

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0325-1367 Lot 4 Mabry Ridge

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: I71972238 thru I71972265

My license renewal date for the state of North Carolina is December 31, 2025.

North Carolina COA: C-0844



March 13,2025

Galinski, John

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.

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	A1-GE	GABLE	1	1	Job Reference (optional)	171972238

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:05 Page: 1 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 43-9-0 6-0-10 12-10-13 26-10-3 28-9-730-8-2 34-4-1 39-10-4 42-10-0 + - 1 3-7-15 6-0-10 6-10-2 13-11-7 1-11-4 5-6-3 2-11-12 . 1-10-10 0-11-0 4x8💊 5x8= 6x6= 6x6= 3 8 11-5-5 0-5-8 4x8💊 œ 10x10 10 2 6 12 3-11-8 12 81 14 a 16 4x6 🖌 13 18 9 9 2 202 10-11-13 15 11-7-11 10-6-5 17 23 4x6 25 19 5x8 🖌 27 1 29 2-10-2 30 0-5-8 32 43 T 1 \times \sim 42 41 40 45 39 4638 37 44 47 3x4 II 36 34 33 4x6= 4x8= 4x8= 4x8= 4x4 =4x4 =5x8= 6-0-10 13-0-9 22-8-8 30-8-2 36-10-0 42-10-0 -6-0-10 6-11-14 9-7-15 7-11-10 6-1-14 6-0-0 Scale = 1:78.7 Plate Offsets (X, Y): [3:0-5-4,0-2-12], [15:0-5-0,0-3-0], [35:0-1-4,0-3-0]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC202	1/TPI2014	CSI TC BC WB Matrix-S	0.49 0.54 0.38	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)		(loc) 39-41 39-41 31 37-39	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 416 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x6 SP No.1 2x4 SP No.2 *Excep 2x4 SP No.2 Structural wood she	athing directly applied xcept end verticals, a	W d or	EBS	42-43=-280/333, 4 39-41=-263/1570, 3 36-37=-91/2029, 3 34-35=-29/452, 33 31-33=-29/452 2-42=-394/137, 2-4 3-39=-209/364, 3-4 15-37=0/379, 15-3 1-42=-148/1564, 7	37-39=- 5-36=-9 -34=-29 41=-229 41=-61/5 9=-545/2 -8=-12/6	91/2029, 1/2029, /452, /244, 566, 4-39=-3/5 241, 58, 5-6=-14/18		bea join and 10) Gra or t bott	t 43, 467 t 43, 467 I 1035 lb Iphical p	e capa ' lb upl uplift a urlin re ation c	able of withstandi ift at joint 34, 66 at joint 35. presentation doe of the purlin along	others) of truss to ng 224 lb uplift at lb uplift at joint 33 is not depict the size g the top and/or
BOT CHORD WEBS JOINTS		applied or 10-0-0 oc 2-41, 3-39, 15-39			9-10=-16/34, 12-13 16-17=-140/117, 12 21-22=-48/39, 23-2 27-28=-344/204, 22 14-15=-91/120, 29	8-19=-1 24=-45/3 9-34=-1	9/15, 37, 25-26=-9/1 19/0, 30-33=-	,					
REACTIONS	35=6-3-8 Mechanic Max Horiz 43=-325 (Max Uplift 33=-66 (L 35=-1035 Max Grav 31=418 (I 34=498 (I	LC 8) .C 13), 34=-467 (LC 2 (LC 13), 43=-224 (LC	1) 2) 20), C 12)), 20),	this design. Wind: ASCE Vasd=103m Cat. II; Exp (MWFRS (en 0-2-12 to 4-7 (2R) 12-10-1	roof live loads hav 7-16; Vult=130mp ph; TCDL=6.0psf; I C; Enclosed; Gable ivelope) exterior zo 7-9, Interior (1) 4-7- 13 to 17-3-9, Interior	h (3-seo BCDL=6 Roof; H ne and 9 to 12- or (1) 17	cond gust) 6.0psf; h=15ft; 4ip Truss; C-C Exterior(2 10-13, Exterior -3-9 to 26-10-	2E) or					1117.
FORCES TOP CHORD	Tension			43-7-7 zone reactions sh DOL=1.60 Provide ade All plates an This truss ha chord live lo * This truss on the botto 3-06-00 tall chord and a Bearings ang crushing cag capacity of 8	26-10-3 to 31-3-0, ;C-C for members : own; Lumber DOL: quate drainage to p e 2x4 MT20 unless as been designed f ad nonconcurrent w has been designed m chord in all areas by 2-00-00 wide wi ny other members, e assumed to be: , oacity of 565 psi, Jo 565 psi.	and forc =1.60 pl orevent otherwi or a 10. with any for a liv s where Il fit betw with BC Joint 35 bint 36 S	es & MWFRS ate grip water ponding se indicated. D psf bottom other live load e load of 30.0 a rectangle veen the botto DL = 10.0psf SP No.1 P No.1 crush	J. ds. Dpsf			and the state	SEA 2867	ER St.

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5-11-14

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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 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 BCEL Building Component Stability and proponent and the component development description (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	A2	Piggyback Base	6	1	Job Reference (optional)	171972239

Run; 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:06 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

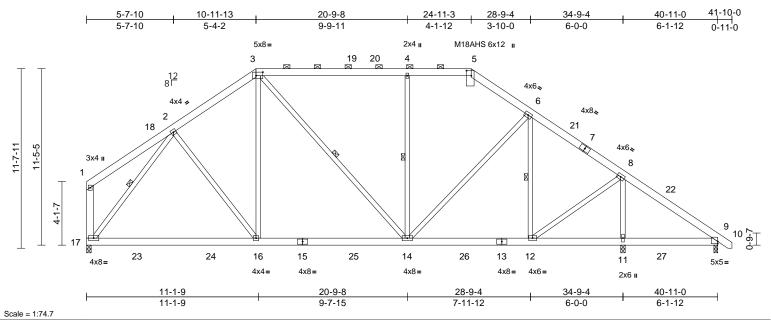


Plate Offsets (X, Y): [3:0-5-4,0-2-12], [5:0-4-0,0-3-12], [9:Edge,0-1-11]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.64	Vert(LL)	-0.20	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.30	16-17	>999	240	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S		Wind(LL)	0.07	14-16	>999	240	Weight: 338 lb	FT = 20%
LUMBER	IBER 2) Wind: ASCE 7-16; Vult=130mph (3-second gust)											

LUMBER	
TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2 *Except* 17-1:2x6 SP No.1
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals, and
	2-0-0 oc purlins (5-11-5 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 3-14, 4-14, 2-17, 6-12
REACTIONS	(size) 9=0-3-0, 11=0-3-8, 17=0-3-8
	Max Horiz 17=-262 (LC 8)
	Max Uplift 9=-633 (LC 27), 11=-97 (LC 13),
	17=-28 (LC 12)
	Max Grav 9=56 (LC 12), 11=2875 (LC 2),
	17=1588 (LC 2)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=-210/89, 2-3=-1399/266, 3-4=-1039/263, 4-5=-1038/263, 5-6=-1137/264,
	4-5=-1038/263, 5-6=-1137/264, 6-8=-773/119, 8-9=-276/1348, 9-10=0/14,
	1-17=-239/100
BOT CHORD	16-17=-151/1055, 14-16=-88/1178,
Ber energy	12-14=0/524, 11-12=-1021/260,
	9-11=-1021/260
WEBS	2-16=-68/378, 3-16=-4/509, 3-14=-223/85,
	4-14=-306/182, 6-14=-162/860,
	8-12=-157/1833, 8-11=-2630/426,
	2-17=-1430/184, 6-12=-752/202
NOTES	

Unbalanced roof live loads have been considered for

1)

this design.

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-2-12 to 4-7-9, Interior (1) 4-7-9 to 10-11-13, Exterior(2R) 10-11-13 to 17-2-7, Interior (1) 17-2-7 to 24-11-3, Exterior(2R) 24-11-3 to 31-1-14, Interior (1) 31-1-14 to 41-8-7 zone; porch 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.
- All plates are MT20 plates unless otherwise indicated.
- 4) 5) The Fabrication Tolerance at joint 5 = 0%
- 6) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 30.0psf 7) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. All bearings are assumed to be SP No.1 crushing 8)
- capacity of 565 psi. Provide mechanical connection (by others) of truss to
- 9) bearing plate capable of withstanding 97 lb uplift at joint 11, 28 lb uplift at joint 17 and 633 lb uplift at joint 9.
- 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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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	A3	Piggyback Base	3	1	Job Reference (optional)	171972240

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:06 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

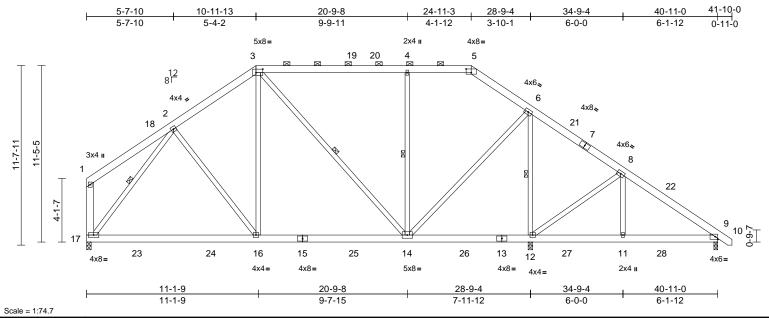


Plate Offsets (X, Y): [3:0-5-4,0-2-12], [5:0-4-0,0-2-13]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.19	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.28	16-17	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S		Wind(LL)	0.04	14-16	>999	240	Weight: 338 lb	FT = 20%

LUMBER								
TOP CHORD	2x6 SP No.1							
BOT CHORD	2x6 SP No.1							
WEBS	2x4 SP No.2 *Except* 17-1:2x6 SP No.1							
BRACING								
TOP CHORD	Structural wood sheathing directly applied or							
	6-0-0 oc purlins, except end verticals, and							
	2-0-0 oc purlins (6-0-0 max.): 3-5.							
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc							
	bracing.							
WEBS	1 Row at midpt 3-14, 4-14, 6-12, 2-17							
REACTIONS	(size) 9=0-3-0, 12=0-3-8, 17=0-3-8							
	Max Horiz 17=-262 (LC 8)							
	Max Uplift 9=-74 (LC 8), 12=-178 (LC 8),							
	17=-21 (LC 12)							
	Max Grav 9=274 (LC 26), 12=2520 (LC 2),							
	17=1273 (LC 19)							
FORCES	(lb) - Maximum Compression/Maximum							
	Tension							
TOP CHORD	1-2=-202/87, 2-3=-1020/199, 3-4=-468/168,							
	4-5=-468/168, 5-6=-565/170, 6-8=-171/710,							
	8-9=-132/420, 9-10=0/14, 1-17=-231/98							
BOT CHORD	16-17=-148/843, 14-16=-84/888,							
	12-14=-591/315, 11-12=-296/113, 9-11=-296/113							
WEBS	2-16=-85/236, 3-16=-8/604, 3-14=-565/88,							
WEB3	4-14=-464/188, 6-14=-187/1484,							
	6-12=-1838/384, 2-17=-1045/122,							
	8-11=-292/238, 8-12=-529/445							
NOTES								

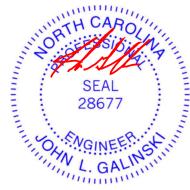
Unbalanced roof live loads have been considered for

1)

this design.

 Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-2-12 to 4-7-9, Interior (1) 4-7-9 to 10-11-13, Exterior(2R) 10-11-13 to 17-2-7, Interior (1) 17-2-7 to 24-11-3, Exterior(2R) 24-11-3 to 31-114, Interior (1) 31-1-14 to 41-8-7 zone; porch 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.
 * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 All bearings are assumed to be SP No.1 crushing
- capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 12, 21 lb uplift at joint 17 and 74 lb uplift at joint 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



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818 Soundside Road

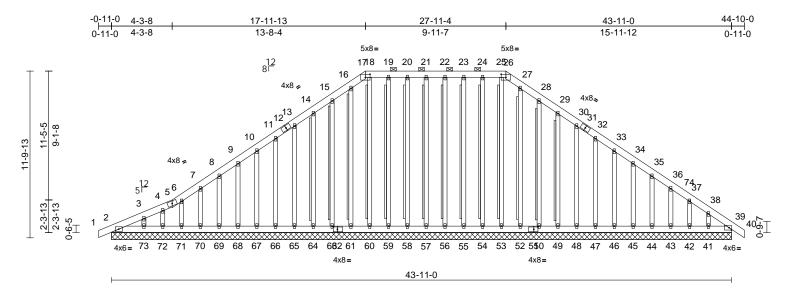
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	B1-GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)	171972241

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:06 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Page: 1



Scale = 1:81.6

Plate Offsets (2	X, Y): [17:0-4-0,0-2-1	3], [26:0-4-0,0-2-13],	, [51:0-3-8,0-2-0], [62	:0-3-8,0-2-0]								
Loading TCLL (roof) TCDL BCLL	(psf) 20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.07 0.02 0.09	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.01	(loc) - - 39	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-	S						Weight: 530 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING	2x6 SP No.1 2x6 SP No.1 2x4 SP No.2 *Excep 0-0,0-0,0-0,0-0,0-0,0 0,0-0,0-0:2x4 SPF N	-0,0-0,0-0,0-0,0-0,0-	0,0-		2=349 (LC 11) 2=-109 (LC 8), 3 41=-97 (LC 13), 43=-58 (LC 13), 45=-58 (LC 13), 47=-58 (LC 13), 49=-65 (LC 13),	42=-59 (LC 44=-58 (LC 46=-58 (LC 48=-59 (LC 50=-60 (LC), 13), 13), 13), 13), 13),	TOP CH	IORD	4-5=-2 7-8=-2 10-11: 13-14: 15-16: 17-18:	211/215, 8-9=-19 =-168/201, 11-13 =-140/281, 14-15 =-140/396, 16-17 =-130/383, 18-19	6/232, 6-7=-239/234, 6/202, 9-10=-182/198, =-154/230, =-127/340, =-143/401, =-130/383,
TOP CHORD	Structural wood she 6-0-0 oc purlins, exc 2-0-0 oc purlins (6-0	ept	d or		54=-27 (LC 9), 5 56=-33 (LC 8), 5 58=-35 (LC 8), 5	57=-33 (LC 8) 59=-28 (LC 9)),),			21-22: 23-24:	=-130/383, 20-21 =-130/383, 22-23 =-130/383, 24-25	=-130/383, =-130/383,
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	;		60=-16 (LC 9), 6 63=-60 (LC 12),						=-130/383, 26-27 =-140/396, 28-29	
WEBS	T-Brace: Fasten (2X) T and I of web with 10d (0.1 o.c.,with 3in minimu Brace must cover S	m end distance. 90% of web length.	, , ,	Max Grav	65=-59 (LC 12), 67=-58 (LC 12), 69=-59 (LC 12), 71=-24 (LC 12), 73=-68 (LC 12), 2=165 (LC 20), 41=138 (LC 20) 43=118 (LC 20) 45=118 (LC 20) 47=118 (LC 20)	68=-58 (LC 70=-59 (LC 72=-38 (LC 39=156 (LC 42=116 (LC 44=118 (LC 46=118 (LC 48=118 (LC	12), 12), 3), 22), 20), 20), 20), 20),			32-33: 34-35: 37-38: 39-40:	=-173/108, 38-39 =0/19	-53/115, 76/71, 36-37=-122/89, =-252/141,
REACTIONS	$\begin{array}{c} 41 = 43 - 11 \\ 43 = 43 - 11 \\ 45 = 43 - 11 \\ 47 = 43 - 11 \\ 47 = 43 - 11 \\ 52 = 43 - 11 \\ 52 = 43 - 11 \\ 56 = 43 - 11 \\ 56 = 43 - 11 \\ 60 = 43 - 11 \\ 65 = 43 - 11 \\ 65 = 43 - 11 \\ 67 = 43 - 11 \\ 69 = 43 - 11 \end{array}$	$\begin{array}{l} 0, 39=\!$	FORCES	(lb) - Ma: Tension	52=104 (LC 26) 54=105 (LC 26) 56=107 (LC 25) 58=109 (LC 26) 60=132 (LC 22) 63=120 (LC 19) 65=118 (LC 19) 67=118 (LC 19) 69=118 (LC 19) 71=112 (LC 1), 73=160 (LC 25) kimum Compressi	55=109 (LC 57=107 (LC 59=105 (LC 61=116 (LC 64=118 (LC 66=118 (LC 66=118 (LC 70=118 (LC 72=93 (LC 1)	25), 26), 25), 19), 19), 19), 19), 19),			and summer state	SEA 2867	EER St.

TRENCO

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 property incorporate this design into the overall building design. Dracing 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.sbcacomponents.com)

Jo	do	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J	0325-1367	B1-GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)	171972241
Co	mtech. Inc. Favetteville. NC - 2	28314.	Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries. Inc. Wed Mar 12 07:41:06				Page: 2

2-73=-117/272 72-73=-117/272 71-72=-117/272, 70-71=-117/272,

69-70=-117/272. 68-69=-117/272.

67-68=-117/272, 66-67=-117/272,

65-66=-117/272, 64-65=-117/272, 63-64=-117/272, 61-63=-117/272, 60-61=-117/272, 59-60=-117/272, 58-59=-117/272, 57-58=-117/272, 56-57=-117/272, 55-56=-117/272, 54-55=-117/272, 53-54=-117/272, 52-53=-117/272, 50-52=-117/272,

BOT CHORD

Run. 8.03 3 Sep 20 2024 Finit. 8.030 3 Sep 20 2024 Miller industries, inc. Wed Mai 12 07.41.00
$\label{eq:linear} ID: 2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f$

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

LOAD CASE(S) Standard

WE	BS
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49-50=-117/272, 48-49=-117/272, 47-48=-117/272, 46-47=-117/272, 45-46=-117/272, 44-45=-117/272, 43-44=-117/272, 42-43=-117/272, 41-42=-117/272, 39-41=-117/272 25-53=-95/18, 24-54=-79/43, 23-55=-82/57, 22-56=-81/59, 21-57=-81/59, 20-58=-82/57, 19-59=-79/44, 18-60=-106/39, 16-61=-90/31, 15-63=-93/85, 14-64=-92/92, 13-65=-91/85, 11-66=-91/83, 10-67=-91/83, 9-68=-91/84, 8-69=-92/84, 7-70=-92/84, 6-71=-83/68, 4-72=-74/60, 3-73=-113/144, 27-52=-77/6, 28-50=-93/85, 29-49=-93/92, 30-48=-91/85, 32-47=-91/83 33-46=-91/83 34-45=-91/84 35-44=-91/84, 36-43=-91/87, 37-42=-92/119, 38-41=-105/165

NOTES

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-11-0 to 3-7-8, Exterior(2N) 3-7-8 to 17-11-13, Corner (3R) 17-11-13 to 22-3-8, Exterior(2N) 22-3-8 to 27-11-4, Corner(3R) 27-11-4 to 32-4-0, Exterior(2N) 32-4-0 to 44-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated. 5)
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc. 8) 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 0.0psf 9) on the bottom chord in all areas where a rectangle 0-00 tall by 0-00 wide will fit between the bottom chord and
- any other members. 10) All bearings are assumed to be SP No.1 crushing capacity of 565 psi.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 39, 27 lb uplift at joint 54, 33 lb uplift at joint 55, 33 lb uplift at joint 56. 33 lb uplift at joint 57. 35 lb uplift at joint 58, 28 lb uplift at joint 59, 16 lb uplift at joint 60, 15 lb uplift at joint 61, 60 lb uplift at joint 63, 64 lb uplift at joint 64, 59 lb uplift at joint 65, 58 lb uplift at joint 66, 58 lb uplift at joint 67, 58 lb uplift at joint 68, 59 lb uplift at joint 69, 59 lb uplift at joint 70, 24 lb uplift at joint 71, 38 lb uplift at joint 72, 68 lb uplift at joint 73, 60 lb uplift at joint 50, 65 lb uplift at joint 49, 59 lb uplift at joint 48, 58 lb uplift at joint 47, 58 lb uplift at joint 46, 58 lb uplift at joint 45, 58 lb uplift at joint 44, 58 lb uplift at joint 43, 59 lb uplift at joint 42, 97 lb uplift at joint 41 and 109 lb uplift at joint 2.
- 12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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 that the operating of the second se and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	B2	Piggyback Base	6	1	Job Reference (optional)	171972242

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:06

Page: 1 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -0-11-0 <u>4-3-8</u> 0-11-0 4-3-8 44-10-0 0-11-0 17-11-13 35-9-2 11-1-10 27-11-4 43-11-0 6-10-2 6-10-2 9-11-7 7-9-14 8-1-14 12 8 5x8= 6x6= 6 21 22 7 4x8 🍫 4x8、 4x6 🍫 20 23 5 8 11-5-5 4x6💊 9-1-8 4 9 12 51 6x6 🚅 24 19 ³ 3-13 3-13

1 1 13 13 13 13 13 13 13 13 13 13	2								/		p		
\uparrow \downarrow \downarrow \downarrow ϕ^{\perp}	4x8=	18 2x4 II	 17 4x4=	25	16 4x8=	15 4x4=	26	14 4x8=	13 4x8=	27	12 2x4 II	28	5x5=
	4-1-12 4-1-12	<u>11-1-10</u> 6-11-14			- <u>1-9</u> 1-14		27-9-8 9-7-15			-9-2 1-10		<u>43-11-0</u> 8-1-14	

Scale = 1:81.6

11-8-1

Plate Offsets (X, Y): [2:0-1-10,Edge], [6:0-5-4,0-2-12], [10:Edge,0-1-7]

			-		1	-							
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.56	Vert(LL)	-0.19	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.62	Vert(CT)	-0.33	14-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.41	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code	IRC202	1/TPI2014	Matrix-S							Weight: 335 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.2 Structural wood she 3-8-0 oc purlins, exc 2-0-0 oc purlins (4-9 Rigid ceiling directly bracing. 1 Row at midpt (size) 2=0-3-8, i Max Horiz 2=315 (LC Max Uplift 2=-234 (L	athing directly applie cept -10 max.): 6-7. applied or 7-3-12 oc 6-14, 3-17, 9-14, 4-1 10=0-3-8 C 9) C 10), 10=-218 (LC	2) d or 5 3) 4) 11) 5)	Wind: ASCE Vasd=103mj Cat. II; Exp (Exterior(2E) Exterior(2R) 23-6-8, Exte 32-3-15 to 44 zone;C-C for reactions shu DOL=1.60 Provide adee This truss ha chord live loa * This truss h	7-16; Vult=130r oh; TCDL=6.0ps C; Enclosed; MW -0-9-4 to 3-7-7, 13-7-1 to 22-4-5 rior(2R) 23-6-8 t D-3-11, Exterior(r members and f bown; Lumber DC quate drainage t is been designer ad nonconcurrer has been design in chord in all are	sf; BCDL=5 VFRS (env Interior (1) 3, Interior (1) 3, Interior (1) 3, Interior (1) 5, 02-3-15, (22) 40-3-1 forces & M DL=1.60 pl to prevent 1 d for a 10.0 nt with any bed for a liv	i.0psf; h=30ft elope) and C 3-7-7 to 13-7 1) 22-4-8 to Interior (1) 1 to 44-8-7 WFRS for ate grip water pondin. 0 psf bottom other live loa e load of 20.1	-C 7-1, g.				vveignit. SSS ID	r i = 2070
FORCES	Max Grav 2=1991 (I (Ib) - Maximum Com	<i>,,</i>	10)		by 2-00-00 wide								
TOP CHORD	Tension	1/1345, 3-4=-3181/10	6) 194,		are assumed to								
	,)=-2972/985, 10-11=	7) 0/14	Provide mec bearing plate	hanical connecti capable of with	nstanding 2							
BOT CHORD	2-18=-1146/4109, 1 15-17=-691/2751, 1 12-14=-632/2357, 1	4-15=-384/2000, 0-12=-632/2357	8)	Graphical pu or the orienta	234 lb uplift at jo Irlin representati ation of the purli	ion does no		size				UNITH CA	ROUL
WEBS	,	69/656, 6-15=-194/10 4=-262/175, 9-12=0/4 14=-778/335,	40	bottom chord DAD CASE(S)							A.C.	OR TH CA	Min
NOTES													

NOTES

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



SEAL

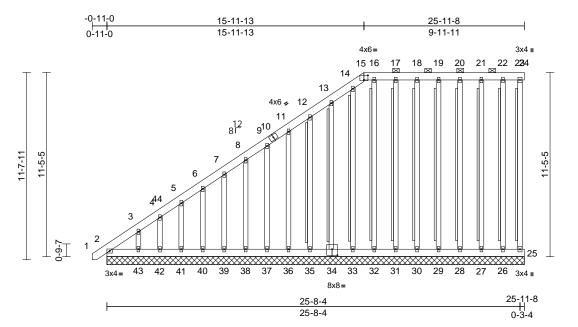
28677

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/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut Information, purplication component component durate propagate component for the prevention. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	C1-GE	GABLE	1	1	Job Reference (optional)	171972243

