

RE: 241107-01JG - The Bundy Residence MiTek, Inc. 16023 Swinalev Ridae Rd. Site Information: Chesterfield, MO 63017 Customer Info: Axis Management Project Name: The Bundy Residence Model: . 314.434.1200 Lot/Block: . Subdivision: . Address: ., . City: Columbia County State: FL Name Address and License # of Structural Engineer of Record, If there is one, for the building. Name: License #: Address: City: State: General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions): Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.8 Wind Code: ASCE 7-22 Wind Speed: 130 mph

Floor Load: N/A psf

This package includes 15 individual, Truss Design Drawings and 0 Additional Drawings. With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T35771444	G01	12/10/24
2 3	T35771445	G02 GE01	12/10/24
3	T35771446 T35771447	GE01 GE02	12/10/24 12/10/24
4 5 6	<u>T35771448</u>	GE03	12/10/24
6 7	T35771449 T35771450	GE04 GE05	12/10/24 12/10/24
8	T35771451	M01	12/10/24
9	<u>T</u> 35771452	M02	12/10/24
10 11	T35771453 T35771454	M03 M04	12/10/24 12/10/24
12	T35771454	M04 M05	12/10/24
13	T35771456	T01	12/10/24
14 15	T35771457 T35771458	T02 T03	12/10/24
10	133771430	105	12/10/24

Roof Load: 40.0 psf

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Coastal Truss & Vinyl Siding.

Truss Design Engineer's Name: Lee, Julius

My license renewal date for the state of Florida is February 28, 2025.

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



Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

December 10,2024

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	G01	Common Girder	1	1	Job Reference (optional)	T35771444

#### Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:52 ID:5sETDArfBFahp1xuM\_WuveyLX56-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:94.5

40-2-0

# Plate Offsets (X, Y): [2:0-3-8,0-2-0], [8:0-2-8,0-3-0], [14:0-2-8,0-3-0], [20:0-3-8,0-2-0], [30:0-4-0,0-4-8], [34:0-4-0,0-4-8]

Loading		(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		20.0	Plate Grip DOL	1.25	ТС	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL		10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL		0.0*	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.01	21	n/a	n/a		
BCDL		10.0	Code	FBC2023/TPI2014	Matrix-S	3						Weight: 338 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	6-0-0 oc j	o.2 o.2 I wood she purlins.	athing directly applied applied or 10-0-0 oc			1=190 (LC 14), 23=175 (LC 14) 25=185 (LC 14) 27=232 (LC 14) 29=227 (LC 14) 31=238 (LC 14) 33=242 (LC 13) 35=227 (LC 13) 37=251 (LC 13)	24=164 (LC 26=232 (LC 28=224 (LC 30=238 (LC 32=237 (LC 34=236 (LC 36=226 (LC	2 14), 2 14), 2 14), 2 14), 2 14), 2 25), 2 13), 2 13),	WEBS		9-34= 6-37= 3-40= 12-31 14-29 16-27 18-25		-131/89, 7-36=-123/8 124/93, 4-39=-204/10 -172/130, =-138/101, =-123/85, =-131/89,
WEBS	1 Row at		11-32, 10-33, 9-34, 8-3	35,		39=535 (LC 1), 41=484 (LC 13)	40=455 (LC	1),	NOTES				
			12-31, 13-30, 14-29	FORCES		· · ·		_	,			ive loads have b	een considered for
REACTIONS	(size)		21=40-2-0, 23=40-2-0		(ID) - Maxi Tension	mum Compressi	on/iviaximum	1		design.		; Vult=130mph (	0
	Max Horiz Max Uplift	27=40-2-0 30=40-2-0 33=40-2-0 39=40-2-0 1=-356 (L 1=-77 (LC 23=-72 (L 27=-71 (L 27=-71 (L 29=-69 (L 31=-55 (L 34=-81 (L 38=-135 (	$\begin{array}{l} \begin{array}{l} \begin{array}{l} 25 = 40 \cdot 2 \cdot 0, \ 26 = 40 \cdot 2 \cdot 0, \ 28 = 40 \cdot 2 \cdot 0, \ 29 = 40 \cdot 2 \cdot 0, \ 31 = 40 \cdot 2 \cdot 0, \ 32 = 40 \cdot 2 \cdot 0, \ 31 = 40 \cdot 2 \cdot 0, \ 32 = 40 \cdot 2 \cdot 0, \ 37 = 40 \cdot 2 \cdot 0, \ 35 = 40 \cdot 2 \cdot 0, \ 37 = 40 \cdot 2 \cdot 0, \ 41 = -181 \cdot (LC \cdot 8), \ 41 = -181 \cdot (LC \cdot 8) \end{array}$	0, TOP CHORD 0, 0, 0, 0, 0 0 BOT CHORD	$\begin{array}{c} 1\text{-}2\text{=-}264/2\\ 4\text{-}5\text{=-}199/'\\ 7\text{-}9\text{=-}140/'\\ 10\text{-}11\text{=-}89\\ 12\text{-}13\text{=-}59\\ 15\text{-}16\text{=-}67\\ 18\text{-}19\text{=-}11\\ 20\text{-}21\text{=-}20\\ 1\text{-}41\text{=-}129\\ 39\text{-}40\text{=-}12\\ 37\text{-}38\text{=-}12\\ 37\text{-}38\text{=-}12\\ 37\text{-}38\text{=-}12\\ 32\text{-}33\text{=-}12\\ 29\text{-}31\text{=-}13\\ 27\text{-}28\text{=-}12\\ 25\text{-}26\text{=-}12\end{array}$	265, 2-3=-227/22 187, 5-6=-176/16 184, 9-10=-104/2 //293, 11-12=-76 //245, 13-15=-51. /78, 16-17=-82/6 1/102, 19-20=-1 18/148, 21-22=0/. //229, 40-41=-12 19/229, 36-37=-1 19/229, 36-37=-1 19/229, 36-35=-1 19/230, 31-32=-1 10/231, 28-29=-1 18/229, 24-25=-1 18/229, 24-25=-1	8, 6-7=-159/ 1/45, 1/293, 1/84, 1/1, 17-18=-9/ 45/117, 24 29/229, 29/229, 29/229, 29/229, 29/231, 29/230, 28/229, 28/229, 28/229,	/147,	Vas B=6	d=101n 60ft; L=5	nph; T0 50ft; ea	CDL=5.0psf; BCl ve=2ft; Cat. II; E nal); cantilever le	DL=5.0psf; h=30ft; xp C; Enclosed;

minin Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

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December 10,2024

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Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	G01	Common Girder	1	1	Job Reference (optional)	T35771444

