

Trenco 818 Soundside Rd Edenton, NC 27932

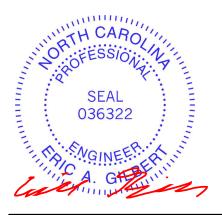
Re: 2404390-17999 Buck & Mel House - Godwin Construction

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Lumber 2383 (Dunn, NC).

Pages or sheets covered by this seal: I69222845 thru I69222903

My license renewal date for the state of North Carolina is December 31, 2024.

North Carolina COA: C-0844



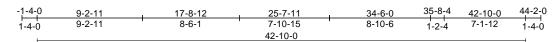
October 30,2024

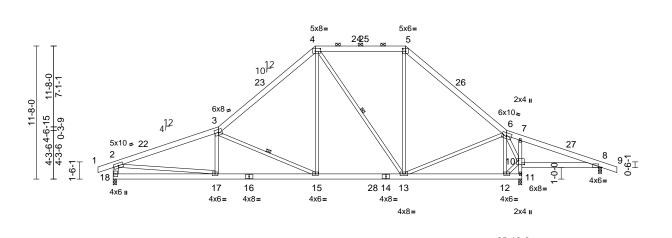
Gilbert, Eric

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	Buck & Mel House - Godwin Construction	
2404390-17999	A01	Piggyback Base	3	1	Job Reference (optional)	169222845

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:44 ID:69RUhFuzvm_KxnBdL9BcKDzbnW8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





	9-0-15	17-10-8	25-5-15	34-4-4	35-10-0	42-10-0	
	9-0-15	8-9-9	7-7-7	8-10-6	1-5-12	7-0-0	_
Scale = 1:92							

Plate Offsets (X, Y): [4:0-5-4,0-2-12], [5:0-3-4,0-2-12], [8:0-3-6,Edge], [10:0-6-0,0-4-8]

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	5/TPI2014	CSI TC BC WB Matrix-MS	0.53 0.51 0.56	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.21 0.04	(loc) 15-17 15-17 11	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 338 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x6 SP No.2 2x6 SP No.2 *Except 2x4 SP No.2 *Except 17-3,12-6,12-10,10-6 SP No.2	* 11-7:2x4 SP No.3	2)	Wind: ASCE Vasd=103mp II; Exp B; En and C-C Extr to 17-8-12, E	7-10; Vult=130mp bh; TCDL=6.0psf; closed; MWFRS (erior (2) -1-4-0 to 2 ixterior (2) 17-8-12 7-11, Exterior (2) ;	BCDL=3 envelope 2-11-6, li 2 to 22-0	.0psf; h=25ft e) exterior zon nterior (1) 2-1 -2, Interior (1	ne I 1-6				Weight. 336 ib	11 = 2076
BRACING TOP CHORD	 Structural wood sheathing directly applied or 4-1-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max): 4-5 Interior (1) 29-11-1 to 44-2-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 												
BOT CHORD	2-0-0 oc punins (6-0-0 max.): 4-5.												
	1 Row at midpt 3 1 Row at midpt 3 (size) 8=0-3-8, 1 Max Horiz 18=-168 (L Max Uplift 8=-131 (LC 18=-289 (L 8=271 (LC Max Grav 8=271 (LC 18=1486 (E 18=1486 (E	()	Provide adeo This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b	s specific to the us quate drainage to p s been designed f ad nonconcurrent v has been designed n chord in all area: by 2-00-00 wide wi y other members,	orevent or a 10.0 with any I for a liv s where Il fit betw	water ponding o psf bottom other live loa e load of 20.0 a rectangle veen the botto	g. ads. Opsf om						
FORCES	(lb) - Maximum Com Tension	pression/Maximum	7) 8)	All bearings	are assumed to be hanical connectior	SP No.	2.						
TOP CHORD	1-2=0/30, 2-3=-2520/ 4-5=-883/359, 5-6=-1 7-8=-86/367, 8-9=0/2	316/351, 6-7=-70/3	I, ^{-,}	bearing plate	capable of withsta lift at joint 11 and	anding 2	89 Ib uplift at	t joint				OR FESE	RO
BOT CHORD	17-18=-305/548, 15- 13-15=-110/1106, 12 11-12=-68/4, 10-11= 7-10=-311/254, 8-10	-13=-17/276, -1921/312,	9)	or the orienta bottom chore				size		4	and the	ORFESS	A AN
WEBS	3-17=-60/186, 3-15= 4-15=-141/793, 4-13= 5-13=-70/385, 6-13= 10-12=-33/467, 6-10= 2-17=-267/1768	-1333/433, =-473/159, -63/692, 6-12=-182/		DAD CASE(S)	Standard					THILIN'S		SEA 0363	• –

NOTES

 Unbalanced roof live loads have been considered for this design.

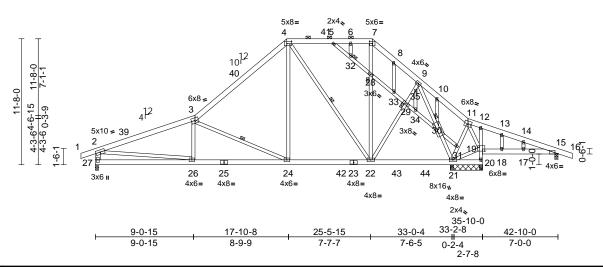


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	A01SE	Piggyback Base	1	1	Job Reference (optional)	169222846

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:46 ID:dLjX31fM960x4ypqp1rTfVzbnXI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

-1-4-	0 9-2-11	17-8-12	22-1-2	25-7-11	29-10-12	34-6-0 35-8-4	42-10-0	44-2-0
1-4-(y 9-2-11	8-6-1	4-4-7	3-6-9	4-3-1	4-7-5 1-2-4	7-1-12	1-4-0
	-		42-10	0-0				



Scale = 1:93.6

Plate Offsets (X, Y): [4:0-5-4,0-2-12], [7:0-3-0,0-2-12], [15:0-3-6,Edge], [19:0-6-4,0-4-4]

			-										
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 IRC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.50 0.48 0.53	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.18 0.03	24-26	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 387 lb	GRIP 244/190 FT = 20%
LUMBER			W		3-26=-30/209, 3-2								a live load of 20.0psf
TOP CHORD BOT CHORD WEBS	2x6 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.3 *Excep 24-3,24-4,22-4,22-7 No.2, 27-2:2x6 SP N	nt* ,26-2,9-22,9-21:2x4 S			4-24=-133/763, 4- 22-28=-103/246, 7 19-21=-219/144, 1 2-26=-211/1541, 2 29-35=-76/571, 9-	7-28=-10 1-19=-1 22-29=-8 35=-92/5	5/251, 40/493, 6/556, 596,		3-0 chc 10) All	6-00 tall ord and a bearings	by 2-0 any oth are as	er members, with ssumed to be SP	between the bottom BCDL = 10.0psf.
OTHERS BRACING	2x4 SP No.3				9-30=-1290/215, 2 21-31=-228/130, 1								ng 269 lb uplift at joint plift at joint
TOP CHORD		athing directly applied cept end verticals, an 0-0 max.): 4-7.			5-32=-262/131, 28 28-33=-252/121, 2 29-34=-234/125, 3	8-32=-26 29-33=-2 80-34=-2	6/133, 68/122, 09/109,		318 12) Gra or t	3 lb uplift aphical p he orien	at join urlin re tation o	t 21.	es not depict the size
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc			30-31=-85/36, 6-3 34-35=-28/48, 10-	30=-304	/132,	,		tom choi CASE(S		ndard	
WEBS JOINTS	1 Row at midpt 1 Brace at Jt(s): 28,	3-24, 4-22	N	OTES	13-18=-13/47, 14-	17=-52/4	10						
JOINT3	29, 30, 32				roof live loads have	/e been (considered fo	or					
					7-10; Vult=130mp ph; TCDL=6.0psf; iclosed; MWFRS (erior (2) -1-4-0 to ; Exterior (2) 17-8-12 5-7-11, Exterior (2)	BCDL=3 envelope 2-11-6, li 2 to 21-1) 25-7-1	8.0psf; h=25ft e) exterior zon nterior (1) 2-1 0-7, Interior (1 to 29-10-12	ne 1-6 1)				mmm	0000 -
FORCES	(lb) - Maximum Com Tension	pression/Maximum		right expose	9-10-12 to 44-2-0 d;C-C for member	s and for	rces & MWFF					"TH CA	RO
TOP CHORD	RD 1-2=0/30, 2-3=-2257/420, 3-4=-1354/345, 4-5=-658/302, 5-6=-546/249, 6-7=-546/249, 7-8=-639/267, 8-9=-682/237, 9-10=-19/345, 10-11=-72/462, 11-12=-128/137, 12-13=-111/107, 13-14=-141/88, 14-15=-180/67, 15-16=0/25, 2-27=-1273/358			DOL=1.60 Truss design only. For str see Standar or consult qu Building Des verifying Ra requirement Provide ade All plates arr Gable studs	shown; Lumber D and for wind loads uds exposed to win d Industry Gable E Jalified building de signer/Project engi in Load = 5.0 (psf) s specific to the us quate drainage to e 2x4 () MT20 ur spaced at 2-0-0 o as been designed	in the pland nd (norm End Deta signer as neer res covers r se of this prevent nless oth c.	ane of the tru al to the face ils as applica s per ANSI/TI ponsible for ain loading truss compor water pondin, erwise indica), ble, PI 1. nent. g.		M. Comment		SEA 0363	22 EEREA III

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

October 30,2024

818 Soundside Road Edenton, NC 27932 Page: 1

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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	A02	Piggyback Base	2	1	Job Reference (optional)	169222847

Scale = 1:80.1

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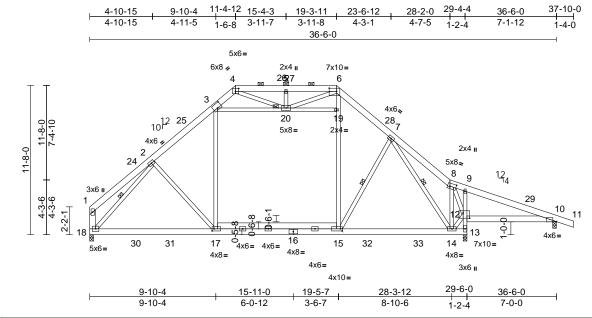


Plate Offsets (2	X, Y): [3:0-4-0,0-4-4],	, [4:0-3-0,0-2-12], [6:0-7	-0,0-3-(0], [8:0-5-12,0-	2-12], [10:0-3-6,E	dge], [12	0-6-0,0-5-0],	[15:0-1-	12,0-2-0)], [17:0-	1-12,0	-2-0]	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 /ES RC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.40 0.97 0.57	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	-0.32 0.06	(loc) 17-18 17-18 10 15-17	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 334 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS JOINTS REACTIONS	18-1:2x6 SP No.2 Structural wood she 4-11-0 oc purlins, e 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Row at midpt 1 Brace at Jt(s): 20 (size) 10=0-3-8, Max Horiz 18=-311 (Max Uplift 10=-181)	ot* 13-9:2x4 SP No.3 tt* 0,20-4,20-6:2x4 SP No. athing directly applied of xcept end verticals, and -0 max.): 4-6. applied or 2-2-0 oc 2-18, 7-15, 7-14 , 13=0-3-8, 18=0-3-8 (LC 10) LC 9), 13=-88 (LC 13) -C 20), 13=1783 (LC 27	1) 2) 3, or 1 3) 4) 5)	Unbalanced this design. Wind: ASCE Vasd=103m II; Exp B; En and C-C Ext to 11-4-12, E 15-0-8 to 19 Interior (1) 2 right expose for reactions DOL=1.60 Building Des verifying Rai requirement Provide ade This truss I chord live lo * This truss I	roof live loads ha 7-10; Vult=130m ph; TCDL=6.0psf iclosed; MWFRS erior (2) 0-2-12 tc Exterior (2) 11-4-1 -3-11, Exterior (2) 2-11-8 to 37-10-0 d;C-C for member shown; Lumber l signer/Project eng in Load = 5.0 (psf s specific to the u quate drainage to as been designed an concourrent has been designed m chord in all are:	ph (3-sec ; BCDL=3 (envelope)) 3-10-9, 1 2 to 15-0) 19-3-11) zone; er res and fo DOL=1.60 pineer res) covers r se of this prevent t for a 10.1 ; with anjiv	ond gust) .0psf; h=25ft) exterior zon terior (1) 3- 8, Interior (1) to 22-11-8, d vertical left ces & MWFF) plate grip ponsible for ain loading truss compo vater pondin,) psf bottom other live loa e load of 20.	r ; Cat. ne 10-9) : and tS nent. g. uds.					
FORCES TOP CHORD BOT CHORD WEBS	4-5=-1163/169, 5-6= 7-8=-1336/236, 8-9= 9-10=-1267/301, 10 17-18=-20/1420, 15 14-15=0/1350, 13-1 12-13=-1826/120, 9 10-12=-224/1198 2-17=-118/294, 15-1 8-14=-772/423, 12-1	1847/6, 3-4=-792/130, =-1163/169, 6-7=-1781/i =-1174/327, =11=0/25, 1-18=-285/90 =17=0/1404, 4=-33/84, =12=-433/163, 19=-112/878, 6-19=0/90	8) 9) 10 0, 11	3-06-00 tall chord and au Ceiling deac 3-20, 19-20; (s).15-19, 3- Bottom chor chord dead All bearings D) Provide mec bearing plate 13 and 181 I	by 2-00-00 wide v ny other members I load (5.0 psf) on Wall dead load (17 d live load (40.0 p load (5.0 psf) app are assumed to b shanical connectic e capable of withs b uplift at joint 10 urlin representatio ation of the purlin	vill fit betw s, with BC (10.0psf) (10.0psf) osf) and a lied only be SP No. on (by oth standing 8 on does no	reen the bott DL = 10.0ps s). 9-22, 10- on member dditional bott o room. 15-1 2 . ers) of truss i 8 lb uplift at j ot depict the s	f. 22, om 7 to joint		9		SEA 0363	• •
NOTES	7-15=-130/257, 7-14 19-20=-143/16, 5-20 4-20=-144/590, 6-20	,	, 12		CE SHOWN IS DI ABLE.	ESIGNED	AS				in the second se	A. G	ILBERTING

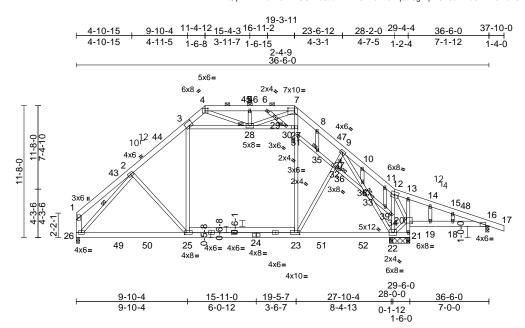
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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	A02SE	Piggyback Base	1	1	Job Reference (optional)	169222848

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:46 ID:QqwrKWtfLs713HkRCCKve6zbnhn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:82

1 1010 0110010 (, , ,): [ele : ele : i],	[,	s], [∶e:e e e,=e	.go]; [=0:0 0 0;0	. 0], [20.0	5 2 0,0 2 0], [5,6 = 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	0.24	Vert(LL)		23-25	>999	240	MT20	244/190		
TCDL	10.0	Lumber DOL	1.15		BC	0.83	Vert(CT)	-0.19		>999	180		210,000		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.75	Horz(CT)	0.04	16	n/a	n/a	1			
BCDL	10.0	Code		5/TPI2014	Matrix-MS	0.1.0	Attic		23-25	>999	360	Weight: 366 lb	FT = 20%		
BOBL	10.0	0000	1110201	0/11/12/011	manx mo		71110	0.01	20 20	2000	000		7 11 - 2070		
LUMBER			W	EBS 2	2-25=-83/268, 23	-31=-126	/784, 27-31=0	0/476,					a 10.0 psf bottom		
TOP CHORD	2x6 SP No.2				7-27=0/508, 20-2		,						h any other live loads.		
BOT CHORD	2x6 SP No.2 *Excep	ot* 21-13:2x4 SP No.3	3		12-20=-208/46, 2			2/704,					or a live load of 20.0psf		
WEBS	2x4 SP No.3 *Excep				3-28=-895/30, 28								vhere a rectangle		
		,3-27,9-23,9-22:2x4 S	SP		27-30=-753/127,								it between the bottom		
	No.2, 26-1:2x6 SP N	lo.2			4-28=-149/437, 2								ith BCDL = $10.0psf$.		
OTHERS	2x4 SP No.3				7-29=-164/275, 2								mber(s). 3-28, 28-30,		
BRACING					32-37=-88/251, 9 9-38=-783/340, 3					30; vvai 31. 3-25		10ad (10.0psi) C	on member(s).23-31,		
TOP CHORD		athing directly applie			22-33=-1240/55		,					load (40 0 psf) ;	and additional bottom		
	5-2-8 oc purlins, ex	ld		12-34=-174/112,		,	\$1/35					only to room. 23-25			
DOTOUDDD												ssumed to be SI			
BOT CHORD		applied or 10-0-0 oc			32-36=-670/152,		,						by others) of truss to		
	bracing, Except: 6-0-0 oc bracing: 21	22			33-39=-119/29, 3			24/26,					ding 269 lb uplift at joint		
WEBS	1 Row at midpt	-22. 2-26		:	36-37=-24/17, 10	-38=-294	/104,						2 lb uplift at joint 22.		
JOINTS	1 Brace at Jt(s): 28,				11-39=-64/30, 14	-19=-59/3	35, 15-18=-55	5/41			•	•			
001110	30, 31, 33, 35, 36		N	OTES									pes not depict the size		
REACTIONS		, 21=1-9-8, 22=1-9-8,	1)	Unbalanced	roof live loads ha	ve been	considered fo	or				of the purlin alor	ng the top and/or		
REACTIONO	26=0-3-8	, 21-1 5 0, 22-1 5 0,	,	this design.							rd.				
	Max Horiz 26=-311 ((LC 10)	2)		7-10; Vult=130m				15) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.						
	Max Uplift 16=-172 (9).		oh; TCDL=6.0psf										
	22=-592 (,,	· · ·	closed; MWFRS	· ·	<i>'</i>		LOAD CASE(S) Standard						
	Max Grav 16=498 (I				erior (2) 0-2-12 to	,	()		HILLOND CHELO, CHENNEN						
	22=1047	(LC 27), 26=1692 (LC	C 2)		Exterior (2) 11-4-1)			18	WAH CI	ARO		
FORCES	(lb) - Maximum Corr	pression/Maximum			-3-11, Exterior (2) 2-11-8 to 37-10-0			and			15	R	O Line		
	Tension				d;C-C for membe					/	23	Jacob Contraction	Think		
TOP CHORD		1798/3, 3-4=-605/124			shown; Lumber I			10		4		10 10	Very!		
		842/152, 6-7=-795/1		DOL=1.60	chown, Eambor i	DOL-1.00	plate grip			1		. C.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	,	1166/10, 9-10=-1058	/313, 3)		ed for wind loads	s in the pl	ane of the tru	ISS		-		SEA	AL : =		
	10-11=-934/234, 11		0)		ids exposed to w						:	SEF	<u>^⊢ : :</u>		
	12-13=-786/246, 13- 14-15=-787/187, 15-				d Industry Gable					=		0363	322 ; =		
	16-17=0/25, 1-26=-2			or consult qu	alified building de	esigner a	s per ANSI/TI	PI 1.			3				
BOT CHORD	25-26=-27/1391, 23		4)		igner/Project eng						-	A	- 1 S -		
BOT CHOILD	22-23=0/1365, 21-2				n Load = 5.0 (psf						20	N. SNOIL	FER. AS		
	20-21=-1351/215, 13				s specific to the u						1	AUGIN	5.000		
	19-20=-107/784, 18		,		quate drainage to						1	SEA 0363	AL 322		
	16-18=-101/766	,	6)		≥ 2x4 () MT20_u		erwise indica	ted.				1111.	211111		
			7)	Gable studs	spaced at 2-0-0 o	DC.						·····A. (
												()ctoba	or 30 2021		

October 30,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent 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 of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Plate Offsets (X, Y): [3:0-4-0,0-4-4], [4:0-3-0,0-2-12], [7:0-7-0,0-3-0], [16:0-3-6,Edge], [20:0-6-0,0-4-8], [23:0-2-0,0-2-0], [25:0-1-8,0-2-0]

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	A03	Piggyback Base	7	1	Job Reference (optional)	169222849

Scale = 1:80.1

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries. Inc. Tue Oct 29 06:16:47 ID:rXqzvLyMCprnkk7DsDWTeHzbno8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

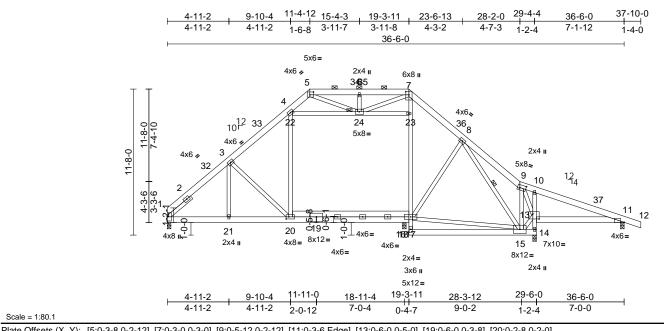


Plate Offsets ((X, Y): [5:0	-3-8,0-2-12	2], [7:0-3-0,0-3-0], [9:	0-5-12,0	-2-12], [11:0-3-	6,Edge], [13:0-6-0	,0-5-0], [1	9:0-6-0,0-3-8]], [20:0-	2-8,0-2-0	0]			
Loading TCLL (roof) TCDL BCLL BCDL		(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20)15/TPI2014	CSI TC BC WB Matrix-MS	0.59 0.99 0.70	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in -0.14 -0.28 0.04 0.02	18-20 18-20 11	l/defl >999 >814 n/a >677	L/d 240 180 n/a 360	PLATES MT20 Weight: 340 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD BOT CHORD WEBS JOINTS REACTIONS	2x6 SP N 14-10:2xz 2x4 SP N 20-3,4-20 No.2 Left 2x4 S Structura 4-5-9 oc 2-0-0 oc Rigid ceil bracing, 6-0-0 oc 1 Row at 1 Brace a (size) Max Horiz Max Uplift	Left 2x4 SP No.3 2-6-0 Structural wood sheathing directly applied or 4-5-9 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7. Rigid ceiling directly applied or 100-0 oc bracing, Except: 6-0-0 oc bracing: 15-16,14-15. 1 Row at midpt 8-15 1 Brace at Jt(s): 24 (size) 1=0-3-8, 11=0-3-8, 14=0-3-8, 18=0-3-8 Max Horiz 1=-272 (LC 8) Max Uplift 1=-47 (LC 12), 11=-106 (LC 9), 14=-62 (LC 12), 18=-229 (LC 8)			 2x6 SP No.2 *Except* 7-16:2x4 SP No.2, 14-10:2x4 SP No.3 2x4 SP No.3 *Except* 20-3,4-20,17-8,8-15,15-17,22-23:2x4 SP 20-3,4-20,17-8,8-15,15-17,22-23:2x4 SP 2. Eft 2x4 SP No.3 - 2-6-0 NOTES 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 2. Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0 to 37-13, Interior (1) 37-13 1) Graphical purlin repres or the orientation of the bottom chord. 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0 to 37-13, Interior (1) 37-13 1) Graphical purlin repres or the orientation of the bottom chord. 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 10-0 to 37-13, Interior (1) 37-13 1) 50-8 to 19-3-11, Exterior (2) 11-4-12 to 15-0-8, Interior (1) 15-0-8 to 19-3-11, Exterior (2) 19-3-11 to 22-11-8, Interior (1) 22-11-8 to 37-10-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component. 4) Provide adequate drianage to prevent water ponding. 5) This truss has been designed for a live load of 20.0psf 6) This truss has been designed for a live load of 20.0psf 6) This truss has been designed for a live load of 20.0psf 								able of withstandii nt 14, 106 lb uplit epresentation doe of the purlin along IOWN IS DESIG	es not depict the size the top and/or
FORCES TOP CHORD BOT CHORD	 (lb) - Maximum Compression/Maximum Tension 1-3=-2019/58, 3-4=-1858/68, 4-5=-926/137, 5-6=-1137/196, 6-7=-1138/195, 7-8=-1763/176, 8-9=-1050/152, 9-10=-699/81, 10-11=-762/38, 11-12=0/25 				 This truss on the botto 3-06-00 tall chord and a Ceiling dea 22-24, 23-2 (s).17-23, 2 Bottom cho chord dead 17-18 	has been designed om chord in all are by 2-00-00 wide any other member d load (5.0 psf) or 24; Wall dead load	ed for a liv as where will fit betw s. n member d (10.0psf) psf) and a blied only	e load of 20.0 a rectangle veen the botto (s). 10-30, 11- o on member dditional botto o room. 18-20	Opsf om -30, om		M. minner		in min	22 EEP R

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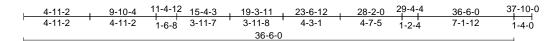


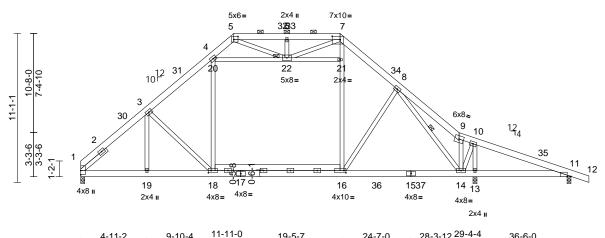
818 Soundside Road Edenton, NC 27932

October 30,2024

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	A04	Piggyback Base	3	1	Job Reference (optional)	169222850

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:47 ID:wlseEwZgk5XFbOAvg2JNr_zbz9Y-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





	4-11-2	9-10-4	1 · · · · ĭ	19-5-7	24-7-0	28-3-12 - 2	- 30-0-0	
Scale = 1:77.7	4-11-2	4-11-2	2-0-12	7-6-7	5-1-9	3-8-12 1-0-8	3 7-1-12	
Scale = 1:77.7								

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.58 0.94 0.80	Vert(CT)	in 0.16 -0.30 0.04 -0.09	(loc) 18-19 18-19 11 16-18	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 319 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD WEBS JOINTS	Left 2x4 SP No.3 2 Structural wood she 4-3-10 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing, Except: 2-2-0 oc bracing: 14	4-18,20-21:2x4 SP No 2-6-0 athing directly applied ccept I-0 max.): 5-7. applied or 10-0-0 oc	2) .2	this design. Wind: ASCE Vasd=103mp II; Exp B; End and C-C Exte to 11-4-12, E 15-0-8 to 19- Interior (1) 22 right exposed for reactions DOL=1.60 Building Desi verifying Rair requirements	roof live loads hav 7-10; Vult=130mp bh; TCDL=6.0psf; Iclosed; MWFRS (erior (2) 0-0 to 3 xterior (2) 11-4-12 3-11, Exterior (2) 2-11-8 to 37-10-0 3;C-C for members shown; Lumber D igner/Project engin h Load = 5.0 (psf) s specific to the us	bh (3-sec BCDL=3 envelope -7-13, In 2 to 15-0 19-3-11 zone; en s and for OL=1.60 heer res covers r e of this	cond gust) 0.0psf; h=25ft 9) exterior zoi terior (1) 3-7- -8, Interior (1) to 22-11-8, Id vertical left cces & MWFF 0) plate grip ponsible for ain loading truss compo	;; Cat. ne -13) t and RS nent.					
JOINTS 1 Brace at Jt(s): 22 REACTIONS (size) 1=0-3-8, 11=0-3-8, 13=0-3-8 Max Horiz 1=-272 (LC 8) Max Uplift 11=-218 (LC 9), 13=-134 (LC 13) Max Grav 1=1630 (LC 2), 11=496 (LC 1), 13=1814 (LC 27)				All plates are This truss ha chord live loa * This truss h	uate drainage to p 4x6 (=) MT20 un s been designed f ad nonconcurrent v has been designed n chord in all areas	lless oth or a 10.0 with any I for a liv	erwise indica 0 psf bottom other live loa e load of 20.0	ited. ads.					
FORCES	5-6=-1240/167, 6-7= 7-8=-1865/79, 8-9=-	1930/18, 4-5=-976/132 1240/167, 1473/296,	9)	3-06-00 tall b chord and an Ceiling dead Wall dead loa Bottom chord	y 2-00-00 wide wi y other members, load (5.0 psf) on r ad (10.0psf) on me d live load (40.0 ps	II fit betv with BC member ember(s) sf) and a	veen the bott CDL = 10.0ps (s). 20-22, 21).16-21, 18-2 dditional bott	f. -22; 0 :om			and the	TH CA	ROLA
BOT CHORD	1-19=-124/1685, 18- 16-18=0/1453, 14-10 13-14=-216/807, 11-	6=0/1442,	10 11	 All bearings a Provide mech bearing plate 	bad (5.0 psf) appli- are assumed to be hanical connection capable of withsta	e SP No. n (by oth	2. ers) of truss	to			i	SEA	Mag 2
NOTES	9-14=-524/122, 10-1 10-13=-1493/108, 8- 8-14=-939/157, 3-19	4=0/1161, -16=-176/216, 9=-59/171, 9=0/777, 20-22=-493/29 2=-165/178,	5, 13	 Graphical pu or the orienta bottom chord 	E SHOWN IS DE BLE.	along the	top and/or	size		A1111112.	in the second se		22 EER ALIU
												October	20.2024

