

Trenco 818 Soundside Rd Edenton, NC 27932

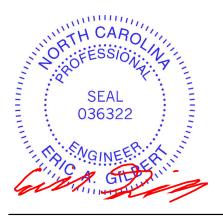
Re: 22080003 DRB GROUP - 121 FaNC

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Sanford, NC)).

Pages or sheets covered by this seal: I53485631 thru I53485665

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844



August 5,2022

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	DRB GROUP - 121 FaNC	
22080003	A01	Piggyback Base	6	1	Job Reference (optional)	153485631

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:33 ID:vmWSYKxMeSKeeaoGnh3QrczhvSE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

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6-7-5 12-4-12 17-6-14 21-2-5 26-2-5 32-6-12 38-4-2 43-9-4 49-10-6 55-11-0 6-7-5 5-9-7 5-2-2 3-7-7 5-0-0 6-4-7 5-9-6 5-5-1 6-1-2 6-0-10 2x4 🛛 4x6= 6x8= 2x4 4x5 =6x8= 7¹² 4 5 35 36376 3839 7 4041 8 9 r fi 4x5 🞜 8x10👟 11-6-0 6-4-12 343 10 42₄₃ 33 6x8 = 2x4 🥡 11-6-0 4¹² 31 ²22 44 14/5 3x5 II 5-1-4 5-1-4 4x5_≈ 2-10-13 12 13 × 26 23 Œ Œ × ₿ 22 X 2158 49 17 4621 20 19 50 16 52 47 48 15 51 14 4x6= 4x6= 2x4= 2x4 II 4x6= 4x8= 4x5= 4x5= 2x4= 6x12 II 2x4 II 4x8= 4x6= 4x5= 38-2-6 12-4-12 17-8-10 23-8-5 29-6-4 46-11-13 <u>55-11-0</u> 12-4-12 5-3-14 5-11-11 5-9-15 8-8-2 8-9-7 8-11-3

Scale = 1:97.2

Plate Offsets (X, Y): [10:0-5-0,0-4-8]

·		-	-										
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0		1.15		тс	0.68	Vert(LL)	-0.17		>861	240	MT20	244/190
Snow (Pf)	20.0		1.15		BC	0.62	Vert(CT)	-0.35		>422	180		,
TCDL	10.0		YES		WB	0.62	Horz(CT)	0.04	13	n/a	n/a		
BCLL	0.0*			8/TPI2014	Matrix-MSH								
BCDL	10.0	0000		0, 11 12011								Weight: 476 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING	2x6 SP No.2 2x4 SP No.3 *Excep 18-6,18-8,16-8,16-9, No.2 Right 2x6 SP No.2	20-4,20-5,24-25:2x4 S · 1-6-0	;P		2-22=-394/225, 3-2 6-25=-521/143, 18- 8-18=-1042/321, 8- 10-16=-825/247, 1(11-14=-240/191, 2- 4-20=-244/60, 20-2 5-24=-334/129, 24- 19-26=0/45	25=-53 16=-15 0-14=-4 23=-37 4=-346	3/130, 4/951, 9-16=0, 2/531, /313, 3-20=0/8 /116,		rec UP upl 10) Thi Inte R8 11) Gra	ommend LIFT at ji ift only a s truss is ernationa 02.10.2 a aphical p	led to c t(s) 22, nd doe desig desig and ref urlin re	, 18, 23, and 13. Is not consider la ned in accordanc dential Code sect erenced standard	bearing walls due to This connection is for teral forces. See with the 2018 tions R502.11.1 and d ANSI/TPI 1. Ses not depict the size
TOP CHORD		athing directly applied		OTES						tom chor		or the putlin along	g the top and/or
		cept end verticals, and	1)		roof live loads have	e been	considered for					a do rd	
BOT CHORD	2-0-0 oc purlins (6-0 Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 22	2)	Vasd=103m Cat. II; Exp I	E 7-16; Vult=130mph (3-second gust) mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; p B; Enclosed; MWFRS (envelope) exterior									
WEBS	1 Row at midpt 3-22, 6-18, 8-18, 10-16, 4-20, 5-20, 24-25			11-2-2 to 17	C Exterior(2E) 5-7- -5-0, Exterior(2R) 1	7-5-0 to	28-7-3, Interi						
			6), _a	Interior (1) 4 61-4-4 zone vertical left a forces & MW DOL=1.60 p TCLL: ASCE	38-0-0, Exterior(2F 9-5-6 to 55-9-2, Exi ; cantilever left and and right exposed;C /FRS for reactions : late grip DOL=1.60 E 7-16; Pr=20.0 psf	térior(21 right ex C-C for r shown; (roof LI	E) 55-9-2 to posed ; end nembers and Lumber .: Lum DOL=1	.15				TH CA	RO
FORCES	(lb) - Maximum Com Tension		,	DOL=1.15);	1.15); Pf=20.0 psf (I Is=1.0; Rough Cat			;			and a	OR FESS	RIVI
TOP CHORD	1-2=-177/92, 2-3=-4 4-5=-199/182, 5-6=- 8-9=-673/331, 9-11=	302/218, 6-8=-157/176 -1587/350,	4) 5, 5)	design. 200.0lb AC ເ	=1.10 snow loads have b unit load placed on I, supported at two	the bott	om chord, 23-			G		SEA	• –
BOT CHORD	11-13=-1745/332, 1-23=-313/130 HORD 22-23=-264/121, 20-22=-386/203, 19-20=-109/380, 18-19=-109/380, 16-18=-55/487, 14-16=-56/1141, 13-14=-183/1417			Provide ade This truss ha chord live loa * This truss h on the botton 3-06-00 tall h	, supported ratin age to p quate drainage to p as been designed for ad nonconcurrent w has been designed m chord in all areas by 2-00-00 wide wil ny other members,	orevent or a 10. vith any for a liv where I fit betw	water ponding 0 psf bottom other live load e load of 20.0 a rectangle veen the botto	ds. Ipsf		5.111111111		(IIIIIII)	EER. KIN

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



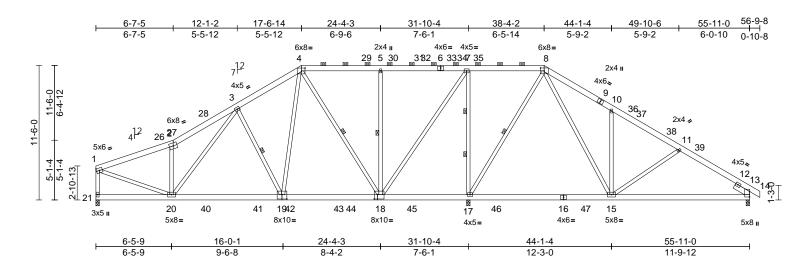
Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	A02	Piggyback Base	1	1	Job Reference (optional)	153485632

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:36 ID:vmWSYKxMeSKeeaoGnh3QrczhvSE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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August 5,2022

818 Soundside Road Edenton, NC 27932



Scale = 1:98.5

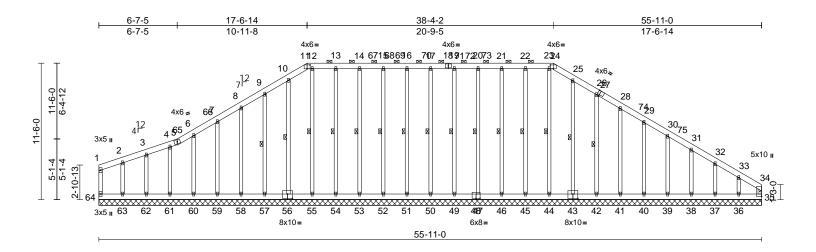
Plate Offsets ((X, Y): [4:0-3-12,0-3-1	2j, [8:0-3-12,0-3-0], [18:0-3-4,0	J-4-8], [19:0-5-0	0,0-4-8]		-						
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.55 0.55 0.91	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 15-17 15-17 13	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 467 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD WEBS WEBS REACTIONS FORCES TOP CHORD	2x6 SP No.2 2x6 SP 2400F 2.0E 1 No.2 2x4 SP No.3 *Excep 17-7,17-8,18-7,19-4, No.2 Right 2x6 SP No.2 Structural wood she: 5-1-1 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Row at midpt 2 Rows at 1/3 pts (size) 13=0-3-8, Max Horiz 21=259 (L Max Uplift 13=-133 (Max Grav 13=943 (L 21=1331 ((lb) - Maximum Com Tension	t* 18-4,18-5,15-8:2x4 \$ - 1-6-0 athing directly applie cept end verticals, ar -0 max.): 4-8. applied or 6-0-0 oc 8-17, 3-19, 4-18, 5-1 7-17 17=0-3-8, 21=0-3-8 _C 13) _LC 15), 21=-34 (LC _C 53), 17=3220 (LC (LC 60) pression/Maximum =-1950/320,	1) SP 2) SP d or d or 8 3) (4) (4) (4) (3), 5) (6)	 this design. Wind: ASCE Vasd=103mg Cat. II; Exp E zone and C-1 11-2-2 to 17- (1) 28-7-3 to 0 Interior (1) 44 62-2-12 zone vertical left a forces & MW DOL=1.60 pl TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced design. This truss ha load of 12.0 overhangs n 200.0lb AC u from left end 	roof live loads hav 7-16; Vult=130mp bh; TCDL=6.0psf; I 3; Enclosed; MWFI C Exterior(2E) 5-7- 5-0, Exterior(2R) 1 38-2-5, Exterior(2R) 9-6-8 to 56-7-10, E e; cantilever left an nd right exposed; (FRS for reactions ate grip DOL=1.60 (FRS for reactions (FRS for reactions ate grip DOL=1.60 (FRS for reactions (FRS for reactions) (FRS for	h (3-sec BCDL=6 RS (env RS (env R) do to 11- 17-5-0 tc R) 38-2- xixterior(: d right e C-C for r shown; (roof LL Lum DC B; Fully been cor or great at roof li other lii the bott the bott;	cond gust) 6.0psf; h=25ft elope) exterior 2-2, Interior (2-2, 2, 10, 22, 20, 22, 20, 20, 20, 20, 20, 20, 2	; or (1) rior o 1 1.15 e 9; his f live sf on 3-3-8	Inte R80 12) Gra or ti	ernationa 02.10.2 a phical p he orien tom cho	al Resid and ref urlin re tation o rd.	ned in accordance dential Code sect erenced standard epresentation doe of the purlin along	e with the 2018 ions R502.11.1 and ANSI/TPI 1. is not depict the size
BOT CHORD WEBS	7-8=0/615, 8-10=-88 11-13=-1125/244, 13 1-21=-1239/181 20-21=-236/202, 17- 15-17=-89/199, 13-1 1-20=-58/1668, 7-17 8-17=-1252/249, 7-1 2-20=-694/259, 3-20 3-19=-704/280, 4-19 5-18=-593/193, 10-1 8-15=-236/1351, 11-	3-14=0/26, -20=-679/1352, 15=-82/901 7=-1881/285, 18=-119/1701, 9=-172/568, 9=0/1170, 4-18=-986/ 15=-654/252,	9)	This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar 0) One H2.5A S recommende UPLIFT at jt(is been designed f ad nonconcurrent v nas been designed n chord in all areas by 2-00-00 wide wil y other members, Simpson Strong-Tie ed to connect truss is) 21 and 13. This is not consider late	or a 10.4 vith any for a liv s where Il fit betw with BC e conne to bear connec	D psf bottom other live loa re load of 20.0 a rectangle veen the botto DL = 10.0psi ctors ing walls due tion is for upl	ads. Opsf om f.		Y		SEA 0363	22 EP 0



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	A03	Piggyback Base Supported Gable	1	1	Job Reference (optional)	153485633

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:37 ID:ACS0SGCfmETEfJzgbpcWMMzhrbI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Scale = 1:97.2

Loading TCLL (roof)	(psf 20.0		1-11-4 1.15	CSI TC	0.29	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190			
Snow (Pf)	20.0		1.15	BC	0.23	Vert(LL)	n/a	-	n/a	999	WIT20	244/190			
TCDL	10.0		YES	WB	0.22	Horiz(TL)	-0.01	35	n/a	n/a					
BCLL	0.0		IRC2018/TPI2014				0.01				1				
BCDL	10.0										Weight: 587 lb	FT = 20%			
LUMBER				Max Uplift	35=-212 (LC 11)			TOP CH	HORD		-69/31, 1-2=-52/4	-,,			
TOP CHORD	2x6 SP No.2				37=-28 (LC 15),						56/82, 4-5=-69/10				
BOT CHORD	2x6 SP No.2				39=-48 (LC 15),							/211, 8-9=-132/27			
WEBS	2x4 SP No.3	1*		41=-49 (LC 15), 43=-18 (LC 15),	· ·	,,				-155/356, 10-11= -150/384, 12-13	,				
OTHERS	2x4 SP No.3 *Except* 55-12,54-13,53-14,52-15,51-16,50-17,49-19,				46=-29 (LC 11),						=-150/384, 14-15				
		2,44-23:2x4 SP No.2		49=-25 (LC 10),						i=-150/384, 16-17	,				
BRACING	11 20,10 21,10 1	.2, 11 20.2X1 01 110.2			51=-24 (LC 10),					17-19	=-150/384, 19-20)=-150/384,			
TOP CHORD	Structural wood	sheathing directly appli	ed or		53=-28 (LC 11),						=-150/384, 21-22				
		except end verticals, a			57=-61 (LC 14),						=-150/384, 23-24				
		6-0-0 max.): 11-24.			59=-48 (LC 14),						=-163/400, 25-26	,			
BOT CHORD	Rigid ceiling dire	ctly applied or 10-0-0 o		61=-46 (LC 14),						=-132/270, 28-29					
	bracing.			63=-77 (LC 11), 64=-39 (LC 10) Max Grav 35=182 (LC 12), 36=277 (LC 24),							29-30=-113/217, 30-31=-127/220, 31-32=-140/224, 32-33=-150/223,				
WEBS	1 Row at midpt	9-57, 10-56, 12-55			37=155 (LC 40),						=-194/267, 34-35				
		13-54, 14-53, 15-5	,		39=219 (LC 46),										
		16-51, 17-50, 19-4 20-47, 21-46, 22-4			41=234 (LC 46),										
		23-44, 25-43, 26-42			43=228 (LC 46),										
REACTIONS	(size) 35=55	-11-0, 36=55-11-0,	-		45=218 (LC 39),										
REAGNONG		-11-0, 38=55-11-0,			47=211 (LC 39), 50=176 (LC 20),										
		-11-0, 40=55-11-0,			52=210 (LC 39),						OPTESS	1775			
	41=55	-11-0, 42=55-11-0,			54=218 (LC 39),						11111 00				
		-11-0, 44=55-11-0,			56=226 (LC 42),						"TH UA	ROIL			
		-11-0, 46=55-11-0,			58=234 (LC 42),	59=236 (LC	; 42),			~	ON THESE	12/1/2			
		-11-0, 49=55-11-0, -11-0, 51=55-11-0,			60=219 (LC 42),				6	i	ALCO A	YN:			
		-11-0, 53=55-11-0,			62=219 (LC 43),	, 63=222 (LC	; 43),			5	:05	The second			
		-11-0, 55=55-11-0,			64=90 (LC 24)	<i>.</i> .									
		-11-0, 57=55-11-0,	FORCES	(Ib) - Max Tension	kimum Compressi	on/Maximum	1				SEA SEA	Li			
		-11-0, 59=55-11-0,		rension							0363	22			
		-11-0, 61=55-11-0,									: 0000	:			
62=55-11-0, 63=55-11-0, 64=55-11-0										-	No. of the second second				
	64=55 Max Horiz 64=26									21	SEA 0363	-ER. X S			
	1VIAX FIULIZ 04=20									1	S. GIN	EF. R.N			
										1	CA C	II BEIN			
											11, 7. 6				
											2001111	LT 192			

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 design rm ust 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, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	A03	Piggyback Base Supported Gable	1	1	Job Reference (optional)	153485633

