

UNINHABITED UTILITY SHED UP TO 12' WIDE x UP TO 24' LONG
SR600, TR700, PR

NOTES:

1. BUILDING CODE: FLORIDA BUILDING CODE, 8th EDITION (2023)
BUILDINGS ARE NOT FOR HIGH-VELOCITY HURRICANE ZONES (HVHZ)

2. DESIGN LOADING:

WIND SPEED: $V_{ult} = 155$
 $V_{asd} = 120$

EXPOSURE: C

ROOF LIVE LOAD: 20 PSF

FLOOR LIVE LOAD: 10 PSF

COMPONENT AND CLADDING: RISK CATEGORY: I

WIND PRESSURE (psf) (ASD VALUES)

WALL: 18/-29 PSF (ZONE 1)
18/-50 PSF (ZONE 2)
18/-74 PSF (ZONE 3)
31/-34 PSF (ZONE 4)
31/-42 PSF (ZONE 5)

HEADER NAILING:
HEADER TO STUD - 4-16d END NAIL DOUBLED HEADER
- 16d @ 16" STAGGERED FACE NAIL

NAILING:
REFER TO SHEET 2 FOR WALL AND ROOF SHEATHING NAILING.

MAX WALL HEIGHT FOR EACH SHED:

SR600 - 5'-8 1/4" (68 1/4")
TR700 - 6'-8 1/4" (80 1/4")
PR - 6'-8 1/4" (80 1/4")

SHED SIZE CHART		
WIDTH	PITCH	SIDEWALL HEIGHT
6'	4/12	5'-8 1/4"
8'	4/12	5'-8 1/4"
10'	4/12	5'-8 1/4"
12'	4/12	5'-8 1/4"
6'	4/12	5'-8 1/4"
8'	4/12	5'-8 1/4"
10'	4/12	5'-8 1/4"
12'	4/12	5'-8 1/4"

ROOF SHEATHING (7/16" OSB)

WIDTH	LENGTH	FIELD NAILING	EDGE NAILING
6'	6'-24'	8d NAILS @ 6" O.C.	8d NAILS @ 4" O.C.
8'	8'-24'	8d NAILS @ 6" O.C.	8d NAILS @ 4" O.C.
10'	10'-24'	8d NAILS @ 6" O.C.	8d NAILS @ 4" O.C.
12'	12'-24'	8d NAILS @ 6" O.C.	8d NAILS @ 4" O.C.

NOTES:
USE GALVANIZED 0.113"Øx2 3/8" RING SHANK NAILS OR 8d COMMON NAILS

3/8" SMARTSIDE NAILING REQUIREMENTS

7/16" OSB NAILING REQUIREMENTS		
SIDEWALL NAILING (MIN. 2'-0" RETURN EACH END)		
WIDTH	LENGTH	FIELD NAILING
6'	6'-24'	8d NAILS @ 6" O.C.
8'	8'-24'	8d NAILS @ 6" O.C.
10'	10'-24'	8d NAILS @ 6" O.C.
12'	12'-24'	8d NAILS @ 6" O.C.

3/8" SMARTSIDE NAILING REQUIREMENTS

7/16" OSB NAILING REQUIREMENTS		
END WALL NAILING (MIN. 2'-0" RETURN EACH END)		
WIDTH	LENGTH	FIELD NAILING
6'	6'-24'	8d NAILS @ 6" O.C.
8'	8'-24'	8d NAILS @ 6" O.C.
10'	10'-24'	8d NAILS @ 6" O.C.
12'	12'-24'	8d NAILS @ 6" O.C.

SIDING TABLE NOTES:

- NAILING IS FOR 3/8" SMARTSIDE PANEL, 3/8" SMARTSIDE WITH FOIL BACKER, 7/16" OSB, AND 7/16" OSB WITH FOIL BACKER.
- MINIMUM 2'-0" RETURN FROM EACH END OF EACH WALL.
- NO SINGLE OPENING GREATER THAN 8'-0".
- * 6" WIDE X 6'-9" LENGTH BUILDINGS ARE BASED ON 3-SIDED DIAPHRAGM. THE END WALL OPPOSITE OF THE OPENING MUST BE FULLY SHEATHED, IN THE 3-SIDED DIAPHRAGM CASES. THE END WALL WITH THE OPENING DOES NOT HAVE A MIN. RETURN WALL ON EACH SIDE OF THE OPENING.
- USE COMMON OR GALVANIZED BOX NAILS.
- ON THESE BUILDINGS 6' X 10' THE 3' DOOR IN THE END WALL WILL NEED TO BE OFF SET. THERE WILL BE A 2' PANEL ON ONE SIDE AND A 1' PANEL ON THE OTHER SIDE OF THE DOOR. THE WALL MUST BE SHEATHED WITH 7/16" OSB ON BOTH FACES.

FL PRODUCT APPROVALS

PRODUCT TYPE	MANUFACTURER	MODEL	FL PRODUCT #
SIDING (PANEL)	LP BUILDING SOLUTIONS	SIDING	FL9190.3
SIDING (LAP)	JAMES HARDIE BUILDING PRODUCTS, INC.	LAP	FL10477.1
SIDING (CEMENT)	JAMES HARDIE BUILDING PRODUCTS, INC.	CEMENT STUCCO	FL13223.2
IMPACT SLIDING WINDOW	ECO IMPACT SLIDER	IMPACT SLIDER	NOA 19-0219.08
SLIDING WINDOW	TAFCO CORP.	SLIDER	FL20743.1
TUFF SHED DOUBLE DOOR	TUFF SHED, INC.	SHED DOOR	FL22202.1
TUFF SHED SINGLE DOOR	TUFF SHED, INC.	SHED DOOR	FL22202.2
TUFF SHED SINGLE DOOR (HVHZ)	TUFF SHED, INC.	SHED DOOR	FL22202.3
TUFF SHED SINGLE DOOR (HVHZ)	TUFF SHED, INC.	SHED DOOR	FL22202.4
STEEL DOOR INSWING	JELD-WEN	6 PANEL/3068	FL11136.1
STEEL DOOR OUTSWING	JELD-WEN	6 PANEL/3068	FL11136.2
FULL LITE DOOR	JELD-WEN	EXTERIOR DOOR	FL17454.1
9 LITE DOOR INSWING	JELD-WEN	EXTERIOR DOOR	FL12509.2
9 LITE DOOR OUTSWING	JELD-WEN	EXTERIOR DOOR	FL12509.4
FLOOD VENTS	SMART VENT PRODUCTS, INC.	VENT	FL5822.6
RIDGE VENTS	GAF COBRA RIDGE RUNNER	RIDGE VENT	NOA 17-0822.06
RIDGE VENTS	GAF COBRA RIDGE VENT3	RIDGE VENT	FL6267.1
IMPACT RESISTANT OVERHEAD GARAGE DOOR	OVERHEAD GARAGE CORP.	GARAGE DOOR	FL14170.6
ROOF UNDERLAYMENT	GAF	FELTBUSTER	FL10626.1
ASPHALT SHINGLES	GAF	SHINGLES	FL10124.1

7. BUILDING SIZES BELOW REQUIRE SHEATHING ON BOTH SIDES OF WALL WITH

- OPENING (7/16" OSB ON INSIDE OF WALL):
6'X22'-24' WITH NO OPENING ON END WALL WITH 6' OF SHEAR
6'X14'-24' WITH 2' OF OPENING ON END WALL WITH 4' OF SHEAR
6'X10' WITH 3' OF OPENING ON END WALL WITH 2' OF SHEAR (SEE NOTE 6)
8'X20'-24' WITH 2' OF OPENING ON END WALL WITH 6' OF SHEAR
8'X18'-24' WITH 3' OF OPENING ON END WALL WITH 5' OF SHEAR
8'X14'-22' WITH 4' OF OPENING ON END WALL WITH 4' OF SHEAR
10'X24' WITH 3' OF OPENING ON END WALL WITH 7' OF SHEAR
10'X20'-24' WITH 4' OF OPENING ON END WALL WITH 6' OF SHEAR
10'X16'-24' WITH 5' OF OPENING ON END WALL WITH 5' OF SHEAR
10'X14'-24' WITH 6' OF OPENING ON END WALL WITH 4' OF SHEAR
12'X20'-24' WITH 5' OF OPENING ON END WALL WITH 7' OF SHEAR
12'X20'-24' WITH 6' OF OPENING ON END WALL WITH 6' OF SHEAR
12'X16'-24' WITH 7' OF OPENING ON END WALL WITH 5' OF SHEAR
12'X14'-24' WITH 8' OF OPENING ON END WALL WITH 4' OF SHEAR
THE END WALL OF 6' WIDE X 12'-24' LONG BUILDINGS MAY HAVE A SINGLE 2' OPENING CENTERED ON THE WALL.



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Storage Buildings & Garages

TUFF SHED, MFG. FACILITIES

Order #:

Customer:

Site Address:

Building Size: WIDTH x LENGTH x HEIGHT - SQ. FT. AREA

P.O. #

Drawn By: TB

Date: 11/30/23

Checked By:

Date:

Scale: N.T.S.

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TITLE

PROJECT NOTES

NAILING REQUIREMENTS

FBC, 8th EDITION (2023)

155C

DRAWING NO.

FL-PR-SR-TR-01

REV. LEVEL

01

SHEET

1

PAGE

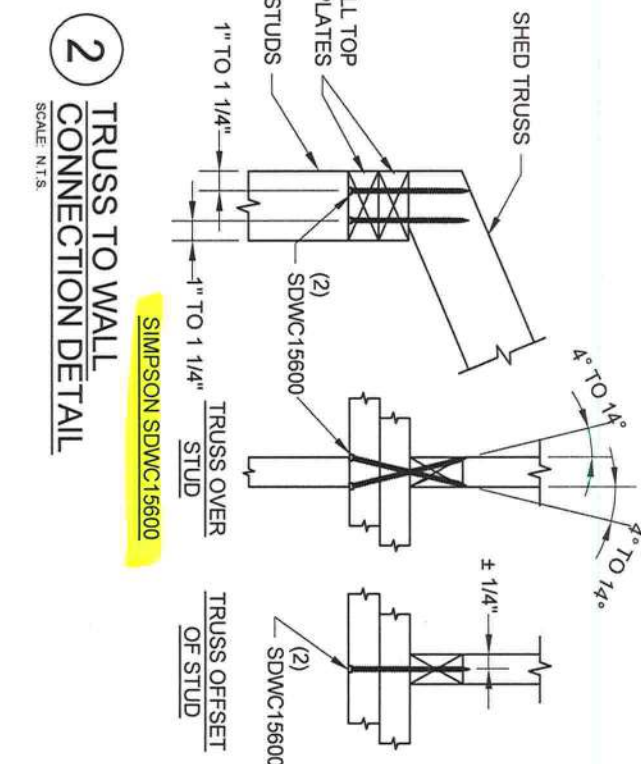
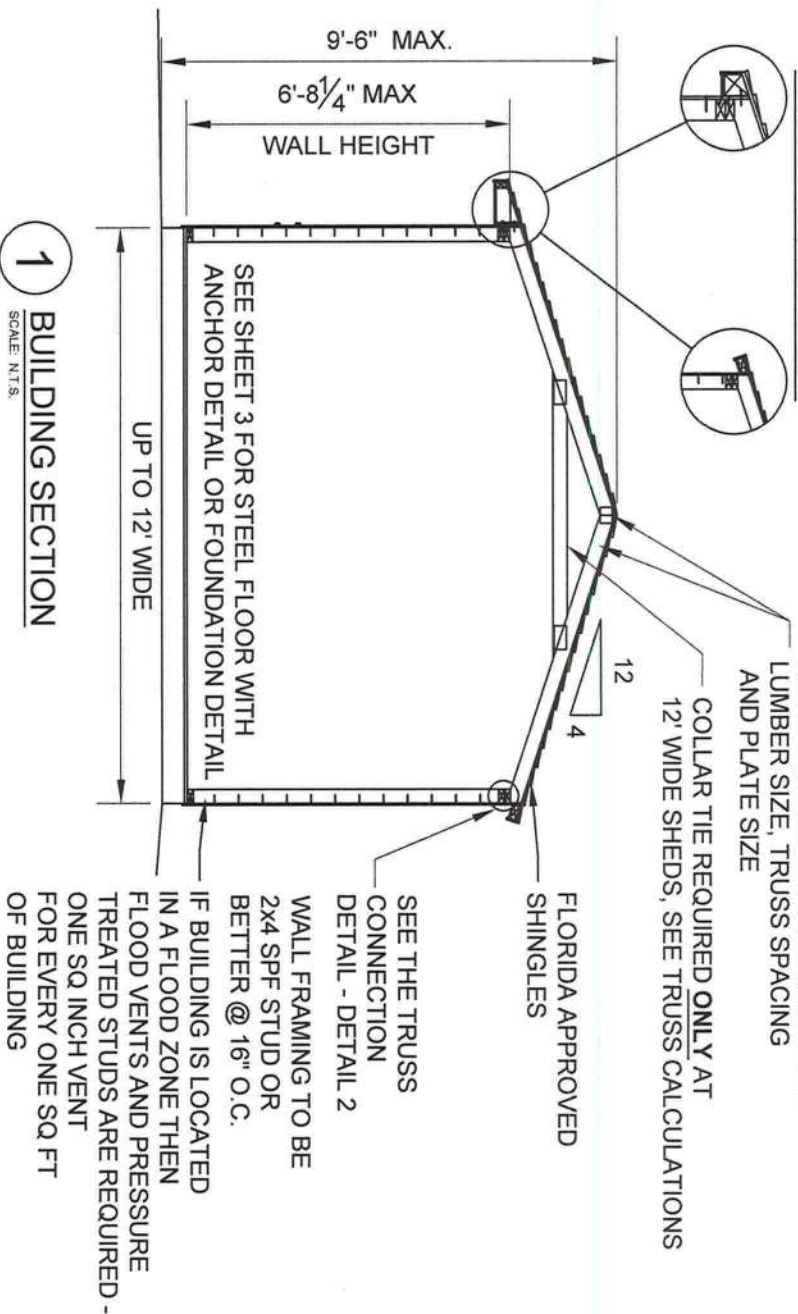
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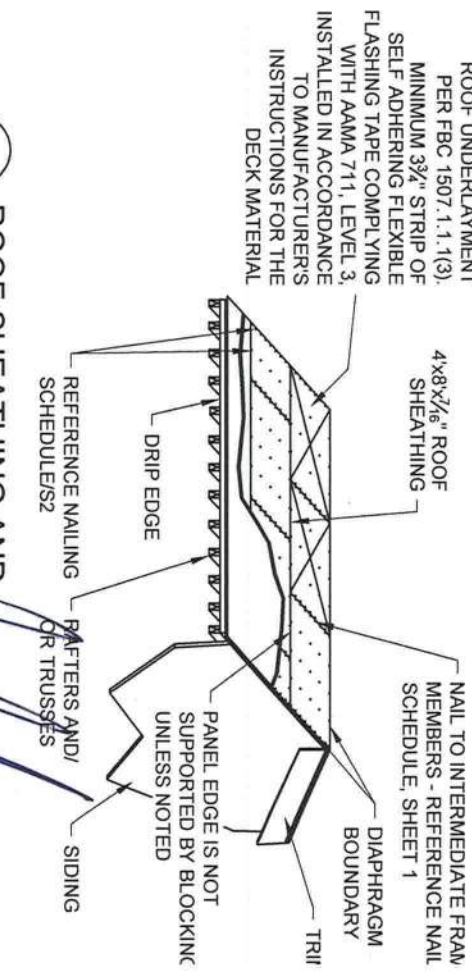
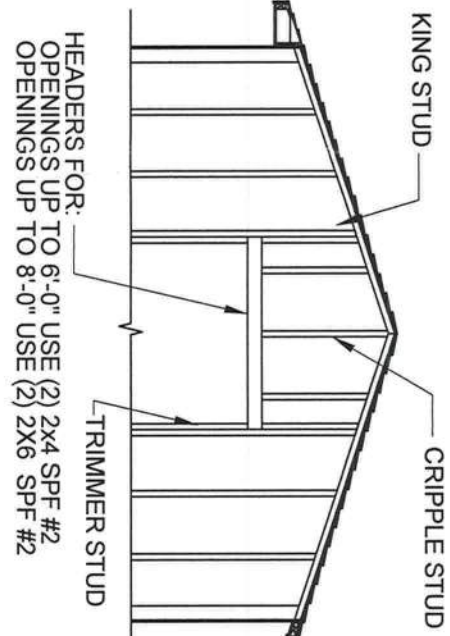
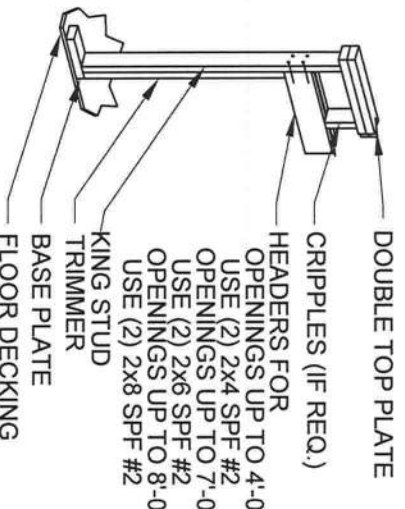
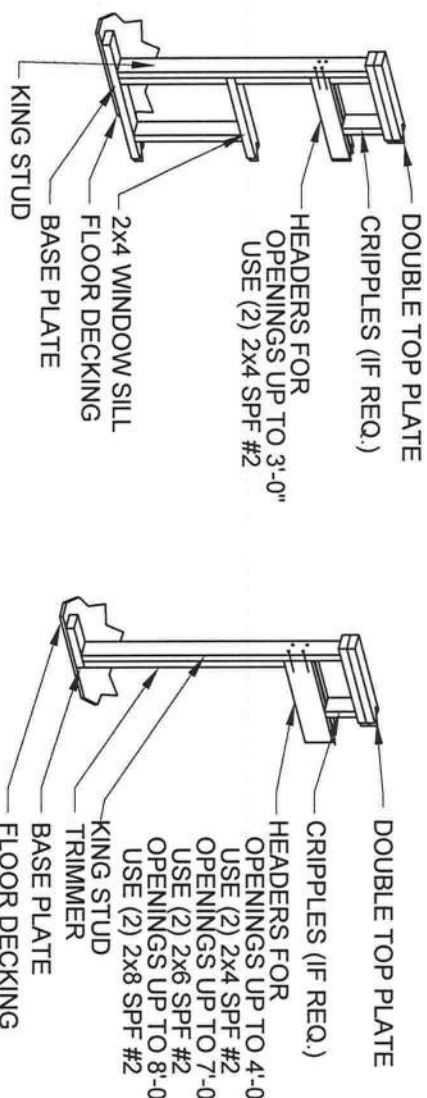
OVERHANG OPTIONS

REFER TO THE TRUSS DESIGN FOR LUMBER SIZE, TRUSS SPACING AND PLATE SIZE

COLLAR TIE REQUIRED ONLY AT 12' WIDE SHEDS, SEE TRUSS CALCULATIONS



SEE PROJECT NOTES FOR MATERIALS



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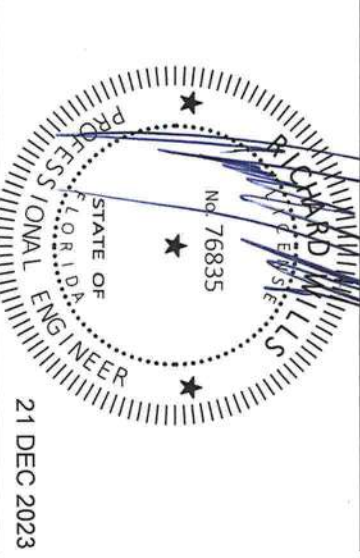
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Customer:	Drawn By: TB
Site Address:	Date: 11/30/23
	Checked By:
	Date:
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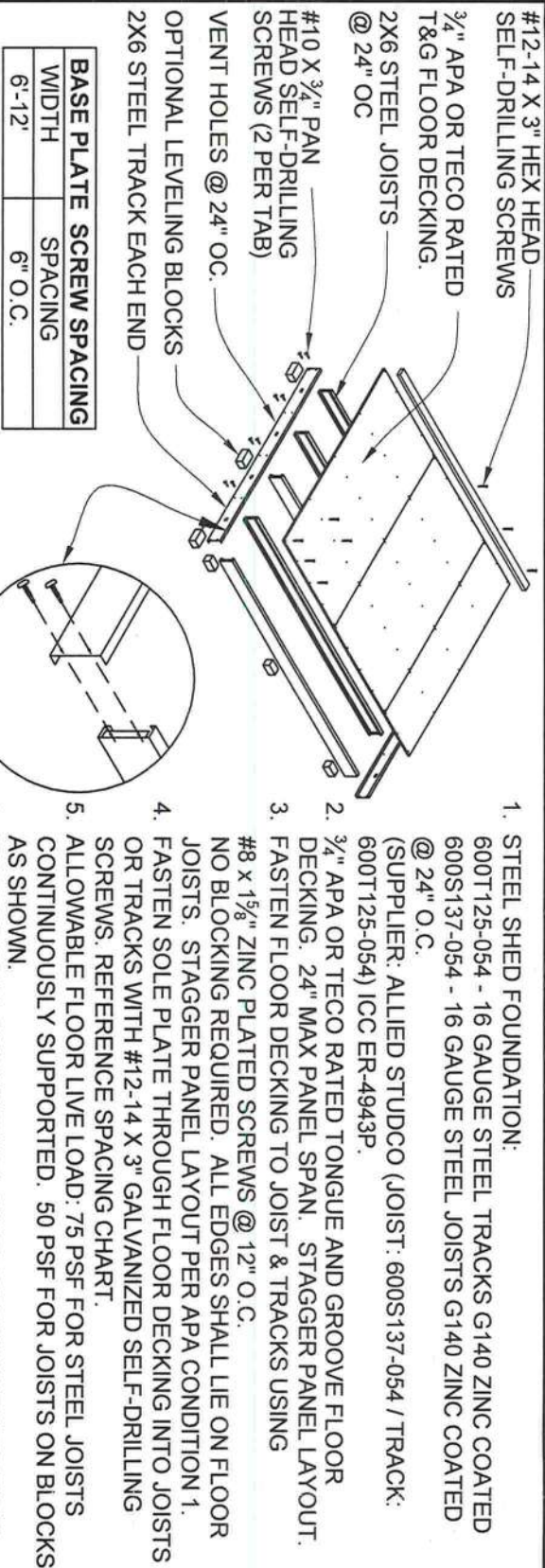
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TITLE
BUILDING SECTIONS
HEADER FRAMING DETAILS
FBC, 8th EDITION (2023)
155C

DRAWING NO.
FL-PR-SR-TR-01
REV. LEVEL 01
SHEET 2
PAGE 2 OF 4





1 OPTIONAL STEEL SHED BASE DETAIL
SCALE: N.T.S.

AUGER ANCHOR COMPONENTS BY OLIVER TECHNOLOGIES

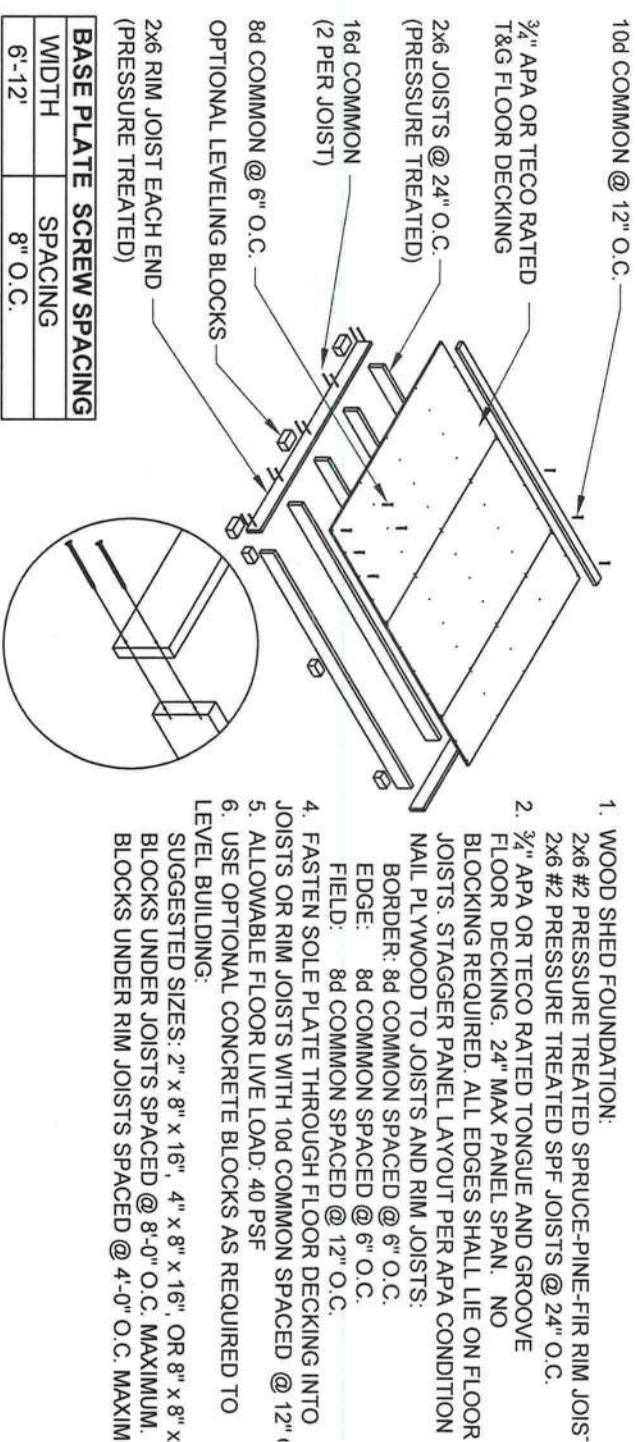
• PART NUMBERS:

OT3644GMP-5/8" X 36" (36" IMBED) GALVANIZED AUGER
OT17SWB - SIDEWALL BRACKET FOR USE WITH THRU BOLTS
REPORT NO. LO-FJ90129-A
-OR-
OT24SWBSIDEWALL BRACKET FOR USE WITH THRU BOLTS
REPORT NO. LO-FJ90129-B

• WORKING LOAD FOR ANCHOR SYSTEM IS 3,150 LBS
WITH THE MAXIMUM LOAD OF 5,080 LBS

AUGER ANCHORS			
WIDTH	LENGTH	# OF ANCHORS	
6'	6'-24'	4 ANCHORS	
8'	8'-18'	4 ANCHORS	
8'	20'-24'	6 ANCHORS	
10'	10'-14'	4 ANCHORS	
10'	16'-22'	6 ANCHORS	
10'	24'	8 ANCHORS	
12'	12'-18'	6 ANCHORS	
12'	20'-24'	8 ANCHORS	

4-ANCHORS PROVIDE (1) AT EA. CORNER OF THE BUILDING.
6-ANCHORS PROVIDE (1) AT EA. CORNERS OF THE BUILDING AND (1) AT THE CENTER OF EA. SIDE WALL.
8-ANCHORS PROVIDE (1) AT EA. CORNERS OF THE BUILDING AND (1) AT THE CENTER OF EACH WALL.



2 OPTIONAL WOOD SHED BASE DETAIL
SCALE: N.T.S.

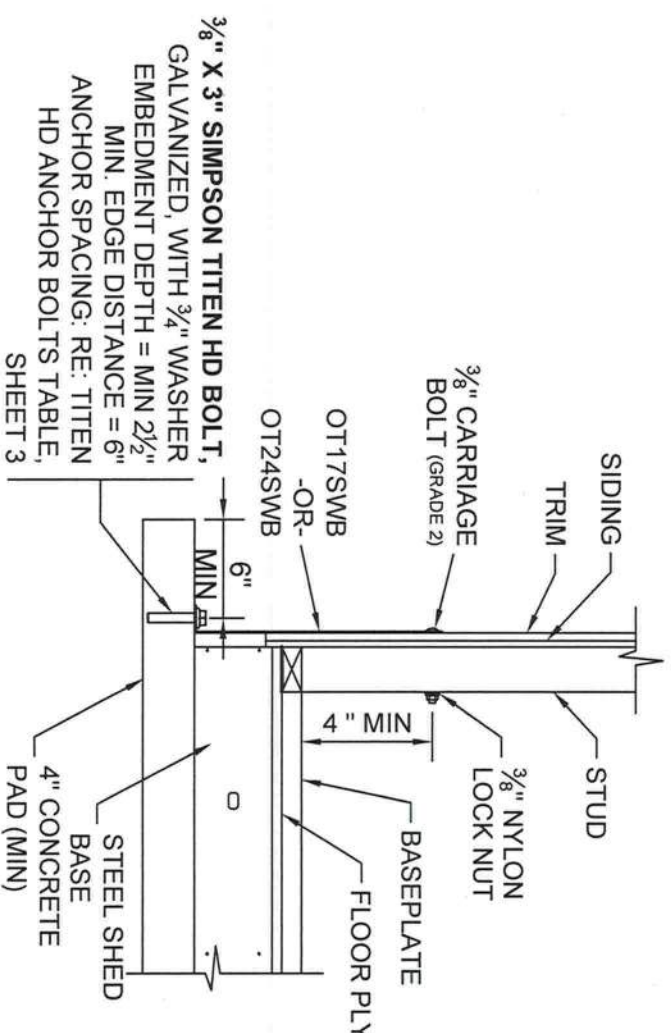
TITEN HD ANCHOR BOLTS
(INTO CONCRETE)
RE: DETAIL 3, SHEET 3

WIDTH	LENGTH	QTY
6'	6'-14'	4
6'	16'-20'	6
6'	22'-24'	8
8'	8'-10'	4
8'	12'-16'	6
8'	18'-22'	8
8'	24'	10
10'	10'-12'	6
10'	14'-16'	8
10'	18'-22'	10
10'	24'	12
12'	12'-14'	8
12'	16'-18'	10
12'	20'-24'	14

