

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 19610-19610A Pinehurtst C Vault

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I35695768 thru I35695773

My license renewal date for the state of North Carolina is December 31, 2019.

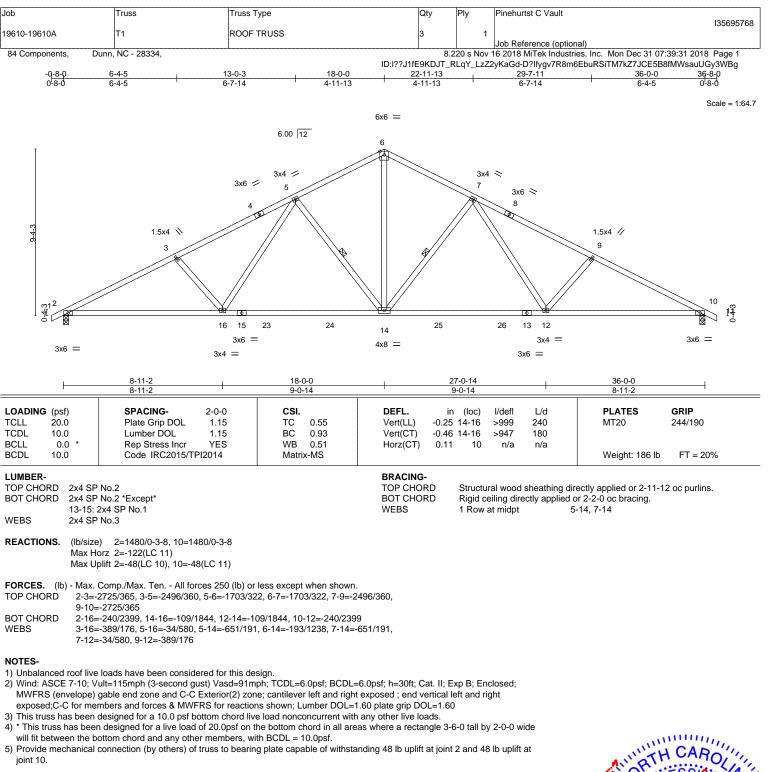
North Carolina COA: C-0844



January 2,2019

Sevier, Scott

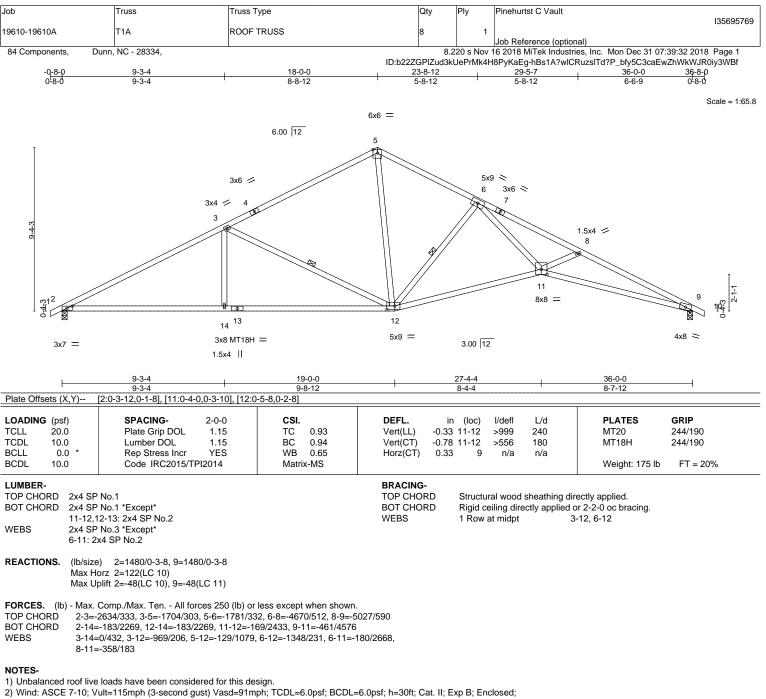
IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.





WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designe. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





 Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclos MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
All plates are MT20 plates unless otherwise indicated.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

