Job	Truss	Truss Type	Qty	Ply	Paragon ID: 19602
PARAGONJOB 19602	B01-ALT	COMMON	0	1	P1786628

Job Reference (optional)

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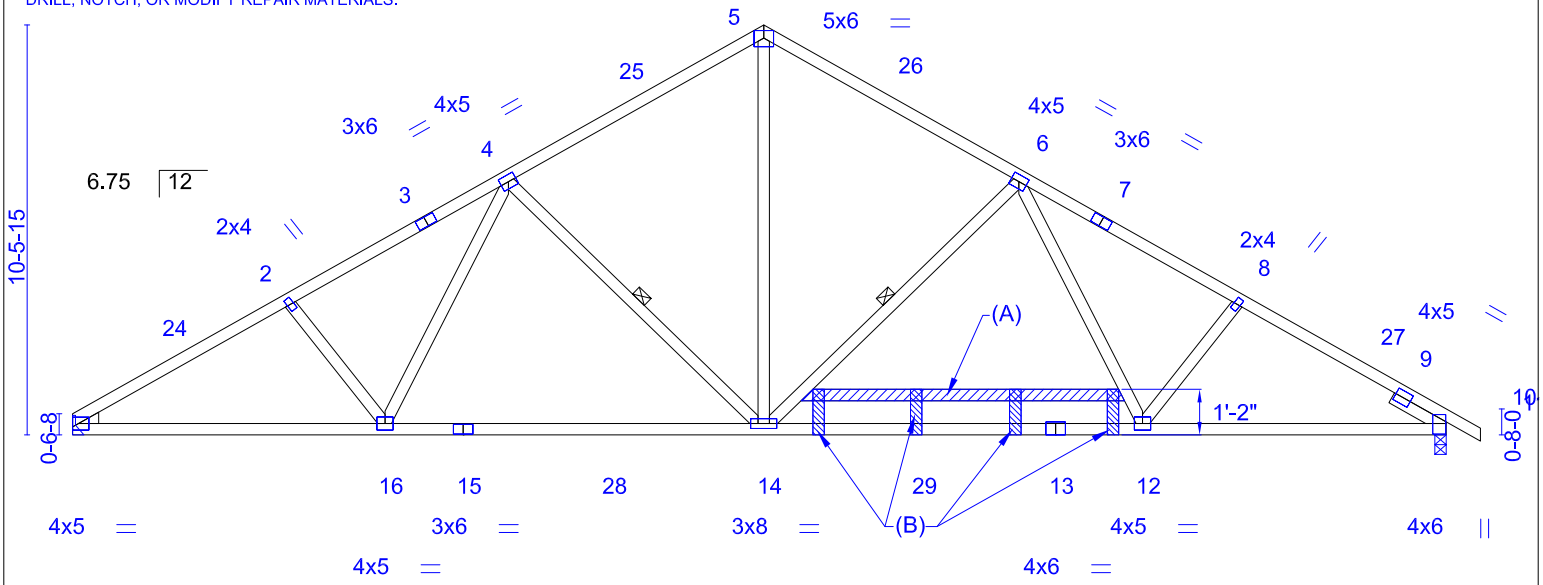
5-6-15	11-1-14	17-8-5	24-2-12	29-9-12	35-2-0	36-0-8
5-6-15	5-7-0	6-6-7	6-6-6	5-7-0	5-4-4	0-10-8

REPAIR:
1) ADD BOTTOM CHORD FILLER AS SHOWN.

- NOTE - THIS REPAIR IS VALID FOR THE DESIGN CONDITIONS PROVIDED IN THIS TRUSS REPAIR DRAWING. IT'S ADEQUACY FOR THE ACTUAL CONDITIONS MUST BE VERIFIED BY OTHERS.
- REFER TO ORIGINAL TRUSS DESIGN DRAWING FOR ADDITIONAL NOTES.
- IF TRUSS IS IN PLACE, SHORE UP TRUSS TO RELIEVE ANY LOAD IT MAY BE SUPPORTING BEFORE BEGINNING REPAIR.
- UNLESS OTHERWISE SPECIFIED, REMOVE ALL ELECTRICAL, MECHANICAL, PLUMBING, ETC. RUNS INTERFERING WITH THE REPAIR MATERIALS AND RE-ROUTE. DO NOT CUT, DRILL, NOTCH, OR MODIFY REPAIR MATERIALS.



(A) ADD (1) NEW 2 X 4 SP or SPF NO.2 MEMBER(S) AS SHOWN.

(B) ADD MINIMUM OF (4) NEW 2 X 4 X 14" SP or SPF NO.2 VERTICAL MEMBERS, MAXIMUM SPACING TO BE 36". ATTACH TO NEW MEMBER AND THE BOTTOM CHORD WITH A MINIMUM OF (3) 10d (3"x0.131") NAILS EACH.

8-0-0	17-8-5	27-4-11	35-2-0
8-0-0	9-8-6	9-8-6	7-9-5

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. In (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.00	TC 0.82	Vert(LL) -0.27 14-16 >999 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.81	Vert(CT) -0.50 12-14 >845 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.10 10 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS		Weight: 191 lb FT = 20%

LUMBER-
TC 2x4 SP No.2
BC 2x4 SP No.2 *Except* B2: 2x4 SP No.1
WB 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x4 SP No.3 1-6-8
1 - Ply
REACTIONS. (lb/size) 1=1406/Mechanical, 10=1460/0-3-8 (min. 0-1-12)
Max Horz 1=-183(LC 10)
Max Uplift 1=-47(LC 12), 10=-72(LC 12)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 6-14

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-2369/170, 2-24=-2276/186, 2-3=-2179/185, 3-4=-2049/203, 4-25=-1531/195, 5-25=-1427/213, 5-26=-1427/212, 6-26=-1532/194, 6-7=-1984/193, 7-8=-2119/175, 8-27=-2237/174, 9-27=-2266/150, 9-10=-754/0
BOT CHORD 1-16=-88/2091, 15-16=-21/1752, 15-28=-21/1752, 14-28=-21/1752, 14-29=-23/1648, 13-29=-23/1648, 12-13=-23/1648, 10-12=-75/1901
WEBS 2-16=-250/119, 4-16=0/457, 4-14=-637/144, 5-14=-78/1094, 6-14=-607/143, 6-12=0/400

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=125mph (3-second gust) Vasd=99mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 17-8-5, Exterior(2) 17-8-5 to 20-8-5, Interior(1) 20-8-5 to 36-0-8 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
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 1 and 72 lb uplift at joint 10.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

NORTH CAROLINA PROFESSIONAL SEAL 035349 RYAN JOSEPH DEXTER ENGINEER

COL# P-1038

8/6/2019