

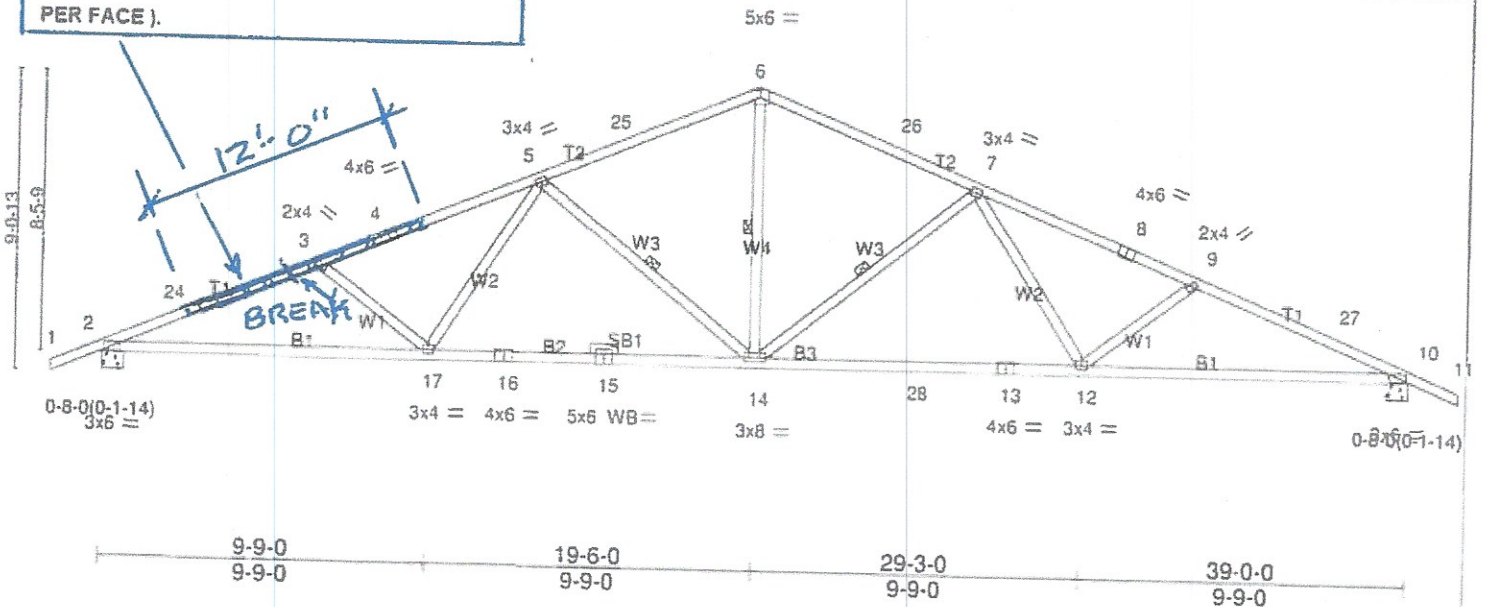
Job	Truss	Truss Type	Qty	Ply	MODEL-2976	LOT 5/6
MODEL-2976	T4REP	Common	1	1		

USE 2X4 #2 SO. PINE (12'-0" LONG), NAILING ONE TO EACH TRUSS FACE W/ 10 d NAILS @ 4" O/C. STAGGERED THROUGHOUT BOTH FACES. (MIN. 18 - 10 d NAILS ON EACH SIDE OF BREAK PER FACE).

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19-6-0	26-0-0	32-6-0	39-0-0	40-6-0
6-6-0	6-6-0	6-6-0	6-6-0	1-6-0

Scale = 1:66.4



REPAIR(S) REQUIRED

Plate Offsets (X,Y)-- [4 0-3-0,Edge], [8 0-3-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSL	DEFL	in	(loc)	l/dell	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.25	TC 0.98	Vert(LL)	-0.35	14-17	>999	240	MT20	244/190
TCDL 15.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-0.68	14-17	>689	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.62	Horz(CT)	0.17	10	n/a	n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-MSH							

Weight: 194 lb FT = 0%

LUMBER-

TOP CHORD 2x4 SP No 2
BOT CHORD 2x4 SP 2250F 1.9E
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD
Structural wood sheathing directly applied
BOT CHORD
Rigid ceiling directly applied or 5-7-6 oc bracing.
WEBS
1 Row at midpt
6-14, 7-14, 5-14

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

2	=	2280/0-8-0
10	=	2280/0-8-0
Max Horz		
2	=	374(LC 9)
Max Uplift		
2	=	-1094(LC 10)
10	=	-1094(LC 10)

FORCES. (lb)

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

TOP CHORD

2-24=-4723/2492, 3-24=-4639/2507,
3-4=-4226/2287, 4-5=-4115/2305.

TOP CHORD

2-24=-4723/2492, 3-24=-4639/2507,
3-4=-4226/2287, 4-5=-4115/2305,
5-25=-2929/1790, 6-25=-2806/1805,
6-26=-2806/1805, 7-26=-2929/1790,
7-8=-4115/2305, 8-9=-4226/2287,
9-27=-4639/2507, 10-27=-4723/2492
BOT CHORD
2-17=-2074/4282, 16-17=-1588/3445,
15-16=-1588/3445,
14-15=-1588/3445,
14-28=-1588/3445,
13-28=-1588/3445,
12-13=-1588/3445,
10-12=-2074/4282
WEBS
6-14=-857/1628, 7-14=-1132/741,
7-12=-229/694, 9-12=-619/470,
5-14=-1132/741, 5-17=-229/694,
3-17=-619/470

NOTES-

1) Unbalanced roof live loads have been considered for this design.

☒ NO EXEMPTION TAKEN	☐ REVISED & RESUBMIT
☒ MAKE CORRECTIONS NOTED	☐ REJECTED

Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. The check is only for review or compliance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for: confirming and correcting all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of other trades and performing his work in a safe and satisfactory manner.

By ON Date APRIL 2020
Nodal Structures, Inc.

2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; HVHZ; TCDL=5.0psf; BCDL=5.0psf; h=21ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -1-6-0 to 2-4-13, Interior(1) 2-4-13 to 15-7-3, Exterior(2) 15-7-3 to 23-4-13, Interior(1) 23-4-13 to 36-7-3, Exterior(2) 36-7-3 to 40-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Plates checked for a plus or minus 0 degree rotation about its center.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * 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.

6) Provide mechanical connection (w/ others) of truss to bearing on the support, withstanding 1094 lb uplift at joints and 1094 lb dead at joint 10.

LOAD CASE(S)
Standard

No. 19939

STATE OF
FLORIDA

PROFESSIONAL ENGINEER