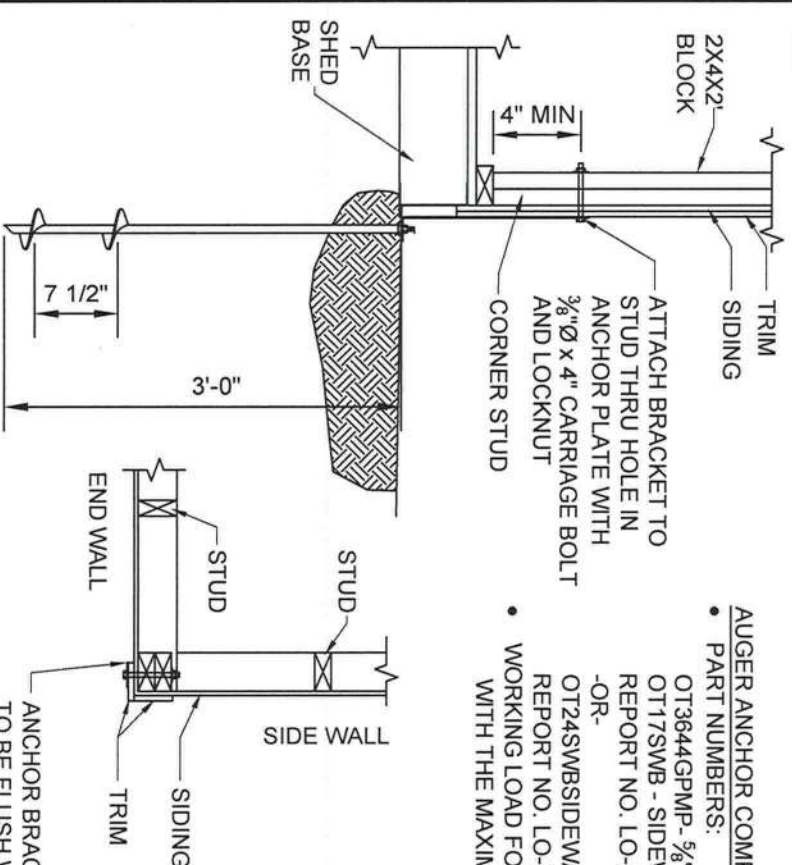
NOTES:

1. ANCHORS TO BE SIMPSON TITEN HD ANCHORS. ANCHORS MAY BE GALVANIZED OR STAINLESS STEEL.
2. PROVIDE (1) ANCHOR AT EA. CORNER OF THE BUILDING. THE REMAINING ANCHORS EQUALLY SPACED ALONG THE LENGTH OF THE BUILDING. REMAINING ANCHORS ON EACH LENGTH SIDE EQUAL SPACED).

4 OPTIONAL SIDEWALL BRACKET DETAIL
SCALE: N.T.S.



3 OPTIONAL AUGER ANCHOR DETAIL
SCALE: N.T.S.



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Customer:
Site Address:
Building Size: WIDTH • LENGTH • HEIGHT • SQ. FT. AREA

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TITLE
DETAILS

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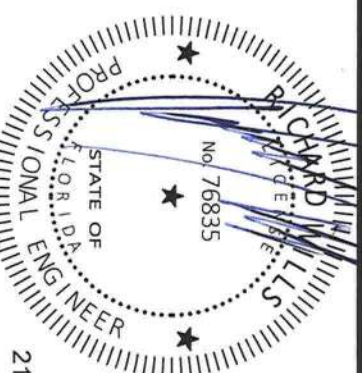
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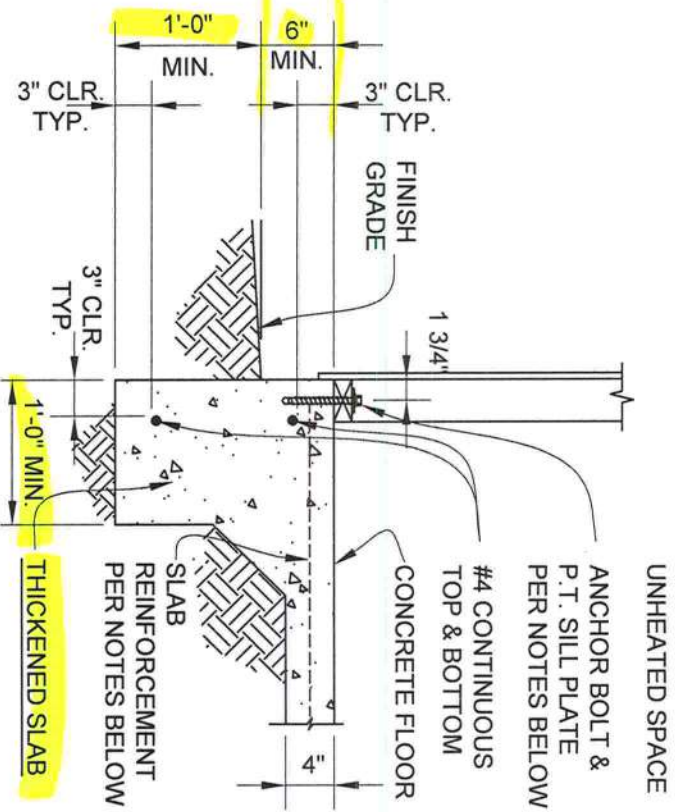
REV. LEVEL 01