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:37

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Carter Components (Sanford), Sanford, NC - 27332,

BOT CHORD	63-64=-223/163, 62-63=-223/163, 61-62=-223/163, 60-61=-223/163, 59-60=-223/163, 58-59=-223/163, 57-58=-223/163, 55-57=-223/163, 54-55=-223/163, 51-52=-223/163, 50-51=-223/163, 49-50=-223/163, 47-49=-223/163, 46-47=-223/163, 45-46=-223/163, 41-45=-223/163, 42-44=-223/163, 31-42=-223/163, 40-41=-223/163, 37-38=-223/163, 38-39=-223/163, 37-38=-223/163, 20-27=-204/00, 05-2020/100, 63-210-204/00, 05-2000/100, 63-210-204/00, 05-2000/100, 63-210-204/00, 63-210-204/00, 63-210-204/00, 63-210-204/
WEBS	$\begin{array}{l} 36\text{-}37\text{-}223/163, 35\text{-}36\text{-}223/163\\ 2\text{-}63\text{-}182/80, 3\text{-}62\text{-}181/60, 4\text{-}61\text{-}147/74, \\ 6\text{-}60\text{-}180/75, 7\text{-}59\text{-}198/71, 8\text{-}58\text{-}195/99, \\ 9\text{-}57\text{-}199/143, 10\text{-}56\text{-}187/63, \\ 12\text{-}55\text{-}141/9, 13\text{-}54\text{-}179/81, \\ 14\text{-}53\text{-}179/90, 15\text{-}52\text{-}172/54, \\ 16\text{-}51\text{-}151/48, 17\text{-}50\text{-}138/48, \\ 19\text{-}49\text{-}151/48, 20\text{-}47\text{-}172/55, \\ 21\text{-}46\text{-}179/92, 22\text{-}45\text{-}179/78, \\ 23\text{-}44\text{-}150/21, 25\text{-}43\text{-}189/72, \\ 26\text{-}42\text{-}199/142, 28\text{-}41\text{-}195/99, \\ 29\text{-}40\text{-}197/72, 30\text{-}39\text{-}180/72, \\ 31\text{-}38\text{-}123/73, 32\text{-}37\text{-}116/65, \\ 33\text{-}36\text{-}176/123 \end{array}$

NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 5-7-0 to 11-5-4, Exterior(2N) 11-5-4 to 17-5-0, Corner(3R) 17-5-0 to 28-7-3, Exterior (2N) 28-7-3 to 38-2-5, Corner(3R) 38-2-5 to 49-5-4, Exterior(2N) 49-5-4 to 55-5-4, Corner(3E) 55-5-4 to 61-2-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) Provide adequate drainage to prevent water ponding.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * 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.

13) N/A

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

LOAD CASE(S) Standard

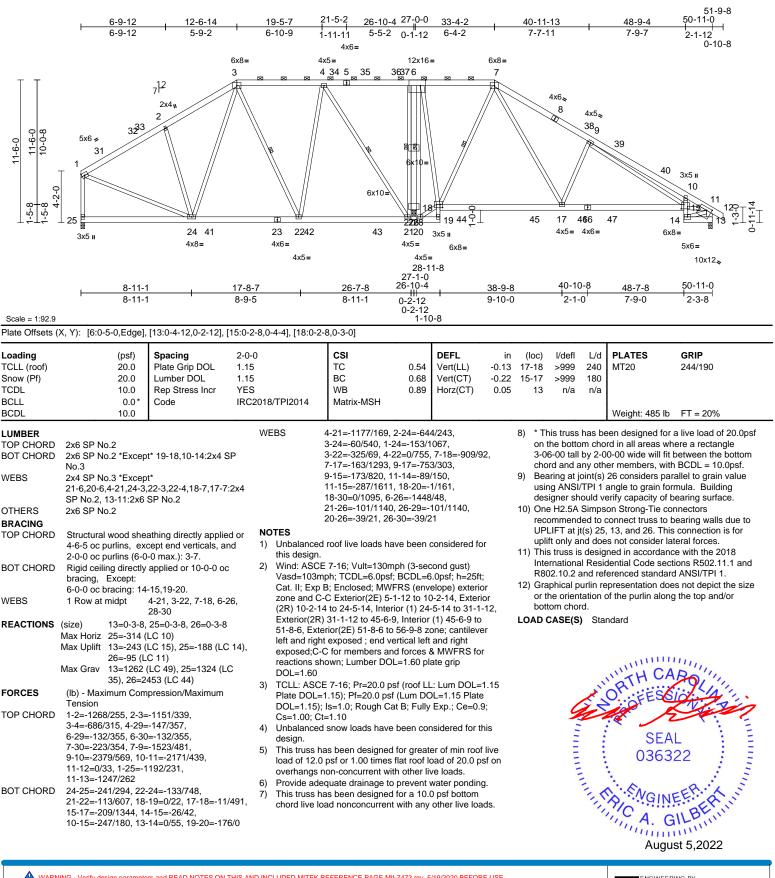


Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	B01	Piggyback Base	3	1	Job Reference (optional)	153485634

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:39 ID:peT4yLyq7XKivZjUGqMG5_zHvYw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

818 Soundside Road Edenton, NC 27932

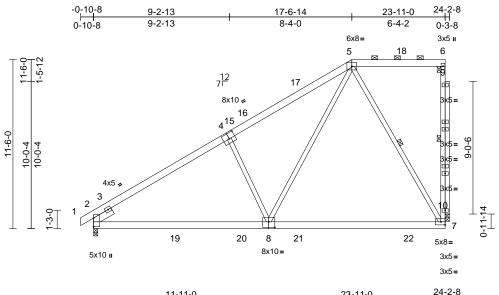
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Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	C01	Piggyback Base	5	1	Job Reference (optional)	153485635

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:40 ID:wEsxu2PHLUbbwrpGGIKVTFzhpmq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





			11-1	1-0	- 1	4	23-11-0		21	цĩ		
Scale = 1:78.4			11-11-0			12-0-0			0-3-8			
Plate Offsets (X, Y):	[4:0-5-0,0-4-8]	, [8:0-5-0,0-4-8]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.62	Vert(LL)	-0.26	7-8	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.40	7-8	>717	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	-0.05	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 199 lb	FT = 20%

TOP CHORD 2x6 SP No 2 2x6 SP No.2 BOT CHORD WEBS 2x4 SP No.2 *Except* 4-8:2x4 SP No.3 OTHERS 2x4 SP No.3 Left 2x6 SP No.2 -- 1-6-0 SLIDER BRACING TOP CHORD Structural wood sheathing directly applied or 5-8-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt 6-7 5-7 **REACTIONS** (size) 2=0-3-8, 10=0-3-8 Max Horiz 2=396 (LC 13) Max Uplift 2=-107 (LC 14), 10=-140 (LC 11) Max Grav 2=1246 (LC 40), 10=1116 (LC 24) FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/26, 2-5=-1500/232, 5-6=-159/164, 7-10=-90/1109, 6-10=-263/87 BOT CHORD 2-7=-311/1366 WFBS 5-8=-164/1246, 5-7=-1011/183, 4-8=-597/313

NOTES

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

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-6-5, Interior (1) 2-6-5 to 14-2-1, Exterior(2R) 14-2-1 to 20-11-11, Interior (1) 20-11-11 to 23-9-4 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 6) 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.
 Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building
- designer should verify capacity of bearing surface.
 10) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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

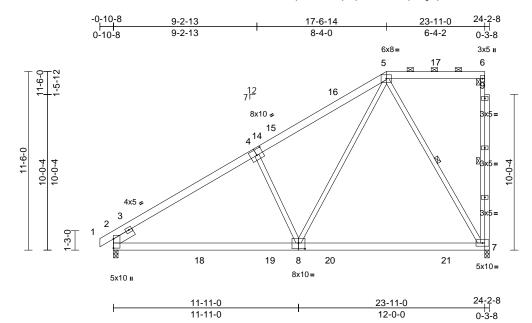




Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	C02	Piggyback Base	3	1	Job Reference (optional)	153485636

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:41 ID:wEsxu2PHLUbbwrpGGIKVTFzhpmq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Sca	، ما	- 1	.7/	1 3	2	

Plate Offsets (X, Y):	[4:0-5-0,0-4-8]	[8:0-5-0,0-4-8]

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 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	8/TPI2014	CSI TC BC WB Matrix-MSH	0.56 0.80 0.72	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.27 -0.41 0.02	(loc) 7-8 7-8 7	l/defl >999 >694 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 201 lb	GRIP 244/190 FT = 20%
	2x6 SP No.2 2x4 SP No.2 *Excep 2x4 SP No.3 Left 2x6 SP No.2 Structural wood she 5-7-13 oc purlins, e 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing.	1-6-0 athing directly applied xcept end verticals, a -0 max.): 5-6. applied or 10-0-0 oc 6-7, 5-7 7=0-3-8 C 13) C 14), 7=-135 (LC 11	nd 6) 7) 8)) 9)	Plate DOL=1 DOL=1.15); Cs=1.00; Ct Unbalanced design. This truss ha load of 12.0 overhangs n Provide aded This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Bearing at jo	7-16; Pr=20.0 psf 1.15); Pf=20.0 psf (I Is=1.0; Rough Cat =1.10 snow loads have b as been designed for psf or 1.00 times fla on-concurrent with quate drainage to p as been designed for ad nonconcurrent w has been designed n chord in all areas by 2-00-00 wide wil by other members, int(s) 7 considers p FPI 1 angle to grain	Lum DC B; Fully een cor or great at roof k other liv revent or a 10.0 //ith any for a liv for a liv for a liv where I fit betw with BC parallel 1	DL=1.15 Plate Exp.; Ce=0. Insidered for t er of min rooi bad of 20.0 p ve loads. water pondin 0 psf bottom other live loa e load of 20. a rectangle ween the bott DL = 10.0ps o grain value	e 9; his flive ssfon g. g. ads. Opsf tom					
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design	(lb) - Maximum Com Tension 1-2=0/26, 2-5=-1513 6-7=-263/87 2-7=-311/1377 5-8=-163/1248, 5-7= ed roof live loads have	pression/Maximum 3/232, 5-6=-162/164, 1012/182, 4-8=-596, been considered for	10 '313 11	designer sho) One H2.5A S recommende UPLIFT at jtt and does no) This truss is International R802.10.2 a	buld verify capacity Simpson Strong-Tie ed to connect truss (s) 2 and 7. This co t consider lateral for designed in accord Residential Code s nd referenced stan- rifin representation ation of the purlin a	of beari connectio to bear nnectio rces. lance w sections dard AN does no	ing surface. ctors ing walls due n is for uplift ith the 2018 is R502.11.1 a ISI/TPI 1. ot depict the s	only and		Contraction of the second seco	ren la	ORTH CA	

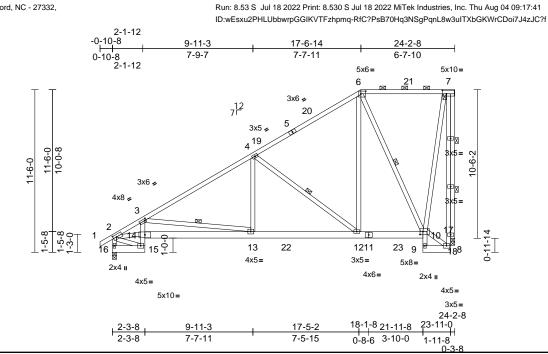
- Wind: ASCE 7-16; Vult=130mph (3-second gust)
 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 14-6-14, Exterior(2R) 14-6-14 to 20-9-4, Exterior(2E) 20-9-4 to 23-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- bottom chord.
- LOAD CASE(S) Standard



SEAL

036322

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	C03	Piggyback Base	2	1	Job Reference (optional)	153485637



Scale = 1.81.5										0-3	-8		
Plate Offsets ((X, Y): [2:0-2-14,0-2-0], [3:0-1-0,0-1-8], [6:0)-4-0,0-2-	4], [7:0-3-8,0-3	-0], [10:0-2-8,0-2-	8]							
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 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	8/TPI2014	CSI TC BC WB Matrix-MSH	0.92 0.58 0.65	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.16 0.08	(loc) 13-14 13-14 13	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 219 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS WEBS REACTIONS	2x4 SP No.2 *Excep 2x6 SP No.2 *Excep 2x4 SP No.3 *Excep 2x4 SP No.3 Structural wood she except end verticals (4-6-8 max): 6-7. Rigid ceiling directly bracing. 1 Row at midpt 2 Rows at 1/3 pts	oft* 15-3,10-9:2x4 SP t* 7-8,10-6:2x4 SP N athing directly applie , and 2-0-0 oc purlins applied or 6-0-0 oc 3-13, 4-12, 6-10 7-18 18=0-3-8 _C 14), 18=-158 (LC	lo.2 d, 3 3) 4) 14)	Vasd=103m Cat. II; Exp I zone and C- 2-6-5 to 14-2 (1) 20-11-11 exposed ; er members an Lumber DOL TCLL: ASCE Plate DOL= DOL=1.15); Cs=1.00; Ct: Unbalanced design. This truss ha load of 12.0	7-16; Vult=130m ob; TCDL=6.0psf; 3; Enclosed; MWF C Exterior(2E) -0- P-1, Exterior(2R) 1 to 23-9-4 zone; c d vertical left and d forces & MWFR =1.60 plate grip [I : 7-16; Pr=20.0 psf Is=1.0; Rough Ca =1.10 snow loads have as been designed psf or 1.00 times 1 on-concurrent witi	BCDL=6 RS (env 10-8 to 2 4-2-1 to antilever right exg. S for rea DOL=1.6 f (roof LI (Lum DC t B; Fully been con for great flat roof l	.0psf; h=25ft elope) exterio -6-5, Interior 20-11-11, Intrior 1eft and right bosed;C-C for ctions showr 0: :: Lum DOL= :: Lum DOL= =)L=1.15 Plate Exp.; Ce=0.9 asidered for the er of min roof boad of 20.0 p	or (1) erior n; 1.15 e 9; his	LOAD	CASE(S)) Sta		
FORCES	(lb) - Maximum Com Tension 1-2=0/31, 2-3=-2271 4-6=-828/66, 6-7=-1	' 1/407, 3-4=-1662/113 91/28, 8-17=-3/35,	6) 7) , 8)	This truss ha chord live loa * This truss l	quate drainage to as been designed ad nonconcurrent has been designed	for a 10.0 with any d for a liv) psf bottom other live loa e load of 20.0	ids.				muun	uun.
BOT CHORD	7-17=-3/35, 2-16=-1 15-16=-328/174, 14 3-14=-85/199, 13-14 12-13=-317/1441, 10 9-10=-17/18, 8-9=-1	-15=-105/44, 1=-785/2294, 0-12=-94/588,	9)	3-06-00 tall I chord and a Bearing at jo	n chord in all area by 2-00-00 wide w by other members int(s) 18 consider FPI 1 angle to gra	ill fit betw , with BC s paralle	veen the bott DL = 10.0ps to grain valu	f.			7/10	OPTH CA	ROLIN
WEBS 3-13=-911/472, 4-13=0/467, 4-12=-1052/277, 6-12=-85/888, 6-10=-960/195, 8-10=-16/60, 7-10=-143/998, 2-15=-18/302, 2-14=-571/1809, 7-18=-1040/164 NOTES 1) Unbalanced roof live loads have been considered for this design.			60, 10	 10) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16 and 18. This connection is for uplift only and does not consider lateral forces. 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPL 1 							ER C		
			1:		Irlin representation ation of the purlin d.			size				2011111	ILBL st 5,2022

Scale = 1:81.5

- - WARNING Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

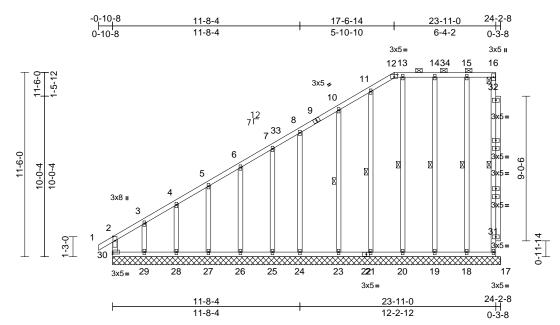


Page: 1

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	C04	Piggyback Base Supported Gable	1	1	Job Reference (optional)	153485638

