# UNINHABITED UTILITY SHED 14' AND 16' WIDE x UP TO 24' LONG PPTR, PPR, PTR, TR/TRD800, TR/TRD700

#### STRUCTURAL NOTES:

1. BUILDING CODE: 2018 NC BUILDING CODE 2015 IBC & IRC

2. DESIGN LOADING:

- A. ROOF LOADS
  - 1. UNIFORM ROOF (LIVE): 20 PSF
  - A. SNOW EXPOSURE FACTOR, Ce: 1.0
  - B. IMPORTANCE FACTOR, I: 1.0
  - C. THERMAL FACTOR, Ct: 1.2
  - D. LUMBER DURATION, CD: 1.25

#### 2. DEAD LOAD: 10 PSF

#### **B. WIND LOADS**

- 1. BASIC WIND SPEED (v<sub>ult</sub>): 120 MPH
- 2. EXPOSURE: C
- 3. INTERNAL PRESSURE COEFFICIENT GCpi: ±0.18
- C. SEISMIC DESIGN
- 1. IMPORTANCE FACTOR: 1.0
- 2. SPECTRAL RESPONSE ACCELERATIONS: S<sub>s</sub> = 0.42  $S_1 = 0.14$
- 3. SITE CLASS: D

4. SITE COEFFICIENTS: SDS = 0.44

- SD1 = 0.22
- 5. SEISMIC DESIGN CATEGORY: C

### LUMBER:

1. ALL LUMBER SHALL BE SPRUCE PINE FIR #2 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 1 FOR WALL AND** ROOF SHEATHING NAILING.

## MAX WALL HEIGHT FOR EACH SHED:

PPTR, PTR, TR/TRD800 - 7'-81/4" (921/4") PPR - 6'-8¼" (80¼")

#### MAX ROOF SLOPE FOR EACH SHED:

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

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

# TABLE NOTES:

- NAILING IS FOR 3/8" SMARTSIDE PANEL OR 3/8" SMARTSIDE WITH 1. FOIL BACKER.
- NO SINGLE OPENING GREATER THAN 8'-0" USE COMMON OR GALVANIZED BOX NAILS. 2.
- 3.
- 4. FIELD NAILING FOR 3/8" SMARTSIDE: 8d @ 12" O.C.

	ROOF SHEATHING (7/16" OSB)					
WIDTH	LENGTH	FIELD NAILING	EDGE NAILING			
14'	14'-24'	8d NAILS @ 12" O.C.	8d NAILS @ 4" O.C.			
16'	16'-24	8d NAILS @ 12" O.C.	8d NAILS @ 4" O.C.			

NOTES:

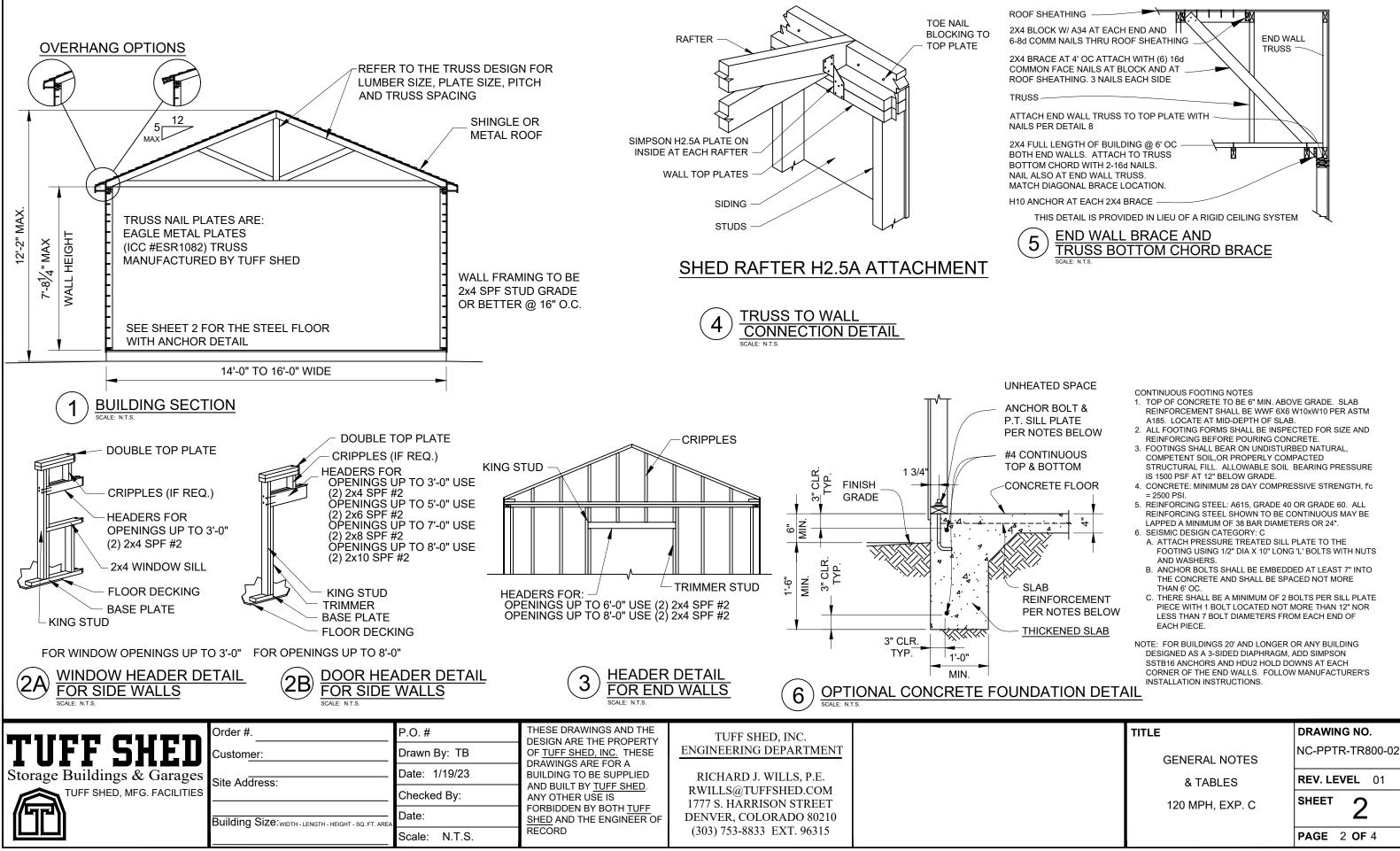
USE 0.113" X 23/8" GALVANIZED RING SHANK NAILS OR 8d COMMON.

	Order #	P.O. #	THESE DRAWINGS AND THE DESIGN ARE THE PROPERTY	TUFF SHED, INC.	
	Custom <u>er:</u>	Drawn By: TB	OF TUFF SHED, INC. THESE DRAWINGS ARE FOR A	ENGINEERING DEPARTMENT	
Storage Buildings & Garages	Site Address	Date: 1/19/23	BUILDING TO BE SUPPLIED	RICHARD J. WILLS, P.E.	
TUFF SHED, MFG. FACILITIES		Checked By:	AND BUILT BY <u>TUFF SHED</u> . ANY OTHER USE IS	RWILLS@TUFFSHED.COM 1777 S. HARRISON STREET	
<i>((</i> 5772))	Building Size:width - LENGTH - HEIGHT - SQ. FT. AREA	Date:	FORBIDDEN BY BOTH <u>TUFF</u> <u>SHED</u> AND THE ENGINEER OF	DENVER, COLORADO 80210	
	0	Scale: N.T.S.	RECORD	(303) 753-8833 EXT. 96315	

