Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 44197 JOB: 24-0266-R01 JOB NAME: LOT 95 PROVIDENCE CREEK Wind Code: 37 Wind Speed: Vult= 120mph Exposure Category: B Mean Roof Height (feet): 35 These truss designs comply with IRC 2015 as well as IRC 2018. 19 Truss Design(s)

Trusses:

R01, R02, R03, R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, SP01, SP02, VT01, VT02, VT03, VT04



Warning !--- Verify design parameters and read notes before use.

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to



Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUA	Y-VARINA, NC
24-0266-R01	R01	Common Supported Gable	1	1	Job Reference (optional)	# 44197
			Run: 8.430 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Industries, Inc.	Mon Jan 15 20:44:40 2024 Page 2

ID:c_P6kT8h891B1fTkFc00gMyzUGu-ahWCH3KCnbE8zx8HH6sTUtoeDg2aFV?qX9gzxJzv01r 14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

15) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUA	Y-VARINA, NC
24-0266-R01	R02	DUAL RIDGE GABLE	1	1	Job Reference (optional)	# 44197
		Ru	in: 8.430 s Feb 12	2021 Print:	8.430 s Feb 12 2021 MiTek Industries, Inc.	Mon Jan 15 20:44:41 2024 Page 2

ID:c_P6kT8h891B1fTkFc0OgMyzUGu-2t4aUPKqYvM?a5jTrqNi15LkI4K6_si_lpQXTmzv01q 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUAY-	VARINA, NC
24-0266-R01	R03	Common	3	1	Job Reference (optional)	# 44197
	·	Run: 8.4: ID	30 s Feb 12 :c_P6kT8l	2021 Print: 1891B1fTk	8.430 s Feb 12 2021 MiTek Industries, Inc. M (Fc0OgMyzUGu-X4eyilLSJCUsCEIgPXu	lon Jan 15 20:44:42 2024 Page 2 JxZluuiUV5jGS7_T94?Czv01p

