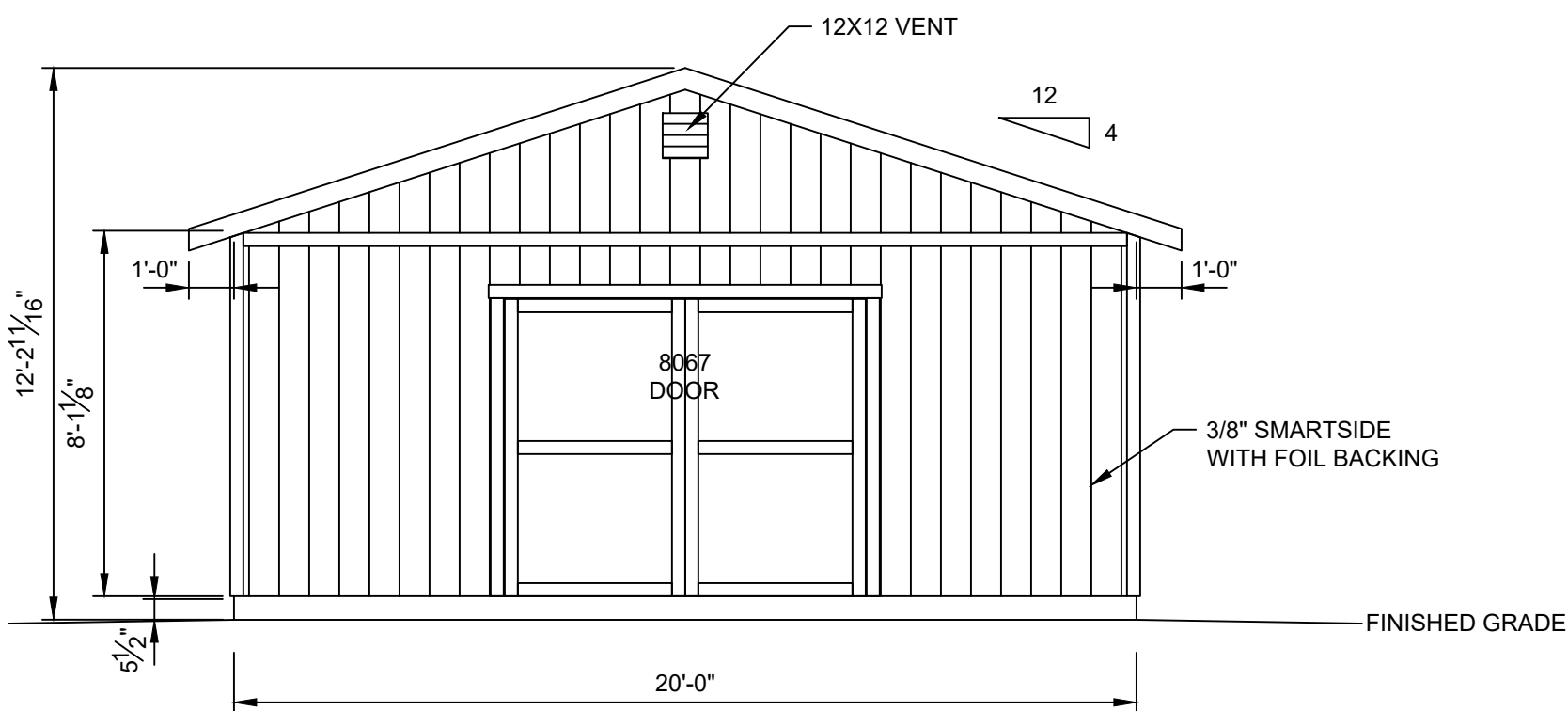


ACCESSORY BUILDING
20' X 24' = 480 SQ FT

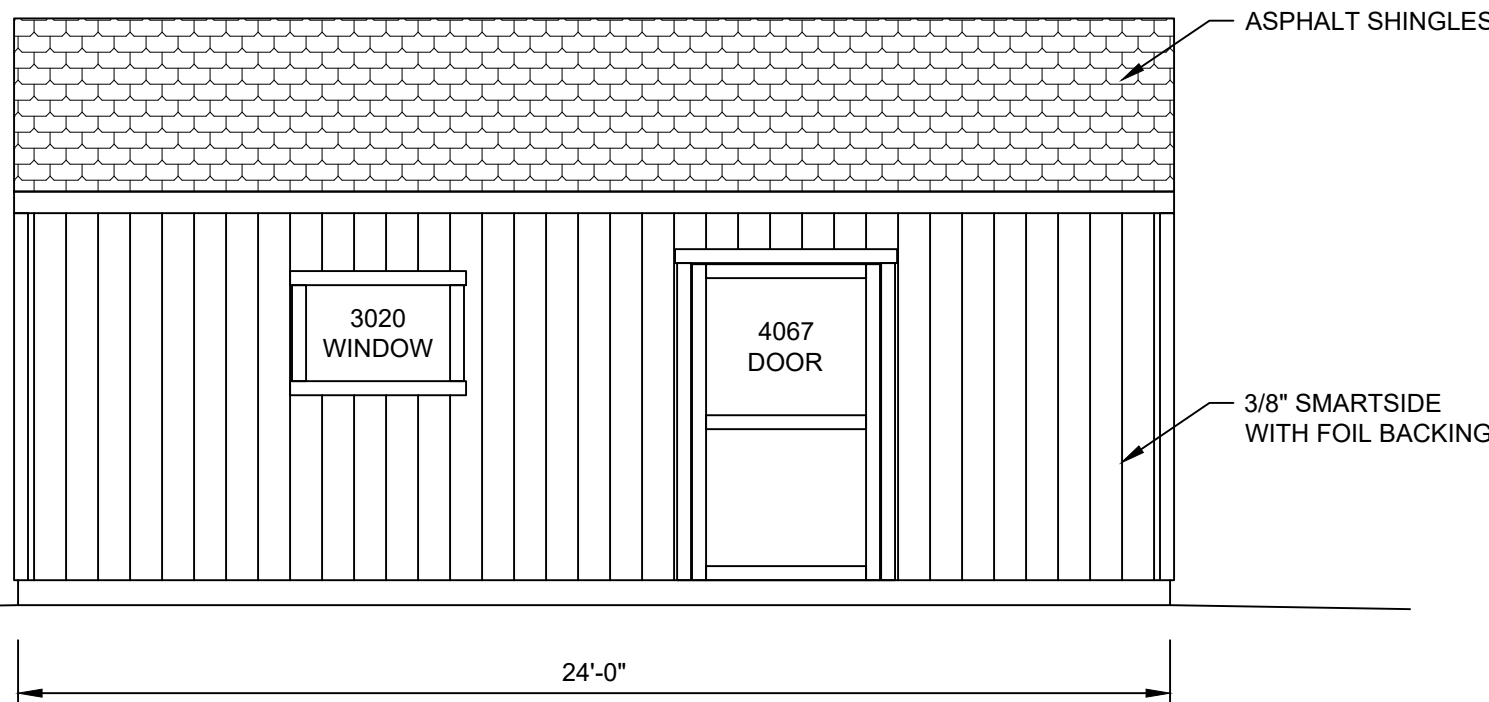
DRAWING INDEX
S1 - PROJECT NOTES, ELEVATIONS
S2 - PLANS, SHEAR WALL SCHEDULE
S3 - SECTIONS, DETAILS

