

STRUCTURAL NOTES:

1. BUILDING CODE: 2018 NCBC & NCRC, 2015 IBC & IRC

2. DESIGN LOADING:

A. ROOF LOADS

1. UNIFORM ROOF (SNOW): 20 PSF
 - A. SNOW EXPOSURE FACTOR, C_e : 1.0
 - B. SNOW IMPORTANCE FACTOR, I_s : 1.0
 - C. THERMAL FACTOR C_t : 1.2
2. DEAD LOAD: 10 PSF

B. WIND LOADS

1. BASIC WIND SPEED, v_{ult} : 115 MPH
2. EXPOSURE: C
3. INTERNAL PRESSURE COEFFICIENT GC_{pi} : ± 0.18

C. SEISMIC DESIGN

1. IMPORTANCE FACTOR: 1.0
2. SPECTRAL RESPONSE ACCELERATIONS: $S_s = 0.42$
 $S_1 = 0.14$
3. SITE CLASS: A
4. SITE COEFFICIENTS: $S_{DS} = 0.44$
 $S_{D1} = 0.23$
5. SEISMIC DESIGN CATEGORY: C

LUMBER:

1. ALL LUMBER SHALL BE SPRUCE PINE-FIR STUD GRADE (U.O.N.).
2. REFER TO THE TRUSS DESIGN FOR DESIGN INFORMATION.

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:

PPTR - 7'-8 1/4" (92 1/4")
TR/TRD800 - 7'-8 1/4" (92 1/4")

MAX ROOF SLOPE FOR EACH SHED:

PPTR - 5:12
TR800 - 4:12

ROOF SHEATHING (7/16" OSB)

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

NOTES:

1. USE 8d COMMON NAILS W/ A MIN SHANK DIAMETER OF 0.131" AND A LENGTH OF 2 1/2".

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

PPTR, TR800

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
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NO OPENINGS ALONG THE WALL

	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'-3" RTN WALLS ON EACH END OF WALL- MIN 2'-3" WALL SEGMENT

	8'	8'-24'	8d NAILS @ 6" O.C.	UP TO 12'	5'
	10'	10'-24'	8d NAILS @ 6" O.C.	UP TO 12'	5'
	12'	12'-24'	8d NAILS @ 6" O.C.	UP TO 12'	5'

TABLE NOTES:

1. NAILING IS FOR 3/8" SMARTSIDE PANEL OR 3/8" SILVERSIDE PANEL.
2. NO SINGLE OPENING GREATER THAN 8'-0"
3. USE COMMON NAILS WITH A MINIMUM SHANK DIAMETER OF 0.113" AND A MINIMUM LENGTH OF 2 1/2".
4. FIELD NAILING FOR 3/8" SMARTSIDE: 8d @ 12" O.C.

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
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NO OPENINGS ALONG THE WALL

	8'	8'-24'	8d NAILS @ 3" O.C.	0'	8'
	10'	10'-24'	8d NAILS @ 3" O.C.	0'	10'
	12'	12'-24'	8d NAILS @ 3" O.C.	0'	12'

MIN 2'-3" RTN WALLS ON EACH END OF WALL- MIN 2'-3" WALL SEGMENT

	8'	8'-24'	8d NAILS @ 3" O.C.	2'	6'
	8'	8'-24'	8d NAILS @ 3" O.C.	3'	5'
	10'	10'-24'	8d NAILS @ 3" O.C.	4'	6'
	10'	10'-24'	8d NAILS @ 3" O.C.	5'	5'
	12'	12'-24'	8d NAILS @ 3" O.C.	4'	8'
	12'	12'-24'	8d NAILS @ 3" O.C.	6'	6'
	12'	12'-24'	8d NAILS @ 3" O.C.	7'	5'

#8-18 HWH X 3" HEX HEAD SELF-DRILLING SCREWS

3/4" APA OR TECO RATED T&G FLOOR DECKING.