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 (||) MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 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 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) All bearings are assumed to be SP No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 1, 55 lb uplift at joint 33, 81 lb uplift at joint 34, 70 lb uplift at joint 35, 67 lb uplift at joint 36, 62 lb uplift at joint 37, 135 lb uplift at joint 38, 157 lb uplift at joint 39, 139 lb uplift at joint 40, 181 lb uplift at joint 41, 55 lb uplift at joint 31, 81 lb uplift at joint 30, 69 lb uplift at joint 29, 64 lb uplift at joint 23, 71 lb uplift at joint 27, 70 lb uplift at joint 26, 69 lb uplift at joint 25, 62 lb uplift at joint 24, 72 lb uplift at joint 23 and 19 lb uplift at joint 21.
- 12) Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-7-4 from the left end to 5-7-4 to connect truss(es) to front face of bottom chord.
- 13) Fill all nail holes where hanger is in contact with lumber.
- 14) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.
- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s). The design/selection of such connection device(s) is the responsibility of others.
- 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=1.25, Plate Increase=1.25 Uniform Loads (lb/ft)

Vert: 1-11=-60, 11-22=-60, 1-21=-20

Concentrated Loads (lb)

Vert: 42=-42 (F), 43=-102 (F), 44=-253 (F), 45=-253 (F), 46=-253 (F), 48=-355 (F), 49=-68 (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 in to 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 buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing
 is always required for stability and to prevent buckling of trusses and truss systems, see **ANSI/TPI Quality** Criteria and DSR-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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Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	G02	Monopitch Girder	1	1	Job Reference (optional)	T35771445

4-4-11

Coastal Truss & amp; Vinyl Siding, Patterson, GA - 31577,

Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:54 ID:czPqKimOTj1yomM1raxnUayLX7n-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Scale = 1:31.8

consider lateral forces.

00010 - 1.01.0												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.02	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.05	3-4	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2	014 Matrix-P							Weight: 28 lb	FT = 20%
LUMBER TOP CHORD SOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x6 SP No.2 2x4 SP No.2 Structural wood she 10-0-0 oc purlins, e Rigid ceiling directly bracing. (size) 3=0-5-8, 4 Max Horiz 4=119 (LC Max Uplift 3=-208 (L	athing directly applie xcept end verticals. applied or 10-0-0 or 4=0-5-8 C 5) C 5), 4=-138 (LC 4)	7) Use 5 Truss 7-5-4 front 8) Fill al ed or 9) In the of the c LOAD C/ 1) Dea Plat Unif V	Simpson Strong-Tie HU ) or equivalent spaced from the left end to 9-5 iace of bottom chord. I nail holes where hang LOAD CASE(S) section truss are noted as fror ASE(S) Standard d + Roof Live (balancer e Increase=1.25 orm Loads (lb/ft) ert: 1-2=-60, 3-4=-20	at 2-Ò-0 oc i-4 to conn er is in cor on, loads a nt (F) or ba	e max. startin ect truss(es) ntact with lum oplied to the ck (B).	ng at to hber. face				Weight. 2010	11-200
	Max Grav 3=592 (LC	C 1), 4=466 (LC 1)		centrated Loads (lb)								
FORCES	(lb) - Maximum Com Tension	pression/Maximum	V	ert: 5=-360 (F), 6=-370	(F)							
TOP CHORD	1-2=-62/38, 2-3=-12	3/58, 1-4=-123/63										
BOT CHORD	3-4=-112/55	,										
WEBS	1-3=-44/78											
NOTES												11.
Vasd=101 B=60ft; L= MWFRS ( end vertica plate grip I 2) Building D verifying a requireme: 3) This truss chord live 4) * This truss 0 on the bott 3-06-00 ta chord and	esigner / Project engir pplied roof live load sh nts specific to the use has been designed foi load nonconcurrent wi s has been designed f tom chord in all areas II by 1-00-00 wide will any other members.	CDL=5.0psf; h=30ft; Exp C; Enclosed; left and right exposed; left and right exposed; d; Lumber DOL=1.3 neer responsible for nown covers rain loa of this truss compor 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	ed ; 33 Iding hent. ds. Dpsf							A CAR	NO 34	
6) H10A Sim connect tru and 4. This	gs are assumed to be s pson Strong-Tie conne uss to bearing walls du s connection is for upli	ectors recommended ue to UPLIFT at jt(s)	3						N 1	liTek In	ee PE No. 34869 nc. DBA MiTek US vingley Ridge Rd. (	A FL Cert 6634 Chesterfield, MO 63017

December 10,2024



Date:

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	GE01	Common Supported Gable	2	1	Job Reference (optional)	T35771446

Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:54 ID:CfF7HUxAA0ozTvRjgWB32XyLX7Z-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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24-4-0

Scale = 1:64.9

## Plate Offsets (X, Y): [2:0-1-12,0-0-5], [3:0-3-0,0-2-4], [13:0-3-0,0-2-4], [14:0-1-12,0-0-13], [23:0-2-0,0-1-4]

Loading TCLL (roof) TCDL BCLL		(psf) 20.0 10.0 0.0*	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES		CSI TC BC WB	0.12 0.05 0.14	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL		10.0	Code		23/TPI2014	Matrix-S	0.14	11012(01)	0.00	14	n/a	n/a	Weight: 151 lb	FT = 20%
LUMBER FOP CHORD SOT CHORD DTHERS BRACING FOP CHORD BOT CHORD REACTIONS	2x4 SP N 2x4 SP N Structura 6-0-0 oc Rigid ceil bracing.	lo.2 lo.2 Il wood shea purlins. ling directly 2=24-4-0,	athing directly applie applied or 10-0-0 oc 14=24-4-0, 16=24-4 ), 18=24-4-0, 19=24	ed or V	/EBS	2-27=-70/144, 26- 25-26=-74/158, 24 22-24=-74/158, 12 18-19=-74/158, 17 16-17=-74/158, 14 8-21=-157/42, 7-2 6-24=-132/120, 3- 9-20=-138/114, 10 11-18=-129/116, 1	-25=-74, -22=-74, -20=-74, -18=-74, -16=-57, 2=-140/1 25=-129, 27=-135, -19=-13	(158, (158, (158, (158, (158, (144 (144 (14, (116, (109, D/121,		on 3-( ch 10) All 11) Sc joi 12) Pr be 2, at	the botto 06-00 tall ord and a bearings lid block nt(s), 2. ovide me aring pla 62 lb upl joint 24,	om cho by 1-0 any oth s are as ing is re chanic te capa ift at joi 68 lb u	rd in all areas wh 0-00 wide will fit er members, with ssumed to be SP equired on both s al connection (by able of withstandi in 14, 66 lb uplift plift at joint 25, 73	between the bottom n BCDL = 10.0psf. No.2. ides of the truss at r others) of truss to ng 62 lb uplift at joint at joint 22, 73 lb uplif 3 lb uplift at joint 26,
	Max Uplift	24=24-4-C 27=24-4-C 2=-223 (LC 16=-57 (L 18=-68 (L 20=-66 (L 24=-73 (L 26=-73 (L 26=-73 (L 26=-73 (L 26=-73 (L 26=-237 (L 20=237 (L 20=237 (L	C 8) :10), 14=-62 (LC 10 C 10), 17=-73 (LC 1 C 10), 19=-73 (LC 1 C 10), 22=-66 (LC 1 C 10), 25=-68 (LC 1 C 10), 27=-57 (LC 1 C 16), 14=191 (LC 1) .C 16), 19=234 (LC .C 16), 21=213 (LC .C 15), 24=228 (LC .C 15), 26=168 (LC	-4-0, <b>N</b> ), 2) 0), 2) 0), 0), 0), 0), 0), 16), 3) 16), 3) 15),	OTES ) Unbalanced this design. ) Wind: ASCI Vasd=101m B=60ft; L=5 MWFRS (di left and righ exposed;C- reactions sh DOL=1.33 ) Truss desig only. For st see Standa or consult q ) Building De	13-16=-135/109 d roof live loads have E 7-22; Vult=130mp ph; TCDL=5.0psf; Oft; eave=2ft; Cat. rectional) and C-C t exposed ; end ve C for members and c for members and town; Lumber DOL ned for wind loads ruds exposed to wir rd Industry Gable E ualified building de signer / Project eng	bh (3-sec BCDL=5 II; Exp C Zone3 z rtical left f forces a =1.33 pl in the pl in the pl in d peta signer as gineer re	cond gust) .0psf; h=30ft; Senclosed; one; cantileve and right & MWFRS for ate grip ane of the trus al to the face) ils as applicat s per ANS/TF sponsible for	er SS S Dle, Pl 1.	joi 57 <b>LOAD</b>	nt 19, 68 Ib uplift CASE(S	Ib uplif at joint b) Sta	t at joint 18, 73 lk 16.	joint 20, 73 lb uplift a puplift at joint 17 and
FORCES TOP CHORD	(lb) - Maximum Compression/Maximum Tension			177, 6	<ul> <li>requirement</li> <li>All plates ar indicated.</li> <li>Gable requi</li> <li>Gable studs</li> <li>This truss h</li> </ul>	plied roof live load ts specific to the us re 1.5x4 (  ) MT20 res continuous bot s spaced at 2-0-0 o as been designed pad nonconcurrent	e of this unless o tom chor c. for a 10.0	truss compor therwise d bearing. ) psf bottom	ient.		J M 1	ulius Le fiTek In	PE No. 34869 to. DBA MiTek US/	

