

**STRUCTURAL NOTES:**

1. **BUILDING CODE:** 2018 NC BUILDING CODE  
2015 IBC & IRC, 2018 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  $GC_{pi}$ :  $\pm 0.18$

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:**

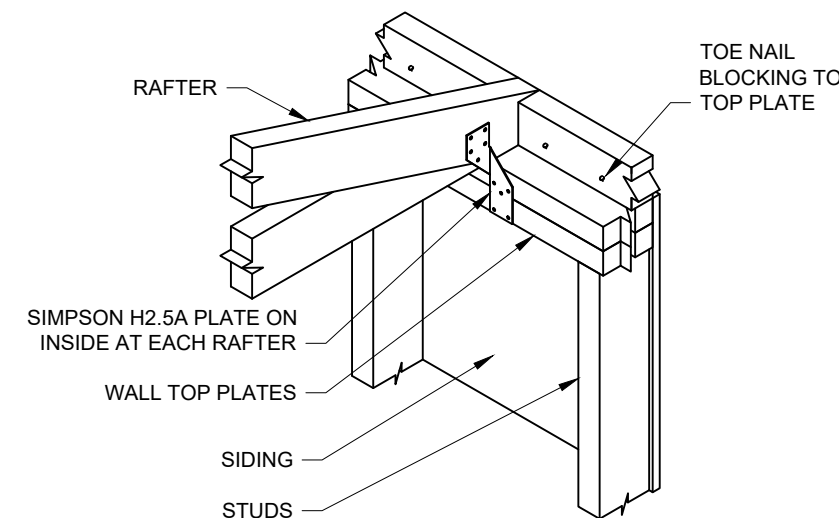
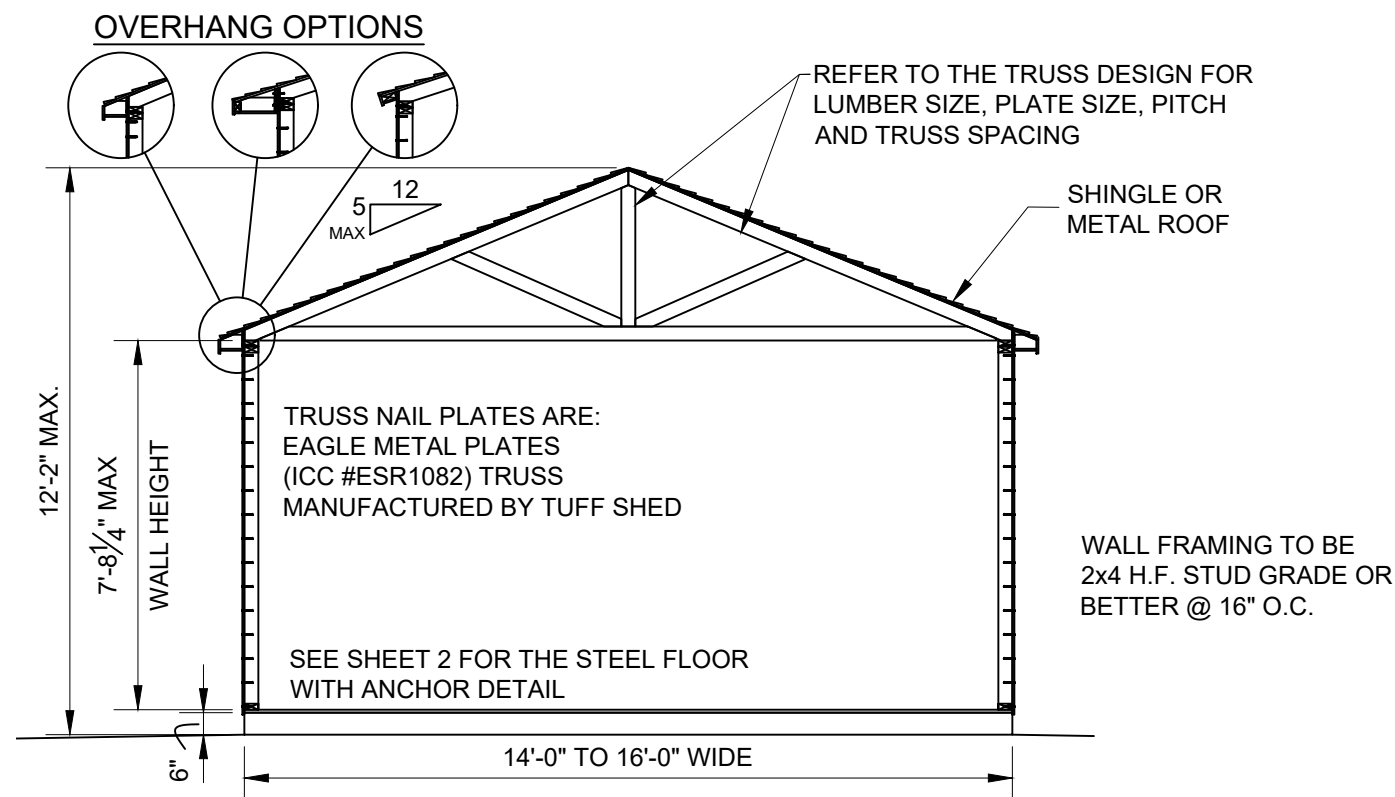
PPTR, PTR, TR/TRD800 - 7'-8 1/4" (92 1/4")  
PPR, TR/TRD700 - 6'-8 1/4" (80 1/4")

