

NOTES:

1. **BUILDING CODE:** FLORIDA BUILDING CODE, 7th EDITION (2020)
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
ROOF DEAD LOAD: 10 PSF
FLOOR LIVE LOAD: MIN. 50 PSF (SEE NOTE 5, DETAIL 1, SHEET 3)
RISK CATEGORY: I
COMPONENT AND CLADDING: ROOF: 18/-29 PSF (ZONE 1)
18/-50 PSF (ZONE 2)
18/-74 PSF (ZONE 3)
WALL: 31/-34 PSF (ZONE 4)
31/-42 PSF (ZONE 5)
(BASED ON 10 SQ FT)

SHED MANUFACTURER SHALL HAVE A LIST OF ALL REQUIRED PRODUCTS THAT NEED FLORIDA STATE APPROVAL AVAILABLE FOR 3RD PARTY INSPECTOR AND REVIEW BY E.O.R. FOR COMPLIANCE WITH WIND LOADS.



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:
TB800 - 7'-8 1/4" (92 1/4")
PPTB - 7'-8 1/4" (92 1/4")



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

P.O. #	_____
Drawn By:	SJ
Date:	1/7/15
Checked By:	_____
Date:	_____
Scale:	N.T.S.

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TUFF SHED, INC.
ENGINEERING DEPARTMENT

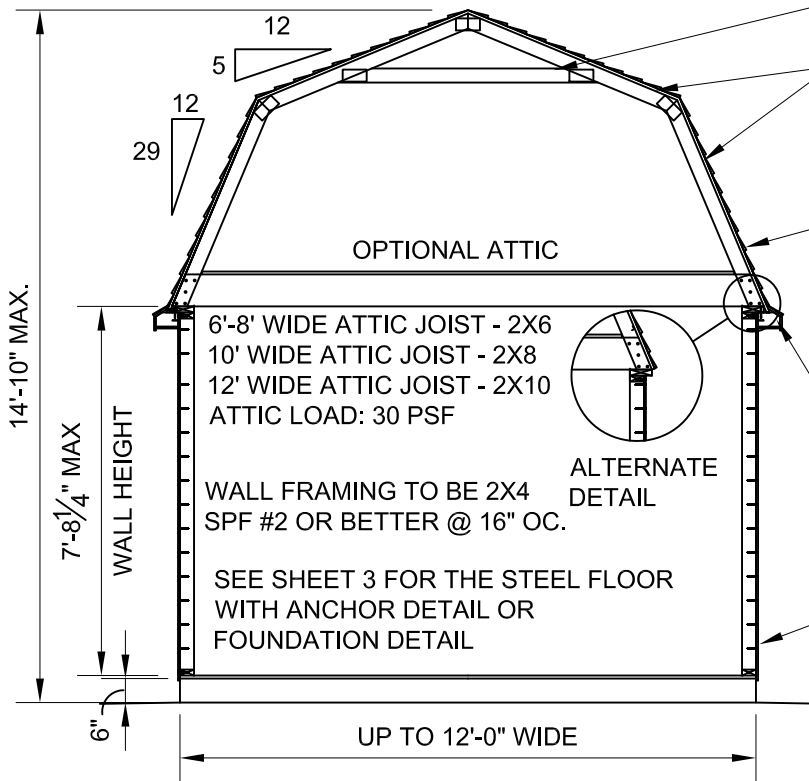
RICHARD J. WILLS, P.E.
RWILLS@TUFFSHED.COM
1777 S. HARRISON STREET
DENVER, COLORADO 80210
(303) 753-8833 EXT. 96315

TITLE
BUILDING SECTIONS
HEADER FRAMING DETAILS
FBC, 7th EDITION (2020)
155C

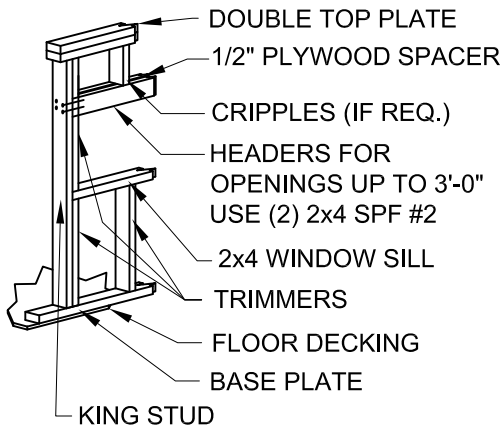
DRAWING NO.	FL-PPTB-TB800-01
REV. LEVEL	01
SHEET	1
SHEET 1 OF 4	

