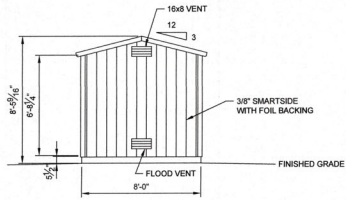
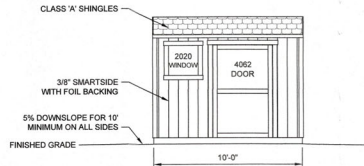


ACCESSORY BUILDING 8' X 10' = 80 SQ FT

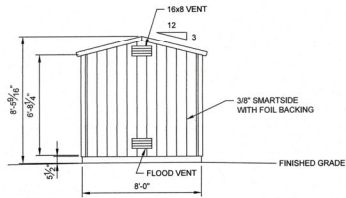
DRAWING INDEX
S1 - PROJECT NOTES, ELEVATIONS
S2 - PLANS, SHEAR WALL SCHEDULE
S3 - SECTIONS, DETAILS



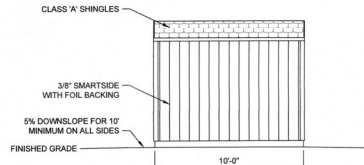
WALL A ELEVATION



WALL B ELEVATION



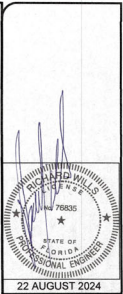
WALL C ELEVATION



WALL D ELEVATION

PROJECT NOTES

- DESIGN REQUIREMENTS
GOVERNING CODES: FLORIDA BUILDING CODE, 8TH EDITION (2023)
OCCUPANCY GROUP: GROUP U
CONSTRUCTION TYPE: V-B
- DESIGN SCHEDULE
A. BUILDING SIZE
WIDTH: 8'-0"
LENGTH: 10'-0"
SIDE WALL HEIGHT: 6'-8 1/4"
TOTAL HEIGHT: 8'-4 5/8"
B. ROOF PITCH: 3/12
C. BUILDING LOADS
ROOF LIVE LOAD: 20 PSF
ROOF DEAD LOAD: 10 PSF
D. DESIGN WIND LOAD
ULTIMATE DESIGN WIND SPEED: 150 MPH
NOMINAL DESIGN WIND SPEED: 116 MPH
BUILDING RISK CATEGORY: II
WIND EXPOSURE: CATEGORY D
ENCLOSURE CLASSIFICATION: INCLOSURE
INTERNAL PRESSURE COEFFICIENTS: -0.18/+0.18
EDGE STRIP DISTANCE: a = 3'-0"
E. NOMINAL COMPONENTS & CLADDING WIND PRESSURES
ZONE 1: -66 PSF/+24 PSF
ZONE 2: -87 PSF/+24 PSF
ZONE 3: -114 PSF/+24 PSF
ZONE 4: -39 PSF/+36 PSF
ZONE 5: -48 PSF/+36 PSF
- ROOFING SCHEDULE
A. ROOF SHEATHING SHALL BE APA RATED 7/16" THICK OSB WITH FOIL BACKING, 2416 RATED MIN. UNLOCKED DIAPHRAGM. STAGGER LAYOUT PER APA CONDITION 1.
B. SHEATHING NAILING SHALL BE PER NAILING SCHEDULE.
C. LIFETIME DIMENSIONAL ASPHALT SHINGLES (U.N.O.).
D. FELTBUSTER BY GAF.
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 CONNECTOR TRUSS TRUSSES' (BCIS).
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 FRAMING MEMBERS SHALL BE SPF #2 OR BETTER.
B. STUDS SHALL BE SPF STUD GRADE OR BETTER AND SPACED @ 16" O.C.
C. FASTEN EXTERIOR WALL SHEATHING TO FRAMING PER NAILING SCHEDULE.
D. PROVIDE SOLID BLOCKING AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.
E. SHEAR WALL MATERIAL AND NAILING SHALL BE AS SPECIFIED IN SHEAR WALL SCHEDULE.
- SOIL
A. 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 1006.2.
B. ALL FOOTINGS SHALL BE FOUND 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 105.5.
B. JOB CARD REQUIRED TO BE AVAILABLE FOR SIGNATURE AT JOB SITE.
- GENERAL NOTES
A. INSTALLATION PROCEDURES SHALL CONFORM TO OSHA STANDARDS.
B. BUILDER SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES, TREES, UTILITIES, ETC.
C. BUILDER IS RESPONSIBLE FOR SAFETY OF BUILDING DURING CONSTRUCTION. PROVIDE ALL SHORING OR BRACING AS REQUIRED AND PER GOVERNING REGULATIONS.
D. ALL WOOD CONSTRUCTION CONNECTORS REFERENCED IN THIS DRAWING SHALL BE SIMPSON STRONG-TIE OR EQUIVALENT.
E. GREEN VINYL SINKER NAILS DO NOT MEET THE NAILING REQUIREMENTS OF COMMON NAILS.
- MATERIAL EVALUATION REPORT IDENTIFICATION
A. TRUSS CONNECTION PLATES BY EAGLE METAL PER ICC-ES REPORT ESR-1002 EFC SUPPLEMENT.
B. FLORIDA BUILDING APPROVAL NUMBERS:
A. GARAGE DOOR BY OVERHEAD DOOR CORPORATION PER FLORIDA BUILDING APPROVAL #FL14170.
B. SERVICE DOOR BY JELD-WEN, INC PER FLORIDA BUILDING APPROVAL #FL11136.
C. SHED DOORS BY TUFF SHED, INC. PER FLORIDA BUILDING APPROVAL #FL22202.
D. WINDOWS BY TAFCO CORP - FLORIDA BUILDING APPROVAL #FL20743.
E. ECO-GUARD WINDOWS BY ECO WINDOW SYSTEMS PER FLORIDA BUILDING APPROVAL #FL22670.
F. IMPACT WINDOWS BY SILVER LINE BUILDING PRODUCTS CORP. PER FLORIDA BUILDING APPROVAL #FL14911.
G. HDU PRE-DEFLECTED HDU-DOWNS BY SIMPSON STRONG-TIE PER FLORIDA BUILDING APPROVAL #FL10441.
H. STD ANCHORS BY SIMPSON STRONG-TIE PER FLORIDA BUILDING APPROVAL #FL13628.
I. H2.5A HURRICANE TIES BY SIMPSON STRONG-TIE PER FLORIDA BUILDING APPROVAL #FL10465.
J. SMARTSIDE SIDING BY LP BUILDING PRODUCTS PER FLORIDA BUILDING APPROVAL #FL13223.
K. HARDIE PANEL SIDING BY JAMES HARDIE BUILDING PRODUCTS PER FLORIDA BUILDING APPROVAL #FL13192.
L. ASPHALT SHINGLES BY GAF PER FLORIDA BUILDING APPROVAL #FL10124.
M. STARTER STRIP SHINGLE BY GAF PER FLORIDA BUILDING APPROVAL #FL10626.
N. TRANSCOM WINDOWS BY INNOVATIONS MANUFACTURING, INC. PER FLORIDA BUILDING APPROVAL #FL17667.
O. LAMINATED VENEER LUMBER (LVL) BY WEYERHAEUSER PER FLORIDA BUILDING APPROVAL #FL16527.
P. FLOOD VENTS BY FLOOD SOLUTIONS, LLC (IF REQ'D) PER FLORIDA BUILDING APPROVAL #FL17686.
Q. TITEN HD ANCHORS BY SIMPSON STRONG-TIE PER FLORIDA BUILDING APPROVAL #FL15730.