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:42 ID:YRYnCOFh?hCFcyHRX82cVpzhpj9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:71.9 Plate Offsets (X, Y): [12:0-2-8,0-2-1], [22:0-2-4,0-1-8]

Loading TCLL (roof)		(psf) 20.0	Spacing Plate Grip DOL	1-11-4 1.15		CSI TC	0.45	DEFL Vert(LL)	in n/a	(lo	oc) l/def - n/a		PLATES MT20	GRIP 244/190
Snow (Pf)		20.0	Lumber DOL	1.15		BC	0.43	Vert(LL)	n/a		- n/a		101120	244/190
TCDL		10.0	Rep Stress Incr	YES		WB	0.23	Horz(CT)	-0.01		17 n/a			
BCLL		0.0*	Code		/TPI2014	Matrix-MR	0.22	11012(01)	-0.01		17 170	11/a		
BCDL		10.0	Code	11/02/010	/1712014	Wath A-With	_						Weight: 227 lb	FT = 20%
UMBER				то	P CHORD	2-30=-265/114, 1	-2=0/30,	2-3=-382/243	3,	5)	Unbalanc	ed snov	v loads have been	considered for this
TOP CHORD						3-4=-286/184, 4-5		,	,		design.			
BOT CHORD						6-7=-228/142, 7-8		,	3/137,					reater of min roof liv
WEBS			ot* 16-17:2x4 SP No.:	2		10-11=-190/160,		,						of load of 20.0 psf
OTHERS		lo.3 *Excep				12-13=-152/180,		,					oncurrent with oth	
	21-11,20	-13,19-14,1	18-15:2x4 SP No.2			14-15=-152/180,	10-10=-1	52/180,						ent water ponding.
BRACING				PO	T CHORD	16-17=-78/80 29-30=-151/178, 3	20 20- 1	51/179					MT20 unless oth	
TOP CHORD			athing directly applie	u 01		29-30=-151/178, 27-28=-151/178, 2							ontinuous bottom	
			cept end verticals, ar	d		25-26=-151/178,		,						.e. diagonal web).
)-0 max.): 12-16.			23-24=-151/178, 2							ed at 2-0-0 oc.	.c. diagonal web).
BOT CHORD	Rigid ceil bracing.	ling directly	applied or 10-0-0 oc			20-21=-151/178,							en designed for a	10.0 psf bottom
WEBS	1 Row at	midnt	16-17, 10-23, 11-21			18-19=-151/178, 17-18=-151/178								any other live loads
WLD3	T NOW at	mupt	13-20, 14-19, 15-18	WE	BS	10-23=-201/87, 1								a live load of 20.0p
REACTIONS		17-24.2	8, 18=24-2-8, 19=24-	2 0		13-20=-144/85, 1		,		,	on the bo	tom cho	ord in all areas wh	ere a rectangle
REACTIONS	(3126)		8, 21=24-2-8, 23=24-			15-18=-170/74, 8		,	,					between the bottom
			8, 25=24-2-8, 26=24-	,		4-28=-119/49, 3-2	29=-178/1	93, 6-26=-12	25/72,		chord and	any ot	her members, with	n BCDL = 10.0psf.
			8, 28=24-2-8, 29=24-	2-8.		7-25=-123/63								
		30=24-2-	8		TES									
	Max Horiz	30=396 (LC 11)	1)		d roof live loads ha	ve been	considered fo	r					
	Max Uplift		_C 11), 18=-29 (LC 10		this design									111.
			_C 10), 20=-59 (LC 1	ı), '		E 7-16; Vult=130m nph; TCDL=6.0psf;							N'LL CA	Dille
			_C 14), 23=-60 (LC 14			B; Enclosed; MWI							"ATH UA	ROIL
			C 14), 25=-44 (LC 1			C-C Corner(3E) -0-						N	OTIESS	a All
			_C 14), 27=-61 (LC 14 (LC 14), 30=-161 (LC			12 to 14-6-14, Corn						23	COPLE	Ni Zi
	Max Gray		C 35), 18=209 (LC 35) 20-9-4 to 23-9-4 z					4	V	:0	my .
	Wax Grav		LC 35), 18=209 (LC 3) LC 35), 20=188 (LC 3)		right expos	ed ; end vertical let	ft and rigl	nt exposed;C	-C			2	£2	
			LC 40), 23=289 (LC 4			rs and forces & MV			own;			=	: SEA	L : :
		(LC 40), 25=177 (LC 4	0).		DL=1.60 plate grip I							0363	22
			LC 24), 27=196 (LC 4			igned for wind load						3	: 0303	
			LC 25), 29=304 (LC 4	0),		studs exposed to wi						-	N.	1 2
		30=369 (LC 11)			ard Industry Gable						-	A. En	Riki
FORCES	(lb) - Max	kimum Con	npression/Maximum	4)		er(3E) 20-9-4 to 23-9-4 zone; cantilever left and exposed ; end vertical left and right exposed;C-C nembers and forces & MWFRS for reactions shown; ber DOL=1.60 plate grip DOL=1.60 is designed for wind loads in the plane of the truss For studs exposed to wind (normal to the face), Standard Industry Gable End Details as applicable, insult qualified building designer as per ANSI/TPI 1. .: ASCE 7-16; Pr=20.0 psf (coof LL: Lum DOL=1.15 9 DOL=1.15); Pf=20.0 psf (com DOL=1.15 Plate =1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; I.00; Ct=1.10					EF			
	Tension			+)		=1.15); Pf=20.0 psf						1	C	IL BE IN
						; ls=1.0; Rough Ca							11, A. G	ILLIN
				Cs=1.00; 0		, . any	, 00=0.	-,				10000	um.	
													Augu	at E 2022

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, eraction and bracing of trusses and truss systems. See ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	C04	Piggyback Base Supported Gable	1	1	Job Reference (optional)	153485638

- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 161 lb uplift at joint 30, 16 lb uplift at joint 17, 60 lb uplift at joint 23, 30 lb uplift at joint 21, 59 lb uplift at joint 20, 30 lb uplift at joint 19, 29 lb uplift at joint 18, 51 lb uplift at joint 24, 61 lb uplift at joint 27, 274 lb uplift at joint 29, 47 lb uplift at joint 26 and 44 lb uplift at joint 25.
- 15) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	D01	Common	10	1	Job Reference (optional)	153485639

6-0-8<mark>7-2-8</mark>

1-2-01-2-0

3x5= 3 2x4=

2x4=

4-10-8

4-5-0

7¹² 2

0-5-8

0-5-8

3x5 🖌

12

Carter Components (Sanford), Sanford, NC - 27332

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TCDL

BCLL

BCDL

WEBS

WEBS

FORCES

WEBS

NOTES

1)

2)

OTHERS

BRACING

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:43 ID:hg1nARRf3XQLyMCQmLzcLCytwNU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3x5

5

10-1-0

2-10-8

Page: 1

GRIP

244/190

187/143

FT = 20%

7-4-15 5-0-11 3-10-11 4-5-4 -9ß 8 Ř 13 7 14 6 3x6= 2x4 u 5x8 II MT20HS 8x12 = 2x4 II 3x10= 0-2-12 5-0-8 10-1-0 0-2-12 4-9-12 5-0-8 Scale = 1:57.2 Plate Offsets (X, Y): [3:0-2-8,Edge], [8:0-6-8,Edge], [10:0-4-0,0-2-4] Spacing 2-0-0 CSI DEFL in l/defl L/d PLATES (psf) (loc) 20.0 Plate Grip DOL 1.15 тс 0.71 Vert(LL) -0.05 >999 240 MT20 7 20.0 Lumber DOL 1.15 BC 0.45 Vert(CT) -0.16 7 >737 180 MT20HS 10.0 Rep Stress Incr WB Horz(CT) 6 YES 0.40 0.00 n/a n/a 0.0 Code IRC2018/TPI2014 Matrix-MSH 10.0 Weight: 78 lb 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 2x4 SP No.2 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate TOP CHORD BOT CHORD 2x6 SP No.2 DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10 2x4 SP No.3 *Except* 8-1:2x6 SP No.2 2x4 SP No.3 *Except* 6-5:2x6 SP No.2 4) Unbalanced snow loads have been considered for this desian. 5) 200.0lb AC unit load placed on the bottom chord, 5-1-8 TOP CHORD Structural wood sheathing directly applied or from left end, supported at two points, 5-0-0 apart. 6-0-0 oc purlins, except end verticals. All plates are MT20 plates unless otherwise indicated. 6) BOT CHORD Rigid ceiling directly applied or 6-0-0 oc This truss has been designed for a 10.0 psf bottom 7) bracing. chord live load nonconcurrent with any other live loads. 1 Row at midpt 9-10 * This truss has been designed for a live load of 20.0psf 8) REACTIONS 6=0-3-8, 8=0-3-8 (size) on the bottom chord in all areas where a rectangle Max Horiz 8=-343 (LC 14) 3-06-00 tall by 2-00-00 wide will fit between the bottom Max Grav 6=555 (LC 23), 8=553 (LC 22) chord and any other members. (Ib) - Maximum Compression/Maximum 9) Bearing at joint(s) 8, 6 considers parallel to grain value Tension using ANSI/TPI 1 angle to grain formula. Building TOP CHORD 1-2=-352/170, 2-3=-258/83, 3-4=-281/140, designer should verify capacity of bearing surface. 4-5=-301/179, 8-9=-392/162, 1-9=-382/171, 10) This truss is designed in accordance with the 2018 6-10=-361/164, 5-10=-350/174 International Residential Code sections R502.11.1 and BOT CHORD 7-8=-157/429. 6-7=-157/429 R802.10.2 and referenced standard ANSI/TPI 1. 9-11=-378/341, 10-11=-378/341, LOAD CASE(S) Standard 2-4=-117/150, 7-11=0/34 C Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; SEAL Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 036322

zone and C-C Exterior(2E) 4-9-1 to 7-9-1, Interior (1) 7-9-1 to 10-6-13, Exterior(2R) 10-6-13 to 13-6-13, Interior (1) 13-6-13 to 14-4-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

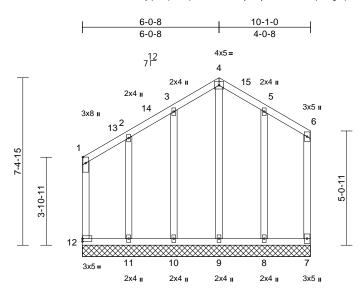


G mm August 5,2022 VIIIIIIIIIIII

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	D02	Common Supported Gable	1	1	Job Reference (optional)	153485640

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:43 ID:yrp0AqPHvIqMNFbYFMtbvNytwKy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.70	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.33	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 79 lb	FT = 20%

10-1-0

TOP CHORD	2x4 SP N	0.2				
BOT CHORD	2x4 SP N	0.2				
WEBS	2x4 SP N	0.3				
OTHERS	2x4 SP N	0.3				
BRACING						
TOP CHORD		I wood sheathing directly applied or purlins, except end verticals.				
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.					
REACTIONS	(size)	7=10-1-0, 8=10-1-0, 9=10-1-0, 10=10-1-0, 11=10-1-0, 12=10-1-0				
	Max Horiz					
		. ,				
	Max Oplin	7=-141 (LC 11), 8=-178 (LC 10),				
		9=-27 (LC 13), 10=-45 (LC 14), 11=-307 (LC 11), 12=-225 (LC 10)				
	Max Grav					
	Wax Glav	9=170 (LC 27), 10=243 (LC 20),				
		11=397 (LC 12), 12=299 (LC 13)				
FORCES	(lb) - Max	imum Compression/Maximum				
	Tension					
TOP CHORD	1-12=-16	0/119, 1-2=-150/123, 2-3=-120/190,				
	3-4=-154/	/256, 4-5=-152/252, 5-6=-128/191,				
	6-7=-116/	/167				
BOT CHORD	11-12=-10	08/90, 10-11=-108/90,				
	9-10=-108	8/90, 8-9=-108/90, 7-8=-108/90				
WEBS	4-9=-159/	/51, 3-10=-204/107, 2-11=-221/174,				
	5-8=-223/	/97				

NOTES

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

Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-1-12 to 3-1-12, Corner(3R) 3-1-12 to 6-11-4, Corner(3E) 6-11-4 to 9-11-4 zone; cantilever left and right exposed : end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing. 6)

Truss to be fully sheathed from one face or securely 7) 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.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 12, 141 lb uplift at joint 7, 27 lb uplift at joint 9, 45 lb uplift at joint 10, 307 lb uplift at joint 11 and 178 lb uplift at joint 8.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



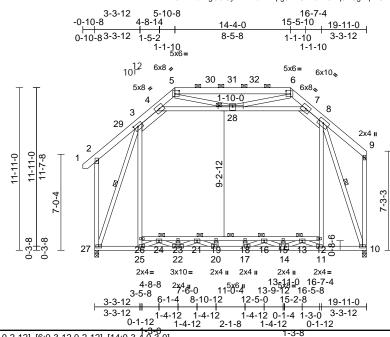
818 Soundside Road Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 system. See MSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	G01	Attic	4	1	Job Reference (optional)	153485641

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:44 ID:wN9MV2a7ngO0fSyKmTVeHIzhpg9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:84.4

Scale = 1:84.4					1-4-12	2-1-8	1-4-12	0-1-1	2				
Plate Offsets (>	K, Y): [3:0-3-8,0-2-4],	, [5:0-3-12,0-2-12], [6:	0-3-12,0-	2-12], [14:0-3-4	4,0-3-0]		1-3-	-8					
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 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	8/TPI2014	CSI TC BC WB Matrix-MSH	0.73 0.96 0.79	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	in -0.23 -0.38 0.06 -0.20	(loc) 18-19 18-19 10 12-26	l/defl >999 >624 n/a >795	L/d 240 180 n/a 360	PLATES MT20 Weight: 239	GRIP 244/190 Ib FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.3 *Excep No.2, 3-4,7-8:2x6 SF Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (4-1	eathing directly applied cept end verticals, an 10-14 max.): 5-6. v applied or 10-0-0 oc	SP I or d N (OTES Unbalanced this design.	25-26=0/858, 3-2 8-12=0/1031, 8-1 7-28=-539/493, 3 11-13=-1440/0, 2 13-14=0/1093, 22 22-23=-160/0, 14 16-17=-15/617, 2 19-20=-197/0, 6-2 roof live loads ha 7-16; Vult=130m	0=-1624/4 -27=-160 4-25=-14: 2-24=0/11 -16=-893, 0-21=0/5 28=-212/4 we been o	31, 4-28=-502 8/59, 59/0, 25, 14-15=-1 (0, 21-22=-86 90, 17-18=-20 10, 5-28=-18 considered fo	2/547, 92/0, 7/0, 04/0, 8/407	7-2 11) Bot cho 23- 12) This Inte R80 13) Gra or t	8; Wall tom choi ord dead 24, 21-2 s truss is ernationa 02.10.2 a aphical p	dead lo rd live load (3, 19-2 s desig al Resid and ref urlin re tation o	bad (5.0psf) o load (40.0 psf 5.0 psf) applie 21, 18-19, 16- ined in accord dential Code s ferenced stance presentation	n member(s). 3-4, 7-8, 4-28, n member(s).3-26, 8-12) and additional bottom d only to room. 24-26, 18, 15-16, 13-15, 12-13 ance with the 2018 sections R502.11.1 and Jard ANSI/TPI 1. does not depict the size ong the top and/or
	3-9-0 oc bracing: 21 3-11-0 oc bracing: 1 10-0-0 oc bracing: 1 10-0-0 oc bracing: 2 1 Row at midpt 1 Brace at Jt(s): 13, 24, 16, 21, 28 (size) 10=0-3-8, Max Horiz 27=358 (I Max Grav 10=1500 (lb) - Maximum Com 1-2=0/52, 2-3=-314/ 4-5=-1003/346, 5-6= 7-8=-661/162, 8-9=- 9-10=-358/238 25-27=-91/548, 22-2	-24 3-16 24-26, 12-13 8-10, 3-27 , 27=0-3-8 LC 13) (LC 46), 27=1572 (LC apression/Maximum 273, 3-4=-660/148, -983/117, 6-7=-973/3 -291/232, 2-27=-467/2 25=-5/1654, 0=0/3867, 11-17=0/33 26=-95/227, 23=-2165/0, 19=-3446/0, 16=-2115/0,	; 46) ³⁾ 39, ⁴⁾ ^{54, 5)}	Vasd=103mp Cat. II; Exp E zone and C- 2-3-11 to 16- cantilever lef right exposed for reactions DOL=1.60 TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced design. This truss ha load of 12.0 overhangs n Provide adec All plates are This truss ha chord live loa * This truss ha the bottor 3-06-00 tall th	bh; TCDL=6.0psf 3; Enclosed; MWW C Exterior(2E) -0. -7-4, Exterior(2E) t and right expos d;C-C for membe shown; Lumber I = 7-16; Pr=20.0 psf Is=1.0; Rough Ca	BCDL=6 FRS (env. -8-5 to 2-1 16-7-4 tc ed; end v rs and for DOL=1.6(sf (roof LL (Lum DC at B; Fully been cor for great flat roof lk th other lin prevent v s otherwi for a 10.4 with any dif a liv as where vill fit betw	.0psf, h=25ft; elope) exteric 3-11, Exterior 19-9-4 zone vertical left an cces & MWFR 0 plate grip .: Lum DOL= 0L=1.15 Plate Exp.; Ce=0.5 asidered for th er of min roof pad of 20.0 p; ve loads. water ponding se indicated. 0 psf bottom other live loa e load of 20.0 a rectangle	or (2R) ; dd SS 1.15 ; ; his live sf on g. ds. Opsf	14) Atti	c room c CASE(S)	checke) Sta	ORTH C	AL SIZE SIZE NEFERENTION