UNINHABITED UTILITY BARN SHED UP TO 12' WIDE x UP TO 24' LONG

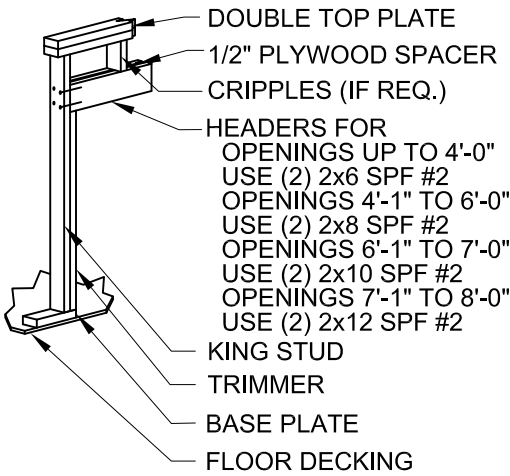
PPTB, TB800



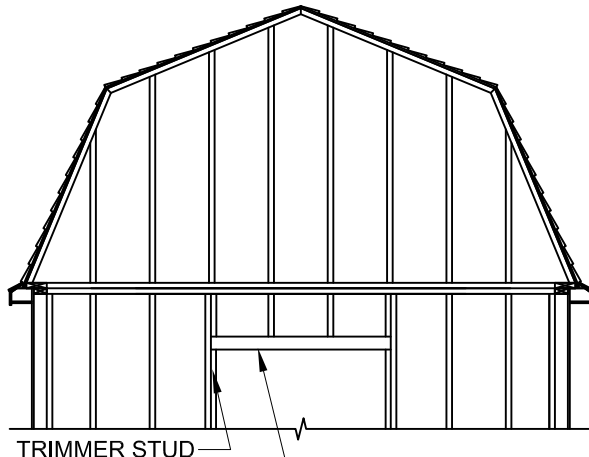
1 BUILDING SECTION
SCALE: N.T.S.



3A WINDOW HEADER DETAIL FOR SIDE WALLS
SCALE: N.T.S.



3B DOOR HEADER DETAIL FOR SIDE WALLS
SCALE: N.T.S.



HEADERS FOR:
OPENINGS UP TO 6'-0" USE (2) 2x4 SPF #2
OPENINGS 6'-1" TO 8'-0" USE (2) 2x6 SPF #2

REFER TO THE DOOR DETAIL (SHEET 2) FOR THE DOOR DESIGN

4 HEADER DETAIL FOR END WALLS
SCALE: N.T.S.

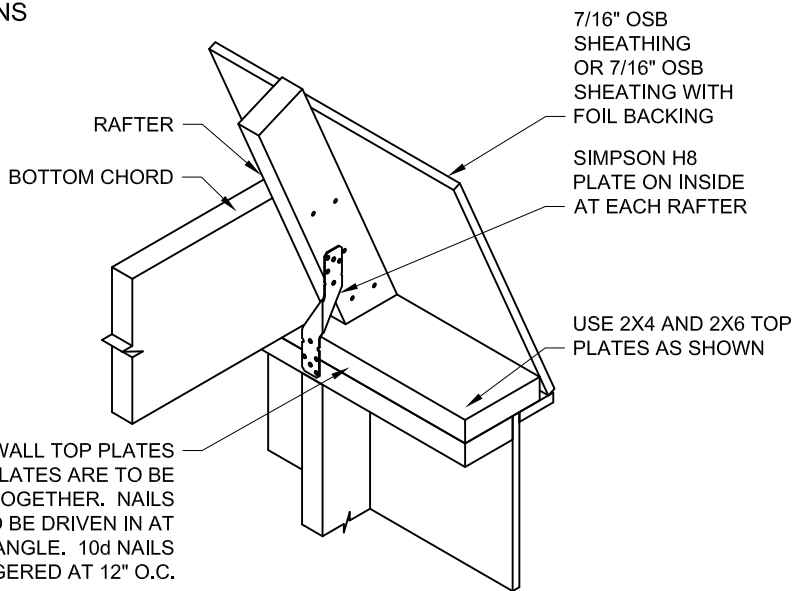
COLLAR TIE REQUIRED **ONLY** AT 12' WIDE SHEDS, SEE TRUSS CALCULATIONS

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

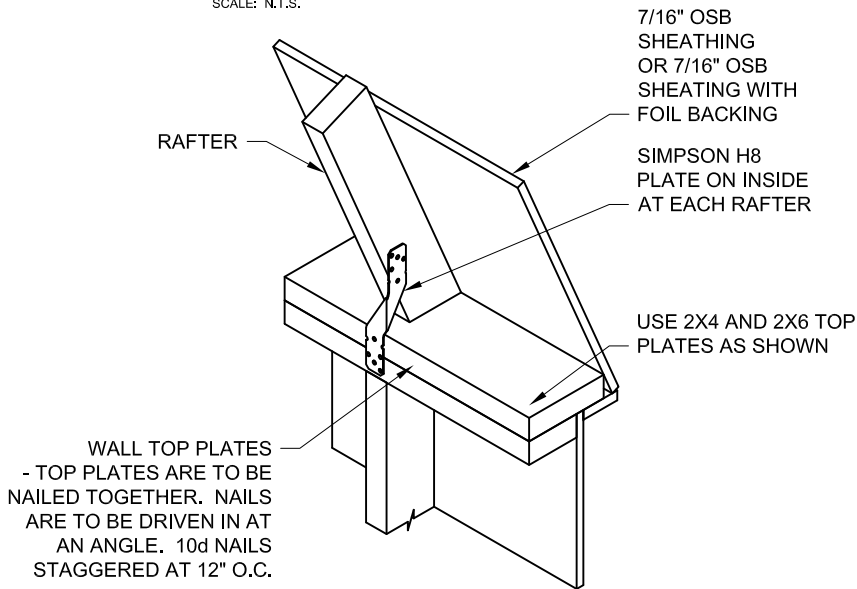
FLORIDA APPROVED OWENS CORNING OAKRIDGE 30 YEAR SHINGLES - FL10674.1-R12
-OR-
FLORIDA APPROVED THOMPSON ARCHITECTURAL METALS CO. METAL ROOFING - FL5218.1-R2

