

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 23774A

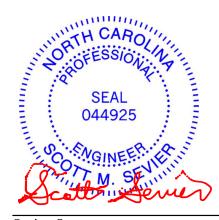
Ext Porch 25x12 Hip

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: I41054839 thru I41054852

My license renewal date for the state of North Carolina is December 31, 2020.

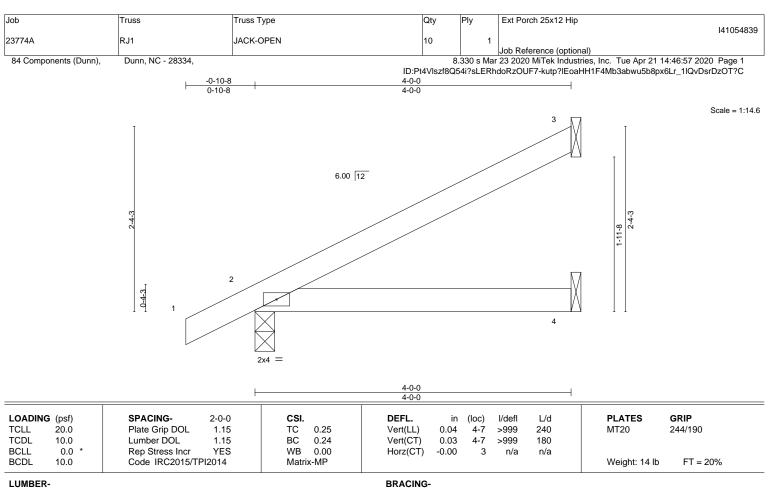
North Carolina COA: C-0844



April 22,2020

Sevier, Scott

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2

2x4 SP No.2 BOT CHORD

> 3=Mechanical, 2=0-3-0, 4=Mechanical Max Horz 2=122(LC 12)

Max Uplift 3=-80(LC 12), 2=-61(LC 12), 4=-31(LC 9) Max Grav 3=100(LC 1), 2=216(LC 1), 4=72(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.



Structural wood sheathing directly applied or 4-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing

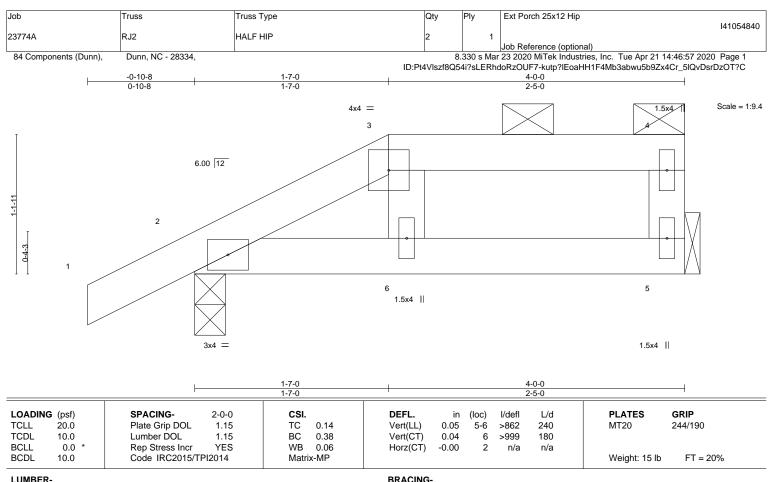


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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 permanent. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

2x4 SP No.3 **WEBS**

> (size) 5=Mechanical, 2=0-3-0 Max Horz 2=62(LC 12) Max Uplift 5=-97(LC 9), 2=-86(LC 9) Max Grav 5=148(LC 1), 2=213(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 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) Refer to girder(s) for truss to truss connections.
- 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 2. This connection is for uplift only and does not consider lateral forces.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 4-0-0 oc purlins,

except end verticals, and 2-0-0 oc purlins: 3-4.