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:71.6 Plate Offsets (X, Y): [15:0-3-0,0-3-8], [34:0-4-0,0-4-8]

Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.04	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 NO	BC WB	0.01	Vert(CT)	n/a	- 24	n/a	999		
BCLL BCDL	0.0 10.0	Code	IRC2021/TPI2014	Matrix-	0.09	Horz(CT)	-0.01	24	n/a	n/a	Weight: 349 lb	ET - 20%
BCDL	10.0	Code	IRC2021/1F12014	watrix-	3						Weight. 349 lb	F1 = 20%
LUMBER FOP CHORD BOT CHORD WEBS DTHERS BRACING FOP CHORD	4 SPF No.2(flat) Structural wood sh	pt* ,0-0,0-0,0-0,0-0,0-0,0 eathing directly applie xcept end verticals, a	ed or	Max Uplift	2=-64 (LC 10), 2 25=-6 (LC 9), 26 27=-33 (LC 9), 2 29=-31 (LC 8), 2 31=-31 (LC 8), 3 31=-31 (LC 8), 3 33=-46 (LC 12), 35=-59 (LC 12), 39=-58 (LC 12), 41=-57 (LC 12),	i=-22 (LC 8), i8=-32 (LC 9) i0=-32 (LC 8) i2=-28 (LC 9) 34=-60 (LC 36=-58 (LC 38=-58 (LC 40=-58 (LC),), 12), 12), 12), 12),	, this	balanceo design.	19-29 16-32 12-35 8-38= 5-41= d roof li	=-81/47, 18-30=- =-80/50, 14-33=- =-92/75, 11-36=- -91/74, 7-39=-91/ -90/72, 4-42=-88/	84/49, 20-28=-83/48 81/48, 17-31=-81/47 80/63, 13-34=-92/76 91/74, 9-37=-91/74, /79, 3-43=-137/155 een considered for -second gust)
BOT CHORD	2-0-0 oc purlins (6			Max Grav	43=-146 (LC 12) 2=342 (LC 12), 2 25=25 (LC 1), 2	24=30 (LC 1)		Vas Cat	sd=103n II; Exp	nph; TC C; End	CDL=6.0psf; BCD closed; Gable Ro	DL=6.0psf; h=15ft; of; Common Truss; and C-C Corner(3E)
WEBS	T-Brace: Fasten (2X) T and of web with 10d (0 o.c.,with 3in minin	2x4 SPF No.2 - 23- 22-26, 21-27, 20-28 19-29, 18-30, 17-31 16-32, 14-33, 13-34 12-35 II braces to narrow ec .131"x3") nails, 6in um end distance.	lge		27=111 (LC 1), 29=107 (LC 26) 33=106 (LC 1), 35=120 (LC 19) 37=118 (LC 19) 39=118 (LC 19) 41=119 (LC 19) 43=177 (LC 19)	30=108 (LC 32=107 (LC 34=119 (LC 1 36=118 (LC 38=118 (LC 40=117 (LC 42=108 (LC	; 26), ; 1), 19), ; 19), ; 19), ; 19), ; 19), ; 19),	-0-9 (3R zon rea DO 3) Tru only see	9-7 to 3-) 15-11- le;C-C for ctions sl L=1.60 ss desig y. For s Standa	7-6, Ex 13 to 2 or mem nown; l ned fo tuds ex rd Indu	terior(2N) 3-7-6 t 20-7-8, Exterior(2l bers and forces a Lumber DOL=1.6 r wind loads in the sposed to wind (n ustry Gable End C	o 15-11-13, Corner N) 20-7-8 to 25-11-8 & MWFRS for 0 plate grip e plane of the truss ormal to the face), Details as applicable
REACTIONS	25=25- 27=25- 29=25- 31=25- 33=25- 35=25- 35=25- 37=25- 41=25- 43=25-		FORCES TOP CHORD BOT CHORD	Tension 1-2=0/14, 4-5=-457, 7-8=-307, 11-12=-1: 13-14=-50 16-17=0// 20-21=0// 23-25=-1 2-43=0/0,	imum Compressi , 2-3=-616/346, 3 /253, 5-6=-408/22 /172, 8-9=-257/14 57/90, 12-13=-10 6/36, 14-15=-24/8 0, 17-18=0/0, 18- 0, 21-22=0/0, 22- 7/10 , 42-43=0/0, 41-4: 0, 38-39=0/0, 37-	-4=-508/280, :6, 6-7=-358/ :5, 9-11=-207 7/63, :, 15-16=0/0, 19=0/0, 19-20 23=0/0, 23-20 2=0/0, 40-41:	199, 7/118, 0=0/0, 4=0/0, =0/0, 7=0/0	4) Pro	vide ade	equate	drainage to preve	EER St.
	Max Horiz 2=524 (_C 12)		35-36=0/0 30-31=0/0	0, 38-39=0/0, 37- 0, 33-35=0/0, 32- 0, 29-30=0/0, 28- 0, 25-26=0/0	33=0/0, 31-32	2=0/0, 2=0/0, 8=0/0,			in a start	OLYN L. G	EEP. SK III

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 properly damage. For general guidance regarding the fabrication, storage, delivery, recetion 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.sbcacomponents.com)



818 Soundside Road Edenton, NC 27932

March 13,2025

Job	Truss	Truss Type Qty Ply Lot 4 Mabry Ridge		Lot 4 Mabry Ridge		
J0325-1367	C1-GE	GABLE	1	1	Job Reference (optional)	171972243

- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1-4-0 oc.
- 8) 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 30.0psf 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.1 crushing capacity of 565 psi.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 24, 6 lb uplift at joint 25, 64 lb uplift at joint 2, 22 lb uplift at joint 26, 33 lb uplift at joint 27, 32 lb uplift at joint 28, 31 lb uplift at joint 29, 32 lb uplift at joint 30, 31 lb uplift at joint 31, 28 lb uplift at joint 32, 46 lb uplift at joint 33, 60 lb uplift at joint 34, 59 lb uplift at joint 35, 58 lb uplift at joint 36, 58 lb uplift at joint 37, 58 lb uplift at joint 38, 58 lb uplift at joint 39, 58 lb uplift at joint 40, 57 lb uplift at joint 41, 58 lb uplift at joint 42 and 146 lb uplift at joint 43.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2



Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	C2	Piggyback Base	10	1	Job Reference (optional)	171972244

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

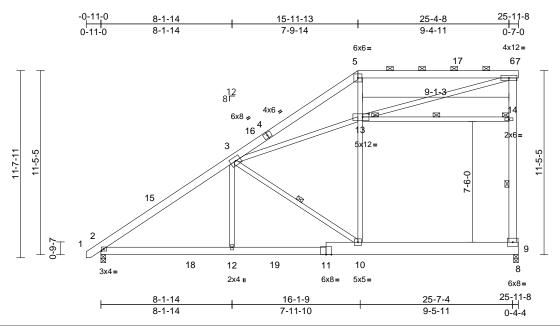


Plate Offsets (X, Y): [2:0-1-12,0-1-8], [13:0-4-12,0-2-4]

Scale = 1:71.6

			-										
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.51	Vert(LL)	-0.21	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.44	Vert(CT)	-0.35	10-12	>879	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.81	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/	TPI2014	Matrix-S		Wind(LL)	0.12	10-12	>999	240	Weight: 251 lb	FT = 20%
	2-0-0 oc purlins (4-4 Rigid ceiling directly bracing. 1 Row at midpt 1 Brace at Jt(s): 13, 14	tt* 6-9:2x6 SP No.1 athing directly applie cept end verticals, ar I-14 max.): 5-7. applied or 10-0-0 oc 9-14, 3-10, 13-14 9=0-3-8 C 12) C 12), 9=-124 (LC 9)	1 4) dor 5) 6) 7)	chord live loa * This truss h on the bottom 3-06-00 tall b chord and arn Bearings are capacity of 5 565 psi. Provide mech bearing plate joint 9 and 22 Graphical pu		with any I for a liv s where II fit betw with BC oint 2 SI No.1 cru anding 1 does no	other live loa e load of 30.0 a rectangle veen the botto DL = 10.0psf > No.1 crushi ushing capaci ers) of truss t 24 lb uplift at ot depict the s	ds. Dpsf om ng ty of					
FORCES	(lb) - Maximum Corr	pression/Maximum											
TOP CHORD	Tension 1-2=0/14, 2-3=-1819 5-6=-2551/484, 6-7= 6-14=-1002/225		, ,										90.
BOT CHORD	2-12=-314/1492, 10 9-10=-12/93, 8-9=0/	,										"TH CA	Ro
WEBS	3-12=0/562, 3-10=-1 10-13=-68/1336, 5-1 13-14=-118/20, 6-13 3-13=-486/2475	1706/375, 13=-70/1294,								2	A.C.	OR HES	
NOTES										3		SEA	LIE
Vasd=103 Cat. II; Exp Exterior(2E 15-11-13, 22-2-7 to 2 MWFRS fo grip DOL=	CE 7-16; Vult=130mph imph; TCDL=6.0psf; B p C; Enclosed; MWFR E) -0-9-7 to 3-7-6, Inte Exterior(2R) 15-11-13 25-11-8 zone;C-C for r or reactions shown; Lu e1.60 dequate drainage to pr	CDL=6.0psf; h=15ft; S (envelope) and C- rior (1) 3-7-6 to to 22-2-7, Interior (1 nembers and forces imber DOL=1.60 plat) & e							1111WY	A MARTINE	2867	EFR. GLUNN

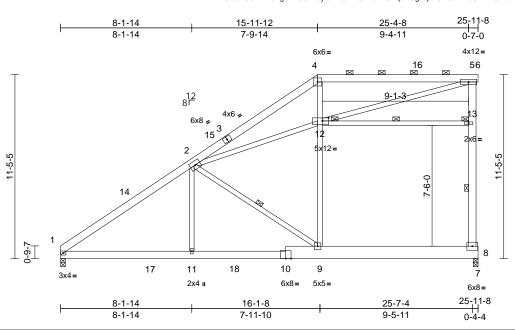
March 13,2025

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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	C5	Piggyback Base	1	1	Job Reference (optional)	171972245

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:71.6 Plate Offsets (X, Y): [12:0-4-12,0-2-4]

	(7, 1). [12.0 4 12,0 2	-				-							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC202	1/TPI2014	CSI TC BC WB Matrix-S	0.51 0.44 0.81	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.21 -0.35 0.02 0.12	(loc) 9-11 9-11 8 9-11	l/defl >999 >878 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 249 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS JOINTS REACTIONS	2x6 SP No.1 *Excep 2x4 SP No.2 *Excep Structural wood she 4-3-15 oc purlins, e 2-0-0 oc purlins (4-4 Rigid ceiling directly bracing. 1 Row at midpt 1 Brace at Jt(s): 12, 13	tt* 5-8:2x6 SP No.1 athing directly applie xcept end verticals, I-14 max.): 4-6. applied or 10-0-0 or 8-13, 2-9, 12-13 B=0-3-8 C 12) C 12), 8=-124 (LC 9)	1 4) ed or 5) c 6) 7)	chord live loa * This truss l on the bottoo 3-06-00 tall l chord and at Bearings are capacity of 5 565 psi. Provide mec bearing plate joint 8 and 1 Graphical pu		with any d for a liv as where vill fit betv s, with BC Joint 1 S P No.1 cru n (by oth tanding 1 1. n does no	other live load e load of 30. a rectangle veen the bott DL = 10.0ps > No.1 crushi ushing capac ers) of truss i 24 lb uplift a	Opsf om f. ing ity of to t					
FORCES	4-5=-2554/485, 5-6=	3072/479,	5,										
BOT CHORD WEBS	5-13=-1002/225 1-11=-314/1496, 9-1 8-9=-12/93, 7-8=0/0 2-11=0/565, 2-9=-17 4-12=-72/1297, 12-1 5-12=-489/2684, 2-1	710/376, 9-12=-70/1: 13=-118/20,	339,								A LAND	ORTERS	ROJINA
Vasd=103 Cat. II; Ex Exterior(21 15-11-12, 22-2-7 to 2 MWFRS fo grip DOL=	CE 7-16; Vult=130mph mph; TCDL=6.0psf; B p C; Enclosed; MWFR E) 0-1-12 to 4-6-9, Inte Exterior(2R) 15-11-12 25-11-8 zone;C-C for r or reactions shown; Lu	(3-second gust) CDL=6.0psf; h=15ft; S (envelope) and C- rrior (1) 4-6-9 to to 22-2-7, Interior (1 nembers and forces imber DOL=1.60 pla) & te								J. J. L.	SEA 2867 OKN L. G	E.P. ALING