LOAD CASE(S) Standard



1/15/2024

Job	Truss	Truss Type		Qty	Ply	LOT 95 PROVIDENCE CREE	EK FUQUAY-VARINA, NC
24-0266-R01	R04	COMMON G	RDER	1	3	Ich Poforonco (ontional)	# 44197
	1			Run: 8.430 s Feb 12	2021 Print: B1fTkEc0	8.430 s Feb 12 2021 MiTek Ir OdMyzLIGu-2GCKy5M54	ndustries, Inc. Mon Jan 15 20:44:43 2024 Page 1
	5-1-	2	10-0-0	14-1	0-4	20-0-0	
	-1-6	12	4-10-4	4-10)-4	5-1-12	
				5x8 =			Scale = 1:43.6
				4			
			/				
		7.00 12		\square			
		1×6 /				476.5	
		-70 -			\frown		
0		TI				ATT	
6-1,	4x6 ⋍		\sim	W3			- 176
	2						6 + 40 <
		W1	W2	W	2	wi 🏹	7
	HW1						HWA
		В ₽					
1	11	12 10	13 14	<u> </u>		16 <u>17</u>	18
	6x8 HTU26	HTU26 3x10	HTU26	7x8 = HTU26	6	o 3x10 H⁻	TU26 ^{6x8}
		0,110	HTU26	HTU26	HT	U26 HTU26	
	5-1-1	2	10-0-0	14-1	0_4	20-0-0	
Diata Offacta (X X) [0:0	5-1-	2	4-10-4	4-10)-4	5-1-12	
I OADING (nsf)	-4-0,0-4-6]						
TCLL (roof) 20.0	Plate Grip D0	2-0-0 DL 1.15	CSI. TC 0.54	DEFL. Vert(LL)	in (lo -0.07 9-	oc) l/defl L/d 10 >999 240	PLATES GRIP MT20 244/190
Snow (Pf) 20.0 TCDL 10.0	Lumber DOL	1.15	BC 0.83	Vert(CT)	-0.15 9-	10 >999 180	
BCLL 0.0 *	Code IRC202	21/TPI2014	Matrix-SH	Horz(CT)	0.05	7 n/a n/a	Weight: 437 lb FT = 20%
LUMBER-				BRACING-			
TOP CHORD 2x6 SP No	0.2			TOP CHORD	Structura	al wood sheathing direct	tly applied or 6-0-0 oc purlins.
WEBS 2x4 SP No	5.1 5.3			BOT CHORD	Rigia ce	ling directly applied or	10-0-0 oc bracing.
SLIDER Left 2x4 S	P No.3 -° 2-11-5, Righ	t 2x4 SP No.3 -°	2-11-5				
REACTIONS. (lb/size)	1=6789/0-3-8 (min. 0	-2-12), 7=6976/0	·3-8 (min. 0-2-14)				
Max Horz Max Uplift	1=-141(LC 37) 1=-716(LC 12), 7=-66	3(LC 13)					
Max Grav	1=6930(LC 5), 7=726	9(LC 6)					
FORCES. (lb) - Max. Co	mp./Max. Ten All fo	ces 250 (lb) or le	ss except when shown.	0007/040			
10P CHORD 1-2=-100 6-7=-102	252/919 252/919	6, 3-4=-7390/739	9, 4-5=-7392/739, 5-6=-1	0207/948,			
BOT CHORD 1-11=-84 9-14=-84	17/8297, 11-12=-847/8	297, 10-12=-847 86 15-16=-713/	8297, 10-13=-847/8297	, 13-14=-847/8297 -17=-713/8486	,		
17-18=-7	13/8486, 7-18=-713/8	486					
WEBS 4-9=-620	0/6771, 5-9=-2595/333	, 5-8=-244/3427,	3-9=-2406/385, 3-10=-2	97/3204			
NOTES- (12-15)	acted together with 10	l (0 131"v3") nail	as follows:				
Top chords connected	as follows: 2x6 - 2 rov	vs staggered at (-9-0 oc.				
Bottom chords connec Webs connected as fo	ited as follows: 2x6 - 2 Ilows: 2x4 - 1 row at 0	rows staggered	at 0-5-0 oc.				
2) All loads are considered	ed equally applied to a	Il plies, except if	noted as front (F) or bac	k (B) face in the LC	DAD CAS	E(S) section. Ply to ply	
3) Unbalanced roof live lo	bads have been considered to distribute	dered for this des	ign.	nerwise indicated.			
4) Wind: ASCE 7-16; Vul (envelope) gable end z	t=120mph (3-second (zone: cantilever left an	gust) Vasd=95mp d right exposed :	h; TCDL=5.0psf; BCDL= end vertical left and righ	=5.0psf; h=35ft; Ca	r DOI =1	B; Enclosed; MWFRS 60 plate grip DOI =1 60	CAR CAR
5) TCLL: ASCE 7-16; Pr=	20.0 psf (roof LL: Lun	n DOL=1.15 Plate	DOL=1.15); Pf=20.0 ps	f (Lum DOL=1.15	Plate DO	L=1.15); ls=1.0; Rough	Service Service
6) Unbalanced snow load	Ce=1.0; Cs=1.00; Ct=1 Is have been consider	.10 ed for this desigr				inn,	A BOLLO PART A THE
7) This truss has been de	esigned for a 10.0 psf	bottom chord live	load nonconcurrent with	any other live loa	ds. de 3 6 0	tall by 1.0.0 wide will fit	SEAL
between the bottom ch	ord and any other me	mbers.			gie 0-0-0		28147
9) Provide mechanical cc 7=663.	onnection (by others) c	r truss to bearing	plate capable of withsta	inding 100 lb uplift	at joint(s) except (jt=lb) 1=716,	No. Al
10) Use Simpson Strong-	Tie HTU26 (20-10d G	irder, 11-10dx1 1	/2 Truss, Single Ply Gird	ler) or equivalent s	paced at	2-0-0 oc max. starting	A POINEER OF
11) Fill all nail holes when	re hanger is in contact	with lumber.	iu (i piy 2x4 SP), RTT (1 piy 224 SP) 10 Da			Min K. MOHumm
							1/15/2024
Californing by Marine Plasian	naramatars and road n	atas hafara usa Th	e decign is based only ynon	paramaters shown or	nd is for an	individual building compon	I/IJ/2024

Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUA	Y-VARINA, NC
24-0266-R01	R04	COMMON GIRDER	1	3	Job Reference (optional)	# 44197
		Ru	in: 8.430 s Feb 12	2021 Print:	8.430 s Feb 12 2021 MiTek Industries. Inc.	Mon Jan 15 20:44:43 2024 Page 2

ID:c_P6kT8h891B1fTkFc0OgMyzUGu-?GCKv5M54WcjqOtsyFPA6WQ2rutLSeyGD7veYezv01o

12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-4=-60, 4-7=-60, 1-7=-20

Concentrated Loads (lb)

