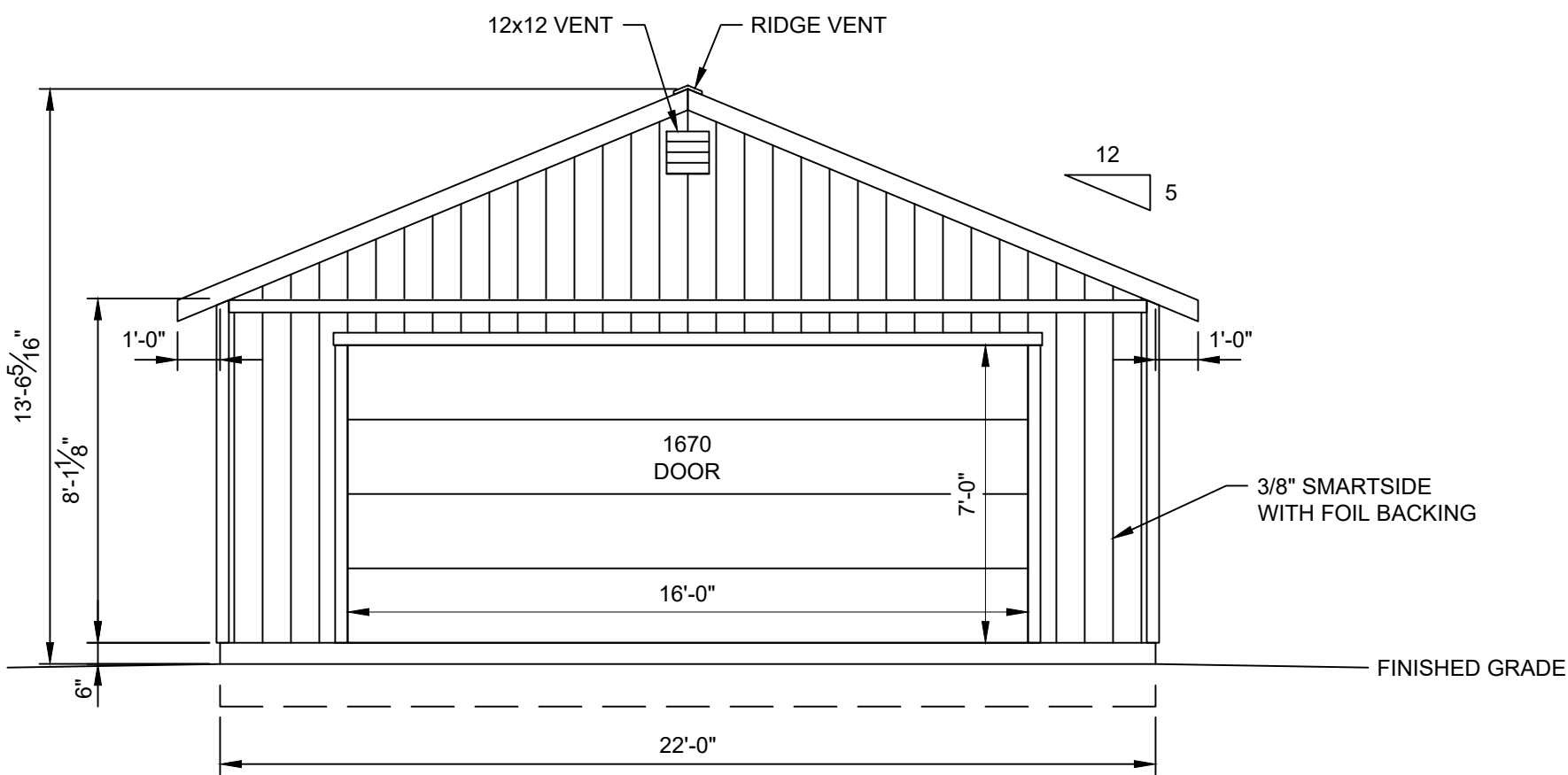


ACCESSORY BUILDING  
22' X 22' = 484 SQ FT

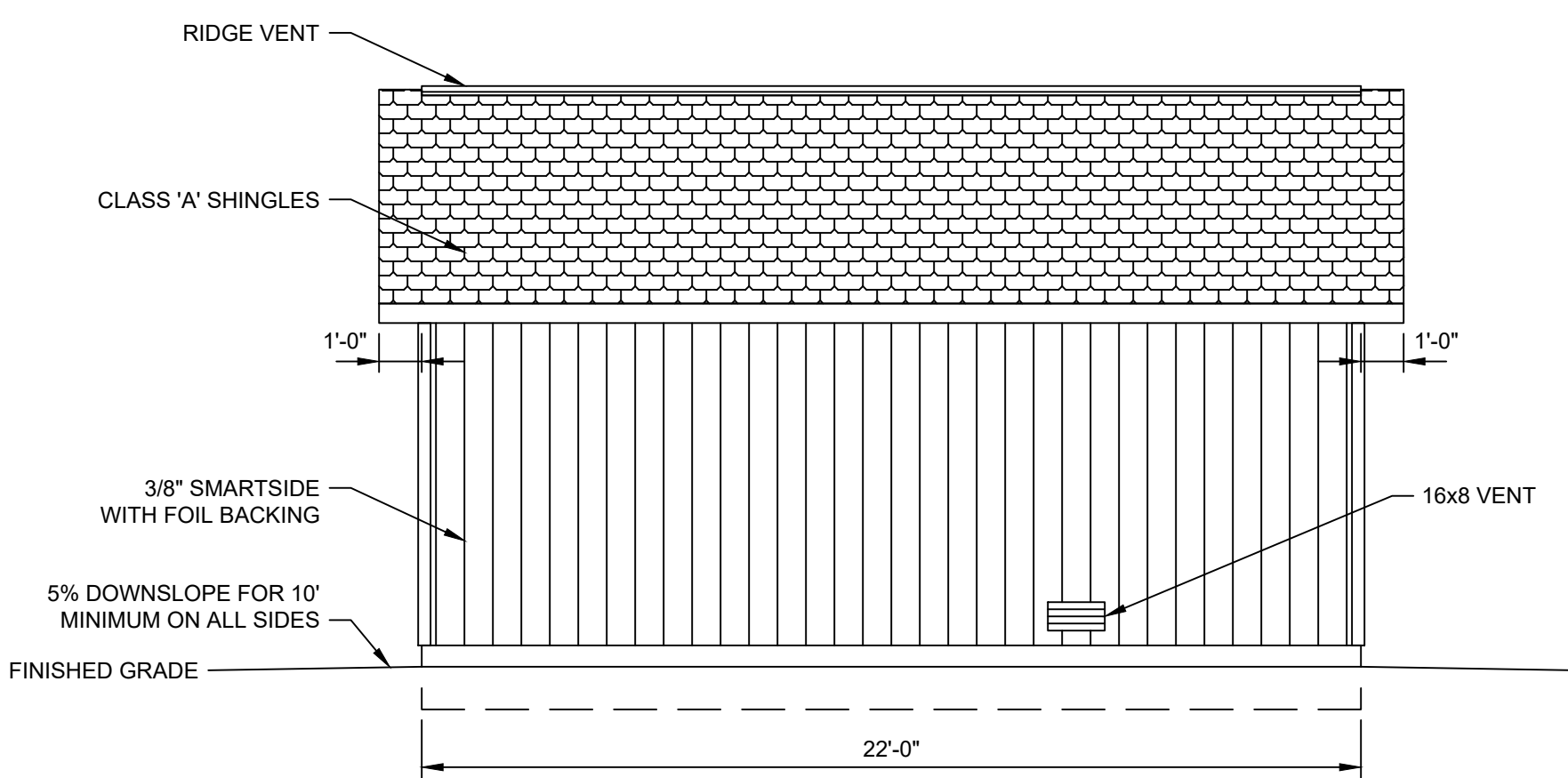
DRAWING INDEX  
S1 - PROJECT NOTES, ELEVATIONS  
S2 - PLANS, SHEAR WALL SCHEDULE  
S3 - SECTIONS, DETAILS