December 10,2024



Date:

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	GE02	Common Supported Gable	1	1	Job Reference (optional)	T35771447

#### Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:54 ID:GulwGg9udkOnTH4xWW\_W5cyLX6?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:94.5		H			40-2-0	)						
	(X, Y): [2:0-3-8,0-2-0	0], [8:0-2-8,0-3-0], [14:0	0-2-8,0-3-0], [20:0-3-8,	0-2-0], [30:0-4-0	,0-4-8], [34:0	-4-0,0-4-8]						
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 338 lb	FT = 20%
UMBER				Max Grav 1=1	57 (LC 9), 2 <sup>,</sup>	=188 (LC 1	).	WEBS		11-32	2=-267/108, 10-33	8=-139/100.
TOP CHORD	2x4 SP No.2				175 (LC 16),	· ·	<i>,</i> ,				-136/131, 8-35=-	,
BOT CHORD	2x6 SP No.2			25=	185 (LC 16),	26=232 (LC	C 16),			7-36=	-124/110, 6-37=-	131/119,
OTHERS	2x4 SP No.2			27=	232 (LC 16),	28=224 (LC	C 16),			5-38=	-135/121, 4-39=-	114/135,
BRACING				29=	227 (LC 16),	30=238 (LC	C 16),			3-40=	-431/320, 2-41=-2	252/238,
TOP CHORD	Structural wood sh	neathing directly applie	d or	31=238 (LC 16), 32=237 (LC 28), 12-31=-134/100, 13-30=-138/131,								
	6-0-0 oc purlins.	······································			242 (LC 15),	· · ·	,,				=-130/116, 15-28	
BOT CHORD	Rigid ceiling direct	tly applied or 10-0-0 oc	;		227 (LC 15),						′=-132/118, 17-26	
	bracing.	<i>,</i>			231 (LC 15),	· · ·	,,				5=-130/117, 19-24	=-126/104,
WEBS	1 Row at midpt	11-32, 10-33, 9-34,	8-35,		162 (LC 15),	40=470 (LC	; 1),			20-23	8=-143/133	
		12-31, 13-30, 14-29			302 (LC 15)			NOTE	-			
REACTIONS	(size) 1=40-2-	0, 21=40-2-0, 23=40-2	P-0, FORCES	(lb) - Maximum	o Compressio	on/Maximum	า	/ -			ive loads have be	en considered for
	24=40-2	2-0, 25=40-2-0, 26=40-	-2-0,	Tension			1000		s design			
	27=40-2	2-0, 28=40-2-0, 29=40-	-2-0, TOP CHORD	1-2=-282/267,		,	,				; Vult=130mph (3	
		2-0, 31=40-2-0, 32=40-	- /	4-5=-196/189, 7-9=-140/228,			/147,					L=5.0psf; h=30ft;
		2-0, 34=40-2-0, 35=40-	- /	10-11=-220/36							ve=2ft; Cat. II; Ex	
		2-0, 37=40-2-0, 38=40-	,	12-13=-184/30					· ·		,	e3 zone; cantilever
		2-0, 40=40-2-0, 41=40-	-2-0	15-16=-67/96,	,	,	6/82				sed ; end vertical	es & MWFRS for
	Max Horiz 1=-356			18-19=-122/10			0,02,		,		Lumber DOL=1.3	
	Max Uplift 1=-100	(LC 8), 21=-19 (LC 27)	),	20-21=-259/16					10110113 3 11 –1 33	,	Lumber DOL-1.5	o plato grip

20-21=-259/163, 21-22=0/24

1-41=-141/284, 40-41=-141/284,

39-40=-141/284, 38-39=-141/284,

37-38=-141/284, 36-37=-141/284,

35-36=-141/284, 33-35=-143/286,

32-33=-142/285, 31-32=-142/285,

29-31=-143/286, 28-29=-141/284,

27-28=-141/284, 26-27=-141/284,

25-26=-141/284, 24-25=-141/284,

23-24=-141/284, 21-23=-141/284

DOL=1.33

## December 10,2024

Page: 1

23=-72 (LC 10), 24=-62 (LC 28),

25=-69 (LC 28), 26=-70 (LC 10),

27=-71 (LC 10), 28=-64 (LC 28),

29=-69 (LC 10), 30=-81 (LC 28),

31=-55 (LC 10), 33=-55 (LC 10),

34=-81 (LC 10), 35=-69 (LC 28),

36=-65 (LC 10), 37=-72 (LC 28),

38=-74 (LC 10), 39=-88 (LC 28),

40=-293 (LC 10), 41=-188 (LC 10)

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. WARNING - verify design parameters and READ NOTES ON THIS AND INCLOSED INTERNETING TO THE REFERENCE FOR UNITY TO THE INSTANCE OF THE ADDRESS OF THE ADDRESS

BOT CHORD

16023 Swingley Ridge Rd. Chesterfield MO 63017 314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty Ply T		The Bundy Residence	
241107-01JG	GE02	Common Supported Gable	1	1	Job Reference (optional)	T35771447

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 (||) MT20 unless otherwise indicated. 5)
- Gable requires continuous bottom chord bearing. 6)
- Gable studs spaced at 2-0-0 oc. 7)
- This truss has been designed for a 10.0 psf bottom 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 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) All bearings are assumed to be SP No.2.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 1, 55 lb uplift at joint 33, 81 lb uplift at joint 34, 69 lb uplift at joint 35, 65 lb uplift at joint 36, 72 lb uplift at joint 37, 74 lb uplift at joint 38, 88 lb uplift at joint 39, 293 lb uplift at joint 40, 188 lb uplift at joint 41, 55 lb uplift at joint 31, 81 lb uplift at joint 30, 69 lb uplift at joint 29, 64 lb uplift at joint 28, 71 lb uplift at joint 27, 70 lb uplift at joint 26, 69 Ib uplift at joint 25, 62 lb uplift at joint 24, 72 lb uplift at joint 23 and 19 lb uplift at joint 21.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 452 Ib down and 344 lb up at 3-7-9 on top chord. The design/selection of such connection device(s) is the responsibility of others.