SEE THE TRUSS TO WALL CONNECTION DETAILS - DETAIL 2 OR 5

IF BUILDING IS LOCATED IN A FLOOD ZONE THEN FLOOD VENTS AND PRESSURE TREATED STUDS ARE REQUIRED
- ONE SQ INCH VENT FOR EVERY ONE SQ FT OF BUILDING



2 TRUSS TO WALL CONNECTION DETAIL
SCALE: N.T.S.



5 TRUSS TO WALL CONNECTION DETAIL
SCALE: N.T.S.

3/8 SMART SIDE NAILING REQUIREMENTS

USE THESE NAILING TABLES FOR THE PPTB, TB700 AND TB800 DRAWINGS

SIDE WALL EDGE NAILING REQUIREMENTS						END WALL EDGE NAILING REQUIREMENTS					
MARK WALLS BEING USED	END WALL WIDTH	SIDE WALL LENGTH	EDGE NAILING	MAX. COMB. OPENING (NOTE 2)	MIN TOTAL COMBINED SHEAR WALL	MARK WALLS BEING USED	END WALL WIDTH	SIDE WALL LENGTH	EDGE NAILING	MAX. COMB. OPENING	MIN TOTAL COMBINED SHEAR WALL
NO OPENINGS ALONG THE WALL						NO OPENINGS ALONG THE WALL					
	6'	6'-16'	8d NAILS @ 6" O.C.	0'	6'-16'		6'	6'-8'	8d NAILS @ 6" O.C.	0'	6'
	8'	8'-20'	8d NAILS @ 6" O.C.	0'	8'-20'		6'	10'-12'	8d NAILS @ 4" O.C.	0'	6'
	10'	10'-24'	8d NAILS @ 6" O.C.	0'	10'-24'		6'	14'-16'	8d NAILS @ 3" O.C.	0'	6'
	12'	12'-24'	8d NAILS @ 6" O.C.	0'	12'-24'		8'	8'-10'	8d NAILS @ 6" O.C.	0'	8'
■ MIN 2'-4" RTN WALLS ON EACH END OF WALL- ■MIN 2'-4" WALL SEGMENT							8'	12'-16'	8d NAILS @ 4" O.C.	0'	8'
	6'	6'-16'	8d NAILS @ 6" O.C.	UP TO 12'	5'		8'	18'-20'	8d NAILS @ 3" O.C.	0'	8'
	8'	8'-20'	8d NAILS @ 6" O.C.	UP TO 12'	6'		10'	10'-12'	8d NAILS @ 6" O.C.	0'	10'
	10'	10'-24'	8d NAILS @ 6" O.C.	UP TO 12'	8'		10'	14'-18'	8d NAILS @ 4" O.C.	0'	10'
	10'	10'-24'	8d NAILS @ 4" O.C.	UP TO 12'	6'		10'	20'-24'	8d NAILS @ 3" O.C.	0'	10'
	12'	12'-24'	8d NAILS @ 6" O.C.	UP TO 12'	10'		12'	12'-14'	8d NAILS @ 6" O.C.	0'	12'
	12'	12'-24'	8d NAILS @ 4" O.C.	UP TO 12'	7'		12'	16'-22'	8d NAILS @ 4" O.C.	0'	12'
	12'	12'-24'	8d NAILS @ 3" O.C.	UP TO 12'	6'		12'	24'	8d NAILS @ 3" O.C.	0'	12'
■ MIN 2'-4" RTN WALLS ON EACH END OF WALL- ■MIN 2'-4" WALL SEGMENT											
	6'	6'-8'	8d NAILS @ 3" O.C.	3'	SEE NOTE 3		6'	6'-8'	8d NAILS @ 3" O.C.	3'	SEE NOTE 3
	6'	10'	8d NAILS @ 3" O.C. (BS)	3'	2'-6" (RE: NOTE 6)		6'	10'	8d NAILS @ 3" O.C. (BS)	3'	2'-6" (RE: NOTE 6)
	8'	8'-10'	8d NAILS @ 4" O.C.	3'	5'		8'	8'-10'	8d NAILS @ 4" O.C.	3'	5'
	8'	12'	8d NAILS @ 3" O.C.	3'	5'		8'	12'	8d NAILS @ 3" O.C.	3'	5'
	8'	14'-20'	8d NAILS @ 4" O.C. (BS)	3'	5'		8'	14'-20'	8d NAILS @ 4" O.C. (BS)	3'	5'
	8'	8'	8d NAILS @ 4" O.C.	4'	4'		8'	8'	8d NAILS @ 4" O.C.	4'	4'
	8'	10'	8d NAILS @ 3" O.C.	4'	4'		8'	10'	8d NAILS @ 3" O.C.	4'	4'
	10'	10'-12'	8d NAILS @ 4" O.C.	3'	7'		10'	10'-12'	8d NAILS @ 4" O.C.	3'	7'
	10'	14'-16'	8d NAILS @ 3" O.C.	3'	7'		10'	14'-16'	8d NAILS @ 3" O.C.	3'	7'
	10'	20'-24'	8d NAILS @ 4" O.C. (BS)	3'	7'		10'	20'-24'	8d NAILS @ 4" O.C. (BS)	3'	7'
	10'	10'	8d NAILS @ 4" O.C.	4'	6'		10'	10'	8d NAILS @ 4" O.C.	4'	6'
	10'	12'-14'	8d NAILS @ 3" O.C.	4'	6'		10'	12'-14'	8d NAILS @ 3" O.C.	4'	6'
	10'	16'-24'	8d NAILS @ 3" O.C. (BS)	4'	6'		10'	16'-24'	8d NAILS @ 3" O.C. (BS)	4'	6'
	10'	10'-12'	8d NAILS @ 3" O.C.	5'	5'		10'	10'-12'	8d NAILS @ 3" O.C.	5'	5'
	10'	14'-24'	8d NAILS @ 3" O.C. (BS)	5'	5'		10'	14'-24'	8d NAILS @ 3" O.C. (BS)	5'	5'
	10'	10'	8d NAILS @ 3" O.C.	6'	4'		10'	10'	8d NAILS @ 3" O.C.	6'	4'
	10'	12'-20'	8d NAILS @ 3" O.C. (BS)	6'	4'		10'	12'-20'	8d NAILS @ 3" O.C. (BS)	6'	4'
	12'	12'-14'	8d NAILS @ 4" O.C.	4'	8'		12'	12'-14'	8d NAILS @ 4" O.C.	4'	8'
	12'	16'-18'	8d NAILS @ 3" O.C.	4'	8'		12'	16'-18'	8d NAILS @ 3" O.C.	4'	8'
	12'	20'-24'	8d NAILS @ 4" O.C. (BS)	4'	8'		12'	20'-24'	8d NAILS @ 4" O.C. (BS)	4'	8'
	12'	12'-14'	8d NAILS @ 3" O.C.	6'	6'		12'	12'-14'	8d NAILS @ 3" O.C.	6'	6'
	12'	16'-24'	8d NAILS @ 3" O.C. (BS)	6'	6'		12'	16'-24'	8d NAILS @ 3" O.C. (BS)	6'	6'