PROJECT NOTES

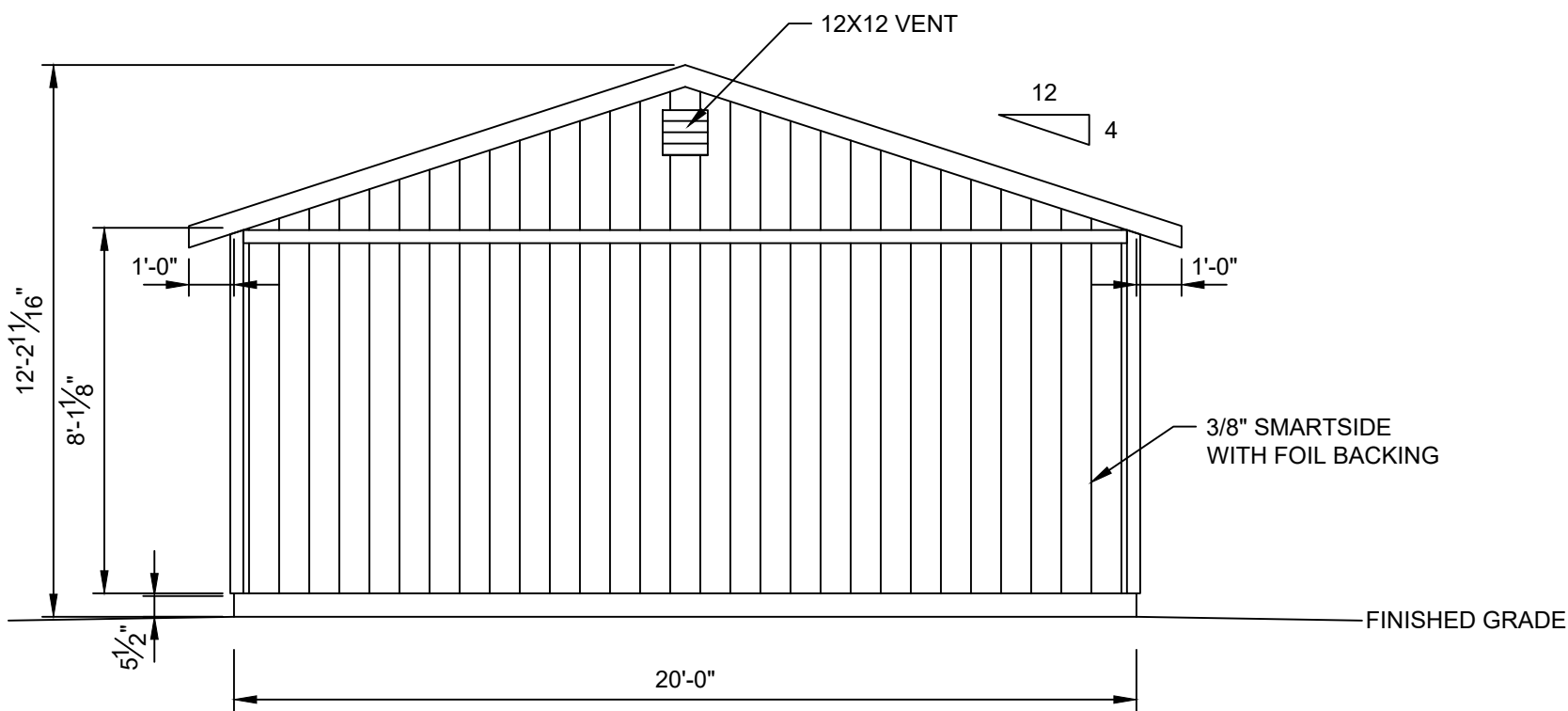
- DESIGN REQUIREMENTS
- GOVERNING CODES: FLORIDA BUILDING CODE, 7TH EDITION (2020)
 - OCCUPANCY REQUIREMENTS: GROUP U
 - CONSTRUCTION TYPE: V-B
 - DESIGN SCHEDULE
 - BUILDING SIZE
 - WIDTH: 20'-0"
 - LENGTH: 24'-0"
 - SIDE WALL HEIGHT: 8'-1 1/8"
 - TOTAL HEIGHT: 12'-2 5/8"
 - BUILDING LOADS
 - ROOF LIVE LOAD: 20 PSF
 - ROOF DEAD LOAD: 10 PSF
 - DESIGN WIND LOAD
 - ULTIMATE DESIGN WIND SPEED: 160 MPH
 - NOMINAL DESIGN WIND SPEED: 124 MPH
 - BUILDING RISK CATEGORY: I
 - WIND EXPOSURE: CATEGORY C
 - ENCLOSURE CLASSIFICATION: ENCLOSED
 - INTERNAL PRESSURE COEFFICIENTS: -0.18/+0.18
 - EDGE STRIP DISTANCE, a = 3'-0"
 - NOMINAL COMPONENTS & CLADDING WIND PRESSURES:
 - ZONE 1: -31 PSF/+19 PSF
 - ZONE 2: -53 PSF/+19 PSF
 - ZONE 3: -79 PSF/+19 PSF
 - ZONE 4: -36 PSF/+34 PSF
 - ZONE 5: -45 PSF/+34 PSF
 - ROOF PITCH: 4/12
 - ROOFING SCHEDULE
 - ROOF SHEATHING SHALL BE APA RATED 7/16" THICK OSB WITH FOIL BACKING. STAGGER LAYOUT PER APA CONDITION 1.
 - ROOF DIAPHRAGM SHALL BE UNBLOCKED.
 - SHEATHING NAILING SHALL BE PER NAILING SCHEDULE.
 - LIFETIME DIMENSIONAL ASPHALT SHINGLES (U.N.O.).
 - FELTBUSTER BY GAF.
 - TYPE 'D' METAL DRIP EDGE FLASHING REQUIRED ALL SIDES.
 - TRUSSES SHALL BE SPACED @ 24" OC.
 - SEE SEPARATE TRUSS SHEETS FOR TRUSS FRAMING AND MATERIALS.
 - TRUSSES MUST BE BRACED ACCORDING TO THE LATEST EDITION OF THE BUILDING COMPONENT SAFETY INFORMATION "GUIDE TO GOOD PRACTICE OF METAL PLATE CONNECTED WOOD TRUSSES" (BCSI)
 - TRUSS CONNECTION PLATES: EAGLE METAL PLATES.
 - THE TRUSS PLATE INSTITUTE (TPI) (NER QA 430) IS THE INSPECTION AGENCY RESPONSIBLE FOR IN-PLANT INSPECTIONS.
 - TRUSS MANUFACTURER: TUFF SHED, INC.
 - WOOD FRAMING
 - ALL FRAMING MEMBERS SHALL BE **SPF #2 OR BETTER**.
 - STUDS SHALL BE **SPF #2 GRADE OR BETTER** AND SPACED @ 16" OC.
 - FASTEN EXTERIOR WALL SHEATHING TO FRAMING PER NAILING SCHEDULE.
 - PROVIDE SOLID BLOCKING AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.
 - SHEAR WALL MATERIAL SHALL BE AS SPECIFIED IN SHEAR WALL SCHEDULE.
 - SHEAR WALL NAILING SHALL BE AS SPECIFIED IN SHEAR WALL SCHEDULE.
 - SOIL
 - MIN. REQUIRED SOIL TYPE SHALL BE CLAY, SANDY CLAY, SILTY CLAY, OR CLAYEY SILT (CL, ML, MH & CH). ALLOWABLE SOIL BEARING PRESSURE USED IN DESIGN IS 1500 PSF AT 12" DEEP. VALUES ARE PER TABLE 1806.2.
 - IN THE EVENT OF THE DISCOVERY OF EXPANSIVE SOILS, THE SERVICES OF A SOILS ENGINEER MAY BE REQUIRED.
 - ALL FOOTINGS SHALL BE FOUNDED ON UNDISTURBED NATURAL SOIL.
 - IN THE EVENT EXCAVATIONS REVEAL UNFAVORABLE CONDITIONS, THE SERVICES OF A SOILS ENGINEER MAY BE REQUIRED.
 - PERMIT
 - PERMIT APPLICATIONS, WHERE NO PERMIT IS ISSUED, SHALL EXPIRE PER LIMITATIONS SET BY LOCAL CODES. SECTION 105.5.
 - JOB CARD REQUIRED TO BE AVAILABLE FOR SIGNATURE AT JOB SITE
 - GENERAL NOTES
 - GENERAL:
 - ERECTION PROCEDURES SHALL CONFORM TO OSHA STANDARDS.
 - BUILDER SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES, TREES, UTILITIES, ETC.
 - BUILDER IS RESPONSIBLE FOR SAFETY OF BUILDING DURING CONSTRUCTION. PROVIDE ALL SHORING OR BRACING AS REQUIRED AND PER GOVERNING REGULATIONS.
 - ALL WOOD CONSTRUCTION CONNECTORS REFERENCED IN THIS DRAWING SHALL BE SIMPSON 'STRONG-TIE' OR EQUIVALENT.
 - GREEN VINYL SINKER NAILS DO NOT MEET THE NAILING REQUIREMENTS OF COMMON NAILS.
 - MATERIAL EVALUATION REPORT IDENTIFICATION
 - TRUSS CONNECTION PLATES BY EAGLE METAL PER ICC-ES REPORT #ESR-1082 FBC SUPPLEMENT.
 - FLORIDA BUILDING APPROVAL NUMBERS:
 - GARAGE DOOR BY OVERHEAD DOOR CORPORATION PER FLORIDA BUILDING APPROVAL #FL14170.
 - SERVICE DOOR BY JELD-WEN, INC PER FLORIDA BUILDING APPROVAL #FL11136.
 - SHED DOORS BY TUFF SHED, INC. PER FLORIDA BUILDING APPROVAL #FL22202.
 - WINDOWS BY TAFCO CORP - FLORIDA BUILDING APPROVAL #FL20743.
 - ECO-GUARD WINDOWS BY ECO WINDOW SYSTEMS PER FLORIDA BUILDING APPROVAL #FL25670.
 - IMPACT WINDOWS BY SILVER LINE BUILDING PRODUCTS CORP. PER FLORIDA BUILDING APPROVAL #FL14911.5.
 - HDU PRE-DEFLECTED HOLDOWNS BY SIMPSON STRONG-TIE PER FLORIDA BUILDING APPROVAL #FL10441.4.
 - SSTB ANCHORS BY SIMPSON STRONG-TIE PER FLORIDA BUILDING APPROVAL #FL13628.2.
 - H2.5A HURRICANE TIES BY SIMPSON STRONG-TIE PER FLORIDA BUILDING APPROVAL #FL10456.2.
 - SMARTSIDE SIDING BY LP BUILDING PRODUCTS PER FLORIDA BUILDING APPROVAL #FL9190.
 - HARDIEPANEL SIDING BY JAMES HARDIE BUILDING PRODUCTS PER FLORIDA BUILDING APPROVAL #FL13223.2.
 - HARDIEPLANK LAP SIDING BY JAMES HARDIE BUILDING PRODUCTS PER FLORIDA BUILDING APPROVAL #FL13192.2.
 - ASPHALT SHINGLES BY GAF PER FLORIDA BUILDING APPROVAL #FL10124.1.
 - STARTER STRIP SHINGLE BY GAF PER FLORIDA BUILDING APPROVAL #FL10124.1.
 - ROOF UNDERLAYMENT BY GAF PER FLORIDA BUILDING APPROVAL #FL18686.1.
 - TRANSOM WINDOWS BY INNOVATIONS MANUFACTURING, INC. FLORIDA BUILDING APPROVAL #FL17667.1.
 - LAMINATED VENEER LUMBER (LVL) BY WEYERHAEUSER PER FLORIDA BUILDING APPROVAL #FL6527.
 - FLOOD VENTS BY FLOOD SOLUTIONS, LLC (IF REQ'D)- FLORIDA BUILDING APPROVAL #FL17588.