PROJECT NOTES

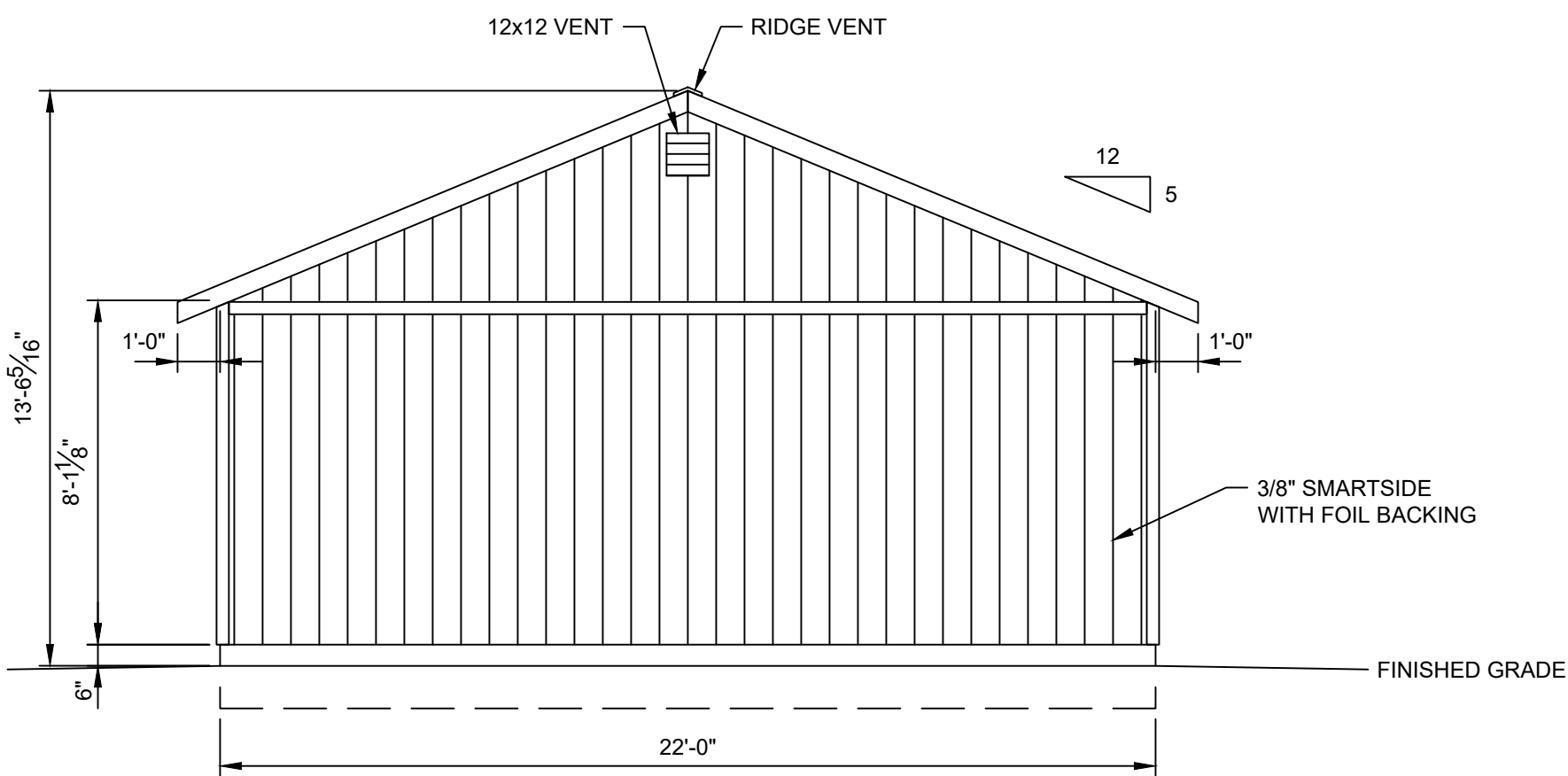
- DESIGN REQUIREMENTS  
GOVERNING CODES: 2021 IRC  
OCCUPANCY GROUP: GROUP U  
CONSTRUCTION TYPE: V-B  
RISK CATEGORY: II
- DESIGN SCHEDULE  
A. BUILDING SIZE  
WIDTH: 22'-0"  
LENGTH: 22'-0"  
SIDE WALL HEIGHT: 8'-1 1/8"  
TOTAL HEIGHT: 13'-6 1/4"  
B. ROOF PITCH: 5/12  
C. BUILDING LOADS  
GROUND SNOW LOAD,  $P_g$ : 5 PSF  
 $C_e$ : 1.00  
 $C_i$ : 1.20  
 $I_e$ : 1.00  
 $C_s$ : 1.00  
ROOF SNOW LOAD,  $P_s$ : 4 PSF  
ROOF LIVE LOAD: 20 PSF  
ROOF DEAD LOAD: 10 PSF  
ATTIC LIVE LOAD: 30 PSF  
ATTIC DEAD LOAD: 10 PSF  
D. DESIGN WIND  
BASIC WIND SPEED,  $V$ : 118 MPH  
WIND EXPOSURE: C  
E. SEISMIC DESIGN CATEGORY: A  
F. SITE CLASS: D
- ROOFING SCHEDULE  
A. ROOF SHEATHING SHALL BE APA RATED 7/16" THICK OSB WITH FOIL BACKING, 24/16 RATED MIN., UNBLOCKED DIAPHRAGM. STAGGER LAYOUT PER APA CONDITION 1.  
B. SHEATHING NAILING SHALL BE PER NAILING SCHEDULE.  
C. LIFETIME DIMENSIONAL ASPHALT SHINGLES (U.N.O.).  
D. GAF FELTBUSTER.  
E. TYPE 'D' METAL DRIP EDGE FLASHING REQUIRED ALL SIDES.  
F. TRUSSES SHALL BE SPACED @ 24" O.C.  
G. SEE SEPARATE TRUSS SHEETS FOR TRUSS FRAMING AND MATERIALS.  
H. 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)  
I. TRUSS CONNECTION PLATES 'EAGLE METAL PLATES'.  
J. THE TRUSS PLATE INSTITUTE (TPI) (NER QA 430) IS THE INSPECTION AGENCY RESPONSIBLE FOR IN-PLANT INSPECTIONS.  
K. TRUSS MANUFACTURER: TUFF SHED, INC.
- WOOD FRAMING  
A. ALL HEADERS ARE HF #2 (U.N.O.).  
B. ALL WALL FRAMING MEMBERS SHALL BE HF STUD GRADE OR BETTER.  
C. STUDS SHALL BE SPACED @ 16" O.C.  
D. FASTEN EXTERIOR WALL SHEATHING TO FRAMING PER NAILING SCHEDULE.  
E. PROVIDE SOLID BLOCKING AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.  
F. SHEAR WALL MATERIAL AND NAILING SHALL BE AS SPECIFIED IN SHEAR WALL SCHEDULE.  
G. LAMINATED VENEER LUMBER (LVL) SHALL BE LVL 2.0E-2600  $F_b$  WITH THE FOLLOWING MIN. DESIGN VALUES:  $F_b$  = 2600 PSI,  $F_v$  = 1555 PSI,  $F_r$  = 285 PSI,  $F_{ci}$  = 2510 PSI,  $F_{cL}$  = 750 PSI,  $E$  =  $2.0 \times 10^6$  PSI, SG= 0.50
- SOIL  
A. MIN. REQUIRED SOIL TYPE SHALL BE CLAY, SANDY CLAY, SILTY CLAY, OR CLAYEY SILT (CL, ML, MH & CH). PRESCRIPTIVE ALLOWABLE SOIL BEARING PRESSURE USED IN DESIGN IS 1500 PSF AT 12" DEEP. VALUES ARE PER TABLE R401.4.1.  
B. ALL FOOTINGS SHALL BE FOUNDED ON UNDISTURBED NATURAL SOIL.  
C. IN THE EVENT OF THE DISCOVERY OF EXPANSIVE SOILS OR UNFAVORABLE CONDITIONS, THE SERVICES OF A SOILS ENGINEER MAY BE REQUIRED.
- PERMIT  
A. PERMIT APPLICATIONS, WHERE NO PERMIT IS ISSUED, SHALL EXPIRE PER LIMITATIONS SET BY LOCAL CODES. SECTION R105.  
B. JOB CARD REQUIRED TO BE AVAILABLE FOR SIGNATURE AT JOB SITE
- GENERAL NOTES  
A. INSTALLATION PROCEDURES SHALL CONFORM TO OSHA STANDARDS. BUILDER SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES, TREES, UTILITIES, ETC.  
B. BUILDER IS RESPONSIBLE FOR SAFETY OF BUILDING DURING CONSTRUCTION. PROVIDE ALL SHORING OR BRACING AS REQUIRED AND PER GOVERNING REGULATIONS.  
C. ALL WOOD CONSTRUCTION CONNECTORS REFERENCED IN THIS DRAWING SHALL BE SIMPSON 'STRONG-TIE' OR EQUIVALENT INSTALLED PER MANUFACTURER'S SPECIFICATIONS.  
D. GREEN VINYL SINKER NAILS DO NOT MEET THE NAILING REQUIREMENTS OF COMMON NAILS.
- MATERIAL EVALUATION REPORT IDENTIFICATION  
A. TRUSS CONNECTION PLATES BY EAGLE METAL PLATES PER ICC-ES REPORT #ESR-1082.  
B. SMARTSIDE SIDING BY LP CORPORATION PER ICC-ES REPORT #ESR-1301.  
C. HARDIE PANEL SIDING BY JAMES HARDIE BUILDING PRODUCTS PER ICC-ES REPORT #ESR-1844.  
D. HARDIE PLANK LAP SIDING BY JAMES HARDIE BUILDING PRODUCTS PER ICC-ES REPORT #ESR-2290.  
E. LAMINATED VENEER LUMBER (LVL) BY WEYERHAEUSER PER ICC-ES REPORT #ESR-1387.  
F. ASPHALT SHINGLES BY GAF PER ICC-ES REPORT #ESR-1475.  
G. FELTBUSTER ROOFING UNDERLAYMENT BY GAF PER ICC-ES REPORT #ESR-2808.  
H. HDU PRE-DEFLECTED HOLD-DOWNS BY SIMPSON STRONG-TIE PER ICC-ES REPORT #ESR-2330.  
I. SSTB ANCHOR BOLTS BY SIMPSON STRONG-TIE PER ICC-ES REPORT #ESR-2611.



