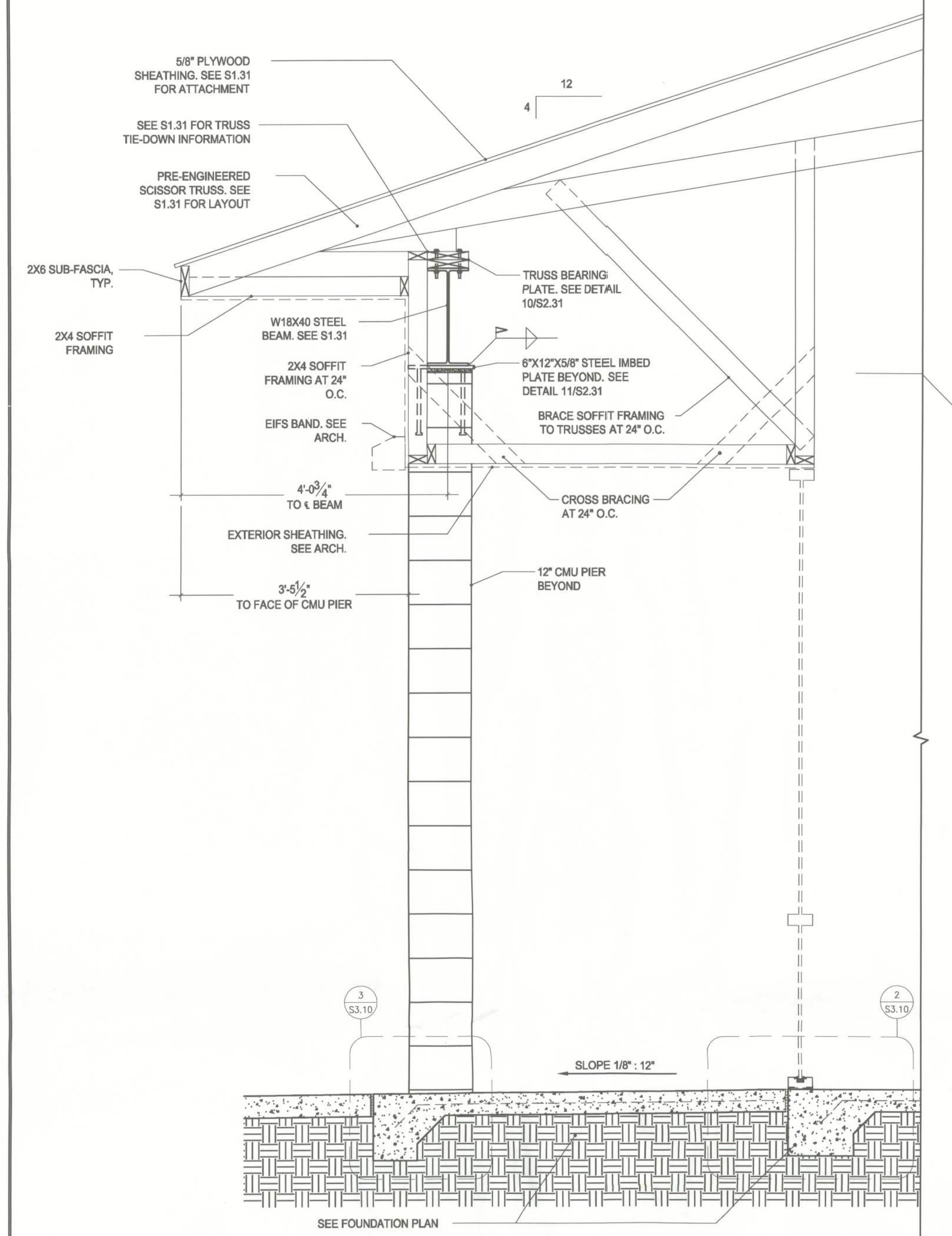
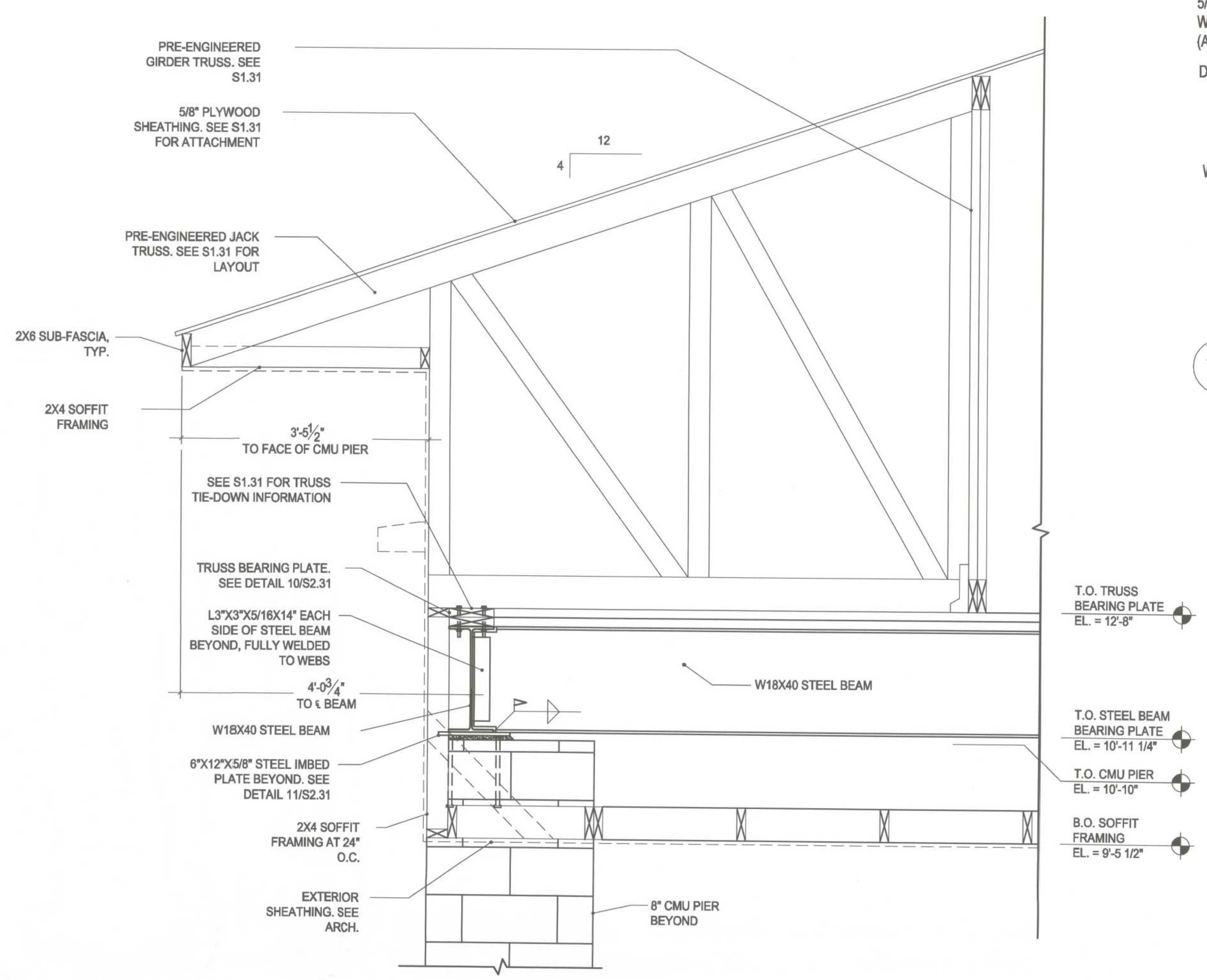
800-741-3188

JOB NO.	13-621A
DRAWN	rt
DATE	5.14.2013
SCALE	3/4"=1'-0"
SHT.	S2.30 (WALL SECTIONS)



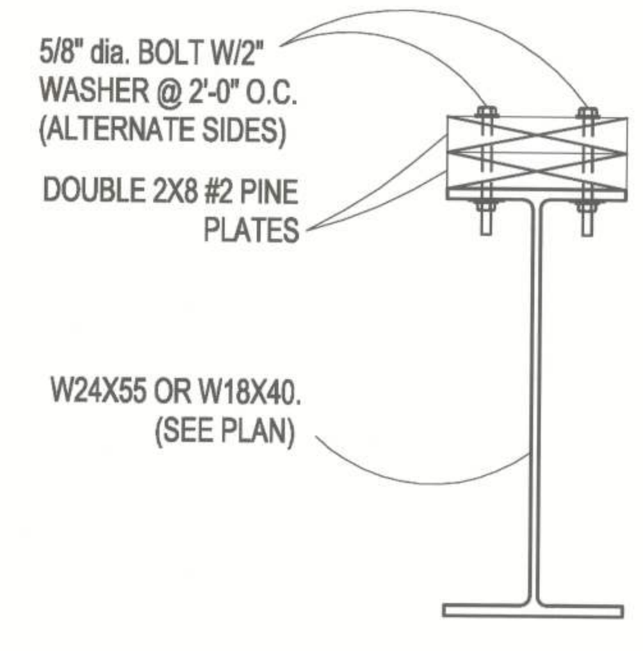
6 WALL SECTION

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



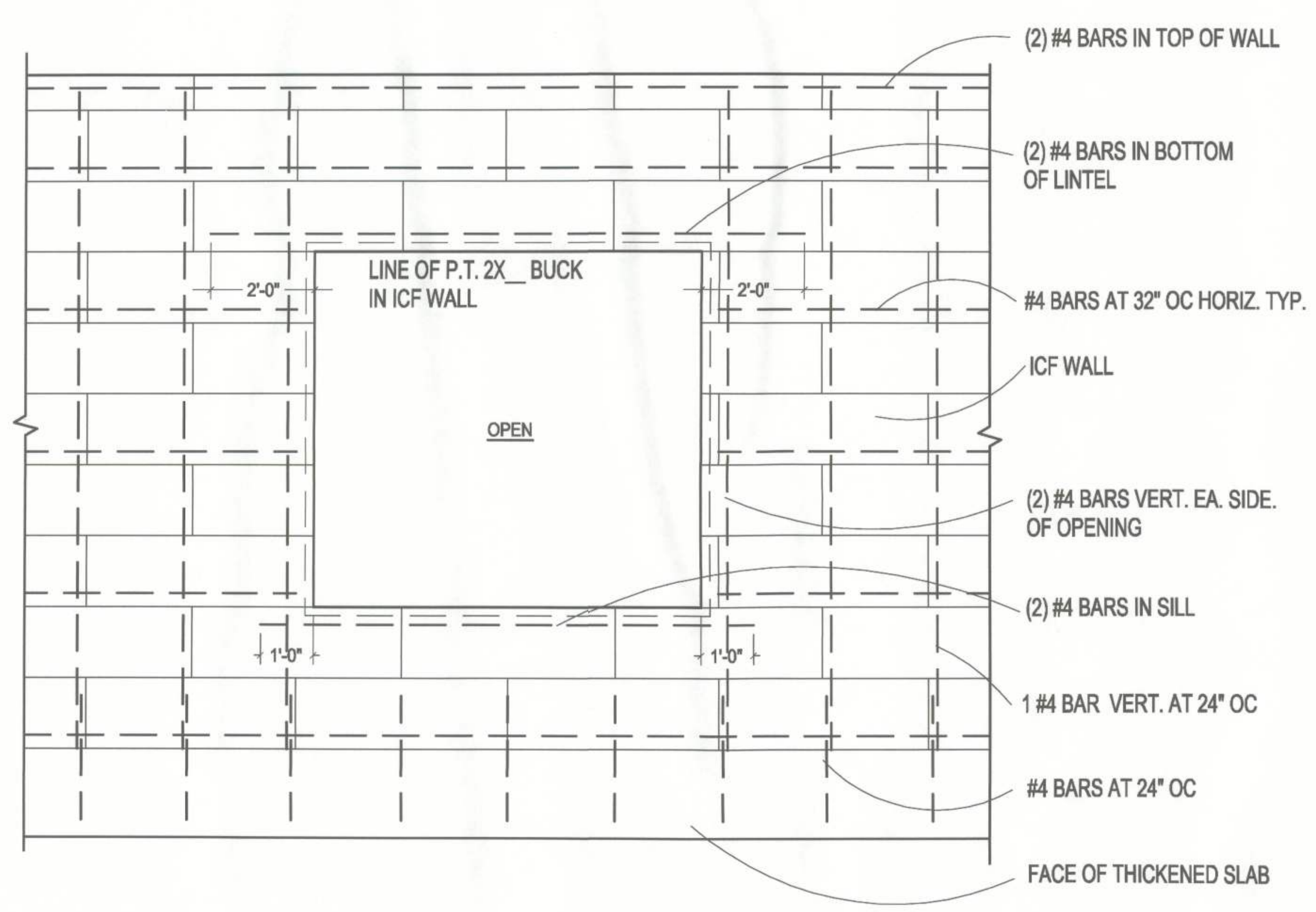
7 STRUCTURAL ROOF SECTION

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



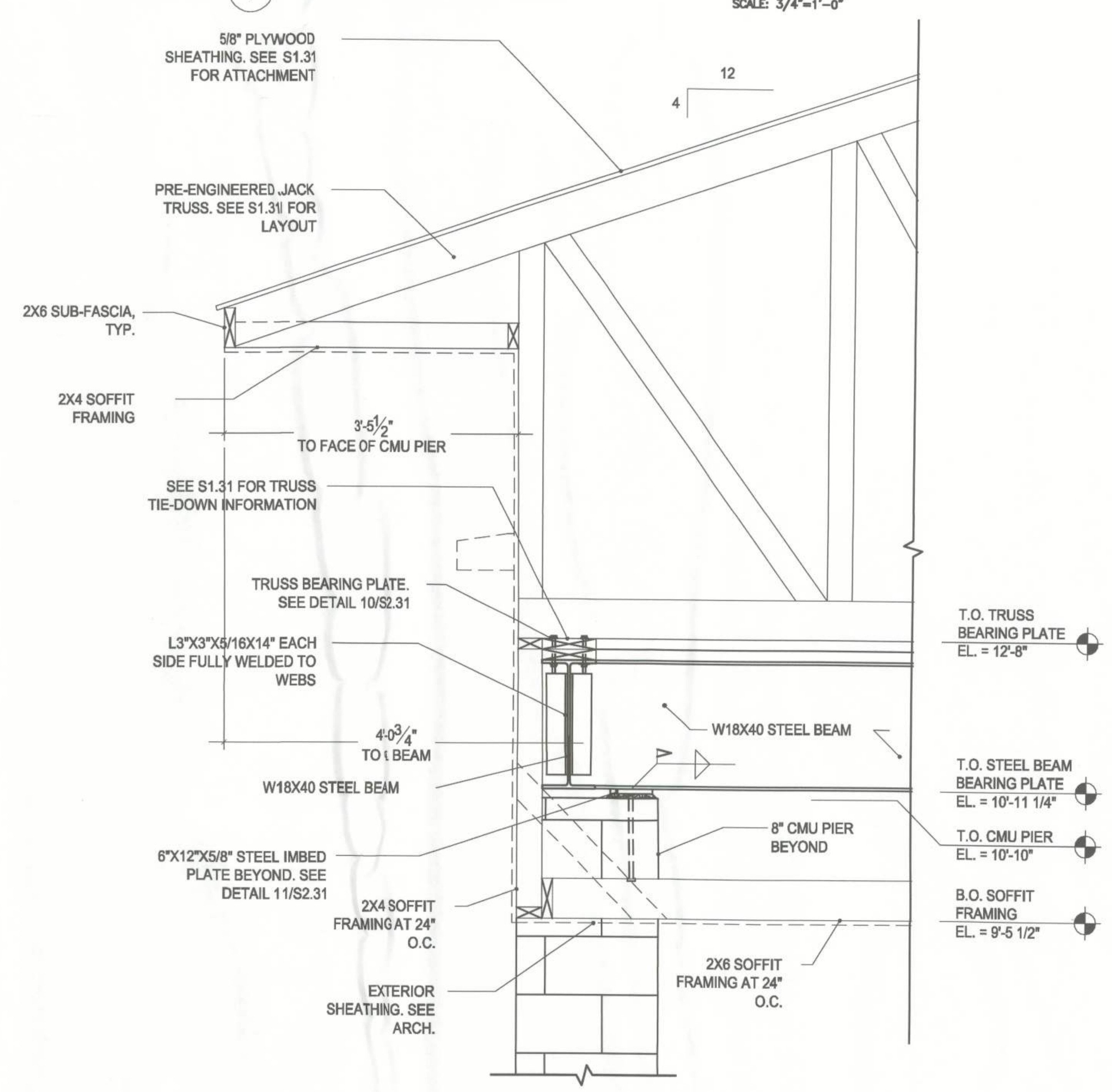
10 BEARING PLATE DETAIL

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



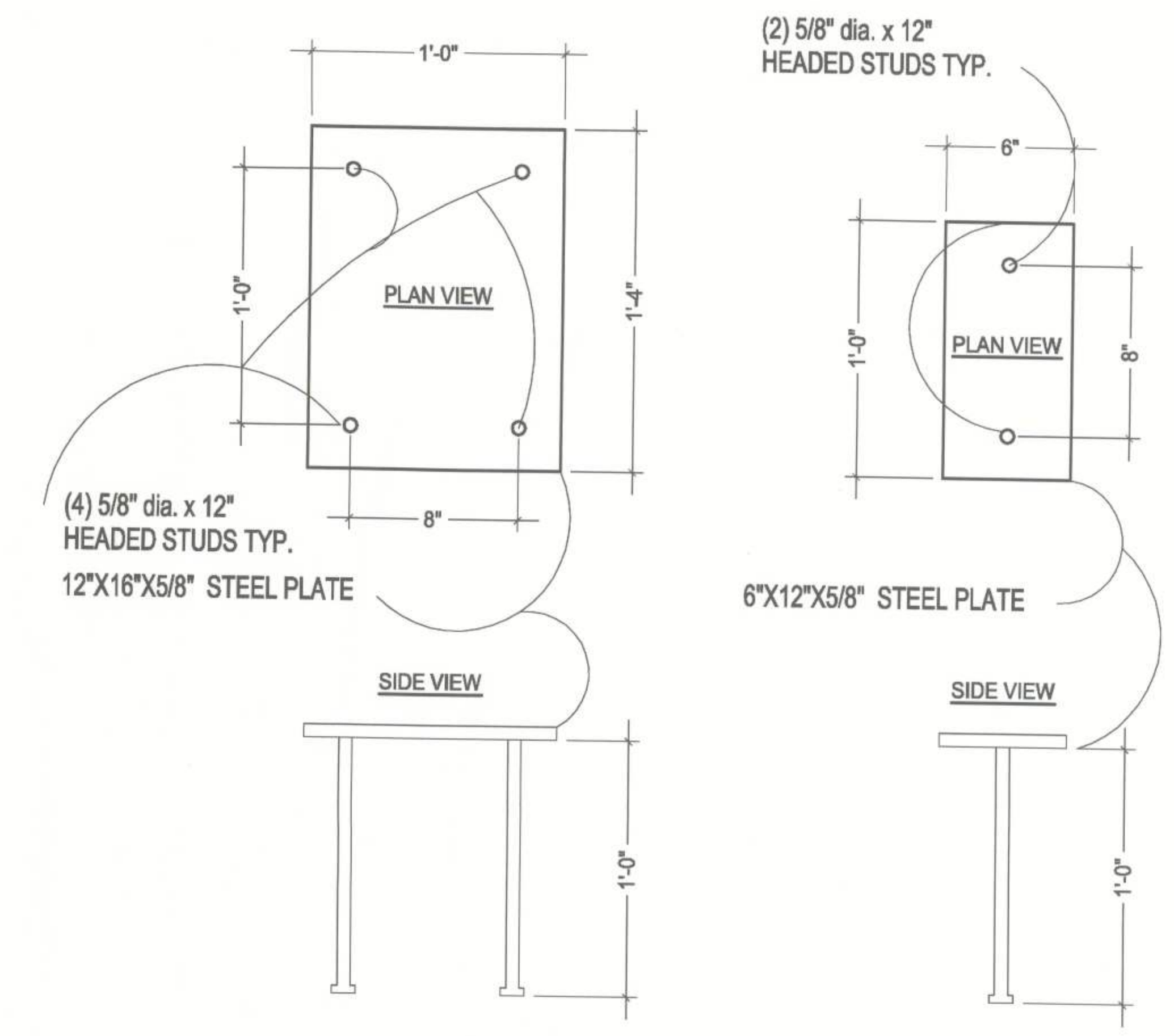
9 TYPICAL OPENING REINFORCEMENT DETAIL

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



8 STRUCTURAL ROOF SECTION

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



11 IMBED STEEL BEARING PLATE DETAIL

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

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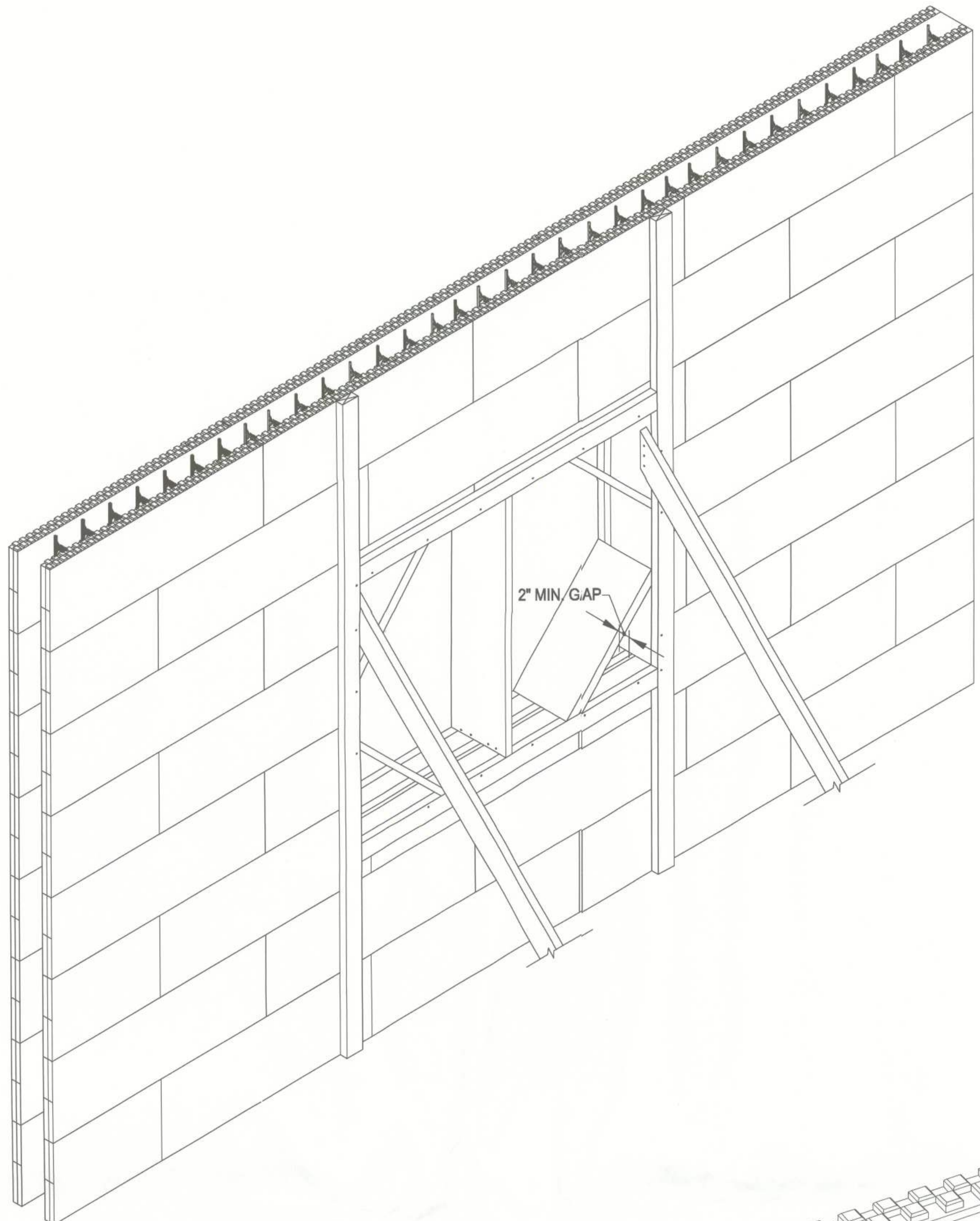
DATE 5.14.2013
SCALE 3/4"=1'-0"
SHT. S2.31 (WALL SECTIONS)

