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

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: WIND PRESSURE (psf) (ASD VALUES) (BASED ON 10 SQ FT)

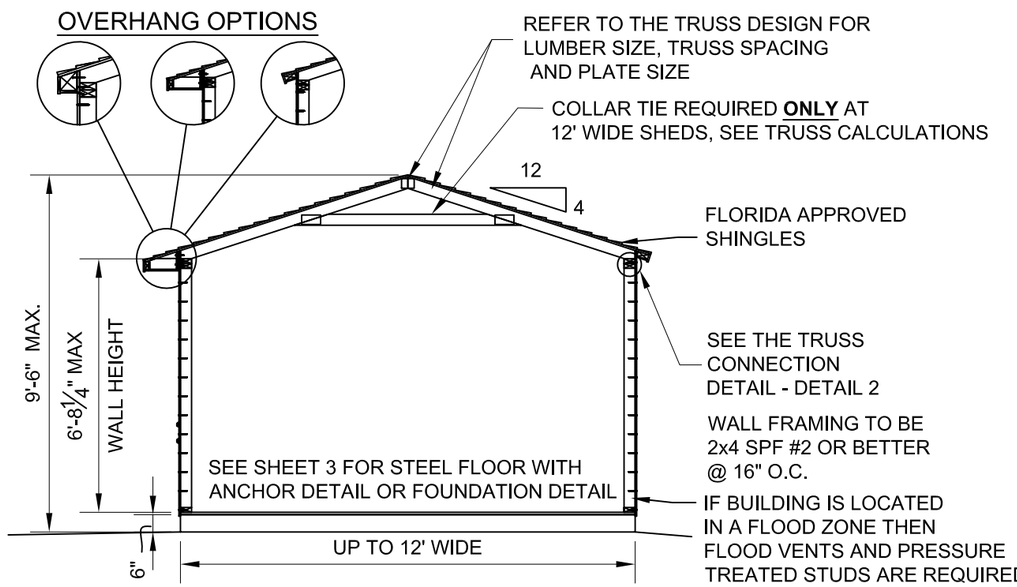
ROOF:	18/-29 PSF (ZONE 1)
	18/-50 PSF (ZONE 2)
	18/-74 PSF (ZONE 3)
WALL:	31/-34 PSF (ZONE 4)
	31/-42 PSF (ZONE 5)

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.

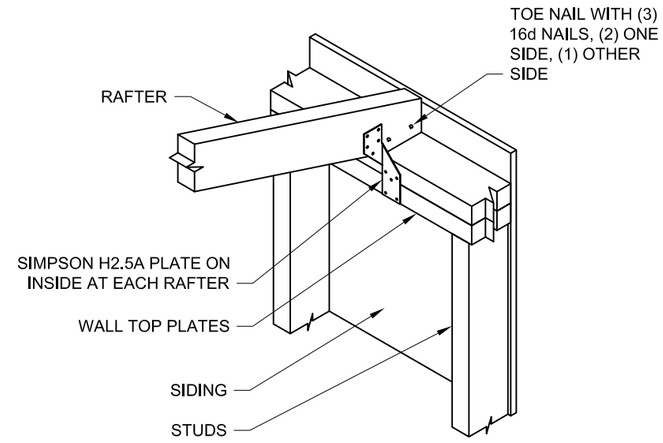
HEADER NAILING:
HEADER TO STUD - 4-16d END NAIL DOUBLED HEADER
- 16d @ 16" STAGGERED FACE NAIL

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

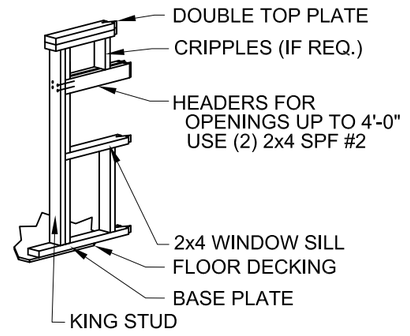
MAX WALL HEIGHT FOR EACH SHED:
SR600 - 5'-8 1/4" (68 1/4")
TR700 - 6'-8 1/4" (80 1/4")
PR - 6'-8 1/4" (80 1/4")