**MAX ROOF SLOPE FOR EACH SHED:**

PPTR, PPR - 5:12  
PTR, TR800, TR700 - 4:12

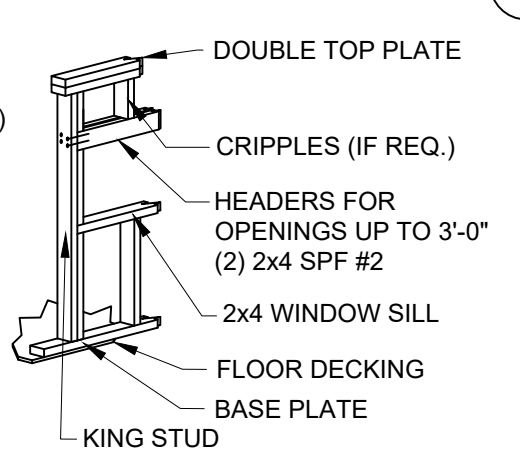
# UNINHABITED UTILITY SHED 14' AND 16' WIDE x UP TO 24' LONG

## PPTR, PPR, PTR, TR/TRD800, TR/TRD700

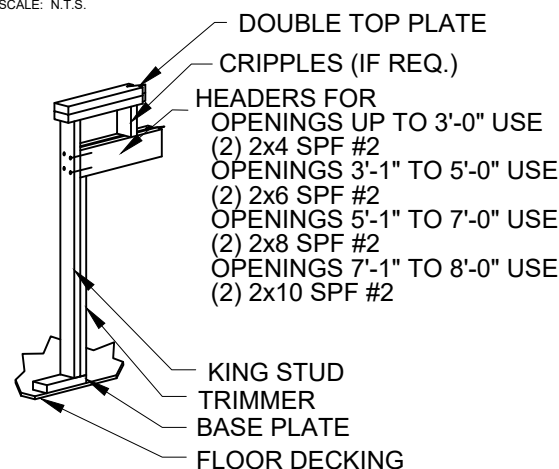


### SHED RAFTER H2.5A ATTACHMENT

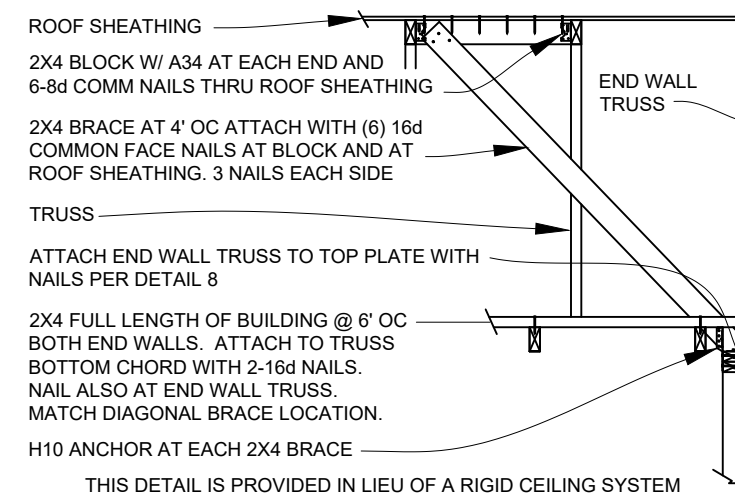
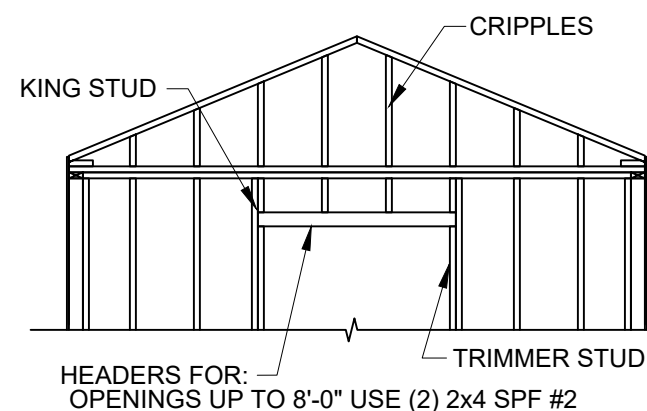
**4 TRUSS TO WALL CONNECTION DETAIL**  
SCALE: N.T.S.



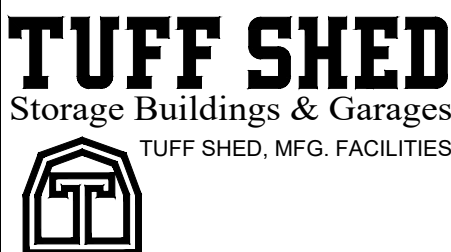
FOR WINDOW OPENINGS UP TO 3'-0"



FOR OPENINGS UP TO 8'-0"



THIS DETAIL IS PROVIDED IN LIEU OF A RIGID CEILING SYSTEM



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

P.O. # \_\_\_\_\_  
Drawn By: SJ  
Date: 1/21/19  
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  
115 MPH, EXP. C

**DRAWING NO.**  
610-PPTR-TR800-02

**REV. LEVEL** 01

**SHEET** 1

**PAGE** 1 OF 3

# 3/8 SMART SIDE NAILING REQUIREMENTS

USE THESE NAILING TABLES FOR THE TR/TRD800 DRAWINGS

#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
14'	16" O.C.
16'	14" O.C.

- 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.
- 3/4" APA OR TECO RATED TONGUE AND GROOVE FLOOR DECKING. 24" MAX PANEL SPAN.
- 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.
- FASTEN SOLE PLATE THROUGH FLOOR DECKING INTO JOISTS OR TRACKS WITH #8-18 HWH X 3" GALVANIZED SELF-DRILLING SCREWS. REFERENCE SPACING CHART.
- ALLOWABLE FLOOR LIVE LOAD: 75 PSF FOR STEEL JOISTS CONTINUOUSLY SUPPORTED. 50 PSF FOR JOISTS ON BLOCKS AS SHOWN.
- 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.

ROOF SHEATHING (7/16" OSB)			
WIDTH	LENGTH	FIELD NAILING	EDGE NAILING
14'	14'-24'	8d NAILS @ 8" O.C.	8d NAILS @ 4" O.C.
16'	16'-24'	8d NAILS @ 8" O.C.	8d NAILS @ 4" O.C.

8d COMMON OR GALVANIZED BOX NAILS.