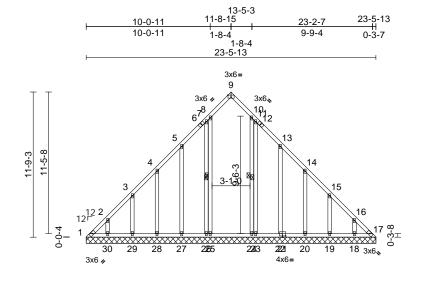
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent 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.sbcaccomponents.com)

A MiTek Affilia 818 Soundside Road Edenton, NC 27932

October 30,2024

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	AV1E	Valley	1	1	Job Reference (optional)	169222851

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:47 ID:BKLSdJLS8g8rJfP_eu3Eb6zbzDh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



	10-0-11	13-5-3	23-5-13	1
Casha 4:00.4	10-0-11	3-4-8	10-0-11	
Scale = 1:80.4				
Plate Offsets (X, Y): [9:0-3-0,Edge], [21:0-3-0,0-1-4]				

Plate Offsets (X, Y)): [9:0-3-0,Edge],	[21:0-3-0,0-1-4]											
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 IRC2015	/TPI2014	CSI TC BC WB Matrix-MS	0.21 0.39 0.19	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc 17	- n/a - n/a	L/d 999 999 n/a	PLATES MT20 Weight: 189 lb	GRIP 244/190 FT = 20%
BOT CHORD 2x4 WEBS 2x4 OTHERS 2x4 26- BRACING 5tr 6-C BOT CHORD 8tr 6-C BOT CHORD 8tr 6-C	D-0 oc purlins. gid ceiling directly acing. Row at midpt a) 1=23-5-13 18=23-5-1 20=23-5-1 23=23-5-1 25=23-5-1 27=23-5-1		BO d or -24 WE	T CHORD	1-2=-433/275, 2-3= 4-5=-161/138, 5-7= 8-9=-118/111, 9-10 10-11=-159/182, 1 13-14=-106/51, 14 15-16=-359/250, 11 1-30=-212/296, 29 28-29=-212/296, 2 24-25=-212/296, 2 22-23=-212/296, 2 22-23=-212/296, 1 17-18=-212/296 7-26=-134/128, 5-2 4-28=-153/122, 3-2 2-30=-129/87, 11-2 13-22=-196/181, 1 15-19=-231/243, 11 8-25=-174/54, 10-2	141/14 118/1 1-13=-9- -15=-17(6-17=-3: -30=-21: 7-28=-22 5-26=-2 3-24=-2 0-22=-2 8-19=-2 27=-193/ 29=-170/ 23=-133/ 4-20=-1: 6-18=-1!	5, 7-8=-159/2 05, 4/88, 0/114, 30/242 2/296, 1	216,	7) G 8) TI 9) * 10) A 11) P 11, u jo 33 at at	able stud nis truss h This truss the bott 06-00 tal ord and Il bearing rovide me earing pla 128 lb up blift at join int 30, 14 3 lb uplift	Is space has bee oad nor s has be om cho I by 2-0 any oth s are as echanic ate capa plift at jo Ib upl at joint 1 lb upl lift at jo	een designed for a rd in all areas wh 0-00 wide will fit it er members, with ssumed to be SP al connection (by ble of withstandii pint 26, 146 lb up 84 lb uplift at joint ift at joint 23, 181 20, 396 lb uplift a ift at joint 17, 14 l int 17.	10.0 psf bottom any other live loads. a live load of 20.0psf ere a rectangle petween the bottom BCDL = 10.0psf.
Max Max FORCES (Ib)	18=-17 (L 20=-38 (L 23=-140 (26=-128 (30=-51 (L 30=-51 (L 1=252 (LC 18=405 (L 20=178 (L 25=397 (L 25=397 (L 27=172 (L 29=182 (L 35=0 (LC	$\begin{array}{c} \begin{array}{c} \begin{array}{c} C \\ \end{array} \\ \begin{array}{c} C \\ \end{array} \\ \begin{array}{c} C \\ \end{array} \\ \begin{array}{c} 10), 17 = -1 (LC 13) \\ \end{array} \\ \begin{array}{c} C \\ \end{array} \\ \begin{array}{c} 13), 22 = -1381 (LC 1) \\ \end{array} \\ \begin{array}{c} LC \\ \end{array} \\ \begin{array}{c} 22), 25 = -14 (LC 2) \\ LC \\ \end{array} \\ \begin{array}{c} LC \\ \end{array} \\ \begin{array}{c} 22), 25 = -14 (LC 3) \\ \end{array} \\ \begin{array}{c} LC \\ \end{array} \\ \begin{array}{c} 12), 35 = -1 (LC 13) \\ \end{array} \\ \begin{array}{c} C \\ \end{array} \\ \begin{array}{c} 12), 17 = 0 (LC 11) \\ C \\ \end{array} \\ \begin{array}{c} C \\ \end{array} \\ \begin{array}{c} C \\ \end{array} \\ \begin{array}{c} 22), 19 = 220 (LC 1 1) \\ C \\ \end{array} \\ \begin{array}{c} 22), 19 = 220 (LC 1 1) \\ C \\ \end{array} \\ \begin{array}{c} 22), 20 = 134 (LC 2) \\ C \\ \end{array} \\ \begin{array}{c} 22, 19 = 220 (LC 1 1) \\ C \\ \end{array} \\ \begin{array}{c} 22), 20 = 141 (LC 23 \\ C \\ \end{array} \\ \begin{array}{c} C \\ \end{array} \\ \begin{array}{c} 19), 30 = 182 (LC 1 \end{array} $	1) (3), 2) 3), 2) (1), 12), 12), 12), 12), 12), 12), 12), 1	Unbalanced this design. Wind: ASCE Vasd=103m II; Exp B; Er and C-C Coi 11-9-3, Corr 23-2-2 zone members ar Lumber DOI Truss design only. For sti see Standar or consult qu Building Des verifying Rai requirement	roof live loads hav 7-10; Vult=130mp ph; TCDL=6.0psf; live closed; MWFRS (emer (3) 0-0-4 to 3-0-4 to (3) 11-9-3 to 14 ; end vertical left ar d forces & MWFRS _=1.60 plate grip D hed for wind loads in uds exposed to wind d Industry Gable E alified building des igner/Project engir n Load = 5.0 (psf) s specific to the using a 2x4 () MT20 un	h (3-sec BCDL=3 envelope 0-4, Exte -9-3, Exte -9-3, Ex nd right of S for rea OL=1.6(in the pla d (norm nd Deta signer as neer resp covers r e of this	ond gust) .0psf; h=25ft; e) exterior zor rior (2) 3-0-4 terior (2) 14-9 exposed;C-C ctions shown) ane of the true al to the face) ils as applicat s per ANSI/TF consible for ponsible for pain loading truss comport	Cat. he to -3 to for ; ss , ole, PI 1.		4		SEA 0363	ROUVER 1000



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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	AV2	Valley	1	1	Job Reference (optional)	169222852

Run: 8.82 S. Oct 10 2024 Print: 8.820 S. Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:47 ID:LkELFxQjap6PkElQq?iyfazbzGA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

11-0-15 22-1-13 11-0-15 11-0-15 22-1-13 4x6= 4 3 12¹² 0-0-4 ***** ***** 8 13 19 12 10 9 20 3x6 🍫 11 3x6, 3x6=

Scale = 1:75.6

this design.

Loading

TCLL (roof)

TCDL BCLL BCDL		10.0 0.0* 10.0	Lumber DOL Rep Stress Incr Code	1.15 YES IRC2	2015	/TPI2014
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	Structural 10-0-0 oc	o.2 o.2 *Except wood shea purlins.	t* 13-2,8-6:2x4 SP athing directly appli applied or 6-0-0 oc	ied or	2)	Wind: AS Vasd=10 II; Exp B; and C-C 11-1-3, C 21-10-2 z members Lumber [
WEBS REACTIONS	Max Horiz Max Horiz Max Uplift Max Grav	1=22-1-13 10=22-1-1 12=22-1-1 18=22-1-1 1=269 (LC 1=-185 (LC 10=-275 (I 12=-261 (I 1=208 (LC (LC 20), 1 (LC 22), 1		3), 9), C 12) 8=367 =725	3) 4) 5) 6) 7) 8) 9)	Truss de only. For see Stan or consul Building I verifying requirem All plates Gable ret Gable stu This trus chord live * This trus
FORCES	(lb) - Max Tension	(),	pression/Maximum			on the bo 3-06-00 t chord an
TOP CHORD			234/334, 3-4=-269/ 79/211, 6-7=-104/1			All bearin
BOT CHORD WEBS	1-13=-103 11-12=-10 7-8=-103/ 4-11=-524	3/78, 12-13)3/76, 10-1 '76 4/155, 3-12	=-103/76, 1=-103/76, 8-10=-1 =-347/286,	103/76,	11)	Provide r bearing p 1, 8 lb up uplift at jo at joint 8.
NOTES	2-13=-286	6/223, 5-10	=-349/291, 6-8=-28	32/215	LO	AD CASE
	ad roof live l	oode bovo	been considered fo	hr.		
i) Unbalance		uaus nave	Deen considered it	л		

(psf)

20.0

Spacing

Plate Grip DOL

2-0-0

1.15

11-1-3

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-4 to 3-1-3, Exterior (2) 3-1-3 to 11-1-3, Corner (3) 11-1-3 to 14-1-3, Exterior (2) 14-1-3 to 21-10-2 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

CSI

тс

BC

WB

Matrix-MS

22-1-13

0.24

0.17

0.27

DEFL

Vert(LL)

Vert(TL)

Horiz(TL)

in

n/a

n/a

0.00

(loc)

7

l/defl

n/a 999

n/a

n/a n/a

L/d

999

PLATES

Weight: 121 lb

MT20

GRIP

244/190

FT = 20%

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. Building Designer/Project engineer responsible for 1) verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component. All plates are 2x4 (||) MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing. 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, with BCDL = 10.0psf. 0) All bearings are assumed to be SP No.2.

1) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 1, 8 lb uplift at joint 11, 261 lb uplift at joint 12, 207 lb uplift at joint 13, 275 lb uplift at joint 10 and 185 lb uplift at joint 8.

OAD CASE(S) Standard



Page: 1

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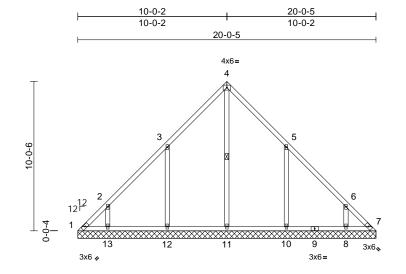
818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	AV3	Valley	1	1	I6922 Job Reference (optional)	22853

Run: 8.82 S. Oct 10 2024 Print: 8.820 S. Oct 10 2024 MiTek Industries. Inc. Tue Oct 29 06:16:48 ID:Ac4BxAlpARkzvXPJhB?NiGzbzGL-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:71.5

Loading

TCDI

TCLL (roof)

BCLL BCDL		0.0* 10.0	Rep Stress Incr Code	YES	15/TPI2014
BCDL		10.0	CODE	IRC20	15/1712014
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	Structural 6-0-0 oc p Rigid ceili	o.2 o.3 *Excep I wood shea ourlins.	t* 11-4:2x4 SP No.2 athing directly applied applied or 6-0-0 oc		2) Wind: AS Vasd=10 II; Exp B; and C-C 10-0-6, C to 19-8-9 for memb Lumber I
WEBS	bracing. 1 Row at	midnt	4-11	3	3) Truss de
REACTIONS	(size) Max Horiz Max Uplift Max Grav	1=20-0-5, 10=20-0-5 13=20-0-5 1=243 (LC 1=-167 (L1 8=-123 (L1 11=-35 (L1 13=-173 (L 1=195 (LC (LC 1), 10 (LC 22), 1	7=20-0-5, 8=20-0-5, 5, 11=20-0-5, 12=20- 5, 18=20-0-5	0-5, 13), 12), =284 87 275	 only. For see Stan or consul Building I building I verifying requirem All plates Gable stu Gable stu This trust chord live * This tru on the bo
FORCES	(lb) - Max Tension	imum Com	pression/Maximum		3-06-00 t
TOP CHORD	1-2=-298/		255/284, 3-4=-300/39 106/135, 6-7=-64/95	,	chord an 10) All bearir 11) Provide r
BOT CHORD	1-13=-57/	71, 12-13=	-49/64, 11-12=-49/64 -49/64, 7-8=-49/64	4,	bearing p 1, 1 lb up
WEBS			=-350/288, =-355/297, 6-8=-256	/192	at joint 12 10, 123 ll
NOTES				I	OAD CASE

(psf)

20.0

10.0

Spacing

Plate Grip DOL

Lumber DOL

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-4 to 3-0-4, Exterior (2) 3-0-4 to 10-0-6, Corner (3) 10-0-6 to 13-0-6, Exterior (2) 13-0-6 to 19-8-9 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

20-0-5

0.22

0.19

0.22

DEFL

Vert(LL)

Vert(TL)

Horiz(TL)

in

n/a

n/a

0.00

(loc)

7

l/defl

n/a 999

n/a

n/a n/a

L/d

999

PLATES

Weight: 105 lb

MT20

GRIP

244/190

FT = 20%

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. Building Designer/Project engineer responsible for 4) verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component. All plates are 2x4 (||) MT20 unless otherwise indicated. 5) 6) Gable requires continuous bottom chord bearing. 7) Gable studs spaced at 4-0-0 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 20.0psf 9)

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. 10) All bearings are assumed to be SP No.2.

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint 1, 1 lb uplift at joint 7, 35 lb uplift at joint 11, 266 lb uplift at joint 12, 173 lb uplift at joint 13, 289 lb uplift at joint 10, 123 lb uplift at joint 8 and 1 lb uplift at joint 7.

LOAD CASE(S) Standard



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818 Soundside Road Edenton, NC 27932

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

CSI

тс

BC

WB

Matrix-MS

2-0-0

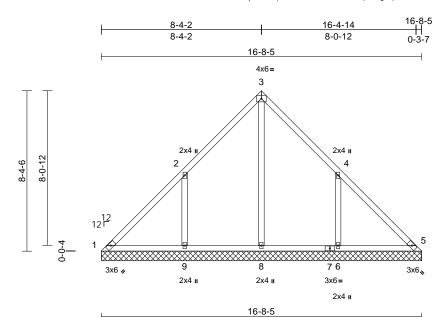
1.15

1.15

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	AV4	Valley	1	1	Job Reference (optional)	169222854

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Page: 1



Scale = 1:53.5

LUMBER TOP CHORD BOT CHORD OTHERS 2x4 SP No.2 BOT CHORD OTHERS 2x4 SP No.3 *Except* 8-3:2x4 SP No.2 BRACING TOP CHORD STUCUTURI wood sheathing directly applied or 100-0 oc purlins. 500 CHORD STUCUTURI wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Rigid ceiling directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 500 CHORD Structural wood sheathing directly applied or 6-0-0 c bracing. 700 Fist wood sheathing directly applied or 6-0-0 c bracing. 700 Fist wood sheathing directly applied or 6-0-0 c bracing. 700 Fist wood sheathing directly applied or 6-0-0 c bracing. 700 Fist wood sheathing directly applied or 6-0-0 c bracing. 700 Fist wood sheathing directly applied bracing. 700 Fist wood sheathing directly applied or 6-0-0 c bracing. 700 Fist wood sheathing directly applied or 6-0-0 c bracing. 700 Fist wood sheathing directly applied bracing. 700	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 IRC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.29 0.18 0.52	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 81 lb	GRIP 244/190 FT = 20%
FORCES (lb) - Maximum Compression/Maximum at joint 6 and 1 lb uplift at joint 5. Tension LOAD CASE(S) TOP CHORD 1-2=-183/371, 2-3=-76/324, 3-4=-75/295, 4-5=-201/272	TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 *Except Structural wood shea 10-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=16-8-5, 8=16-8-5, Max Horiz 1=201 (LC Max Uplift 1=-111 (LC 6=-278 (LC 14=-1 (LC (LC 20), 8 19), 14=1	athing directly applied applied or 6-0-0 oc 5=16-8-5, 6=16-8-5, 9=16-8-5, 14=16-8-5 3 (LC 13), C 13), 9=-286 (LC 12) 13) (C 11), 5=1 (LC 20), 6= =677 (LC 22), 9=494 (LC 20)	4) or 5) 6) 7) 8) , 8)	only. For stu see Standard or consult qu Building Des verifying Rai requirements Gable requir Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings)) Provide mec bearing plate	Ids exposed to w d Industry Gable alified building d igner/Project eng n Load = 5.0 (ps s specific to the u es continuous bo spaced at 4-0-0 is been designed and nonconcurren has been designed n chord in all are by 2-00-00 wide e by 2-00-00 wide e hanical connecti e capable of with	vind (norm End Deta lesigner as gineer resp f) covers r se of this bittom chor oc. d for a 10.0 t with any ed for a live as where will fit betw s, with BC be SP No. on (by oth standing 1	al to the face ils as applica s per ANSI/T bonsible for ain loading truss compo d bearing. 0 psf bottom other live load e load of 20. a rectangle veen the bott DL = 10.0ps 2. ers) of truss i 11 lb uplift ai	e), Ible, PI 1. nent. ads. Opsf om f. to t joint					
10P CHORD 1-Z=-183/3/1, Z-3=-76/324, 3-4=-75/295, 4-5=-201/272	FORCES	()	pression/Maximum	14	at joint 6 and	I 1 lb uplift at joir		,						
BOT CHORD 1-9=-159/96, 8-9=-159/96, 6-8=-159/96, 5-6=-159/96 WEBS 3-8=-472/0, 2-9=-362/288, 4-6=-360/285	TOP CHORD	,	76/324, 3-4=-75/295,			Ganuaru								
WEBS 3-8=-472/0, 2-9=-362/288, 4-6=-360/285	BOT CHORD		59/96, 6-8=-159/96,										mm	0111
		3-8=-472/0, 2-9=-362	2/288, 4-6=-360/285									13	"'TH CA	RO

Unbalanced roof live loads have been considered for 1) this design. 2)

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-4 to 3-0-4, Exterior (2) 3-0-4 to 8-4-6, Corner (3) 8-4-6 to 11-4-6, Exterior (2) 11-4-6 to 16-4-9 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60



818 Soundside Road Edenton, NC 27932

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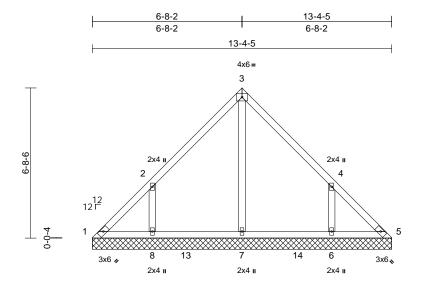
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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	AV5	Valley	1	1	Job Reference (optional)	169222855

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13-4-5

DEFL

in (loc)

l/defl

L/d

PLATES

GRIP

244/190

FT = 20%

Scale = 1	1:46.9
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Loading

LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD	10. 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood	0 Plate Grip DOL 0 Lumber DOL 0* Rep Stress Incr 0 Code sheathing directly applie	5	verifying Ra requirement Gable requi Gable studs This truss h	TC BC WB Matrix-MS signer/Project en in Load = 5.0 (ps s specific to the res continuous b spaced at 4-0-0 as been designe ad nonconcurrer	of) covers r use of this ottom chor oc. d for a 10.1	Horiz(TL) ponsible for ain loading truss compoi d bearing. 0 psf bottom		 n/a n/a n/a	999 999 n/a	MT20 Weight: 62 lb
	bracing. (size) 1=13- 7=13- Max Horiz 1=-16 Max Uplift 1=-50 (LC-1) Max Grav 1=133 6=374	ectly applied or 10-0-0 or -4-5, 5=13-4-5, 6=13-4-5 -4-5, 8=13-4-5	, =-220 ¹),	 * This truss on the botto 3-06-00 tall chord and a All bearings Provide med bearing plat 	has been design m chord in all ar- by 2-00-00 wide ny other membe are assumed to schanical connect e capable of with t at joint 5, 225 I 6.	ed for a liv eas where will fit betw rs, with BC be SP No. ion (by oth istanding 5	e load of 20.0 a rectangle veen the botto DL = 10.0pst 2. ers) of truss t 50 lb uplift at j	Opsf om o oint			
FORCES	(lb) - Maximum (Tension	Compression/Maximum									
TOP CHORD		-3=-153/134, 3-4=-134/1	22,								
BOT CHORD	1-8=-69/124, 7-8 5-6=-69/124	8=-69/124, 6-7=-69/124,									
WEBS	3-7=-168/0, 2-8=	=-312/249, 4-6=-312/247									WH CA

CSI

NOTES

 Unbalanced roof live loads have been considered for this design.

(psf)

Spacing

2-0-0

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-4 to 3-0-4, Exterior (2) 3-0-4 to 6-8-6, Corner (3) 6-8-6 to 9-8-6, Exterior (2) 9-8-6 to 13-4-9 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

SEAL 036322 October 30,2024

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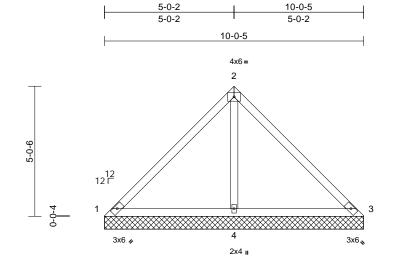
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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	AV6	Valley	1	1	Job Reference (optional)	169222856

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Doi7J4zJC?t



10-0-5

Scale = 1:40.4

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 IRC2015/TPI2014	CSI TC 0. BC 0. WB 0. Matrix-MS	8 Vert(TL)	n/a	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 41 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 10-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=10-0-5 Max Horiz 1=-119 (L Max Uplift 1=-29 (LC 4=-234 (L Max Grav 1=72 (LC (LC 1) (lb) - Maximum Com	, 3=10-0-5, 4=10-0-5 C 8) C 24), 3=-29 (LC 23), C 12) 23), 3=72 (LC 24), 4-	 6) Gable studs 7) This truss he chord live lo 8) * This truss on the botto 3-06-00 tall chord and a 9) All bearings 10) Provide mee bearing plate 1, 29 lb uplif LOAD CASE(S) 	res continuous bottom of spaced at 4-0-0 oc. as been designed for a ad nonconcurrent with a has been designed for a m chord in all areas wh by 2-00-00 wide will fit f ny other members. are assumed to be SP chanical connection (by e capable of withstandin t at joint 3 and 234 lb up Standard	10.0 psf botto ny other live live load of 3 ere a rectang etween the b No.2. others) of tru g 29 lb uplift	om loads. 20.0psf le bottom ss to at joint					
TOP CHORD BOT CHORD WEBS NOTES											

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-4 to 3-0-4, Exterior (2) 3-0-4 to 5-0-6, Corner (3) 5-0-6 to 8-0-6, Exterior (2) 8-0-6 to 10-0-9 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component.

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TRENCO AMITER Affilia 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	AV7	Valley	1	1	Job Reference (optional)	169222857

3-4-2

3-4-2

84 Lumber-2383 (Dunn, NC), Dunn, NC - 28334,

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6-8-5

3-4-2

12 3

2x4 💊

6-8-5 4x6 =2

11

10



4 2x4 🖌 2x4 II 6-8-5

12 12 Г

9

3-4-6

Scale = 1:22.4

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 IRC2018	5/TPI2014	CSI TC BC WB Matrix-MP	0.14 0.14 0.07	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 27 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-8-5 oc purlins. Rigid ceiling directly bracing. (size) 1=6-8-5, 3 Max Horiz 1=-78 (LC Max Uplift 4=-130 (L Max Grav 1=67 (LC	3=6-8-5, 4=6-8-5 3) C 12)	7) 8) d or 9) 10	This truss ha chord live loa * This truss h on the botton 3-06-00 tall b chord and an All bearings a D) Provide mecl	spaced at 4-0-0 or s been designed h onconcurrent v as been designed n chord in all areas y 2-00-00 wide wi y other members. are assumed to be nanical connection capable of withst	for a 10.0 with any I for a liv s where II fit betw e SP No. n (by oth	other live load e load of 20.0 a rectangle veen the botto 2. ers) of truss to)psf om o					
FORCES TOP CHORD BOT CHORD WEBS	(LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-73/160, 2-3=-72/149 BOT CHORD 1-4=-151/124, 3-4=-149/123												
 this design Wind: ASC Vasd=103 II; Exp B; I and C-C E 3-4-6, Exte 6-8-9 zone members Lumber Duite Truss desi only. For : see Stand or consult Building D 	ed roof live loads have h. CE 7-10; Vult=130mph imph; TCDL=6.0psf; B Enclosed; MWFRS (er Exterior (2) 0-0-4 to 3-0 erior (2) 3-4-6 to 6-4-6 e; end vertical left and and forces & MWFRS OL=1.60 plate grip DC igned for wind loads in studs exposed to wind lard Industry Gable En qualified building desi lesigner/Project engine ain Load = 5.0 (psf) o	Cat. e to r s le,							Contraction of the second seco	ic	SEA 0363		

- 4) verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.

818 Soundside Road Edenton, NC 27932

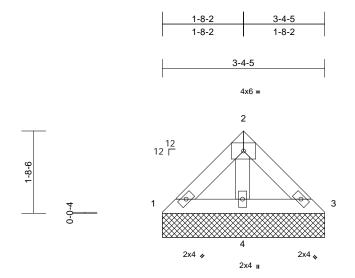
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October 30,2024

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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	AV8	Valley	1	1	Job Reference (optional)	169222858

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:48 ID:WmIolSky?lxVOTuT?XBarZzbzH3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



3-4-5

Scale = $1:16.1$	ale = 1:16.1
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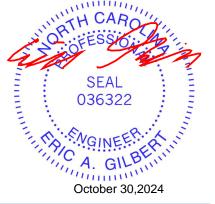
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20	15/TPI2014	CSI TC BC WB Matrix-MP	0.02 0.04 0.02	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 12 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 3-4-5 oc purlins. Rigid ceiling directly bracing. (size) 1=3-4-5, 3 Max Horiz 1=-37 (LC Max Uplift 1=-6 (LC - (LC 12) Max Grav 1=49 (LC (LC 1)	applied or 6-0-0 oc 3=3-4-5, 4=3-4-5 2 8) 13), 3=-9 (LC 13), 4=	ed or g 1 1 =-41	 chord live lo * This truss on the botto 3-06-00 tall chord and a All bearings Provide med bearing plate 	e capable of w joint 3 and 41	ent with any gned for a liv areas where de will fit betw pers. to be SP No. ection (by oth ithstanding 6	other live loa e load of 20. a rectangle veen the bott 2. ers) of truss i lb uplift at jo	ads. Opsf tom to					
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-2=-41/45, 2-3=-43	/37											
	1-1-15/13 3-1-13	112											

BOT CHORD 1-4=-45/43, 3-4=-43/42 WEBS 2-4=-91/27

NOTES

 Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4-0-0 oc.