Vert: 9=-1371(B) 11=-1286(B) 12=-1286(B) 13=-1371(B) 14=-1371(B) 15=-1371(B) 16=-1371(B) 17=-1371(B) 18=-1371(B)



1/15/2024



Installation guide

REACTIONS. (lb/size) 4=189/5-0-0 (min. 0-1-8), 2=251/5-0-0 (min. 0-1-8) Max Horz 2=70(LC 13) Max Uplift4=-40(LC 14), 2=-63(LC 10) Max Grav 4=253(LC 21), 2=344(LC 21)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-(11-14)

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Corner(3E) 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
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
- 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; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) 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 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads. Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 9) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 14) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUA	Y-VARINA, NC
24-0266-R01	R07	Monopitch	2	1	Job Reference (optional)	# 44197
			Run: 8.430 s Feb 12	2021 Print:	8.430 s Feb 12 2021 MiTek Industries, Inc.	Mon Jan 15 20:44:44 2024 Page

10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

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 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUA	Y-VARINA, NC
24-0266-R01	R08	GABLE	1	1	Job Reference (optional)	# 44197

n: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Mon Jan 15 20:44:45 2024 Page 2 ID:c_P6kT8h891B1fTkFc0OgMyzUGu-xfJ5KmOLc7sQ3i1F4gReBxWSihh6wlvZgROkcXzv01m

LOAD CASE(S) Standard



1/15/2024



Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUA	Y-VARINA, NC
24-0266-R01	R09	GABLE	1	1	Job Reference (optional)	# 44197
		R	Run: 8.430 s Feb 12	2021 Print:	: 8.430 s Feb 12 2021 MiTek Industries, Inc.	Mon Jan 15 20:44:46 2024 Page 2

10:c_P6kT8h91BffTKFcOQgMyzUGu-PrtTY60zNR?HhscReNztk82fd54FfAPjv47l8zzv01l 14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 15) Bearing symbols are not considered in the structural design of the truss to support the

loads indicated. 16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing

17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 11-10-6, Exterior(2R) 11-10-6 to 21-5-10, Interior(1) 21-5-10 to 28-0-2, Exterior(2E) 28-0-2 to 32-10-12 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) 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; Partially Exp.; Ce=1.0; 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 2.00 times flat roof load of 20.0 psf on overhangs

- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) Refer to girder(s) for truss to truss connections.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=179

Cat B; Partially Exp.; Ce=1.0; 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 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=79, 11=156.

1/15/2024

Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUA	Y-VARINA, NC
24-0266-R01	R10	Common	2	1	Job Reference (optional)	# 44197
		Ru	in: 8.430 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Industries, Inc.	Mon Jan 15 20:44:47 2024 Page

ID:c_P6kT5h891B1TTkFc00gMyzUGu-11RtlSPb8178l0AdB5U6GMbj9VC30Z6s8ktrhPzv01k 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 11) Bearing symbols are not considered in the structural design of the truss to support the

loads indicated. 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing

 Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUAY-VARINA, NC	
24-0266-R01	R11	Common	7	1	Job Reference (optional) # 4	4197
		Run: 8	430 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Industries, Inc. Mon Jan 15 20:4	44:47 2024 Page 2

ID:c_P6kT8h891B1fTkFc0OgMyzUGu-t1RrlSPb8l78l0AdB5U6GMbilVEgOYBs8ktrhPzv01k 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 14) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



