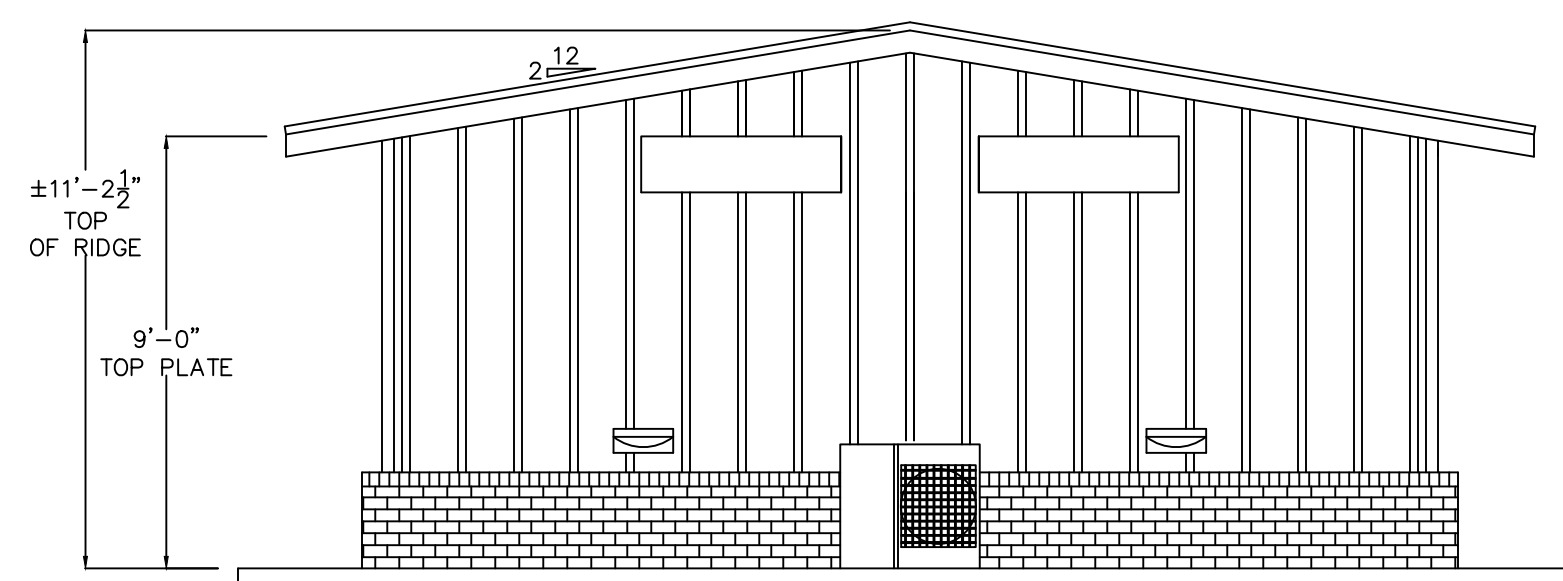
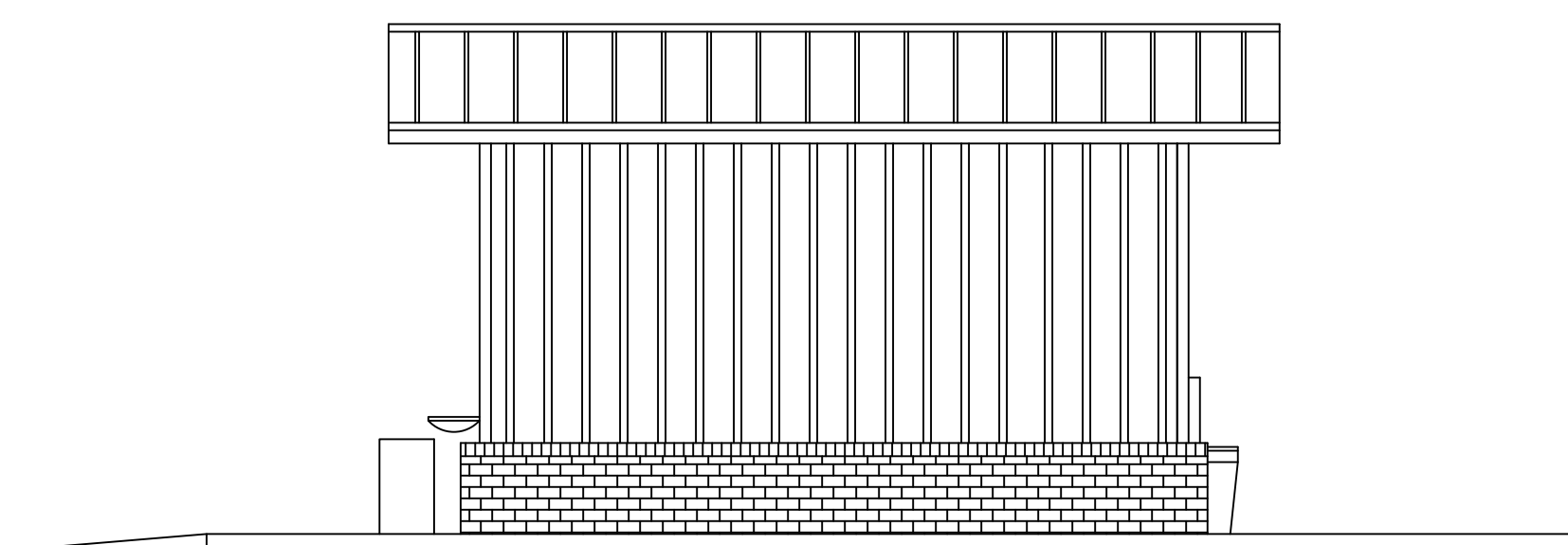


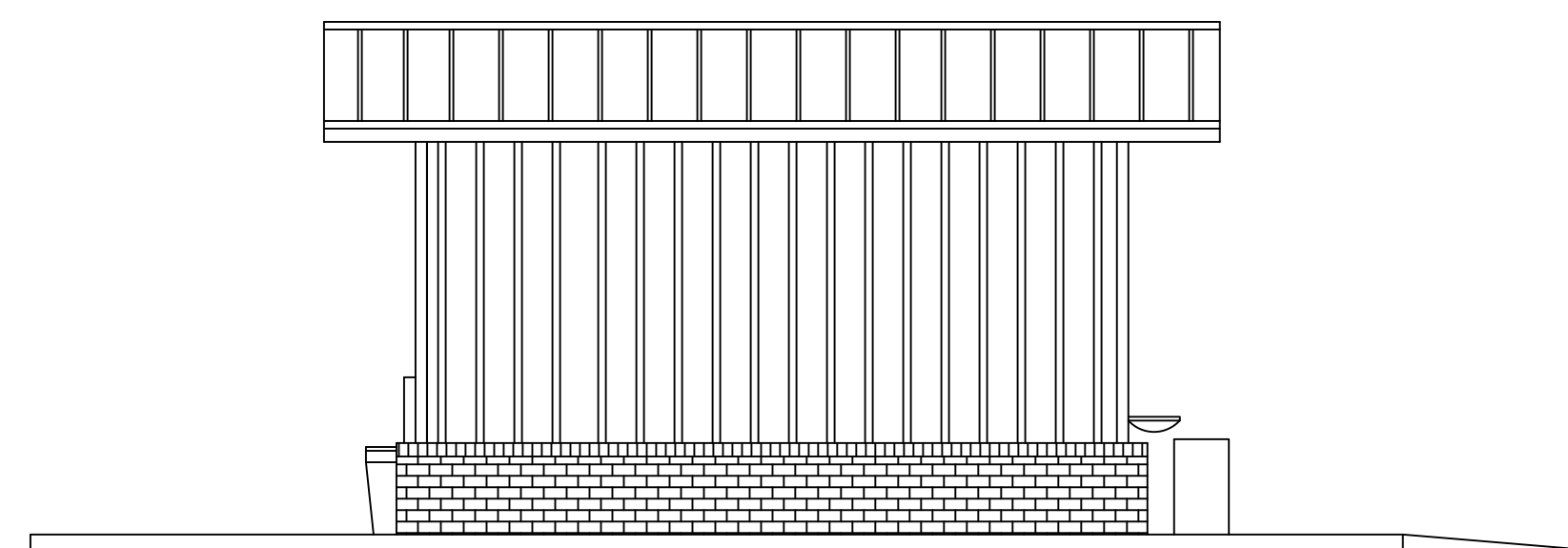
FRONT ELEVATION: 1/4"=1'-0"



REAR ELEVATION: 1/4"=1'-0"



LEFT ELEVATION: 1/4"=1'-0"



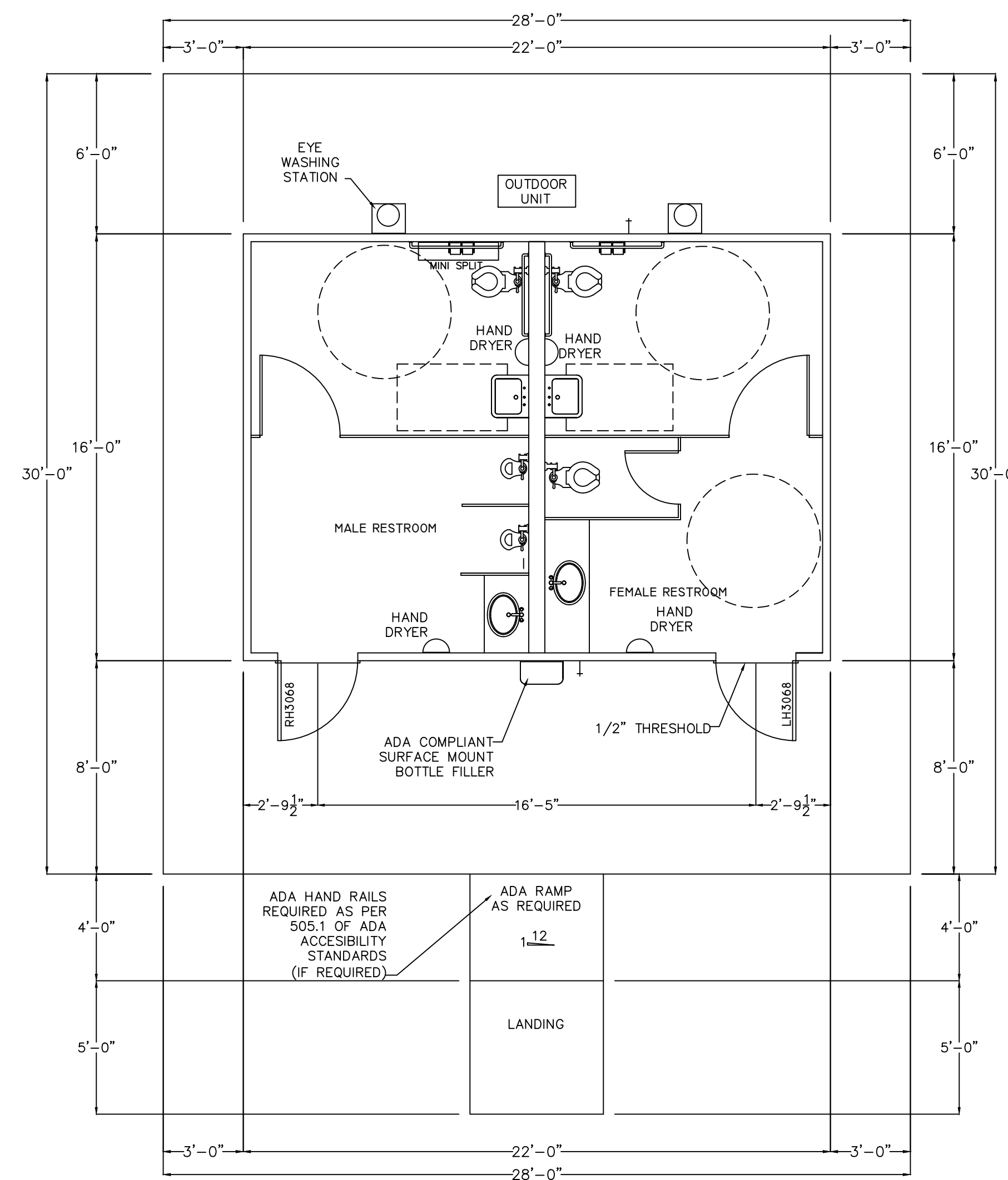
RIGHT ELEVATION: 1/4"=1'-0"

SHEET INDEX:

ELEVATIONS/FLOOR PLAN
 FOUNDATION PLAN/TRUSS PLAN
 SEWER PLAN
 POWER PLAN
 STRUCTURAL DETAILS

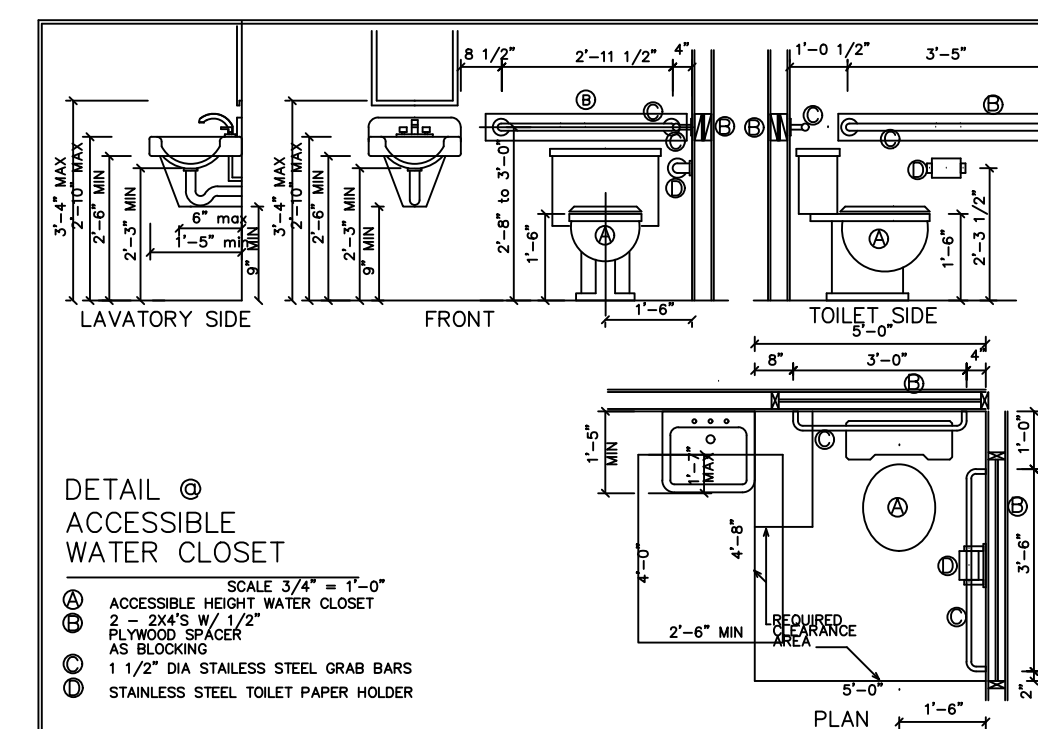
A-1
 A-2
 P-1
 E-1
 SI-4

TOTAL AREA: 352 SQ. FT.
 PROJECT: RESTROOMS



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

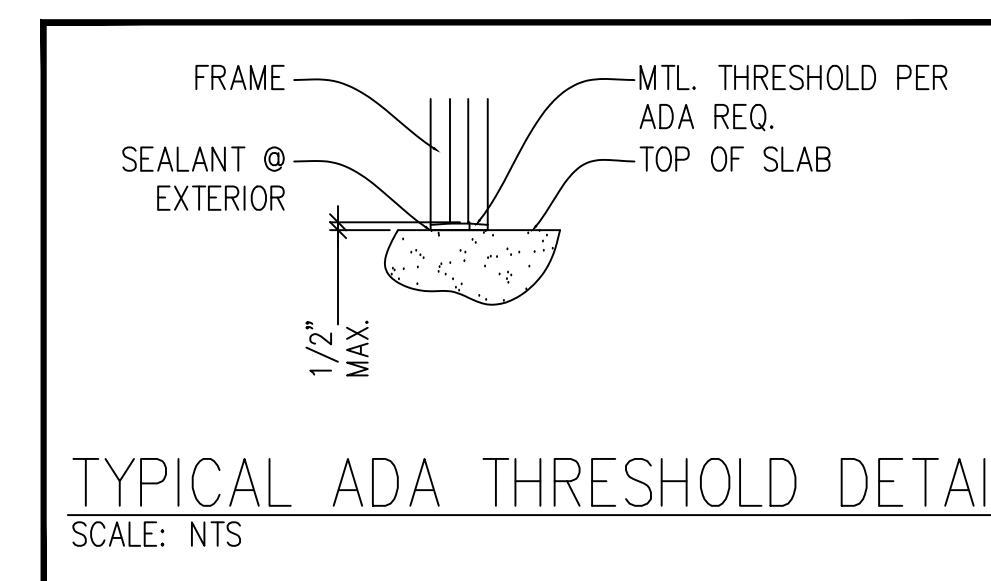
● 5/8" ALL THREAD @ 25' MINIMUM



DETAIL @
 ACCESSIBLE
 WATER CLOSET
 SCALE 3/4"=1'-0"
 1. ACCESSIBLE HIGH WATER CLOSET
 2. 2x4 W/1/2" FAS WOOD BRIDGE
 3. 1 1/2" DIA STAINLESS STEEL GRAB BARS
 4. STAINLESS STEEL TOILET PAPER HOLDER

GENERAL NOTES:

ALL MAN DOORS SHALL HAVE SINGLE LOCK LEVER HANDLES



TYPICAL ADA THRESHOLD DETAIL
 SCALE: NTS

Gulf Coast Engineering
 COMMERCIAL AND RESIDENTIAL
 P.O. Box 4915, Fort Walton Beach, Florida 32549
 850-240-3520, 850-862-0043 Cell
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 eallen18@cox.net mcnawell@cox.net

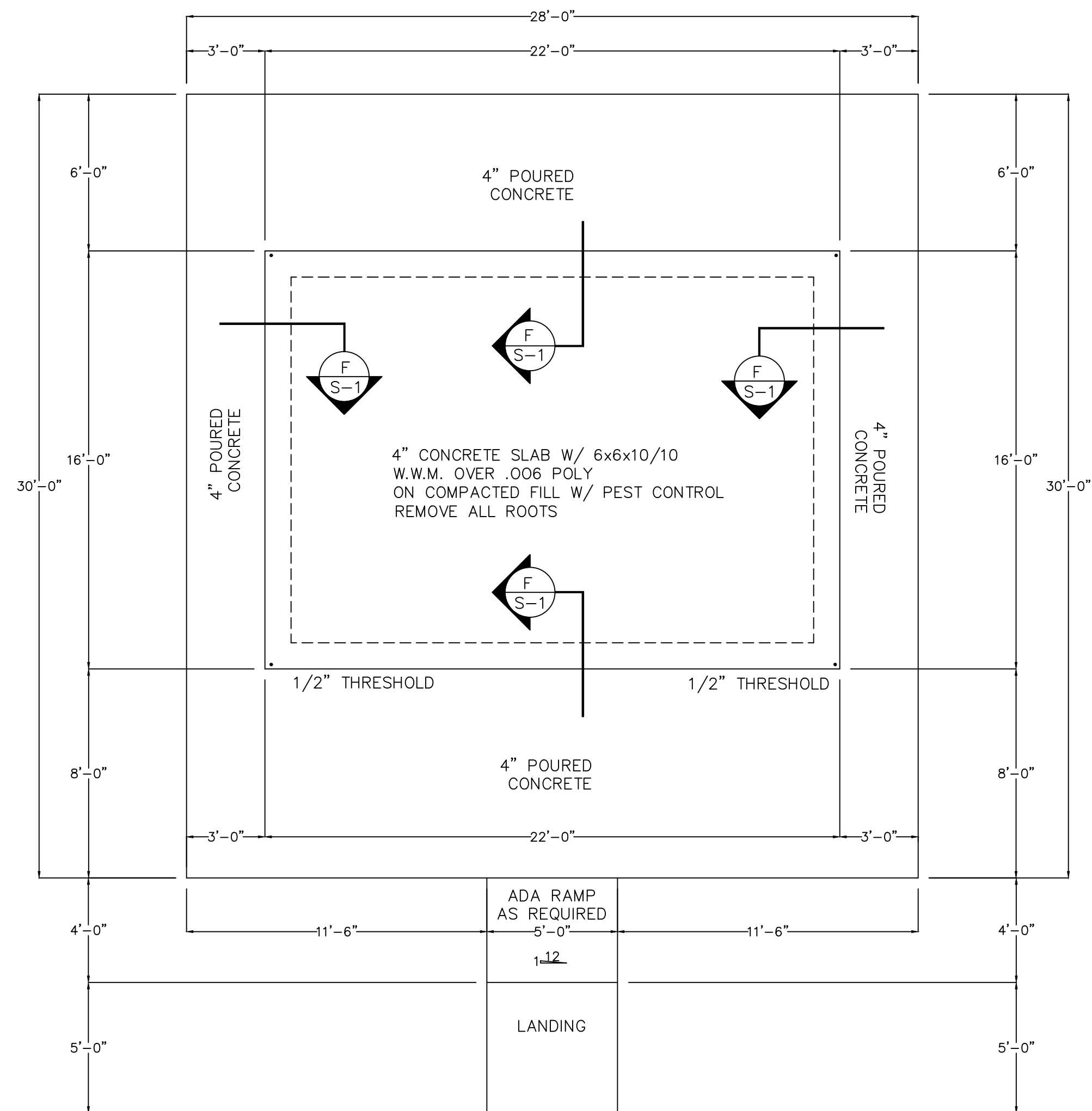
ENGINEER'S SEAL

NO. DWG. ISSUE DATE

OCSO TRAINING CENTER RESTROOMS
 700 CHAPPIE JAMES STREET, NW
 CRESTVIEW, FL 32536

CONTRACTOR:
 DRAWING DESCRIPTION
 JOB #
 DRAWN BY:
 CHECKED BY:
 DATE: 01/08/2024
 SCALE: 1/4"=1'-0"