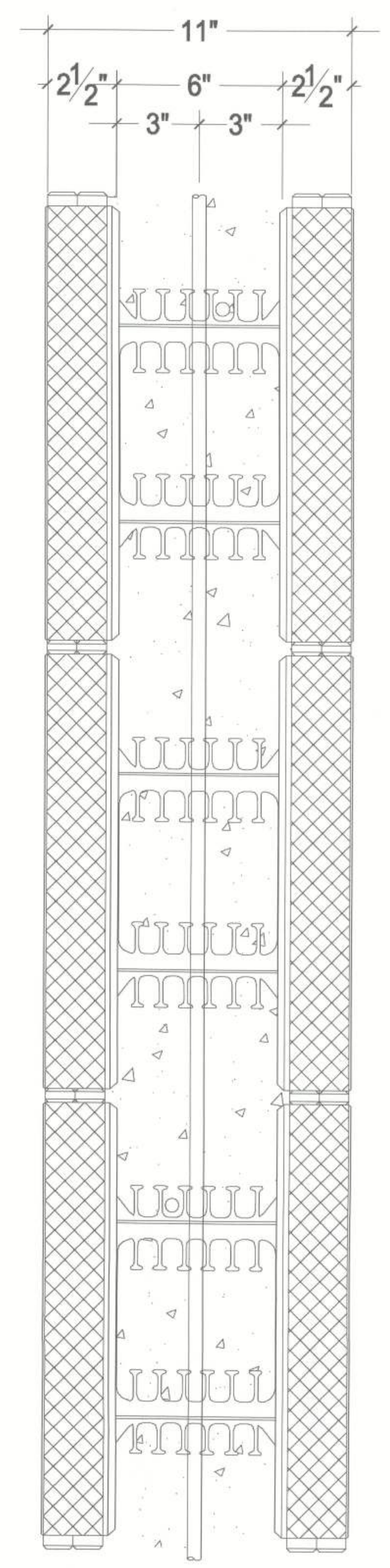


WINDOW BUCK INSTALLATION PROCEDURE:

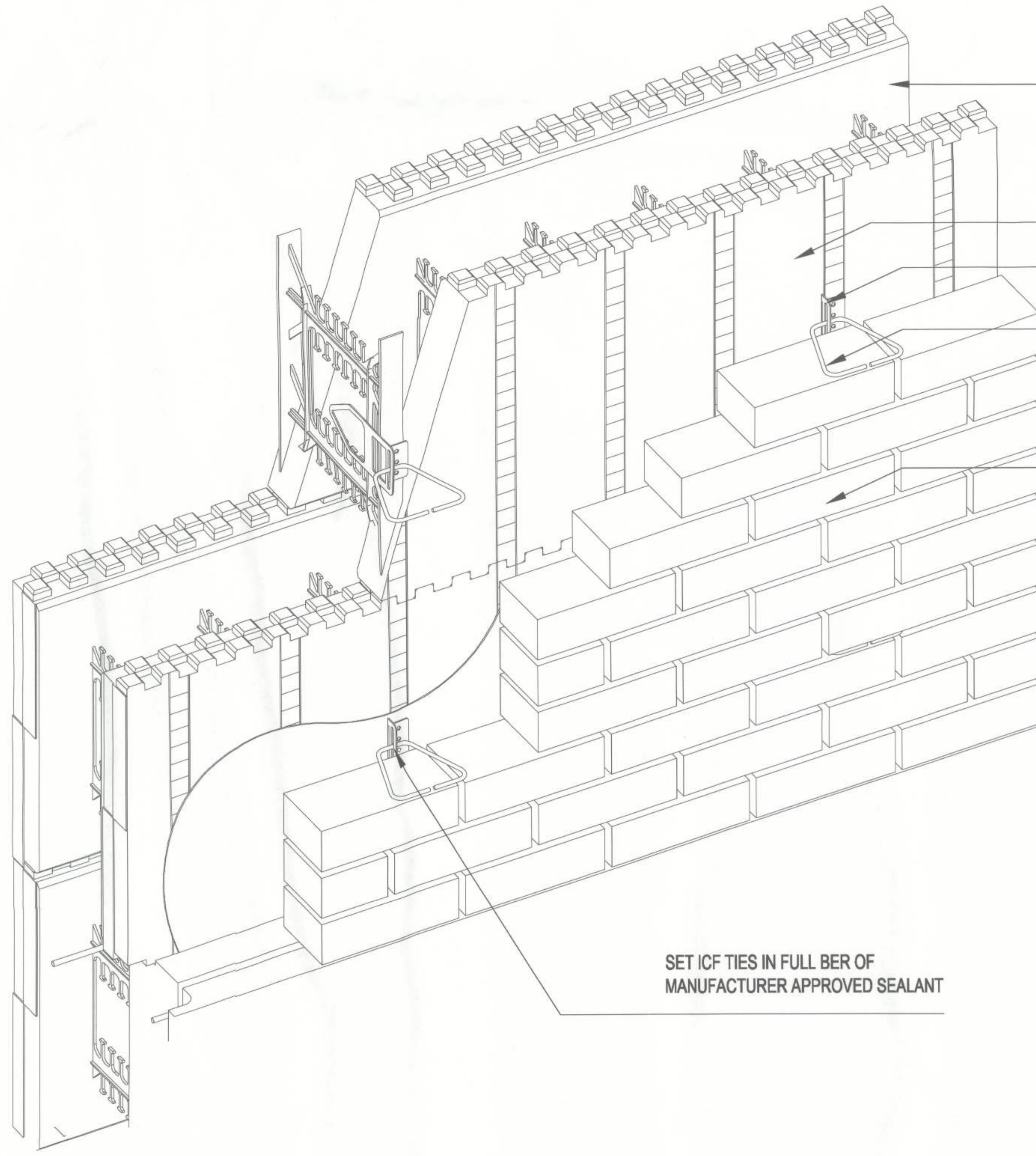
1. DETERMINE THE ROUGH-OPENING SIZE OF THE WINDOW BEING INSTALLED. THE ACTUAL OPENING IN THE FORM MATERIAL IS CALCULATED BY ADDING TWICE THE THICKNESS OF THE FRAMING MEMBERS TO THE ROUGH-OPENING HEIGHT AND WIDTH OF THE WINDOW. FOR EXAMPLE, IF 2X FRAMING MATERIAL IS USED, ADD THREE (3) INCHES TO THE WINDOW ROUGH-OPENING HEIGHT AND WIDTH.
2. CAREFULLY LOCATE AND LAY-OUT THE OPENING ON THE FORM MATERIAL AT THE DESIRED LOCATION.
3. CONSTRUCT THE WINDOW BUCK AS ILLUSTRATED (CCA TREATED LUMBER) OUT OF STRAIGHT, NON-BOWED, CROWNED, OR TWISTED MATERIAL. NOTE THAT THE BOTTOM OF THE WINDOW BUCK IS CONSTRUCTED OF TWO MEMBERS TO ALLOW A MINIMUM TWO (2) INCH GAP. THIS GAP WILL ALLOW THE FORMS BELOW THE WINDOW OPENING TO BE FILLED WITH CONCRETE.
4. INSTALL THE WINDOW BUCK FRAMING. PROVIDE ANCHOR BOLTS OR OTHER MEANS TO ADEQUATELY ATTACH THE WINDOW BUCK TO THE CONCRETE AND STACK THE FORMS TO AND AROUND THE BUCK.
5. STRAIGHTEN AND SQUARE THE WINDOW BUCK AND PROVIDE TEMPORARY SUPPORT AND BLOCKING MEMBERS AS REQUIRED BY OPENING SIZE AND CONCRETE LOAD. CORNER GUSSETS OR OTHER MEANS OF MAINTAINING SQUARENESS SHOULD BE PROVIDED. VERTICAL AND HORIZONTAL WALL OPENING SUPPORTS RECOMMENDED EVERY 2 TO 3 FEET.
6. ADD WALL BRACING TO THE WINDOW OPENING TO KEEP THE WALL FORMS STRAIGHT AND PLUMB.
7. THE FORM EDGES ADJACENT TO THE WINDOW BUCK MAY BE SEALED WITH DUCT TAPE TO AVOID BLEED WATER SEEPAGE DURING THE FORM FILLING PROCESS.
8. AFTER THE CONCRETE HAS CURED, ALL TEMPORARY SUPPORT AND BRACING MEMBERS CAN BE REMOVED.

GENERAL NOTES:

A. A WINDOW OPENING IS SHOWN BUT A DOOR OPENING IS FRAMED IN A SIMILAR MANNER.
B. LATERAL WALL BRACING AND WINDOW BUCK SUPPORT MEMBERS ARE SHOWN FOR ILLUSTRATION ONLY. ACTUAL BRACING AND SUPPORT CONFIGURATION WILL DEPEND ON THE REQUIREMENTS OF THE SPECIFIC OPENING.



CENTER



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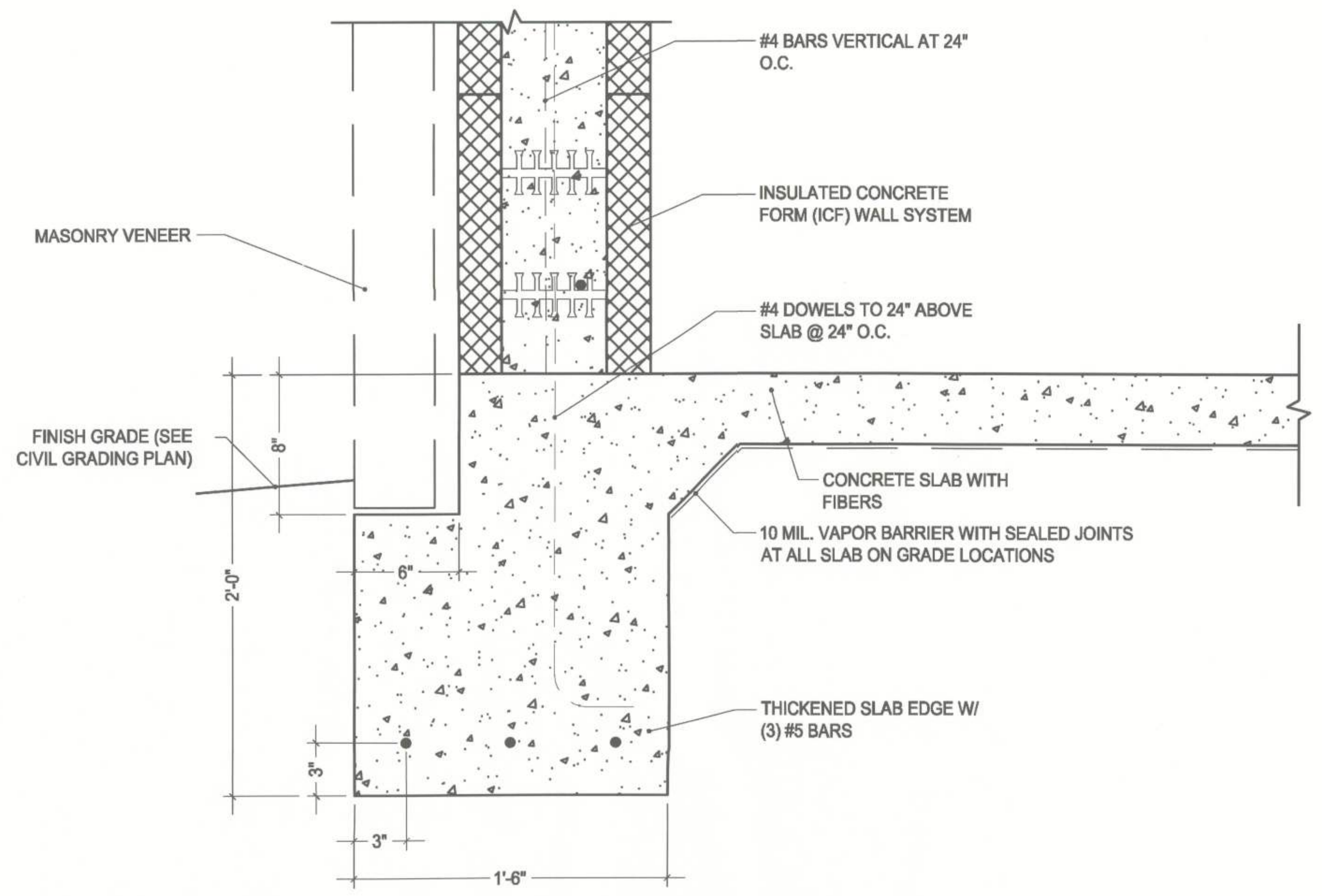
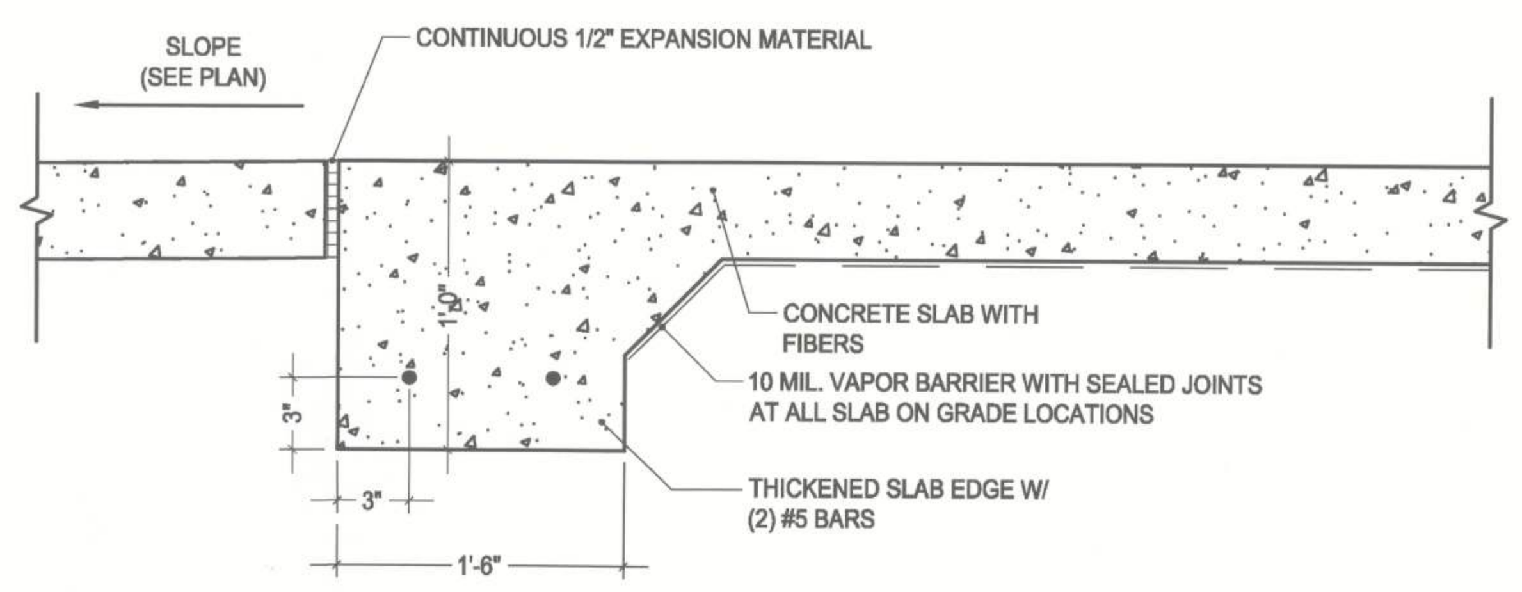
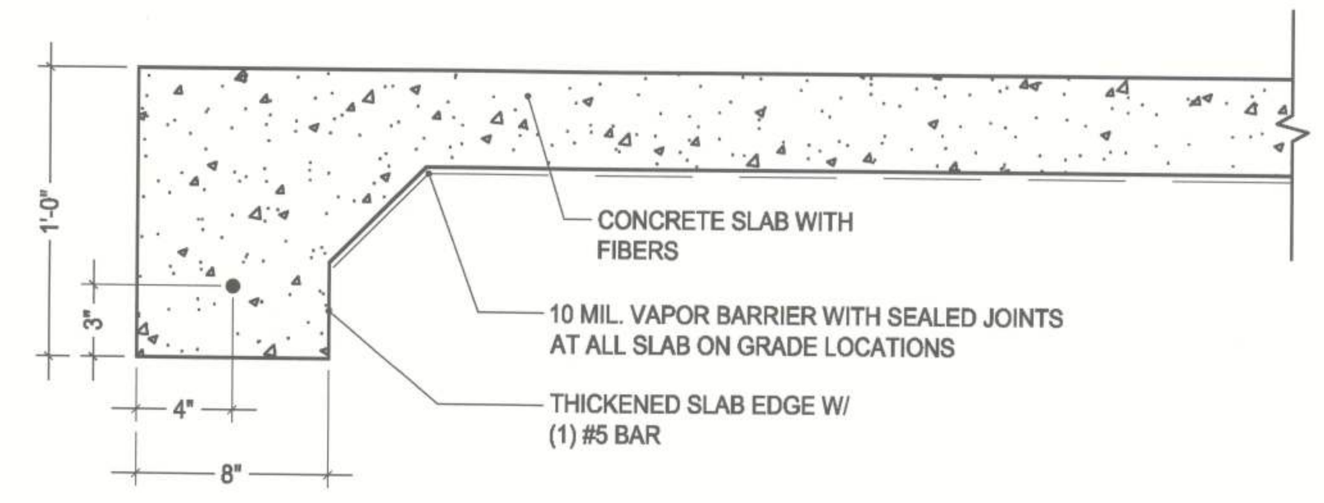
SHT. S2.32 (ICF DETAILS)



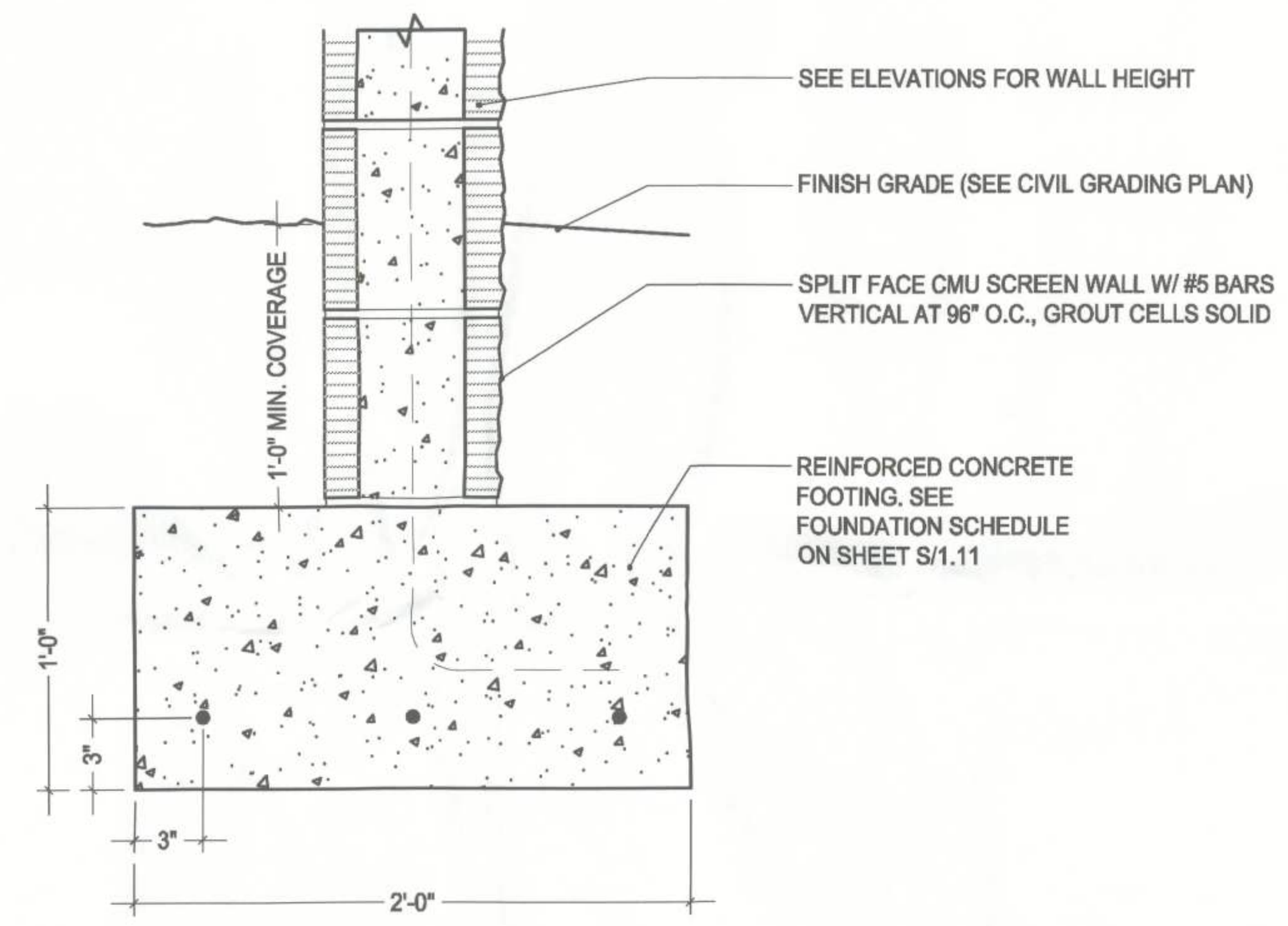
1 MONO FOOTING DETAIL (F1)
SCALE: 1 1/2"=1'-0"



