

RE: P240765-01 Roof - HR Lot 200

Site Information:

Customer: Clayton Properties Project Name: P240765-01 Lot/Block: 200 Model: Address: 3203 SW Arbor Sound Dr. City: Lee's Summit

Subdivision: Hawthorne Ridge State: MO

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7-16 Roof Load: 45.0 psf

Design Program: MiTek 20/20 8.6 Wind Speed: 115 mph Floor Load: N/A psf

This package includes 53 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	166262039	A01	6/14/2024	21	166262059	B13	6/14/2024
2	166262040	A02	6/14/2024	22	166262060	C01	6/14/2024
3	166262041	A03	6/14/2024	23	166262061	C02	6/14/2024
4	166262042	A04	6/14/2024	24	166262062	C03	6/14/2024
5	166262043	A05	6/14/2024	25	166262063	C04	6/14/2024
6	166262044	A06	6/14/2024	26	166262064	CJ1	6/14/2024
7	166262045	A07	6/14/2024	27	166262065	CJ02	6/14/2024
8	166262046	A08	6/14/2024	28	166262066	CJ03	6/14/2024
9	166262047	B01	6/14/2024	29	166262067	CJ04	6/14/2024
10	166262048	B02	6/14/2024	30	166262068	HG1	6/14/2024
11	166262049	B03	6/14/2024	31	166262069	HG2	6/14/2024
12	166262050	B04	6/14/2024	32	166262070	HG3	6/14/2024
13	166262051	B05	6/14/2024	33	166262071	HG4	6/14/2024
14	166262052	B06	6/14/2024	34	166262072	HG5	6/14/2024
15	166262053	B07	6/14/2024	35	166262073	J01	6/14/2024
16	166262054	B08	6/14/2024	36	166262074	J02	6/14/2024
17	166262055	B09	6/14/2024	37	166262075	J03	6/14/2024
18	166262056	B10	6/14/2024	38	166262076	J04	6/14/2024
19	166262057	B11	6/14/2024	39	166262077	J05	6/14/2024
20	166262058	B12	6/14/2024	40	166262078	J06	6/14/2024

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc under my direct supervision based on the parameters provided by . Truss Design Engineer's Name: Sevier, Scott

My license renewal date for the state of Missouri is December 31, 2025. Missouri COA: 001193

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. Any project specific information included is for MiTek customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.



Sevier, Scott

June 14, 2024
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/2024 4:16:46

MiTek, Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200



RE: P240765-01 - Roof - HR Lot 200

MiTek, Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200

Site Information:

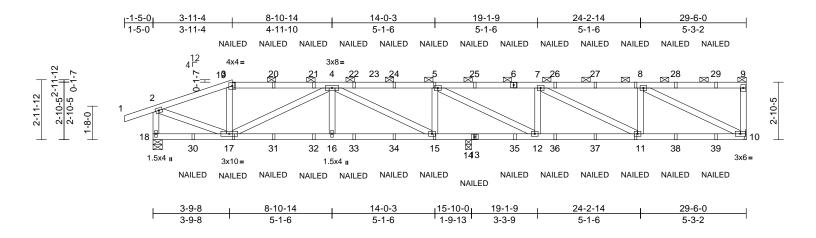
Proje	ct Customer:	Clayton Properties	Project Name: P240765-01						
	lock: 200		Subdivision: Hawthorne Rid						
Addr	ess: 3203 SV	V Arbor Sound Dr.		5					
City,	County: Lee's	s Summit	State: MO						
-	-								
No.	Seal#	Truss Name	Date						
11	166262070	107	6/11/2021						

No.	Seal#	Truss Name	Date
41	166262079	J07	6/14/2024
42	166262080	J08	6/14/2024
43	166262081	J09	6/14/2024
44	166262082	J10	6/14/2024
45	166262083	J11	6/14/2024
46	166262084	J13	6/14/2024
47	166262085	J14	6/14/2024
48	166262086	J15	6/14/2024
49	166262087	J16	6/14/2024
50	166262088	J18	6/14/2024
51	166262089	J19	6/14/2024
52	166262090	M01	6/14/2024
53	166262091	M02	6/14/2024



Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A01	Half Hip Girder	1	2	Job Reference (optional)	166262039

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:29 ID:4_M9To87?QSqmdKZ76eMvozeBhO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:57.3

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO	8/TPI2014	CSI TC BC WB Matrix-S	0.37 0.90 0.44	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.19 -0.33 0.06	(loc) 15-16 15-16 10	l/defl >999 >562 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 285 lb	GRIP 197/144
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP 1650F 1.5E No.2 2x4 SPF No.3 *Exce Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing.	*Except* 13-10:2x4 S ept* 18-2:2x4 SP No.2 athing directly applie cept end verticals, ar I-0 max.): 3-9. applied or 10-0-0 oc	1) SP 2 d or	2-ply truss to (0.131"x3") n Top chords c oc. Bottom chord 0-9-0 oc. Web connec All loads are except if note CASE(S) sec provided to c	be connected tograils as follows: connected as follows: ds connected as follow ds connected as follows: 2x4 considered equally ed as front (F) or ba stion. Ply to ply con istribute only loads wise indicated.	vs: 2x4 - llows: 2 - 1 row y applied ack (B) t	• 1 row at 0-9-(x4 - 1 row at at 0-9-0 oc. d to all plies, face in the LO. s have been		Inte R80 13) Gra or ti bott 14) "NA per LOAD (1) De Pla	rnationa 02.10.2 a phical p ne orient om chor ILED" ir NDS gu CASE(S)	I Resid and ref urlin re adicate ideline of Live ase=1	ned in accordance dential Code sect erenced standard presentation doe of the purlin along s Girder: 3-10d (s. ndard e (balanced): Lun .15	ce with the 2018 tions R502.11.1 and d ANSI/TPI 1. es not depict the size
FORCES TOP CHORD	18=0-5-8 Max Horiz 18=124 (L Max Uplift 10=-404 (18=-509 (Max Grav 10=1400 18=1592 (lb) - Maximum Com Tension 1-2=0/35, 2-3=-1906 4-5=-3236/1035, 5-7 7-8=-2329/719, 8-9=	LC 9), 14=-133 (LC 9 LC 8) (LC 1), 14=576 (LC 1 (LC 1) ppression/Maximum 3/598, 3-4=-1765/591),	this design. Wind: ASCE Vasd=91mph Ke=1.00; Ca exterior zone Interior (1) 3- Interior (1) 1 exposed ; en members an Lumber DOL	roof live loads have 7-16; Vult=115mp n; TCDL=6.0psf; Bd t. II; Exp C; Enclos and C-C Exterior(7-0 to 3-11-4, Exte I-0-2 to 29-4-4 zon d vertical left and r d forces & MWFRS =1.60 plate grip D quate drainage to p	h (3-sec CDL=6.0 ed; MW 2E) -1-5 erior(2R he; canti ight exp 5 for rea OL=1.60	cond gust) Dpsf; h=35ft; FRS (envelop 5-0 to 3-7-0,) 3-11-4 to 11- lever left and r ossed;C-C for ctions shown;	0-2, ight	Cc	Vert: 1-2 oncentra Vert: 3= 15=-18 (B), 21= 26=-37 30=-116 34=-18	2=-70, ted Los -37 (B) (B), 5= -37 (B) (B), 27 5 (B), 3 (B), 35	2-370, 3-970 ads (Ib)), 6=-37 (B), 13 -37 (B), 1118 (), 2237 (B), 24 -37 (B), 2837 118 (B), 321	-18 (B), 17=-18 (B), (B), 8=-37 (B), 20=-37 =-37 (B), 25=-37 (B),
BOT CHORD	2-18=-1485/577 17-18=-213/170, 16- 15-16=-1060/3328, 12-14=-1032/3236, 10-11=-731/2329	14-15=-1032/3236,	6) 7) 8)	This truss ha chord live loa * This truss h	3x4 MT20 unless s been designed fo ad nonconcurrent w as been designed	or a 10.0 vith any for a liv) psf bottom other live load e load of 20.0					ATE OF N	MISSO
WEBS	2-17=-535/1837, 3-1 4-17=-1778/528, 4-1	6=0/427, 4-15=-113/ 2=-53/40, 7-12=-41/12	,	3-06-00 tall to chord and an Bearings are crushing cap	n chord in all areas by 2-00-00 wide wil by other members. assumed to be: Jo acity of 565 psi, Jo acity of 565 psi.	l fit betv pint 18 S	veen the botto SP 1650F 1.5E				×	SCOT SEVI	TM. YE Y
NOTES) Refer to gird	er(s) for truss to tru hanical connection			1			A.	NUMI PE-2001	

bearing plate capable of withstanding 404 lb uplift at joint 10, 509 lb uplift at joint 18 and 133 lb uplift at joint 14

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TION

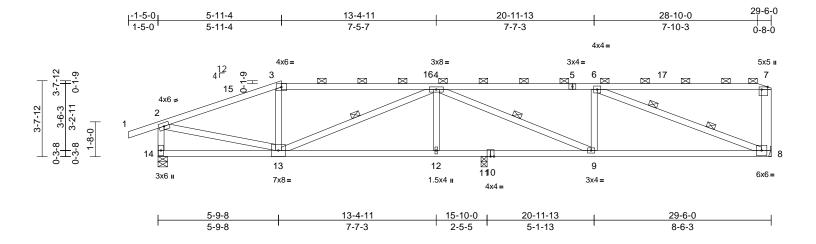
IEW

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A02	Нір	1	1	Job Reference (optional)	166262040

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:30 ID:53Ttk2zm_J0Bw4Xd6OsIg8zeBgK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

32:30 Page: 1



Scale = 1:55.4

Plate Offsets (X, Y): [7:0-1-8,Edge]

	1). [7.0-1-6,Euge]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.95 0.95 0.84	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.26 -0.50 0.09	(loc) 12-13 12-13 8	l/defl >725 >369 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 142 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD 2 BOT CHORD 2 BOT CHORD 2 BRACING TOP CHORD 3 BOT CHORD 4 WEBS 2 REACTIONS (s) MA FORCES (TOP CHORD 1 TOP CHORD 1 TOP CHORD 1 BOT CHORD 1 TOP CHORD 1 WEBS 2 BOT CHORD 1 TOP CHORD 1 TOP CHORD 1 SOT CHORD 1 TOP CHORD 2 SOT CHORD 2 TOP CHORD 2 TOP CHORD 2 SOT CHORD 2 TOP CHORD 2	2x4 SP 1650F 1.5E No.2 2x4 SP No.2 *Excep 1.5E 2x4 SPF No.3 *Exce 3-7:2x6 SPF No.2 Structural wood she 3-8-14 oc purlins, e 2-0-0 oc purlins (3-6 Rigid ceiling directly bracing. 1 Row at midpt 2 Rows at 1/3 pts ize) 8= Mecha lax Horiz 14=155 (L 14=-350 (14=-350 (14=-350 (14=-350 (14=-350 (14=-350 (14=-350 (14=-324)/569, 6-7= 13-14=-289/237, 12- 11-12=-705/2654, 9- 8-9=-571/2241 3-13=-0/272, 4-13=-1 4-9=-448/186, 6-9=0 2-13=-382/1716	*Except* 1-3:2x4 SP oft* 10-14:2x4 SP 165(athing directly applied xcept end verticals, a i-14 max.): 3-7. applied or 6-9-2 oc 4-13, 4-9 6-8 anical, 11=0-3-8, 14=(LC 9) C 8), 11=-17 (LC 9), LC 8) LC 1), 11=168 (LC 1), (LC 1) apression/Maximum 1/500, 2-14=-1310/48 1761/509, s-138/98 -13=-705/2654,	2) DF 2, nd 3) 4) 5) 0-5-8 6) 7) 8) 1, 9) 1, 9) 1, 10 50, LC	Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 3 Interior (1) 1 right expose for members Lumber DOL Provide adee This truss ha chord live loa * This truss fa on the bottor 3-06-00 tall th chord and ar Bearings are crushing cap crushing cap crushing cap Refer to gird Provide mec bearing plate joint 8, 350 II This truss is International R802.10.2 a	7-16; Vult=115mp 7; TCDL=6.0psf; Bi t. II; Exp C; Encloss and C-C Exterior(7-0 to 5-11-4, Exte 3-0-2 to 29-3-4 zor d; end vertical left and forces & MWU =1.60 plate grip D quate drainage to p seen designed fractional designed nas been designed fractional designed n chord in all areas by 2-00-00 wide will y other members. activ of 565 psi. er(s) for truss to tru- hanical connections to capable of withsta to capable of withsta to uplift at joint 14 a designed in accord Residential Code nd referenced stann rlin representation ation of the purlin a d.	CDL=6. (CDL=6. (WW) (2E) -1- erior(2R erior(2R erior(2R FRS for OL=1.6(or event void or a 10.0, vith any for a liv s where ll fit betw bint 11 S uss conre (by oth anding 2 nd 17 lb dance w sections dard AN does no	Dpsf; h=35ft; FRS (envelop i-0 to 3-7-0, 5-0 to 3-7-0, 5-0 to 3-7-0, texposed;C- reactions sho) bolt the short water ponding) psf bottom other live loa e load of 20.0 a rectangle veen the bottom SP 1650F 1.5 P 1650F 1.5	3-0-2, -C own; g. dds. Opsf om E E to t 11.					MISSOLIE M. ER Sectors M. ER Sectors M. ENGLIE

June 14,2024

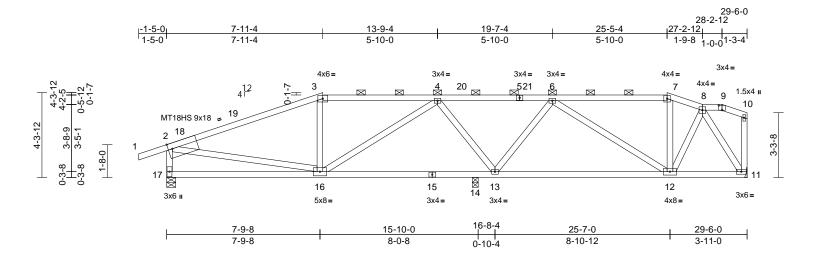
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A03	Roof Special	1	1	Job Reference (optional)	166262041

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:30 ID:Srs1UCfvoW4EehpOO9sRxxzeBfS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:58.6	
Plate Offsets (X, Y):	[2:0-2-8,Edge], [9:0-2-0,0-2-13]

Plate Offsets ((X, Y): [2:0-2-8,Edge],	, [9:0-2-0,0-2-13]			-								
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.83 0.76 0.86	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.22 -0.46 0.05	(loc) 14-16 12-13 11	l/defl >856 >356 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 148 lb	GRIP 197/144 197/144 FT = 20%
	1.5E 2x4 SPF No.3 *Exce No.2 Structural wood she 4-5-13 oc purlins, e 2-0-0 oc purlins (3-8 Rigid ceiling directly bracing.	et* 15-11:2x4 SP 1650 ept* 17-2,11-10:2x4 S athing directly applie xcept end verticals, a 8-6 max.): 3-7, 8-9. • applied or 7-4-3 oc manical, 14=0-3-8, 	DF P d or ind 3) 4) 5) 6)	Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 3 Interior (1) 1 27-2-12, Inte 28-2-12 to 22 exposed; er members an Lumber DOL Provide adea All plates are chord live loa * This truss ha chord live loa * This truss for on the bottor 3-06-00 tall the chord and ar Bearings are capacity of 5	7-16; Vult=115m h; TCDL=6.0psf; I h; TCDL=6.0psf; I t. II; Exp C; Enclc e and C-C Exterio 7-0 to 7-11-4, Eb 5-0-2 to 25-5-4, E rior (1) 27-2-12 tr 9-4-4 zone; cantil d vertical left and d forces & MWFF =1.60 plate grip I quate drainage to a MT20 plates uni as been designe m chord in all are: by 2-00-00 wide v hy other members a sasumed to be: 165 psi, Joint 14 S	BCDL=6. Ssed; MW br(2E) -1-{ terior(2R Exterior(2R Exterior(2R Exterior(2R Case-2-12 terior(2R Case-2	Dpsf; h=35ft; FRS (envelop 5-0 to 3-7-0, 7-11-4 to 15 E) 25-5-4 to , Exterior(2E) and right bossed;C-C for ctions shown water ponding water ponding water ponding water ponding a rectangle veen the botto GP No.2 crush	; ; g. d. ds. opsf om					
TOP CHORD	Tension 1-2=0/35, 2-3=-1659 4-6=-1545/526, 6-7=		323, ⁹⁾	o ()						AISSO			
BOT CHORD	16-17=-354/335, 14 13-14=-605/1737, 12 11-12=-233/626		10	Ínternational	designed in acco Residential Code nd referenced sta	e sections	R502.11.1 a	nd			A	S SCOTT	MI. YAY
WEBS NOTES 1) Unbalance this design	3-16=0/193, 4-16=-4 6-13=-80/85, 6-12=- 8-12=-185/708, 8-11 2-16=-267/1232 ed roof live loads have		, ' ' ' L(1) Graphical pu	Irlin representatio ation of the purlin d.	on does no	ot depict the s	size			the second se	PE-20010 PE-20010	L ENGINE
												June	14,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

TION IEW DEVELOPMENT SERVICES LEE'S' SUMMIT'S MISSOURI 08/20/2024 4:16:46

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A04	Нір	1	1	Job Reference (optional)	166262042

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:31 ID:EkzC0?nEu5n2I_QGKB1ECZzeBe?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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DEVELOPMENT SERVICES LEE'S'SUMMIT,SMISSOURI 08/20/2024 4:16:46

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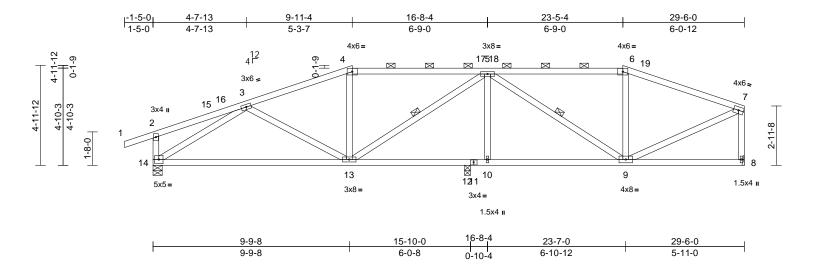
June 14,2024

PE-200101880

SIONAL

ROFF

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Scale = 1:57.5

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.84	Vert(LL)	-0.24	13-14	>793	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.94	Vert(CT)	-0.50	13-14	>375	180		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.90	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code	IRC20	18/TPI2014	Matrix-S							Weight: 149 lb	FT = 20%
LUMBER			2) Wind: ASCE	7-16; Vult=115m	nph (3-sec	cond gust)						
TOP CHORD	2x4 SP No.2			Vasd=91mp	h; TCDL=6.0psf;	BCDL=6.	Opsf; h=35ft;						
BOT CHORD	2x4 SP 1650F 1.5E	*Except* 11-14:2x4	SP		t. II; Exp C; Encle			pe)					
	No.2				e and C-C Exterio								
WEBS	2x4 SPF No.3 *Exce	ept* 14-2,8-7:2x4 SP	No.2	()	-7-0 to 9-11-4, E	· · ·	,	7-0-2,					
BRACING					7-0-2 to 23-5-4, I								
TOP CHORD	Structural wood she				cantilever left ar nd right exposed								
	4-0-1 oc purlins, ex		nd		FRS for reaction								
	2-0-0 oc purlins (4-0				late grip DOL=1.0		Lumber						
BOT CHORD	Rigid ceiling directly	applied or 8-0-10 or) 		quate drainage to		water pondin	a					
WEBS	bracing.	E 40 E 0	4		is been designed			9.					
		5-13, 5-9			ad nonconcurren			ids.					
	()	anical, 12=0-3-8, 14=	-0-5-8 5		nas been designe								
	Max Horiz 14=105 (I	,		on the bottor	n chord in all are	eas where	a rectangle						
	Max Uplift 8=-202 (L 14=-287 (),		by 2-00-00 wide v		veen the bott	om					
	Max Grav 8=1037 (L		`		ny other member								
	14=1185		, 6		assumed to be:								
FORCES	(lb) - Maximum Corr	()			65 psi, Joint 12 S	SP No.2 c	rushing capa	city					
TOROLO	Tension	ipression/maximum	7	of 565 psi.	er(s) for truss to	truce con	actiona						
TOP CHORD	1-2=0/35, 2-3=-168/	69. 3-4=-1503/401.	/ 8		hanical connection			to					
	4-5=-1376/408, 5-6=		L. L.		e capable of with								
	6-7=-1157/337, 2-14	1=-300/220,			b uplift at joint 14								
	7-8=-1007/328			12.			io apint at join	it.					
BOT CHORD	13-14=-505/1319, 12	2-13=-357/1305,	g		designed in acco	ordance w	ith the 2018					000	TOP
	10-12=-357/1305, 9	-10=-357/1305,			Residential Cod			and				8. OF M	AIC D
	8-9=-61/69			R802.10.2 a	nd referenced sta	andard AN	ISI/TPI 1.				- 1	BIE	0.0
WEBS	3-13=0/244, 4-13=0				Irlin representatio			size			6	STATE OF M	New Y
	5-10=-428/248, 5-9=	,	п,		ation of the purlin	n along the	e top and/or				H	SCOT	M. Yor V
	7-9=-271/1105, 3-14	1=-1449/416		bottom chore							R	/ SEVI	ER \ Y
NOTES				OAD CASE(S)	Standard						50		
,	ed roof live loads have	been considered for	•									att?	Andia
this desiar	1.												

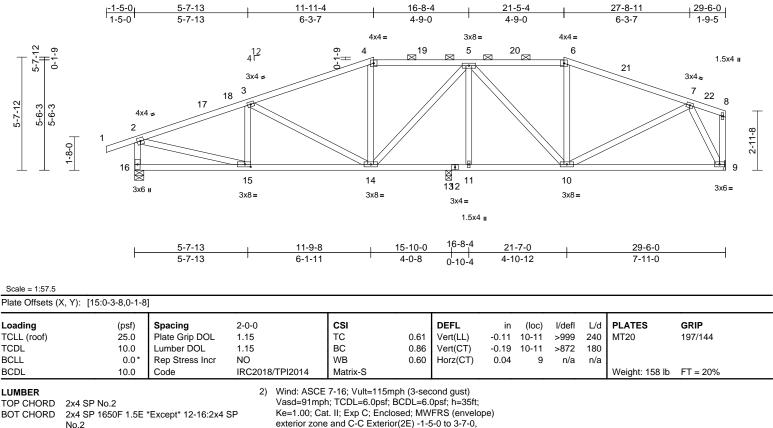
this design.

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A05	Нір	1	1	Job Reference (optional)	166262043

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:31 ID:X90YIehHE7EPoVfgERtqINzeBcq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	110.2										
WEBS	2x4 SPF I	No.3 *Except* 16-2,9-8:2x4 SP No.2									
BRACING											
TOP CHORD	Structura	wood sheathing directly applied or									
	4-2-9 oc p	4-2-9 oc purlins, except end verticals, and									
	2-0-0 oc p	2-0-0 oc purlins (5-3-15 max.): 4-6.									
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc									
	bracing,										
	8-3-6 oc l	pracing: 14-15.									
REACTIONS	(size)	9= Mechanical, 13=0-3-8, 16=0-5-8									
	Max Horiz	16=96 (LC 9)									
	Max Uplift	9=-206 (LC 9), 13=-105 (LC 8),									
		16=-290 (LC 8)									
	Max Grav	9=984 (LC 1), 13=615 (LC 1),									
		16=1139 (LC 1)									
FORCES	(lb) - Max	imum Compression/Maximum									
	Tension										
TOP CHORD	1-2=0/35,	2-3=-1520/434, 3-4=-1249/407,									
	1-5-1120	1/118 5-6-000/306 6-7-1112/376									

TOP CHORD	1-2=0/35, 2-3=-1520/434, 3-4=-1249/407,
	4-5=-1120/418, 5-6=-990/396, 6-7=-1112/376,
	7-8=-79/60, 2-16=-1089/425, 8-9=-81/83
BOT CHORD	15-16=-189/196, 14-15=-501/1388,
	13-14=-327/964, 11-13=-327/964,
	10-11=-327/964, 9-10=-236/515
WEBS	3-15=-203/153, 3-14=-323/160, 4-14=-1/140,
	5-14=-90/271, 5-10=-99/84, 6-10=-50/118,
	7-10=-78/539, 2-15=-322/1361,
	7-9=-1126/478, 5-11=-567/219

NOTES

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

exterior zone and C-C Exterior(2E) -1-5-0 to 3-7-0, Interior (1) 3-7-0 to 11-11-4, Exterior(2R) 11-11-4 to 19-0-2, Interior (1) 19-0-2 to 21-5-4, Exterior(2R) 21-5-4 to 28-6-2, Interior (1) 28-6-2 to 29-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Bearings are assumed to be: Joint 16 SP No.2 crushing 6) capacity of 565 psi, Joint 13 SP No.2 crushing capacity of 565 psi.

Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 290 lb uplift at joint 16, 206 lb uplift at joint 9 and 105 lb uplift at joint 13
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



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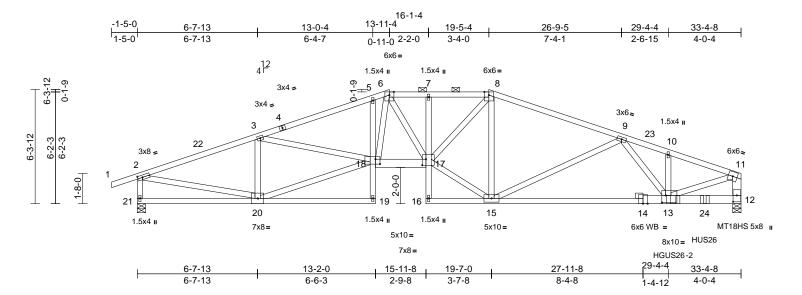
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3)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A06	Hip Girder	1	2	Job Reference (optional)	166262044

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:31 ID:MsQg8KANpQHkbfiMarbCMpzeBcC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:63.7

Plate Offsets (X, Y): [2:0-3-3,0-1-8],	[12:0-4-4,0-2-8], [13:0)-2-8,0-4	-12], [17:0-2-8,	,0-4-0], [18:0-3-0,	,0-3-4]							
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.79	Vert(LL)	-0.19	7	>999	240	MT20	244/190
TCDL	10.0		1.15		BC	0.89	Vert(CT)	-0.36	13-15	>999	180	MT18HS	197/144
BCLL	0.0*		NO		WB	0.89	Horz(CT)	0.14	12	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S	-						Weight: 398 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	No.2 2x4 SPF No.3 *Exce No.2, 12-11:2x6 SPF 2x4 SP No.2 Structural wood she except end verticals (5-5-10 max.): 6-8. Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 16	athing directly applied, , and 2-0-0 oc purlins applied or 10-0-0 oc -17.	PF	(0.131"x3") r Top chords c oc, 2x6 - 2 rc Bottom chord 0-9-0 oc, 2x6 Web connec Except mem oc. All loads are except if noto CASE(S) sec provided to c unless other	b be connected to hails as follows: connected as follows: connected as follows staggered at ds connected as follows: 2x ber 10-13 2x4 - 2 considered equa ed as front (F) or ction. Ply to ply cr distribute only lox distribute only lox wise indicated. roof live loads ha	ows: 2x4 0-9-0 oc. follows: 2 red at 0-9 (4 - 1 row 2 rows sta ally applie back (B) ponnection ds noted	- 1 row at 0-9- x4 - 1 row at -0 oc. at 0-9-0 oc, ggered at 0-2- d to all plies, face in the LO s have been as (F) or (B),	-0 DAD	bea join 11) Thi: Inte R8(12) Gra or t bott 13) Use 8-1 con 14) Use Tru	tring plat t 21 and s truss is ernationa 02.10.2 a uphical p he orien tom choi e Simpso 6d Truss inect trus e Simpso ss) or ec	te capa 1 1309 s desig al Resid and ref urlin re- tation or rd. on Stro s) or eo ss(es) on Stro quivale	able of withstandi Ib uplift at joint 12 ined in accordanc dential Code sect erenced standar apresentation doe of the purlin along ong-Tie HGUS26- quivalent at 29-7- to back face of b	e with the 2018 ions R502.11.1 and d ANSI/TPI 1. es not depict the size g the top and/or 2 (20-16d Girder, 9 from the left end to bottom chord. 4-10d Girder, 4-10d the left end to
REACTIONS	Max Horiz 21=54 (LC Max Uplift 12=-1309		3) ⁴⁾	this design. Wind: ASCE Vasd=91mpl	7-16; Vult=115m h; TCDL=6.0psf; I tt. II; Exp C; Enclo	iph (3-seo BCDL=6.	cond gust) 0psf; h=35ft;		LOAD (1) De Pl	CASE(S) Sta oof Live ease=1	ndard e (balanced): Lun I.15	nber Increase=1.15,
FORCES	(lb) - Maximum Com Tension	pression/Maximum		exterior zone	e and C-C Exterio	or(2E) -1-8	5-0 to 3-7-0,	,0)	U		bads (I	D/IL)	
TOP CHORD		9=-3798/1069, 0-11=-7171/1819,	,	19-5-4, Exter to 33-1-12 zo vertical left a forces & MW	-7-0 to 13-11-4, E rior(2R) 19-5-4 to one; cantilever lef and right exposed /FRS for reaction: late grip DOL=1.6	26-9-5, I ft and righ ;C-C for r s shown;	nterior (1) 26- at exposed ; en nembers and					OF	MISSOL
BOT CHORD	20-21=-126/184, 19- 18-19=0/116, 5-18=- 17-18=-1193/4718, 7 7-17=-257/115, 15-1 13-15=-1453/5570, 7	-20=-22/126, -12/436, 16-17=-9/7, 16=-34/95,	5) 6) 7) 8)	Provide adeo All plates are This truss ha chord live loa	quate grip DOL=1.0 quate drainage to MT20 plates unl as been designed ad nonconcurrent nas been designe	prevent less other for a 10. with any	wise indicated opsf bottom other live load	d. ds.				STATE OF I SCOT SEVI	гм.
WEBS	6-17=-212/842, 8-15 11-13=-1619/6644, 3 3-18=-432/1799, 6-1 15-17=-965/4030, 8 9-15=-2358/748, 2-2 9-13=-676/2171, 18- 10-13=-51/122	5=-898/343, 3-20=-1463/511, 18=-266/433, -17=-619/2283, 20=-714/2955,	9)	on the bottor 3-06-00 tall to chord and ar Bearings are	n chord in all area by 2-00-00 wide w by other members assumed to be: 65 psi, Joint 12 S	as where vill fit betv s. Joint 21 \$	a rectangle veen the botto SP No.2 crush	, om iing				NUM PE-2001	LENGT
NOTES												-utt	

June 14,2024



Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 ANS/ITP/1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A06	Hip Girder	1	2	Job Reference (optional)	166262044

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:31 ID:MsQg8KANpQHkbfiMarbCMpzeBcC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Vert: 1-2=-70, 2-6=-70, 6-8=-70, 8-11=-70, 19-21=-20, 17-18=-20, 12-16=-20 Concentrated Loads (lb) Vert: 13=-3608 (B), 24=-687 (B)

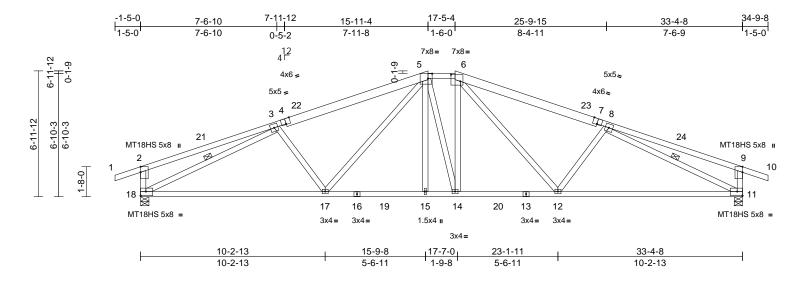
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Page: 2

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A07	Нір	1	1	Job Reference (optional)	166262045

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:31 ID:BYroY?fSOjJ2Pom2wEJb_EzeBba-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:63.9

Plate Offsets (2	X, Y): [2:0-3-11,Edge], [4:0-3-0,Edge], [5:0	-2-12,0-3	8-4], [6:0-6-4,0-	4-8], [7:0-3-0,Eo	dge], [9:0-3	-11,Edge], [1	1:Edge,	0-2-12],	[18:Edg	e,0-2-1	2]	
oading	(psf)	Spacing	2-0-0		csi		DEFL	in	· · ·	l/defl	L/d	PLATES	GRIP
CLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.92	Vert(LL)		11-12	>999	240	MT20	197/144
CDL	10.0	Lumber DOL	1.15		BC	0.93	Vert(CT)		11-12	>619	180	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	NO		WB	0.94	Horz(CT)	0.11	11	n/a	n/a		
CDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 184 lb	FT = 20%
JMBER			2)	Wind: ASCE	7-16; Vult=115	mph (3-sec	ond gust)						
OP CHORD	2x4 SP No.2 *Excep	ot* 5-4,6-7:2x6 SPF N	o.2	Vasd=91mpl	n; TCDL=6.0psf	; BCDL=6.0	0psf; h=35ft;						
OT CHORD	2x4 SP 1650F 1.5E	*Except* 16-13:2x4 S	Р		t. II; Exp C; End			pe)					
	No.2				and C-C Exter								
VEBS		ept* 18-2,11-9:2x4 SP			-7-0 to 15-11-4,								
	2400F 2.0E				rior(2R) 17-5-4								
RACING					ne; cantilever le								
OP CHORD		athing directly applied			nd right expose FRS for reaction								
		, and 2-0-0 oc purlins			ate grip DOL=1		Lumber						
	(3-9-4 max.): 5-6.		3)		quate drainage		votor pondin	a					
OT CHORD		applied or 9-4-10 oc	3) 4)		e MT20 plates u								
(500	bracing.	0.40.0.44			is been designe			<i>.</i>					
/EBS		3-18, 8-11	0,		ad nonconcurre			ads					
	(size) 11=0-5-8,		6)		nas been desigr								
	Max Horiz 18=-56 (L	,	<i>,</i>		n chord in all ar								
	Max Uplift 11=-338 (,	3-06-00 tall b	y 2-00-00 wide	will fit betw	veen the botto	om					
	Max Grav 11=1654		2)	chord and ar	y other membe	ers, with BC	DL = 10.0pst	f.					
ORCES	(lb) - Maximum Com	pression/Maximum	7)	All bearings	are assumed to	be SP 165	0F 1.5E crus	shing					
	Tension			capacity of 5									
OP CHORD	5-6=-2003/620, 2-18		8)		hanical connect								
	9-11=-496/320, 1-2=				e capable of with		38 lb uplift at	t					
	3-5=-2480/629, 6-8=	,			338 lb uplift at jo								
	8-9=-415/174, 9-10=		9)		designed in acc								The
OT CHORD	17-18=-538/2296, 15				Residential Co			and				OFM	ALC D
	14-15=-382/2001, 12 11-12=-489/2296	2-14=-369/2005,			nd referenced s							ALE	USS SCH
VEBS		273/277, 6-14=-214/3 [.]			rlin representat			size			A		N.S
		=-95/494, 3-17=-197/2			ation of the purli	in along the	top and/or				A	STATE OF M	M. VEN
	3-18=-2232/491, 8-1			bottom chore							4	SEVI	ER \V
	8-11=-2232/497		L	DAD CASE(S)	Standard						19 -	-1	
OTES											22		0 2
IUIE3											44		· 20. 11

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



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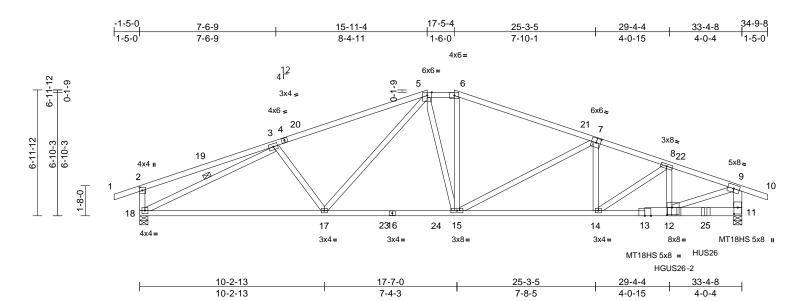
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Page: 1

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A08	Hip Girder	1	2	Job Reference (optional)	166262046

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:31 ID:BYroY?fSOjJ2Pom2wEJb_EzeBba-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:63.8

Plate Offsets (X, Y): [2:0-2-0,0-1-12], [7:0-2-12,0-3-0], [11:0-4-4,0-2-8], [12:0-3-4,0-4-12]

			- ,-	-1,1										
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	1.00	Vert(LL)	-0.23	15-17	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15		BC	0.96	Vert(CT)	-0.36	15-17	>999	180	MT18HS	197/144	
BCLL	0.0*	Rep Stress Incr	NO		WB	0.88	Horz(CT)	0.10	11	n/a	n/a			
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 355 lb	FT = 20%	
LUMBER TOP CHORD	2x4 SP No.2 *Excep 1.5E	t* 4-5,6-7:2x4 SP 16	1) 550F	(0.131"x3") r	be connected tog nails as follows: connected as follow			0	bea	ring plat	te capa	able of withstandi	others) of truss to ng 1252 lb uplift at	
BOT CHORD WEBS	2x4 SP No.2 *Excep 2x4 SPF No.3 *Exce No.2, 11-9:2x6 SPF	pt* 18-2,12-9:2x4 S		oc, 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.						joint 11 and 441 lb uplift at joint 18. 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.				
BRACING					ted as follows: 2x4								s not depict the size	
TOP CHORD	Structural wood shea	athing directly applie	ed,		ber 8-12 2x4 - 2 rc	ows stag	gered at 0-2-0)				of the purlin along	the top and/or	
	except end verticals (6-0-0 max.): 5-6.	, and 2-0-0 oc purlin	s 2)		considered equall				13) Use		on Stro		2 (20-16d Girder,	
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 of	0		ed as front (F) or b ction. Ply to ply coi			AD				uivalent at 29-7- to front face of bo	9 from the left end to ottom chord.	
WEBS	0	3-18		provided to distribute only loads noted as (F) or (B),						Simpso	on Stro	ng-Tie HUS26 (1	4-10d Girder, 4-10d	
		1 Row at midpt 3-18 size) 11=0-5-8. 18=0-5-8			unless otherwise indicated.							nt at 31-4-8 from		
	Max Horiz 18=-58 (L		3)		roof live loads hav	e been	considered for					to front face of bo	ottom chord.	
	Max Uplift 11=-1252	,	(8)	this design.					LOAD					
	Max Grav 11=5770 (7-16; Vult=115mp								nber Increase=1.15,	
FORCES	(lb) - Maximum Com		, 2)		h; TCDL=6.0psf; B			- >		ate Incre hiform Le				
FURGES	Tension	pression/maximum			t. II; Exp C; Enclos			e)	U		Jaus (I	D/IL)		
TOP CHORD	1-2=0/35, 2-3=-399/ ⁻	181 3-53525/850			e and C-C Exterior -7-0 to 15-11-4, Ex									
	5-6=-3246/888, 6-8=				rior(2R) 17-5-4 to 2			6-2						
	8-9=-7670/1679, 9-1		321.		ne; cantilever left a									
	9-11=-5135/1243	,	,		nd right exposed;								-	
BOT CHORD	17-18=-723/3184, 15	5-17=-624/3103,			/FRS for reactions							COOL	1000	
	14-15=-1078/5297, 1	12-14=-1516/7216,			late grip DOL=1.60							A OF I	AISSO	
	11-12=-119/492		5)	Provide adeo	quate drainage to p	orevent	water ponding				1	ATEOFT	-00, W	
WEBS	5-15=-220/893, 6-15		6)	All plates are	MT20 plates unle	ess other	wise indicated	d.					New Yar	
	9-12=-1500/7144, 7-		7)		as been designed f						R	~/		
	8-14=-2453/597, 7-1				ad nonconcurrent v						La.	SEVI		
	5-17=-135/331, 8-12		8)		nas been designed			psf			WV*	1 the	0 1	
	3-17=-80/340, 3-18=	-3259/695			n chord in all area						XX) /	Antt)	SIMU	
NOTES					by 2-00-00 wide winy other members,					-	N.	NUMI DE 2001		

9) Bearings are assumed to be: Joint 18 SP No.2 crushing capacity of 565 psi, Joint 11 SPF No.2 crushing capacity of 425 psi.



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June 14,2024

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Page: 1

Continued on page 2 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	A08	Hip Girder	1	2	Job Reference (optional)	166262046

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:31 ID:BYroY?fSOjJ2Pom2wEJb_EzeBba-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Vert: 1-2=-70, 2-5=-70, 5-6=-70, 6-9=-70, 9-10=-70, 11-18=-20

Concentrated Loads (lb)

Vert: 12=-4089 (F), 25=-581 (F)

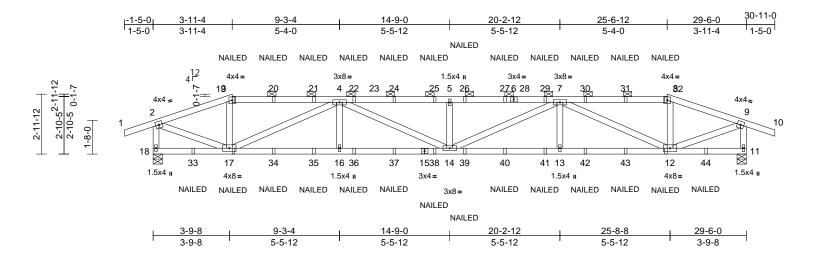
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Page: 2

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B01	Hip Girder	1	2	Job Reference (optional)	166262047

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:32 ID:57e2QzG5EP7bJXy1aKBqV1zeC6L-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:57.3

Scale = 1:57.3													
Loading TCLL (roof) TCDL BCLL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.86 0.66 0.51	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.20 -0.37 0.08	(loc) 14-16 14-16 11	l/defl >999 >960 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 287 lb	GRIP 244/190 FT = 20%
	No.2 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (4-4 Rigid ceiling directly bracing. (size) 11=0-5-8, Max Horiz 18=-34 (L Max Uplift 11=-574 (Max Grav 11=1870 (lb) - Maximum Corr Tension 1-2=0/35, 2-3=-2348 4-5=-5058/1504, 5-7 7-8=-2168/694, 8-9 2-18=-1781/651, 9-1 17-18=-74/106, 16-1 14-16=-1211/4308, 12-13=-1270/4371, 3-17=-25/401, 4-17= 4-14=-245/843, 5-12	r applied or 10-0-0 oc , 18=0-5-8 ,C 10) (LC 9), 18=-574 (LC 8 (LC 1), 18=1870 (LC npression/Maximum 3/708, 3-4=-2179/696 7=-5058/1504, =-2341/707, 9-10=0/3 11=-1782/650 17=-1211/4308, 13-14=-1270/4371, 11-12=-35/63 =-2376/679, 4-16=0/2	3) d or 4) d 4)) 1) 5, 7) 55, 7) 94, 9)	except if note CASE(S) sec provided to d unless otherw Unbalanced I this design. Wind: ASCE Vasd=91mpH Ke=1.00; Cat exterior zone Interior (1) 3- Interior (1) 11 30-11-0 zone vertical left at forces & MW DOL=1.60 pl Provide adeo This truss ha on the bottom 3-06-00 tall b chord and an All bearings a capacity of 50 Provide meck	considered equal ad as front (F) or b tition. Ply to ply co istribute only load wise indicated. roof live loads hav 7-16; Vult=115mm n; TCDL=6.0psf; E t. II; Exp C; Enclo and C-C Exterior 7-0 to 3-11-4, Ext 1-0-2 to 25-6-12, I e; cantilever left ar nd right exposed; FRS for reactions the grip DOL=1.6 uate drainage to s been designed ad nonconcurrent tas been designed ad nonconcurrent as been designed an chord in all area y 2-00-00 wide w by other members are assumed to be 65 psi.	vack (B) nnection ls noted ve been oh (3-sec SCDL=6. sed; MW (2E) -1.4 erior(2R Exterior(2R Exterior(2R C-C for r s shown; 0 prevent t for a 10.1 with any d for a liv s where ill fit betw e SP No. n (by oth	face in the LC s have been as (F) or (B), considered for opsf; h=35ft; (FRS (envelo 5-0 to 3-7-0,) 3-11-4 to 11 2E) 25-6-12 ti exposed; enc nembers and Lumber water ponding other live loa e load of 20.0 a rectangle veen the botto 2 crushing ers) of truss f	pr pe) 1-0-2, o 1 g. g. ads. Opsf om to		11-18=- oncentra Vert: 8= 20=-37 25=-37 30=-37 35=-18 39=-18	2=-70, 20 -37 (F) (F), 21 (F), 26 (F), 31 (F), 36 (F), 40	2-3=-70, 3-8=-70 ads (lb)), 17=-18 (F), 12= =-37 (F), 22=-37 5=-37 (F), 27=-37	(F), 29=-37 (F), 6 (F), 34=-18 (F), (F), 38=-18 (F), (F), 42=-18 (F), (F), 42=-18 (F),
(0.131"x3" Top chord oc. Bottom ch 0-9-0 oc.	8-12=-47/443, 2-17= 9-12=-642/2279 s to be connected toge ') nails as follows: Is connected as follows: ords connected as follows: ords connected as follows: 2x4 -	=-650/2294, ther with 10d s: 2x4 - 1 row at 0-9-0 lows: 2x4 - 1 row at	10 11 12	joint 18 and 5)) This truss is of International R802.10.2 ar)) Graphical put or the orienta bottom chord 2) "NAILED" inco per NDS guio DAD CASE(S)	574 lb uplift at join designed in accor Residential Code d referenced stau rlin representation tition of the purlin l. dicates Girder: 3-1 delines. Standard of Live (balanced)	t 11. dance w sections ndard AN n does no along the	ith the 2018 s R502.11.1 a NSI/TPI 1. ot depict the s top and/or l8" x 3") toe-	and size nails		-		A SCOT SEVI CALL PE-2001	I M. ER BER 018807

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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June 14,2024

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B02	Нір	1	1	Job Reference (optional)	166262048

5-9-8

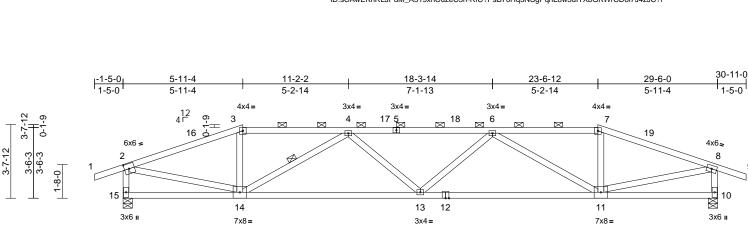
5-9-8

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:32 ID:sCAwEKnRLJPdM_A519xhCuzeC5h-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4x4 =

23-8-8

8-11-8



14-9-0

8-11-8

Scale = 1:57.2

Plate Offsets (X, Y): [2:0-2-11,0-3-0]

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	1.00	Vert(LL)	-0.19	13-14	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.70	Vert(CT)	-0.44	13-14	>788	180		
BCLL	0.0*	Rep Stress Incr	NO		WB	1.00	Horz(CT)	0.08	10	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 141 lb	FT = 20%
LUMBER			2)	Wind: ASCE	7-16; Vult=115mp	h (3-soc	rond quet)						
		ot* 3-5:2x4 SP 2400F	,		h; TCDL=6.0psf; B								
	, 5-7:2x4 SP 16				t. II; Exp C; Enclos			ne)					
	SP 1650F 1.5E	501 1.5L			and C-C Exterior(00)					
		ept* 15-2,10-8:2x4 SF	5		-7-0 to 5-11-4, Exte	,	,	3-0-2					
No.2		pt 13-2,10-0.2x4 01			3-0-2 to 23-6-12, E								
BRACING					e; cantilever left and								
	stural wood cho	athing directly applie	dor		nd right exposed;C								
		cept end verticals, ar			FRS for reactions								
) oc purlins (2-4		u	DOL=1.60 p	late grip DOL=1.60								
		applied or 8-3-6 oc	3)	Provide ade	quate drainage to p	revent v	water ponding	q.					
brac			4)	This truss ha	s been designed for	or a 10.0) psf bottom	-					
		4-14		chord live loa	ad nonconcurrent w	ith any	other live loa	ds.					
REACTIONS (size)	10=0-5-8,		5)	* This truss I	has been designed	for a liv	e load of 20.0	Opsf					
	loriz 15=-25 (L				m chord in all areas								
		LC 9), 15=-351 (LC 8	8)		by 2-00-00 wide wil	l fit betv	veen the botto	om					
		(LC 1), 15=1424 (LC	4		ny other members.								
			6)		are assumed to be	SP 165	0F 1.5E crus	hing					
		pression/Maximum		capacity of 5									
Tens			7)		hanical connection								
	0/35, 2-3=-2030 -2957/759, 6-7=)/509, 3-4=-1852/511	,		capable of withsta		51 lb uplift at						
		=1656/522, =0/35, 2-15=-1378/49	0 0		351 lb uplift at joint								
	=-1376/489	-0/35, 2-15=-1376/48	<i>b</i> 0, 8)		designed in accord								
	=-1370/489 5=-122/160, 13-	-14706/2887			Residential Code			ina				000	TO
	3=-721/2828, 10	,	0)		nd referenced stan			izo				8. OF M	Ale D
		=-1275/391, 4-13=0/2	9) 248		Irlin representation ation of the purlin a			5128				BIE	050.0
	,	201/354, 7-11=-7/37	,	bottom chore		iong me	top and/or				6	AT	N.S.
	=-369/1786, 8-1		,								R	STATE OF M	M. YEN
NOTES	200,		LC	DAD CASE(S)	Siandard						4 .	/ SEVI	ER \V
	live leads have	been considered for									14	-1	1+1
this design	iive ioads flave	Deen considered for									88	6	

this design.