DRAWING NUMBER
A-1

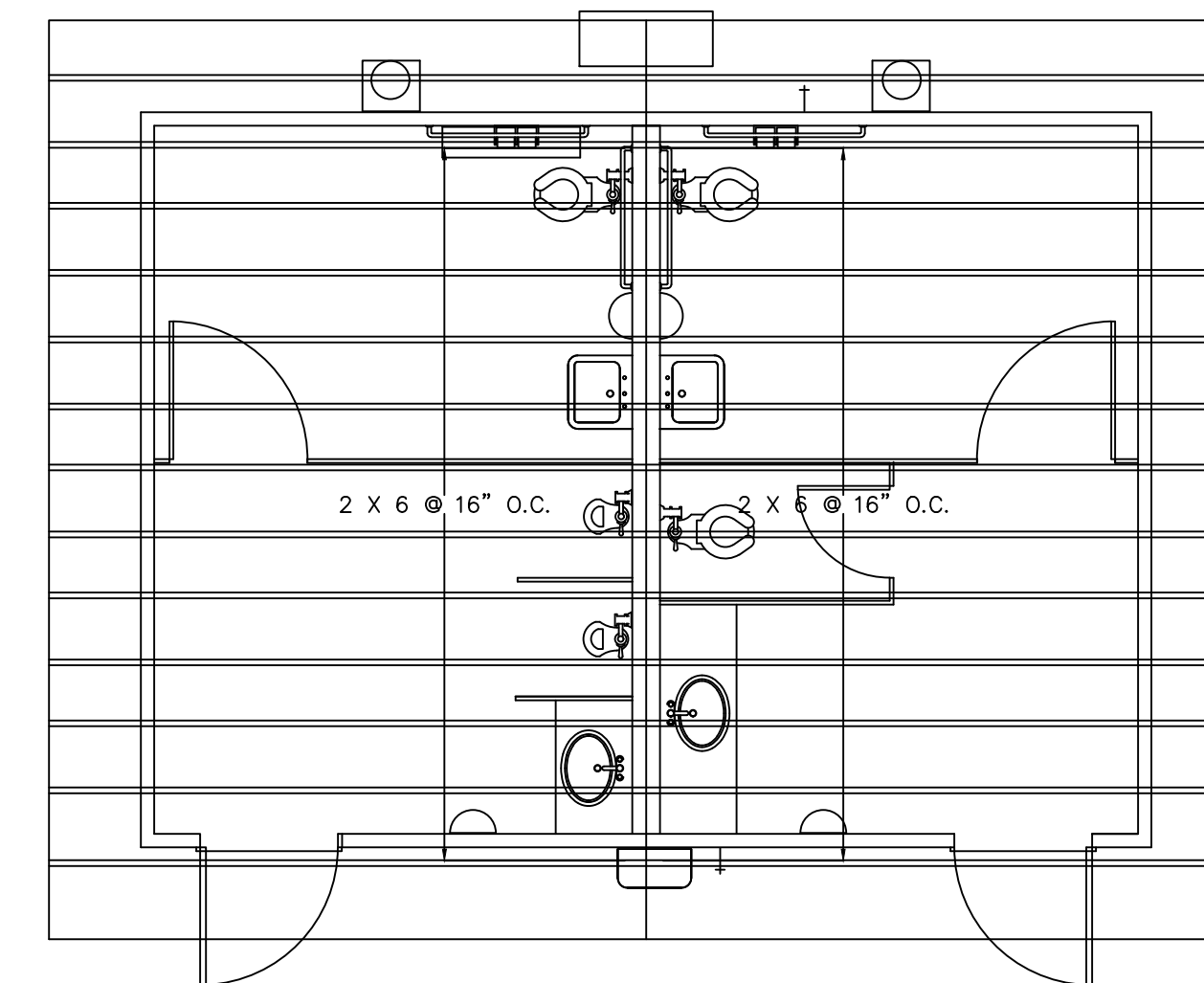


FOUNDATION PLAN: 1/4"=1'-0"

● 5/8" ALL THREAD @ 25' MINIMUM

VERIFY LOAD BEARING WALLS

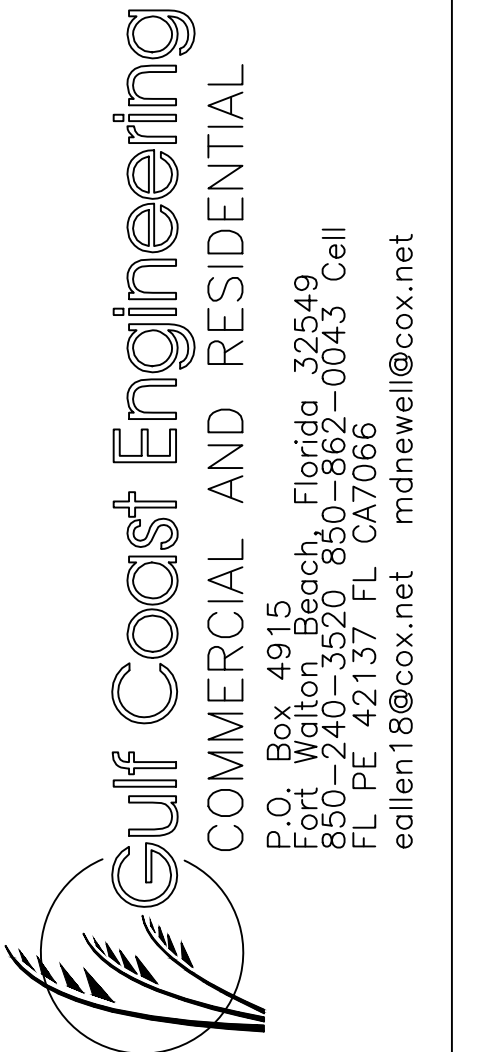
PRE-ENGINEERED ROOF TRUSSES @ 16" O.C.,
DESIGN BY OTHERS



TRUSS PLAN: 1/4"=1'-0"

TRUSS DRAWINGS TO BE INCLUDED WITH PERMIT DRAWINGS

TRUSSES TO BE DESIGNED FOR ATTIC ACCESS AND STORAGE OVER GARAGE. AREAS OF ATTIC STORAGE TO BE DESIGNED FOR 30 PSF. $DEFL_{MAX} = L/360$ (BUILDER TO VERIFY WITH OWNER AND TRUSS DESIGNER).



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ENGINEER'S SEAL

NO.	DWG.	ISSUE	DATE

OCSO TRAINING CENTER RESTROOMS
700 CHAPPIE JAMES STREET, NW
CRESTVIEW, FL 32536

CONTRACTOR:

DRAWING DESCRIPTION

JOB #

DRAWN BY:

CHECKED BY:

DATE: 01/08/2024

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

DRAWING NUMBER

A-2

ELECTRICAL GENERAL NOTES

- A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL, PLUMBING DRAWN FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
- B. RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE OWNER FROM STANDARD COLORS. DATA JACKS AND COVERPLATES SHALL COLOR SHALL MATCH WIRING DEVICES & COVER PLATES COLORS.
- C. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN WALL FOR SWITCHES.
- D. LOCATION OF DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
- E. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
- F. ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
- G. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
- H. PROVIDE GREEN GROUND CONDUCTOR IN ALL CIRCUITS - SIZE PER N.E.C. IF REUSING EXISTING CIRCUITS, CONFIRM PRESENCE OF GROUND CONDUCTOR, IF ABSENT, INSTALL.
- I. ALL ELECTRICAL WORK SHALL BE PERMITTED AND WARRANTED FOR 12 MONTHS AFTER OCCUPANCY
- J. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- K. ALL WORK SHALL COMPLY WITH 2020 FLORIDA BUILDING CODE
- L. JUNCTION BOXES SHALL BE SIZED PER NEC 314.16
- M. SWITCH BANKS IN ROOMS ARE INTENDED TO HAVE ONE SWITCH CONTROL THE LIGHTS, AND ANOTHER SWITCH TO CONTROL THE FAN.
- N. FIXTURES CONTROLLED BY SWITCHBANKS FED FROM SAME CIRCUIT

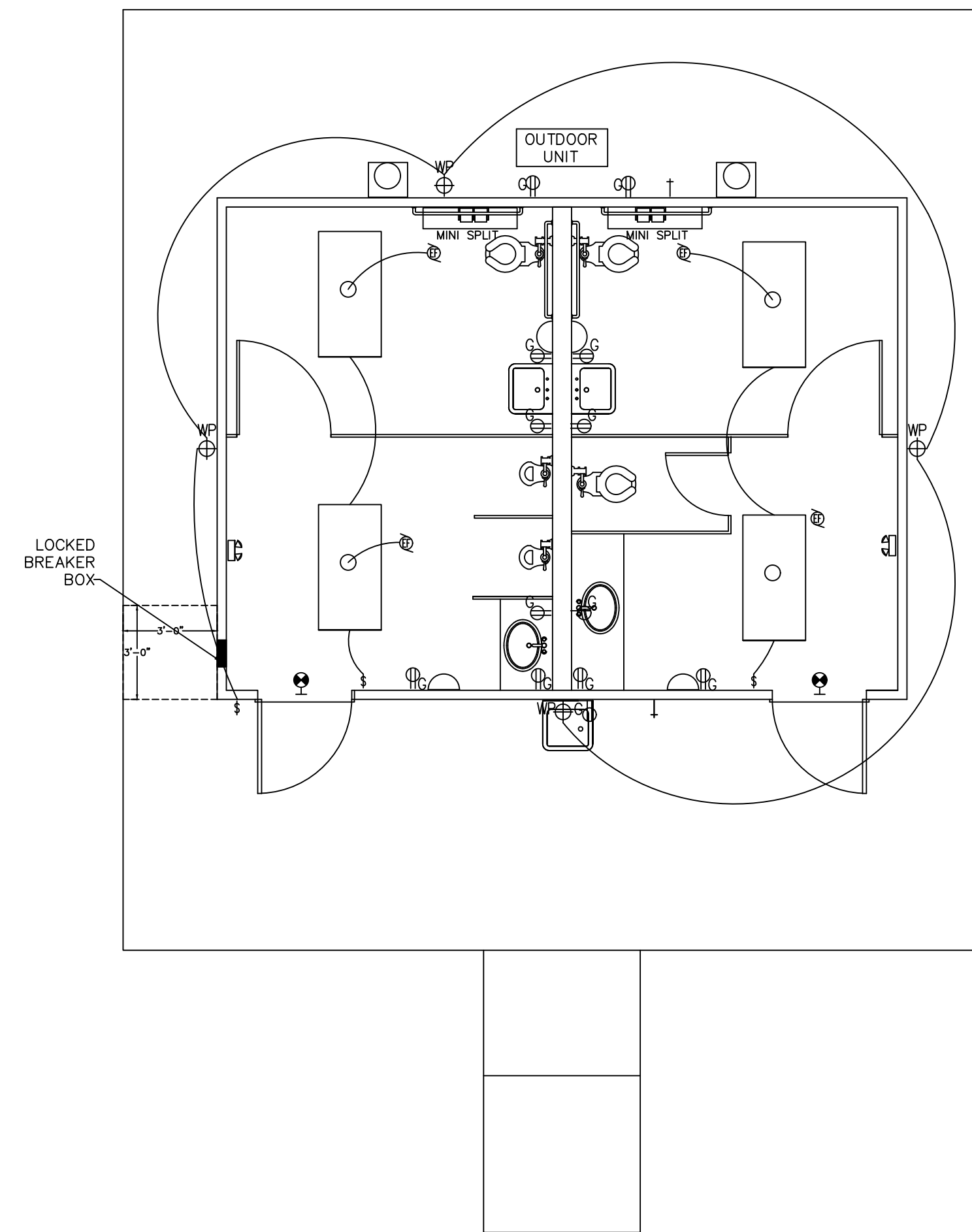
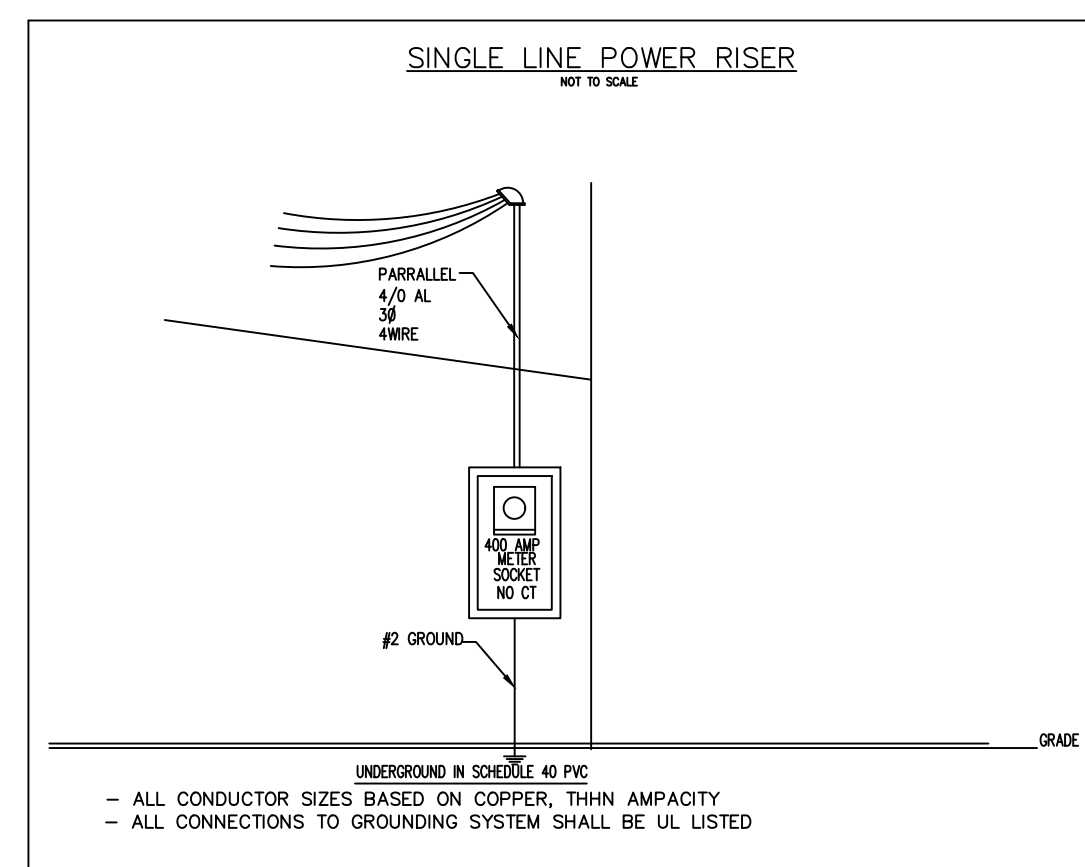
NEW PANEL "A"		Voltage: 120/240	Phase: 1	Wire: _____	Mounting: SURFACE		
		Mains: _____	AIC Rating: 10,000 MINIMUM				
		NEMA Rating: 1 Options: BOLT-ON BREAKERS					
CKT NO.	SERVING	CONN LOAD	CKT BKR TRIP	CKT BKR POLE	CONN LOAD	SERVING	CKT NO.
1*							*2
3							4
5							6
7							8
9							10
11							12
13							14
15							16
17							18
19							20
21							22
23							24
25							26
27							28
29							30

CONNECTED LOAD: DIVERSIFIED LOAD

* INDICATES HACR TYPE BREAKER. VERIFY HVAC LOADS AND BREAKER SIZES PRIOR TO INSTALL

ELECTRICAL LEGEND

- ⊕ TWIN HEAD EMERGENCY BATTERY UNIT, WALL MOUNTED
- ⊕ EXIT SIGN, BACK MOUNTED
- ⊕ JUNCTION BOX; MOUNTED ABOVE CEILING
- ⊕ JUNCTION BOX; MOUNTED FLUSH IN WALL WITH BLANK COVER
- ⊕ DUPLEX RECEPTACLE; 125V; 20A; NEMA 5-20 IS NOMENCLATURE FOR A 3-PRONGED 120V OUTLET; MT 18" AFF TO C/A UNLESS NOTED OTHERWISE; NEMA 5-20R; HUBBELL SERIES HBL5352 & COVERPLATE
- ⊕ DUPLEX RECEPTACLE; 125V; 20A; NEMA 5-20 IS NOMENCLATURE FOR A 3-PRONGED 120V OUTLET; MT 50" AFF TO C/A UNLESS NOTED OTHERWISE; NEMA 5-20R; HUBBELL SERIES HBL5352 & COVERPLATE
- ⊕ DUPLEX RECEPTACLE; 125V; 20A; NEMA 5-20 IS NOMENCLATURE FOR A 3-PRONGED 120V OUTLET; MT 72" AFF TO C/A UNLESS NOTED OTHERWISE; NEMA 5-20R; HUBBELL SERIES HBL5352 & COVERPLATE
- ⊕ 125V; 20A; MT 18" AFF TO C/A UNLESS NOTED OTHERWISE; NEMA 5-20R; TWO HUBBELL SERIES HBL5352 & COVERPLATE
- ⊕ EXHAUST FAN
- ⊕ WALL SWITCH; 120/277V; 20A; 1 POLE; HUBBELL SERIES HBL 1221 OR LOW VOLTAGE SWITCH(ES) AS NOTED.
- ⊕ PANEL; 120/240V; MT 72" AFF TO TOP
- ⊕ FUSED DISCONNECT SWITCH; AMP SIZE AS NOTED; FUSE SIZE PER EQUIPMENT NAMEPLATE DATA
- ~ FLEXIBLE CONDUIT CONNECTION
- ⊕ GROUND FAULT INTERRUPTER
- ⊕ WEATHPROOF
- ⊕ SWITCH LEG INDICATES FIXTURES TO BE CONTROLLED BY CORRESPONDING SWITCH WITHIN SPACE
- ⊕ 2'x4' CEILING MOUNTED LIGHT
- ⊕ OUT LIGHT FIXTURE, TBD



ENGINEER'S SEAL

NO. DWG. ISSUE DATE

OCSO TRAINING CENTER RESTROOMS
700 CHAPPIE JAMES STREET, NW
CRESTVIEW, FL 32536

CONTRACTOR:

DRAWING DESCRIPTION

JOB #

DRAWN BY:

CHECKED BY:

DATE: 05/18/2021

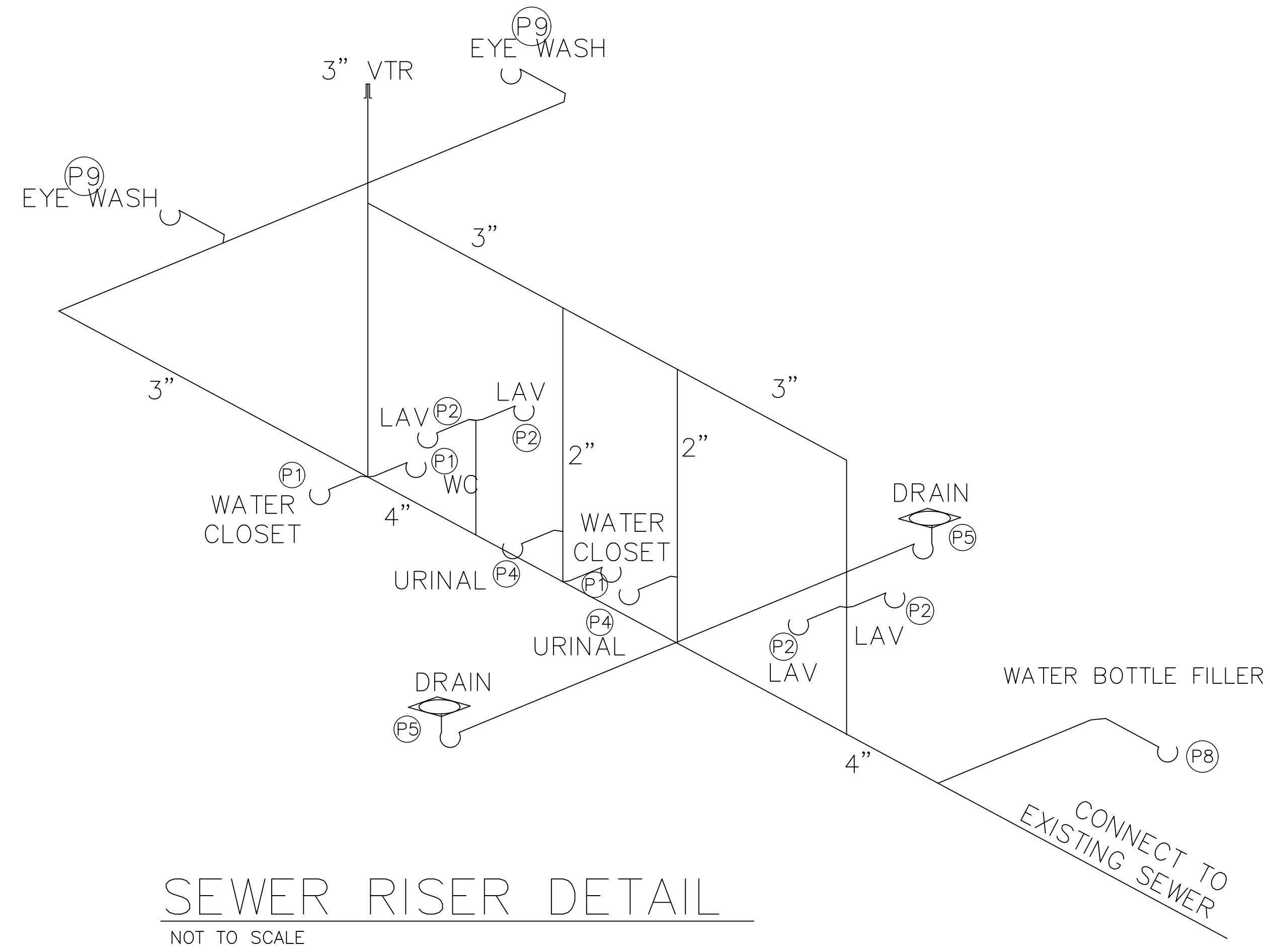
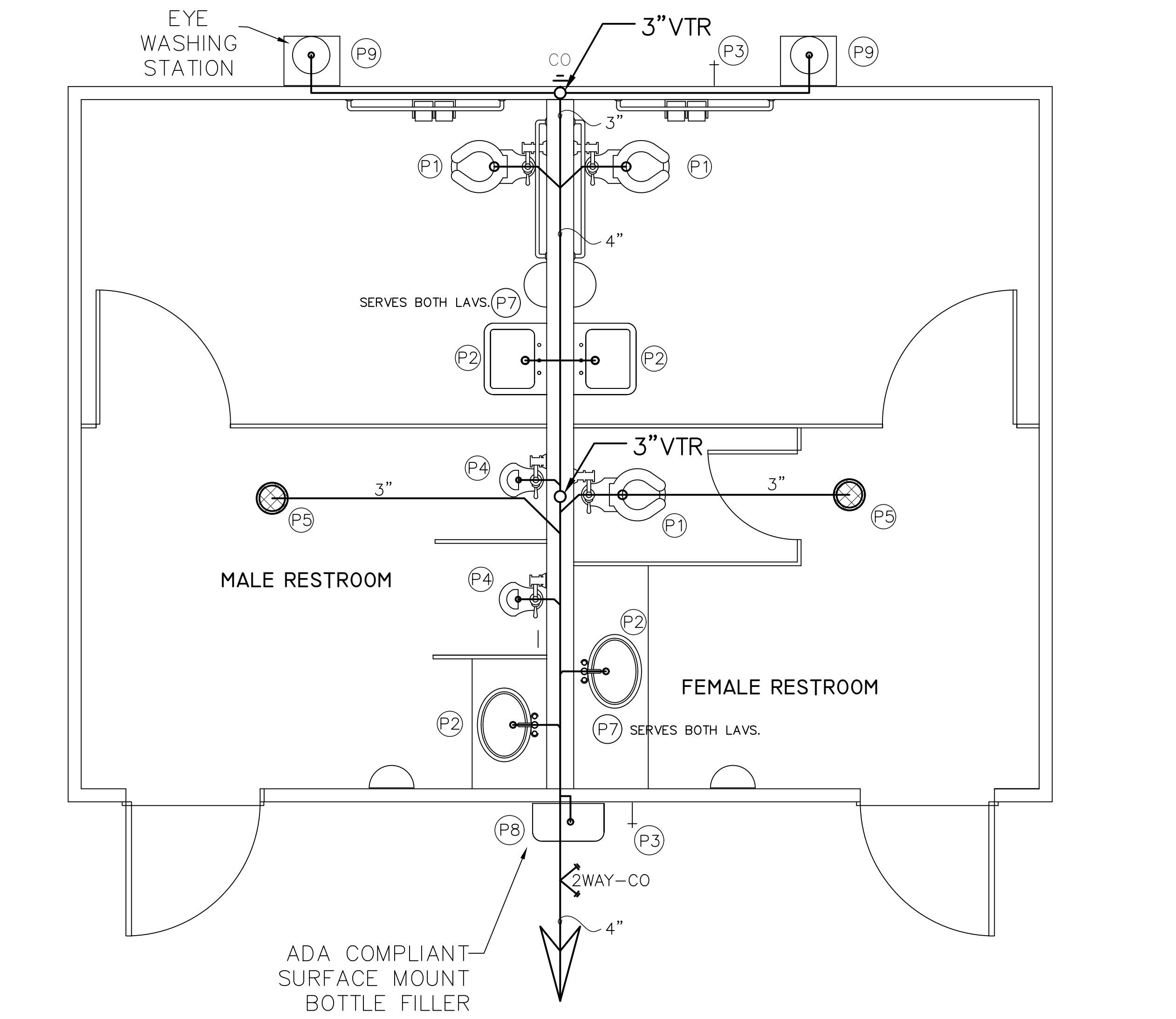
SCALE: 1/4"=1'-0"

DRAWING NUMBER

E-1

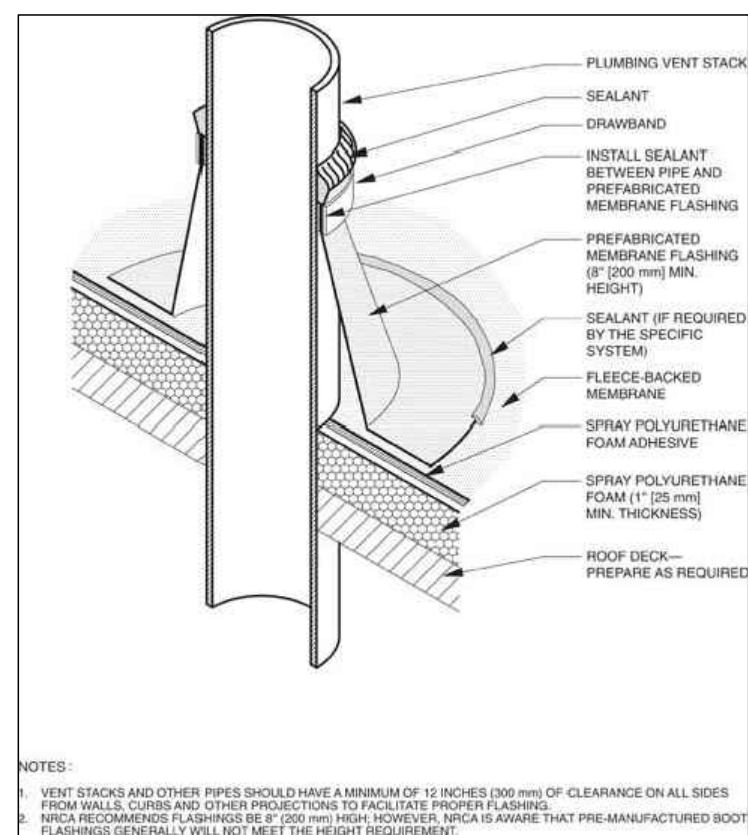
PLUMBING – NEW WORK

1/2"=1'



SEWER RISER DETAIL

NOT TO SCALE



VTR DETAIL

NTS

SYMBOL LEGEND

- CO – CLEAN OUT
- WCO – WALL CLEAN OUT
- VTR – VENT THROUGH ROOF
- HVENT – HORIZONTAL COMBINATION VENT
- DTUF – DOWN TO UNDER FLOOR
- DTUG – DOWN TO UNDER GROUND
- GT – GREASE INTERCEPTOR

- FD FLOOR DRAIN – SLOPE FLOOR TO DRAIN PROVIDE TRAP PRIMER AT EACH FD.
- POINT OF CONNECTION TO EXISTING
- NEW SANITARY WASTE

SPECIAL NOTE:

FD FLOOR DRAIN – JAY R. SMITH 2005-A5NB-U WITH CAST IRON BODY WITH TYPE "A" STRAINER. PROVIDE TRAP PRIMER AT ALL FLOOR DRAINS.

TRAP PRIMER – PRECISION PLUMBING PRODUCTS "OREGON #1" WITH SOFT COPPER TUBING TO DRAIN.

WATER HEATER – POU (point of use) – BOSCH MINI-TANK 2.5gal, 120V/16amp, 1440watts MOUNT UNDER SINK.

WATER CLOSET – FLOOR MOUNTED – FLUSH VALVE – ADA – AMERICAN STANDARD CADET 3 FLOWWISE (16-1/2" HIGH) ELONGATED WATER SAVER, 1.28 GPF, WHITE VITREOUS CHINA TOILET. SEAT TO BE WHITE SOLID PLASTIC OPEN FRONT, HEAVY DUTY SEAT.

LAVATORY – AMERICAN STANDARD DECLYN WHITE VITREOUS CHINA LAVATORY, DELTA 501LF-HGMHDF 4" CENTERSET FAUCET WITH CHROME SINGLE LEVER HANDLE & A 0.5GPM FLOWRATE

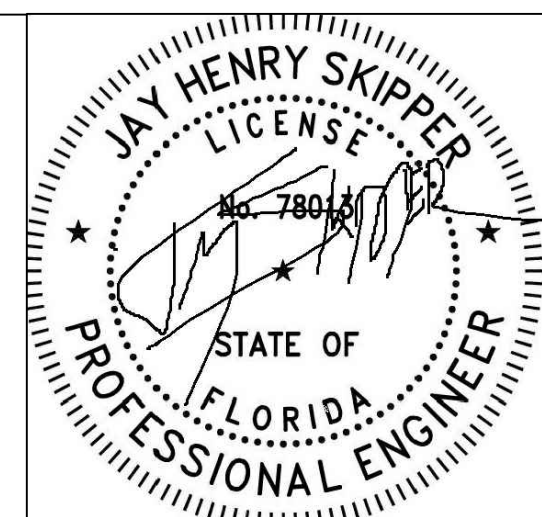
WATER SERVICE & PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	CONNECTIONS			
		WASTE	CW	HW	GAS
P1	WATER CLOSET FLUSH VALVE	3"	3/4"	--	--
P2	LAVATORY	1-1/4"	1/2"	1/2"	--
P3	HOSE BIB	--	1/2"	--	--
P4	URINAL	1-1/4"	1/2"	--	--
P5	FLOOR DRAIN	3"	--	--	--
P6	INDIRECT FLOOR DRAIN	4"	--	--	--
P7	WATER HEATER	--	1/2"	1/2"	--
P8	BOTTLE FILLER	1-1/4"	1/2"	--	--
P9	EYE WASH	1-1/4"	1/2"	--	--

General Notes

1. INSTALLATION SHALL COMPLY WITH 2020 FLORIDA PLUMBING CODE.
2. CONTRACTOR TO PERFORM DEMOLITION AND VERIFY POINT OF CONNECTION BEFORE PROCURING PLUMBING MATERIALS.
3. ALL WATER SERVICE PLUMBING INSIDE BUILDING SHALL BE PEX MATERIAL.
4. PIPE ROUTING IS SHOWN FOR DRAWING CLARITY. FIELD ROUTE PIPING AS NEEDED. PIPE ROUTE PHILOSOPHY IS TO ROUTE CW/HW MAINS UP HIGH THROUGH TRUSSES AND ROUTE, IN WALL, DOWN TO EACH FIXTURE.
5. PIPE SIZES FROM MAIN TO THE FIXTURE SHALL FOLLOW FIXTURE SCHEDULE.
6. ALL SEWER PLUMBING PIPE SHALL BE PVC SCHEDULE 40.
7. VERIFY WITH OWNER, ALL PLUMBING FIXTURES IN RESTROOMS SHALL BE WHITE, AMERICAN STANDARD. (SEE SPECIAL NOTES)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAY H. SKIPPER, P.E. ON 7 JAN 2024. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



No.	Revision/Issue	Date

Firm Name and Address
SKIPPER ENGINEERING LLC
 311 SUDDUTH CIRCLE NE
 FT. WALTON BEACH, FL
 (850) 865-4653
 jay.h.skipper@gmail.com

Project Name and Address
SHARIFF'S BATHROOMS
 FT. WALTON BEACH, FL
PLUMBING
 Schedule & Details

Project	Sheet
Date 7 JAN 2024	P-1
Scale 3/16"=1'	

GENERAL NOTES & SPECIFICATIONS

1. DESIGN CRITERIA

A. CODES

FLORIDA BUILDING CODE, 2023 COMMERCIAL
 AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (TIMBER CONSTRUCTION MANUAL, LATEST EDITION)
 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (A.C.I. 318).
 BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (A.C.I.531).
 AMERICAN INSTITUTE OF STEEL CONSTRUCTION, LATEST EDITION.
 2015 NFPA 101

B. DESIGN LIVE LOADS:

ROOF 20 PSF
 FLOORS 40 PSF
 LATERAL WIND FORCES 150 MPH ASCE 7-22 EXPOSURE B"
 1st STORY DESIGN WIND PRESSURE: 50 PSF, -50 PSF

DESIGNED FOR: ENCLOSED STRUCTURE
 STRUCTURAL CATEGORY: II
 IMPORTANCE FACTOR: 1.0
 INTERNAL PRESSURE COEFFICIENT +1.0, -1.0
 COMPONENTS & CLADDING SHALL BE DESIGNED AND INSTALLED (BY OTHERS)
 TO COMPLY WITH THE FLORIDA BLDG CODE, 2023 COMMERCIAL
 SHUTTERS OR IMPACT RESISTANT GLAZING ARE REQUIRED.
 SHUTTERS OR IMPACT RESISTANT GLAZING MUST HAVE FLORIDA PRODUCT APPROVAL NUMBERS.

Wind Pressure on Components and Cladding (Ch 30 Part 2)						
All pressures shown are based upon STRENGTH Design, with a Load Factor of 1						
Description	Width Ft	Span Ft	Area Ft ²	Zone	Max P psf	Min P psf
Roof Infill	42.00	13.68	100.0	1	17.64	-35.93
Roof Edges	42.00	35.00	100.0	2	17.64	-50.58
Roof Corners	3.50	3.50	12.3	3	24.43	-100.53
Wall Infill	40.00	32.67	500.0	4	32.29	-35.93
Wall Corners	3.50	32.67	355.8	5	33.91	-39.20

2. CONCRETE SPECIFICATIONS

- ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.
- CONCRETE OPERATIONS SHALL COMPLY WITH A.C.I. STANDARDS.
- CONCRETE COMPRESSIVE STRENGTH: 2500 PSI MINIMUM AT 28 DAYS.
- REINFORCING BARS: ASTM A615 GRADE 60
- WELDED WIRE FABRIC (W.W.F.) ASTM A185.
- REINFORCING BARS PLACING ACCESSORIES: IN ACCORDANCE WITH CRSI SPECIFICATIONS.
- MINIMUM CONCRETE COVERAGE OF REINFORCEMENT: FOOTINGS: 3" BOTTOM AND 2" SIDES.
- EARTH SUPPORTED SLAB: 4 INCHES THICK REINFORCED WITH 6 x 6 x W1.4 x W1.4 W.W.F. THE SLAB SHALL BE PLACED OVER POLYETHYLENE VAPOR BARRIER OF NOT LESS THAN .006 INCH NOMINAL THICKNESS IN LIEU OF WELDED WIRE FABRIC. CONCRETE SLAB CAN BE TREATED WITH SYNTHETIC REINFORCING FIBERS AS MANUFACTURED BY FIBERMESH COMPANY, AND IN ACCORDANCE WITH ASTM STANDARD SPECIFICATION FOR FIBER REINFORCED CONCRETE AND SHOTCRETE, C1116. THE DOSAGE SHALL BE ONE AND ONE HALF (1 1/2) POUNDS FIBERS PER CUBIC YARD OF CONCRETE.
- ANCHOR BOLTS IN CMU BLOCKS SHALL CONFORM TO ASTM A36 AND SHALL BE 1/2" DIAMETER WITH 7" MIN. DEPTH IN CONCRETE.
- DETAIL REINFORCING IN ACCORDANCE WITH A.C.I. 315. REINFORCING SHALL NOT BE WELDED, EXCEPT AS SHOWN WHERE ASTM A708 BARS ARE USED.

3. MASONRY SPECIFICATIONS

- HOLLOW CONCRETE BLOCK (MASONRY) UNITS SHALL CONFORM TO ASTM C90, WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI ON THE NET AREA AND 1,000 PSI ON THE GROSS AREA ($f_m = 1,500$ PSI)
- ALL MORTAR FOR MASONRY SHALL CONFORM TO ASTM C270, TYPE "M" OR "S". ALL GROUT FOR USE IN MASONRY SHALL CONFORM TO ASTM C476, MINIMUM 2,500 PSI AT 28 DAYS.
- CONTINUOUS BARS SHALL HAVE BASIC CLASS "C" TENSION LAPS WITH CORNER BARS AT ALL CORNERS AND END WALL INTERSECTIONS.
- ALL VERTICAL REINFORCEMENT IN MASONRY SHALL HAVE CLASS "C" TENSION LAPS.
- REINFORCING IN MASONRY WALL FOOTINGS SHALL BE CONTINUOUS.

4. TIMBER SPECIFICATIONS

- STRUCTURAL TIMBER SHALL BE #2 SOUTHERN YELLOW PINE (M.C.-19%), OR LODGE POLE OR EQUAL UNLESS OTHERWISE NOTED ON DRAWINGS, WITH ALLOWABLE STRESSES AS FOLLOWS:

BENDING STRESS	1,200 PSI	1,050 PSI
SHEAR STRESS	90 PSI	70 PSI
COMPRESSION STRESS PARALLEL TO GRAIN	1,000 PSI	700 PSI
MODULUS OF ELASTICITY	1,600,000 PSI	1,200,000 PSI

 LODGE POLE
- STRUCTURAL GLUE LAMINATED TIMBER SHALL BE VISUALLY GRADED SOUTHERN PINE WITH THE FOLLOWING MINIMUM ALLOWABLE STRESSES:

BENDING STRESS	2,400 PSI
SHEAR STRESS	200 PSI
MODULUS OF ELASTICITY	1,800,000 PSI
- STRUCTURAL PARALLAM BEAMS ALL SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES:

BENDING STRESS	2,900 PSI
SHEAR STRESS	290 PSI
MODULUS OF ELASTICITY	2,000,000 PSI
- PLYWOOD SHEATHING:
 - EACH CONSTRUCTION AND INDUSTRIAL PANEL SHALL BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL MEET THE REQUIREMENTS OF THE LARGEST EDITION OF U.S. PRODUCT STANDARDS PS 1 OR PRP-180 PERFORMANCE STANDARDS. ALL PANELS WHICH HAVE ANY EDGE OR SURFACE PERMANENTLY EXPOSED TO WEATHER SHALL BE CLASSIFIED EXTERIOR.
 - PANEL ROOF, WALL AND FLOOR SHEATHING SHALL BE 1/2" THICK APA STRUCTURAL 1 RATED SHEATHING EXP 2 (UNLESS OTHERWISE NOTED ON PLANS). SHEATHING PERMANENTLY EXPOSED TO WEATHER SHALL BE CLASSIFIED EXTERIOR.
 - NAIL PANELS WITH 8D COMMON NAILS AT 3" O.C. ALONG SUPPORTED PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS, OR AS INDICATED ON PLANS.
- ALL BEARING STUD WALLS SHALL HAVE SOLID BLOCKING AT MID-HEIGHT OR AS OTHERWISE NOTED ON BUILDING SECTIONS.
- PREFABRICATED WOOD STRUCTURAL MEMBERS, INCLUDING TRUSSES SHALL BE DESIGNED SPECIFICALLY FOR THIS PROJECT FOR A 150 MPH WIND LOAD IAW ASCE 7-16 LATERAL LOAD, AND SEALED BY A FLORIDA REGISTERED ENGINEER.
- REVIEW ALL DRAWINGS INCLUDING MECHANICAL, ELECTRICAL, PLUMBING ETC. TO ASCERTAIN LOADS FROM EQUIPMENT, OPENINGS FOR DUCTS ETC. AND PROVIDE MODIFICATION TO TRUSSES IF REQUIRED TO SUPPORT SAME.

