

BLOCK SOLID UNDER ALL POST /POINT LOADS FROM ABOVE - TYPICAL AT ALL LOCATIONS

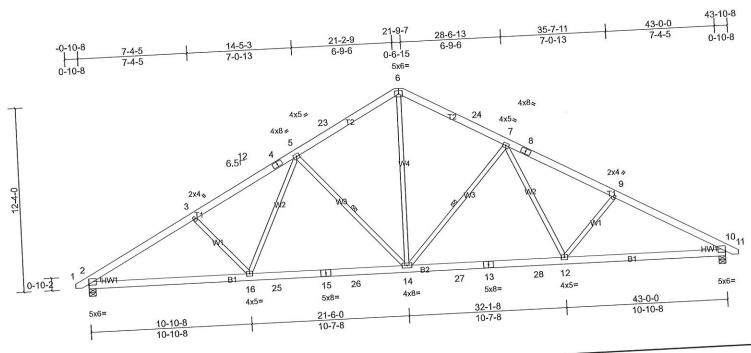
PROJECT NUMBER REVISIONS
20020001 DATE BY
SHEET NUMBER 3-26-20 LEE ATKINS
HILLMON GROVE ROAD / JACKSON
ROOF TRUSS LAYOUT

ROOF LAYOUT DRAWING SCALE : N



				ONSITE / HILLMON GROVE ROAD
		Qty	Ply	ONSITE / HILLIMON SINGTE
Truss	Truss Type	5	1	Job Reference (optional)
Job A1	Common	3		
20020001 AT		Run: 8.33 S Mar 10 2020 F	nnt: 8.330 ROt6ukYm(	S Mar 10 2020 MiTek Industries, Inc. 110 Apri 02 16.0006 DHcKsRzBcy81Bu-mXbv?0y?JUObKKGQG_yoUAR2M_GtlaBup38pSMzUIYz

ID:W4jYL8Ot6ukYmOHcKsRzBcy81Bu-mXbv?0y?JUObKKGQG\_yoUAR2M\_GtlaBup38pSMzUlYz Carter Components - Sanford, Sanford, NC, user



Scale = 1:74.5  Plate Offsets (X, Y)	10-Edge 0-0-15	[10:Edge,0-0-15]					1	(loc)	I/defl	L/d	PLATES	GRIP
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.46 0.76 0.65	Vert(CT)	0.2	14-16 14-16 10	>999 >999 n/a	180 n/a	MT20	244/190
Snow (Pf/Pg) TCDL BCLL BCDL	10.0 0.0* 10.0	Rep Stress Incr Code	IRC2015/TPI2014			NC.					Weight: 310 lb	
LUMBER	o o CD No 2				BRACII TOP CH BOT CH		Rigid	ural woo	irectly a	thing di applied	or 10-0-0 oc bra 5-14, 7-14	3-10-12 oc purlins. cing.

WEBS

MiTek recommends that Stabilizers and required cross bracing be

installed during truss erection, in accordance with Stabilizer

Installation guide.

LUMBER	

2x6 SP No.2 TOP CHORD 2x6 SP No.2 BOT CHORD 2x4 SP No.2

WEBS Left: 2x4 SP No.3 WEDGE

Right: 2x4 SP No.3

2=1488/0-5-8, (min. 0-2-1), 10=1488/0-5-8, (min. 0-2-1) REACTIONS (lb/size)

Max Horiz 2=187 (LC 14)

Max Grav 2=1760 (LC 2), 10=1760 (LC 2)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-2890/507, 3-4=-2661/481, 4-5=-2506/503, 5-23=-1921/430, 6-23=-1832/465, 6-24=-1832/465, 7-24=-1921/430, **FORCES** 

7-0--2300/303, 0-9--200 (/401, 9-10--2031/307) 2-16=-339/2574, 16-25=-191/2163, 15-25=-191/2163, 15-26=-191/2163, 14-26=-191/2163, 14-27=-191/2057, 13-28=-191/2057, 10-12=-340/2435 TOP CHORD **BOT CHORD** 

5-16=-27/543, 3-16=-337/212, 5-14=-738/255, 6-14=-264/1389, 7-14=-738/255, 7-12=-27/543, 9-12=-337/212 WEBS

- Unbalanced roof live loads have been considered for this design.

  Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; United States (2) and C-C Exterior (2) zone; United States (2) and C-C Exterior (2) zone; United States (2) and C-C Exterior (2) zone; United States (3) and C-C Exterior (3) zone; United States (3) and C-C Exterior (3) zone; United States (3) and C-C Exterior (3) zone; United States (3) zon NOTES Cantilever lett and right exposed , end vertical lett and right exposed, or for members and forces a myvirits for reactions shown; Lumber DOL=1.00 plate grip DOL=1.15 Plate TCLL: ASCE 7-10; Pr=20.0 psf (foof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL=
- 2)
- Unparanced snow loads have been considered for this design.

  This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 Unbalanced snow loads have been considered for this design. Inis truss has been designed for greater of min roof live load of 12.0 pst of 2.00 times flat roof load of 13.9 pst on overhangs non-concurrent with 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

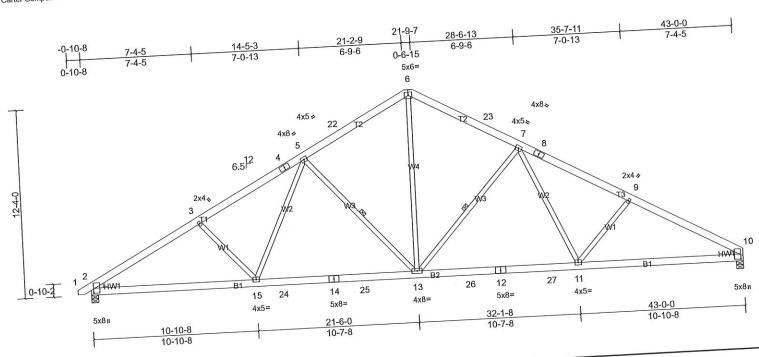
  This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

  This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- any outer members, with DCDL = 10.0psi.

  This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

				ONSITE / HILLMON GROVE ROAD
		Qty	Ply	ONSITE / HILLIWON GROTE
Tro Tro	uss Truss Type	6	1	Job Reference (optional)
Job A	Common	0		
20020001	A NO Heat	Run: 8,33 S Mar 10 2020 F	ovxAzDsO7	Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 15-4-04 33Cqkk_Ncy819u-mXbv?0y?JUObKKGQG_yoUAR4q_GxlaAup38pSMzUIYz

ID:miSxCvxAzDsO733Cqkk\_Ncy819u-mXbv?0y?JUObKKGQG\_yoUAR4q\_GxlaAup38pSMzUlYz



Scale = 1:72.8	50:0.4.0.0.1-A1	[10:0-4-0.0-1-4]						(100)	I/defl	L/d	PLATES	GRIP
Plate Offsets (X, Y)		Spacing	2-0-0	CSI	0.37	DEFL Vert(LL)	in -0.20	(loc) 13-15	>999	240 180	MT20	244/190
Loading TCLL (roof)		Plate Grip DOL	1.15 1.15	TC BC	0.76	Vert(CT) Horz(CT)	-0.36 0.10	13-15 10	>999 n/a	n/a		
Snow (Pf/Pg)	13.9/20.0 10.0	Lumber DOL Rep Stress Incr	YES IRC2015/TPI2014	WB Matrix-MSH	0,66	11012(01)					Weight: 308 lb	FT = 20%
TCDL BCLL	0.0* 10.0	Code	IRG2013/11 123								1	
BCDL	1011				BRACI	NG LOPP	Struct	ural woo	d sheat	hing d	irectly applied or	4-0-11 oc purlins.
LUMBER	o o CD No 2				TOP CH BOT CH	• • •	Rigid	ceiling d	irectly a	pplied	or 10-0-0 oc bra 5-13, 7-13	onig.

WEBS

MiTek recommends that Stabilizers and required cross bracing be

installed during truss erection, in accordance with Stabilizer

Installation guide.

LUMBER

2x6 SP No.2 TOP CHORD BOT CHORD 2x6 SP No.2 2x4 SP No.2

WEBS Left: 2x4 SP No.3 WEDGE

Right: 2x4 SP No.3

2=1488/0-5-8, (min. 0-2-1), 10=1456/0-5-8, (min. 0-2-0) REACTIONS (lb/size) Max Horiz 2=186 (LC 14)

Max Grav 2=1760 (LC 2), 10=1720 (LC 2)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. (ID) - INIAX. CONTIP./INIAX. Tell. - All forces 250 (ID) of less except when shown.