March 13,2025

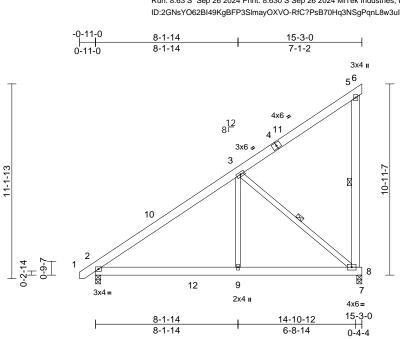


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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	C6	Monopitch	1	1	Job Reference (optional)	171972246

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale :	= 1.66

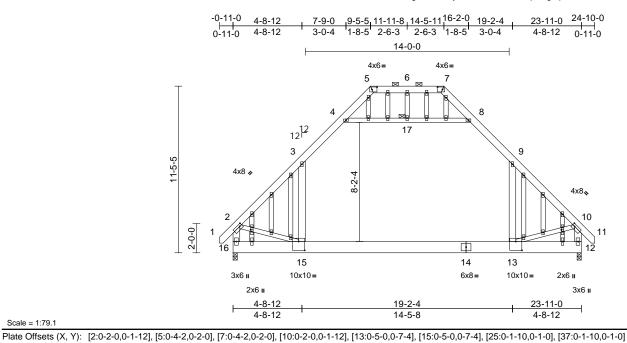
Scale = 1:66				0-1-14		0-	0-14	0-2	1-4			
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.26 0.26 0.28	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.04 -0.08 0.01 0.02	(loc) 2-9 2-9 8 2-9	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 125 lb	GRIP 244/190 ET = 20%
LUMBER			LOAD CASE(S)		-	()						
TOP CHORD												
BOT CHORD WEBS	2x6 SP No.1											
BRACING	2x4 SP No.2 *Excep	JL 5-0.2X0 SP NU.1										
IRACING OP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.												
BOT CHORD	Rigid ceiling directly bracing.		c									
WEBS	0	5-8, 3-8										
REACTIONS												
	Max Horiz 2=345 (LC	,										
	Max Uplift 8=-183 (L	,	`									
	Max Grav 2=763 (LC)									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-2=0/14, 2-3=-773/	0. 3-5=-157/85.										
	5-6=-12/0, 5-8=-185											
BOT CHORD	2-9=-218/635, 8-9=-	,										
WEBS	3-9=0/450, 3-8=-821	1/282										
NOTES		(a										
	CE 7-16; Vult=130mph mph; TCDL=6.0psf; B											
	p C; Enclosed; MWFR										11111 CA	1111
	E) -0-9-7 to 3-7-6, Inte										THUA	ROUT
	for members and force									5	OFESS	ich Martin
reactions : DOL=1.60	shown; Lumber DOL=	1.60 plate grip								33		PN. 7 -
	, has been designed for	r a 10.0 psf bottom								7		the is
	load nonconcurrent wi		ds.								SEA	r 1 E
	s has been designed f								=	. :	JLA	<u>-</u> : =
	tom chord in all areas								Ξ		2867	1 : E
	Il by 2-00-00 wide will any other members, v										S	1 8
	any other members, v									3	1. 6.	AINE
capacity o									11	SEA 2867	EF. CT.	
	echanical connection (1	NI C	AL IN TH
	ate capable of withstar	nding 183 lb uplift at									111 L. G	a line
joint 8.												11.
											March	EFR. of Automation ALINSTITUTE 13,2025
	JING - Verify design parameter		THIS AND INCLUDED MITEK R		1-7473 rov 1	/2/2023 BEEOD	EUSE				ENCINEED	

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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	D1-GE	GABLE	1	1	Job Reference (optional)	171972247

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:	79.1
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Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.65	Vert(LL)	-0.31	13-15	>918	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.47	Vert(CT)	-0.49	13-15	>570	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.22	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code	IRC202	1/TPI2014	Matrix-S		Wind(LL)	0.10	13-15	>999	240	Weight: 271 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x6 SP 2400F 2.0E No.1 2x10 SP 2400F 2.0E 2x6 SP No.1 *Excep 17-6,15-2,13-10:2x4 2x4 SP No.2 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Brace at Jt(s): 17 (size) 12=0-3-8, Max Horiz 16=376 (I Max Grav 12=1656 (Ib) - Maximum Com Tension 1-2=0/44, 2-3=-1884 4-5=-275/190, 7-8=- 9-10=-1883/0, 10-11 6-7=-66/375, 2-16=- 15-16=-329/590, 13-	*Except* 5-7:2x6 SP : t* 4-8:2x4 SP No.1, SP No.2 athing directly applied cept end verticals, an -0 max.): 5-7. applied or 10-0-0 oc 16=0-3-8 .C 11) (LC 2), 16=1656 (LC pression/Maximum 1/0, 3-4=-1128/97, 275/190, 8-9=-1128/97, 275/190, 8-9=-1128/97, 1856/0, 10-12=-1857	2) d or d 3) 5) 2) 6) 7) 8) 97, 9)	Wind: ASCE Vasd=103mj Cat. II; Exp (MWFRS (en -0-9-10 to 3- 9-6-7 to 13-1 (2R) 14-4-9 t zone; end ve members an Lumber DOL Truss desigr only. For stu see Standare or consult qu Provide adea All plates are Truss to be f braced agair Gable studs This truss ha chord live loa * This truss ha chord live loa * This truss ha	Matrix-S 7-16; Vult=130mp bh; TCDL=6.0psf; C; Enclosed; Gable velope) exterior zc 7-3, Interior (1) 3-7 1-4, Interior (1) 13-7 1-4, Interior (1) 13-7 to 18-9-6, Interior (1) ritical left and right d forces & MWFR: =1.60 plate grip D led for wind loads uds exposed to wird d industry Gable E valified building dei quate drainage to p 2x4 MT20 unless ully sheathed from stateral moveme spaced at 1-4-0 or is been designed ad nonconcurrent has been designed n chord in all area by 2-0-00 wide winy o ther members.	BCDL=6 a Roof; H one and if 7-3 to 9-14 8-11-4 to (1) 18-9- i expose S for rea OCL=1.6(in the pland (norm ind Deta signer as prevent if a otherwin o one fac one fac for a 10.1 with any d for a livs s where ill fit betw	cond gust) cond gust) congst; h=15ft lip Truss; C-C Exterior(5-7, Exterior(14-4-9, Exterior(14-4-9, Exterior(6-to 24-8-10 d; C-C for ctions showr ane of the tru al to the face ils as applica s per ANSI/T water pondin se indicated. p of bottom other live load of 30. a rectangle	; (2E) 2R) rrior n; iss 9), bble, PI 1. g. /). ads. 0psf	13-15				FT = 20%
WEBS		/930, 4-17=-1379/78, /=0/118, 2-15=-24/95	6,	4-17, 8-17; 9-13	load (10.0 psf) on Wall dead load (5.0	0psf) on	member(s).3	8-15,			N. N.	O JESS	M.
NOTES 1) Unbalanced roof live loads have been considered for this design.				 * This truss has been designed for a live load of 30.0psf 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) Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-17, 8-17; Wall dead load (5.0psf) on member(s).3-15, 9-13 11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15 12) All bearings are assumed to be SP 2400F 2.0E crushing capacity of 805 psi. 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 14) Attic room checked for L/360 deflection. LOAD CASE(S) Standard 							FR. C.		

- 14) Attic room checked for L/360 deflection.
- LOAD CASE(S) Standard

March 13,2025

Page: 1

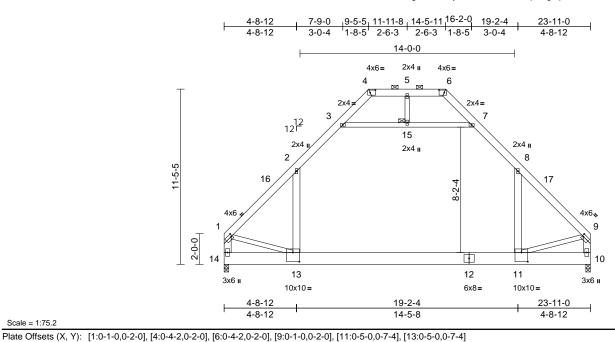
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818 Soundside Road Edenton, NC 27932

L. GA mmm

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	D2	Piggyback Base	10	1	Job Reference (optional)	171972248

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:75.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.31	11-13	>906	360	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.50	11-13	>561	240	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.01	10	n/a	n/a	

 LUMBER TOP CHORD 2x6 SP 2400F 2.0E *Except* 4-6:2x6 SP No.1 BOT CHORD 2x10 SP 2400F 2.0E *Except* 4-6:2x6 SP No.1 BOT CHORD 2x10 SP 2400F 2.0E *Except* 3-7:2x4 SP No.1, 15:5,13-1,11-9:2x4 SP No.2 BRACING TOP CHORD Structural wood sheathing directly applied or 6-0:0 cc purlins (6:-0:0 max): 4-6. BOT CHORD Rigid ceiling directly applied or 10:-0:0 cc bracing. JOINTS 1 Brace at Jt(s): 15 REACTIONS (size) 10:-0:-36, 14=0:-3-8 Max Horiz 14=223 (LC 9) Max Grav 10:=1604 (LC 2), 14=1604 (LC 2) (b) - Maximum Compression/Maximum Tension TOP CHORD 1:2-:1875/0, 2:3=-1131/123, 3:4=-288/133, 6:7=-286/133, 7:8=-1131/143, 3:4=-1350, 9:10:-1826/0 BOT CHORD 1:2-:1875/0, 2:3=-1131/123, 3:4=-288/133, 6:7=-286/193, 7:8=-1131/143, 3:4=-1825/0, 9:10:-1826/0 BOT CHORD 1:3-14=-223/404, 11:13=-0/1154, 10:-11=-41/233] WEBS 2:-13:0/089, 8:11-0/089, 3:15=-1391/82, 7:15=:1391/82, 5:15=0/118, 1:13=0/1022, All bearings are assumed to be SP 2400F 2.0E crushing capacity of 805 psi. 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
9-11=0/1025 NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-2-12 to 4-8-12, Interior (1) 4-8-12 to 9-6-7, Exterior(2E) 9-6-7 to 14-4-9, Exterior(2R) 14-4-9 to 20-7-4, Interior (1) 20-7-4 to 23-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60



GRIP

244/190

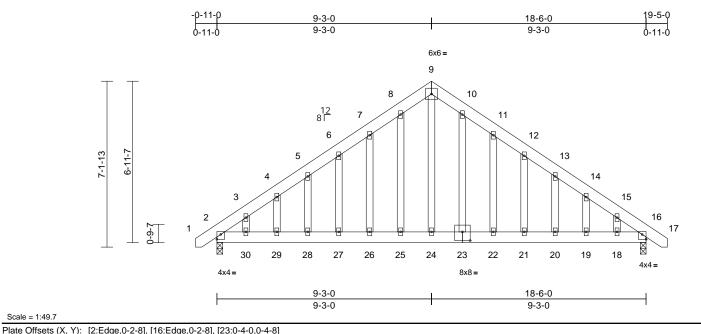
Page: 1

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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	E1-GE	GABLE	1	1	Job Reference (optional)	171972249

Run; 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:49.7

NOTES

this design.

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.07	27-28	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.11	27-28	>999	240			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	16	n/a	n/a			
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S		Wind(LL)	0.10	27-28	>999	240	Weight: 162 lb	FT = 20%	

LUMBER	
TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 2=0-3-0, 16=0-3-0
	Max Horiz 2=200 (LC 11)
	Max Uplift 2=-165 (LC 12), 16=-165 (LC 13)
	Max Grav 2=785 (LC 1), 16=785 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/14, 2-3=-894/728, 3-4=-808/691,
	4-5=-774/693, 5-6=-749/703, 6-7=-726/712,
	7-8=-711/736, 8-9=-669/733, 9-10=-669/734,
	10-11=-711/736, 11-12=-726/712,
	12-13=-749/703, 13-14=-774/693,
	14-15=-808/691, 15-16=-894/728,
	16-17=0/14
BOT CHORD	2-30=-464/616, 29-30=-464/616,
	28-29=-464/616, 27-28=-464/616,
	26-27=-464/616, 25-26=-464/616,
	24-25=-464/616, 22-24=-464/616, 21-22=-464/616, 20-21=-464/616,
	21-22=-464/616, 20-21=-464/616, 19-20=-464/616, 18-19=-464/616,
	19-20=-464/616, 18-19=-464/616, 16-18=-464/616
WEBS	9-24=-520/420, 8-25=-35/43, 7-26=-63/57,
WEB3	6-27=-47/47, 5-28=-49/48, 4-29=-40/46,
	3-30=-56/65, 10-23=-35/43, 11-22=-63/57,
	12-21=-47/47, 13-20=-49/48, 14-19=-40/46,
	15-18=-56/65

1) Unbalanced roof live loads have been considered for

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 4) All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 1-4-0 oc. 5)

This truss has been designed for a 10.0 psf bottom 6) chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 30.0psf 7) 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. 8) All bearings are assumed to be SP No.1 crushing capacity of 565 psi.

LOAD CASE(S) Standard



March 13,2025

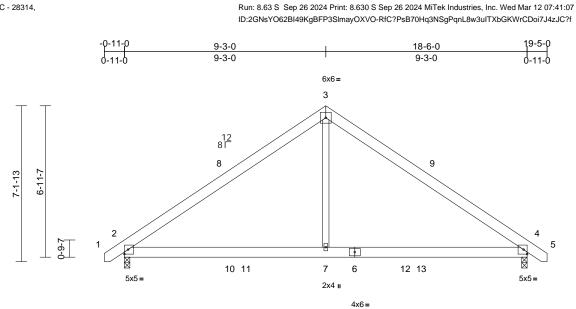


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²⁾ Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-9-7 to 3-7-6, Interior (1) 3-7-6 to 9-3-0, Exterior(2R) 9-3-0 to 13-7-13, Interior (1) 13-7-13 to 19-3-7 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

⁹⁾ Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 16 and 165 lb uplift at joint 2.

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	E2	COMMON	2	1	Job Reference (optional)	171972250



			1	9-3-0		18-6-0					
			ļ (9-3-0		9-3-0					
Scale = 1:52.9											
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.07	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.12	2-7	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	4	n/a	n/a		FT 000/
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S		Wind(LL)	0.11	2-7	>999	240	Weight: 110 lb	FT = 20%
LUMBER			6) Provide med	hanical connection	(by oth	ers) of truss t	to					
TOP CHORD	2x6 SP No.1			e capable of withsta	anding 1	15 lb uplift at	t joint					
BOT CHORD	2x6 SP No.1		4 and 115 lb	uplift at joint 2.								
WEBS	2x4 SP No.2		LOAD CASE(S)	Standard								
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or										
DEACTIONS	bracing.	1 0 2 0										
	(size) 2=0-3-0, 4 Max Horiz 2=160 (L0											
	Max Uplift 2=-115 (L											
	Max Grav 2=931 (LC											
FORCES	(lb) - Maximum Com											
	Tension											
TOP CHORD	1-2=0/14, 2-3=-1089	0/793, 3-4=-1089/793	3,									
	4-5=0/14											
BOT CHORD	2-7=-499/790, 4-7=-	499/790										
WEBS	3-7=-589/713											
NOTES												
/	ed roof live loads have	been considered for	ſ								OR TH CA	
this design	ı. CE 7-16; Vult=130mph	(2 cocond quet)										
	mph; TCDL=6.0psf; B											
	C; Enclosed; MWFR										TH UA	ROUT
	E) -0-9-7 to 3-7-6, Inte									S	ON	in the second
	R) 9-3-0 to 13-7-13, In									:2		N. SI
	e; porch left and right									3 🗣	AN I	A. E
	and forces & MWFRS											J 1 1 1 1 2
	DL=1.60 plate grip DO has been designed for								=	:	SEA	L : =
	load nonconcurrent wi		ds						- 3		2867	7 : E
	s has been designed f								-		: 2007	1 2
	tom chord in all areas									-	N	1 3
	ll by 2-00-00 wide will									50	SEA 2867	-ERILLS
	any other members, v									11	GIN	S. S.
	s are assumed to be S	SP No.1 crushing								1	INI G	ALIN
capacity of	i 565 psi.										L.G.	in in it.
											. ann	

March 13,2025

Page: 1

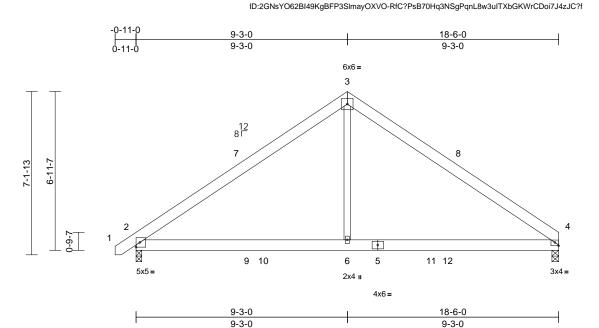


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	E3	COMMON	1	1	Job Reference (optional)	171972251

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:07

Comtech, Inc, Fayetteville, NC - 28314,



Scale = 1:50.4	
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Plate Offsets (X, Y): [4:Edge,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	1.15	тс	0.43	Vert(LL)	-0.07	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.12	2-6	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S		Wind(LL)	0.11	2-6	>999	240	Weight: 108 lb	FT = 20%

LUMBER		
TOP CHORD	2x6 SP N	0.1
BOT CHORD	2x6 SP N	o.1
WEBS	2x4 SP N	0.2
BRACING		
TOP CHORD	Structura	wood sheathing directly applied or
	6-0-0 oc p	ourlins.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	2=0-3-0, 4=0-3-8
	Max Horiz	2=158 (LC 11)
	Max Uplift	2=-115 (LC 9), 4=-110 (LC 8)
	Max Grav	2=931 (LC 2), 4=884 (LC 2)

FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/14, 2-3=-1088/792, 3-4=-1060/793 BOT CHORD 2-6=-514/790, 4-6=-514/790

WEBS 3-6=-587/714

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-9-7 to 3-7-6, Interior (1) 3-7-6 to 9-3-0, Exterior(2R) 9-3-0 to 13-7-13, Interior (1) 13-7-13 to 18-4-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 3) chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) All bearings are assumed to be SP No.1 crushing capacity of 565 psi.

6) Provide mechanical connection (by others) of truss to

- bearing plate capable of withstanding 110 lb uplift at joint
- 4 and 115 lb uplift at joint 2.
- LOAD CASE(S) Standard



March 13,2025

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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	E4	COMMON	1	1	Job Reference (optional)	171972252

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

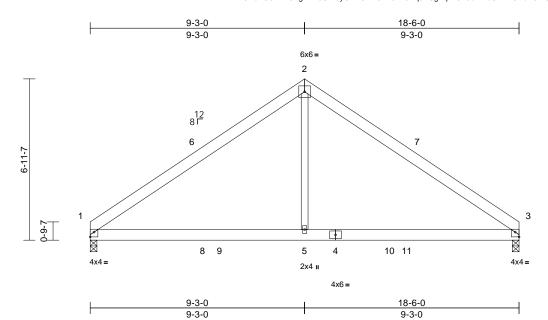


Plate Offsets (X, Y): [1:Edge,0-2-8], [3:Edge,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.43	Vert(LL)	-0.07	1-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.12	1-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S		Wind(LL)	0.11	1-5	>999	240	Weight: 105 lb	FT = 20%

LUMBER		
TOP CHORD	2x6 SP No.1	
BOT CHORD	2x6 SP No.1	
WEBS	2x4 SP No.2	
BRACING		
TOP CHORD	Structural wood sheath	ning directly applied or
	6-0-0 oc purlins.	
BOT CHORD	Rigid ceiling directly ap	oplied or 10-0-0 oc
	bracing.	
REACTIONS	(size) 1=0-3-8, 3=0	0-3-8
REACTIONS	(size) 1=0-3-8, 3=0 Max Horiz 1=155 (LC 1	
REACTIONS	()	1)
REACTIONS	Max Horiz 1=155 (LC 1	1) 9), 3=-110 (LC 8)
REACTIONS	Max Horiz 1=155 (LC 1 Max Uplift 1=-110 (LC	1) 9), 3=-110 (LC 8) 2), 3=884 (LC 2)
	Max Horiz 1=155 (LC 1 Max Uplift 1=-110 (LC Max Grav 1=884 (LC 2	1) 9), 3=-110 (LC 8) 2), 3=884 (LC 2)
	Max Horiz 1=155 (LC 1 Max Uplift 1=-110 (LC Max Grav 1=884 (LC 2 (lb) - Maximum Compr	1) 9), 3=-110 (LC 8) 2), 3=884 (LC 2) ession/Maximum
FORCES	Max Horiz 1=155 (LC 1 Max Uplift 1=-110 (LC Max Grav 1=884 (LC 2 (Ib) - Maximum Compr Tension	1) 9), 3=-110 (LC 8) 2), 3=884 (LC 2) ession/Maximum 060/791

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 4-6-9, Interior (1) 4-6-9 to 9-3-0, Exterior(2R) 9-3-0 to 13-7-13, Interior (1) 13-7-13 to 18-4-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 3) chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) All bearings are assumed to be SP No.1 crushing capacity of 565 psi.

Provide mechanical connection (by others) of truss to 6)

bearing plate capable of withstanding 110 lb uplift at joint

1 and 110 lb uplift at joint 3. LOAD CASE(S) Standard



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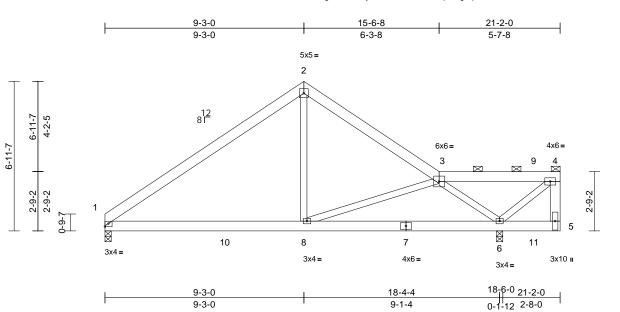


Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	E5	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)	171972253

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:53.6

Plate Offsets (X, Y): [1:Edge,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	1.15		тс	0.49	Vert(LL)	-0.09	1-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.45	Vert(CT)	-0.15	1-8	>999	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.40	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC202	1/TPI2014	Matrix-S		Wind(LL)	0.04	1-8	>999	240	Weight: 140 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x6 SP No.1 2x6 SP No.1 *Excep 2.0E 2x4 SP No.2 *Excep Structural wood she 6-0-0 cc purlins, ex 2-0-0 cc purlins (10- Rigid ceiling directly bracing.	t* 7-5:2x6 SP 2400F t* 4-5:2x6 SP No.1 athing directly applie cept end verticals, a 0-0 max.): 3-4. applied or 6-0-0 oc S=0-3-8 C 5) : 27), 6=-362 (LC 9)	6) - 7) ed or 8) nd 9)	Bearings are capacity of 5 capacity of 8 Provide mec bearing plate 1 and 362 lb Graphical pu or the orient bottom chore Hanger(s) or provided suf down and 11 down and 23 lb up at 19-	assumed to be: 65 psi, Joint 6 SF 05 psi. hanical connectico capable of withs uplift at joint 6. rlin representatio ation of the purlin	P 2400F 2 on (by oth standing 9 on does no along the n device(s concentra 4 on top c -4, and 14 nord. The	No.1 crush OE crushing ers) of truss 9 lb uplift at ot depict the top and/or) shall be ated load(s) : hord, and 18 5 lb down a c design/sele	to joint size 39 lb 320 lb ad 37 ection					
FORCES	(lb) - Maximum Com Tension) In the LOAD	CASE(S) section are noted as front			face					
TOP CHORD	1-2=-672/181, 2-3=- 4-5=-177/1142	653/200, 3-4=-238/1	^{324,} L(Dood L Boy	Standard of Live (balanced)): Lumbor	Incrosco_1	15					
BOT CHORD WEBS	1-8=-116/501, 6-8=- 2-8=-65/299, 3-8=-1 4-6=-1912/358	,	3 .,	Plate Increa Uniform Lo Vert: 1-2	ase=1.15 ads (lb/ft) =-60, 2-3=-60, 3-4	,		. 10,				mmm	uun,
 this desig Wind: AS Vasd=103 Cat. II; Ex DOL=1.60 Provide at This truss chord live This truss on the bot 3-06-00 ta 	ed roof live loads have n. CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B cp C; Enclosed; MWFR p C; Enclosed; MWFR of CDL=1.60 dequate drainage to pr has been designed fo load nonconcurrent wi s has been designed f ttom chord in all areas all by 2-00-00 wide will t any other members, v	(3-second gust) CDL=6.0psf; h=15ft; S (envelope); Lumbo event water ponding r a 10.0 psf bottom th any other live load or a live load of 30.0 where a rectangle fit between the bottoc	er I. ds. Ipsf		ed Loads (Ib) -1674 (F=-145, E	3=-1529)					And	SEA 2867	EER. Chin

- Provide adequate drainage to prevent water ponding. 3)
- 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 30.0psf 5) on the bottom chord in all areas where a rectangle
- 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

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/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut Information, purplication component component durate propagate component for the prevention. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

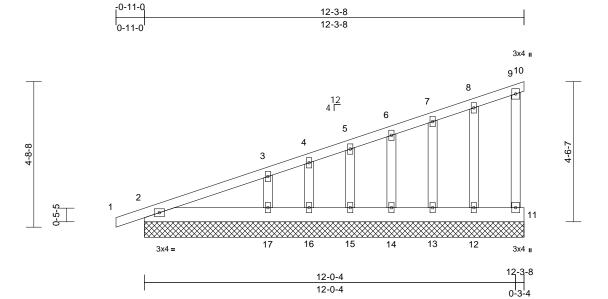


GA mmm March 13,2025

Job	Truss Type		Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	G1-GE	Monopitch Supported Gable	1	1	Job Reference (optional)	171972254

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:8A?uEx60N3actcNU5I2D?GzbINZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:37.3

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC202 ²	I/TPI2014	CSI TC BC WB Matrix-S	0.17 0.04 0.06	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 74 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x6 SP No.1 2x4 SP No.2 2x4 SP No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 2=12-3-8 12=12-3-8 12=12-3-8 Max Horiz 2=251 (LC Max Uplift 2=-69 (LC 13=-48 (L 15=-61 (L 17=-158 (Max Grav 2=193 (LC (LC 1), 12 1), 14=10	applied or 10-0-0 oc 10=12-3-8, 11=12-3-4 3, 13=12-3-8, 14=12-3 3, 16=12-3-8, 17=12-3 C7) C9), 10=-44 (LC 6), C 9), 12=-65 (LC 6), C 10), 14=-51 (LC 6), C 10), 16=-17 (LC 3), LC 10)	or 2) 3, -8, -8 3) 4) 5) 6) 7) =51 (LC	Vasd=103mp Cat. II; Exp O MWFRS (em -0-11-0 to 2- cantilever lef right exposed for reactions DOL=1.60 Truss design only. For stu see Standard or consult qu All plates are Gable requirn Gable studs This truss ha chord live loa * This truss to on the bottor 3-06-00 tall b chord and ar	7-16; Vult=130mp bh; TCDL=6.0psf; I C; Enclosed; Gable velope) exterior zo 1-0, Exterior(2N) 2 t and right expose d;C-C for members shown; Lumber D ed for wind loads i ids exposed to win d Industry Gable E alified building des e 2x4 MT20 unless es continuous bott spaced at 1-4-0 oo s been designed f ad nonconcurrent v has been designed in chord in all areas by 2-00-00 wide win by other members. are assumed to be	BCDL=5 Roof; C ne and 0 -1-0 to 1 d; end v s and for OL=1.60 in the pla d (norm in d Deta signer as o therwi oom chor c. or a 10.0 with any I for a liv s where II fit betw	.0psf; h=30ff common Tru: C-C Corner(2 2-3-8 zone; ertical left ar ces & MWFI) plate grip ane of the tru al to the face ils as applica s per ANSI/T se indicated. d bearing. D psf bottom other live loa e load of 20. a rectangle veen the bott	ss; 3E) nd RS uss s), able, PI 1. PI 1. ads. Opsf					
FORCES	(lb) - Maximum Com Tension 1-2=0/14, 2-3=-203/2	•	9)	Provide mec bearing plate	hanical connection capable of withsta	anding 4	4 lb uplift at	joint				TH CA	RO
BOT CHORD	4-5=-132/172, 5-6=- 7-8=-102/137, 8-9=- 9-11=-101/53	122/157, 6-7=-111/14 86/114, 9-10=-33/13, '=-77/138, 5=-77/138,	10	uplift at joint 15, 51 lb upli uplift at joint) Beveled plate	e or shim required truss chord at joint	oint 16, 6 uplift at to provi	51 lb uplift at joint 13 and	joint 65 lb		ATT THE	N.	SEA 2867	
WEBS		5=-16/29, 5-15=-92/14 -80/132, 8-12=-100/9											ala
NOTES											annin ann	SHOL G	ALINSKII

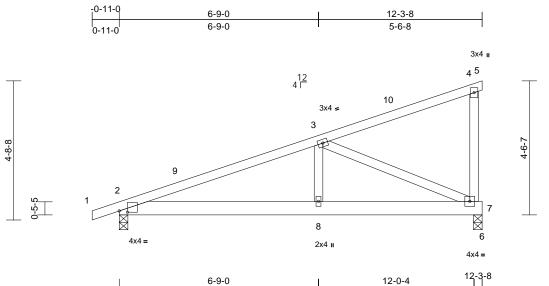
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 **ANSUTP11 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.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

March 13,2025

Job	Truss	Truss Type		Ply	Lot 4 Mabry Ridge			
J0325-1367	G2	Monopitch	10	1	Job Reference (optional)	171972255		

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:BFpHgdgRr?1jY4cZ_BPnYhzbIO7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



	6-9-0	ł	5-3-4	0-3-4
Scale = 1:39				
Plate Offsets (X, Y): [2:0-3-6,0-0-8]				

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.34 0.21 0.43	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.03 -0.05 0.01	(loc) 2-8 2-8 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 66 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING	2x4 SP No.1 2x6 SP No.1 2x4 SP No.2		bearing plat	chanical connectio e capable of withs 131 lb uplift at joint) Standard	tanding 1								
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly	cept end verticals.											
	bracing.												
FORCES	(lb) - Maximum Com Tension												
TOP CHORD BOT CHORD WEBS	1-2=0/14, 2-3=-822/ 4-5=-2/0, 4-7=-127/ 2-8=-391/717, 7-8=- 3-8=0/286, 3-7=-765	149 391/717, 6-7=0/0											
NOTES													
1) Wind: ASC Vasd=103i Cat. II; Exp Exterior(2E Exterior(2E right expos	E 7-16; Vult=130mph mph; TCDL=6.0psf; B b C; Enclosed; MWFR E) -0-11-0 to 2-1-0, Int E) 9-3-8 to 12-3-8 zon sed ; end vertical left a trs and forces & MWF	CDL=5.0psf; h=30ft; S (envelope) and C- erior (1) 2-1-0 to 9-3 e; cantilever left and ind right exposed;C-	-8, C							and a second	OR LESS	ROLLATIN	

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.

All bearings are assumed to be SP No.1 crushing 4) capacity of 565 psi.

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March 13,2025

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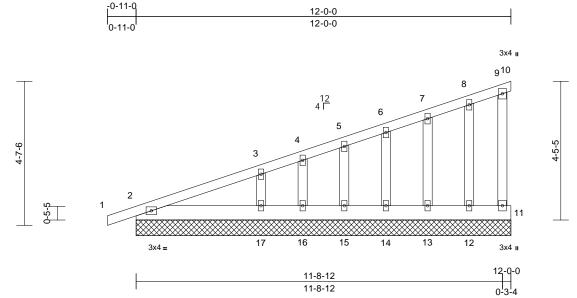


Job	Truss	Truss Type		Ply	Lot 4 Mabry Ridge				
J0325-1367	G3-GE	Monopitch Supported Gable	1	1	Job Reference (optional)	171972256			

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:NjdaqSqfEV753qy0cM7IRwzbIMd-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:36.9

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES	1/TPI2014	CSI TC BC WB Matrix-S	0.16 0.05 0.06	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 73 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.1 2x6 SP No.1 2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 Structural wood shea 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 2=12-0-0, 12=12-0-0 15=12-0-0 Max Horiz 2=245 (LC Max Uplift 2=-71 (LC 11=-73 (L 11=-73 (L 11=-73 (L 15=-61 (L 17=-158 (Max Grav 2=193 (LC (LC 6), 12 1), 14=10	athing directly applied cept end verticals. applied or 10-0 oc 10=12-0-0, 11=12-0- 0, 13=12-0-0, 14=12-0 0, 16=12-0-0, 17=12-0 2 7) : 6), 10=-43 (LC 6), C 10), 14=-51 (LC 6), C 10), 14=-51 (LC 6), C 10), 16=-17 (LC 3), LC 10)	1) or 2) 0, -0, -0, 3) 4) 5) 6) 7) =41 (LC	Wind: ASCE Vasd=103mp Cat. II; Exp C MWFRS (env -0-11-0 to 2- cantilever left right exposed for reactions DOL=1.60 Truss design only. For stu see Standard or consult qu All plates are Gable requirin Gable studs This truss ha chord live loa * This truss ha on the bottor 3-06-00 tall b chord and ar	7-16; Vult=130mp oh; TCDL=6.0psf; E ; Enclosed; Gable velope) exterior zo 1-0, Exterior(2N) 2- t and right exposed d;C-C for members shown; Lumber DC ed for wind loads i ds exposed to wind d Industry Gable En alified building des e zx4 MT20 unless es continuous bottt spaced at 1-4-0 oc s been designed for ad nonconcurrent w has been designed n chord in all areas by 2-00-00 wide wil ay other members. are assumed to be	BCDL=5 Roof; C ne and -1-0 to ' d; end ' s and fo DL=1.60 n the pl d (norm nd Deta signer a: otherwi om chor s. or a 10. vith any for a liv s where I fit betw	.0psf; h=30ft; common Trus C-C Corner(3) (2-0-0 zone; vertical left an rces & MWFR) plate grip ane of the trus al to the face; ils as applical s per ANSI/TF se indicated. d bearing.) psf bottom other live load e load of 20.0 a rectangle veen the bottom	s; E) d SS ss), ble, PI 1. ds. dpsf					
FORCES	,	210, 3-4=-137/162, 117/153, 6-7=-107/14	9) 2,	Provide mec bearing plate 10, 73 lb upli uplift at joint	hanical connection capable of withsta ft at joint 11, 71 lb 17, 17 lb uplift at jo ft at joint 14, 49 lb	anding 4 uplift at pint 16, (3 lb uplift at jo joint 2, 158 lb 51 lb uplift at j	oint) joint			A.M.	SEA 2867	ROUNT
BOT CHORD	9-11=-79/42 2-17=-75/135, 16-17 15-16=-75/135, 14-1 13-14=-75/135, 12-1 11-12=-75/135	5=-75/135,		uplift at joint Beveled plate	12. e or shim required truss chord at joint	to provi				Contraction of the second s		SEA 2867	L 77
WEBS	3-17=-214/331, 4-16	5=-16/29, 5-15=-92/14 -82/136, 8-12=-96/71	4,									Enco	RINE
NOTES											and a	OFN L.G	ALINSTIN

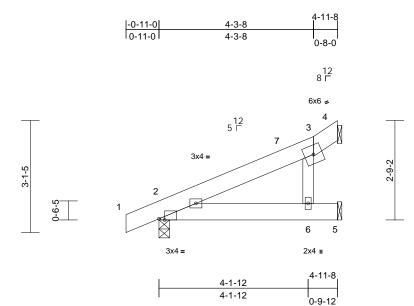
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

March 13,2025

Job	Truss	Truss Type Q		Ply	Lot 4 Mabry Ridge			
J0325-1367	J1	JACK-OPEN	1	1	Job Reference (optional)	171972257		

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:32

Plate Offsets (X, Y): [2:0-1-14,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	1.15	тс	0.09	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.02	2-6	>999	240		
BCLL 0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code	IRC2021/TPI2014	Matrix-P		Wind(LL)	0.01	2-6	>999	240	Weight: 30 lb	FT = 20%
LUMBER TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 WEBS 2x4 SP No.2 BRACING TOP CHORD Structural wood shear 4-11-8 oc purlins. BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 2=0-3-8, 4 Mechanica Max Horiz 2=81 (LC Max Uplift 2=-23 (LC (LC 12) Max Grav 2=261 (LC (LC 1)	applied or 6-0-0 oc l= Mechanical, 5= al 12) .8), 4=-10 (LC 12), 5	capacity of 4 6) Refer to girc 7) Provide mer bearing plat 4, 23 lb uplit LOAD CASE(S)	ler(s) for truss to tu chanical connection e capable of withst t at joint 2 and 25 l	russ con n (by oth anding 1	nections. ers) of truss t 0 lb uplift at j	to					
FORCES (lb) - Maximum Com Tension TOP CHORD 1-2=0/19, 2-3=-118/7 BOT CHORD 2-6=-12/13, 5-6=0/0 WEBS 3-6=-147/169											
 NOTES Unbalanced roof live loads have this design. Wind: ASCE 7-16; Vult=130mph Vasd=103mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclosed; MWFRS Exterior(2E) -0-11-0 to 3-5-13, In 4-10-12 zone;C-C for members a for reactions shown; Lumber DOI DOL=1.60 This truss has been designed for chord live load nonconcurrent wii * This truss has been designed for on the bottom chord in all areas v 3-06-00 tall by 2-00-00 wide will f chord and any other members. 	(3-second gust) CDL=6.0psf; h=15ft; S (envelope) and C- terior (1) 3-5-13 to and forces & MWFR: L=1.60 plate grip r a 10.0 psf bottom th any other live load or a live load of 30.0 where a rectangle	C S Is. psf							and states	SEA 2867	EFB. C.