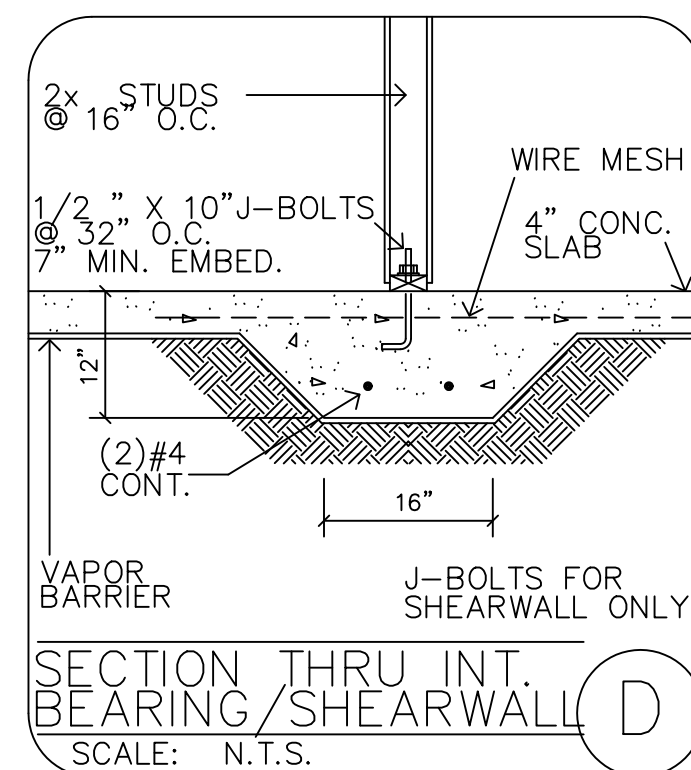
H. TRUSS LAYOUT AS SHOWN ON PLANS IS SCHEMATIC AND MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER

- ALTHOUGH WEB LAYOUT MAY BE SHOWN ON PLANS IT IS THE RESPONSIBILITY OF THE TRUSS DESIGNER TO ACCEPT, APPROVE, OR MODIFY, AS REQUIRED FOR THE DESIGN PURPOSE.
 - WOOD-TO-WOOD FRAMED CONNECTIONS ARE TO BE MADE WITH BOLTS AND/OR JOIST HANGERS AS SHOWN. TOE-NAILING IS NOT PERMITTED.
 - MAXIMUM SPANS OF DIMENSIONAL LUMBER USED FOR JACK RAFTERS AT HIPPED ROOF SECTIONS SHALL BE IN ACCORDANCE WITH "SPAN TABLES FOR JOISTS AND RAFTERS" AS PUBLISHED BY THE NATIONAL WOOD PRODUCTS ASSOCIATION.
 - HIP RAFTERS SHALL BE 2 INCHES DEEPER THAN JACK RAFTERS.
 - ALL TRUSSES AND RAFTERS SHALL BE STRAPPED OR HURRICANE CLIPPED TO SUPPORTING MEMBERS AT ALL BEARING POINTS.
- ### 4. TIMBER SPECIFICATIONS (CONTINUED)

- SECURE EACH ROOF TRUSS/RAFTER TO TOP PLATE WITH SIMPSON HURRICANE CLIPS (OR EQUAL) AS INDICATED ON PLANS. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF TRUSSES TO ENGINEER TO VERIFY/MODIFY UP-LIFT CONNECTORS.
- ALL EXTERIOR WALL FRAMING SHALL BE 2"x4" OR 2"x6" at 16" O.C., UNLESS NOTED OTHERWISE. 7/16" OSB SHEATHING OR 1/2" CDX PLYWOOD PANELS SHOULD EXTEND TO THE TOP PLATE AND BOTTOM OF EXTERIOR GIRDERS OR SILL PLATE. NAIL PLYWOOD AT 4" O.C. AT ALL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS OR AS INDICATED PER PLAN.
- USE SIMPSON ST18 (OR EQUAL) RIDGE/RAFTER CONNECTORS OR SIMPSON RR STRAPS AT ALL RAFTERS/RIDGE BEAMS OR AS INDICATED PER PLAN.
- USE SIMPSON SP1 & SP2 (OR EQUAL) TO SECURE STUDS TO BOTTOM AND TOP PLATES, OR AS INDICATED ON PLAN.
- USE TWO (2) SIMPSON LSTA21 (OR EQUAL) TO SECURE EACH BEAM HEADER BEARING END TO EACH SUPPORT, OR AS INDICATED PER PLAN.
- USE SIMPSON LSTA21 STRAP TIES (OR EQUAL) OR SIMPSON SP4 (OR EQUAL) AT TOP OF EACH EXTERIOR WINDOW AND DOOR FRAME OPENING, OR AS INDICATED PER PLANS.
- CUTTING, NOTCHING BORED HOLES IN STUD WALLS, RAFTERS, ETC., SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023 COMMERCIAL
- RIDGE BOARDS WHERE INDICATED ON FRAMING PLANS SHALL NOT BE LESS THAN 1" IN THICKNESS, AND NOT LESS IN DEPTH THAN CUT END RAFTERS. RAFTERS SHALL BE PLACED DIRECTLY OPPOSITE EACH OTHER AND NAILED TO RIDGE BOARD.
- ALL WOOD BUILT-UP GIRDERS, BEAMS, STUDS TO SOLE PLATES, ETC. TO BE CONNECTED AS PER FLORIDA BUILDING CODE 2023 COMMERCIAL.
- AT OPENING IN EXTERIOR WALLS, A WALL STUD SHALL BE AT EACH SIDE OF THE OPENING WITH THE ENDS OF THE HEADER SUPPORTED AS FOLLOWS (UNLESS OTHERWISE NOTED):
 - FOR OPENINGS LESS THAN 3 FEET IN WIDTH, EACH SIDE OF HEADER SHALL REST ON A SINGLE HEADER STUD OR MAY BE SUPPORTED BY FRAMING ANCHORS ATTACHED TO WALL STUD.
 - FOR OPENINGS OVER 3 FEET TO LESS THAN 6'-0", EACH END SHALL BEAR ON A SINGLE HEADER STUD.
 - FOR OPENINGS MORE THAN 6'-0" AND LESS THAN 12' IN WIDTH, EACH END SHALL BEAR ON A DOUBLE HEADER STUD.
- ANY HEADER SUPPORTING CONCENTRATED LOADS FROM BEAMS ABOVE, EACH END SHALL BEAR ON DOUBLE HEADER STUDS.
- WHERE WOOD BEAMS BEAR ON STUD WALLS, PROVIDE MINIMUM DOUBLE OR TRIPLE STUDS, DEPENDING ON BEAM WIDTH AND LOADS, UNDER FOUNDATION.
- AT AREAS WHERE TRUSSES REQUIRE HEADERS TO ADJACENT TRUSSES, PROVIDE HEADERS AS DETERMINED BY ACCEPTABLE ENGINEERING DESIGNS.

FRAMING NOTES: THESE NOTES SHALL SUPERSEDE ALL OTHERS

- ROOF SHEATHING: 1/2" CDX - NAIL 8d RING SHANK FULL HEAD- 3" PERIM./4" FIELD.
- ROOF RAFTERS: 2x6 - 24" O.C. (MAX. UNBRACED HORIZONTAL SPAN - 11'-6")
2x8 - 24" O.C. (MAX. UNBRACED HORIZONTAL SPAN - 12'-6")
OR PRE-ENGINEERED ROOF TRUSSES.
- WALL FRAMING: 2x6 or 2x4 @ 16" O.C. - LODGE POLE MAY BE USED FOR STUD FRAMING. SYP SHALL BE USED FOR TOP AND BOTTOM PLATES.
- SECURE ROOF RAFTERS TO TOP PLATE WITH SIMPSON H14 MST12/16. CLIPS OF EQUAL OR GREATER UPLIFT CAPACITY MAY BE SUBSTITUTED. SECURE RIDGE BEAM TO EACH RAFTER WITH SIMPSON ST22 - 16 GA.
- STRAP TIES: SIMPSON SP1 AND SP2 OR SIMPSON LSTA21 - 20 GA. - (16) 10d COMMON. TIE SPACING: 32" O.C.
- TOP PLATE NAILING: 24" O.C. - USE 16d COMMON. USP CONNECTORS MAY BE USED IN LIEU OF SIMPSON.
- IF USED, RUN 5/8" ALL THREAD RODS ON 64" CENTERS. PLACE ALL THREAD RODS ON EACH SIDE OF BEARING OPENINGS GREATER THAN 4'-0". IF USED DELETE #6 ABOVE.
- ALL COLUMN TO BEAM CONNECTIONS SHALL BE SIMPSON CB OR ECC STRAPPED CONNECTIONS ARE NOT ALLOWED.
- WINDSTORM PANELS MY BE USED FOR WALL SHEATHING. IF USED THE PANEL MUST GO FROM PLATE TO PLATE AND COVER THE ENTIRE PLATE. IF USED DELETE #6 ABOVE.

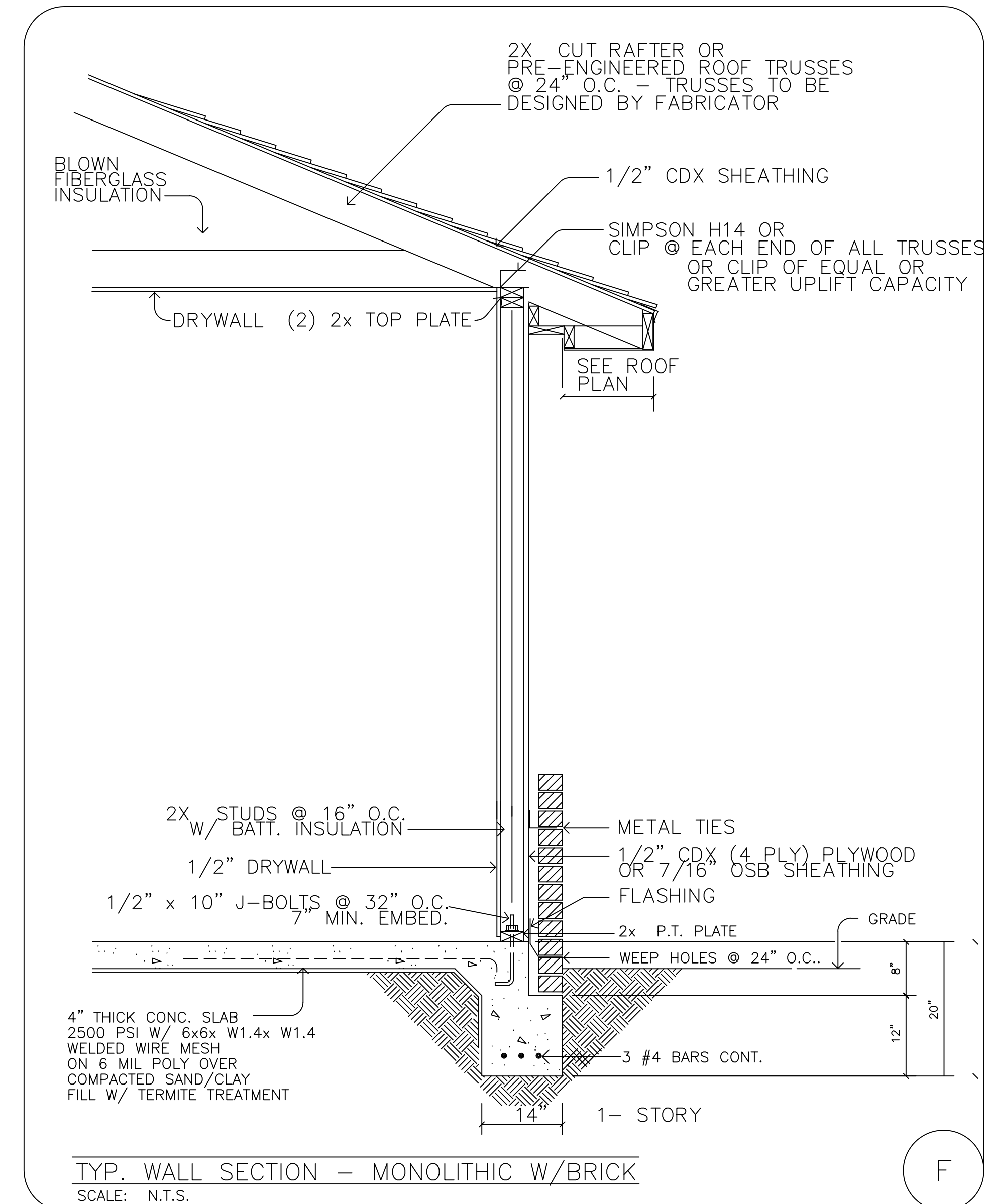


WHERE THE BUILDING OFFICIAL REQUIRES FINAL CERTIFICATION OF COMPLETION FROM THE ENGINEER, THE FOLLOWING APPLIES:

- 3 INSPECTIONS ARE REQUIRED, FOUNDATION/FLOOR FRAMING, NAIL-OFF, AND DRY-IN FRAMING. DRY-IN INSPECTION SHALL OCCUR BEFORE INSULATING & SHEET ROCK INSTALLATION.
- 48 HOURS NOTICE, IN WRITING/VIA FAX OR E-MAIL, SHALL BE GIVEN TO THE ENGINEER.
- THESE INSPECTIONS SHALL BE BILLED AT \$275.00 EACH.

ELLIOTT W. ALLEN, P.E.
 Florida Registration Number 42137
 Florida CA Number 7066

MICHAEL D. NEWELL, P.E.
 Florida Registration Number 41126
 Florida CA Number 7066