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June 14,2024

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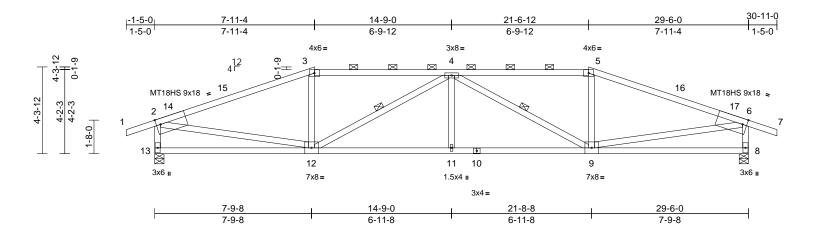
29-6-0

5-9-8

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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B03	Нір	1	1	Job Reference (optional)	166262049

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:33 ID:OH8zbozTaEQMHSOAzWDRrGzeC5R-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:57.2

Plate Offsets (X, Y): [2:0-2-8,Edge], [6:0-2-8,Edge]

Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.87	Vert(LL)	-0.16	9-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.96	Vert(CT)	-0.29	9-11	>999	180	MT18HS	197/144
BCLL	0.0*	Rep Stress Incr	NO		WB	0.75	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 144 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING	2x4 SP 1650F 1.5E No.2 2x4 SP No.2 2x4 SPF No.3 *Exce	pt* 13-2,8-6:2x4 SP		Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 3 Interior (1) 1	7-16; Vult=115n h; TCDL=6.0psf; t. II; Exp C; Encl a and C-C Exterio -7-0 to 7-11-4, E 4-9-0 to 21-6-12, rior (1) 28-7-10 t	BCDL=6.0 osed; MW or(2E) -1-5 xterior(2R) , Exterior(2	Dpsf; h=35ft; FRS (envelo i-0 to 3-7-0, i 7-11-4 to 14 PR) 21-6-12 to	, -9-0, D					
TOP CHORD BOT CHORD	Structural wood she 3-8-13 oc purlins, e 2-0-0 oc purlins (3-2 Rigid ceiling directly bracing.	xcept end verticals, a -6 max.): 3-5.	ind	left and right exposed;C-C	exposed ; end v c for members ar own; Lumber DC	rertical left nd forces &	and right MWFRS for						
	1 Row at midpt (size) 8=0-5-8, 1		3) 4) 5)	All plates are	quate drainage to MT20 plates ur as been designed	less other	wise indicate						
	Max Horiz 13=-15 (L Max Uplift 8=-343 (L Max Grav 8=1424 (L	C 9), 13=-343 (LC 8)		chord live loa * This truss l	ad nonconcurren has been designe n chord in all are	t with any ed for a liv	other live loa e load of 20.0						
FORCES	(lb) - Maximum Com Tension	pression/Maximum		3-06-00 tall I	by 2-00-00 wide by other member	will fit betv		om					
TOP CHORD	1-2=0/35, 2-3=-2126 4-5=-1929/572, 5-6=	-2126/552, 6-7=0/35	, ., ,	All bearings capacity of 5	are assumed to 1 65 psi.	be SP No.	-						
BOT CHORD	2-13=-1348/507, 6-8 12-13=-185/265, 11- 9-11=-612/2542, 8-9	12=-612/2542, =-104/265	8)	bearing plate	hanical connecti capable of with 43 lb uplift at joir	standing 3							m
WEBS	3-12=0/312, 4-12=-8 4-9=-828/208, 5-9=0 6-9=-347/1697		9) 6,	International	designed in acco Residential Cod nd referenced sta	le sections	R502.11.1 a	nd				THE OF M	AISSO
NOTES 1) Unbalance this design	ed roof live loads have n.	been considered for	10) Graphical pu	Irlin representation of the purlir	on does no	ot depict the s	size				SCOTT SEVI	$M. \setminus \mathcal{A}$

LOAD CASE(S) Standard



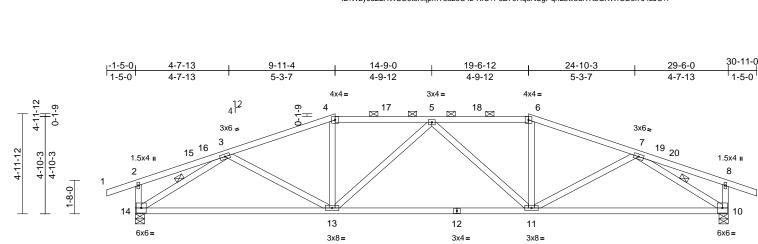
Page: 1

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B04	Нір	1	1	Job Reference (optional)	166262050

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:33 ID:W2yJu2LHWSC6t3hxjpmT3azeC4z-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



19-8-8

9-11-0

9-9-8

9-9-8

Scale = 1:57.3

Leading TCLL (roof) (psf) 25.0 Spacing Plate Grip DOL Lumber DOL 1.15 2-0-0 TC CSI TC 0.07 DEFL TC in (loc) I/def Lumber PLATES GRIP BCLL 0.0* Rep Stress Incr NO BC 0.82 Vert(L) -0.30 11-13 >526 BR BCLL 0.0* Rep Stress Incr NO BC 0.51 Matrix-5 0.67 100.0* Rep Stress Incr NO BCLL 0.0* Rep Stress Incr NO Recolves 0.51 Matrix-5 0.51 Weight: 147 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.2 Structural wood sheathing directly applied or 3-2-12 cop puting (3-11-15 max); 4-6. NO 11.15 max); 4-6. NO 11.15 max); 4-6. NO 26-710; Cl II: Exp C: Inclosed: MWFRS I for reactions shown; Lumber DOL=1.2, Exterior(ZR) 1-10 to 3-7-0, Interior (1) 3-70 to 9-11-4, Exterior(ZR) 1-10 to 3-10; Cl II: Exp C: Inclosed: MWFRS I for reactions shown; Lumber DOL=1.60 Provide adequate drainage to prevnt water pondig. 9 Provide adequate drainage to prevnt water pondig. 9 11-10 to 2-0, cl II: Exp C: Inclosed: MWFRS I for reactions shown; Lumber DOL=1.60 9 10.0 pt 4.10 to 10.0 pt 4.10 t														
TCDL 10.0 Lumber DOL 1.15 BC 0.82 Vert(CT) -0.67 11.13 >526 180 BCLL 0.00 Rep Stress Incr NO WB 0.51 Horz(CT) 0.07 10 n/a n/a Meight: 147 lb FT = 20% LUMBER 244 SP No.2 X4 SP ZAOP 2.0E *Except*12-14:2x4 SP 1560F 1.5E Wind: ASCE 7.46; Vulle:15mpt (3.9econd gust) Vasd-91mph; TCDL=6.0pst; BCDL=6.0pst; BcDL=6.	Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
BCLL 0.0° Rep Stress Incr NO WB 0.51 Hor2(CT) 0.07 10 n/a n/a BCDL 10.0 Code IRC2018/TPI2014 WB 0.51 Hor2(CT) 0.07 10 n/a n/a Weight: 147 lb FT = 20% LUMBER 2x4 SP No.2 Vad SP 2400F 2.0E Except*12.14:2x4 SP Kad-91 mph; TCDL=6 Opst; BCDL=6 Opst; BC	TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.67	Vert(LL)	-0.30	11-13	>999	240	MT20	197/144
BCDL 10.0 Code IRC2018/TP12014 Matrix-S Weight: 147 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.2 Weight: 147 lb FT = 20% Weight: 147 lb FT = 20% DOT CHORD 2x4 SP 2400F 2.0E "Except" 12-14:2x4 SP 1650F 1.5E Wind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=91mph; TCDL=6.0pst; h=35ft; Read-ING Vascept 14/2,10-8:2x4 SP No.2 Wind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=91mph; TCDL=6.0pst; h=35ft; Read-ING Vascept 14/2,10-8:2x4 SP No.2 Vind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=91mph; TCDL=6.0pst; h=35ft; Read-ING Vascept 14/2,10-8:2x4 SP No.2 Vind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=91mph; TCDL=6.0pst; h=35ft; Read-ING Vascept 14/2,10-8:2x4 SP No.2 Vind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=91mp; TCDL=6.0pst; h=35ft; Read-ING Vascept 14/2,10-8:2x4 SP No.2 Vind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=91mp; TCDL=6.0pst; h=35ft; Read-ING Vascept 14/2,10-8:2x4 SP No.2 Vind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=91mp; TCDL=6.0pst; h=35ft; Read-ING Vascept 14/2,10-8:2x4 SP No 12/2,0-00; Vinde valce 14/2,10-10; 20-71,0 Vascept 14/2,10-8:2x4 SP Note adequated valce 12/2,0-10-10; 20-71,0 Vascept 14/2,10-10; 20-71,0 Vascept 14/2,10-10; 20-71,0 Vascept 14/2,10-11,0 Vascept 14/2,10-12,0 Vascept 14/2,10-12,0 Vascept 14/2,10-12,0 Vascept 14/2,10-12,0 Vascept 14/2,10-12,0 Vascept 14/2,10-12,0	TCDL	10.0	Lumber DOL	1.15		BC	0.82	Vert(CT)	-0.67	11-13	>526	180		
 LUMBER TOP CHORD 2x4 SP No.2 Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) extentior Zone and C-C Exterior(ZE) 1-5-0 to 3-7-0. Interior (1) 37-0 to 9-11-4, Exterior(ZR) 19-6-12 to 26-7-10, Interior (1) 26-7-10 to 30-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and loss 01-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and loss 01-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and loss 01-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and loss 01-10 zone; cantilever DOI: -1.60 Provide adequate drainage to prevent water ponding. This truss has been designed for a 10-0 psf bottom chord 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 thetween the bottom chord and any other members. Bearings are assumed to be: Joint 14 SP 1650F 1.5E crushing capacity 0 665 psi, Joint 10 SP 2400F 2.0E crushing capacity 0 665 psi, Joint 10 SP 2400F 2.0E crushing capacity 0 665 psi. Provide mechanical connection (by othrss) of truss to bearing plate capable of withstanding 334 lb uplit at joint 14 and 334 lb uplit at joint 1	BCLL	0.0*	Rep Stress Incr	NO		WB	0.51	Horz(CT)	0.07	10	n/a	n/a		
TOP CHORD 2x4 SP No.2 Vasd=91mph; TCDL=6.0ps; fbCL=6.0ps; fbCL=6.	BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 147 lb	FT = 20%
6-7=-2067/571, 7-8=-128/72, 8-9=0/35, 2-14=-283/213, 8-10=-278/216 bearing plate capable of withstanding 334 lb uplift at joint 14 and 334 lb uplift at joint 14 and 334 lb uplift at joint 10. BOT CHORD 13-14=-516/1679, 11-3=-531/2114, 10-11=-443/1688 Bot is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. WEBS 3-13=0/394, 4-13=-14/342, 5-13=-439/170, 5-11=-419/179, 6-11=-11/352, 7-11=0/401, 3-14=-1915/579, 7-10=-1941/567 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 9) Graphical purlin with the top and/or	TOP CHORD BOT CHORD WEBS TOP CHORD BOT CHORD WEBS REACTIONS FORCES	2x4 SP 2400F 2.0E 1650F 1.5E 2x4 SPF No.3 *Exce No.2 Structural wood she 3-2-12 oc purlins, e 2-0-0 oc purlins (3-1 Rigid ceiling directly bracing. 1 Row at midpt (size) 10=0-5-8, Max Horiz 14=-19 (L Max Uplift 10=-334 (Max Grav 10=1424 (lb) - Maximum Com Tension 1-2=0/35, 2-3=-145/	expt* 14-2,10-8:2x4 SF exthing directly applie except end verticals, a (1-15 max.): 4-6. applied or 9-7-12 oc 3-14, 7-10 , 14=0-5-8 .C 13) (LC 9), 14=-334 (LC 6) (LC 1), 14=1424 (LC apression/Maximum (65, 3-4=-2051/579,	SP d or and ; 3) 4) 5) 8) 1) 6)	Vasd=91mp Ke=1.00; Ca exterior zonu- Interior (1) 3 Interior (1) 1 26-7-10, Inte left and right exposed; C-(reactions sh DOL=1.60 Provide ade This truss h chord live lo * This truss on the botto 3-06-00 tall chord and a Bearings are crushing cap	h; TCDL=6.0psf; I tt. II; Exp C; Endc e and C-C Exterio -7-0 to 9-11-4, Ex 7-0-2 to 19-6-12, erior (1) 26-7-10 to exposed ; end ve C for members an own; Lumber DOI quate drainage to as been designed m chord in all area by 2-00-00 wide w oy a other members: e assumed to bes: a acity of 565 psi, so bacity of 805 psi.	BCDL=6. ssed; MW r(2E) -1-{ tterior(2R Exterior(2R Exterior(2 a 30-11-0 ertical left d forces of L=1.60 pl prevent for a 10. with any vd for a liv as where vill fit betw s. Joint 10 S	Opsf; h=35ft; (FRS (envelop 5-0 to 3-7-0,) 9-11-4 to 17 2R) 19-6-12 t v zone; cantile and right & MWFRS for ate grip water ponding 0 psf bottom other live load the load of 20.0 a rectangle veen the bott SP 1650F 1.5 SP 2400F 2.0	7-0-2, o ever r g. ads. 0psf om 5E E				<u> </u>	
WEBS 3-13=-0/394, 4-13=-14/342, 5-13=-439/170, 5-11=-419/179, 6-11=-11/352, 7-11=0/401, 3-14=-1915/579, 7-10=-1941/567 9 NOTES 1) Unbalanced roof live loads have been considered for 1 Unbalanced roof live loads have been considered for 1 LOAD CASE(S) Standard 1 LOA	BOT CHORD	2-14=-283/213, 8-10 13-14=-516/1679, 1)=-278/216	8)	joint 14 and This truss is	334 lb uplift at joir designed in acco	nt 10. rdance w	ith the 2018						<i>T</i>
1) Unbalanced roof live loads have been considered for LOAD CASE(S) Standard		3-13=0/394, 4-13=-1 5-11=-419/179, 6-11	1=-11/352, 7-11=0/40		R802.10.2 a Graphical pu or the orient	nd referenced sta urlin representatio ation of the purlin	ndard AN	NSI/TPI 1.				Ē	STATE OF M	MISSOLA
		ed roof live loads have	been considered for	L								A	SEVI	ER Y

Unbalanced roof live loads have been considered for this design.



June 14,2024

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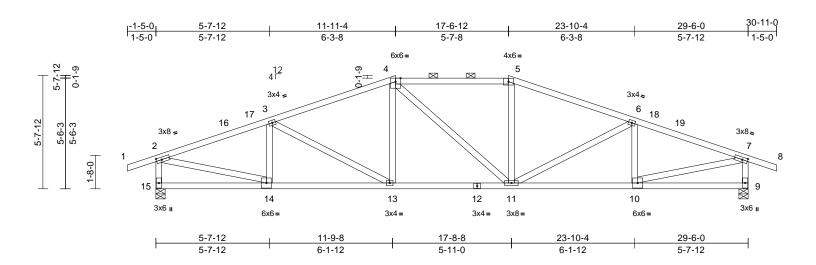
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9-9-8

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B05	Нір	1	1	Job Reference (optional)	66262051

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:33 ID:tYp24OpIKR7a329RWVzc8pzeC4M-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:57.4

Plate Offsets	(X. Y):	[2:0-3-3.0-1-8].	[7:0-3-3,0-1-8]
	(,, ,	<i>.</i>	[<u>2</u> .0 0 0,0 1 0],	[1.0 0 0,0 1 0]

oading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.75	Vert(LL)		11-13	>999	240	MT20	197/144
CDL	10.0	Lumber DOL	1.15		BC	0.70	Vert(CT)	-0.21	11-13	>999	180		
CLL	0.0*	Rep Stress Incr	NO		WB	0.81	Horz(CT)	0.06	9	n/a	n/a		
CDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 152 lb	FT = 20%
UMBER OP CHORD OT CHORD /EBS RACING	2x4 SP No.2 2x4 SP No.2 2x4 SPF No.3 *Exce	pt* 15-2,9-7:2x4 SP	2) No.2	Vasd=91mp Ke=1.00; Ca exterior zone	7-16; Vult=115m h; TCDL=6.0psf; it. II; Exp C; Enclo and C-C Exterio -7-0 to 11-11-4, E	BCDL=6.0 bsed; MW br(2E) -1-5	Dpsf; h=35ft; FRS (envelop 5-0 to 3-7-0,	,					
OP CHORD	Structural wood shea 3-1-4 oc purlins, exo 2-0-0 oc purlins (3-5	cept end verticals, ar -15 max.): 4-5.	nd	24-7-10 to 3 exposed ; er	erior(2R) 17-6-12 0-11-0 zone; can nd vertical left and d forces & MWFI	tilever left d right exp	and right osed;C-C for						
OT CHORD	Rigid ceiling directly bracing.	applied or 8-3-10 oc	:	Lumber DOL	=1.60 plate grip	DOL=1.60)	,					
	(size) 9=0-5-8, 1 Max Horiz 15=-31 (Lu Max Uplift 9=-322 (Lu Max Grav 9=1424 (L	C 13) C 9), 15=-322 (LC 8)		This truss ha chord live loa * This truss l	quate drainage to as been designed ad nonconcurren nas been designe m chord in all are	for a 10.0 t with any ed for a liv) psf bottom other live loa e load of 20.0	ds.					
ORCES	(lb) - Maximum Com Tension		,	3-06-00 tall I	by 2-00-00 wide volumentary other members	will fit betw		om					
OP CHORD	1-2=0/35, 2-3=-2016 4-5=-1769/620, 5-6= 6-7=-2015/589, 7-8= 7-9=-1366/491	-1937/609,	, -,	All bearings capacity of 5 Provide med	are assumed to b	oe SP No. on (by oth	ers) of truss t						
OT CHORD	14-15=-68/138, 13-1 11-13=-419/1767, 10 9-10=-25/85	,	8)	joint 15 and This truss is	322 lb uplift at joi designed in acco Residential Cod	nt 9. ordance w	ith the 2018						
/EBS	3-14=-345/190, 3-13 4-11=-184/192, 5-11 6-10=-349/192, 2-14 7-10=-466/1829	=0/272, 6-11=-164/1	,	R802.10.2 a Graphical pu	nd referenced sta Irlin representation ation of the purlin	andard AN on does no	ISI/TPI 1. ot depict the s				Å	STATE OF M	AISSOLUS
OTES			LC	DAD CASE(S)	Standard						A	S/ SCOT	
) Unbalance this design	d roof live loads have	been considered for		. ,							6.	SEVI	

this design.



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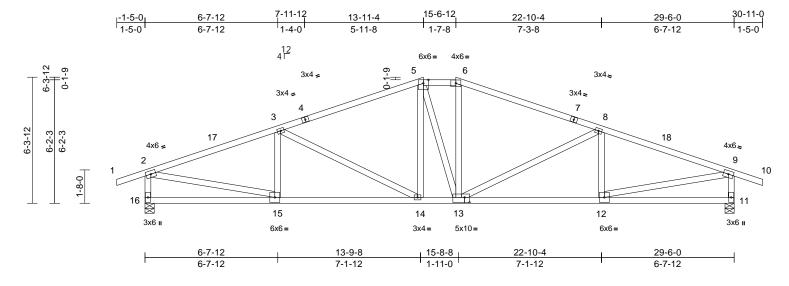
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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B06	Нір	1	1	Job Reference (optional)	166262052

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:33 ID:i3pSAVvquOafT2dwL75yK?zeC2x-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:57.7

Plate Offsets (X, Y): [13:0-3-0,0-3-0]

		-											
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.99	Vert(LL)	-0.12	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.79	Vert(CT)	-0.28	12-13	>999	180		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.82	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 157 lb	FT = 20%
LUMBER			2)	Wind: ASCE	7-16; Vult=115m	ph (3-seo	cond aust)						
TOP CHORD	2x4 SP No.2 *Excep	ot* 4-5,6-7:2x4 SP 16	50F		h; TCDL=6.0psf; E								
	1.5E			Ke=1.00; Ca	at. II; Exp C; Enclo	sed; MW	FRS (envelop	e)					
BOT CHORD	2x4 SP No.2				e and C-C Exterio	· · ·							
WEBS	2x4 SPF No.3 *Exce	ept* 16-2,11-9:2x4 SF	0		-7-0 to 13-11-4, E								
	No.2				erior(2R) 15-6-12								
BRACING					0-11-0 zone; cant								
TOP CHORD	Structural wood she	athing directly applie	d,		nd vertical left and								
		, and 2-0-0 oc purling	6		d forces & MWFR			,					
	(4-2-5 max.): 5-6.		2)	Lumber DOL=1.60 plate grip DOL=1.60									
BOT CHORD	Rigid ceiling directly	applied or 8-5-6 oc	3)										
	bracing.		 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 										
REACTIONS	(size) 11=0-5-8,	16=0-5-8	5)										
	Max Horiz 16=-44 (L	,	- /	on the bottom chord in all areas where a rectangle									
	Max Uplift 11=-308 (, ,, ,, , , , , , , , , , , , , , , ,	,		by 2-00-00 wide w			m					
	Max Grav 11=1424	(LC 1), 16=1424 (LC	1)		ny other members								
FORCES	(lb) - Maximum Corr	pression/Maximum	6)		are assumed to b		2 crushina						
	Tension		,	capacity of 5			0						
TOP CHORD	1-2=0/35, 2-3=-2104	4/554, 3-5=-1805/525	i, 7)	Provide med	hanical connectio	n (by oth	ers) of truss to	С					
	5-6=-1616/552, 6-8=			bearing plate	e capable of withs	tanding 3	08 Ib uplift at						
	8-9=-2109/556, 9-10)=0/35, 2-16=-1360/4	83,	joint 11 and	308 lb uplift at joir	nt 16.							
	9-11=-1364/479		8)	This truss is	designed in acco	rdance w	ith the 2018						
BOT CHORD	15-16=-86/166, 14-1	,		Internationa	Residential Code	e sections	R502.11.1 a	nd					11
	12-14=-413/1937, 1				nd referenced sta							O TE A	ALL
WEBS	3-15=-255/182, 3-14	,	9)	R802.10.2 and referenced standard ANSI/TPI 1. 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. LOAD CASE(S) Standard									
		=-267/198, 6-13=-48/	321,	or the orientation of the purlin along the top and/or									
	8-13=-443/172, 8-12	,		bottom chor							B	SCOTT	N N N
	2-15=-415/1846, 9-1	2=-414/1854	L	DAD CASE(S)	Standard						8	SEVI	FP YY
NOTES											81	_/ SEVI	
 Unbalance 	ed roof live loads have	been considered for									TA 7		

) Unbalanced roof live loads have been considered this design.