NOTES:
1. USE 8d COMMON OR GALVANIZED BOX NAILS.

TABLE NOTES:

1. NAILING IS FOR 3/8" SMARTSIDE PANEL OR 3/8" SMARTSIDE WITH FOIL BACKER.
2. NO SINGLE OPENING GREATER THAN 8'-0"
3. * 6' WIDE X 6'-8' 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.
4. USE COMMON OR GALVANIZED BOX NAILS.
5. FIELD NAILING FOR 3/8" SMARTSIDE: 8d @ 12" O.C.
6. ON THESE BUILDINGS 6' X 9'-12' THE 3' DOOR IN THE END WALL WILL NEED TO BE OFF SET. THERE WILL BE A 2'-6" PANEL ON ONE SIDE AND A 6" PANEL ON THE OTHER SIDE OF THE DOOR.
7. (BS) - DESIGNATES WALLS THAT NEED TO BE SHEATHED ON BOTH SIDES.

TUFF SHED

Storage Buildings & Garages

TUFF SHED, MFG. FACILITIES



Order #. _____

Customer: _____

Site Address: _____

Building Size:WIDTH • LENGTH • HEIGHT • SQ. FT. AREA

P.O. #

Drawn By: SJ

Date: 1/7/15

Checked By:

Date:

Scale: N.T.S.

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TITLE

DOOR DETAILS

NAILING REQUIREMENTS

FBC, 7th EDITION (2020)

155C

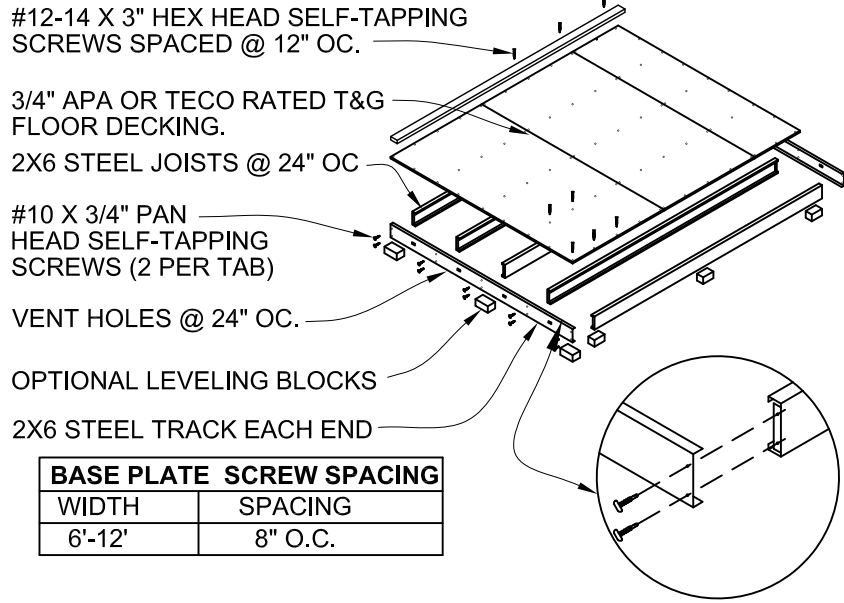
DRAWING NO.

