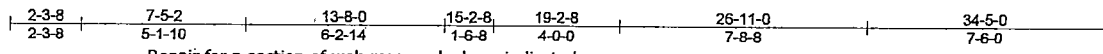


Scale = 1:66.9



Repair for a section of web removed where indicated.

Attach 1/2" Plywood or 7/16" OSB (APA Rated Sheathing Exposure 1) gusset to both sides of truss as shown with two rows of 10d (.131" x 3") nails 4" oc in all members from each face, driven through both sheets of plywood, and attach 2x4 SPF NO.2 scab to one face of top chord as indicated with two rows of 10d nails 4" oc. This detail may be used for A5, A6, A7, and A8.

Plate Offsets (X, Y) - [B:0-0-4,Edge], [D:0-3-0,0-3-0], [I:0-3-0,0-3-0], [K:0-0-0,0-2-9], [M:0-3-0,0-3-0], [P:0-4-8,0-2-4], [R:0-3-4,0-2-0], [T:0-2-10,0-1-0], [T:0-3-0,0-3-7]

LOADING (psf)	SPACING- 2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.86	Vert(LL) -0.21	N-O	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.84	Vert(TL) -0.61	N-O	>675	180		
BCLL 0.0	Rep Stress Incr YES	WB 0.83	Horz(TL) 0.26	K	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-MSH						
							Weight: 259 lb	FT = 4%

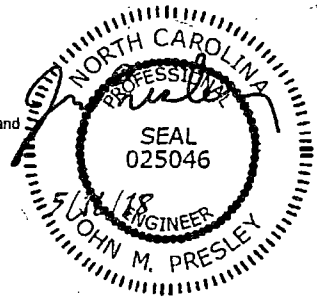
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purins, except 2-0-0 oc purins (4-11-7 max.); F-G.
BOT CHORD 2x4 SP No.2 "Except" B3: 2x4 SP No.1, B4: 2x4 SP No.3, B1: 2x6 SP SS	BOT CHORD Rigid ceiling directly applied or 9-7-8 oc bracing. Except: 1 Row at midpt E-R
WEBS 2x4 SP No.3	WEBS 6-0-0 oc bracing: N-O
SLIDER Right 2x4 SP No.3 1-11-0	1 Row at midpt F-P, H-O

REACTIONS. (lb/size) B=1513/0-3-8, K=1592/0-3-8
Max Horz B=309(LC 3)
Max Uplift B=161(LC 5), K=114(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/29, B-W=-1662/162, C-W=-4090/446, C-D=-2547/218, D-E=-1894/179, E-F=-1828/319, F-G=-1281/177, G-H=-1601/162, H-I=-2169/237, I-J=-2229/74, J-Z=-881/0, K-Z=-1041/0, K-L=0/33
BOT CHORD S-T=-425/3163, R-S=-157/2088, Q-R=0/61, E-R=-281/242, P-Q=-40/45, P-AI=0/1609, AC-AI=0/1609, AC-AJ=0/1609, AD-AJ=0/1609, M-AD=0/1609, M-AE=0/1765, AE-AF=0/1765, AA-AF=0/1765, Y-AA=-127/802, V-X=-280/765, T-X=-464/3438, O-AK=-126/12, AG-AK=-126/12, AG-AL=-126/12, AH-AL=-126/12, N-AH=-126/12
WEBS C-S=-1091/274, D-S=0/466, D-R=-725/238, P-R=0/1301, F-R=-309/1010, F-P=-228/250, G-P=-12/649, I-M=-292/276, H-N=-145/599, M-N=-180/497, O-P=-621/170, H-O=-509/199, C-T=-101/1019, B-V=-1255/178, W-X=-92/32, V-W=-1294/133, B-X=-98/1129, K-Y=-806/0, AA-AB=-66/208, Z-AB=0/265, K-AB=0/507, Y-AB=-687/193, J-AB=-1583/242

- NOTES- (10)**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCCL=6.0psf, BCCL=6.0psf, h=35ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 100.0lb AC unit load placed on the bottom chord, 21-6-0 from left end, supported at two points, 1-8-0 apart.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) Bearing at joint(s) B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 161 lb uplift at joint B and 114 lb uplift at joint K.
 - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size, or the orientation of the purlin along the top and/or bottom chord.
 - 10) This repair has been prepared based on information and use conditions supplied by client. Designer has made a good faith effort to outline damage and repair conditions as reported by client. When actual field conditions do not approximate those indicated on this drawing, client shall immediately inform the engineer and refrain from applying the repair.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.