ENGINEER'S SEAL

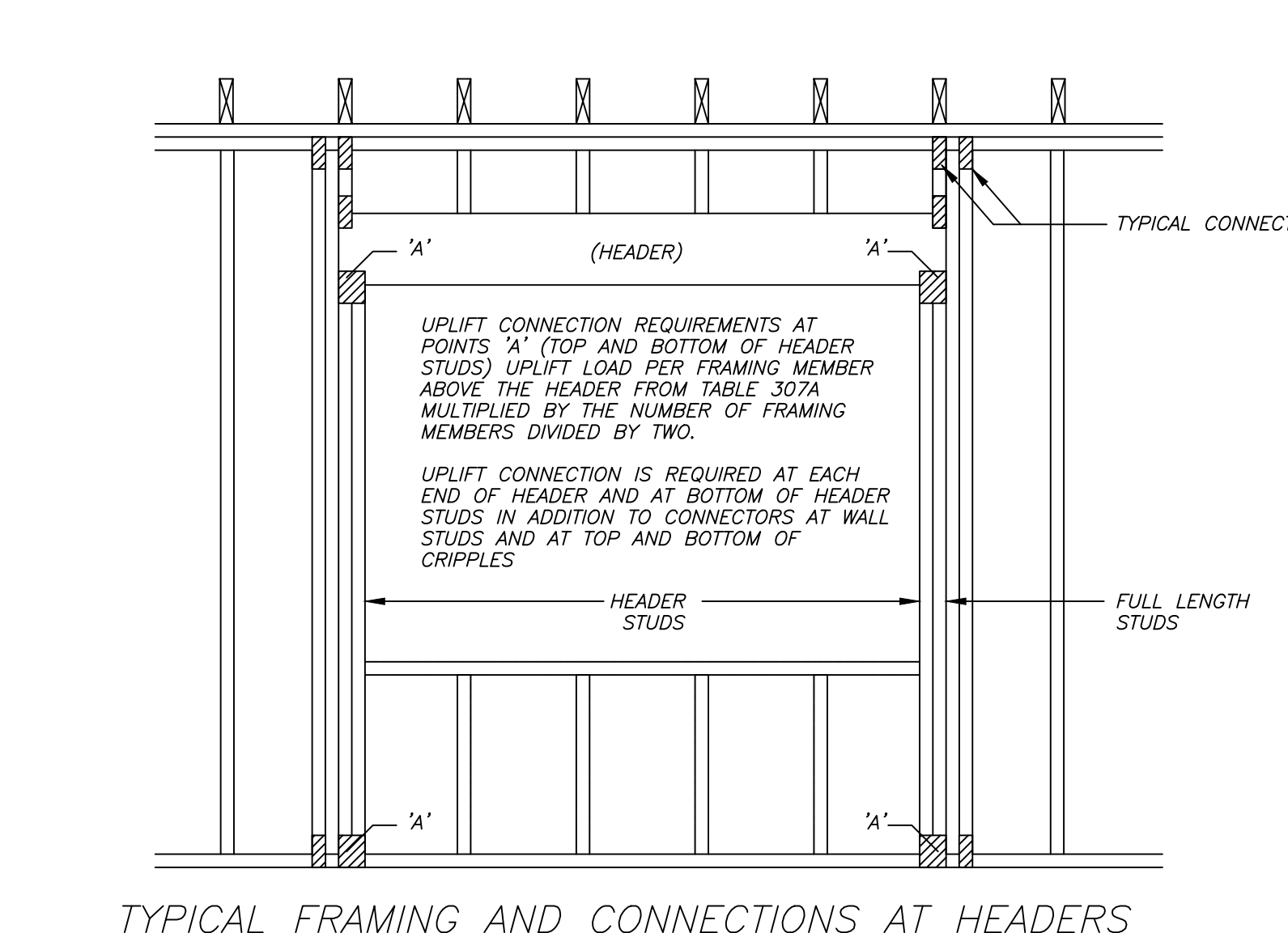
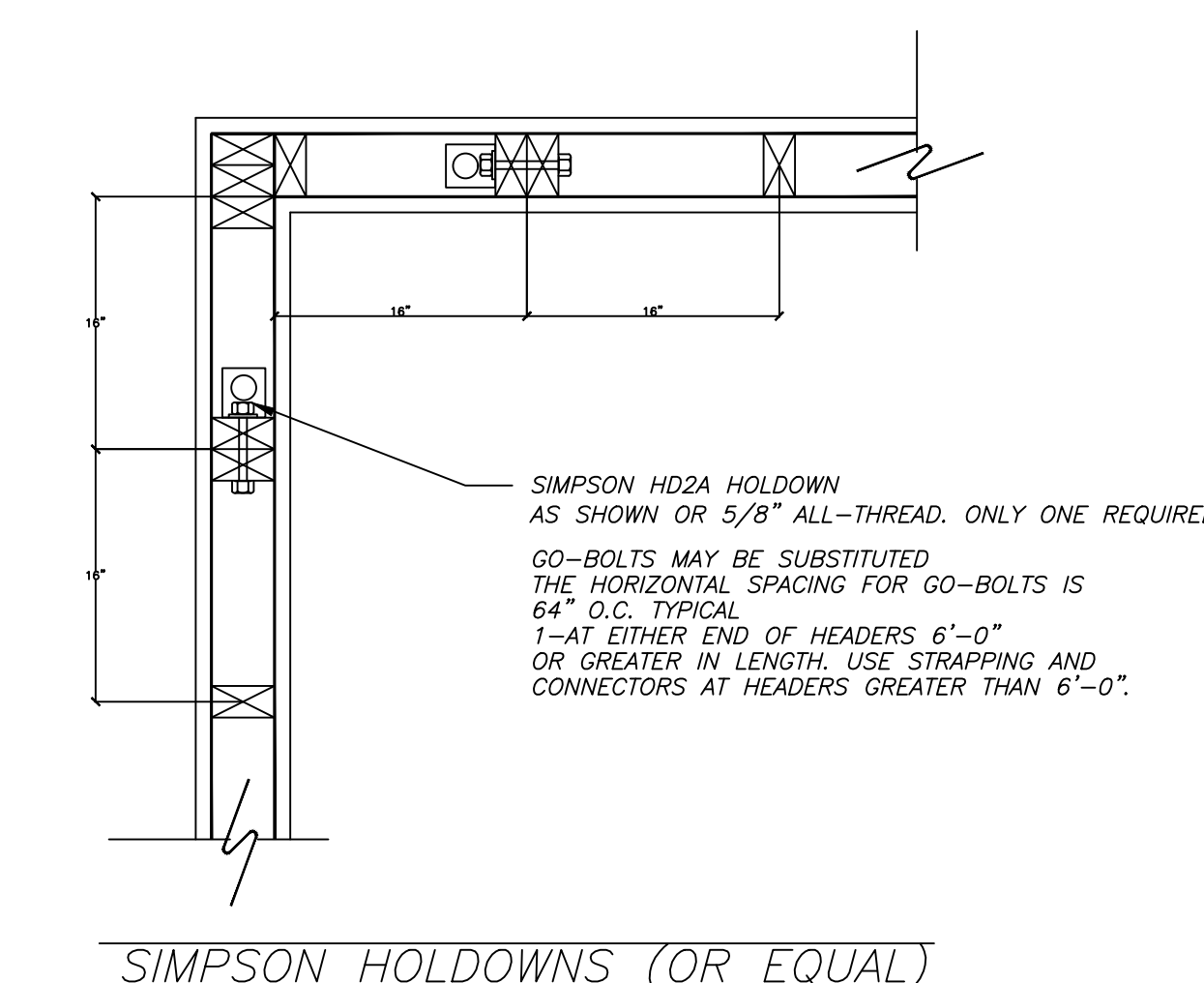
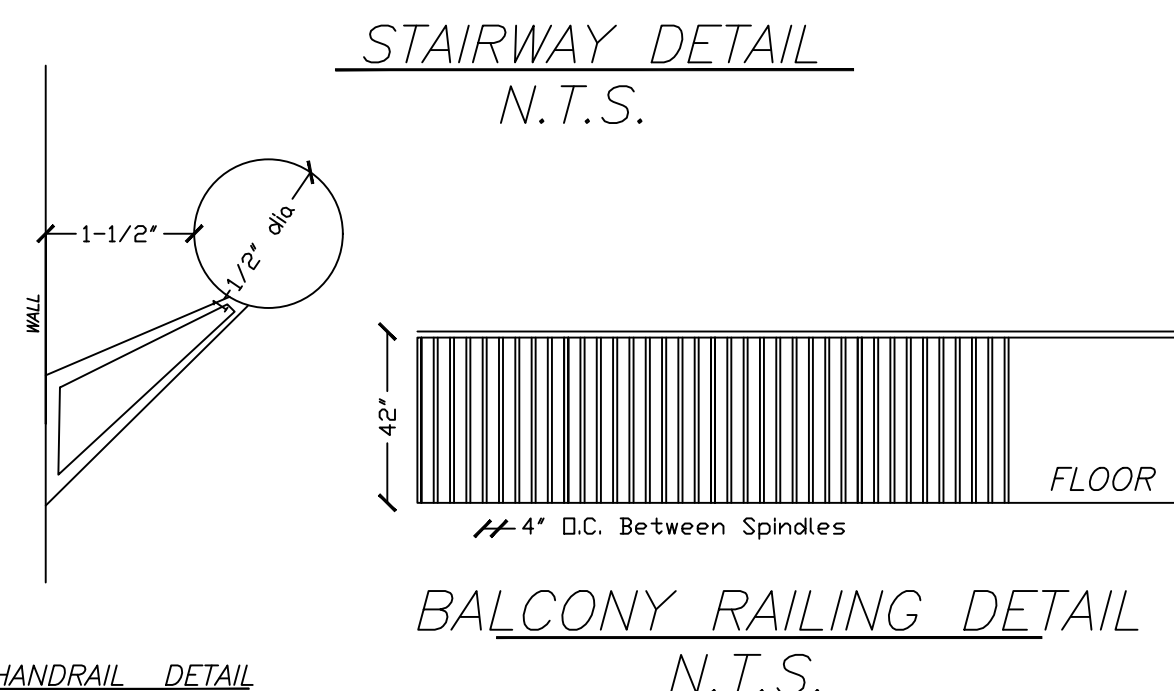
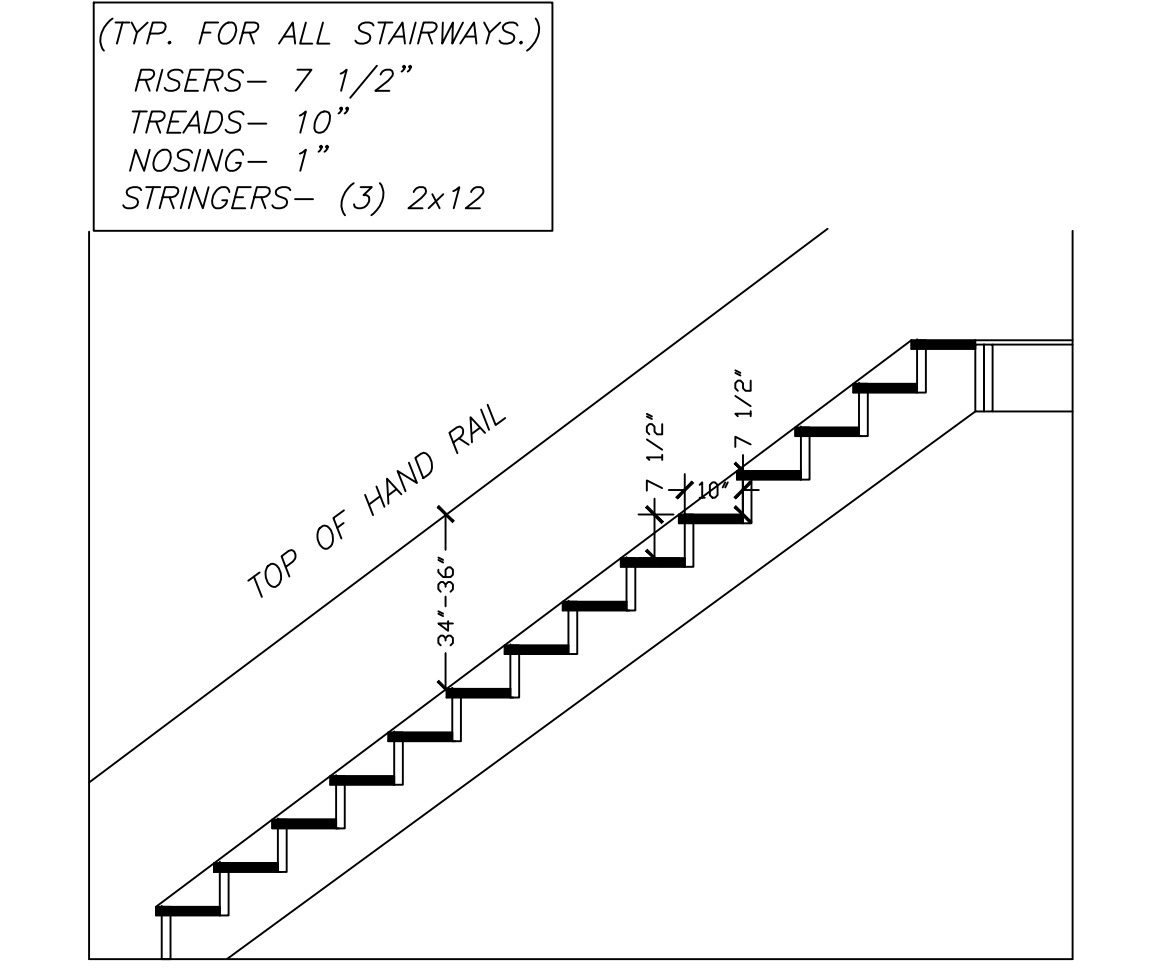
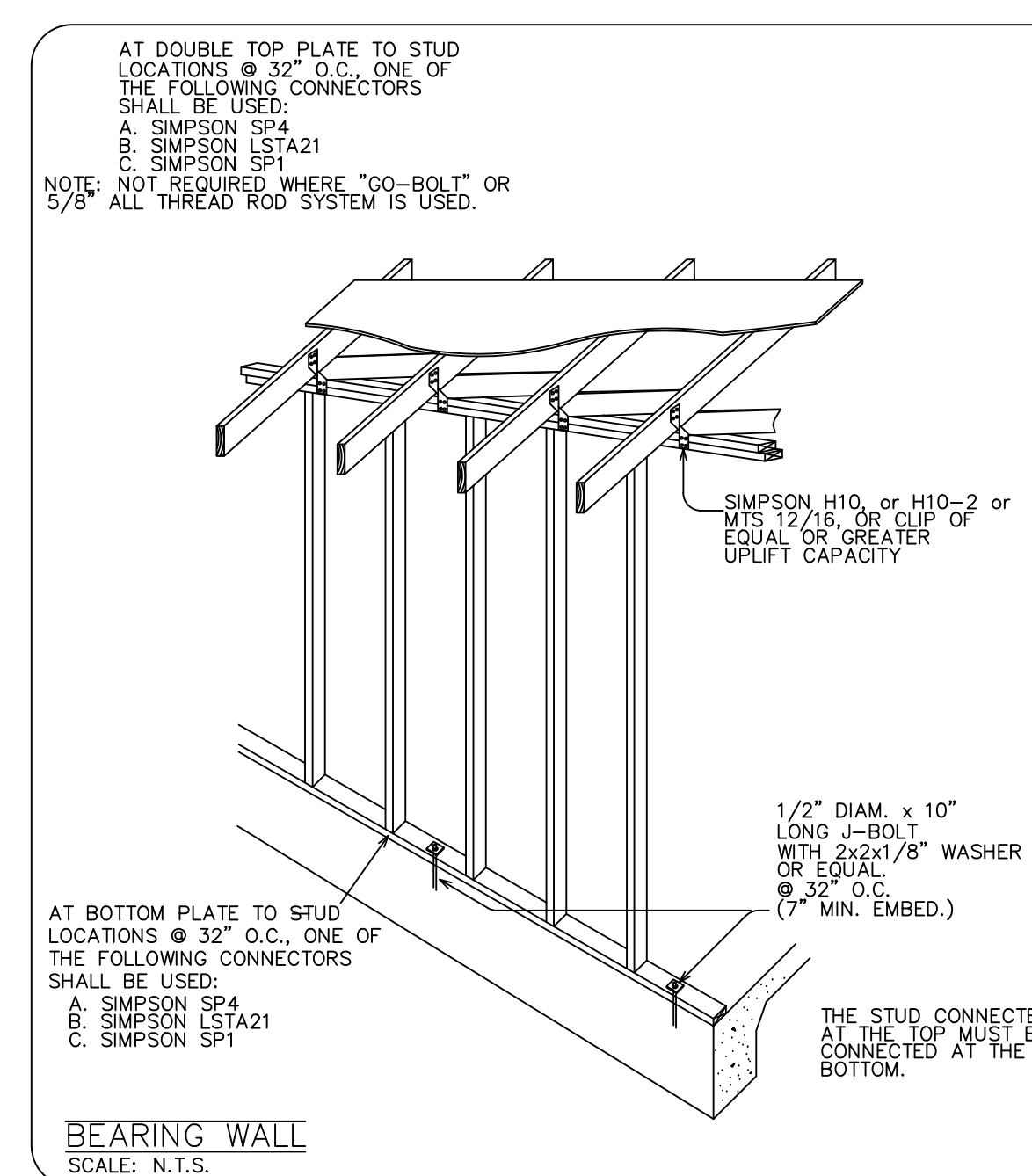
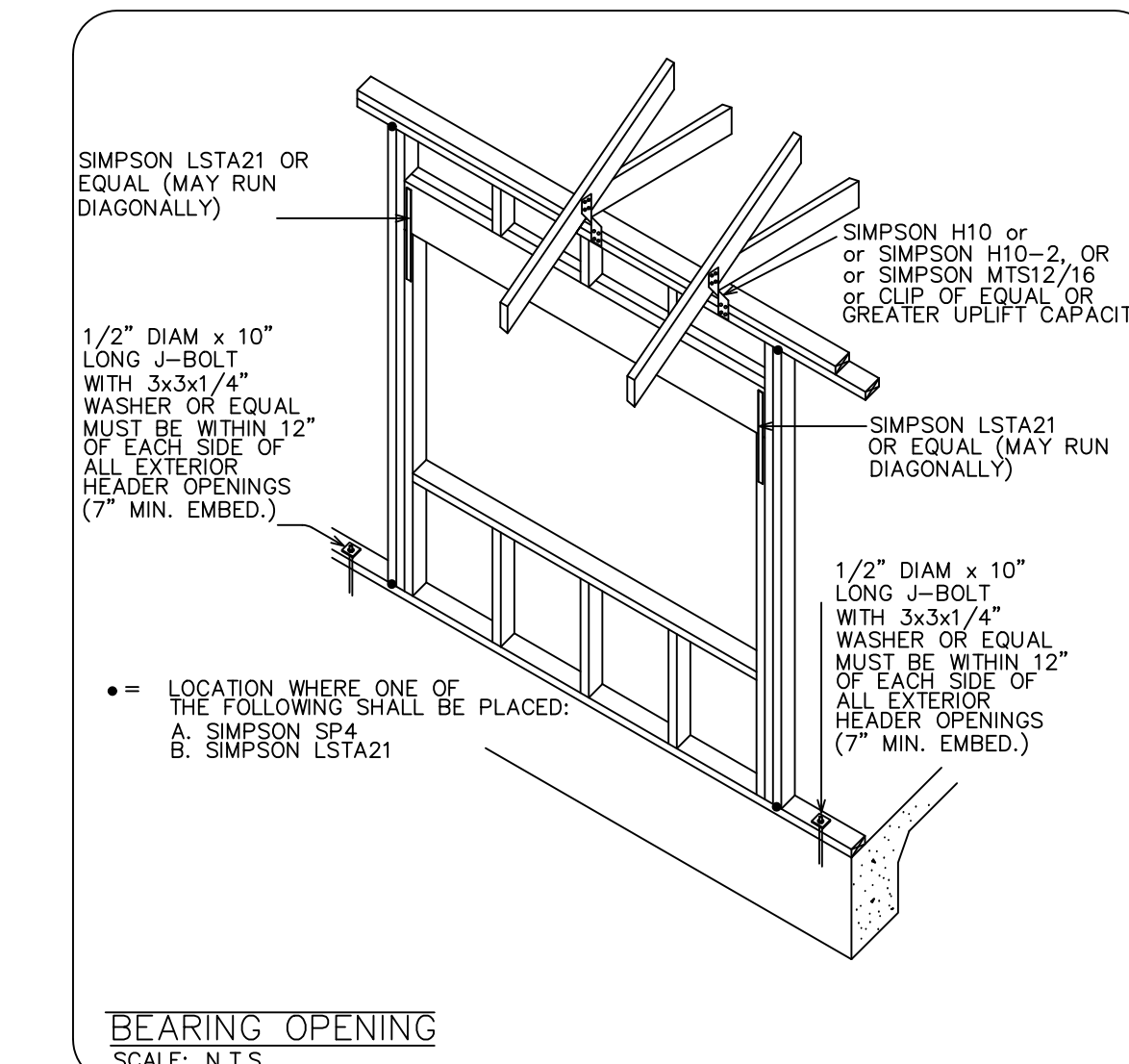
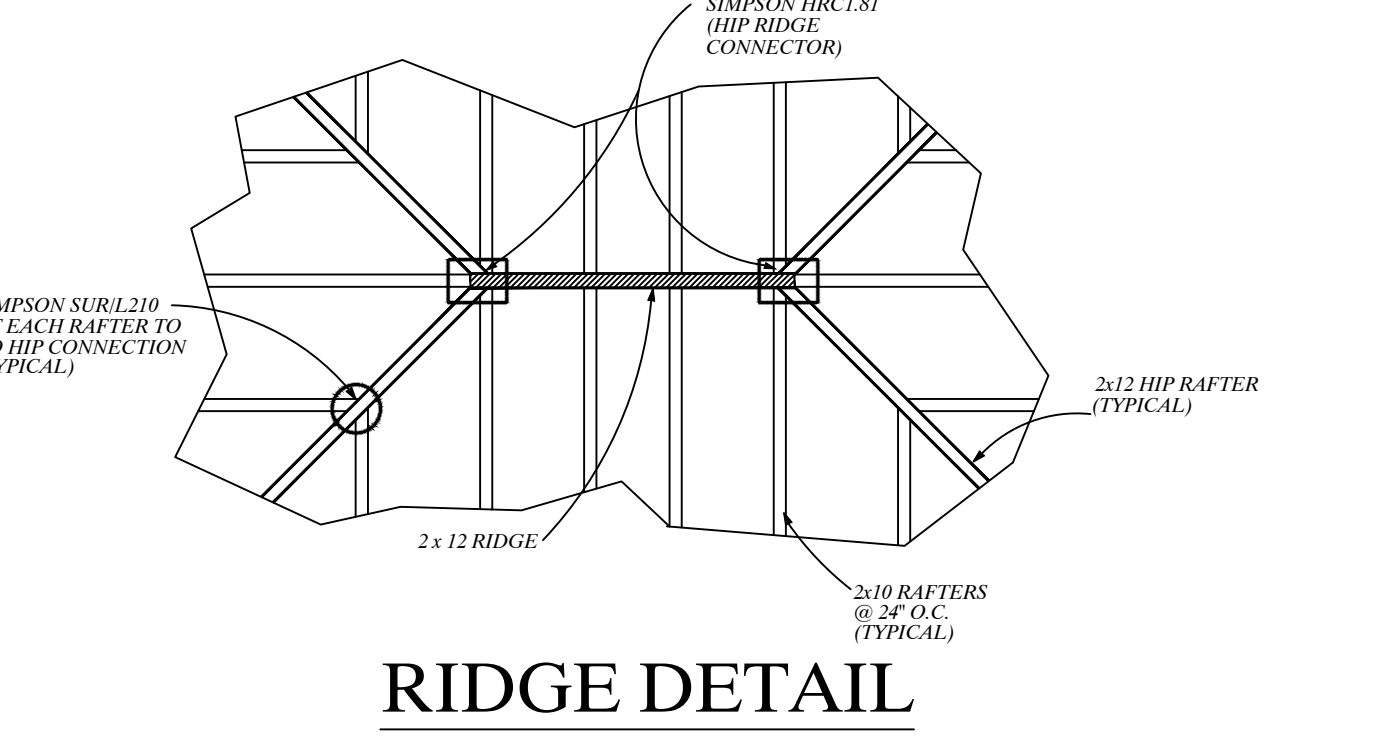
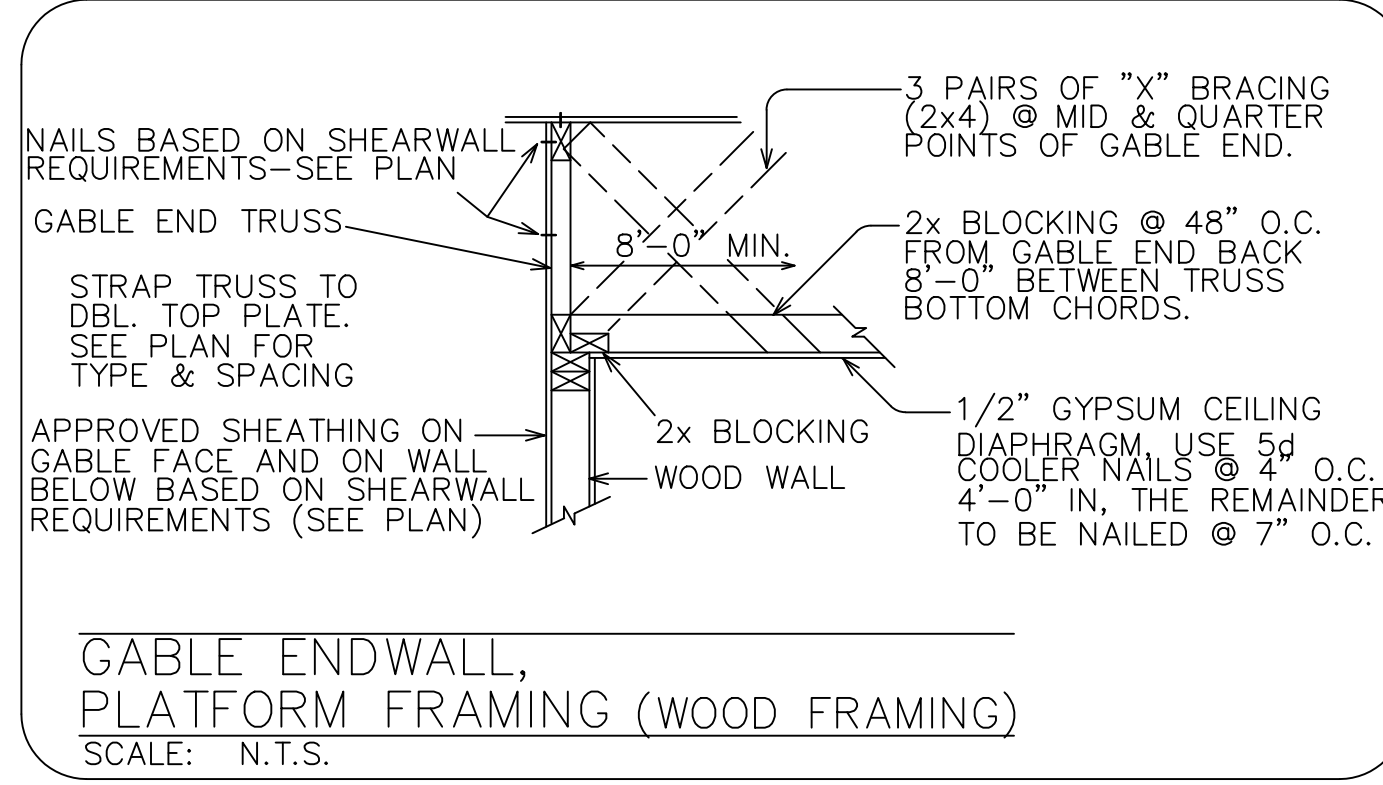
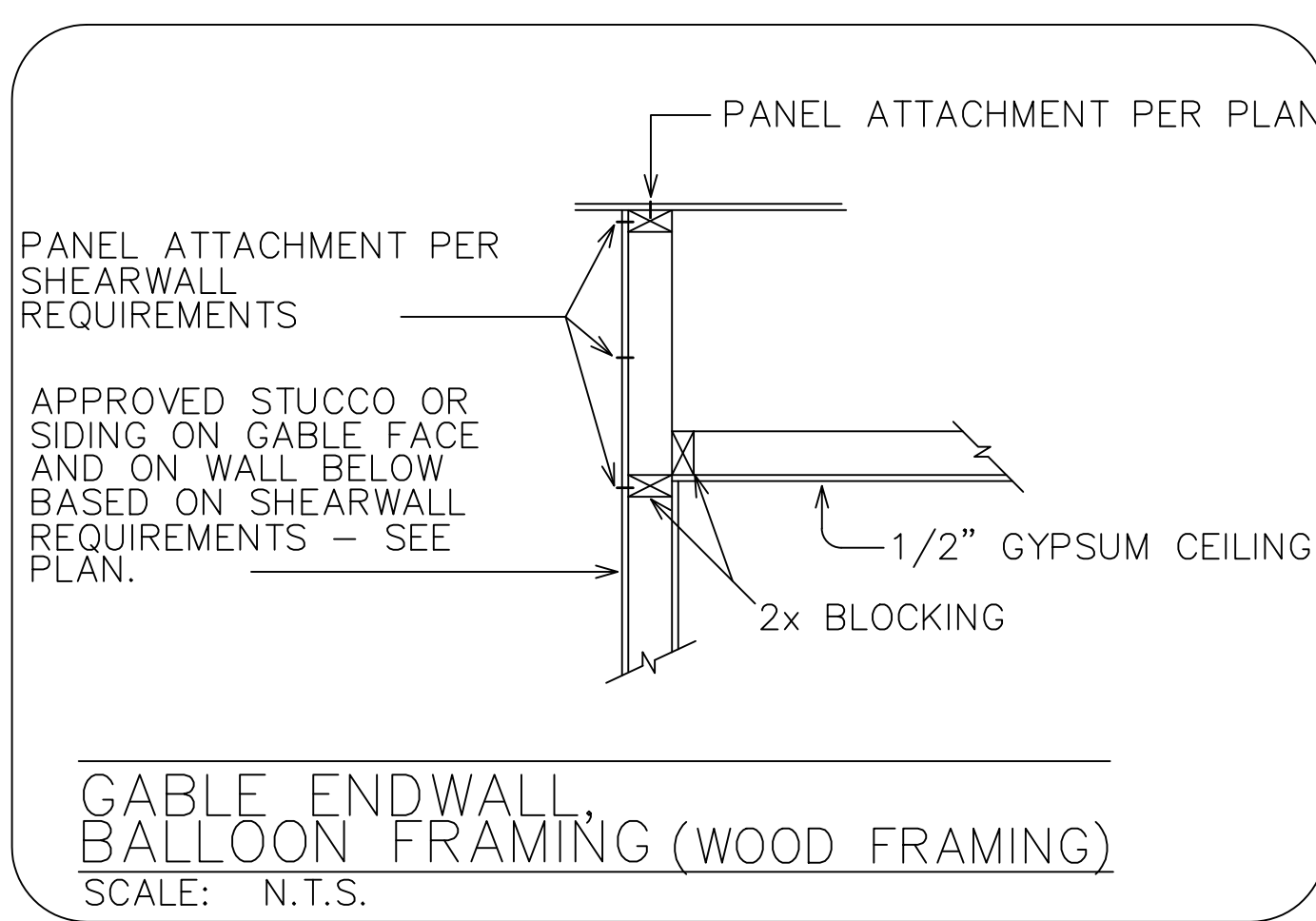
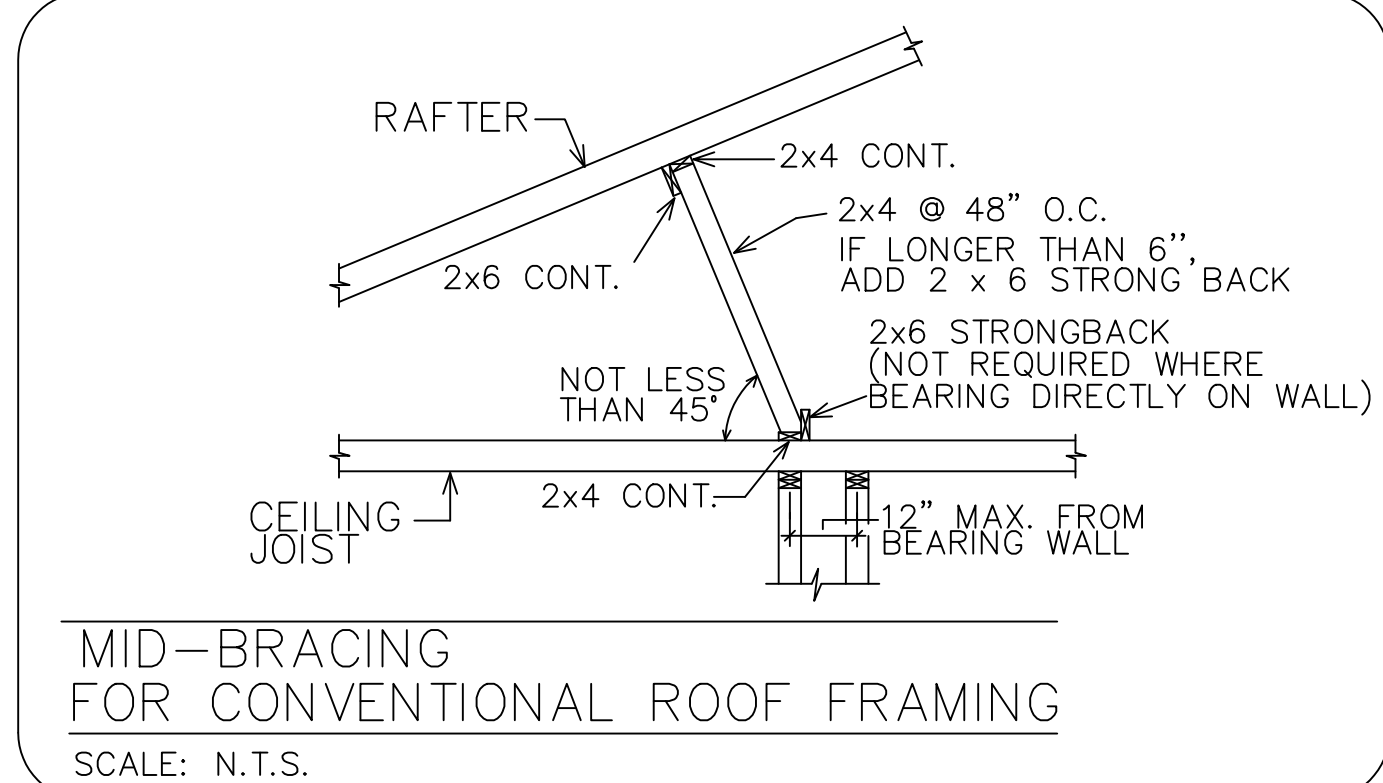
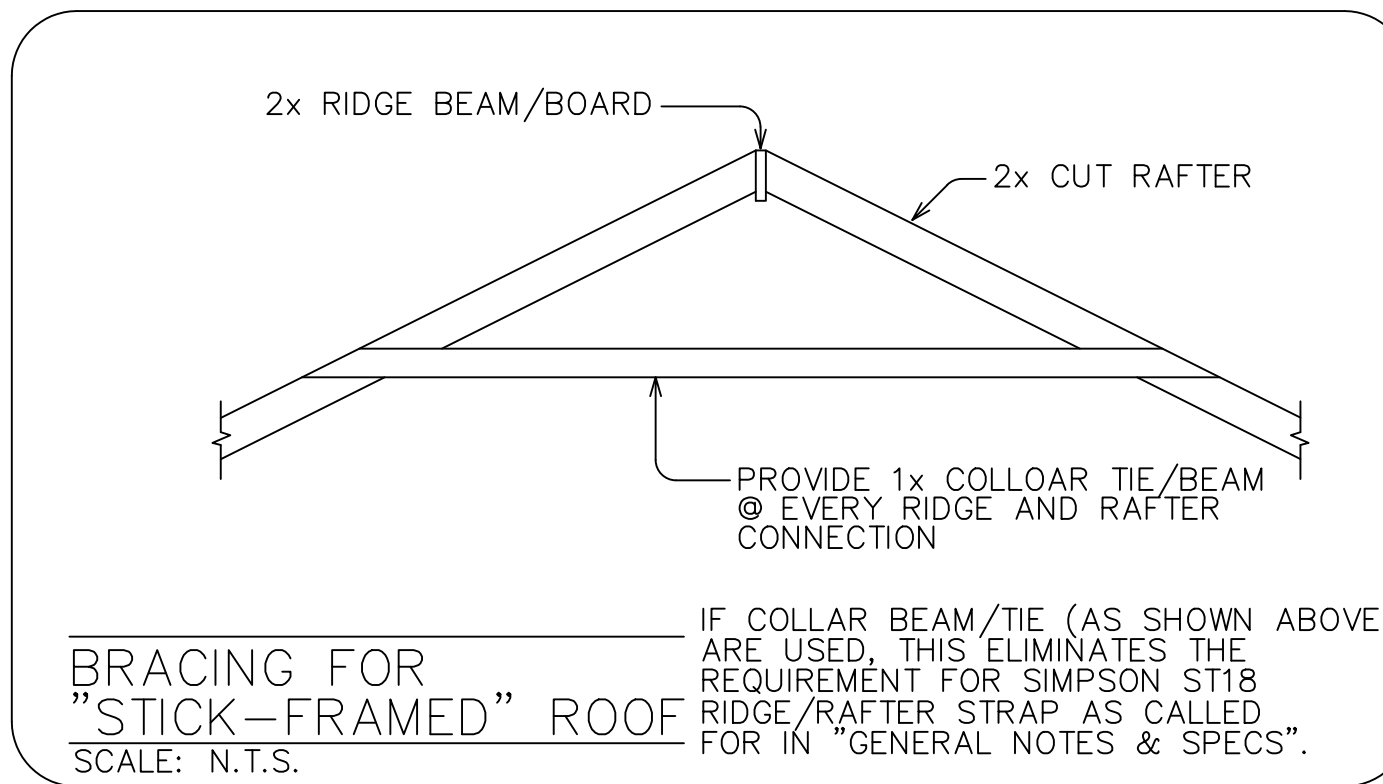
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OCISO TRAINING CENTER RESTROOMS
 700 CHAPPIE JAMES STREET, NW
 CRESTVIEW, FL 32536

