

Site Information:

Customer Info: Lipscomb Eagle Project Name: Spec Hse Model: Custom
Lot/Block: 22 Subdivision: Turkey Creek
Address: N/A, N/A
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, if there is one, for the building.

Name: License #:
Address: State:
City:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2017/TP12014 Design Program: MITek 20/20 8.4
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 40 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T23771040	CJ01	5/3/21	23	T23771062	T13	5/3/21
2	T23771041	CJ02	5/3/21	24	T23771063	T14	5/3/21
3	T23771042	CJ03	5/3/21	25	T23771064	T15	5/3/21
4	T23771043	CJ04	5/3/21	26	T23771065	T16	5/3/21
5	T23771044	CJ05	5/3/21	27	T23771066	T16G	5/3/21
6	T23771045	EJ01	5/3/21	28	T23771067	V01	5/3/21
7	T23771046	EJ02	5/3/21	29	T23771068	V02	5/3/21
8	T23771047	HJ01	5/3/21	30	T23771069	V03	5/3/21
9	T23771048	HJ02	5/3/21	31	T23771070	V04	5/3/21
10	T23771049	T01	5/3/21	32	T23771071	V05	5/3/21
11	T23771050	T01G	5/3/21	33	T23771072	V06	5/3/21
12	T23771051	T02	5/3/21	34	T23771073	V07	5/3/21
13	T23771052	T03	5/3/21	35	T23771074	V08	5/3/21
14	T23771053	T04	5/3/21	36	T23771075	V09	5/3/21
15	T23771054	T05	5/3/21	37	T23771076	V10	5/3/21
16	T23771055	T06	5/3/21	38	T23771077	V11	5/3/21
17	T23771056	T07	5/3/21	39	T23771078	V12	5/3/21
18	T23771057	T08	5/3/21	40	T23771079	V13	5/3/21
19	T23771058	T09	5/3/21				
20	T23771059	T10	5/3/21				
21	T23771060	T11	5/3/21				
22	T23771061	T12	5/3/21				

The truss drawing(s) referenced above have been prepared by MITek USA, Inc.
under my direct supervision based on the parameters
provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: O'Regan, Philp

My license renewal date for the state of Florida is February 28, 2023.

IMPORTANT NOTE: The seal on these truss component designs is a certification
that the engineer named is licensed in the jurisdiction(s) identified and that the
designs comply with ANSI/TPI 1. These designs are based upon parameters
shown (e.g., loads, supports, dimensions, shapes and design codes), which were
given to MITek or TRENCO. Any project specific information included is for MITek's or



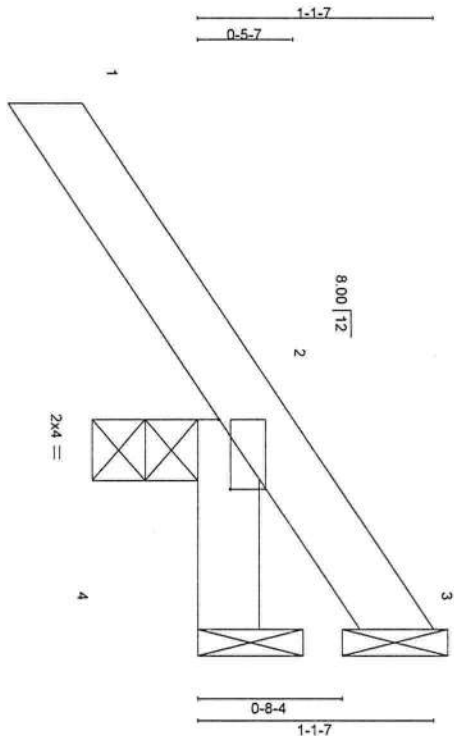


Plate Offsets (X,Y) = [2-0-4-0-0-0-10]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	In (loc)	l/d	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	0.00	7	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	0.00	7	>999		
BCDL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	2	n/a		
BCDL 10.0	Code FBC2017/TPP2014		Matrix-MP					Weight: 6 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
 Max Horz 2=59(LC 12)
 Max Uplift 3=5(LC 1), 2=78(LC 12), 4=23(LC 19)
 Max Grav 3=6(LC 8), 2=179(LC 1), 4=23(LC 16)

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

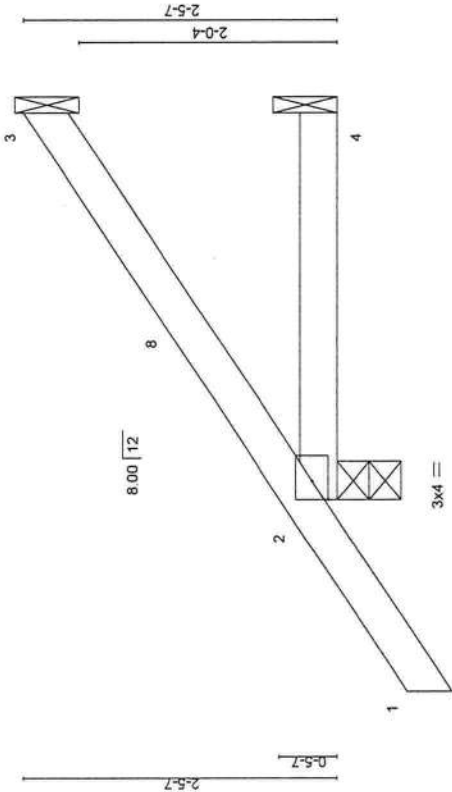
These truss designs are based upon the building code shown.
 This code has been specified by the project engineer/architect,
 or building designer. The applicability of this code in any
 particular jurisdiction should be confirmed with the building
 official prior to truss fabrication. This determination is not the
 responsibility of the component/truss designer.
 This applies to all truss design drawings in this job.