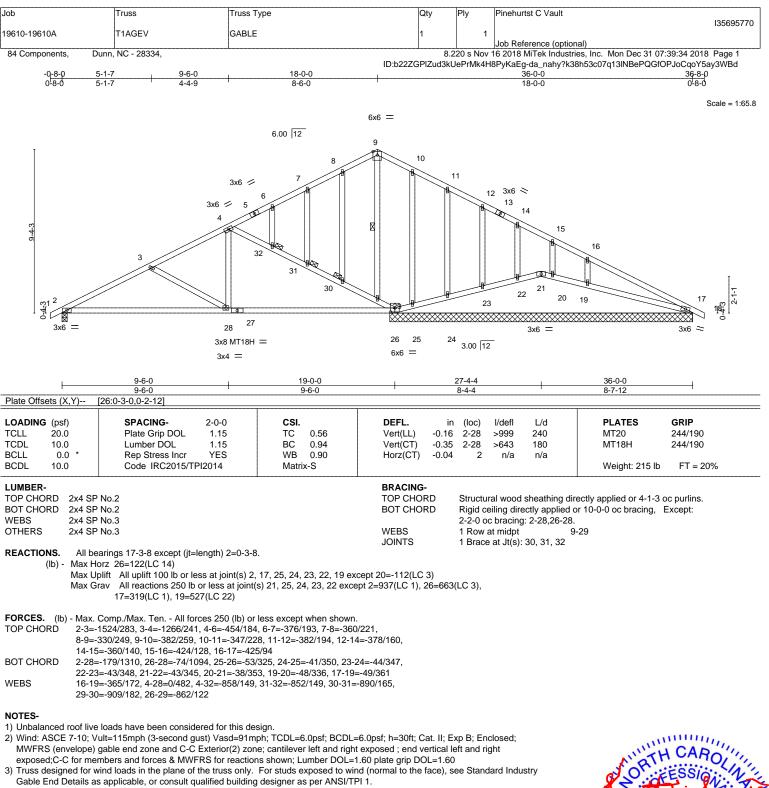
6) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 2 and 48 lb uplift at joint 9.



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818 Soundside Road Edenton, NC 27932

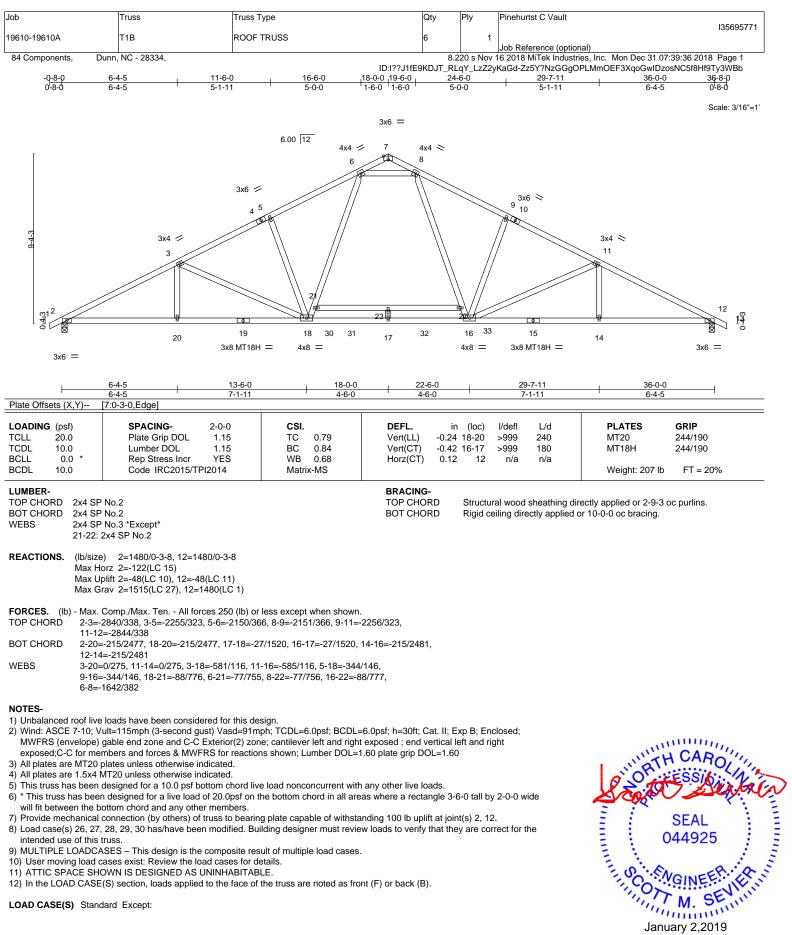


- 4) All plates are MT20 plates unless otherwise indicated.5) All plates are 1.5x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide
- will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 25, 24, 23, 22, 19 except (jt=lb) 20=112.



ENGINEERING BY EREENCO A MITek Atfiliate 818 Soundside Road Edenton, NC 27932

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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



[Job	Truss	Truss Type	Qty	Ply	Pinehurtst C Vault
						135695771
	19610-19610A	T1B	ROOF TRUSS	6	1	
						Job Reference (optional)
84 Components, Dunn, NC - 28334,				8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Dec 31 07:39:36 2018 Page 2		

