INDEX OF DRAWINGS S0 SITE PLAN, INDEX OF DRAWINGS

ENGINEERING DRAWINGS

DRAWINGS PREPARED BY TUFF SHED, INC.

- S1 PROJECT NOTES, ELEVATIONS
- S2 PLANS, SHEAR WALL SCHEDULE
- S3 SECTION, DETAILS

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES AND REGULATIONS

CALIFORNIA BUILDING CODE, 2022 (CBC) CALIFORNIA RESIDENTIAL CODE, 2022 (CRC) CALIFORNIA PLUMBING CODE 2022 EDITION (CPC) CALIFORNIA ELECTRICAL CODE 2022 EDITION (CEC) CALIFORNIA MECHANICAL CODE 2022 EDITION (CMC) CALIFORNIA GREEN BUILDING CODE 2022 EDITION (GBC) CALIFORNIA ENERGY CODE 2022 EDITION (EC) CALIFORNIA HISTORICAL CODE 2022 EDITION (HC)

INCLUDING ALL AMENDMENTS AS ADOPTED BY THE GOVERNING JURISDICTION.

SCOPE OF WORK

① FOUNDATION (SEE SHEETS S2 & S3)

② DETACHED GARAGE

- 20'-0" x 24-0" 12'4-7/16" HIGH,
- (TUFF SHED) ON A FOUNDATION.

NOTE:

PLEASE SEE ADDITIONAL SHEETS (PLANS & CALCULATIONS BY OTHERS) FOR FOUNDATION / STRUCTURAL.

WE ARE NOT APPLYING FOR AN ELECTRICAL PERMIT.

 $\begin{array}{rcl} \mathsf{OCCUPANCY} &= & \mathsf{U} \\ \mathsf{CONSTRUCTION} & \mathsf{TYPE} &= & \mathsf{VB} \end{array}$

PROPERTY IS ON SEPTIC/LEACH FIELD , WELL WATER SUPPLY ELECTRICITY IS UNDERGROUND TO HOME NO NATURAL FEATURES ON PROPERTY

PROPERTY HAS NO PROPANE ON SITE

PROPERTY BOUNDARY DETERMINED BY MARIN COUNTY ASSESSORS PM_80585

SITE & BUILDING INFORMATION:

ADDRESS: 70 INDIAN HILL RD., NICASIO, CA 94946 BUILDING TYPE: VB OCCUPANCY: R-3 ZONING: ARP-60 APN: 121-270-30 LOT SIZE: 439,956 sq. ft. (10.1 acres) MAIN RESIDENCE BUILDING SQ. FT.: 2,903

NOTE:

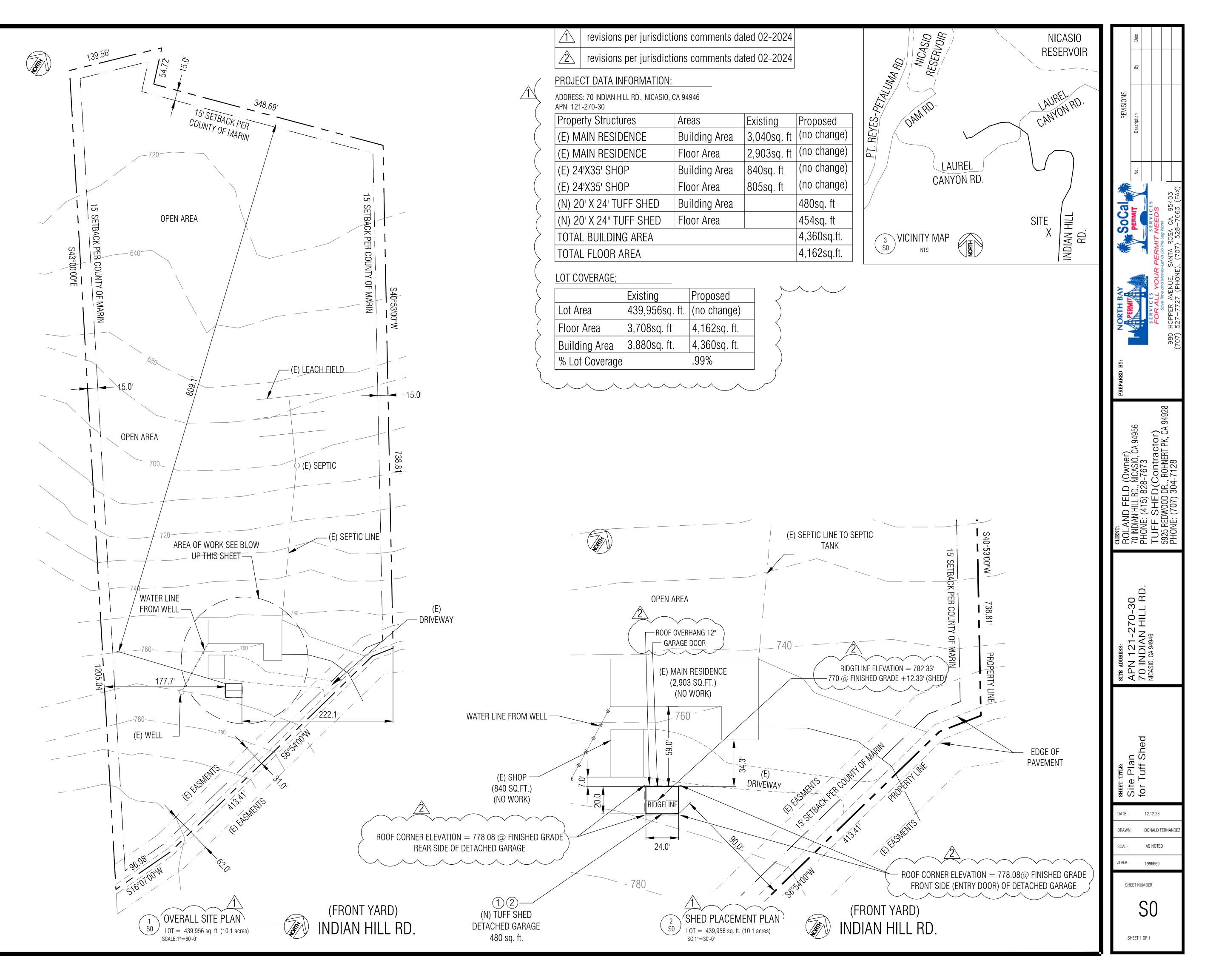
- SITE PLAN IS FOR TUFF SHED PLACEMENT ONLY.