Page: 1

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TRENCISEERING BY A MITCH Affiliate B18 Soundside Road Edenton, NC 27932

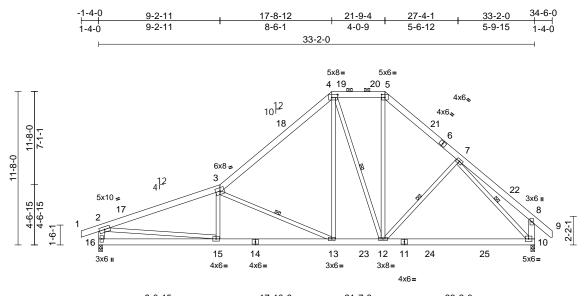
Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	B01	Piggyback Base	2	1	Job Reference (optional)	169222859

1)

this design.

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries. Inc. Tue Oct 29 06:16:48 ID:IEpncjexurwdREHwXr1iWtzbzHB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	9-0-15	17-10-8	21-7-8	33-2-0	1
	9-0-15	8-9-9	3-9-1	11-6-8	Т
Scale = 1:80.1					
Plate Offsets (X, Y): [4:0-5-4,0-2-12], [5:0-3-0,0)-2-12]				

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	TC	0.52	Vert(LL)	-0.13	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.26	10-12	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 289 lb	FT = 20%

LUMBER		2)
TOP CHORD	2x6 SP No.2	
BOT CHORD	2x6 SP No.2	
WEBS	2x4 SP No.2 *Except* 15-3:2x4 SP No.3,	
	16-2,10-8:2x6 SP No.2	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or	
	4-4-5 oc purlins, except end verticals, and	
	2-0-0 oc purlins (6-0-0 max.): 4-5.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc	
	bracing.	3)
WEBS	1 Row at midpt 3-13, 4-12, 7-12, 7-10	
REACTIONS	(size) 10=0-3-8, 16=0-3-8	-
	Max Horiz 16=334 (LC 11)	4)
	Max Uplift 10=-221 (LC 13), 16=-281 (LC 12)	5)
	Max Grav 10=1398 (LC 1), 16=1402 (LC 1)	6)
FORCES	(lb) - Maximum Compression/Maximum	0)
1 ONOLO	Tension	
TOP CHORD	1-2=0/30, 2-3=-2333/436, 3-4=-1412/364,	
	4-5=-882/342, 5-7=-1262/371, 7-8=-393/179,	7)
	8-9=0/57, 2-16=-1307/356, 8-10=-446/215	8)
BOT CHORD	15-16=-344/523, 13-15=-451/2123,	0)
	12-13=-121/967, 10-12=-110/918	
WEBS	3-15=-30/217, 3-13=-1289/423,	9)
	4-13=-159/645, 4-12=-349/177,	•,
	5-12=-182/541, 7-12=-193/247,	
	2-15=-238/1611, 7-10=-1194/170	L
NOTES		-

Unbalanced roof live loads have been considered for

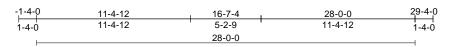
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-4-0 to 1-11-13, Interior (1) 1-11-13 to 17-8-12, Exterior (2) 17-8-12 to 21-0-8, Interior (1) 21-0-8 to 21-9-4, Exterior (2) 21-9-4 to 25-1-1, Interior (1) 25-1-1 to 34-5-3 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading 3)
- requirements specific to the use of this truss component. Provide adequate drainage to prevent water ponding. This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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.2
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 281 lb uplift at joint 16 and 221 lb uplift at joint 10.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- OAD CASE(S) Standard

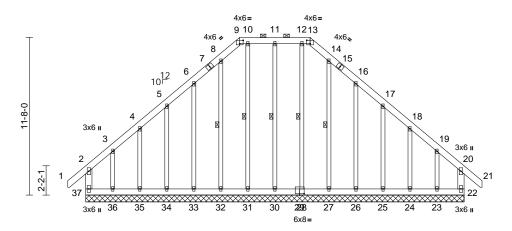


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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	C01E	Piggyback Base Supported Gable	1	1	Job Reference (optional)	169222860

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:49 ID:ZH_wxJm1cdfB4438MYPualzbzVE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





28-0-0

Scale = 1:77.8

Plate Offsets (X, Y): [9:0-3-0,0-3-0], [13:0-3-0,0-3-0], [29:0-4-0,0-1-4]

Loading 2-0-0 CSI DEFL l/defl L/d PLATES GRIP (psf) Spacing in (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.12 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.11 Vert(CT) n/a n/a 999 BCLL Rep Stress Incr WB Horz(CT) 22 0.0 YES 0.18 0.00 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-MR Weight: 304 lb FT = 20% LUMBER TOP CHORD 2-37=-251/175, 1-2=0/57, 2-3=-225/226 3) Truss designed for wind loads in the plane of the truss 3-4=-138/162, 4-5=-139/211, 5-6=-206/275, only. For studs exposed to wind (normal to the face), TOP CHORD 2x6 SP No.2 6-8=-283/366, 8-9=-296/376, 9-10=-261/341, see Standard Industry Gable End Details as applicable, 2x6 SP No.2 BOT CHORD 10-11=-261/341, 11-12=-261/341, or consult qualified building designer as per ANSI/TPI 1. 2x6 SP No.2 WEBS 12-13=-261/341, 13-14=-296/376, 4) Building Designer/Project engineer responsible for OTHERS 2x4 SP No 2 *Except* 14-16=-283/366, 16-17=-206/275, verifying Rain Load = 5.0 (psf) covers rain loading 35-4,36-3,24-18,23-19:2x4 SP No.3 17-18=-139/202, 18-19=-112/152, requirements specific to the use of this truss component. BRACING 19-20=-190/193, 20-21=0/57, 5) Provide adequate drainage to prevent water ponding. TOP CHORD Structural wood sheathing directly applied or 20-22=-229/147 All plates are 2x4 (||) MT20 unless otherwise indicated. 6) 6-0-0 oc purlins, except end verticals, and BOT CHORD 36-37=-164/161, 35-36=-164/161, Gable requires continuous bottom chord bearing. 7) 2-0-0 oc purlins (6-0-0 max.): 9-13 34-35=-164/161, 33-34=-164/161, 8) Truss to be fully sheathed from one face or securely BOT CHORD Rigid ceiling directly applied or 6-0-0 oc 32-33=-164/161, 31-32=-164/161, braced against lateral movement (i.e. diagonal web). bracing. 30-31=-164/161, 28-30=-164/161, 9) Gable studs spaced at 2-0-0 oc. WEBS 1 Row at midpt 11-30, 10-31, 8-32, 27-28=-164/161, 26-27=-164/161, 10) This truss has been designed for a 10.0 psf bottom 12-28, 14-27 25-26=-164/161, 24-25=-164/161, chord live load nonconcurrent with any other live loads. **REACTIONS** (size) 22=28-0-0, 23=28-0-0, 24=28-0-0, 23-24=-164/161, 22-23=-164/161 * This truss has been designed for a live load of 20.0psf 11) 25=28-0-0, 26=28-0-0, 27=28-0-0, WEBS 11-30=-122/56, 10-31=-159/69, on the bottom chord in all areas where a rectangle 28=28-0-0, 30=28-0-0, 31=28-0-0, 8-32=-129/26, 6-33=-160/125, 3-06-00 tall by 2-00-00 wide will fit between the bottom 32=28-0-0, 33=28-0-0, 34=28-0-0, 5-34=-145/109, 4-35=-143/101 chord and any other members. 35=28-0-0, 36=28-0-0, 37=28-0-0 3-36=-181/166, 12-28=-156/69, 12) All bearings are assumed to be SP No.2 . Max Horiz 37=-329 (LC 10) 14-27=-124/21, 16-26=-160/125 Max Uplift 22=-215 (LC 9), 23=-237 (LC 8), 17-25=-145/109, 18-24=-142/100, 24=-68 (LC 13), 25=-102 (LC 13), 19-23=-169/161 26=-112 (LC 13), 27=-9 (LC 8), NOTES ORT 30=-44 (LC 9), 32=-15 (LC 9), Unbalanced roof live loads have been considered for 1) 33=-112 (LC 12), 34=-102 (LC 12), this design. 35=-66 (LC 12), 36=-266 (LC 9), Wind: ASCE 7-10; Vult=130mph (3-second gust) 2) 37=-255 (LC 8) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. 22=308 (LC 19), 23=310 (LC 11), Max Grav VIIIIIIII II; Exp B; Enclosed; MWFRS (envelope) exterior zone 24=166 (LC 24), 25=181 (LC 20), and C-C Corner (3) -1-3-3 to 2-0-0, Exterior (2) 2-0-0 to SEAL 26=177 (LC 20), 27=165 (LC 20), 11-4-12, Corner (3) 11-4-12 to 14-4-12, Exterior (2) 28=196 (LC 21), 30=162 (LC 23), 036322 14-4-12 to 16-7-4, Corner (3) 16-7-4 to 19-7-4, Exterior 31=199 (LC 22), 32=169 (LC 19), (2) 19-7-4 to 29-3-3 zone; end vertical left and right 33=176 (LC 19), 34=182 (LC 19), exposed:C-C for members and forces & MWFRS for 35=166 (LC 23), 36=341 (LC 10), reactions shown: Lumber DOL=1.60 plate grip 37=341 (LC 20) DOI = 1.60FORCES (lb) - Maximum Compression/Maximum Tension G



Page: 1

Continued on page 2

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818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	C01E	Piggyback Base Supported Gable	1	1	Job Reference (optional)	169222860
84 Lumber-2383 (Dunn, NC), Du	nn, NC - 28334,	Run: 8.82 S Oct 10 2	024 Print: 8.8	320 S Oct 10	2024 MiTek Industries, Inc. Tue Oct 29 06:16:49	Page: 2

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 255 lb uplift at joint 37, 215 lb uplift at joint 22, 44 lb uplift at joint 30, 15 lb uplift at joint 32, 112 lb uplift at joint 33, 102 lb uplift at joint 34, 66 lb uplift at joint 35, 266 lb uplift at joint 36, 9 Ib uplift at joint 27, 112 lb uplift at joint 26, 102 lb uplift at joint 25, 68 lb uplift at joint 24 and 237 lb uplift at joint 23.

14) 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

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:49 ID:ZH_wxJm1cdfB4438MYPualzbzVE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	C01M	Piggyback Base	4	1	Job Reference (optional)	169222861

14-0-0

5x6= 6x8 🖌

> 6 22 7

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17

3x10=

11-4-12 16-7-4 1-6-8 2-7-4 1-6-8

28-0-0

2x4 II

<u>9-10-4</u>11-4-12

4-0-2

18-1-12

5x6=

23 8 6x8,

Ð

16

15

3x10=

28

29

22-1-14

4-0-2

84 Lumber-2383 (Dunn, NC), Dunn, NC - 28334.

Run: 8.82 S. Oct 10 2024 Print: 8.820 S. Oct 10 2024 MiTek Industries. Inc. Tue Oct 29 06:16:49 ID:OcmvUwDoCo_aBA6VDb5LGozbzVx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

29-4-0

1-4-0

3x6 II

13

25 12

28-0-0

5-10-2



5 q 10¹² 19 21 4x8= 3 11-8-0 3x6 II 20 2-2-1

26

5-10-2

5-10-2

1-4-0

	9-10-4	16-0-0	18-1-12	28-0-0	
Scale = 1:80.1	9-10-4	6-1-12	2-1-12	9-10-4	1

27

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	0.21	Vert(LL)	0.14	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.19	17-18	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.09	15-17	>999	360	Weight: 277 lb	FT = 20%

LOWIDER	
TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2 *Except* 18-2,14-12:2x6 SP
	No.2, 7-19,19-6,8-19:2x4 SP No.3
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	5-8-5 oc purlins, except end verticals, and
	2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
WEBS	1 Row at midpt 3-18, 11-14
JOINTS	1 Brace at Jt(s): 19
REACTIONS	(size) 14=0-3-8, 18=0-3-8
	Max Horiz 18=-330 (LC 10)
	Max Grav 14=1674 (LC 2), 18=1674 (LC 2)
FORCES	
FORCES	(Ib) - Maximum Compression/Maximum Tension
FORCES	(lb) - Maximum Compression/Maximum
	(lb) - Maximum Compression/Maximum Tension
	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23,
	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119,
	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23,
	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23, 11-12=-405/181, 12-13=0/60, 2-18=-468/214, 12-14=-467/214
TOP CHORD	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23, 11-12=-405/181, 12-13=0/60, 2-18=-468/214, 12-14=-467/214
TOP CHORD	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23, 11-12=-405/181, 12-13=0/60, 2-18=-468/214, 12-14=-467/214 17-18=0/1312, 15-17=0/1296, 14-15=0/1168
TOP CHORD	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23, 11-12=-405/181, 12-13=0/60, 2-18=-468/214, 12-14=-467/214 17-18=0/1312, 15-17=0/1296, 14-15=0/1168 3-17=-128/316, 11-15=-129/316,
TOP CHORD	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23, 11-12=-405/181, 12-13=0/60, 2-18=-468/214, 12-14=-467/214 17-18=0/1312, 15-17=0/1296, 14-15=0/1168 3-17=-128/316, 11-15=-129/316, 3-18=-1552/0, 11-14=-1551/0, 5-17=-113/707,
TOP CHORD	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23, 11-12=-405/181, 12-13=0/60, 2-18=-468/214, 12-14=-467/214 17-18=0/1312, 15-17=0/1296, 14-15=0/1168 3-17=-128/316, 11-15=-129/316, 3-18=-1552/0, 11-14=-1551/0, 5-17=-113/707, 9-15=-114/707, 5-19=-1068/82,
TOP CHORD	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23, 11-12=-405/181, 12-13=0/60, 2-18=-468/214, 12-14=-467/214 17-18=0/1312, 15-17=0/1296, 14-15=0/1168 3-17=-128/316, 11-15=-129/316, 3-18=-1552/0, 11-14=-1551/0, 5-17=-113/707, 9-15=-114/707, 5-19=-1068/82, 9-19=-1068/82, 7-19=-130/84,
TOP CHORD BOT CHORD WEBS	(lb) - Maximum Compression/Maximum Tension 1-2=0/60, 2-3=-406/181, 3-5=-1651/23, 5-6=-452/111, 6-7=-483/119, 7-8=-483/119, 8-9=-452/111, 9-11=-1651/23, 11-12=-405/181, 12-13=0/60, 2-18=-468/214, 12-14=-467/214 17-18=0/1312, 15-17=0/1296, 14-15=0/1168 3-17=-128/316, 11-15=-129/316, 3-18=-1552/0, 11-14=-1551/0, 5-17=-113/707, 9-15=-114/707, 5-19=-1068/82, 9-19=-1068/82, 7-19=-130/84,

this design.

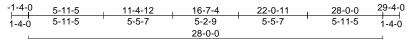
- Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-4-0 to 1-8-0, Interior (1) 1-8-0 to 11-4-12, Exterior (2) 11-4-12 to 15-7-10, Interior (1) 15-7-10 to 16-7-4, Exterior (2) 16-7-4 to 20-10-3, Interior (1) 20-10-3 to 29-4-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading 3) requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding. All plates are 4x6 (=) MT20 unless otherwise indicated. 5) This truss has been designed for a 10.0 psf bottom 6) chord live load nonconcurrent with any other live loads. 7) * This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 8) Ceiling dead load (5.0 psf) on member(s). 5-19, 9-19;
- Wall dead load (10.0psf) on member(s).5-17, 9-15 9) Bottom chord live load (40.0 psf) and additional bottom
- chord dead load (5.0 psf) applied only to room. 15-17 10) All bearings are assumed to be SP No.2.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.
- LOAD CASE(S) Standard



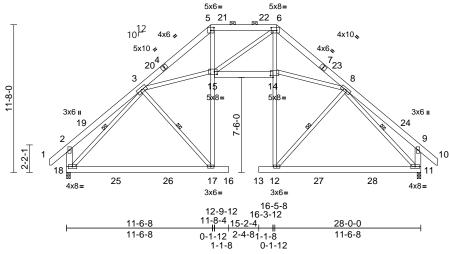
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 **BCSI Building Component Statu Information** available from the Structural Building Component Advection 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	Buck & Mel House - Godwin Construction	
2404390-17999	C02	Piggyback Base	1	1	Job Reference (optional)	169222862

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:49 ID:xx34f9toOOiMazxn6o2wABzbzSV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



Scale = 1:81

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	5/TPI2014	CSI TC BC WB Matrix-MS	0.29 0.71 0.84	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.22 -0.47 0.39	(loc) 11-12 11-12 11	l/defl >999 >710 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 274 lb	GRIP 244/190 FT = 20%
BOT CHORD 2x6 WEBS 2x4 No.3 BRACING TOP CHORD Stru BOT CHORD Rigi brac 2-0- BOT CHORD Rigi brac 1 Red REACTIONS (size) Max 0 Max 0 FORCES (lb) - TOP CHORD 1-2= 5-6= 8-9= 9-11 17-1 BOT CHORD 17-1 BOT CHORD 17-1 WEBS 3-17 5-15 12-1 WEBS 3-17 S-15 12-1 WEBS 3-17	k, 18-2,11-9:2x6 ectural wood she 9 oc purlins, ex 0 oc purlins (4-1 d ceiling directly ing. w at midpt 11=0-3-8 doriz 18=-329 Jplift 11=-192 Grav 11=1215 Maximum Com 60/57, 2-3=-456/ -2146/331, 6-80 =-492/216 8=-212/874, 16 5=-211/2127, 1	Pathing directly applied (cept end verticals, and papplied or 10-0-0 oc 3-17, 8-12, 3-18, 8-11 , 18=0-3-8 (LC 10) (LC 13), 18=-192 (LC (LC 1), 18=1216 (LC - pression/Maximum (181, 3-5=-2793/384, =-2656/266, =0/57, 2-18=-493/215, -17=0/0, 2-13=0/0, 11-12=-81/7, -17=-210/1198, 15=-201/203, 14=-29/1369, 18=-900/130,	SP l or d 1 12) 5) 1) 6) 7) 8) 754 9)	Vasd=103mj II; Exp B; En and C-C Ext to 11-4-12, E 15-7-10 to 11 (1) 20-10-3 t exposed;C-C reactions she DOL=1.60 Building Des verifying Rai requirements Provide aded This truss ha chord live loa * This truss ha chord and ar All bearings Provide mec bearing plate 18 and 192 I Graphical pu		BCDL=3 envelope -8-13, Ir to 15-7 16-7-4 to 15-7 forces & =1.60 pla eeer resp covers r e of this prevent v for a liv s where I fit betw with BC SP No. (by oth anding 1 does no	.0psf, h=25ft;) exterior zon tterior (1) 1-8 -10, Interior (' 2 20-10-3, Inte I left and right & MWFRS for ain loading truss compor onsible for ain loading truss compor other live load e load of 20.0 a rectangle ween the bottt DL = 10.0psf 2 . ers) of truss to 92 Ib uplift at bt depict the s	ne -13 1) erior nent. J. ds. Jpsf om o joint				ORTH CA	Ka 1

NOTES

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

Plate Offsets (X, Y): [5:0-3-0,0-2-12], [6:0-5-4,0-2-12], [14:0-2-8,0-1-12], [15:0-2-8,0-2-8]



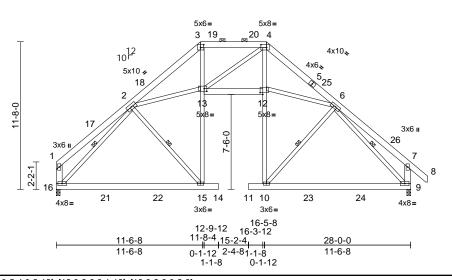
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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual 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 Schut Information, purplication component of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	C02A	Piggyback Base	1	1	Job Reference (optional)	169222863

Run: 8.82 S. Oct 10 2024 Print: 8.820 S. Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:49 ID:xx34f9toOOiMazxn6o2wABzbzSV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:81

Plate Offsets (X, Y): [3:0-3-0,0-2-12], [4:0-5-4,0-2-12], [12:0-2-8,0-1-12], [13:0-2-8,0-2-8]

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	TC	0.29	Vert(LL)	-0.22	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.46	9-10	>717	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.39	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 270 lb	FT = 20%

LUMBER	
TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2 *Except* 16-1,9-7:2x6 SP No.2,
	4-13,13-2,12-6:2x4 SP No.3
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	4-4-2 oc purlins, except end verticals, and
	2-0-0 oc purlins (4-11-2 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
WEBS	1 Row at midpt 6-10, 2-15, 6-9, 2-16
REACTIONS	()
	Max Horiz 16=-319 (LC 8)
	Max Uplift 9=-191 (LC 13), 16=-161 (LC 12)
	Max Grav 9=1218 (LC 1), 16=1123 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-428/141, 2-3=-2801/380,
	3-4=-2151/327, 1-16=-382/126,
	7-9=-490/216, 4-6=-2666/263, 6-7=-454/181,
	7-8=0/57
BOT CHORD	15-16=-210/880, 14-15=0/0,
	12-13=-209/2131, 10-11=0/0, 9-10=-81/756
WEBS	6-10=-1130/122, 2-15=-1351/322,
	6-9=-905/129, 2-16=-925/189,
	13-15=-207/1206, 3-13=-135/1521,
	10-12=-55/1000, 4-12=-28/1370,
	4-13=-200/202, 2-13=-367/2213,
	6-12=-212/2020
NOTES	

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 11-4-12, Exterior (2) 11-4-12 to 15-7-10, Interior (1) 15-7-10 to 16-7-4, Exterior (2) 16-7-4 to 20-10-3, Interior (1) 20-10-3 to 29-3-3 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading 3)

- requirements specific to the use of this truss component. Provide adequate drainage to prevent water ponding. 4) 5) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 6) * This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. All bearings are assumed to be SP No.2.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 9 and 161 lb uplift at joint 16.
- Graphical purlin representation does not depict the size 9) or the orientation of the purlin along the top and/or bottom chord.
- LOAD CASE(S) Standard



Page: 1

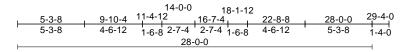
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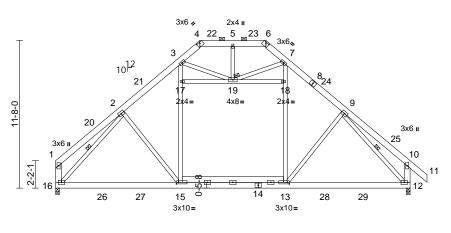
1) Unbalanced roof live loads have been considered for this design.



Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	C03	Piggyback Base	1	1	Job Reference (optional)	169222864

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:49 ID:sNSZV5mnrjsroAn5JklqchzbzIJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1	9-10-4	16-0-0	18-1-12	28-0-0	
Scale = 1:80.1	9-10-4	6-1-12	2-1-12	9-10-4	

Plate Offsets (X, Y): [4:0-3-0,0-1-1], [6:0-3-0,0-1-1], [13:0-2-0,0-1-8], [15:0-2-0,0-1-8]

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 IRC2015	/TPI2014	CSI TC BC WB Matrix-MS	0.47 0.61 0.42	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in 0.15 -0.20 0.03 -0.10	(loc) 15-16 15-16 12 13-15	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 277 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x6 SP No.2 2x6 SP No.2 2x4 SP No.2 *Excep No.2, 5-19,19-3,7-19	,	2)	Vasd=103m II; Exp B; En and C-C Ext	7-10; Vult=130mp bh; TCDL=6.0psf; E closed; MWFRS (e erior (2) 0-2-12 to 3 exterior (2) 11-4-12	3CDL=3 invelope 3-2-12, I	.0psf; h=25ft e) exterior zon nterior (1) 3-2	ne 2-12					
BRACING TOP CHORD BOT CHORD	Structural wood shea 5-7-10 oc purlins, ex 2-0-0 oc purlins (6-0	athing directly applied xcept end verticals, a	nd	15-7-10 to 10 (1) 20-10-3 t exposed;C-0	6-7-4, Exterior (2) 1 o 29-4-0 zone; end C for members and own; Lumber DOL=	6-7-4 to vertica forces a	20-10-3, Int l left and right & MWFRS for	erior t					
WEBS JOINTS REACTIONS	bracing.	2-16, 9-12	3) 4)	verifying Rai requirements Provide adeo	igner/Project engin n Load = 5.0 (psf) (s specific to the use quate drainage to p	covers r e of this prevent	ain loading truss compoi water ponding	g.					
FORCES	Max Horiz 16=-320 (I Max Grav 12=1631 ((Ib) - Maximum Com Tension	LC 8) (LC 2), 16=1548 (LC	7)	This truss ha chord live loa * This truss h	4x6 (=) MT20 unl is been designed for ad nonconcurrent w has been designed in chord in all areas	or a 10.0 vith any for a liv) psf bottom other live loa e load of 20.0	ıds.					

	lension
TOP CHORD	1-2=-328/127, 2-3=-1615/61, 3-4=-783/125,
	4-5=-669/105, 5-6=-669/105, 6-7=-784/124,
	7-9=-1611/56, 9-10=-358/160, 10-11=0/60,
	1-16=-301/108, 10-12=-421/194
BOT CHORD	15-16=-36/1273, 13-15=0/1240,
	12-13=0/1112
WEBS	2-15=-111/286, 9-13=-105/288, 2-16=-1549/0
	9-12=-1530/0, 15-17=-72/686, 3-17=0/706,
	13-18=-72/681, 7-18=0/702, 17-19=-51/46,
	18-19=-52/45, 5-19=0/461, 3-19=-601/64,
	7-19=-600/65

NOTES

S

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

3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 8) Ceiling dead load (5.0 psf) on member(s). 17-19, 18-19;

Wall dead load (10.0psf) on member(s).15-17, 13-18 9) Bottom chord live load (40.0 psf) and additional bottom

chord dead load (5.0 psf) applied only to room. 13-15 0, 10) All bearings are assumed to be SP No.2.