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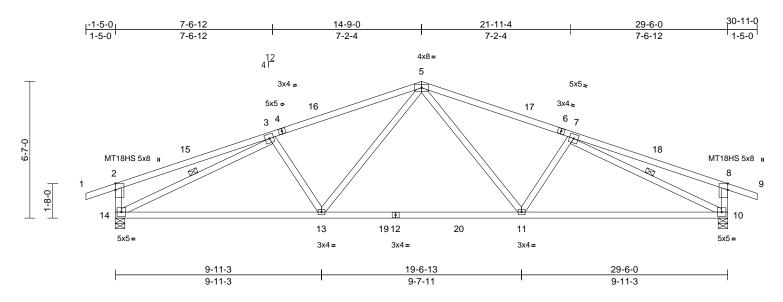
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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B07	Common	1	1	Job Reference (optional)	166262053

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Scale = 1:55.5

Plate Offsets (X, Y): [2:0-3-11,Edge], [8:0-3-11,Edge]

Loading TCLL (roof) TCDL BCLL BCDL	25.0 10.0 0.0*	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO IRC2018	3/TPI2014	CSI TC BC WB Matrix-S	0.90 0.75 0.84	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.59 -0.88 0.06	(loc) 11-13 11-13 10	l/defl >594 >400 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 144 lb	GRIP 244/190 244/190 FT = 20%
	2x4 SP 2400F 2.0E *E No.2 2x4 SP 2400F 2.0E 2x4 SPF No.3 *Excep No.2 Structural wood sheat 4-0-8 oc purlins, exce Rigid ceiling directly a bracing. 1 Row at midpt 3 (size) 10=0-5-8, 1 Max Horiz 14=-50 (LC Max Uplift 10=-302 (L/ Max Grav 10=1468 (L	ot* 14-2,10-8:2x4 SP thing directly applied ept end verticals. applied or 10-0-0 oc 3-14, 7-10 14=0-5-8 5 17) C 9), 14=-302 (LC 8)	or 3) 4) 5)	Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 3 19-9-0, Inter and right exp exposed;C-C reactions sh DOL=1.60 All plates are This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b	7-16; Vult=115mpl n; TCDL=6.0psf; BC t. II; Exp C; Enclose and C-C Exterior(; -7-0 to 14-9-0, Exterior() ossed; end vertical c for members and own; Lumber DOL= MT20 plates unles as been designed for ad nonconcurrent w has been designed m chord in all areas by 2-00-00 wide will by other members.	CDL=6.0 ed; MW 2E) -1-5 erior(2R 11-0 zc left and forces 8 e1.60 pl ss other or a 10.0 vith any for a liv where l fit betv	Dipsf; h=35ft; FRS (envelop i-0 to 3-7-0,) 14-9-0 to one; cantilevei I right & MWFRS for ate grip wise indicater 0 psf bottom other live loar e load of 20.0 a rectangle veen the botto	r left d. ds.)psf					
FORCES	(lb) - Maximum Comp Tension	pression/Maximum	6)		are assumed to be								
TOP CHORD	1-2=0/35, 2-3=-363/19 5-7=-2129/502, 7-8=-3 2-14=-485/327, 8-10=	371/190, 8-9=0/35,	7)	Provide mec	hanical connection capable of withsta 302 lb uplift at joint	inding 3							
BOT CHORD WEBS	13-14=-404/2007, 11- 10-11=-383/1986 5-11=-73/592, 7-11=-2	-13=-280/1637, 228/216, 5-13=-67/63	8) 33,	This truss is International	designed in accord Residential Code s nd referenced stand	ance w sections	R502.11.1 a	nd				2000	ADD.
NOTES	3-13=-225/217, 3-14= 7-10=-1949/343	1995/336,	LC	OAD CASE(S)	Standard						Å	STATE OF M	MISSOUR

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



June 14,2024

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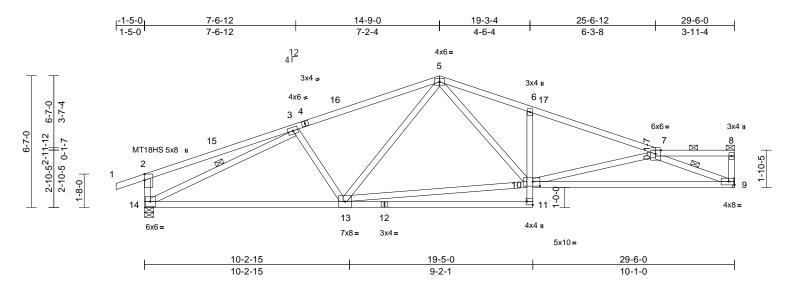
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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B08	Roof Special	1	1	Job Reference (optional)	166262054

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:33 ID:0mMEUz1XEfAcWAfckRIX3PzeC1V-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:57.6

Plate Offsets (X, Y): [2:0-3-11,Edge], [10:0-4-4,0-2-12], [11:Edge,0-3-8]

	7, 1). [2.0-5-11,Euge], [10.0-4-4,0-2-12],	[TILLuge,	-5-0]						-		1	
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.99	Vert(LL)	-0.34	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.88	Vert(CT)	-0.72	9-10	>489	180	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	NO		WB	0.76	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 153 lb	FT = 20%
LUMBER			2)	Wind: ASCE	E 7-16; Vult=115m	nph (3-sec	ond gust)						
TOP CHORD	2x4 SP No.2 *Excep 2.0E	t* 4-5:2x4 SP 2400F			h; TCDL=6.0psf; at. II; Exp C; Enclo		1 / /	ne)					
BOT CHORD	2x4 SP 1650F 1.5E		SP	exterior zon	e and C-C Exterio 3-7-0 to 14-9-0, Ex	or(2E) -1-5	5-0 to 3-7-0,	P 0)					
WEBS	No.2, 11-6:2x4 SPF 2x4 SPF No.3 *Exce		2		rior (1) 19-9-0 to 2			left					
BRACING		pt 112.2x101 1to.			posed ; end vertic								
TOP CHORD	Structural wood she	athing directly applie	ed.		C for members ar			r					
	except end verticals			reactions sh DOL=1.60	iown; Lumber DO	L=1.60 pla	ate grip						
	(6-0-0 max.): 7-8.		3)		quate drainage to	o prevent v	vater ponding	a					
BOT CHORD	Rigid ceiling directly bracing.	applied or 8-0-6 oc	4)		e MT20 plates un								
WEBS	0	7-9, 3-14	5)		as been designed								
		nical, 14=0-5-8			ad nonconcurrent								
	Max Horiz 14=85 (LC	,	6)		has been designe			0psf					
	Max Uplift 9=-233 (L	,	6		m chord in all are								
	Max Grav 9=1311 (L				by 2-00-00 wide wide wide wide wide wide wide wide		een the bott	om					
FORCES	(lb) - Maximum Com	<i>,,</i>	, 7)		e assumed to be:		P 1650F 1 5	F					
	Tension		')		pacity of 565 psi.	JOINT 14 C	10501 1.5	· L					
TOP CHORD	1-2=0/35, 2-3=-374/	181, 3-5=-1959/500,	. 8)		der(s) for truss to	truss conr	ections.						
	5-6=-2488/685, 6-7=	-2571/604, 7-8=-15	0/9, 9)		chanical connection			to					
	8-9=-132/74, 2-14=-				e capable of with		33 Ib uplift at	t					
BOT CHORD	13-14=-515/1874, 1			joint 9 and 2	299 lb uplift at join	t 14.							Th
	10-11=0/163, 6-10=	-401/228,	10		designed in acco							OF M	ALCON D
WEBS	9-10=-740/2615	40/250			Residential Cod			and				TATE OF M	IIS'S
WEBS	3-13=-233/217, 5-13 10-13=-353/1505, 5-	,			and referenced sta						4		1.5
	7-10=-310/197, 7-9=		11		urlin representatio			size			A	SCOT	M. P.V.
	3-14=-1815/359	- 21 00/000,		bottom chor	ation of the purlin	along the	top and/or				4	SEVI	ER \V
NOTES											14	1	1+8
	ed roof live loads have	been considered for		DAD CASE(S)	Stanuaru						8 1	ι.	
this design											8-	VI HS	has the stor B
and acolgi											50	K OPPUN	STREET VIEW



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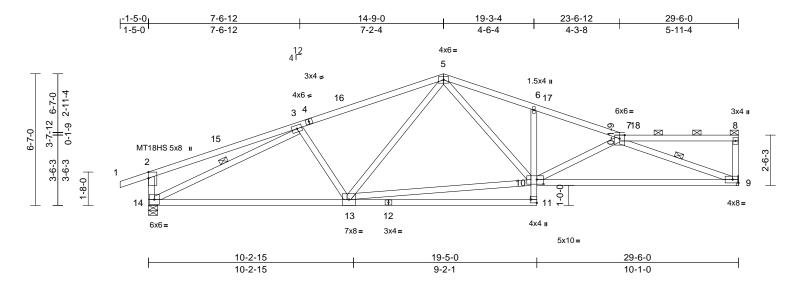
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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B09	Roof Special	1	1	Job Reference (optional)	166262055

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:33 ID:zEbiAutSIA?gvx?3q8?yu9zeC0P-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:57.6

Plate Offsets (X, Y): [2:0-3-11,Edge], [10:0-4-0,0-2-12], [11:Edge,0-3-8]

	···, ·)· [=·· · · ·,= ··g·], []									
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.90	Vert(LL)	-0.34	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.90	Vert(CT)	-0.73	9-10	>481	180	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	NO		WB	0.81	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code	IRC20	8/TPI2014	Matrix-S							Weight: 154 lb	FT = 20%
LUMBER			2) Wind: ASCE	E 7-16; Vult=115m	nph (3-sec	cond gust)						
TOP CHORD	2x4 SP No.2 *Excep 2.0E	ot* 4-5:2x4 SP 2400F			h; TCDL=6.0psf; at. II; Exp C; Enclo								
BOT CHORD	2x4 SP 1650F 1.5E		SP	exterior zon	e and C-C Exterio	or(2E) -1-8	5-0 to 3-7-0,	pe)					
	No.2, 11-6:2x4 SPF		_		3-7-0 to 14-9-0, Ex			1.4					
WEBS	2x4 SPF No.3 *Exce	ept* 14-2:2x4 SP No.	2		rior (1) 19-9-0 to 2			left					
BRACING					posed ; end vertic C for members ar			r					
TOP CHORD	Structural wood she				own; Lumber DO								
	3-6-0 oc purlins, ex		nd	DOL=1.60	iown, Edinber Do	L=1.00 pi	ate grip						
	2-0-0 oc purlins (6-0		. 3		quate drainage to	o prevent	water ponding	n					
BOT CHORD	Rigid ceiling directly bracing.	applied or 7-11-0 oc	; 4										
WEBS	0	7-9, 3-14		 All plates are MT20 plates unless otherwise indicated. This truss has been designed for a 10.0 psf bottom 									
REACTIONS		,			ad nonconcurrent			ids.					
	Max Horiz 14=96 (LC	anical, 14=0-5-8	6) * This truss	has been designe	ed for a liv	e load of 20.0	Opsf					
		,	`	on the botto	m chord in all are	as where	a rectangle						
	Max Uplift 9=-237 (L	,, , , , , , , , , , , , , , , , , , , ,	·	3-06-00 tall	by 2-00-00 wide v	will fit betv	veen the botte	om					
	Max Grav 9=1311 (L		1)		ny other members								
FORCES	(lb) - Maximum Com	pression/Maximum	7	, 0	e assumed to be:	Joint 14 S	SP 1650F 1.5	E					
TOP CHORD	Tension 1-2=0/35, 2-3=-375/	404 0 5 4050/504			pacity of 565 psi.								
TOP CHORD	5-6=-2464/675, 6-7=		1/49 o		der(s) for truss to								
	8-9=-212/124, 2-14=		1/48, 9	·	chanical connection		,						
BOT CHORD	13-14=-557/1874, 1				e capable of with		37 ID UPIIIT at	[
BOT ONORD	10-11=0/163, 6-10=		4		297 lb uplift at join designed in acco		the the 2010					2000	TO
	9-10=-758/2626	200/111,	1		Residential Code			nd				6 OF I	de sin
WEBS	3-13=-233/217, 5-13	3=-45/349.			and referenced sta			inu			-	STATE OF M	-0.0
	10-13=-403/1525, 5-		1		urlin representatio			size			6	N	Nor
	7-10=-350/191, 7-9=				tation of the purlin			5120			B	SCOT	TM. YEY
	3-14=-1814/359			bottom chor		r along the					18	/ SEVI	ER \ Y
NOTES			1	OAD CASE(S)							1 *		\★X
	ed roof live loads have	been considered for		CAD CACE(0)							KO	1	0 -0
this design											YK.		Andreak

this design.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 **ANSITPTI Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)



June 14,2024

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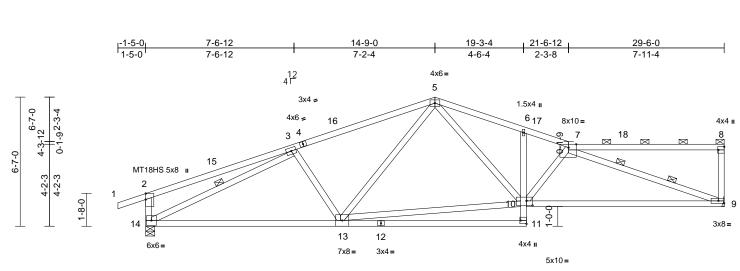
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Page: 1

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B10	Roof Special	1	1	Job Reference (optional)	166262056

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:34 ID:OQRODo8J0QDn?4XEUhOZflzeC_m-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



		5x10=
10-2-15	19-5-0	29-6-0
10-2-15	9-2-1	10-1-0

Scale = 1:58.7

oading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.90	Vert(LL)	-0.35	9-10	>999	240	MT20	244/190
CDL	10.0	Lumber DOL	1.15		BC	0.90	Vert(CT)	-0.74	9-10	>474	180	MT18HS	244/190
CLL	0.0*	Rep Stress Incr	NO		WB	0.91	Horz(CT)	0.10	9	n/a	n/a		
CDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 156 lb	FT = 20%
UMBER			2)	Wind: ASCE	7-16; Vult=115r	nph (3-sec	ond gust)						
OP CHORD	2x4 SP No.2 *Excep	ot* 4-5:2x4 SP 2400F		Vasd=91mpl	; TCDL=6.0psf;	BCDL=6.0)psf; h=35ft;						
	2.0E, 7-8:2x4 SP 16	50F 1.5E			t. II; Exp C; Encl			pe)					
OT CHORD	2x4 SP 1650F 1.5E	*Except* 12-11:2x4 S	SP		and C-C Exteri								
	No.2, 11-6:2x4 SPF	No.3			7-0 to 14-9-0, E								
/EBS	2x4 SPF No.3 *Exce	ept* 14-2:2x4 SP No.2	2		or (1) 19-9-0 to			left					
RACING					osed ; end verti								
OP CHORD	Structural wood she	athing directly applie	d or		for members a			r					
	3-3-14 oc purlins, et	xcept end verticals, a	Ind		own; Lumber DC	DL=1.60 pla	ate grip						
	2-0-0 oc purlins (6-0	-0 max.): 7-8.	0)	DOL=1.60									
OT CHORD	Rigid ceiling directly	applied or 8-0-8 oc	3)		uate drainage to								
	bracing.		4)		MT20 plates ur			ed.					
/EBS		3-14	5)		s been designed			de					
EBS	2 Rows at 1/3 pts	7-9	0		d nonconcurren								
EACTIONS ((size) 9= Mecha	anical, 14=0-5-8	6)		as been design n chord in all are			opsi					
Γ	Max Horiz 14=137 (L	_C 9)			y 2-00-00 wide			om					
r	Max Uplift 9=-242 (L	C 9), 14=-294 (LC 8)			ly other member			UIII					
ſ	Max Grav 9=1311 (L	_C 1), 14=1427 (LC 1) 7)		assumed to be:		D 1650E 1 5	F					
ORCES	(lb) - Maximum Com	<i>.</i>	. ()		acity of 565 psi.		1000110	· -					
	Tension		8)		er(s) for truss to		ections						
OP CHORD	1-2=0/35, 2-3=-375/	181, 3-5=-1959/502,	9)		hanical connecti			to					
	5-6=-2451/670, 6-7=	-2509/611, 7-8=-133			capable of with								
	8-9=-277/160, 2-14=	-488/322			94 lb uplift at joir		12 ib upint u	•					-
OT CHORD	13-14=-593/1874, 1	1-13=-57/128,	10		designed in acco		th the 2018					Con	alle
	10-11=0/163, 6-10=-	-131/108,	i c		Residential Cod			and				A OF M	Also
	9-10=-730/2558				nd referenced st			-				THE OF M	N.OS
'EBS	3-13=-232/217, 5-13	3=-44/348,	11		rlin representation			size			A	NY accom	Ner
	10-13=-441/1535, 5-	-10=-225/977,			tion of the purlir			-			d	SCOT	
	7-10=-395/197, 7-9=	-2622/714,		bottom chord		0					B	/ SEVI	er \Y
	3-14=-1814/360			DAD CASE(S)							20		

this design.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 touls be personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)



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3-2-3

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B11	Roof Special	1	1	Job Reference (optional)	166262057

14-9-0

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

7-6-12

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:34 ID:iOXb54ShLwyJaqMBN4r7alzeBz3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

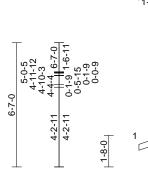
19-5-0

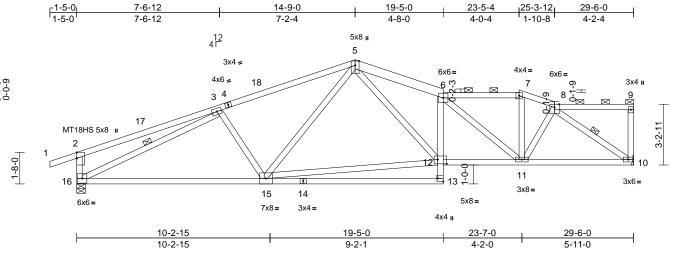
23-5-4

25-3-12

Page: 1

29-6-0





Scale = 1:61

Plate Offsets (X, Y): [2:0-3-11,Edge], [12:0-5-12,0-2-12], [13:Edge,0-3-8]

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.91	Vert(LL)		15-16	>999	240		244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.74	Vert(CT)	-0.49		>715	180	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	NO		WB	0.90	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 163 lb	FT = 20%
LUMBER			2)	Wind: ASCE	7-16; Vult=115m	ph (3-se	cond gust)						
TOP CHORD					h; TCDL=6.0psf; I it. II; Exp C; Enclo			20)					
	2.0E, 5-6:2x6 SPF N		`		and C-C Exterio			pe)					
BOT CHORD	2x4 SP No.2 *Excep 14-16:2x4 SP 1650F		3,		-7-0 to 14-9-0, Ex								
WEBS	2x4 SPF No.3 *Exce		2		ior (1) 19-5-0 to 2			-5-4					
BRACING				to 25-3-12, I	nterior (1) 25-3-12	2 to 29-4	4 zone; canti	ilever					
TOP CHORD	Structural wood she	athing directly applie	d or		exposed ; end ve								
	4-2-14 oc purlins, e				C for members an			r					
	2-0-0 oc purlins (4-1				own; Lumber DOI	_=1.60 pl	ate grip						
BOT CHORD	Rigid ceiling directly	applied or 6-11-14 o	с	DOL=1.60									
	bracing.		3)		quate drainage to								
WEBS	1 Row at midpt	8-10, 3-16	4)		e MT20 plates unl			ed.					
REACTIONS	(size) 10= Mech	anical, 16=0-5-8	5)		as been designed								
	Max Horiz 16=140 (L	_C 9)	0)		ad nonconcurrent								
	Max Uplift 10=-243 (LC 9), 16=-293 (LC 8	3) 6)		has been designe			upst					
	Max Grav 10=1311	(LC 1), 16=1427 (LC	, 1)		m chord in all area								
FORCES	(lb) - Maximum Com	(),	,		by 2-00-00 wide w by other members		veen the bott	om					
	Tension		7)		assumed to be:		SP 1650F 1 5	F					
TOP CHORD		183. 3-5=-1962/529.	()		acity of 565 psi.		51 10501 1.5						
	5-6=-2510/740, 6-7=		8)	0 1	er(s) for truss to t	russ con	nections						
	7-8=-1837/500, 8-9=	-81/71, 9-10=-147/8	4, <u>9</u>)		hanical connectio			to					
	2-16=-490/324		• • • • •		e capable of withs								-
BOT CHORD	15-16=-612/1872, 13	3-15=-20/215,			293 lb uplift at joir							CON	ADA
	12-13=0/163, 6-12=	-546/240,	10		designed in acco		ith the 2018					F OF I	Also
	11-12=-710/2394, 10	0-11=-480/1528			Residential Code			and				STATE OF M	1,00
WEBS	3-15=-215/211, 5-15	i=-31/339,			nd referenced sta						A	NY accor	Nel
	12-15=-516/1460, 5-	-12=-272/1028,	11		Irlin representatio			size			H	S/ SCOT	IM. YAY
	6-11=-901/265, 7-11				ation of the purlin						B	SEVI	ER \ X
	8-10=-1867/539, 3-1	6=-1808/384		bottom chore		0				<u>ا</u>	20		. 8 1
NOTES			L	DAD CASE(S)	Standard						Y/	tott.	Xenti
1) Unbalance	ed roof live loads have	been considered for		(-)							4-		

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

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)



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June 14,2024

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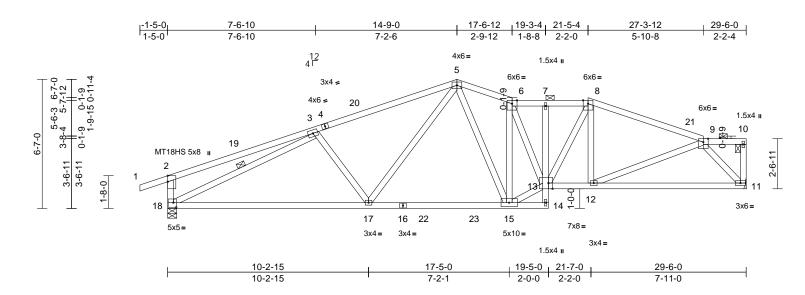
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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B12	Roof Special	1	1	Job Reference (optional)	166262058

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Page: 1



Scale = 1:58.7

Plate Offsets (X, Y): [2:0-3-11,Edge], [13:0-2-8,Edge], [18:0-1-12,0-2-12]

	(A, T). [2.0-3-11,Euge], [13.0-2-0,Euge], [1	0.0-1-12,0	5-2-12]									
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.89	Vert(LL)		17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.93	Vert(CT)	-0.63	17-18	>560	180	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	NO		WB	0.87	Horz(CT)	0.08	11	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 166 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD	2.0E 2x4 SP No.2 *Excep 1.5E	t* 16-18:2x4 SP 165	0F	Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 3	7-16; Vult=115mp h; TCDL=6.0psf; E t. II; Exp C; Enclos e and C-C Exterior -7-0 to 14-9-0, Ext	BCDL=6. sed; MW r(2E) -1-5 terior(2E	0psf; h=35ft; FRS (envelop 5-0 to 3-7-0,) 14-9-0 to	be)					
WEBS													
BRACING TOP CHORD	Structural wood she 2-7-9 oc purlins, ex 2-0-0 oc purlins (3-1	cept end verticals, ar	nd	cantilever lef right expose for reactions	t and right expose d;C-C for member shown; Lumber D	ed ; end v s and fo	vertical left an rces & MWFR						
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc	3)										
	1 Row at midpt (size) 11= Mech Max Horiz 18=98 (LC Max Uplift 11=-238 (Max Grav 11=1367		This truss ha chord live loa * This truss h on the bottor	MT20 plates unle as been designed ad nonconcurrent nas been designed n chord in all area	for a 10. with any d for a liv is where	0 psf bottom other live load re load of 20.0 a rectangle	ds.)psf						
FORCES	(lb) - Maximum Com		,	chord and ar	by 2-00-00 wide w ny other members	, with BC	DL = 10.0psf						
TOP CHORD	Tension 1-2=0/35, 2-3=-387/ 5-6=-1957/577, 6-7= 7-8=-2125/587, 8-9= 10-11=-29/14, 2-18=	2116/584, 2063/507, 9-10=-73	7) 8) 8/39, 9)	crushing cap Refer to gird Provide mec	assumed to be: J pacity of 565 psi. er(s) for truss to tr hanical connection capable of withst	uss coni n (by oth	nections. ers) of truss to	0					
BOT CHORD	17-18=-584/1937, 15 14-15=-31/149, 13-1 12-13=-488/1907, 1	4=-18/13, 7-13=-189)/86, 10	joint 11 and :) This truss is	293 lb uplift at join designed in accor Residential Code	it 18. dance w	ith the 2018					TATE OF M	MISSO
WEBS	3-17=-237/216, 5-17 5-15=-150/652, 6-15 13-15=-524/1959, 6- 8-13=-180/481, 8-12 9-12=-150/861, 9-11 3-18=-1855/395	5=-1270/391, -13=-199/652, 2=-108/147,		R802.10.2 a) Graphical pu	nd referenced star Irlin representatior ation of the purlin a d.	ndard Al	ISI/TPI 1. ot depict the s				R	ST SCOT SEVI	гм.
NOTES										_	817	THUM	DIROOT AND
,	ed roof live loads have	been considered for									N.	PE-2001	10880/ 108810
this desigr	n.										V V	101	154

this design.