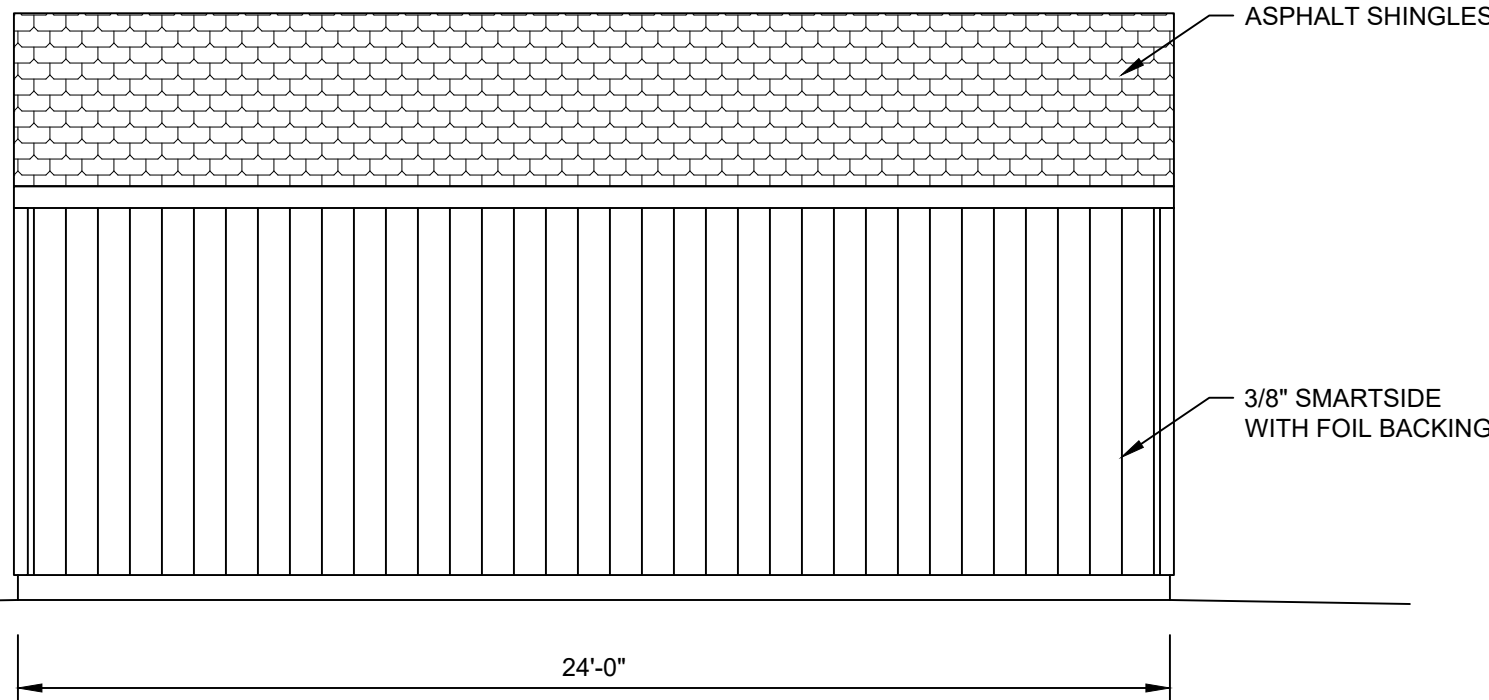
WALL A ELEVATION



WALL B ELEVATION



WALL C ELEVATION



WALL D ELEVATION

7/21/2021

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(303) 753-8833 EXT. 96319

PO No. EP-7028 Inv No. 1685667
Customer: JUNG REALTY
Description:
ACCESSORY BUILDING
20' X 24' = 480 SQ FT
Site Address:
1900 SOUTHEAST HILLMOOR DR.
PORT ST. LUCI, FL 32966

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Drawn By: TB
Date: 6/8/21
Checked By:
Date:
Revised:
Revised:

Title:
PROJECT NOTES

ELEVATIONS
Scale: 1/4" = 1'-0"
Sheet:

S1

NAILING SCHEDULE		SHEAR WALL SCHEDULE		SHEAR WALL SCHEDULE	
CHORD SPLICE NAILING: 8 - 16d NAILS EACH SIDE OF SPLICE. TRUSS BLOCKING: (4) - 16d (TOENAILLED)					
FRAMING NAILING: STUD TO TOP PLATE, 2-16d END NAIL STUD TO SILL PLATE, 2-16d END NAIL OR 4-8d TOENAIL DBL. HEADER 16d @ 16" OC ALONG EACH EDGE HEADER TO KING STUD 4-8d TOENAIL OR 4-16d END NAIL DOUBLE TOP PLATES, 16d @ 16" FACENAIL		2X4 FRAMING. SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 20'-0" LONG TOTAL. (6'+6') = 12' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 3" OC FIELD: 8d COMMON @ 12" OC		2X4 FRAMING. SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 24'-0" LONG TOTAL. (6'+5'+6') = 17' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC	
UNLESS SPECIFIED HEREIN, ALL NAILING SHALL BE PER FBC, 7th EDITION (2020) TABLE 2304.9.1.		PROVIDE 2 MR-88 ANCHORS LOCATED APPROXIMATELY AS SHOWN.		PROVIDE 3 MR-88 ANCHORS LOCATED APPROXIMATELY AS SHOWN. TOENAIL BLOCKING TO TOP PLATE: 3-8d/ BLOCK	
UPLIFT TRANSFER: PROVIDE SIMPSON H2.5A AT EACH END OF TRUSSES. 4 PLATES TOTAL FOR EACH TRUSS.					
PROVIDE 2X4 SOLID BLOCKING ON ALL UNSUPPORTED EDGES OF PLYWOOD ON SHEAR WALLS.					
UNBLOCKED ROOF DIAPHRAGM ROOF SHEATHING NAILING: BORDER: 8d COMMON @ 6" OC EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC		2X4 FRAMING. SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 20'-0" LONG TOTAL. 20' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 4" OC FIELD: 8d COMMON @ 12" OC		2X4 FRAMING. SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 24'-0" LONG TOTAL. 24' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC	
END WALL SHEAR TRANSFER: SHEATHING AT END WALL LAPS TOP PLATE OF WALL BELOW. PROVIDE EDGE NAILING. REFERENCE END WALL ASSEMBLY/S3. OR BALLOON FRAME END WALLS.		PROVIDE 1 MR-88 ANCHORS LOCATED APPROXIMATELY AS SHOWN.		PROVIDE 3 MR-88 ANCHORS LOCATED APPROXIMATELY AS SHOWN. TOENAIL BLOCKING TO TOP PLATE: 3-8d/ BLOCK	
SIDING TESTED TO MEET THE REQUIREMENTS OF SECTION R703.1.1, EXCEPTION 2 OF THE 2018 IRC. REFER TO INTERTEK LETTER REPORT NO. 104417961 MID-001R1.					

WHEN PERFORATED SHEAR WALL DESIGN IS DESIGNATED, AREAS ABOVE AND BELOW OPENINGS ARE USED IN SHEAR CALCULATIONS. REFER TO THE ANSI/AWC SDPWS.

SIMPSON	USP EQUIVALENT
H2.5A	RT7A
SSTB16-SSTB36	STB16-STB36
HDU2-HDU5	PHD2A-PHD5A
HDU8	PHD8
LUS24-LUS210	JUS24-JUS210
LS30/LS50	MP3/MP5
LSTA9-LSTA24	LSTA9-LSTA24
A24	TDL5
H1	RT15
H3	RT3A
H6	LFTA6
H8	LTW12
H10	RT16A
PA51/PA68	TA51/TA71
ABA44/ABA66	PA44E/PA66E
BC4/BC6	C44/C66
A311	TDL10
HST2	KHST2
SDS1/4X3 SCREW	WS3
A34	MP34
A35	MPA1
CS18/CS22	RS200/RS300
HTT4/HTT5	HTT16/HTT22
CMSTC16	CMSTC16

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Storage Buildings & Garages

TUFF SHED, INC.