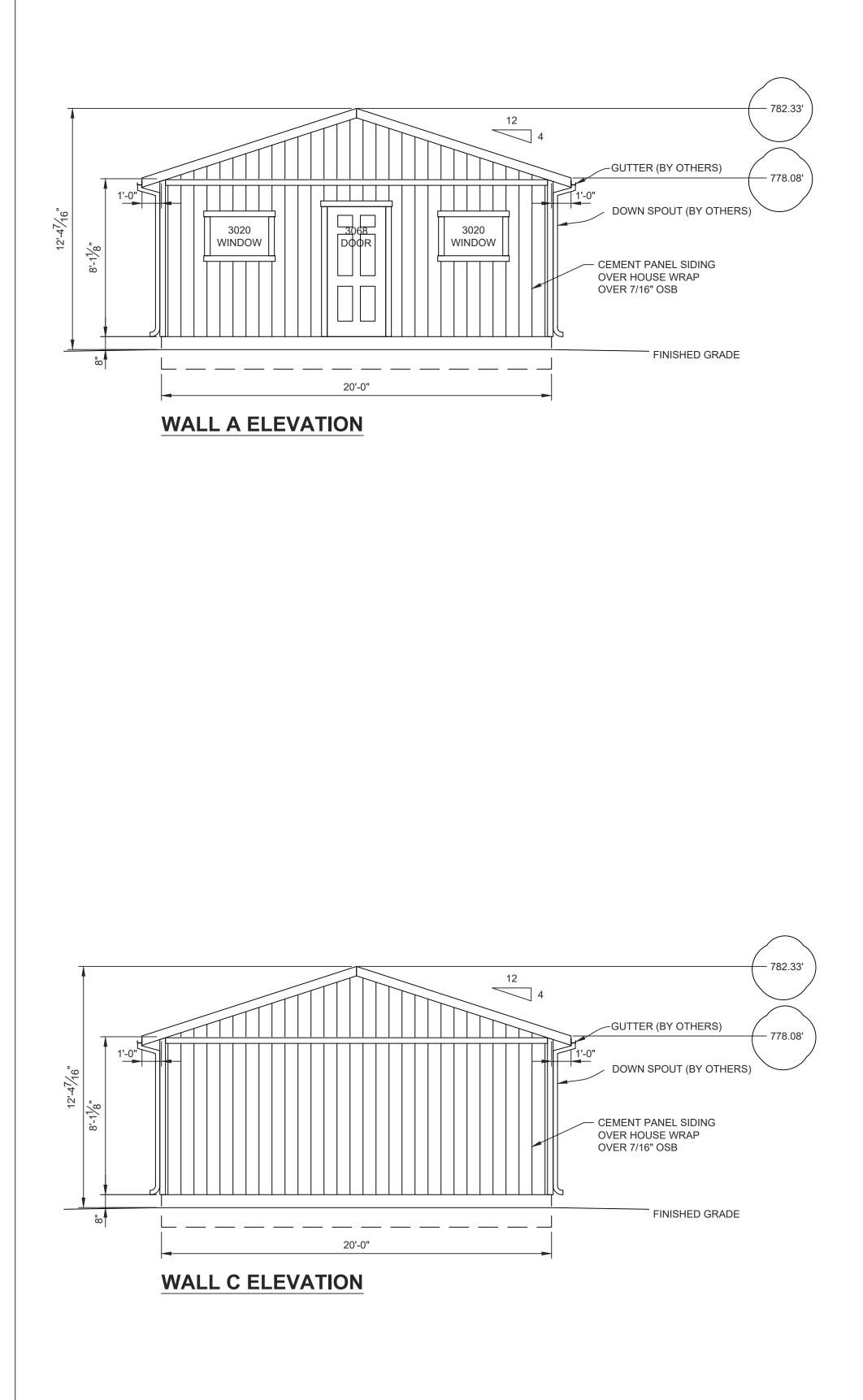
- PROPERTY WILL HAVE NO GRADING PERFORMED ON PREMISES

- PROPERTY WILL HAVE NO ADDITIONAL PARKING AREA OTHER THAN (E) DRIVEWAY

- 20' X 24' DETACHED GARAGE FRONT ENTRY DOOR IS FACING

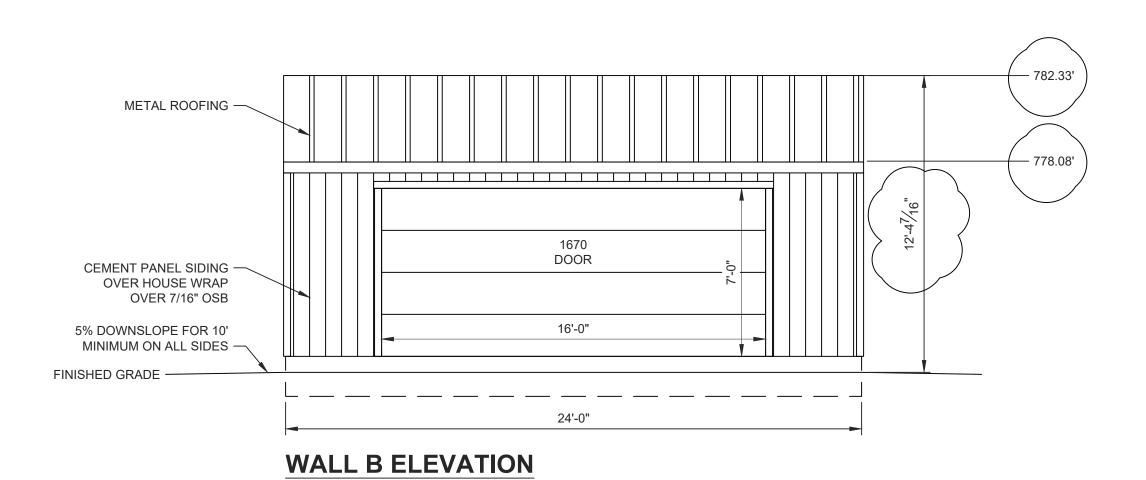


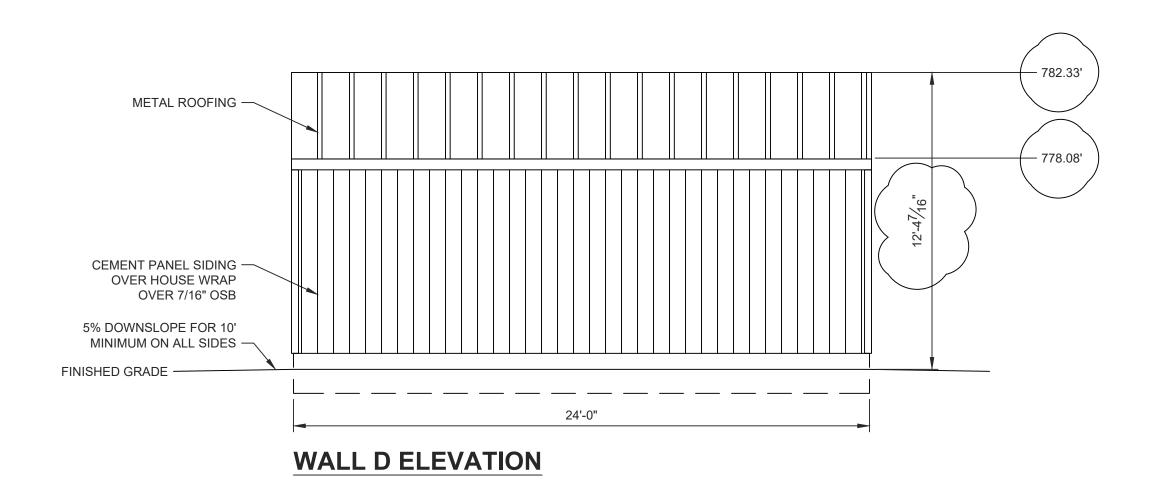




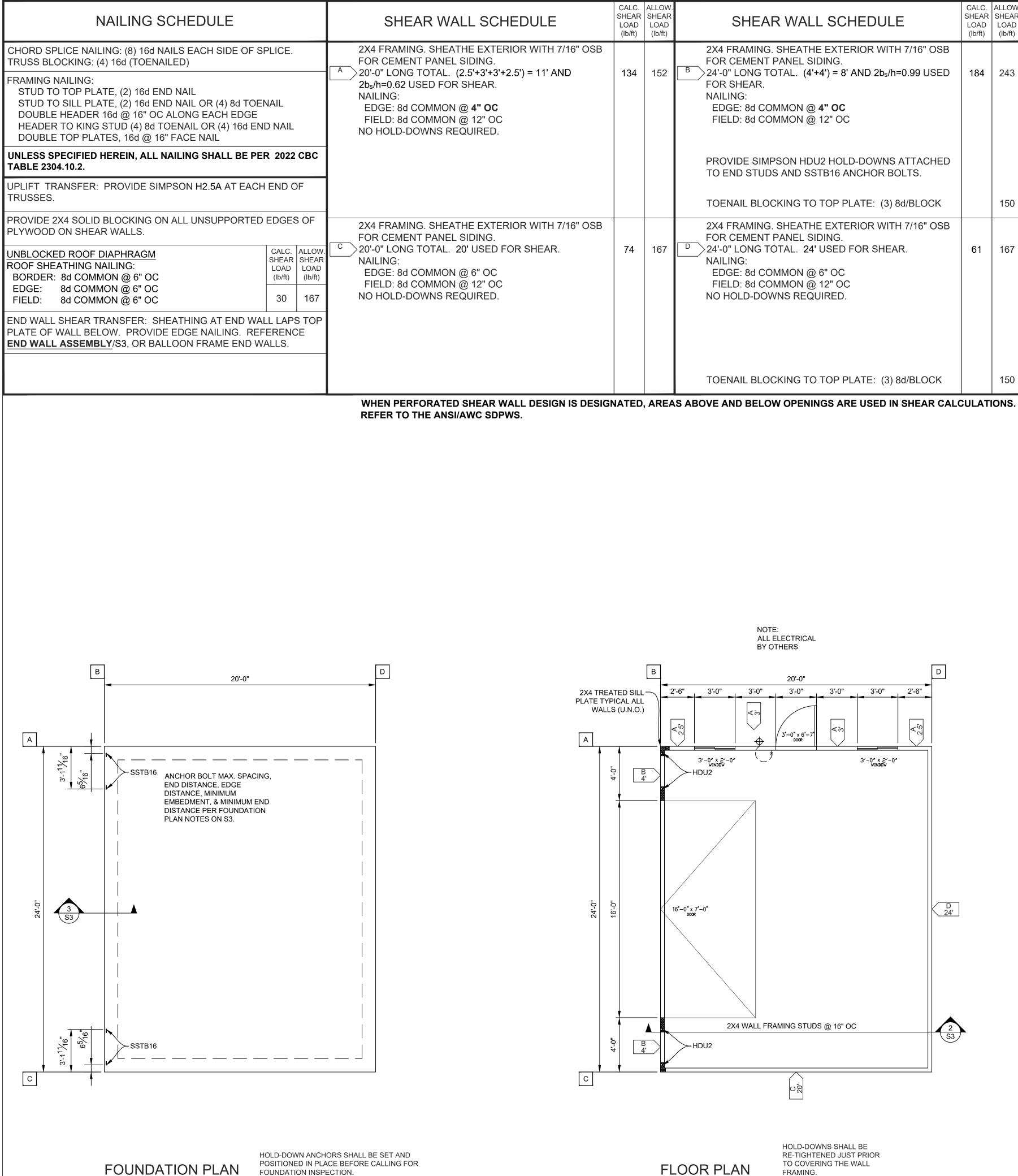


DRAWING INDEX S1 - PROJECT NOTES, ELEVATIONS S2 - PLANS, SHEAR WALL SCHEDULE S3 - SECTIONS, DETAILS

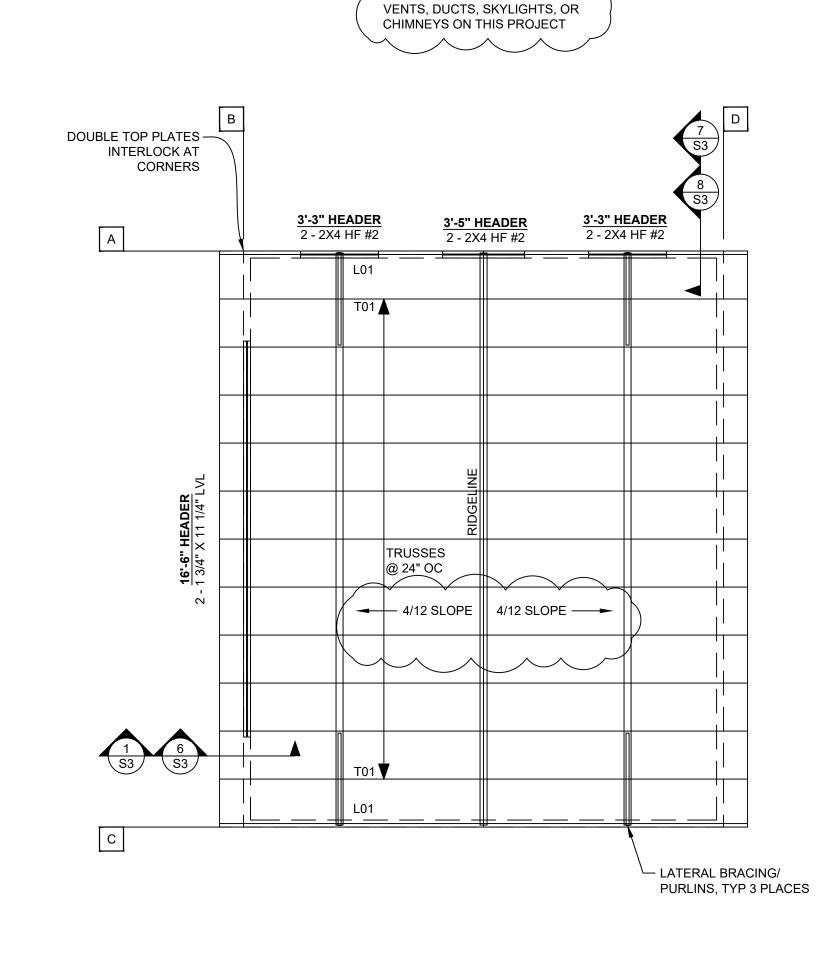




PROJECT NOTES	
 DESIGN REQUIREMENTS GOVERNING CODES: 2022 CALIFORNIA BUILDING CODE WITH LOCAL AMENDMENTS OCCUPANCY GROUP: GROUP U RISK CATEGORY: II CONSTRUCTION TYPE: V-B 	
2. DESIGN SCHEDULE A. BUILDING SIZE WIDTH: 20'-0" LENGTH: 24'-0" SIDE WALL HEIGHT: 8'-1 1/8" TOTAL HEIGHT: 12'-4 3/8" B. ROOF PITCH: 4/12 C. BUILDING LOADS ROOF LIVE LOAD: 20 PSF ROOF DEAD LOAD: 10 PSF D. DESIGN