TUFF SHED, INC.
ENGINEERING DEPARTMENT
RICHARD J. WILLIS, P.E.
RJWILLIS@TUFFSHED.COM
11247 TOWN AT
DENVER, COLORADO 80210
(303) 753-8833

Customer: RAQUEL BARRIOS
Accessory Building
8' X 10' = 80 SQ FT
809 Address
LONGBOAT KEY, FL 34228

THESE DRAWINGS AND THE DESIGN ARE THE PROPERTY OF TUFF SHED, INC. THESE DRAWINGS ARE FOR A BUILDING TO BE SUPPLIED AND NO OTHER USE IS FORBIDDEN BY TUFF SHED, INC. AND THE ENGINEER OF RECORD.



Drawn By: PK
Date: 3/4/24
Checked By:
Date:
Revised:
Revised:
Title:
PROJECT NOTES
ELEVATIONS
Scale: 1/4" = 1'-0"
Sheet:

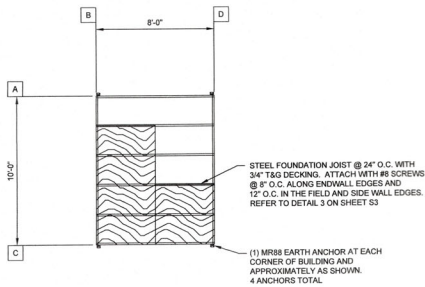
S1
Sheet 1 of 3

Permit # 22-24-0762
REVIEWED FOR CODE COMPLIANCE
LONGBOAT KEY BUILDING DEPT.
AUG 28 2024
APPROVED
TOWN OF LONGBOAT KEY
Planning, Zoning & Building