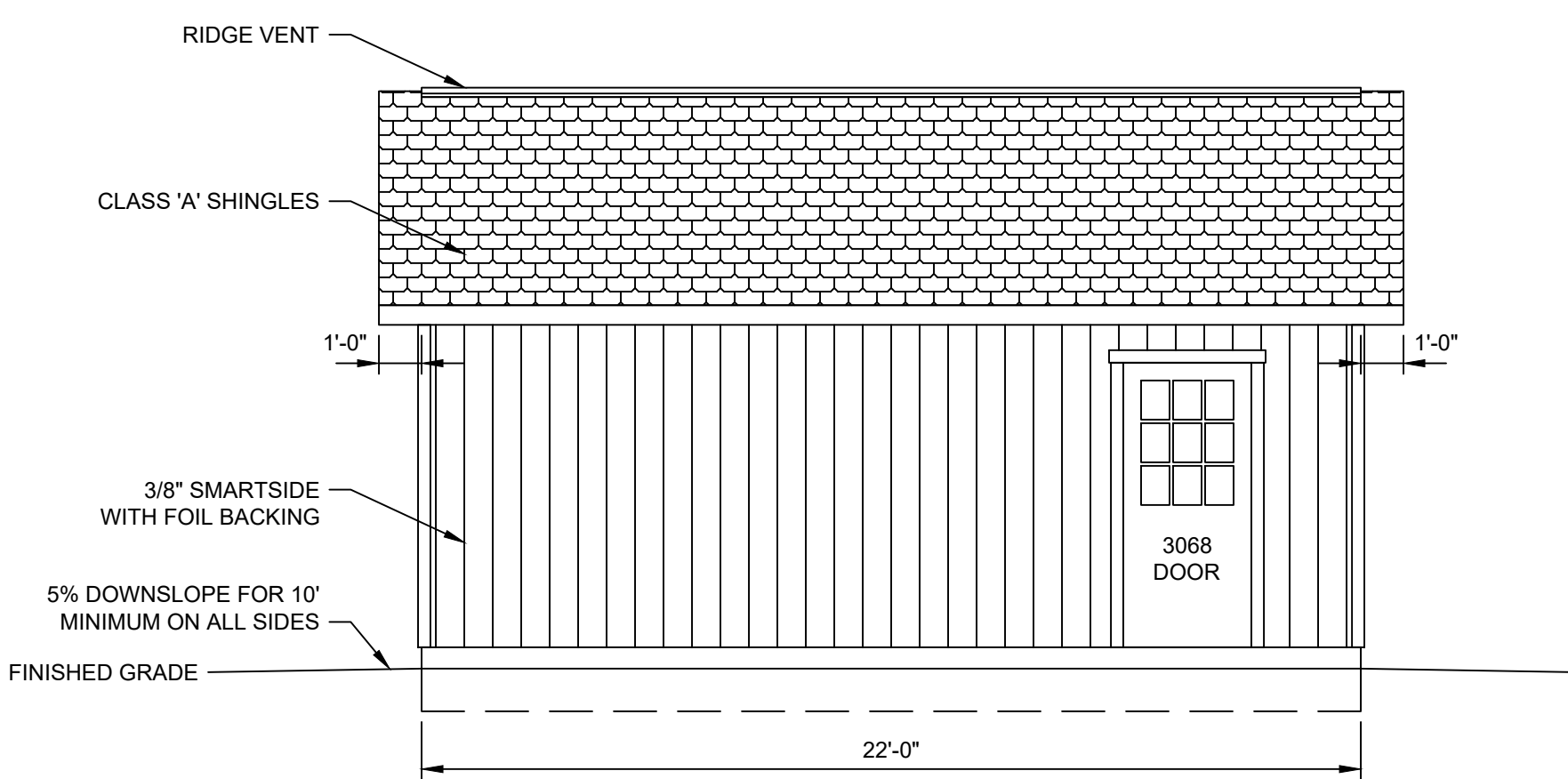
WALL A ELEVATION



WALL B ELEVATION



WALL C ELEVATION



WALL D ELEVATION

6/26/2025

TUFF SHED, INC.  
ENGINEERING DEPARTMENT  
TIMOTHY D. CAHALAN, P.E.  
TCAHALAN@TUFFSHED.COM  
1777 S. HARRISON STREET  
DENVER, COLORADO 80210  
(303) 753-8833

SO # 2184766 EP # 25208  
Customer: DAVID AND LETICIA  
TENEMENT  
Description:  
ACCESSORY BUILDING  
22 X 22' = 484 SQ FT  
Site Address:  
407 DONALDSON AVENUE  
SAN ANTONIO, TX 78201

THESE DRAWINGS AND THE  
DESIGN ARE THE PROPERTY OF  
TUFF SHED, INC. THESE  
DRAWINGS ARE FOR A  
BUILDING TO BE SUPPLIED AND  
BUILT BY TUFF SHED ONLY.  
ANY OTHER USE IS FORBIDDEN  
BY TUFF SHED INC AND THE  
ENGINEER OF RECORD.

**TUFF SHED**  
Storage Buildings & Garages  
TUFF SHED, INC.  
6012 ZANGS DRIVE  
SAN ANTONIO, TX 78238  
(210) 688-8633  
COPYRIGHT © 2019 TUFF SHED, INC.  
PROPRIETARY. ALL RIGHTS RESERVED.