2X6 STEEL JOISTS @ 24" OC

#10 X 3/4" PAN HEAD SELF-DRILLING SCREWS (2 PER TAB)

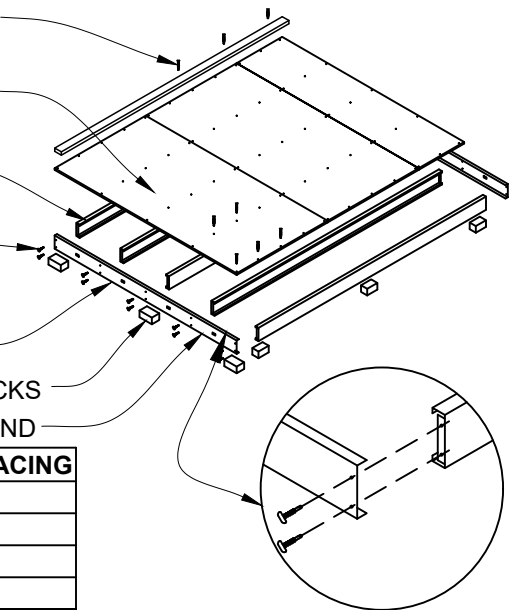
VENT HOLES @ 24" OC.

OPTIONAL LEVELING BLOCKS

2X6 STEEL TRACK EACH END

BASE PLATE SCREW SPACING

WIDTH	SPACING
8'	20" O.C.
10'	16" O.C.
12'	14" O.C.



1. STEEL SHED FOUNDATION:

600T125-054 - 16 GAUGE STEEL TRACKS G140 ZINC COATED
600S150-054 - 16 GAUGE STEEL JOISTS G140 ZINC COATED @ 24" O.C.
(SUPPLIER: QUAIL RUN (JOIST: 600S137-054 / TRACK: 600T150-054) ICC ER-4943P.

2. 3/4" APA OR TECO RATED TONGUE AND GROOVE FLOOR DECKING. 24" MAX PANEL SPAN.

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 #8-18 HWH 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.

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: PK

Date: 6/17/22

Checked By: _____

Date: _____

Scale: N.T.S.