# LOAD CASE(S) Standard

Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (lb/ft)

Vert: 1-11=-60, 11-22=-60, 1-21=-20 Concentrated Loads (lb) Vert: 42=-372

Run: 8.83 S. Nov. 8 2024 Print: 8.830 S.Nov. 8 2024 MiTek Industries. Inc. Tue Dec 10 05:09:54 ID:GulwGg9udkOnTH4xWW\_W5cyLX6?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2



🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. WARNING - verify design parameters and READ NOTES ON THIS AND INCLOSED INTERNETING TO THE REFERENCE FOR UNITY TO THE INSTANCE OF THE ADDRESS OF THE ADDRESS

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	GE03	Jack-Open Supported Gable	2	1	Job Reference (optional)	T35771448

Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:55 ID:dbZOIa?NR2tU1R9ep?mic4yLX6B-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



C?f



8-0-0

Scale = 1:38.6

# Plate Offsets (X, Y): [5:0-3-11,Edge], [6:0-0-4,Edge], [8:0-4-0,0-0-13]

exposed;C-C for members and forces & MWFRS for

reactions shown; Lumber DOL=1.33 plate grip

DOL=1.33

	, , , , , [0.0 0 11,Eugo	], [0:0 0 1,⊏dg0], [0:0	5 1 0,0 0	10]	1							1	
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25		TC	0.28	Vert(LL)	-0.01	2-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25		BC	0.13	Vert(CT)	-0.02	2-10	>999	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.10	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	FBC20	23/TPI2014	Matrix-P		. ,					Weight: 48 lb	FT = 20%
LUMBER			3	Truss desigr	ned for wind loads	s in the pla	ane of the tru	ISS					
TOP CHORD	2x4 SP No.2			only. For stu	uds exposed to w	ind (norm	al to the face	e),					
BOT CHORD	2x4 SP No.2			see Standar	d Industry Gable	End Deta	ils as applica	ıble,					
NEBS	2x4 SP No.2				alified building de								
OTHERS	2x4 SP No.2		4		igner / Project en								
BRACING					lied roof live load								
TOP CHORD	Structural wood she	athing directly applie	d or		s specific to the u		truss compo	nent.					
	6-0-0 oc purlins, ex		5		spaced at 2-0-0 of								
BOT CHORD	Rigid ceiling directly		6		as been designed								
	bracing.				ad nonconcurrent								
REACTIONS		5=5-10-11, 6=5-10-1	1, 7		has been designe			upst					
	( )	, 8=8-0-0, 9=8-0-0,	,		m chord in all are								
	10=8-0-0	, , ,			oy 1-00-00 wide v		leen the bott	om					
	Max Horiz 2=162 (LC	C 10)	0		ny other members		0						
	Max Uplift 2=-98 (LC	(LC 10), 5=-99 (LC 10),	8	0	are assumed to b								
	6=-138 (L	C 10), 7=-26 (LC 10)	), 9		hanical connection								
		: 10), 10=-74 (LC 10)			e capable of withs uplift at joint 6.	stanuing 2	o in uplint at	joint					
	Max Grav 2=228 (LC	C 1), 5=196 (LC 1), 6	=208 1		Simpson Strong-T		otore						11.2
	(LC 1), 7=	46 (LC 1), 8=37 (LC	3),	,	ed to connect trus			to					1111
	9=73 (LC	1), 10=304 (LC 1)			(s) 5, 10, and 9. T							11. ULIUS	LEFT
ORCES	(lb) - Maximum Com	pression/Maximum			es not consider la			ipiin			1	CE	1.1.1
	Tension		1		n Strong-Tie con			to			5	No 34	S
OP CHORD	1-2=0/18, 2-3=-301/2	84, 3-4=-170/36,			s to bearing walls						5	1 S	1 N N N
	4-5=-137/39, 5-6=-2	8/27, 6-7=-31/9,			tion is for uplift or							No 34	869 🧯 💈
	5-8=-7/30			lateral forces						-	*		★ =
BOT CHORD	2-10=-125/30, 9-10=	-125/30, 8-9=-126/3	1 1		e or shim require	d to provi	de full bearin	a		-		/ 🔸	
NEBS	3-10=-228/494, 4-9=	-45/111, 6-8=-162/3	9		truss chord at join			5		-	-	to At 7	
OTES			1		Irlin representatio			size			- 6		Val Minis
) Unbalance	ed roof live loads have	been considered for		or the orient	ation of the purlin	along the	top and/or				=5	werva	
this design				bottom chore	d.		-				-X		25.40
	CE 7-22; Vult=130mph	(3-second gust)	1	4) Gap betwee	n inside of top ch	ord bearir	ng and first				(-)	COR.	GA
	mph; TCDL=5.0psf; B			diagonal or v	vertical web shall	not excee	ed 0.500in.					SIO	ENIN
B=60ft; L=	50ft; eave=2ft; Cat. II;	Exp C; Enclosed;	1	5) H16 Hurrica	ne tie must wrap	around th	e underside (	of				UNA	L
MWFRS (	directional) and C-C Zo	one3 zone; cantileve	r	the wall plate	es. For trusses b	etween 3	12 and 7:12						III.
left and rig	ht exposed ; end verti	cal left and right		slope.								ee PE No. 34869	
					- · ·						COT I. T.	DDA MTL LIC	A TT C + (CA)

LOAD CASE(S) Standard

Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

December 10,2024



Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	GE04	Jack-Partial Supported Gable	1	1	Job Reference (optional)	T35771449

-1-4-0

#### Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:55 ID:ZReI1dcl\_Dr0BWjUxGCCJKyLX6h-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