1/15/2024



	8-5-12	8-2-4		8-2-4	33 8-(-5-12	
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.52 BC 0.95 WB 0.46 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl -0.22 13-15 >999 -0.35 13-15 >999 0.09 12 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 198 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP No.: BOT CHORD 2x4 SP No.: WEBS 2x4 SP No.: W1: 2x6 SP REACTIONS. (lb/size) 1	2 2 3 *Except* No.2 8=1381/0-3-8 (min. 0-1-10), 12=1381	/0-3-8 (min. 0-1-10)	BRACING- TOP CHORD BOT CHORD WEBS	Structural wood shea end verticals. Rigid ceiling directly 1 Row at midpt MiTek recommend be installed during Installation guide.	athing directly a applied or 2-2- 7-15, 5-1 Is that Stabilize truss erection,	applied or 3-9-5 oc p -0 oc bracing. 15, 3-18, 9-12 ers and required cros , in accordance with	ourlins, except ss bracing Stabilizer
Max Horz 1 Max Uplift1	8=121(LC 13) 8=-179(LC 14), 12=-179(LC 15)						
FORCES. (ib) - Max. Com TOP CHORD 2-3=-377/ 6-20=-147 2-18=-365 BOT CHORD 17-18=-28 15-23=-12 WEBS 6-15=-156 3-18=-176 NOTES- (9-12) 1) Unbalanced roof live loa 2) Wind: ASCE 7-16; Vult Roof; Common Truss; M Exterior(2R) 11-10-6 to end vertical left and righ 3) TCLL: ASCE 7-16; Pr=2 Cat B; Partially Exp.; Ce 4) Unbalanced snow loads 5) This truss has been des non-concurrent with othe 6) This truss has been des 7) * This truss has be	p./Max. Ten All forces 250 (ib) or le 35, 3-4=-1950/302, 4-5=-1883/319, 5- 0/330, 7-20=-1477/307, 7-8=-1883/31 118, 10-12=-365/118 5/1716, 16-17=-167/1556, 16-21=-16' 4/1556, 23-24=-124/1556, 14-24=-12' 1/046, 7-15=-594/205, 7-13=-27/340, 3/237, 9-12=-1763/237 ds have been considered for this des 120mph (3-second gust) Vasd=95mp IWFRS (envelope) gable end zone ar 21-5-10, Interior(1) 21-5-10 to 29-4-14 t exposed;C-C for members and force 10.0 psf (roof LL: Lum DOL=1.15 Plate =1.0; Cs=1.00; Ct=1.10 have been considered for this design igned for greater of min roof live load ar live loads. igned for a 10.0 psf bottom chord live signed for a live load of 30.0psf on th rd and any other members, with BCDI nection (by others) of truss to bearing	ss except when shown. I9=-1477/307, 6-19=-14 9, 8-9=-1950/302, 9-10= 7/1556, 21-22=-167/1555 I/1556, 13-14=-124/1555 5-15=-594/205, 5-17=-2 gn. h; TCDL=5.0psf; BCDL= d C-C Exterior(2E) -0-10 , Exterior(2E) 29-4-14 to s & MWFRS for reaction DOL=1.15); Pf=20.0 ps of 12.0 psf or 2.00 times load nonconcurrent with e bottom chord in all are = 10.0psf. plate capable of withsta	-70/330, =-377/95, 6, 15-22=-167/15 6, 12-13=-178/170 7/340, =5.0psf; h=35ft; C 0-8 to 3-11-2, Inte 0 34-2-8 zone; car hs shown; Lumbe of (Lum DOL=1.15 a flat roof load of 2 h any other live loa eas where a rectar anding 100 lb uplif	56, 56 at. II; Exp B; Enclosed rior(1) 3-11-2 to 11-10 tilever left and right e: r DOL=1.60 plate grip Plate DOL=1.15); Is= 20.0 psf on overhangs ads. ngle 3-6-0 tall by 1-0-0 t at joint(s) except (jt=1)	d; Gable 0-6, xposed ; DOL=1.60 =1.0; Rough 0 wide will fit 1b) 18=179,	SEAL 28147	ALL THERE AND

1/15/2024

Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUAY-VARINA, NC
24-0266-R01	R12	COMMON	8	1	Job Reference (optional) # 44197
		F	Run: 8.430 s Feb 12	2021 Print:	8.430 s Feb 12 2021 MiTek Industries, Inc. Mon Jan 15 20:44:47 2024 Page

ID:c_P6kT8h891B1fTkFc0OgMyzUGu-t1RrlSPb8l78l0AdB5U6GMbj8VDIOZKs8ktrhPzv01k

9) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

11) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 12) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

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Continuing GP page Alesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Trusse Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 95 PROVIDENCE CREEK FUQUA	Y-VARINA, NC
24-0266-R01	R13	Common Supported Gable	1	1	Job Reference (optional)	# 44197
			Run: 8.430 s Feb 12	2021 Print:	: 8.430 s Feb 12 2021 MiTek Industries, Inc.	Mon Jan 15 20:44:48 2024 Page 2

10:c_P6T8h691B1fTkFc0OgMyzUGu-LE?DyoQDv2F?w9lpic?Lp28?Dvml74v?M0cODszv01j
 14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 15) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing

17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard













