Job	Truss	Truss Type	Qty	Ply	
932704	F13	Floor	6	1	T10033719
					Job Reference (optional)

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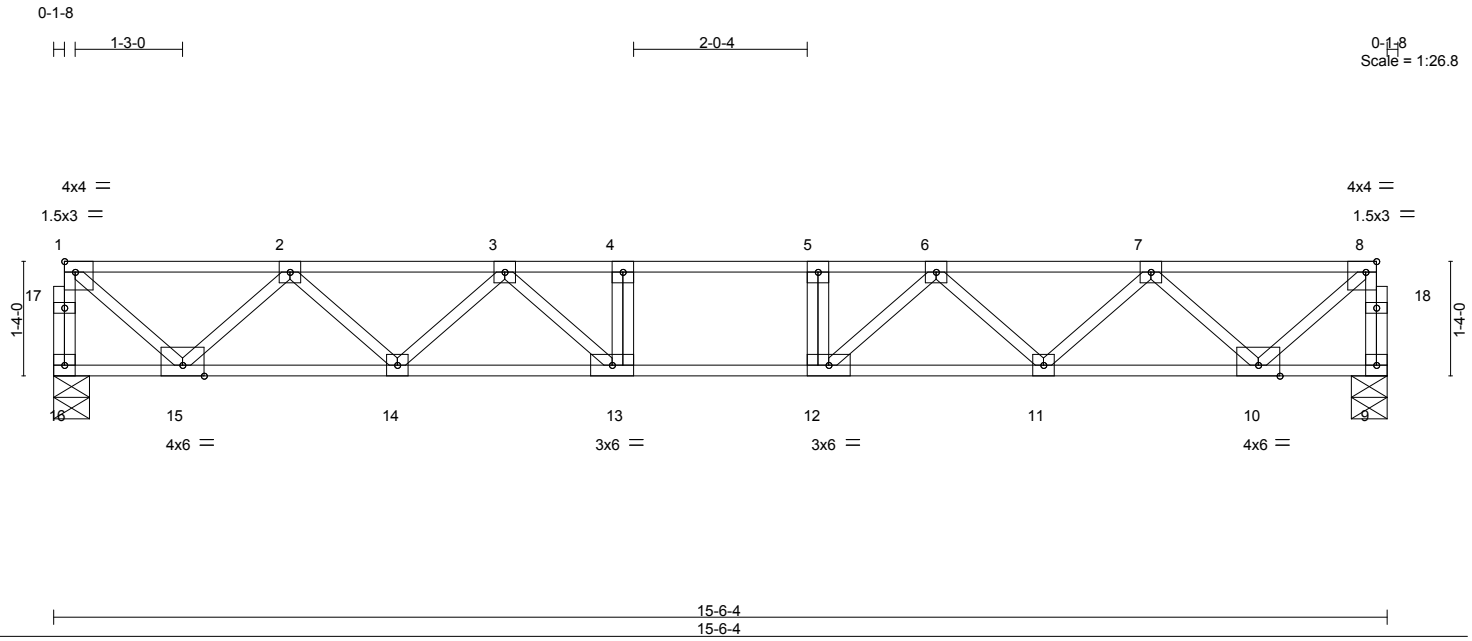

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.17	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(TL)	-0.25	13-14	>748	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code	FBC2014/TPI2007	(Matrix)							Weight: 83 lb	FT = 11%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=834/0-5-0, 9=834/0-5-0

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

TOP CHORD	16-17=-829/0, 1-17=-828/0, 9-18=-829/0, 8-18=-828/0, 1-2=-832/0, 2-3=-1985/0, 3-4=-2616/0, 4-5=-2616/0, 5-6=-2616/0, 6-7=-1985/0, 7-8=-832/0
BOT CHORD	14-15=0/1562, 13-14=0/2379, 12-13=0/2616, 11-12=0/2379, 10-11=0/1562
WEBS	1-15=0/1072, 2-15=-1016/0, 2-14=0/588, 3-14=-549/0, 3-13=0/563, 4-13=-276/0, 8-10=0/1072, 7-10=-1016/0, 7-11=0/588, 6-11=-549/0, 6-12=0/563, 5-12=-276/0

NOTES- (5)

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	
932704	T25	Roof Special	1	1	T10033749

Job Reference (optional)

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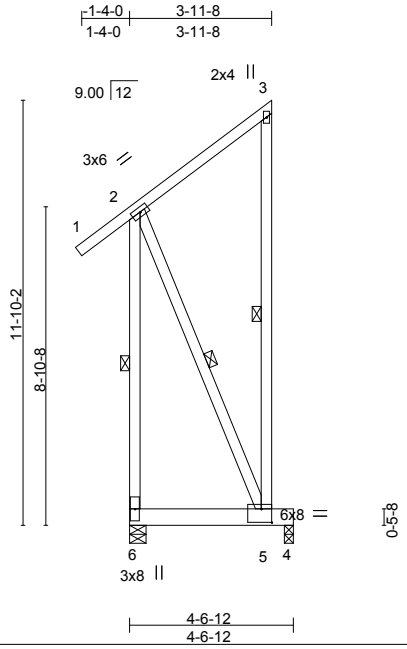

Scale: 3/16"=1'

Plate Offsets (X,Y)-- [5:0-3-8,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.04	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(TL)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.42	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code	FBC2014/TPI2007	(Matrix-M)							Weight: 63 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
2-6: 2x4 SP M 31

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-8-5 oc bracing.
WEBS 1 Row at midpt 3-5, 2-6, 2-5

REACTIONS. (lb/size) 6=235/0-5-8, 4=872/0-3-0
Max Horz 6=-320(LC 10)
Max Uplift 6=-260(LC 10), 4=-225(LC 9)
Max Grav 6=357(LC 9), 4=1271(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-923/719
BOT CHORD 5-6=-446/379
WEBS 2-5=-964/1134

NOTES- (8)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=260, 4=225.
5) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 886 lb down and 71 lb up at 4-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 4-6=-10
Concentrated Loads (lb)
Vert: 4=-781

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Job	Truss	Truss Type	Qty	Ply	
932704	T47	Scissor	6	1	T10033769

Job Reference (optional)

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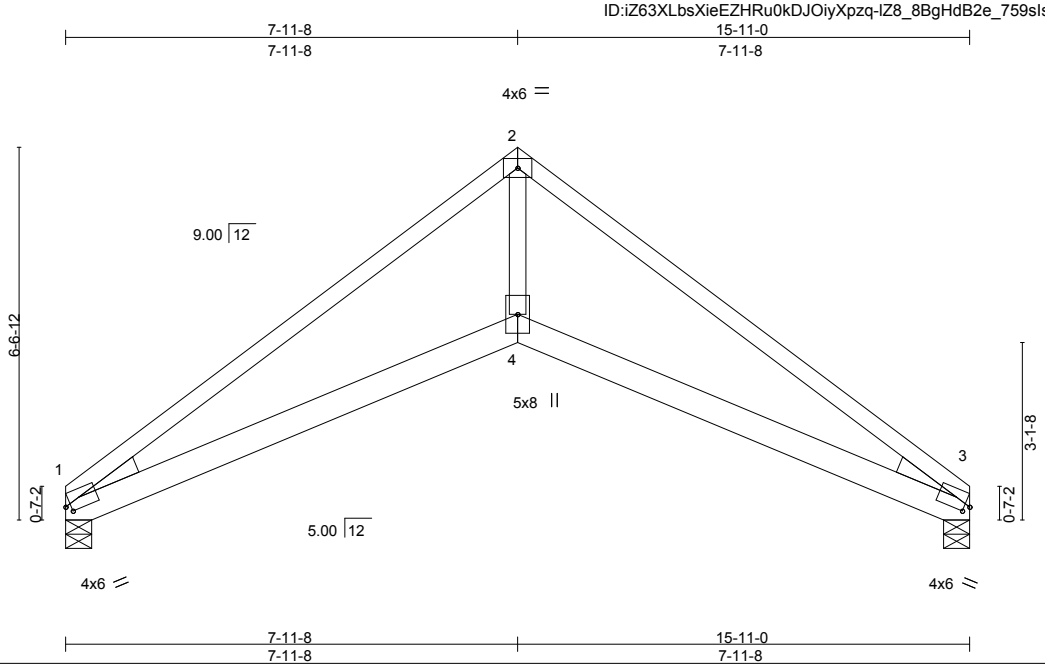

Plate Offsets (X,Y)-- [1:0-1-2,0-1-6], [3:0-1-2,0-1-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	0.06	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(TL)	-0.10	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(TL)	0.06	3	n/a	n/a		
BCDL	5.0	Code	FBC2014/TPI2007	(Matrix-M)							Weight: 78 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=509/0-5-8, 3=509/0-5-8
Max Horz 1=159(LC 9)
Max Uplift 1=-131(LC 12), 3=-131(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1058/436, 2-3=-1058/436
BOT CHORD 1-4=-215/847, 3-4=-215/835
WEBS 2-4=-205/735

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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.
5) Bearing at joint(s) 1, 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=131, 3=131.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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