Job	Truss	Truss Type	Qty	Ply	
LO240204	CT1	Common	19	1	Job Reference (optional)

Truss Builders of Holly Ridge, Inc., Holly Ridge, NC 28445

Run: 8.5 S 0 Oct 22 2021 Print: 8.500 S Oct 22 2021 MiTek Industries, Inc. Mon Feb 05 08:38:16 Page: 1 ID:_0apSNf3dMvGE5vgjN0gHdzoFoW-ss02eV2m8uemHt9RU61oUAeKpMuuQ4vS2AXmW8zoFir



Scale = 1:53.2

Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.80	DEFL Vert(LL)	in -0.17	(loc) 2-10	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.42	2-10	>791	180		
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-R	0.31	Horz(CT)	0.07	6	n/a	n/a	Weight: 116 lb	FT = 6%
LUMBER			6) This truss is	designed in acco	ordance wi	ith the 2018						
TOP CHORD	2x4 SP No.2		Internationa	Residential Code	e sections	R502.11.1 a	and					
BOT CHORD	RD 2x4 SP 2400F 2.0E R802.10.2 and referenced standard ANSI/TPL1.											
WEBS	2x4 SP No.3		LOAD CASE(S)	Standard								
BRACING TOP CHORD	Structural wood she	eathing directly applied o	or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc										
	MiTek recommends	s that Stabilizers and										
	required cross brac	cing be installed during										
	truss erection, in ac	ccordance with Stabilize	er									
	motaliation guide.											
REACTIONS	(lb/size) 2=1170/0- 6=1170/0-	-3-8, (min. 0-1-8), -3-8, (min. 0-1-8)										
	Max Horiz 2=-88 (I C	2.9)										
	Max Uplift 2=-351 (L	.C 4), 6=-351 (LC 5)										
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250)									
	(lb) or less except w	hen shown.										
TOP CHORD	2-3=-2661/702, 3-4= 4-5=-2339/601, 5-6=	=-2339/601, =-2661/702										
BOT CHORD	2-10=-642/2458, 10-	-11=-324/1664,										
	9-11=-324/1664, 9-1	12=-324/1664,										
WERS	8-12=-324/1664, 6-8	3=-573/2458 161/310 1 10- 160/71	6									
VVLD3	3-10=-464/310	404/310, 4-10109/14	0,									
NOTES												
 Unbalance design. 	ed roof live loads have	e been considered for th	is									
2) Wind: AS(CE 7-16; Vult=150mph	n (3-second gust)										
Vasd=119	mph; TCDL=6.0psf; B	SCDL=6.0psf; h=25ft; Ca	at.									
II; Exp C;	Enclosed; MWFRS (e	nvelope); cantilever left										
and right e	and right exposed ; end vertical left and right exposed;											
 This truss 	has been designed fo	or a 10.0 psf bottom										
chord live	load nonconcurrent w	ith any other live loads.										
4) * This trus	s has been designed	for a live load of 20.0ps	f									
on the bot	tom chord in all areas	where a rectangle										
3-00-00 ta	any other members.	with BCDL = 10.00 sf.										

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 2 and 351 lb uplift at joint 6.

Job	Truss	Truss Type	Qty	Ply	
LO240204	CT1GE	Common Supported Gable	2	1	Job Reference (optional)

Truss Builders of Holly Ridge, Inc., Holly Ridge, NC 28445

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Scale = 1:53.2

Plate Offsets (X, Y): [21:0-3-0,0-3-0]