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June 14,2024

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	B13	Roof Special	1	1	Job Reference (optional)	166262059

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:34 ID:X0i77eWRoxR_4uVcjGjixKzeBjV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

15-6-12 19-10-0 |<u>-1-5-0</u> 1-5-0 19-5-0 7-6-10 14-9-0 24-8-11 29-6-0 0-5-0 7-6-10 7-2-6 3-10-4 4-10-11 4-9-5 0-9-12 7x8= 12 4 Г 6x6= MT18HS 5x8 II 5 ß 6 7 3x4 = \bowtie 3x4 👟 4x6 ≠ 19 208 4 3 TE 4x6≈ 6-7-0 6-2-3 6-2-3 9 18 MT18HS 5x8 # 1-11-8 2 1-8-0 10 -0-0 11 13 17 1.5x4 II 6 3x8= 15 21 16 14 3x4 II 5x5= 3x4= 3x4= 3x10= 5x8 = 10-2-13 15-5-0 19-5-0 24-8-11 29-6-0 10-2-13 5-2-3 4-0-0 5-3-11 4-9-5

Scale = 1:58.7

bading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.97	Vert(LL)	-0.31	16-17	>999	240	MT20	244/190
DL	10.0	Lumber DOL	1.15		BC	0.86	Vert(CT)	-0.63	16-17	>558	180	MT18HS	197/144
LL	0.0*	Rep Stress Incr	NO		WB	0.78	Horz(CT)	0.06	10	n/a	n/a		
DL	10.0	Code	IRC2018	3/TPI2014	Matrix-S							Weight: 159 lb	FT = 20%
IBER			2)	Wind: ASCE	7-16; Vult=115	nph (3-sec	ond aust)						
	2x4 SP 1650F 1.5E	*Except* 5-6:2x6 SP	F	Vasd=91mp	h; TCDL=6.0psf;	BCDL=6.0)psf; h=35ft;						
	No.2, 7-9,4-1:2x4 SF				t. II; Exp C; Enc			ce)					
T CHORD	2x4 SP No.2 *Except		3,		e and C-C Exteri								
	15-17:2x4 SP 1650F		- -		-7-0 to 14-9-0, E erior (1) 15-6-12								
BS	2x4 SPF No.3 *Exce No.2	pt 17-2,10-9.2X4 St	-		-5-0, Interior (1)								
ACING					ft and right expo			d					
P CHORD	Structural wood shea	athing directly applie	d,		d;C-C for memb			s					
	except end verticals,	, and 2-0-0 oc purlins	S		shown; Lumber	DOL=1.60	plate grip						
	(4-5-2 max.): 6-7.		2)	DOL=1.60	austa drainaga t	o provent v	votor popding						
r CHORD	Rigid ceiling directly	; 3) 4)		quate drainage t e MT20 plates u									
BS	bracing. 1 Row at midpt	3-17	5)		as been designe			u.					
ACTIONS (-,		ad nonconcurrer			ds.					
,	Max Horiz 17=85 (LC	anical, 17=0-5-8	6)		nas been design			Opsf					
	Max Uplift 10=-234 (I	,	B)		m chord in all are		0						
	Max Grav 10=1366 (by 2-00-00 wide								
RCES	(lb) - Maximum Com		, 7)		ny other membe assumed to be								
	Tension		')		acity of 565 psi.		10501 1.5	L					
CHORD	1-2=0/35, 2-3=-397/2		8)		er(s) for truss to		ections.						
	5-6=-1533/512, 6-7=		9)	Provide med	hanical connect	ion (by othe	ers) of truss t	0					
	7-8=-1981/567, 8-9=				e capable of with		34 lb uplift at						Th
r chord	2-17=-494/319, 9-10 16-17=-550/1927, 14				293 lb uplift at jo							OFA	ALC D
ICHORD	13-14=-17/80, 12-13	,	10 7		designed in acc Residential Coo			ام ما				Fredrik	ISS W
	11-12=-457/1703, 10		. ,		nd referenced st			na			6	TATE OF M	NSY
BS	6-12=-93/424, 8-12=		11		Irlin representati			size			B		
	3-17=-1835/402, 9-1	1=-437/1758,			ation of the purli						ß	/ SEVI	ER
	3-16=-216/212, 5-16			bottom chore		Ū	•				n t		\★
	6-14=-361/142, 12-1	4=-427/1628,	LC	AD CASE(S)	Standard						NI		. 9
	8-11=-474/224										I A		SO A VAI

this design.



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June 14,2024

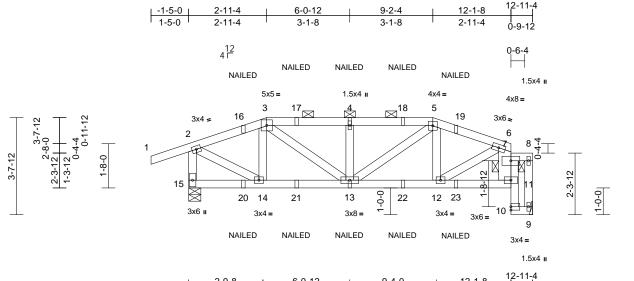
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Page: 1

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ſ	Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
	P240765-01	C01	Roof Special Girder	1	1	Job Reference (optional)	166262060

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:34 ID:AeRCOyHWm1HSkpGoOHj2Loz7HuD-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:43.3												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.64	Vert(LL)	0.03	12-13	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.05	12-13	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 70 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS		nt* 7-10:2x4 SPF No.3	Vasd=91mp Ke=1.00; Ca	7-16; Vult=115 h; TCDL=6.0psi at. II; Exp C; End e and C-C Exter	f; BCDL=6.0 closed; MW)psf; h=35ft; FRS (envelo	pe)			(),	13=-3 (F), 17=-1 =-3 (F), 22=-3 (F	

TOP CHORD	2X4 SP No.2		Vasu=9111pH, TODE=0.0pSI, BODE=0.0pSI, H=3511, Ko=1.00: Cot. II: Exp. C: Epologod: MW/EPS (opvolopo)	20=
	2x4 SP No.2 *Except* 7-10:2x4 SPF No.3		Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-5-0 to 2-11-4,	
WEBS	2x4 SPF No.3 *Except* 15-2:2x4 SP No.2,		Exterior(2R) 2-11-4 to 7-11-4, Interior (1) 7-11-4 to 9-2-4,	
	6-11:2x6 SPF No.2		Exterior(2E) 9-2-4 to 11-10-12, Interior (1) 11-10-12 to	
BRACING			12-9-8 zone; cantilever left and right exposed ; end	
TOP CHORD	······································		vertical left and right exposed;C-C for members and	
	6-0-0 oc purlins, except end verticals, and		forces & MWFRS for reactions shown; Lumber	
DOTOLODD	2-0-0 oc purlins (6-0-0 max.): 3-5, 7-8.		DOL=1.60 plate grip DOL=1.60	
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc	3)	Provide adequate drainage to prevent water ponding.	
	bracing. Except:	4)	This truss has been designed for a 10.0 psf bottom	
	6-0-0 oc bracing: 6-7	.,	chord live load nonconcurrent with any other live loads.	
REACTIONS		5)	* This truss has been designed for a live load of 20.0psf	
	Max Horiz 15=33 (LC 9)	- /	on the bottom chord in all areas where a rectangle	
	Max Uplift 9=-197 (LC 9), 15=-277 (LC 8)		3-06-00 tall by 2-00-00 wide will fit between the bottom	
	Max Grav 9=601 (LC 1), 15=729 (LC 1)		chord and any other members.	
FORCES	(lb) - Maximum Compression/Maximum	6)	Bearings are assumed to be: Joint 15 SP No.2 crushing	
	Tension		capacity of 565 psi.	
TOP CHORD	1-2=0/35, 2-3=-608/375, 3-4=-818/541,	7)	Refer to girder(s) for truss to truss connections.	
	4-5=-818/541, 5-6=-741/436, 7-8=0/0,	8)	Provide mechanical connection (by others) of truss to	
	2-15=-696/508		bearing plate capable of withstanding 277 lb uplift at	
BOT CHORD	14-15=-86/40, 13-14=-341/553,		joint 15 and 197 lb uplift at joint 9.	
	12-13=-380/679, 11-12=-219/369,	9)	This truss is designed in accordance with the 2018	
	10-11=-264/154, 7-11=-342/227,		International Residential Code sections R502.11.1 and	
	6-7=-493/309, 9-10=0/0		R802.10.2 and referenced standard ANSI/TPI 1.	
WEBS	8-9=-327/183, 3-14=-194/156,	10)	Graphical purlin representation does not depict the size	
	4-13=-245/217, 3-13=-196/346, 5-12=-73/97,		or the orientation of the purlin along the top and/or	
	5-13=-135/215, 2-14=-334/609,		bottom chord.	
	6-12=-198/350	11)	"NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails	
NOTES		4.01	per NDS guidelines.	
,	ed roof live loads have been considered for	12)	In the LOAD CASE(S) section, loads applied to the face	
this desig	٦.		of the truss are noted as front (F) or back (B).	

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Page: 1

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LOAD CASE(S) Standard

Plate Increase=1.15

Uniform Loads (lb/ft)

11-15=-20, 9-10=-20 Concentrated Loads (lb)

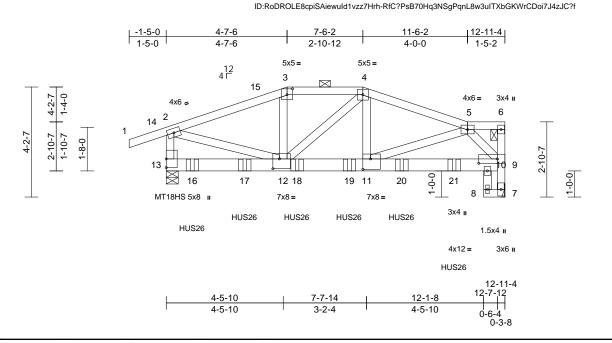
Dead + Roof Live (balanced): Lumber Increase=1.15,

Vert: 1-2=-70, 2-3=-70, 3-5=-70, 5-6=-70, 7-8=-70,

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	C02	Roof Special Girder	1	2	Job Reference (optional)	166262061

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:35





Scale = 1:44

Plate Offsets (X, Y): [3:0-2-8.0-2-11], [9:0-8-8.0-2-0], [11:0-3-8.0-4-12], [12:0-3-0.0-4-8]

	(0	4 40 0		0.01		DEEL		(1)	1/-141	1.74			
Loading	(psf)	Spacing	1-10-0 1.15		TC	1 00	DEFL	in	· · ·	l/defl	L/d	PLATES MT20	GRIP 197/144	
TCLL (roof) TCDL	25.0	Plate Grip DOL	1.15		BC	1.00	Vert(LL)	-0.07		>999 >999	240	MT18HS		
BCLL	10.0 0.0*	Lumber DOL	NO		WB	1.00	Vert(CT)	-0.13 0.08	10-11	>999 n/a	180 n/a	WIT 18H5	197/144	
BCDL	10.0	Rep Stress Incr Code		3/TPI2014	Matrix-S	0.58	Horz(CT)	0.00	'	n/a	n/a	Weight: 149 lb	FT = 20%	
	1010	0000										Ŭ		
UMBER			2)		considered equal			245					4-10d Girder, 4-10d	
OP CHORD	2x4 SP No.2				ed as front (F) or I								0 oc max. starting at	
OT CHORD	2x6 SPF No.2 *Exce	ept* 10-8:2x4 SPF No	5.3,	CASE(S) section. Ply to ply connections have been 1-0-0 from the left end to 11-0-0 to provided to distribute only loads noted as (F) or (B), back face of bottom chord.								connect truss(es) to		
	8-7:2x4 SP No.2		4.00		wise indicated.	is noted	as (F) 01 (B),							
VEBS	2x4 SPF No.3 *Exce No.2	ept o-7,13-2,12-2:2X	4 SP 3)		roof live loads hav	/e been	considered fo	or		CASE(S			ber Increase=1.15,	
	110.2		0)	this design.		0 00011				ate Incre			iber increase=1.15,	
OP CHORD		othing directly opplie	d a	 4) Wind: ASCE 7-16; Vult=115mph (3-second gust) 										
OP CHORD	Structural wood she				n; TCDL=6.0psf; E				Uniform Loads (lb/ft) Vert: 1-2=-64, 2-3=-64, 3-4=-64, 4-5=-64, 5-6=-64,					
4-11-13 oc purlins, except end verticals, and			, anu		t. II; Exp C; Enclo			pe)		10-13=-	,	,	, + 0= 0+, 0 0= 0+,	
2-0-0 oc purlins (5-7-11 max.): 3-4, 5-6. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc				exterior zone	and C-C Exterior	(2E) -1-	5-0 to 3-7-0,	• /		oncentra				
	bracing.	applied of 0-0-0 oc		Interior (1) 3-7-0 to 4-7-6, Exterior(2E) 4-7-6 to 11-6-2,								4 (B), 17=-1293 (I	B) 18=-1293 (B)	
EACTIONS	0	anical, 13=0-5-8		Interior (1) 1	1-6-2 to 12-9-8 zo	ne; canti	lever left and	l right				20=-1293 (B), 21		
	Max Horiz 13=82 (L0				d vertical left and						,,			
	Max Uplift 7=-795 (L	,	`		d forces & MWFR			ו;						
	Max Grav 7=4107 (L	,, , , , , , , , , , , , , , , , , , , ,	, 1)		=1.60 plate grip E									
ORCES	(lb) - Maximum Corr		, 5)		quate drainage to									
URCES	(ib) - Maximum Con Tension	ipression/iviaximum	6)		MT20 plates unle			ed.						
OP CHORD	1-2=0/32, 2-3=-5297	7/1217 3-1-1801/11	180		is been designed									
	4-5=-5747/1326, 5-6	. ,	00,		ad nonconcurrent has been designed									
	7-9=-3919/892, 6-9=		7/945		n chord in all area			opsi						
OT CHORD	12-13=-282/435, 11-	,			by 2-00-00 wide w			om						
	10-11=-756/3030, 9				y other members			0111						
	8-10=-178/52, 7-8=-		9)		assumed to be:		SPE No 2					and	JOR	
/EBS	3-12=-275/1545, 4-1	1=-345/2007,	0)		acity of 425 psi.							A OF M	Alson	
	5-11=-536/2588, 5-9	9=-3684/968,	10		er(s) for truss to tr	uss conr	nections.				1	750	1,0°	
	2-12=-1014/4742, 4	-12=-802/147			hanical connectio			to			A	STATE OF M	Ner	
OTES					capable of withs						H	SCOT	M. YAY	
	to be connected togo	thor with 10d		ioint 7 and 0	67 lb unlift at ioint	13	•				u	SEVI	ER \V	

1) 2-ply truss to be connected together with 10d

(0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc

Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-8-0 oc, 2x4 - 1 row at 0-9-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

- joint 7 and 967 lb uplift at joint 13.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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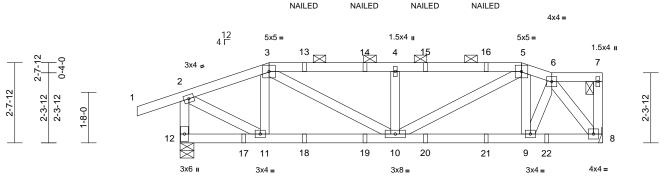
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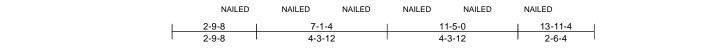
Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	C03	Roof Special Girder	1	1	Job Reference (optional)	166262062

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:35 ID:JltgWHgfhNn71UYudwH0V2z7HsQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:38												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.03	10	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.04	10-11	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 73 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.2 2x4 SPF No.3 *Exce	pt* 12-2:2x4 SP No.	chord live lo 5) * This truss	as been design ad nonconcurre has been desig m chord in all a	ent with any ned for a liv	other live load of 20.	ads.					

BRACING		
TOP CHORD	Structural wood sheathing directly applied or	
	6-0-0 oc purlins, except end verticals, and	
	2-0-0 oc purlins (5-7-0 max.): 3-5, 6-7.	
BOT CHORD	Rigid ceiling directly applied or 8-11-3 oc	
	bracing.	
REACTIONS	(size) 8= Mechanical, 12=0-5-8	

- Max Horiz 12=94 (LC 11) Max Uplift 8=-263 (LC 9), 12=-327 (LC 8) Max Grav 8=707 (LC 1), 12=825 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/35, 2-3=-719/402, 3-4=-1015/591, 4-5=-1015/591, 5-6=-653/368, 6-7=-48/52, 7-8=-63/47, 2-12=-783/525 BOT CHORD 11-12=-171/119, 10-11=-438/660, 9-10=-388/635, 8-9=-290/469 WEBS 3-11=-194/154, 3-10=-203/429, 4-10=-331/259, 5-10=-254/459, 5-9=-223/186, 6-9=-222/404, 6-8=-758/423,
- NOTES
- Unbalanced roof live loads have been considered for 1) this design.

2-11=-371/730

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-5-0 to 2-11-4, Exterior(2R) 2-11-4 to 7-11-4, Interior (1) 7-11-4 to 11-3-4, Exterior(2E) 11-3-4 to 12-3-4, Interior (1) 12-3-4 to 13-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.

- 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 12 SP No.2 crushing 6) capacity of 565 psi.
- Refer to girder(s) for truss to truss connections. 7)
- Provide mechanical connection (by others) of truss to 8) bearing plate capable of withstanding 263 lb uplift at joint 8 and 327 lb uplift at joint 12.
- This truss is designed in accordance with the 2018 9) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines
- 12) 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

- Dead + Roof Live (balanced): Lumber Increase=1.15, 1) Plate Increase=1.15
 - Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-3=-70, 3-5=-70, 5-6=-70, 6-7=-70, 8-12=-20 Concentrated Loads (lb)

Vert: 13=-1 (B), 14=-1 (B), 15=-1 (B), 16=-1 (B), 17=-89 (B), 18=-3 (B), 19=-3 (B), 20=-3 (B), 21=-3 (B), 22=-89 (B)



June 14,2024

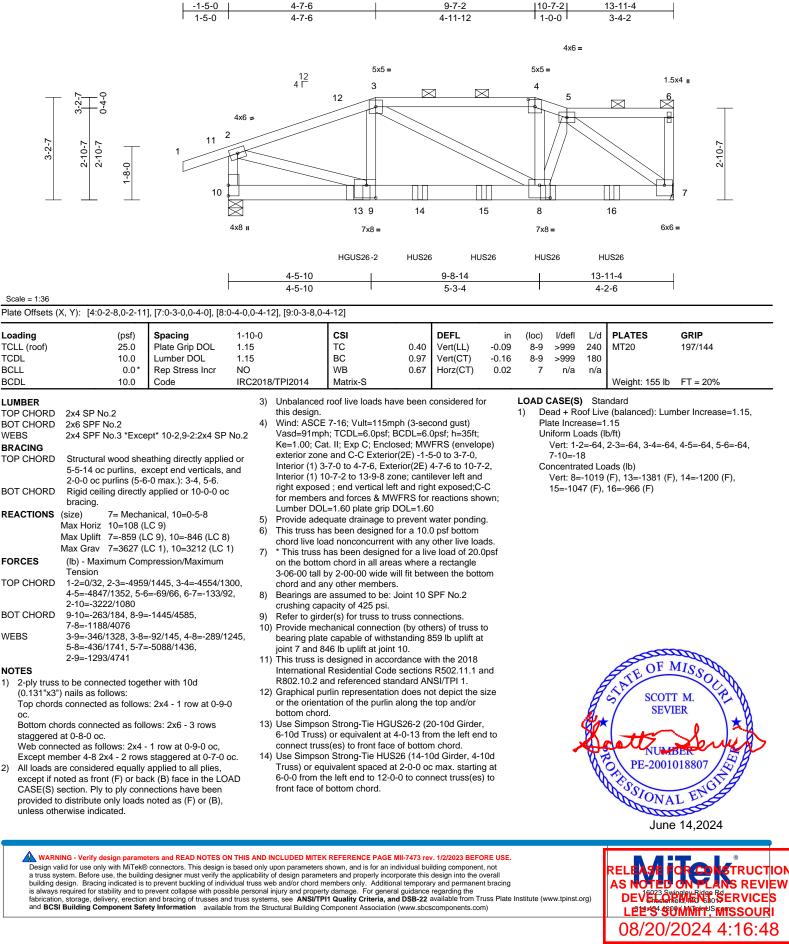




Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	C04	Roof Special Girder	1	2	Job Reference (optional)	166262063

1)

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	CJ1	Jack-Open	3	1	Job Reference (optional)	166262064

<u>-2-0-1</u> 2-0-1

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:35 ID:arBBSFclbmGJfU5Z_G5kznzeD92-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

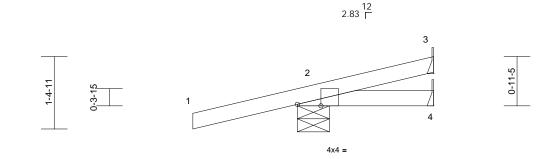
2-7-6

2-7-6

2-7-6

Page: 1

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Plate Offsets (X, Y): [2:0-5-7,Edge]

Loading (psf) TCLL (roof) 25.0 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 NO IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.62 0.06 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 2-4 2-4 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 11 lb	GRIP 244/190 FT = 20%
2-7-6 oc purlins. BOT CHORD Rigid ceiling directly bracing.	8) -C 8), 3=-8 (LC 13)	bearing plat and 182 lb u 7) This truss is 1 or Internationa R802.10.2 a LOAD CASE(S)	chanical connection (e capable of withstar plift at joint 2. designed in accorda Residential Code so nd referenced stand Standard	nding 8 ance w ections	Ib uplift at joint th the 2018 R502.11.1 a	int 3					
(LC 3) FORCES (Ib) - Maximum Com	pression/Maximum										
Tension TOP CHORD 1-2=0/30, 2-3=-44/11 BOT CHORD 2-4=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph Vasd=91mph; TCDL=6.0psf; BC Ke=1.00; Cat. II; Exp C; Enclose exterior zone and C-C Corner (3) and right exposed; end vertical I exposed; C-C for members and for reactions shown; Lumber DOL=1 DOL=1.60 2) This truss has been designed for chord live load nonconcurrent wi 3) * This truss has been designed for on the bottom chord in all areas is 3-06-00 tall by 2-00-00 wide will chord and any other members. 4) Bearings are assumed to be: , Jo capacity of 565 psi. 5) Refer to girder(s) for truss to trus	n (3-second gust) DL=6.0psf; h=35ft; ed; MWFRS (envelope 3) zone; cantilever left left and right forces & MWFRS for 1.60 plate grip rr a 10.0 psf bottom ith any other live load for a live load of 20.0p where a rectangle fit between the bottor oint 2 SP No.2 crushin	s. vsf						•	Charles and the second s	STATE OF I STATE OF I SEV SEV NUM PE-2001	T M. HER DI8807

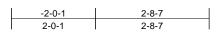
June 14,2024



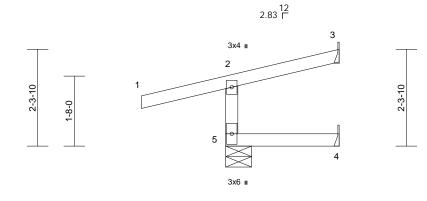
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 oulgase with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPI1 Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	CJ02	Jack-Open	2	1	Job Reference (optional)	166262065

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Scale = 1:27.4													
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.54	DEFL	in 0.00	(loc) 4-5	l/defl >999	L/d 240	PLATES MT20	GRIP 197/144
TCDL		Lumber DOL	1.15		BC		Vert(LL)		4-5 4-5		240 180	101120	197/144
BCLL	10.0		NO		WB	0.13 0.00	Vert(CT) Horz(CT)	0.00 0.01	4-5 3	>999 n/a	n/a		
BCDL	0.0* 10.0	Rep Stress Incr Code	IRC2018/	TPI2014	Matrix-R	0.00		0.01	3	n/a	n/a	Weight: 13 lb	FT = 20%
	2-8-7 oc purlins, ex Rigid ceiling directly bracing. (size) 3= Mecha 5=0-7-6 Max Horiz 5=60 (LC Max Uplift 3=-30 (LC Max Grav 3=35 (LC (LC 1)	y applied or 10-0-0 or anical, 4= Mechanica 9) 2 12), 5=-142 (LC 8) 1), 4=44 (LC 3), 5=3	7) ed or c al,	bearing plate joint 5 and 30 This truss is International	hanical connect capable of wit 0 lb uplift at join designed in ac Residential Co nd referenced : Standard	thstanding 1 nt 3. cordance woode sections	42 lb uplift at ith the 2018 R502.11.1 a	t					
FORCES	(lb) - Maximum Com	npression/Maximum											
TOP CHORD BOT CHORD	Tension 2-5=-290/415, 1-2=0 4-5=0/0	0/35, 2-3=-32/16											

2-8-7

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 5 SP No.2 crushing 4) capacity of 565 psi.

Refer to girder(s) for truss to truss connections. 5)



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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	CJ03	Jack-Open	2	1	Job Reference (optional)	166262066

2-3-13

1-8-0

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3x4 II 2

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3x6 🛛

2-9-2

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 13 lb	FT = 20%
LUMBER			6) Provide me	chanical connect	tion (by oth	ers) of truss t	0					
TOP CHORD	2x4 SP No.2			te capable of with		42 lb uplift at						
BOT CHORD	2x4 SP No.2			31 lb uplift at join								
NEBS	2x4 SPF No.3			s designed in acc								
BRACING				al Residential Co			nd					
FOP CHORD	Structural wood she			and referenced s	tandard AN	ISI/TPI 1.						
	2-9-2 oc purlins, ex		LOAD CASE(S) Standard								
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 of	C									
REACTIONS	(size) 3= Mecha 5=0-7-6	inical, 4= Mechanica	al,									
	Max Horiz 5=60 (LC	9)										
	Max Uplift 3=-31 (LC	,										
	Max Grav 3=39 (LC	,, , , ,										
	(LC 1)	,, -(,,										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-5=-291/416, 1-2=0)/35. 2-3=-32/16										
BOT CHORD	4-5=0/0											
NOTES												
Vasd=91m Ke=1.00; C exterior zon and right e	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC cat. II; Exp C; Enclose ne and C-C Corner (3 xposed ; end vertical I -C for members and fr	DL=6.0psf; h=35ft; d; MWFRS (envelop) zone; cantilever lef left and right	ft								Contraction of the	MISSO

- reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 2) 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 5 SP No.2 crushing 4) capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.