2-3=-2879/506, 3-4=-2663/482, 4-5=-2508/503, 5-22=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 7-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 6-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 6-23=-1832/465, 6-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 6-23=-1921/430, 6-22=-1832/465, 6-23=-1832/465, 6-23=-1921/430, 6-22=-1832/465, 6-23=-1832/4 **FORCES** 

TOP CHORD

7-0--2310/304, 0-9--2003/402, 9-10--2001/307 2-15=-349/2571, 15-24=-203/2161, 14-24=-203/2161, 14-25=-203/2161, 13-25=-203/2161, 13-26=-203/2054, 12-26=-203/2054, 12-27=-203/2054, 10-11=-349/2438 **BOT CHORD** 

5-15=-28/545, 3-15=-337/207, 5-13=-739/257, 6-13=-264/1389, 7-13=-740/257, 7-11=-28/547, 9-11=-338/207 WEBS

- Unbalanced roof live loads have been considered for this design.

  Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Pr=20.0 psf (foreign gust) Vasd=103mph; TCDL=1.33 psf (foreign gust) Vasd=103mph; TCDL=1.33 psf (foreign gust) Vasd=103mph; TCDL=1.35 NOTES
- Cantilever lett and right exposed, end vertical lett and right exposed, o-c for members and forces a myverto for reactions shown; cumber DOL=1.00 plate grip DOL=1.15 Plate TCLL: ASCE 7-10; Pr=20.0 psf (froof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=

- Unbalanced show loads have been considered for this design.

  This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

  This truss is designed in accordance with the 2015 Interestional Paridamical Condensation PECO 44 and PECO 45 and
- any other members, with BODL = 10.0psi.

  This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

					ODOVE BOAD
		Ture Tupe	Qty	Ply	ONSITE / HILLMON GROVE ROAD
Job	Truss	Truss Type	5	1	Job Reference (optional)
20020001	A3	Common	Pun: 8 33 S Mar 10 2020 F		S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:37 Page:  VZHdkOGIFwDy8188-Ek9lCMzd4oWSyUrdqiT11N_DDOc6U1T12juN_ozUIY
	1 Oranford NC USER		ID:UE	-HiClQbdz	VZHdkOGIFwDy8188-EK9ICIWZQ40W3y310411111

ID:UFEHICIQbdzVZHdkOGIFwDy8188-Ek9ICMzd4oWSyUrdqiT11N\_DDOc6U1T12juN\_ozUIYy

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

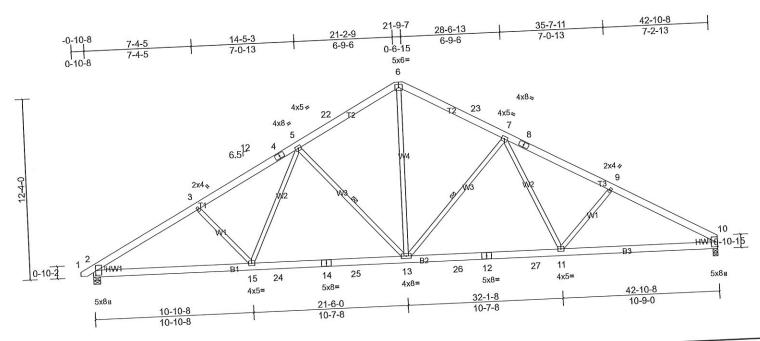
1 Row at midpt

Installation guide.

5-13, 7-13

MiTek recommends that Stabilizers and required cross bracing be

installed during truss erection, in accordance with Stabilizer



Scale = 1:75.8  Plate Offsets (X, Y)	): [2:0-4-0,0-1-4]					DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP 244/190
Loading TCLL (roof) Snow (Pf/Pg)	(psf) 20.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2015/TPI2014	TC BC WB	0.46 0.76 0.65		-0.21	11-13 11-13 10	>999 >999 n/a	240 180 n/a	MT20 Weight: 307 lb	
TCDL BCLL BCDL	0.0* 10.0	Code	IRC2019/11/12014		BRACIN TOP CH	NG HORD	Structur	ral woo	d sheat	hina d		3-11-3 oc purlins.

TOP CHORD BOT CHORD

WEBS

LUMBER

2x6 SP No.2 TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS

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

2=1484/0-5-8, (min. 0-2-1), 10=1452/0-4-0, (min. 0-2-0)

REACTIONS (lb/size) Max Horiz 2=187 (LC 12)

Max Grav 2=1755 (LC 2), 10=1715 (LC 2)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. (ID) - MIAX. COMPANIAN. 1611. - All 161663-250 (ID) 61 1635 CACOPI WHOLE SHOWN. 2-3=-2870/505, 3-4=-2654/480, 4-5=-2499/502, 5-22=-1911/428, 6-22=-1822/464, 6-23=-1823/464, 7-23=-1912/428, **FORCES** 

2-15=-350/2563, 15-24=-204/2152, 14-24=-204/2152, 14-25=-204/2152, 13-25=-204/2152, 13-26=-202/2037, TOP CHORD **BOT CHORD** 

12-26=-202/2037, 12-27=-202/2037, 11-27=-202/2037, 10-11=-344/2392

5-15=-27/545, 3-15=-337/207, 5-13=-739/257, 6-13=-263/1381, 7-13=-726/255, 7-11=-23/514, 9-11=-317/203 WEBS

## NOTES

Unparanced roof live loads have been considered for this design.

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Ca

Cantillever left and right exposed; end vertical left and right exposed; o-o for members and forces a invvirious for reactions shown, cumber DOL=1.00 plate grip DOL=1.15 Plate TOLL: ASCE 7-10; Pr=20.0 psf (foof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground show); Pf=13.9 psf (flat roof show: Lumber DOL=1.15 Plate DOL 2) DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3)

Unbalanced snow loads have been considered for this design.

This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and

This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

			Qty	Ply	ONSITE / HILLMON GROVE ROAD
Job 20020001	Truss A4	Truss Type  Common Supported Gable	1 1 2020		Job Reference (optional)  S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:37 Page: 1 bvRL6ZflzKxNy816C-Ek9lCMzd4oWSyUrdqiT11N_HJOmvU9F12juN_ozUIY
2002000.	TO A LA NO LICOS	Run: 6,33 S	II	s5i9kcoCOil	bvRL6ZflzKxNy816C-Ek9lCMzd4ovvSyUrdqr11111_11001111

ID:s5j9kcoCOjbvRL6ZflzKxNy816C-Ek9lCMzd4oWSyUrdqiT11N\_HJOmvU9F12juN\_ozUlYy

Structural wood sheating discovery applied or 6-0-0 oc bracing.

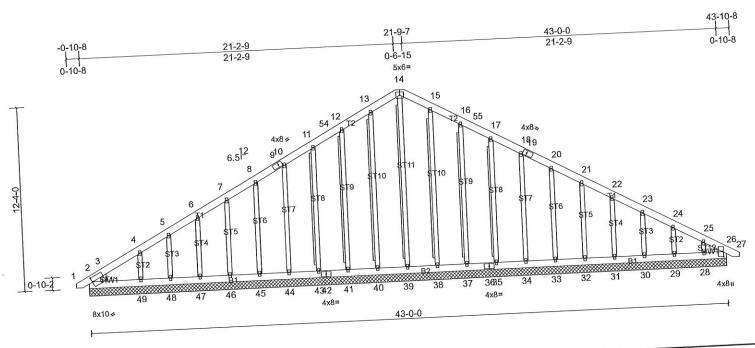
Rigid ceiling directly applied or 6-0-0 oc bracing.

2x4 SPF No.2 - 14-39, 13-40,

Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.

Brace must cover 90% of web length.

12-41, 11-43, 15-38, 16-37, 17-35



Scale = 1:74.5	: [3:0-0-7,0-3-9],	[9:0-3-2,0-2-0], [19:0	-3-2,0-2-0], [26:0-4-0,0	-0-12]		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP 244/190
Loading TCLL (roof) Snow (Pf/Pg)	(psf) 20.0 13.9/20.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	TC BC WB			n/a n/a	26	n/a n/a n/a	999 999 n/a	MT20 Weight: 405 lb	
BCLL BCDL	0.0* 10.0	Code	IRG2019/1F12014		BRACIN TOP CH	NG HORD	Structu	ıral woo	od sheat	hina d		6-0-0 oc purlins.

TOP CHORD BOT CHORD

WEBS

T-Brace:

LUMBER

TOP CHORD 2x6 SP No.2 2x6 SP No.2

2x4 SP No.2 \*Except\* ST1,ST4,ST3,ST2,ST12:2x4 SP No.3 **BOT CHORD** OTHERS

WEDGE

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

REACTIONS All bearings 43-0-0.