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TITLE

GENERAL NOTES

AND DETAILS

115 MPH, EXP. C

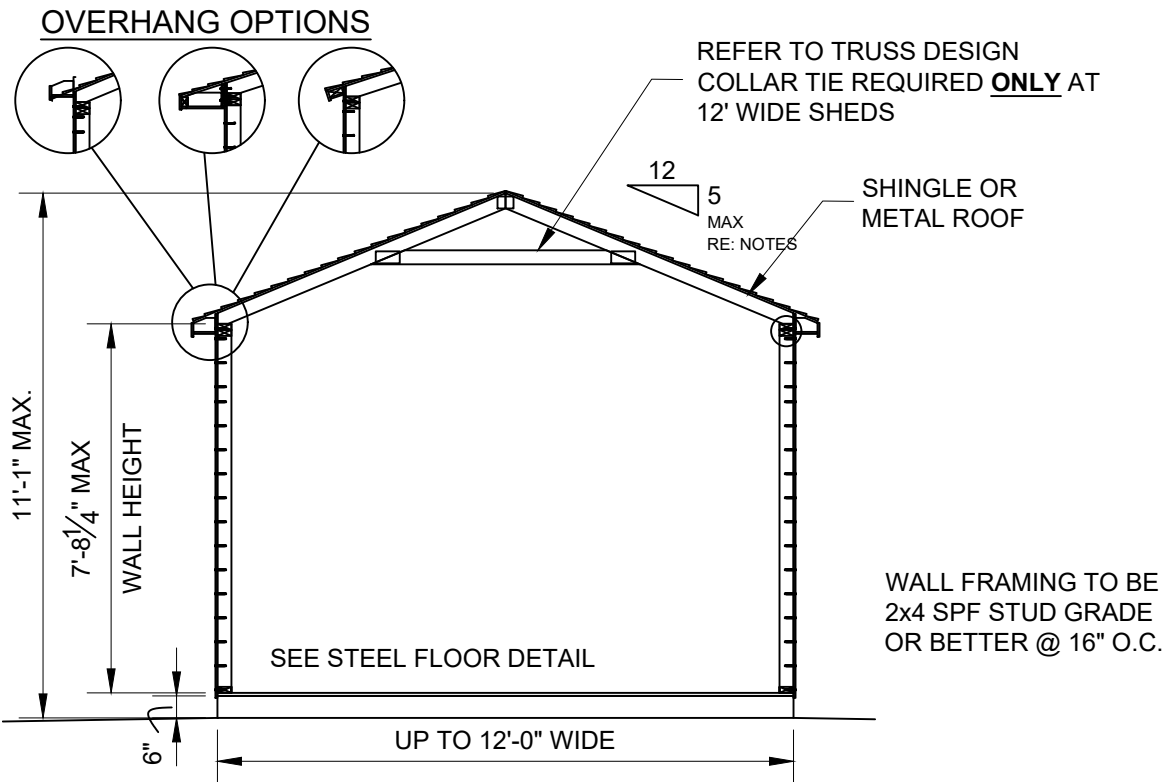
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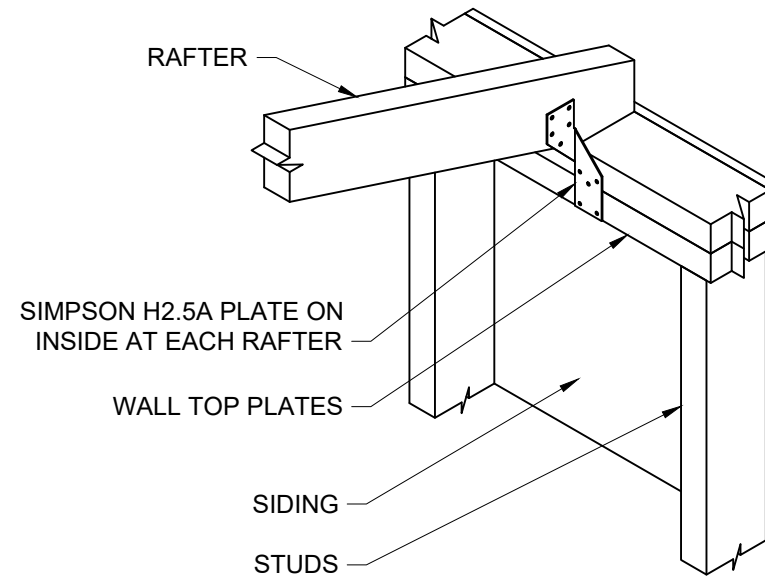
REV. LEVEL 01