CONTRACTOR:
 DRAWING DESCRIPTION
 JOB #
 DRAWN BY:
 CHECKED BY:EA & MN
 DATE: 01/08/2024
 SCALE: NONE

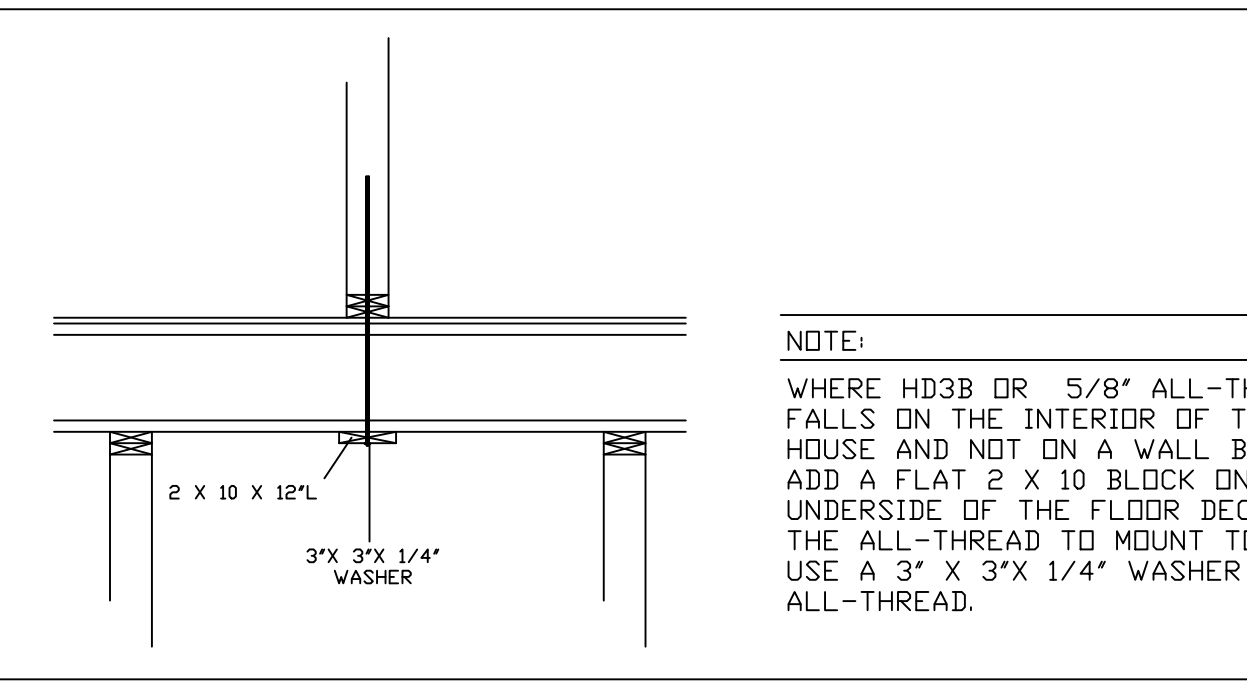
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S-1



MINIMUM WALL AND HEADER STUD REQUIREMENTS						
MAXIMUM HEADER SPAN (FEET)						
3'	6'	9'	12'	15'	18'	
NUMBER OF HEADER STUDS SUPPORTING END OF HEADER						
1	1	2	2	2	2	
NUMBER OF FULL-LENGTH STUDS AT END OF HEADER						
UNSUPPORTED WALL HGT	STUD SPACING					
10'	12"	1	2	2	2	2
OR LESS	16"	2	2	3	3	3
	24"	2	2	3	3	3
GREATER THAN 10'	12"	1	2	2	2	3
	16"	2	2	3	3	4
	24"	2	2	3	4	5

WALL FRAMING SCHEDULE			
VERTICAL WALL HEIGHT	SIZE	PLATE MAT'L	TOP PLATE NAILING
8' TO 9'	2X4 @ 16" O.C.	S.Y.P.	16" O.C.
10' TO 11'	2X6 @ 16" O.C.	S.Y.P.	12" O.C.
12' TO 14'	2X6 @ 12" O.C.	S.Y.P.	9" O.C.



WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE AUTHOR CANNOT GAURANTEE AGAINST HUMAN ERROR. THE CONTRACTOR ON THE JOB SITE MUST CHECK ALL DIMENSIONS AND OTHER DETAILS FOR ACCURACY BEFORE AND DURING CONSTRUCTION AND BE RESPONSIBLE FOR SAME.

GULF COAST ENGINEERING
STRUCTURAL DETAIL SHEETS
ARE COPYRIGHTED. ANY UNAUTHORIZED USE OR REPRODUCTION IS EXPRESSLY PROHIBITED, AND SHALL BE AN INFRINGEMENT OF THE FEDERAL COPYRIGHT ACT.

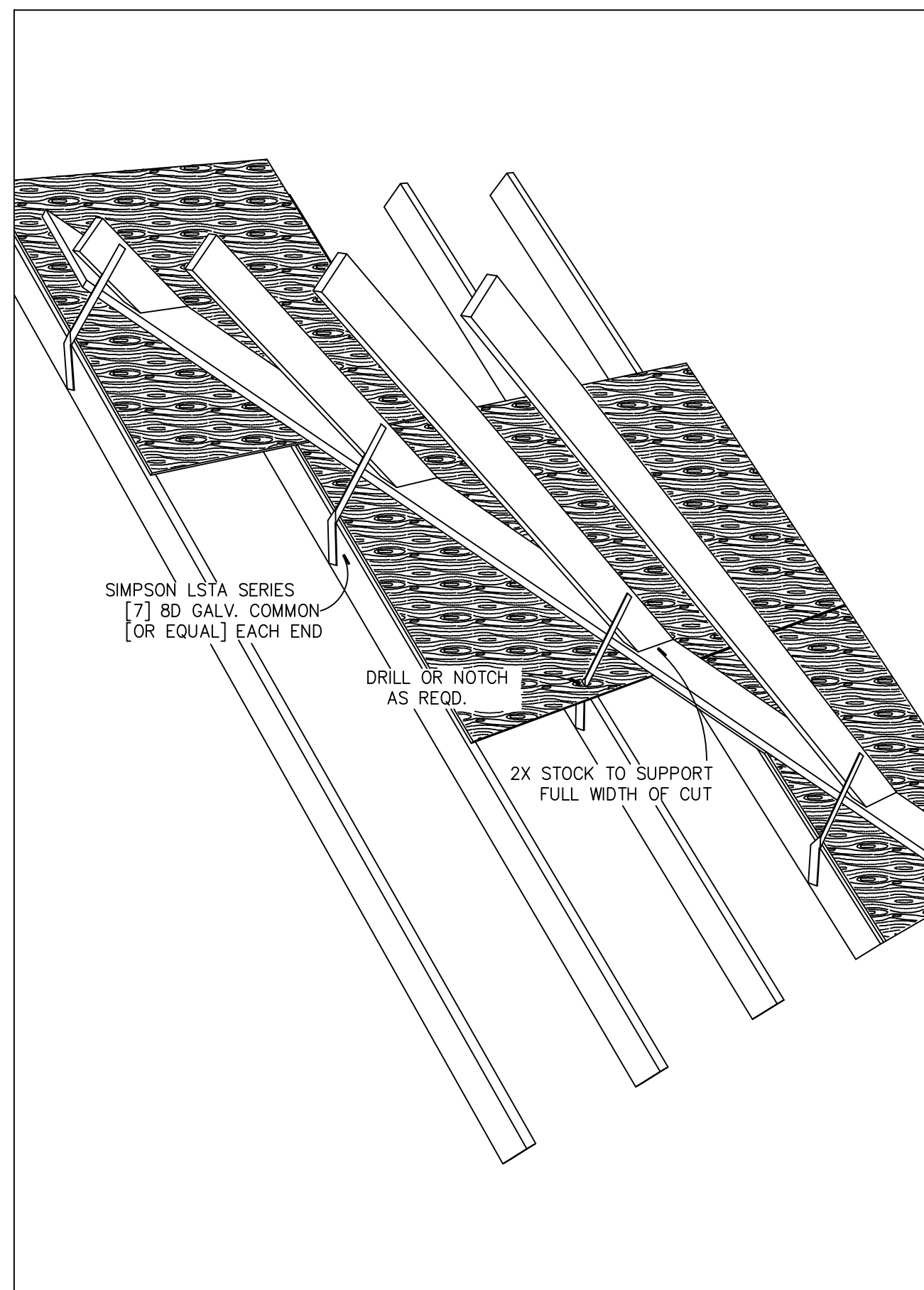
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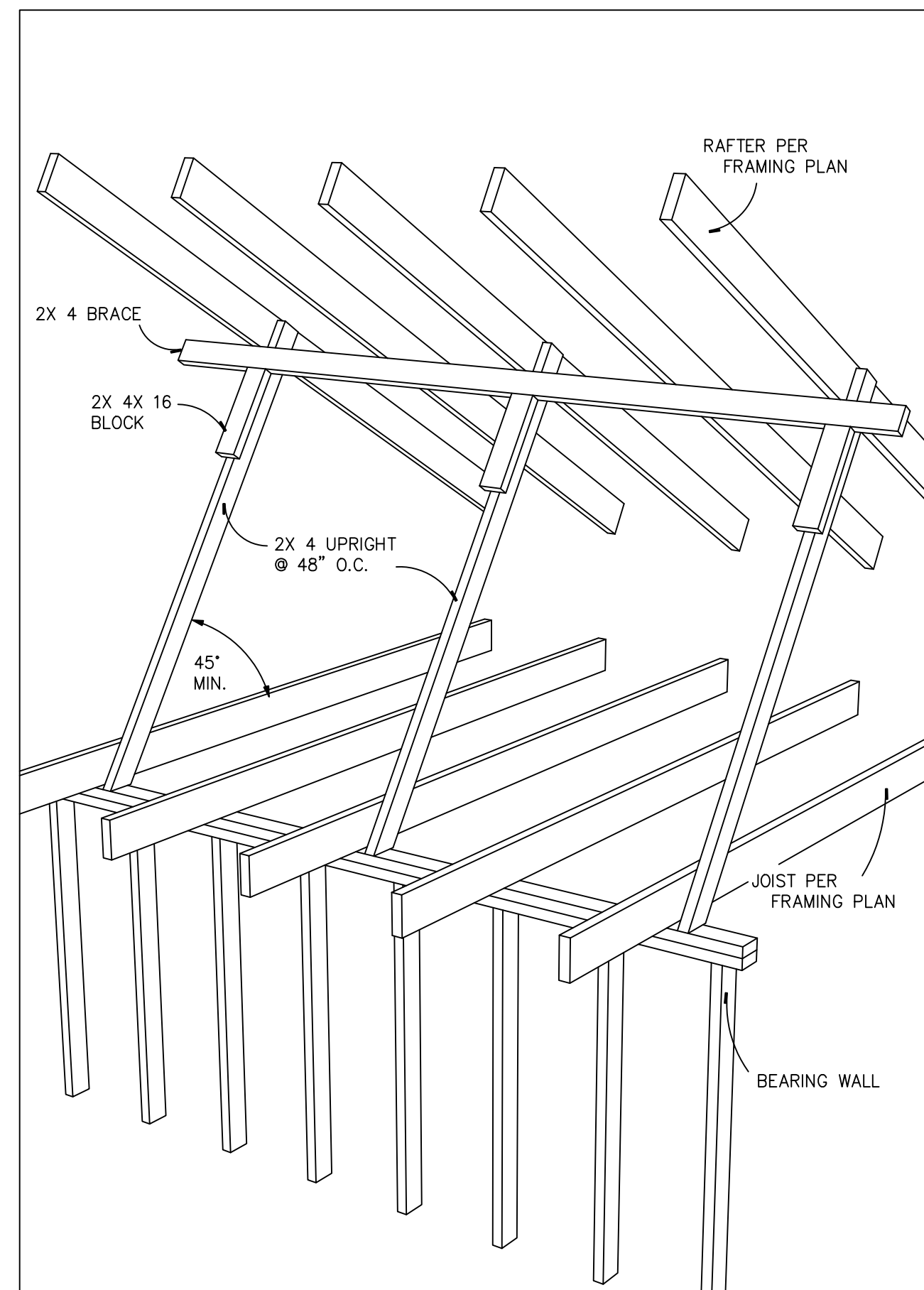
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DRAWN BY:
CHECKED BY: EWA/MDN
DATE: 01/08/2024
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S-2