(lb) - Max Horiz 2=186 (LC 14)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 26, 29, 30, 31, 32, 33, 34, 35, 37, 41, 43, 44, 45, 46, 47, 49, 53

Max Grav All reactions 250 (lb) or less at joint(s) 2, 29, 30, 31, 32, 33, 34, 41, 42, 48, 47, 48 except 28=299

(LC 2), 49=357 (LC 2) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 12-13=-241/288, 13-14=-260/314, 14-15=-260/314, 15-16=-241/288

**FORCES** TOP CHORD

4-49=-305/179 WEBS

NOTES

Unbalanced roof live loads have been considered for this design.

Whid: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Whid: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; which is a second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; which is a second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; which is a second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; which is a second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; which is a second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; which is a second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; which is a second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; he can be a second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; h=25ft; Cat. II; 2)

cantilever left and right exposed; end vertical left and right exposed; υ-υ for members and forces & MVVFRS for reactions shown; Lumber DUL=1.60 plate grip DUL=1.33

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/1PL1.

TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (ground snow); Pf=1 3) 4)

Unbalanced show loads have been considered for this design.

This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

All plates are 2x4 MT20 unless otherwise indicated. 6)

8)

Cable Staus spaced at 2-0-0 dc.

\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and

One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 26, 41, 43, 44, 45, 46, 47, 49, 37, 35, 34, 33, 32, 31, 30, 29, 2, and 26. This

connection is for upilit only and does not consider lateral forces.

This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

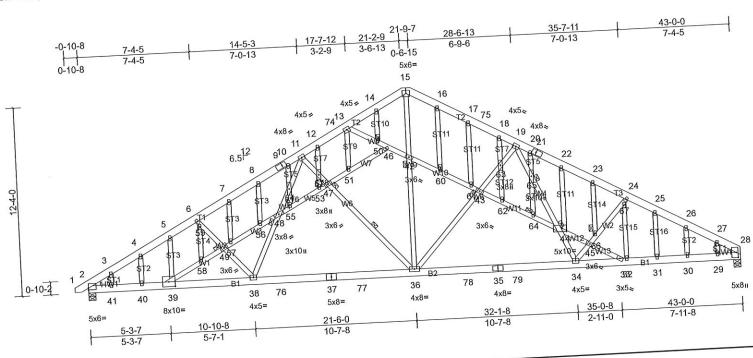
Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

					ONSITE / HILLMON GROVE ROAD	7
		T.m.o	Qty	Ply	ONSTITE / THEE MOST	١
	Truss	Truss Type	1	1	Job Reference (optional)	ᆜ
Job	4.5	Common	1			
20020001	A5		Run: 8.33 S Mar 10	2020 Print: 8,330	0 S Mar 10 2020 MiTek Industries, Inc. Thu Api 02 10,4506 D733Cqkk_Ncy819u-iwjgQh_Fr6eJZdQpNP_GZbWQGox7DWrBGNdwXEzU	IY X
	1 Destard NC USEC		IC	:miSxCvxAzDsO	D733Cdkk_ivcholagan_r	

ID:miSxCvxAzDsQ733Cqkk\_Ncy819u-lwjgQh\_Fr6eJZdQpNP\_GZbWQGox7DWrBGNdwXEzUlYx

MiTek recommends that Stabilizers and required cross bracing be

installed during truss erection, in accordance with Stabilizer



Scale = 1:72.8		0.1 (01:0	3-2 0-2-01 [28:0-4-0,0	-1-4], [39:0-5-0,0	0-3-12], [4	4:0-3-3,0-2-7	]				4750	GRIP
Plate Offsets (X, Y)	: [2:Edge,0-1-7],	[9:0-3-2,0-2-0], [21:0-	3-2,0-2-0], [28:0-4-0,0			DEFL	in	(loc)	I/defl	L/d	PLATES MT20	244/190
	(nsf)	Spacing	2-0-0 1.15	00.	0.37	Vert(LL)	-0.18			180	101120	
Loading TCLL (roof)	20.0	Plate Grip DOL	1.15		0.78	Vert(CT) Horz(CT)	0.09	36-38 28	n/a	n/a	1	
Snow (Pf/Pg)	10.0120.0	Lumber DOL Rep Stress Incr	YES	WB	0.45	Hoiz(CT)	0,00				Weight: 445 lb	FT = 20%
TCDL	10.0 0.0*	Code	IRC2015/TPI2014	Matrix-MSH							VVoigiti.	
BCLL BCDL	10.0											82
BCDL					BRACII	NG	Chrund	ural wor	nd sheat	hing d	irectly applied or	3-11-1 oc purlins. cing.
LUMBER	o o CD No 2				TOP CH BOT CH		Rigid	ceiling d	irectly a	pplied	or 10-0-0 oc bra- 36-47	cing.

WEBS

JOINTS

1 Row at midpt

1 Brace at Jt(s): 42, 43, 44, 47,

48, 49, 50, 60, 64, 65, 66

Installation guide.

LUMBER TOP CHORD 2x6 SP No.2 2x4 SP No.2 \*Except\* W8,W10,W12,W13,W7,W5,W3,W1:2x4 SP No.3 2x6 SP No.2 BOT CHORD WEBS

2x4 SP No.3 **OTHERS** Left: 2x4 SP No.3 WEDGE Right: 2x4 SP No.3

2=1488/0-5-8, (min. 0-2-1), 28=1456/0-5-8, (min. 0-2-0) REACTIONS (lb/size) Max Horiz 2=186 (LC 14)

Max Grav 2=1760 (LC 2), 28=1720 (LC 2) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD

(ID) - MAX. COMP./MAX. Ten. - All forces 250 (ID) or less except when shown.
2-3=-2839/414, 3-4=-2820/444, 4-5=-2784/483, 5-6=-2737/508, 6-7=-2650/487, 7-8=-2678/534, 8-9=-2632/540, 9-10=-2694/550, 10-11=-2624/589, 11-12=-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 11-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 12-74=-1939/455, 13-74=-1892/463, 13-14=-1770/416, 13-24-2020/460, 13-24-20

9-10=-2594/550, 10-11=-2624/589, 11-12=-2020/460, 12-/4=-1939/455, 13-/4=-1892/463, 13-14=-17/0/416, 14-15=-1694/420, 15-16=-1679/417, 16-17=-1734/413, 17-75=-1712/362, 18-75=-1741/358, 18-19=-1795/352, 19-20=-2576/548, 20-21=-2520/532, 21-22=-2567/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 19-20=-2576/548, 20-21=-2520/532, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 19-20=-2526/548, 20-21=-2520/532, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2667/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2678/521, 22-23=-2578/478, 23-24=-2622/456, 24-25=-2732/502, 21-22=-2678/521, 21-22=-

25-26=-2786/480, 26-27=-2822/441, 21-26=-2617/412 2-41=-332/2504, 40-41=-332/2504, 39-40=-332/2504, 38-39=-312/2474, 38-76=-184/2074, 37-76=-184/2074, 36-77=-184/2074, 36-77=-184/2074, 36-77=-184/2074, 36-78=-255/2111, 35-78=-255/2111, 35-79=-255/2111, 34-79=-255/2111, 37-77=-184/2074, 36-77=-184/2074, 36-78=-255/2111, 36-79=-**BOT CHORD** 

38-48=-35/574, 48-54=-93/623, 11-54=-137/686, 38-49=-324/181, 11-52=-677/193, 47-52=-601/188, 36-47=-578/188,

38-48=-35/5/4, 48-54=-93/623, 11-54=-13//686, 38-49=-324/181, 11-52=-67//193, 47-52=-601/188, 36-47=-57/8/188, 36-42=-226/1268, 15-42=-235/1272, 36-43=-740/295, 43-63=-652/228, 19-63=-711/241, 19-65=-208/840, 44-65=-166/678, 34-44=-38/447, 34-45=-298/186, 45-66=-299/183, 66-67=-266/169, 24-67=-254/139, 13-50=-273/109, 43-65=-226/169, 24-67=-254/139, 13-50=-273/109, 43-65=-226/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 13-50=-273/109, 43-65=-236/169, 24-67=-254/139, 43-65=-236/169, 24-67=-254/139, 43-65=-236/169, 24-67=-254/139, 43-65=-236/169, 24-67=-254/139, 43-65=-236/169, 24-67=-254/139, 43-65=-236/169, 24-67=-254/139, 43-65=-236/169, 24-67=-254/139, 43-65=-236/169, 24-67=-254/139, 43-65=-236/169

46-50=-257/100

# NOTES

**WEBS** 

**FORCES** 

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; and the second gust of the control of t vvinu: ASCE 7-10; vuit=130mpn (3-second gust) vasd=103mpn; 1CDL=6.upst; BCDL=6.upst; n=20t; Cat. II; EXP b; Enclosed; MVVFRS (envelope) and C-C Exterior (2) 2t 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=1.33

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=1.33 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.

TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (Pr=20.0 2) 3) 4)

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

51

Unbalanced show loads have been considered for this design.

This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. Unbalanced snow loads have been considered for this design.

7)

All plates are ZX4 IN LZU unless otherwise indicated.

Gable studs spaced at 2-0-0 oc.

\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and the truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and the truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and the truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and the truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and the truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and a second and a second areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and a second areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and a second areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and a second areas where a second 6)

any other members, with BODL = 10.0psi.

This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 10)

Continued on page 2

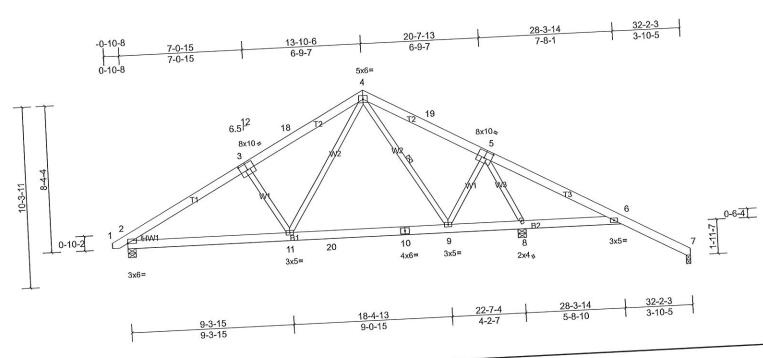
Job         Truss         Truss Type           20,020001         A5         Common           Carter Components - Sanford, Sanford, NC, user	Qty 1 ar 10 2020 I ID:miSx	1	ONSITE / HILLMON GROVE ROAD  Job Reference (optional)  S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:38 Page: 2  B3Cqkk_Ncy819u-iwjgQh_Fr6eJZdQpNP_GZbWQGox7DWrBGNdwXEzUIYx
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LOAD CASE(S)

Standard

	Qty	Ply	ONSITE / HILLMON GROVE ROAD
Job Truss 200/20001 B1	10		Job Reference (optional)  S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:39 Page: 1 PRqzhp2R2?vy7qiO-A6H2d1?lcPnABn??x6VV6o3ZqCOzyw5KV1NT3hzUIYW

Page: 1 ID:LyVANFdm\_FMPRqzhp2R2?vy7qiO-A6H2d1?tcPnABn??x6VV6o3ZqCOzyw5KV1NT3hzUIYW



Scale = 1:63.3	70.5.4ma 0.0.31	[3:0-5-0,0-4-8], [5:0-5	5-0,0-4-8]					4 ->	I/defl	L/d	PLATES	GRIP
Plate Offsets (X, Y) Loading TCLL (roof) Snow (Pf/Pg)	(psf) 20.0 13.9/20.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	BC WB	0.35 0.64	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.12 0.03	(loc) 9-11 9-11 7	>999 >999 n/a	240 180 n/a	MT20 Weight: 200 lb	244/190 FT = 20%
TCDL BCLL BCDL	10.0 0.0* 10.0	Code	IRC2015/TPI2014	Mathx-Morr	BRACII TOP CI	NG HORD	Structu	ıral woo	od sheat	hina d		6-0-0 oc purlins.

TOP CHORD BOT CHORD

WEBS

Rigid ceiling directly applied or 6-0-0 oc bracing.

1 Row at midpt

Installation guide.

4-9

MiTek recommends that Stabilizers and required cross bracing be

installed during truss erection, in accordance with Stabilizer

LUMBER

2x6 SP No.2 TOP CHORD

2x6 SP No.2 BOT CHORD 2x4 SP No.3 \*Except\* W2:2x4 SP No.2

WEBS Left: 2x4 SP No.3 WEDGE

2=713/0-5-8, (min. 0-1-8), 7=109/0-3-0, (min. 0-1-8), REACTIONS (lb/size) 8=1391/0-5-8, (min. 0-1-15)

Max Horiz 2=-157 (LC 11)

Max Uplift 2=-19 (LC 15), 7=-10 (LC 16)

Max Grav 2=845 (LC 2), 7=131 (LC 34), 8=1642 (LC 2)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-1158/231, 3-18=-987/242, 4-18=-897/266, 4-19=-358/187, 5-19=-433/168, 5-6=-112/944 **FORCES** 

2-11=-116/1039, 11-20=0/522, 10-20=0/522, 9-10=0/522, 6-8=-741/233 TOP CHORD BOT CHORD

3-11=-394/226, 4-11=-97/671, 4-9=-422/42, 5-9=0/593, 5-8=-1619/276

Unbalanced roof live loads have been considered for this design.

Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; hWFRS (envelope) and C-C Exterior (2) zone; with the control of t WEBS NOTES 2)

Unparaticed show loads have been considered for this design.

This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 Unbalanced snow loads have been considered for this design.

This truss has been designed for greater or milit root live load of 12.0 psr of 2.00 times flat root load of 13.9 psr of overhangs non-concurrent with 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 3-06-00 wide will be a second and a second areas where a rectangle 3-06-00 tall by 3-06-00 wide will be a second and a second areas where a rectangle 3-06-00 wide will

any other members, with BODL = 10.0psr.

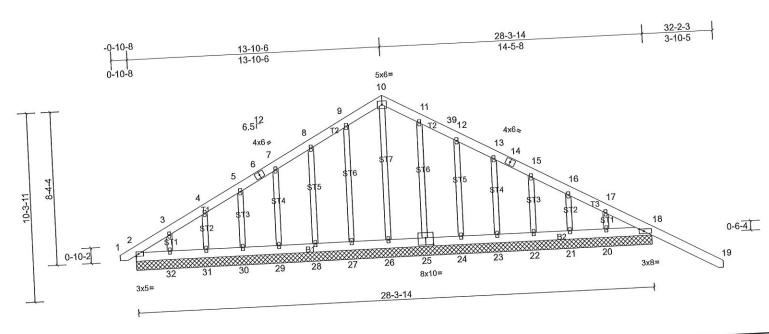
Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

One RT7A USP 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 6) 8)

This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job 20020001	Truss B2	Truss Type  Roof Special  Run: 8.33	Qty 1 S Mar 10 2020	1	ONSITE / HILLMON GROVE ROAD  Job Reference (optional)  S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:39 Page: 1 Rqzhp2R2?vy7qiO-A6H2d1?tcPnABn??x6VV6o3YECRyy20KV1NT3hzUIYw
Sanford, S	sanford, NC, user		ID:LyV	ANFdm_FMF	Rqznp2R27vy/qio-Adi izd VV



Scale = 1:60.6  Plate Offsets (X, Y)	: [18:0-2-15,0-1-	8], [25:0-5-0,0-4-8]				DEFL	in	(loc)	I/defl	L/d	PLATES MT20	GRIP 244/190
Loading TCLL (roof) Snow (Pf/Pg)	(nsf)	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	CSI TC BC WB Matrix-MSH	•	Vert(LL) Vert(CT)	n/a n/a 0.00	36	n/a n/a n/a	999 999 n/a	Weight: 231 lb	FT = 20%
TCDL BCLL BCDL LUMBER	0.0* 10.0	Code	IRC2015/TPI2014	Wallix	BRACII TOP CH BOT CH		Structu Rigid o	ıral woo ceiling d	d sheat	hing d		6-0-0 oc purlins.

2x6 SP No.2 TOP CHORD

2x6 SP No.2 **BOT CHORD** 

2x4 SP No.3 \*Except\* ST7,ST6,ST5:2x4 SP No.2 **OTHERS** 

REACTIONS All bearings 28-3-14.

(lb) - Max Horiz 2=-144 (LC 13), 33=-144 (LC 13)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 18, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 36 except 20=-235 (LC 21)

All reactions 250 (lb) or less at joint(s) 2, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33 except 18=574 (LC 21), 36=574 Max Grav

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

# NOTES

- Unbalanced roof live loads have been considered for this design.

  Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; wind: ASCE 7-10; Vult=130mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; wind: ASCE 7-10; Vult=130mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; h=25ft; Cat. II; Exp B; Enclose **FORCES** 2)
- 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=1.33

  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.

  TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=21.00; Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=21.00; Pf=13.00; Pf=13.0 3) 4)
- Uniparaticed show loads have been considered for this design.