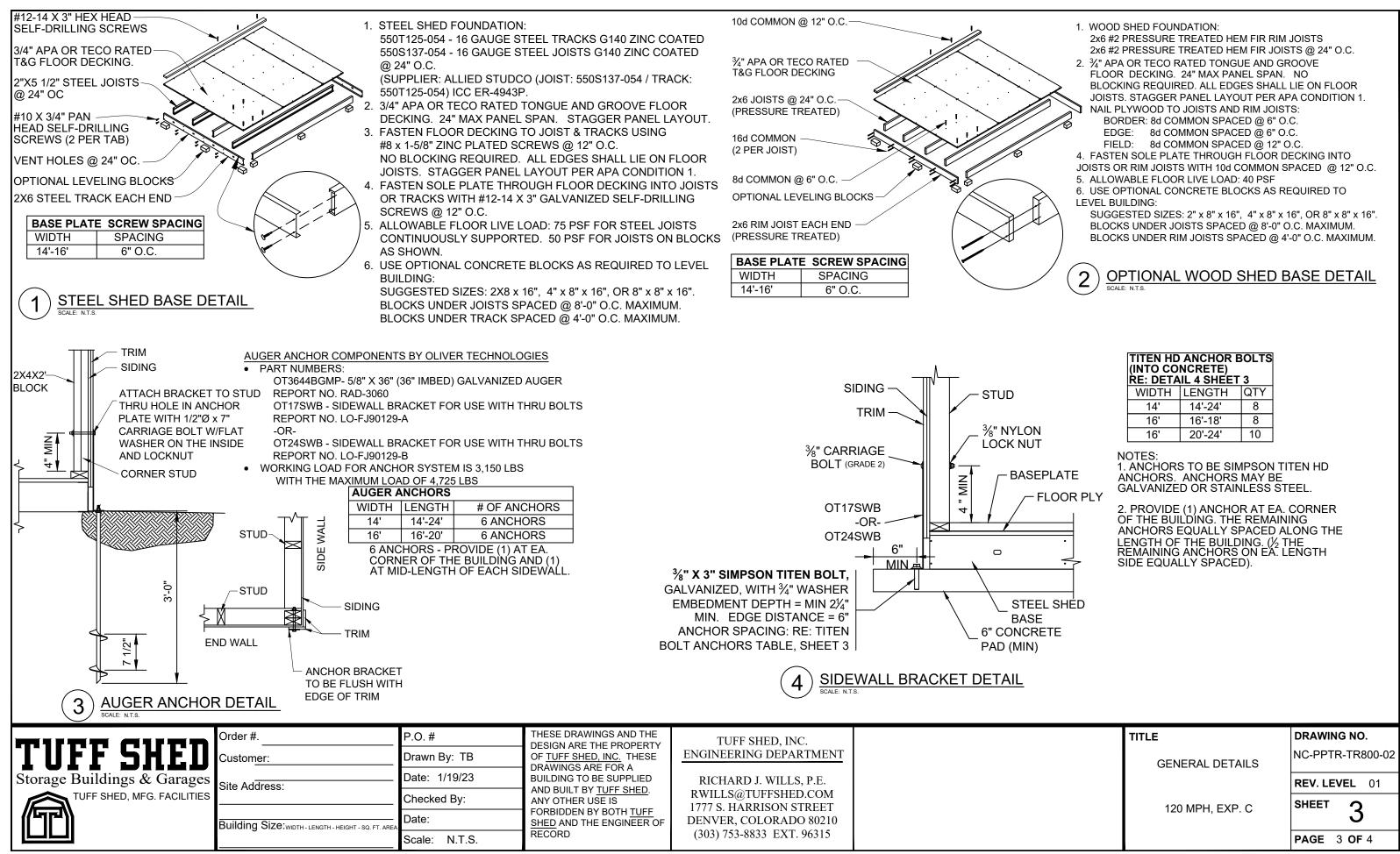
# 3/8 SMART SIDE NAILING REQUIREMENTS

	END WALL EDGE NAILING REQUIREMENTS						
MARK WALLS BEING USED	END WALL WIDTH	SIDE WALL LENGTH	NAILING (NOTE 4)	MAX. COMB. OPENING (NOTE 3)	MIN TOTAL COMBINED SHEAR WALL MIN 2'-4" WALL SEGMENT		
	NO OPI	ENINGS A	LONG THE WALL				
	14'	14'-24'	8d NAILS @ 6" O.C.	0'	14'		
	16'	16'-24'	8d NAILS @ 6" O.C.	0'	16'		
	MIN 2'-	6" RTN W	ALLS ON EACH END	OF WALL (	OPENING		
	14'	14'-22'	8d NAILS @ 6" O.C.	4'	10'		
	14'	24'	8d NAILS @ 4" O.C.	4'	10'		
	14'	14'-18'	8d NAILS @ 6" O.C.	6'	8'		
	14'	20'-24'	8d NAILS @ 4" O.C.	6'	8'		
	14'	14'-20'	8d NAILS @ 4" O.C.	8'	6'		
	14'	22'-24'	8d NAILS @ 3" O.C.	8'	6'		
	16'	16'-24'	8d NAILS @ 6" O.C.	4'	12'		
	16'	16'-20'	8d NAILS @ 6" O.C.	6'	10'		
	16'	22'-24'	8d NAILS @ 4" O.C.	6'	10'		
	16'	16'	8d NAILS @ 6" O.C.	8'	8'		
	16'	18'-22'	8d NAILS @ 4" O.C.	8'	8'		