11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard



Page: 1

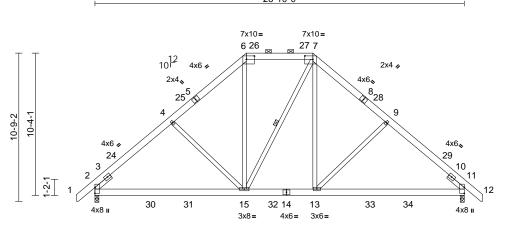
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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	D01	Piggyback Base	3	1	Job Reference (optional)	169222865

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:50 ID:EvHAdHpstGQBIMUw077MbEzbzgo-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



• • • • • •				<u>10-10-4</u> 10-10-4		<u>15-11-12</u> 5-1-8	<u>!</u>		<u>6-10-0</u> 0-10-4		—–––		
Scale = 1:76.4													
Plate Offsets	(X, Y): [6:0-7-0,0-3-0],	, [7:0-7-0,0-3-0]											
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.18	Vert(LL)		13-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.10	Vert(CT)		13-22	>999	180	11120	211/100
BCLL	0.0*	Rep Stress Incr	YES		WB	0.30	Horz(CT)	0.03	10 22	n/a	n/a		
BCDL	10.0	Code		5/TPI2014	Matrix-MS	0.00		0.00		1.70		Weight: 219 lb	FT = 20%
LUMBER			2)		7-10; Vult=13								
TOP CHORD					oh; TCDL=6.0								
BOT CHORD	2x6 SP No.2				closed; MWFI								
WEBS	2x4 SP No.2				erior (2) -1-3-3								
SLIDER	Left 2x4 SP No.3 1	1-6-0, Right 2x4 SP	No.3		cterior (2) 11-0								
	1-6-0	-			5-10-0, Exterio								
BRACING					0-0-15 to 28-1								
TOP CHORD	Structural wood she	athing directly applie	ed or		d;C-C for men			RS					
	6-0-0 oc purlins, exc	0 7 11			shown; Lumb	er DOL=1.60) plate grip						
	2-0-0 oc purlins (6-0			DOL=1.60									
BOT CHORD			c 3)	Building Des	igner/Project	engineer resp	oonsible for						
Der enerte	bracing.		0		n Load = 5.0 (
WEBS	0	7-15			s specific to th								
REACTIONS			4)	Provide adeo	quate drainage	e to prevent v	vater pondin	ıg.					
REACTIONS	(Size) 2=0-3-6, Max Horiz 2=-255 (L		5)	This truss ha	as been desigr	ned for a 10.0) psf bottom						
	,	,	10)	chord live loa	ad nonconcurr	rent with any	other live loa	ads.					
	Max Uplift 2=-196 (L			* This truss h	has been desi	gned for a liv	e load of 20.	.0psf					
	Max Grav 2=1149 (I	LC 1), 11=1149 (LC	1)	on the bottor	n chord in all	areas where	a rectangle						
FORCES	(lb) - Maximum Corr	npression/Maximum		3-06-00 tall b	by 2-00-00 wid	de will fit betw	een the bott	tom					
	Tension			chord and ar	ny other memb	pers, with BC	DL = 10.0ps	sf.					
TOP CHORD	1-2=0/49, 2-4=-1260	0/300, 4-6=-1054/32	5, 7)	All bearings	are assumed	to be SP No.	2.						
	6-7=-737/306, 7-9=-	-1064/325,	8)		hanical conne			to					
	9-11=-1259/300, 11	-12=0/49	,	bearing plate	e capable of w	ithstanding 1	96 Ib uplift a	it joint					111
BOT CHORD	2-15=-224/1016, 13	-15=-38/761,			uplift at joint '							11111 00	D''''
	11-13=-112/890		9)	Graphical pu	Irlin représent	ation does no	t depict the	size				I'TH UA	ROUL
WEBS	4-15=-321/246, 6-15	5=-99/403,	- /		ation of the pu						N	A	in the
	7-15=-122/125, 7-13	3=-129/458,		bottom chore							Es	U. FESS	A start
	9-13=-323/247		10	DAD CASE(S)							55		1 Mar L
NOTES			_		clandard						v	R /	
	ed roof live loads have	been considered fo	r							-		CEA	r 13
this desig												SEA	L <u>i</u> E
and debig												0363	22
										-		. 0505	
										1	-	N	1 5
											1	A. A.	Airs
											15	0363	EFICAN
											11	710	alli
												A. G	ILDIN

The manner of the second se GI A. GIL October 30,2024

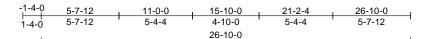
818 Soundside Road Edenton, NC 27932

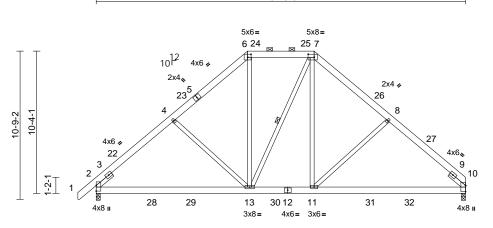
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	D01A	Piggyback Base	4	1	Job Reference (optional)	169222866

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:50 ID:fZ30WZgO94N6JGPagYv?zDzbzfh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







			L	11-1-1		15-8-			26-10-0			4	
Scale = 1:76.4				11-1-1	2	4-6-8	3		11-1-12				
Plate Offsets ()	K, Y): [6:0-3-0,0-2-12], [7:0-5-4,0-2-12]											
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.17	DEFL Vert(LL)	in	(loc) 11-16	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.17	Vert(CT)		11-16	>999	180	101120	244/190
BCLL	0.0*	Rep Stress Incr	YES		WB	0.32	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code	IRC201	5/TPI2014	Matrix-MS							Weight: 216 lb	FT = 20%
LUMBER FOP CHORD BOT CHORD WEBS	2x6 SP No.2 2x6 SP No.2 2x4 SP No.2		2)	Vasd=103mp II; Exp B; En	7-10; Vult=130m bh; TCDL=6.0psf; closed; MWFRS erior (2) -1-3-3 to	BCDL=3 (envelope	.0psf; h=25f e) exterior zo	ne					
SLIDER	Left 2x4 SP No.3 1	1-6-0, Right 2x4 SP N	No.3		terior (2) 11-0-0 t 5-10-0, Exterior (2								
BRACING	1-6-0				0-0-15 to 26-10-0								
TOP CHORD	Structural wood she 6-0-0 oc purlins, exc 2-0-0 oc purlins (6-0		d or	for reactions DOL=1.60	d;C-C for membe shown; Lumber [DOL=1.60) plate grip	RS					
BOT CHORD	Rigid ceiling directly bracing.		3)		igner/Project eng n Load = 5.0 (psf)								
VEBS	0	7-13	0		s specific to the u								
REACTIONS	(),		4) 5)		quate drainage to is been designed								
	Max Horiz 2=246 (LC		-,		ad nonconcurrent								
	Max Uplift 2=-196 (L Max Grav 2=1151 (L				nas been designe n chord in all area			.0psf					
ORCES	(lb) - Maximum Com Tension	pression/Maximum		3-06-00 tall b	by 2-00-00 wide w	/ill fit betv	veen the bot						
TOP CHORD	1-2=0/49, 2-4=-1260 6-7=-741/307, 7-8=- 8-10=-1263/308	,	2, 7) 8)	All bearings Provide mec	are assumed to b hanical connectio	e SP No. n (by oth	2. ers) of truss	to					
BOT CHORD	2-13=-236/1001, 11- 10-11=-139/896	-13=-47/749,	9)	10 and 196 l	e capable of withs b uplift at joint 2. Irlin representatio			•				THCA	RO
WEBS	4-13=-323/246, 6-13 7-13=-122/124, 7-11		0)		ation of the purlin			0120		1	i	OP	Billing
NOTES	8-11=-324/248		LC	AD CASE(S)	Standard					-			
	d roof live loads have	been considered for										SEA 0363	ER A

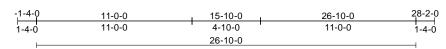
GI A. GIL October 30,2024

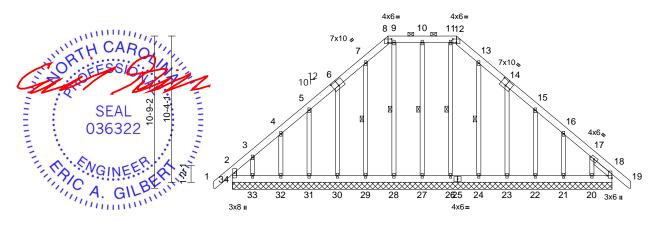
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent 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 of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	D01E	Piggyback Base Supported Gable	1	1	Job Reference (optional)	169222867

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:50 ID:v6hh64O11WxbWU?6B8_4Pszbzel-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:74.2

26-10-0

Plate Offsets (Plate Offsets (X, Y): [6:0-5-0,0-4-8], [8:0-3-0,0-3-0], [12:0-3-0,0-3-0], [14:0-5-0,0-4-8], [18:Edge,0-3-13]									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Plate Grip DOL1Lumber DOL1Rep Stress IncrY	-0-0 15 15 ES RC2015/TPI2014	TC 0.20 Vert(LL) n/a - n BC 0.05 Vert(CT) n/a - n	defi L/d PLATES GRIP n/a 999 MT20 244/190 n/a 999 n/a n/a Weight: 266 lb FT = 20%					
LUMBER TOP CHORD BOT CHORD WEBS OTHERS SLIDER BRACING TOP CHORD	No.3 Right 2x4 SP No.3 - Structural wood she	5,21-16,20-17:2x4 SP - 1-8-12 eathing directly applied o	FORCES TOP CHORD	21=178 (LC 20), 22=172 (LC 20), Vasd=1 23=178 (LC 20), 24=172 (LC 20), II; Exp I 26=174 (LC 21), 27=163 (LC 23), and C- 28=174 (LC 22), 29=171 (LC 19), to 11-0- 30=179 (LC 19), 31=172 (LC 19), to 15-10 32=176 (LC 20), 35=225 (LC 19) expose 34=248 (LC 20), 35=225 (LC 19) expose (lb) - Maximum Compression/Maximum DOL=1.	ASCE 7-10; Vult=130mph (3-second gust) 103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. B; Enclosed; MWFRS (envelope) exterior zone C Corner (3) -1-3-3 to 1-8-13, Exterior (2) 1-8-13 -0, Corner (3) 11-0-0 to 18-10-0, Exterior (2) 14-0-0 0-0, Corner (3) 15-10-0 to 18-10-0, Exterior (2) 0 to 28-1-3 zone; end vertical left and right d;C-C for members and forces & MWFRS for ns shown; Lumber DOL=1.60 plate grip .60 lesigned for wind loads in the plane of the truss					
BOT CHORD WEBS	2-0-0 oc purlins (6-0Rigid ceiling directly bracing.1 Row at midpt	ccept end verticals, and -0 max.): 8-12. v applied or 10-0-0 oc 10-27, 9-28, 7-29, 11-20 13-24		3-4=-120/126, 4-5=-108/109, 5-7=-186/229, only. F 7-8=-223/273, 8-9=-195/245, 9-10=-195/245, see Sta 10-11=-195/245, 11-12=-195/245, or cons 12-13=-223/273, 13-15=-186/228, building 15-16=-115/120, 16-17=-132/137, verifying	or studs exposed to wind (normal to the face), andard Industry Gable End Details as applicable, sult qualified building designer as per ANSI/TPI 1. g Designer/Project engineer responsible for g Rain Load = 5.0 (psf) covers rain loading					
	21=26-10 23=26-10 26=26-10 30=26-10 32=26-10 32=26-10 34=26-10 34=26-10 34=26-10 Max Uplift 18=-112 21=-91 (L 23=-108 26=-2 (LC 29=-51 (L 31=-94 (L	(LC 9), 20=-164 (LC 13), LC 13), 22=-93 (LC 13), (LC 13), 24=-52 (LC 13), C 8), 27=-42 (LC 8), LC 12), 30=-108 (LC 12), LC 12), 32=-84 (LC 12), (LC 12), 34=-122 (LC 8),	NOTES	33-34=-132/196, 32-33=-132/196, 5) Provide 31-32=-132/196, 30-31=-132/196, 6) All plate 29-30=-132/197, 28-29=-132/197, 7) Gable r 27-28=-132/197, 26-27=-132/197, 8) Gable s 24-26=-132/197, 23-24=-132/197, 9) This tru	ments specific to the use of this truss component. e adequate drainage to prevent water ponding. es are 2x4 () MT20 unless otherwise indicated. requires continuous bottom chord bearing. studs spaced at 2-0-0 oc. uss has been designed for a 10.0 psf bottom ive load nonconcurrent with any other live loads.					

October 30,2024

Page: 1

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. Paracing 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)

A MHe 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	D01E	Piggyback Base Supported Gable	1	1	Job Reference (optional)	169222867
84 Lumber-2383 (Dunn, NC), Du	nn, NC - 28334,	Run: 8.82 S Oct 10 2	024 Print: 8.8	320 S Oct 10	2024 MiTek Industries, Inc. Tue Oct 29 06:16:50	Page: 2

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84 Lumber-2383 (Dunn, NC), Dunn, NC - 28334,

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

11) All bearings are assumed to be SP No.2 .

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 34, 112 lb uplift at joint 18, 42 lb uplift at joint 27, 51 lb uplift at joint 29, 108 lb uplift at joint 30, 94 lb uplift at joint 31, 84 lb uplift at joint 32, 190 lb uplift at joint 33, 2 Ib uplift at joint 26, 52 lb uplift at joint 24, 108 lb uplift at joint 23, 93 lb uplift at joint 22, 91 lb uplift at joint 21, 164 Ib uplift at joint 20 and 112 lb uplift at joint 18.
- 13) 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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and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

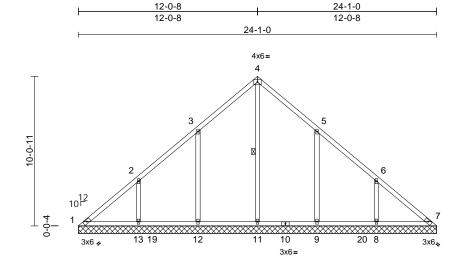


Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	DV1	Valley	1	1	Job Reference (optional)	169222868

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Done





Scale = 1:71.5

Loading

TCDL

NOTES

this design.

TCLL (roof)

BCLL BCDL		0.0* 10.0	Rep Stress Incr Code	YES	5/TPI2014
BCDL		10.0	CODE	IKC201	3/1912014
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD		o.2 o.2 *Excep wood shea	t* 13-2,8-6:2x4 SP N athing directly applied		Vasd=10 II; Exp B; and C-C 12-0-13, 15-0-13 t exposed;
BOT CHORD	Rigid ceili bracing.	ng directly	applied or 6-0-0 oc		reactions DOL=1.6
WEBS	1 Row at	midpt	4-11	3)	
REACTIONS	(size) Max Horiz Max Uplift Max Grav	9=24-1-0, 13=24-1-0 1=244 (LC 1=-122 (L1 9=-208 (L1 13=-197 (I 1=144 (LC (LC 20), 9 (LC 22), 1 (LC 19), 1	C 8), 8=-187 (LC 13) C 13), 12=-202 (LC 1 LC 12) C 11), 7=0 (LC 11), 8 =485 (LC 20), 11=65 2=491 (LC 19), 13=4 8=0 (LC 11)	-0, 4) , 12), 5) =411 6) 29 8)	verifying requirem All plates Gable rec Gable stu This truss chord live
FORCES	(lb) - Max Tension	imum Com	pression/Maximum	,	on the bo
TOP CHORD	1-2=-227/		143/344, 3-4=-147/3 6/247, 6-7=-143/248	,	3-06-00 t chord and
BOT CHORD	1-13=-157 11-12=-15 7-8=-157/	7/90, 12-13 57/90, 9-11 '90	=-157/90, =-157/90, 8-9=-157/9	90, ¹¹	 All bearin Provide n bearing p 1, 202 lb
WEBS		9/0, 3-12=-3 232, 6-8=-2	300/230, 2-13=-285/2 284/202	,	uplift at jo

1) Unbalanced roof live loads have been considered for

(psf)

20.0

10.0

Spacing

Plate Grip DOL

Lumber DOL

2-0-0

1.15

1.15

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-5 to 3-0-5, Exterior (2) 3-0-5 to 12-0-13, Corner (3) 12-0-13 to 15-0-13, Exterior (2) 15-0-13 to 24-1-5 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

24-1-0

0.24

0.16

0.21

DEFL

Vert(LL)

Vert(TL)

Horiz(TL)

in

n/a

n/a

0.00

(loc)

7

l/defl

n/a 999

n/a

n/a n/a

L/d

999

PLATES

Weight: 122 lb

MT20

GRIP

244/190

FT = 20%

- 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.
- Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component.
 All plates are 2x4 (||) MT20 unless otherwise indicated.
 Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

CSI

тс

BC

WB

Matrix-MS

-) 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, with BCDL = 10.0psf. 10) All bearings are assumed to be SP No.2. 11) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 122 lb uplift at joint 1, 202 lb uplift at joint 12, 197 lb uplift at joint 13, 208 lb uplift at joint 9 and 187 lb uplift at joint 8.

LOAD CASE(S) Standard



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TRENCO A Mi Tek Affiliate

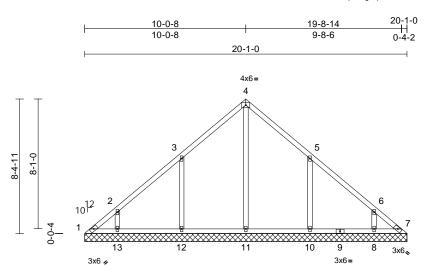
818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	DV2	Valley	1	1	Job Reference (optional)	169222869

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:50 ID:LWt5N1WMrh4Da3NYotEVIuzbziS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:65.1	Sca	le :	= 1:	65.	1
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20-1-0

		1			1		i					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	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.38	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC201	5/TPI2014	Matrix-MS							Weight: 96 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 *Excep Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=20-1-0 10=20-1-1 13=20-1-1 Max Horiz 1=202 (LC Max Uplift 1=-111 (L Max Grav 1=138 (LC (LC 1), 11 (LC 22), (LC 19), 7 (lb) - Maximum Com Tension	ot* 11-4:2x4 SP No.2 athing directly applied applied or 6-0-0 oc , 7=20-1-0, 8=20-1-0, 0, 11=20-1-0, 12=20- 0, 18=20-1-0 C 9) (LC 13), 11=-2 (LC 9) (LC 12), 13=-140 (LC C 11), 7=0 (LC 11), 8)=442 (LC 20), 11=55 (12=443 (LC 19), 13=2 (18=0 (LC 11) ppression/Maximum	3) d or 5) 6) 7) 1-0, 8) 9) , , 12) 282 10 282 11 270	Truss design only. For str see Standar or consult qu Building Des verifying Rai requirement All plates ard Gable requir Gable studs This truss ha chord live lo * This truss ha chord live lo the botto 3-06-00 tall chord and an) All bearings bearing platt 1, 2 lb uplift	hed for wind loads uds exposed to w d Industry Gable Jalified building du signer/Project eng s specific to the u e 2x4 () MT20 u es continuous bo spaced at 4-0-0 û as been designed ad nonconcurrent has been designed ad nonconcurrent has been designed m chord in all are- by 2-00-00 wide v ny other members are assumed to b chanical connectio e capable of withs at joint 11, 214 lb 13, 229 lb uplift a	ind (norm End Deta esigner a jineer res) covers r ise of this inless oth ttom chor oc. I for a 10. t with any d for a liv as where vill fit bett s, with BC oe SP No. on (by oth standing 1	al to the face ils as applica is per ANSI/TI ponsible for ain loading truss compore rwise indica d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the bott CDL = 10.0psf 2. ers) of truss t 11 lb uplift at point 12, 140 lb	.), ble, PI 1. nent. ted. uds. Opsf om f. to t joint b					FT = 20%
TOP CHORD	4-5=-233/277, 5-6=-	,	,									mmm	un.
BOT CHORD	1-13=-48/62, 12-13= 10-11=-42/53, 8-10=	=-42/53, 11-12=-42/53 =-42/53, 7-8=-42/53	3,									WITH CA	ROUT
WEBS	4-11=-334/81, 3-12=	,									A.	ONFESS	ashis -
	2-13=-238/173, 5-10)=-313/243, 6-8=-230	/161								in	. TLUG	Marc
NOTES											-	:0	K: 3
1) Unbalance	od roof live loade have	been considered for								-	8 19		

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-5 to 3-0-5, Exterior (2) 3-0-5 to 10-0-13, Corner (3) 10-0-13 to 13-0-13, Exterior (2) 13-0-13 to 20-1-5 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

and a second annun 036322 G١ Minimum October 30,2024

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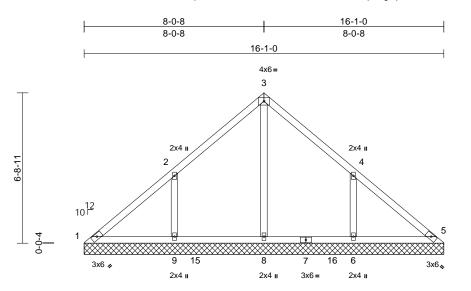
818 Soundside Road Edenton, NC 27932

SEAL

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	DV3	Valley	1	1	Job Reference (optional)	169222870

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:51 ID:pANdSI7fcYwv7?MDNR8mSwzbziz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



16-1-0

DEFL

in (loc)

l/defl

L/d

PLATES

GRIP

244/190

FT = 20%

Scale =	= 1:46.9

Loading

TCLL (roof)		20.0	Plate Grip DOL	1.15	•	тс	0.27	Vert(LL)	n/a	()	n/a	999	MT20
()						-		. ,		-			WI120
TCDL		10.0	Lumber DOL	1.15		BC	0.17	· · ·	n/a	-	n/a	999	
BCLL		0.0*	Rep Stress Incr	YES		WB	0.30	Horiz(TL)	0.00	5	n/a	n/a	
BCDL		10.0	Code	IRC	2015/TPI2014	Matrix-MS							Weight: 71 lb
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP N 2x4 SP N Structura 10-0-0 oc	o.2 o.3 *Exce I wood she	pt* 8-3:2x4 SP No.2 eathing directly applie y applied or 6-0-0 oc	ed or	 verifying Ra requirement Gable requi Gable studs This truss h chord live lo * This truss 	signer/Project er in Load = 5.0 (ps s specific to the res continuous b spaced at 4-0-0 as been designe ad nonconcurren has been designe	sf) covers use of this oottom cho) oc. ed for a 10. nt with any ned for a liv	rain loading truss compo rd bearing. 0 psf bottom other live loa ve load of 20.	ıds.				
REACTIONS	bracing. (size) Max Horiz Max Uplift	1=16-1-0 8=16-1-0 1=161 (L 1=-65 (L) 9=-220 (I 1=84 (LC (LC 20),	o, 5=16-1-0, 6=16-1-0 0, 9=16-1-0, 14=16-1- C 9) C 8), 6=-215 (LC 13),	0 =434	3-06-00 tall chord and a9) All bearings10) Provide mean bearing plat	chanical connect e capable of with lift at joint 9 and	will fit between with BC be SP No tion (by otherstanding for	ween the bott CDL = 10.0ps .2 . ners) of truss 55 lb uplift at	f. to				
FORCES	(lb) - Max Tension	,,	npression/Maximum										
TOP CHORD		,	-32/275, 3-4=-24/252	,									
BOT CHORD	1-9=-152 5-6=-152		152/81, 6-8=-152/81,										
WEBS	3-8=-426	/0, 2-9=-30	09/228, 4-6=-309/226										MILLIN
NOTES													TH CA
1) Unhalanc	ed roof live	loads have	been considered for									1	a

CSI

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

(psf)

Spacing

2-0-0

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-5 to 3-0-5, Exterior (2) 3-0-5 to 8-0-13, Corner (3) 8-0-13 to 11-0-13, Exterior (2) 11-0-13 to 16-1-5 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

SEAL 036322 October 30,2024

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TRENCISERING BY A MiTek Affiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	DV4	Valley	1	1	Job Reference (optional)	169222871

5-0-11

0-0-4

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:51 ID:ZRKDZg00knnBYcAUL2Tfb1zbzj6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

5

12-1-0

Scale = 1:40.5

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 IRC2015	5/TPI2014	CSI TC BC WB Matrix-MS	0.18 0.12 0.07	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 50 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=12-1-0, 7=12-1-0, Max Horiz 1=120 (LC Max Uplift 1=-39 (LC (LC 13), 8 Max Grav 1=94 (LC	C 9) S 8), 5=-9 (LC 9), 6=-1 B=-172 (LC 12)	8) 9) 68 ¹⁰ 326 -C	verifying Rai requirements Gable requir Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings) Provide mec bearing plate		sf) covers r use of this ottom chor) oc. d for a 10.0 nt with any ned for a liv eas where will fit betw rs. be SP No. ion (by oth nstanding 3	ain loading truss compo d bearing. 0 psf bottom other live loa e load of 20. a rectangle veen the bott 2. ers) of truss 19 lb uplift at	ads. Opsf om to joint					
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD		146/112, 3-4=-135/10	6,										
BOT CHORD	1-8=-34/79, 7-8=-34, 5-6=-34/76	/76, 6-7=-34/76,											
WEBS	3-7=-157/0, 2-8=-28	1/210, 4-6=-281/209											11111
NOTES 1) Unbalance this design	ed roof live loads have n.	been considered for									A.	NITH CA	ROIN

- Wind: ASCE 7-10; Vult=130mph (3-second gust)
 Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-5 to 3-0-5, Exterior (2) 3-0-5 to 6-0-13, Corner (3) 6-0-13 to 9-0-13, Exterior (2) 9-0-13 to 12-1-5 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

SEAL 036322 October 30,2024

Page: 1

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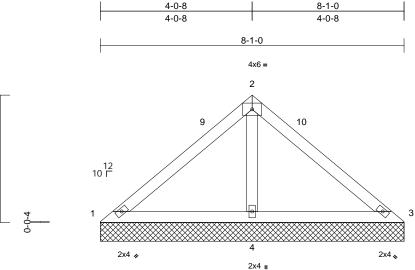


Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	DV5	Valley	1	1	Job Reference (optional)	169222872

3-4-11

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries. Inc. Tue Oct 29 06:16:51 ID:Sx2IqEssoo81Udg_4plcZHzbzjJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



8-1-0

Scale = 1:22.5

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 IRC201	5/TPI2014	CSI TC BC WB Matrix-MP	0.21 0.20 0.11	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 30 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 8-1-0 oc purlins. Rigid ceiling directly bracing. (size) 1=8-1-0, 3 Max Horiz 1=-79 (LC Max Uplift 1=-17 (LC Max Uplift 1=-17 (LC Max Grav 1=64 (LC (LC 1)	applied or 6-0-0 oc 3=8-1-0, 4=8-1-0 2 8) 2 24), 3=-17 (LC 23), C 12) 23), 3=64 (LC 24), 4	9) 10 LC	Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall t chord and ar All bearings)) Provide mec bearing plate	es continuous b spaced at 4-0-0 is been designe ad nonconcurre nas been design m chord in all ar by 2-00-00 wide y other membe are assumed to hanical connect e capable of with t at joint 3 and 1 Standard	D oc. ed for a 10.0 ent with any ned for a liv reas where e will fit betw ers. b be SP No. tion (by oth hstanding 1) psf bottom other live loa e load of 20. a rectangle veen the bott 2. ers) of truss 7 lb uplift at	ads. Opsf tom to					
TOP CHORD		100/236											

BOT CHORD 1-4=-215/145. 3-4=-215/145

2-4=-424/184

WEBS

NOTES

1) Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=130mph (3-second gust)

2) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-5 to 3-0-5, Interior (1) 3-0-5 to 4-0-13, Exterior (2) 4-0-13 to 7-3-15, Interior (1) 7-3-15 to 8-1-5 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component.

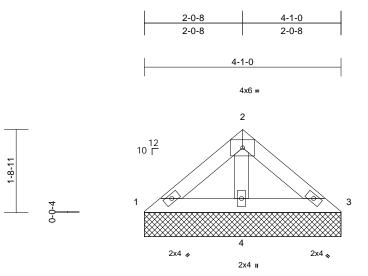


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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	DV6	Valley	1	1	Job Reference (optional)	169222873

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:51 ID:5zFQnWojzGWkOro0HG9RsEzbzjO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



4-1-0

Scale = 1:16.2	Scale	=	1:1	6.2
----------------	-------	---	-----	-----

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 YES IRC20	15/TPI2014	CSI TC BC WB Matrix-MP	0.04 0.05 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 14 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 4-1-0 oc purlins. Rigid ceiling directly bracing. (size) 1=4-1-0, 5 Max Horiz 1=-38 (LC Max Uplift 1=-5 (LC (LC 12) Max Grav 1=55 (LC (LC 1)	applied or 6-0-0 oc 3=4-1-0, 4=4-1-0 2 8) 12), 3=-13 (LC 13), 4	ed or 4=-47	 chord live lo * This truss on the botto 3-06-00 tall chord and a All bearings Provide met bearing plate 	as been design ad nonconcurr has been desig m chord in all a by 2-00-00 wid ny other memb are assumed t chanical conne- e capable of wi t joint 3 and 47 Standard	ent with any gned for a liv areas where e will fit betw bers. o be SP No. ction (by oth ithstanding 5	other live loa e load of 20. a rectangle veen the bott 2. ers) of truss lb uplift at jo	ads. .0psf tom to					
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD BOT CHORD	1-2=-48/67, 2-3=-51 1-4=-61/49, 3-4=-59												
WEBS	2-4=-131/43												

NOTES

 Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-10; Vult=130mph (3-second gust)

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4-0-0 oc.