FL-PPTB-TB800-01

REV. LEVEL 01

SHEET 2

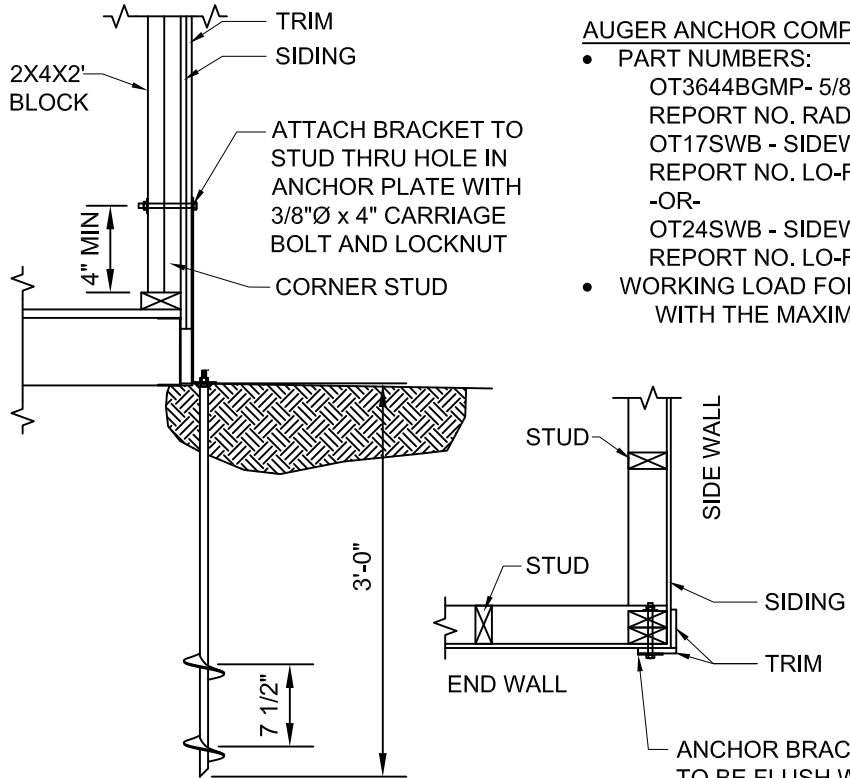
SHEET 2 OF 4



BASE PLATE SCREW SPACING	
WIDTH	SPACING
6'-12'	8" O.C.

1. STEEL SHED FOUNDATION:
600T125-54 - 16 GAUGE STEEL TRACKS G140 ZINC COATED
600S137-54 - 16 GAUGE STEEL JOISTS G140 ZINC COATED @ 24" O.C.
(SUPPLIER: ALLIED STUDCO (JOIST: 600S137-054 / TRACK: 600T125-054) ICC ER-4943P.
2. 3/4" APA OR TECO RATED TONGUE AND GROOVE FLOOR DECKING. 24" MAX PANEL SPAN. STAGGER PANEL LAYOUT.
3. FASTEN FLOOR DECKING TO JOIST & TRACKS USING #8 x 1-5/8" ZINC PLATED SCREWS @ 12" O.C. NO BLOCKING REQUIRED. ALL EDGES SHALL LIE ON FLOOR JOISTS. STAGGER PANEL LAYOUT PER APA CONDITION 1.
4. FASTEN SOLE PLATE THROUGH FLOOR DECKING INTO JOISTS OR TRACKS WITH #12-14 X 3" GALVANIZED SELF-DRILLING SCREWS @ 12" O.C.
5. ALLOWABLE FLOOR LIVE LOAD: 75 PSF FOR STEEL JOISTS CONTINUOUSLY SUPPORTED. 50 PSF FOR JOISTS ON BLOCKS AS SHOWN.
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 @ 7'-0" O.C. MAXIMUM.
BLOCKS UNDER TRACK SPACED @ 4'-0" O.C. MAXIMUM.

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

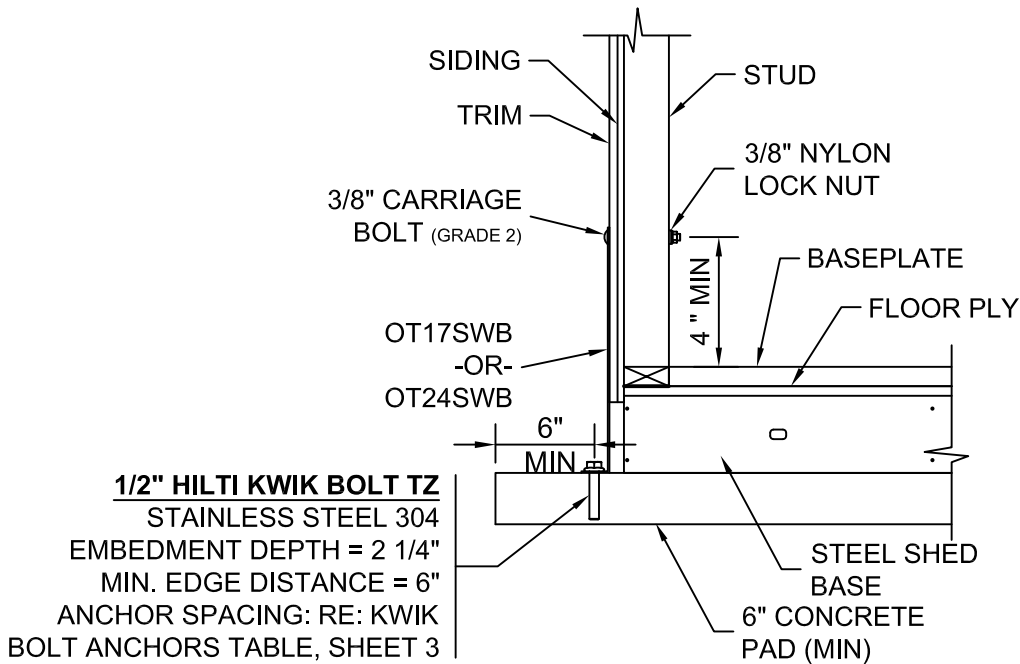


- AUGER ANCHOR COMPONENTS BY OLIVER TECHNOLOGIES**
- PART NUMBERS:
OT3644BGMP- 5/8" X 36" (36" IMBED) GALVANIZED AUGER REPORT NO. RAD-3060
OT17SWB - SIDEWALL BRACKET FOR USE WITH THRU BOLTS REPORT NO. LO-FJ90129-A
-OR-
OT24SWB - SIDEWALL BRACKET FOR USE WITH THRU BOLTS REPORT NO. LO-FJ90129-B
 - WORKING LOAD FOR ANCHOR SYSTEM IS 3,150 LBS WITH THE MAXIMUM LOAD OF 4,725 LBS