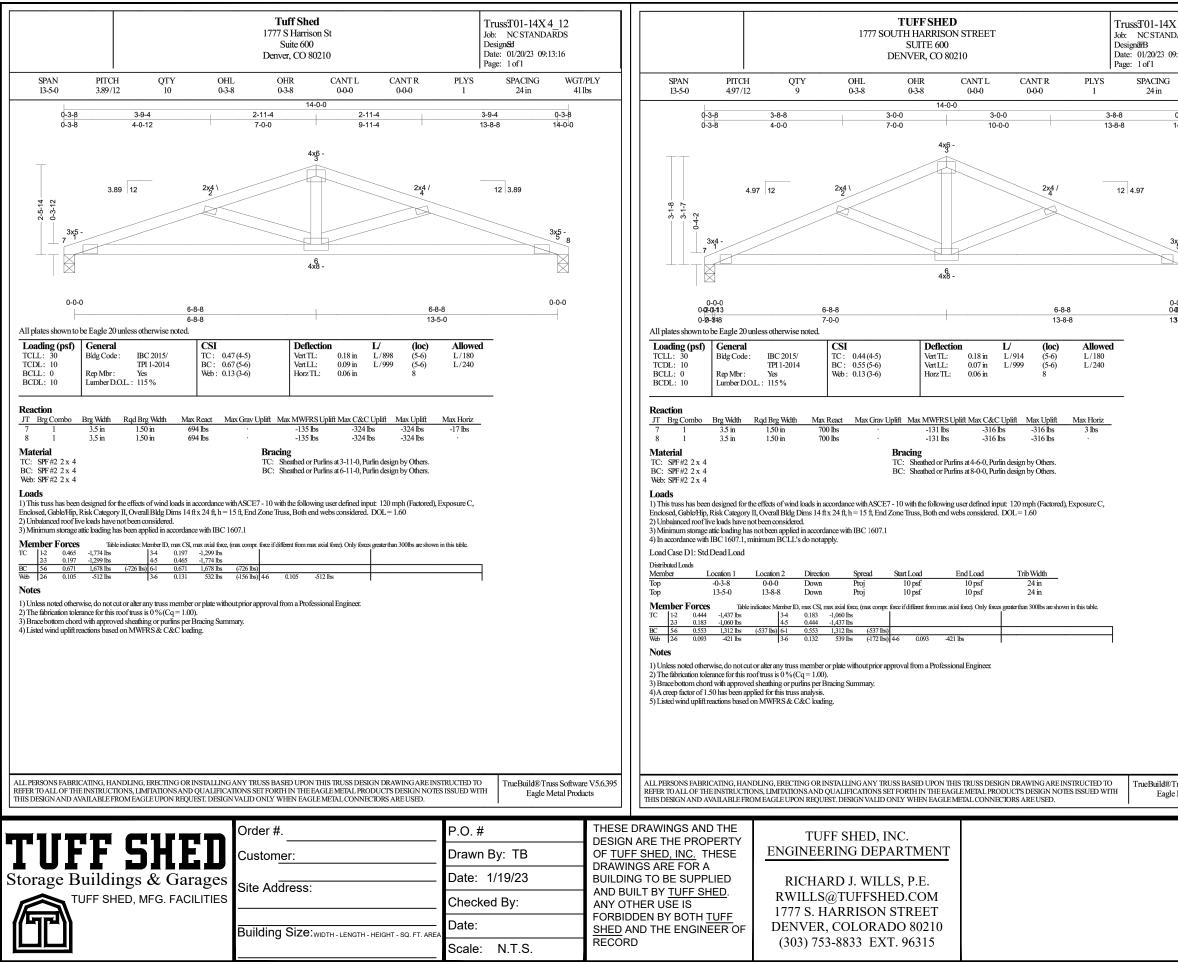
TITLE	DRAWING NO.
GENERAL NOTES	NC-PPTR-TR800-02
NAILING REQUIREMENTS	REV. LEVEL 01
120 MPH, EXP. C	SHEET 1
	PAGE 1 OF 4