Drawn By: TB  
Date: 6/6/25  
Checked By:  
Date:  
Revised:  
Revised:

Title:  
PROJECT NOTES  
ELEVATIONS

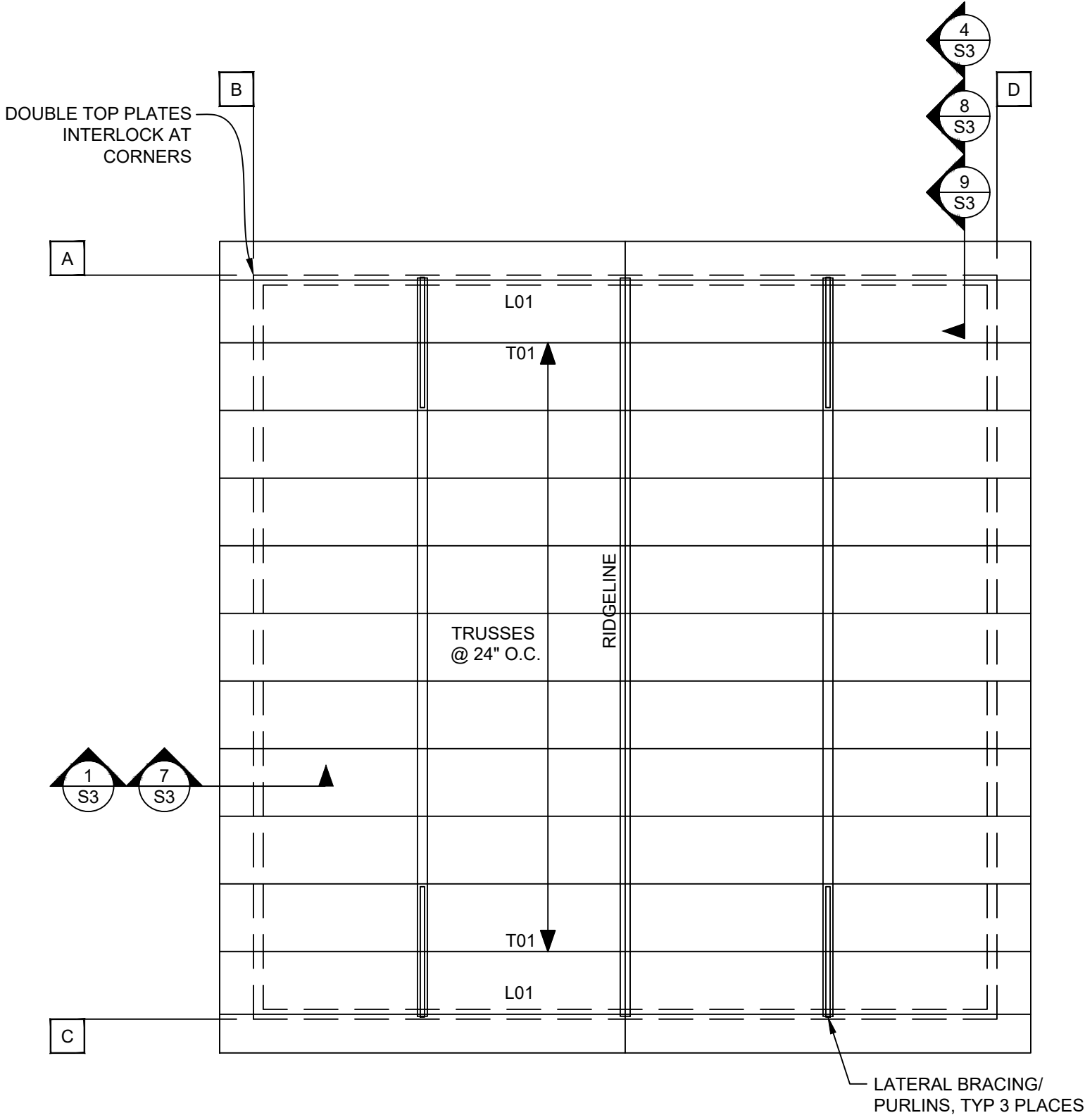
Scale: 1/4" = 1'-0"  
Sheet:

S1

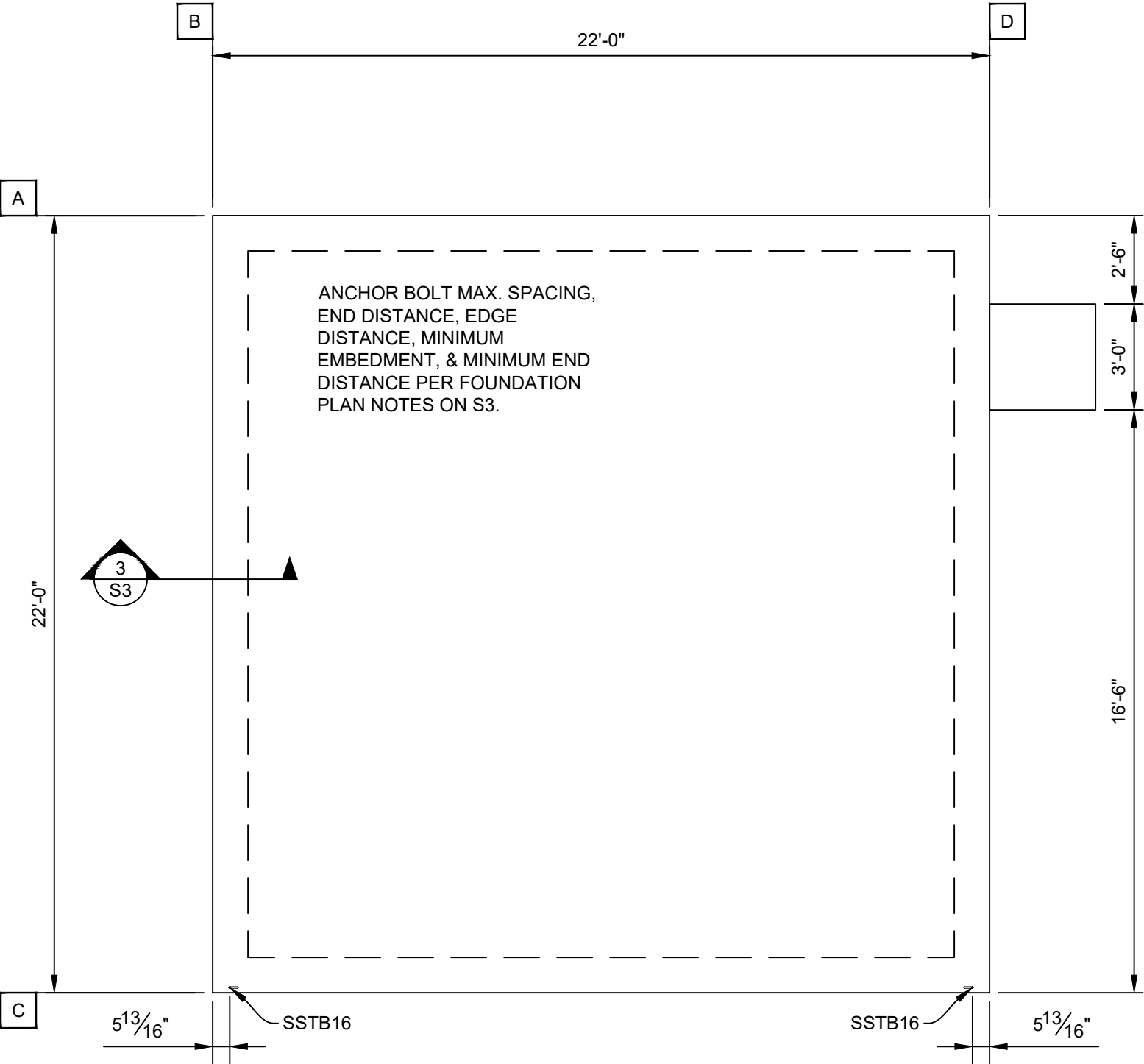
Sheet 1 of 3

NAILING SCHEDULE	SHEAR WALL SCHEDULE	CALC. SHEAR LOAD (lb/ft)	ALLOW. SHEAR LOAD (lb/ft)	SHEAR WALL SCHEDULE	CALC. SHEAR LOAD (lb/ft)	ALLOW. SHEAR LOAD (lb/ft)
CHORD SPLICE NAILING: (8) 16d NAILS EACH SIDE OF SPLICE. TRUSS BLOCKING: (4) 16d (TOENAIL)	A2X4 FRAMING. SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 22'-0" LONG TOTAL. 0' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC  NO HOLD-DOWNS REQUIRED.	-	-	B2X4 FRAMING. SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 22'-0" LONG TOTAL. 22' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC  NO HOLD-DOWNS REQUIRED.	53	148
FRAMING NAILING: STUD TO TOP PLATE, (2) 16d END NAIL STUD TO SILL PLATE, (2) 16d END NAIL OR (4) 8d TOENAIL DOUBLE HEADER 16d @ 16" OC ALONG EACH EDGE HEADER TO KING STUD (4) 8d TOENAIL OR (4) 16d END NAIL DOUBLE TOP PLATES, 16d @ 16" FACE NAIL				TOENAIL BLOCKING TO TOP PLATE: (3) 8d/BLOCK	150	
UNLESS SPECIFIED HEREIN, ALL NAILING SHALL BE PER 2021 IRC TABLE R602.3(1).						
UPLIFT TRANSFER: PROVIDE SIMPSON H2.5A AT EACH END OF TRUSSES.	C2X4 FRAMING. SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 22'-0" LONG TOTAL. 22' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC  PROVIDE SIMPSON HDU2 HOLD-DOWNS ATTACHED TO END STUDS AND SSTB16 ANCHOR BOLTS.	128	148	D2X4 FRAMING. SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 22'-0" LONG TOTAL. 16.5' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC  NO HOLD-DOWNS REQUIRED.	71	148
PROVIDE 2X4 SOLID BLOCKING ON ALL UNSUPPORTED EDGES OF PLYWOOD ON SHEAR WALLS.				TOENAIL BLOCKING TO TOP PLATE: (3) 8d/BLOCK	150	
UNBLOCKED ROOF DIAPHRAGM ROOF SHEATHING NAILING: BORDER: 8d COMMON @ 6" OC 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 <b>END WALL ASSEMBLY</b> /S3, OR BALLOON FRAME END WALLS.						
SIDING TESTED TO MEET THE REQUIREMENTS OF SECTION R703.1.1, EXCEPTION 2 OF THE 2021 IRC. REFER TO INTERTEK LETTER REPORT NO. 104417961MID-001R1.						

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

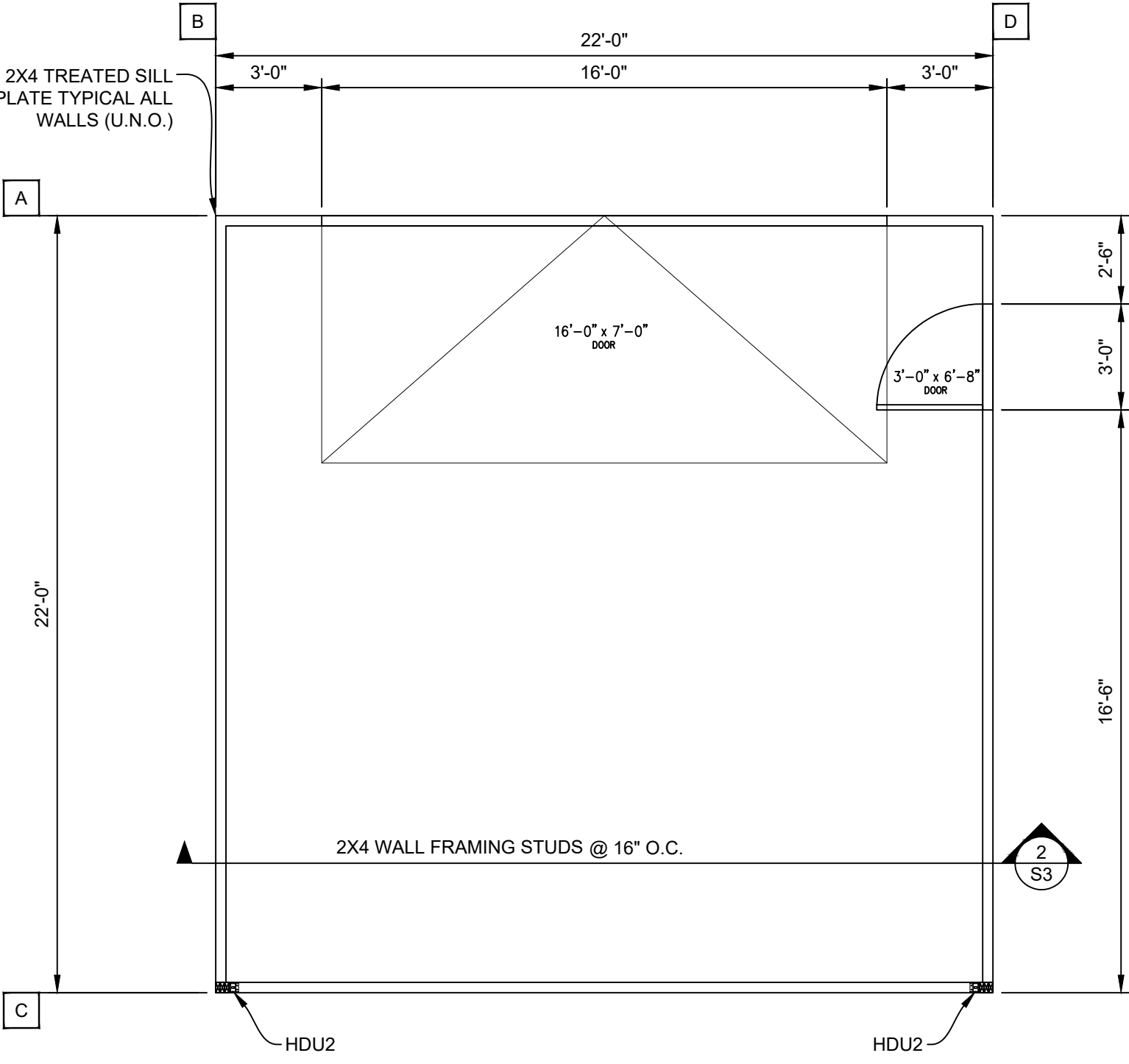


ROOF FRAMING PLAN



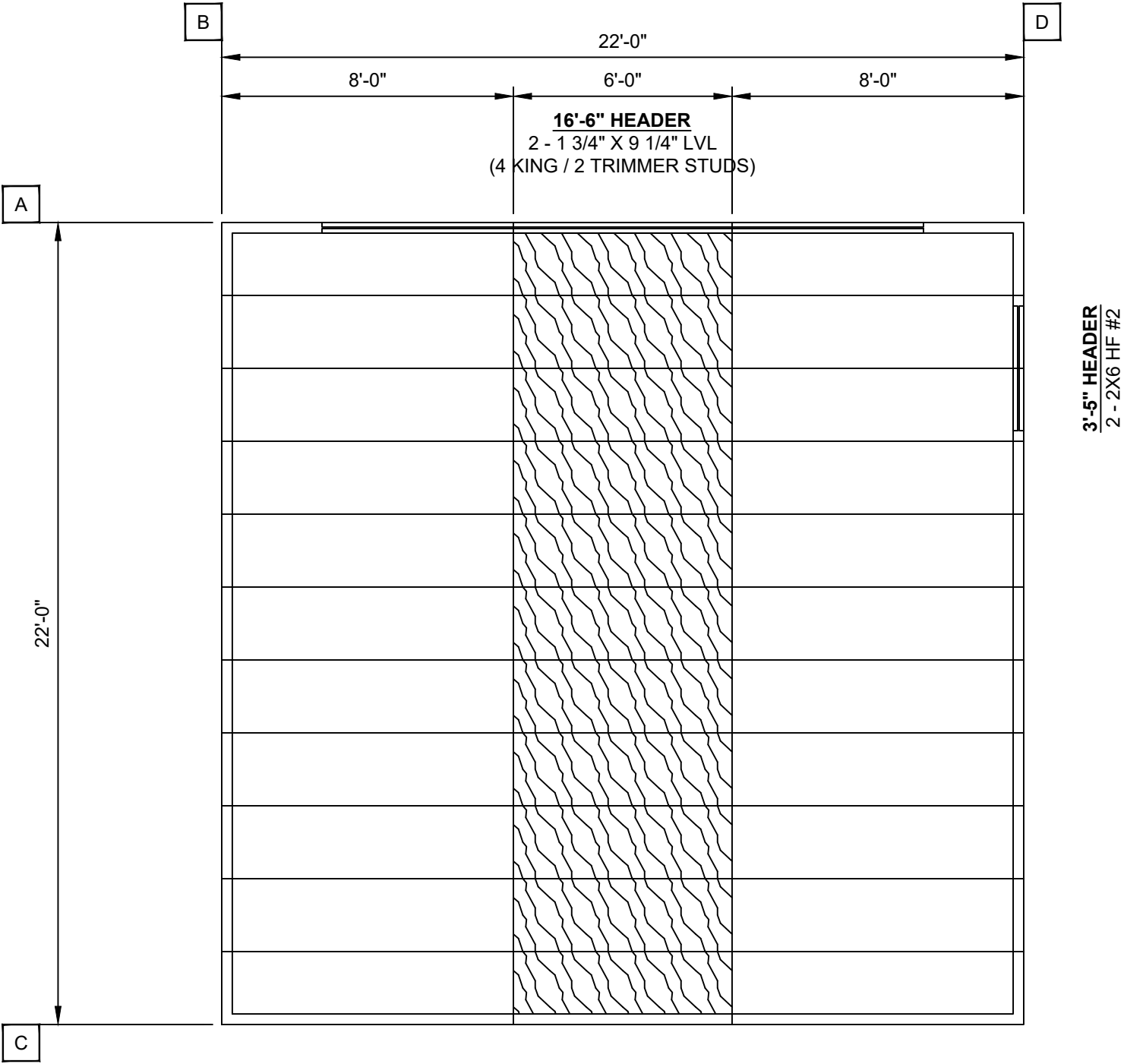
FOUNDATION PLAN

HOLD-DOWN ANCHORS SHALL BE SET AND POSITIONED IN PLACE BEFORE CALLING FOR FOUNDATION INSPECTION.