  This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. Unbalanced snow loads have been considered for this design. 6)

- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and the trust has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and All plates are 2x4 MT20 unless otherwise indicated. Gable studs spaced at 2-0-0 oc.
- any other members.

  One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 18, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, and 20. This connection is
- Non Standard bearing condition. Review required.

  This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

								0) /5	DOAD	
			_		Qty	Ply	ONSITE / HILLM	MON GROVE	ROAD	
b	Truss	Т	Truss Type			1 1	Job Reference (	(ontional)		
	C1	(	Common		1				Thu Apr 02 13:45:40 /1pxaCVq0ke0bhqbda	Page: 1
020001			STR COME	Run: 8,33 S M	lar 10 2020 P	rint: 8.330 S	Mar 10 2020 Willow	Yv-eJrQrN?VNjv	1pxaCVq0ke0bhqbda	ahV_Tkh61b7zUIYV
ter Components - Sanford,	Sanford, NC, use	ır			ID:	:3kgenpzvv ii	"Hilloactipe-", .		22-6-8	
		-0-10-8		1′	11-0-10		21-8-0		++	
		-0-10-0	10-7-6 10-7-6		11,		10-7-6		0-10-8	
		0-10-8	10-7-0	,	0-5-4					
		0-10-5			5x8 II					
					5					
	0-11-11	3 2 0 1	//	4x6 ø/T	72 V1	4x6 \$	BI	A Total	4x5 \$ 7 8 9	
		1	19		10				6x12 II	
		0.41	<b>^</b>		8x10=				1	
		6x12	211 10-1 <u>0</u> -	1-0			21-8-0 10-10-0		-	
		<u></u>	10-10		1		10-10-0			
Scale = 1:58.8		1							T	GRIP
Plate Offsets (X, Y): [1	10:0-5-0,0-4-8]	ř.		1 001		DEFL	in (loc)	) I/defl L/d	1 1 2	244/190
Loading	(nsf)	Spacing	2-0-0 1.15		0.69	Vert(LL)	-0.14 10-17 -0.21 10-17	7 >999 240 7 >999 180		- * · Sandayanan
TCLL (roof)	20.0	Plate Grip DOL	1.15	15 BC	0.71					
Snow (Pf/Pg)	13.9/20.0 10.0	Lumber DOL Rep Stress Incr	YES		0.15	Hoiz(O1)	, 5.55		Weight: 152 lb	FT = 20%
TCDL	0.0*	Code	IRC2015/TPI201	14 Matrix-MSH					vveignt. 132 ib	
BCLL BCDL	10.0									
LUMBER					BRACIN TOP CH	ING HORD	Structural wo	od sheathing	directly applied or t ed or 10-0-0 oc brac	5-3-8 oc purlins.

LUMBER

2x6 SP No.2 TOP CHORD 2x6 SP No.2 2x4 SP No.2 **BOT CHORD** 

**WEBS** 

Left 2x6 SP No.2 – 1-6-0, Right 2x6 SP No.2 -- 1-6-0 SLIDER

2=767/0-5-4, (min. 0-1-8), 8=767/0-5-8, (min. 0-1-8) REACTIONS (lb/size)

Max Horiz 2=-226 (LC 11)

Max Grav 2=1035 (LC 25), 8=1035 (LC 26)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. (ID) - MAX. COMP./MAX. 161. - All forces 200 (ID) or less except when shown. 2-3=-755/427, 3-4=-1055/183, 4-5=-735/231, 5-6=-735/231, 6-7=-1054/183, 7-8=-593/275 2-19=-180/667, 10-19=0/667, 10-20=0/667, 8-20=0/667 **FORCES** 

TOP CHORD BOT CHORD

**WEBS** 

Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; WWFRS (and the continuous NOTES

**BOT CHORD** 

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

Installation guide.

MiTek recommends that Stabilizers and required cross bracing be

installed during truss erection, in accordance with Stabilizer

2) 3)

This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S)

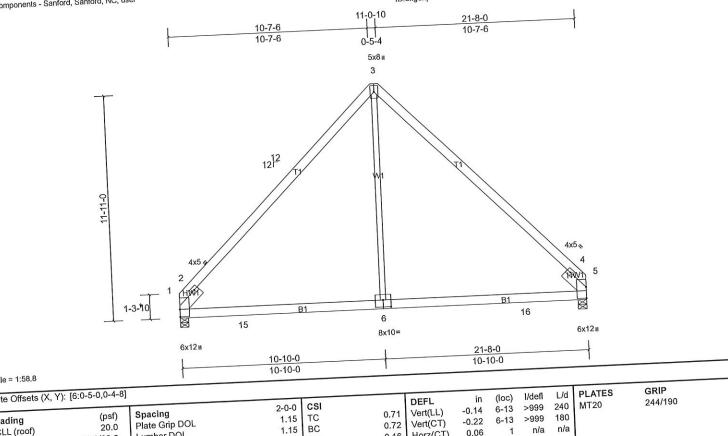
			Qty	Ply	ONSITE / HILLMON GROVE ROAD
Job 20020001	Truss C2	Truss Type Common	2 Pun: 8 33 S. Mar 10 2020		Job Reference (optional)  5 Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:40  Page: 1  10 10 10 10 10 10 10 10 10 10 10 10 10 1
	anford, Sanford, NC, user		Run. 0.000 mar 12	D:3kgenpzW	S Mar 10 2020 MiTek Industries, Inc., Thurpin Q. 10. 100 MiTek Industries, Inc., Thurpin Q.

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

Installation guide.

MiTek recommends that Stabilizers and required cross bracing be

installed during truss erection, in accordance with Stabilizer



Scale = 1:58.8  Plate Offsets (X, Y):	: [6:0-5-0,0-4-8]	1	10-10-0	001		DEFL	in	(loc)	I/defl		PLATES MT20	GRIP 244/190
Loading TCLL (roof) Snow (Pf/Pg)	13.9/20.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2015/TPI2014	TC BC WB	0.71 0.72 0.16	1071	-0.14 -0.22 0.06	6-13 6-13 1	>999 >999 n/a	180 n/a	Weight: 147 lb	
TCDL BCLL BCDL	0.0* 10.0	Code	IRC2015/1F12014	Maan	BRACIN TOP CH	NG LOPP	Structu	ural woo	od sheat	hina di	irectly applied or	5-1-1 oc purlins.
					TOP CF	IOND		- ilina d	iractly a	nnlied	or 10-0-0 oc brad	ung.

TOP CHORD

**BOT CHORD** 

LUMBER

TOP CHORD BOT CHORD 2x6 SP No.2 2x6 SP No.2 2x4 SP No.2

Left 2x6 SP No.2 – 1-6-0, Right 2x6 SP No.2 -- 1-6-0 WEBS SLIDER

1=734/0-5-4, (min. 0-1-8), 5=734/0-5-8, (min. 0-1-8) REACTIONS (lb/size)

Max Horiz 1=-212 (LC 9)

Max Grav 1=1006 (LC 25), 5=1006 (LC 24)

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

1-2=-760/407, 2-3=-1058/225, 3-4=-1058/225, 4-5=-598/273 **FORCES** 1-15=-182/663, 6-15=0/663, 6-16=0/663, 5-16=0/663 TOP CHORD BOT CHORD

3-6=-2/687 WEBS

Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; with Enclosed; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; h=25ft; Cat. II; Exp B; Enclosed; h=25 NOTES 2)

DUL=1.19); Category II; EXP B; Fully EXP.; Ct=1.10
\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and analysis trush has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BODL = 10.0psi.

This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S)

		Qty Ply ONSITE / HILLMON GROVE ROAD
Job .	Truss	Truss Type
20020001	C2A	Common  S  S  S  S  S  S  S  S  S  S  S  S  S
Carter Components - San	ford, Sanford, NC, user	ID:3kgenpzW1lrHm6sLt1pO5vy/qtv-e3rdxtv-21-8-0 21-8-0 21-0-12
		11-0-10 20-11-0
		10-7-6 10-7-6 9-10-6 0-1-12 0-7-4
		5x8 II
		3

12 12 11-11-0 3x6 4x8= 6 12 8x10= 21-8-0 6x1211 21-6-10 10-10-0 0-1-6 10-8-10 10-10-0

Scale = 1:63.4		•										
Plate Offsets (X, Y):	(psf) 20.0	Spacing Plate Grip DOL	200	CSI TC BC	0.71 0.62	DEFL Vert(LL) Vert(CT)	in -0.18 -0.28	(loc) 6-10 6-10	I/defl >999 >913 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190
TCLL (roof) Snow (Pf/Pg) TCDL	13 9/20.0	Lumber DOL Rep Stress Incr Code	YES	WB	0.22	Horz(CT)	0.07		10.4		Weight: 160 lb	FT = 20%
BCLL BCDL	10.0	Code			BRACII	NG	01	ural wor	d sheat	hina di	irectly applied or	5-1-10 oc purlins,
					TOP CH	HORD	Structi	t end ve	rticals.			•

**BOT CHORD** 

except end verticals.

Installation guide.

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

MiTek recommends that Stabilizers and required cross bracing be

installed during truss erection, in accordance with Stabilizer

LUMBER TOP CHORD BOT CHORD 2x6 SP No.2 2x6 SP No.2

2x4 SP No.2 \*Except\* W4:2x8 SP 2400F 2.0E WEBS Left 2x6 SP No.2 - 1-6-0

SLIDER

(lb/size) 1=713/0-5-4, (min. 0-1-8), 5=706/0-3-8, (min. 0-1-8) Max Horiz 1=237 (LC 12) REACTIONS (lb/size)

Max Grav 1=910 (LC 25), 5=834 (LC 2)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-725/382, 2-3=-892/204, 3-4=-903/202, 5-7=-797/216, 4-7=-779/201 1-12=-205/562, 6-12=-5/562, 5-6=-136/327 **FORCES** TOP CHORD

BOT CHORD

WFBS

Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Funds a power of the property of the propert NOTES

any other members, with BODL = 10.0psr.
This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job Truss 20020001 C3 Carter Components - Sanford, Sanford, NC, use	er _	Qty Pl 1 1 8.33 S Mar 10 2020 Print: ID:fnBcC	Job Reference (optional)  8.330 S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:40  Page: CVDVvNRuJ1SzEHiGqby7q?k-eJrQrN?VNjv1pxaCVq0ke0brbbnShVXTkh61b7zUIY  22-6-8
	0-10-8 10-7-6 0-10-8	0-5-4 5x6= 8	10-7-6 0-10-8
1-3-10	12 <sup>12</sup> 6 5 71 3 4x5 4 3 5 71 2 1 1 2 1 2 1 3 2 2 3 2 2 3 3 2 2 3 3 2 3 2	21 20 8x10=	10 10 10 11 11 11 12 13 14 15 19 18 17 16 3x8 II

Scale = 1:57.0		1										
Plate Offsets (X, Y):	(psf) 20.0	Spacing Plate Grip DOL	-5-0,0-4-8] 1-11-4 1.15 1.15	TC	0.06	DEFL Vert(LL) Vert(CT)	in n/a n/a	(loc)	I/defl n/a n/a n/a		PLATES MT20	GRIP 244/190
TCLL (roof) Snow (Pf/Pg) TCDL BCLL	13.9/20.0	Lumber DOL Rep Stress Incr Code	YES	WB	0.18	Horz(CT)	0.01	14	11/4		Weight: 225 lb	FT = 20%
BCDL					BRACII TOP CH	N <b>G</b> HORD	Struct	ıral woo	d sheat	hing d	irectly applied or	6-0-0 oc purlins. cing.

21-8-0

TOP CHORD

BOT CHORD

WEBS

Structural wood shearing and so, personal structural wood shearing and so, personal shear with the structural wood shearing and so, personal shearing and shearin

Fasten (2X) T and I braces to narrow edge of web with 10d

(0.131"x3") nails, 6in o.c., with 3in minimum end distance.

Brace must cover 90% of web length.

LUMBER

Scale = 1:57.6

2x6 SP No.2 TOP CHORD 2x6 SP No.2

**BOT CHORD** 

OTHERS

2x4 SP No.2 \*Except\* ST1:2x4 SP No.3

SLIDER

Left 2x6 SP No.2 – 1-6-0, Right 2x6 SP No.2 – 1-6-0

REACTIONS All bearings 21-8-0.

(lb) - Max Horiz 2=221 (LC 12), 25=221 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 14, 17, 18, 19, 21, 22, 23, 25, 29 except 16=-152 (LC 14), 24=-158 (LC 13)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 14, 17, 18, 19, 20, 21, 22, 23, 25, 29 except 16=259 (LC 26), 24=269 (LC 25)

**FORCES** WEBS

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 8-20=-255/187

NOTES

- Unpalanced roof live loads have been considered for this design.

  Whot ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone;

  Whot ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mpn (3-second gust) vasd=103mpn; 1CDL=6.upst; BCDL=6.upst; n=25t; Cat. II; Exp B; Enclosed; MVVFRS (envelope) and C-C exterior (2) 20 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=1.33 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=1.33 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=1.33 cantilever left and right exposed; end vertical left end ver Candiever left and right exposed , end vertical left and right exposed,0-0 for members and forces a invvirious for reactions shown, Lumper DOL=1.50 plate grip DOL=1.33

  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 the 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 the 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 the designed for wind loads in the plane of the truss only.
- qualified building designer as per ANSI/TPL1.

  TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

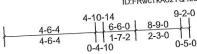
  DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.10

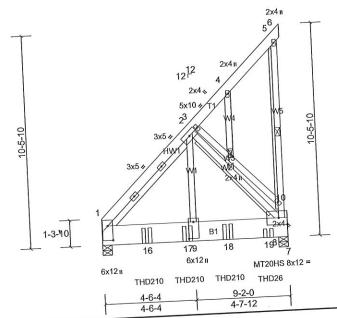
  This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 12.00 times flat 3)
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated. 6)
- 7)
- Gable Studs spaced at 2-0-0 06.

  \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and a space of the s Gable requires continuous bottom chord bearing. Gable studs spaced at 2-0-0 oc. 9)
- any other members.

  One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 14, 21, 22, 23, 24, 19, 18, 17, and 16. This connection is for uplift only and
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 10)
- 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

	1=	Timo	Qty	Ply	ONSITE / HILLMON GROVE ROAD
Job Tru 20020001 G	1 Mor	is Type nopitch Girder Run: 8.3:	1 3 S Mar 10 2020 F		Job Reference (optional)  Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:40  Page: 1  14Le3X3cXemMy7pu2-eJrQrN?VNjv1pxaCVq0ke0bf6bkNhKDTkh61b7zUIYv





Scale = 1:54.7  Plate Offsets (X, Y)	: [1:0-8-8,0-3-0],	[9:0-9-12,0-3-0]		401		DEFL	in	(loc)			PLATES	GRIP 244/190
Loading TCLL (roof) Snow (Pf/Pg)	(psf) 20.0 13.9/20.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO	TC BC WB	0.80 0.28 0.84	Vert(LL) Vert(CT) Horz(CT)	-0.03 -0.05 0.01	8-9 8-9 8	>999 >999 n/a	180 n/a	MT20 MT20HS Weight: 125 lb	187/143
TCDL BCLL BCDL	0.0* 10.0	Code	IRC2015/TPI2014	Wattix-Wort	DRACI	NG.					iractly applied or	

BRACING TOP CHORD except end verticals. LUMBER 2x6 SP No.2 TOP CHORD BOT CHORD 2x12 SP 2400F 2.0E 2x4 SP No.2 \*Except\* W4:2x4 SP No.3 Left 2x4 SP No.2 – 5-9-7 1 Row at midpt **BOT CHORD** WEBS WEBS WEBS 1=2730/0-5-8, (min. 0-2-11), 8=3602/0-5-8, (min. 0-3-8) SLIDER REACTIONS (lb/size) Max Horiz 1=239 (LC 9)

Max Grav 1=3231 (LC 2), 8=4253 (LC 2)

JOINTS

Structural wood sheathing directly applied or 5-6-0 oc purlins, Rigid ceiling directly applied or 10-0-0 oc bracing. 5-8

2x4 SPF No.2 - 2-8 Fasten (2X) T and I braces to narrow edge of web with 10d

(0.131"x3") nails, 6in o.c., with 3in minimum end distance.

Brace must cover 90% of web length.

1 Brace at Jt(s): 11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

1-16=0/1712, 16-17=0/1712, 9-17=0/1712, 9-18=0/1677, 18-19=0/1677, 8-19=0/1677 BOT CHORD

**WEBS** 

2-8=-2068/0, 2-9=0/3437, 3-11=-481/0, 10-11=-493/0

## NOTES

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.45); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (ground snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=13.9 psf (ground snow: Lumber DOL=1.15 Plate DOL=1.1 1) grip DOL=1.33 2)

- \*This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. This truss is designed in accordance with the zuro international Residential Code sections RSUZ.11.1 and RSUZ.10.2 and referenced standard ANSI/TET 1.