1 BUILDING SECTION
SCALE: N.T.S.

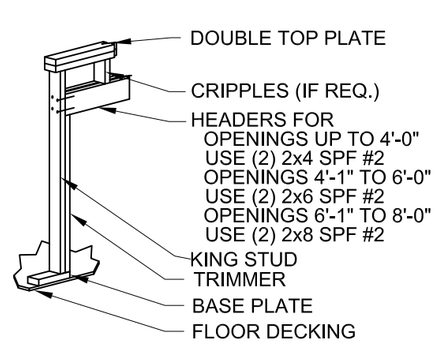


2 TRUSS TO WALL CONNECTION DETAIL
SCALE: N.T.S.



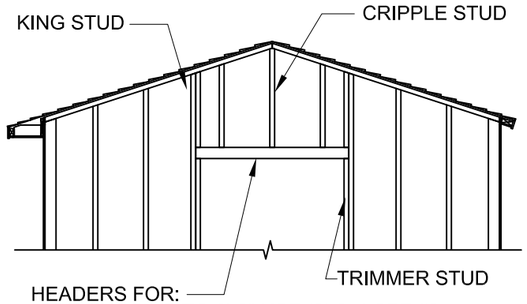
FOR WINDOW OPENINGS UP TO 4'-0"

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



FOR OPENINGS UP TO 8'-0"

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.

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

P.O. #
Drawn By: PK
Date: 3/12/19
Checked By:
Date:
Scale: N.T.S.

TUFF SHED, INC.
ENGINEERING DEPARTMENT
RICHARD J. WILLS, P.E.
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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-PR-SR-TR-01
REV. LEVEL 01
SHEET 1
PAGE 1 **OF** 4

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8 DEC 2020

3/8 SMART SIDE NAILING REQUIREMENTS

USE THESE NAILING TABLES FOR THE SR600, TR700 AND PR DRAWINGS

SIDE 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
NO OPENINGS ALONG THE WALL					
	6'	6'-20'	8d NAILS @ 6" O.C.	0'	6'-18'
	8'	8'-24'	8d NAILS @ 6" O.C.	0'	8'-24'
	10'	10'-24'	8d NAILS @ 6" O.C.	0'	10'-24'
	12'	12'-24'	8d NAILS @ 6" O.C.	0'	12'-24'
▪ MIN 2'-0" RTN WALLS ON EACH END OF WALL-				**▪ MIN 2'-0" WALL SEGMENT**	
	6'	6'-20'	8d NAILS @ 6" O.C.	UP TO 12'	4'
	8'	8'-24'	8d NAILS @ 6" O.C.	UP TO 12'	4'
	10'	10'-24'	8d NAILS @ 6" O.C.	UP TO 12'	7'
	10'	10'-24'	8d NAILS @ 4" O.C.	UP TO 12'	4'
	12'	12'-24'	8d NAILS @ 6" O.C.	UP TO 12'	8'
	12'	12'-24'	8d NAILS @ 4" O.C.	UP TO 12'	6'
	12'	12'-24'	8d NAILS @ 3" O.C.	UP TO 12'	4'