FLOOR PLAN

HOLD-DOWNS SHALL BE RE-TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING.



LOFT PLAN

TUFF SHED, INC.  
ENGINEERING DEPARTMENT

6/26/2025

TIMOTHY D. CAHALAN, P.E.  
TCAHALAN@TUFFSHED.COM  
1777 S. HARRISON STREET  
DENVER, COLORADO 80210  
(303) 753-8833

SO # 2184766    EP # 25208  
Customer: DAVID AND LETICIA TENIENTE

Description:  
ACCESSORY BUILDING  
22 X 22 = 484 SQ FT  
Site Address:  
407 DONALDSON AVENUE  
SAN ANTONIO, TX 78201

THESE DRAWINGS AND THE DESIGN ARE THE PROPERTY OF TUFF SHED, INC. THESE DRAWINGS ARE FOR A BUILDING TO BE SUPPLIED AND BUILT BY TUFF SHED ONLY. ANY OTHER USE IS FORBIDDEN BY TUFF SHED INC AND THE ENGINEER OF RECORD.

**TUFF SHED**  
Storage Buildings & Garages  
TUFF SHED, INC.  
6012 ZANGS DRIVE  
SAN ANTONIO, TX 78238  
(210) 660-6635  
COPYRIGHT © 2019 TUFF SHED, INC.  
PROPRIETARY. ALL RIGHTS RESERVED.