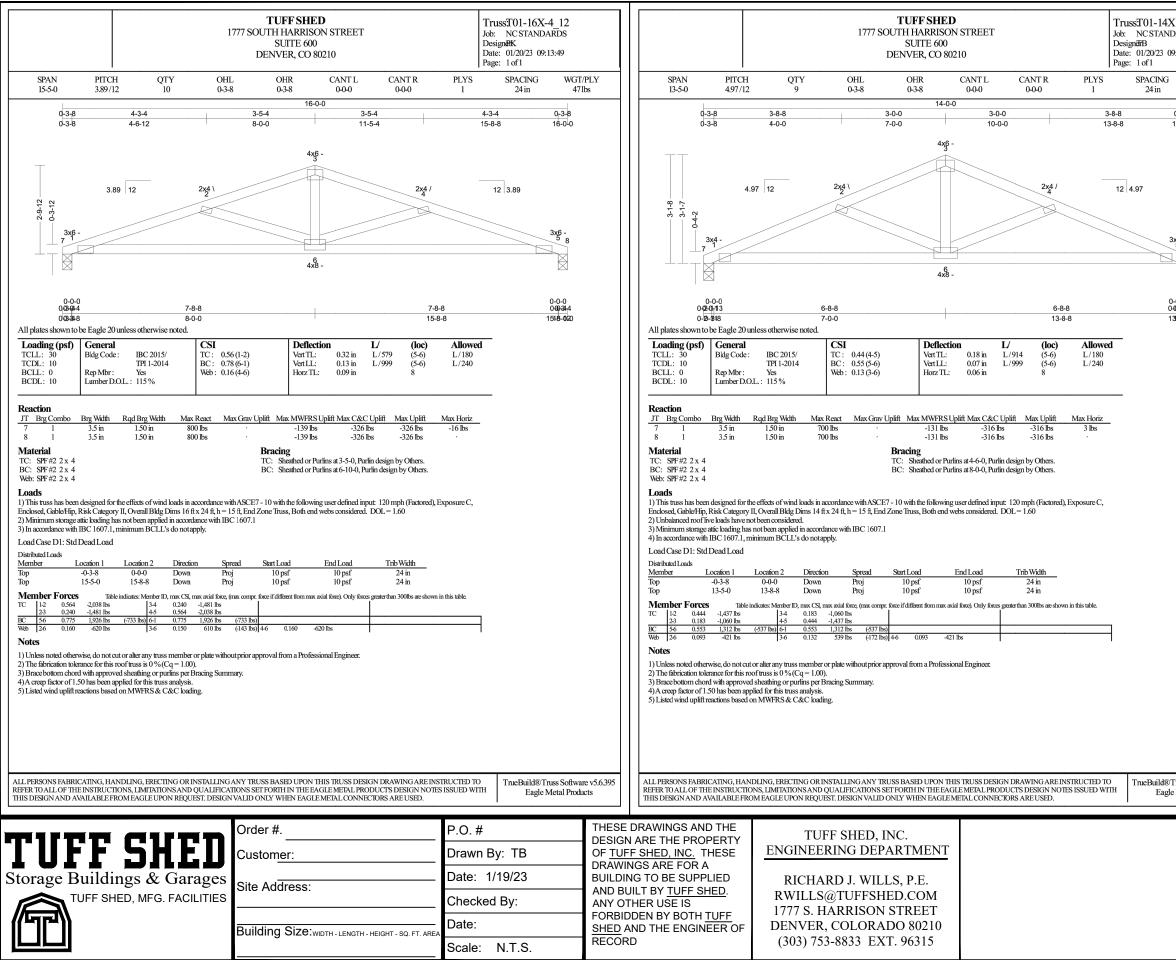
28 MAR 2023



28 MAR 2023



		120 MPH, EXP. C	SHEET 4
		TRUSS DETAILS	NC-PPTR-TR800-02
Truss Software V5.6.395 Metal Products	TITLE		DRAWING NO.
-0-0 @-2311 349-05-0			
x5 8			
0-3-8 14-0-0			
WGT/PLY 421bs			
(5_12 DARDS			



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Truss Software V5.6.395 Metal Products			
	TITLE		DRAWING NO.
		TRUSS DETAILS	NC-PPTR-TR800-02
			REV. LEVEL 01
		120 MPH, EXP. C	SHEET 4
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			PAGE 4 OF 4