Page: 1

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	CJ04	Jack-Open	3	1	Job Reference (optional)	166262067

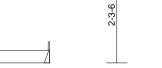
Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:36 ID:wvI4XGEnRkvU_zOfJK2?MkzeDAq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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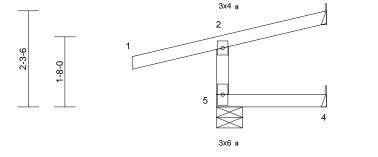


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2-7-6



Page: 1



Scale = 1:27.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI201	4 Matrix-R							Weight: 12 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.3 Structural wood she 2-7-6 oc purlins, ex Rigid ceiling directly bracing.	y applied or 10-0-0 o anical, 4= Mechanica	ed or LOAD CAS c	mechanical conne plate capable of w nd 28 lb uplift at jo ss is designed in ar- ional Residential C 0.2 and referenced E(S) Standard	ithstanding 1 int 3. ccordance w ode sections	43 lb uplift a ith the 2018 s R502.11.1 a	t					
	Max Uplift 3=-28 (LC	/										
	Max Grav 3=30 (LC (LC 1)	,, , , , ,										
FORCES	(lb) - Maximum Cor Tension	mpression/Maximum										
TOP CHORD BOT CHORD	2-5=-289/414, 1-2= 4-5=0/0	0/35, 2-3=-32/16										
	CE 7-16; Vult=115mpł nph; TCDL=6.0psf; B0											

1 Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 5 SP No.2 crushing 4) capacity of 565 psi.

Refer to girder(s) for truss to truss connections. 5)



June 14,2024

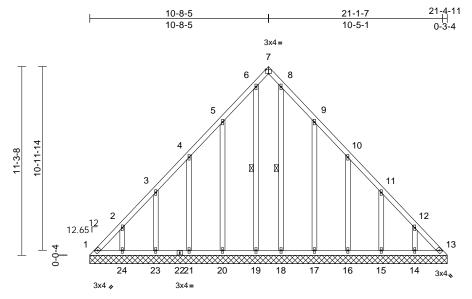
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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TION DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 08/20/2024 4:16:48

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	HG1	Lay-In Gable	1	1	Job Reference (optional)	166262068

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:36 ID:4aaBILsmFzqQEJMVaBas7szeC6t-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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21-4-11

Scale = 1:68.9

Plate Offsets (X, Y): [7:Edge,0-3-0]

H

Plate Olisets ((X, Y): [7:Edge,0-3-0												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.14 0.07 0.27	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 13	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 142 lb	GRIP 244/190 FT = 20%
	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		or W N(1) 2)), 3), 3), (),),),),),),),),),),	EBS Unbalanced this design. Wind: ASCE Vasd=91mp Ke=1.00; Ca exterior zon Interior (1) 5 15-5-9, Inter and right ex exposed;C-(reactions sh DOL=1.60 Truss desig only. For st see Standar or consult q All plates ar	1-24=-239/340, 23- 21-23=-239/340, 2(19-20=-239/340, 16 15-16=-239/340, 16 15-16=-239/340, 14 13-14=-239/340 2-24=-178/154, 3-2 4-21=-179/157, 5-2 6-19=-129/38, 8-18 10-16=-179/156, 11 12-14=-178/154 I roof live loads have E 7-16; Vult=115mpt h; TCDL=6.0psf; BC at. II; Exp C; Encloss e and C-C Exterior(; 6-4-1 to 10-8-9, Exterior ior (1) 15-5-9 to 21- posed; end vertical C for members and iown; Lumber DOL= gned for wind loads i uds exposed to wind d Industry Gable Er ualified building des e 1.5x4 MT20 unles res continuous bott	-21=-2: -19=-2: -17=-2: -17=-2: -15=-2: 3=-185, 0=-209, =-107/2 -15=-1: -15	39/340, 39/340, 39/340, 39/340, 39/340, 162, 185, 162, 185, 162, 185, 162, 185, 162, 185, 162, 185, 162, 185, 162, 105, 10,	e) eft ss , le, 11.	beau joint 137 uplif joint and 11) This Inter	ring pla 1, 109 1b uplifi t at join 17, 13 137 lb truss is rnationa 2.10.2	te capa Ib uplif t at join t 20, 18 3 Ib upl uplift at s desig al Resid and ref	able of withstandii t at joint 13, 137 I t 23, 132 Ib uplift 3 Ib uplift at joint 1 fift at joint 16, 137 t joint 14. ned in accordanc dential Code sect erenced standard	ANSI/TPI 1.
TOP CHORD	Tension			This truss ha chord live lo * This truss on the botto 3-06-00 tall chord and a	spaced at 0-0-0 oc as been designed fo ad nonconcurrent w has been designed m chord in all areas by 2-00-00 wide will ny other members. are assumed to be 565 psi.	or a 10.0 rith any for a liv where fit betv	other live load e load of 20.0 a rectangle veen the botto	psf		Ø	A A A A A A A A A A A A A A A A A A A	NUMI PE-20010	LENGIE

June 14,2024



RELEASE FOR CONTRUCTION AS NOTED ON PLANS REVIEW DEVELORMENT SERVICES LEE'S'SUMINITY MISSOURI 08/20/2024 4:16:48

Page: 1

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	HG2	Lay-In Gable	1	1	Job Reference (optional)	166262069

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:36 ID:gPh1qn6EiV4GvAb_S_4fH9zeBhR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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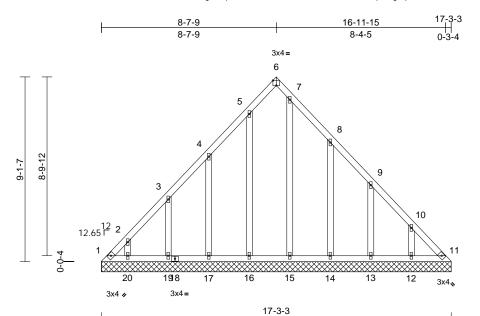
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June 14,2024



Scale = 1:56.9	

Plate Offsets (X, Y): [6:Edge,0-3-0]

	(, .). [e:_:ge;e e e]														
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.10 0.06 0.16	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 11	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 101 lb	GRIP 244/190 FT = 20%		
			14		0.00 450/404 0	10 100	/1.00		44) This				a with the 2010		
LUMBER TOP CHORD BOT CHORD OTHERS				WEBS 2-20=-158/134, 3-19=-190/162, 4-17=-206/176, 5-16=-151/95, 7-15=-103/3, 8-14=-214/188, 9-13=-185/157, 10-12=-185/157						 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard 					
BRACING				OTES											
TOP CHORD		athing directly applie	dor 1)	Unbalanced this design.	roof live loads ha	ave been	considered fo	r							
BOT CHORD	6-0-0 oc purlins. Rigid ceiling directly bracing.	applied or 10-0-0 oc	; 2)	Wind: ASCE Vasd=91mp	E 7-16; Vult=115m h; TCDL=6.0psf;	BCDL=6	0psf; h=35ft;								
REACTIONS	13=17-3-3 16=17-3-2 20=17-3-2 20=17-3-2 1=-248 (L Max Uplift 1=-129 (L 12=-139 (14=-165 (L 20=-116 (Max Grav 1=305 (LC 12=210 (L 14=218 (L 16=191 (L 19=209 (L	C 8) C 10), 11=-85 (LC 1 ⁻ LC 13), 13=-131 (LC LC 13), 16=-71 (LC LC 12), 19=-138 (LC LC 12), 11=269 (LC 12) C 12), 11=269 (LC 12) C 20), 13=204 (LC 2 C 20), 15=143 (LC 1 LC 19), 17=210 (LC 1 LC 19), 20=178 (LC 1	-3-3, -3-3, 1), : 13), 12), : 12), : 12), 3), 20), 1), 4) 19), 5)	exterior zon Interior (1) § 13-7-13, Intu- left and righ exposed;C reactions sh DOL=1.60 Truss desig only. For st see Standar or consult q All plates ar Gable requi Gable studs	at. II; Exp C; Enclo e and C-C Exterior is-3-13 to 8-7-13, E erior (1) 13-7-13 to t exposed; end vic C for members an iown; Lumber DO uned for wind load uds exposed to w rd Industry Gable ualified building di e 1.5x4 MT20 unl res continuous bo spaced at 0-0-0 (as been designed	or(2E) 0-4 Exterior(2 o 16-11-9 ertical left dd forces - L=1.60 pl ls in the p ind (norm End Deta esigner a ess other ttom choloco.	-1 to 5-3-13, R 8-7-13 to zone; cantile and right & MWFRS for ate grip lane of the tru al to the face ils as applica s per ANSI/TI wise indicated d bearing.	uss), ble, PI 1.				5000			
FORCES	(lb) - Maximum Com Tension	pression/Maximum	.,		ad nonconcurrent			ds.				FE OF I	AISSO		
TOP CHORD		0/77, 6-7=-69/53,	,	on the botto 3-06-00 tall	has been designe m chord in all are by 2-00-00 wide v ny other members	as where vill fit betv	a rectangle	•				STATE OF M SCOTT	M.		
BOT CHORD		-17=-212/295, -15=-212/295,	9) 10	capacity of 8) Provide med bearing plat joint 1, 85 lb lb uplift at jo	are assumed to b 565 psi. chanical connection e capable of withs o uplift at joint 11, int 19, 152 lb uplift ib uplift at joint 1	on (by oth standing 1 116 lb up ft at joint	ers) of truss t 29 lb uplift at lift at joint 20, 17, 71 lb uplif	138 t at		-	A State	PE-2001			

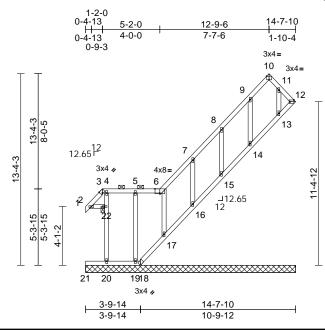
joint 16, 165 lb uplift at joint 14, 131 lb uplift at joint 13

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 touls be personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

and 139 lb uplift at joint 12.

Job	Truss	Truss Type	Qty Ply Roof - HR Lot 200		Roof - HR Lot 200		
P240765-01	HG3	Lay-In Gable	1	1	Job Reference (optional)	166262070	

Run: 8.63 E Apr 26 2024 Print: 8.630 E Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 14:30:43 ID:YZosHd0vTL2lu14QAkEIWBzeC1W-23QULfrZVcYb?Klqg4Od9zAZ7_A5Wrx2x0qXC5z6L4R Page: 1



Scale = 1:80.3

Plate Offsets (X, Y): [3:0-1-7,Edge], [6:0-4-0,Edge], [10:Edge,0-3-0], [12:Edge,0-1-8]

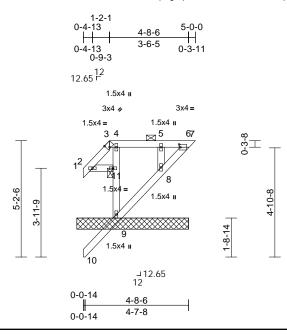
Plate Offsets ([∧, f). [3.0-1-7,Euge],	[6.0-4-0,Euge], [10.	Euge,0-3-0	J, [12.Euge,0-	1-0]								
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.13 0.03 0.18	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 12	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 88 lb	GRIP 244/190 FT = 20%
TOP CHORD 2x4 SP No.2 5 BOT CHORD 2x4 SP No.2 5 WEBS 2x4 SPF No.3 5 OTHERS 2x4 SPF No.3 5 BRACING 5 5 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins, except 6 BOT CHORD Structural wood sheathing directly applied or 6-0-0 cc purlins, except 7 JOINTS 1 Brace at Jt(s): 22 8 BACTIONS All bearings 14-7-10. 9 (lb) - Max Horiz 1=361 (LC 12) 7 Max Uplift All uplift 100 (lb) or less at joint(s) 12, 14, 17, 19 except 1=-124 (LC 10), 15=-144 (LC 12), 16=-151 (LC 12), 20=-373 (LC 12) 10 Max Grav All reactions 250 (lb) or less at joint (s) 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 except 1=292 (LC 12) 12				 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. Provide adequate drainage to prevent water ponding. All plates are 1.5x4 MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing. Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). Gable studs spaced at 0-0-0 oc. 									
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-460/333, 2-3=-442/334, 3-4=-285/209,				13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.								alan	
4-5=-300/220, 5-6=-301/221, 6-7=-349/270				14) Graphical purlin representation does not depict the size								MISS	
WEBS NOTES	20-22=-356/396, 4-2	22=-356/396		or the orientation of the purlin along the top and/or bottom chord.								1 CAN	
 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 5-2-0, Interior (1) 5-2-0 to 12-9-6, Exterior(2E) 12-9-6 to 14-5-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 				DAD CASE(S)								PE-2001	1ER 018807

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RELEASE OR CONSTRUCTION AS NOTED ON FLANS REVIEW DEVELORMENT SERVICES LEE'S'SUMMIT'S MISSOURI 08/20/2024 4:16:48

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	HG4	Lay-In Gable	1	1	Job Reference (optional)	166262071

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:36 ID:DCzDukS2acqSzgn?pNKu14zeBz4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:51.4

Plate Offsets (X, Y): [3:0-1-7,Edge], [6:0-0-10,0-1-8]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 25 lb	FT = 20%
LUMBER 3) Truss designed for wind loads in the plane of the truss												

2x4 SP N 2x4 SP N 2x4 SPF I 2x4 SPF I	o.2 No.3					
0	and the state of t					
	wood sheathing directly applied or					
	Rigid ceiling directly applied or 6-0-0 oc					
1 Brace at Jt(s): 11						
(size)	1=4-11-14, 6=4-11-14, 8=4-11-14, 9=4-11-14, 10=4-11-14					
Max Horiz	1=57 (LC 12)					
Max Uplift	6=-13 (LC 9), 8=-42 (LC 8), 9=-43 (LC 12)					
Max Grav	1=40 (LC 1), 6=38 (LC 1), 8=172 (LC 26), 9=170 (LC 1), 10=20 (LC 3)					
(lb) - Max Tension	imum Compression/Maximum					
1-2=-49/35, 2-3=-43/44, 3-4=-4/3, 4-5=-1/1, 5-6=-3/2, 6-7=0/1						
9-10=-10/27, 8-9=-29/29, 6-8=-24/8						
9-11=-147 2-11=-3/4	7/96, 4-11=-147/96, 5-8=-135/63,					
	2x4 SP N 2x4 SPF I 2x4 SPF I 2x4 SPF I Structural 5-0-0 oc p 2-0-0 oc p Rigid ceili bracing. 1 Brace a (size) Max Horiz Max Uplift Max Grav (lb) - Max Tension 1-2=-49/3 5-6=-3/2, 9-10=-10/ 9-11=-147					

NOTES

- Unbalanced roof live loads have been considered for 1) this design
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 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. Provide adequate drainage to prevent water ponding. 4)
- Gable requires continuous bottom chord bearing. 5)
- Truss to be fully sheathed from one face or securely 6)
- braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 0-0-0 oc. 7)
- This truss has been designed for a 10.0 psf bottom 8)
- chord live load nonconcurrent with any other live loads. 9) * 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.
- 10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 11) Bearing at joint(s) 10, 6, 9, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 6, 43 lb uplift at joint 9 and 42 lb uplift at joint 8.
- 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 10, 6, 9, 8.
- 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10 2 and referenced standard ANSI/TPL1
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- LOAD CASE(S) Standard





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 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 trust 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/TPI1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	HG5	Lay-In Gable	1	1	Job Reference (optional)	166262072

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:36 ID:j9qp1kAgx6INfacONQIhp5zeBGF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

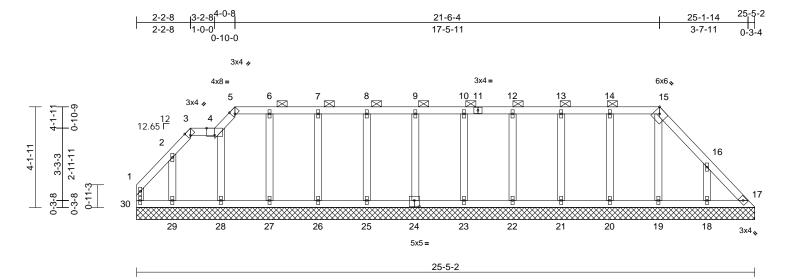
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DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 08/20/2024 4:16:48

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June 14,2024



Scale = 1:47.4

Plate Offsets (X, Y):	[3:0-1-7.Edge].	[4:0-4-0.Edge].	[5:0-1-7.Edge].	[15:0-2-9.Edge]	[24:0-2-8.0-3-0]
	[0.0 i i,Eugo],	[1.0 1 0, Eugo],	[0.0 i i,Eugo],	[10.0 2 0,2090]	

	x, i). [3.0-1-7,∟uge]	, [4.0-4-0,Euge], [0.0-	n-r,∟uge	J, [10.0 2 0,EC	ugej, [24.0-2-0,0-3	-0]						-	
Loading TCLL (roof) TCDL BCLL	(psf) 25.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO		CSI TC BC WB	0.07 0.05 0.06	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 17	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 197/144
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S	-						Weight: 125 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD		athing directly applie cept end verticals, ar)-0 max): 3-4. 5-15.	d or B ⁰	OP CHORD	$\begin{array}{l} 1\text{-}30\text{=-}82/31, 1\text{-}2\\ 3\text{-}4\text{=-}64/55, 4\text{-}5\text{=}\\ 6\text{-}7\text{=-}85/84, 7\text{-}8\text{=}\\ 9\text{-}10\text{=-}86/85, 10\text{-}\\ 13\text{-}14\text{=-}86/85, 14\\ 16\text{-}17\text{=-}103/92\\ 29\text{-}30\text{=-}64/95, 28\\ 26\text{-}27\text{=-}64/97, 25\\ 22\text{-}23\text{=-}64/97, 21\\ \end{array}$	-96/79, 5- -85/84, 8- 12=-86/85 I-15=-86/8 I-15=-86/8 I-29=-64/9 I-22=-64/9 I-22=-64/9	6=-85/84, 9=-85/84, 5, 12-13=-86/8 5, 15-16=-95/ 15, 27-28=-64/ 17, 23-25=-64/ 17, 20-21=-64/	/85, /97, /97, /97,	on 1 3-0 cho 10) All 1 cap 11) Pro bea 30,	the botto 6-00 tall ord and a bearings acity of vide me tring plat 32 lb up	om cho by 2-0 any oth s are as 565 ps chanic te capa blift at jo	rd in all areas wh 0-00 wide will fit l er members. ssumed to be SP i. al connection (by able of withstandii pint 17, 116 lb up	between the bottom No.2 crushing others) of truss to ng 40 lb uplift at joint lift at joint 29, 26 lb
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	w	EBS	19-20=-64/97, 18 2-29=-114/114, 4 7-26137/65, 8-	-28=-131	/55, 6-27=-152	2/56,	26,	37 lb up	olift at jo	oint 25, 42 lb uplif	27, 42 lb uplift at joint t at joint 24, 39 lb 22, 38 lb uplift at joint
	7-26137/65 8-25142/64 9-24135/61				r -1-5 left te ss	21, Ib u 12) This Inte R80 13) Gra or t bot	46 lb up plift at jo s truss is rnationa 02.10.2 a phical p	blift at ju bint 18. s desig al Resid and ref urlin re tation of rd.) Sta	bint 20, 26 lb uplif ned in accordanc dential Code sect erenced standarc presentation doe of the purlin along	t at joint 19 and 148 e with the 2018 ions R502.11.1 and t ANSI/TPI 1. s not depict the size the top and/or			
FORCES	(lb) - Maximum Corr Tension		4) 5) 6) 7) 8)	Provide ade All plates a Gable requ Gable stud This truss h	qualified building d equate drainage to re 1.5x4 MT20 unl ires continuous bo s spaced at 0-0-0 nas been designed boad nonconcurren	prevent v less other ottom chor oc. I for a 10.0	water ponding wise indicated d bearing. O psf bottom	ļ. I.		-	A SAN	PE-20010	DI8807

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

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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J01	Jack-Open	1	1	Job Reference (optional)	166262073

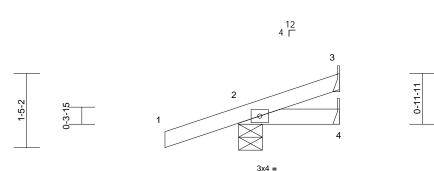
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Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

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Page: 1



1-11-4

1-11-4

1-11-4

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Scale = 1.22.2												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	0.00	2-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	2-4	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		. ,					Weight: 8 lb	FT = 20%
UMBER OP CHORD OT CHORD BRACING OP CHORD	2x4 SP No.2 2x4 SP No.2 Structural wood shu 1-11-4 oc purlins.	eathing directly applie	Internation R802.10.2 LOAD CASE(is designed in acc al Residential Coo and referenced st 5) Standard	de sections	s R502.11.1 a	and					
OT CHORD		y applied or 10-0-0 o	c									
REACTIONS	(size) 2=0-5-8, Mechani Max Horiz 2=55 (LC											
	Max Uplift 2=-110 (,	=38									
	(LC 3)	- // //										
FORCES	(lb) - Maximum Cor Tension	mpression/Maximum										
FOP CHORD	1-2=0/30, 2-3=-35/	17										
BOT CHORD	2-4=0/0											
Vasd=91m Ke=1.00; C exterior zor and right e exposed;C	ne and C-C Exterior(xposed ; end vertical -C for members and hown; Lumber DOL=	CDL=6.0psf; h=35ft; ed; MWFRS (envelop 2E) zone; cantilever left and right forces & MWFRS for	left								TATE OF	MISSO
	has been designed fo									B	14	M TM.
 This truss on the both 3-06-00 tal chord and 	s has been designed om chord in all areas I by 2-00-00 wide wil any other members.	vith any other live loa for a live load of 20.0 where a rectangle I fit between the botto Joint 2 SP No.2 crush)psf om							P. C.	2 200	TER *
capacity of			iii iy							W.	PE-200	1018807
6) Provide me bearing pla	echanical connection	(by others) of truss t anding 110 lb uplift at								Y	Ession	AL ENGLIS

June 14,2024



FRUCTION VIEW DEVELOPMENS SERVICES LEE'S' SUMMIT'S MISSOURI 08/20/2024 4:16:48

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J02	Jack-Open	1	1	Job Reference (optional)	166262074

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:6mrTrCbDvjlil7jv04wNqEzeCPI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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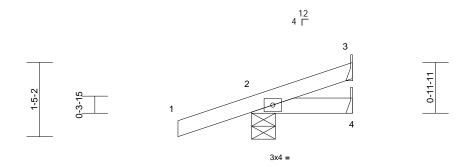
June 14,2024

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TRUCTION VIEW

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1-11-4					

Scale = 1:22.2

Scale = 1:22.2												
Loading TCLL (roof) TCDL BCLL	(psf) 25.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO	CSI TC BC WB	0.20 0.04 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 2-4 2-4 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 8 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 Structural wood she 1-11-4 oc purlins. Rigid ceiling directly bracing.	• • • •	Internation R802.10.2 LOAD CASE(ed or	is designed in acco nal Residential Cod and referenced sta S) Standard	e sections	R502.11.1 a	Ind					
	(size) 2=0-5-8, : Mechanic Max Horiz 2=55 (LC Max Uplift 2=-110 (L Max Grav 2=227 (L0 (LC 3)	8) .C 8), 3=-19 (LC 12)	=38									
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	Tension 1-2=0/30, 2-3=-35/1	7										
BOT CHORD	2-4=0/0	1										
Vasd=91m Ke=1.00; C exterior zoo and right e exposed;C	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose ne and C-C Exterior(2 xposed ; end vertical -C for members and f shown; Lumber DOL=	CDL=6.0psf; h=35ft; ed; MWFRS (envelop 2E) zone; cantilever I left and right forces & MWFRS for	left								THE OF	MISSOL
	has been designed fo									B	S SCOT	
 This truss on the bott 3-06-00 tal chord and Bearings a 	load nonconcurrent w s has been designed f tom chord in all areas Il by 2-00-00 wide will any other members. tre assumed to be: , J	for a live load of 20.0 where a rectangle fit between the botto)psf om							B	SEV NUM	BER
6) Provide me bearing pla	f 565 psi. rder(s) for truss to trus echanical connection ate capable of withsta o uplift at joint 3.	(by others) of truss to								W.	SSIONA	LENGI

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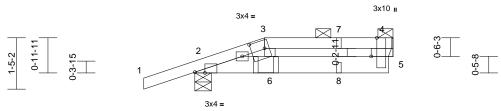
Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J03	Half Hip Girder	2	1	Job Reference (optional)	166262075