STORE 200

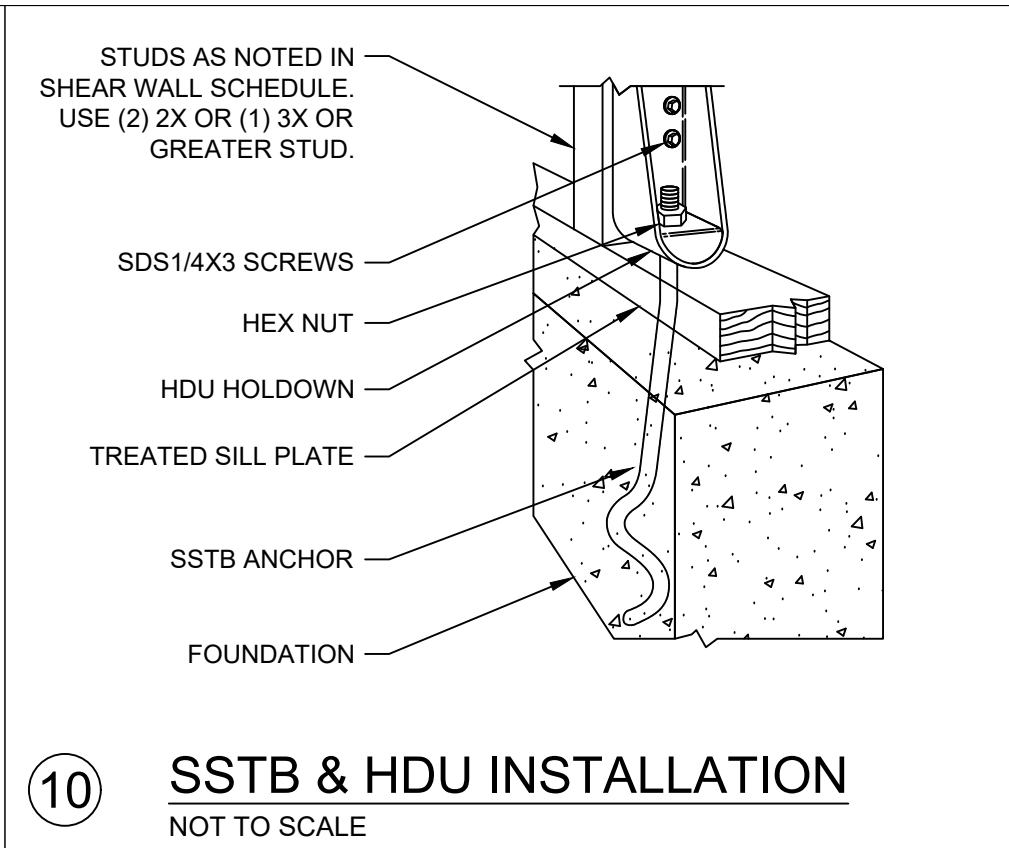
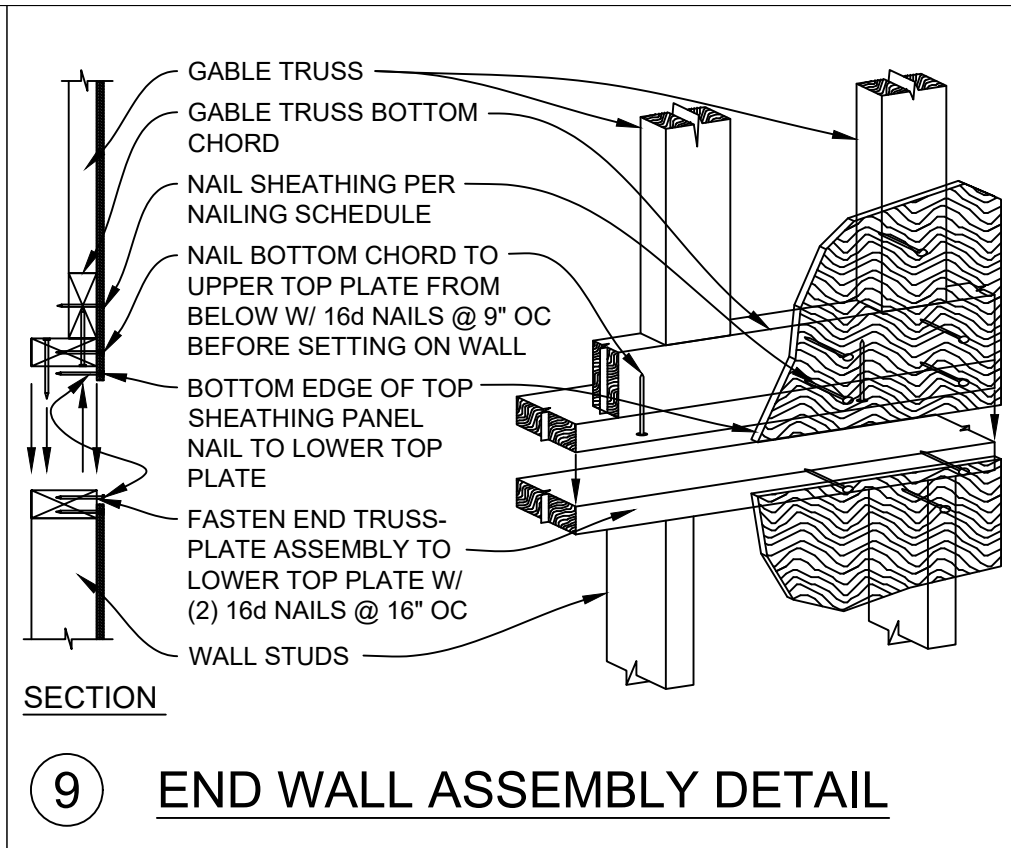
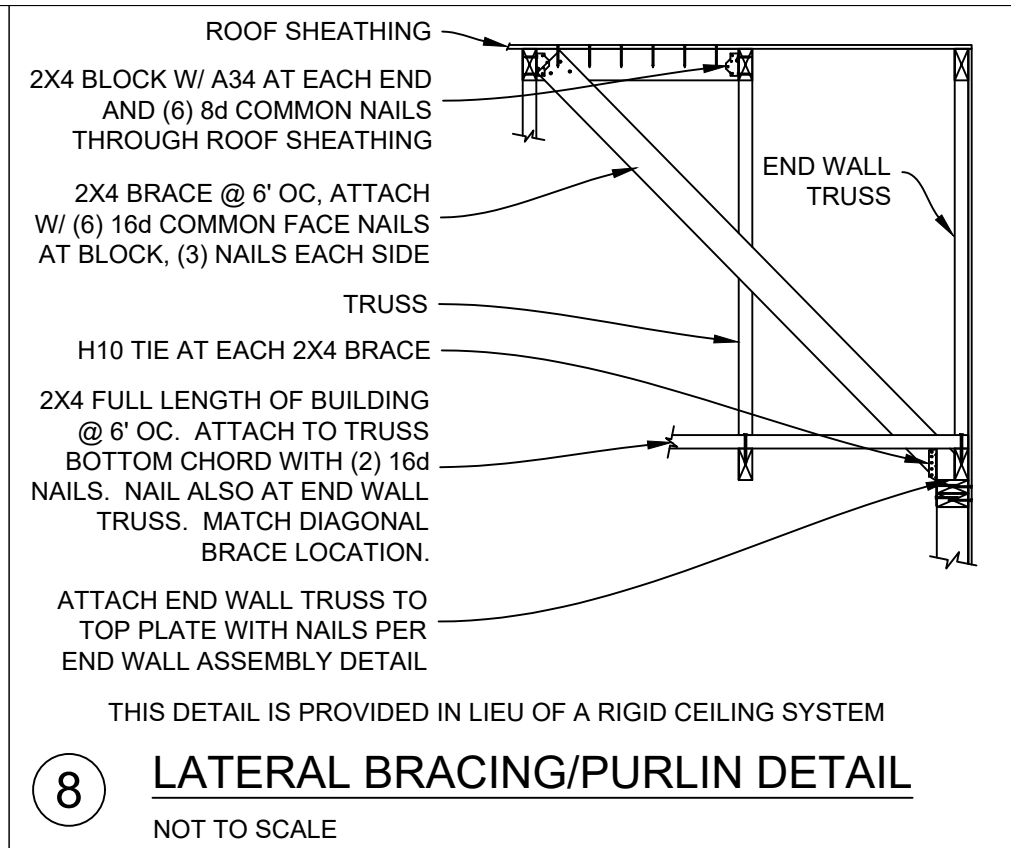
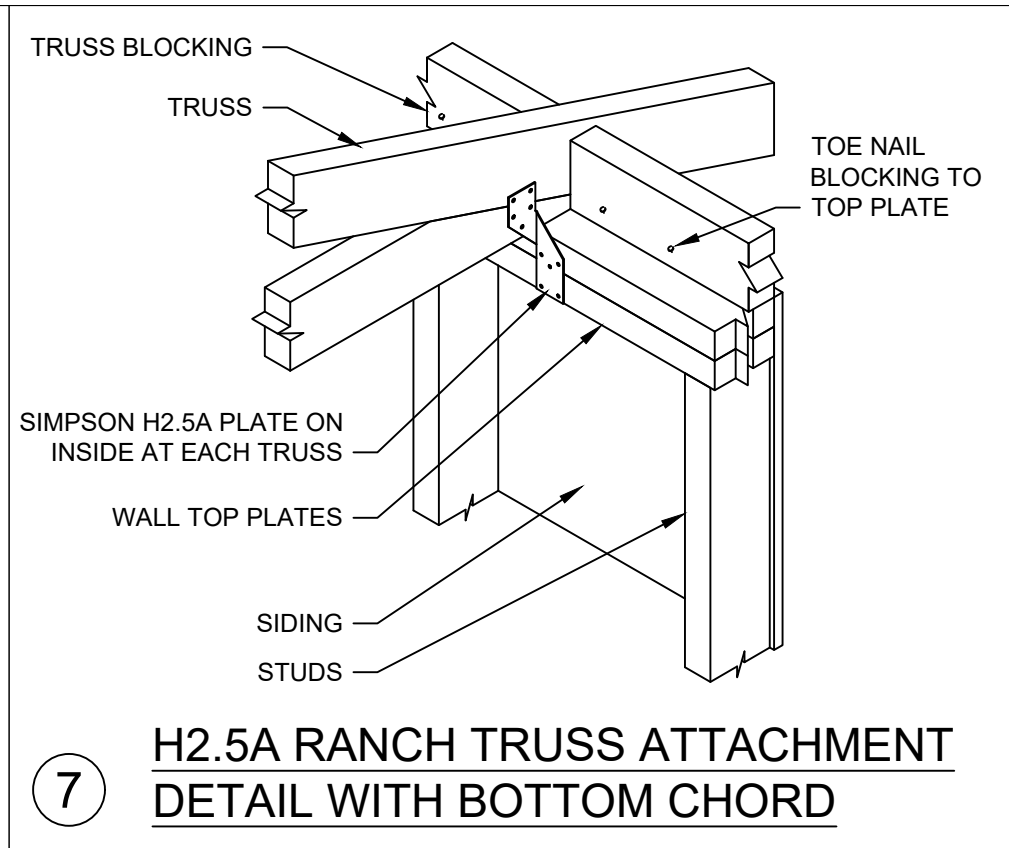
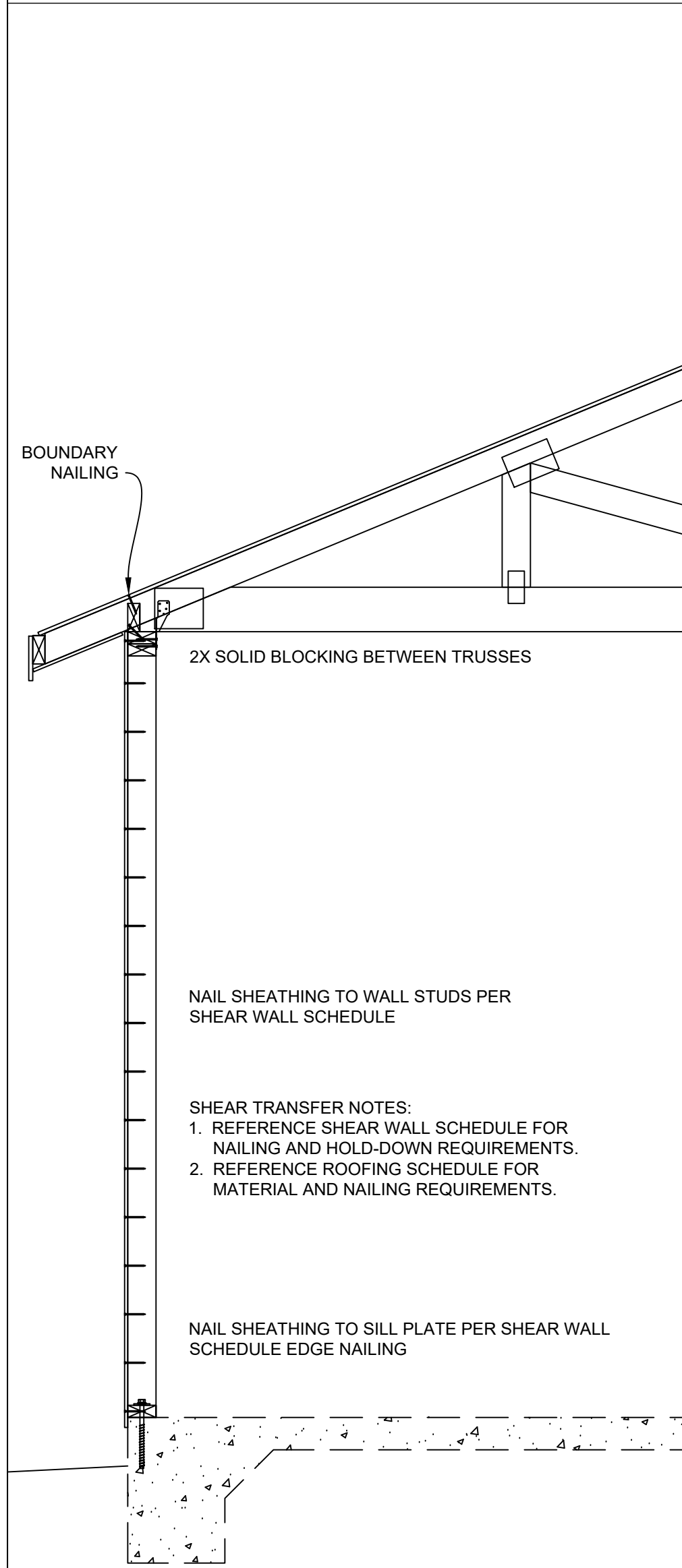
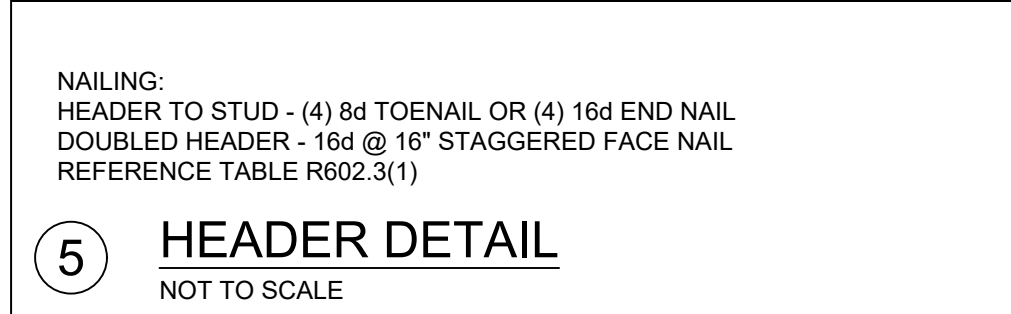
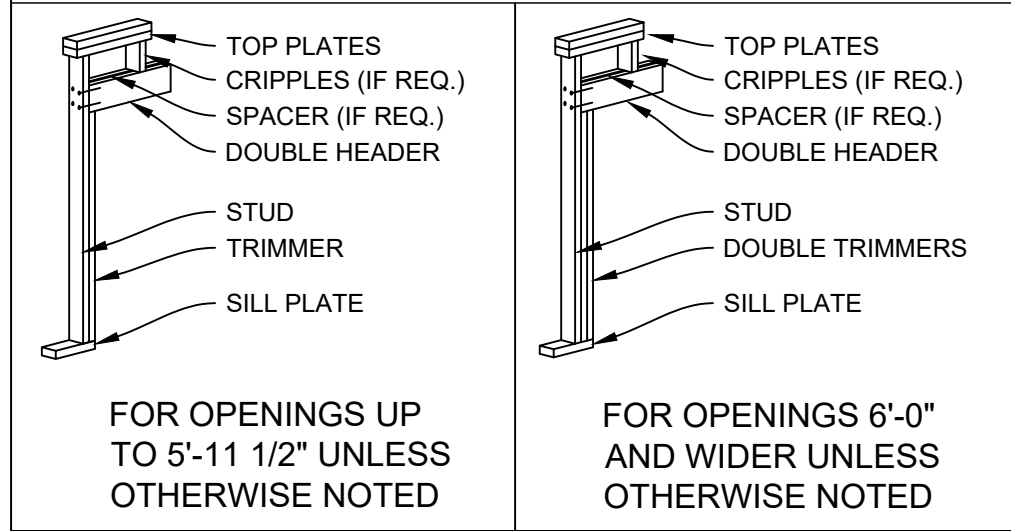
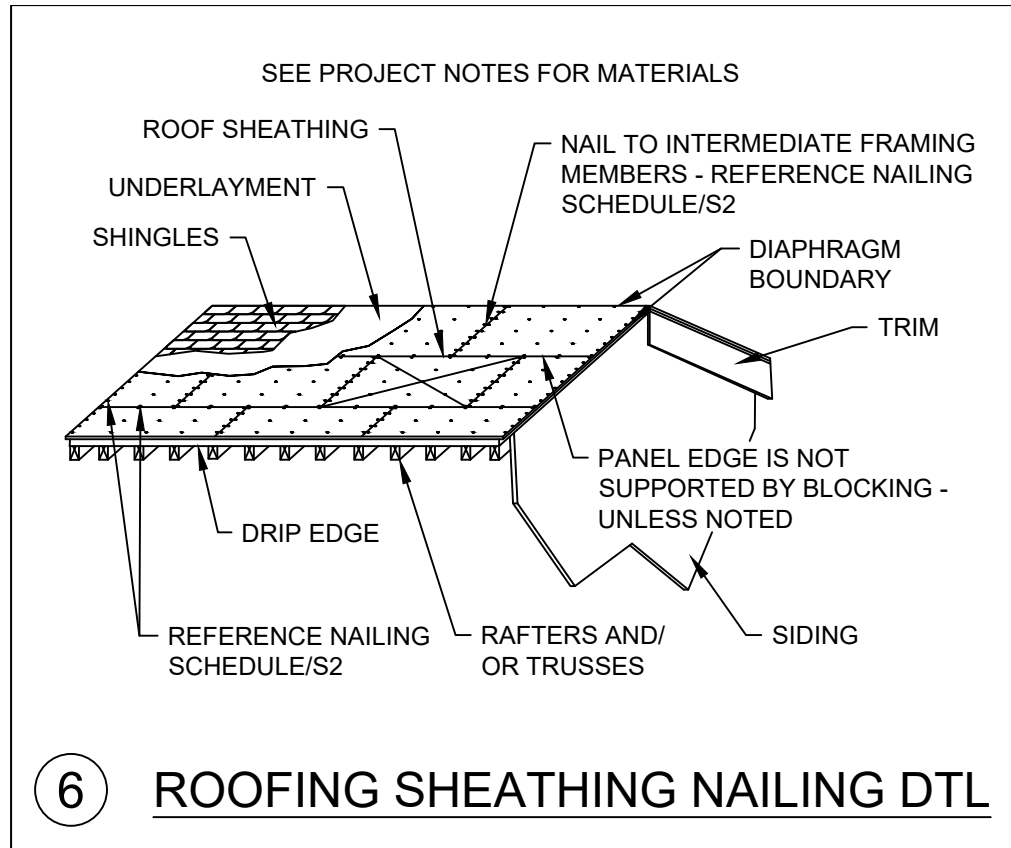
Drawn By: TB  
Date: 6/6/25  
Checked By:  
Date:  
Revised:  
Revised:

Title:  
  
PLANS  
SHEAR WALL SCHED  
NAILING SCHEDULE

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

S2

Sheet 2 of 3



FASTENER EQUIVALENCY	
SIMPSON	USP
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	RE200/RS300
HTT4/HTT5	HTT16/HTT22
CMSTC16	CMSTC16

6/26/2025

TUFF SHED, INC.  
ENGINEERING DEPARTMENT

TIMOTHY D. CAHALAN, P.E.  
TCAHALAN@TUFFSHED.COM  
1777 S. HARRISON STREET  
DENVER, COLORADO 80210  
(303) 753-8833

SO # 2184756 EP # 25208  
Customer: DAVID AND LETICIA TENIENTE

Description:  
ACCESSORY BUILDING  
22' X 22' = 484 SQ FT  
Site Address:  
407 DONALDSON AVENUE  
SAN ANTONIO, TX 78201

THESE DRAWINGS AND THE DESIGN ARE THE PROPERTY OF TUFF SHED, INC. THESE DRAWINGS ARE FOR A BUILDING TO BE SUPPLIED AND BUILT BY TUFF SHED ONLY. ANY OTHER USE IS FORBIDDEN BY TUFF SHED INC AND THE ENGINEER OF RECORD.

**TUFF SHED**  
Storage Buildings & Garages  
TUFF SHED, INC.  
SAN ANTONIO, TEXAS  
(210) 680-8833

STORE 200

Drawn By: TB  
Date: 6/6/25  
Checked By:  
Date:  
Revised:  
Revised:

Title:  
SECTIONS  
DETAILS

Scale: NONE  
Sheet:

