



Loading Criteria (psf) TCELL: 20.00 TCDDL: 18.00 BCLL: 0.00 BCDDL: 8.00 Des Ld: 46.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 110 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.89 ft TCDDL: 10.8 psf BCDDL: 4.8 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.05 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: CBC 2016 TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:8(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.232 F 999 240 VERT(CL): 0.654 F 556 180 HORZ(LL): 0.103 E - - HORZ(TL): 0.291 E - - Creep Factor: 2.0 Max TC CSI: 0.875 Max BC CSI: 0.838 Max Web CSI: 0.978 VIEW Ver: 19.02.02B.0122.16	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1847 /- /- /1016 /- /247 K 1741 /- /- /833 /23 /- Wind reactions based on MWFRS B Brg Width = 5.5 Min Req = 2.0 K Brg Width = 5.5 Min Req = 1.9 Bearing B is a rigid surface. Bearing K Fcperp = 625psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.					
				Lumber Top chord 2x4 DF-L #1&Bet.(g) Bot chord 2x4 DF-L #1&Bet.(g) Webs 2x4 DF-L Standard(g) W9 2x6 DF-L #2(g); Lumber shall be dried to a maximum moisture content of 19% prior to installation.	Loading Bottom chord checked for 10.00 psf non-concurrent live load. Truss checked for 300# live and 0# dead movable load along Top Chord, non-concurrent with any other live loads. Truss checked for 250# movable concentrated load along Bottom Chord, nonconcurrent with design gravity loads.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 216 -3168 G - H 530 -5202 D - F 768 -5734 H - I 304 -3709 F - G 524 -5207			

Bracing
 (a) Continuous lateral restraint equally spaced on member.

Special Loads
 (Lumber Dur.Fac=1.25 / Plate Dur.Fac.=1.25)
 TC: From 80 plf at -1.63 to 80 plf at 11.79
 TC: From 76 plf at 11.79 to 76 plf at 13.00
 TC: From 176 plf at 13.00 to 176 plf at 17.00
 TC: From 76 plf at 17.00 to 76 plf at 30.46
 BC: From 4 plf at -1.63 to 4 plf at 0.00
 BC: From 16 plf at 0.00 to 16 plf at 30.46
 BC: 12 lb Conc. Load at 24.00

- ① 2x6 scab 1-side, 16' long, locate as shown.
Nail 16d @ 6" O/C plus 1-16d in each web.
- ② Min. 7/16" x 12" x 24" OSB both sides.
See "Gusset Notes" below for nailing.

8d = Min. 0.113 x 2-3/8" gun nail
 10d/16d = Min. 0.131 x 3" gun nail

REPAIR LUMBER TO BE DFL OR SP #2 OR BETTER

Gusset Notes: All gussets minimum 7/16" thick OSB, installed both sides of truss, centered at the joint, U.N.O. Nail 8d @ 3" O/C in all members, both sides.	Gussets specified as OSB (Oriented Strand Board) can be substituted with other Wood Structural Panel material such as plywood.	CERTIFICATION IS FOR DESIGN CHECK OR REPAIR ONLY. EXISTING LOADS, DIMENSIONS AND FIELD CONDITIONS INFO WAS PROVIDED BY OTHERS.
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Digitally sealed
 Nov. 3, 2020