SHEET 1

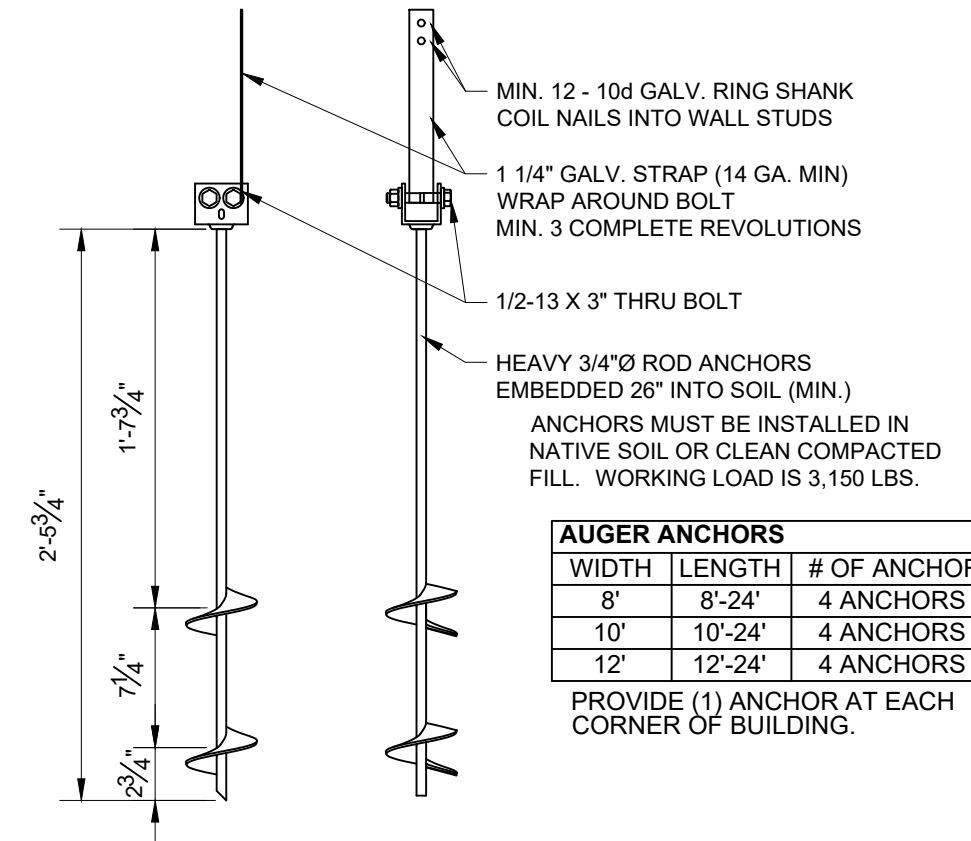
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1 BUILDING SECTION
SCALE: N.T.S.



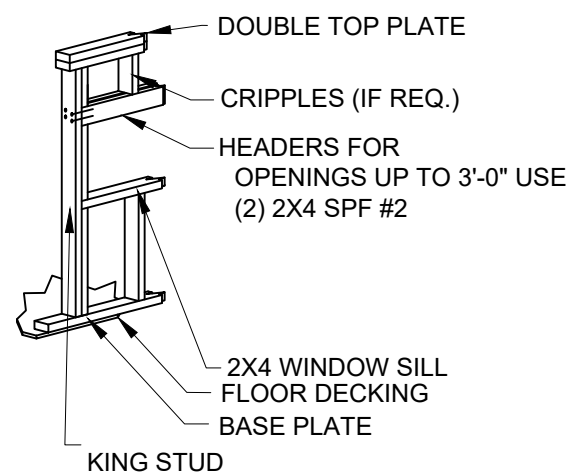
2 TRUSS ATTACHMENT DETAIL
SCALE: N.T.S.



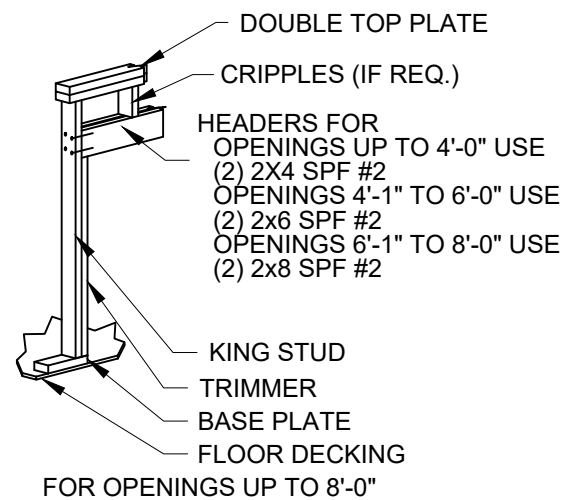
5 AUGER ANCHOR DETAIL
SCALE: N.T.S.