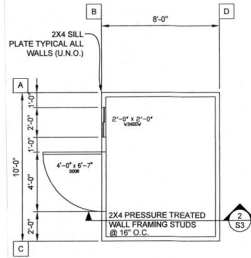
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FILE
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NAILING SCHEDULE	SHEAR WALL SCHEDULE	CALC. ALLOW SHEAR LOAD (lb/ft)	SHEAR WALL SCHEDULE	CALC. ALLOW SHEAR LOAD (lb/ft)
CHORD SPLICE NAILING: (8) 16d NAILS EACH SIDE OF SPLICE. TRUSS BLOCKING: (4) 16d (TOENAIL)	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 8'-0" LONG TOTAL. 8' USED FOR SHEAR.	83 148	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 10'-0" LONG TOTAL. 0' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC NO HOLD-DOWNS REQUIRED. 3-WALL DIAPHRAGM DESIGN. WALL 'B' IS NOT A SHEAR WALL. SHEAR IS TRANSFERRED TO WALL 'D'. TOENAIL BLOCKING TO TOP PLATE: (3) 8d/BLOCK	150
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	PROVIDE 2 AUGER ANCHORS LOCATED APPROXIMATELY AS SHOWN.			
UNLESS SPECIFIED HEREIN, ALL NAILING SHALL BE PER FBC, 8th EDITION (2023) TABLE 2304.10.1.				
UPLIFT TRANSFER: PROVIDE SIMPSON H2.5A AT EACH END OF TRUSSES.				
PROVIDE 2X4 SOLID BLOCKING ON ALL UNSUPPORTED EDGES OF PLYWOOD ON SHEAR WALLS.	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 8'-0" LONG TOTAL. 8' USED FOR SHEAR.	83 148	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE WITH FOIL BACKING. 10'-0" LONG TOTAL. 10' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC NO HOLD-DOWNS REQUIRED. TOENAIL BLOCKING TO TOP PLATE: (3) 8d/BLOCK	150
UNBLOCKED ROOF DIAPHRAGM ROOF SHEATHING NAILING: BORDER: 0.113" X 2 3/4" GALV RING SHANK @ 6" OC EDGE: 0.113" X 2 3/4" GALV RING SHANK @ 6" OC FIELD: 0.113" X 2 3/4" GALV RING SHANK @ 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.	38 166		

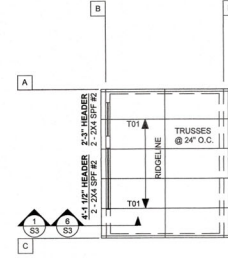
WHEN PERFORATED SHEAR WALL DESIGN IS DESIGNATED, AREAS ABOVE AND BELOW OPENINGS ARE USED IN SHEAR CALCULATIONS. REFER TO THE ANSI/AWC SDPWS.



FOUNDATION PLAN



FLOOR PLAN



ROOF FRAMING PLAN

FASTENER EQUIVALENCY	
SIMPSON	USP
H2.5A	RT7A
SSTB16-SSTB36	STB16-STB36
HDU2-HDU5	PHD2A-PHD5A
HDU8	PHD8
LUS24-LUS210	JUS24-JUS210
LS30L-S50	MP3-MP5
LSTA8-LSTA24	LSTA8-LSTA24
A24	TDL5
H1	RT15
H3	RT3A
H6	LFTA6
H8	LTW12
H10	RT18A
PA51/PA68	TA51/TA71
ABA44/ABA66	PA44E/PA66E
BC4/BC6	C44/C66
A311	TDL10
HST2	KHST2
SDS1/4X3 SCREW	WS3
A34	MP34
A36	MPA1
CS18/CS22	RE200/RS300
HTT4/HTT5	HTT16/HTT22
CMSTC16	CMSTC16



22 AUGUST 2024

TUFF SHED, INC.
ENGINEERING DEPARTMENT
RICHARD J. WILLIS, P.E.
RWILLIS@TUFFSHED.COM
1777 S. HARRISON STREET
DENVER, COLORADO 80210
(303) 755-8833

SO # 2041860 EP # 20019
Customer: RAQUEL BARRIOS
Description: BUILDING
6' X 10' = 60 SQ FT
Site Address:
891 TARAWEY DR
LONGMONT, CO 80501

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TUFF SHED
Storage Buildings & Garages
TUFF SHED, INC.
TAMPA, FL 33613
CONTRACTOR REGISTRATION NO. 170855
PROFESSIONAL SEAL AND SIGNATURE OF ENGINEER