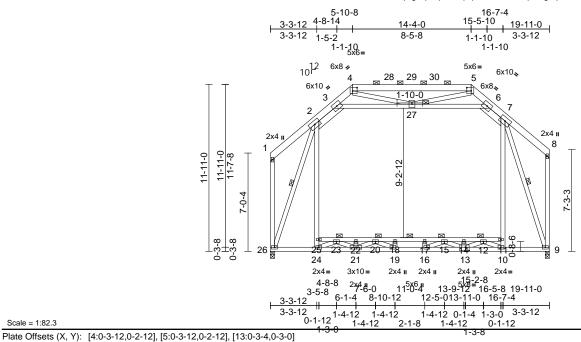
August 5,2022

AMITEK Atfiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type		Ply	DRB GROUP - 121 FaNC				
22080003	G02	Attic	6	1	Job Reference (optional)	153485642			

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:45 ID:PwMtYSc3X5EpzgXspX1pmRzhpep-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



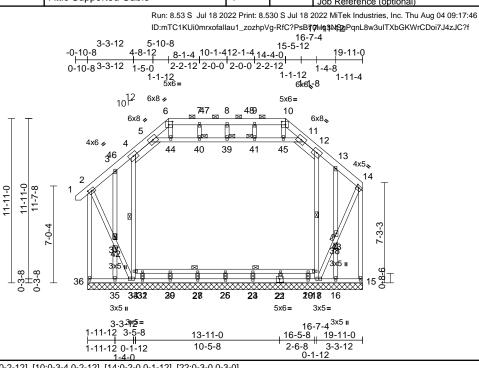
Scale = 1:82.3

	(, 1): [4:0 8 12;0 2 1	2], [0:0 0 12,0 2 12],	[10.0 0	4,0 0 0j									
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 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	18/TPI2014	CSI TC BC WB Matrix-MSH	0.73 0.96 0.79	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	-0.38 0.06	17-18 17-18 9	l/defl >999 >623 n/a >795	L/d 240 180 n/a 360	PLATES MT20 Weight: 237 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x6 SP No.2 2x4 SP No.2 *Excep 2x4 SP No.3 *Excep No.2, 2-3,6-7:2x6 SF Structural wood sher 6-0-0 oc purlins, exc 2-0-0 oc purlins (4-1	t* 2-24,7-10,3-6:2x4 P No.2 athing directly applie cept end verticals, ar	1 SP d or nd		24-25=0/857, 2-25= 7-11=0/1031, 7-9=- 5-27=-542/490, 2-2 10-12=-1440/0, 23- 12-13=0/1093, 21-2 21-22=-160/0, 13-1 15-16=-10/618, 19- 18-19=-197/0, 4-27	1622/7 6=-159 24=-14 23=0/11 5=-894 20=0/5	1, 3-27=-501/ 2/70, 59/0, 25, 13-14=-1 ⁄0, 20-21=-86 36, 16-17=-20	/546, 92/0, 67/0, 04/0,	cho 22- 11) This Inte R80 12) Gra or t	rd dead 23, 20-2 s truss is rnationa)2.10.2 a phical p	load (2, 18-2 s desig al Resid and ref urlin re tation o	5.0 psf) applied o 20, 17-18, 15-17, ned in accordanc dential Code sect erenced standard	tions R502.11.1 and d ANSI/TPI 1. es not depict the size
BOT CHORD	Rigid ceiling directly bracing. Except: 2-10-0 oc bracing: 1: 3-9-0 oc bracing: 20 3-11-0 oc bracing: 1: 10-0-0 oc bracing: 2	applied or 10-0-0 oc 5-20 -23 2-15		 this design. Wind: ASCE Vasd=103mp Cat. II; Exp E zone and C-0 	roof live loads have 7-16; Vult=130mpl bh; TCDL=6.0psf; E 3; Enclosed; MWFF C Exterior(2E) 0-1-	h (3-seo 3CDL=6 RS (env 12 to 3-	cond gust) .0psf; h=25ft elope) exterio 3-12, Exterio	; or ır	13) Atti LOAD (d for L/360 defleo ndard	xtion.
WEBS JOINTS REACTIONS	1 Brace at Jt(s): 12, 23, 15, 20, 27	7-9, 2-26		(2R) 3-3-12 to 16-7-4, Exterior(2E) 16-7-4 to 19-9-4 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate									
	Max Horiz 26=347 (L Max Grav 9=1501 (L	_C 11)	45) 3		60 : 7-16; Pr=20.0 psf .15); Pf=20.0 psf (I								117
FORCES	(lb) - Maximum Com Tension	pression/Maximum		DOL=1.15);	ls=1.0; Rough Cat							"TH CA	RO
TOP CHORD	1-2=-301/227, 2-3=- 4-5=-982/118, 5-6=- 7-8=-288/234, 1-26=	972/342, 6-7=-662/1	47, 7	design.	snow loads have b					4	I. I.	OPTEE8S	A AND
BOT CHORD	24-26=-88/547, 21-2 19-21=0/3363, 16-19 9-10=-68/531, 23-25 22-23=-2166/0, 20-2 18-20=-3446/0, 17-1 15-17=-3446/0, 14-1 12-14=-2085/0, 11-1	9=0/3868, 10-16=0/3 5=-98/223, 22=-2166/0, 8=-3446/0, 5=-2114/0,	6 346, 7 8	 All plates are This truss ha chord live loa * This truss f on the bottor 3-06-00 tall b chord and ar Ceiling dead 	Provide adequate dramage to prevent water ponding. All plates are 3x5 MT20 unless otherwise indicated. 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. Ceiling dead load (5.0psf) on member(s). 2-3, 6-7, 3-27, 6-27; Wall dead load (5.0psf) on member(s).2-25, 7-11							EER. KIN	



August 5,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	G03	Attic Supported Gable	1	1	Job Reference (optional)	153485643



Scale = 1:83.5

Plate Offsets (X, Y): [2:0-2-14,0-2-0], [6:0-3-4,0-2-12], [10:0-3-4,0-2-12], [14:0-2-0,0-1-12], [22:0-3-0,0-
--

1-0

Loading		(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)		20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf)		20.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999			
TCDL		10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	-0.01	15	n/a	n/a			
BCLL		0.0*	Code	IRC2018/TPI2014	Matrix-MSH									
BCDL		10.0										Weight: 236 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No	.2	t* 5-11:2x4 SP No.2,	TOP CHORD	2-36=-411/283, 1 3-4=-169/234, 4- 6-7=-903/243, 7- 9-10=-903/243, 1	5=-367/24 8=-903/24	8, 5-6=-994/2 3, 8-9=-903/2	267,	∕ Va Ca	sd=103m t. II; Exp	nph; TC B; Enc	losed; MWFRS (-second gust) IL=6.0psf; h=25ft; envelope) exterior 2-3-11, Exterior(2N)	
	4-5,11-12:2	2x6 SP No			11-12=-371/248, 12-13=-176/229, 2-3-11 to 2-10-8, Corner(3R) 2-10-8 to 8-10-8, I									
OTHERS	2x4 SP No	.3		BOT CHORD	13-14=-178/192, 14-15=-359/257 (2N) 8-10-8 to 11-4-0, Corner(3R) 11-4-0 to 10 D 35-36=-300/262, 34-35=-299/262, Corner(3E) 16-7-4 to 19-9-4 zone; cantilever l									
BRACING TOP CHORD	6-0-0 oc pi	urlins, exc	athing directly applied cept end verticals, ar -0 max.): 6-10.	d or	32-34=-192/143, 30-32=-192/143, right exposed ; end vertical left and right exp 28-30=-192/143, 26-28=-192/143, for members and forces & MWFRS for react 24-26=-192/143, 20-24=-192/152, Lumber DOL=1.60 plate grip DOL=1.60								right exposed;C-C for reactions shown; 1.60	
BOT CHORD	Rigid ceilin bracing, E 6-0-0 oc br	ng directly Except: racing: 34-	applied or 10-0-0 oc -35.		17-20=-189/152, 15-16=-95/115, 3 27-29=-4/11, 25- 21-23=-4/11, 19-	81-33=-4/1 27=-4/11, 21=-8/5, 1	1, 29-31=-4/ 23-25=-4/11 8-19=-8/5	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.						
WEBS JOINTS					3-37=-100/76, 31-32=-98/0, 29-30=-120/0, 27-28=-115/0, 25-26=-116/0, 23-24=-116/0, 21-22=-119/0, 19-20=-100/0, 16-38=-129/83, 5-44=-162/772, 40-44=-166/790,						1.15);			
REACTIONS											l snow	w loads have been considered for this		
		15=-274 (l 17=-254 (l	.C 13) LC 11), 16=-32 (LC 1 LC 10), 34=-328 (LC C 14), 36=-297 (LC 1	^{11),} NOTES	14-43=-277/318, 13-43=-130/84, 6	6-44=-53/1	57, 10-45=-5							
	Max Grav	15=396 (L 17=347 (L 22=238 (L 26=234 (L 30=239 (L	.C 47), 16=191 (LC 5 .C 50), 20=202 (LC 2 .C 21), 24=229 (LC 2 .C 21), 28=230 (LC 2 .C 21), 32=194 (LC 2 .C 21), 32=194 (LC 2 .C 48), 35=161 (LC 4	(1), (1) Onbalance (0), this design (1), (1), (1), (1),	ed roof live loads have been considered for n.					SEAL 036322 A. GILBERT August 5,2022				
FORCES	(lb) - Maxir Tension	num Com	pression/Maximum								A. G. A. G. Augu	st 5,2022		

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Page: 1

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	150 4050 40
22080003	G03	Attic Supported Gable	1	1	Job Reference (optional)	153485643

- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 13) * 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.
- 14) Ceiling dead load (5.0 psf) on member(s). 4-5, 11-12, 5-44, 40-44, 39-40, 39-41, 41-45, 11-45; Wall dead load (5.0psf) on member(s).33-34, 4-33, 17-18, 12-18
- 15) N/A
- 16) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 18) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

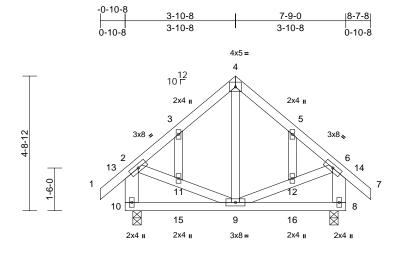
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Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	H01	Common	1	1	I53485644 Job Reference (optional)	

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:47 ID:odQRt_LKkd3VzU9QYSTuUUzhpTY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:40.5

		1			1		· · · · ·					i	
Loading	(psf)	Spacing	1-11-4		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.24	Vert(LL)	0.01	8-9	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.12	Vert(CT)	-0.01	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.28	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-MSH								
BCDL	10.0											Weight: 58 lb	FT = 20%
LUMBER			3)	Truss desid	ned for wind loads	s in the p	lane of the tr	uss					
TOP CHORD	2x4 SP No.2		- /		uds exposed to wi								
BOT CHORD	2x4 SP No.2			see Standar	d Industry Gable E	End Deta	ils as applica	able,					
WEBS	2x4 SP No.3 *Excep	ot* 10-2,8-6:2x6 SP N	lo.2		ualified building de								
OTHERS	2x4 SP No.3		4)		E 7-16; Pr=20.0 ps								
BRACING					1.15); Pf=20.0 psf								
TOP CHORD	Structural wood she	athing directly applie	ed or		Is=1.0; Rough Ca	t B; Fully	' Exp.; Ce=0.	9;					
	6-0-0 oc purlins, ex	cept end verticals.	5)	Cs=1.00; Ct	snow loads have	h		la la					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	5)	design.	Show loads have	been co		1115					
	bracing.	6) This truss has been designed for greater of min roof live											
REACTIONS	(size) 8=0-3-8, 1	10=0-3-8	0)		psf or 1.00 times								
	Max Horiz 10=-135 (,			ion-concurrent wit								
	Max Uplift 8=-36 (LC	<i>,,</i>	· /)		fully sheathed from			v					
	Max Grav 8=462 (LC	C 22), 10=462 (LC 2 ⁻	1) ''		nst lateral moveme								
FORCES	(lb) - Maximum Com	pression/Maximum	8)	Gable studs	spaced at 2-0-0 o	c.		,					
	Tension		9)	This truss ha	as been designed	for a 10.	0 psf bottom						
TOP CHORD	1-2=0/53, 2-3=-289/2			chord live lo	ad nonconcurrent	with any	other live loa	ads.					
	4-5=-204/303, 5-6=-		10		has been designe			.0psf					
	2-10=-428/319, 6-8=				m chord in all area		0						
BOT CHORD	9-10=-120/133, 8-9=				by 2-00-00 wide w		veen the bott	tom					
WEBS	4-9=-252/105, 2-11=	,	,		ny other members								
	9-12=-52/126, 6-12=	-46/126, 3-11=-55/3	11, 11		Simpson Strong-T							, mmm	UIII.
	5-12=-55/34				ed to connect trus							WITH CA	Rall
NOTES					(s) 10 and 8. This			It			1	alriv	01/11
 Unbalance 	ed roof live loads have	been considered for	r	only and do	es not consider lat	eral force	es.				<u> </u>	ON HERE	ica A.