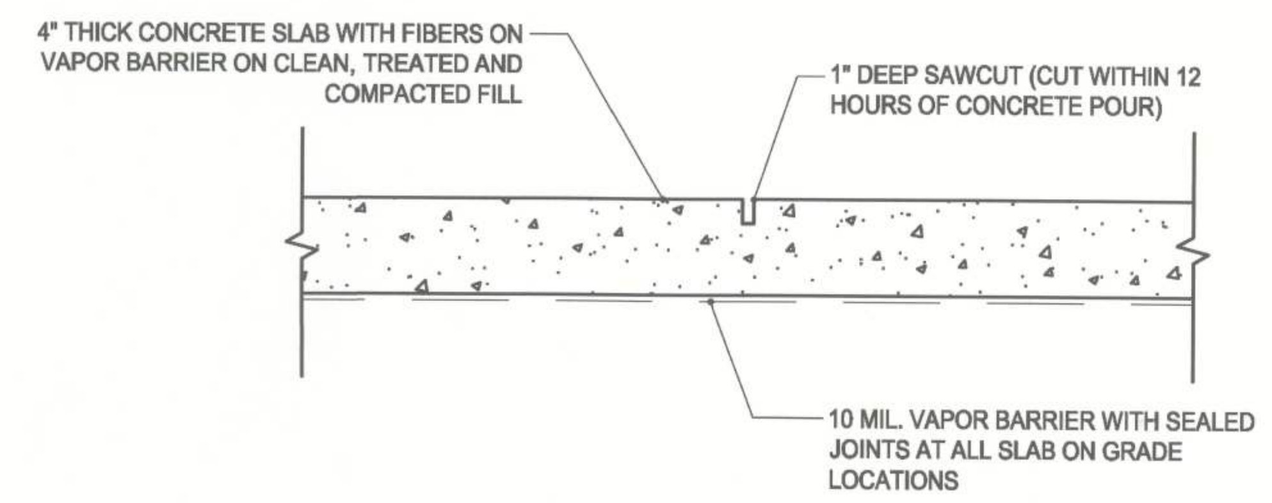
2 MONO FOOTING DETAIL (F2)
SCALE: 1 1/2"=1'-0"



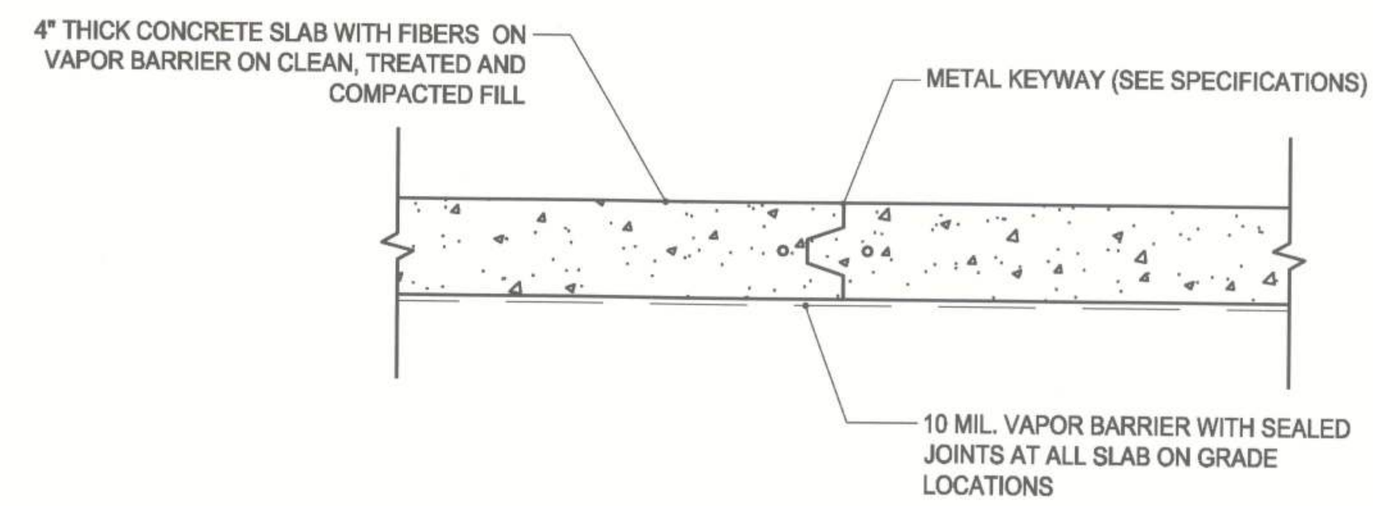
3 MONO FOOTING DETAIL (F3)
SCALE: 1 1/2"=1'-0"



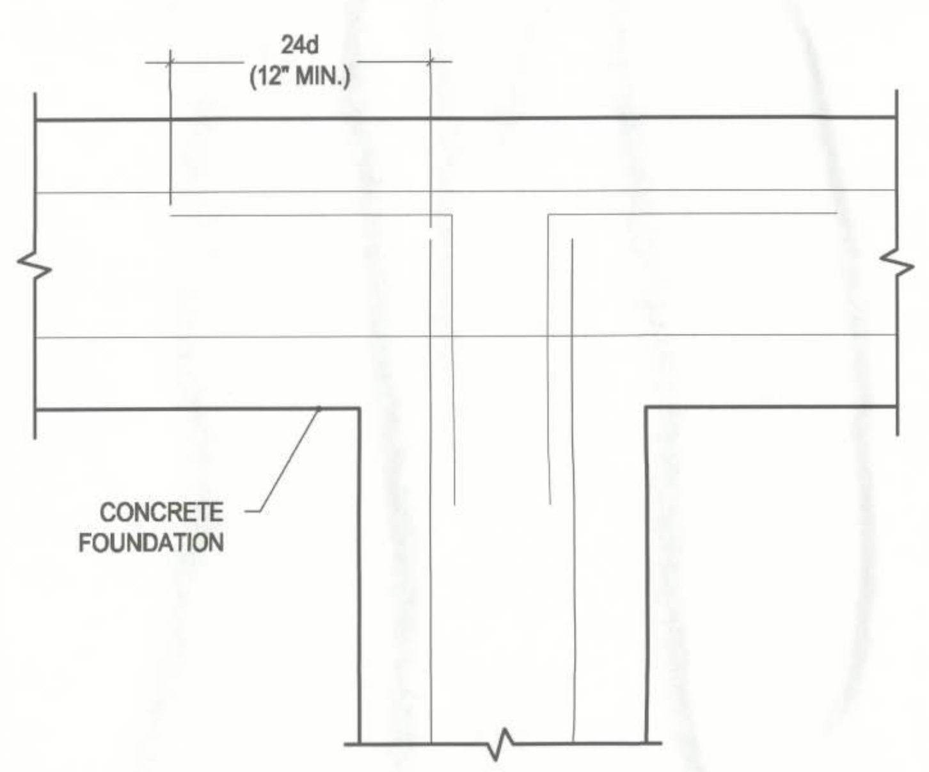
4 FOOTING DETAIL (F4)
SCALE: 1 1/2"=1'-0"



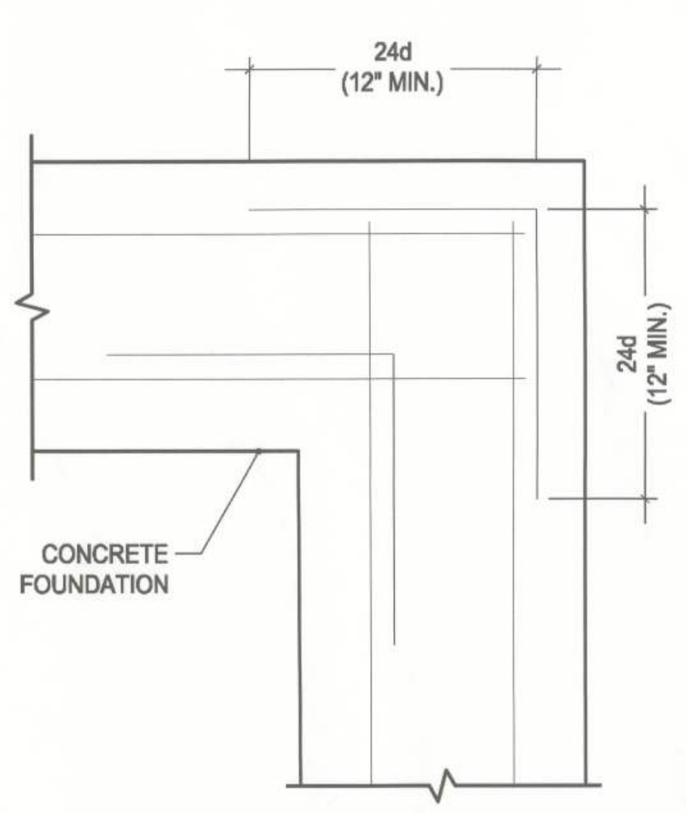
5 SLAB CRACK CONTROL JOINT DETAIL
SCALE: 1 1/2"=1'-0"



6 SLAB CRACK CONTROL JOINT DETAIL
SCALE: 1 1/2"=1'-0"



TEE CONDITION PLAN

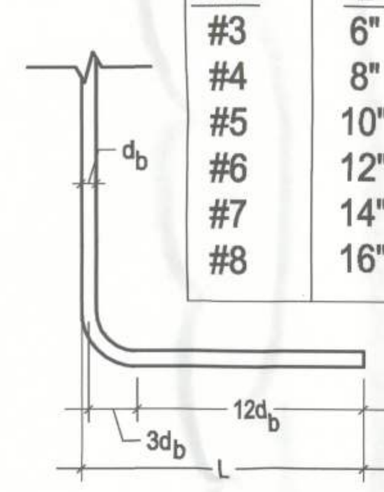


CORNER CONDITION PLAN

1. d = NOMINAL BAR DIAMETER
2. PLACE ALL BENDS HORIZONTALLY
3. SPLICE LENGTHS ARE TYPICAL UNLESS OTHERWISE SHOWN OR NOTED
4. SPLICES SHALL BE STAGGERED WHERE POSSIBLE

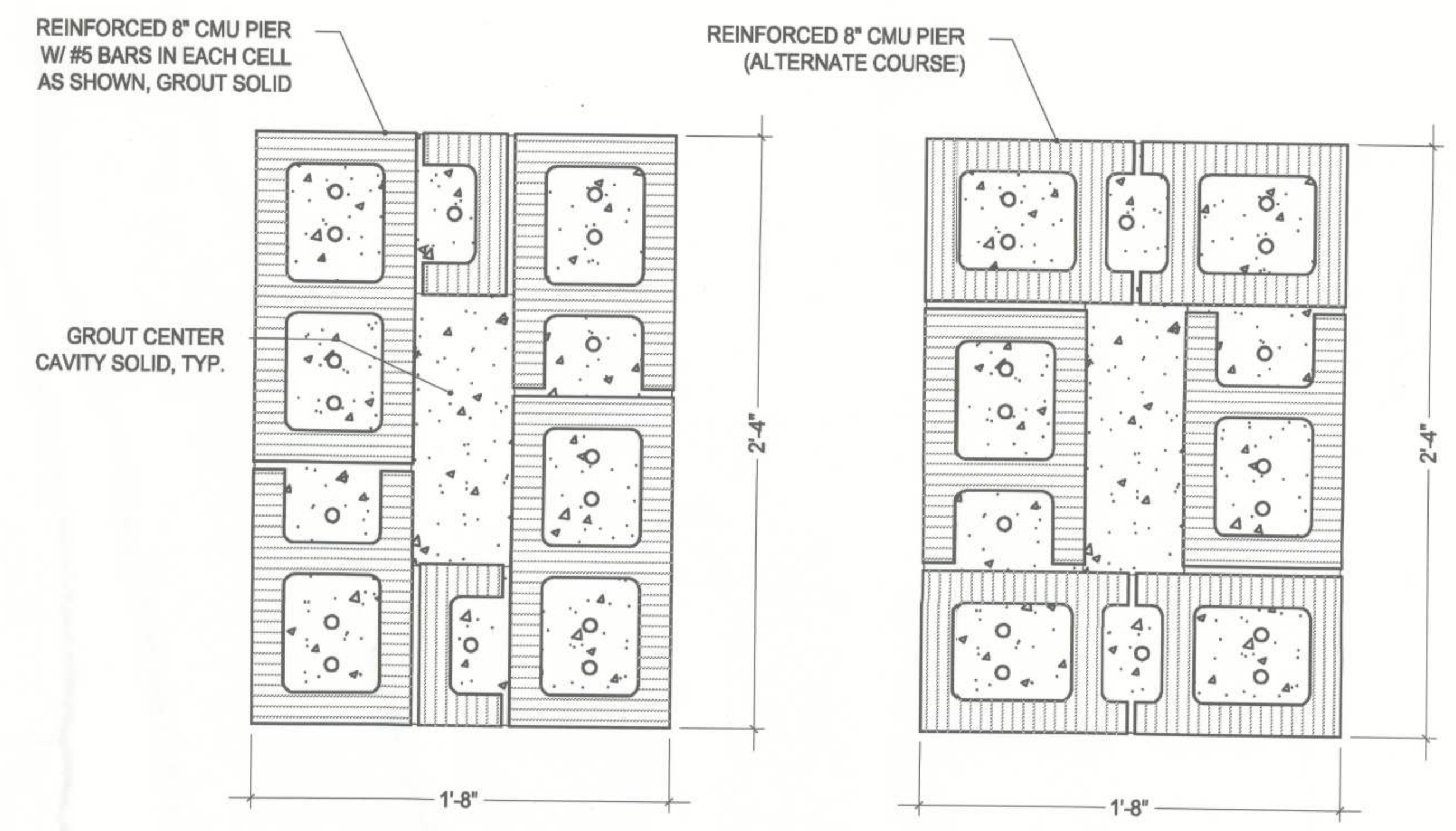
BAR SIZE	SPLICE LENGTH
#4	2'-0"
#5	2'-6"
#6	3'-0"

7 REBAR LAP DETAIL
SCALE: 1 1/2"=1'-0"

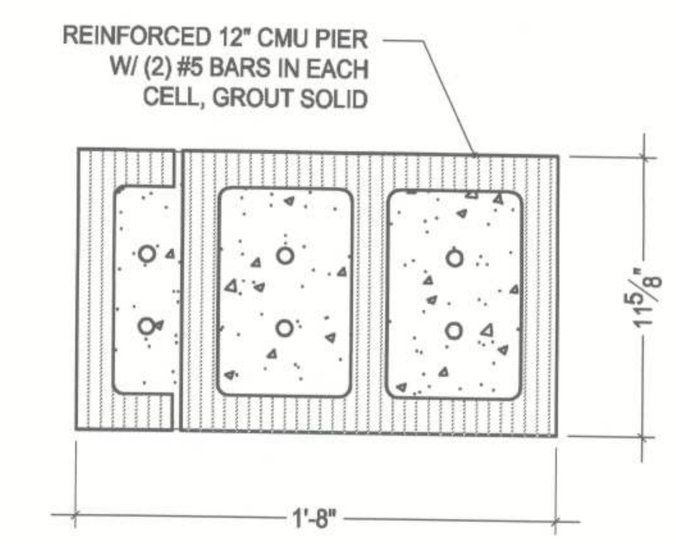


BAR	"L"
#3	6"
#4	8"
#5	10"
#6	12"
#7	14"
#8	16"

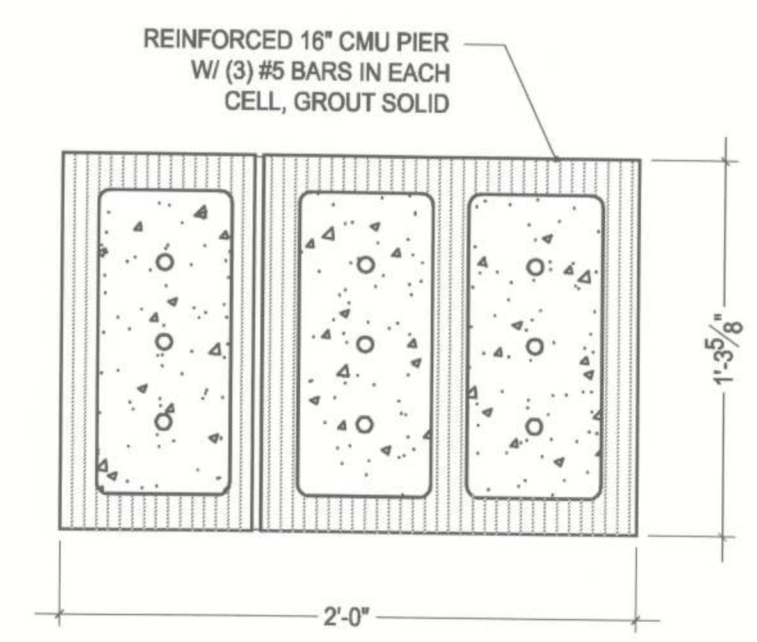
8 STANDARD HOOK DETAIL
SCALE: 1 1/2"=1'-0"



9 CMU PIER DETAILS
SCALE: 1 1/2"=1'-0"



10 CMU PIER DETAIL
SCALE: 1 1/2"=1'-0"



11 CMU PIER DETAIL
SCALE: 1 1/2"=1'-0"

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JOB NO. 13-621A
DRAWN rt
DATE 5.14.2013
SCALE 3/4"=1'-0"
SHT. S3.10 (FDP DETAILS)

SPLIT SYSTEM HEAT PUMP SCHEDULE

UNIT DESIGNATION:		
INDOOR UNIT	AHU-1	AHU-2
OUTDOOR UNIT	CU-1	CU-2
COOLING CAPACITY:		
TOTAL (MBH)	94	94
SENSIBLE (MBH)	63.2	63.2
MINIMUM EER	10.1	10.1
HEATING CAPACITY:		
TOTAL AT 47°F (MBH)	87.0	87.0
COP AT 47°F	3.3	3.3
INDOOR UNIT DATA:		
CFM	3000	3000
CFM OUTSIDE AIR	300	300
EXTERNAL S.P. (H2O)	0.25	0.25
FAN TYPE	CENTRIFUGAL	CENTRIFUGAL
FAN RPM	1725	1725
MOTOR HP	2	2
VOLTS / PHASE	208 / 3	208 / 3
MOCP	SEE NOTE 6	SEE NOTE 6
MCA	6.6	6.6
FAN FLA	5.3	5.3
ELECTRIC HEAT (KW) / STAGES	7.45 / 1	7.45 / 1
FILTER TYPE	THROWAWAY	THROWAWAY
NUMBER OF FILTERS	3	3
MANUFACTURER	TRANE	TRANE
MODEL NUMBER	TWE090	TWE090
OUTDOOR UNIT DATA:		
VOLTS / PHASE	208 / 3	208 / 3
MOCP	SEE NOTE 6	SEE NOTE 6
MCA	34.4	34.4
MANUFACTURER	TRANE	TRANE
MODEL NUMBER	TTA090D3	TTA090D3

NOTES:

1. PROVIDE TCS BASYS SZ1033 PROGRAMMABLE THERMOSTAT.
2. PROVIDE SHEET METAL SLIDE IN / OUT FILTER RACK.
3. PROVIDE SMOKE DETECTOR IN SUPPLY DUCTWORK.
4. THE SPECIFIED EER IS FOR THE HEAT PUMP AND AIR HANDLER TOGETHER.
5. REFER TO MECHANICAL SPECIFICATIONS FOR CONTROL SEQUENCES.
6. VERIFY ALL SCHEDULE INFORMATION WITH MECHANICAL CONTRACTOR.

DUCTLESS SPLIT UNIT SCHEDULE

UNIT DESIGNATION	AHU-3 / CU-3
SERVES	PHONE / DATA
INDOOR FAN:	
FLA	.33
CFM (HIGH)	425
VOLTS / PHASE / HERTZ	208 / 1 / 60
OUTDOOR UNIT:	
COMPRESSOR RLA / OUTDOOR FAN FLA	12 / 0.35
COMPRESSOR LRA	14
VOLTS / PHASE / HERTZ	208 / 1 / 60
SYSTEM:	
INDOOR COIL ENTERING AIR TEMP., °F (DB / WB)	80 / 67
INDOOR COIL LEAVING AIR TEMP., °F (DB / WB)	54
TOTAL COOLING BTUH	18,000
MANUFACTURER:	
INDOOR UNIT MODEL NUMBER	PKA-A18GA
OUTDOOR UNIT MODEL NUMBER	PUY-A18NHA

NOTES:

1. ACCEPTABLE ALTERNATE MANUFACTURERS: SANYO, DAIKIN.
2. REFER TO MECHANICAL SPECIFICATIONS FOR CONTROL SEQUENCES.
3. VERIFY ALL SCHEDULE INFORMATION WITH MECHANICAL CONTRACTOR.

EXHAUST FAN SCHEDULE

UNIT DESIGNATION	EF-1
TYPE	INLINE
ROOMS SERVED	TOILETS
CAPACITY (CFM)	350
EXTERNAL S.P. (IN H2O)	0.35
FAN TYPE	CENTRIFUGAL
FAN RPM	953
HORSEPOWER (WATTS)	(191)
VOLT / PHASE	120 / 1
WEIGHT (LB)	35
DRIVE TYPE	DIRECT
MANUFACTURER	COOK
MODEL NUMBER	GN-620

NOTES:

A. DISCONNECT SWITCH.
B. SPEED CONTROLLER.
C. VIBRATION ISOLATORS.
D. INTERLOCK WITH AHU-2 O/A DAMPER.
E. PROVIDE BACKDRAFT DAMPER.