AUGER ANCHORS		
WIDTH	LENGTH	# OF ANCHORS
6'	6'-18'	4 ANCHORS
8'	8'-24'	4 ANCHORS
10'	10'-24'	6 ANCHORS
12'	12'-24'	6 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.

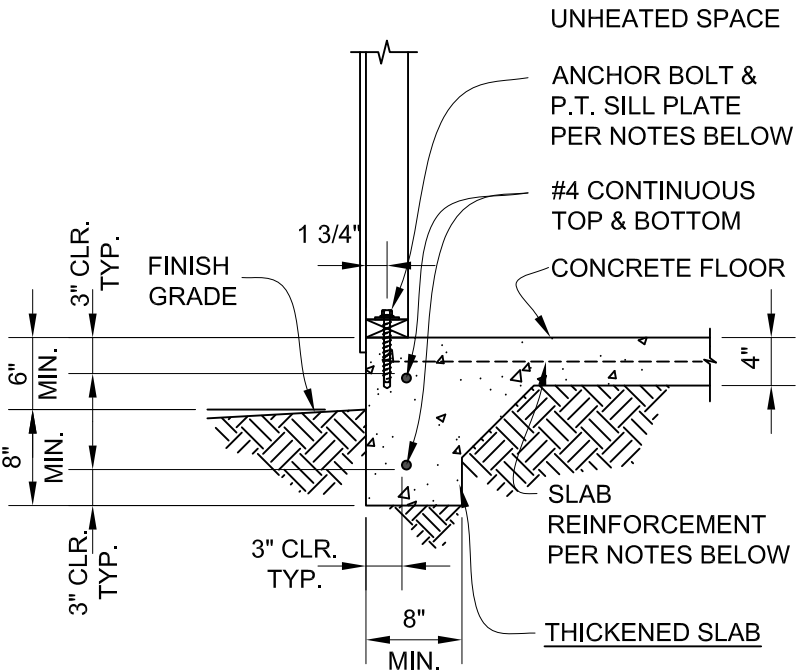
2 AUGER ANCHOR DETAIL
SCALE: N.T.S.



KWIK BOLT ANCHORS (INTO CONCRETE) RE: DETAIL 3 SHEET 3		
WIDTH	LENGTH	QTY
6'	6'-10'	6
6'	12'-16'	8
8'	8'-14'	6
8'	16'-22'	8
10'	10'-16'	6
10'	18'-24'	8
12'	12'-18'	6
12'	20'-24'	8

- NOTES:
1. ANCHORS TO BE KWIK BOLT TZ, 304 SS
 2. PROVIDE (1) ANCHOR AT EA. CORNER OF THE BUILDING. THE REMAINING ANCHORS EQUALLY SPACED ALONG THE LENGTH OF THE BUILDING. (1/2 THE REMAINING ANCHORS ON EA. LENGTH SIDE EQUALLY SPACED).

3 SIDEWALL BRACKET DETAIL
SCALE: N.T.S.



- CONTINUOUS FOOTING NOTES
1. TOP OF SLAB TO BE 6" MIN. ABOVE GRADE. SLAB REINFORCEMENT SHALL BE WWF 6X6 W1.4xW1.4 . 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. BEFORE POURING CONCRETE.
 2. 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.
 5. 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: B
A. ATTACH PRESSURE TREATED SOLE PLATE TO THE FOOTING USING 1/2" DIA X 7" LONG SIMPSON TITEN 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.

4 CONCRETE FOUNDATION DETAIL
SCALE: N.T.S.



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

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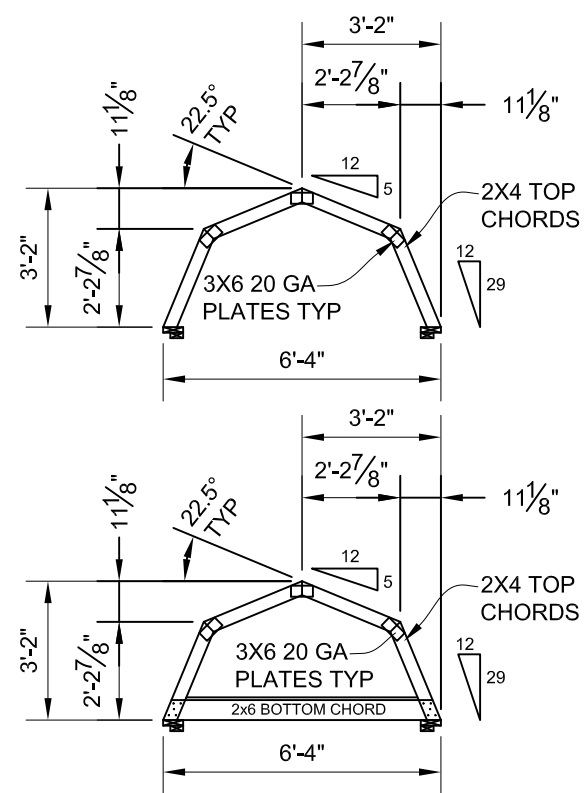
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TITLE
DETAILS
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155C