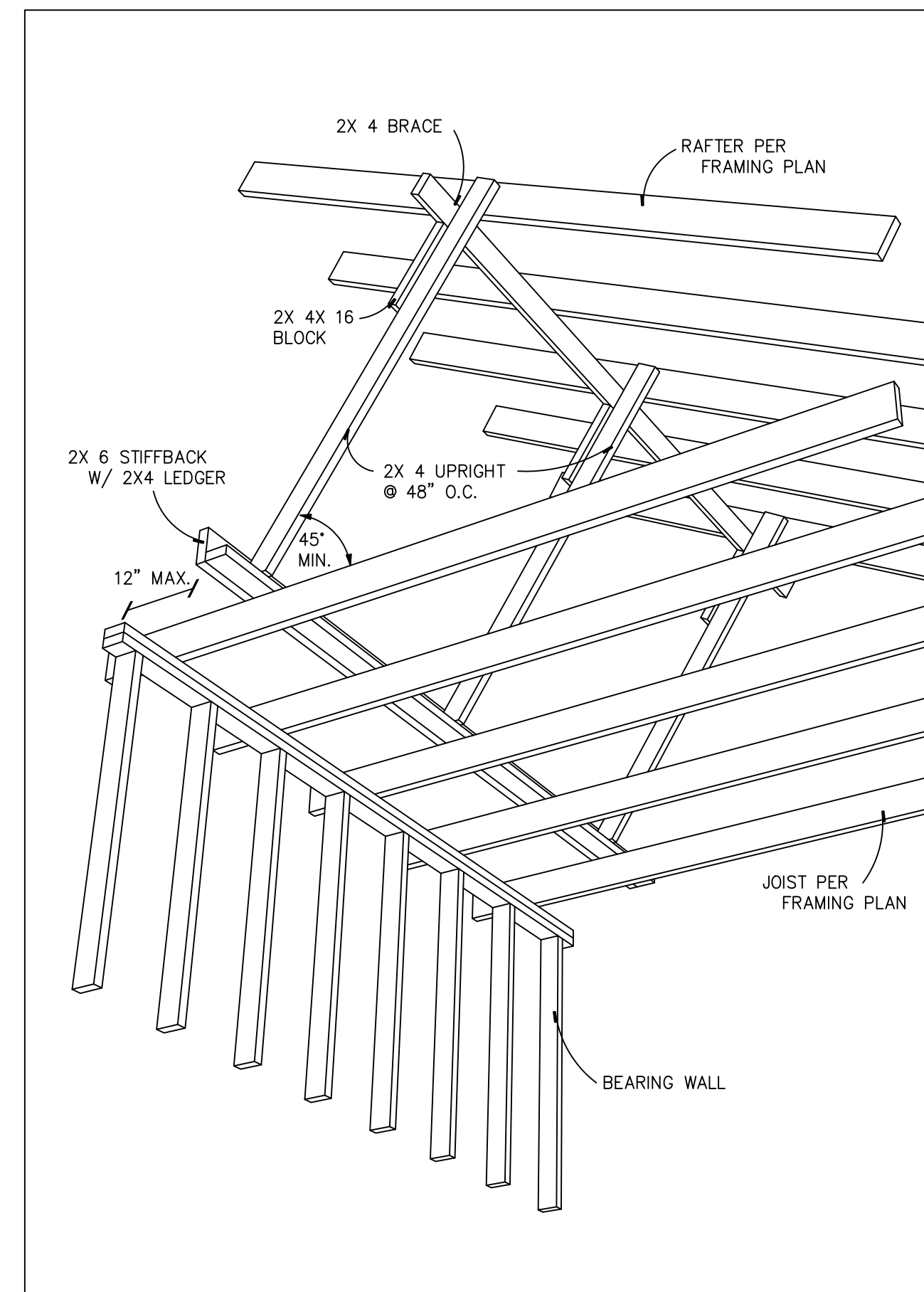
LAY ON VALLEY

A



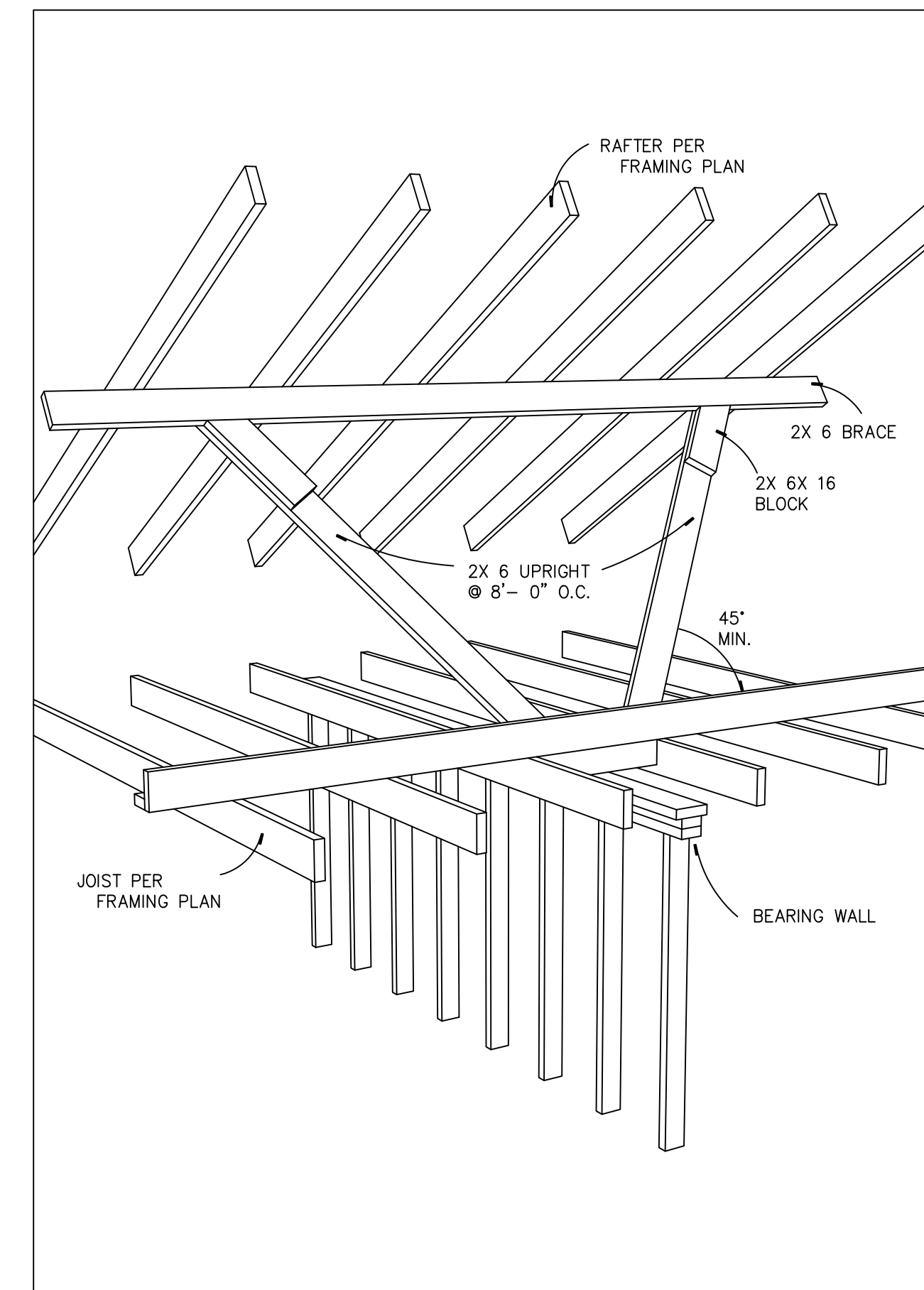
RAFTER MID BRACING

B



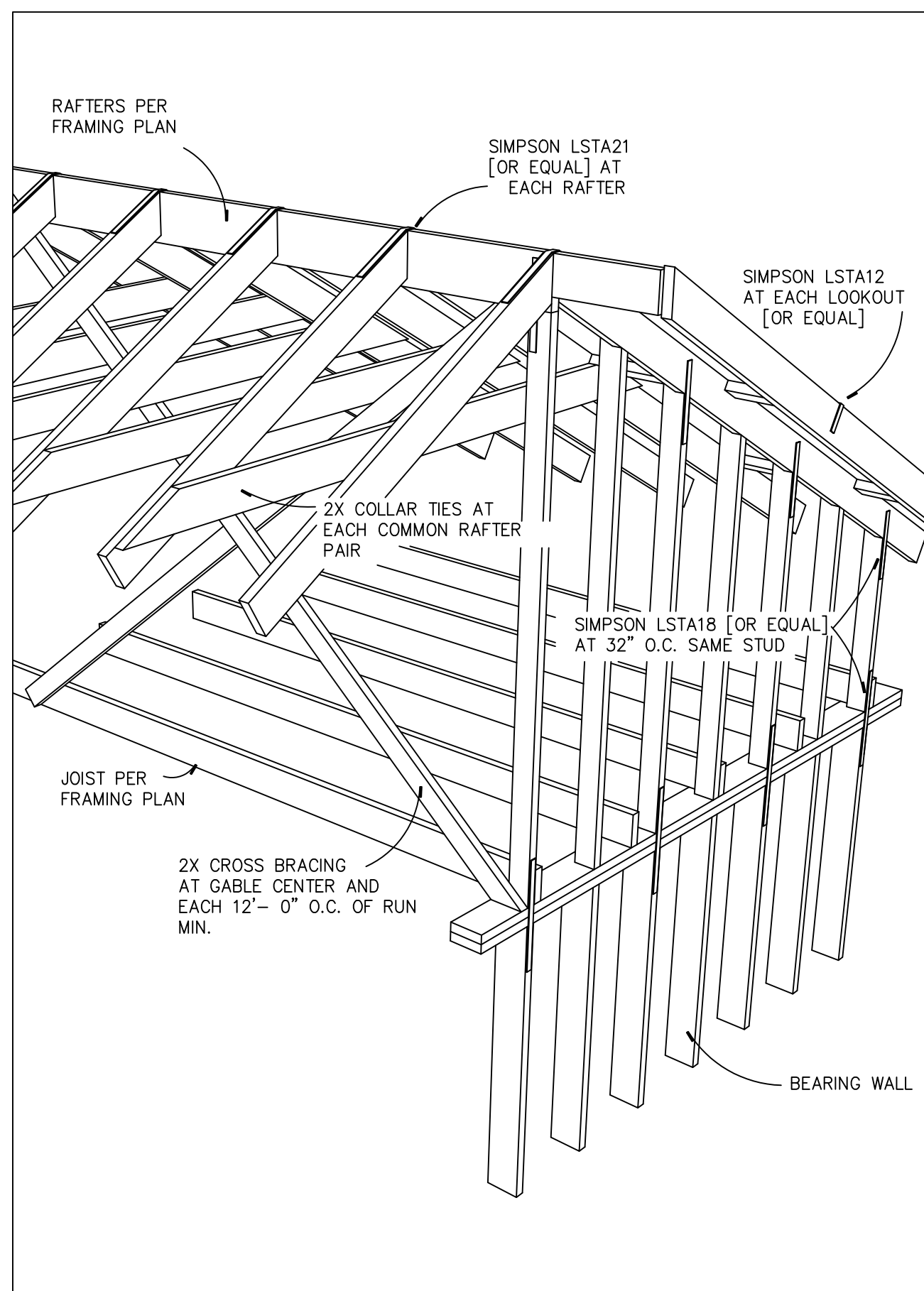
RAFTER MID BRACING

C



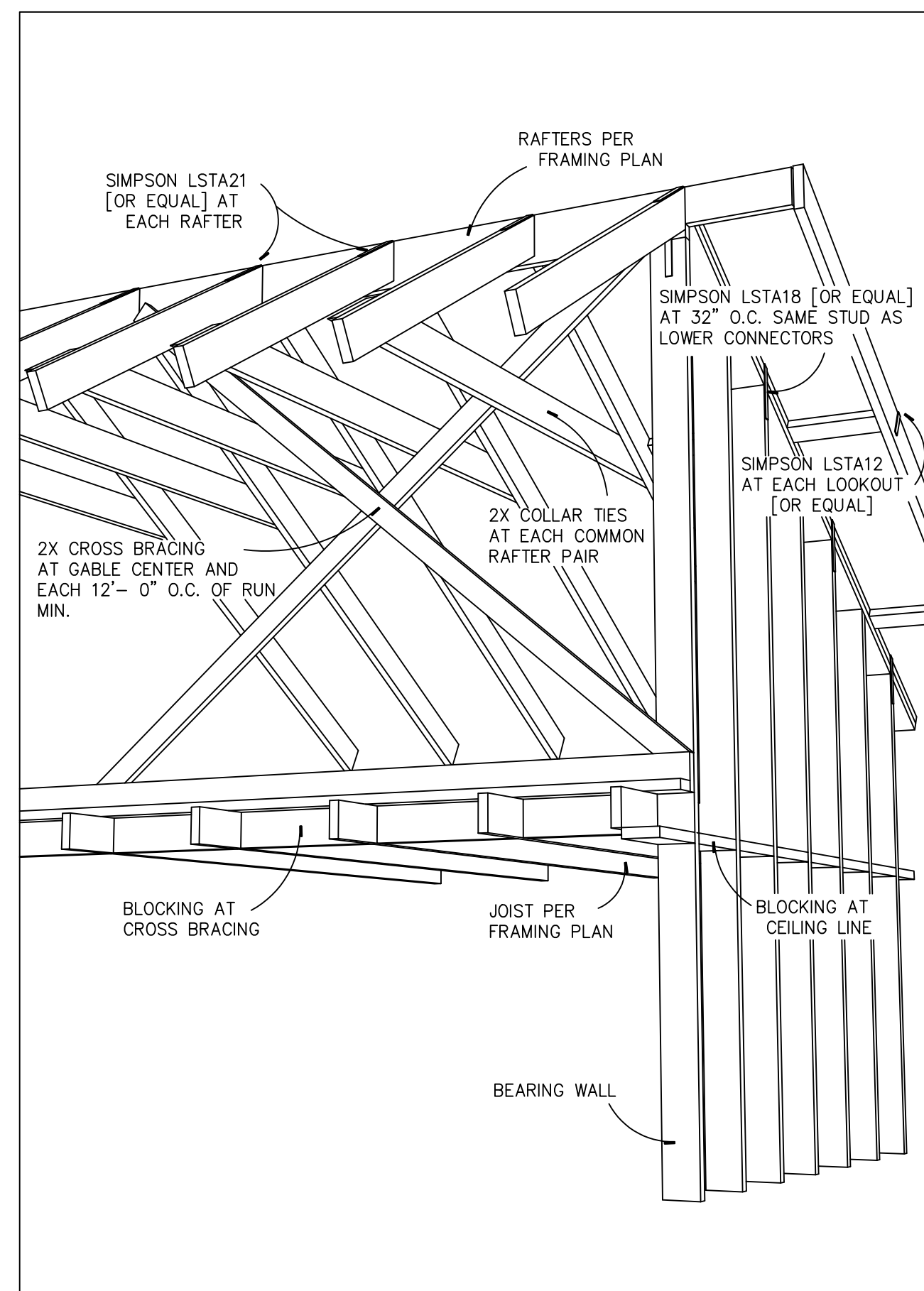
RAFTER MID BRACING

D



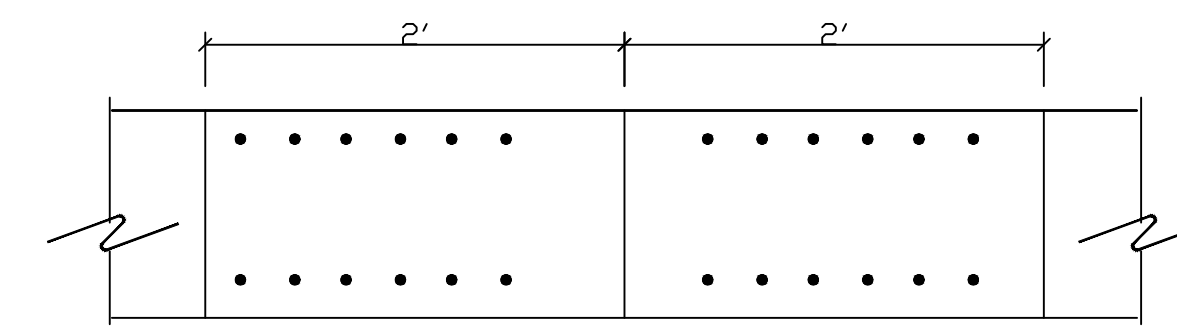
GABLE END PLATFORM FRAME

E



GABLE END BALOON FRAME

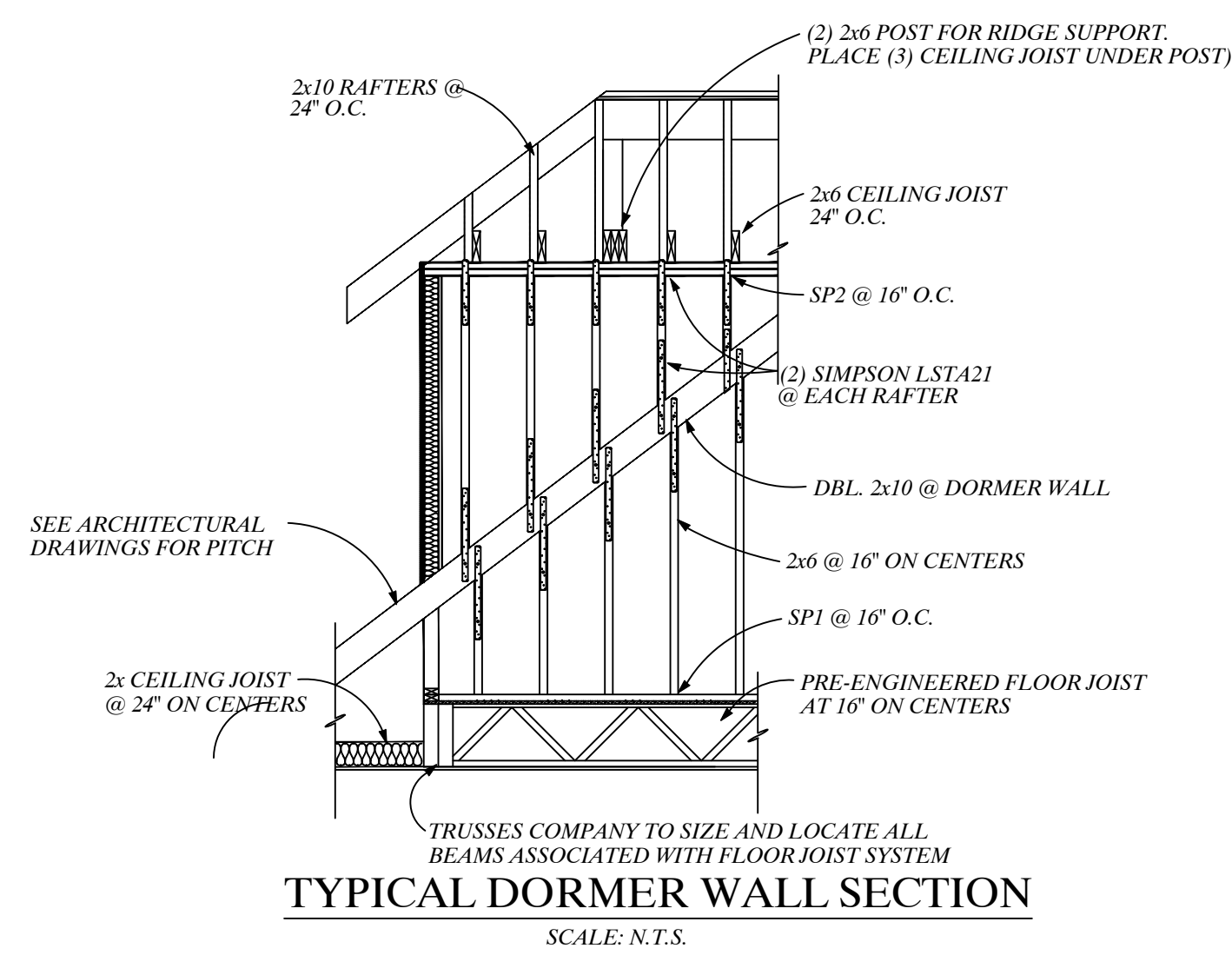
F



12-16d Nails Each Side & Glued
1/2" CDX Each Side. CDX Shall Be Width of Rafter

RAFTER SPLICE DETAIL

1. Where a rafter tail splice occurs the splice shall be twice the length of the rafter tail. The nailing pattern shall be 12-12d nails spaced
2. This will allow the hurricane clip to be applied to the rafter tail.