  Use USP THD210 (With 38-16d nails into Girder & 20-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max, starting at 2-2-8 from the left end to 6-2-8 to connect Use USP THD210 (With 38-16d nails into Girder & 20-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max, starting at 2-2-8 from the left end to 6-2-8 to connect Use USP THD210 (With 38-16d nails into Girder & 20-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max.

Truss(es) A3 (1 ply Zxo SP) to pack tace of portion chord.

Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent at 8-2-8 from the left end to connect truss(es) A3 (1 ply 2x6 SP) to back face of the provided HTM (1 ply 2x6 SP) t 6) 7)

Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

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)

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Job Truss Truss Truss Truss Truss Type	Qty 1 10 2020 ID:FI	1	ONSITE / HILLMON GROVE ROAD  Job Reference (optional)  Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:40 Page: 2  JALESX3cXemMy7pu2-eJrQrN?VNjv1pxaCVq0ke0bf6bkNhKDTkh61b7zUIYv
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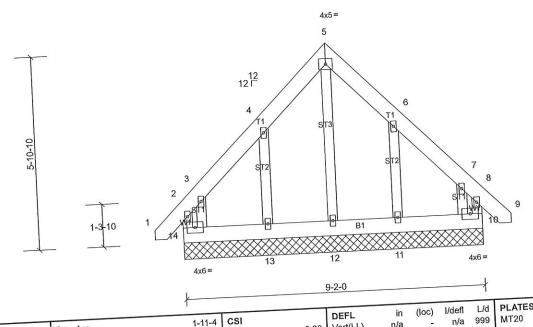
		Qty	Ply	ONSITE / HILLMON GROVE ROAD
Job Truss 20020001 G2	Truss Type Common Supported Gable Run: 8.33 S	1		Job Reference (optional)  S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:41 Page: 1  HXDicvtyrbXQ_y7pUk-7VOo2j08811uQ58O3XYzBD8?x78bQz7dzLsa8ZzUIYu

ID:p6o1TgmHXHXDicvtyrbXQ\_y7pUk-7VOo2j08811uQ58O3XYzBD8?x?8bQz7dzLsa8ZzUIYu

except end verticals.

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





			v			3-2-0				- 1		
Scale = 1:33.9	(psf) 20.0	Spacing Plate Grip DOL	1-11-4 1.15 1.15	TC	0.09 0.02	DEFL Vert(LL) Vert(CT)	in n/a n/a	(loc) - - 10	I/defl n/a n/a n/a		PLATES MT20	GRIP 244/190
TCLL (roof) Snow (Pf/Pg) TCDL BCLL	13 9/20.0	Lumber DOL Rep Stress Incr Code	YES	WB	0.10	Horz(CT)	0.00				Weight. 70 is	
BCDL					BRACII TOP Ch	NG HORD	Structu	ıral woo	d sheat	hing d	irectly applied or	6-0-0 oc purlins,

LUMBER

2x6 SP No.2 TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.3

WEBS 2x4 SP No.3 **OTHERS** 

REACTIONS All bearings 9-2-0. (lb) - Max Horiz 14=126 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 10, 11, 13, 14 Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14

**FORCES** 

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

Unbalanced roof live loads have been considered for this design.

Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; Cat. I NOTES cannever lett and right exposed , end vertical lett and right exposed, or in members and lorces & MYVERS for reactions shown, Lumber DOL=1.00 plate grip DOL=1.33

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 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 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 in the plane of the truss only. 2)

**BOT CHORD** 

- qualified building designer as per ANSI/TELL.

  TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15 Pla 3) 4)
- TCLL: ASUE 7-10; PT=20.0 psr (roor live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psr (ground show), P1=13.9 psr (liat100 show). Lumber DOL=1.15 Ptd DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
  This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- 7)
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). Gable requires continuous bottom chord bearing.
- 8)
- Sable Study Spaced at 2-0-0 0c.

  \* This trush has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and
- One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14, 10, 13, and 11. This connection is for uplift only and does not consider
- Takeral 1010es.

  12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

			Qty	Ply	ONSITE / HILLMON GROVE ROAD
Job .	Truss	Truss Type	1	2	Job Reference (optional)
	GR1	Flat Girder	1		Thu Anr 02 13:45:41
2,0020001	and NO upor		Run: 8,33 S Mar 10 2020 F	VAhoPW2	S Mar 10 2020 MiTek Industries, Inc. 11d 74,0 22 12 12 12 12 12 12 12 12 12 12 12 12

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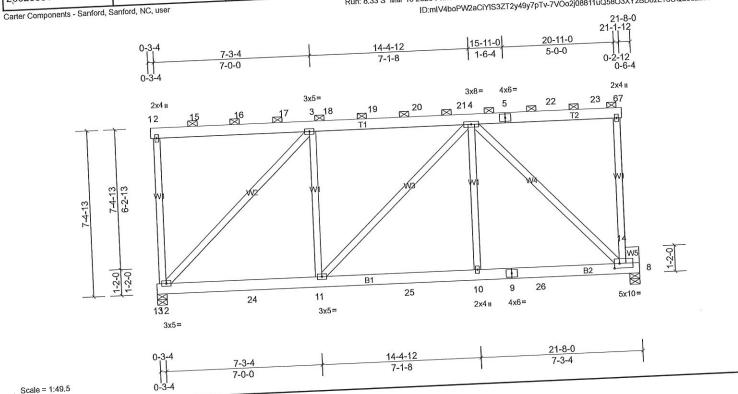


Plate Offsets (X, Y): [8:0-2-12,0-2-8]

LUMBER

TOP CHORD BOT CHORD WEBS

2x6 SP No.2 2x6 SP No.2

2x4 SP No.2 \*Except\* W5:2x8 SP 2400F 2.0E

REACTIONS (lb/size) 8=1089/0-5-8, (min. 0-1-8), 12=1127/0-5-4, (min. 0-1-8)

Max Horiz 12=159 (LC 8)
Max Uplift 8=-16 (LC 6), 12=-51 (LC 5)
Max Grav 8=1193 (LC 2), 12=1242 (LC 2)

BRACING

TOP CHORD BOT CHORD 2-0-0 oc purlins (6-0-0 max.): 1-7, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

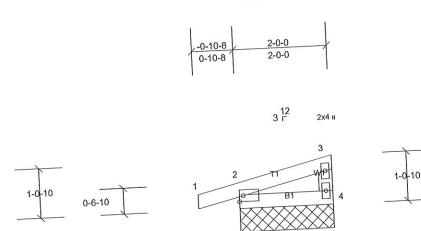
	70000		Qty	Ply	ONSITE / HILLMON GROVE ROAD
Job	Truss	Truss Type  Jack-Closed Supported Gable	1	1	Job Reference (optional)  Page: 1
20020001	J02	Run: 8,33 S	Mar 10 2020	Print: 8.330 S	5 Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:41 Page: 1 (qdmDnpthADzUlmz-7VOo2j08811uQ58O3XYzBD80P?8eQ_edzLsa8ZzUlYu

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2x4 II

except end verticals.

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



					+	2-0-0	-					
Scale = 1:23.6  Loading TCLL (roof) Snow (Pf/Pg)	13 9/20.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-11-4 1.15 1.15 YES IRC2015/TPI2014	BC WB	0.06 0.02 0.00		in n/a n/a 0.00	(loc) - - 2	I/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 8 lb	<b>GRIP</b> 244/190  FT = 20%
TCDL BCLL BCDL	0.0* 10.0	Code	[RG2015/1112511		BRACII TOP CI	NG HORD	Structu	ıral woo	od sheat	hing d	lirectly applied o	r 2-0-0 oc purlins,

3x5 =

BRACING TOP CHORD

**BOT CHORD** 

LUMBER 2x4 SP No.2 TOP CHORD

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

2=110/2-0-0, (min. 0-1-8), 4=52/2-0-0, (min. 0-1-8), REACTIONS (lb/size)

5=110/2-0-0, (min. 0-1-8) Max Horiz 2=22 (LC 14), 5=22 (LC 14)

Max Uplift 2=-29 (LC 11), 4=-2 (LC 15), 5=-29 (LC 11) Max Grav 2=133 (LC 2), 4=60 (LC 2), 5=133 (LC 2)

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

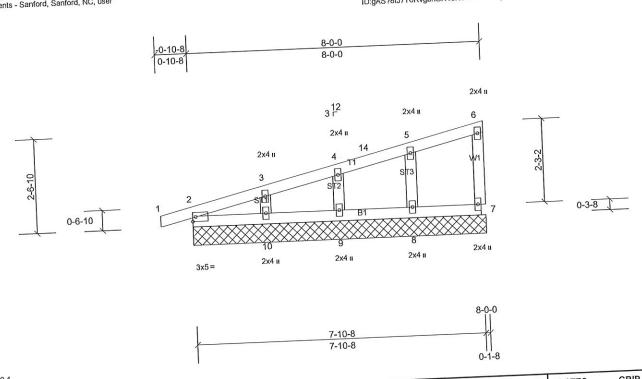
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; vvind: ASCE 7-10, vuit=130mpn (3-second gust) vasd=103mpn; 1CDL=6.upsr; BCDL=6.upsr; n=25n; Cat. II; Exp B; Enclosed; MVVFRS (envelope) and C-C Exterior (2) 20 cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MVVFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 cantilever left and right exposed; end vertical left and right exposed; the true cash. Except the property of the true cash. **FORCES** 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 NOTES 1) Truss designed for wind loads in the plane of the truss only. For state expected the state of th
- DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10; Min. flat roof snow load governs. Unbalanced snow loads have been considered for this design. 3)
- Unbalanced show loads have been considered for this design.