VERIFY ALL SCHEDULE INFORMATION WITH MECHANICAL CONTRACTOR.

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	DESCRIPTION	FACE SIZE	MANUFACTURER & MODEL	NOTES
A	PLAQUE FACE DIFFUSER	24X24	TITUS OMNI	2,3,4
B	PLAQUE FACE DIFFUSER	12X12	TITUS OMNI	2,3,4
C	EGGCRATE RETURN GRILLE	24X24	TITUS 50F	1,2,3
D	EGGCRATE EXHAUST GRILLE	12X12	TITUS 50F	2,3,4
E	PLAQUE FACE VAV DIFFUSER	24X24	TITUS T3SQ-1	2,3,4,5,6

NOTES:

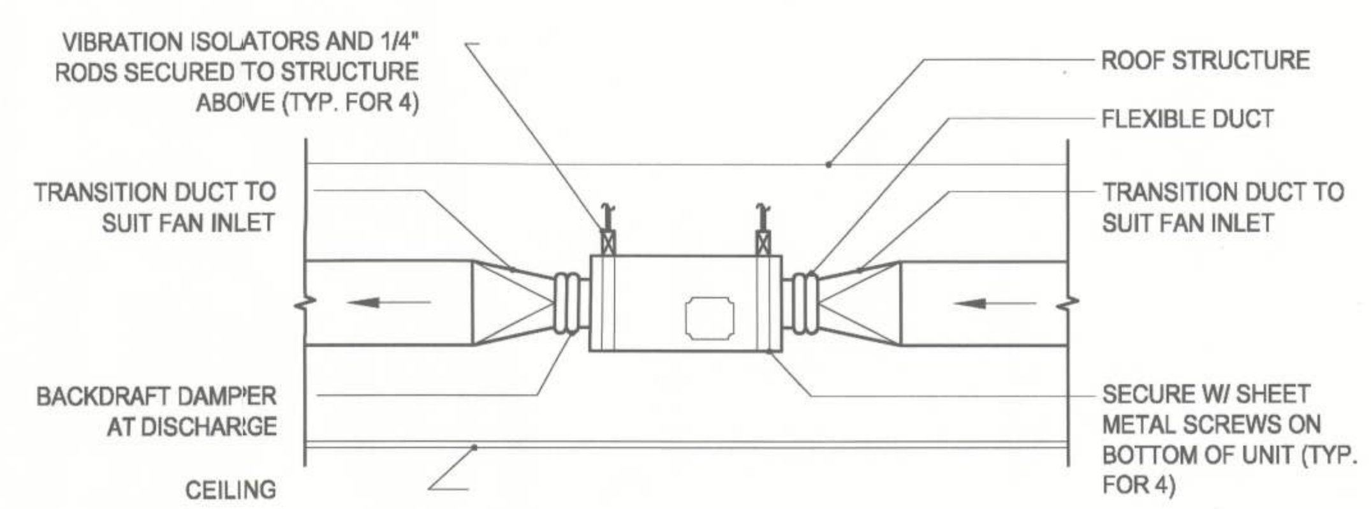
1. 22X22 NECK UNLESS OTHERWISE NOTED.
2. PROVIDE SURFACE MOUNT BORDER FOR HARD CEILING LAY-IN FRAME FOR ACT (SEE REFLECTED CEILING PLAN).
3. PROVIDE WHITE ENAMEL FINISH.
4. DUCT-MOUNTED VOLUME DAMPERS SHALL BE PROVIDED AT TAKE-OFF.
5. PROVIDE ADJUSTABLE THERMOSTAT WITH EACH MASTER VAV DIFFUSER.
6. PROVIDE SINGLE POWER MODULE FOR EVERY SIX VAV DIFFUSERS.

OUTSIDE AIR SCHEDULE

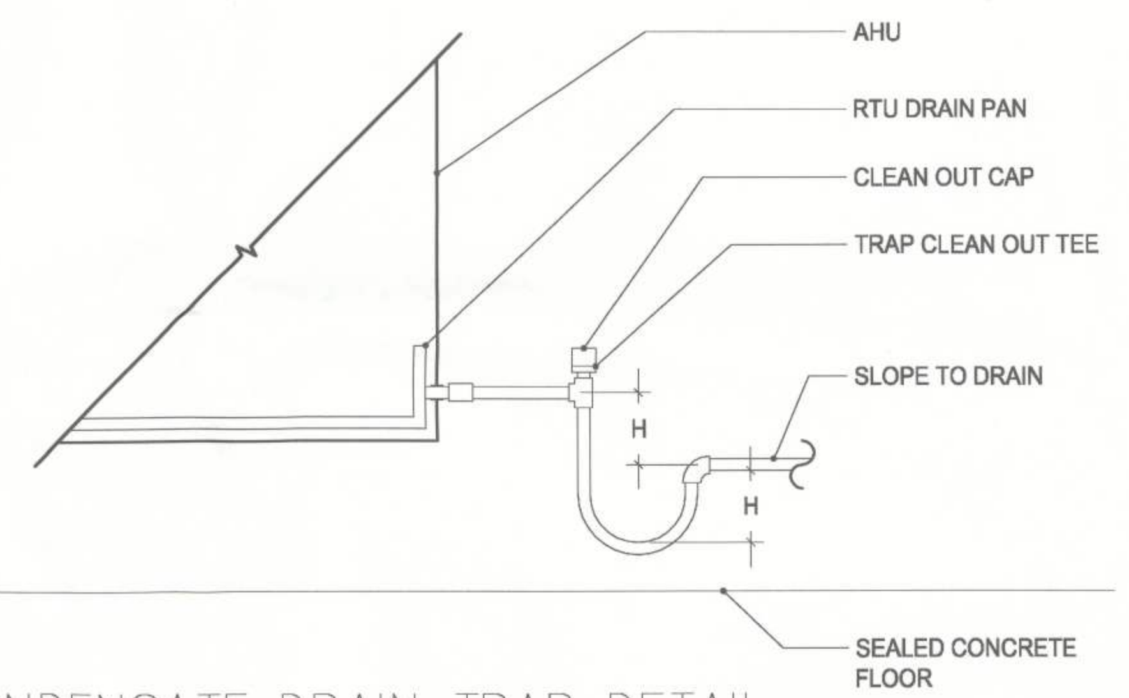
OCCUPANCY TYPE	PEOPLE PER 1000 SQ. FT.	CFM PER PERSON	BUILDING SQ. FT.	MINIMUM CFM
BUSINESS	7	20	4,356	600

NOTES:

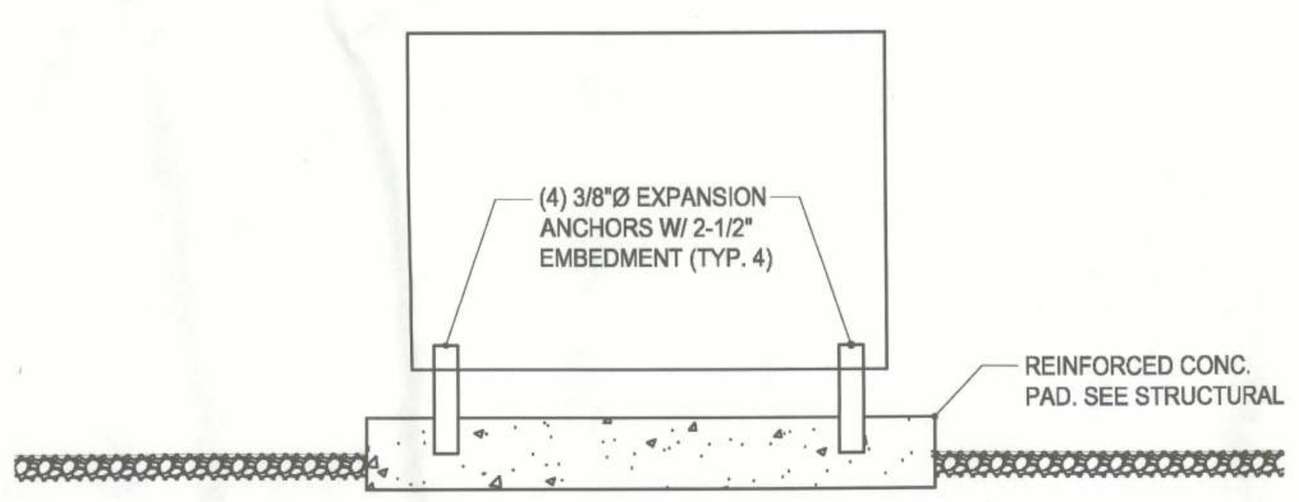
1. RATE IS BASED ON TABLE 403.3 FROM THE 2007 FLORIDA MECHANICAL CODE FOR, OFFICE SPACE.



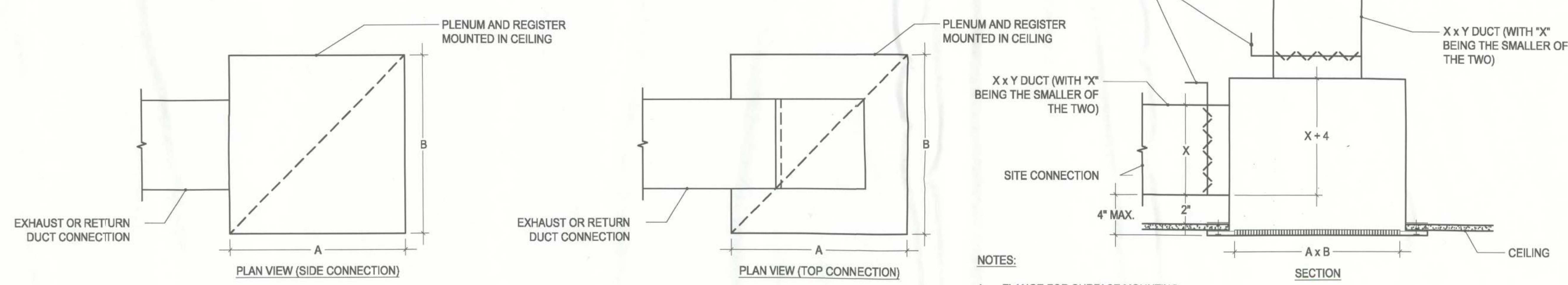
1 INLINE EXHAUST FAN DETAIL
SCALE: N.T.S.



2 CONDENSATE DRAIN TRAP DETAIL
SCALE: N.T.S.



3 CONDENSING UNIT PAD DETAIL
SCALE: N.T.S.



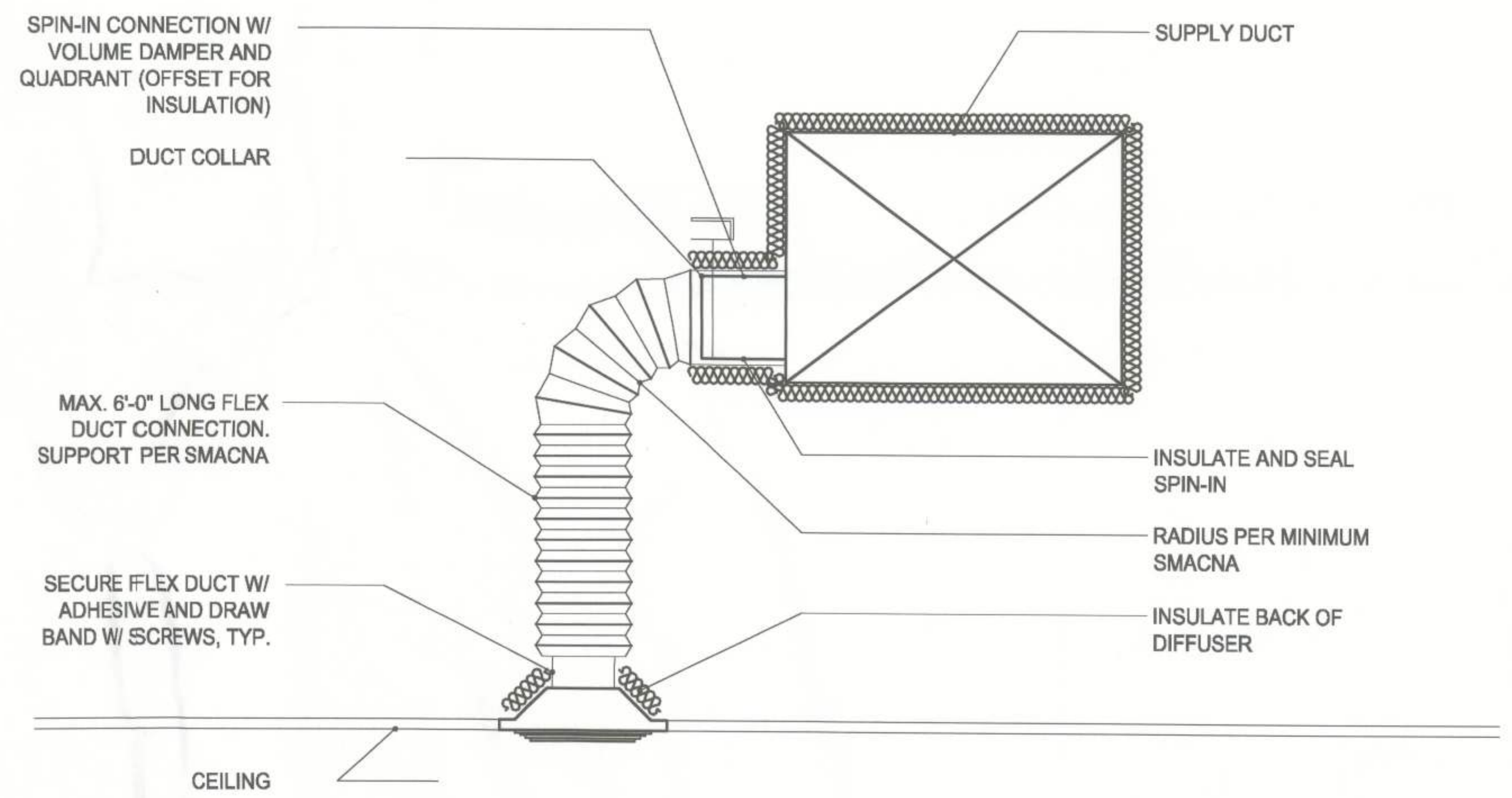
NOTES:

1. FLANGE FOR SURFACE MOUNTING.
2. VOLUME DAMPER ADJUSTABLE WITHOUT REMOVING GRID CORE.
3. SIZE VARIES, REFER TO PLAN.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING SYSTEM DETAILS.

4 HARD DUCTED EXHAUST AND CONNECTION DETAILS
SCALE: N.T.S.

MECHANICAL LEGEND

24X8 / 8"Ø	RECTANGULAR DUCTWORK
	MANUAL VOLUME DAMPER
	ROUND DUCTWORK
	RECTANGULAR TO ROUND DUCTWORK TRANSITION
	RECTANGULAR ELBOW WITH SINGLE THICKNESS TURNING VANES
	RADIUSED ELBOW
	SQUARE PANEL DIFFUSER, REFER TO DISTRIBUTION SCHEDULE ON SHEET M0.10 FOR NECK SIZE
	FLEXIBLE DUCT
	EXHAUST / RETURN REGISTER, REFER TO DISTRIBUTION SCHEDULE ON SHEET M0.10 FOR SIZE.
A 200 8"Ø	DIFFUSER MARK
	AIR QUANTITY (CFM)
	NECK SIZE
SD	SMOKE DETECTOR
CDL	CONDENSATE DRAIN LINE (COPPER)



5 TYPICAL DUCT TO DIFFUSER CONNECTION DETAIL
SCALE: N.T.S.

ABBREVIATIONS

BCP	BUILDING CONTROL PANEL
BDD	BACKDRAFT DAMPER
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CDL	CONDENSATE DRAIN LINE
CFM	CUBIC FEET PER MINUTE
DB	DRY BULB
WB	WET BULB
DL	DOOR LOUVER
EF-1	EXHAUST FAN NO. 1
°F	DEGREES FAHRENHEIT
UC	UNDERCUT (1")
FD	FIRE DAMPER
FLA	FULL LOAD AMPS.
FLD	FLOOR DRAIN
FPM	FEET PER MINUTE
KW	KILOWATTS
MVD	MANUAL VOLUME DAMPER
O/A	OUTSIDE AIR
OAC	OPENING ABOVE CEILING
OBMVD	OPPOSED BLADE MANUAL VOLUME DAMPER
TYP.	TYPICAL