TYPICAL DORMER WALL SECTION
SCALE: N.T.S.

Floor System Girder Attachments Shall Be Simpson

SHEARWALL NOTES ON JOISTS

1. Place 1/2" CDX each side of wall.
2. Nail at 3/6 with 8d common nails.
3. Place double joist under each shear wall.
4. Tie each stud to joists below with Simpson LSTA36.
5. Place a Simpson Drag Strut Connector at all header to shear wall connections.

SHEARWALL NOTES ON CONCRETE

1. Place 1/2" CDX each side of wall.
2. Nail at 3/6 with 8d common nails.
3. Place 1/2" Anchor bolts in shear wall @ 48" O.C.
4. Place a HD3B OR 5/8" all thread rod at each end of each wall
5. Place a Simpson Drag Strut Connector at all header to shear wall connections.

FLOOR TRUSS NOTES:

1. Live Load = 50 psf
 2. Defl/max = Length/480
 3. Interior Wall Load = 750 plf
- All truss drawings, including floor and roof truss systems, are part of these drawings and must be submitted with these drawings for permit. Truss drawings must be submitted to the engineer of record for review to verify loads on foundation. Do not place concrete until loads are verified.

1000# PER SQ. FT. TILE ROOF
5/8" SHEATHING, TRUSSES @ 16" O.C.

TRUSS ENGINEER:

ALLOW FOR A 2000# POINT LOAD ON FRONT BALCONY COLUMNS

ENGINEER'S SEAL

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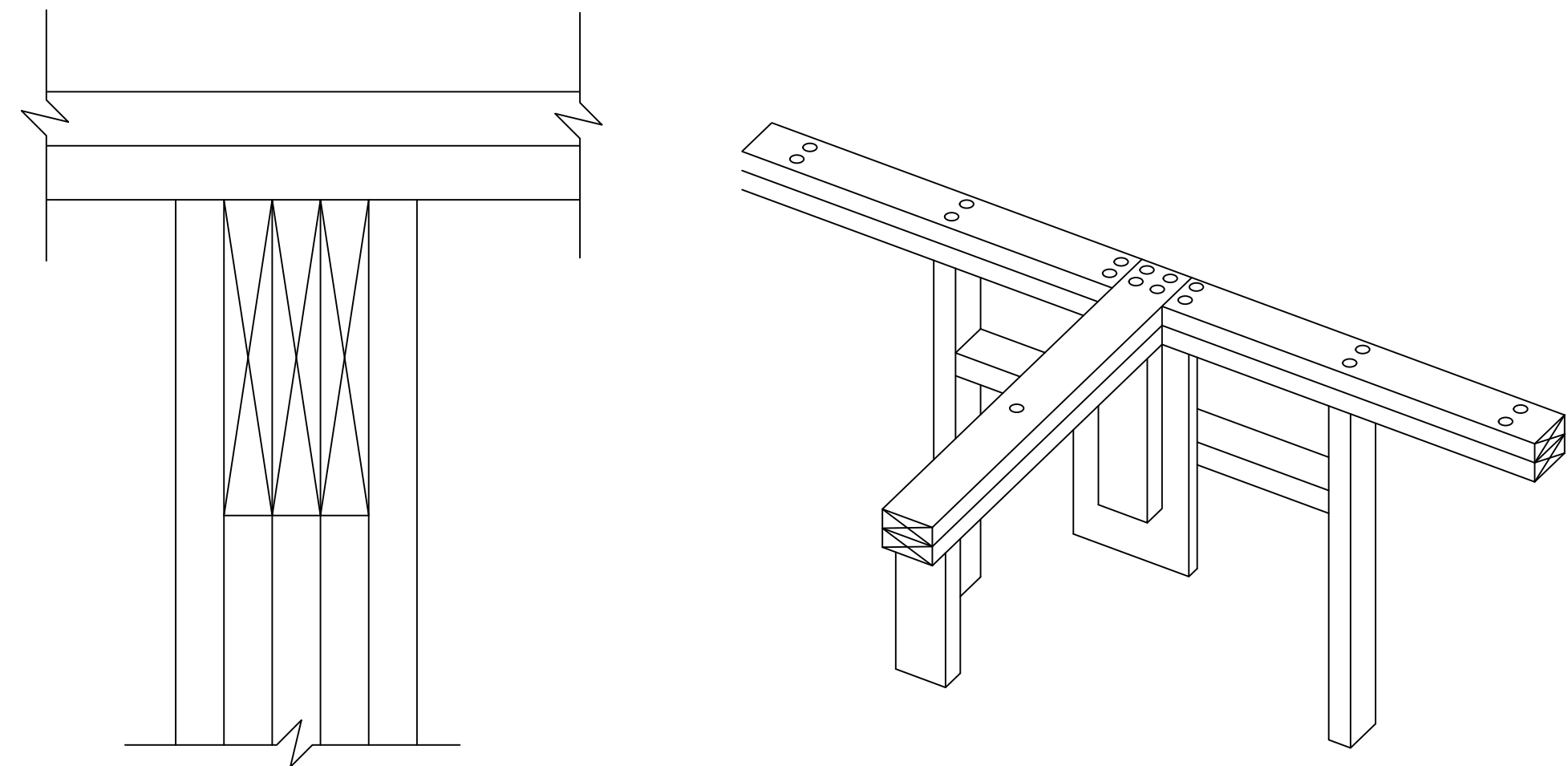
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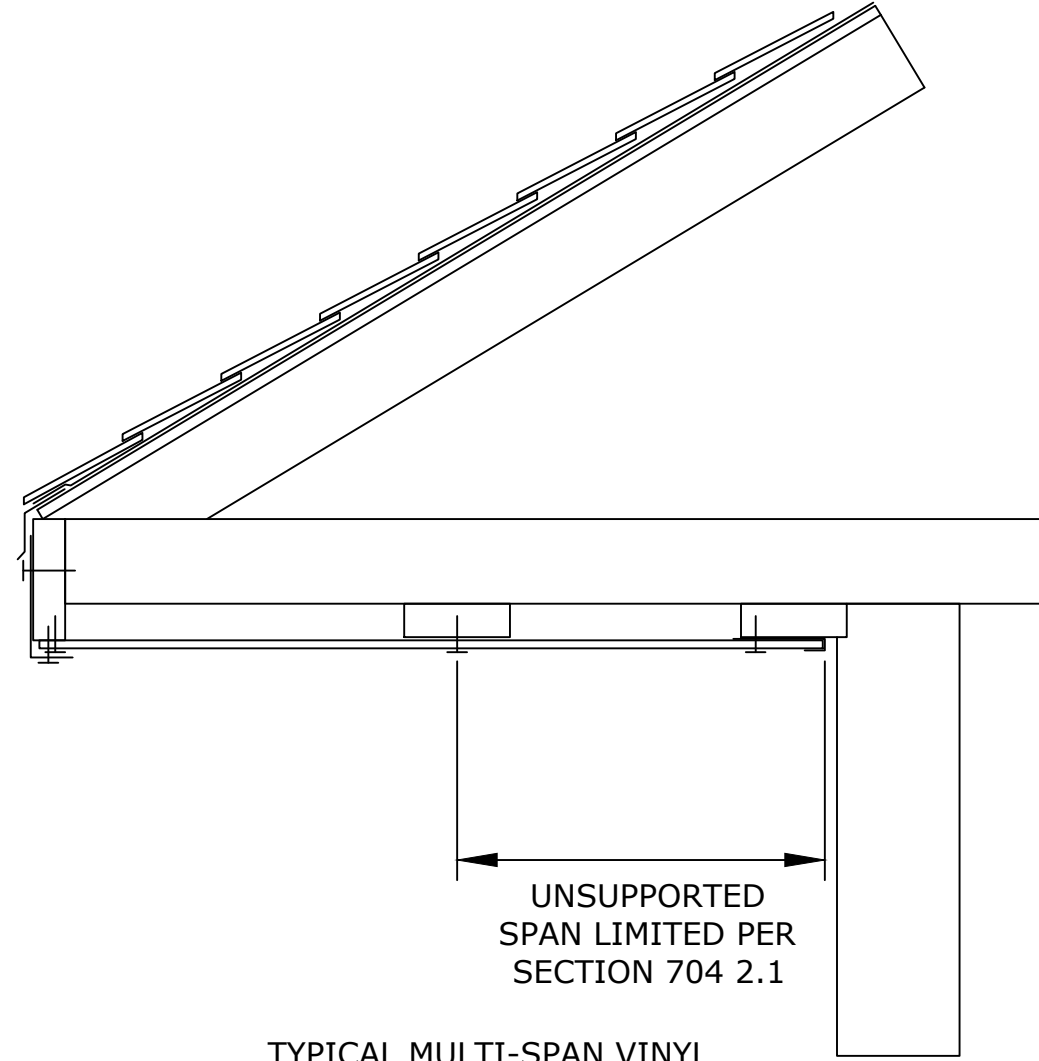
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S-3



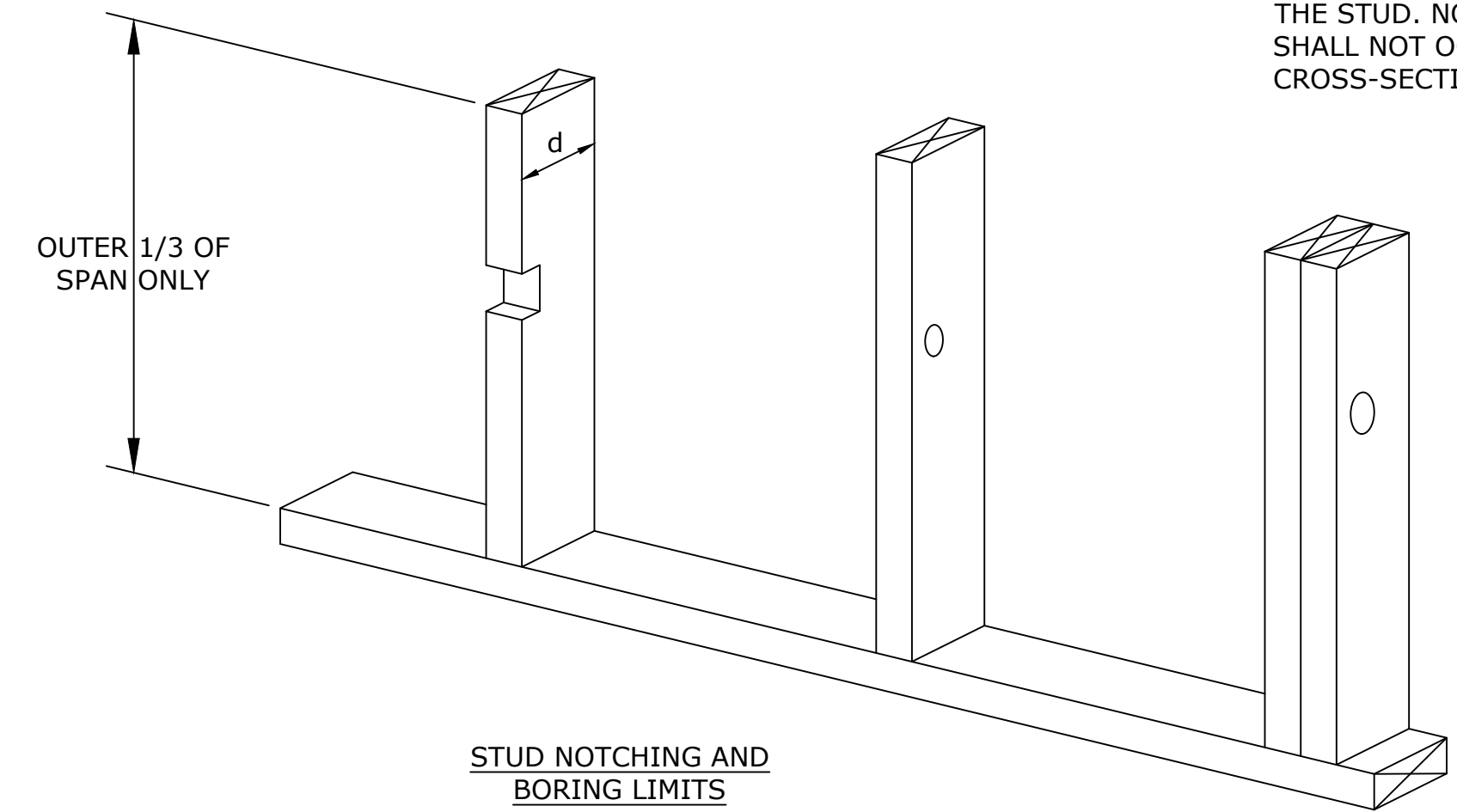
BEAM POCKET DETAIL

TOP PLATE INTERSECTION DETAIL

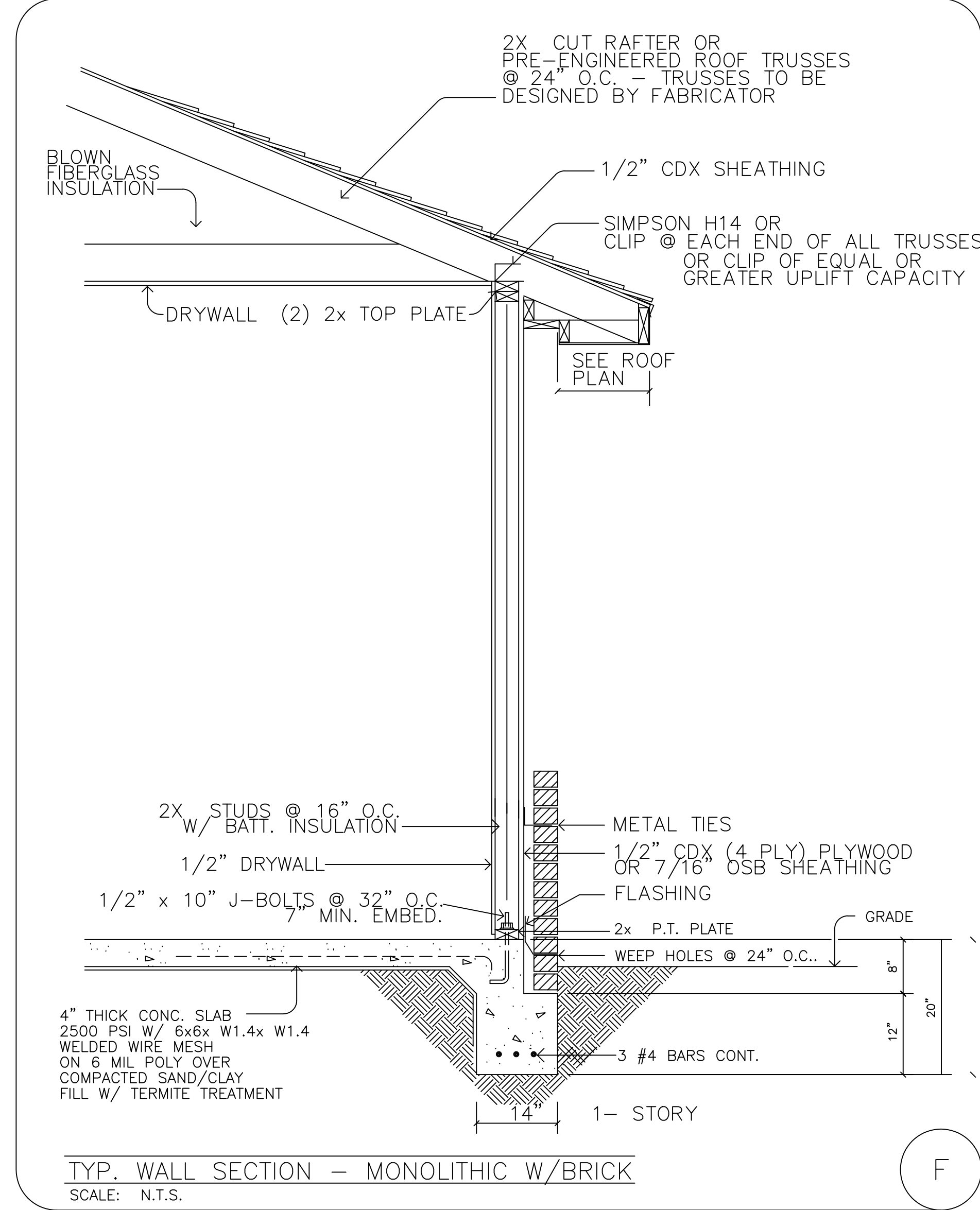


TYPICAL MULTI-SPAN VINYL SOFFIT PANEL SUPPORT

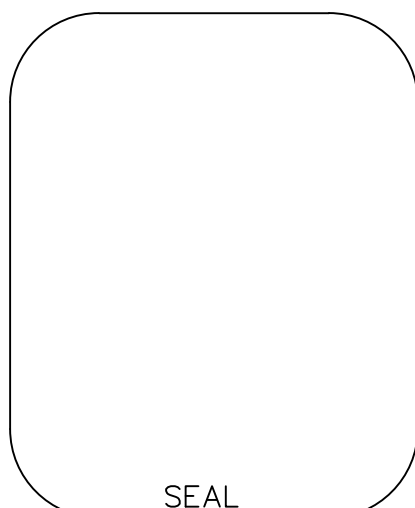
NOTCHING AND BORING: NOTCHES IN EITHER EDGE OF STUDS SHALL NOT BE LOCATED IN THE MIDDLE ONE-THIRD OF THE STUD LENGTH. NOTCHES IN THE OUTER THIRDS OF THE STUD LENGTH SHALL NOT EXCEED 25% OF THE ACTUAL STUD DEPTH. BORED HOLES SHALL NOT EXCEED 40% OF THE ACTUAL STUD DEPTH AND THE EDGE OF THE HOLE SHALL NOT BE CLOSER THAN 5/8" TO THE EDGE OF THE STUD. NOTCHES AND HOLES SHALL NOT OCCUR IN THE SAME CROSS-SECTION



STUD NOTCHING AND BORING LIMITS



TYP. WALL SECTION - MONOLITHIC W/BRICK
SCALE: N.T.S.



NO.	Dwg. Issue	Date

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SCALE: NONE

DRAWING NO.
S-4