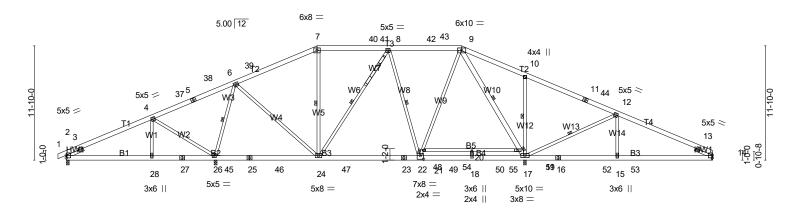
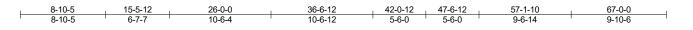


Scale = 1:119.5





## **REPAIR(S) REQUIRED**

Plate Offsets (2	X,Y) [22:0-4	-0,0-4-8]					• -				
LOADING (psf) TCLL (roof) Snow (Pf) TCDL BCLL BCDL	) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TF	2-0-0 1.15 1.15 YES I2014		0.69 0.67 0.93 ix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.31 20-21 -0.43 20-21 0.03 17	l/defl >999 >893 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 531 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS SLIDER	2x6 SP No.2 B4: 2x6 SP D 2x4 SP No.3 W10: 2x6 SP Left 2x4 SP N	ISS, B5: 2x4 SP No.2 *Except* No.2 Jo.3 -ì 1-11-0, Right 2x4				BRACING- TOP CHORD BOT CHORD WEBS	Rigid ceiling 6-0-0 oc bra 1 Row at m MiTek rec be installe	g directly acing: 19 idpt ommend d during	applied or 9 -21 6-26, 7 s that Stabil	tly applied or 6-0-0 oc 0-8-5 oc bracing. Exca 7-24, 8-24, 8-22, 9-19, izers and required crc on, in accordance with	ept: , 10-17, 12-17 oss bracing
<ul> <li>SLIDER Left 2x4 SP No.3 -1 1-11-0, Right 2x4 SP No.3 -1 1-11-0</li> <li>be installed during truss erection, in accordance with Stabilizer Installation guide.</li> <li>REACTIONS. All bearings 0-3-8 except (jt=length) 14=Mechanical. (ib) - Max Horz 2=172(LC 14) Max Uplift 100 ib or less at joint(s) except 2=-102(LC 14), 26=-229(LC 14), 17=-146(LC 15), 14=-126(LC 15)</li> <li>Max Grav All reactions 250 ib or less at joint(s) except 2=628(LC 41), 26=2357(LC 45), 17=3149(LC 45), 14=664(LC 43)</li> <li>FORCES. (ib) - Max. Comp./Max. Ten All forces 250 (ib) or less except when shown. TOP CHORD 2-3=-394/0, 3-4=-694/117, 6-38=0/293, 6-39=-1177/275, 7-39=-1127/305, 7-40=-1040/327, 40-41=-1040/327, 8-41=-1040/327, 8-42=-1182/289, 42-43=-1182/289, 9-43=-1182/289, 9-10=-29/454, 10-11=0/479, 11-44=0/261, 12-13=-863/204, 13-14=-401/0</li> <li>BOT CHORD 2-28=-191/580, 27-28=-191/580, 26-27=-191/580, 26-45=-42/415, 25-45=-42/415, 25-46=-42/415, 24-47e=-191/1310, 23-47e=-19/1310, 22-48=-19/1310, 22-49=0/839, 18-50=0/839, 50-51=0/839, 17-51=0/839, 16-17=-101/731, 16-52=-101/731, 15-53=-101/731, 14-53=-101/731</li> <li>WEBS 4-28=0/286, 4-26=-816/239, 6-26=-1884/299, 6-24=-171/003, 8-24=-455/59, 8-22=-553/197, 21-22=-54/1139, 9-21=-28/1266, 9-19=-1829/158, 17-19=-1920/133, 10-17=-865/263, 12-17=-1114/287, 12-15=0/280, 18-20=-360/0</li> </ul>											
2) Apply 49" lo (0.131"x3") i 3) Repairs spe 4) Unbalanced 5) Wind: ASCE Roof; Hip Tr	dition: web ha ng 2x4 SP No nails spaced 2 cified by this roof live load 7-16; Vult=1 russ; MWFRS	as 0-8-0 long break cen 0.2 scab to front side(s) 2" o.c. from front face. I program will be subject s have been considere 20mph (3-second gust) (envelope) gable end 2 9.6 Interior(1).22 e	of truss cent Ainimum 0-3 to review an d for this des Vasd=95mp cone and C-0	ered on da -0 end dist d change. sign. oh; TCDL= C Exterior(2	image locat ance. 5.0psf; BCD 2E) -0-10-8	0L=5.0psf; h=35ft; to 5-9-14, Interior	Cat. II; Exp E	3; Enclos 19-3-10,			

Exterior(2R) 19-3-10 to 32-8-6, Interior(1) 32-8-6 to 34-3-10, Exterior(2R) 34-3-10 to 47-6-12, Interior(1) 47-6-12 to 60-3-10, Exterior(2E) 60-3-10 to 67-0-0 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

	Job	Truss	Truss Type	Qty	Ply	LOT 29 PROVIDENCE CREEK   45 COTTONSEED LANE FUQUAY-VARINA,
	23-7720-R01	R02RP1	Piggyback Base	8	1	Job Reference (optional)
Atlantic Building Components, Moncks Corner, South Carolina						8 430 s Eeb 12 2021 MiTek Industries Inc. Fri Jan 5 14:38:25 2024 Page 2

ID:20YuXCSZgcKAUakfxRI2BEyzqFZ-jKm54ab4AhzIm5QWC9BXYvvgImuHJXv3uQ0ZFHzy0LC

NOTES- (16-19)

- 6) 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
- 7) Unbalanced snow loads have been considered for this design.
- 8) 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. 9) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's
- authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the
- permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 10) Provide adequate drainage to prevent water ponding. 11) All plates are 5x6 MT20 unless otherwise indicated.
- 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 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.
- 14) Refer to girder(s) for truss to truss connections.
- 15) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 2, 229 lb uplift at joint 26, 146 lb uplift at joint 17 and 126 lb uplift at joint 14.
- 16) 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.
- 17) 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.
- 18) 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.
  19) 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