WIND BASIC WIND SPEED, V: 100 MPH WIND EXPOSURE: C E. SEISMIC INFORMATION SEISMIC DESIGN CATEGORY: E SEISMIC IMPORTANCE FACTOR, I_e : 1.00 S ₈ : 1.93 S ₇ : 0.79 SITE CLASS: D S _{D5} : 1.54	2/22/2024
 SDS: 1.04 SD3: 0.90 SEISMIC FORCE-RESISTING SYSTEM: BEARING WALL DESIGN BASE SHEAR/WALL: 2,100 LBS. C_S: 0.24 R: 6.5 ANALYSIS PROCEDURE: SIMPLIFIED DESIGN 3. 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. METAL ROOF. D. GAF FELTBUSTER. E. TYPE 'D' METAL DRIP EDGE FLASHING REQUIRED ALL SIDES. F. TRUSSES SHALL BE SPACED @ 24" OC. G. SEE SEPARATE TRUSS SHEETS FOR TRUSS FRAMING AND MATERIALS. 	TUFF SHED, INC. ENGINEERING DEPARTMENT TIMOTHY D. CAHALAN, P.E. TCAHALAN@TUFFSHED.COM 1777 S. HARRISON STREET DENVER, COLORADO 80210 (303) 753-8833 EXT. 96319