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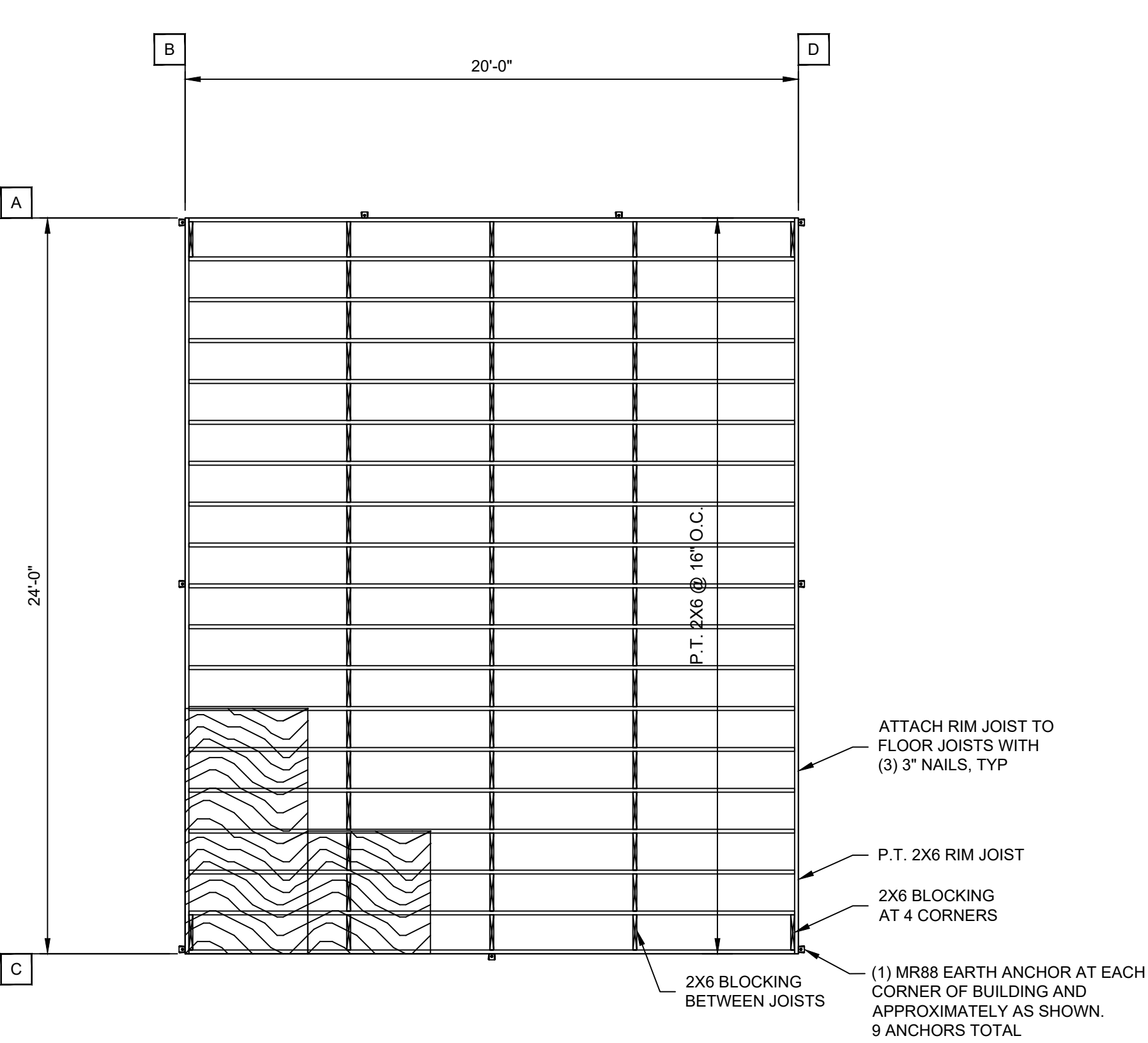


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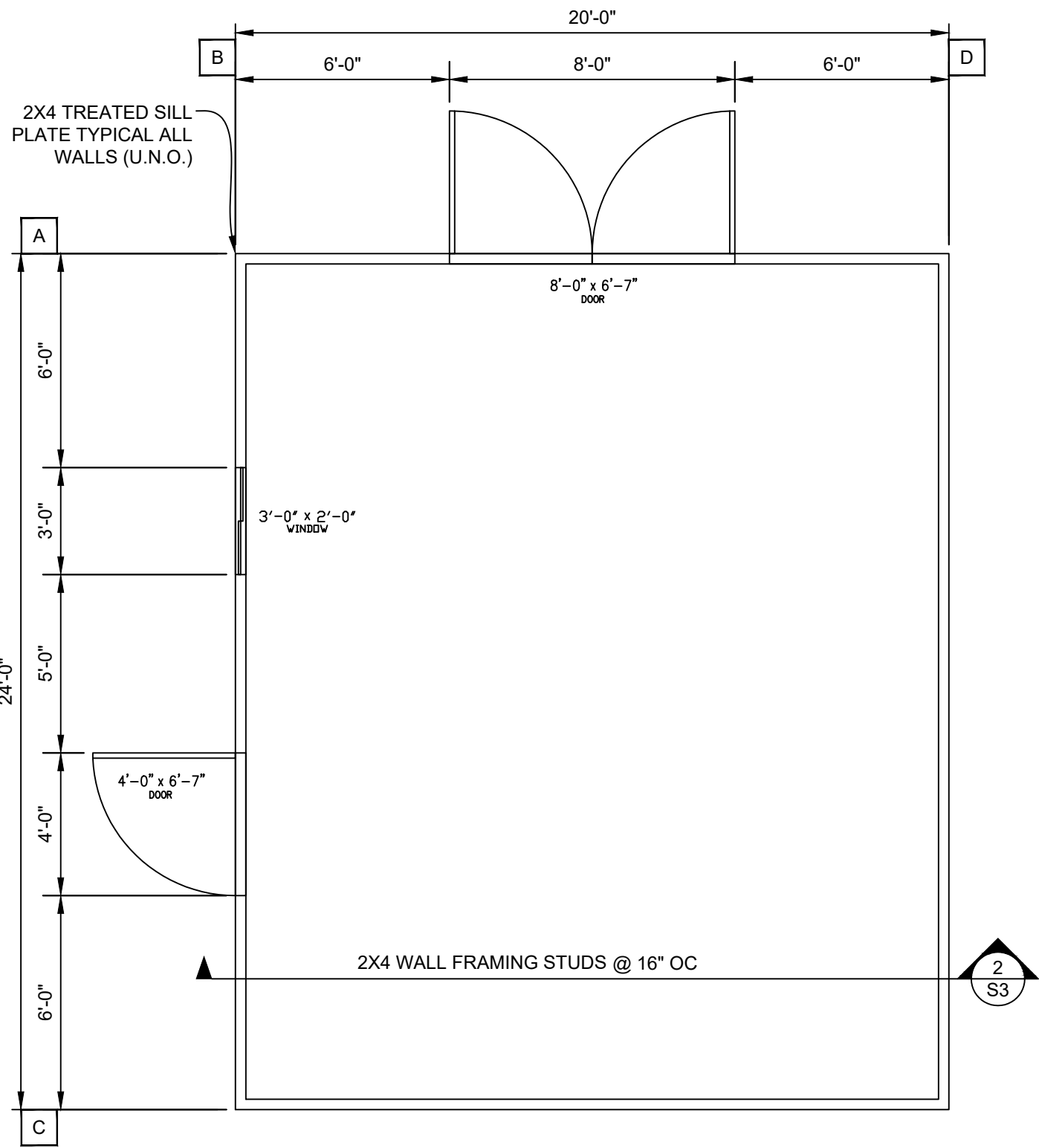
STORE 520

Drawn By: TB
Date: 6/8/21
Checked By:
Date:
Revised:
Revised:
Title:
PLANS
SHEAR WALL SCHED
NAILING SCHEDULE
Scale: 1/4" = 1'-0"
Sheet:

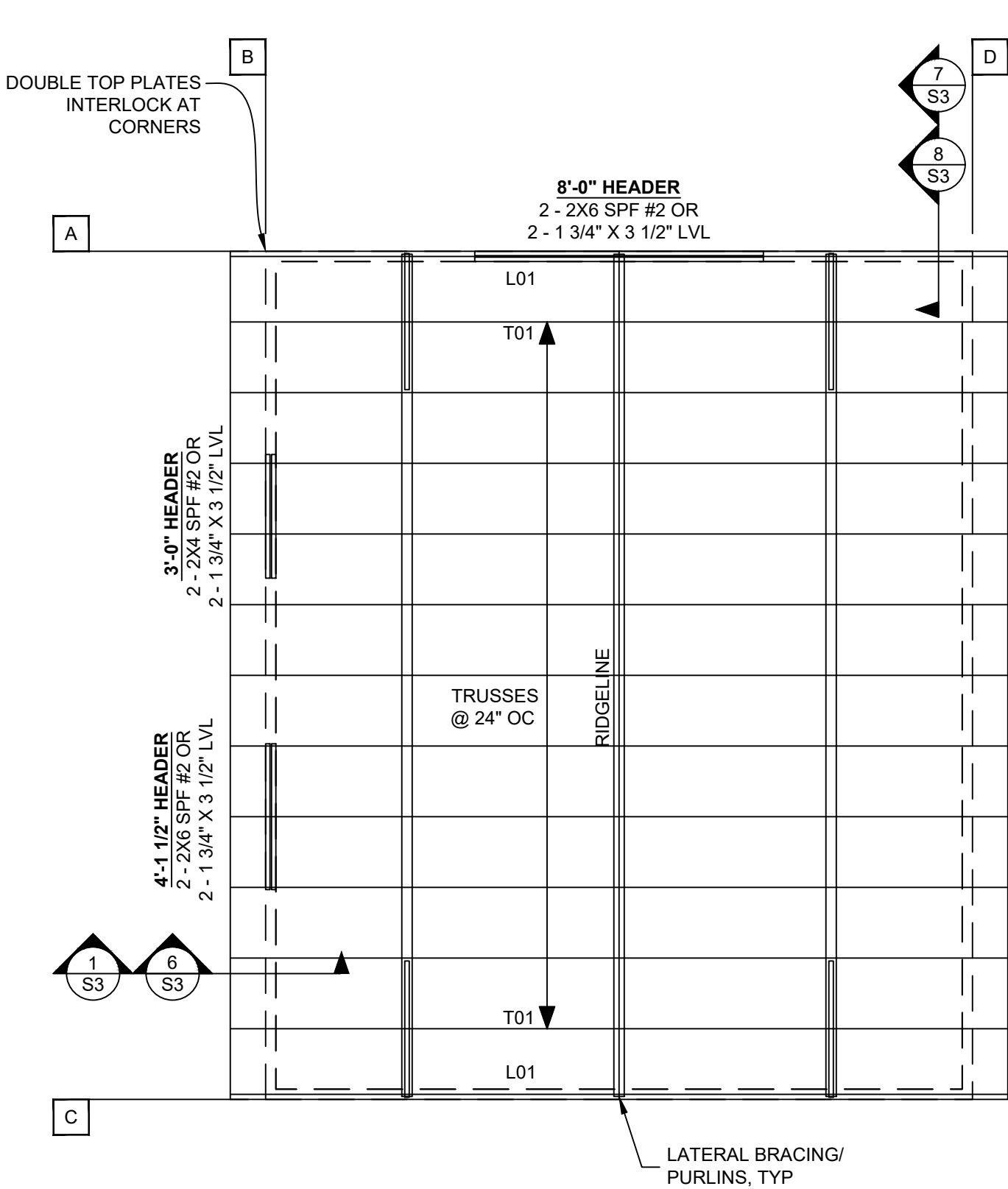
S2



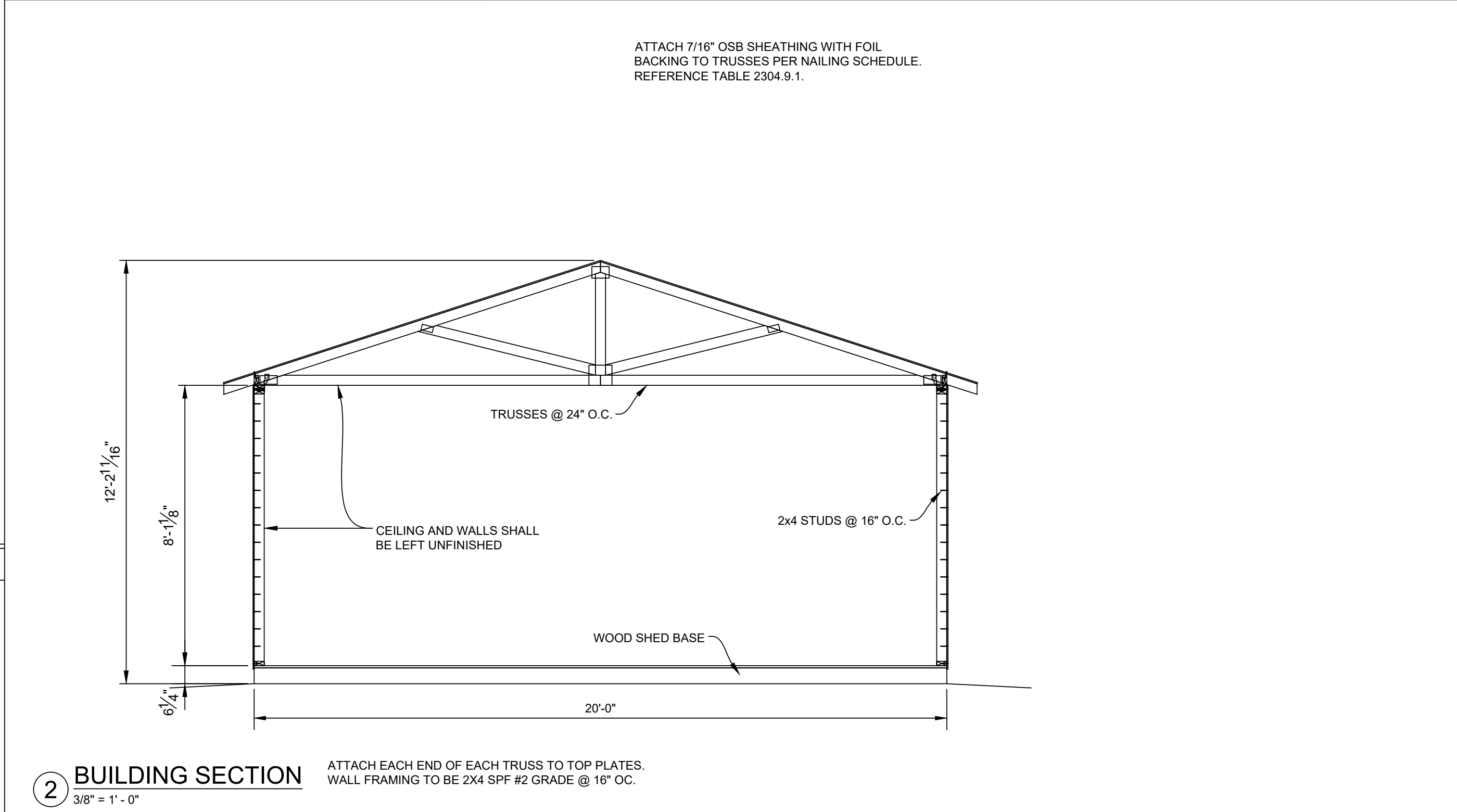
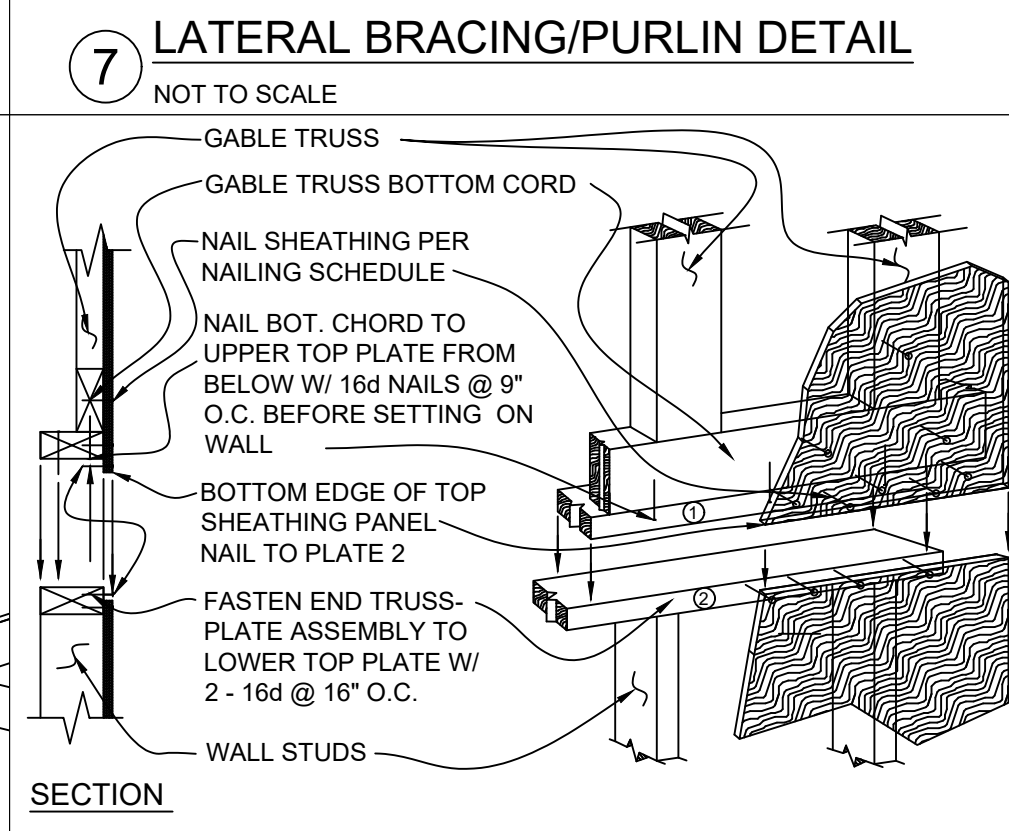
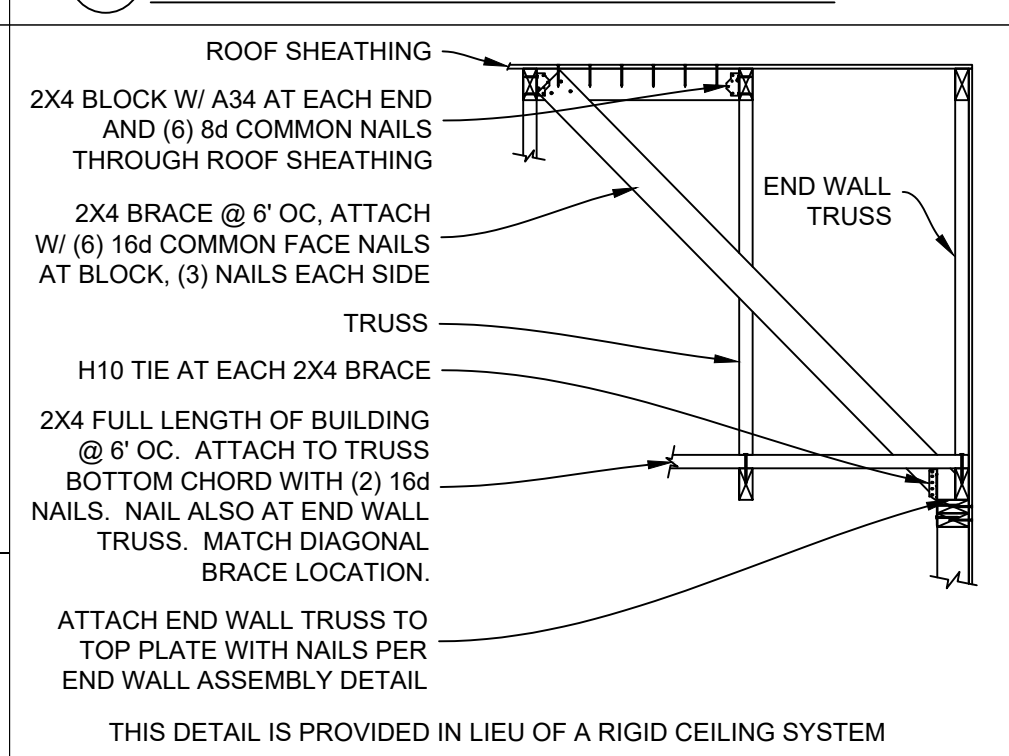
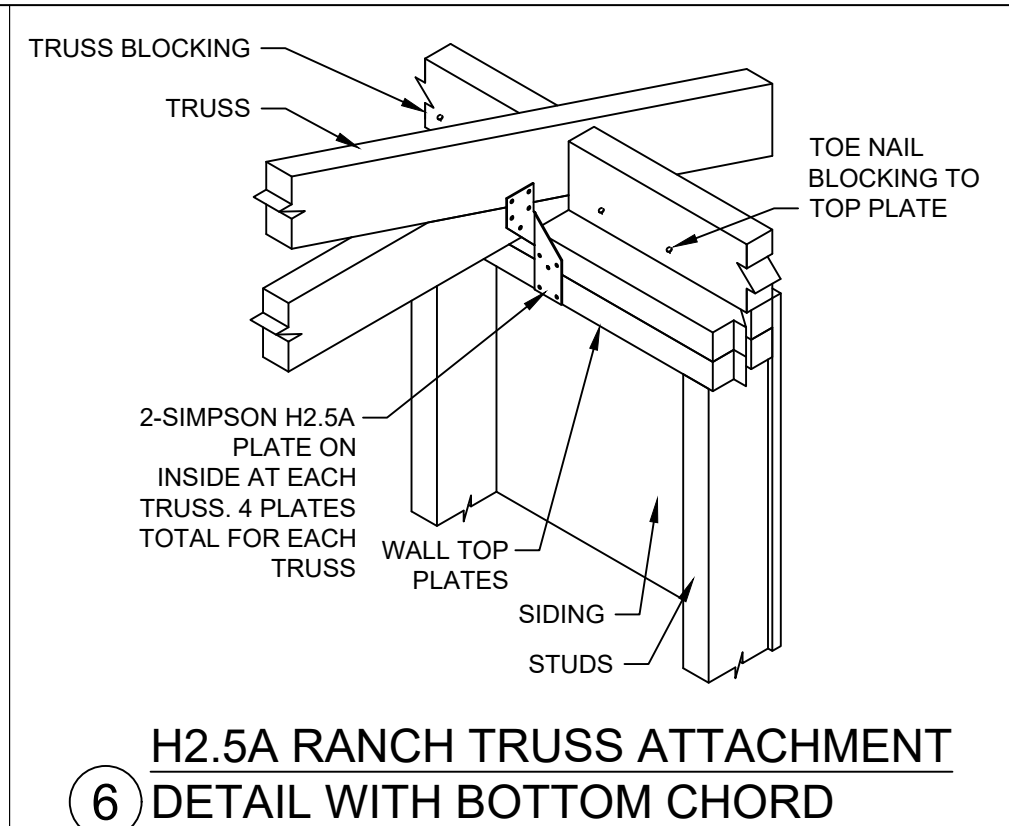