. ugi



<u> </u>			-
Scale	= 1	1:41	.7

9-10-0

## Plate Offsets (X, Y): [7:0-3-11,Edge], [8:0-0-4,Edge], [10:0-4-0,0-0-13]

Loading	(psf			0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.					TC	0.62	Vert(LL)	-0.01	2-13	>999	240	MT20	244/190
TCDL	10.0					BC	0.10	Vert(CT)	-0.01	2-13	>999	180		
BCLL	0.0		Incr YE	S		WB	0.10	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	FE	3C202	3/TPI2014	Matrix-S							Weight: 60 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2	sheathing directl	y applied or	2)	Vasd=101m B=60ft; L=50 MWFRS (dir left and right exposed;C-0 reactions sho DOL=1.33	7-22; Vult=130r ph; TCDL=5.0ps )ft; eave=2ft; Cat ectional) and C- exposed ; end v C for members a own; Lumber DC	f; BCDL=5 t. II; Exp C C Zone3 z vertical left nd forces & DL=1.33 pla	.0psf; h=30ft; ; Enclosed; one; cantileve and right & MWFRS for ate grip	er	dia 15) H16	gonal or 6 Hurrica wall pla be.	vertica ane tie tes. Fo	or trusses betwee	
BOT CHORD				3)	only. For stu	ned for wind load uds exposed to v d Industry Gable	vind (norm	al to the face	),					
	10=9- 13=9- Max Horiz 2=212 Max Uplift 2=-89 8=-34 12=-3 Max Grav 2=224 (LC 1) 1), 12	2 (LC 10) (LC 10), 7=-68 ( 7 (LC 10), 11=-7 8 (LC 6), 13=-66 4 (LC 1), 7=112 ( 1, 10=43 (LC 10), =107 (LC 1), 13=	LC 6), 4 (LC 10), (LC 10) LC 1), 8=380, 11=181 (LC -284 (LC 1)		or consult qu Building Des verifying app requirements Gable studs This truss ha chord live loa * This truss h on the bottor	a industry Gaussian alified building of igner / Project e lied roof live loa s specific to the i spaced at 2-0-0 as been designer ad nonconcurrer nas been design n chord in all are y 1-00-00 wide	designer as ngineer read d shown couse of this oc. d for a 10.0 ht with any ed for a liv eas where	s per ANSI/TF sponsible for overs rain loa truss compor ) psf bottom other live loa e load of 20.0 a rectangle	PI 1. Iding hent. ds. Dpsf				No 34	
FORCES	(lb) - Maximum ( Tension	Compression/Ma	ximum	0)		ny other member		0				SIL	CEN	VSA.
TOP CHORD		-128/25, 7-8=-1		8) 9)	Provide mec	are assumed to hanical connecti e capable of with	ion (by oth	ers) of truss t				*	No 34	869
BOT CHORD	2-13=-149/14, 12 11-12=-149/14,			10	) One H2.5A S	Simpson Strong- ed to connect tru			to			-		
WEBS	6-11=-132/303, 5 3-13=-205/396, 5				UPLIFT at jt	(s) 7, 11, 12, and d does not cons	d 13. This d	connection is				RO	. Falle	
NOTES 1) Unbalance this design	ed roof live loads h n.	ave been consid	ered for		connect trus This connect lateral forces Beveled plat	n Strong-Tie cor s to bearing wall tion is for uplift o s. e or shim require	ls due to U Inly and do ed to provi	PLIFT at jt(s) es not consid de full bearing	2. Ier			THE REAL	OR ONA	LENGHUI

Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

December 10,2024



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bottom chord.

surface with truss chord at joint(s) 7, 8.

13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	GE05	Jack-Partial Supported Gable	1	1	Job Reference (optional)	T35771450

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	9-10-0	
Scale = 1:33.5		1
Plate Offsets (X, Y): [2:0-1-4,0-2-2], [2:0-0-12,0-1-12]		

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25		TC	0.60	Vert(LL)	-0.03	2-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25		BC	0.27	Vert(CT)	-0.07	2-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.14	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC20	23/TPI2014	Matrix-S							Weight: 39 lb	FT = 20%
UMBER OP CHORD OT CHORD VEBS DTHERS RACING OP CHORD	6-0-0 oc purlins, ex	eathing directly applie ccept end verticals. / applied or 10-0-0 0		verifying app requirement Gable studs This truss ha chord live lo * This truss on the botto 3-06-00 tall	signer / Project el blied roof live loars s specific to the u spaced at 2-0-0 as been designer ad nonconcurren has been designer m chord in all are by 1-00-00 wide	d shown c use of this oc. d for a 10.0 it with any ed for a liv eas where will fit betw	overs rain loa truss compo ) psf bottom other live loa e load of 20. a rectangle	ading nent. ads. 0psf					
	6=9-10-0 Max Horiz 2=110 (L Max Uplift 2=-125 (I 7=-13 (L0 Max Grav 2=282 (L (LC 3), 7	LC 10), 5=-31 (LC 10 C 3), 8=-121 (LC 10) C 1), 5=68 (LC 1), 6= =-1 (LC 7), 8=485 (L0	9), =49 <sup>1</sup>	<ul> <li>Bearings are</li> <li>Refer to gird</li> <li>Provide med</li> <li>bearing plate</li> <li>5.</li> <li>H16 Simpso</li> <li>connect trus</li> </ul>	ny other member a assumed to be: ler(s) for truss to chanical connecti e capable of with n Strong-Tie con s to bearing wall tion is for uplift o	, Joint 8 S truss conr on (by oth standing 3 nectors re s due to U	ections. ers) of truss 1 lb uplift at commended PLIFT at jt(s	joint to ) 2.					
ORCES	(lb) - Maximum Cor Tension	npression/Maximum		lateral forces	З.	•						mm	11111
TOP CHORD	1-2=0/18, 2-3=-119 4-5=-49/64, 5-6=0/0 2-8=-38/64, 7-8=-38	)	1	recommend UPLIFT at jt	Simpson Strong- ed to connect tru (s) 7 and 8. This t consider lateral	ss to bear connectio	ng walls due				S. MAR	No 34	LEE
EBS	4-7=-8/34, 3-8=-344	1/649	1		n inside of top ch		and first				5	× 1	
DTES					vertical web shall						: ;	No 34	869
Vasd=101 B=60ft; L=	CE 7-22; Vult=130mpl mph; TCDL=5.0psf; E 50ft; eave=2ft; Cat. II	CDL=5.0psf; h=30ft; ; Exp C; Enclosed;		<ol> <li>H16 Hurrica the wall plat slope.</li> </ol>	ne tie must wrap es. For trusses t	around th	e underside	of			The second secon		
left and rig exposed;C	directional) and C-C Z ght exposed ; end vert C-C for members and	ical left and right forces & MWFRS for	_	OAD CASE(S)	Standard						K		DALLE

DOL=1.33 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

reactions shown; Lumber DOL=1.33 plate grip

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December 10,2024

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MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

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Julius Lee PE No. 34869

Date:

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	M01	Monopitch	16	1	Job Reference (optional)	T35771451

#### Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:55 ID:zv7ljCiVP4C?zvm76r0gm7yLXKn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4x8 =