Rigid ceiling directly applied or 10-0-0 oc bracing

MARNING - 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

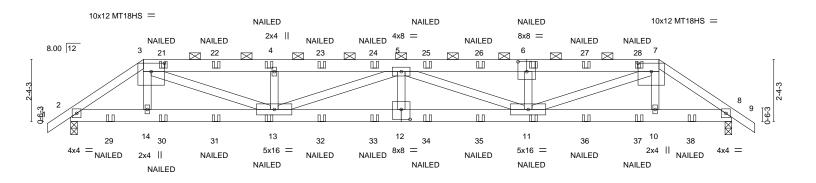
ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Sefety Information, available from Truss Plate pictities 218 N. Les Street, Suite 312, Alexanderia, VA 22314. fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Qua
Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ext Porch 25x12 Hip 141054841 RP1 23774A HIP GIRDER Job Reference (optional) 8.330 s Mar 23 2020 MiTek Industries, Inc. Tue Apr 21 14:46:59 2020 Page 1 84 Components (Dunn), Dunn, NC - 28334, ID:Pt4Vlszf8Q54i?sLERhdoRzOUF7-hH?aQRF25uXlUOWzA?dOzWgOullCJf81tDizv5zOT?A -0-10-8 0-10-8 17-3-10 22-3-0 25-0-0 2-9-0 4-11-6 4-9-10 4-9-10 4-11-6 2-9-0 0-10-8

Scale = 1:43.6



2-9-0 2-9-0	7-8-6 4-11-6	12-6-0 4-9-10	17-3-10 4-9-10	22-	3-0 25-0-0 1-6 2-9-0
Plate Offsets (X,Y) [3:0-6-0,0-3-13], [6:0-4-0,0-4-8], [7:0-6-	0,0-3-13], [12:0-4-0,0-4-8]			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.60 BC 0.41 WB 0.99 Matrix-MS	DEFL. in (loc) Vert(LL) 0.40 12 Vert(CT) -0.40 12 Horz(CT) 0.05 8	>742 180	PLATES GRIP MT20 244/190 MT18HS 244/190 Weight: 156 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-2x4 SP No.2 *Except* TOP CHORD

3-6,6-7: 2x6 SP No.2

2x6 SP DSS

BOT CHORD 2x4 SP No.3 **WEBS**

REACTIONS. (size) 2=0-3-0, 8=0-3-0

Max Horz 2=81(LC 11)

Max Uplift 2=-979(LC 9), 8=-979(LC 8) Max Grav 2=1539(LC 1), 8=1539(LC 1)

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

TOP CHORD 2-3=-2351/2034, 3-4=-4085/3614, 4-5=-4082/3612, 5-6=-4088/3616, 6-7=-4078/3609,

7-8=-2351/2033

BOT CHORD 2-14=-1604/1928, 13-14=-1620/1944, 12-13=-4180/4851, 11-12=-4180/4851,

10-11=-1628/1944, 8-10=-1611/1928

WEBS 3-14=-223/256, 3-13=-2016/2317, 4-13=-437/331, 5-13=-836/733, 5-12=-233/295,

5-11=-830/729, 6-11=-437/331, 7-11=-2011/2311, 7-10=-222/256

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding
- 4) All plates are MT20 plates unless otherwise indicated
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * 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.
- 7) Two H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-7=-60, 7-9=-60, 15-18=-20



Structural wood sheathing directly applied or 3-9-3 oc purlins, except

2-0-0 oc purlins (3-4-2 max.): 3-7.

Rigid ceiling directly applied or 4-2-2 oc bracing.

Continued on page 2

MARNING - 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 INCLUDE MITCH REPRESENCE FACE MITCH SERVING AND INCLUDE MITCH SERVING AND INCLUD 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.



Job	Truss	Truss Type	Qty	Ply	Ext Porch 25x12 Hip
007744	554	LUD OLDDED			I41054841
23774A	RP1	HIP GIRDER	1	1	
		I	1	1	IJob Reference (optional)

84 Components (Dunn),

Dunn, NC - 28334,

8.330 s Mar 23 2020 MiTek Industries, Inc. Tue Apr 21 14:46:59 2020 Page 2 ID:Pt4Vlszf8Q54i?sLERhdoRzOUF7-hH?aQRF25uXlUOWzA?dOzWgOullCJf81tDizv5zOT?A

LOAD CASE(S) Standard

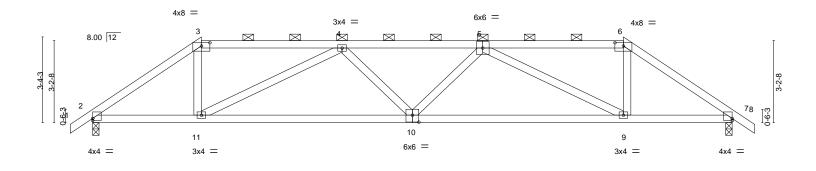
Concentrated Loads (lb)