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

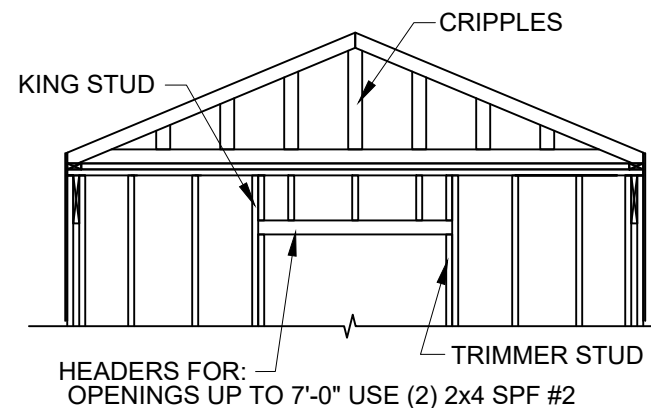
PROVIDE (1) ANCHOR AT EACH CORNER OF BUILDING.



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



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



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



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

P.O. # _____
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 Date: 6/17/22
 Checked By: _____
 Date: _____
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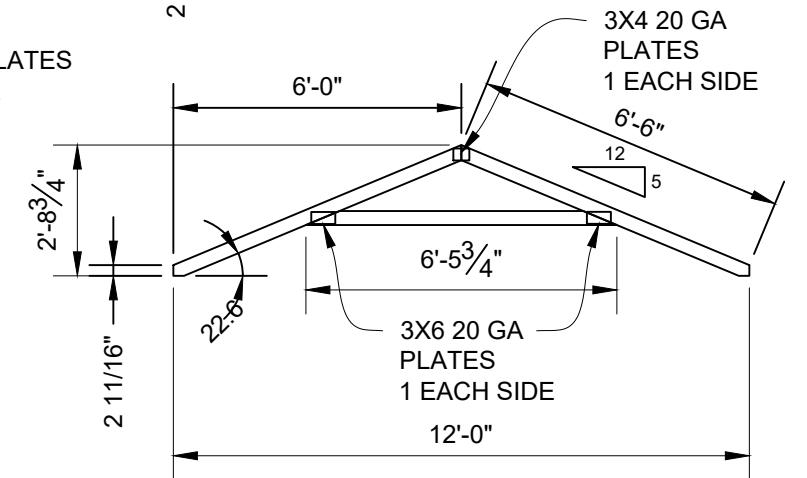
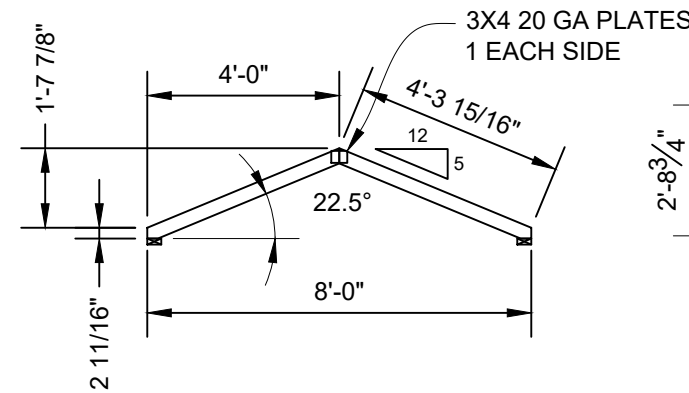
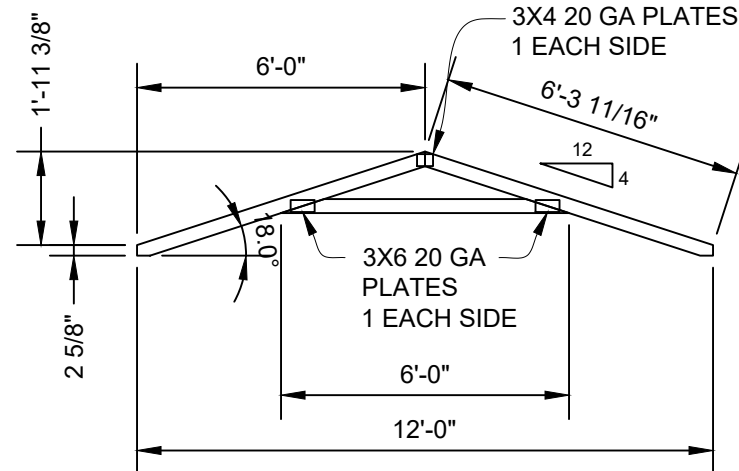
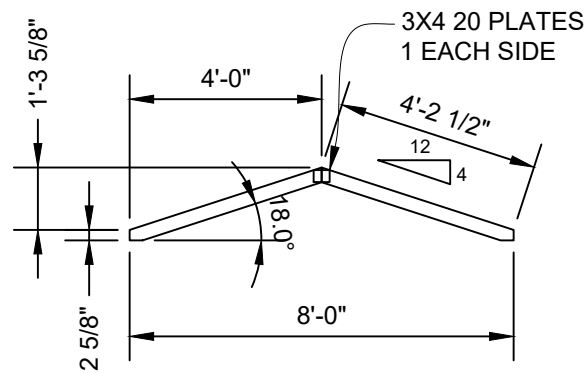
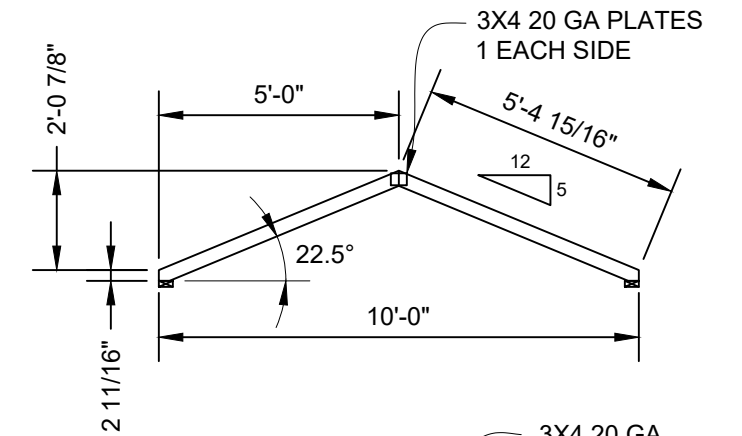
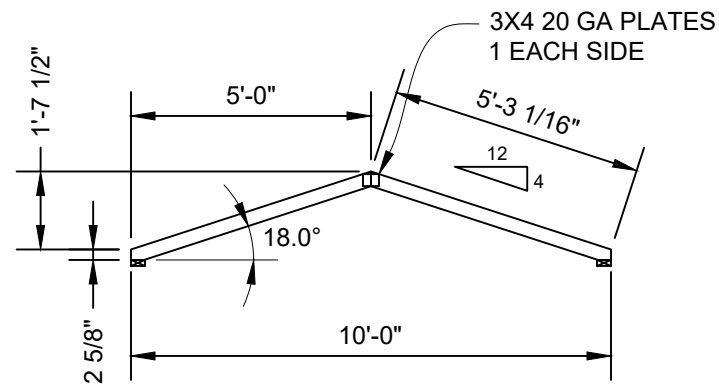
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TITLE
BUILDING SECTIONS
HEADER FRAMING DETAILS
AUGER DETAILS
115 MPH, EXP. C

DRAWING NO.
610-PPTR-TR800-01
REV. LEVEL 01
SHEET **2**
PAGE 2 OF 3



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

NOTES:
 2018 NCBC & NCRC
 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.: 1.15

WIND:
 ASCE 7-10, 115 mph, Exposure C, D.O.L.=1.60

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

8' SPAN
 REACTIONS:
 MAX. VERTICAL: 240 LBS.
 MAX. UPLIFT: -155 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: -160 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: 400 LBS.
 MAX. UPLIFT: -215 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.

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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TITLE
 TRUSS DETAILS
 AND CALCULATIONS
 115 MPH, EXP. C

DRAWING NO.
 610-PPTR-TR800-01
 REV. LEVEL 01
 SHEET 3
 PAGE 3 OF 3