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

	14'	14'-20'	8d NAILS @ 6" O.C.	0'	14'
	14'	22'-24'	8d NAILS @ 4" O.C.	0'	14'
	16'	16'-22'	8d NAILS @ 6" O.C.	0'	16'
	16'	24'	8d NAILS @ 4" O.C.	0'	16'

### MIN 2'-4" RTN WALLS ON EACH END OF WALL- MIN 2'-4" WALL SEGMENT

	14'	14'	8d NAILS @ 6" O.C.	4'	10'
	14'	16'-22'	8d NAILS @ 4" O.C.	4'	10'
	14'	24'	8d NAILS @ 3" O.C.	4'	10'
	14'	14'-20'	8d NAILS @ 4" O.C.	5'	9'
	14'	22'-24'	8d NAILS @ 3" O.C.	5'	9'
	14'	14'-18'	8d NAILS @ 4" O.C.	6'	8'
	14'	20'-22'	8d NAILS @ 3" O.C.	6'	8'
	16'	16'	8d NAILS @ 6" O.C.	4'	12'
	16'	18'-24'	8d NAILS @ 4" O.C.	4'	12'
	16'	16'-20'	8d NAILS @ 4" O.C.	7'	9'
	16'	22'-24'	8d NAILS @ 3" O.C.	7'	9'
	16'	16'	8d NAILS @ 4" O.C.	8'	8'
	16'	18'-22'	8d NAILS @ 3" O.C.	8'	8'

### TABLE NOTES:

- NAILING IS FOR 3/8" SMART SIDE PANEL.
- NO SINGLE OPENING GREATER THAN 8'-0"
- USE COMMON OR GALVANIZED BOX NAILS.
- FIELD NAILING FOR 3/8" SMARTSIDE: 8d @ 12" O.C.

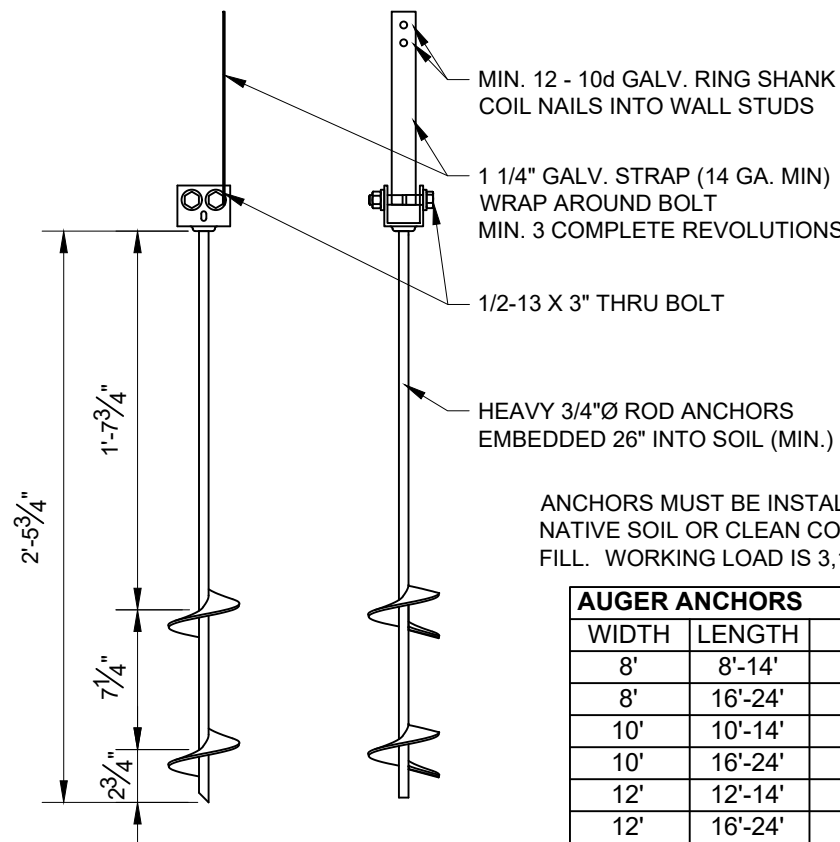
SIDE WALL EDGE NAILING REQUIREMENTS					
MARK WALLS BEING USED	END WALL WIDTH	SIDE WALL LENGTH	EDGE NAILING	MAX. COMB. OPENING (NOTE 2)	MIN TOTAL COMBINED SHEAR WALL