Vert: 13=-31(B) 4=-40(B) 6=-40(B) 11=-31(B) 21=-40(B) 22=-40(B) 23=-40(B) 24=-40(B) 25=-40(B) 25=-40(B) 27=-40(B) 28=-40(B) 29=-128(B) 30=-31(B) 31=-31(B) 32=-31(B) 33=-31(B) 35=-31(B) 35=-31



Job	Truss	Truss Type		Qty	Ply	Ext Porch 25x12 Hip		
								I41054842
23774A	RP2	HIP		1	1			
						Job Reference (optional)		
84 Components (Dunn),	Dunn, NC - 28334,			8.	330 s Mar	23 2020 MiTek Industries, Inc	c. Tue Apr 21 14:47:00 2	2020 Page 1
			ID:Pt4\	/lszf8Q54i	?sLERhdo	RzOUF7-9TZyemGgsCfc6Y5	5Akj8dVjDaP8_a296B6tS	SWRYzOT?9
-0-10-8 ₁	4-3-0	9-9-0	15-3-0		1	20-9-0	25-0-0	25-10-8
o-10-8 ¹	4-3-0	5-6-0	5-6-0			5-6-0	4-3-0	0-10-8

Scale = 1:45.0



	—	4-3-0 4-3-0		12-6-0 8-3-0		20-9 8-3-		25-0-0 4-3-0	
Plate Offse	ets (X,Y)),0-1-9], [6:0-4-0,	0-3-0 0-1-9], [7:0-0-0,0-1-0], [1(0:0-3-0,0-3-4]	0-3-	-0	4-3-0	
LOADING	VI /	SPACING-	2-0-0	CSI.	DEFL.	(/	/defl L/d	PLATES	GRIP
TCLL TCDL	20.0 10.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC 0.55 BC 0.85	Vert(LL) Vert(CT)		882 240 990 180	MT20	244/190
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code IRC2015/		WB 0.81 Matrix-MS	Horz(CT)	0.07 7	n/a n/a	Weight: 118 lb	FT = 20%

TOP CHORD

BOT CHORD

BRACING-LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2

WEBS 2x4 SP No.3

REACTIONS. (size) 2=0-3-0, 7=0-3-0 Max Horz 2=112(LC 11)

Max Uplift 2=-557(LC 9), 7=-557(LC 8) Max Grav 2=1053(LC 1), 7=1053(LC 1)

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

TOP CHORD 2-3=-1541/1649, 3-4=-1200/1387, 4-5=-2155/2455, 5-6=-1200/1387, 6-7=-1541/1649

BOT CHORD $2\text{-}11\text{=-}1259/1227,\ 10\text{-}11\text{=-}2103/2068,\ 9\text{-}10\text{=-}2105/2068,\ 7\text{-}9\text{=-}1264/1227}$ 3-11=-743/568, 4-11=-1016/991, 4-10=-282/249, 5-10=-282/249, 5-9=-1016/991, **WEBS**

6-9=-743/568

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 7. This connection is for uplift only and does not consider lateral forces.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 4-5-7 oc purlins, except

2-0-0 oc purlins (3-9-9 max.): 3-6.

Rigid ceiling directly applied or 3-6-6 oc bracing.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

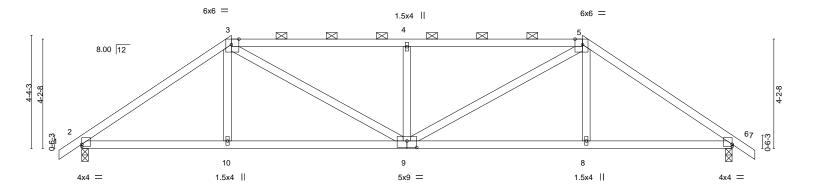
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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

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.