END WALL EDGE NAILING REQUIREMENTS

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					
	6'	6'-10'	8d NAILS @ 6" O.C.	0'	6'
	6'	12'-14'	8d NAILS @ 4" O.C.	0'	6'
	6'	16'-20'	8d NAILS @ 3" O.C.	0'	6'
	8'	8'-12'	8d NAILS @ 6" O.C.	0'	8'
	8'	14'-20'	8d NAILS @ 4" O.C.	0'	8'
	8'	22'-24'	8d NAILS @ 3" O.C.	0'	8'
	10'	10'-16'	8d NAILS @ 6" O.C.	0'	10'
	10'	18'-24'	8d NAILS @ 4" O.C.	0'	10'
	12'	12'-18'	8d NAILS @ 6" O.C.	0'	12'
	12'	20'-24'	8d NAILS @ 4" O.C.	0'	12'
▪ MIN 2'-0" RTN WALLS ON EACH END OF WALL-				**▪ MIN 2'-0" WALL SEGMENT**	
	6'	6'-9'	8d NAILS @ 6" O.C.	3'	SEE NOTE 3
	6'	10'	8d NAILS @ 3" O.C. (BS)	3'	2' (RE: NOTE 6)
	8'	8'	8d NAILS @ 6" O.C.	3'	5'
	8'	10'-12'	8d NAILS @ 4" O.C.	3'	5'
	8'	14'-16'	8d NAILS @ 3" O.C.	3'	5'
	8'	18'-24'	8d NAILS @ 4" O.C. (BS)	3'	5'
	8'	8'	8d NAILS @ 6" O.C.	4'	4'
	8'	10'	8d NAILS @ 3" O.C.	4'	4'
	8'	12'-22'	8d NAILS @ 3" O.C. (BS)	4'	4'
	10'	10'	8d NAILS @ 6" O.C.	3'	7'
	10'	12'-16'	8d NAILS @ 4" O.C.	3'	7'
	10'	18'	8d NAILS @ 3" O.C.	3'	7'
	10'	20'-24'	8d NAILS @ 4" O.C. (BS)	3'	7'
	10'	10'-14'	8d NAILS @ 4" O.C.	4'	6'
	10'	16'	8d NAILS @ 3" O.C.	4'	6'
	10'	18'-24'	8d NAILS @ 4" O.C. (BS)	4'	6'
	10'	10'	8d NAILS @ 3" O.C.	6'	4'
	10'	12'-24'	8d NAILS @ 3" O.C. (BS)	6'	4'
	12'	12'	8d NAILS @ 6" O.C.	4'	8'
	12'	14'-18'	8d NAILS @ 4" O.C.	4'	8'
	12'	20'-24'	8d NAILS @ 3" O.C.	4'	8'
	12'	12'-14'	8d NAILS @ 4" O.C.	6'	6'
	12'	16'-18'	8d NAILS @ 3" O.C.	6'	6'
	12'	20'-24'	8d NAILS @ 4" O.C. (BS)	6'	6'
	12'	12'-14'	8d NAILS @ 3" O.C.	8'	4'
	12'	16'-24'	8d NAILS @ 3" O.C. (BS)	8'	4'

ROOF SHEATHING (7/16" OSB)

WIDTH	LENGTH	FIELD NAILING	EDGE NAILING
6'	6'-18'	8d NAILS @ 12" O.C.	8d NAILS @ 4" O.C.
8'	8'-24'	8d NAILS @ 12" O.C.	8d NAILS @ 4" O.C.
10'	10'-24'	8d NAILS @ 12" O.C.	8d NAILS @ 4" O.C.
12'	12'-24'	8d NAILS @ 12" O.C.	8d NAILS @ 4" O.C.

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'-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.
4. USE COMMON OR GALVANIZED BOX NAILS.
5. FIELD NAILING FOR 3/8" SMARTSIDE: 8d @ 12" O.C.
6. ON THESE BUILDINGS 6' X 10'-18' 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.
7. (BS) - DESIGNATES WALLS THAT NEED TO BE SHEATHED ON BOTH SIDES.

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Storage Buildings & Garages
TUFF SHED, MFG. FACILITIES

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Checked By:
Date:
Scale: N.T.S.