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; 2) Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 1-10-8, Exterior (2R) 1-10-8 to 5-10-8, Exterior(2E) 5-10-8 to 8-7-8 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

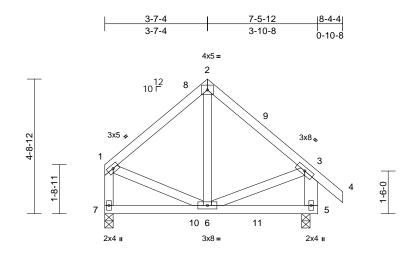
LOAD CASE(S) Standard

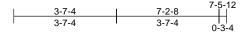




Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	H02	Common	3	1	I53 Job Reference (optional)	3485645

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Scale = 1:40.5

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MP	0.41 0.15 0.08	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.01 -0.01 0.00	(loc) 5-6 5-6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 49 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins, exe	athing directly applied cept end verticals. applied or 10-0-0 oc (=0-3-8 C 10) 15), 7=-25 (LC 10) C 22), 7=373 (LC 21)	5) 6) or 7) 8) 9)	load of 12.0 overhangs n This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar One H2.5A S recommende UPLIFT at jt(and does no This truss is	is been designed f psf or 1.00 times fl on-concurrent with as been designed f ad nonconcurrent v nas been designed n chord in all area by 2-00-00 wide wi yy other members. Simpson Strong-Ti ad to connect truss s) 7 and 5. This co t consider lateral for designed in accorn Residential Code	lat roof k n other lin for a 10. with any d for a liv s where ill fit betw e conne s to bear onnectio orces. dance w	bad of 20.0 p ve loads. D psf bottom other live load e load of 20.1 a rectangle veen the bott ctors ing walls due n is for uplift	sf on ads. Opsf om to only					

R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Tension TOP CHORD 1-2=-262/274, 2-3=-285/276, 3-4=0/42, 1-7=-347/280, 3-5=-408/324 BOT CHORD 6-7=-118/123, 5-6=-23/25 2-6=-203/97, 1-6=-112/142, 3-6=-37/139

WEBS

- NOTES
- Unbalanced roof live loads have been considered for 1) this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Exterior (2R) 3-1-12 to 5-4-4, Exterior(2E) 5-4-4 to 8-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 3) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1 00. Ct=1 10
- 4) Unbalanced snow loads have been considered for this design.

MITTI CAR С Varmonter AMALINITY . SEAL 036322 G mmm August 5,2022

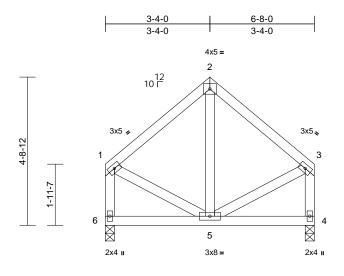


Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	H04	Common	3	1	Job Reference (optional)	

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Page: 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	0.31	Vert(LL)	0.01	5-6	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.01	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 44 lb	FT = 20%

LOWIDER	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 4=0-3-8, 6=0-3-8
	Max Horiz 6=-122 (LC 10)
	Max Uplift 4=-28 (LC 11), 6=-28 (LC 10)
	Max Grav 4=321 (LC 21), 6=321 (LC 20)
FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=-213/235, 2-3=-213/235, 1-6=-296/248, 3-4=-296/248
BOT CHORD	5-6=-114/109, 4-5=-29/32
WEBS	2-5=-157/70, 1-5=-80/117, 3-5=-80/117
NOTES	

Scale - 1:36 7

- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 7) One H2.5A Simpson Strong-Tie connectors
- recommended to connect truss to bearing walls due to UPLIFT at it(s) 6 and 4. This connection is for uplift only and does not consider lateral forces. This truss is designed in accordance with the 2018 8)
- International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



818 Soundside Road Edenton, NC 27932

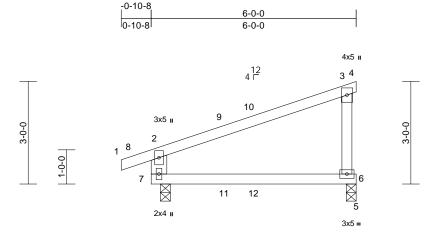
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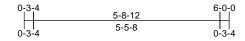
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 4) design.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	J01	Monopitch	6	1	Job Reference (optional)	153485647

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Page: 1





Scale = 1:33.7

					-							
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	0.75	Vert(LL)	0.09	6-7	>714	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	0.08	6-7	>879	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 25 lb	FT = 20%
LUMBER				s has been designed								
TOP CHORD				e load nonconcurrent								
BOT CHORD		11 7 0.0.0 OD N- 0	,	uss has been designe ottom chord in all are			ST					
WEBS	2x4 SP No.3 *Except	ot" 7-2:2x6 SP NO.2		tall by 2-00-00 wide v			n					
BRACING		athing directly oppli	also and a	nd any other members		ween the botton						
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex		7) One H2	5A Simpson Strong-T	Tie conne							
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	UPLIFT	ended to connect trus at jt(s) 6 and 7. This s not consider lateral	connectio							
REACTIONS	()		8) This tru	s is designed in acco	ordance w							
	Max Horiz 7=109 (L Max Uplift 6=-92 (L0	,	<u>^</u>	onal Residential Code			d					
	Max Opint 6=-92 (LC Max Grav 6=322 (L	<i>,,</i>	1) 1002.10	 2 and referenced state 5 Standard 	andard Al	NSI/TPI 1.						
FORCES	(lb) - Maximum Con	npression/Maximum	LOAD CAS	-(3) Stanuaru								
	Tension 1-2=0/28, 2-3=-177/	420 2 4 8/0										
TOP CHORD	3-6=-239/164, 2-7=											
BOT CHORD	6-7=-96/95, 5-6=0/0)										
NOTES												
1) Wind: AS	CE 7-16; Vult=130mpl	n (3-second gust)										
	Bmph; TCDL=6.0psf; B										OR ES	
	p B; Enclosed; MWFR										minin	11111
	C-C Exterior(2E) -0-10		(1)								WH CA	ROUL
	-0-0, Exterior(2E) 3-0- left and right exposed		ad							N	R	Chille -
	sed; porch left and rig		iu							1.	O'.FES	toiz Ville
	and forces & MWFRS		n:						6	15	the 1	City
	OL=1.60 plate grip DC		-,						-		.0	K
	CE 7-16; Pr=20.0 psf		1.15						-	:	SEA	1 1 =
	_=1.15); Pf=20.0 psf (L								Ξ			• •
	5); Is=1.0; Rough Cat I	B; Fully Exp.; Ce=0.9	9;								0363	22 : 3
Cs=1.00;		on onnoidered for th	hio						-	2		1 2
 Unbalance design. 	ed snow loads have b	een considered for t	1115						THUNK	5	·	all S
0	has been designed fo	r areater of min roof	f live							25	S VGIN	EFICAN
	2.0 psf or 1.00 times fla									11	10	BEIN
overhangs	s non-concurrent with	other live loads.									11, A. C	il- un
											A. C.	11111,

- Unbalanced snow loads have been considered for this 3) design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. 4)

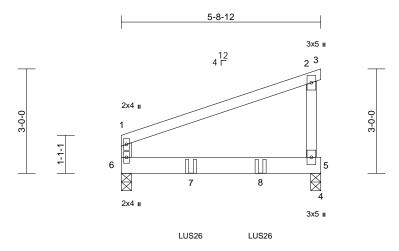
818 Soundside Road Edenton, NC 27932

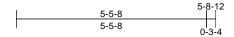
GI 11111111 August 5,2022

ſ	Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
	22080003	J02	Monopitch Girder	1	2	Job Reference (optional)	153485648

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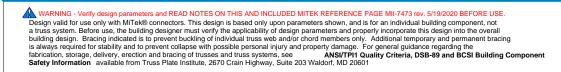






Scale = 1:33.1

Loading (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Plate Grip DOL 1.1 Lumber DOL 1.1 Rep Stress Incr NC	15	CSI TC BC WB Matrix-MR	0.48 0.36 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.04 0.00	(loc) 5-6 5-6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 53 lb	GRIP 244/190 FT = 20%
5-8-12 oc purlins, e	applied or 10-0-0 oc 3=0-3-8 32) C 8), $6=-87$ (LC 8) C 18), $6=607$ (LC 18) pression/Maximum 70, 2-5=-225/73, 0 ther as follows: (0.131"x3") nails as 100, (0.131"x3") nails as 100, (0.131"x	 Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= 5) Unbalanced design. 6) This truss ha chord live loa 7) * This truss ha on the bottom 3-06-00 tall b chord and ar 8) One H2.5A S recommende UPLIFT at jt(and does not 9) This truss is International R802.10.2 at 10) Use Simpsor Truss, Single oc max. start connect truss 11) Fill all nail hoi LOAD CASE(S) 1) Dead + Snc Increase=1. Uniform Loa Vert: 1-2: Concentrate 	snow loads have b s been designed f ad nonconcurrent v ias been designed n chord in all areas by 2-00-00 wide wi y other members. Simpson Strong-Tie d to connect truss s) 5 and 6. This cc consider lateral for designed in accorr Residential Code nd referenced stan of strong-Tie LUS2 Ply Girder) or equing at 2-0-0 from t s(es) to front face of les where hanger Standard wy (balanced): Lun 15	Lum DC B; Fully been cor or a 10.0 with any f for a liv s where Il fit betw e connection onces. dance w sections dard AN 6 (4-10c uivalent he left e of bottom is in cor nber Inc =-19	L=1.15 Plate Exp.; Ce=0.9 isidered for the psf bottom other live loa e load of 20.1 e load of 20.2 e load of 20.2 e load of 20.2 recent the bottom ctors ng walls due n is for uplift of the the 2018 R502.11.1 a SI/TPI 1. Girder, 3-10 spaced at 2-(n chord, tact with lum	e his ds. Dpsf om to only und D-0 ber.		M. and the second se		SEA 0363	AL B22





Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	J03	Monopitch Supported Gable	1	1	Job Reference (optional)	153485649

-0-10-8

Carter Components (Sanford), Sanford, NC - 27332,

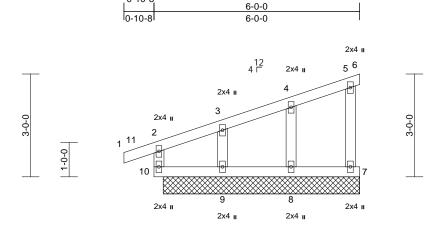
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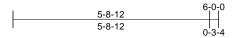




August 5,2022

818 Soundside Road Edenton, NC 27932





Scale = 1:33.6

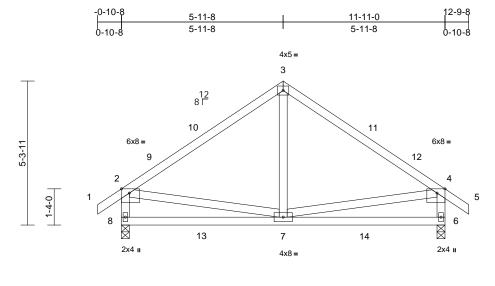
						·						
Loading	(psf)	Spacing	1-11-4	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
FCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0				-						Weight: 28 lb	FT = 20%
LUMBER TOP CHORE BOT CHORE WEBS OTHERS BRACING TOP CHORE BOT CHORE REACTIONS	 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood sh 6-0-0 oc purlins, e Rigid ceiling directi bracing. (size) 6=5-8-12 9=5-8-12 (size) 6=5-8-12 9=5-8-12 Max Horiz 10=106 Max Uplift 6=-28 (L 10=-23 (Max Grav 6=14 (LC 	C 10), 7=-22 (LC 11), C 10), 9=-56 (LC 14),	only. For see Sta or consi 3) TCLL: A Plate D DOL=1. Cs=1.00 4) Unbalar design. 5) This true load of 5) This true load of 6) All plate 7) Truss to braced a 3=212 9) This true braced a 3=212 9) This true chord line	esigned for wind loa or studs exposed to idard Industry Gabl It qualified building SCE 7-16; Pr=20.0 DL=1.15); Pf=20.0 p15); Is=1.0; Rough 0; cct shas been designe 2.0 psf or 1.00 time gs non-concurrent v sare 2x4 MT20 unli be fully sheathed fr against lateral move uds spaced at 2-0-0 ss has been designe e load nonconcurrer uss has been designe	wind (norm e End Deta designer a psf (roof LI Ssf (Lum DC Cat B; Fully /e been col ed for great ss flat roof I with other li ess otherwi rom one fac ment (i.e. c 0 oc. ed for a 10. nt with any	al to the face ills as applica s per ANS/TI .: Lum DOL= 1.15 Plate Exp.; Ce=0.9 insidered for the er of min roof oad of 20.0 p: ve loads. ise indicated. the or securely diagonal web) 0 psf bottom other live loa), ble, PI 1. 1.15 9; his 9; live sf on ,					
FORCES	(lb) - Maximum Co Tension	mpression/Maximum	on the b	ottom chord in all ar	reas where	a rectangle	•					
TOP CHORE		, , ,	chord a 11) Provide	tall by 2-00-00 wide ad any other member mechanical connect plate capable of with	ers. tion (by oth	ers) of truss t	to				TH CA	RO
BOT CHORE WEBS NOTES	4-8=-174/149, 3-9=	-160/194	6.		J				4		A CONTRACTOR	and the second s
Vasd=10 Cat. II; E zone and 2-0-0 to 6 end vertion forces &	SCE 7-16; Vult=130mp (3mph; TCDL=6.0psf; xp B; Enclosed; MWFI d C-C Corner(3E) -0-16 6-0-0 zone; cantilever cal left and right expose MWFRS for reactions io plate grip DOL=1.60	CDL=6.0psf; h=25ft; RS (envelope) exterio 0-8 to 2-0-0, Exterior(2 eft and right exposed ed;C-C for members shown; Lumber	r 2N) ;						1111111111		SEA 0363	EER A III



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	L01	Common Supported Gable	5	1	Job Reference (optional)	153485650

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:49 ID:U5CzCuUcXWbZOtE48eu3mpzhpis-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



5-11-8	11-11-0	
5-11-8	5-11-8	

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

Scale = 1:42.4

Plate Olisets ((X, Y): [2:0-3-8,Edge],	[4:0-3-8,Edge]			-								
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code		8/TPI2014	CSI TC BC WB Matrix-MSH	0.91 0.30 0.13	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.05 -0.05 0.00	(loc) 7-8 7-8 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 69 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 oc 3=0-3-8 C 13) C 15), 8=-56 (LC 14) C 22), 8=619 (LC 21)	5) d or 6) 7) 8)	design. This truss ha load of 12.0 overhangs n This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar One H2.5A S recommende UPLIFT at jtt and does no	snow loads have l so been designed if psf or 1.00 times f on-concurrent with so been designed ad nonconcurrent has been designed n chord in all area by 2-00-00 wide w hy other members. Simpson Strong-Ti ad to connect truss (s) 8 and 6. This ci t consider lateral f designed in accor	for great lat roof lo n other lif for a 10.1 with any d for a liv s where ill fit betv e conne s to bear onnectio orces.	er of min rooi oad of 20.0 p re loads. 0 psf bottom other live loa e load of 20. a rectangle veen the bott ctors ing walls due n is for uplift	f live sf on ads. Opsf om e to					
TOP CHORD BOT CHORD WEBS	P CHORD 2-8=-566/356, 1-2=0/34, 2-3=-539/408, 3-4=-539/408, 4-5=0/34, 4-6=-566/356 T CHORD 7-8=-173/252, 6-7=-115/252			International	Residential Code nd referenced star	sections	R502.11.1 a	and					
 this design Wind: ASC Vasd=103 Cat. II; Exp zone and 2-1-8 to 2- 8-11-8 to 2- 8-11-8 to 2- cantilever right exposimet exposimet exposimet for an exposimet e	ed roof live loads have h. CE 7-16; Vult=130mph graph; TCDL=6.0psf; Br p B; Enclosed; MWFR: C-C Exterior(2E) -0-10 -11-8, Exterior(2E) 9-9 -9-8, Exterior(2E) 9-9 -16f and right exposed sed; porch left and righ and forces & MWFRS OL=1.60 plate grip DO CE 7-16; Pr=20.0 psf (L =1.15); Pf=20.0 psf (L i); Is=1.0; Rough Cat E	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior -8 to 2-1-8, Interior (* 1-8 to 8-11-8, Interior -8 to 12-9-8 zone; ; end vertical left and tt exposed;C-C for for reactions shown; 'L=1.60 un DOL=1.15 Plate	1) r (1) i .15							4		SEA 0363	• –

3) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



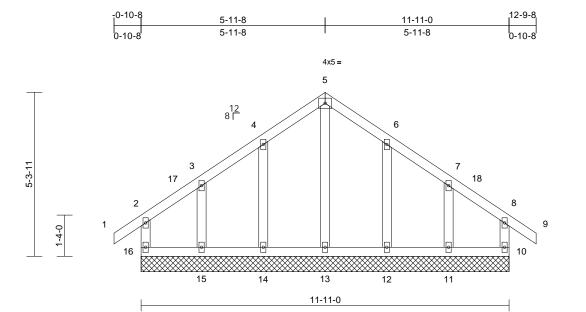
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August 5,2022

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	L02	Common Supported Gable	1	1	Job Reference (optional)	153485651

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:50 ID:MsRT1GX6al6_tUXrNTz?wfzhpio-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Loading TCLL (roof)		(psf) 20.0	Spacing Plate Grip DOL	1-11-4 1.15		CSI TC	0.11	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190	
Snow (Pf)		20.0	Lumber DOL	1.15		BC	0.06	Vert(CT)	n/a	-	n/a	999			
TCDL		10.0	Rep Stress Incr	YES		WB	0.09	Horz(CT)	0.00	10	n/a	n/a			
BCLL		0.0*	Code	IRC2018	3/TPI2014	Matrix-MR									
BCDL		10.0		_									Weight: 69 lb	FT = 20%	
LUMBER				2)		7-16; Vult=130m							ned in accordance		
TOP CHORD						oh; TCDL=6.0psf 3; Enclosed; MW							dential Code sect		and
BOT CHORD						C Corner(3E) -0-							ferenced standar	JANSI/TPLT.	
WEBS OTHERS	2x4 SP N 2x4 SP N					1-8, Corner(3R)				LOAD	ASE(S) Sta	ndard		
BRACING	284 OF N	0.5				o 9-9-8, Corner(
TOP CHORD	Structura	l wood she	athing directly applied	tor	cantilever lef	t and right expos	ed; end	vertical left and	d						
			cept end verticals.			d;C-C for membe			S						
BOT CHORD			applied or 6-0-0 oc			shown; Lumber	DOL=1.6	0 plate grip							
	bracing.			2)	DOL=1.60	and for wind loop	la in the -	long of the true	~						
REACTIONS	(size)	10=11-11	-0, 11=11-11-0,	3)		ned for wind load Ids exposed to w									
			-0, 13=11-11-0,			d Industry Gable									
			-0, 15=11-11-0,			alified building d									
		16=11-11		4)		7-16; Pr=20.0 p									
		16=-141 (LC 12) C 14), 11=-80 (LC 15	:)		Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate									
	Max Opint		C 15), 14=-52 (LC 14			s=1.0; Rough Ca	at B; Fully	Exp.; Ce=0.9	;						
			C 14), 16=-53 (LC 10	1)	Cs=1.00; Ct=				i.						
	Max Grav		C 24), 11=200 (LC 2		design.	snow loads have	e been coi	isidered for th	lis						
		12=256 (L	.C 22), 13=161 (LC 2	7), 6)	0	s been designed	l for areat	er of min roof	live						
		14=256 (L 16=149 (L	.C 21), 15=200 (LC 2 .C 25)	1), 0)	load of 12.0	psf or 1.00 times	flat roof l	oad of 20.0 ps							
FORCES	(lb) - Max	kimum Com	pression/Maximum	7)		2x4 MT20 unles							minin	Ullin.	
	Tension			8)		es continuous bo							"TH CA	Rollin	
TOP CHORD			0/33, 2-3=-77/96,	9)		ully sheathed fro						-	R	The late	2
			13/248, 5-6=-113/248			ist lateral movem		liagonal web).			/	5.5	FESS	ON THE	12
			8/96, 8-9=0/33,			spaced at 2-0-0					4	V		12:00	2
BOT CHORD	8-10=-11		=-71/68, 13-14=-71/6	. 11		s been designed							:4 ~		2
BOT CHORD		,	=-71/68, 13-14=-71/6	` `		ad nonconcurren							SEA	L 1	Ξ
WEBS		7/32, 4-14=	,	~ 12		as been designe			psf		=		0202		
			=-217/112,			n chord in all are			m		=		0363	~~ :	-
	7-11=-16					y other member			/11			8			F
NOTES				13		hanical connection		ers) of truss to	С			-	·	-Air	WILLIAM DA
1) Unbalance	ed roof live	loads have	been considered for		bearing plate	capable of with	standing 5	53 lb uplift at jo	oint			1.5	SEA 0363	EFICA	2
this desigr	า.					ft at joint 10, 52						11	C	BEIN	
						15, 53 lb uplift at	joint 12 a	and 80 lb uplift	at				A. G	ILLUN	
					joint 11.								10000	inin.	
													Augu	ct 5 2022	

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	PB1	Piggyback	10	1	Job Reference (optional)	153485652

9-6-8

9-6-8

Carter Components (Sanford), Sanford, NC - 27332,

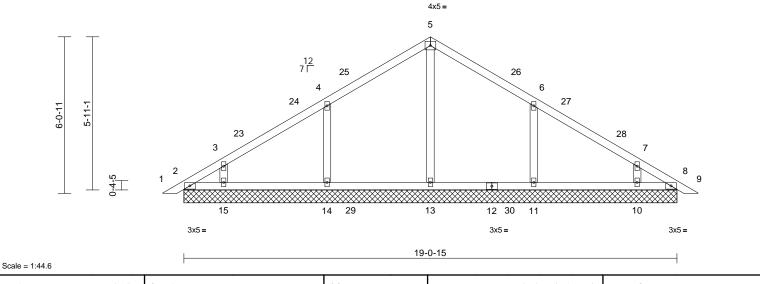
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Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.30 0.17 0.13	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 20	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 83 lb	GRIP 244/190 FT = 20%				
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	TOP CHORD 2x4 SP No.2 Vasd=103 BOT CHORD 2x4 SP No.2 Cat. II; Ex OTHERS 2x4 SP No.3 Cat. II; Ex BRACING 2x4 SP No.3 Saration and right TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. G-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. NWFRS f REACTIONS (size) 2=19-0-15, 8=19-0-15, 10=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=19-0-15, 16=-19-0-15					Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-11 to 3-3-11, Interior (1) 3-3-11 to 7-4-10, Exterior(2R) 7-4-10 to 13-4-10, Interior (1) 13-4-10 to 17-5-10, Exterior(2E) 17-5-10 to 20-5-10 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 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. TCLL: ASCE 7-16; Pr=20.0 psf (Louf DL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.						 14) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer. LOAD CASE(S) Standard 					
FORCES	(lb) - Maximum Com Tension 1-2=0/16, 2-3=-127/	pression/Maximum 108, 3-4=-130/87,	8 9) Gable requir) Gable studs	e 2x4 M120 unles es continuous bo spaced at 4-0-0 d as been designed	ttom chor	d bearing.				and a	OR FES	ROLI	11			
BOT CHORD	7-8=-91/55, 8-9=0/1 2-15=-39/90, 14-15=	147/111, 6-7=-90/52, 6 39/90, 13-14=-39/90 =-39/90, 8-10=-39/90	, 1	chord live loa 1) * This truss h on the bottor	ad nonconcurrent has been designe m chord in all area	with any d for a liv as where	other live load e load of 20.0 a rectangle	psf		4		SE/		hun			
WEBS		395/165, 3-15=-206/1	29,		by 2-00-00 wide w by other members							0363	•	THI.			
					designed in acco Residential Code nd referenced sta	e sections	R502.11.1 a	nd			A A A A A A A A A A A A A A A A A A A	SEA 0363	EER.	dinne.			

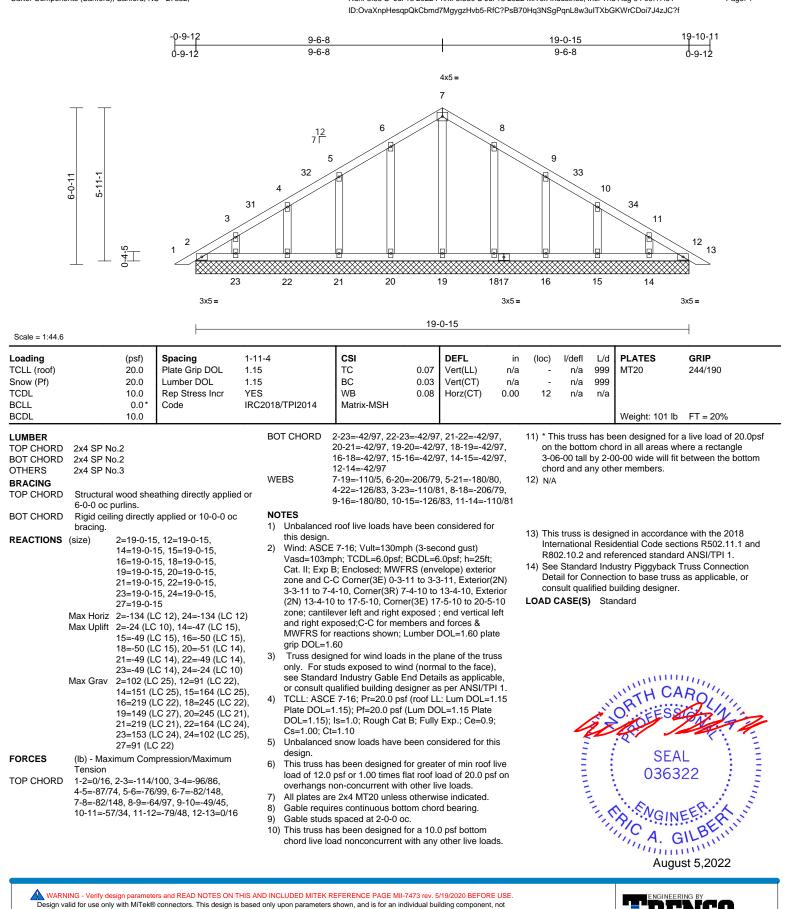
August 5,2022

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	PB2	Piggyback	1	1	I53 Job Reference (optional)	3485653

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:51

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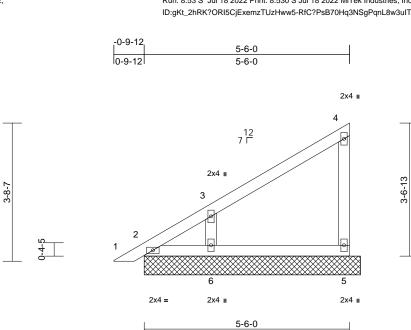
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	PB3	Piggyback	10	1	Job Reference (optional)	153485654

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:51 ID:gKt_2hRK?ORI5CjExemzTUzHww5-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:30.9

Ocale = 1.50.5													
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 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/TP	12014	CSI TC BC WB Matrix-MP	0.27 0.10 0.07	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 25 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=103 Cat. II; Ex zone and exposed ; members Lumber D 2) Truss des only. For see Stand or consult 3) TCLL: ASC	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=5-9-8, 5 Max Horiz 2=124 (LC Max Uplift 5=-37 (LC Max Grav 2=64 (LC 6=425 (LC (lb) - Maximum Com Tension	 : 14), 6=-93 (LC 14) : 30), 5=172 (LC 21), : 21), 7=64 (LC 30) : pression/Maximum 102, 3-4=-105/54 142/73 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and right exposed; C-C for for reactions shown; L=1.60 the plane of the trus (normal to the face), d Details as applicabl gner as per ANSI/TPI roof LL: Lum DOL=1. 	d or 5-9-8 10) 11) Thi 11) Thi 11) Thi 11) Thi 11) Se De Cor LOAD ght ss le, 11.	d of 12.0 p erhangs no ble require ble studs s is truss ha ord live loa his truss h the bottorn 06-00 tall b ord and an A is truss is o ernational 02.10.2 ar e Standarco nsult qualif	s been designed sef or 1.00 times i on-concurrent witt se continuous bot spaced at 4-0-0 to spaced at 4-0-0 to the set of the spaced at 4-0-0 to the set of the designed in accord Residential Code do referenced sta d Industry Piggy Standard	flat roof le h other li tom choro c. for a 10.1 with any d for a liva as where vill fit betv rdance w s sections ndard AN ack Truss as a	bad of 20.0 ps ve loads. d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the botto ith the 2018 5 R502.11.1 a USI/TPI 1. s Connection	sf on ds.)psf om nd		M. HILLING		Weight: 25 lb	
Cs=1.00; (5); Is=1.0; Rough Cat E Ct=1.10 ed snow loads have be									an.	A. C	ILBERTIN'	

August 5,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	PB4	Piggyback	1	1	Job Reference (optional)	153485655

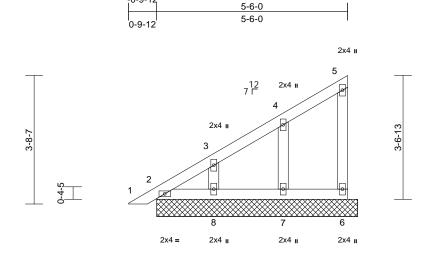
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Carter Components (Sanford), Sanford, NC - 27332,

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Page: 1





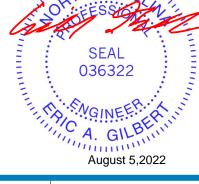
5-6-0

Scale =	1:33.2

												-	
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MP	0.08 0.03 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	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 WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins. Rigid ceiling direc bracing. (size) 2=5-9-8 8=5-9-8 Max Horiz 2=121 (Max Uplift 6=-16 (8=-50 (Max Grav 2=94 (L	neathing directly applie tly applied or 10-0-0 oc ; 6=5-9-8, 7=5-9-8, ; 9=5-9-8 LC 14), 9=121 (LC 14) _C 14), 7=-50 (LC 14), _C 14) C 21), 6=75 (LC 21), 7 , 8=221 (LC 21), 9=94	4) 2 6) 7 7) 8) 9) 7=238	Plate DOL=1 DOL=1.15); Cs=1.00; Ct Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir Gable studs This truss ha chord live loa * This truss ha chord live loa	5 7-16; Pr=20.0 p 5 7-16; Pf=20.0 ps Is=1.0; Rough Ca =1.10 snow loads have as been designed psf or 1.00 times on-concurrent wi es continuous bo spaced at 2-0-0 as been designed an concourrent mas been designed n chord in all are by 2-00-00 wide with hy other member	f (Lum DC at B; Fully been cor flat roof k thother lin too chor oc. l for a 10.4 t with any sed for a liv as where vill fit betw	DL=1.15 Plate Exp.; Ce=0.1 nsidered for t er of min rool oad of 20.0 p ve loads. rd bearing. 0 psf bottom other live loa re load of 20.0 a rectangle	e 9; 1 live sf on ds. 0psf					
FORCES	Tension 1-2=0/16, 2-3=-14	ompression/Maximum 0/83, 3-4=-90/53,	11		designed in acco								
Vasd=103 Cat. II; Ex	CE 7-16; Vult=130m mph; TCDL=6.0psf; p B; Enclosed; MWF	-174/87, 5-6=-62/32	L(r	R802.10.2 a 2) See Standar Detail for Co	Residential Cod nd referenced sta d Industry Piggyl nnection to base fied building desi Standard	andard AN back Trus truss as a	NSI/TPI 1. s Connection			L	A A	OP FESS	Mar .

Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

 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.