Job	Truss	Truss Type	Qty	Ply	Ext Porch 25x12 I	Hip	
							I41054843
23774A	RP3	HIP	1	1			
					Job Reference (op	otional)	
84 Components (Dunn),	Dunn, NC - 28334,		8	.330 s Mar	23 2020 MiTek Inc	dustries, Inc. Tue Apr 21 14:4	7:01 2020 Page 1
			ID:Pt4Vlszf8Q54	i?sLERhdo	RzOUF7-dg7Kr6H	IIdWnTkigMIQgs2xmjVYP6nd	CKKXB4zOT?8
-0-10-8 ₁	5-9-0	12-6-0	1	19-3-0		25-0-0	25-10-8
0-10-8	5-9-0	6-9-0		6-9-0		5-9-0	0-10-8 ¹

Scale = 1:44.3



<u> </u>	5-9-0	12-6-0	19-3-0	25-0-0
	5-9-0	6-9-0	6-9-0	5-9-0
Plate Offsets (X,Y)	- [2:0-0-0,0-1-0], [3:0-3-8,Edg	e], [5:0-3-8,Edge], [6:0-0-0,0-1-0], [9:0-4-8,	0-3-0]	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	Plate Grip DOL Lumber DOL	2-0-0 CSI. 1.15 TC 0.66 1.15 BC 0.51 YES WB 0.76 014 Matrix-MS	DEFL. in (loc) l/defl L/d Vert(LL) 0.18 9-10 >999 240 Vert(CT) -0.16 9-10 >999 180 Horz(CT) 0.04 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 120 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2

WEBS 2x4 SP No.3

REACTIONS. (size) 2=0-3-0, 6=0-3-0 Max Horz 2=-145(LC 10)

Max Uplift 2=-509(LC 9), 6=-509(LC 8) Max Grav 2=1053(LC 1), 6=1053(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1480/1535, 3-4=-1682/1895, 4-5=-1682/1895, 5-6=-1480/1535 BOT CHORD 2-10=-1142/1156, 9-10=-1131/1151, 8-9=-1133/1151, 6-8=-1144/1156 **WEBS** 3-10=-297/248, 3-9=-644/682, 4-9=-486/331, 5-9=-644/682, 5-8=-296/248

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- 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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 4-5-7 oc purlins, except

2-0-0 oc purlins (3-8-8 max.): 3-5.

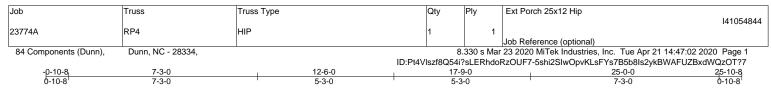
Rigid ceiling directly applied or 5-3-10 oc bracing.

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

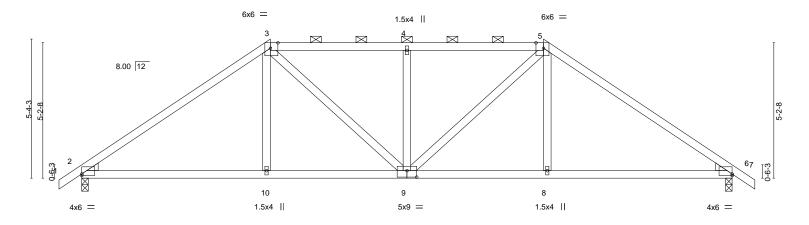
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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

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Scale = 1:44.3



	7-3-0 7-3-0	12-6-0 5-3-0	17-9-0 5-3-0	25-0-0 7-3-0	
Plate Offsets (X,Y)	[2:0-0-0,0-0-12], [3:0-3-8,Edge], [5:0-			7-0-0	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	TC 0.80 BC 0.52	DEFL. in (loc) I/defl Vert(LL) 0.18 8-16 >999 Vert(CT) -0.14 8-16 >999 Horz(CT) -0.04 6 n/a	L/d PLATES GRIP 240 MT20 244/190 180 n/a Weight: 125 lb FT = 209	%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.3

WEDGE

Left: 2x4 SP No.3, Right: 2x4 SP No.3

REACTIONS. (size) 2=0-3-0, 6=0-3-0

Max Horz 2=178(LC 11)

Max Uplift 2=-456(LC 9), 6=-456(LC 8) Max Grav 2=1053(LC 1), 6=1053(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1418/1438, 3-4=-1299/1498, 4-5=-1299/1498, 5-6=-1418/1438 **BOT CHORD** 2-10=-1034/1082, 9-10=-1024/1077, 8-9=-1026/1077, 6-8=-1036/1082 WEBS 3-10=-339/273, 3-9=-326/397, 4-9=-358/257, 5-9=-326/397, 5-8=-339/273

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 2-2-0 oc purlins, except

2-0-0 oc purlins (4-10-14 max.): 3-5.