MECHANICAL NOTES

1. ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE, FLORIDA MECHANICAL CODE, FLORIDA PLUMBING CODE, FLORIDA FIRE PREVENTION CODE, AND APPLICABLE NFPA CODES.
2. COORDINATE MECHANICAL WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID INTERFERENCE AND MAINTAIN CLEARANCES. INDICATE ACCESS AREA REQUIRED ON COORDINATED SHOP DRAWINGS FOR MECHANICAL EQUIPMENT ROOMS.
3. FURNISH APPROVED OPERATING INSTRUCTIONS FOR SYSTEMS AND EQUIPMENT. THE OPERATING INSTRUCTIONS SHALL INCLUDE WIRING DIAGRAMS, CONTROL SCHEMATICS, AND PROGRAMMING INSTRUCTIONS FOR EACH SYSTEM. PRINT OR ENGRAVE OPERATING INSTRUCTIONS AND FRAME UNDER GLASS OR IN APPROVED LAMINATED PLASTIC. POST INSTRUCTIONS WHERE DIRECTED. INSTRUCTIONS SHALL INCLUDE START-UP, OPERATING, SHUTDOWN, SAFETY PRECAUTIONS, AND PROCEDURES IN THE EVENT OF EQUIPMENT FAILURE. PROVIDE WEATHER RESISTANT MATERIALS OR WEATHERPROOF ENCLOSURES FOR OPERATING INSTRUCTIONS EXPOSED TO THE WEATHER.
4. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, FURNISH PRINTED COPIES OF THE RECOMMENDATIONS PRIOR TO INSTALLATION.
5. ALL EQUIPMENT AND MATERIALS PROVIDED FOR THIS PROJECT SHALL BE NEW AND FREE FROM DEFECTS.
6. PROVIDE PERMANENT IDENTIFICATION PLATES FOR ALL EQUIPMENT AND PLASTIC PIPE MARKERS ON ALL PIPING SYSTEMS. PROVIDE VALVE TAGS FOR ALL VALVES. DUCTWORK JACKETS AND SIMILAR FINISHES MAY BE IDENTIFIED WITH STENCIL PAINTING.
7. PROVIDE SLEEVES FOR ALL DUCTWORK AND PIPING PENETRATIONS. PLACE SLEEVES PRIOR TO COMPLETION OF WALL OR FLOOR CONSTRUCTION WHERE POSSIBLE.
8. SELECT AND INSTALL PIPE SUPPORTS AND ANCHORS IN ACCORDANCE WITH MSS SP 58 AND SP 69. PROVIDE SINGLE OR MULTIPLE HANGARS AS APPROPRIATE. PROVIDE HANGARS WITH ADJUSTABLE MEANS FOR CONTROLLING THE LEVEL OR SLOPE OF PIPES.
9. PROVIDE ELASTOMERIC PADS BENEATH ALL FLOOR OR PAD MOUNTED EQUIPMENT WITH ROTATING PARTS, INCLUDING AIR HANDLERS AND CONDENSING UNITS. PADS SHALL BE 5/16" MINIMUM THICKNESS WAFFLED OR RIBBED NEOPRENE.
10. AIR HANDLERS AND CONDENSING UNITS SHALL HAVE INTERNAL VIBRATION ISOLATION FOR FANS AND COMPRESSORS, UTILIZING OPEN-SPRING OR NEOPRENE ISOLATORS, FREESTANDING AND LATERALLY STABLE WITH NO HOUSING. FOR EQUIPMENT THAT DOES NOT HAVE INTERNAL ISOLATORS, PROVIDE OPEN-SPRING MOUNTS AT SUPPORT POINTS.
11. PROVIDE ELASTOMERIC HANGARS FOR AT LEAST THE FIRST THREE SUPPORT POINTS FOR PIPING CONNECTING TO ISOLATED EQUIPMENT. ALSO, PROVIDE ELASTOMERIC HANGARS FOR SUSPENDED FANS.
12. INSULATE CONDENSATE DRAINS WITHIN BUILDING AND INSULATE ALL REFRIGERANT SUCTION PIPING.
13. ALL PIPE INSULATION WITHIN THE BUILDING SHALL BE ASTM C547, CLASS 1 PREFORMED FIBERGLASS PIPE INSULATION WITH AN ALL-SERVICE VAPOR BARRIER JACKET. 1/2" THICK FOR PIPE SIZES UP TO AND INCLUDING 1-1/4", 1" THICK FOR PIPE SIZES 1-1/2" AND 2". MAXIMUM FLAME-SPREAD / SMOKE-DEVELOPED RATINGS SHALL BE 25 / 50 WHEN TESTED IN ACCORDANCE WITH ASTM E-84. ASTM C534, TYPE I FLEXIBLE UNICELLULAR INSULATION, 3/4" THICK, MAY BE USED IN EXTERIOR LOCATIONS ONLY. PROVIDE A UV-RESISTANT COATING OR JACKET ON ALL EXTERIOR INSULATION.
14. INSULATE ALL DUCTWORK, PLENUMS, FAN CABINETS, AND AHU CASINGS EXCLUDING PRE-INSULATED FLEXIBLE DUCTS AND PRE-INSULATED EQUIPMENT. INSULATE THE BACKS OF SUPPLY AIR DIFFUSERS AND GRILLES.
15. INSULATION FOR DUCTS AND DIFFUSERS SHALL BE 2" THICK ASTM C553, TYPE I, CLASS B-4 1-1/2 LB / CU FT. DENSITY FLEXIBLE FIBERGLASS BLANKET WITH FSK JACKET. INSULATION FOR EQUIPMENT AND PLENUMS SHALL BE 1" THICK EXTERNAL RIGID FIBERGLASS BOARD WITH JACKET OR INTERNAL FIBERGLASS LINER.
16. ALL SEAMS, JOINTS, AND PUNCTURES IN EXTERNAL INSULATION JACKET SHALL BE SEALED WITH GLASS-REINFORCED FABRIC AND VAPOR BARRIER MASTIC.
17. DUCTWORK THAT IS VISIBLE THROUGH RETURN GRILLES SHALL BE PAINTED FLAT BLACK.
18. CONDENSATE DRAIN PIPING FOR HVAC EQUIPMENT SHALL BE TYPE DWV COPPER TUBING, ASTM B306, DRAWN TEMPER, WITH ASME B16.29 WROUGHT-COPPER, SOLDIER JOINT, DWV DRAINAGE FITTINGS.
19. REFRIGERANT PIPING FOR HVAC SYSTEMS SHALL BE SEAMLESS COPPER TUBING, ASTM B280, TYPE ACR, HARD-DRAWN, STRAIGHT LENGTHS AND SOFT-ANNEALED COILS. FITTINGS SHALL BE AWS A5.8, CLASSIFICATION BAG-1 (SILVER). INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH ASHRAE STANDARD 15. ARRANGE PIPING TO ALLOW NORMAL INSPECTION AND SERVICING OF COMPRESSOR AND OTHER EQUIPMENT. INSTALL VALVES AND SPECIALTIES IN ACCESSIBLE LOCATIONS.
20. PROVIDE FILTER-DRIER FOR EACH REFRIGERANT CIRCUIT. 500 PSIG MAXIMUM OPERATION PRESSURE, STEEL SHELL, FLANGE RING AND SPRING, DUCTILE IRON COVER PLATE WITH STEEL CAP SCREWS, AND WROUGHT COPPER FITTINGS FOR SOLDIER END CONNECTIONS. FURNISH COMPLETE WITH REPLACEABLE FILTER-DRIER CORE KIT, INCLUDING GASKETS.
21. INSPECT, TEST, AND PERFORM CORRECTIVE ACTION OF REFRIGERANT PIPING IN ACCORDANCE WITH ASME CODE B31.5, CHAPTER VI. REPAIR LEAKING JOINTS USING NEW MATERIALS AND RETEST FOR LEAKS. THOROUGHLY DRY AND EVACUATE PIPING SYSTEMS BEFORE CHARGING.
22. HVAC EQUIPMENT SHALL BE CSA AND / OR UL APPROVED, EQUAL TO THAT SCHEDULED ON THE DRAWINGS. ALL EQUIPMENT SHALL BE FACTORY TESTED. SYSTEMS SHALL COMPLY WITH ARI STANDARD 210.
23. WARRANTY ALL WORK IN ACCORDANCE WITH GENERAL PROVISIONS OF THE CONTRACT. PROVIDE FULL 5-YEAR PARTS AND LABOR WARRANTY ON AIR CONDITIONING COMPRESSORS.
24. CONDENSING UNITS SHALL BE FACTORY-ASSEMBLED, PRE-PIPED, AND PRE-WIRED UNITS SUITABLE FOR OUTDOOR USE CONSISTING OF COATED GALVANIZED STEEL CABINET, HERMETIC SCROLL COMPRESSOR(S), COPPER-TUBE CONDENSING COIL, ALUMINUM PROPELLER FAN(S), INTEGRAL SUB-COOLING CIRCUIT(S), REFRIGERANT PIPING, REFRIGERATION SPECIALTIES, AND CONTROLS. PROVIDE EXTERNAL HIGH AND LOW-PRESSURE CUTOUT DEVICES FOR ALL COMPRESSORS. INTERNALLY ISOLATE COMPRESSORS ON SPRINGS. PROVIDE INTERNAL TEMPERATURE AND CURRENT SENSITIVE MOTOR OVERLOADS, INTERNAL PROTECTION DEVICES FOR LOCKED ROTOR, EXTREME VOLTAGE, SINGLE PHASING (FOR 3-PHASE EQUIPMENT) AND COMPRESSOR CYCLING.
25. INSTALLER SHALL ANCHOR CONDENSING-UNIT MOUNTING RAILS TO CONCRETE PAD.
26. AIR HANDLERS SHALL BE FACTORY-ASSEMBLED UNITS CONSISTING OF INSULATED AND COATED GALVANIZED STEEL CASING, MULTI-SPEED DIRECT-DRIVE CENTRIFUGAL FAN WITH OVERLOAD PROTECTION AND PERMANENTLY LUBRICATED BALL BEARINGS, 2" THICK PLEATED FILTERS, COPPER-TUBE EVAPORATOR COIL, CORROSION-RESISTANT INSULATED DRAIN PAN, UL-LISTED NICKEL-CHROME ELECTRIC RESISTANCE HEATING COIL WITH CONTACTORS AND SAFETIES.
27. ALL EQUIPMENT SHALL HAVE DISCONNECTS AND OVER-CURRENT PROTECTION AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, WHETHER OR NOT THESE DEVICES ARE SPECIFICALLY SHOWN ON PLANS. COORDINATE WITH WORK OF DIVISION 16. ALL ELECTRICAL DEVICES SHALL MEET THE REQUIREMENTS OF INDIVIDUAL SECTIONS OF DIVISION 16.
28. INSTALL AIR HANDLERS FOR DUCTED UNITS ON 6" CONCRETE HOUSE-KEEPING PAD WITH SPECIFIED ISOLATION. PROVIDE CONDENSATE DRAIN AS SPECIFIED ABOVE, INCLUDING P-TRAP WITH CLEAN-OUT AND MINIMUM 3" SEAL DEPTH.
29. POWER VENTILATORS SHALL BE EQUAL TO THE UNITS SCHEDULED. PROVIDE COMPONENTS THAT ARE AMCA CERTIFIED. UNITS SHALL COMPLY WITH UL 705 AND SHALL CARRY THE UL LABEL AND AMCA SEAL.
30. DUCT CONNECTION TO EXHAUST FANS: TRANSITION FROM DUCT SIZE INDICATED ON PLAN TO THE FULL SIZE OF THE FAN INLET AT CONNECTION TO THE FAN WITH 45° MAXIMUM TRANSITION ANGLE.
31. DUCTWORK SHALL BE GALVANIZED STEEL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. FLEXIBLE DUCTS SHALL BE UL-181, CLASS 1 WITH FLAME SPREAD / SMOKE DEVELOPED RATINGS OF 25 / 50 OR LESS, FABRICATED WITH METAL HELIX REINFORCEMENT AND MINIMUM R-6 INSULATION BETWEEN FIRE-RETARDANT INNER LINER AND VAPOR BARRIER JACKET. JACKET SHALL HAVE CONTINUOUS HANGING TAB, INTEGRAL FIBERGLASS TAPE, AND NYLON HANGING CORD. SECURE FLEXIBLE DUCT TO COLLAR AND SLEEVE WITH DUCT SEALER, 1/2" CLAMPS AND SHEET METAL SCREWS. SECURE INSULATION COVER WITH GLASS FABRIC AND MASTIC. PROVIDE RIGID ROUND DUCTS WHERE RUN-OUT LENGTHS EXCEED 8 FEET.
32. MANUAL VOLUME-CONTROL DAMPERS SHALL HAVE MINIMUM 16 GAUGE GALVANIZED STEEL FRAMES AND MINIMUM 20 GAUGE FORMED BLADES. GALVANIZED STEEL AXLE SHALL HAVE BEARINGS AT BOTH ENDS AND SHAFT SHALL EXTEND SO THAT OPERATOR CLEARS EXTERNAL INSULATION. PROVIDE INDICATING QUADRANT AND LOCKING DEVICE. USE SINGLE-BLADE DAMPERS FOR WIDTHS UP TO 8" AND OPPOSED-BLADE DESIGN FOR SIZES ABOVE 8".
33. FABRICATE TURNING VANES ACCORDING TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS, FIGURES 2-2 THROUGH 2-7.
34. FLEXIBLE DUCT CONNECTORS SHALL BE FABRICATED OF FLAME-RETARDANT OR NON-COMBUSTIBLE FABRICS, COATINGS, AND ADHESIVES COMPLYING WITH UL STANDARD 181, CLASS 1, WITH METAL-EDGED CONNECTORS.
35. AIR DEVICES SHALL BE EQUAL TO PRODUCTS SCHEDULED. TEST AND RATE AIR OUTLETS AND INLETS IN ACCORDANCE WITH ARI 650 "STANDARD FOR AIR OUTLETS AND INLETS". MOUNTINGS SHALL BE LAY-IN TYPE FOR ACOUSTICAL PANEL CEILINGS AND SURFACE MOUNT WITH 1-1/4" BORDER FOR GYPSUM BOARD CEILINGS (REFER TO REFLECTED CEILING PLANS) OR WALLS. LOUVERS SHALL BE ALUMINUM EXTRUSIONS, ASTM B 221, ALLOY 6063-T52, WITH MINIMUM FREE AREA OF 50 PERCENT AND MAXIMUM PRESSURE DROP OF 0.1" STATIC AT INDICATED AIR FLOW AND ZERO WATER PENETRATION AT 700 FEET PER MINUTE. PROVIDE LOUVERS WITH FRAME AND SILL STYLES THAT ARE COMPATIBLE WITH ADJACENT SUBSTRATE AND MANUFACTURED TO FIT INTO OPENING WITH ACCURATE FIT AND ADEQUATE SUPPORT. PROVIDE 1/4" SQUARE MESH ANODIZED ALUMINUM WIRE SCREENS MOUNTED IN REMOVABLE EXTRUDED ALUMINUM FRAMES.
36. PROVIDE COMPLETE TEST AND BALANCE OF ALL HVAC SYSTEMS BY AN INDEPENDENT TEST AND BALANCE FIRM, WHO IS NEBB OR AABC CERTIFIED WITH A MINIMUM OF 5 YEARS EXPERIENCE. TESTING, ADJUSTING AND BALANCING SHALL CONFORM TO ASHRAE, ANSI AND EITHER NEBB "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, BALANCING OF ENVIRONMENTAL SYSTEMS" OR AABC MN-1 "NATIONAL STANDARDS", AS APPLICABLE TO MECHANICAL AIR DISTRIBUTION SYSTEMS, ASSOCIATED EQUIPMENT, AND APPARATUS.
37. SUPPLY 365-DAY PROGRAMMABLE THERMOSTATS WITH INTEGRAL TIME CLOCKS TO CONTROL SPLIT SYSTEMS. THERMOSTATS SHALL HAVE AUXILIARY OUTPUT CAPABLE OF CONTROLLING THE MOTORIZED OUTSIDE AIR DAMPERS. SEE SPECIFICATIONS FOR SEQUENCE OF OPERATION. THERMOSTATS SHALL BE LOCATED 4'-6" ABOVE FINISHED FLOOR.
38. SMOKE DETECTORS SHALL BE FURNISHED AND WIRED UNDER DIVISION 16. MOUNTING OF SMOKE DETECTORS IN DUCTWORK AS SHOWN ON PLANS SHALL BE DONE AS WORK OF DIVISION 15. SMOKE DETECTORS SHALL BE LOCATED IN SUPPLY DUCTWORK PER FLORIDA MECHANICAL CODE AND SHALL PROVIDE FAN SHUTDOWN CONTROL.

ROBERT S. TAYLOR, SR., ARCHITECT
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2504 NW 71st Place, Gainesville, Fl 32652
Phone 352-371-1417

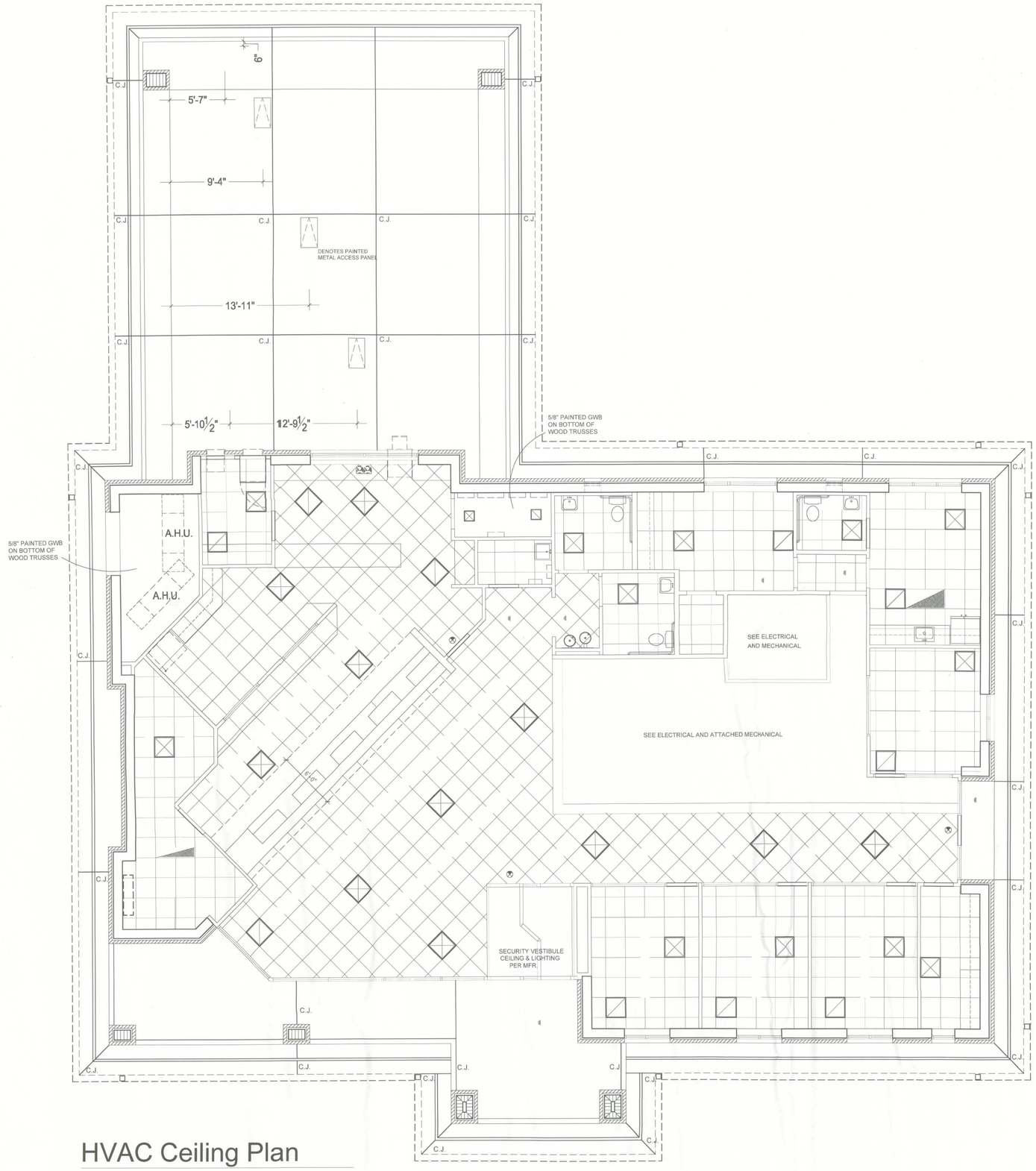
SEE NEW AGE DIMENSIONS, LLC SIGNED AND SEALED DRAWINGS ATTACHED TO ENERGY CALCULATIONS

CAMPUS USA
1678 W. US Highway 90
LAKE CITY, Florida

NO.	DATE	REVISION

SCHERER CONSTRUCTION OF NORTH FLORIDA, LLC.
GAINESVILLE, FL 352-371-1417
ADDITIONAL OFFICES IN:
ST. PETERSBURG / ORLANDO / JACKSONVILLE
800-741-3188

JOB NO.	13-621A
DRAWN	rt
DATE	5.14.2013
SCALE	3/16"=1'-0"
SHT.	M 0.10 (Mech. Notes etc.)



HVAC Ceiling Plan

Scale 3/16"=1'-0"

SEE NEW AGE DIMENSIONS, LLC
SIGNED AND SEALED DRAWINGS
ATTACHED TO ENERGY CALCULATIONS

Robert S. Taylor Sr.

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13-521A	rt	5.02.2013	3/16"=1'-0"	M1.11 (M.E.Elev.)

ABBREVIATIONS

AC	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
BF	BELOW FLOOR
BG	BELOW GRADE
DWV	DRAINAGE WASTE AND VENT
ETP	ELECTRONIC TAP PRIMER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FL	FLOOR
GPM	GALLONS PER MINUTE
HB	HOSE BIB
IB	ICEMAKER BOX
JR	JANITOR'S RECEPTOR
L	LAVATORY
S	SINK
VTR	VENT THRU ROOF
WC	WATER CLOSET
WF	WATER FILTER

PLUMBING LEGEND

Symbol	Description
———	SANITARY OR WASTE PIPING (S OR W)
- - - - -	VENT PIPING (V)
—— - ——	COLD WATER PIPING (CW)
—— - - ——	HOT WATER PIPING (HW)
	BALL VALVE (BV) - SHALL BE SAME SIZE AS LINE SERVED
	FLOOR DRAIN (FD)
▼	TRAP PRIMER
WHA	WATER HAMMER ARRESTER - BELLOWS TYPE (LAST LETTER INDICATES P.D.I. RATING)
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
COOG	CLEANOUT ON GRADE IN 14"X14" CONC. PAD
CO	CLEANOUT TEE WITH PLUG AND COVER
	HOSE BIB

PLUMBING EQUIPMENT SCHEDULE

WC1: AMERICAN STANDARD #2377.100 VITREOUS CHINA FLOOR MOUNTED FLUSH TANK PRESSURE ASSISTED HANDICAPPED HEIGHT WATER CLOSET. BEMIS #1955SSC SOLID PLASTIC SEAT WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGE. TANK SHALL HAVE HANDLE FACING WIDE SIDE OF TOILET ROOM; FLEXIBLE SUPPLY WITH CHROME PLATED BRASS ANGLE STOP. (BRANCH LINE SIZES: 4"S, 2"V, 1/2"CW)

L1: AMERICAN STANDARD #0355.012 VITREOUS CHINA WALL MOUNTED LAVATORY WITH FAUCET HOLES ON 4" CENTERS; DELTA FAUCET #501 SINGLE HANDLE CHROME PLATED BRASS FAUCET; 1-1/4" CHROME PLATED BRASS GRID STRAINER; J.R. SMITH #2698 TRAP PRIMER P-TRAP; FLEXIBLE SUPPLIES WITH CHROME PLATED BRASS ANGLE STOPS - 2 REQUIRED. (BRANCH LINE SIZES: 2"W, 2"V, 1/2"CW, 1/2"HW)

S1: ELKAY #LRAD2219653 22" X 19-1/2" X 6-1/2" DEEP STAINLESS STEEL SINGLE COMPARTMENT COUNTERTOP SINK WITH 3 FAUCET HOLES; ELKAY #LKE4100 CHROME PLATED BRASS SINGLE HANDLE FAUCET WITH 8" SWING SPOUT; ELKAY #LKAD35 CHROME PLATED BRASS STRAINER WITH STAINLESS STEEL BASKET AND OFFSET TAILPIECE; 1-1/2" 17 GAUGE CHROME PLATED BRASS P-TRAP; FLEXIBLE SUPPLIES WITH CHROME PLATED BRASS ANGLE STOPS - 2 REQUIRED; TRUEBRO MODEL #103 E-Z SET OF PROTECTIVE PIPE COVERS. (BRANCH LINE SIZES: 2"W, 2"V, 1/2"CW, 1/2"HW)

WF1: CUNO MODEL #CFS8576-S WATER FILTER WITH CARTRIDGE AND MOUNTING BRACKET. SERVICE FLOW RATE: 1.5 GPM. FILTER CARTRIDGE LIFE 10,000 GALLONS. EFFICIENCY: 1 MICRON. (BRANCH LINE SIZES: 1/2"CW INLET, 1/2"CW OUTLET)

IB1: GUY GRAY #BIM875 WALL BOX FOR ICEMAKER SUPPLY. MOUNT AT 48" ABOVE FINISHED FLOOR.

JR1: FIAT #MSB-2424 24" X 24" X 10" DEEP MOLDED STONE MOP SERVICE BASIN. FIAT #833-AA SERVICE FAUCET; FIAT #823-AA HOSE AND BRACKET; FIAT #889-CC MOP HANGAR; FIAT #MSG-2424 STAINLESS STEEL WALL GUARD. (BRANCH LINE SIZES: 3"W, 2"V, 1/2"CW, 1/2"HW)

EWC1: HALSEY TAYLOR MODEL HAC8FSBL-Q ADA BARRIER FREE WALL MOUNTED DUAL LEVEL ELECTRIC WATER COOLER WITH STAINLESS STEEL BASINS AND CABINETS, PUSH BAR ACTUATION ON FRONT AND SIDE OF EACH COOLER; CHROME PLATED BUBBLERS; 1-1/4" P-TRAP; FLEXIBLE SUPPLY WITH ANGLE STOP. (BRANCH LINE SIZES: 2"W, 2"V, 1/2"CW)

FD1: J.R. SMITH 2005 SERIES FLOOR DRAIN WITH CAST IRON BODY, FLASHING COLLAR, 5" ADJUSTABLE POLISHED BRONZE STRAINER, SEDIMENT BUCKET, SEEPAGE OPENINGS AND 1/2" TRAP PRIMER CONNECTION.

FD2: AS SPECIFIED FOR FD1 ABOVE EXCEPT PROVIDE WITH 7" DIAMETER STRAINER WITH EXTENDED RIM. MOUNT WITH TOP OF RIM LEVEL WITH FINISHED FLOOR.