SHEET 3

PAGE 3 OF 4

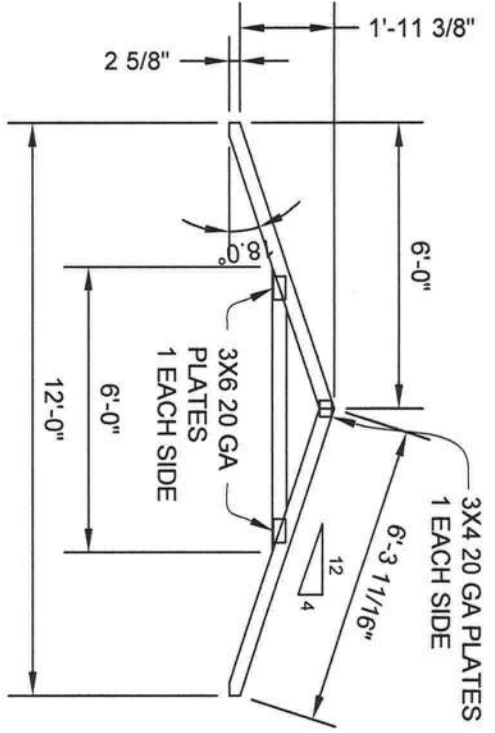
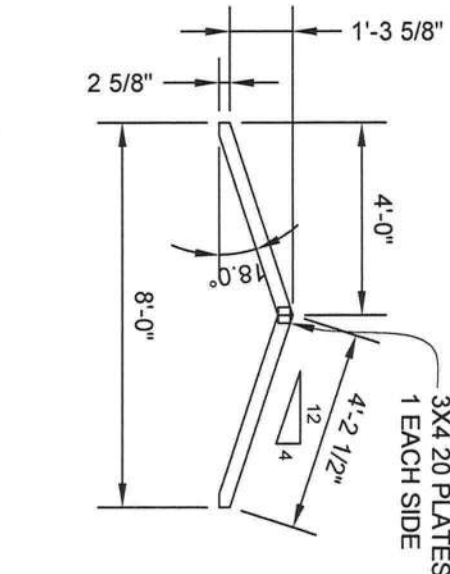
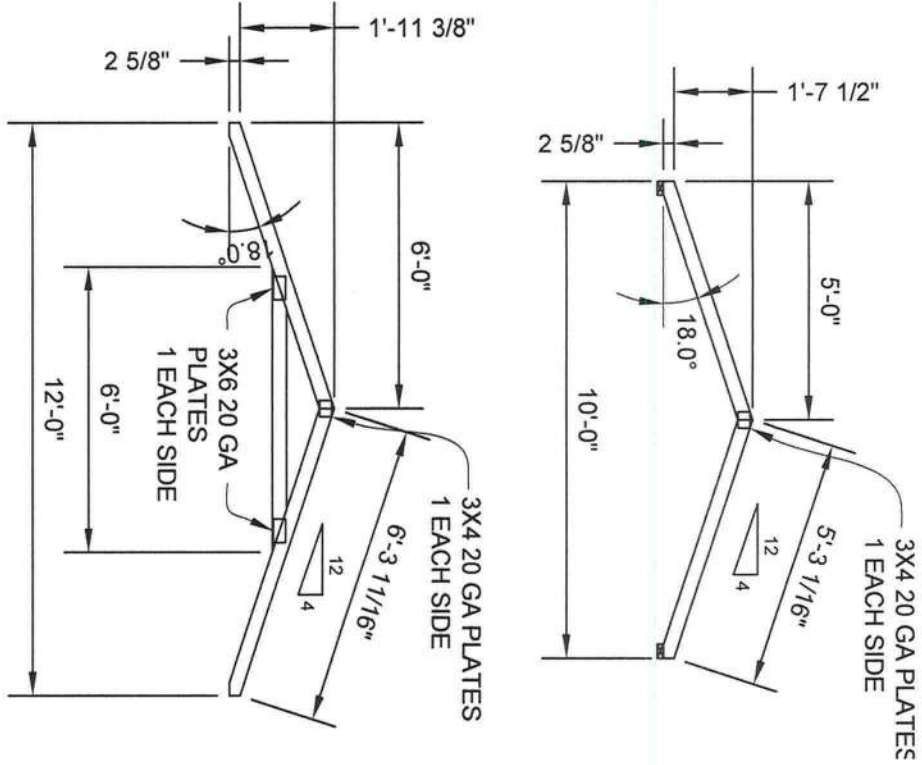
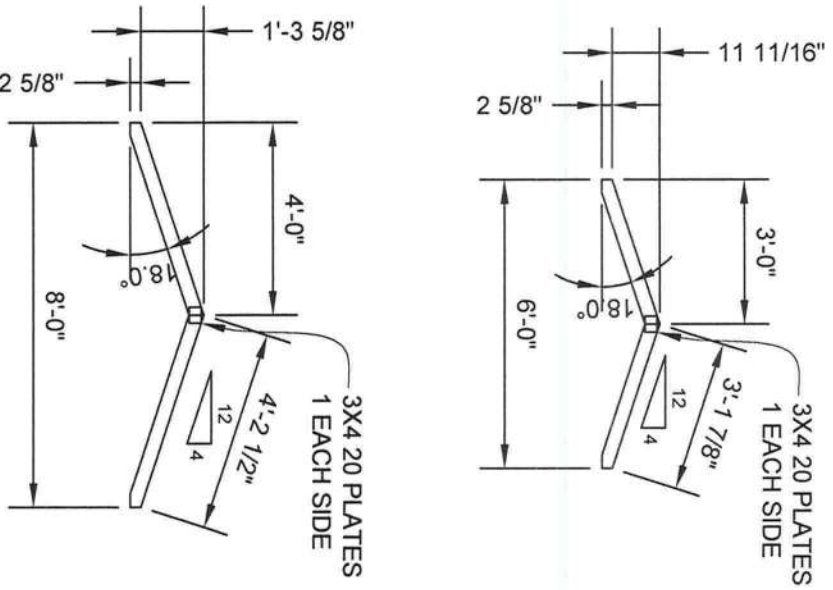