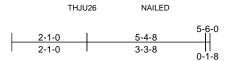
Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:6mrTrCbDvjlil7jv04wNqEzeCPI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





6x6 ≤





Scale = 1:32

Plate Offsets (X, Y): [2:0-3-6,Edge], [3:0-4-8,0-2-12], [4:0-6-3,Edge]

Plate Offsets (X, Y): [2:0-3-6,Edge]	, [3:0-4-8,0-2-12], [4:0	0-6-3,Edge	e]									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.26 0.10 0.02	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 0.00	(loc) 6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 21 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Wind: ASG Vasd=91n Ke=1.00; (exterior zc and right e exposed;C reactions 3: DOL=1.60 2) Provide ac 3) This truss chord live 4) * This trus	2x4 SP No.2 2x6 SPF No.2 2x8 SPF No.2 *Exce Structural wood she 5-6-0 oc purlins; 3-4 Rigid ceiling directly bracing. (size) 2=0-5-8, : Max Horiz 2=43 (LC Max Uplift 2=-114 (L Max Grav 2=340 (LI (lb) - Maximum Con Tension 1-2=0/35, 2-3=-222/ 4-5=-124/141 2-6=-84/189, 5-6=-6 3-6=-60/77 CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical 2-C for members and f shown; Lumber DOL= 0 dequate drainage to pn has been designed fo load nonconcurrent w s has been designed fo load nonconcurrent w	ept* 6-3:2x4 SPF No. eathing directly applie (cept end verticals, art applied or 10-0-0 oc 5= Mechanical (30) C 8), 5=-33 (LC 9) C 1), 5=197 (LC 1) npression/Maximum (48, 3-4=-174/49, 66/176 n (3-second gust) CDL=6.0psf; h=35ft; ad; MWFRS (envelop 2E) zone; cantilever le for a s& MWFRS for 1.60 plate grip revent water ponding r a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle fit between the botto	6) 7) 3 8) d or 10 9) 10 11 11 12 13 13 14 e) 14 e) t1 13 13 14 e) 14 e) 14 e) 14 sft 10 15 15 16 17 10 10 11 11 12 13 13 14 14 19 15 10 10 10 10 10 10 10 10 10 10 10 10 10	Refer to gird Provide mec bearing plate 2 and 33 lb u This truss is International R802.10.2 au Graphical pu or the orienta bottom chorc (0) Use Simpson RC 1-PLY) of connect truss) N/A "NAILED" into per NDS gui (1) Hanger(s) or provided suff lb down and design/selec responsibility (1) In the LOAD of the truss a DAD CASE(S) Dead + Roo Plate Increa Uniform Lo: Vert: 1-3 Concentrate	er(s) for truss to tr hanical connection e capable of withst uplift at joint 5. designed in accor Residential Code nd referenced star rirlin representation ation of the purlin a f. n Strong-Tie THJL or equivalent at 1-1 s(es) to back face dicates Girder: 3-1 delines. • other connection ficient to support c 104 lb up at 1-11 tion of such conne / of others. CASE(S) section, are noted as front f Standard of Live (balanced): ase=1.15	n (by oth anding ' dance w sections ndard AN does n along the J26 (SGI 1-10 fro of botto 0d (0.14 device(s concentra -4 on top ection de loads a (F) or ba	ers) of truss i 14 lb uplift at ith the 2018 s R502.11.1 a VSI/TPI 1. of depict the s e top and/or _ & SGL SHC m the left end m chord. (s) shall be ated load(s) 1 o chord. The vice(s) is the pplied to the s ck (B).	t joint and size DRT d to nails 165 face		Į,		STATE OF STATE OF SCOT SEV PE-2001	MISSOLUTION T. M. IER DISBO7
												Jun	e 14,2024

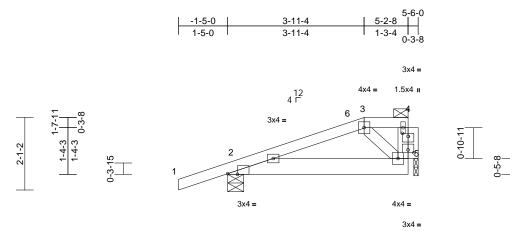
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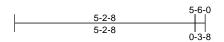
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Page: 1

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J04	Half Hip	1	1	Job Reference (optional)	166262076

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:juQculcza1K?qo_?lfQY6SzeCMh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:33.3

Plate Offsets (X, Y): [2:0-3-6,Edge], [4:0-2-0,0-1-0], [5:0-2-0,0-1-0]

	, , , , , [2.0 0 0,Eugo],	[1.0 <u>2</u> 0,0 1 0], [0.0	2 0,0 1 0	1	1	-							-
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.27	Vert(LL)	-0.01	2-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.13	Vert(CT)	-0.02	2-5	>999	180		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%
	2x4 SP No.2 2x6 SPF No.2 2x4 SPF No.3 2x4 SP No.2 Structural wood she 5-6-0 oc purlins; 3-4 Rigid ceiling directly bracing. (size) 2=0-5-8, 5 Max Horiz 2=73 (LC Max Uplift 2=-136 (L Max Grav 2=358 (LC	cept end verticals, a applied or 10-0-0 o 5=0-1-8 9) C 8), 5=-38 (LC 8)	ind 8) c 9)	capacity of 4 565 psi. Bearing at jc using ANSI/ designer sho Provide mec bearing platt joint 2 and 3 This truss is International R802.10.2 a D) Graphical pu	e assumed to be: 125 psi, Joint 5 SF pint(s) 5 considers TPI 1 angle to gra build verify capacit shanical connectic e at joint(s) 5. shanical connectic e capable of withs 8 lb uplift at joint ! designed in acco Residential Code nd referenced sta urlin representatio ation of the purlin	P No.2 cru s parallel s in formul cy of bear on (by oth tanding 1 5. rdance w e sections indard AN n does no	ushing capac to grain value a. Building ing surface. ers) of truss 36 lb uplift a ith the 2018 c R502.11.1 a SU/TPI 1. bt depict the	to to to tand					
FORCES	(lb) - Maximum Com Tension	pression/Maximum		bottom chore	d.								
TOP CHORD	1-2=0/35, 2-3=-168/ 4-5=-44/53	122, 3-4=-26/28,	Ľ	OAD CASE(S)	Sianuaru								
BOT CHORD	2-5=-162/126												
WEBS	3-5=-157/203												
NOTES													
Vasd=91m Ke=1.00; C exterior zo Interior (1) zone; cant	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 3-7-0 to 3-11-4, Exter ilever left and right exp exposed;C-C for memb	DL=6.0psf; h=35ft; d; MWFRS (envelop E) -1-5-0 to 3-7-0, ior(2E) 3-11-4 to 5-2 bosed ; end vertical	2-8									STATE OF J	MISSOLIA T M. HER

- grip DOL=1.602) Provide adequate drainage to prevent water ponding.
- 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

MWFRS for reactions shown; Lumber DOL=1.60 plate

4) * This truss has been designed for a live load of 20.0ps 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.

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June 14,2024

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Page: 1

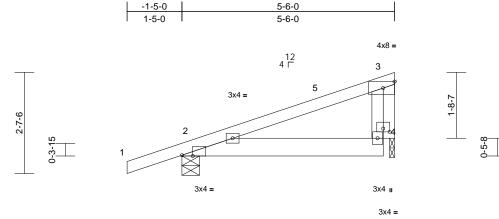
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 **ANSITPTI Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

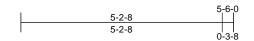
Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J05	Monopitch	4	1	Job Reference (optional)	166262077

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:b6cGb2F9epYGEAiEXMtWu7zeCN9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:29.8

Plate Offsets (X, Y): [2:0-3-6,Edge], [4:0-2-0,0-1-0]

	∧, 1). [2.0-3-0,∟uge],	[4.0-2-0,0-1-0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-P	0.55 0.12 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 0.00	(loc) 2-4 2-4 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 24 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x6 SPF No.2 2x4 SPF No.3 2x4 SP No.2 Structural wood shea 5-6-0 oc purlins, exa Rigid ceiling directly bracing. (size) 2=0-5-8, 4 Max Horiz 2=92 (LC Max Uplift 2=-133 (L Max Grav 2=358 (LC	athing directly applie cept end verticals. applied or 10-0-0 or 4=0-1-8 9) C 8), 4=-47 (LC 12)	5) 6) 7) ed or 5	Bearing at jo using ANSI/ designer sho Provide mec bearing plate provide mec bearing plate joint 2 and 4 This truss is International	int(s) 4 considers p IPI 1 angle to grain ould verify capacity of hanical connection a at joint(s) 4. hanical connection a capable of withsta 7 lb uplift at joint 4. designed in accord: Residential Code s nd referenced stance	formul of bear (by oth (by oth nding 1 ance w sections	a. Building ing surface. ers) of truss ars) of truss 33 lb uplift a ith the 2018 5 R502.11.1 a	to to t				riogn. 2 hb	
FORCES	(lb) - Maximum Com Tension 1-2=0/35, 2-3=-114/6												
BOT CHORD	2-4=-35/38												
NOTES													
Vasd=91m Ke=1.00; C exterior zou Interior (1) exposed ; e members a	E 7-16; Vult=115mph hph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose ne and C-C Exterior(2 3-7-0 to 5-2-8 zone; c end vertical left and rig and forces & MWFRS DL=1.60 plate grip DO	DL=6.0psf; h=35ft; d; MWFRS (envelop E) -1-5-0 to 3-7-0, antilever left and rig ght exposed;C-C for for reactions shown	ht								Å	STATE OF SCOT	MISSOUR
 2) This truss I chord live I 3) * This truss on the both 3-06-00 tal 	has been designed for load nonconcurrent wi s has been designed for tom chord in all areas Il by 2-00-00 wide will any other members.	a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle)psf								S	cott	Server 1

4) Bearings are assumed to be: Joint 2 SPF No.2 crushing capacity of 425 psi, Joint 4 SP No.2 crushing capacity of 565 psi.

PE-2001018807 E ONAL June 14,2024

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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J06	Half Hip	1	1	Job Reference (optional)	166262078

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:AGPiPC0cLf16q6AOM9Wp4vzeCNT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



6-6-0 -1-5-0 5-11-4 1-5-0 5-11-4 0-6-12 3x4 = 3x4 = 12 4 Г 3 4 6 2-3-11 2-3-11 2 0-3-15 Ŷ 5

4x6 =

6-6-0

3x4 II

Scale =	1.30.0

Plate Offsets (X, Y): [2:0-5-6.0-0-1]. [3:0-2-0.0-2-13]. [4:Edge.0-1-8]

2-9-2

Plate Offsets	(X, Y): [2:0-5-6,0-0-1],	[3:0-2-0,0-2-13], [4:	Edge,0-1-8]									-	
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.52	Vert(LL)	-0.02	2-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.18	Vert(CT)	-0.04	2-5	>999	180		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/	/TPI2014	Matrix-R				-			Weight: 26 lb	FT = 20%
LUMBER					hanical connectio	n (by oth	ers) of truss	to					
TOP CHORD					e at joint(s) 5.			4.0					
BOT CHORD WEBS	2x6 SPF No.2 2x4 SPF No.3				hanical connectio capable of withs								
BRACING	2X4 SPF N0.3				5 lb uplift at joint 5			·					
TOP CHORD	Structural wood she	athing directly applie	0)		designed in acco		ith the 2018						
	6-0-0 oc purlins, ex		nd		Residential Code			and					
	2-0-0 oc purlins (6-0				nd referenced sta								
BOT CHORD		applied or 10-0-0 or			Irlin representation ation of the purlin			size					
	bracing.			bottom chord		along the	top anu/or						
REACTIONS	(, , -			AD CASE(S)									
	Max Horiz 2=104 (LC Max Uplift 2=-141 (L	,		(-)									
	Max Grav 2=406 (LC	,, ()											
FORCES	(lb) - Maximum Com	,. , ,											
	Tension												
TOP CHORD	,	65, 3-4=-107/114,											
	4-5=-172/213												
BOT CHORD	2-5=-117/112												
NOTES		(2)											
	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC												
	Cat. II; Exp C; Enclose		be)										(The
	one and C-C Exterior(2											THE OF	A Part
) 3-7-0 to 5-11-4, Exter										6	AFUT	MISS OF
	tilever left and right exp		left								6	A.M.	N.S
	exposed;C-C for memb for reactions shown; Lu		to								B	SCOT	TM. YE Y
arip DOL=			le								B.	/ SEV	IER \ Y
31 -	dequate drainage to pr	event water ponding	1.								Bo		
	s has been designed for										¥.	Latt	Anna
	load nonconcurrent wi									2	4	NUM	BERNAL
	ss has been designed f httom chord in all areas		pst								N	PE-2001	018807
	all by 2-00-00 wide will		om								V	Tol 1	18A
	d any other members										1	A Sa	GIA

chord and any other members. All bearings are assumed to be SPF No.2 crushing 5) capacity of 425 psi.

June 14,2024

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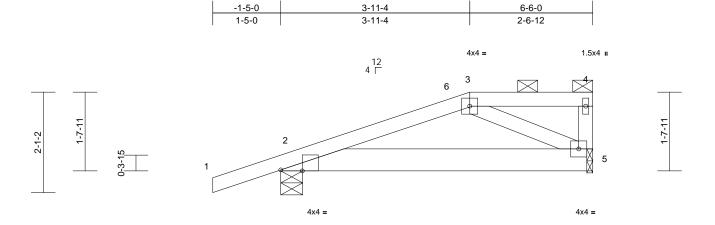
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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J07	Half Hip	1	1	Job Reference (optional)	166262079

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:T4HVkzhgiNdx5ycCH_XUUCzeCNu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

6-6-0





Scale = 1:24

Plate Offsets (X, Y): [2:0-5-6,Edge]

Loading (psf) TCLL (roof) 25.0 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 NO IRC2018/TPI2014	CSI TC BC WB 4 Matrix-P	0.28 0.20 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.04 0.00	(loc) 2-5 2-5 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 28 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SPF No.2 WEBS 2x4 SPF No.3 BRACING TOP CHORD Structural wood shea 6-0-0 oc purlins, exc. 2-0-0 oc purlins; 3-4. BOT CHORD Rigid ceiling directly a bracing. REACTIONS (size) 2=0-5-8, 5= Max Horiz 2=73 (LC 9 Max Upit 2=-145 (LC Max Grav 2=406 (LC FORCES (lb) - Maximum Comp Tension	athing directly applied ept end verticals, and applied or 10-0-0 oc =0-1-8 3) C 8), 5=-51 (LC 8) • 1), 5=260 (LC 1)	 5) All bear capacity 6) Provide bearing 7) Provide bearing d or joint 2 a 8) This true Internate R802.1 9) Graphic or the obbottom 	ings are assumed to b y of 425 psi. mechanical connection plate at joint(s) 5. mechanical connection plate capable of withs nud 51 lb uplift at joint ss is designed in acco ional Residential Codu 0.2 and referenced sta al purlin representation rientation of the purlin	on (by oth standing 1 5. ordance w e sections andard AN on does no	ers) of truss t ers) of truss t 45 lb uplift at th the 2018 s R502.11.1 a ISI/TPI 1. ot depict the s	o nd					
TOP CHORD 1-2=0/35, 2-3=-281/2 4-5=-85/97 BOT CHORD 2-5=-286/219 WEBS 3-5=-247/302	245, 3-4=-26/28,										
 NOTES 1) Wind: ASCE 7-16; Vult=115mph (Vasd=91mph; TCDL=6.0psf; BCD Ke=1.00; Cat. II; Exp C; Enclosed exterior zone and C-C Exterior(2E Interior (1) 3-7-0 to 3-11-4, Exterior zone; cantilever left and right exposed; C-C for membe MWFRS for reactions shown; Lun grip DOL=1.60 2) Provide adequate drainage to pre 3) This truss has been designed for chord live load nonconcurrent with 	DL=6.0psf; h=35ft; t; MWFRS (envelope E) -1-5-0 to 3-7-0, or(2E) 3-11-4 to 6-4- osed ; end vertical le ers and forces & mber DOL=1.60 plate event water ponding. a 10.0 psf bottom	4 Aft								STATE OF SCOT SEV	IER *

4) * 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.

DEVELOPMENT SERVICES

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June 14,2024

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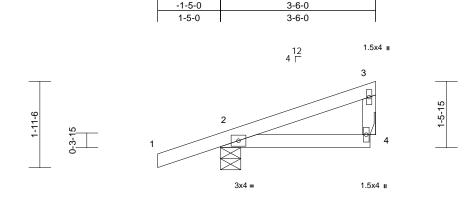
Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J08	Jack-Closed	3	1	Job Reference (optional)	166262080

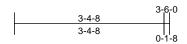
-1-5-0

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:SN?E2rd1k8D2iqcWKHUdbMzeCQY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:26

Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.25	DEFL Vert(LL)	in -0.01	(loc) 2-4	l/defl >999	L/d 240	PLATES MT20	GRIP 197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.01	2-4	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 14 lb	FT = 20%
LUMBER			7) This truss	is designed in acc	ordance w	ith the 2018						
TOP CHORD				al Residential Coc			and					
BOT CHORD				and referenced st	andard AN	ISI/TPI 1.						
WEBS	2x4 SPF No.3		LOAD CASE(S) Standard								
BRACING												
TOP CHORD	Structural wood she 3-6-0 oc purlins, ex		ed or									
BOT CHORD			C									
BOT CHOILD	bracing.		C									
REACTIONS	U	4= Mechanical										
	Max Horiz 2=65 (LC											
	Max Uplift 2=-124 (L	C 8), 4=-23 (LC 12)										
	Max Grav 2=286 (L0	C 1), 4=110 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension	0 0 4 05/400										
TOP CHORD BOT CHORD		8, 3-4=-95/122										
	2-4=-24/20											
NOTES	CE 7-16; Vult=115mph	(2 accord quat)										
	nph; TCDL=6.0psf; BC											
	Cat. II; Exp C; Enclose		pe)									
exterior zo	one and C-C Exterior(2	E) zone; cantilever	left									
	exposed ; end vertical											
	C-C for members and f		r									an
DOL=1.60	shown; Lumber DOL=	1.60 plate grip									OF	MISSO
	has been designed for	r a 10.0 pef bottom									ATEOF	USS W
	load nonconcurrent wi		ds.							6	172	N S S
	ss has been designed f									B	SCOT	
	ttom chord in all areas	0								8	SEV.	IER \ V
	all by 2-00-00 wide will	fit between the botto	om							8 *		1 * 12
	any other members.									8		
 Bearings a capacity c 	are assumed to be: Joi	III 2 5P INO.2 CRUSH	ng							2.	Catter 1	Server
	irder(s) for truss to trus	s connections.								87	O PE-2001	018807
	nechanical connection (0							N	The second	12A
	late canable of withstar									- X	100	I CN H

bearing plate capable of withstanding 124 lb uplift at joint 2 and 23 lb uplift at joint 4.

June 14,2024

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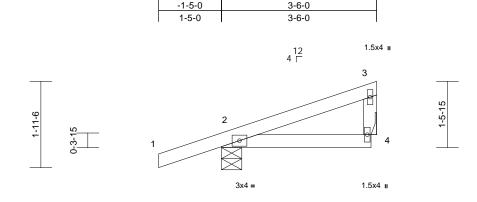


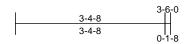
Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200					
P240765-01	J09	Jack-Closed	1	1	Job Reference (optional)	166262081				

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:6ey1upQVsiEtGBY57CrlStzeGef-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Doi7J4zJC?f





Scale = 1:26

		1										
Loadin	g (psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.01	2-4	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.01	2-4	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 14 lb	FT = 20%
LUMB	R		7) This truss is	designed in accord	dance w	ith the 2018						
TOP C				I Residential Code			and					
BOT C				and referenced stan								
WEBS	2x4 SPF No.3		LOAD CASE(S) Standard								
BRACI	NG		•									
	OP CHORD Structural wood sheathing directly applied or											
	3-6-0 oc purlins, except end verticals.											
BOT C	HORD Rigid ceiling directly	/ applied or 10-0-0 o	C									
	bracing.											
REACT	TIONS (size) 2=0-5-8,	4= Mechanical										
	Max Horiz 2=65 (LC											
	Max Uplift 2=-124 (L)									
	Max Grav 2=286 (L	,, (,										
FORCE	- (.)	npression/Maximum										
TODO	Tension	0 0 4 05/100										
TOP C BOT C		18, 3-4=-95/122										
NOTES		<i>(</i>)										
	nd: ASCE 7-16; Vult=115mph											
	sd=91mph; TCDL=6.0psf; BC =1.00; Cat. II; Exp C; Enclose		ne)									
	erior zone and C-C Exterior(2											
	right exposed ; end vertical											
	osed;C-C for members and f		r									~
rea	ctions shown; Lumber DOL=	1.60 plate grip									COOL	Jan
DC	L=1.60										F. OF	MISSO
	s truss has been designed fo									1	TATE OF	W.Oc
	ord live load nonconcurrent w									8	SCOT	TM XX
	his truss has been designed t		Opst							R	SEV	
	the bottom chord in all areas 6-00 tall by 2-00-00 wide will	0	om							R .		
	ord and any other members.	in between the bott	UII							2	b	
	arings are assumed to be: Jo	int 2 SP No 2 crushi	ina							8	X 115	
	acity of 565 psi.									22	COUM	Men May
	fer to girder(s) for truss to trus	ss connections.								N	O PE-2001	018807
	vide mechanical connection		to							N	The second	18A
	ring plata capable of withoto									×	100	1 CN H

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 2 and 23 lb uplift at joint 4.



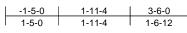
June 14,2024

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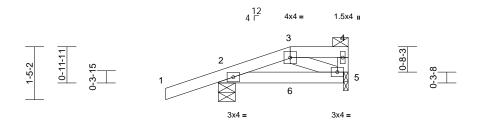
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 toulsible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200				
P240765-01	J10	Half Hip Girder	1	1	Job Reference (optional)	166262082			

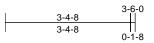
Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:2KNyZR?URf7fwbUUelYuLuzeCQ3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Special



Scale = 1:31

Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.25 0.13	DEFL Vert(LL) Vert(CT)	in -0.01 -0.01	(loc) 2-5 2-5	l/defl >999 >999	L/d 240 180	PLATES MT20	GRIP 197/144
BCLL BCDL	0.0* 10.0		NO IRC201	8/TPI2014	WB Matrix-P	0.03	Horz(CT)	0.00	5	n/a	n/a	Weight: 15 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD				using ANSI/ designer sho Provide meo bearing plate Provide meo bearing plate and 111 lb u	int(s) 5 considers IPI 1 angle to gra vuld verify capacit hanical connections at joint(s) 5. hanical connections connections connections at joint(s) 5. hanical connections at joint(s) 5.	in formula ty of beari on (by oth on (by oth standing 8	a. Building ng surface. ers) of truss ers) of truss Ib uplift at jo	to to					
REACTIONS	light coming directly bracing. (size) 2=0-5-8, 5 Max Horiz 2=43 (LC Max Uplift 2=-111 (L Max Grav 2=274 (LC	5=0-1-8 9) C 8), 5=-8 (LC 9)		R802.10.2 a) Graphical pu or the orienta bottom chore	Residential Code nd referenced sta urlin representation ation of the purlin d.	andard AN on does no along the	ISI/TPI 1. ot depict the top and/or						
FORCES	(lb) - Maximum Com Tension	pression/Maximum		provided suf	ficient to support	concentra	ted load(s) 1						
TOP CHORD	1-2=0/30, 2-3=-126/ 4-5=-50/60 2-5=-57/140	59, 3-4=-14/15,		Ib down and 104 Ib up at 1-11-4 on top chord, and 14 Ib down at 1-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.									
WEBS NOTES	3-5=-138/63	(3-second qust)	 12) 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 										

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
 This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
 4) * 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.
- Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi, Joint 5 SPF No.3 crushing capacity of 425 psi.