Rigid ceiling directly applied or 5-2-1 oc bracing.

MARNING - 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 permanent. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ext Porch 25x12 Hip 141054845 VR5 23774A VALLEY Job Reference (optional) 8.330 s Mar 23 2020 MiTek Industries, Inc. Tue Apr 21 14:47:05 2020 Page 1 84 Components (Dunn), Dunn, NC - 28334, ID:Pt4Vlszf8Q54i?sLERhdoRzOUF7-WRMrhUKphkHuCJz7XGkoCnwWA9sQjaawF99H7lzOT?4 20-1-14 8-10-14 7-6-0 3-9-0 Scale = 1:39.6 3x4 = 4x8 = 3 8.00 12 3x4 // 13 11 10 15 3x4 =

	ſ	20-1-14	
		20-1-14	
Plate Offsets (X,Y)	[4:0-2-0,Edge], [6:0-4-0,0-1-9]		

	0010 (71,17	[2 0,2 0,9 0], [0.0 . 0,0 . 0]			
LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.23	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.16	Vert(CT) n/a - n/a 999	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.16	Horz(CT) 0.00 8 n/a n/a	
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 95 lb FT = 20%

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.2 TOP CHORD BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 **BOT CHORD OTHERS** 2x4 SP No.3

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6. Rigid ceiling directly applied or 10-0-0 oc bracing

REACTIONS. All bearings 20-1-8.

Max Horz 1=220(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 9, 12 except 10=-133(LC 9), 13=-251(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 8 except 9=370(LC 2), 10=419(LC 26), 12=387(LC 19),

13=443(LC 19)

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

WFBS 5-10=-260/181, 2-13=-370/295

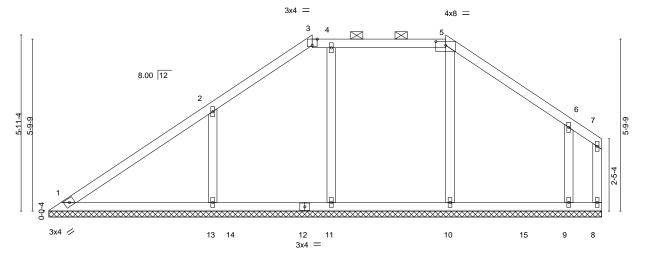
NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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, with BCDL = 10.0psf.
- 8) n/a
- 9) n/a
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Job Truss Truss Type Qty Ext Porch 25x12 Hip 141054846 VR6 23774A VALLEY Job Reference (optional) 8.330 s Mar 23 2020 MiTek Industries, Inc. Tue Apr 21 14:47:06 2020 Page 1 84 Components (Dunn), Dunn, NC - 28334, ID:Pt4Vlszf8Q54i?sLERhdoRzOUF7-_dwDuqLRS2PlqTYJ5zF1I_TflZB2S143UpvrfBzOT?3 13-4-14 18-7-14 8-10-14 4-6-0 5-3-0

Scale = 1:38.8



18-7-14

Plate Offsets (X,Y)	[3:0-2-0,Edge], [5:0-4-0,0-1-9]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.33	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.20	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Horz(CT) 0.00 8 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 86 lb FT = 20%

LUMBER-**BRACING-**

TOP CHORD TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 **BOT CHORD OTHERS** 2x4 SP No.3

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5. Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 18-7-8.