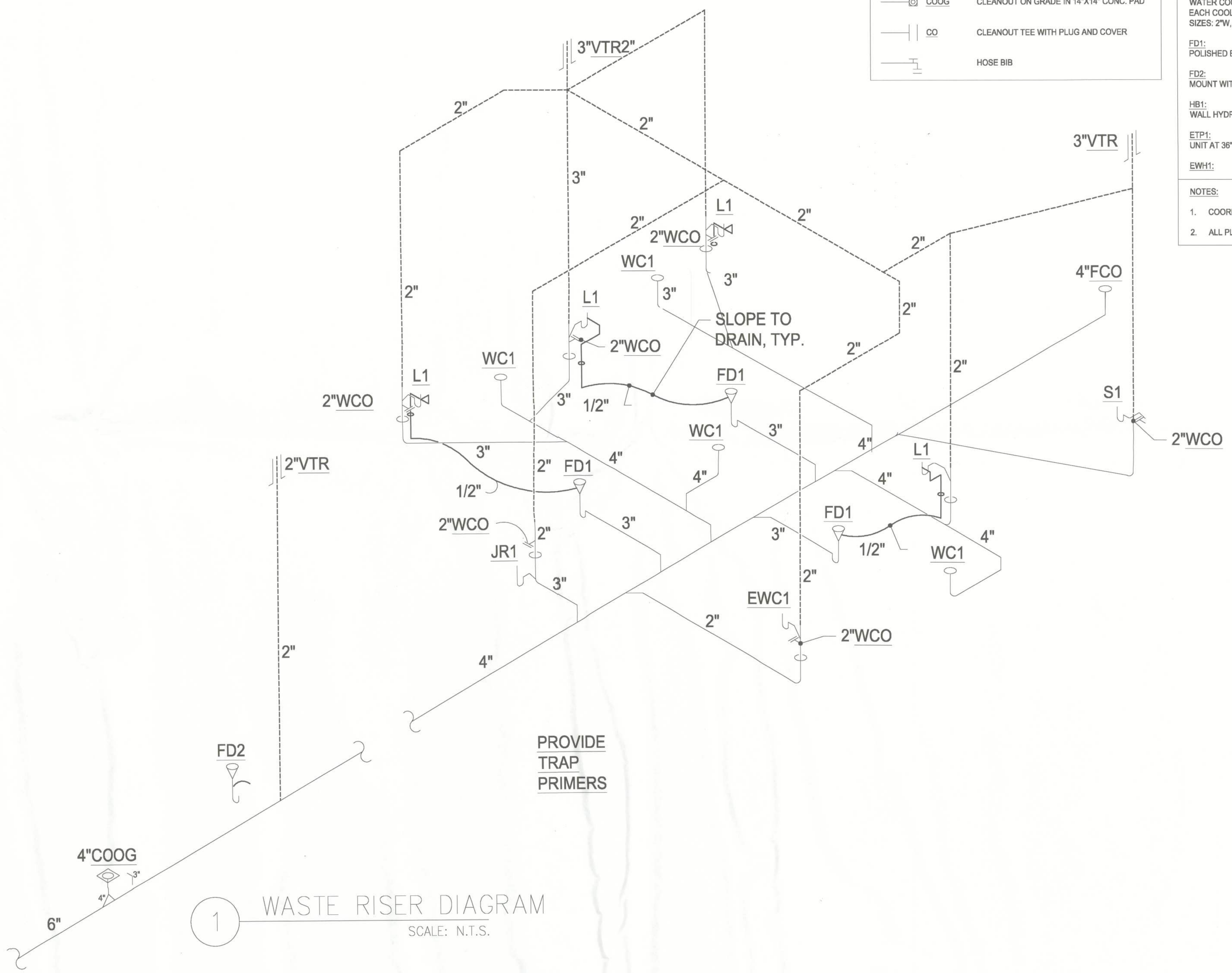
HB1: WOODFORD #65P AUTOMATIC DRAINING, FREEZELESS, VACUUM BREAKER-BACKFLOW PREVENTER WALL HYDRANT WITH LOOSE KEY TEE OPERATION.

ETP1: PRECISION PLUMBING PRODUCTS MPB-500-115V ELECTRONIC TAP PRIMER UNIT WITH BOX. MOUNT UNIT AT 36" ABOVE FINISHED FLOOR.

EWH1:

NOTES:

1. COORDINATE ALL PLUMBING WORK WITH HVAC AND ELECTRICAL WORK.
2. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH 2007 FLORIDA PLUMBING CODE.



1 WASTE RISER DIAGRAM

SCALE: N.T.S.

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LAKE CITY, Florida

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SCHERER
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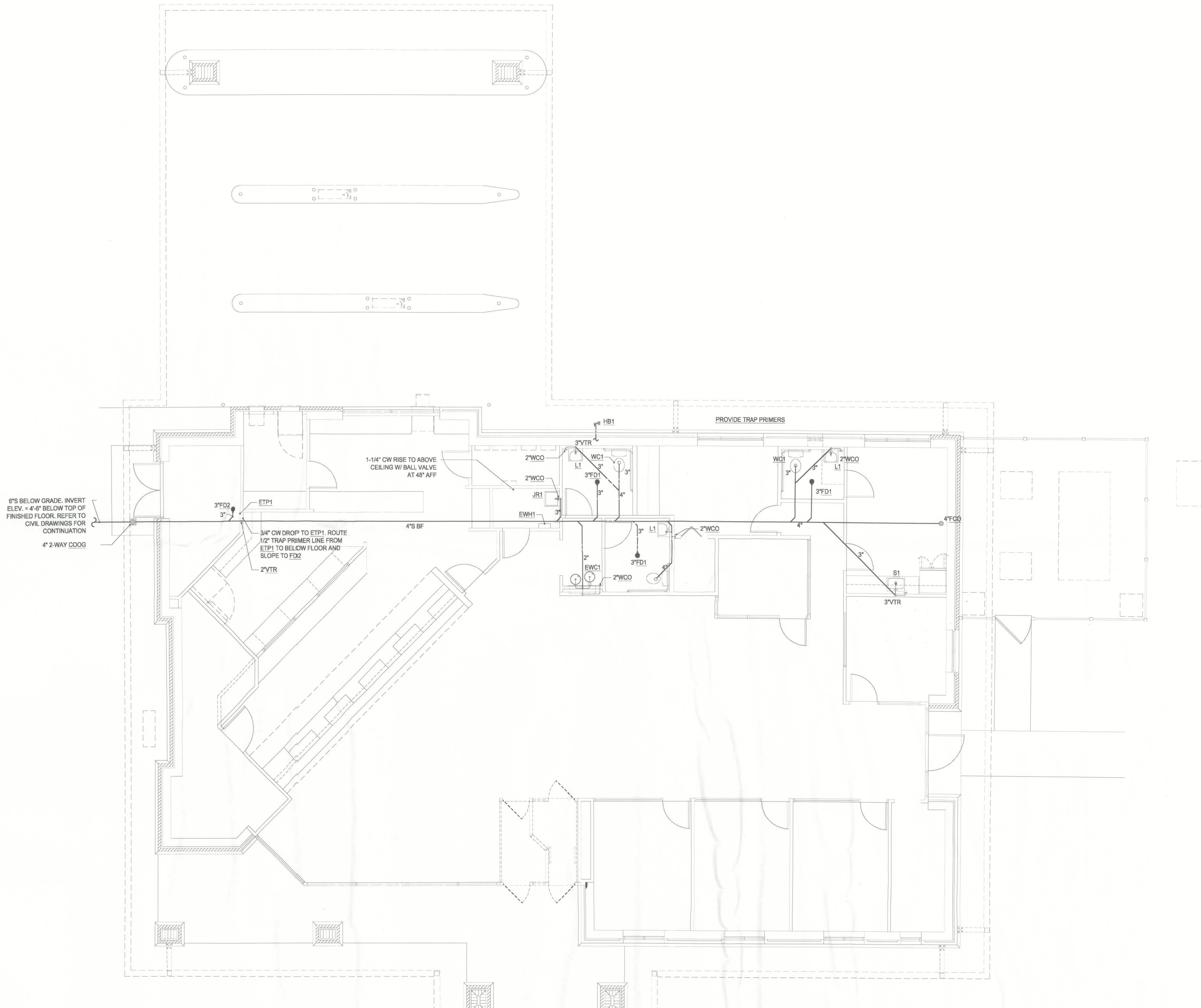
JOB NO.	DRAWN	DATE	SCALE	SHT.
13-621A	rt	5.14.2013	3/16"=1'-0"	P 0.10 (Plumb.Riser,Legend)



PLUMBING PLAN

Scale 3/16"=1'-0"

north

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DRAWN	rt
DATE	5.14.2013
SCALE	3/16"=1'-0"
SHT.	P 1.11 (Plumbing Plan)

DRAWING INDEX CUSA – LAKE CITY

ELECTRICAL

ELECTRICAL SYMBOLS AND ABBREVIATIONS

EQUIPMENT AND WIRING

- SURFACE JUNCTION BOX
- SURFACE JUNCTION BOX – WALL
- FLUSH JUNCTION BOX – CEILING
- FLUSH JUNCTION BOX – WALL
- FLUSH JUNCTION BOX – FLOOR
- EQUIPMENT CONNECTION

SECURITY

- SURFACE JUNCTION BOX
- ALARM
- ALARM SENSOR

COMMUNICATION (MOUNTING HEIGHTS – U.N.O.)

- TELEPHONE OUTLET
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- WALL TELEPHONE OUTLET
  # – DESINATES NO. OF OUTLETS
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- DATA/COMMUNICATIONS OUTLET
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- DATA/COMMUNICATIONS OUTLET
  # – DESINATES NO. OF OUTLETS
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- DATA/COMMUNICATIONS OUTLET
  MOUNTING LOCATION: CEILING
  MOUNTING HEIGHT: FIELD VERIFY
- TELEPHONE/DATA OUTLET
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- TELEPHONE/DATA OUTLET
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- TV ANTENNA OUTLET W/RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: AS NOTED
- TELEPHONE OUTLET, FLUSH FLOOR
  # – DESINATES NO. OF OUTLETS
  MOUNTING LOCATION: FLOOR
  MOUNTING HEIGHT: F/FF
- DATA/COMMUNICATIONS OUTLET, FLUSH FLOOR
  # – DESINATES NO. OF OUTLETS
  MOUNTING LOCATION: FLOOR
  MOUNTING HEIGHT: F/FF

SHEET SYMBOLS

- LINE CONTINUE BREAK
- DETAILS AND SECTIONS DESIGNATION
- DETAIL REFERENCE
  TOP DESIGNATES DETAIL NUMBER
  BOTTOM DESIGNATES ON WHICH SHEET DETAIL APPEARS
- SECTION REFERENCE
  TOP DESIGNATES SECTION NUMBER
  BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS
- EQUIPMENT DESIGNATION
  TOP DESIGNATES EQUIPMENT ABBREVIATION, BOTTOM DESIGNATES EQUIPMENT NUMBER
- PLAN CONTINUATION DESIGNATION
- SHEET KEYNOTE DESIGNATION
- REVISION NUMBER DESIGNATION

LIGHTING

- RECESS GRID MOUNTED FLUORESCENT
  MOUNTING LOCATION: CEILING
- RECESS FLANGE MOUNTED FLUORESCENT
  MOUNTING LOCATION: CEILING
- DIRECTIONAL INDICATOR ADDED TO FIXTURE SYMBOL TO DESIGNATE AIMING DIRECTION
- T.B.D. FACE EXIT FIXTURE
  MOUNTING LOCATION: CEILING
- RECESS MOUNTED INCANDESCENT/ COMPACT/FLUORESCENT/HID
  MOUNTING LOCATION: CEILING
- SURFACE MOUNTED INCANDESCENT/ COMPACT/FLUORESCENT/HID
  MOUNTING LOCATION: CEILING
- SURFACE MOUNTED INCANDESCENT/ COMPACT/FLUORESCENT/HID
  MOUNTING LOCATION: WALL
- SURFACE MOUNTED INCANDESCENT/ COMPACT/FLUORESCENT/HID
  MOUNTING LOCATION: CEILING
- SINGLE FACE EXIT FIXTURE
  MOUNTING LOCATION: CEILING
- DOUBLE FACE EXIT FIXTURE
  MOUNTING LOCATION: WALL
- EXIT DIRECTIONAL ARROW
- DOUBLE FACE EXIT FIXTURE
  MOUNTING LOCATION: CEILING
- SINGLE FACE EXIT FIXTURE
  MOUNTING LOCATION: WALL

RECEPTACLES (MOUNTING HEIGHTS – U.N.O.)

- DUPLEX RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- DOUBLE DUPLEX RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- EMERGENCY DUPLEX RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- EMER. DOUBLE DUPLEX RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- DUPLEX RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 42"
- DOUBLE DUPLEX RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 42"
- EMERGENCY DUPLEX RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 42"
- LOCKING RECEPTACLE
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- DUPLEX RECEPTACLE
  MOUNTING LOCATION: CEILING
- DUPLEX RECEPTACLE
  MOUNTING LOCATION: FLOOR
- POWER OUTLET
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
  POWER OUTLET, EMERGENCY CIRCUIT
- FIXED EQUIPMENT CONNECTION
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 1'–6"
- FIXED EQUIPMENT CONNECTION
  MOUNTING LOCATION: FLOOR
- CEILING FAN OUTLET

SWITCHES (MOUNTING HEIGHTS – U.N.O.)

- LIGHTING CONTACTOR
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: AS NOTED
- DIMMER
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- TIME SWITCH
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- PHOTO CELL
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: AS NOTED
- SINGLE POLE SWITCH
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
  a = SWITCH DESIGNATION
- FOUR WAY SWITCH
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- KEY SWITCH
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- SWITCH WITH PILOT LIGHT
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- FLOOR SWITCH
  MOUNTING LOCATION: FLOOR
- TWO POLE SWITCH
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"
- THREE WAY SWITCH
  MOUNTING LOCATION: WALL
  MOUNTING HEIGHT: 4'–0"

FIRE ALARM

- SD FIRE ALARM DUCT SMOKE DETECTOR
  MOUNTING LOCATION: DUCT

GENERAL NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC IN SHOWING CERTAIN RELATIONSHIPS OF THE VARIOUS ELEMENTS AND SYSTEMS AND THEIR INTERFACE WITH OTHER ELEMENTS AND SYSTEMS. REFER TO THE INDIVIDUAL MANUFACTURE'S OPERATING MANUAL FOR ADDITIONAL DETAIL.
2. CONDUIT RUNS SHALL BE A MINIMUM OF ¾" CONDUIT WITH 2#12 AND 1#12 GROUND, UNLESS NOTED OTHERWISE. ADDITIONAL SEPARATE GROUND WIRE IS REQUIRED IN ALL CONDUIT RUNS.
3. PROVIDE SURGE PROTECTOR MOUNTED DIRECTLY TO THE PANEL AS CLOSE AS POSSIBLE TO BREAKER.
4. ROUTE INSULATED UNSPLICED #2 GROUND CONDUCTOR FROM PANEL "C" ISOLATED GROUND BUS TO GROUNDING BUS IN PANELBOARD "A".
5. EXTERIOR UNDERGROUND SECONDARY CONDUIT RUNS INSTALLED A MINIMUM 18" BELOW FINISHED GRADE.
6. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OUTLETS.
7. VERIFY LOCATION AND MOUNTING HEIGHT OF ALL OUTLETS FOR MANUFACTURED ITEMS.
8. SEE BANKING EQUIPMENT MANUFACTURES INSTALLATION DRAWINGS FOR BOX REQUIREMENTS AND CONDUIT FOR BANKING EQUIPMENT.
9. VERIFY EXACT LOCATION OF FLOOR BOX WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
10. FROM EACH VOICE/DATA OUTLET BOX, STUB 1"C. TO CEILING SPACE FOR VOICE/DATA CABLES. TERMINATE CONDUIT WITH END BUSHING, UNO.
11. ALL WALL PLATES FOR SWITCHES, RECEPTACLES, TELE/DATA JACK, TELEPHONE JACKS, SECURITY AND ALARM SYSTEM SHALL BE ALMOND PLASTIC AND PROVIDED BY THE ELECTRICAL CONTRACTOR.
12. PROVIDE PLASTIC LAMINATE SIGN, RED WITH WHITE LETTERS: "SERVICE DISCONNECT" (1¾"X7½").
13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA BUILDING CODE AND NATIONAL ELECTRICAL CODE.
14. ELECTRICAL CONTRACTOR SHALL INSTALL REQUIRED PULL STRING IN ALL CONDUITS REGARDLESS OF WHO IS INSTALLING CABLES OR WIRING.
15. CONTRACTOR SHALL BE FAMILIAR WITH ELECTRICAL UTILITY AND SHALL MAKE CONTACT TO ARRANGE FOR ELECTRICAL SERVICE. VERIFY EXACT LOCATION OF TRANSFORMER. THE VOLTAGE SHALL BE 120/208 VOLT, 3 PHASE, 4 WIRE.
16. CONTRACTOR SHALL VERIFY POWER REQUIREMENTS FOR ALL EQUIPMENT SUPPLIED BY OTHERS AND NOTIFY ARCHITECT/ENGINEER OF ANY CHANGES. CONTRACTOR SHALL NOT BE REIMBURSED FOR ANY UNDERSIZED WIRING OR DEVICES INSTALLED. THAT MUST BE REMOVED AND REPLACED DUE TO EQUIPMENT SIZE CHANGES. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION, REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION AND SIZE OF EQUIPMENT WHICH IS PROVIDED BY OTHERS AND CONNECTED BY THE CONTRACTOR.
17. ALL PANELBOARDS SHALL BE PROVIDED WITH A TYPEWRITTEN SCHEDULE SHOWING CIRCUIT NUMBERS AND A COMPLETE DESCRIPTION OF EACH CIRCUIT, INCLUDING OFFICIAL ROOM NUMBERS. ALL PANELBOARDS, CABINETS, DISCONNECTS, ETC. SHALL BE PROVIDED WITH SUITABLE PHENOLIC NAMEPLATES.
18. REFER TO MECHANICAL EQUIPMENT SCHEDULES AND SPECIFICATIONS FOR EQUIPMENT THAT IS PROVIDED WITH DISCONNECT SWITCHES OR STARTERS. WHERE INDICATED ON THE DRAWINGS AND NOT PROVIDED WITH THE EQUIPMENT STARTERS OR DISCONNECTS ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. MAINTAIN MINIMUM WORKING SPACE IN FRONT OF SUCH DEVICES PER NEC. COORDINATE WITH MECHANICAL CONTRACTOR.
19. ALL EQUIPMENT SHALL BE UL APPROVED AND SHIPPED TO THE SITE WITH UL LABEL.
20. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE ARCHITECTURAL AND MECHANICAL PLANS TO ASSURE THAT ELECTRICAL SERVICE FOR ALL ITEMS AND/OR EQUIPMENT REQUIRING ELECTRICAL SERVICE IS INCLUDED. ANY ITEM AND/OR EQUIPMENT NOT PROVIDED WITH ELECTRICAL SERVICE, REQUIRING ELECTRICAL SERVICE, SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
21. CONDUIT ROUTING AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL FIELD ROUTE AND LOCATE AS REQUIRED AND PER CODE CLEARANCES.
22. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH SUITABLE PHENOLIC NAMEPLATES.
23. COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND LIFE SAFETY PLAN. PROVIDE FIRE SEALANT AT ALL ELECTRICAL PENETRATIONS THUR FIRE RATED WALLS AND FLOORS SO AS TO MAINTAIN FIRE RATING.
24. FLUORESCENT LAY-IN LIGHT FIXTURES SHALL BE SUSPENDED FROM BUILDING STRUCTURE WITH ONE SUPPORT WIRE ON EACH END.
25. ALL SAFETY SWITCH DISCONNECTS LOCATED IN MECHANICAL ROOMS SHALL HAVE A MINIMUM 3'–0" OF WORKING SPACE IN FRONT OF DEVICE, COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT LOCATIONS.
26. ALL EMPTY CONDUITS SHALL CONTAIN A POLYOLEFIN PULL LINE, JET #232 OR APPROVED EQUAL.
27. ALL LIGHTING SWITCHES SHALL BE LOCATED ON THE STRIKE SIDE OF THE DOOR. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN FOR SWITCHES.
28. CONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER NEC TO PREVENT ENTRANCE OF MOISTURE.
29. FOR 120 VOLT/20 AMP BRANCH CIRCUITS, CONTRACTOR SHALL NOT RUN MORE THAN THREE PHASE CONDUCTORS PLUS THREE NEUTRAL CONDUCTORS IN A SINGLE CONDUIT.
30. FOR SYSTEM DEVICES LOCATED IN NON-ACCESSIBLE CEILING, PROVIDE (OR EXTEND AS NECESSARY) CONDUIT SIZE AS REQUIRED TO NEAREST ACCESSIBLE CEILING.
31. PROVIDE HARC TYPE BREAKERS IN PANELS FOR MECHANICAL EQUIPMENT WHERE PROVIDED.
32. TTB BACKBOARD, 8'X8'X¾" EXT. REDI-SPEC BOARD.