- LOAD CASE(S) Standard
 Dead + Roof Live (balanced): Lumber Increase=1.15,
 - Plate Increase=1.15 Uniform Loads (lb/ft)
 - Vert: 1-3=-70, 3-4=-70, 2-5=-20
 - Concentrated Loads (lb)
 - Vert: 3=30 (F), 6=-2 (F)



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June 14,2024

DEVELOPMENT: SERVICES LEE'S'SUMMIT: MISSOURI 08/20/2024 4:16:49

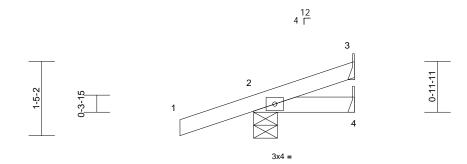
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Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200				
P240765-01	J11	Jack-Open	1	1	Job Reference (optional)	166262083			

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:37 ID:BOeiL02QvhNHe5qbL2AgSRzeCTt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-11-4

Scale =	1:22.2
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Scale = 1:22.2												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.20 0.04 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 2-4 2-4 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 8 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 Structural wood she 1-11-4 oc purlins. Rigid ceiling directly bracing.	applied or 10-0-0 or 3= Mechanical, 4= al 8) C 8), 3=-19 (LC 12)	Internationa R802.10.2 LOAD CASE(S	s designed in acco al Residential Code and referenced sta) Standard	e sections	s R502.11.1 a	ind					
Vasd=91n Ke=1.00; exterior zc and right i exposed; reactions DOL=1.60 2) This truss chord live 3) * This trus on the bot 3-06-00 tz chord and 4) Bearings a capacity of 6) Provide m bearing pl	(lb) - Maximum Com Tension 1-2=0/30, 2-3=-35/1 2-4=0/0 CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical I 2-C for members and fi shown; Lumber DOL=) has been designed for load nonconcurrent wi as has been designed for tom chord in all areas all by 2-00-00 wide will any other members. are assumed to be: , Jo	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever I left and right orces & MWFRS for 1.60 plate grip r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto pint 2 SP No.2 crush as connections. (by others) of truss to	eft ds. psf ing						~	R	STATE OF SCOT SEV NUM PE-2001	TER Jerung 1018807

June 14,2024

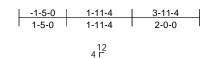
Page: 1



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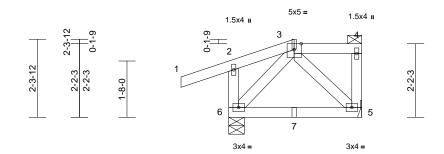
Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J13	Half Hip Girder	3	1	Job Reference (optional)	166262084

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:38 ID:PvRIR2sPBiS6DyMeMF_CTizeDA0-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



NAILED

NAILED 3-11-4



Scale = 1:34.1

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018	8/TPI2014	CSI TC BC WB Matrix-P	0.24 0.18 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 0.00	(loc) 5-6 5-6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 23 lb	GRIP 197/144 FT = 20%
	3-11-4 oc purlins, e 2-0-0 oc purlins: 3-4 Rigid ceiling directly bracing.	, athing directly applie xcept end verticals, a , applied or 10-0-0 oc anical, 6=0-5-8 9) 2 9), 6=-121 (LC 8)	and 9) 10 11	capacity of 5 Refer to gird Provide mec 5 and 121 lb This truss is International R802.10.2 an) Graphical put or the orientat bottom chord) "NAILED" ind per NDS guid	er(s) for truss to tri hanical connectior e capable of withst uplift at joint 6. designed in accord Residential Code nd referenced star rlin representation ation of the purlin a d. dicates Girder: 3-1 delines.	uss conr n (by oth anding 5 dance w sections ndard AN a does no along the 0d (0.14	ections. ers) of truss i i1 lb uplift at j ith the 2018 i R502.11.1 a ISI/TPI 1. ot depict the s e top and/or 8" x 3") toe-I	to ioint ind size nails					
FORCES TOP CHORD BOT CHORD WEBS NOTES	(b) - Maximum Com Tension 1-2=0/35, 2-3=-32/1 4-5=-65/80, 2-6=-22 5-6=-131/81 3-5=-73/151, 3-6=-7 ed roof live loads have	pression/Maximum 22, 3-4=-40/46, 0/319 3/16		of the truss a DAD CASE(S) Dead + Roo Plate Increa Uniform Loo Vert: 1-2	of Live (balanced): ase=1.15 ads (lb/ft) =-70, 2-3=-70, 3-4 ed Loads (lb)	(F) or ba	ck (B). Increase=1.						

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding. This truss has been designed for a 10.0 psf bottom 4)
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

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June 14,2024



Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J14	Jack-Open	25	1	Job Reference (optional)	166262085

3-11-4

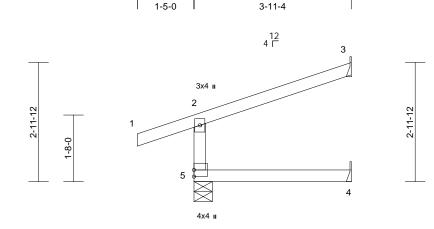
-1-5-0

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:38 ID:08UIE?szVW7IOM5uY1Wz8QzeDBI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







3-11-4

Scale =	1:28.8
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Scale = 1:28.8												
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.02	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.06	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 16 lb	FT = 20%
LUMBER			6) Provide m	echanical connecti	on (by oth	ers) of truss	to					
TOP CHORD	2x4 SP No.2			ate capable of with	standing 9	0 lb uplift at	joint					
BOT CHORD	2x4 SP No.2			b uplift at joint 3.								
WEBS	2x4 SPF No.3			is designed in acco								
BRACING				nal Residential Cod			and					
TOP CHORD	Structural wood she		ed or	and referenced sta	andard Ar	NSI/TPI 1.						
	3-11-4 oc purlins, e			S) Standard								
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	с									
REACTIONS		anical, 4= Mechanica	al,									
	5=0-5-8 Max Horiz 5=82 (LC	0)										
	Max Uplift 3=-66 (LC	,										
	Max Grav 3=107 (LC	,, , , ,	-300									
	(LC 1)	5 1), 4=70 (LO 3), 3	-300									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	2-5=-263/299, 1-2=0)/35, 2-3=-67/31										
BOT CHORD	4-5=0/0											
NOTES												
1) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)										
Vasd=91m	nph; TCDL=6.0psf; BC	DL=6.0psf; h=35ft;										
	Cat. II; Exp C; Enclose											
	ne and C-C Exterior(2		left									The second se
	xposed ; end vertical l										O TE I	APPE
exposed;C	C for members and f	orces & WWFRS for	r								R. OF I	MISS

reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

 Bearings are assumed to be: , Joint 5 SP No.2 crushing capacity of 565 psi.

5) Refer to girder(s) for truss to truss connections.



DEVELOPMENT: SERVICES LEE'S'SUMMIT: MISSOURI 08/20/2024 4:16:49

CTION

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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/TPH Claulity Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J15	Half Hip Girder	2	1	Job Reference (optional)	166262086

2-0-8

2-0-8

-1-5-0

1-5-0

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:38 ID:4I6ZUiA1?jQpVvEEz8BR_izeDQO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2-11-4

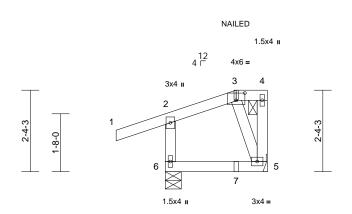
0-10-12

NAILED

2-11-4

Page: 1





Scale = 1:33.2	2
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Plate Offsets (X, Y): [3:0-3-0.0-2-8]

Plate Offsets (X, Y): [3:0-3-0,0-2-8]	-		-						
Loading (psf) TCLL (roof) 25.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Plate Grip DOL1.1Lumber DOL1.1Rep Stress IncrNC	15	CSI TC 0.2 BC 0.0 WB 0.0 Matrix-S 0.0	3 Vert(CT)	in (loc) 0.00 5-6 0.00 5-6 0.00 5-6	>999 >999	L/d 240 180 n/a	MT20	GRIP 197/144 FT = 20%
2-11-4 oc purlins, e 2-0-0 oc purlins: 3-4 BOT CHORD Rigid ceiling directly bracing.	Athing directly applied or xcept end verticals, and applied or 10-0-0 oc unical, 6=0-5-8 C 9) 6 9), 6=-114 (LC 8) C 1), 6=269 (LC 1) upression/Maximum 2, 3-4=-43/47, 7/288 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelope) (E) zone; cantilever left eft and right orces & MWFRS for 1.60 plate grip event water ponding. r a 10.0 psf bottom th any other live loads. or a live load of 20.0psf where a rectangle fit between the bottom	 7) Provide mec bearing plate 5 and 114 lb 8) This truss is International R802.10.2 ai 9) Graphical pu or the orienta bottom chore 10) "NAILED" into per NDS guis 11) Hanger(s) or provided suff design/selec responsibility 12) In the LOAD of the truss ai LOAD CASE(S) 1) Dead + Roo Plate Increas Uniform Loo Vert: 1-2 	dicates Girder: 3-10d (0. delines. other connection device ficient to support concer- tion of such connection of others. CASE(S) section, loads are noted as front (F) or Standard of Live (balanced): Lumb ase=1.15	thers) of truss to 154 lb uplift at join with the 2018 ns R502.11.1 and ANSI/TPI 1. not depict the siz he top and/or 148" x 3") toe-na o(s) shall be trated load(s) . T device(s) is the applied to the fac back (B). er Increase=1.15	l e ils he			STATE OF STA	T.M. HER 018807

June 14,2024

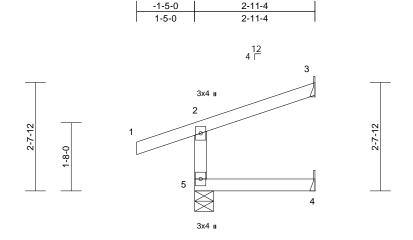


CTION 'IEW DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 08/20/2024 4:16:49

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J16	Jack-Open	4	1	Job Reference (optional)	166262087

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:38 ID:GPHjoSJwP5pFJbaL6yt0x1zeDQD-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





2 - 11 - 4

Scale = 1:28.1												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	0.01	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	0.01	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI201	4 Matrix-R							Weight: 13 lb	FT = 20%
UMBER			6) Provide	e mechanical connecti	on (by oth	ers) of truss	to					
TOP CHORD	2x4 SP No.2		bearing	plate capable of with	standing 8	6 lb uplift at	joint					
BOT CHORD	2x4 SP No.2			I9 lb uplift at joint 3.								
VEBS	2x4 SPF No.3			iss is designed in acco								
BRACING				tional Residential Cod			and					
FOP CHORD	Structural wood she		ed or	0.2 and referenced sta SE(S) Standard	andard AN	ISI/TPI 1.						
	2-11-4 oc purlins, e			Standard								
BOT CHORD	Rigid ceiling directly bracing.	applied of 10-0-0 o	iC .									
REACTIONS	0	anical, 4= Mechanica	al									
	5=0-5-8		ui,									
	Max Horiz 5=72 (LC	9)										
	Max Uplift 3=-49 (LC	C 12), 5=-86 (LC 8)										
	Max Grav 3=68 (LC	1), 4=50 (LC 3), 5=	263									
	(LC 1)											
ORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	Tension 2-5=-232/264, 1-2=0	1/25 2 2 40/25										
BOT CHORD	2-5=-232/204, 1-2=0 4-5=0/0	0/35, 2-3=-40/25										
NOTES	4-3=0/0											
	CE 7-16; Vult=115mph	(3-second quist)										
	nph; TCDL=6.0psf; BC											
	Cat. II; Exp C; Enclose		pe)									
	one and C-C Exterior(2											
	exposed ; end vertical										San	m
	C-C for members and f		r								TEOF	MISS
reactions s	shown; Lumber DOL=	1.60 plate grip								1	9 54	N.O.

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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 5 SP No.2 crushing 4) capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.

PE-2001018807 SIONAL E June 14,2024

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)



SCOTT M.

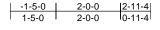
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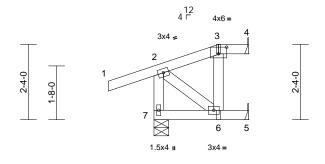
Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	
P240765-01	J18	Half Hip Girder	2	1	Job Reference (optional)	166262088

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:38 ID:B20vsS3NPLsGVEHwG3RjVOzeDLN-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

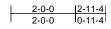
Fage.







NAILED



Scale = 1:35.7

Plate Offsets (X, Y): [3:0-3-0,0-2-8]

BOT CHORD WEBS	(psf) 25.0 10.0 0.0* 10.0 2x4 SP No.2 2x4 SP No.2 2x4 SPF No.3 *Exce	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	,		CSI TC BC WB Matrix-P	0.24 0.16 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.01 -0.01 -0.01	(loc) 6-7 6-7 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
TOP CHORD BOT CHORD WEBS	2x4 SP No.2		,	* This truss ha								Weight: 17 lb	FT = 20%
BOT CHORD REACTIONS (REACTIONS (M M FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalanced this design. 2) Wind: ASCE Vasd=91mp Ke=1.00; Ca exterior zon and right ex exposed;C-1 reactions sh DOL=1.60 3) Provide ade 4) This truss for	2-11-4 oc purlins, ex 2-0-0 oc purlins: 3-4. Rigid ceiling directly bracing. size) $4=$ Mecha 7=0-5-8 Max Horiz $7=64$ (LC Max Uplift $4=-14$ (LC (LC 8) Max Grav $4=31$ (LC (LC 1) (Ib) - Maximum Com Tension 1-2=0/35, 2-3=-35/16 6-7=-132/36, 5-6=0/0 3-6=-49/68, 2-6=-45/ d roof live loads have E 7-16; Vult=115mph bh; TCDL=6.0psf; BCI at. II; Exp C; Enclosed te and C-C Exterior(2 sposed ; end vertical I C for members and for hown; Lumber DOL=1 equate drainage to pro- as been designed for	athing directly applied keept end verticals, ar applied or 10-0-0 oc nical, 5= Mechanical, 9) 8), 5=-26 (LC 9), 7=-1 1), 5=66 (LC 3), 7=26 pression/Maximum 6, 3-4=0/0, 2-7=-220/2 166 been considered for (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelope E) zone; cantilever lef eft and right prces & MWFRS for .60 plate grip event water ponding.	6) or 7) 8) 9) (1 11) 12) 216 LOA 1)	3-06-00 tall by chord and any Bearings are capacity of 5/C Refer to girde Provide mech bearing plate 4, 97 lb uplift This truss is of International I R802.10.2 an Graphical pur or the oriental bottom chord. WALLED" ind per NDS guid In the LOAD of of the truss ar AD CASE(S) Dead + Rooo Plate Increa: Uniform Loa	er(s) for truss to tru- nanical connection capable of withsta at joint 7 and 26 lb designed in accord Residential Code s dreferenced stan- tion of the purlin al citicates Girder: 3-10 lelines. CASE(S) section, Ir en noted as front (f Standard f Live (balanced): se=1.15 ids (lb/ft) =-70, 2-3=-70, 3-4= d Loads (lb)	s where I fit betw Joint 7 S uss conr (by oth anding 1 o uplift a dance w sections dard AN does no long the Dd (0.14 loads a F) or ba	a rectangle veen the bott P No.2 crus ections. ers) of truss 4 lb uplift at t joint 5. th the 2018 R502.11.1 a SI/TPI 1. th depict the top and/or 8" x 3") toe- oplied to the ck (B). Increase=1.	om hing to joint and size nails face				STATE OF I STATE OF I SCOT SEVI PE-2001	MISSOLLE T.M. ER SEENACH 018807
												and a	e 14,2024

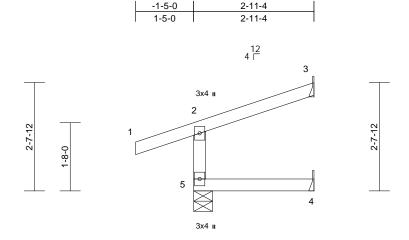
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 oulgase with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPI1 Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

RELEASE IOR ON FLANS REVIEW AS NOTED ON FLANS REVIEW DEVELOPMENT SERVICES LEE'S'SUMMIT'S MISSOURI 08/20/2024 4:16:49

Job	Truss	russ Type Qty Ply Roof - HR Lot 200		Roof - HR Lot 200		
P240765-01	J19	Jack-Open	3	1	Job Reference (optional)	166262089

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:38 ID:_DaUtZtr1j3xIQx89YhGfEzeDOC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





2-11-4

Sca	le =	1:2	8.1
Sca	e =	1:2	8.1

Scale = 1.20.1		1									1	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	0.01	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	0.01	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a	Mainha 40 lh	FT 000/
BCDL	10.0	Code	IRC2018/TPI201	4 Matrix-R							Weight: 13 lb	FT = 20%
UMBER				e mechanical connecti								
TOP CHORD	2x4 SP No.2			plate capable of with I9 lb uplift at joint 3.	istanding 8	6 Ib uplift at	joint					
BOT CHORD WEBS	2x4 SP No.2 2x4 SPF No.3			iss is designed in acco	ordance wi	ith the 2018						
BRACING	2X4 3FF N0.3			tional Residential Cod			and					
TOP CHORD	Structural wood she	athing directly appli	ed or R802.1	0.2 and referenced sta	andard AN	ISI/TPI 1.						
	2-11-4 oc purlins, e			SE(S) Standard								
BOT CHORD	Rigid ceiling directly											
	bracing.											
REACTIONS		anical, 4= Mechanica	al,									
	5=0-5-8											
	Max Horiz 5=72 (LC	/										
	Max Uplift 3=-49 (LC Max Grav 3=68 (LC	<i>,,</i> , , , , , , , , , , , , , , , , , ,	262									
	(LC 1)	1), 4=50 (LC 5), 5=	203									
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	2-5=-232/264, 1-2=0	0/35, 2-3=-48/25										
BOT CHORD	4-5=0/0											
NOTES												
	CE 7-16; Vult=115mph											
	nph; TCDL=6.0psf; BC											
	Cat. II; Exp C; Enclose											
	one and C-C Exterior(2 exposed ; end vertical		ieit								000	an
	C-C for members and f		r								ATE OF	MISCH
	shown; Lumber DOL=										A SE	-0.0 M
										6		N CAN

DOL=1.60

2) 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 5 SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.



June 14,2024



RELEASE IOR CONTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT: SERVICES LEE'S SUMMIT: MISSOURI 08/20/2024 4:16:49

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200		
P240765-01	M01	Monopitch Supported Gable	2	1	Job Reference (optional)	166262090	

4-5-8

4-5-8

-0-11-0

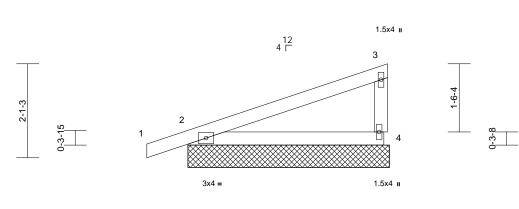
0-11-0

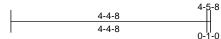
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:38 ID:cquXHAJnb2z8dIhvV3xNnzzeCKV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:25.7

Loading (psf)	Spacing	2-0-0	CSI		DEFL	in (lo	c) I/def	L/d	PLATES	GRIP		
TCLL (roof) 25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	n/a `	- n/a	999	MT20	197/144		
TCDL 10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a	- n/a	999				
BCLL 0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4 n/a	n/a				
BCDL 10.0	Code	IRC2018/TPI2014	Matrix-P						Weight: 16 lb	FT = 20%		
BCDL 10.0 Code IRC2018/TPI2014 Matrix-P Weight: 16 ib FT = 20% LUMBER TOP CHORD 2x4 SP No.2 Bot CHORD 2x4 SP No.3 FT FT												

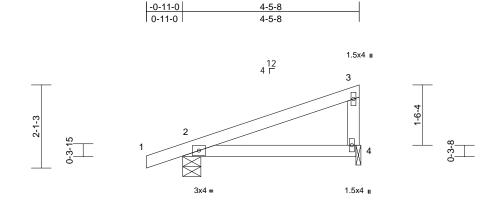
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

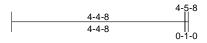


June 14,2024

Job	Truss	Truss Type	Qty	Ply	Roof - HR Lot 200	166262091
P240765-01	M02	Monopitch	7	1	Job Reference (optional)	

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Fri Jun 14 12:32:38 ID:KTzupnDOFu58HEfZb5Jk?VzeCKc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:29.1

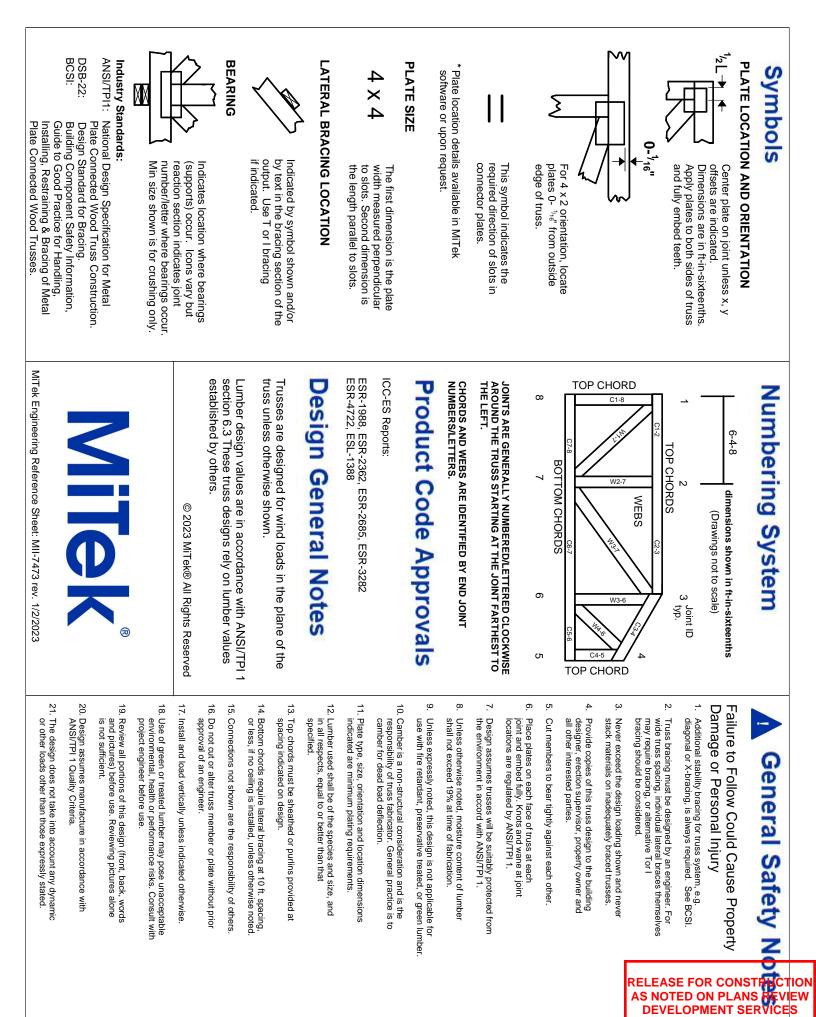
_			i					· · · · · ·						
Loa	ding	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCI	L (roof)	25.0	Plate Grip DOL	1.15		тс	0.37	Vert(LL)	-0.02	2-4	>999	240	MT20	197/144
TCI	DL	10.0	Lumber DOL	1.15		BC	0.22	Vert(CT)	-0.03	2-4	>999	180		
BC	L	0.0*	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BC	DL	10.0	Code	IRC2018	8/TPI2014	Matrix-P							Weight: 16 lb	FT = 20%
LUI	LUMBER 6) Provide mechanical connection (by others) of truss to													
TO	P CHORD	2x4 SP No.2		,	bearing plate	at joint(s) 4.		,						
BO	BOT CHORD 2x4 SP No.2 7) Provide mechanical connection (by others) of truss to													
WE	BS	2x4 SPF No.3				capable of withsta	anding 9	95 lb uplift at	joint					
BR	ACING					plift at joint 4.	_							
то	P CHORD	Structural wood she		dor ⁸⁾		designed in accord Residential Code			and					
		4-6-0 oc purlins, ex				id referenced stan			anu					
BO	T CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	; LC	DAD CASE(S)									
RE	ACTIONS	0	4=0-1-8		(-)									
		Max Horiz 2=76 (LC												
		Max Uplift 2=-95 (LC												
		Max Grav 2=275 (L0	C 1), 4=172 (LC 1)											
FO	RCES	(lb) - Maximum Com	pression/Maximum											
		Tension												
	P CHORD	1-2=0/19, 2-3=-102/	60, 3-4=-132/193											
BO	T CHORD	2-4=-30/33												
NO	TES													
1)		CE 7-16; Vult=115mph												
		nph; TCDL=6.0psf; BC												
		Cat. II; Exp C; Enclose												
		one and C-C Exterior(2		eft										
		exposed ; end vertical l C-C for members and f												
		shown; Lumber DOL=											- martin	TOP
	DOL=1.60		1.00 plate grip										OF I	MISSIN
2)		has been designed for	r a 10.0 psf bottom										TATE OF I	N.O.V
,		load nonconcurrent wi		ds.								A	AV accor	New
3)		s has been designed f		psf								A	5/ 5001	
		tom chord in all areas	0									H.	SEV	
		II by 2-00-00 wide will	fit between the botto	m								Bat		
		any other members.										X.	-715	
4)		are assumed to be: Joi									0	V.A	NUM	REP
capacity of 565 psi, Joint 4 SPF No.3 crushing capacity														

- of 425 psi.
- $\dot{\mbox{Bearing}}$ at joint(s) 4 considers parallel to grain value 5) using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 colleges 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/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)







ASE FOR CONST **OTED ON PLANS** VELOPMENT SER LEE'S SUMMIT, MISSOURI

4:16:49

08/20/2024