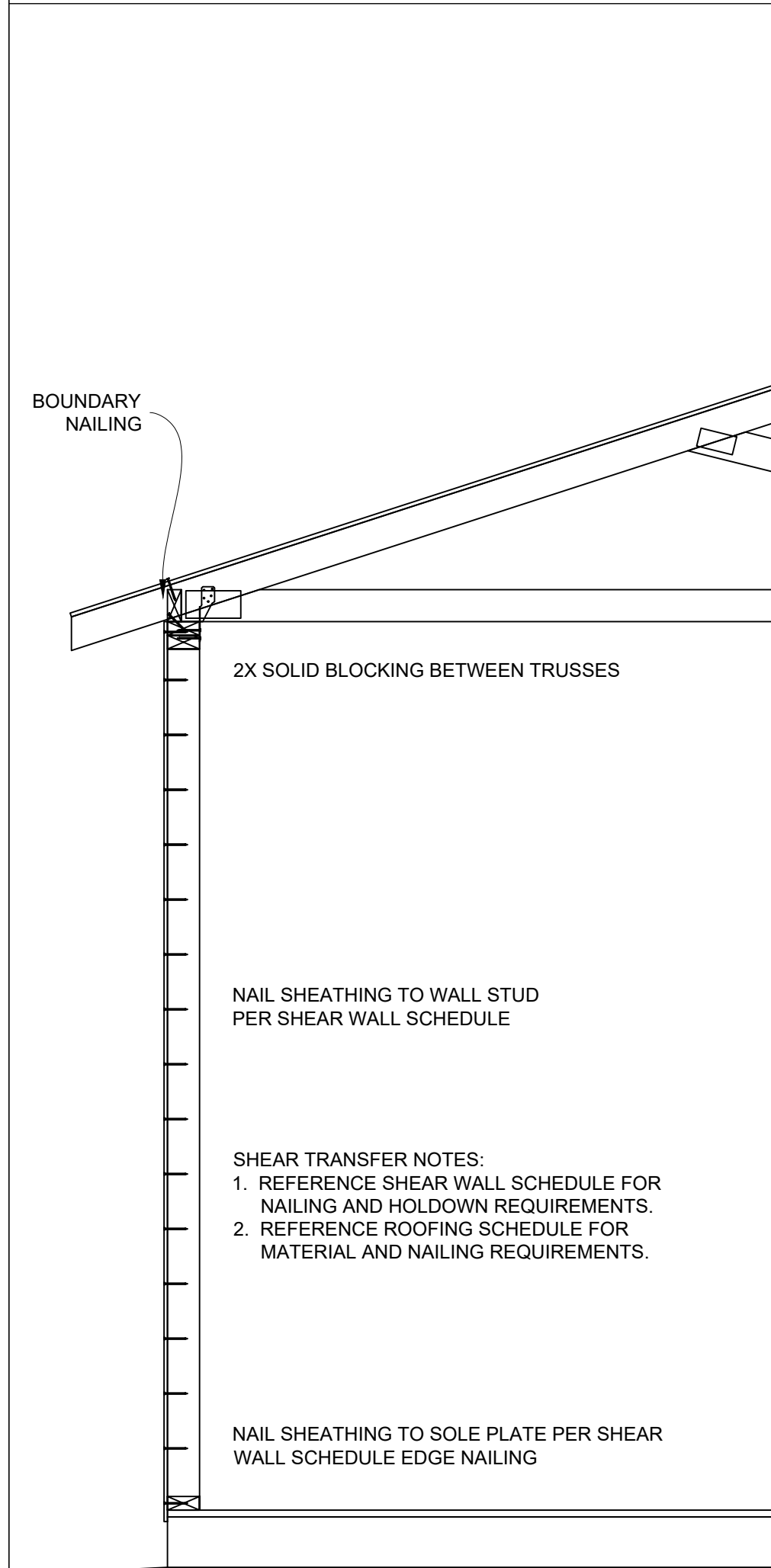
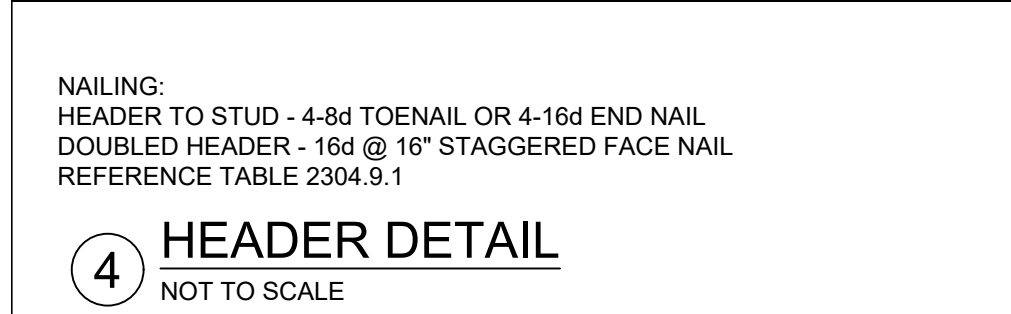
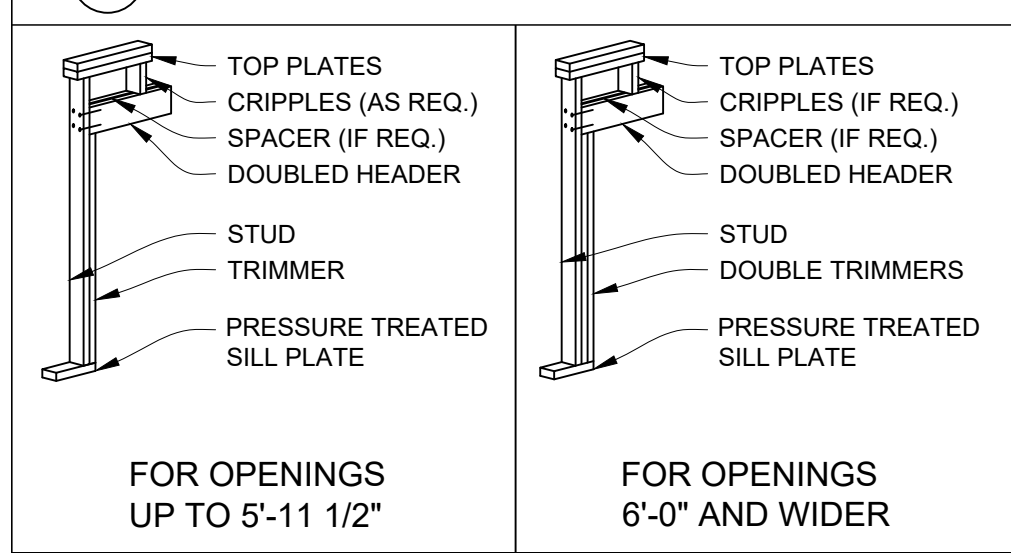
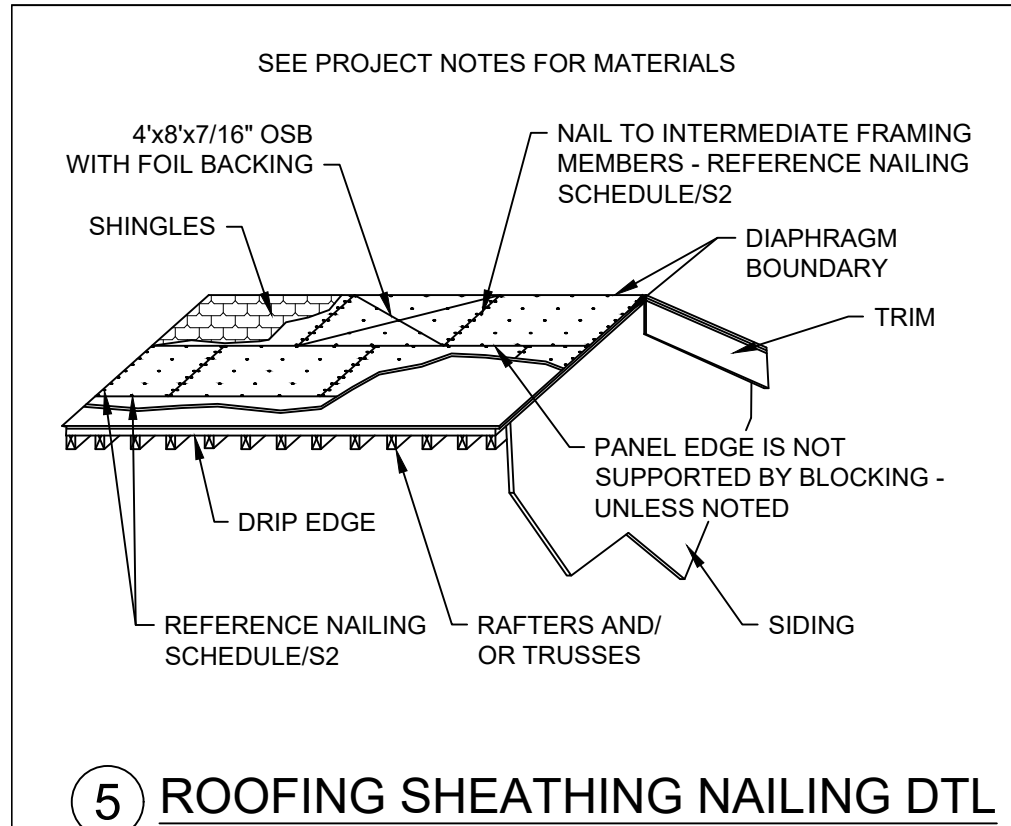
FOUNDATION PLAN