REV	DATE	REVISION NOTES	BY	APPRV BY
3				
2				
1				

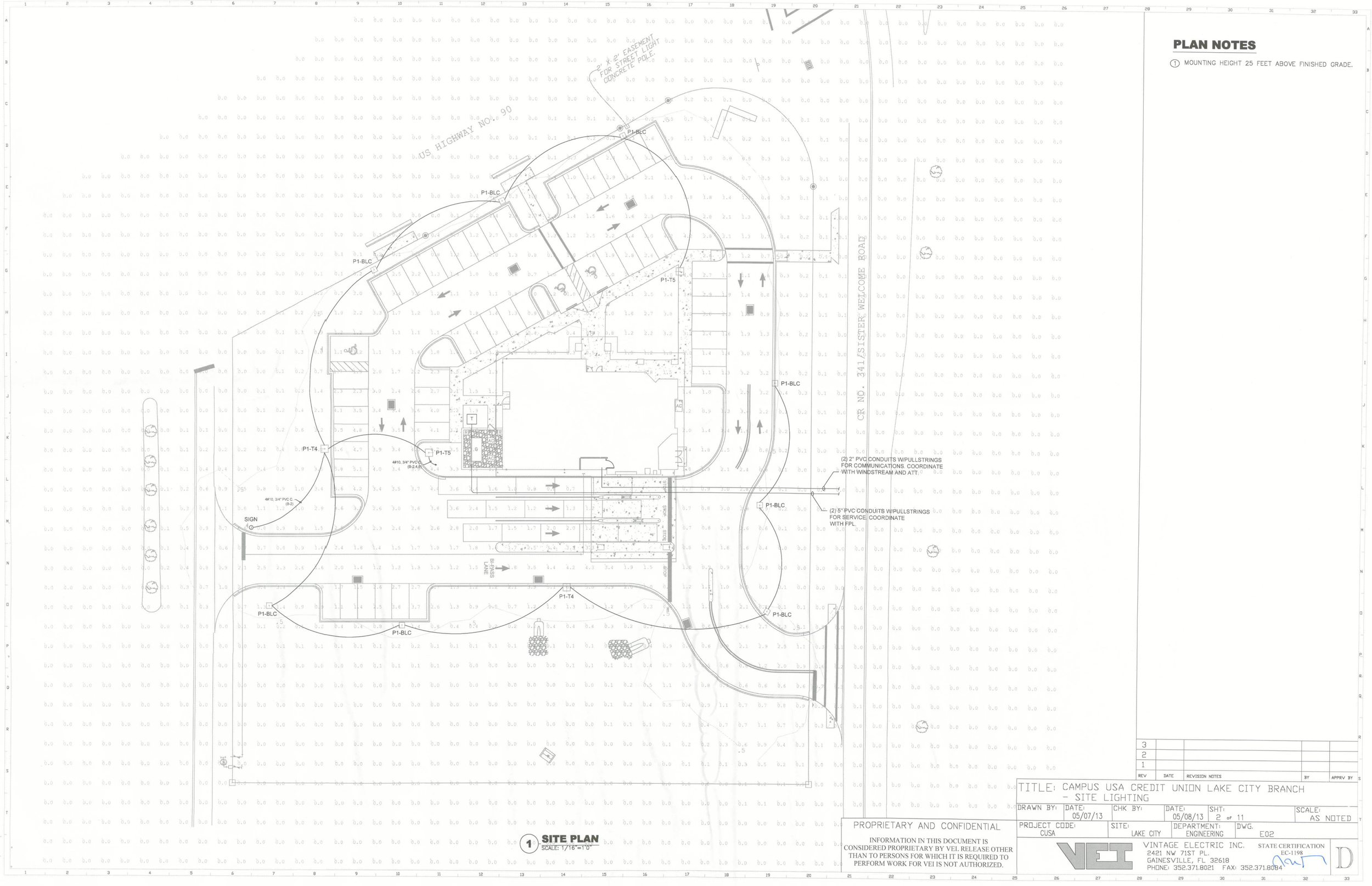
TITLE: CAMPUS USA CREDIT UNION LAKE CITY BRANCH – DRAWING INDEX & SYMBOLS

DRAWN BY:	DATE:	CHK BY:	DATE:	SHT:	SCALE:
SM	05/07/13	MM	05/08/13	1 of 11	NONE

PROJECT CODE:	SITE:	DEPARTMENT:	DWG.
CUSA	LAKE CITY	ENGINEERING	E01

VINTAGE ELECTRIC INC.
2421 NW 71ST PL.
GAINESVILLE, FL. 32618
PHONE: 352.371.8021 FAX: 352.371.8084

STATE CERTIFICATION
EC-11981



1 **SITE PLAN**
SCALE: 1/16" = 1'0"

PLAN NOTES

1. MOUNTING HEIGHT 25 FEET ABOVE FINISHED GRADE.

REV	DATE	REVISION NOTES	BY	APPRV BY
3				
2				
1				

TITLE: CAMPUS USA CREDIT UNION LAKE CITY BRANCH – SITE LIGHTING

DRAWN BY:	DATE:	CHK BY:	DATE:	SHT:	SCALE:
	05/07/13		05/08/13	2 OF 11	AS NOTED

PROJECT CODE:	SITE:	DEPARTMENT:	DWG.
CUSA	LAKE CITY	ENGINEERING	E02

VEI
VINTAGE ELECTRIC INC.
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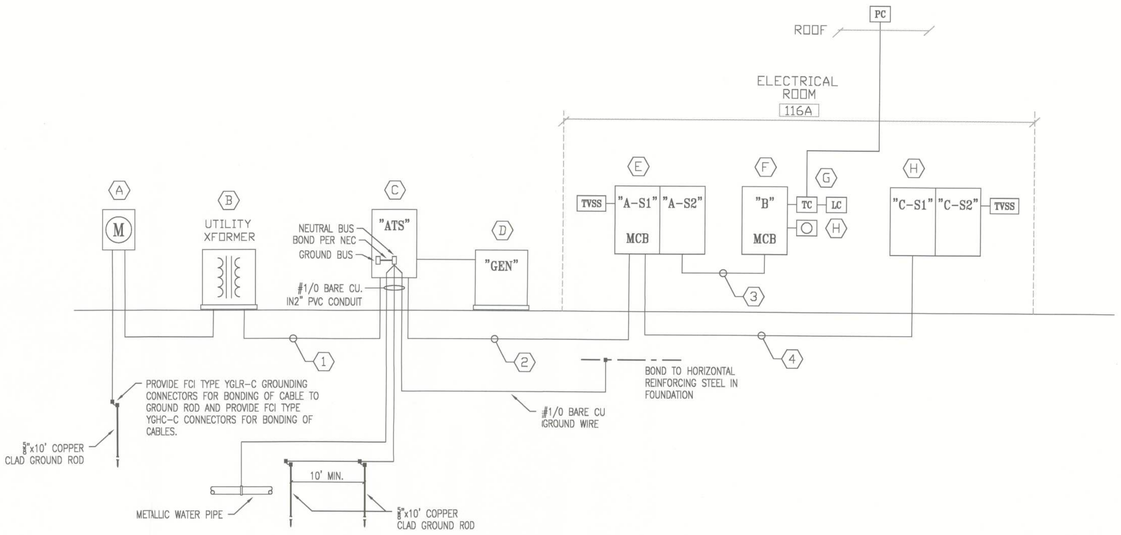
D



1 ELECTRICAL RISER
SCALE: NONE

CONDUIT & CONDUCTOR SCHEDULE:

1. (4)#500 MCM, 4"C
2. (4)#500 MCM, (1)#3, 4"C
3. (4)#3, (1)#6, 1½"C
4. (4)#4/0, (1)#3, 2½"C

NOTES

A. METER CAN.

B. NEW 112.5 KVA 208/120V UTILITY TRANSFORMER.

C. AUTOMATIC TRANSFER SWITCH, 400A, 3PH 208/120V, SERVICE RATED.

D. 80KW GENERATOR, 208Y120V WITH 160 GALLON DIESEL BASE TANK.

D. PANEL "A-S1", "A-S2", 400A, 208/120V MCB.

E. PANEL "B1", 100A, 3PH 208/120V MCB.

F. PROVIDE LOAD METERING DEVICE WITH ENCLOSURE AND CT'S, 100:5 CT.

H. PROVIDE 2-CHANNEL ELECTRONIC TIME CLOCK AND (2) 4-POLE LIGHTING CONTACTORS, INTERFACE WITH ROOF MOUNTED PHOTOCELL.

I. PANEL "C-S1", "C-S2", 225A, 3PH 208/120V MCB.

GENERAL NOTES

1. PROVIDE SURGE PROTECTOR MOUNTED DIRECTLY TO PANEL AS CLOSE AS POSSIBLE TO BREAKER. 100KA PEAK AMP CAPACITY HUBBELL CAT. HBL4W100, OR APPROVED EQUAL.
2. CONTRACTOR SHALL BE FAMILIAR WITH ELECTRICAL UTILITY AND SHALL MAKE CONTACT TO ARRANGE FOR ELECTRICAL SERVICE. VERIFY EXACT LOCATION OF TRANSFORMER. THE VOLTAGE SHALL BE 120/208 VOLT, 3 PHASE, 4 WIRE.
3. PROVIDE FCI TYPE YGLR-C GROUNDING CONNECTORS FOR BONDING OF CABLE TO GROUND ROD AND PROVIDE FCI TYPE YGHC-C CONNECTORS FOR BONDING OF CABLES.
4. PROVIDE CIRCUIT BREAKER ENCLOSURE WITH SERVICE ENTRANCE-TYPE UL LABEL.
5. IF REQUIRED BY LOCAL UTILITY COMPANY, PROVIDE EQUIPMENT #1 GROUND TO GROUND BUS IN METER ENCLOSURE. PROVIDE A ¾" PVC CONDUIT TO CONCEAL CONDUCTOR ABOVE GRADE.
6. CONTRACTOR SHALL PROVIDE A 400 AMP COMMERCIAL METER CAN (K BASE) WITH BYPASS HANDLE. VERIFY EXACT METERING REQUIREMENTS WITH LOCAL POWER COMPANY.
7. SEE SHEET E-12 FOR GENERATOR TAP BOX DETAIL.
8. MANUAL TRANSFER SWITCH, 400 AMP, 3 POLE WITH SOLID NEUTRAL, NEMA 3R ENCLOSURE. PROVIDE OPERATING INSTRUCTION PLAQUE AT FRONT OF ENCLOSURE. SEE SHEET E-13 SWITCHING INSTRUCTIONS.

ELECTRICAL LOAD CALCULATION

LOAD DESCRIPTION	QUANTITY *(OR SF)*	VA	WATTS PER SQ. FT.	CONTINUOUS LOAD	ADD 25% VA *(IF CONTINUOUS LOAD, EXISTING LOAD OR LARGEST MOTOR)*	TOTAL VA
GENERAL LIGHTING (OFFICE OCCUPANCY)	4500	3.5		Y		15,750
ADD 1 VA FOR GENERAL USE RECEPTACLES	4500	1		N		4500
ATM	1	1500		N		1500
SIGN CIRCUIT	1	1500		N		1500
NIGHT DEPOSITORY	1	720		N		720
REFRIGERATOR	1	1200		N		1200
EWH	1	1500		N		1500
SUB-TOTAL						25,170
						25,170
AHU 1 & 2 (7.5 TON AHU W/ 7.45 KW HEAT)	2	7591		N		15,182.0
HP 1 & 2	2	10,116		Y	2529.0	22,761.0
MINI SPLIT ELEC. ROOM	1	4368		N		4368.0
TUBE BLOWER MOTORS	3	2620.8		Y		7862.40
PARKING LOT LIGHTING	***8***	***200***		***Y***		***2000.0***
TOTAL VA						**77,343.40**

SERVICE SIZE = (@ 208Y120V 3PH 4W)	**214.69**	**MINIMUM AMPACITY**
SERVICE SIZE CONSTRUCTED =	**400A**	**208Y120V 3PH 4W**
GENERATOR SIZE 80KW =	**222.22**	**RATED GENERATOR OUTPUT @ 208Y120V 3PH**

PANEL SCHEDULE

DESCRIPTION	RATING	POLES	PH.	MCB	AIC	TVSS	MLO	AIC@ TERM	VOLTAGE
PANEL A	400A	4	3	400A	22K	Y		22K	120/208V
PANEL B	100A	4	3	100A	18K	Y		18K	120/208V
PANEL C	225A	4	3	100A	18K	Y		18K	120/208V

FEEDER FAULT CURRENT REPORT SINGLE AND THREE PHASE CIRCUITS

DESIGNATION	FEEDER RATING	FEEDER VOLTAGE	AVAILABLE FLT. AT SOURCE	PH.	LENGTH	WIRE SIZE	INDUCTION MTRS. FLA	SYNCHRONOUS MOTORS FLA	FAULT CURRENT
F1	400A	208V	22,178A	3	20 FT.	500 MCM	NA	NA	18,761A
F2	400A	208V	18,761A	3	65 FT.	500 MCM	NA	NA	12,373A
F3	100A	208V	12,373A	3	15 FT.	#3	NA	NA	10,689A
F4	225A	208V	12,373A	3	15 FT.	#4/0	NA	NA	11,423A

2 ELECTRICAL CALCULATIONS
SCALE: NONE

REV	DATE	REVISION NOTES	BY	APPRV BY
3				
2				
1				

TITLE: CAMPUS USA CREDIT UNION LAKE CITY BRANCH – ELECTRICAL RISER & CALS.

DRAWN BY:	DATE:	CHK BY:	DATE:	SHT:	SCALE:
SM	05/07/13	MM	05/08/13	3 of 11	NONE

PROJECT CODE:	SITE:	DEPARTMENT:	DWG.
CUSA	LAKE CITY	ENGINEERING	E03

VINTAGE ELECTRIC INC.
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STATE CERTIFICATION EC13198

D

BRANCH CIRCUIT PANELBOARD SCHEDULE

PANEL: "A"

120Y/208 VOLT, THREE PHASE, 4-WIRE SERVICE. PROVIDE GROUND BAR SERIES AIC: 18K
400A MCB ALL LOAD-SIDE BREAKERS SHALL BE SERIES RATED WITH UPSTREAM MAIN BREAKER OR DISCONNECT.

TYPE: NOOD
MOUNTING: SURFACE

DESIGNATION	WIRE			BREAKER		CIR NO	Aϕ	Bϕ	Cϕ	Cϕ	Bϕ	Aϕ	CIR NO	BREAKER		WIRE			DESIGNATION
	HOT	NEUT	GRD	AMP	POLES		Amperage / Phase							POLES	AMP	GRD	NEUT	HOT	
CU#1	8	8	8	45	3	1	28.1					36.0	2	3	100	3	3	3	PANEL "B"
"	"	"	"	"	"	3		28.1			17.0		4	"	"	"	"	"	"
"	"	"	"	"	"	5			28.1	10.0			6	"	"	"	"	"	"
CU#2	8	8	8	45	3	7	28.1					141.0	8	3	225	4/0	4/0	4/0	PANEL "C"
"	"	"	"	"	"	9		28.1			89.0		10	"	"	"	"	"	"
"	"	"	"	"	"	11			28.1	95.0			12	"	"	"	"	"	"
AHU#1	12	12	12	15	3	13	6.6					1.5	14	1	20	12	12	12	TELLER AREA RECEPTACLES
"	"	"	"	"	"	15		6.6			1.5		16	1	20	12	12	12	TELLER AREA RECEPTACLES
"	"	"	"	"	"	17			6.6	3.0			18	1	20	12	12	12	TELLER AREA RECEPTACLES
AHU#1 HEAT (7.45KW)	8	8	8	35	3	19	20.6					3.0	20	1	20	12	12	12	TELLER AREA RECEPTACLES
"	"	"	"	"	"	21		20.6					22						
"	"	"	"	"	"	23			20.6	3.0			24	1	20	12	12	12	TELLER AREA RECEPTACLES
AHU#2	12	12	12	15	3	25	6.6					1.5	26	1	20	12	12	12	MECH. ROOM RECEPTACLES
"	"	"	"	"	"	27		6.6			4.5		28	1	20	12	12	12	DRIVE THUR & ATM RECEPTACLES
"	"	"	"	"	"	29			6.6	4.5			30	1	20	12	12	12	DRIVE THUR & ELECT. RM. RECEPT.
AHU#2 HEAT (7.45KW)	8	8	8	35	3	31	20.6					6.0	32	1	20	12	12	12	CUSTODIAL & RM. 114 RECEPTACLES
"	"	"	"	"	"	33		20.6			6.0		34	1	20	12	12	12	VENDING RECEPTACLES
"	"	"	"	"	"	35			20.6	6.0			36	1	20	12	12	12	VENDING RECEPTACLES
						37						6.0	38	1	20	12	12	12	VENDING RECEPTACLES
						39					6.0		40	1	20	12	12	12	VENDING RECEPTACLES
EWH	12	12	12	20	2	41			14.4	3.0			42	1	20	12	12	12	BREAK ROOM RECEPTACLES
"	"	"	"	"	"	43	14.4					3.0	44	1	20	12	12	12	RECEPTACLES
						45					3.0		46	1	20	12	12	12	CONF. ROOM RECEPTACLES
						47				3.0			48	1	20	12	12	12	OFFICE 108 RECEPTACLES
						49						11.0	50	1	20	12	12	12	COPIER
						51					3.0		52	1	20	12	12	12	WORK ROOM 107 RECEPTACLES
						53				3.0			54	1	20	12	12	12	OUTDOOR GFCI
						55							56						
						57							58						
						59							60						

TOTALS (MAX LOAD / PH) 334.6 125.0 110.6 125.0 130.8 130.7 209.6

TOTAL CONNECTED LOAD / PH (AMPS) 334.6

MAIN CB SIZE SELECTED **400A**

BRANCH CIRCUIT PANELBOARD SCHEDULE

PANEL: "B"

120Y/208 VOLT, THREE PHASE, 4-WIRE SERVICE. PROVIDE GROUND BAR SERIES AIC: 18K
225A M.L.O. ALL LOAD-SIDE BREAKERS SHALL BE SERIES RATED WITH UPSTREAM MAIN BREAKER OR DISCONNECT.

TYPE: NOOD
MOUNTING: SURFACE

DESIGNATION	WIRE			BREAKER		CIR NO	Aϕ	Bϕ	Cϕ	Cϕ	Bϕ	Aϕ	CIR NO	BREAKER		WIRE			DESIGNATION
	HOT	NEUT	GRD	AMP	POLES		Amperage / Phase							POLES	AMP	GRD	NEUT	HOT	
TELLER & LOBBY LIGHTING	12	12	12	20	1	1	12.1					3.8	2	2	20	10	10	10	SITE LIGHTING - POLES
LOBBY & OFFICE LIGHTING	12	12	12	20	1	3		13.6			3.8		4	"	"	"	"	"	" "
SOFFIT LIGHTING	12	12	12	20	1	5			2.3	8.0			6	1	20	10	10	10	SITE SIGN
SIGN LIGHTING	12	12	12	20	1	7	8.0					12.5	8	1	20	12	12	12	DRIVE THUR LIGHTING
						9							10						
						11							12						
						13							14						
						15							16						
						17							18						
						19							20						
						21							22						
						23							24						

TOTALS (MAX LOAD / PH) 36.4 20.1 13.6 2.3 8.0 3.8 16.3

TOTAL CONNECTED LOAD / PH (AMPS) 36.4

MAIN CB SIZE SELECTED **100A**

BRANCH CIRCUIT PANELBOARD SCHEDULE

PANEL: "C"

120Y/208 VOLT, THREE PHASE, 4-WIRE SERVICE. PROVIDE GROUND BAR SERIES AIC: 18K
225A M.L.O. ALL LOAD-SIDE BREAKERS SHALL BE SERIES RATED WITH UPSTREAM MAIN BREAKER OR DISCONNECT.

TYPE: NOOD
MOUNTING: SURFACE

DESIGNATION	WIRE			BREAKER		CIR NO	Aϕ	Bϕ	Cϕ	Cϕ	Bϕ	Aϕ	CIR NO	BREAKER		WIRE			DESIGNATION
	HOT	NEUT	GRD	AMP	POLES		Amperage / Phase							POLES	AMP	GRD	NEUT	HOT	
MINI SPLIT AC UNIT	12	12	12	20	2	1	12.4					116.0	2	2	25	10	10	10	TUBE BLOWER MOTOR
" "	"	"	"	"	"	3		12.4			16.0		4	"	"	"	"	"	" "
DATA ROOM RECEPTACLE	12	12	12	20	1	5			3.0	16.0			6	2	25	10	10	10	TUBE BLOWER MOTOR
DATA ROOM RECEPTACLE	12	12	12	20	1	7	3.0					116.0	8	"	"	"	"	"	" "
DATA ROOM RECEPTACLE	12	12	12	20	1	9		3.0			16.0		10	2	25	10	10	10	TUBE BLOWER MOTOR
DATA ROOM RECEPTACLE	12	12	12	20	1	11			3.0	16.0			12	"	"	"	"	"	" "
DATA ROOM RECEPTACLE	12	12	12	20	1	13	3.0						14						
DATA ROOM RECEPTACLE	12	12	12	20	1	15		3.0					16						
DATA ROOM RECEPTACLE	12	12	12	20	1	17			3.0	6.0			18	1	20	12	12	12	DRIVE THUR KIOSK
DATA ROOM RECEPTACLE	12	12	12	20	1	19	3.0					16.0	20	1	20	12	12	12	DRIVE THUR KIOSK
DATA ROOM LIGHTING	12	12	12	20	1	21		3.0			5.0		22	1	20	12	12	12	DRIVE THUR TELLER RECEPTACLES
TELLER LINE RECEPTACLE	12	12	12	20	1	23			5.0	5.0			24	1	20	12	12	12	DRIVE THUR TELLER RECEPTACLES
TELLER LINE RECEPTACLE	12	12	12	20	1	25	5.0					113.8	26	1	20	12	12	12	LIGHTING
TELLER LINE RECEPTACLE	12	12	12	20	1	27		5.0					28						
TELLER WORK COUNTER RECEPT.	12	12	12	20	1	29			5.0	6.0			30	1	20	12	12	12	NIGHT DEPOSITORY
HEAD TELLER WORK CTR. RECEPT.	12	12	12	20	1	31	5.0					12.0	32	1	20	12	12	12	ATM
HEAD TELLER WORK CTR. RECEPT.	12	12	12	20	1	33		5.0			3.0		34	1	20	12	12	12	MECHANICAL YARD LIGHTING
HEAD TELLER WORK CTR. RECEPT.	12	12	12	20	1	35			5.0	4.0			36	1	20	12	12	12	SECURITY PORTAL PANEL
CASH DISPENSER DRIVE THRU	12	12	12	20	1	37	12.0					4.0	38	2	20	12	12	12	" "
CASH DISPENSER TELLER LINE	12	12	12	20	1	39		12.0					40	1	20	12	12	12	FLOOR OUTLET - LOBBY
CASH DISPENSER TELLER LINE	12	12	12	20	1	41			12.0				42						
CASH DISPENSER TELLER LINE	12	12	12	20	1	43	12.0						44						
VAULT POWER	12	12	12	20	1	45		1.5					46						
CONFERENCE RECEPTACLE	12	12	12	20	1	47			3.0				48						
OFFICE RECEPTACLES	12	12	12	20	1	49	4.5						50						
OFFICE RECEPTACLES	12	12	12	20	1	51		3.0					52						
OFFICE RECEPTACLES	12	12	12	20	1	53			3.0				54						
MODULAR FURNITURE RECEPTACLES	12	12	12	20	1	55	13.5						56						
						57							58						
						59							60						