 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. 4. WOOD FRAMING A. ALL HEADERS ARE HEM-FIR (HF) #2 (U.N.O.). B. ALL WALL FRAMING MEMBERS SHALL BE HEM-FIR (HF) STUD GRADE OR BETTER. C. STUDS SHALL BE SPACED @ 16" OC. 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 DESIGN VALUES: F_b = 2600 PSI, F_t = 1555 PSI, F_v = 285 PSI, F_{CII} = 2510 PSI, F_{CL} = 750 PSI, E = 2.0 x 10⁶ PSI, SG= 0.50 5. SOIL A. MIN. REQUIRED SOIL TYPE SHALL BE CLAY, SANDY CLAY, SILTY CLAY, OR CLAYEY SILT (CL, ML, MH & CH). PRESCRIPTIVE ALLOWABLE SOIL BEARING 	S AND THESO #: 1996669EP #: 17849PROPERTY OFCustomer: ROLAND FELDTHESECustomer: ROLAND FELDTHESEDescription:OR ADescription:OR ACCESSORY BUILDINGOR ACCESSORY BUILDINGOR ASorrighton:S PORBIDENSite Address:C AND THENICASIO, CA 94946CORD.
 PRESSURE USED IN DESIGN IS 1500 PSF AT 12" DEEP. VALUES ARE PER TABLE 1806.2. B. ALL FOOTINGS SHALL BE FOUNDED ON UNDISTURBED NATURAL SOIL. C. IN THE EVENT EXCAVATIONS REVEAL UNFAVORABLE CONDITIONS, THE SERVICES OF A SOILS ENGINEER MAY BE REQUIRED. 6. PERMIT A. PERMIT APPLICATIONS, WHERE NO PERMIT IS ISSUED, SHALL EXPIRE PER LIMITATIONS SET BY LOCAL CODES. B. JOB CARD REQUIRED TO BE AVAILABLE FOR SIGNATURE AT JOB SITE 	THESE DRAWING DESIGN ARE THE TUFF SHED, INC. DRAWINGS ARE F BUILDING TO BE (BUILT BY TUFF SH ANY OTHER USE IN BY TUFF SHED IN ENGINEER OF RE
 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 AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS. D. GREEN VINYL SINKER NAILS DO NOT MEET THE NAILING REQUIREMENTS OF COMMON NAILS. 	A CONTRACTORS LICENSE #661664 Sold and a contractors license #661664 5 TUFF SHED, INC. Sold and a contractors license #661664 5 TUFF SHED, INC. STUFF S
 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. 	Drawn By: PK Date: 10/2/23 Checked By: JR Date: 11/21/23 Revised: Revised: Title: PROJECT NOTES ELEVATIONS
	Scale: 1/4" = 1'-0" Sheet:



S	CALC. HEAR LOAD (Ib/ft)	ALLOW. SHEAR LOAD (lb/ft)	SHEAR WALL SCHEDULE	CALC. SHEAR LOAD (lb/ft)	ALLOW. SHEAR LOAD (lb/ft)
	134	152	2X4 FRAMING. SHEATHE EXTERIOR WITH 7/16" OSB FOR CEMENT PANEL SIDING. ^B 24'-0" LONG TOTAL. (4'+4') = 8' AND 2b _s /h=0.99 USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 4" OC FIELD: 8d COMMON @ 12" OC	184	243
			PROVIDE SIMPSON HDU2 HOLD-DOWNS ATTACHED TO END STUDS AND SSTB16 ANCHOR BOLTS.		
			TOENAIL BLOCKING TO TOP PLATE: (3) 8d/BLOCK		150
	74	167	2X4 FRAMING. SHEATHE EXTERIOR WITH 7/16" OSB FOR CEMENT PANEL SIDING. 24'-0" LONG TOTAL. 24' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC NO HOLD-DOWNS REQUIRED.	61	167
			TOENAIL BLOCKING TO TOP PLATE: (3) 8d/BLOCK		150
NA	TED	, AREA	S ABOVE AND BELOW OPENINGS ARE USED IN SHEAR CALC		ONS.



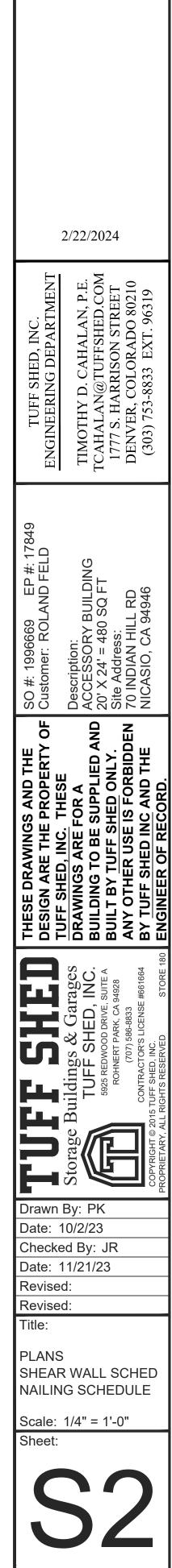
NO HIPS, VALLEYS, MECHANICAL

FLOOR PLAN

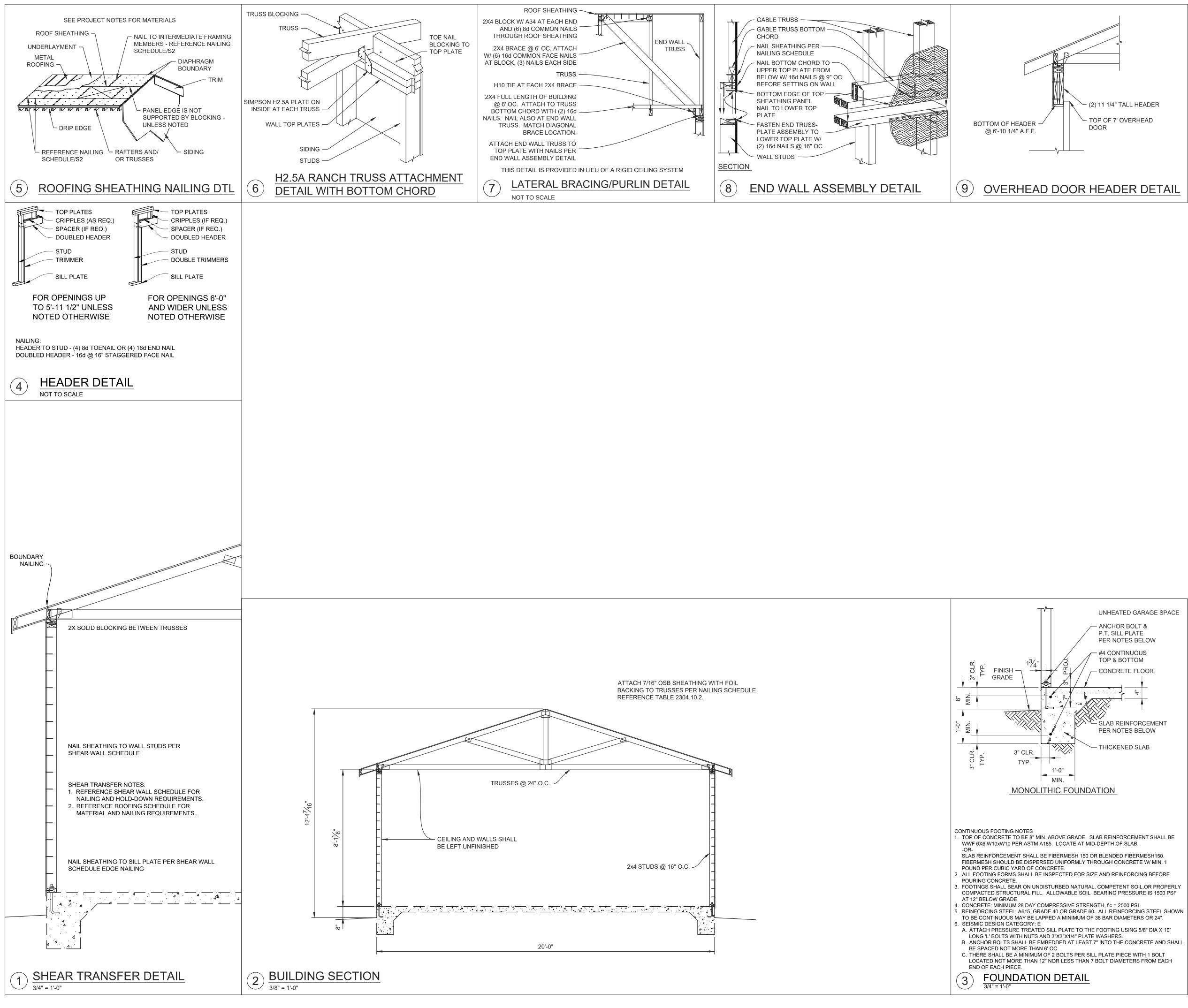
FRAMING.