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(303) 753-8833 EXT. 96315

TITLE
DOOR DETAILS
NAILING REQUIREMENTS
FBC, 7th EDITION (2020)
155C

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

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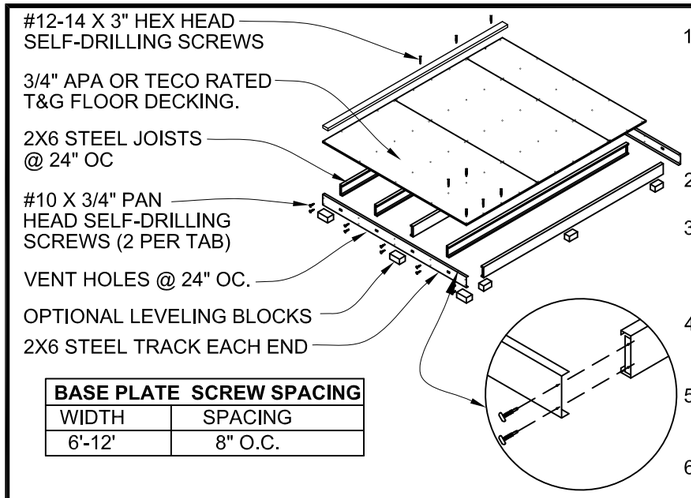
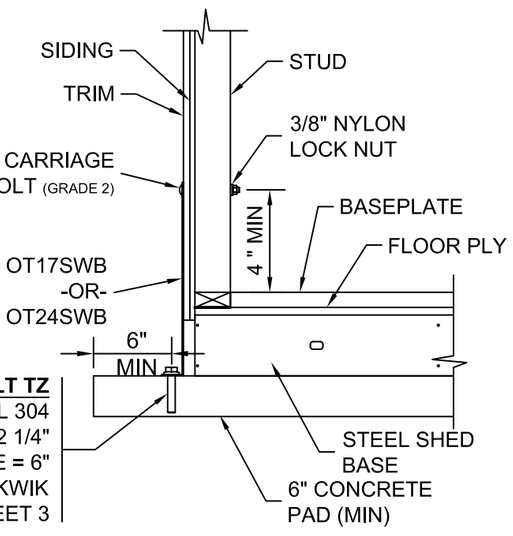


BASE PLATE SCREW SPACING	
WIDTH	SPACING
6'-12'	8" O.C.

1. STEEL SHED FOUNDATION:
   600T125-054 - 16 GAUGE STEEL TRACKS G140 ZINC COATED
   600S137-054 - 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. REFERENCE SPACING CHART.
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 @ 8'-0" O.C. MAXIMUM.
   BLOCKS UNDER TRACK SPACED @ 4'-0" O.C. MAXIMUM.

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

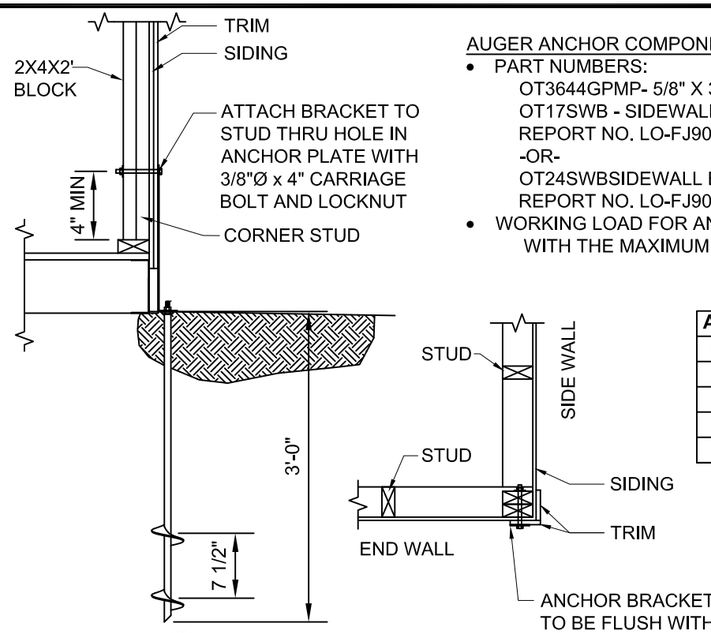


1/2" HILTI KWIK BOLT TZ
STAINLESS STEEL 304
EMBEDMENT DEPTH = 2 1/4"
MIN. EDGE DISTANCE = 6"
ANCHOR SPACING: RE: KWIK BOLT ANCHORS TABLE, SHEET 3