Max Horz 1=190(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 10 except 8=-119(LC 20), 11=-109(LC 9), 13=-272(LC 12),

9=-250(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 8 except 10=395(LC 26), 11=395(LC 22), 13=532(LC 19), 9=420(LC 20)

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

WEBS 2-13=-403/319, 6-9=-342/280

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding
- 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * 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, with BCDL = 10.0psf.
- 8) n/a

9) n/a

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



MARNING - 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 permanent. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ext Porch 25x12 Hip 141054847 VR7 23774A VALLEY Job Reference (optional) 8.330 s Mar 23 2020 MiTek Industries, Inc. Tue Apr 21 14:47:07 2020 Page 1 84 Components (Dunn), Dunn, NC - 28334, ID:Pt4Vlszf8Q54i?sLERhdoRzOUF7-SqUb6AM3DMXcSd7WehmGlC0tLzYiBVhDjTeOBezOT?2

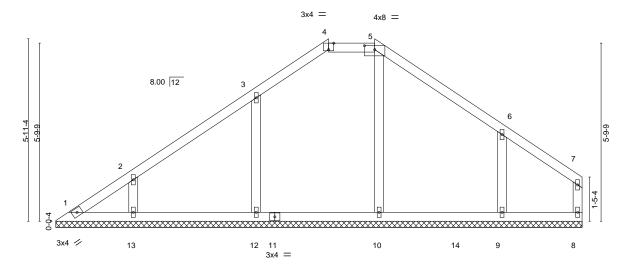
10-4-14

1-6-0

17-1-14

6-9-0

Scale = 1:37.5



17-1-14 17-1-8

Plate Offse	ets (X,Y)	[4:0-2-0,Edge], [5:0-4-0,0-1-	9]									
LOADING TCLL	(psf) 20.0		2-0-0 1.15	CSI.	0.18	DEFL. Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI20	014	Matri	x-S						Weight: 76 lb	FT = 20%

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, BOT CHORD 2x4 SP No.2 except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5. WEBS 2x4 SP No.3 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing **OTHERS** 2x4 SP No.3

8-10-14

REACTIONS. All bearings 17-1-8.

Max Horz 1=181(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 8 except 12=-164(LC 12), 13=-190(LC 12), 9=-260(LC 13) Max Grav All reactions 250 lb or less at joint(s) 1, 8 except 10=374(LC 2), 12=429(LC 19), 13=301(LC 19), 9=388(LC 20)

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

WFBS 3-12=-287/213, 2-13=-292/231, 6-9=-331/283

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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, with BCDL = 10.0psf.
- 8) n/a

9) n/a

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



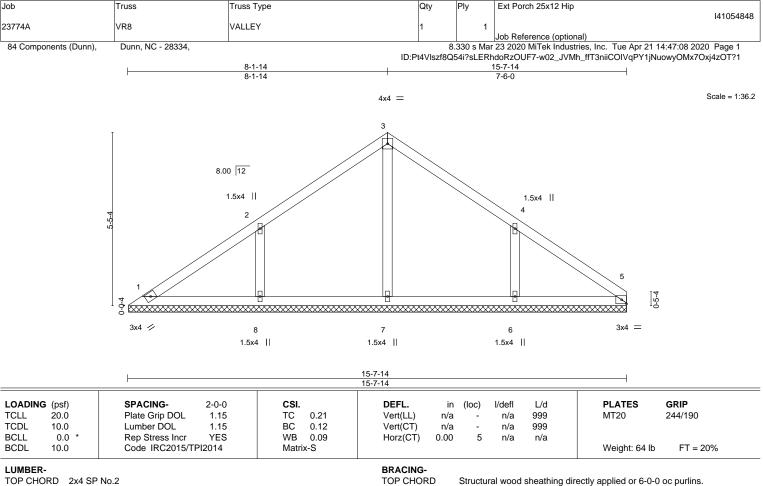
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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

ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Sefety Information, available from Truss Plate pictities 218 N. Les Street, Suite 312, Alexanderia, VA 22314. 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.





BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

2x4 SP No.3 **OTHERS**

REACTIONS. All bearings 15-7-8.

> Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-240(LC 12), 6=-239(LC 13) Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=411(LC 19), 6=402(LC 20)

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

2-8=-353/282, 4-6=-347/280 **WEBS**

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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.