March 13,2025

Page: 1



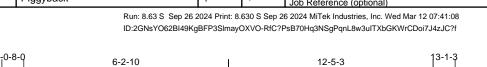
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 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.sbcacomponents.com)

Job	Truss	Truss Type Qty		Ply	Lot 4 Mabry Ridge	
J0325-1367	PB1	Piggyback	1	1	Job Reference (optional)	171972258

6-2-10

0-8-0

Comtech, Inc, Fayetteville, NC - 28314,



6-2-10

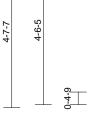


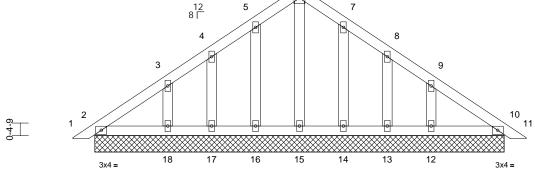
0-8-0

5 7 ø 8 P

12-5-3

4x4 = 6





Scal	e =	1:35	

Loading TCLL (roof) TCDL	(psf) 20.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.04 0.03	DEFL Vert(LL) Vert(CT)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2021/1	TPI2014	WB Matrix-S	0.03	Horz(CT)	0.00	10	n/a	n/a	Weight: 69 lb	FT = 20%
FORCES TOP CHORD BOT CHORD WEBS NOTES	2x4 SP No.1 2x4 SP No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) $2=12-5-3$ 13=12-5- 16=12-5- Max Horiz $2=-133$ (L Max Uplift $2=-17$ (LC 13=-49 (L 16=-57 (L 18=-98 (L 12=194 (I) 14=126 (I) 16=129 (I) 16=129 (I) 16=129 (I) 16=129 (I) 1-2=0/12, 2-3=-107/ 4-5=-67/33, 5-6=-91 7-8=-59/81, 8-9=-47 10-11=0/12 2-18=-47/97, 17-18 15-16=-47/97, 10-12 6-15=-87/24, 5-16=- 3-18=-142/115, 7-14 9-12=-141/115	C 8), 12=-97 (LC 13), LC 13), 14=-54 (LC 12), LC 12), 17=-48 (LC 12), C 20), 10=109 (LC 1), LC 20), 10=109 (LC 1), LC 20), 13=91 (LC 20), LC 20), 15=113 (LC 2), LC 19), 17=90 (LC 19), LC 19), npression/Maximum /99, 3-4=-82/69, /128, 6-7=-91/128, r/35, 9-10=-72/54, =-47/97, 16-17=-47/9 5=-47/97, 16-17=-47/9 5=-47/97, 13-14=-47/9 5=-47/97, 13-14=-47/97 5=-47/97, 13-14=-47/97 5=-47/97	d or (-3, 3) - 5-3, 3 5-3, 4) / (3), 6) (2), 7) - (3), 8) (2), 8) (2), 9) / (10) 1 (10)	Vasd=103mp Cat. II; Exp C MWFRS (em (2R) 6-11-11 zone;C-C for reactions sho DOL=1.60 Truss design only. For stu see Standarc or consult qu All plates are Gable require Gable require Gable require Gable require Gable studs : This truss ha chord live loa * This truss ha chord live loa * This truss ha chord live loa * This truss ha chord and an All bearings a capacity of 50 Provide mecl bearing plate 2, 57 lb uplift uplift at joint 13 and 97 lb See Standard Detail for Cor	nanical connection capable of withs at joint 16, 48 lb 18, 54 lb uplift at uplift at joint 12. d Industry Piggylon nection to base ied building desi	⁵ BCDL=6 ble Roof; C zone and t 8-13 to 6- or (1) 11-4 brces & M L=1.60 pl: s in the pla ind (norm End Deta esigner as so otherwi tottom chor oc. If or a 10.4 t with any chor will fit betw s. be SP No. on (by oth standing 1 o uplift at jc joint 14, 4 beack Truss truss as a	.0psf; h=15ft; common Trus C-C Exterior(2; -8 to 13-7-7 WFRS for ate grip ane of the trus al to the face) ils as applicat s per ANSI/TF se indicated. d bearing.) psf bottom other live load e load of 30.00 a rectangle veen the botto 1 crushing ers) of truss to 7 lb uplift at jo pint 17, 98 lb 19 lb uplift at j s connection	s; 2E) or ss , ole, ole, ole, ole, ole, ole, ole, or sf o o o olint				SEA 2867	EER. A.

March 13,2025

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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	PB2	Piggyback	9	1	Job Reference (optional)	171972259

Scale = 1:36.7

TCLL (roof)

TCDI

BCLL

BCDL

LUMBER

OTHERS

BRACING

TOP CHORD

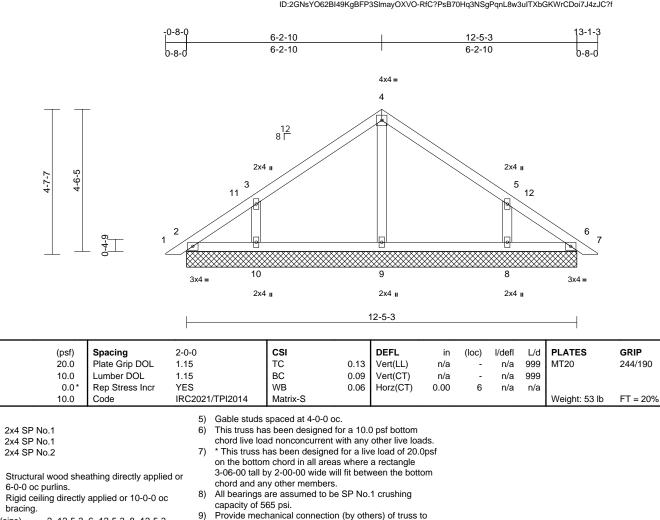
BOT CHORD

TOP CHORD

BOT CHORD

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



bearing plate capable of withstanding 21 lb uplift at joint

2, 1 lb uplift at joint 6, 95 lb uplift at joint 10 and 94 lb

Detail for Connection to base truss as applicable, or

10) See Standard Industry Piggyback Truss Connection

consult qualified building designer.

REACTIONS (size) 2=12-5-3, 6=12-5-3, 8=12-5-3, 9=12-5-3, 10=12-5-3 Max Horiz 2=-106 (LC 10) Max Uplift 2=-21 (LC 8), 6=-1 (LC 9), 8=-94

(LC 13), 10–95 (LC 12) Max Grav 2=107 (LC 20), 6=99 (LC 1), 8=320 (LC 20), 9=263 (LC 1), 10=321 (LC 19) FORCES (Ib) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/12, 2-3=-101/82, 3-4=-125/122, 4-5=-114/121, 5-6=-73/45, 6-7=0/12 BOT CHORD 2-10=-28/67, 9-10=-28/67, 8-9=-28/67, 6-8=-28/67

- WEBS 4-9=-178/22, 3-10=-253/228, 5-8=-252/228 NOTES 1) Unbalanced roof live loads have been considered for
- this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-4-0 to 4-8-13, Interior (1) 4-8-13 to 6-11-11, Exterior(2R) 6-11-11 to 11-4-8, Interior (1) 11-4-8 to 13-7-7 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Gable requires continuous bottom chord bearing.



March 13,2025



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uplift at joint 8.

LOAD CASE(S) Standard

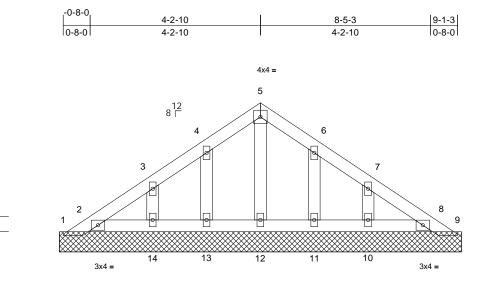
Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	PB3	Piggyback	1	1	Job Reference (optional)	171972260

3-2-5

9-4-9

3-3-7

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 Page: 1 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



8-5-3

Scale = 1.20.3			-i	_		·									
Loading		(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)		20.0	Plate Grip DOL	1.15		TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL		10.0	Lumber DOL	1.15		BC	0.02	Vert(TL)	n/a	-	n/a	999			
BCLL		0.0*	Rep Stress Incr	YES		WB	0.03	Horiz(TL)	0.00	8	n/a	n/a			
BCDL		10.0	Code	IRC202	1/TPI2014	Matrix-P							Weight: 42 lb	FT = 20%	
LUMBER TOP CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP N 2x4 SP N Structura 6-0-0 oc Rigid ceil bracing. (size) Max Horiz Max Uplift Max Grav		C 10), 2=-43 (LC 12), C 13), 9=-11 (LC 20), LC 13), 11=-63 (LC 13), LC 12), 14=-64 (LC 12) C 9), 2=124 (LC 19), 8= =18 (LC 13), 10=133 (L 123 (LC 20), 12=95 (LC 123 (LC 19), 14=133 (L	or 3; 7, 4; -7 5; 6, 6; 6, 7; 109 -C 9; -C 9;	Vasd=103mp Cat. II; Exp C MWFRS (em zone;C-C for reactions she DOL=1.60 Truss design only. For stu see Standard or consult qu All plates are Gable require Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings a capacity of 5	7-16; Vult=130mp bh; TCDL=6.0psf; 2; Enclosed; Gable velope) exterior zc members and for own; Lumber DOL ed for wind loads ds exposed to wird 1 Industry Gable E alified building de 2 244 MT20 unless es continuous bott spaced at 1-4-0 of s been designed 1 donoconcurrent is been designed n chord in all area by 2-00-00 wide will yo ther members. are assumed to be 65 psi. hanical connection	BCDL=6 e Roof; C one and t ces & M = 1.60 pl. in the pl	.0psf; h=15ft; common Trus C-C Corner(3 WFRS for ate grip ane of the trus at the face; is as applicat s per ANSI/TF se indicated. d bearing. D psf bottom other live load e load of 20.0 a rectangle veen the botto 1 crushing	s; E) ss ,, ole, Pl 1. ds. Jpsf om						
FORCES	Tension 1-2=-109 4-5=-75/1	/116, 2-3=	npression/Maximum 76/65, 3-4=-59/74, 75/154, 6-7=-35/59, 5/20	1	1, 11 lb uplift joint 8, 64 lb uplift at joint	capable of withst at joint 9, 43 lb up uplift at joint 13, 6 11 and 64 lb uplift d Industry Piggyba	olift at joi 4 lb uplif at joint	nt 2, 24 lb up t at joint 14, 6 10.	lift at 3 Ib			and the	OR ETSS	ROUT	
BOT CHORD	11-12=-4	0/115, 10-	4=-40/115, 12-13=-40/ 11=-40/115, 8-10=-40/	115, 115	Detail for Co	nnection to base t fied building desig	russ as a						A.J	14.7	
WEBS		,	-100/157, 3-14=-104/16 0=-104/168	^{68,} L	OAD CASE(S)	0 0							SEA	Ĺ	
NOTES 1) Unbalance this design		loads hav	e been considered for								11 Providence		SEA 286	EER. St.	Mananananananananananananananananananan

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818 Soundside Road Edenton, NC 27932

March 13,2025

Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	PB4	Piggyback	6	1	Job Reference (optional)	171972261

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL&w3uITXbGKWrCDoi7J4zJC?f

٣

6

2x4 II 8-5-3

Scale = 1:29.6			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	1.15	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 34 lb	FT = 20%

LOWIDER		
TOP CHORD	2x4 SP N	o.1
BOT CHORD	2x4 SP N	o.1
OTHERS	2x4 SP N	0.2
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	6-0-0 oc p	ourlins.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	2=8-5-3, 4=8-5-3, 6=8-5-3
	Max Horiz	2=-74 (LC 10)
	Max Uplift	2=-36 (LC 12), 4=-43 (LC 13)

3-3-7

FORCES	(lb) - Maximum Compression/Maximum
TOP CHORD	Tension 1-2=0/12, 2-3=-113/85, 3-4=-103/85, 4-5=0/12
BOT CHORD	2-6=-14/51, 4-6=-14/51

3-6=-199/121

Max Grav 2=211 (LC 1), 4=211 (LC 1), 6=304

WEBS

NOTES

 Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 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 2-00-00 wide will fit between the bottom chord and any other members.
- 8) All bearings are assumed to be SP No.1 crushing
- capacity of 565 psi.

2

3x4 =

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 2 and 43 lb uplift at joint 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



4

3x4 =

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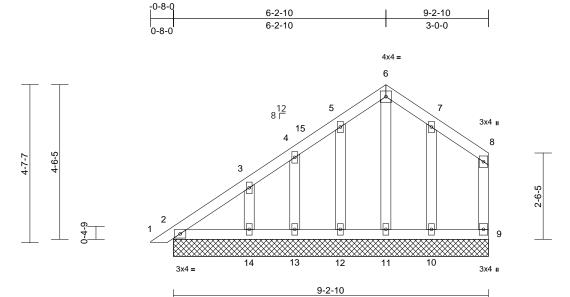
Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	PB5	Piggyback	1	1	Job Reference (optional)	171972262

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:08 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



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						-								
Loading TCLL (roof) TCDL BCLL BCDL		(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC202	21/TPI2014	CSI TC BC WB Matrix-S	0.04 0.03 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 9	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 55 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No 2x4 SP No 2x4 SP No Structural v 6-0-0 oc p Rigid ceilin bracing. (size) Max Horiz Max Uplift	.1 .2 .2 wood she: urlins, exx. g directly 2=9-2-10, 11=9-2-10 2=155 (LC 2=-18 (LC 2=-18 (LC 10=-66 (L 13=-47 (L) 2=131 (L 10=142 (L 10=142 (L) 10=145 (L)	C 12) 8), 9=-29 (LC 13), C 13), 12=-60 (LC 12) C 12), 14=-99 (LC 12) C 20), 9=59 (LC 20), C 20), 11=110 (LC 2), C 20), 11=89 (LC 19)	d or 3 -10, 4 5 2), 7 2) 8 22), 8	Vasd=103mp Cat. II; Exp C MWFRS (en 0-4-0 to 4-8- (3E) 6-11-11 forces & MW DOL=1.60 pl) Truss design only. For stu see Standard or consult qu) All plates are Gable requir) Gable studs) This truss ha chord live loa * This truss ha on the bottor 3-06-00 tall b chord and ar	7-16; Vult=130r br; TCDL=6.0ps b; TCDL=6.0ps c) Enclosed; Gal velope) exterior 13, Exterior(2N) to 9-9-15 zone; (FRS for reactior ate grip DOL=1. ed for wind load dds exposed to al Industry Gable alified building c e 2x4 MT20 unle es continuous be spaced at 1-4-0 is been designer ad nonconcurren has been designer ad nonconcurren be py 2-00-00 wide by 0 ther member are assumed to	r, BCDL=6 ble Roof; C zone and t 4-8-13 to C-C for me is shown; 60 s in the pl. tind (norm End Deta lesigner at ss otherwi ottom chor oc. d for a 10.1 t with any ed for a liv sas where will fit betw s.	.0psf; h=15ft; common Trus C-C Corner(3) 6-11-11, Corr mbers and Lumber ane of the tru: al to the face; ils as applical s per ANSI/TF se indicated. d bearing. D psf bottom other live loa e load of 20.0 a rectangle ween the bottom	s; E) her ss), ole, PI 1. ds. 0psf					
TOP CHORD		7, 5-6=-69/	114, 3-4=-82/75, (157, 6-7=-70/153, (75	1	0) Provide mec bearing plate 9, 18 lb uplift	hanical connecti capable of with at joint 2, 60 lb	standing 2 uplift at joi	9 lb uplift at j nt 12, 47 lb u	oint plift			0	TH CA	RO
BOT CHORD WEBS	2-14=-2/3, 11-12=-2/3	13-14=-2/ 3, 10-11=-2 4, 5-12=-	/3, 12-13=-2/3, 2/3, 9-10=-2/3 101/111, 4-13=-76/1	18, ¹	10. 1) See Standar Detail for Co	9 Ib uplift at joint d Industry Piggy nnection to base fied building des	back Trus truss as a	s Connection				N.V.	A A	Wig
NOTES 1) Unbalance this design		oads have	been considered for		OAD CASE(S)	•						S. S	SEA 2867	EEP. St.

- Unbalanced roof live loads have been considered for 1) 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 ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut Information, purplication component component durate propagate component for the prevention. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

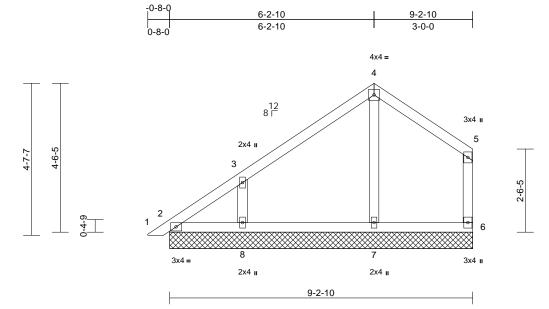


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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	PB6	Piggyback	9	1	Job Reference (optional)	171972263

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:09 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



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Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES	1/TPI2014	CSI TC BC WB Matrix-S	0.13 0.07 0.06	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 42 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.1 2x4 SP No.1 2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 Structural wood she 6-0-0 cc purlins, ex Rigid ceiling directly bracing. (size) 2=9-2-10, 8=9-2-10 Max Horiz 2=104 (LC (LC 12) Max Grav 2=93 (LC	athing directly applic cept end verticals. applied or 10-0-0 or 6=9-2-10, 7=9-2-10 C 12) C 12) C 8), 6=-37 (LC 13),	6) 7) ed or 8) c 9) ^{1,} 10 B=-95 LC	This truss ha chord live loc * This truss l on the bottor 3-06-00 tall I chord and an All bearings capacity of 5 Provide mec bearing platt 6, 23 lb uplif) See Standar Detail for Co	as been designed for ad nonconcurrent w nas been designed on chord in all areas by 2-00-00 wide will by other members. are assumed to be 65 psi. hanical connection a capable of withsta t at joint 2 and 95 lt d Industry Piggyba nnection to base tr fied building desigr	vith any for a liv s where I fit betw SP No. (by oth anding 3 o uplift a ck Trus uss as a	other live loa e load of 20.0 a rectangle veen the botto 1 crushing ers) of truss t i7 lb uplift at ji t joint 8. s Connection	Opsf om oo oint				Prognit 42 ID	1 1 - 2070
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD BOT CHORD WEBS	1-2=0/12, 2-3=-128/ 4-5=-61/78, 5-6=-95	/95), 6-7=-7/10											
NOTES	q r = 100,00, 0 0 = 2		-									WITH CA	ROUL

- Unbalanced roof live loads have been considered for 1) this design
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-4-0 to 4-8-13, Interior (1) 4-8-13 to 6-11-11, Exterior(2E) 6-11-11 to 9-9-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing. 4)
- 5) Gable studs spaced at 4-0-0 oc.



March 13,2025

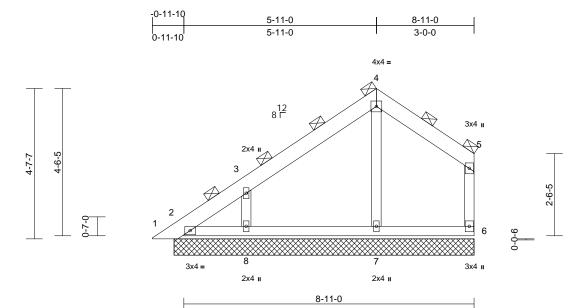


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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	PB7	Piggyback	2	1	Job Reference (optional)	171972264

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:09 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:35.4

00010 - 110011										
Loading TCLL (roof) TCDL BCLL BCDL	(ps 20. 10. 0. 10.	0 Plate Grip DOL 0 Lumber DOL 0* Rep Stress Incr	3-0-0 1.15 1.15 NO IRC2021/TPI2014	CSI TC 0.12 BC 0.12 WB 0.08 Matrix-P 0.08	Vert(TL)	in (loc) n/a - n/a -).00 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 52 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.1 2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 (Switched from Rigid ceiling diru bracing. (size) 1=9-2 7=9-2 Max Horiz 1=15 Max Uplift 1=-15 (LC 1 Max Grav 1=70	(6-0-0 max.), except er sheeted: Spacing > 2-8- ectly applied or 10-0-0 o 2-10, 2=9-2-10, 6=9-2-10 3 (LC 12) 5 (LC 8), 2=-6 (LC 8), 6= 3), 8=-165 (LC 12) (LC 20), 2=59 (LC 20), 1 0), 7=393 (LC 1), 8=520	 5) Gable studs 6) This truss he chord live lo 7) * This truss on the botto 3-06-00 tall chord and a 0). 8) All bearings capacity of § 9) Provide med bearing plat 1, 57 lb uplif uplift at joint 57 6=170 11) Graphical point 	chanical connection (by ot e capable of withstanding ft at joint 6, 6 lb uplift at joi 8. rd Industry Piggyback Tru onnection to base truss as ified building designer. urlin representation does r ation of the purlin along th	0.0 psf bottom y other live loads. ve load of 20.0psi e a rectangle ween the bottom b.1 crushing hers) of truss to 15 lb uplift at joint nt 2 and 165 lb ss Connection applicable, or not depict the size					
FORCES	(lb) - Maximum Tension	Compression/Maximum	LOAD CASE(S)							
TOP CHORD	1-2=-216/130, 2 4-5=-77/111, 5-	-3=-221/186, 3-4=-150/9 6=-148/154	97,							
BOT CHORD WEBS	2-8=0/0, 7-8=0/ 4-7=-275/110, 3	,							WTH CA	Route
this desig 2) Wind: AS Vasd=103 Cat. II; Ex Exterior(2 6-11-11, E members	n. CE 7-16; Vult=130 3mph; TCDL=6.0ps p C; Enclosed; MV E) 0-5-13 to 4-10- Exterior(2E) 6-11-1	ave been considered fo mph (3-second gust) fr; BCDL=6.0psf; h=15ft; VFRS (envelope) and C 10, Interior (1) 4-10-10 to 1 to 9-9-15 zone;C-C fo rRS for reactions shown 0 DCL=1.60	C o					and	SEA 286	L 77

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.



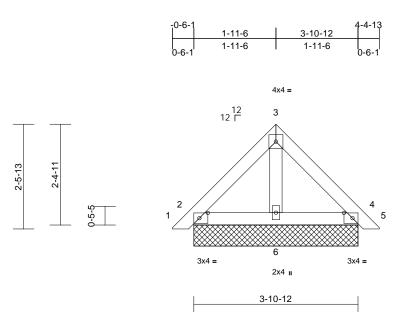
March 13,2025



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Job	Truss	Truss Type	Qty	Ply	Lot 4 Mabry Ridge	
J0325-1367	PB8	Piggyback	11	1	Job Reference (optional)	171972265

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Wed Mar 12 07:41:09 ID:2GNsYO62BI49KgBFP3SImayOXVO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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

	7, 1). [2.0 2 7,0 1 0],	[1.0 2 7,0 7 0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2021/TF	PI2014	CSI TC BC WB Matrix-P	0.07 0.03 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 19 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.1 2x4 SP No.2 Structural wood she 5-0-6 oc purlins. Rigid ceiling directly bracing.	applied or 10-0-0 oc 2, 4=3-10-12, 6=3-10 11) 2 13), 4=-44 (LC 13)	or 3- cf 8) Al ed or 9) P 5 2 0-12 10) S 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	n the bottom 06-00 tall b nord and an Il bearings a apacity of 56 rovide mech earing plate and 44 lb u ee Standard etail for Cor	nanical connection capable of withsta plift at joint 4. Industry Piggyba nection to base to ied building desig	s where ill fit betw SP No. n (by oth anding 3 ack Trus russ as a	a rectangle veen the botto 1 crushing ers) of truss t 9 lb uplift at j s Connection	om o oint					
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maximum Com Tension 1-2=0/11, 2-3=-77/49 2-6=-22/48, 4-6=-22 3-6=-70/23	9, 3-4=-66/39, 4-5=0	//11										
 this design Wind: ASC Vasd=103 Cat. II; Exp MWFRS (in zone; C-C) reactions signal provided in the second seco	CE 7-16; Vult=130mph imph; TCDL=6.0psf; B(p C; Enclosed; Gable F envelope) exterior zon for members and force shown; Lumber DOL= ²	(3-second gust) CDL=6.0psf; h=15ft; Roof; Common Truss e and C-C Exterior(2 as & MWFRS for 1.60 plate grip the plane of the trus (normal to the face) d Details as applicate gner as per ANSI/TP m chord bearing. r a 10.0 psf bottom	s; 2E) ss , ole, 21 1.									SEA 2867	EERCH

March 13,2025

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