21 DEC 2023



- CONTINUOUS FOOTING NOTES
1. TOP OF SLAB TO BE 6" MIN. ABOVE GRADE. SLAB REINFORCEMENT SHALL BE WWF 6X6 W/ 4XW/ 4. LOCATE AT MID-DEPTH OF SLAB.
 - OR-
 - SLAB REINFORCEMENT SHALL BE FIBERMESH 150 OR BLENDED FIBERMESH150. FIBERMESH SHOULD BE DISPERSED UNIFORMLY THROUGH CONCRETE W/ MIN. 1 POUND PER CUBIC YARD OF CONCRETE. ALL FOOTING FORMS SHALL BE INSPECTED FOR SIZE AND REINFORCING BEFORE POURING CONCRETE.
 3. FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL, COMPETENT SOIL, OR PROPERLY COMPACTED STRUCTURAL FILL, ALLOWABLE SOIL BEARING PRESSURE IS 1000 PSF AT 12" BELOW GRADE.
 4. CONCRETE: MINIMUM 28 DAY COMPRESSIVE STRENGTH, $f_c = 2500$ PSI. REINFORCING STEEL: A615, GRADE 40 OR GRADE 60. ALL REINFORCING STEEL SHOWN TO BE CONTINUOUS MAY BE LAPPED A MINIMUM OF 38 BAR DIAMETERS OR 24" MINIMUM, WHICHEVER IS LARGER.
 6. SEISMIC DESIGN CATEGORY: A
 - A. ATTACH PRESSURE TREATED SOLE PLATE TO THE FOOTING USING $\frac{1}{2} \times 8$ " LONG SIMPSON TITEN HD ANCHOR WITH WASHERS.
 - B. EXPANSION BOLTS SHALL BE EMBEDDED AT LEAST 5" INTO THE CONCRETE AND SHALL BE SPACED NOT MORE THAN 6" OC.
 - C. THERE SHALL BE A MINIMUM OF 2 BOLTS PER SOLE PLATE PIECE WITH 1 BOLT LOCATED NOT MORE THAN 12" NOR LESS THAN 7 BOLT DIAMETERS FROM EACH END OF EACH PIECE.
- NOTE: FOR BUILDINGS 18' AND LONGER OR ANY BUILDING DESIGNED AS A 3-SIDED DIAPHRAGM, ADD SIMPSON SSTB6 ANCHORS AND HDU2 HOLD DOWNS AT EACH CORNER OF THE END WALLS. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.

1 OPTIONAL CONCRETE FOUNDATION DETAIL



DESIGN LOADS:
TOP CHORD LIVE LOAD = 20 PSF
TOP CHORD DEAD LOAD = 10 PSF
COLLAR TIE DEAD LOAD = 5 PSF

MAXIMUM DEFLECTION (12 FT. SPAN)
VERT LL: 0.06 in.
VERT TL: 0.08 in.

NOTES:
FBC, 8th EDITION (2023)
ANSI/TPI 1-2014
TRUSSES TO BE SPACED @ 24" OC
MATERIAL TO BE 2X4 SPRUCE PINE FIR GRADE #2 OR BETTER
PLATES ARE TO BE PRESSED IN THE WOOD PER TPI.

REP MEMBER INCREASE: YES
LUMBER D.O.L.: 1.25

WIND:
ASCE 7-16, 155 mph, Exposure C, D.O.L.=1.60
PLATES ARE MANUFACTURED BY EAGLE METAL PRODUCTS,
ICC-ES #ESR-1082.

6' SPAN
REACTIONS:
MAX. VERTICAL: 180 LBS.
MAX. UPLIFT: -160 LBS.

NOTE:
TRUSS MAY BE USED ON BUILDING LENGTHS UP TO 12FT UNLESS CEILING JOIST OR OTHER TENSION TIE IS PROVIDED.

8' SPAN
REACTIONS:
MAX. VERTICAL: 240 LBS.
MAX. UPLIFT: -195 LBS.

NOTE:
TRUSS MAY BE USED ON BUILDING LENGTHS UP TO 14FT UNLESS CEILING JOIST OR OTHER TENSION TIE IS PROVIDED.

10' SPAN
REACTIONS:
MAX. VERTICAL: 300 LBS.
MAX. UPLIFT: -250 LBS.

NOTE:
TRUSS MAY BE USED ON BUILDING LENGTHS UP TO 20FT UNLESS CEILING JOIST OR OTHER TENSION TIE IS PROVIDED.

12' SPAN
REACTIONS:
MAX. VERTICAL: 390 LBS.
MAX. UPLIFT: -290 LBS.

NOTE:
TRUSS MAY BE USED ON BUILDING LENGTHS UP TO 24FT UNLESS CEILING JOIST OR OTHER TENSION TIE IS PROVIDED.

ALL PERSONS FABRICATING, HANDLING, ERECTING OR INSTALLING THIS TRUSS ARE TO DO SO IN ACCORDANCE TO THE RECOMMENDATIONS OF THE LATEST VERSION OF THE BCSI.

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Storage Buildings & Garages
TUFF SHED, MFG. FACILITIES
8524 EAST COLONIAL DRIVE
ORLANDO, FL 32817
(888) 788-TUFF
STORE 520

Order #:
Customer:
Site Address:
Building Size: WIDTH • LENGTH • HEIGHT • SQ. FT. AREA

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TRUSS DETAILS
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155C

DRAWING NO.
FL-PR-SR-TR-01
REV. LEVEL 01
SHEET 4
PAGE 4 OF 4

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STATE OF FLORIDA
PROFESSIONAL ENGINEER
21 DEC 2023