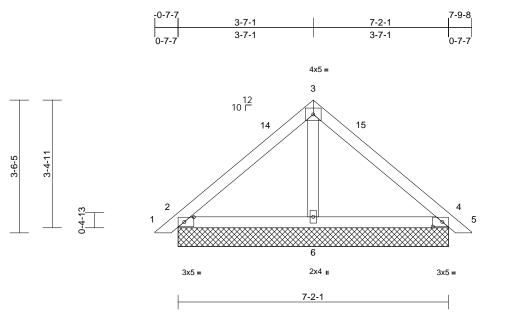


ENGINEERING BY ANITEK Affiliate B18 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	PB5	Piggyback	10	1	Job Reference (optional)	153485656

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:52 ID:__1c4MYtF38IP9oyf2SACtzhpgB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:30.6

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

	(, .). [=	,],[]											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 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	18/TPI2014	CSI TC BC WB Matrix-MP	0.27 0.27 0.02	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 31 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP N 2x4 SP N Structura 6-0-0 oc Rigid ceil bracing. (size) Max Horiz Max Uplift	lo.2 lo.3 I wood shipurlins. ing directl 2=7-2-1, 7=7-2-1, 2=-78 (L 2=-37 (L 2=-37 (L 2=300 (L	eathing directly applied y applied or 10-0-0 oc 4=7-2-1, 6=7-2-1, 11=7-2-1 C 12), 7=-78 (LC 12) C 14), 4=-46 (LC 15), C 14), 11=-46 (LC 15), C 21), 4=300 (LC 22), C 21), 7=300 (LC 21), (LC 22)	4 I or 6 7 8 9	 only. For str see Standar or consult q TCLL: ASCE Plate DOL=1.15); Cs=1.00; Ct Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir Gable studs This truss ha chord live lo 	ned for wind load uds exposed to w d Industry Gable Jalified building d E 7-16; Pr=20.0 ps Is=1.0; Rough Ca =1.10 snow loads have as been designed psf or 1.00 times on-concurrent wi res continuous bo spaced at 4-0-0 as been designed ad nonconcurrent	ind (norm End Deta esigner a: sf (roof Ll f (Lum DC at B; Fully been con l for great flat roof li th other li ttom chor oc. l for a 10. t with any	al to the face ils as applica is per ANSI/TI : Lum DOL= :L=1.15 Plate Exp.; Ce=0.9 asidered for the er of min roof bad of 20.0 p ve loads. d bearing.), ble, Pl 1. 1.15 e 9; his f live sf on					
FORCES	Tension 1-2=0/26	, 2-3=-206	mpression/Maximum 5/113, 3-4=-206/113,		on the botton 3-06-00 tall l chord and a	m chord in all are by 2-00-00 wide w ny other member	as where vill fit betv	a rectangle	•					
BOT CHORD WEBS	4-5=0/26 2-6=-34/8 3-6=-80/0	32, 4-6=-2	4/82	1	1) N/A								TH CA	ROLIN
NOTES	ed roof live	loads hav	e been considered for	1	2) This truss is	designed in acco	ordance w	ith the 2018				N's	Q'EÉS	Provide State

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-14 to 3-2-14, Exterior (2R) 3-2-14 to 5-2-10, Exterior(2E) 5-2-10 to 8-2-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

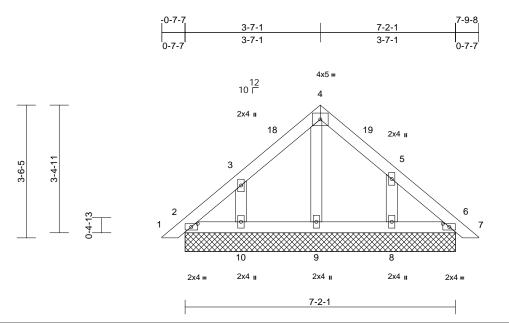




Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	PB6	Piggyback	1	1	Job Reference (optional)	153485657

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:52 ID:Us2k8mP6TjiI7o1ml0Hd_VyrINB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:30.6

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

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2018	5/TPI2014	CSI TC BC WB Matrix-MP	0.08 0.03 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 35 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 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=7-2-1,	eathing directly applie y applied or 10-0-0 or 6=7-2-1, 8=7-2-1, 10=7-2-1, 11=7-2-1,	, ed or	Vasd=103mp Cat. II; Exp E zone and C-(2R) 3-2-14 t zone; cantile and right exp MWFRS for grip DOL=1.6 Truss design only. For stu see Standard	7-16; Vult=130m, 7-16; Vult=130m, b; TCDL=6.0psf; 3; Enclosed; MWF C Exterior(2E) 0-2 to 5-2-10, Exterior ver left and right (vosed;C-C for mei reactions shown; 60 ned for wind loads ds exposed to wi d Industry Gable F alified building de	BCDL=6 FRS (env (2E) 5-2 exposed mbers ar Lumber I s in the p nd (norm End Deta	.0psf; h=25ft; elope) exterio 2-14, Exterior 10 to 8-2-10 ; end vertical d forces & DOL=1.60 pla lane of the tru al to the face) ils as applicat	r left te ss , ble,	Det	ail for C sult qua	onnect lified b	ustry Piggyback ⁻ ion to base truss uilding designer.	Truss Connection as applicable, or
	Max Horiz 2=-76 (Ld Max Uplift 2=-11 (Ld 10=-90 (I Max Grav 2=117 (L 8=251 (L 10=253 (15=136 (C 12), 11=-76 (LC 12 C 10), 8=-85 (LC 15), LC 14), 11=-11 (LC 1 C 21), 6=136 (LC 22 C 22), 9=114 (LC 21 LC 21), 11=117 (LC 2 LC 22)),), 21),	TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design. This truss ha	: 7-16; Pr=20.0 ps .15); Pf=20.0 psf Is=1.0; Rough Ca =1.10 snow loads have is been designed	if (roof Ll (Lum DC t B; Fully been cor for great	: Lum DOL=1 DL=1.15 Plate Exp.; Ce=0.9 Insidered for the	l.15 ; iis live					
FORCES TOP CHORD	Tension 1-2=0/25, 2-3=-60/5		7)	overhangs n Gable require	psf or 1.00 times to on-concurrent with es continuous bot	h other li tom choi	/e loads.	st on				WITH CA	RO
BOT CHORD WEBS NOTES 1) Unbalance this design	6-8=-24/78 3-10=-215/160, 4-9 ed roof live loads have	-25/77, 8-9=-24/78, =-75/0, 5-8=-204/151	10) r	This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b	spaced at 2-0-0 o is been designed ad nonconcurrent nas been designe n chord in all area by 2-00-00 wide w ny other members	for a 10. with any d for a liv as where rill fit betw	other live load e load of 20.0 a rectangle	psf		Antitute	Real Providence	OR FESS SEA 0363	
			12)	International	designed in acco Residential Code nd referenced sta	sections	R502.11.1 a	nd				A. C	EER. KIN

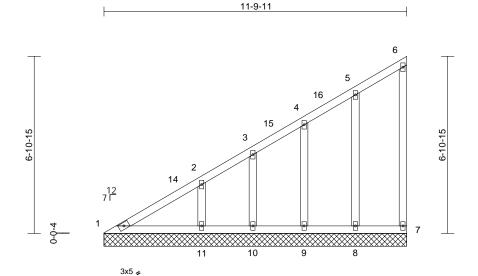
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	uss Type Qty Ply DRB GROUP - 121 FaNC			
22080003	V1	Valley	1	1	Job Reference (optional)	153485658

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:52 ID:obl8CR79AVIhJxhIYr2zsHzhpM4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

10



11-9-11

Scale = 1:44.9

				_								
Loading	(psf)	Spacing	1-11-4	CSI	• 1-	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	7	n/a	n/a		
BCLL BCDL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH							Mainht C7 lb	FT 200/
BCDL	10.0		-		-						Weight: 67 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=11-9-1 9=11-9-1 Max Horiz 1=229 (L Max Uplift 1=-3 (LC (LC 14), 1 	/ applied or 10-0-0 oc 1, 7=11-9-11, 8=11-9 1, 10=11-9-11, 11=11 C 11)	only. For see Stand or consult 3) TCLL: AS Plate DOL DOL=1.15 Cs=1.00; (4) Unbalance design. 5) All plates a 6) Gable req -9-11 7) Gable stur 8) This truss chord live 9) (LC 9) * This trus	ed snow loads have are 2x4 MT20 unles uires continuous bo ls spaced at 2-0-0 of has been designed load nonconcurrent s has been designe	ind (norm End Deta ssigner as sf (roof LL (Lum DC at B; Fully been con as otherwittom chor bc. for a 10. with any d for a liv	al to the face ills as applica s per ANSI/TI :: Lum DOL= :: Lum DOL= : Lum DOL= : Exp.; Ce=0.9 insidered for the ise indicated. rd bearing. 0 psf bottom other live loa ve load of 20.1), ble, Pl 1. 1.15 9; his ds.					
FORCES	10=104 ((lb) - Maximum Con	C 24), 7=87 (LC 20), C 20), 9=238 (LC 20) LC 20), 11=306 (LC 2 npression/Maximum	3-06-00 ta chord and 3) 10) Provide m bearing pl	com chord in all area Il by 2-00-00 wide v any other members echanical connection ate capable of withs	vill fit betw s. on (by oth standing 3	veen the bott lers) of truss t 32 lb uplift at j	o oint					
TOP CHORD	Tension 1-2=-241/135, 2-3= 4-5=-125/83, 5-6=-9	-153/93, 3-4=-132/85, 93/94, 6-7=-72/26	joint 9, 40	ft at joint 1, 52 lb up lb uplift at joint 10 a is designed in acco	nd 74 lb	uplift at joint					mmm	11111
BOT CHORD	1-11=-98/177, 10-1 8-9=-98/124, 7-8=-9	1=-98/124, 9-10=-98/ 98/124	124, Internatior	al Residential Code and referenced sta	e sections	s R502.11.1 a	ind			1	RTHCA	91/11
WEBS	5-8=-200/74, 4-9=-1 2-11=-199/157	192/123, 3-10=-95/82,	LOAD CASE(Standard 					4	23	O. FESC	Visio
NOTES										-		
Vasd=10 Cat. II; E zone and 3-0-7 to 8 cantileven right expo	CE 7-16; Vult=130mpł 3mph; TCDL=6.0psf; E kp B; Enclosed; MWFR I C-C Corner(3E) 0-0-7 3-8-6, Corner(3E) 8-8-6 r left and right exposed based;C-C for members bons shown; Lumber DC 0	CDL=6.0psf; h=25ft; S (envelope) exterior to 3-0-7, Exterior(2N) to 11-8-6 zone; ; end vertical left and and forces & MWFRS							THURSE.		SEA 0363	EER A

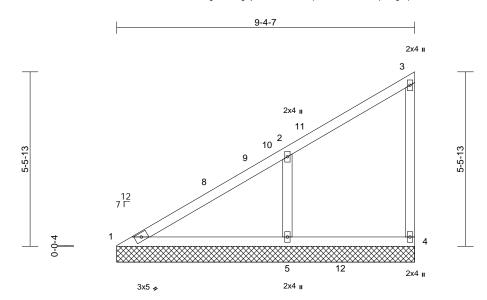
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	V2	Valley	1	1	Job Reference (optional)	153485659

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Page: 1



9-4-7

Scale = 1:36.2

00010 = 1.50.2												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.39 0.27 0.10	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 40 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=9-4-7, 4 Max Horiz 1=179 (LC Max Uplift 4=-28 (LC Max Grav 1=192 (LC 5=579 (LC	cept end verticals. applied or 10-0-0 oc 4=9-4-7, 5=9-4-7 C 11) C 11), 5=-112 (LC 14) C 24), 4=170 (LC 5), C 5)	design. 5) Gable requ 6) Gable stud 7) This truss 1 chord live I 3-06-00 tal chord and 9) Provide me bearing pla 4 and 112 10) This truss i Internation	d snow loads have irres continuous bo s spaced at 4-0-0 o has been designed oad nonconcurrent s has been designed om chord in all area l by 2-00-00 wide v any other members achanical connection the capable of withs bl uplift at joint 5. s designed in acco al Residential Cood and referenced sta	ttom chor oc. for a 10. with any d for a liv as where vill fit betv s, with BC on (by oth tanding 2 rdance w e sections	d bearing. D psf bottom other live load e load of 20.0 a rectangle veen the bott DL = 10.0psi ers) of truss i 28 lb uplift at j ith the 2018 s R502.11.1 a	ids. Opsf om f. io oint					
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maximum Com Tension 1-2=-312/130, 2-3=- 1-5=-78/272, 4-5=-7 2-5=-433/169	123/65, 3-4=-141/41	LOAD CASE(S	6) Standard								
Vasd=103 Cat. II; Ex zone and 3-0-7 to 5- cantilever right expo for reactio DOL=1.60 2) Truss der only. For see Stand or consult 3) TCLL: AS Plate DOL	signed for wind loads in studs exposed to wind lard Industry Gable En qualified building desi CE 7-16; Pr=20.0 psf (L =1.15); Pf=20.0 psf (L i); Is=1.0; Rough Cat E	CDL=6.0psf, h=25ft; S (envelope) exterior ' to 3-0-7, Interior (1) 3 to 9-3-2 zone; ; end vertical left and and forces & MWFR IL=1.60 plate grip n the plane of the tru I (normal to the face) d Details as applicat gner as per ANSI/TP roof LL: Lum DOL=1 um DOL=1.15 Plate	d S ss , le, 11. .15						UN THINK		SEA 0363	L 22 EER H



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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not
a 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, DSB-89 and BCSI Building Component
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

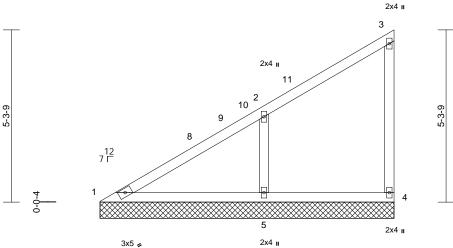
Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	V3	Valley	1	1	Job Reference (optional)	153485660

9-0-8

Carter Components (Sanford), Sanford, NC - 27332,

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:53 ID:dlfQSUCwiL2q1s9Sv5905YzhpM_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

T



9-0-8

Scale = 1:35.4

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	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 39 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	r applied or 10-0-0 oc 4=9-0-8, 5=9-0-8 C 11) C 11), 5=-113 (LC 14) C 28), 4=169 (LC 20)	design. 5) Gable requir 6) Gable studs 7) This truss ha chord live lo d or 8) * This truss l on the botton 3-06-00 tall chord and at 9) Provide mee bearing platt 4 and 113 lb 10) This truss is International	snow loads have b res continuous botto spaced at 4-0-0 oc as been designed fr ad nonconcurrent w has been designed m chord in all areas by 2-00-00 wide wil ny other members. chanical connection e capable of withsta uplift at joint 5. designed in accord Residential Code s	om chor or a 10. vith any for a liv s where I fit betv (by oth anding 2 dance w sections	d bearing. D psf bottom other live load e load of 20.0 a rectangle veen the botto ers) of truss tr 18 lb uplift at jo ith the 2018 i R502.11.1 a	ds. Dpsf om oint					
FORCES	(lb) - Maximum Con Tension	,	LOAD CASE(S)	nd referenced stan Standard	dard Ar	151/1911.						
TOP CHORD	1-2=-270/126, 2-3=-	123/63 3-4148/42										
BOT CHORD	1-5=-77/235, 4-5=-7	,										
WEBS	2-5=-435/173	1100										
	2 0= 400/110											
NOTES		(2)										
Vasd=103 Cat. II; Exp zone and 0 3-0-7 to 4- cantilever right expos	CE 7-16; Vult=130mpf mph; TCDL=6.0psf; B p B; Enclosed; MWFR C-C Exterior(2E) 0-0-7 8-4, Exterior(2R) 4-8- left and right exposed sed;C-C for members ns shown; Lumber DC	CDL=6.0psf; h=25ft; S (envelope) exterior to 3-0-7, Interior (1) 4 to 8-11-3 zone; ; end vertical left and and forces & MWFR	1						4	AN AN	OR OFESS	
 Truss des only. For see Stand or consult TCLL: AS(Plate DOL 	signed for wind loads i studs exposed to wind ard Industry Gable En qualified building desi CE 7-16; Pr=20.0 psf (=1.15); Pf=20.0 psf (L i); Is=1.0; Rough Cat E	I (normal to the face) d Details as applicab gner as per ANSI/TP (roof LL: Lum DOL=1 um DOL=1.15 Plate	, le, l 1. .15						11 to 2	A A A A A A A A A A A A A A A A A A A	SEA 0363	EER