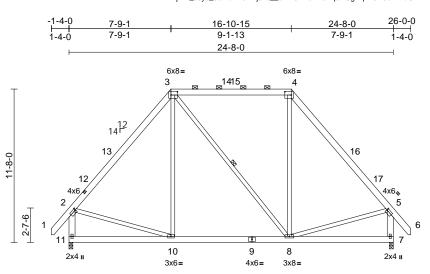


Page: 1



Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	E01	Piggyback Base	1	1	Job Reference (optional)	169222874

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries. Inc. Tue Oct 29 06:16:51 ID:jfxH_cJyJ_9okfdw1JABjJzc_o-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



	7-10-13	16-9-3	24-8-0	
Scale = 1:80.1	7-10-13	8-10-5	7-10-13	

Plate Offsets (X, Y): [2:0-0-8,0-1-12], [3:0-5-14,0-3-0], [4:0-5-14,0-3-0], [5:0-0-8,0-1-12]

16-10-15, Exterior (2) 16-10-15 to 21-1-13, Interior (1) 21-1-13 to 25-10-14 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip

DOL=1.60

	(7, 1). [2.0 0 0,0 1 12], [0:0 0 1 1,0 0 0], [1.0 0 1 1,0	0 0], [0:0 0 0,									-
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	5/TPI2014	CSI TC BC WB	0.56 0.34 0.17	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.11 0.01	(loc) 8-10 8-10 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code	IRC201	5/1912014	Matrix-MS	-						Weight: 230 lb	F1 = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	 2x6 SP No.2 2x4 SP No.2 *Excep Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 	athing directly applic cept end verticals, a -0 max.): 3-4.	5) ed or ind 6)	verifying Ra requirement Provide ade This truss h chord live lo * This truss on the botto 3-06-00 tall	signer/Project eng in Load = 5.0 (psf s specific to the u quate drainage to as been designed ad nonconcurrent has been designed m chord in all are by 2-00-00 wide w ny other members) covers r se of this prevent for a 10.0 with any d for a liv as where vill fit betw	ain loading truss compo water pondin) psf bottom other live loa e load of 20. a rectangle yeen the bott	g. ads. Opsf om					
WEBS REACTIONS	1 Row at midpt	.C 11) C 13), 11=-146 (LC		Provide med bearing plat 11 and 146 Graphical p	are assumed to b chanical connection e capable of withs lb uplift at joint 7. urlin representation ation of the purlin	on (by oth standing 1 on does no	ers) of truss 46 lb uplift a ot depict the s	t joint					
FORCES	(lb) - Maximum Com	pression/Maximum		bottom chor		along the							
TOP CHORD	Tension 1-2=0/67, 2-3=-909/2 4-5=-909/275, 5-6=0 5-7=-988/289			DAD CASE(S)	Standard								
BOT CHORD		0=-197/584,											
WEBS	3-10=-28/267, 3-8=- 2-10=-156/552, 5-8=	,	64,									TH CA	RO
this desig 2) Wind: AS Vasd=103 II; Exp B; and C-C I	ced roof live loads have n. CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; B4 Enclosed; MWFRS (er Exterior (2) -1-2-14 to 1 terior (2) 7-9-1 to 12-0-1	(3-second gust) CDL=3.0psf; h=25ft; velope) exterior zor -9-2, Interior (1) 1-9	; Cat. ne I-2 to							Wenning		SEA 0363	• -



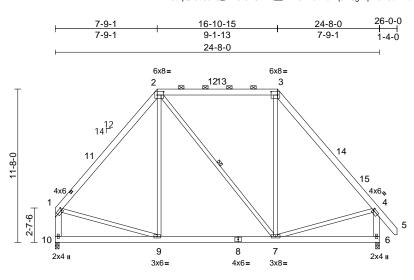
Page: 1

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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	E01A	Piggyback Base	4	1	Job Reference (optional)	169222875

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:51 ID:JuqQ20u30kC_V118rO1SfRzc_2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	7-10-13	16-9-3	24-8-0
Scale = 1:80.1	7-10-13	8-10-5	7-10-13

Plate Offsets (X, Y): [1:0-1-0,0-2-0], [2:0-5-14,0-3-0], [3:0-5-14,0-3-0], [4:0-0-8,0-1-12]	Plate Offsets (X, Y):	[1:0-1-0,0-2-0],	[2:0-5-14,0-3-0],	[3:0-5-14,0-3-0],	[4:0-0-8,0-1-12]
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- 1410 0110010 ((,,,), [e : e,e = e],	[2:0 0 : :;0 0 0];[0		o oj, [o o o,o	=]								
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)	-0.08	7-9	>999	240	MT20	244/190
TCDL BCLL	10.0 0.0*	Lumber DOL	1.15 YES		BC WB	0.34 0.17	Vert(CT) Horz(CT)	-0.11	7-9 6	>999	180		
BCLL BCDL		Rep Stress Incr		15/TPI2014		0.17		0.01	6	n/a	n/a	Waight: 226 lb	ET - 20%
BCDL	10.0	Code	IRC20	15/1912014	Matrix-MS							Weight: 226 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS		•t* 10-1 6-4·2γ6 SP	5	 This truss had chord live load 	quate drainage to is been designed ad nonconcurrent has been designe	for a 10. with any	0 psf bottom other live loa	ads.					
BRACING	214 OF NU.2 EXCEP	10-1,0-4.2X0 SF	NU.2 C		n chord in all area			opoi					
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0	cept end verticals, a 0-0 max.): 2-3.	and 7	chord and ar) All bearings	by 2-00-00 wide w by other members are assumed to b hanical connectio	s, with BC e SP No.	DL = 10.0ps 2 .	f.					
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	c c	bearing plate	capable of withs								
WEBS	1 Row at midpt	2-7	·		b uplift at joint 6. rlin representation	n door n	at donict the	sizo					
REACTIONS	(size) 6=0-3-8, Max Horiz 10=-341 (Max Uplift 6=-144 (L Max Grav 6=1059 (I	LC 8) C 13), 10=-117 (LC	12)		ation of the purlin			SIZE					
FORCES	(lb) - Maximum Corr Tension	pression/Maximum	,										
TOP CHORD													
BOT CHORD													
WEBS	2-9=-1/265, 2-7=-14 1-9=-145/514, 4-7=-	5/141, 3-7=-51/266											
NOTES												WHU CA	Della
,	ed roof live loads have	been considered for	or								15	ATT	TOL
Vasd=103 II; Exp B; and C-C E to 7-9-1, E to 16-10-1 21-1-13 to exposed; reactions : DOL=1.60	CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; B Enclosed; MWFRS (er Exterior (2) 0-2-12 to 3- Exterior (2) 7-9-1 to 12- 15, Exterior (2) 16-10-1 0 25-10-14 zone; end v C-C for members and f shown; Lumber DOL= 0	CDL=3.0psf; h=25ft hvelope) exterior zor .2-12, Interior (1) 3-2 .0-0, Interior (1) 12-1 5 to 21-1-13, Interior ertical left and right orces & MWFRS for 1.60 plate grip	ne 2-12 0-0 pr (1)									SEA 0363	• -
verifying F	Designer/Project engine Rain Load = 5.0 (psf) c ents specific to the use	overs rain loading	nent.								11	(IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1LBF



October 30,2024

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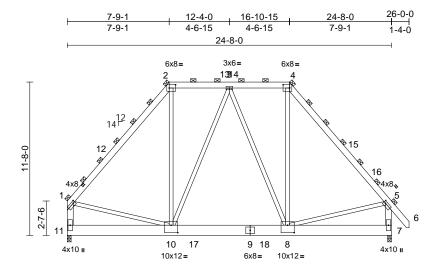
Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	E01AG	Piggyback Base	1	2	Job Reference (optional)	169222876

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:51 ID:N7tD2D6nTSpoVOyMiOqvjWzbzyU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

October 30,2024

818 Soundside Road Edenton, NC 27932



	7-10-13	16-9-3	24-8-0
Scale = 1:80.1	7-10-13	8-10-5	7-10-13

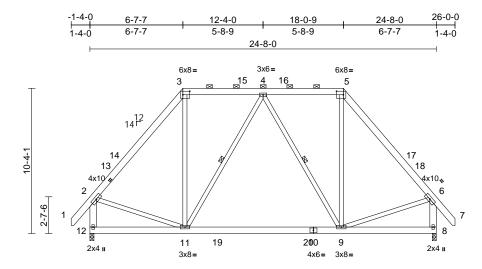
Plate Offsets (X, Y)): [1:0-1-12,0-1-12], [2:0-5	5-14,0-3-0], [4:0-5-14,0-3-0], [5	5:0-1-12,0-1-12], [8:0-6-0,0-6-	12], [10:0-6-0,0-6-12]
----------------------	------------------------------	-----------------------------------	---------------------------------	------------------------

			-					-					-			
Loading	(psf)	Spacing	5-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP			
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.64	Vert(LL)	-0.04	8-10	>999	240	MT20	244/190			
TCDL	10.0	Lumber DOL	1.15		BC	0.17	Vert(CT)	-0.08	8-10	>999	180					
BCLL	0.0*	Rep Stress Incr	NO		WB	0.25	Horz(CT)	0.01	7	n/a	n/a					
BCDL	10.0	Code	IRC20	15/TPI2014	Matrix-MS							Weight: 551 lb	FT = 20%			
												-				
LUMBER			:	,	roof live loads hav	e been	considered fo	r								
TOP CHORE	D 2x6 SP No.2			this design.												
BOT CHORE					7-10; Vult=130mp			_								
WEBS	2x4 SP No.2 *Excep	ot* 11-1,7-5:2x6 SP N	No.2		ph; TCDL=6.0psf;											
BRACING					nclosed; MWFRS (
TOP CHORE	D 2-0-0 oc purlins (6-0))-0 max.), except en	ıd		terior (2) 0-2-12 to		. ,									
	verticals				terior (2) 7-9-1 to 1 , Exterior (2) 16-10											
	(Switched from shee				5-10-14 zone; end		,	n (1)								
BOT CHORE	0 0 7	applied or 10-0-0 or	C		C for members and			-								
	bracing.				own; Lumber DOL											
REACTIONS				DOL=1.60			ato grip									
	Max Horiz 11=-839 (· · ·		5) Buildina De	signer/Project engi	neer res	ponsible for									
	Max Uplift 7=-754 (L				in Load = 5.0 (psf)											
	Max Grav 7=4161 (I	1)	requirements specific to the use of this truss component.													
FORCES	(lb) - Maximum Corr		 Provide ade 	quate drainage to	prevent	water ponding	g.									
	Tension			as been designed f												
TOP CHORE					ad nonconcurrent											
	3-4=-2006/935, 4-5=	,	167,		has been designed			Opsf								
	1-11=-3335/860, 5-7			on the bottom chord in all areas where a rectangle												
BOT CHORE	, -	-10=-626/2265,		3-06-00 tall by 2-00-00 wide will fit between the bottom												
WEDO	7-8=-461/768 2-10=-459/1714, 4-8	440/4740		chord and any other members, with BCDL = 10.0psf.												
WEBS	2-10=-459/1714, 4-8			9) All bearings are assumed to be SP No.2.							ATTITITITI					
	3-10=-484/476, 3-8=	,		10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 685 lb uplift at joint						TH CARO						
NOTES	5-10404/470, 5-0-	437/402			lb uplift at joint 7.	anding e	an upint ai	joint			1	2				
NOTES	ss to be connected toge	thar with 10d		OAD CASE(S)							E.	OPTH CA	Bi Vin			
	3") nails as follows:				of Live (balanced):	Lumbo	Incrosco 1	15			71	<u> </u>	Na JA			
	rds connected as follows.	2 2 x 6 - 2 rows		Plate Incre		Lumber	increase=1.	15,				:0				
	ed at 0-9-0 oc.	5. 270 - 2 10/03		Uniform Lo						-		OF A	6 1 E			
00	chords connected as foll	ows: 2x10 - 2 rows			2=-150, 2-4=-150, 4	1-5150	5-6150					SEA				
	ed at 0-9-0 oc.				75 (F=-125)	+ 0= 100	, 0 0= 100,					0363	22 : =			
	nected as follows: 2x4 -	- 1 row at 0-9-0 oc.		,	10 (1 = 120)					-			- : :			
2) All loads	are considered equally	applied to all plies,									-	N	1 2			
except if	noted as front (F) or ba	ck (B) face in the LC	DAD								-	Nº EN.	Rik S			
) section. Ply to ply conr										21	S, GINI	A S			
	to distribute only loads									1	C .	BEIN				
unless of	therwise indicated.											A. G	ILLIN			
													1111.			
												October	30 2024			

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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	E02	Piggyback Base	3	1	Job Reference (optional)	169222877

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:52 ID:r88m1sL5NpLjt0eYIFOzJYzc_Bg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



				6-9-3	17	-10-13			24-8-0				
Scale = 1:74.8			1	6-9-3	1 1	1-1-10		1	6-9-3	I			
	(X, Y): [3:0-5-14,0-3-0], [5:0-5-14,0-3-0]											
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	0.24 0.55 0.15	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.17 -0.26 0.01	(loc) 9-11 9-11 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code	IRC201	5/TPI2014	Matrix-MS							Weight: 232 lb	FT = 20%
BCDL 10.0 Code IRC LUMBER TOP CHORD 2x6 SP No.2 BOT CHORD 2x6 SP No.2 BOT CHORD 2x6 SP No.2 *Except* 12-2,8-6:2x6 SP No.2 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 10-0-0 oc bracing. WEBS 1 Row at midpt 4-11, 4-9 REACTIONS (size) 8=0-3-8, 12=0-3-8 Max Horiz 12=323 (LC 11) Max Uplift Max Grav 8=1056 (LC 1), 12=-1042 (LC 12) Max Grav 8=1056 (LC 1), 12=-1056 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/67, 2-3=-915/265, 3-4=-510/270, 4-5=-510/270, 5-6=-915/265, 6-7=0/67, 2-12=-1012/283 6-8=-1012/283 BOT CHORD 11-12=-311/362, 9-11=-202/611, 8-9=-106/173 6-9=-102/73 6-9=-106/173				verifying Rain requirements Provide adec This truss ha chord live loa * This truss ha on the bottom 3-06-00 tall b chord and an All bearings a Provide mecl bearing plate 12 and 142 ll Graphical pu		covers r se of this prevent of for a 10.1 with any d for a liv is where ill fit betw, with BC e SP No. e SP No. n (by oth anding 1 n does no	ain loading truss compo- water pondin 0 psf bottom other live loa e load of 20. a rectangle ween the bott DL = 10.0ps 2. ers) of truss 42 lb uplift a bt depict the	ng. ads. Opsf tom sf. to to t joint					
WEBS		-259/195, 4-9=-259/1 129/568, 6-9=-132/56										"TH CA	ROUT
this design 2) Wind: ASC Vasd=103 II; Exp B; I and C-C E 6-7-7, Exte to 18-0-9, 22-3-8 to 2 exposed;C	CE 7-10; Vult=130mph imph; TCDL=6.0psf; Bi Enclosed; MWFRS (en Exterior (2) -1-2-14 to 1 erior (2) 6-7-7 to 10-10 Exterior (2) 18-0-9 to 2 25-10-14 zone; end ve C-C for members and fi shown; Lumber DOL= ²	(3-second gust) CDL=3.0psf; h=25ft; (velope) exterior zone -9-2, Interior (1) 1-9-2 -5, Interior (1) 10-10- 2:3-8, Interior (1) rtical left and right proces & MWFRS for	e 2 to							M. minner		SEA 0363	

October 30,2024

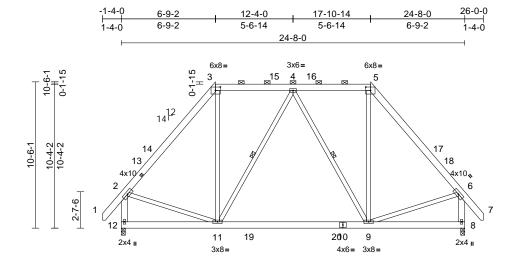
Page: 1

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TREACE AMITEK Atfilia 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	E03	Нір	1	1	Job Reference (optional)	169222878

Run: 8.82 S. Oct 10 2024 Print: 8.820 S. Oct 10 2024 MiTek Industries. Inc. Tue Oct 29 06:16:52 ID:vNBa12YpqXxXtOHncFAPNezc_A6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:75.4			 	<u>6-10-14</u> 6-10-14		<u>17-9-2</u> 10-10-			<u>24-8</u> 6-10-	-	—			
Plate Offsets (X, Y): [3:0-4-3,0-3-0],	[5:0-4-3,0-3-0]												
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	0.25 0.52	DEFL Vert(LL) Vert(CT)	in -0.15 -0.24	(loc) 9-11 9-11	l/defl >999 >999		PLATES MT20	GRIP 244/190	

0.14

Horz(CT)

0.01

8

n/a n/a

Weight: 233 lb

FT = 20%

2011	0.0		0	
BCDL	10.0	Code	IRC2015	/TPI2014
LUMBER TOP CHORD BOT CHORD	2x6 SP No.2 2x6 SP No.2		3)	Building verifying requirem
WEBS BRACING		* 12-2,8-6:2x6 SP No	0.2 4) 5)	Provide a This truss
TOP CHORD		athing directly applied cept end verticals, and -0 max.): 3-5.		chord live * This tru on the bo
BOT CHORD	Rigid ceiling directly bracing.		_`	3-06-00 t chord and
WEBS	1 Row at midpt		7) 8)	All bearin Provide r
REACTIONS	(size) 8=0-3-8, 1 Max Horiz 12=324 (L Max Uplift 8=-144 (LC Max Grav 8=1056 (L	C 11) C 13), 12=-144 (LC 12	/ <u>91</u>	bearing p 12 and 14 Graphica or the original
FORCES	(lb) - Maximum Com Tension	,. , ,		bottom cl
TOP CHORD	1-2=0/67, 2-3=-913/2 4-5=-514/271, 5-6=-9 2-12=-1009/284, 6-8	913/265, 6-7=0/67,	LU	AD CASE
BOT CHORD	11-12=-312/366, 9-1 8-9=-107/178			
WEBS		-252/193, 4-9=-252/19 129/564, 6-9=-133/56		

0.0*

Rep Stress Incr

YES

NOTES

BCLL

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-2-14 to 1-9-2, Interior (1) 1-9-2 to 6-9-2, Exterior (2) 6-9-2 to 11-0-1, Interior (1) 11-0-1 to 17-10-14, Exterior (2) 17-10-14 to 22-1-12, Interior (1) 22-1-12 to 25-10-14 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component. Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 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.2.

WB

Matrix-MS

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 12 and 144 lb uplift at joint 8.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

OAD CASE(S) Standard

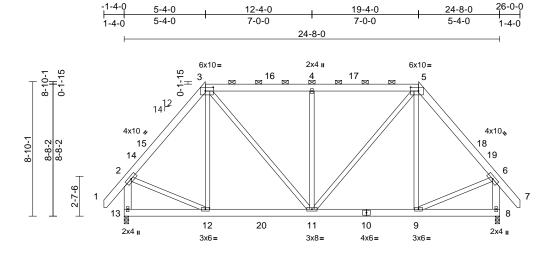


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Job		Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
240	4390-17999	E04	Нір	1	1	Job Reference (optional)	169222879

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:52 ID:5mt9vduNE8TZEhQ9F8h_VYzc_9g-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



			L 5	5-5-12	12-4-0		19-2-			24-8-0)	4	
Scale = 1:68.8			' 5	5-5-12	6-10-4		6-10-	-4	1	5-5-12	2	,	
Plate Offsets ((X, Y): [3:0-6-3,0-3-0],	[5:0-6-3,0-3-0]											
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	0.30 0.20	DEFL Vert(LL) Vert(CT)	-0.04		l/defl >999 >999	L/d 240 180	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC201	5/TPI2014	WB Matrix-MS	0.55	Horz(CT)	0.01	8	n/a	n/a	Weight: 230 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD WEBS NOTES	2x6 SP No.2 2x4 SP No.2 *Excep 12-2,9-6:2x4 SP No. Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 8=0-3-8, ' Max Horiz 13=280 (I Max Uplift 8=-136 (L Max Grav 8=1056 (I (Ib) - Maximum Com Tension 1-2=0/67, 2-3=-869/ 4-5=-750/296, 5-6=- 2-13=-1011/286, 6-6= 12-13=-255/291, 11: 9-11=-114/497, 8-9= 3-12=-69/124, 3-11=	athing directly applied cept end verticals, an -0 max.): 3-5. applied or 10-0-0 oc (3=0-3-8 .C 11) C 13), 13=-136 (LC 1 .C 1), 13=-136 (LC 1 pression/Maximum 258, 3-4=-750/296, 869/258, 6-7=0/67, i=-1011/286 12=-206/537,	3; o.2, 4; 5; d or 6; d 7; 8; (2) 9;) L /217,	 Building Desverifying Rairequirement Provide ade This truss hat chord live lo This truss lo This truss lo This truss lo This truss lo And bearings Provide mectore Bearing plate 13 and 136 Graphical put 	igner/Project engi n Load = 5.0 (psf) s specific to the us quate drainage to as been designed ad nonconcurrent nas been designee m chord in all area by 2-00-00 wide w ny other members are assumed to be chanical connectio e capable of withsi b uplift at joint 8. urlin representation ation of the purlin d.	covers i se of this prevent for a 10. with any d for a liv as where ill fit betv, , with BC e SP No n (by oth tanding ' n does n	ain loading truss compo- water pondin 0 psf bottom other live loa re load of 20. a rectangle ween the bott DL = 10.0 ps .2. ers) of truss 136 lb uplift a ot depict the	g. ads. Opsf tom if. to t joint				NITH CA	ROLLIN
 Unbalance this design Wind: ASK Vasd=103 II; Exp B; and C-C E 5-4-0, Ext 19-4-0, Ex 23-6-15 tc exposed;0 	CE 7-10; Vult=130mph Bmph; TCDL=6.0psf; Bi Enclosed; MWFRS (er Exterior (2) -1-2-14 to 1 terior (2) 5-4-0 to 9-6-13 xterior (2) 19-4-0 to 23- 0 25-10-14 zone; end v C-C for members and fi shown; Lumber DOL=	(3-second gust) CDL=3.0psf; h=25ft; (velope) exterior zone -9-2, Interior (1) 1-9-2 5, Interior (1) 9-6-15 t 6-15, Interior (1) ertical left and right proces & MWFRS for	e 2 to							2		SEA 0363	22 EER ALIU

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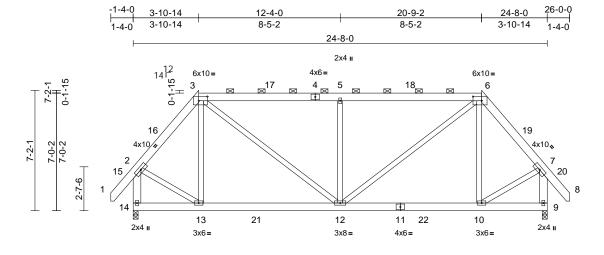
818 Soundside Road Edenton, NC 27932

October 30,2024

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	E05	Нір	1	1	Job Reference (optional)	169222880

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:52 ID:_cDN0EmYGFYLtlw?TFzsQjzc_8Y-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



			4-0-10	I.	12-4-0	I.		20-7-6		1	24-8-	0	
Scale = 1:62.1		F	4-0-10	I	8-3-6			8-3-6		I	4-0-1	0	
	(X, Y): [3:0-6-3,0-3-0],	[0:0 0 0 0 0 0]											
Plate Offsets	(X, Y): [3:0-6-3,0-3-0],	, [6:0-6-3,0-3-0]										-	
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.44	Vert(LL)		12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.27	Vert(CT)	-0.06	12-13	>999	180		210.000
BCLL	0.0*	Rep Stress Incr	YES		WB	0.42	Horz(CT)	0.01	0	n/a	n/a	1	
BCDL	10.0	Code		5/TPI2014	Matrix-MS	0.12	11012(01)	0.01	0	n/a	n/u	Weight: 215 lb	FT = 20%
2022		0000			induity into							Tronginii 210 ilo	2070
LUMBER			2)		E 7-10; Vult=130								
TOP CHORD	2x6 SP No.2				nph; TCDL=6.0p								
BOT CHORD	2x6 SP No.2				nclosed; MWFR								
WEBS	2x4 SP No.2 *Excep	ot* 14-2,9-7:2x6 SP	No.2,		terior (2) -1-2-14			9-2 to					
	13-2,10-7:2x4 SP N	0.3			terior (2) 3-10-1-								
BRACING)-9-2, Exterior (2								
TOP CHORD	Structural wood she	athing directly appli	ed or		o 25-10-14 zone								
	6-0-0 oc purlins, ex	cept end verticals, a	and		C for members a			or					
	2-0-0 oc purlins (6-0				nown; Lumber D	OL=1.60 pl	ate grip						
BOT CHORD				DOL=1.60									
	bracing.		3)		signer/Project er								
REACTIONS	U	14-0-3-8			in Load = 5.0 (p								
LACHONS	Max Horiz 14=237 (I				ts specific to the								
	Max Uplift 9=-163 (L		4)		equate drainage								
		<i>,,</i>	⁄ DI		as been designe								
	Max Grav 9=1056 (I		,		ad nonconcurre								
FORCES	(lb) - Maximum Com	npression/Maximum	6)		has been design			.0psf					
	Tension				om chord in all a								
TOP CHORD					by 2-00-00 wide								
	5-6=-969/313, 6-7=-	, ,			iny other membe			sf.					
	2-14=-1039/281, 7-9		7)		are assumed to								
BOT CHORD	,	,	8)		chanical connec								
	10-12=-120/492, 9-1				e capable of wit		63 lb uplift a	at joint					1111
WEBS	3-13=-153/113, 3-12	,			Ib uplift at joint §							White CA	Dalle
	5-12=-584/261, 6-12		9)		urlin representat			size				"ATH UT	TO !!!!
	6-10=-153/114, 2-13	3=-138/578,			tation of the purl	lin along the	e top and/or				N	ON JESO	a. Mil
	7-10=-140/578			bottom chor	d.					/	22	OFF	Pri sin
NOTES			LC	AD CASE(S	Standard					- 2	Ŵ		VAN
1) Unbalanc	ced roof live loads have	been considered for	or									SEA 0363	
this desig	jn.											SEA	1 : -
										=	:	JLA	
												0363	22 ; =
											2 B		1 2
											-	1. Contract (1. Contract)	1 2
												Nº En	Rik S
											25	S. GIN	EFRANS
											11	10	REN
											1	11, A. G	ILL, IN



GI GILLING October 30,2024

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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	E06	Нір	1	1	Job Reference (optional)	169222881

5-6-1

Scale = 1:55.7

Loading

TCDL

BCLL

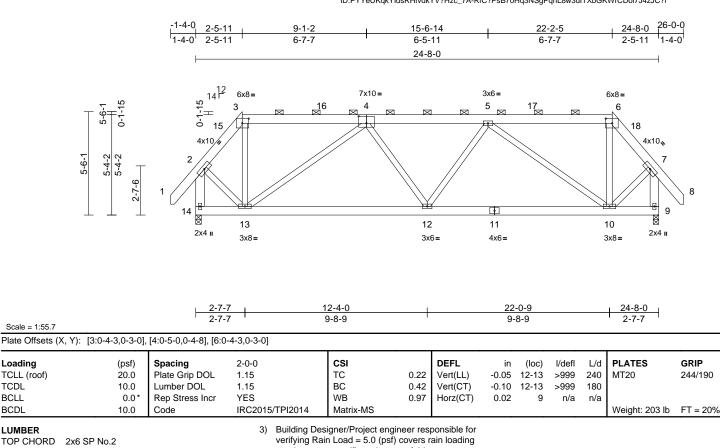
BCDL

LUMBER

TCLL (roof)

Run: 8.82 S. Oct 10 2024 Print: 8.820 S. Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:52 ID:PYYeUKqkYldsRHfvdkYV?Hzc_7A-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



BOT CHORD	2x6 SP No.2	2		requi
WEBS	2x4 SP No.3	3 *Except* 14-2,9-7:2x6 SP No.2,	4)	Provi
	4-13,5-10:2:		5)	This
BRACING				chord
TOP CHORD	Structural w	ood sheathing directly applied or	6)	* This
		rlins, except end verticals, and		on th
		rlins (6-0-0 max.): 3-6.		3-06-
BOT CHORD		g directly applied or 6-0-0 oc		chord
201 0110112	bracing.		7)	All be
REACTIONS	0	=0-3-8, 14=0-3-8	8)	Provi
REACTION	· /	4=194 (LC 11)		beari
		=-201 (LC 8), 14=-201 (LC 9)		14 ar
		=1056 (LC 1), 14=1056 (LC 1)	9)	Grap
500050				or the
FORCES	(ID) - Maxim Tension	num Compression/Maximum		botto
		0 740/040 0 5 4400/000	LO	AD C/
TOP CHORD		-3=-710/210, 3-5=-1198/309,		
		75, 6-7=-710/210, 7-8=0/67,		
BOT CHORD		/268, 7-9=-1081/268		
BUICHURD		/154, 12-13=-362/1132, /1132, 9-10=-47/44		
WEBS		19, 6-10=-64/319, 2-13=-138/633,		
WEDS		533, 4-12=0/244, 4-13=-855/283,		
		, 5-10=-855/282		
NOTEO	5-12=0/244	, 5-10055/202		
NOTES				

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-2-14 to 1-9-2, Interior (1) 1-9-2 to 2-5-11, Exterior (2) 2-5-11 to 6-8-10, Interior (1) 6-8-10 to 22-2-5, Exterior (2) 22-2-5 to 25-10-14 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- irements specific to the use of this truss component. ide adequate drainage to prevent water ponding. truss has been designed for a 10.0 psf bottom
- d live load nonconcurrent with any other live loads. is truss has been designed for a live load of 20.0psf he bottom chord in all areas where a rectangle -00 tall by 2-00-00 wide will fit between the bottom rd and any other members.
- earings are assumed to be SP No.2.
- vide mechanical connection (by others) of truss to ing plate capable of withstanding 201 lb uplift at joint nd 201 lb uplift at joint 9.
- phical purlin representation does not depict the size ne orientation of the purlin along the top and/or om chord.

ASE(S) Standard

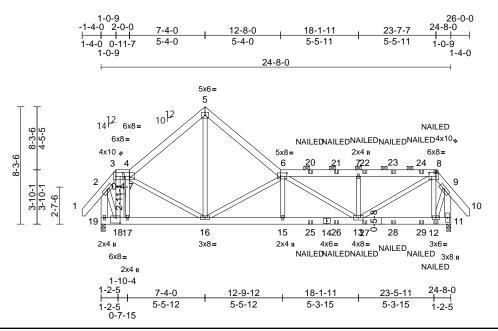


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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	E07G	Roof Special Girder	1	1	Job Reference (optional)	169222882

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:53 ID:NMPF0Kiz2w9sX5?iCoqrnzzc_4I-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:69.2

Plate Offsets (X, Y): [3:0-5-14,0-3-0], [6:0-5-4,0-2-12], [8:0-5-14,0-3-0], [18:0-3-8,0-4-8]

					1								
oading	(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	0.22	Vert(LL)	0.08	. ,	>999	240	MT20	244/190
ICDL	10.0	Lumber DOL	1.15		BC	0.41	Vert(CT)		13-15	>999	180		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.94	Horz(CT)	0.02	11	n/a	n/a	1	
BCDL	10.0	Code		5/TPI2014	Matrix-MS	0.04	11012(01)	0.02		n/a	Π/a	Weight: 222 lb	FT = 20%
-												- 5	
_UMBER			2)		7-10; Vult=130m								
FOP CHORD	2x6 SP No.2				oh; TCDL=6.0psf								
BOT CHORD	2x6 SP No.2				closed; MWFRS								
NEBS	2x4 SP No.3 *Except	t* 16-5:2x4 SP No.2	,		eft and right expo	osed; Lum	ber DOL=1.6	60					
	19-2,11-9:2x6 SP No	0.2		plate grip D									
BRACING			3)		igner/Project eng								
FOP CHORD	Structural wood shea	athing directly applie	ed or		n Load = 5.0 (psf								
	6-0-0 oc purlins, exc				s specific to the u								
	2-0-0 oc purlins (5-1				quate drainage to			j .					
BOT CHORD	Rigid ceiling directly		5)		as been designed								
	bracing.				ad nonconcurrent								
REACTIONS	size) 11=0-3-8,	19-0-3-8	6)		nas been designe)psf					
````	Max Horiz 19=264 (L				n chord in all are								
	Max Uplift 11=-624 (I	,	8)		oy 2-00-00 wide v		veen the botto	om					
	Max Grav 11=121 (	<i>,,</i>	Ć 1)		ny other members								
			· ()		are assumed to b								
ORCES	(lb) - Maximum Com	pression/Maximum	8)		hanical connection								
	Tension	000 0 4 007/457			e capable of with		79 lb uplift at	joint					
FOP CHORD	1-2=0/67, 2-3=-540/2				b uplift at joint 11								
	4-5=-897/366, 5-6=-9				Irlin representatio			size					
	7-8=-1449/754, 8-9=		ί,		ation of the purlin	along the	top and/or						
BOT CHORD	2-19=-1335/362, 9-1 18-19=-228/237, 17-			bottom chor									
SOLCHORD	,	,	10		dicates 3-10d (0.							minin	1111.
	16-17=-221/540, 15- 13-15=-666/1788, 12				") toe-nails per N							IN'L CA	Pall
	11-12=-45/62	2-13=-174/312,	11		CASE(S) section			ace			1	ORTH CA	10/11
WEBS	3-18=-122/185, 4-17	662/242			are noted as front	(F) or ba	ck (B).				1	OFFESS	a. All
WEBS			LC	DAD CASE(S)									N: XI
	4-16=-103/320, 5-16		(107 1)		of Live (balanced	): Lumber	Increase=1.7	15,		-	V	2	1211
	6-16=-1269/689, 6-1		/187,	Plate Incre	ase=1.15						2 13		
	7-13=-402/325, 8-13 8-12=-518/278, 2-18			Uniform Lo						-		SEA	L 🕴 🗄
	9-12=-364/705	=-200/921,			=-60, 2-3=-60, 3-	,	,	60,		- 8		0000	• –
	9-12=-304/703				8-9=-60, 9-10=-6	60, 11-19=	-20			1111		0363	22 :
NOTES				Concentrat	ed Loads (lb)					-	- 0		
<ol> <li>Unbalanced</li> </ol>	d roof live loads have	heen considered for	r	Vert 8=	48 (B), 25=3 (B),	26-3 (B)	27-3 (B) 28	-3			-	•	
this design.				(B), 29=		20-0 (D),	21 = 3 (D), 20	-0			-	NGINI	· · · ·

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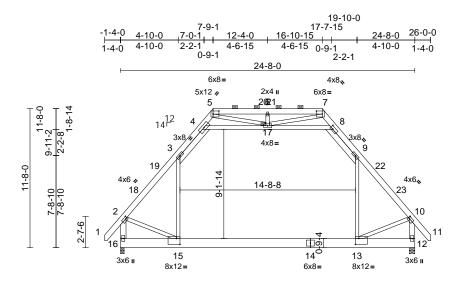
818 Soundside Road Edenton, NC 27932

GI HILLING GILLING October 30,2024

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	EAT1	Attic	6	1	I6: Job Reference (optional)	9222883

## Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:53 ID:LvdXufmrOxZ_xgr0HqgLt0zbzob-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	4-10-0	19-10-0	24-8-0	
• • • • • •	4-10-0	15-0-0	4-10-0	
Scale = 1:80.1				
Plate Offsets (X, Y): [2:0-1-4,0-2-0], [5:0-5-14,0-3-0], [7:0-5-14,0-3-0]	)], [8:0-2-10,0-2-8	8], [10:0-1-4,0-2-0], [13:0-3-8,0-6-0], [15:0-	3-8,0-6-0]	

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 IRC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.46 0.46 0.42	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	-0.38 0.01	(loc) 13-15 13-15 12 13-15	l/defl >999 >763 n/a >892	L/d 240 180 n/a 360	PLATES MT20 Weight: 276 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x6 SP No.2 *Excep 2x10 SP DSS 2x4 SP No.3 *Excep No.1, 16-2,12-10:2x6 Structural wood shea 6-0-0 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Brace at Jt(s): 17	t* 1-5,7-11:2x6 SP I t* 3-15,9-13,4-8:2x4 5 SP No.2 athing directly applie cept end verticals, a -0 max.): 5-7. applied or 10-0-0 or 16=0-3-8 LC 10)	2) DSS SP ed or nd C 3) (4) (5)	Wind: ASCE Vasd=103mj II; Exp B; En and C-C Ext 7-9-1, Exteri 16-10-15, E) 21-1-13 to 22 exposed;C-C reactions sh DOL=1.60 Building Des verifying Rai requirements Provide ader This truss ha	7-10; Vult=130m 7-10; Vult=130m bclosed; MWFRS erior (2) -1-2-14 t or (2) 7-9-1 to 12 terior (2) 16-10-15 5-10-14 zone; en c for members an pwn; Lumber DO igner/Project eng n Load = 5.0 (psf s specific to the u yuate drainage to s been designed d nonconcurrent	BCDL=3 (envelope o 1-9-2, li -0-0, Inter 5 to 21-1 d vertical d forces & L=1.60 pl jineer res ) covers r se of this prevent for a 10.0	ond gust) .0psf; h=25ft ) exterior zon terior (1) 1-9 ior (1) 12-0-0 .13, Interior ( left and right & MWFRS for ate grip ponsible for ain loading truss compoli- vater ponding ) psf bottom	; Cat. ne 2 to ) to 1) r nent. g.					
FORCES	(lb) - Maximum Com Tension 1-2=0/67, 2-3=-1693 4-5=-278/383, 5-6=- 7-8=-278/383, 8-9=- 10-11=0/67, 2-16=-1	6/0, 3-4=-972/169, 543/600, 6-7=-543/6 972/169, 9-10=-1693	3/0, 7)	on the bottor 3-06-00 tall t chord and ar Ceiling dead	has been designe n chord in all are by 2-00-00 wide v ly other members load (5.0 psf) on ead load (10.0ps	as where vill fit betv s. member	a rectangle veen the botto s). 3-4, 8-9, 4	om 4-17,					
BOT CHORD	15-16=-320/423, 13- 12-13=-60/164 3-15=-13/951, 9-13= 4-17=-1599/168, 8-1 2-15=-61/1041, 10-1 6-17=-262/112, 5-17 7-17=-312/632	15=-3/1029, -12/951, 7=-1599/167, 3=-63/1042,	8) 9) 10	Bottom chord chord dead I All bearings ) Graphical pu or the orienta bottom chord	d live load (40.0 p bad (5.0 psf) app are assumed to b rlin representatio ation of the purlin	osf) and a lied only to be SP No. on does no along the	dditional both o room. 13-1 2 . of depict the s top and/or	om 5		4	E. I.	OR FESS	ROUNT
NOTES 1) Unbalance this design	ed roof live loads have	been considered for	L	DAD CASE(S)		Genecuon				THE DAY		SEA 0363	• -

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G 11111111 October 30,2024

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	EAT1E	Attic Supported Gable	1	1	Job Reference (optional)	169222884

Scale = 1:80.1

## Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:53 ID:MXn5IX?qNHPWALedFFWG?Wzbzn?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

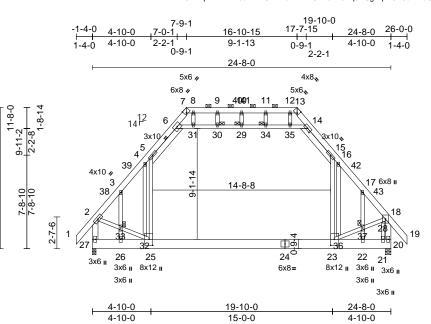


Plate Offsets (X, Y): [7:0-1-13,Edge], [13:0-1-13,Edge], [1	[14:0-4-2,0-1-12], [23:0-6-0,0-3-8], [25:0-6-0,0-3-8]
-------------------------------------------------------------	-------------------------------------------------------

11-8-0

		1											-
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.89	Vert(LL)		23-25	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.44	Vert(CT)	-0.37		>796	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.78	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code		5/TPI2014	Matrix-MS		Attic		23-25	>960	360	Weight: 301 lb	FT = 20%
												Ű	
LUMBER			W		2-33=-36/1042, 32								a live load of 20.0psf
TOP CHORD	2x6 SP No.2				25-32=-90/1174, 5							rd in all areas wh	
BOT CHORD	2x10 SP DSS				15-23=-81/1089, 2								between the bottom
WEBS		ot* 27-2,20-18:2x6 SP			36-37=-38/1098, 2							er members.	
	No.2, 25-2,23-18:2x4				18-28=-41/1036, 6								ber(s). 5-6, 14-15,
OTHERS		ot* 32-4,36-16:2x4 SP			30-31=-1257/53, 2								4-35; Wall dead load
	No.2				29-34=-1257/53, 3 14-35=-1258/53, 2			77				ber(s).5-25, 15-23	additional bottom
BRACING					9-30=-71/42, 8-31				,			· · · ·	nly to room. 23-25
TOP CHORD		athing directly applied			3-33=-550/78, 26-							ssumed to be SP	
		cept end verticals, an	d		12-35=-56/201, 16			1/42,					is not depict the size
	2-0-0 oc purlins (6-0				17-37=-550/78, 22							of the purlin along	
BOT CHORD		applied or 10-0-0 oc	N	OTES						tom cho			g the top ana/or
	bracing.				roof live loads have	va haan	oonoidorod fo	-				d for L/360 deflec	tion
JOINTS	1 Brace at Jt(s): 29, 30, 33, 34, 37		1)	this design.	TOOL INE IDAUS HA	ve been		1	'	CASE(S			
REACTIONS	(size) 20=0-5-8,	27 0 2 9	2)		7-10; Vult=130m	ph (3-sec	cond aust)				, 0.0		
	Max Horiz 27=-355 (		_,		ph; TCDL=6.0psf;			: Cat.					
	Max Grav 20=1675		2)		closed; MWFRS (								
			Z)		erior (2) -1-4-0 to								
FORCES	(lb) - Maximum Com	ipression/iviaximum		7-9-1, Exteri	or (2) 7-9-1 to 12-	0-0, Inter	ior (1) 12-0-0	to					
TOP CHORD	Tension 2-27=-1512/0, 1-2=0	1/71 2 2- 1/57/0			kterior (2) 16-10-1			1)					
TOF CHORD	,	613/67, 5-6=-964/166			6-0-0 zone; end v								
	,	333/363, 8-9=-333/36	,		C for members and			r				mun	1111
	9-10=-333/363, 10-1		,		own; Lumber DOL	.=1.60 pl	ate grip				-	WH CA	ROUL
	11-12=-333/363, 12-			DOL=1.60							1	2	
	13-14=-556/286, 14-	,	3)		ned for wind loads						E.	O' FESO	Bi Vi
	15-16=-1613/67, 16-				uds exposed to wi						91		1 Sill
	17-18=-1457/0, 18-1	9=0/71, 18-20=-1486	6/0		d Industry Gable E Jalified building de							:0	
BOT CHORD	26-27=-334/388, 25-	-26=-334/388,	4)		signer/Project engi			-11.		-		054	r 1 E
	23-25=-1/1020, 22-2	23=-33/126,	4)		in Load = 5.0 (psf)					-		SEA	4 <u>8 8</u>
	21-22=-33/126, 20-2	21=-33/126			s specific to the us			nent				0363	22 : =
			5)		quate drainage to								- : :
			6)		e 2x4 (  ) MT20 ur						2	N.	1 2
			- /		fully sheathed from						2.	N. En	Rik S
			• • •		nst lateral moveme						25	S, GIN	EFRAN
			8)		spaced at 2-0-0 d		<b>J</b>				11	SEA 0363	ILBE IN

braced against lateral movement (i.e. diagonal web). 8) Gable studs spaced at 2-0-0 oc.

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



A. GILB

A. GILD

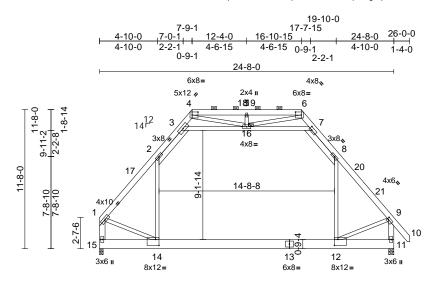
October 30,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent 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 of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	EAT2	Attic	5	1	Job Reference (optional)	169222885

## Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:54 ID:KZ_O2bkXPqr2EcrhoUfPw4zbzpw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	4-10-0	19-10-0	24-8-0	
	4-10-0	15-0-0	4-10-0	
Scale = 1:80.1				
Plate Offsets (X, Y): [4:0-5-14,0-3-0], [6:0-5-14,0-3-0], [7:0-2-10,0-	-2-8], [9:0-1-4,0-2-0	), [12:0-3-8,0-6-0], [14:0-3-8,0-6-0]		

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.26	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.38	12-14	>759	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.20	12-14	>891	360	Weight: 272 lb	FT = 20%

BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS	Attic -0.2	0 12-14	>891	360	Weight: 272 lb	FT = 20%	
FORCES TOP CHORD BOT CHORD WEBS NOTES	2x10 SP DSS 2x4 SP No.3 *Excep No.1, 15-1,11-9:2x6 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): 16 (size) 11=0-5-4, Max Horiz 15=-336 ( Max Grav 11=1673 d (lb) - Maximum Com Tension 1-2=-1681/0, 2-3=-9 4-5=-536/612, 5-6=- 7-8=-974/167, 8-9=- 1-15=-1803/0, 9-11= 14-15=-305/388, 12- 11-12=-60/164 2-14=-18/932, 8-12= 3-16=-1617/169, 7-1 1-14=-53/1046, 9-12 5-16=-263/112, 4-16 6-16=-310/627	athing directly applied cept end verticals, an -0 max.): 4-6. applied or 10-0-0 oc 15=0-3-8 LC 10) (LC 2), 15=1595 (LC 1 pression/Maximum 75/169, 3-4=-267/393 536/612, 6-7=-275/38 1699/0, 9-10=0/67, 186/8 -14=-2/1033, 11/955, 6=-1608/164, 2=-61/1048, =-312/633,	SS Vasd=103m II; Exp B; Er and C-C Ext to 7-9-1, Ext to 16-10-15, d or 21-1-13 to 2 exposed;C-C reactions sh DOL=1.60 3) Building Des verifying Rai requirement 4) Provide ade 5) This truss ha chord live lo 6) * This truss ha chord live lo 6) * This truss ha chord live lo 6) * This truss ha chord and ai 39, chord and ai 7) Ceiling deac 7)	necked for L/360 deflection	8.0psf; h=25ft; Cat. e) exterior zone Interior (1) 3-2-12 iterior (1) 12-0-0 1-1-13, Interior (1) left and right & MWFRS for late grip ponsible for rain loading truss component. water ponding. 0 psf bottom other live loads. re load of 20.0psf a rectangle ween the bottom (s). 2-3, 7-8, 3-16, mber(s).2-14, 8-12 idditional bottom to room. 12-14 .2. ot depict the size e top and/or				SEA 0363	•	and an and a second second



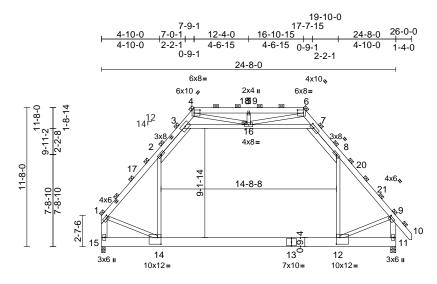


A. GILP.... October 30,2024

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	EAT2G	Attic	2	2	Job Reference (optional)	169222886

## Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:54 ID:wbYqvyS9Zf_j1YfeeOfskKzbzjq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	4-10-0	19-10-0	24-8-0	
	4-10-0	15-0-0	4-10-0	
Scale = 1:80.1				
Plate Offsets (X, Y): [1:0-1-4,0-2-0], [4:0-5-14,0-3-0], [6:0-5-14,0-	3-0], [7:0-3-14,0-2-4	4], [9:0-1-0,0-1-12], [12:0-3-8,0-6-12], [1	4:0-3-8,0-6-12]	

Loading TCLL (roof) TCDL BCLL	(psf) 20.0 10.0 0.0*	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	5-0-0 1.15 1.15 NO		CSI TC BC WB	0.68 0.64 0.55	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)		(loc) 12-14 12-14 11	l/defl >890 >608 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	10.0	Code		5/TPI2014	Matrix-MS	0.00	Attic		12-14		360	Weight: 544 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x6 SP No.2 *Excep 2x10 SP DSS 2x4 SP No.3 *Excep No.1, 15-1,11-9:2x6 2-0-0 oc purlins (6-0 verticals (Switched from shee	t* 2-14,8-12,3-7:2x4 SP No.2 -0 max.), except en	DSS 3) SP 3) d 4)	except if not CASE(S) se provided to o unless other Unbalanced this design. Wind: ASCE	considered equa ed as front (F) or titon. Ply to ply cr tistribute only loa wise indicated. roof live loads ha 7-10; Vult=130m ob; TCDL=6.0psf	back (B) onnection ds noted ive been o oph (3-sec	ace in the LC s have been as (F) or (B), considered fo cond gust)	or					
BOT CHORD	Rigid ceiling directly bracing.				closed; MWFRS erior (2) 0-2-12 to								
JOINTS	1 Brace at Jt(s): 1, 4, 6, 9, 16				erior (2) 7-9-1 to Exterior (2) 16-10								
	(size) 11=0-5-4, Max Horiz 15=-839 (1 Max Grav 11=4182 (	LC 8)	2)	exposed;C-0	5-10-14 zone; en c for members an own; Lumber DO	d forces a	& MWFRS fo						
FORCES	(lb) - Maximum Com Tension		5)	Building Des	igner/Project eng								
TOP CHORD	1-2=-4203/0, 2-3=-24 4-5=-1340/1530, 5-6 6-7=-688/973, 7-8=-2 9-10=0/167, 1-15=-4	i=-1340/1530, 2434/418, 8-9=-424	6) 8/0, 7)	requirements Provide ade This truss ha	n Load = 5.0 (psf s specific to the u quate drainage to is been designed ad nonconcurrent	se of this prevent for a 10.0	truss compo water ponding ) psf bottom	g.					
BOT CHORD	14-15=-762/971, 12- 11-12=-151/410	,		* This truss I	nas been designe n chord in all area	ed for a liv	e load of 20.0				1	WH CA	Ro
WEBS	2-14=-45/2329, 8-12 3-16=-4042/422, 7-1 1-14=-132/2614, 9-1 5-16=-657/281, 4-16 6-16=-775/1567	6=-4020/410, 2=-153/2621,	,	3-06-00 tall I chord and an Ceiling dead 7-16; Wall d ) Bottom chore	by 2-00-00 wide v by other members load (5.0 psf) on ead load (10.0ps d live load (40.0 p	vill fit betv s. member f) on men osf) and a	veen the bott s). 2-3, 7-8, 3 ber(s).2-14, dditional bott	3-16, 8-12 om		2	× U	ORIEESS	And the second s
(0.131"x3" Top chords staggered Bottom cho	to be connected toget ) nails as follows: s connected as follows at 0-9-0 oc. ords connected as follo at 0-9-0 oc.	s: 2x6 - 2 rows	12	) All bearings	oad (5.0 psf) app are assumed to b necked for L/360 Standard	e SP No.	2.	4		11111			• • • •

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

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818 Soundside Road Edenton, NC 27932

GILB

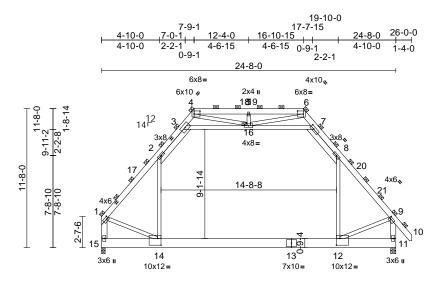
October 30,2024

A. GILDIN

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	EAT3G	Attic	1	2	Job Reference (optional)	169222887

## Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:54 ID:RdXTgj2jNpCvR58nb48aFZzbzs6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	4-10-0	19-10-0	24-8-0	
0	4-10-0	15-0-0	4-10-0	
Scale = 1:80.1				
Plate Offsets (X, Y): [1:0-1-4,0-2-0], [4:0-5-14,0-3-0], [6:0-5-14,0-3	-0], [7:0-3-14,0-2-4]	], [9:0-1-0,0-1-12], [12:0-3-8,0-6-12], [1	4:0-3-8,0-6-12]	

	,, ,, ,, [, ,, ,, <u>,</u> , ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,			0], [110 0 1 1,0		],[	1 0 0 0,0 0 12	, [ · · · · · ·		-1			
Loading	(psf)	Spacing	5-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.68	Vert(LL)	-0.33	12-14	>890	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.64	Vert(CT)	-0.48	12-14	>608	180		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.55	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IRC201	5/TPI2014	Matrix-MS		Attic	-0.25	12-14	>713	360	Weight: 544 lb	FT = 20%
LUMBER			2)		considered equal								
TOP CHORD		t* 1-4,6-10:2x6 SP E	DSS		ed as front (F) or b			JAD					
BOT CHORD	2x10 SP DSS	** • • • • • • • • • • • •	0.5		ction. Ply to ply co distribute only load								
WEBS	2x4 SP No.3 *Excep		SP		wise indicated.	is noted	as (F) 01 (B),						
	No.1, 15-1,11-9:2x6	SP N0.2	3)		roof live loads hav	/e been	considered fo	r					
BRACING	2.0.0.00 murling (C.0		- /	this design.		0 00011							
TOP CHORD	2-0-0 oc purlins (6-0 verticals	-0 max.), except en	a 4)		7-10; Vult=130mp	oh (3-se	cond gust)						
	(Switched from shee	ted: Spacing > 2-0-(	, רו		oh; TCDL=6.0psf;			Cat.					
BOT CHORD	Rigid ceiling directly			II; Exp B; En	closed; MWFRS (	envelop	e) exterior zor	ne					
201 0110112	bracing.				erior (2) 0-2-12 to								
JOINTS	1 Brace at Jt(s): 1,				erior (2) 7-9-1 to 1								
	4, 6, 9, 16				Exterior (2) 16-10			or (1)					
REACTIONS	(size) 11=0-5-4,	15=0-3-8			5-10-14 zone; end C for members and								
	Max Horiz 15=-839 (	LC 8)			own; Lumber DOL								
	Max Grav 11=4182	(LC 2), 15=3988 (LC	2)	DOL=1.60	Swii, Luinber DOL	.= 1.00 pi	ate grip						
FORCES	(lb) - Maximum Com	pression/Maximum	5)		igner/Project engi	neer res	ponsible for						
	Tension		0)		n Load = $5.0 \text{ (psf)}$								
TOP CHORD			82,		s specific to the us			nent.					
	4-5=-1340/1530, 5-6		6)	Provide adeo	quate drainage to	prevent	water ponding	g.					
	6-7=-688/973, 7-8=-				is been designed f								
	9-10=0/167, 1-15=-4		20		ad nonconcurrent							MILLIN.	1111
BOT CHORD	14-15=-762/971, 12- 11-12=-151/410	14=-4/2583,	8)		has been designed			Opsf				WHILL CA	Dall
WEBS	2-14=-45/2329, 8-12	- 20/2200			n chord in all area						1	altion	10/11/
WEB3	3-16=-4042/422, 7-1				by 2-00-00 wide wi		ween the botto	om			1	O' : FSS	in the
	1-14=-132/2614, 9-1	,	0)		ny other members. load (5.0 psf) on i		(c) 22 7 9 4	2 16		1	$\mathbb{S}$	101	The M
	5-16=-657/281, 4-16		9)		lead load (10.0psf)					$\mathcal{U}$		51 4	a.c.
	6-16=-775/1567	,	1(		d live load (40.0 ps					-		0.54	1 1 2
NOTES					oad (5.0 psf) appli							SEA	L <u>1</u> =
	to be connected toget	ther with 10d	11		are assumed to be					Ξ		0363	22 E
	') nails as follows:				necked for L/360 d							. 0000	i E
Top chord	s connected as follows	s: 2x6 - 2 rows	L	DAD CASE(S)	Standard						2	÷.	1 2
staggered	at 0-9-0 oc.			(-)							2.	N. ENG	CRIL S

Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

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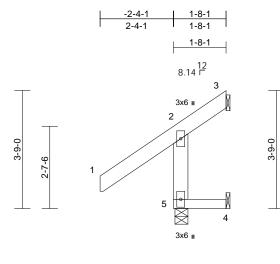
818 Soundside Road Edenton, NC 27932

GILDIN

October 30,2024

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	EJ1	Jack-Open	1	1	Job Reference (optional)	169222888

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:54 ID:ISxkn?Uf0gQE7SmfWlp3VRyOxMu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



0-0-8 1-8-1 0-0-8

Scale = 1:27

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	0.20	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		0.20	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	YES		0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 19 lb	FT = 20%
LUMBER			7) Provide med	hanical connection (b	bv oth	ers) of truss t	0					
TOP CHORD	2x6 SP No.2			e capable of withstan								
BOT CHORD	2x4 SP No.2		41 lb uplift a	t joint 4 and 72 lb upli	lift at jo	pint 3.						
WEBS	2x6 SP No.2		LOAD CASE(S)	Standard								
BRACING												
TOP CHORD	Structural wood she 1-8-1 oc purlins, ex	eathing directly applie xcept end verticals.	ed or									
BOT CHORD	Rigid ceiling directl bracing.	y applied or 10-0-0 or	2									
REACTIONS	(size) 3= Mech 5=0-5-0	anical, 4= Mechanica	I,									
	Max Horiz 5=97 (LC	C 9)										
	Max Uplift 3=-72 (L	C 1), 4=-41 (LC 9), 5=	-7									
	(LC 12)											
	Max Grav 3=25 (LC (LC 1)	C 10), 4=45 (LC 10), 5	ə=341									
FORCES	(lb) - Maximum Cor Tension	mpression/Maximum										
TOP CHORD	2-5=-309/161, 1-2=	0/85, 2-3=-89/28										
BOT CHORD	4-5=0/0											
NOTES												
	CE 7-10; Vult=130mp											
	mph; TCDL=6.0psf; E											111
	Enclosed; MWFRS (e Corner (3) zone; end v		e								W'UL CA	Dalla
	C-C for members and									1	"aTH UN	TO Y'
	shown; Lumber DOL=									×.	O EESS	6.10.
DOL=1.60		51							/	53		Tis 2 m
	esigner/Project engin								-		1 – J	
	Rain Load = 5.0 (psf)								-		SEA	r 1 E
	nts specific to the use has been designed for		ent.						=	:		• –
	load nonconcurrent w		łs						Ξ		0363	22 <u>:</u> E
	s has been designed								-	8		1 2
	tom chord in all areas								1111111111	-	·	all S
	II by 2-00-00 wide wil	I fit between the botto	m							25	S VGINI	EFICAS
	any other members.									1	10	BEIN
	gs are assumed to be irder(s) for truss to tru										11, A. G	ILUIN
											October	un.
											Octobo	

October 30,2024

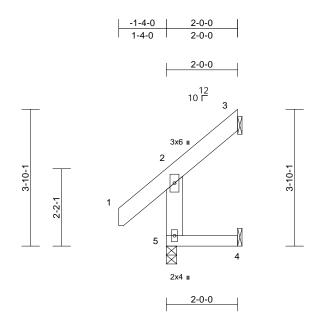