ROOF FRAMING PLAN

FASTENER E	QUIVALENCY
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

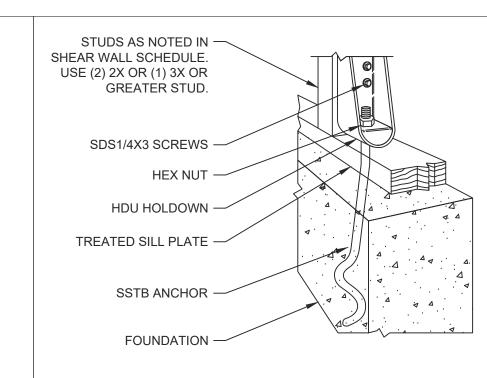


Sheet 2 of 3





SSTB & HDU INSTALLATION NOT TO SCALE



2/22/2024
INC. PARTMENT ALAN, P.E. SHED.COM N STREET ADO 80210 XT. 96319
TUFF SHED, INC. ENGINEERING DEPARTMENT TIMOTHY D. CAHALAN, P.E. TCAHALAN@TUFFSHED.COM 1777 S. HARRISON STREET DENVER, COLORADO 80210 (303) 753-8833 EXT. 96319
SO #: 1996669 EP #: 17849 Customer: ROLAND FELD Description: ACCESSORY BUILDING 20' X 24' = 480 SQ FT Site Address: 70 INDIAN HILL RD NICASIO, CA 94946
S AND THE PROPERTY THESE OR A SUPPLIED A HED ONLY. IS FORBIDD C AND THE CORD.
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.
C Garages C Garages HED, INC. DRIVE, SUITE A ARK, CA 94928 86-8833 B6-8833 STORE 180
Bate Service State Suildings & Garages Garages Garages Garages Garages Garages Connext sure A Rohnert Park, ca 94928 (707) 586-8833 (707) 586-883 (707) 586-883 (707) 586-883 (707) 586-8833 (707) 586-883 (707) 586-883
Drawn By: PK Bate: 10/2/23 Checked By: JR Date: 10/2/23 Checked By: JR Date: 11/21/23 Contractors License #661664 Contractors License #661664
Drawn By: PK Storage Buildings & Garages TUFF SHED, INC. 525 REDWOD DRIVE, SUITE A ROHNERT PARK, CA 94928 (707) 586-8833 (707) 586-883 (707) 586-886-883 (707) 586-883 (707) 586-883 (707) 586-885 (707) 586-886 (707) 586-886 (707) 586-885 (707) 586-883 (707) 586-885 (707)