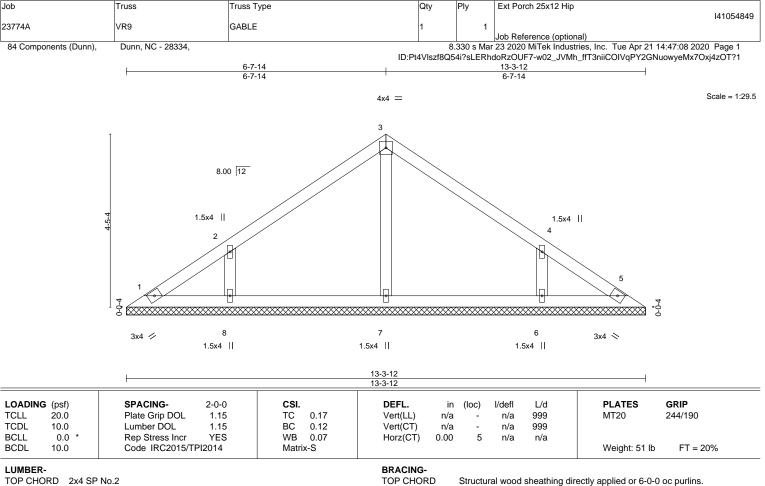


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BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

2x4 SP No.3 **OTHERS**

REACTIONS. All bearings 13-3-12.

(lb) - Max Horz 1=-137(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-203(LC 12), 6=-203(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=266(LC 1), 8=341(LC 19), 6=341(LC 20)

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

2-8=-303/245, 4-6=-303/244 **WEBS**

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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.



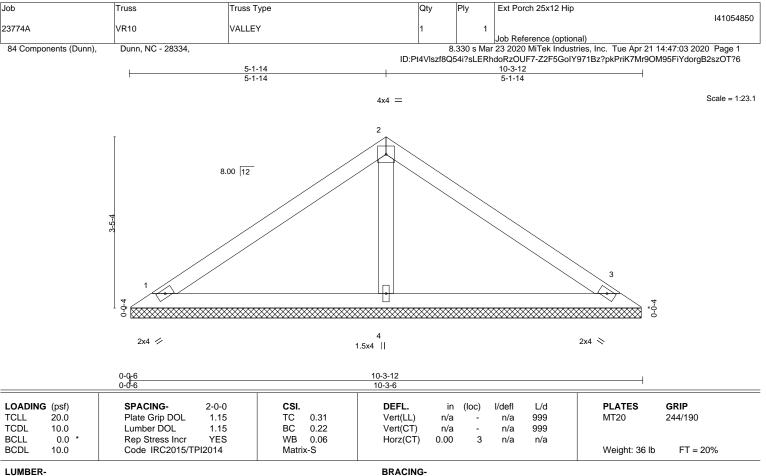


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD 2x4 SP No.3 **OTHERS**

REACTIONS.

1=10-3-0, 3=10-3-0, 4=10-3-0 (size)

Max Horz 1=-104(LC 8)

Max Uplift 1=-64(LC 12), 3=-78(LC 13), 4=-59(LC 12)

Max Grav 1=184(LC 1), 3=188(LC 20), 4=380(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

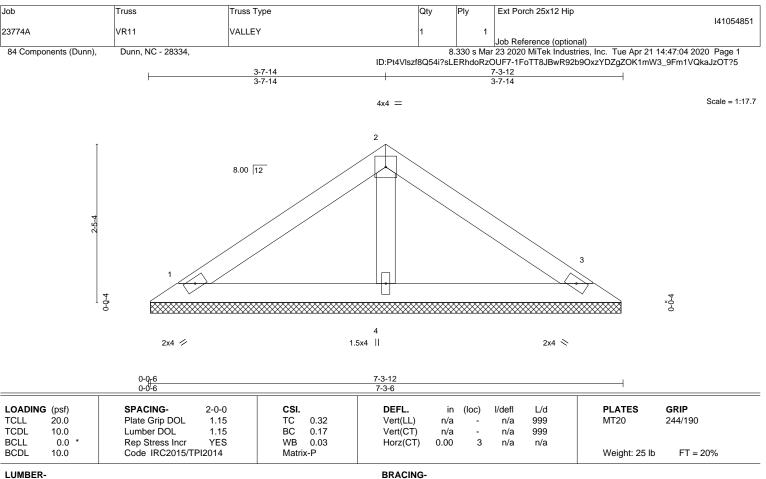
Rigid ceiling directly applied or 10-0-0 oc bracing

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.3 2x4 SP No.3 BOT CHORD 2x4 SP No.3 **OTHERS**

REACTIONS.