### NO OPENINGS ALONG THE WALL

	14'	14'-24'	8d NAILS @ 6" O.C.	0'	14'-24'
	16'	16'-24'	8d NAILS @ 6" O.C.	0'	16'-24'

### MIN 2'-4" RTN WALLS ON EACH END OF WALL- MIN 2'-4" WALL SEGMENT

	14'	14'-24'	8d NAILS @ 6" O.C.	UP TO 12'	10'
	14'	14'-24'	8d NAILS @ 4" O.C.	UP TO 12'	7'
	14'	14'-24'	8d NAILS @ 3" O.C.	UP TO 12'	5'
	16'	16'-24'	8d NAILS @ 6" O.C.	UP TO 12'	11'
	16'	16'-24'	8d NAILS @ 4" O.C.	UP TO 12'	8'
	16'	16'-24'	8d NAILS @ 3" O.C.	UP TO 12'	6'



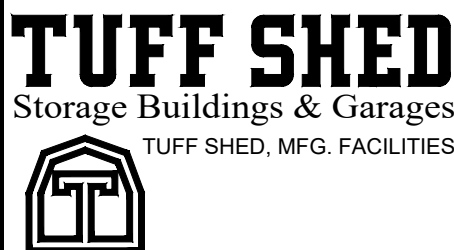
ANCHORS MUST BE INSTALLED IN NATIVE SOIL OR CLEAN COMPACTED FILL. WORKING LOAD IS 3,150 LBS.

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

PROVIDE (1) ANCHOR AT EACH CORNER OF BUILDING. PROVIDE (1) ANCHOR AT CENTER OF EACH SIDEWALL FOR 16'-24' LONG BUILDINGS.