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 YES IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.16 0.11 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 131 lb	GRIP 244/190 FT = 6%
LUMBER TOP CHORE BOT CHORE OTHERS BRACING TOP CHORE BOT CHORE	 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. MiTek recommender required cross brace truss erection, in ac Installation guide. 	athing directly applied or r applied or 10-0-0 oc s that Stabilizers and sing be installed during coordance with Stabilizer	 8) * This truss I on the botton 3-06-00 tall I chord and ai 9) Provide mec bearing plate (s) 2, 22, 23 26=116, 16= 10) This truss is International R802.10.2 a LOAD CASE(S) 	has been desig in chord in all a by 1-00-00 wide hanical connect e capable of wit 24, 25, 20, 19, 116. designed in ac Residential Co nd referenced s Standard	ned for a live reas where a e will fit betw ers, with BC ttion (by othe thstanding 1 , 18, 17, 14 cordance wi ode sections standard AN	e load of 20. a rectangle reen the bott DL = 10.0ps ers) of truss 00 lb uplift a except (jt=lb th the 2018 R502.11.1 a SI/TPI 1.	Opsf om f. to t joint) and					
REACTIONS (Ib) ·	All bearings 28-0-0. Max Horiz 2=-88 (LC Max Uplift All uplift 1 2, 14, 17, except 16 (LC 8) Max Grav All reactio (s) 2, 14, 24, 25 exc 26=315 (L	: 9) 00 (lb) or less at joint(s) 18, 19, 20, 22, 23, 24, 2 =-116 (LC 9), 26=-116 ns 250 (lb) or less at joir 17, 18, 19, 20, 21, 22, 23 cept 16=315 (LC 20), .c 19)	5 1t 3,									
FORCES	(lb) - Max. Comp./Ma (lb) or less except w	ax. Ten All forces 250 hen shown.										
NOTES 1) Unbalanc design. 2) Wind: AS Vasd=11 II; Exp C; and right Lumber [3) Truss de only. For see Stam or consul 4) All plates 5) Gable red 6) Gable stu 7) This truss chord live	ced roof live loads have CE 7-16; Vult=150mpt 9mph; TCDL=6.0psf; B Enclosed; MWFRS (ei exposed ; end vertical DOL=1.33 plate grip DC isigned for wind loads i studs exposed to wind dard Industry Gable En t qualified building desi are 2x4 MT20 unless of quires continuous botto ids spaced at 2-0-0 oc. s has been designed fo e load nonconcurrent w	e been considered for this CDL=6.0psf; h=25ft; Cai nvelope); cantilever left left and right exposed; DL=1.33 n the plane of the truss d (normal to the face), ad Details as applicable, igner as per ANSI/TPI 1. otherwise indicated. um chord bearing. rr a 10.0 psf bottom ith any other live loads.	5 t.									

Job	Truss	Truss Type	Qty	Ply	
LO240204	CT1LAS	Common	6	1	Job Reference (optional)

Truss Builders of Holly Ridge, Inc., Holly Ridge, NC 28445

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Scale = 1:55.4

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

Loadin	g	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (r	oot)	20.0 10.0	Plate Grip DOL	1.15 1.15	TC BC	0.46	Vert(LL) Vert(CT)	-0.17 -0.40	2-10 2-10	>999 >829	240 180	MT20	244/190
BCLL		0.0*	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.08	6	n/a	n/a		
BCDL		10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 136 lb	FT = 6%
LUMBE TOP CH BOT CH WEBS BRACII TOP CH BOT CH	R HORD HORD HORD HORD	2x4 SP 2400F 2.0E 2x4 SP 2400F 2.0E 2400F 2.0E 2x4 SP No.3 Structural wood she 4-4-4 oc purlins. Rigid ceiling directly bracing.	*Except* B2:2x6 SP athing directly applied of applied or 9-10-8 oc	 6) This truss is International R802.10.2 a LOAD CASE(S) 1) Dead + Roi Plate Increa Uniform Lo Vert: 1-4 	designed in accc Residential Cod nd referenced sta Standard of Live (balanced ase=1.15 ads (lb/ft) =-60, 4-7=-60, 2-	ordance wi e sections andard AN): Lumber 6=-20	ith the 2018 R502.11.1 ; ISI/TPI 1. Increase=1.	and 15,					
		MiTek recommends required cross brac truss erection, in ac Installation guide.	s that Stabilizers and ing be installed during ccordance with Stabilize	er									
REACTIONS (lb/size) 2=1170/0-3-8, (min. 0-1-8), 6=1170/0-3-8, (min. 0-1-8) Max Horiz 2=-88 (LC 11) Max Uplift 2=-351 (LC 1)													
FORCE	S	(lb) - Max. Comp./M	ax. Ten All forces 250)									
TOP CH	IORD	(ib) of less except w 2-3=-2833/753, 3-4=	2453/605,										
BOT CH	IORD	4-5=-2453/600, 5-6= 2-10=-693/2639, 9-1 8-9=-333/1767, 6-8=	=-2833/748 10=-333/1767, =-618/2639										
WEBS		4-8=-162/763, 5-8=-	503/333, 4-10=-165/76	3,									
 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members. 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 2 and 351 lb uplift at joint 6. 				iis at. f									