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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	EJ2	Jack-Open	5	1	Job Reference (optional)	169222889

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:54 ID:MTjF1eGK3MAllpPqkICxStzc_6c-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -

# Page: 1



Scale = 1:25.1

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 IRC2015/TPI2014	CSI TC BC WB Matrix-MR	0.13 0.16 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 -0.02	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 18 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x6 SP No.2 Structural wood she 2-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 3= Mech. 5=0-3-8	/ applied or 10-0-0 oc anical, 4= Mechanica	bearing plate 4 and 82 lb t LOAD CASE(S) d or	hanical connection e capable of withsta plift at joint 3. Standard								
FORCES	( )	C 12), 4=-24 (LC 12)	i=198									
Vasd=103 II; Exp B; and C-C E exposed; reactions DOL=1.60 2) Building D verifying F requireme 3) This truss chord live 4) * This trus on the bot 3-06-00 ta chord and 5) All bearing	4-5=0/0 CE 7-10; Vult=130mpl imph; TCDL=6.0psf; E Enclosed; MWFRS (e Exterior (2) zone; end >-C for members and shown; Lumber DOL=	h (3-second gust) CDL=3.0psf; h=25ft; hvelope) exterior zon vertical left and right forces & MWFRS for 1.60 plate grip eer responsible for vovers rain loading of this truss compon- or a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle fit between the bottoc SP No.2.	e ent. Js. psf						W. CHINNES		SEA 0363	

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RENCO A MITEK AMITEK AMITEK

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	G01	Common	1	1	Job Reference (optional)	169222890

Scale = 1:54.6

to 7-4-0, Exterior (2) 7-4-0 to 10-4-0, Interior (1) 10-4-0 to 14-5-4 zone; end vertical left and right exposed;C-C

for members and forces & MWFRS for reactions shown;

Lumber DOL=1.60 plate grip DOL=1.60

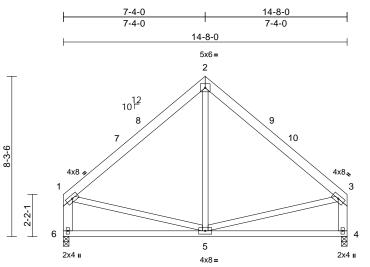
4)

 Building Designer/Project engineer responsible for verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component.

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

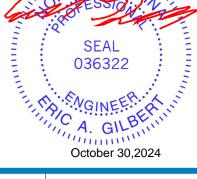
Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:54 ID:4ZYShZ1vhDZ1GFZulypANfzc_4K-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





7-4-0         14-8-0           7-4-0         7-4-0	4
7-4-0 14-8-0	1

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 IRC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.30 0.43 0.07	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.10 0.00	(loc) 4-5 4-5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 108 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	Structural wood she 6-0-0 oc purlins, ex	applied or 10-0-0 oc	6) dor 7)	on the bottor 3-06-00 tall to chord and and All bearings a Provide mech bearing plate	has been designer n chord in all area ny 2-00-00 wide w yy other members are assumed to be hanical connectio c capable of withs iplift at joint 4. Standard	as where rill fit betv e SP No. n (by oth	a rectangle veen the botto 2. ers) of truss t	om o					
	Max Horiz 6=216 (LC Max Uplift 4=-87 (LC Max Grav 4=568 (LC	C 9) C 12), 6=-87 (LC 13)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD		515/148, 1-6=-506/14	46,										
BOT CHORD WEBS	5-6=-224/269, 4-5=- 2-5=0/235, 1-5=-72/2												
NOTES	d reaf live leads have	heen ennidered for											
, this design													
Vasd=103r II; Exp B; E	E 7-10; Vult=130mph mph; TCDL=6.0psf; B Enclosed; MWFRS (er xterior (2) 0-2-12 to 3-	CDL=3.0psf; h=25ft; ( nvelope) exterior zone	9								- St	TH CA	ROUT

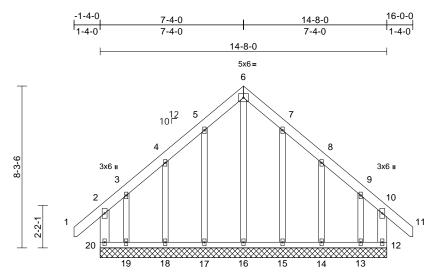


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A MiTek A 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	G01E	Common Supported Gable	1	1	Job Reference (optional)	169222891

## Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries. Inc. Tue Oct 29 06:16:55 ID:45blpBREhfrCLTAQH5Q9lqzc_3o-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale =	1:53.2
---------	--------

Loading

TCLL (roof)

TCDL BCLL BCDL		10.0 0.0* 10.0	Lumber DOL Rep Stress Incr Code	1.15 1.15 YES IRC20	)15/	/TPI2014	BC WB Matrix-MR
	Structural 6-0-0 oc p Rigid ceili bracing. (size) Max Horiz	0.2 0.2 0.3 *Excep 1 wood shea ourlins, exc ng directly 12=14-8-0 18=14-8-0 20=247 (L 12=-215 (l 14=-104 (l 17=-67 (L) 12=223 (L 14=173 (L 14=173 (L	LC 9), 13=-213 (LC LC 13), 15=-67 (LC C 12), 18=-104 (LC LC 9), 20=-241 (LC C 19), 13=277 (LC C 20), 15=180 (LC C 22), 17=182 (LC C 19), 19=298 (LC	ed or -8-0, -8-0, -8-0 8), 13), 12), 8) 11), 20), 19), 10),	3) 4) 5) 6) 7) 8) 9)	Wind: ASCE Vasd=103mp II; Exp B; End and C-C Corr to 7-4-0, Cort to 15-11-3 zc for members Lumber DOL Truss design only. For stu see Standard or consult qu Building Desi verifying Rair requirements All plates are Gable require Truss to be fi braced again Gable studs a chord live loa	bh; TCDL=6.0 closed; MWF her (3) -1-3-3 her (3) 7-4-0 me; end vertii and forces & =1.60 plate g ed for wind lc ds exposed t t Industry Gal alified buildin gner/Project h Load = 5.0 h specific to th 2x4 (  ) MT2 es continuous ally sheathed st lateral mov spaced at 2-Ct s been desig id nonconcur
FORCES	(lb) - Max Tension	,	pression/Maximum		10)	* This truss h on the botton	n chord in all
TOP CHORD	2-20=-238 3-4=-92/1 6-7=-198/	37, 4-5=-14 280, 7-8=-	0/57, 2-3=-184/189, 47/223, 5-6=-198/28 148/223, 8-9=-79/13 1=0/57, 10-12=-222	80, 84,		3-06-00 tall b chord and an All bearings a Provide mech	y other mem are assumed nanical conne
BOT CHORD	19-20=-12 17-18=-12 15-16=-12 13-14=-12	27/118, 18- 27/118, 16- 27/118, 14- 27/118, 14- 27/118, 12-	19=-127/118, 17=-127/118, 15=-127/118, 13=-127/118	109		bearing plate 20, 215 lb up uplift at joint joint 15, 104 13.	lift at joint 12 18, 233 lb up
WEBS	4-18=-16		=-140/78, =-173/155, -160/123, 9-13=-160		LO	AD CASE(S)	Standard

(psf)

20.0

Spacing

Plate Grip DOL

2-0-0

1.15

NOTES

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

7-10; Vult=130mph (3-second gust) n; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. osed; MWFRS (envelope) exterior zone er (3) -1-3-3 to 1-8-13, Exterior (2) 1-8-13 er (3) 7-4-0 to 10-4-0, Exterior (2) 10-4-0 ne; end vertical left and right exposed;C-C and forces & MWFRS for reactions shown; 1.60 plate grip DOL=1.60

14-8-0

0.11

0.13

0.28

DEFL

Vert(LL)

Vert(CT)

Horz(CT)

in

n/a

n/a

0.00

(loc)

12

l/defl

n/a 999

n/a

n/a n/a

L/d

999

PLATES

Weight: 132 lb

MT20

GRIP

244/190

FT = 20%

- d for wind loads in the plane of the truss is exposed to wind (normal to the face), Industry Gable End Details as applicable, lified building designer as per ANSI/TPI 1.
- ner/Project engineer responsible for Load = 5.0 (psf) covers rain loading specific to the use of this truss component.
- 2x4 (||) MT20 unless otherwise indicated. s continuous bottom chord bearing.
- ly sheathed from one face or securely
- t lateral movement (i.e. diagonal web).
- paced at 2-0-0 oc.

CSI

тс

- been designed for a 10.0 psf bottom nonconcurrent with any other live loads.
- as been designed for a live load of 20.0psf chord in all areas where a rectangle 2-00-00 wide will fit between the bottom other members.
- re assumed to be SP No.2.
- anical connection (by others) of truss to capable of withstanding 241 lb uplift at joint ft at joint 12, 67 lb uplift at joint 17, 104 lb 8, 233 lb uplift at joint 19, 67 lb uplift at uplift at joint 14 and 213 lb uplift at joint



Page: 1

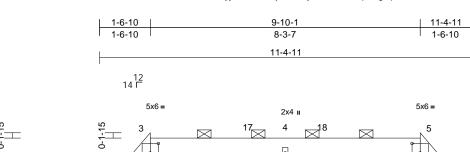
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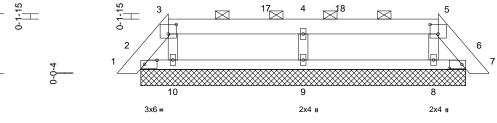
Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB1	Piggyback	1	1	Job Reference (optional)	169222892

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:55 ID:62JaOxaVlyyRMaUVCbmjPmzc_Dy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

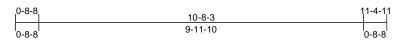
3x6 =

Page: 1





2x4 🛛



Scale = 1:29.8

## Plate Offsets (X, Y): [2:0-4-10,0-1-8], [3:0-3-0,0-3-8], [5:0-3-0,0-3-8], [6:0-4-10,0-1-8]

1-10-0

			, [0:0 0 0,0 0 0], [0:0	,	, 0], [0.0 1 10,0									
Loading		(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		20.0	Plate Grip DOL	1.15		тс	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL		10.0	Lumber DOL	1.15		BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL		0.0*	Rep Stress Incr	YES		WB	0.06	Horz(CT)	0.00	6	n/a	n/a		
BCDL		10.0	Code	IRC20	15/TPI2014	Matrix-MS							Weight: 49 lb	FT = 20%
LUMBER					2) Wind: ASCE	7-10; Vult=130m	ph (3-seo	cond gust)						
TOP CHORD	2x6 SP No.	2				oh; TCDL=6.0psf;								
BOT CHORD	2x4 SP No.2	2				closed; MWFRS (								
OTHERS	2x4 SP No.3	3				ner (3) 0-3-12 to 4								
BRACING						orner (3) 9-10-5 to								
TOP CHORD			athing directly applied	d or		exposed;C-C for reactions shown;								
	6-0-0 oc pu				grip DOL=1.		Lumber	DOL-1.00 pla	le					
			-0 max.): 3-5.			ed for wind loads	in the pl	ane of the true	ss					
BOT CHORD	bracing.	g directly	applied or 6-0-0 oc			ids exposed to wi								
REACTIONS	0	-0 11 10	), 6=9-11-10, 8=9-11-	10		d Industry Gable E								
REACTIONS			), 10=9-11-10, 8=9-11- ), 10=9-11-10,	,		alified building de			PI 1.					
			0, 14=9-11-10			igner/Project engi								
			10), 11=-38 (LC 10)			n Load = 5.0 (psf)								
	Max Uplift 2	2=-32 (LC	13), 6=-36 (LC 13),			s specific to the us quate drainage to								
			8), 9=-102 (LC 8),			es continuous bot			J.					
			C 9), 11=-32 (LC 13),			spaced at 4-0-0 o		a bearing.						
		4=-36 (L				is been designed		0 psf bottom						
			1), 6=44 (LC 1), 8=19	94		ad nonconcurrent			ds.					
			=372 (LC 23), 10=19		9) * This truss I	nas been designed	d for a liv	e load of 20.0	)psf					
	(1		1=44 (LC 1), 14=44 (	LC	on the botto	n chord in all area	as where	a rectangle						
FORCES		· /	pression/Maximum			oy 2-00-00 wide w		ween the botto	om				minin	11111
FUNCES	Tension		pression/iviaximum			ny other members							IN'LY CA	Rollin
TOP CHORD		-3=-38/42	2, 3-4=-32/49,			are assumed to be			_			1	ORIEESE	
			41, 6-7=0/19			hanical connection capable of withst						2.	O'EES8	TON Y'S
BOT CHORD	2-10=-19/33	3, 9-10=- ⁻	15/22, 8-9=-15/22,			t at joint 6, 102 lb						25		i.s.
	6-8=-17/32					6 lb uplift at joint 8							.0	14.6
WEBS	4-9=-288/18	84, 3-10=	-118/86, 5-8=-118/81	1	36 lb uplift a		., <u>52</u> .5 u				-		CEA	n 1 € .
NOTES						d Industry Piggyb	ack Trus	s Connection			THILD.		SEA	• -
,		ads have	been considered for			nnection to base t		applicable, or			1	:	0363	22 ; =
this desigr	n.					fied building desig					-			1 5
					13) Graphical pu	Irlin representation	n does n	ot depict the s	ize			-	A	- 1 E

13) Graphical purlin representation does not depict the siz or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



October 30,2024

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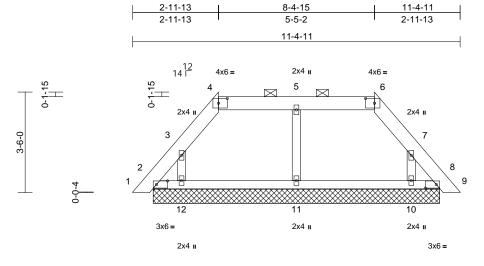
818 Soundside Road Edenton, NC 27932

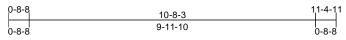
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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB2	Piggyback	1	1	Job Reference (optional)	169222893

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:55 ID:HdRtZ3I4At2i62D4MGsKzvzc_EJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





## Scale = 1:36.2 Plate Offsets (X, Y): [2:0-4-10.0-1-8], [4:0-3-11.0-2-0], [6:0-3-11.0-2-0], [8:0-4-10.0-1-8]

TCLL (roof)     20.0     Plate Grip DOL     1.1       TCDL     10.0     Lumber DOL     1.1       BCLL     0.0*     Rep Stress Incr     YE	5 S	CSI TC BC WB	0.06 0.12 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL         10.0         Code         IR           LUMBER         TOP CHORD         2x6 SP No.2         BOT CHORD         2x4 SP No.3           BOT CHORD         2x4 SP No.3         BRACING         TOP CHORD         Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins, except 2-0-10, 8=9-11-10, 10=9-11-10, 11=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-11-10, 13=9-112, 13=-72 (LC 8), 8=-57 (LC 9), 12=-98 (LC 1), 12=191 (LC 1), 13=-146 (LC 1), 10=180 (LC 20), 11=286 (LC 1), 12=191 (LC 19), 13=146 (LC 1), 16=146 (LC 1), 10=19-30/10, 7-8=-144/69, 8-9=0/19           BOT CHORD         2-12=-42/102, 11-12=-35/101, 10-11=-35/101 8-10=-34/101           BOT CHORD         2-12=-42/102, 11-12=-35/101, 10-11=-35/101 8-10=-34/101           BOT CHORD         2-12=-42/102, 11-12=-112/111, 7-10=-104/102           NOTES         1) Unbalanced roof live loads have been considered for this design.	<ul> <li>Vasd=103m</li> <li>II; Exp B; Er</li> <li>and C-C Co</li> <li>8-5-2, Correr</li> <li>and right exx</li> <li>MWFRS for</li> <li>grip DOL=1</li> <li>3) Truss desig</li> <li>only. For st</li> <li>see Standar</li> <li>or consult q</li> <li>4) Building Dervirgenen</li> <li>5) Provide ade</li> <li>6) Gable requi</li> <li>7) Gable studs</li> <li>8) This truss h</li> <li>chord live lo</li> <li>9) * This truss</li> <li>on the botto</li> <li>3-06-00 tall</li> <li>chord and a</li> <li>10) All bearings</li> <li>11) Provide mer</li> <li>bearing plat</li> <li>2, 57 lb uplit</li> <li>at joint 12, £</li> <li>and 57 lb up</li> <li>12) See Standar</li> <li>13) Graphical plat</li> </ul>	ned for wind loads uds exposed to wi d Industry Gable I Jalified building de signer/Project eng in Load = 5.0 (psf) s specific to the us quate drainage to ese continuous bod spaced at 4-0-0 c as been designed ad nonconcurrent has been designed m chord in all area by 2-00-00 wide w ny other members are assumed to b chanical connectio e capable of withs t at joint 8, 62 lb u 9 lb uplift at joint 1 lift at joint 8. d Industry Piggyb nection to base iffed building desig urlin representation ation of the purlin d.	BCDL=3 (envelope 5-8-9, Ex 1-7 zone; mbers an Lumber I in the pl: nd (norm End Deta signer as ineer ress o covers r se of this prevent v tom chor oc. for a 10.0 with any d for a liv as Where e SP No. n (by oth tanding 7 plift at joi (0, 72 lb) ack Trus truss as a gner. n does no	i.Opsf, h=25ft; s) exterior zor terior (2) 5-8- end vertical lid d forces & DOL=1.60 plat ane of the trus al to the face; ils as applicat s per ANSI/TF ponsible for ain loading truss compor water ponding d bearing. D psf bottom other live loar e load of 20.0 a rectangle ween the bottot 2. ers) of truss t i van the pontion of truss to i van the pontion of truss to i van the pontion i van the pontion of truss to i van the pontion i van the pontion of truss to i van the pontion i van the pontion of truss to i van the pontion of the p	ne 9 to eft te ss obe, ole, ole, ole, ole, ole, ole, ole, ol				Weight: 56 lb ORTH CA ORTES SEA 0363	FT = 20%

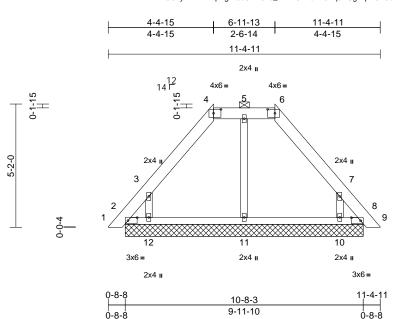


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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB3	Piggyback	1	1	Job Reference (optional)	169222894

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:55 ID:xO5ZyY1HM7HpTgXr3eSA4Gzc_Ef-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:42.7

## Plate Offsets (X, Y): [2:0-4-10,0-1-8], [4:0-3-11,0-2-0], [6:0-3-11,0-2-0], [8:0-4-10,0-1-8]

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	5/TPI2014	CSI TC BC WB Matrix-MS	0.05 0.12 0.07	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 62 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD	2x6 SP No.2 2x4 SP No.2 2x4 SP No.3	eathing directly applied	2)	Wind: ASCE Vasd=103mp II; Exp B; En and C-C Cor to 4-5-2, Cor to 11-1-7 zor	7-10; Vult=130m ph; TCDL=6.0psf; closed; MWFRS ( ner (3) 0-3-12 to 3 ner (3) 4-5-2 to 9- ne; end vertical le and forces & MW	BCDL=3 (envelope 3-3-12, E -8-15, Ex ft and rig	.0psf; h=25ft; exterior zor xterior (2) 3-3 terior (2) 9-8- nt exposed;C	ne 3-12 15 -C				weight. 62 ib	FT = 2076
BOT CHORD	2-0-0 oc purlins (6-		3)		=1.60 plate grip [ ed for wind loads			ss					
REACTIONS	(size) 2=9-11-1 11=9-11- 13=9-11- Max Horiz 2=-123 (I Max Uplift 2=-103 (I 10=-210 12=-217 16=-82 (I Max Grav 2=165 (L 10=286 (	(LC 13), 11=12 (LC 9 (LC 12), 13=-103 (LC LC 9) C 20), 8=152 (LC 22), LC 20), 11=208 (LC 3 LC 19), 13=165 (LC 2	0) 4) ), 5) 8), 6) 7) ), 8)	see Standard or consult qu Building Dess verifying Rain requirements Provide aded Gable requir Gable studs This truss ha chord live loa * This truss h	Ids exposed to wi d Industry Gable I alified building de igner/Project eng n Load = 5.0 (psf) s specific to the us quate drainage to es continuous bot spaced at 4-0-0 c s been designed ad nonconcurrent nas been designe n chord in all area	End Deta ssigner as ineer res covers r se of this prevent tom chor oc. for a 10.0 with any d for a liv	ils as applical s per ANSI/Tf consible for ain loading truss compor water ponding d bearing. 0 psf bottom other live loa e load of 20.0	ble, PI 1. nent. J. ds.					
FORCES	(lb) - Maximum Cor Tension	npression/Maximum		3-06-00 tall b	by 2-00-00 wide w	vill fit betw		om				W'TH CA	RO
TOP CHORD	1-2=0/19, 2-3=-186 4-5=-134/141, 5-6= 7-8=-173/91, 8-9=0	-134/141, 6-7=-193/13		) All bearings a ) Provide mec	are assumed to b hanical connectio	e SP No. n (by oth	ers) of truss t			4	i.	ORTH CA	N.V.
BOT CHORD		2=-42/116, 10-11=-42	/116,	2, 82 lb uplift	capable of withs at joint 8, 12 lb u	plift at joi	nt 11, 217 lb	uplift		4		de la	
WEBS		=-229/233, 7-10=-231		and 82 lb upl						Ξ		SEA	• –
NOTES 1) Unbalance this design		been considered for	13	Detail for Co consult quali ) Graphical pu		truss as a gner. n does ne	applicable, or ot depict the s			11 to the	A A A A A A A A A A A A A A A A A A A		EERCH

13) 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



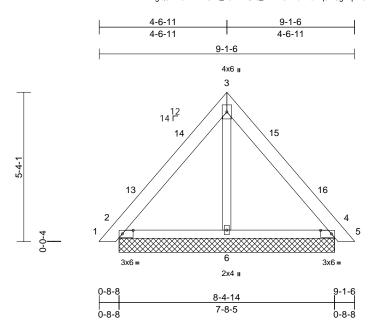
818 Soundside Road Edenton, NC 27932

G minim October 30,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent 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 of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB4	Piggyback	16	1	Job Reference (optional)	169222895

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:55 ID:zgQ5M?6kkZnPSwt_?9v2TQzc_2x-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:31.7

Plate Offsets (2	Plate Offsets (X, Y): [2:0-4-10,0-1-8], [4:0-4-10,0-1-8]												
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	0.09	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	IRC2015	/TPI2014	Matrix-MS							Weight: 51 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD	2x6 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she	athing directly appli	4)	only. For st see Standar or consult q Building Des	ned for wind load uds exposed to w d Industry Gable ualified building c signer/Project en in Load = 5.0 (ps	vind (norm End Deta lesigner as gineer res	al to the face ils as applica per ANSI/TI ponsible for	), ble,					

 BOT CHORD
 Situation wood situating directly applied of a construction wood situating directly applied of a construction wood situating directly applied of a construction of the con

	10=7-8-5
Max Horiz	2=-129 (LC 10), 7=-129 (LC 10)
Max Uplift	2=-91 (LC 13), 4=-83 (LC 13),
	7=-91 (LC 13), 10=-83 (LC 13)
Max Grav	2=265 (LC 1), 4=265 (LC 1), 6=154
	(LC 3), 7=265 (LC 1), 10=265 (LC

	I)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/19, 2-3=-224/155, 3-4=-203/157,
	4-5=0/19
BOT CHORD	2-6=-97/120, 4-6=-51/120
WEBS	3-6=-82/57

## NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-3-12 to 3-3-12, Interior (1) 3-3-12 to 4-6-15, Exterior (2) 4-6-15 to 7-6-15, Interior (1) 7-6-15 to 8-10-1 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 verifying Rain Load = 5.0 (psf) covers rain loading requirements specific to the use of this truss component. Gable requires continuous bottom chord bearing.

- 6) Gable studs spaced at 4-0-0 oc.
- 7) 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.

- 9) All bearings are assumed to be SP No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 2, 83 lb uplift at joint 4, 91 lb uplift at joint 2 and 83 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

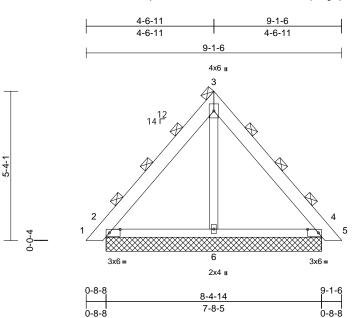


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A MiTek Affilial A MiTek Affilial 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB5	Piggyback	4	2	Job Reference (optional)	169222896

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:55 ID:1ZqmW7H8BAfHIEWtNohZabzc_2i-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:31.7

Plate Offsets (X, Y): [2:	0-4-10,0-1-8	], [4:0-4-10,0-1-8]											
Loading	(psf)	Spacing	5-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
rcdl (	10.0	Lumber DOL	1.15		BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015	5/TPI2014	Matrix-MS							Weight: 101 lb	FT = 20%
(Switche BOT CHORD Rigid ce bracing. REACTIONS (size) Max Horiz	No.2 No.3 purlins (6-0 ed from shee illing directly 2=7-8-5, 4 10=7-8-5 2 2=-322 (Li 7=-229 (Li 7=-229 (Li 2=656 (LC	-0 max.) ted: Spacing > 2-0-0 applied or 10-0-0 oc 3=7-8-5, 6=7-8-5, 7=7 C 10), 7=-322 (LC 10 C 13), 4=-207 (LC 13 C 13), 10=-207 (LC 13 C 13), 10=-207 (LC 13 C 13), 10=-207 (LC 13), 10=-566 (LC 1), 10=-566	, 7-8-5, ⁵⁾ )) 3), 6) =394	II; Exp B; En and C-C Cor to 4-6-15, CC 7-6-15 to 8-1 exposed;C-C reactions sho DOL=1.60 Truss design only. For stu see Standard or consult qu Building Des verifying Raii requirements Gable require	bh; TCDL=6.0psf; closed; MWFRS ( ner (3) 0-3-12 to : vrner (3) 4-6-15 to 0-1 zone; end vei for members and vwn; Lumber DOL ed for wind loads ds exposed to wi 1 Industry Gable E alified building de igner/Project engin 1 Load = 5.0 (psf) s specific to the us as continuous bot spaced at 4-0-0 c	envelope 3-3-12, E 7-6-15, I rtical left : d forces & = 1.60 pla in the pla nd (norm End Detai signer as ineer resp covers r se of this tom chor	e) exterior zo xterior (2) 3-3 Exterior (2) and right & MWFRS fo ate grip ane of the tru al to the face ils as applica s per ANSI/T ponsible for ain loading truss compo	ne 3-12 r ss ), ble, PI 1.					