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

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



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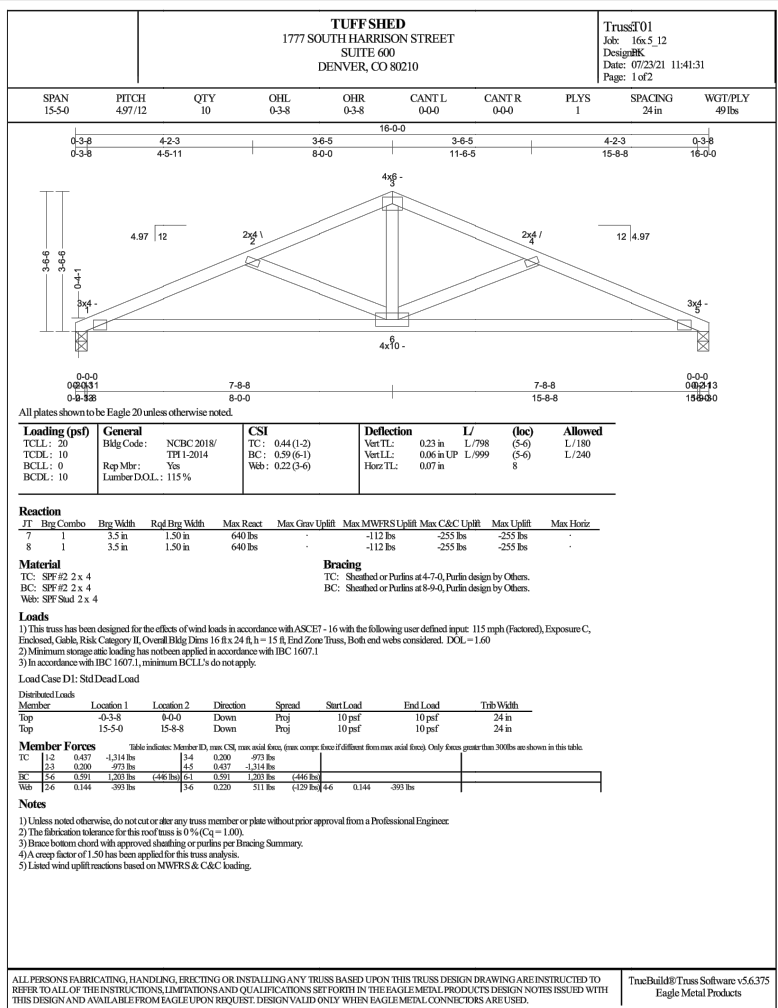
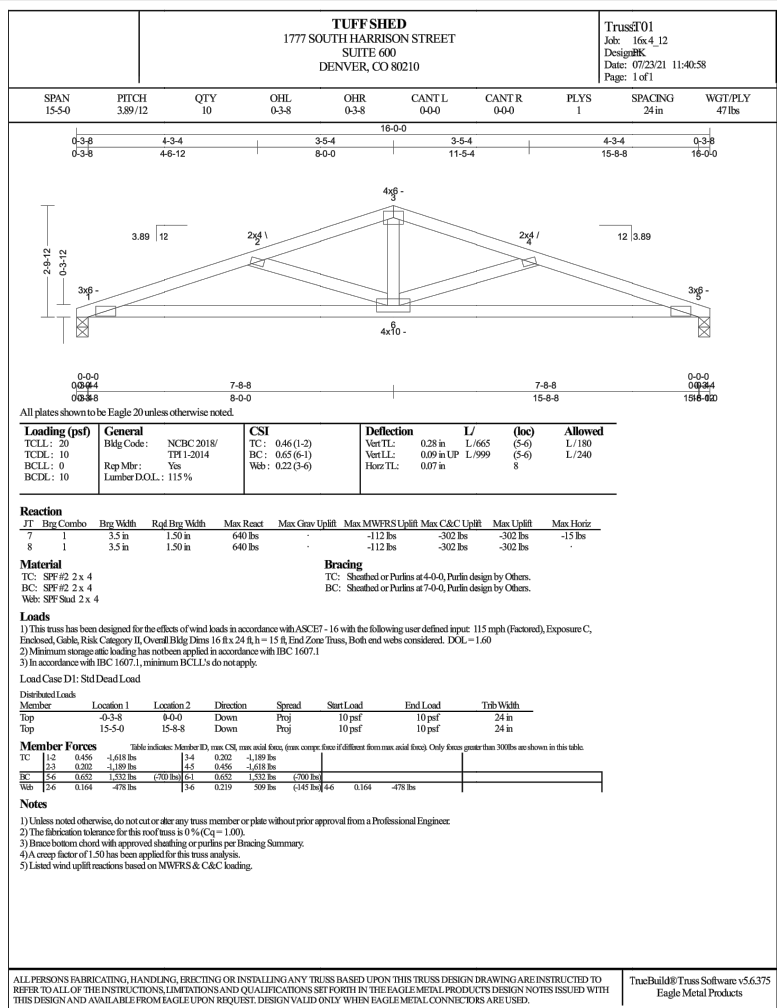