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

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

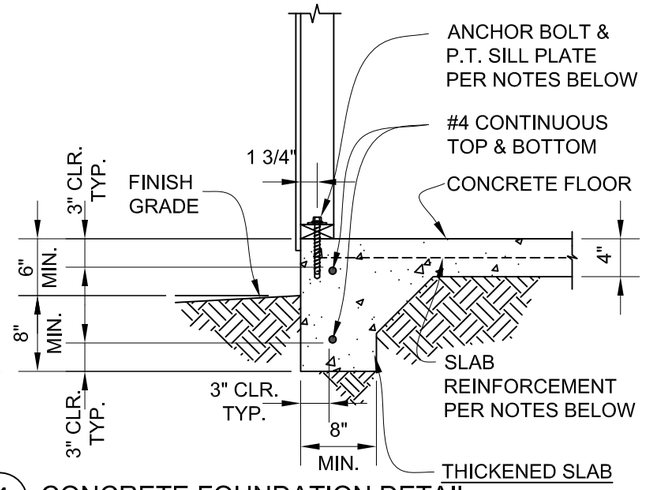


AUGER ANCHOR COMPONENTS BY OLIVER TECHNOLOGIES
- PART NUMBERS:
  OT3644GPMP- 5/8" X 36" (36" IMBED) GALVANIZED AUGER
  OT17SWB - SIDEWALL BRACKET FOR USE WITH THRU BOLTS
  REPORT NO. LO-FJ90129-A
  -OR-
  OT24SWBSIDEWALL BRACKET FOR USE WITH THRU BOLTS
  REPORT NO. LO-FJ90129-B
- WORKING LOAD FOR ANCHOR SYSTEM IS 3,150 LBS WITH THE MAXIMUM LOAD OF 5,080 LBS

AUGER ANCHORS		
WIDTH	LENGTH	# OF ANCHORS
6'	6'-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.



4 CONCRETE FOUNDATION 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.
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: A
   A. ATTACH PRESSURE TREATED SOLE PLATE TO THE FOOTING USING 1/2" DIA X 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.

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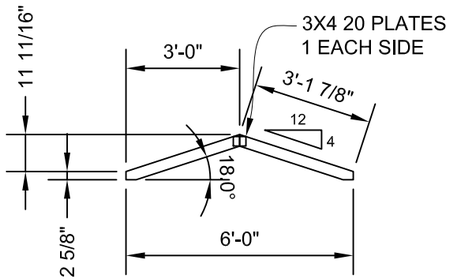

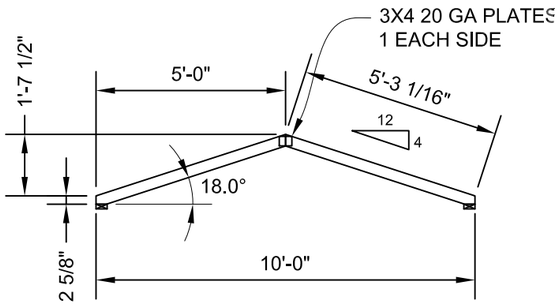

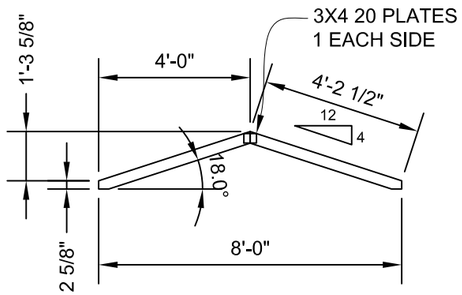

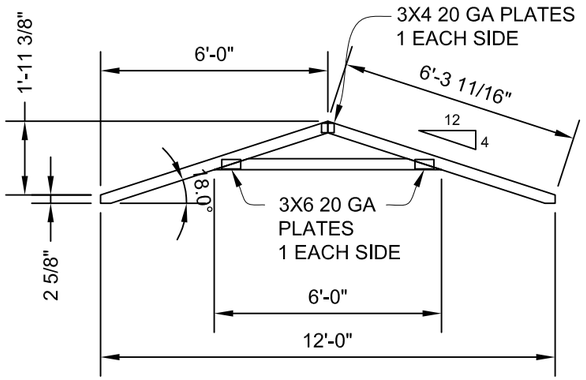

6' SPAN
REACTIONS:
MAX. VERTICAL: 180 LBS.
MAX. UPLIFT: -160 LBS.

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: -285 LBS.

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

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

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

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.

TUFF SHED
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

P.O. #
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8 DEC 2020