1=7-3-0, 3=7-3-0, 4=7-3-0 (size)

Max Horz 1=-71(LC 8)

Max Uplift 1=-54(LC 12), 3=-63(LC 13), 4=-20(LC 12) Max Grav 1=136(LC 1), 3=137(LC 20), 4=236(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing

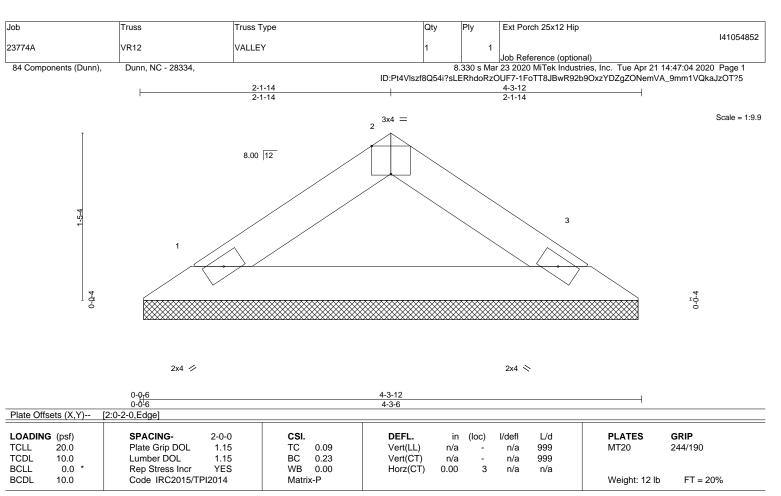


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LUMBER-

TOP CHORD 2x4 SP No.3 2x4 SP No.3 BOT CHORD

BRACING-

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 4-3-12 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. 1=4-3-0, 3=4-3-0 (size)

Max Horz 1=-37(LC 8) Max Uplift 1=-34(LC 12), 3=-34(LC 13)

Max Grav 1=134(LC 1), 3=134(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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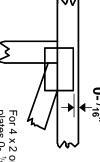


Symbols

PLATE LOCATION AND ORIENTATION



offsets are indicated. Center plate on joint unless x, y and fully embed teeth Apply plates to both sides of truss Dimensions are in ft-in-sixteenths.



plates 0- 1/16" from outside For 4 x 2 orientation, locate edge of truss.

connector plates. required direction of slots in This symbol indicates the

* Plate location details available in MiTek 20/20 software or upon request

PLATE SIZE

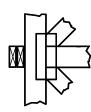
to slots. Second dimension is the length parallel to slots. width measured perpendicular The first dimension is the plate

LATERAL BRACING LOCATION



by text in the bracing section of the output. Use T or I bracing if indicated. Indicated by symbol shown and/or

BEARING



Min size shown is for crushing only number where bearings occur. reaction section indicates joint (supports) occur. Icons vary but Indicates location where bearings

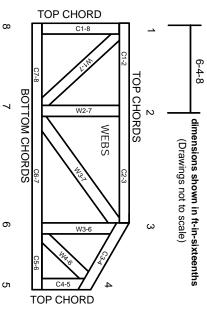
Industry Standards:

National Design Specification for Metal

DSB-89: ANSI/TPI1:

Guide to Good Practice for Handling **Building Component Safety Information** Design Standard for Bracing. Connected Wood Trusses. Installing & Bracing of Metal Plate Plate Connected Wood Truss Construction.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

truss unless otherwise shown. Trusses are designed for wind loads in the plane of the

established by others. section 6.3 These truss designs rely on lumber values Lumber design values are in accordance with ANSI/TPI 1

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Damage or Personal Injury Failure to Follow Could Cause Property

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Ņ Truss bracing must be designed by an engineer. For bracing should be considered may require bracing, or alternative Tor I wide truss spacing, individual lateral braces themselves
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- designer, erection supervisor, property owner and all other interested parties. Provide copies of this truss design to the building
- Cut members to bear tightly against each other

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- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 10. Camber is a non-structural consideration and is the camber for dead load deflection responsibility of truss fabricator. General practice is to
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that
- Top chords must be sheathed or purlins provided at spacing indicated on design
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted
- 15. Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer
- 17. Install and load vertically unless indicated otherwise
- Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- 19. Review all portions of this design (front, back, words is not sufficient. and pictures) before use. Reviewing pictures alone
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.