TOTALS (MAX LOAD / PH) 141.2 73.4 47.9 42.0 53.0 41.5 657.8

TOTAL CONNECTED LOAD / PH (AMPS) 141.2

MAIN CB SIZE SELECTED **225A**

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUF.	DESCRIPTION	CATALOG NUMBER	LAMP	WATTAGE
A	DAYBRITE	18 CELL 2'X4' PARABOLIC WITH DUAL LEVEL SWITCHING	2LP3GS-332-36AL-UNV-1/2IEB	(3) T8	32
AE	DAYBRITE	18 CELL 2'X4' PARABOLIC WITH DUAL LEVEL SWITCHING	2LP3GS-332-36AL-UNV-1/2IEB	(3) T8	32
BATT	CHLORIDE	FIELD INSTALLED BATTERY PACK WITH SELF TEST OPTION	C1400-STN		
B	DAYBRITE	2'X4' LENSED LAY-IN - GRID	2SPG-232-FA12-UNV-1/2EB	(2) T8	64
CE	DAYBRITE	1'X4' LAYIN W/ EMERG. BALLAST	2SPG-232-FA12-UNV-1/2EB	(2) T8	64
D	DAYBRITE	2'X4' LENSED LAY-IN - FLANGE KIT	2SPF-232-FA12-UNV-1/2EB	(2) T8	32
E	DAYBRITE	INDUSTRIAL STRIP WITH WIREGUARD AND CHAIN HANGER	IA232-UNV-1/2EB-FKR173-FKR126	(2) T8	32
EXIT	BEGHELLI	SINGLE FACE EXIT WITH SELF TEST OPTION	DL2-SA-LR-1-C-CR-AT	LED	10W
G	INFINITY	6" RECESSED FLUORESCENT DOWN-LIGHT	PV60-132T-EB-CS-BH	(1) GX24	132
GD	INFINITY	6" RECESSED FLUORESCENT DOWN-LIGHT, DIMMING	PV60-132T-EB-CS-BH	(1) GX24	
GE	INFINITY	SAME AS ABOVE WITH SELF TEST BATTERY PACK	PV60-132T-EB-CS-BH-EM/B74CST	(1) GX24	132
G1	INFINITY	7-1/2" RECESSED HID DOWN-LIGHT	DMH75-70MH-ED17-MP-MED-CS-BH	(1)	70
J	DAYBRITE	~~M.I.D. 2'X2' RECESSED LENSED~~ LAY-IN WITH DOUBLE GASKETING - FLANGE KIT	RDS-175P-MT-SFA--138C-2W-LP-FMA22	(1) PSMH	175
T8	LEDALITE	8' SUSPENDED LINEAR FLUORESCENT FIXTURE	9505-H01-L-N-8'-1-1-E-W	(1) T5HO	108
T8E	LEDALITE	~~8' SUSPENDED LINEAR~~ FLUORESCENT FIXTURE WITH BATTERY PACK	9505-H01-L-N-8'-5-1-E-W	(1) T5HO	130
T24	LEDALITE	3 - 8' SUSPENDED LINEAR FLUORESCENT FIXTURES	9505-H01-L-N-24'-1-1-E-W	(1) T5HO	324
T24E	LEDALITE	~~3 - 8' SUSPENDED LINEAR~~ FLUORESCENT FIXTURES WITH BATTERY PACK	9505-H01-L-N-24'-5-1-E-W	(1) T5HO	344
T32	LEDALITE	4 - 8' SUSPENDED LINEAR FLUORESCENT FIXTURES	9505-H01-L-N-32'-1-1-E-W	(1) T5HO	432
T32E	LEDALITE	~~4 - 8' SUSPENDED LINEAR~~ FLUORESCENT FIXTURES WITH BATTERY PACK	9505-H01-L-N-32'-5-1-E-W	(1) T5HO	452
T4	LEDALITE	4' WALL MOUNTED LINEAR FLUORESCENT	9508-H01-L-N-4'-1-1-E-W	(1) T5HO	54
P1-T4	BETA	HID POLE MOUNTED FIXTURE	EMCO: ECA18-FH-210MCE	(1)	225
P1-T5	BETA	HID POLE MOUNTED FIXTURE	EMCO: ECA18-QH-210MCE	(1)	225
P1-BLC	BETA	HID POLE MOUNTED FIXTURE	EMCO: ECA18-BLC-210MCE	(1)	225
POLE	SEMINOLE POLE	20' CONCRETE POLE / 20' OVERALL & 15' ABOVE GRADE	SP2015T11-2-3/8" TENON		
W	BETA	WALL PACK	TO MATCH B3S	LED	36

REV	DATE	REVISION NOTES	BY	APPRV BY
3				
2				
1				

TITLE: CAMPUS USA CREDIT UNION LAKE CITY BRANCH - PANEL SCHEDULES

DRAWN BY:	DATE:	CHK BY:	DATE:	SHT:	SCALE:
SW	05/07/13	MM	05/08/13	4 OF 11	NONE

PROJECT CODE:	SITE:	DEPARTMENT:	DWG.
CUSA	LAKE CITY	ENGINEERING	E04

VINTAGE ELECTRIC INC.
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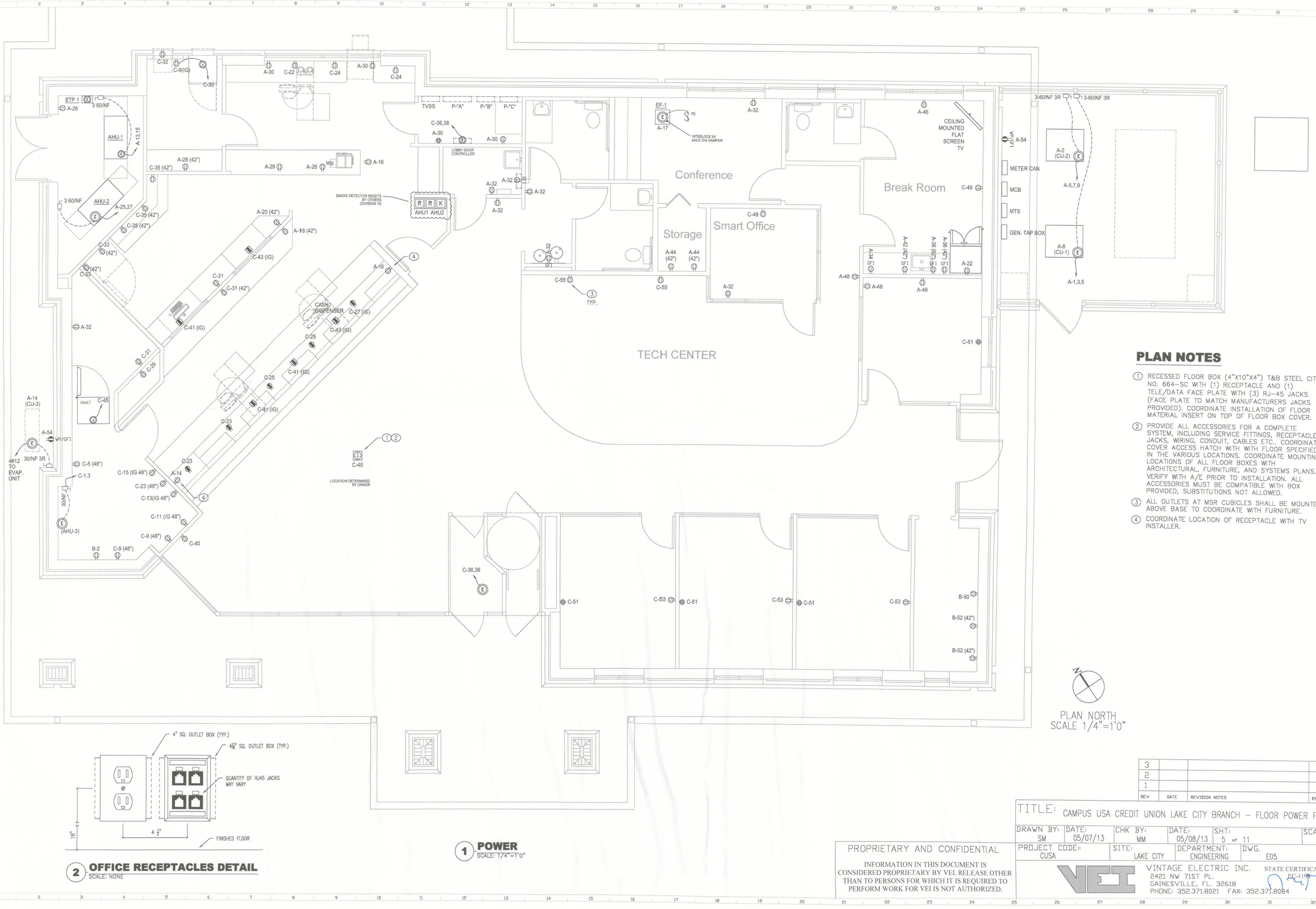
STATE CERTIFICATION EC-11987



PLAN NOTES

1. RECESSED FLOOR BOX (4"X10"X4") T&B STEEL CITY NO. 664–SC WITH (1) RECEPTACLE AND (1) TELE/DATA FACE PLATE WITH (3) RJ–45 JACKS (FACE PLATE TO MATCH MANUFACTURERS JACKS PROVIDED). COORDINATE INSTALLATION OF FLOOR MATERIAL INSERT ON TOP OF FLOOR BOX COVER.
2. PROVIDE ALL ACCESSORIES FOR A COMPLETE SYSTEM, INCLUDING SERVICE FITTINGS, RECEPTACLES, JACKS, WIRING, CONDUIT, CABLES ETC.. COORDINATE COVER ACCESS HATCH WITH WITH FLOOR SPECIFIED IN THE VARIOUS LOCATIONS. COORDINATE MOUNTING LOCATIONS OF ALL FLOOR BOXES WITH ARCHITECTURAL, FURNITURE, AND SYSTEMS PLANS. VERIFY WITH A/E PRIOR TO INSTALLATION. ALL ACCESSORIES MUST BE COMPATIBLE WITH BOX PROVIDED, SUBSTITUTIONS NOT ALLOWED.
3. ALL OUTLETS AT MSR CUBICLES SHALL BE MOUNTED ABOVE BASE TO COORDINATE WITH FURNITURE.
4. COORDINATE LOCATION OF RECEPTACLE WITH TV INSTALLER.

PLAN NORTH
SCALE 1/4"=1'0"

2 OFFICE RECEPTACLES DETAIL
SCALE: NONE

1 POWER
SCALE: 1/4"=1'0"

REV	DATE	REVISION NOTES	BY	APPRV BY
3				
2				
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TITLE: CAMPUS USA CREDIT UNION LAKE CITY BRANCH – FLOOR POWER PLAN

DRAWN BY:	DATE:	CHK BY:	DATE:	SHT:	SCALE:
SM	05/07/13	MM	05/08/13	5 of 11	AS NOTED

PROJECT CODE:	SITE:	DEPARTMENT:	DWG.
CUSA	LAKE CITY	ENGINEERING	E05

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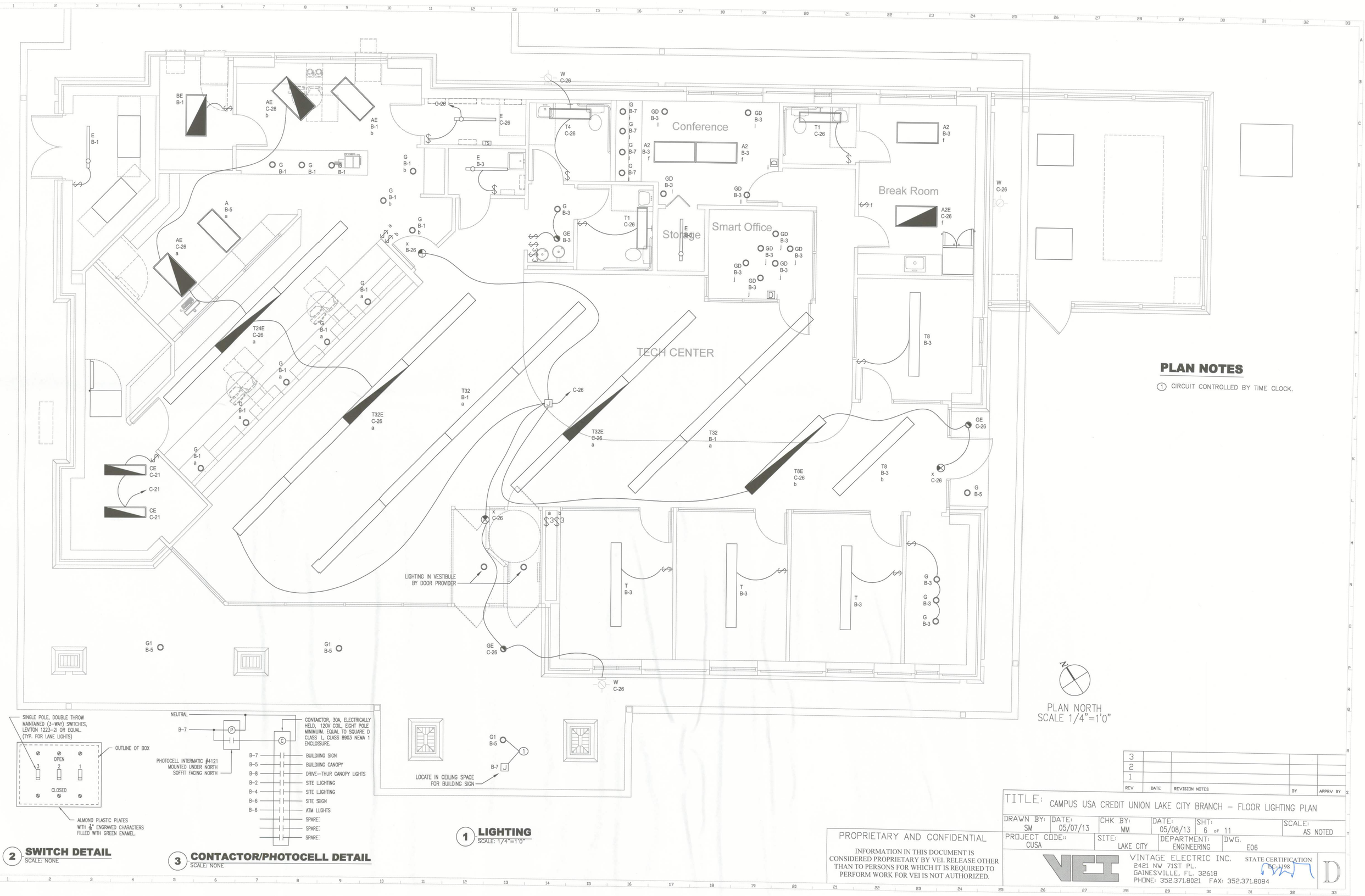

PLAN NOTES

1. CIRCUIT CONTROLLED BY TIME CLOCK.

PLAN NORTH
SCALE 1/4"=1'0"

2 SWITCH DETAIL
SCALE: NONE

3 CONTACTOR/PHOTOCELL DETAIL
SCALE: NONE

1 LIGHTING
SCALE: 1/4"=1'0"

REV	DATE	REVISION NOTES	BY	APPRV BY
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2				
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TITLE: CAMPUS USA CREDIT UNION LAKE CITY BRANCH – FLOOR LIGHTING PLAN

DRAWN BY:	DATE:	CHK BY:	DATE:	SHT:	SCALE:
SM	05/07/13	MM	05/08/13	6 of 11	AS NOTED

PROJECT CODE:	SITE:	DEPARTMENT:	DWG.
CUSA	LAKE CITY	ENGINEERING	E06

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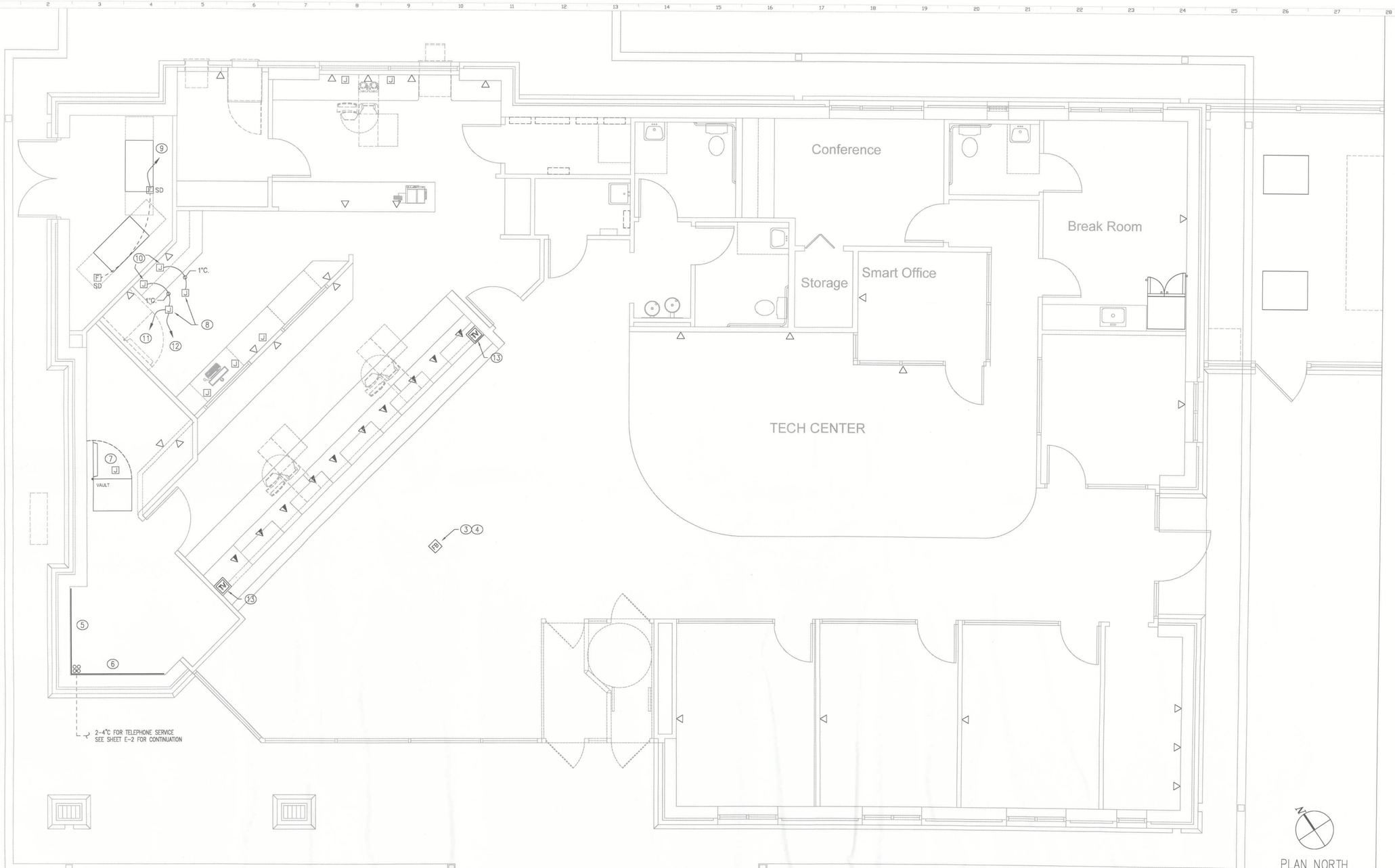


GENERAL NOTES

1. COORDINATE ALL DATA LOCATIONS WITH OWNER PRIOR TO INSTALLATION.

PLAN NOTES

(1) 4'X8'X¾" PLYWOOD, EXTERIOR GRADE, PAINTED WITH 2 COATS OF TAN FIRE RETARDANT PAINT, FOR VOICE/DATA EQUIPMENT.

(2) 4'X8'X¾" PLYWOOD, EXTERIOR GRADE, PAINTED WITH 2 COATS OF TAN FIRE RETARDANT PAINT, FOR TELEPHONE EQUIPMENT. RUN 1#6 GROUND WIRE TO ELECTRICAL SERVICE GROUND. LEAVE 72" OF SLACK GREEN WIRE AT BACKBOARD. PROVIDE GROUND BAR WITH 6 LUGS TO TERMINATE SERVICE GROUND AT TELEPHONE BOARD AND TO TERMINATION POINTS TO TELEPHONE EQUIPMENT.

(3) RECESSED FLOOR BOX (4"X10"X4") T&B STEEL CITY NO. 664-SC WITH (1) RECEPTACLE AND (1) TELE/DATA FACE PLATE WITH (3) RJ-45 JACKS (FACE PLATE TO MATCH MANUFACTURERS JACKS PROVIDED). COORDINATE INSTALLATION OF FLOOR MATERIAL INSERT ON TOP OF FLOOR BOX COVER.

(4) PROVIDE ALL ACCESSORIES FOR A COMPLETE SYSTEM, INCLUDING SERVICE FITTINGS, RECEPTACLES, JACKS, WIRING, CONDUIT, CABLES ETC.. COORDINATE COVER ACCESS HATCH WITH WITH FLOOR SPECIFIED IN THE VARIOUS LOCATIONS. COORDINATE MOUNTING LOCATIONS OF ALL FLOOR BOXES WITH ARCHITECTURAL, FURNITURE, AND SYSTEMS PLANS. VERIFY WITH A/E PRIOR TO INSTALLATION. ALL ACCESSORIES MUST BE COMPATIBLE WITH BOX PROVIDED, SUBSTITUTIONS NOT ALLOWED.

(5) TELEPHONE EQUIPMENT/TERMINATION BACKBOARD, SEE DETAIL.

(6) VOICE/DATA BACKBOARD, SEE DETAIL.

(7) JUNCTION BOX FOR CONNECTION OF SAFE TO ALARM SYSTEM.

(8) 6"x6"x2" JUNCTION BOX ABOVE CEILING FOR CONNECTION OF VESTIBULE FOR POWER AND CONTROLS.

(9) 2#14,2 ½"C. TO ELECTRICALLY OPERATED LOBBY DOOR CONTROLLER. COORDINATE WITH DOOR INSTALLER. DOORS SHALL RELEASE UPON ACTIVATION OF ANY DUCT DETECTED.

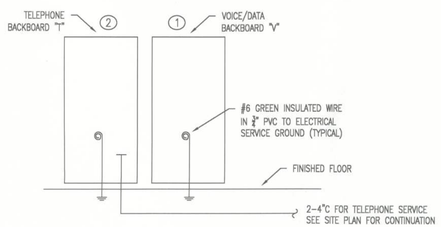
(10) 4"X2⅛" D JUNCTION BOX, 18" AFF.

(11) ¾"C. ABOVE TO ELECTRICAL DOOR. TERMINATE 6" BELOW CEILING ABOVE LOBBY DOOR CONTROLLER.

(12) 1¼"C. IN CEILING TO LOBBY DOOR. COORDINATE WITH LOBBY DOOR INSTALLER FOR TERMINATION.

(13) COORDINATE LOCATION OF JUNCTION BOX WITH TV INSTALLER.

PLAN NORTH
SCALE 1/4"=1'0"



2 VOICE/DATA DETAIL
SCALE: NONE

1 DATA
SCALE: 1/4"=1'0"

REV	DATE	REVISION NOTES	BY	APPRV BY
3				
2				
1				

TITLE: CAMPUS USA CREDIT UNION LAKE CITY BRANCH - FLOOR DATA PLAN

DRAWN BY:	DATE:	CHK BY:	DATE:	SHT:	SCALE:
SM	05/07/13	MM	05/08/13	7 of 11	1/4"=1'

PROJECT CODE:	SITE:	DEPARTMENT:	DWG.
CUSA	LAKE CITY	ENGINEERING	E07

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