DRAWING NO.
FL-PPTB-TB800-01
REV. LEVEL 01
SHEET 3
SHEET 3 OF 4

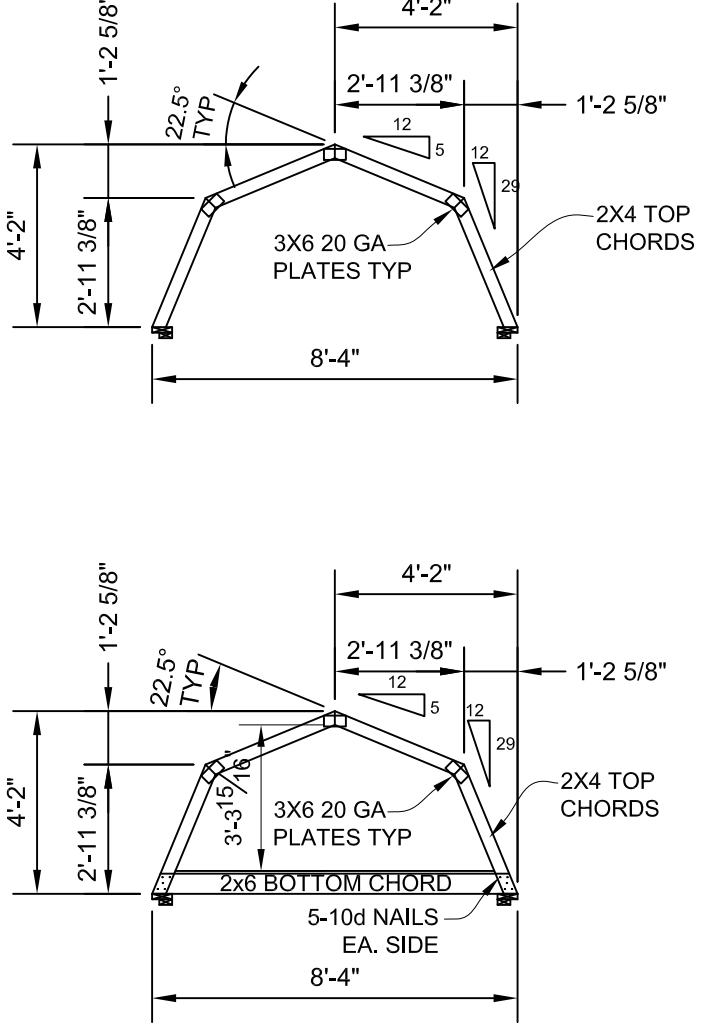


DESIGN LOADS:
TOP CHORD LIVE LOAD = 20 PSF
TOP CHORD DEAD LOAD = 10 PSF
COLLAR TIE DEAD LOAD = 5 PSF

NOTES:
FBC, 7th EDITION (2020)
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.

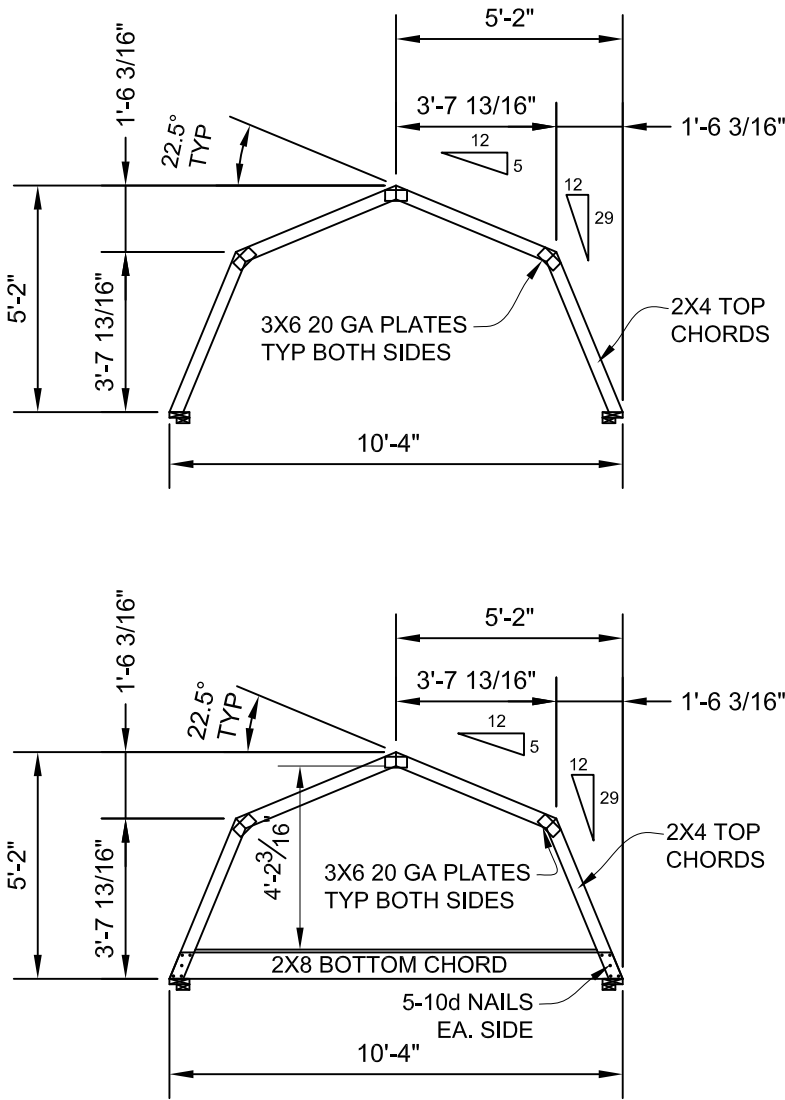
REP MEMBER INCREASE: YES
LUMBER D.O.L.: 1.25