Page: 1



Scale = 1:38.6		

8-5-8

3x4 =

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

					1							1	
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25		TC	0.33	Vert(LL)	-0.25	2-8	>398	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25		BC	0.69	Vert(CT)	-0.50	2-8	>199	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.29	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	FBC2	023/TPI2014	Matrix-P							Weight: 51 lb	FT = 20%
	2x4 SP DSS *Excep 2x4 SP No.1 2x4 SP No.2 Structural wood she 4-11-12 oc purlins, Rigid ceiling directly bracing. (size) 2=0-3-8, 8 Max Horiz 2=174 (LC Max Uplift 2=-86 (LC	athing directly appli except end verticals applied or 10-0-0 or 3=0-5-8 C 10) C 6), 8=-410 (LC 10)	ed or 5. c	<ul> <li>on the bottor 3-06-00 tall b chord and ar</li> <li>All bearings</li> <li>H10A Simps connect trus and 2. This c consider late</li> <li>Graphical pu</li> </ul>	urlin representat ation of the purl d.	reas where will fit betw ers. be SP No. connectors i lls due to U r uplift only ion does no	a rectangle veen the both 1. recommende PLIFT at jt(s and does no ot depict the	tom ed to ) 8 ot					
FORCES	Max Grav 2=323 (LC (lb) - Maximum Com	,, , ,											
TOP CHORD BOT CHORD WEBS	Tension 1-2=0/18, 2-3=-603/ 5-6=-1226/420, 6-7= 2-8=-73/336 6-8=-518/1388, 3-8=	-32/0, 5-8=-208/195	5									IN ULIUS	
this design	ed roof live loads have n. CE 7-22; Vult=130mph		r								S. S		869

2) Vasd=101mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=60ft; L=50ft; eave=6ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Zone3 -1-4-0 to 3-8-0, Zone1 3-8-0 to 8-10-11, Zone3 8-10-11 to 13-10-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

Building Designer / Project engineer responsible for 3) verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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



Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

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Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	M02	Monopitch	30	1	Job Reference (optional)	T35771452

Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:56 ID:n9oa?ZKd0Mz2wXdP\_cUBhlyLXMY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





	5-6-8	10-3-8
	5-6-8	4-9-0
Scale = 1:42.9		

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

					1								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25		TC	0.57	Vert(LL)	-0.03	2-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25		BC	0.32	Vert(CT)	-0.07	2-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.35	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	FBC202	3/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%
LUMBER TOP CHORE BOT CHORE WEBS BRACING TOP CHORE BOT CHORE REACTIONS	<ul> <li>2x4 SP No.2</li> <li>2x4 SP No.2</li> <li>Structural wood she 4-5-15 oc purlins, e</li> <li>Rigid ceiling directly bracing.</li> </ul>	athing directly appli xcept end verticals. applied or 10-0-0 o 3=0-5-8 C 10) S 6), 8=-520 (LC 10)	c 8)	on the botton 3-06-00 tall I chord and a All bearings H10A Simps connect trus and 2. This of consider late Graphical pu	Irlin representat ation of the purli d.	eas where will fit betw ers. be SP No. onnectors i lls due to U r uplift only ion does no	a rectangle veen the bott 2 . recommende PLIFT at jt(s and does no ot depict the	tom ed to ) 8 ot				<u>.</u>	
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD		, ,	7										
BOT CHORD												annu.	111.
WEBS	3-9=0/240, 3-8=-830	/722, 6-8=-693/163	8									1111115	1
NOTES												JULIOU	-EE "1,
this desig 2) Wind: AS Vasd=10 B=60ft; L MWFRS Zone1 3-	ced roof live loads have gn. GCE 7-22; Vult=130mph 1mph; TCDL=5.0psf; Br =50ft; eave=6ft; Cat. II; (directional) and C-C Zr 8-0 to 12-1-3, Zone3 12 r left and right exposed	(3-second gust) CDL=5.0psf; h=30ft; Exp C; Enclosed; one3 -1-4-0 to 3-8-0 2-1-3 to 17-1-3 zone	, ,								WW * PR	JULIUS	869 * H

- right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33 Building Designer / Project engineer responsible for 3)
- verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component. 4) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.



Date:

Page: 1

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Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	M03	Jack-Partial	4	1	Job Reference (optional)	T35771453

#### Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:56 ID:\_eWs4uzJxSPi1ZDx39USHAyLXPb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





	5-3-12	9-10-0
I	5-3-12	4-6-4

## Scale = 1:35.7 Plate Offsets (X, Y): [2:0-4-0,Edge]

			1			1								
	ading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
тс	LL (roof)	20.0	Plate Grip DOL	1.25		TC	0.50	Vert(LL)	0.04	2-6	>999	240	MT20	244/190
TC		10.0	Lumber DOL	1.25		BC	0.32	Vert(CT)	-0.06	2-6	>999	180		
BC	LL	0.0*	Rep Stress Incr	YES		WB	0.29	Horz(CT)	0.01	5	n/a	n/a		
BC	DL	10.0	Code	FBC20	23/TPI2014	Matrix-S							Weight: 43 lb	FT = 20%
TO BO WE BR TO BO	MBER P CHORD T CHORD EBS ACING P CHORD T CHORD ACTIONS	<ul> <li>2x4 SP No.2 2x4 SP No.2</li> <li>Structural wood she 6-0-0 cc purlins.</li> <li>Rigid ceiling directly bracing.</li> <li>(size) 2=0-3-8, Mechanic</li> </ul>	applied or 6-6-9 oc 4= Mechanical, 5= al	4 ed or 6 7 8	on the bottor 3-06-00 tall the chord and ar Bearings are Refer to gird Provide mec bearing plate 4 and 49 lb to H10A Simps connect trus:	has been designe in chord in all area by 1-00-00 wide w by other members assumed to be: er(s) for truss to thanical connection e capable of withs uplift at joint 5. on Strong-Tie con s to bearing walls tion is for uplift on	as where vill fit betw s. , Joint 2 S truss conr on (by oth standing 5 nnectors i a due to U	a rectangle veen the bott SP No.2 . nections. ers) of truss 7 lb uplift at recommende PLIFT at jt(s	om to joint d to ) 2.					
		Max Horiz 2=119 (LC Max Uplift 2=-171 (L 5=-49 (LC Max Grav 2=477 (LC (LC 1)	C 10), 4=-57 (LC 10 C 10)	5=273	lateral forces ) Gap between	s. n inside of top cho vertical web shall	ord bearir	ng and first						
FO	RCES	(Ib) - Maximum Com	pression/Maximum											
		Tension												111.
	P CHORD	,	,										MI IUS	1
	T CHORD												JUL	-EE ""
	BS	3-5=-803/838, 4-5=0	)/0, 3-6=0/224										. CEN	VS.
NO	TES											5		1 N N
1)	Vasd=10 B=60ft; La MWFRS left and ri exposed;	CE 7-22; Vult=130mph 1mph; TCDL=5.0psf; B =50ft; eave=6ft; Cat. II; (directional) and C-C Z ght exposed ; end vertii C-C for members and f shown; Lumber DOL= 3	CDL=5.0psf; h=30ft; Exp C; Enclosed; one3 zone; cantileve cal left and right orces & MWFRS for	er								* PROY	NO 34	869
2)	Building I verifying a	Designer / Project engir applied roof live load sh ents specific to the use	nown covers rain loa									111	OR ONA	LENGIN
3)		s has been designed for												mm.
			the second section of the second s	d a									DE N. ALOCO	

chord live load nonconcurrent with any other live loads.

Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

December 10,2024



Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	M04	Half Hip	1	1	Job Reference (optional)	T35771454

## Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:56 ID:\_eWs4uzJxSPi1ZDx39USHAyLXPb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:37.1

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

					1								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25		TC	0.48	Vert(LL)	0.06	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25		BC	0.51	Vert(CT)	-0.08	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.27	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC202	23/TPI2014	Matrix-S							Weight: 43 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD			6)	on the botto	has been design m chord in all are by 1-00-00 wide	eas where	a rectangle	•					
WEBS	2x4 SP No.2				ny other member								
BRACING			7)		e assumed to be:								
TOP CHORD	Structural wood she 5-10-10 oc purlins.	athing directly applie	ed or 8) 9)	Provide med	ler(s) for truss to chanical connecti	ion (by oth	ers) of truss						
BOT CHORD	Rigid ceiling directly bracing.	applied or 5-10-1 o		6.	e capable of with	-		-					
REACTIONS	(size) 2=0-3-8, 6 Max Horiz 2=116 (LC Max Uplift 2=-175 (L Max Grav 2=485 (LC	connect trus		s due to U	PLIFT at jt(s	) 2.							
FORCES	(lb) - Maximum Com Tension	pression/Maximum		JAD CASE(S)	Stanuaru								
TOP CHORD	1-2=0/18, 2-3=-868/	693, 3-4=-44/11, 4-5	5=0/0										
BOT CHORD	2-8=-833/803, 7-8=-	833/803, 6-7=0/0											
WEBS	3-8=0/258, 3-7=-837	7/863, 4-7=-127/218										annun.	1111.
NOTES												<b>W</b> UIUS	15.11
1) Unbalance	ed roof live loads have	been considered fo	r									JUL	SEE 11
this design	n.											CEN	ISA. A
2) Wind: ASC	CE 7-22; Vult=130mph	(3-second gust)									5	1. A. A.	
	Imph; TCDL=5.0psf; B											No 34	869
	=50ft; eave=6ft; Cat. II;										-	JULIUS	1 + =
```````````````````````````````````````	directional) and C-C Z	,	er									11/4 🔸	// 10 =
	ght exposed ; end verti C-C for members and f										-		IN MAJOR =
exposed,c										-		;K(  ///	

reactions shown; Lumber DOL=1.33 plate grip DOL=1.33 Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading 3) requirements specific to the use of this truss component.

Provide adequate drainage to prevent water ponding. 4) 5) This truss has been designed for a 10.0 psf bottom

chord live load nonconcurrent with any other live loads.

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Julius Lee PE No. 34869

Date:

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Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	M05	Half Hip	1	1	Job Reference (optional)	T35771455

# Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:56

1.5x4 u

3x4 =





3x8 =

1	7-6-4	9-11-8
	7-6-4	2-5-4

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

Scale = 1:33.2

	(x, i): [2:0 i 0,20g0],												
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25		TC	0.93	Vert(LL)	-0.08	2-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25		BC	0.52	Vert(CT)	-0.19	2-6	>620	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.12	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC202	3/TPI2014	Matrix-S							Weight: 41 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 Structural wood she 2-2-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals. applied or 8-8-0 oc 5= Mechanical 7) C 10), 5=-96 (LC 10	8) 9) ))	on the bottor 3-06-00 tall to chord and ar Bearings are Refer to gird Provide mec bearing plate 5. H10A Simps connect trus This connect lateral forces		as where vill fit betw s. Joint 2 SF truss conr on (by oth- standing 9 nnectors r due to U	a rectangle veen the both P No.2 . nections. ers) of truss t 6 lb uplift at j recommende PLIFT at jt(s)	om to joint d to ) 2.					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	LC	AD CASE(S)	Standard								
TOP CHORD	1-2=0/18, 2-3=-569/ 4-5=-22/27	442, 3-4=-31/48,											
BOT CHORD	2-6=-400/504, 5-6=-											mm	1111.
WEBS	3-6=0/307, 3-5=-657	7/571									1.5	IN IUS	15.11.
NOTES												JUL	SE II
Vasd=101 B=60ft; L= MWFRS ( Zone2 3-8 cantilever right expo	CE 7-22; Vult=130mph mph; TCDL=5.0psf; B =50ft; eave=6ft; Cat. II; directional) and C-CZ =0 to 7-4-8, Zone3 7-4 left and right exposed sed;C-C for members ins shown; Lumber DC	CDL=5.0psf; h=30ft Exp C; Enclosed; one3 -1-4-0 to 3-8-0 -8 to 9-9-12 zone; ; end vertical left an and forces & MWFF	, d								III * PR	NULIUS	869 *

- DOL=1.33 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding. 3) This truss has been designed for a 10.0 psf bottom 4)
- chord live load nonconcurrent with any other live loads.

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December 10,2024

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Julius Lee PE No. 34869

Date:

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	T01	Common	12	1	Job Reference (optional)	T35771456

Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:56 ID:toTxQWB9sz3J7t?vJd6cpRyLXB7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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				8-2-8		16-1-8	3		24-4	-0			
Scale = 1:68.1				8-2-8	1	7-11-0	)		8-2-	8	i		
	(X, Y): [2:0-5-2,Edge]	. [8:0-5-2.Edge]											
	(, .). [,	, [,											
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25		TC	0.50	Vert(LL)	-0.18	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25		BC WB	0.66	Vert(CT)	-0.25	10-12	>999	180		
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES FBC20	23/TPI2014	Matrix-S	0.26	Horz(CT)	0.04	8	n/a	n/a	Weight: 137 lb	FT = 20%
	10.0	oodo										Wolght. 101 lb	11 - 2070
	0 4 0D N 0		3		signer / Project								
TOP CHORD	2x4 SP No.2				ts specific to the								
BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.2		4		as been designe								
SLIDER	Left 2x6 SP No.2 3	3-7-4. Right 2x6 SP			ad nonconcurre								
	3-7-4	• · ·, · · ·g··· =··• •·	5		has been desig			.0psf					
BRACING					m chord in all a								
TOP CHORD	Structural wood she	eathing directly appli	ied or		by 1-00-00 wide ny other membe								
	4-3-9 oc purlins.		6		are assumed to								
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	7		son Strong-Tie			ed to					
REACTIONS	(size) 2=0-5-8, 8	8=0-5-8			ss to bearing wa								
REAGINGING	Max Horiz 2=-233 (L				connection is fo	r uplift only	and does no	ot					