FLOOR PLAN



ROOF FRAMING PLAN



1. MANTA RAY SPECIFICATIONS:
MR-88 HAND PAVEMENT BREAKER OR VIBRATION DRIVEN SOIL ANCHOR PART #S20355.
WIDTH = 1.75"
LENGTH = 6.25"
BEARING AREA = 10 SQ IN
WEIGHT = 2.2 LBS
ANCHOR RODS ARE 1/2"-13 GALVANIZED THREADED ROD.
INSTALLATION DEPTH = 3.0 FT
YIELD STRENGTH = 7.5 KIPS
ULTIMATE STRENGTH = 10 KIPS, 10000 LBS
WORKING LOAD: UP TO 6.75 KIPS
NOTE: USE PDSMR88 DRIVE STEEL.
HOLDING CAPACITY = 3-4 KIPS (3000-4000 LBS) AT 2.1M (7FT.)
(PULL OUT AT RECOMMENDED INSTALLED DEPTH = 1500LBS.)
DEPTH IN MEDIUM DENSE SANDY GRAVEL OR VERY STIFF TO HARD SILTS AND CLAYS WITH BLOW COUNT (N) = 24-40.

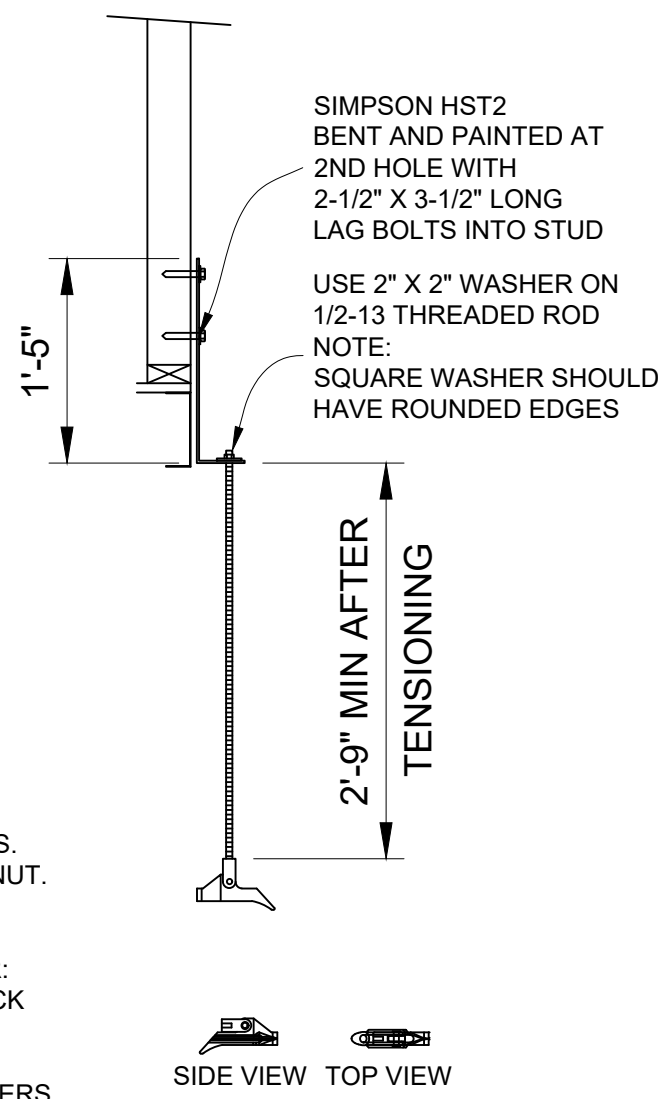
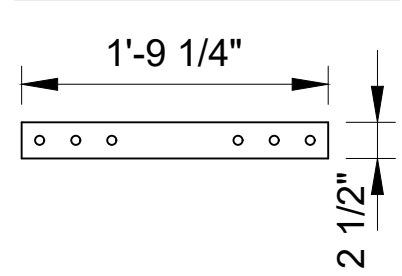
2. MANTA RAY MR88-RA1 ASSEMBLY INCLUDES:
ANCHOR WITH 3 FT (MIN. 2.5 FT IN GROUND) OF STEEL THREADED ANCHOR ROD SPREADER PLATE AND NUT.
ALL COMPONENT SHALL BE COATED FOR CORROSION RESISTANCE.

3. SUGGESTED SUPPLIER:
FORESIGHT PRODUCTS, LLC
6430 EAST 49TH DRIVE
COMMERCE CITY, CO 80022 USA
PHONE: 303 286-8955, FAX: 303 287-3866
WWW.EARTHANCHOR.COM

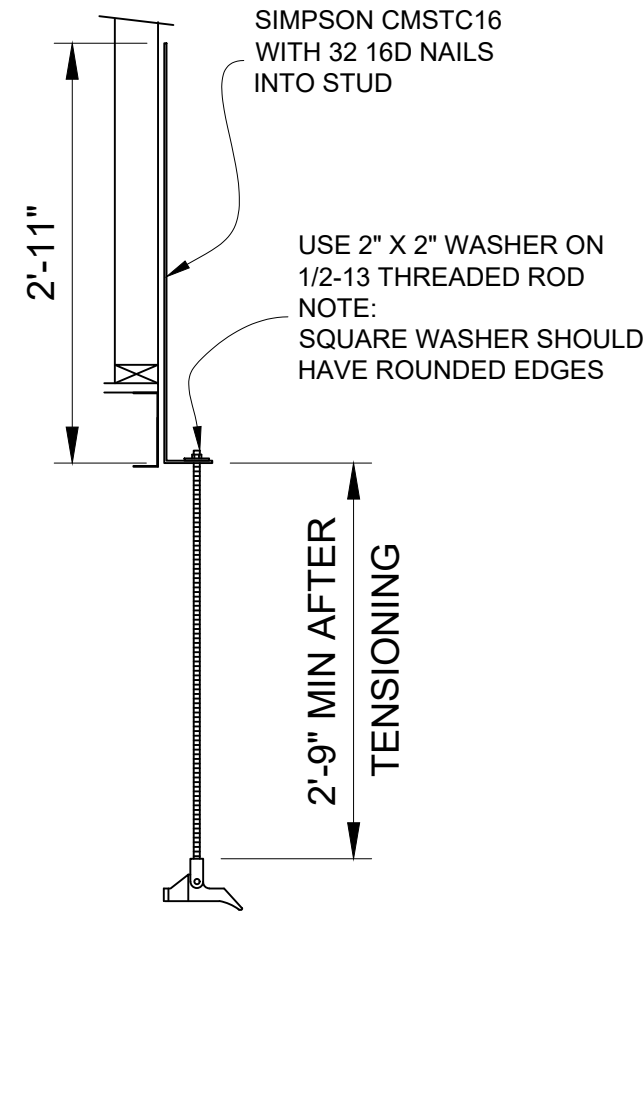
4. BASIC INSTALLATION PROCEDURE:
A. PILOT HOLE DIAMETER: 50-76MM (2-3 IN.). ONLY REQUIRED IN VERY HARD SOILS.
B. USING PDS8818 DRIVE STEEL, AT LOCATIONS INDICATED, INSTALL MR-88 ANCHOR UNTIL TOP OF ANCHOR ROD IS 1" ABOVE GRADE.
C. USE DRILL WITH LS16-15 LOCKING SOCKET TO TURN NUT UNTIL ANCHOR ROD HAS BEEN DRAWN BACK 3-4" OR A TORQUE OF 5 FT-LBS (60 INCH-LBS) IS ACHIEVED. THIS RESULTS IN A CLAMPING LOAD OF APPROXIMATELY 500LBS.
D. CUT OFF ANY EXCESS ANCHOR ROD FLUSH WITH TOP OF NUT.