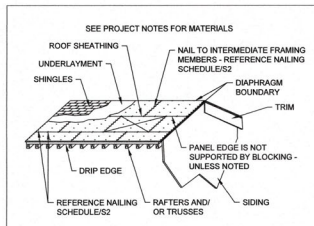
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Date: 3/4/24
Checked By:
Date:
Revised:
Revised:
Title:

PLANS
SHEAR WALL SCHED
NAILING SCHEDULE

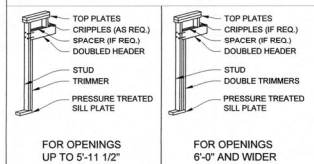
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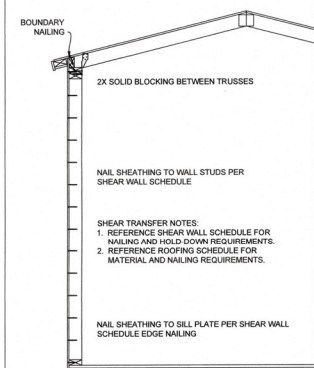


5 ROOFING SHEATHING NAILING DTL

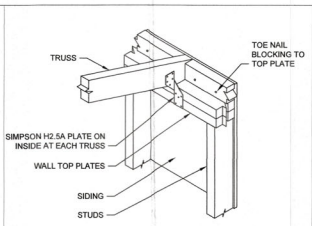


NAILING:
HEADER TO STUD - (4) #4 TOENAIL OR (4) 16d END NAIL
DOUBLED HEADER - 16d @ 18" STAGGERED FACE NAIL
REFERENCE TABLE 2304.10.1

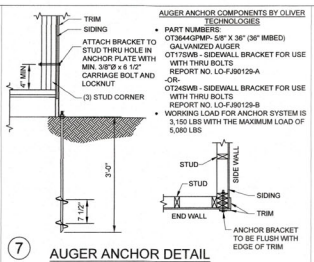
4 HEADER DETAIL
NOT TO SCALE



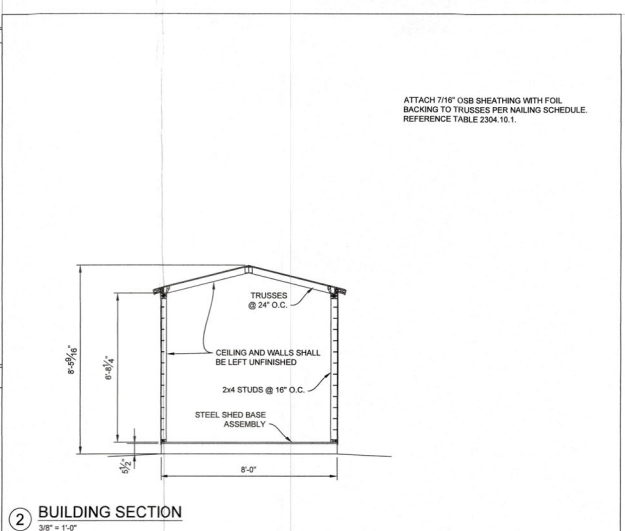
1 SHEAR TRANSFER DETAIL
3/4" = 1'-0"



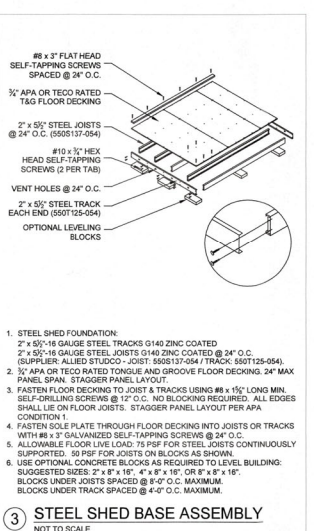
6 SHED TRUSS H2.5A ATTACHMENT



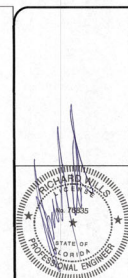
7 AUGER ANCHOR DETAIL



2 BUILDING SECTION
3/8" = 1'-0"



3 STEEL SHED BASE ASSEMBLY
NOT TO SCALE



22 AUGUST 2024

TUFF SHED, INC.
ENGINEERING DEPARTMENT
RICHARD J. WILLIS, P.E.
RWILLIS@TUFFSHED.COM
1777 S. HARRISON STREET
DENVER, COLORADO 80210
(303) 753-5853

SO # 2041860
EP # 22019
Customer: RAQUEL BARRIOS
Description: ACCESSORY BUILDING
Accessories: 10' x 10' x 8' FT
Site Address: 691 TARAWATT DR
LONGWOOD, FL 34228

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TUFF SHED
Storage Buildings & Garages
TUFF SHED, INC.
TAMPA, FL 33618
CONTRACTOR REG. #20230848
REGISTERED PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER

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