	Max Uplift 2=-324 (L		10)	consider lat									
	Max Grav 2=1053 (I			OAD CASE(S)	Standard								
FORCES	(lb) - Maximum Com	npression/Maximum	1										
	Tension												
TOP CHORD		,	,									minin	11111
BOT CHORD	5-6=-1251/602, 6-8= 2-12=-320/1253, 10		19									IN ULIUS	LENI
BOTCHORD	8-10=-320/1223, 10	-12=-92/049,									1	JU CEA	1. S. 14
WEBS	5-10=-203/573, 6-10	0=-308/296,									5	CEA	SE
	5-12=-203/572, 4-12										5	No 34	
NOTES										-		No 34	869
1) Unbalance	ed roof live loads have	been considered for	or								7		/) <b>:</b> * =
this desig		(a								-		1. 1. *	
	CE 7-22; Vult=130mph									-	PA		
	Imph; TCDL=5.0psf; B =50ft; eave=6ft; Cat. II;		;								-h		
	directional) and C-C Z		).								-X	N.A.	A:23
	3-0 to 5-1-2, Zone2 5-1										(1)	COR OR	GAN
	20-8-0, Zone3 20-8-0										J	SION	ENIN
	left and right exposed											UNA	- internet
	sed;C-C for members		RS										10. · · ·
for reaction	ons shown <sup>.</sup> Lumber DC	$\mu = 1.33$ plate of $\mu$									unus Le	e PE No. 34869	

Zone1 3-8-0 to 5-1-2, Zone2 5-1-2 to 19-2-14, Zone1 19-2-14 to 20-8-0, Zone3 20-8-0 to 25-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

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December 10,2024

MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

Julius Lee PE No. 34869

Date:

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	T02	Common	20	1	Job Reference (optional)	T35771457

Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:57 ID:aUgadhJx4yz8RLQhOGvtfAyLXIi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1





	10-0-13	20-1-0	30-1-3	40-2-0	
Scale = 1:98.5	10-0-13	10-0-3	10-0-3	10-0-13	7

## Plate Offsets (X, Y): [1:Edge.0-4-3], [9:Edge.0-4-3]

				-								
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	тс	0.82	Vert(LL)	-0.17	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.31	11-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 258 lb	FT = 20%

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2
WEDGE	Left: 2x6 SP No.2
	Right: 2x6 SP No.2
BRACING	5
TOP CHORD	Structural wood sheathing directly applied or
	2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-5-7 oc
201 01.01.2	bracing.
WEBS	1 Row at midpt 4-13, 5-13, 6-13
REACTIONS	
REACTIONS	Max Horiz 1=-366 (LC 8)
	Max Uplift 1=-413 (LC 10), 9=-499 (LC 10)
	Max Grav 1=1618 (LC 15), 9=1708 (LC 16)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=-2583/881, 2-4=-2375/884,
	4-5=-1688/769, 5-6=-1690/769,
	6-8=-2365/863, 8-9=-2571/857, 9-10=0/24
BOT CHORD	1-15=-599/2344, 13-15=-394/1974,
	11-13=-388/1790, 9-11=-565/2051
WEBS	4-15=-111/552, 2-15=-257/260,
	4 4 2 7 4 0 / 20 2 5 4 2 5 0 4 / 4 20 2
	4-13=-749/393, 5-13=-504/1292,
	4-13=-749/393, 5-13=-504/1292, 6-13=-746/384, 6-11=-86/542, 8-11=-243/231

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

- =60ft; L=50ft; eave=6ft; Cat. II; Exp C; Enclosed MWFRS (directional) and C-C Zone3 0-2-12 to 5-2-12, Zone1 5-2-12 to 13-0-2, Zone2 13-0-2 to 27-1-14, Zone1 27-1-14 to 36-6-0, Zone3 36-6-0 to 41-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component. 4) 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 5) on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- All bearings are assumed to be SP No.2 6) H10A Simpson Strong-Tie connectors recommended to
- connect truss to bearing walls due to UPLIFT at jt(s) 1 and 9. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

December 10,2024



🛦 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 using the matter one to the other of the intervence of the

Job	Truss	Truss Type	Qty	Ply	The Bundy Residence	
241107-01JG	Т03	Scissor	10	1	Job Reference (optional)	T35771458

Run: 8.83 S Nov 8 2024 Print: 8.830 S Nov 8 2024 MiTek Industries, Inc. Tue Dec 10 05:09:57 ID:dyFPb?7q68v?TP7EmgiGmiyLXPP-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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	0-5-8	10-2-4	20-1-0	29-11-12	39-8-8	40-2-0
Scale = 1:97.2	0-5-8	9-8-12	9-10-12	9-10-12	9-8-12	0-5-8

Plate Offsets (X, Y): [1:Edge,0-2-0], [2:0-0-0,0-0-0], [2:0-0-0,0-0-0], [2:0-0-0,0-0-0], [2:0-0-0,0-0-0], [4:Edge,0-0-0], [9:Edge,0-2-0]
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				, ,			1/1	0 ,					
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.25 1.25 YES FBC202	23/TPI2014	CSI TC BC WB Matrix-S	0.70 0.77 0.74	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.32 -0.67 0.53	(loc) 12 12-14 9	l/defl >999 >710 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 249 lb	<b>GRIP</b> 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS	2x4 SP No.1 *Excep 2x6 SP No.2 2x4 SP No.2 Left 2x4 SP No.2 4 No.2 8-0-15 Structural wood she 2-2-0 oc purlins. Rigid ceiling directly bracing. (size) 1=0-5-8, 9 Max Horiz 1=-360 (L Max Uplift 1=-417 (L Max Grav 1=1596 (I (Ib) - Maximum Corr Tension 1-2=-4387/1443, 2 4-5=-3048/972, 5-6= 6-8=-4108/1319, 8-9 1-14=-1140/3883, 1: 10-12=-832/3396, 9 5-12=-714/2604, 6-1 6-10=-91/573, 8-10= 4-12=-826/478, 4-14	8-0-15, Right 2x4 SP athing directly applie applied or 6-10-1 or 9=0-5-8 C 8) C 10), 9=-417 (LC 1 .C 1), 9=1596 (LC 1) pression/Maximum 4=-4109/1319, 3048/972, 9=-4386/1443 2-14=-832/3423, -10=-1140/3776 12=-838/477, -2-14/272,	4) 5) ed or 5 7) 0) 8) 0) 2 8)	verifying app requirement This truss ha chord live lo * This truss I on the botton 3-06-00 tall II chord and at All bearings Bearing at jo using ANSI/ designer sho H10A Simps connect trus		d shown c use of this d for a 10.0 t with any ed for a liv ed for a liv eas where will fit betw s. be SP No. ders paralli ain formula ity of beari onnectors s due to U	overs rain loa truss compo ) psf bottom other live loa e load of 20. a rectangle veen the bott 2. el to grain va a. Building ng surface. PLIFT at jt(s	ading nent. ads. 0psf rom lue d to ) 1			A STATE	JULIUS	
this design 2) Wind: ASC Vasd=101 B=60ft; L= MWFRS (i Zone1 5-1 27-1-14 to	ed roof live loads have n. CE 7-22; Vult=130mph mph; TCDL=5.0psf; B 50ft; eave=6ft; Cat. II; directional) and C-C Z -9 to 13-0-2, Zone2 13 35-0-7, Zone3 35-0-7	(3-second gust) CDL=5.0ps; h=30ft; Exp C; Enclosed; one3 0-1-9 to 5-1-9, 3-0-2 to 27-1-14, Zor to 40-0-7 zone;	ne1										D.A.CININ

Zone1 5-1-9 to 13-0-2, Zone2 13-0-2 to 27-1-14, Zone1 27-1-14 to 35-0-7, Zone3 35-0-7 to 40-0-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor1 bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 15. Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.