  This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. 5) 6)
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 7) 8)
- any other members.

  One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

		Qty	Plv	ONSITE / HILLMON GROVE ROAD
Job Truss 20020001 J08	Truss Type  Jack-Closed Supported Gable  Run: 8.33 S M	1	1	Job Reference (optional)  S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:42  Page: 1  yobbCR18NYczUlk7-bhyBG31mvK9l2FjacF3CkRhB9PUo9RSmB?b8g0zUIY

ID:gAS?8tJ7T6RvgbhCR18NYczUlk7-bhyBG31mvK9l2FjacF3CkRhB9PUo9RSmB?b8g0zUlYt



Scale = 1:30.1  Loading TCLL (roof)	 Spacing Plate Grip DOL Lumber DOL	1-11-4 1.15 1.15	CSI TC BC	0.06 0.02 0.03	in n/a n/a 0.00	(loc) - - 2	I/defl n/a n/a n/a	PLATES MT20	GRIP 244/190
Snow (Pf/Pg) TCDL BCLL BCDL	Dan Ctrock Incr	YES IRC2015/TPI2014	WB Matrix-MP					Weight: 33 lb	FT = 20%

Structural wood sheathing directly applied or 6-0-0 oc purlins, BRACING TOP CHORD except end verticals. LUMBER Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.2 TOP CHORD **BOT CHORD** 2x4 SP No.2 **BOT CHORD** 2x4 SP No.3 WEBS

**OTHERS** REACTIONS All bearings 8-0-0.

2x4 SP No.3

(lb) - Max Horiz 2=59 (LC 11), 11=59 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 7, 8, 9, 10, 11

Max Grav All reactions 250 (lb) or less at joint(s) 2, 7, 8, 9, 10, 11

**FORCES** 

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

# NOTES

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2)
- vvind: ASCE 7-10; vult=150mpn (5-second gust) vasu=165mpn, 160E=0.0psi, BGDE=0.0psi, 1125ii, 6at.1 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 1)
- ZUNE, C=C for members and forces α invvrris for reactions shown, Lumber DOL=1.00 plate grip DOL=1.30

  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 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.45); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (gro
- DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10; Min. flat roof snow load governs. 3)
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads. Unbalanced snow loads have been considered for this design.
- All plates are 2x4 MT20 unless otherwise indicated.
- 7)
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 8)
- any outer members.

  One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7, 2, 8, 9, and 10. This connection is for uplift only and does not consider
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

			Ohr	Plv	ONSITE / HILLMON GROVE ROAD
Job	Truss	Truss Type	Qty	гіу	ONOTIE / THE EMPTY OF THE EMPTY
00000004	J08A	Jack-Closed	10	1	Job Reference (optional)
20020001	00071	D 0.00 C Ma	* 40 2020 D	rint: 8 330 S	Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:42 Page: 1

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Thu Apr 0

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

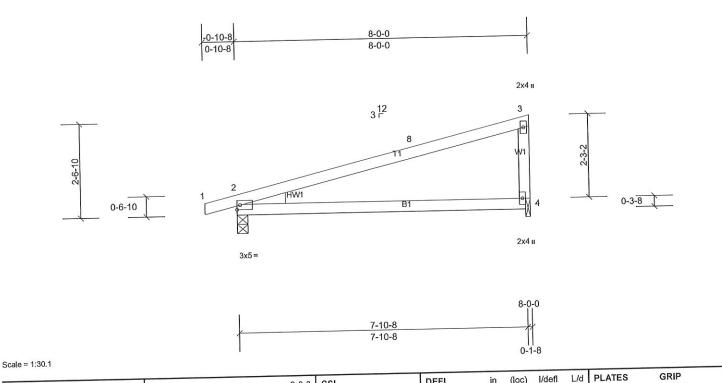
installed during truss erection, in accordance with Stabilizer

MiTek recommends that Stabilizers and required cross bracing be

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

except end verticals.

Installation guide.



DEFL (loc) 2-0-0 CSI 244/190 (psf) Spacing 240 Loading >250 0.78 Vert(LL) 0.38 4-7 Plate Grip DOL 1.15 TC 20.0 180 >294 TCLL (roof) Vert(CT) -0.32 4-7 0.51 1.15 RC. Lumber DOL 13.9/20.0 Snow (Pf/Pg) n/a Horz(CT) 0.04 2 n/a 0.00 YES WB Rep Stress Incr TCDL 10.0 Matrix-MP IRC2015/TPI2014 0.0 Code Weight: 30 lb FT = 20%BCLL 10.0 BCDL

BRACING

TOP CHORD

**BOT CHORD** 

LUMBER

TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 2x4 SP No.3 **WEBS** 

Left: 2x4 SP No.3 WEDGE

2=309/0-3-8, (min. 0-1-8), 4=264/0-1-8, (min. 0-1-8) REACTIONS (lb/size)

Max Horiz 2=61 (LC 11) Max Uplift 2=-100 (LC 11), 4=-91 (LC 11) Max Grav 2=368 (LC 2), 4=311 (LC 2)

**FORCES** 

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

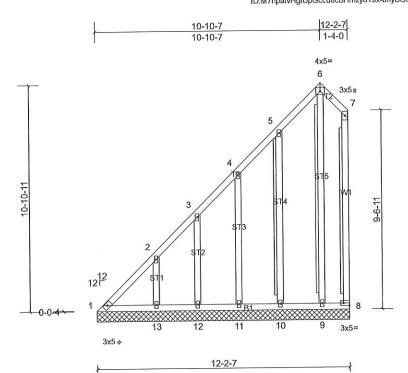
# NOTES

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 1)
- cantilever left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.47). 2) DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10; Min. flat roof snow load governs.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 5)
- Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.

  One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	ONSITE / HILLMON GROVE ROAD
2,0020001	V12	Valley	1	1	Job Reference (optional)

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Thu Apr 02 13:45:42 ID:M7npatvHgIUpGcLd8cBHmzy819x-bhyBG31mvK9l2FjacF3CkRh10PQl9OwmB?b8g0zUlYt



Scale = 1:53.4

Plate Offsets (X. Y): [8:Edge.0-1-8]

Loading         (psf)           TCLL (roof)         20.0           Snow (Pf/Pg)         13.9/20.0           TCDL         10.0           BCLL         0.0*           BCDL         10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 1.15 YES IRC2015/TPI2014	TC	0.64 0.28 0.25	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 8	I/defl n/a n/a n/a	999 999 n/a	PLATES MT20 Weight: 104 lb	GRIP 244/190 FT = 20%
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LUMBER TOP CHORD

2x4 SP No.2 2x4 SP No.2

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

**WEBS** 

2x4 SP No.2 \*Except\* ST2,ST1:2x4 SP No.3 **OTHERS** 

REACTIONS All bearings 12-2-7.

(lb) - Max Horiz 1=312 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 8, 10, 11, 12, 13 except

9=-112 (LC 12)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 8, 9, 10, 11, 12, 13

BRACING TOP CHORD

**BOT CHORD** 

**WEBS** 

Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SPF No.2 - 7-8, 6-9, 5-10 Fasten (2X) T and I braces to narrow edge of web with 10d

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

(0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length.

except end verticals.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES

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

TOP CHORD

1-2=-577/534, 2-3=-463/426, 3-4=-355/343, 4-5=-249/258, 6-7=-311/340, 7-8=-289/303

**WEBS** 

6-9=-412/332

# NOTES

Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; cantilever left and right e
- 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 3)
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing. 6)
- Gable studs spaced at 2-0-0 oc.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
- One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8, 9, 10, 11, 12, and 13. This connection is for uplift only and does not
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S)