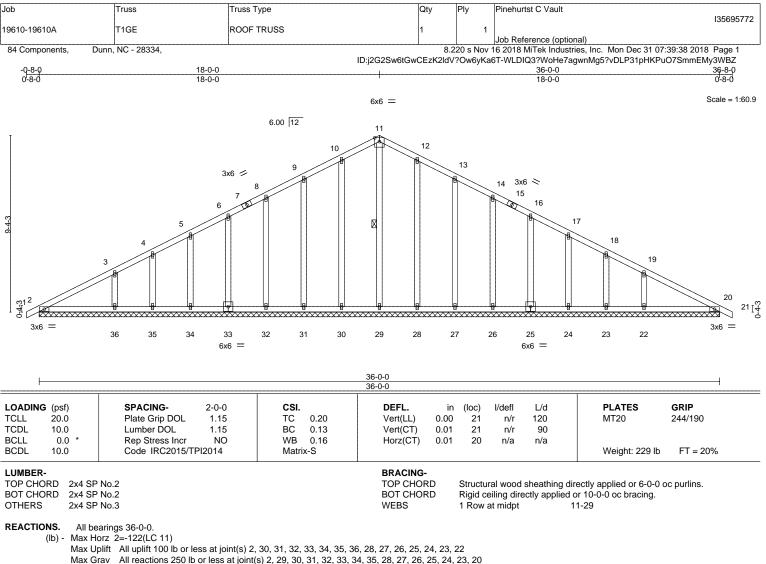
8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Dec 31 07:39:36 2018 Page 2 ID:I??J1fE9KDJT_RLqY_LzZ2yKaGd-Zz5Y?NzGGgOPLMmOEF3XqoGwIDzosNC5f8Hf9Ty3WBb

LOAD CASE(S) Standard Except:

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
- Vert: 1-7=-60, 7-13=-60, 24-27=-20 26) User defined: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
 - Vert: 1-7=-60(F), 7-12=-60(F), 24-27=-20(F)
- 27) 1st User Defined Moving Load User defined: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
- Vert: 1-7=-60(F), 7-12=-60(F), 24-30=-20(F), 30-31=-50(F=-20), 27-31=-20(F) 28) 2nd User Defined Moving Load - User defined: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
- Vert: 1-7=-60(F), 7-12=-60(F), 24-31=-20(F), 17-31=-50(F=-20), 17-27=-20(F)
- 3rd User Defined Moving Load User defined: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
- Vert: 1-7=-60(F), 7-12=-60(F), 17-24=-20(F), 17-32=-50(F=-20), 27-32=-20(F) 30) 4th User Defined Moving Load - User defined: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
 - Vert: 1-7=-60(F), 7-12=-60(F), 24-32=-20(F), 32-33=-50(F=-20), 27-33=-20(F)

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Grav All reactions 250 lb or less at joint(s) 2, 29, 30, 31, 32, 33, 34, 35, 28, 27, 26, 25, 24 except 36=320(LC 21), 22=320(LC 22)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-

2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

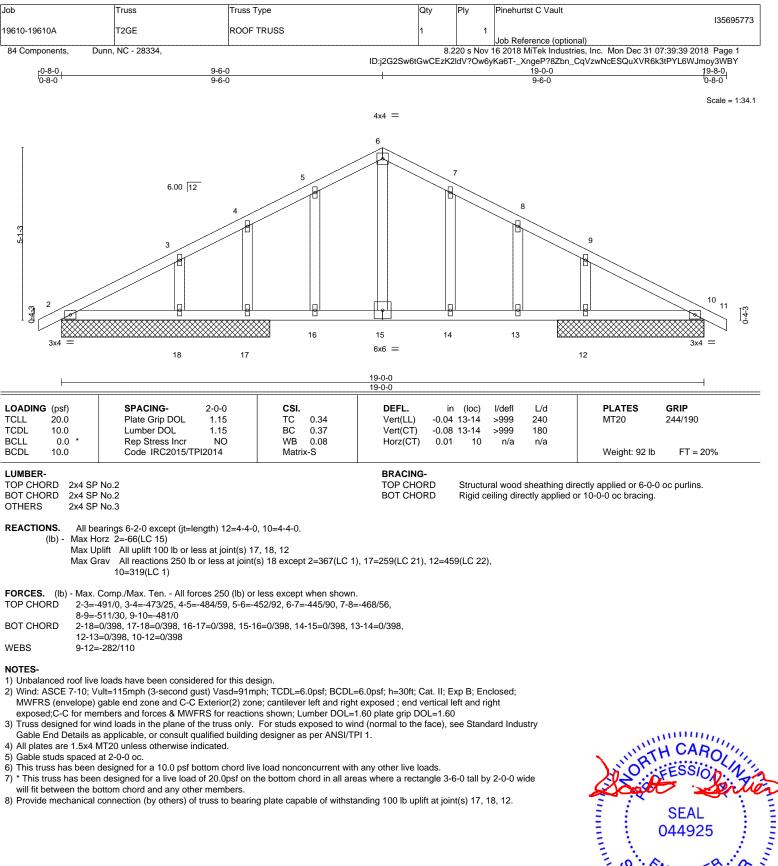
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 30, 31, 32, 33, 34, 35, 36, 28, 27, 26, 25, 24, 23, 22.



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¹⁾ Unbalanced roof live loads have been considered for this design.



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🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MILER KETEKERICE FAGE MILETATION, INVERTIGATION AND INCLUDED MILER KETEKERICE FAGE MILETATION, INVERTIGATION DELICATE COLLEGATION AND INCLUDED MILER KETEKERICE FAGE MILETATION, INVERTIGATION DELICATE COLLEGATION AND INCLUDED MILER KETEKERICE FAGE MILETATION DELICATE COLLEGATION AND INVERTIGATION AND INVERTICALIA AND fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