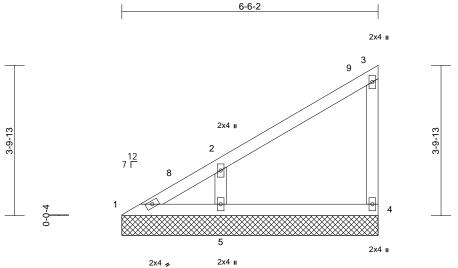
August 5,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	V4	Valley	1	1	Job Reference (optional)	153485661

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:53 ID:Z7nAtADAHyIYGAIq0WBsBzzhpLy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



6-6-2



Scale = 1:29.3

Loading	(psf)	Spacing	2-0-0	CSI	DEFL in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC 0.31	Vert(LL) n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC 0.12	Vert(TL) n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB 0.08	Horiz(TL) 0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP						
BCDL	10.0								Weight: 26 lb	FT = 20%
LUMBER TOP CHORD	2x4 SP No.2		 Unbalanced design. 	snow loads have been co	nsidered for this					
BOT CHORD	2x4 SP No.2		0	res continuous bottom cho	rd bearing.					
WEBS	2x4 SP No.3			spaced at 4-0-0 oc.						
OTHERS	2x4 SP No.3			as been designed for a 10.	0 psf bottom					
BRACING			chord live lo	ad nonconcurrent with any	other live loads.					
TOP CHORD	Structural wood she	eathing directly applie		has been designed for a liv						
	6-0-0 oc purlins, ex	cept end verticals.		m chord in all areas where						
BOT CHORD		y applied or 10-0-0 oc		by 2-00-00 wide will fit betw ny other members.	ween the bottom					
	bracing.			chanical connection (by oth	ore) of truce to					
REACTIONS		4=6-6-2, 5=6-6-2		e capable of withstanding s						
	Max Horiz 1=125 (L	,	1 22 lb unlit	ft at joint 4 and 93 lb uplift a						
	Max Uplift 1=-5 (LC	10), 4=-22 (LC 11), 5		designed in accordance w						
	(LC 14)		Ínternationa	I Residential Code section:	s R502.11.1 and					
	Max Grav 1=75 (LC 5=468 (L		R802.10.2 a	and referenced standard Al	NSI/TPI 1.					
FORCES	(npression/Maximum	LOAD CASE(S)	Standard						
FORCES	Tension	npression/maximum								
TOP CHORD	1-2=-108/97, 2-3=-1	114/59. 3-4=-154/40								
BOT CHORD	1-5=-58/63, 4-5=-58									
WEBS	2-5=-401/195									
NOTES										11
1) Wind: ASC	CE 7-16; Vult=130mph	h (3-second gust)							W'ULCA	Dille
	mph; TCDL=6.0psf; B								"ATH UN	70/ 11/2
	p B; Enclosed; MWFR							N.	O FESSI	antica
	C-C Exterior(2E) zone		ight					<u> </u>		Nall
	end vertical left and ri and forces & MWFRS						4	N		the second
	OL=1.60 plate grip DC						-		OFAL	1
	signed for wind loads i		ee						SEAL	- E E
	studs exposed to wind								03632	2 : =
	ard Industry Gable Er						1			- <u>i</u> z
	qualified building des						10	-	SEAL 03632	1. 3
	CE 7-16; Pr=20.0 psf		.15					20	N. SNOW	FRIKS
	=1.15); Pf=20.0 psf (L							1	PAINE	1. 95
	;); Is=1.0; Rough Cat I	B; Fully Exp.; Ce=0.9	;					1	A. GI	BEIN
Cs=1.00; 0	Ut=1.10								1, A. G.	1-11

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



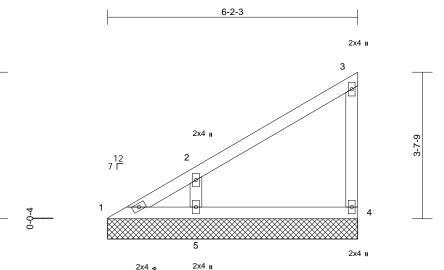
A. GILBE A. GILBE

Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	V5	Valley	1	1	Job Reference (optional)	153485662

3-7-9

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:53 ID:VWvwIsFRpZYGWTSD8xEKGOzhpLw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



6-2-3



Scale = 1:28.5

Scale = 1:28.5													
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/	TPI2014	CSI TC BC WB Matrix-MP	0.31 0.12 0.08	DEFL Vert(LL) Vert(TL) Horiz(TL)	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: 25 lb	GRIP 244/190 FT = 20%
SOT CHORD WEBS DTHERS BRACING TOP CHORD BOT CHORD REACTIONS (6 M	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. size) 1=6-2-3, 4 Aax Horiz 1=119 (LC 5=-90 (LC fax Grav 1=59 (LC 5=464 (LC	cept end verticals. applied or 10-0-0 od 4=6-2-3, 5=6-2-3 C 11) : 10), 4=-27 (LC 14), 14) 28), 4=186 (LC 20),	5) 6) 7) ed or 8) c 9) 7 10)	design. Gable require Gable studs : This truss ha chord live loa * This truss h on the botton 3-06-00 tall b chord and an Provide meci bearing plate 4, 10 lb uplift This truss is i International	snow loads have l es continuous bott spaced at 4-0-0 o s been designed f d nonconcurrent 1 as been designed n chord in all area y 2-00-00 wide wi y other members. nanical connection capable of withst at joint 1 and 90 l designed in accor Residential Code d referenced star	tom chor c. ior a 10. with any f for a liv s where ill fit betw n (by oth anding 2 b uplift a dance w sections	d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the botto ers) of truss t 7 lb uplift at j t joint 5. ith the 2018 i R502.11.1 a	ds. Dpsf om oint					
TOP CHORD BOT CHORD WEBS NOTES 1) Wind: ASCE Vasd=103m Cat. II; Exp zone and C- exposed; ei members ar Lumber DOI 2) Truss desig only. For st see Standar or consult qi 3) TCLL: ASCE Plate DOL=	(lb) - Maximum Com Tension 1-2=-113/98, 2-3=-1 1-5=-55/60, 4-5=-55, 2-5=-412/207 E 7-16; Vult=130mph nph; TCDL=6.0psf; Bf B; Enclosed; MWFRS C Exterior(2E) zone; nd vertical left and rig nd forces & MWFRS L=1.60 plate grip DO gned for wind loads ir uds exposed to wind rd Industry Gable En- ualified building desig E 7-16; Pr=20.0 psf (L Is=1.0; Rough Cat E	14/58, 3-4=-153/45 /60 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and r ght exposed;C-C for for reactions shown L=1.60 the plane of the true (normal to the face) d Details as applicat gner as per ANSI/TF roof LL: Lum DOL=1.15 Plate	r right ; iss), ole, ole, 1.15							An annual and a second s		SEA 0363	• –

- 2 only. For stude exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified bilding designer as per ANSI/TPI 1. TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15
- 3) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

GI 11111111 August 5,2022



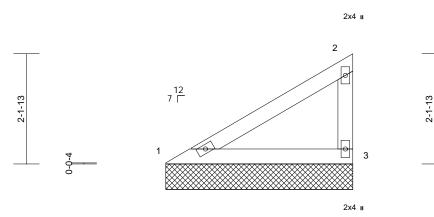
Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	V6	Valley	1	1	Job Reference (optional)	153485663

3-7-14

Carter Components (Sanford), Sanford, NC - 27332,

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:54 ID:OH8R8DIxto2i?5m_NnIGQEzhpLs-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



2x4 🍃

3-7-14

Scale - 1.22 5

Scale = 1:22.5												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 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/TPI20	CSI TC BC WB Matrix-MP	0.21 0.25 0.00	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: 13 lb	GRIP 244/190 FT = 20%
	Max Horiz 1=66 (LC Max Uplift 1=-13 (LC Max Grav 1=197 (LC	xcept end verticals. applied or 10-0-0 o 3=3-7-14 11) 2 14), 3=-32 (LC 14) 2 20), 3=197 (LC 20	chord 8) * This on the 3-06-0 chord 9) Provic c bearin 3 and 10) This tr Interna R802.	uss has been designe live load nonconcurrer truss has been design bottom chord in all ard 0 tall by 2-00-00 wide and any other membe e mechanical connect g plate capable of with 13 lb uplift at joint 1. uss is designed in acc titional Residential Coo 10.2 and referenced st SE(S) Standard	nt with any ned for a liv eas where will fit betw rs. tion (by oth nstanding 3 cordance w de sections	other live loa e load of 20.0 a rectangle veen the botto ers) of truss t 32 lb uplift at j ith the 2018 5 R502.11.1 a	Opsf om to joint					
FORCES	(lb) - Maximum Corr Tension	pression/Maximum										
TOP CHORD BOT CHORD	1-2=-289/54, 2-3=-1 1-3=-61/240	30/46										
NOTES	1-3=-01/240											
1) Wind: ASC Vasd=103r Cat. II; Exp zone and C exposed ; o members a Lumber DC	CE 7-16; Vult=130mph mph; TCDL=6.0psf; B o B; Enclosed; MWFR C-C Exterior(2E) zone end vertical left and rig and forces & MWFRS OL=1.60 plate grip DC	CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and l ght exposed;C-C for for reactions shown pL=1.60	or right ;							a sull	OR FESS	NRO INT
only. For s	igned for wind loads in studs exposed to wind ard Industry Gable En qualified building desi	(normal to the face d Details as applical), ble,							25		A. T
 TCLL: ASC Plate DOL: 	CE 7-16; Pr=20.0 psf (=1.15); Pf=20.0 psf (L); Is=1.0; Rough Cat E	roof LL: Lum DOL= um DOL=1.15 Plate	1.15								SEA 0363	• –
4) Unbalance design.	ed snow loads have be	en considered for th	nis							11	NGIN	EERIA
5) Gable requ	uires continuous botto ds spaced at 4-0-0 oc.	m chord bearing.								11	CA. C	ILBETTIT

August 5,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	V7	Valley	1	1	Job Reference (optional)	153485664

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:54



ID:0ILz7n71FXTegPJq9RmMpDytw76-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 8-6-13 4-3-7 8-1-10 4-3-7 3-10-4 4x5 = 2 2-10-8 2-0-12 8 Г 3 0-0-4 4 3x5 🍫 2x4 II 3x5 💊 8-6-13

Scale = 1:28.5													
.oading TCLL (roof) Snow (Pf) TCDL SCLL SCDL	(psf) 20.0 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	8/TPI2014	CSI TC BC WB Matrix-MP	0.37 0.36 0.11	DEFL Vert(LL) Vert(TL) Horiz(TL)	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: 30 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.3 Structural wood she 8-6-13 oc purlins. Rigid ceiling directly bracing.	applied or 6-0-0 oc 3=8-6-13, 4=8-6-13 (10) (21), 3=-38 (LC 20), (14) (20), 3=104 (LC 21) (20) (15), 3=104 (LC 21) (16), 327	6) 7) 8) 9)), 10	Plate DOL= DOL=1.15); Cs=1.00; Ct Unbalanced design. Gable requi Gable studs This truss h chord live lo * This truss on the botto 3-06-00 tall chord and a) Provide met bearing plat 1, 38 lb uplii) This truss is Internationa	I snow loads have res continuous It spaced at 4-0-0 as been designe ad nonconcurre has been design m chord in all al by 2-00-00 wide ny other member chanical connect e capable of witi ft at joint 3 and 7 designed in act I Residential Co and referenced s	sing (Lum DC Cat B; Fully ve been con bottom chor 0 oc. ed for a 10.0 ed for a 10.0 ent with any ned for a liv reas where e will fit betw ers. tion (by oth thstanding 3 74 Ib uplift a cordance w ode sections	DL=1.15 Plate Exp.; Ce=0.9 asidered for the d bearing. D psf bottom other live load e load of 20.1 a rectangle veen the both ers) of truss i 8 lb uplift at j t joint 4. ith the 2018 i R502.11.1 a	e 9; his ads. Opsf com to joint					
this design 2) Wind: ASC Vasd=103	ed roof live loads have n. CE 7-16; Vult=130mph mph; TCDL=6.0psf; B(p B; Enclosed; MWFR3	(3-second gust) CDL=6.0psf; h=25ft;									- AN	OR FESS	ROLINI,

zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Exterior(2R) 3-0-6 to 5-7-3, Exterior(2E) 5-7-3 to 8-7-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Truss designed for wind loads in the plane of the truss 3) 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.

annunnun annun a COLOR WAYNESS SEAL 036322 GI 11111111 August 5,2022



Job	Truss	Truss Type	Qty	Ply	DRB GROUP - 121 FaNC	
22080003	V8	Valley	1	1	Job Reference (optional)	153485665

2-6-7

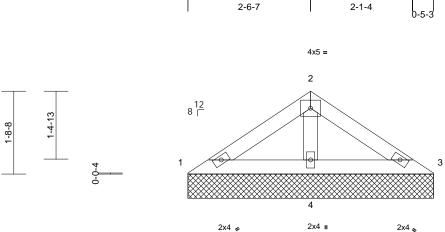
Carter Components (Sanford), Sanford, NC - 27332,

Run: 8.53 S Jul 18 2022 Print: 8.530 S Jul 18 2022 MiTek Industries, Inc. Thu Aug 04 09:17:54 ID:Qt15lp9wYSrDXt2PqaK3Rrytw73-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4-7-10

5-0-13

Page: 1



2x4 💊

5-0-13

Scale = 1:23.8

Scale = 1:23.8												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.09 0.11 0.04	DEFL Vert(LL) Vert(TL) Horiz(TL)	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: 17 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 5-0-13 oc purlins. Rigid ceiling directly bracing. (size) 1=5-0-13, Max Horiz 1=36 (LC Max Uplift 1=-5 (LC (LC 14) Max Grav 1=88 (LC (LC 21)	applied or 6-0-0 oc 3=5-0-13, 4=5-0-13 11) 14), 3=-11 (LC 15),	 design. 6) Gable rec 7) Gable stu 8) This truss chord live 9) * This truss on the bo 3-06-00 ta chord and 10) Provide m bearing p 1, 11 lb u 4=305 	ed snow loads have juires continuous be ds spaced at 4-0-0 has been designe load nonconcurrer ss has been design ttom chord in all are all by 2-00-00 wide any other membe nechanical connecti late capable of with olift at joint 3 and 2 is designed in acc nal Residential Coc	ottom chor oc. d for a 10. nt with any ed for a liv eas where will fit betw rs. ion (by oth sstanding § 7 Ib uplift a ordance w de sections	d bearing. 0 psf bottom other live loa re load of 20.0 a rectangle veen the botto ers) of truss t 5 lb uplift at joint t joint 4. ith the 2018 \$ R502.11.1 a	ds. Dpsf om o					
FORCES	(lb) - Maximum Com Tension 1-2=-86/115, 2-3=-8	7/115		2 and referenced st (S) Standard	andard Ai	NSI/TPTT.						
BOT CHORD WEBS	1-4=-88/80, 3-4=-88 2-4=-189/96	/80										
NOTES	2 1 100,00											
,	ed roof live loads have	been considered fo	r								minin	11111
Vasd=103 Cat. II; Exp zone and (exposed ; members a Lumber D0 3) Truss des only. For see Standa	I. CE 7-16; Vult=130mph imph; TCDL=6.0psf; B p B; Enclosed; MWFR C-C Exterior(2E) zone end vertical left and rig and forces & MWFRS OL=1.60 plate grip DC signed for wind loads ir studs exposed to wind lard Industry Gable En qualified building desig	CDL=6.0psf; h=25ft; S (envelope) exterior; cantilever left and i ght exposed;C-C for for reactions shown vL=1.60 n the plane of the tru (normal to the face; d Details as applical	or right ; iss), ble,						Willing	The second secon	SEA 0363	• -
4) TCLL: ASC Plate DOL	CE 7-16; Pr=20.0 psf (_=1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat E	roof LL: Lum DOL= um DOL=1.15 Plate	1.15								201111	