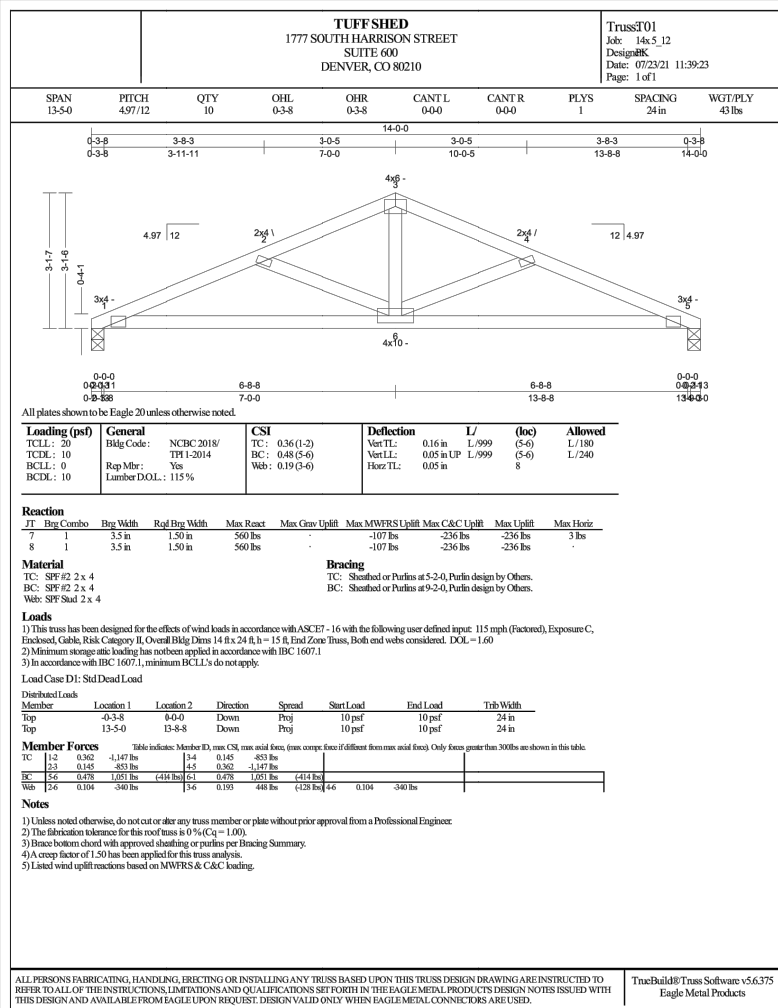
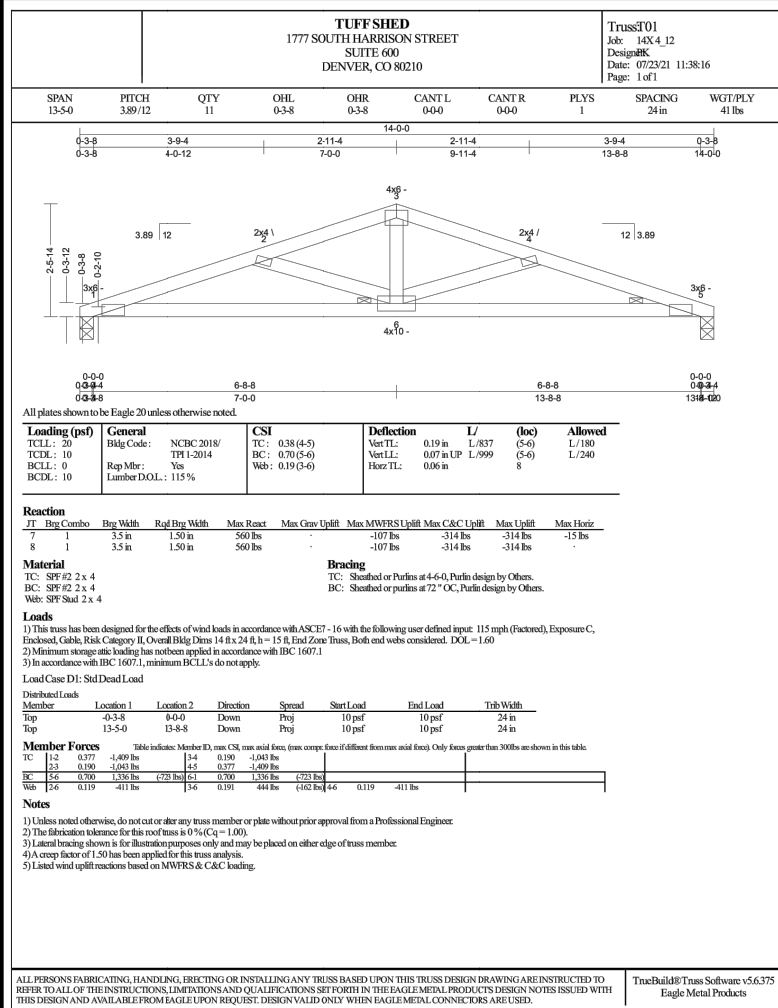
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TITLE  
GENERAL NOTES  
& TABLES  
115 MPH, EXP. C

DRAWING NO. 610-PPTR-TR800-02  
REV. LEVEL 01  
SHEET **2**  
PAGE 2 OF 3



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TITLE  
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DRAWING NO.  
 610-PPTR-TR800-02  
 REV. LEVEL 01  
 SHEET 3  
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31 AUG 2021