9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom

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

13) See Standard Industry Piggyback Truss Connection

Detail for Connection to base truss as applicable, or

bearing plate capable of withstanding 229 lb uplift at joint

2, 207 lb uplift at joint 4, 229 lb uplift at joint 2 and 207 lb

chord and any other members. 11) All bearings are assumed to be SP No.2.

consult qualified building designer.

FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/48, 2-3=-554/370, 3-4=-491/370,
	4-5=0/48
BOT CHORD	2-6=-258/301, 4-6=-116/297
WEBS	3-6=-195/129

NOTES

- 2-ply truss to be connected together as follows: Top chords connected with 10d (0.131"x3") nails as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
  - WARNING Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not 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 **ANSUTPI1 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)

uplift at joint 4.

LOAD CASE(S) Standard



818 Soundside Road Edenton, NC 27932 Page: 1

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB6	Piggyback	1	1	Job Reference (optional)	169222897

9-1-6 4x6 🛚 4

4-6-11

4-6-11

12 14 ⊏ 2x4 II

18

84 Lumber-2383 (Dunn, NC), Dunn, NC - 28334,

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:56 ID:ImyzAMc4rT3RUN43TzgvAHzc_2H-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

9-1-6

4-6-11

2x4 II

19

Page: 1

# 3 5 5-4-17 20 2 6 7 0-0-4 $\otimes$ $\times\!\!\times\!\!\times$ 10 8 9 3x6 = 3x6 = 2x4 II 2x4 II 2x4 II 0-8-8 9-1-6 8-4-14 7-8-5 0-8-8 0-8-8 Plate Offsets (X, Y): [2:0-4-10,0-1-8], [6:0-4-10,0-1-8]

Scale = 1:31.7

TOP CHORD       2x6 SP No.2         BOT CHORD       2x4 SP No.2         BOT CHORD       2x4 SP No.3         BRACING       Tructural wood sheathing directly applied or 6-0-0 co purlins.         BOT CHORD       Structural wood sheathing directly applied or 10-0-0 co bracing.         REACTIONS       (size)         2=7-8-5, 6=7-8-5, 9=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-8-5, 11=7-		( ) ] [ ]	- ,	3, 2 3												
TOP CHORD DOT PCHORD2x6 SP No.2BOT CHORD DTHERS2x4 SP No.3BRACING TOP CHORDStructural wood sheathing directly applied or 6-0-0 co purlins.BOT CHORD BOT CHORDStructural wood sheathing directly applied or 6-0-0 co purlins.BOT CHORD BOT CHORDRigid ceiling directly applied or 10-0-0 oc bracing.REACTIONS(size)2=7-8-5, 6=7-8-5, 8=7-8-5, 9=7-8-5, 10=7-8-5, 11=7-8-5, 11=7-8-5, 14=7-8-5Max Horiz L 2=-129 (LC 10), 11=-129 (LC 10) Max Uplif L C-13), 10=-171 (LC 12), 11=-40 (LC 8), 14=-16 (LC 9) Max Grav L (LC 8), 14=-16 (LC 9) Max Grav L 2=09 (LC 20), 9=114 (LC 22), 10=214 (LC 19), 11=150 (LC 20), 14=131 (LC 19)FORCES(b) - Maximum Compression/Maximum TensionTOP CHORD1-2=-01/19, 2-3=-125/92, 3-4=-113/104, 4-5=-113/107, 5-6=-105/61, 6-7=0/19OP CHORD1-2=-01/19, 2-3=-125/92, 3-4=-113/1	TCLL (roof) TCDL BCLL		20.0 10.0 0.0*	Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	15/TPI2014	TC BC WB	0.04	Vert(LL) Vert(CT)	n/a n/a	-	n/a n/a	999 999	MT20	244/190	
6-8=-61/104 WEBS 4-9=-79/39, 3-10=-205/180, 5-8=-207/180 2 16 lb uplift at joint 6 171 lb uplift at joint 10 167 lb	LUMBER TOP CHORE BOT CHORE OTHERS BRACING TOP CHORE BOT CHORE REACTIONS FORCES TOP CHORE BOT CHORE WEBS NOTES 1) Unbaland	<ul> <li>2x4 SP N 2x4 SP N</li> <li>Structura 6-0-0 oc</li> <li>Rigid ceil bracing.</li> <li>(size)</li> <li>Max Horiz Max Uplift</li> <li>Max Grav</li> <li>(lb) - May Tension</li> <li>1-2=0/19 4-5=-113</li> <li>2-10=-78 6-8=-61/⁴ 4-9=-79/3</li> <li>ced roof live</li> </ul>	lo.2 lo.3 ll wood she purlins. ling directly 2=7-8-5, 6 10=7-8-5, 2=-129 (LC 2=-40 (LC (LC 13), 14 2=150 (LC 8=209 (LC 10=214 (L 14=131 (L 14=131 Cm , 2-3=-125/ /107, 5-6=- /104 39, 3-10=-2	athing directly applie applied or 10-0-0 or 6=7-8-5, 8=7-8-5, 9= 11=7-8-5, 14=7-8-5 C 10), 11=-129 (LC C 3), 6=-16 (LC 9), 8= 10=-171 (LC 12), 11= 4=-16 (LC 9) C 20), 6=131 (LC 19) C 20), 9=-114 (LC 22) C 19), 11=150 (LC 22) C 19), 11=150 (LC 22) C 19), 11=150 (LC 22) C 19), 11=150 (LC 22) C 19), 12=150 (LC 22)	2 ed or 7-8-5, 3 =-167 =-40 ), 6 (), 7 20), 7 20), 8 66, 1 0	<ol> <li>Wind: ASCE Vasd=103mµ II; Exp B; En and C-C Ext to 4-6-15, Ex 7-6-15 to 8-1 exposed; C-C reactions shu DOL=1.60</li> <li>Truss design only. For stu see Standard or consult qu</li> <li>Building Des verifying Rai equirements</li> <li>Gable requir</li> <li>Gable requir</li> <li>Gable studs</li> <li>This truss ha chord live loz chord live loz</li> <li>* This truss ha chord live loz</li> <li>* This truss ha chord and ar</li> <li>All bearings</li> <li>Provide mec bearing plate 2, 16 lb uplift uplift at joint joint 6.</li> <li>See Standar Detail for Co consult quali</li> </ol>	F-10; Vult=130m ph; TCDL=6.0psf (closed; MWFRS erior (2) 0-3-12 to tetrior (2) 4-6-15 10-1 zone; end vc C for members ar own; Lumber DO end for wind load: uds exposed to w d Industry Gable ualified building d signer/Project eng in Load = 5.0 (psf s specific to the u es continuous bo spaced at 2-0-0 as been designed at onocncurrent members are assumed to t chanical connectic e capable of withst at joint 6, 171 lb 8, 40 lb uplift at j ¹ d Industry Piggyt innection to base ified building desi	FBCDL=3 (envelope o 3-3-12, I to 7-6-15, ertical left di forces a uL=1.60 pl s in the pl vind (norm End Deta esigner as gineer res f) covers r use of this ottom chor oc. I for a 10.1 t with any ed for a liv as where will fit betw s. os SP No. on (by oth standing 4 o uplift at ji oint 2 anc back Truss as a	<ul> <li>B.Opsť, h=25ft;</li> <li>b. exterior zor</li> <li>c) exterior zor</li> <li>c) interior (1) 3-3;</li> <li>c) interior (1) 3-3;</li> <li>c) interior (1) 3-3;</li> <li>c) interior (1) 3-3;</li> <li>c) and right</li> <li>and right</li></ul>	ne 3-12 r ss ), ble, PI 1. nent. ds. 0psf om oint o t				ORTH CA	AR OUT	Manunum

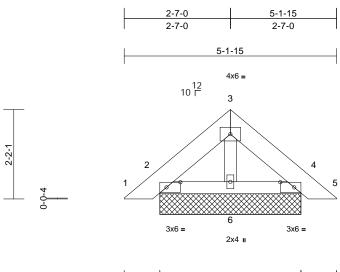


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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB7	Piggyback	1	1	Job Reference (optional)	169222898

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:56 ID:hh7akg2fMXbKovr_aXJLetzc_1j-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



0-10-6	4-3-9	5-1-15	
0-10-6	3-5-3	0-10-6	

Scale = 1:19.7

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

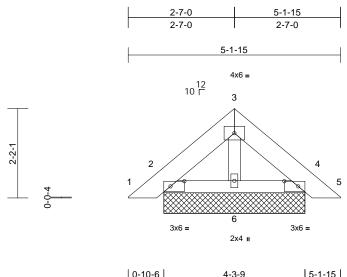
Plate Olisets	(X, Y): [2:0-4-1,0-1-8],	[4:0-4-1,0-1-8]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MP	0.02 0.02 0.01	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 23 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS NOTES	2x6 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 5-2-9 oc purlins. Rigid ceiling directly bracing. (size) 2=3-5-3, 4 11=3-5-3 Max Horiz 2=46 (LC Max Uplift 2=-33 (LC (LC 12), 7 13) Max Grav 2=124 (LC (LC 1), 7= 1) (lb) - Maximum Com Tension 1-2=0/20, 2-3=-60/4	athing directly applied applied or 10-0-0 oc 4=3-5-3, 6=3-5-3, 7=5 11), 7=46 (LC 11) 212), 4=-40 (LC 13), 7=-33 (LC 12), 11=-40 C 1), 4=124 (LC 1), 6 =124 (LC 1), 11=124 apression/Maximum 5, 3-4=-59/46, 4-5=0/ 40	<ul> <li>4) Building E verifying F requirements</li> <li>5) Gable requirements</li> <li>6) Gable stuts</li> <li>6) Gable stuts</li> <li>7) This truss chord live</li> <li>8) * This truss on the boilt of the boilt o</li></ul>	Pesigner/Project eng Rain Load = 5.0 (psf, ints specific to the ui uires continuous boids spaced at 2-0-0 of has been designed load nonconcurrent is has been designed tom chord in all area all by 2-00-00 wide w any other members gs are assumed to b echanical connectio ate capable of withs blift at joint 4, 1 lb up if 40 lb uplift at joint adard Industry Piggyb Connection to base alified building designation	a covers i se of this tom choic oc. for a 10. with any d for a liv as where rill fit betw se SP No n (by oth tanding 3 lift at joir 4. ack Trus truss as a	ain loading truss compone d bearing. D psf bottom other live loads e load of 20.0p a rectangle veen the bottom 2. ers) of truss to b3 lb uplift at join t 6, 33 lb uplift at s Connection	s. sf n			مراليم مراليم	Weight: 23 lb		
Vasd=103 II; Exp B; and C-C E exposed;( reactions DOL=1.60 3) Truss des only. For see Stanc	CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; B Enclosed; MWFRS (er Exterior (2) zone; end v C-C for members and f shown; Lumber DOL=	CDL=3.0psf; h=25ft; ( ivelope) exterior zone rertical left and right orces & MWFRS for 1.60 plate grip the plane of the truss (normal to the face), d Details as applicabl	e s le,						Criticities.		SEA 0363 NGIN A. C Octobe	L 22 ILBER IN S0,2024	Nonuning.



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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB8	Piggyback	7	1	Job Reference (optional)	169222899

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:56 ID:L?s7FmCBXD6dFIIHH2X97Pzc_1X-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



0-10-6	4-3-9	5-1-15	
0-10-6	3-5-3	0-10-6	

Scale = 1:19.7

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

Plate Offsets	(X, Y): [2:0-4-1,0-1-8]	[, [4:0-4-1,0-1-8]				-					
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2	CSI TC BC WB 014 Matrix-MP	0.02 0.02 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in (lo n/a n/a 0.00	c) l/defl - n/a - n/a 4 n/a	L/d 999 999 n/a	PLATES MT20 Weight: 23 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 5-2-9 oc purlins. Rigid ceiling directly bracing. (size) 2=3-5-3, 11=3-5-3 Max Horiz 2=46 (LC Max Uplift 2=-33 (Li (LC 12), 13) Max Grav 2=124 (L (LC 1), 7 1)	C 11), 7=46 (LC 11) C 12), 4=-40 (LC 13), 7=-33 (LC 12), 11=-4	veri requ 5) Gat 6) Gat 6) Gat 7) This cho 3-5-3, cho 9) All t 6=-1 0 (LC 2, 4 5=89 (LC Det con	ding Designer/Projec ying Rain Load = 5.0 iirements specific to le requires continuou le studs spaced at 4 truss has been desi d live load nonconcu is truss has been desi ne bottom chord in al -00 tall by 2-00-00 w d and any other mer earings are assumed vide mechanical conr ing plate capable of 0 lb uplift at joint 4, 1 2 and 40 lb uplift at Standard Industry P ail for Connection to I sult qualified building	(psf) covers r the use of this is bottom chor -0-0 oc. gned for a 10. rirrent with any signed for a liv ll areas where ride will fit betw nbers. d to be SP No. nection (by oth withstanding 3 lb uplift at join joint 4. ggyback Trus base truss as a	ain loading truss componer d bearing. D psf bottom other live loads. e load of 20.0ps a rectangle ween the bottom 2. ers) of truss to b3 lb uplift at join t 6, 33 lb uplift at s Connection	f				
this desig 2) Wind: AS Vasd=103 II; Exp B; and C-C E exposed;( reactions DOL=1.6( 3) Truss des only. For see Stanc	2-6=-16/40, 4-6=-5/ 3-6=-42/0 ed roof live loads have n. CE 7-10; Vult=130mpl 3mph; TCDL=6.0psf; E Enclosed; MWFRS (e Exterior (2) zone; end C-C for members and shown; Lumber DOL=	e been considered for h (3-second gust) 3CDL=3.0psf; h=25ft; nvelope) exterior zon vertical left and right forces & MWFRS for c1.60 plate grip h the plane of the trus d (normal to the face) nd Details as applicat	y/20 r Cat. e ss s, ole,	ASE(S) Standard				L	2	SEA 0363	L 22 EER A

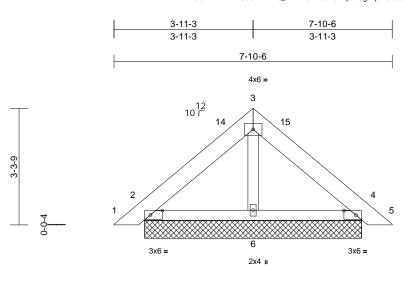


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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB9	Piggyback	17	1	Job Reference (optional)	169222900

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:56 ID:2wTvLBJSAHNDRIWCs9iVXWzc_1N-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



0-10-6	6-11-15	7-10-6
0-10-6	6-1-9	0-10-6

Scale = 1:23.9

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

	(X, 1): [2:0-4-1;0-1-0],	[4:0-4-1;0-1-0]									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2015/TPI2014	BC 0	06 Vert(LL) 08 Vert(CT) 01 Horz(CT)	in n/a n/a 0.00	(loc) - - 4		L/d 999 999 n/a	PLATES MT20 Weight: 36 lb	<b>GRIP</b> 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=6-1-9, 4 11=6-1-9 Max Horiz 2=-74 (LC Max Uplift 2=-59 (LC 7=-59 (LC Max Grav 2=209 (LC (LC 3), 7= 1)	2 12), 4=-69 (LC 13), 2 12), 11=-69 (LC 13) 2 1), 4=209 (LC 1), 6=1 209 (LC 1), 11=209 (L	only. For st see Standa or consult q 4) Building De verifying Ra requiremen 5) Gable requi 6) Gable studs 7) This truss h chord live lc 8) * This truss on the botto 3-06-00 tall chord and a 9) All bearings 10) Provide me	ned for wind loads in th uds exposed to wind (n rd Industry Gable End I ualified building design- signer/Project engineer in Load = 5.0 (psf) cow ts specific to the use of res continuous bottom s spaced at 4-0-0 oc. as been designed for a bad nonconcurrent with has been designed for m chord in all areas wh by 2-00-00 wide will fit iny other members. are assumed to be SP chanical connection (by e capable of withstandi	ormal to the face betails as applica- er as per ANSI/T responsible for res rain loading this truss compo- chord bearing. 10.0 psf bottom any other live loa a live load of 20. ere a rectangle between the bott No.2. others) of truss	e), able, PI 1. onent. ads. Opsf com					
this design 2) Wind: ASC Vasd=103 II; Exp B; I and C-C E 3-11-8, Ex 7-6-8 zone members	4-5=0/20 2-6=-40/82, 4-6=-21, 3-6=-56/5 ed roof live loads have n. CE 7-10; Vult=130mph mph; TCDL=6.0psf; B0 Enclosed; MWFRS (er Exterior (2) 0-4-7 to 3-4 tterior (2) 3-11-8 to 6-8 e; end vertical left and and forces & MWFRS	89, 3-4=-133/93, /82 been considered for (3-second gust) CDL=3.0psf; h=25ft; Ca invelope) exterior zone -7, Interior (1) 3-4-7 to I-6, Interior (1) 3-4-7 to I-6, Interior (1) 6-8-6 to right exposed; C-C for for reactions shown;	uplift at join 11) See Standa Detail for C consult qua LOAD CASE(S)	rd Industry Piggyback onnection to base truss lified building designer.	russ Connectior	ı		Wannan		SEA 0363	• -
Lumber Di	OL=1.60 plate grip DO	1.2=1.60								201111	

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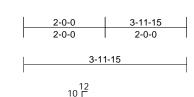
TRENCO A MITEK AMITEK AMITEK

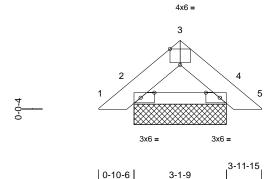
October 30,2024

⁸¹⁸ Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB10	Piggyback	2	1	Job Reference (optional)	169222901

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:56 ID:P9oDziaF?2854gCR9n6fQ9zc_11-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





1-8-4

0-10-6	3-1-9		
0-10-6	2-3-3	0-10-6	

Scale = 1:17.8

oading (psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof) 20.0	Plate Grip DOL	1.15	TC	0.01	Vert(LL)	n/a	-	n/a	999	MT20	244/190
CDL 10.0 CLL 0.0*	Lumber DOL	1.15 YES	BC WB	0.03 0.00	Vert(CT) Horz(CT)	n/a 0.00	-	n/a	999 n/a		
CDL 10.0	Rep Stress Incr Code	IRC2015/TPI2014	Matrix-MP	0.00	Horz(CT)	0.00	10	n/a	n/a	Weight: 16 lb	FT = 20%
UMBER OP CHORD 2x6 SP No.2 OT CHORD 2x4 SP No.2 IRACING OP CHORD Structural wood she 4-0-9 oc purlins. OT CHORD Rigid ceiling directly bracing. IEACTIONS (size) 2=2-3-3, 10=2-3-3 Max Horiz 2=-34 (LC Max Uplif 2=-26 (LC Max Grav 2=122 (LC	athing directly applied applied or 10-0-0 oc =2-3-3, 6=2-3-3, 10), 6=-34 (LC 10) 12), 4=-24 (LC 13), 12), 10=-24 (LC 13), 1), 4=128 (LC 1), eression/Maximum 5, 3-4=-56/25, 4-5=0/ been considered for (3-second gust) DL=3.0pst; h=25ft; velope) exterior zone ertical left and right press & MWFRS for .60 plate grip the plane of the trus (normal to the face), d Details as applicab giver sain loading of this truss compone	7) This truss I chord live I 8) * This truss on the bott 3-06-00 tal chord and 9) All bearing 10) Provide me bearing pla 2, 24 lb up uplifit at join 11) See Stand Detail for C consult qua LOAD CASE(S /20	has been designed f bad nonconcurrent v has been designed by 2-00-00 wide wi any other members. s are assumed to be chanical connection te capable of withst ff at joint 4, 26 lb up t 4. ard Industry Piggyba onnection to base ti lified building desig	with any for a liv s where Il fit betw SP No. (by oth anding 2 whift at join russ as a	other live loa e load of 20.0 a rectangle veen the botto 2. ers) of truss t 26 lb uplift at j nt 2 and 24 lk s Connection	Opsf om oont o				ORTHESS SEA	ROUL

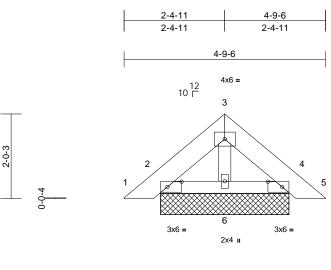


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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB11	Piggyback	1	1	Job Reference (optional)	169222902

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:56 ID:Wf47h9kPx2nF8ghxP?qiSuzc_0q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



0-10-6	3-11-0	4-9-6
0-10-6	3-0-10	0-10-6

Scale = 1:19.1

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

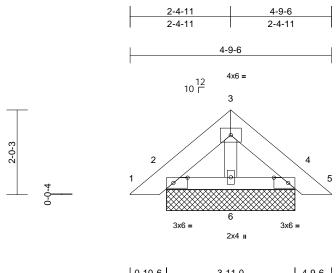
	(^, 1). [2.0-4-1,0-1-8],	[4.0-4-1,0-1-0]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MP	0.01 0.02 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 21 lb	<b>GRIP</b> 244/190 FT = 20%	
	2x4 SP No.2 2x4 SP No.3 Structural wood she 4-10-0 oc purlins. Rigid ceiling directly bracing. (size) 2=3-0-10, 7=3-0-10, Max Horiz 2=-42 (LC Max Uplift 2=-30 (LC (LC 12), 7 13) Max Grav 2=113 (LC (LC 1), 7= 1)	5) 6) 7) 8) 6=-2 10 6 (LC =80 11	verifying Rain requirements Gable requirr Gable studs: This truss ha chord live loa * This truss h on the bottom 3-06-00 tall b chord and an All bearings a ) Provide mecl bearing plate 2, 36 lb uplift joint 2 and 36 ) See Standarn Detail for Con	igner/Project engin a Load = 5.0 (psf) of s specific to the use scontinuous botte spaced at 2-0-0 oc s been designed for d nonconcurrent v as been designed n chord in all areas y 2-00-00 wide will y other members. are assumed to be nanical connection capable of withstä at joint 4, 2 lb uplif b) uplift at joint 4. d Industry Piggyba mection to base tr ied building design	covers r e of this om chor or a 10.0 vith any for a liv s where Il fit betw SP No. (by oth anding 3 fit at join ack Trus uss as a	ain loading truss compor d bearing. ) psf bottom other live load e load of 20.0 a rectangle veen the botto 2. ers) of truss tr 0 lb uplift at jr t 6, 30 lb uplif s Connection	ds. )psf om o							
this design 2) Wind: ASC Vasd=103 II; Exp B; I and C-C E exposed;C reactions : DOL=1.60 3) Truss desi only. For see Stand	2-6=-14/35, 4-6=-6/3 3-6=-39/0 ed roof live loads have n. CE 7-10; Vult=130mph Bmph; TCDL=6.0psf; Bd Enclosed; MWFRS (er Exterior (2) zone; end v Sc for members and fi shown; Lumber DOL=	9, 3-4=-51/40, 4-5=0, 55 been considered for (3-second gust) CDL=3.0psf; h=25ft; ivelope) exterior zone retrical left and right corces & MWFRS for 1.60 plate grip the plane of the trus (normal to the face), d Details as applicab	/20 Cat. e s	OAD CASE(S)	Standard					Awaran	K. M.	SEA 0363		Manunnin



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Job	Truss	Truss Type	Qty	Ply	Buck & Mel House - Godwin Construction	
2404390-17999	PB12	Piggyback	7	1	Job Reference (optional)	169222903

Run: 8.82 S Oct 10 2024 Print: 8.820 S Oct 10 2024 MiTek Industries, Inc. Tue Oct 29 06:16:56 ID:aXUorHwpPeg7R_LpofcDZ3zc_0b-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



0-10-6	3-11-0	4-9-6	
0-10-6	3-0-10	0-10-6	

Scale = 1:19.1

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

Plate Offsets (.	X, Y): [2:0-4	4-1,0-1-8 <u>]</u> ,	[4:0-4-1,0-1-8]												
Loading TCLL (roof) TCDL BCLL BCDL		(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20	15/TPI2014	CSI TC BC WB Matrix-MP	0.01 0.02 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: 21 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalance this design 2) Wind: ASC Vasd=103, II; Exp B; E and C-C E exposed;C reactions s DOL=1.60 3) Truss desi only. For s see Standa	4-10-0 oc Rigid ceilir bracing. (size) Max Horiz Max Uplift Max Grav (lb) - Maxin Tension 1-2=0/20, : 2-6=-14/35 3-6=-39/0 ed roof live Ic CE 7-10; Vult mph; TCDL= Enclosed; MI cxterior (2) zc c-C for memt shown; Lumt gned for win studs expose ard Industry	2.2 .2 .3 wood she purlins. ng directly 2=3-0-10, 7=3-0-10, 2=-42 (LC 2=-30 (LC (LC 12), 7 13) 2=113 (LC (LC 1), 7= 1) mum Com 2-3=-51/3 5, 4-6=-6/3 bads have t=130mph -6.0psf; BW WFRS (er opne; end v ber DOL= ⁻ d loads in de dto wind Gable En	athing directly applie applied or 10-0-0 oc 4=3-0-10, 6=3-0-10, 11=3-0-10 2 10), 7=-42 (LC 10) 2 12), 4=-36 (LC 13), 230 (LC 12), 11=-36 C 1), 4=113 (LC 1), 6 =113 (LC 1), 11=113 appression/Maximum 9, 3-4=-51/40, 4-5=0,	6=-2 65 (LC =80 (LC 1/20 Cat. e s le,	<ul> <li>Building Desverifying Rai requirements</li> <li>Gable requir</li> <li>Gable studs</li> <li>This truss ha chord live loa</li> <li>* This truss ha on the bottor 3-06-00 tall bearings</li> <li>All bearings</li> <li>Provide mec bearing plate 2, 36 lb uplift</li> <li>See Standar Detail for Co</li> </ul>	igner/Project engir n Load = 5.0 (psf) s specific to the uss es continuous bott spaced at 4-0-0 oc is been designed fad nonconcurrent v as been designed n chord in all areas by 2-00-00 wide wil y other members. are assumed to be hanical connection a capable of withsta at joint 4, 2 lb upli 6 lb uplift at joint 4. d Industry Piggyba nnection to base tr fied building design	covers r e of this om chor or a 10. vith any for a liv s where Il fit betw SP No. (by oth anding 3 fit at join ack Trus uss as a	ain loading truss compon d bearing. D psf bottom other live load e load of 20.0 a rectangle veen the botto 2. ers) of truss tr 00 lb uplift at jc t 6, 30 lb uplif s Connection	ds. Ipsf om o pint		An IIIIII.		SEA 0363	L 22 EER	~ 7
													October	r 30,2024	

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**RENCO** 