WIND:
ASCE 7-16, 155 mph, Exposure C, D.O.L.=1.60



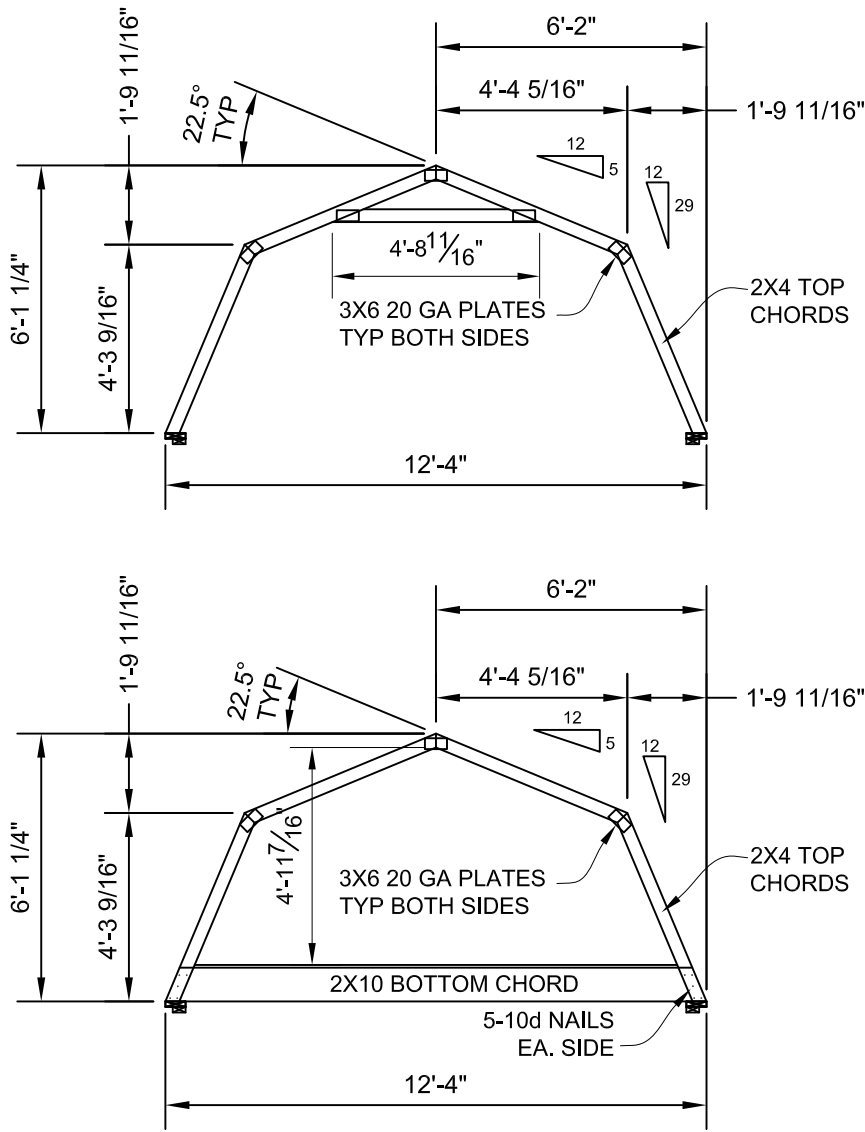
6' SPAN
REACTIONS:
MAX. VERTICAL: 415 LBS.
MAX. UPLIFT: -175 LBS.

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: 255 LBS.
MAX. UPLIFT: -195 LBS.

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



10' SPAN
REACTIONS:
MAX. VERTICAL: 510 LBS.
MAX. UPLIFT: -250 LBS.

NOTE:
TRUSS MAY BE USED ON BUILDING LENGTHS
UP TO 16FT UNLESS CEILING JOIST OR OTHER
TENSION TIE IS PROVIDED.

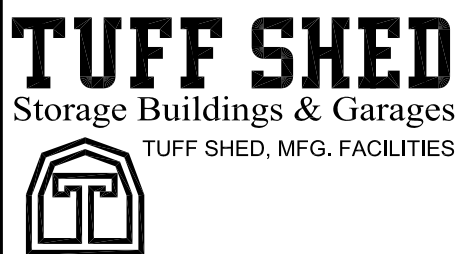
12' SPAN
REACTIONS:
MAX. VERTICAL: 630 LBS.
MAX. UPLIFT: -285 LBS.

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

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

PLATES ARE MANUFACTURED BY EAGLE METAL
PRODUCTS, ICC-ES #ESR-1082.

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.



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

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(303) 753-8833 EXT. 96315

TITLE

TRUSS DETAILS

FBC, 7th EDITION (2020)

155C

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