5. REQUIRED INSTALLATION TOOLS:
A. COMMONLY AVAILABLE TOOLS SUPPLIED BY CONTRACTOR:
50 LB ELECTRIC PAVEMENT BREAKER WITH 1-1/8" X 6" CHUCK
1/2" ELECTRIC DRILL
GENERATOR FOR BREAKER AND DRILL
SAWS/BLADE WITH METAL CUTTING BLADE, OR 1/2" BOLT CUTTERS
B. SPECIFIC TOOLS AVAILABLE FROM FORESIGHT PRODUCTS:
PDS8818 DRIVE STEEL FOR MR88 ANCHOR (FORESIGHT #50220)
LS16-15 LOCKING SOCKET (FORESIGHT #50202)

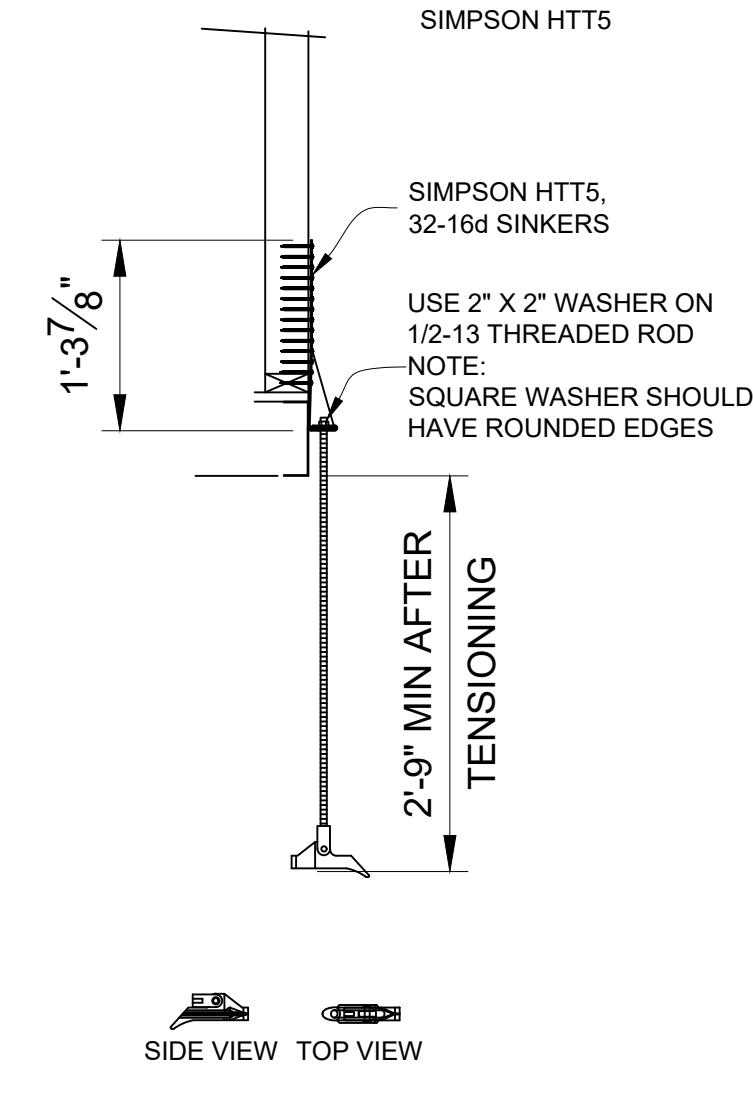
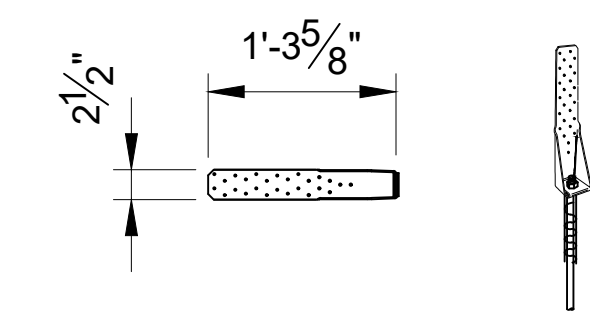
SIMPSON HST2



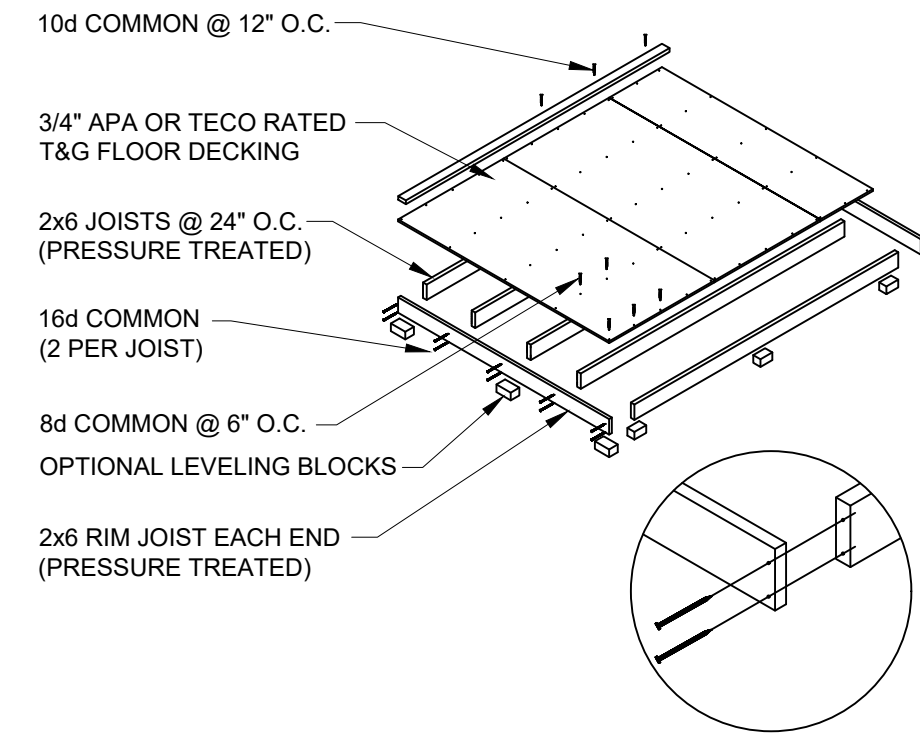
SIMPSON CMSTC16



SIMPSON HTT5



9 MR88 ANCHOR DETAILS



1. WOOD SHED FOUNDATION:
2x6 #2 PRESSURE TREATED HEM FIR RIM JOISTS
2x6 #2 PRESSURE TREATED HEM FIR JOISTS @ 24" O.C.
2. 3/4" APA OR TECO RATED TONGUE AND GROOVE FLOOR DECKING.
24" MAX PANEL SPAN. NO BLOCKING REQUIRED.
ALL EDGES SHALL LIE ON FLOOR JOISTS.
STAGGER PANEL LAYOUT PER APA CONDITION 1.
NAIL PLYWOOD TO JOISTS AND RIM JOISTS:
BORDER: 8d COMMON SPACED @ 6" O.C.
EDGE: 8d COMMON SPACED @ 6" O.C.
FIELD: 8d COMMON SPACED @ 12" O.C.
4. FASTEN SOLE PLATE THROUGH FLOOR DECKING INTO JOISTS OR RIM JOISTS WITH 10d COMMON SPACED @ 12" O.C.
5. ALLOWABLE FLOOR LIVE LOAD: 40 PSF
6. USE OPTIONAL CONCRETE BLOCKS AS REQUIRED TO LEVEL BUILDING:
SUGGESTED SIZES: 2' x 8' x 16", 4' x 8' x 16", OR 8' x 8' x 16".
BLOCKS UNDER JOISTS SPACED @ 8'-0" O.C. MAXIMUM.
BLOCKS UNDER RIM JOISTS SPACED @ 4'-0" O.C. MAXIMUM.

3 WOOD SHED BASE ASSEMBLY

NOT TO SCALE

7/21/2021

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Drawn By: TB
Date: 6/8/21
Checked By:
Date:
Revised:
Revised:

Title:
-
SECTIONS
DETAILS
-
-
Scale: NONE
Sheet:

S3
Sheet 3 of 3