NOTES-

- 1) Wind: ASCE 7-10: Vult=130mph (3-second gust) Vasd=101mph; TCCL=4 2psf; BCDL=3 0psf; h=18ft; Cat. II; Exp B; Encl., GCPI=0.18; MMFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MMFRS 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
- 6) 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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LOADING (psf)		SPACING-		CSL		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.14	Vert(LL)	0.01	MT20	244/190	Weight: 13 lb FT = 20%	
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00				
BCDL	10.0	Code FBC2017/TP12014		Matrix-MP							

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horiz 2=109(LC 12)
Max Uplift 3=52(LC 12), 2=58(LC 12), 4=20(LC 9)
Max Grav 3=65(LC 19), 2=210(LC 1), 4=51(LC 3)

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

NOTES- (6)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpl=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 zone; porch left and right 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
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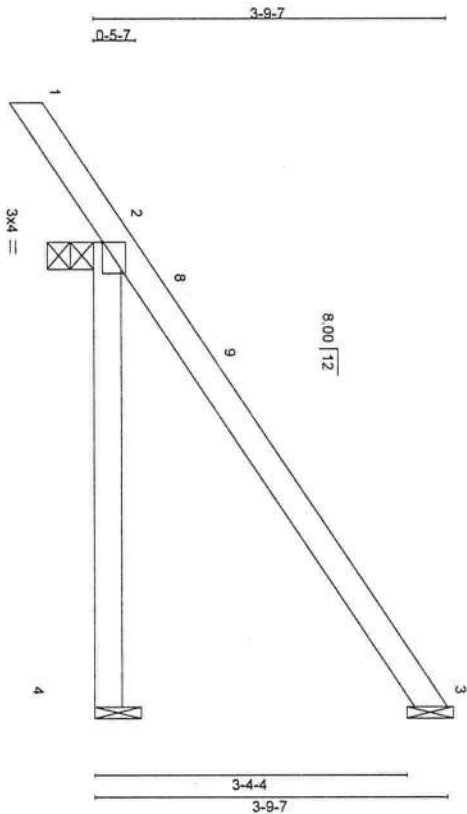


Plate Offsets (X,Y) - [2:0-0,0,0-0-2]

LOADING (psf)	SPACING	2-0-0	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.29	Vert(LL)	0.07	4-7	>848	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.06	4-7	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.01	3	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP					Weight: 19 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.
 (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
 Max Horz 2=160(LC 12)
 Max Uplift 3=95(LC 12), 2=59(LC 12), 4=35(LC 9)
 Max Grav 3=120(LC 19), 2=276(LC 1), 4=90(LC 3)

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

- NOTES-** (6)
- Wind: ASCE 7-10, Valt=130mph (3-second gust) Vasd=101mph, TCCL=4.2psf, BCDL=3.0psf, h=18ft, Cat. II, Exp B, Encl, GCp=0.18; MMFRS (envelope) gable end zone and C-C Exterior(2) - 1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-1-4 zone; porch left and right exposed; C-C for members and forces & MMFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
 - 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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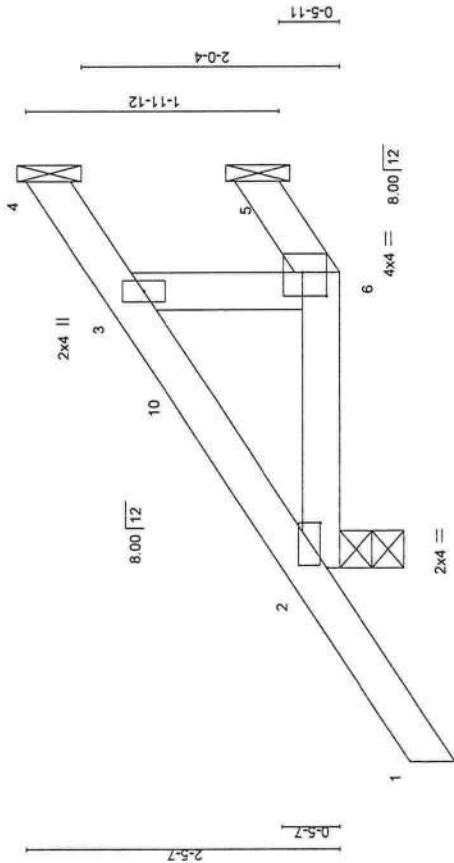


Plate Offsets (X,Y) - [2-0-4, 4-0-0-10], [6-0-2, 4-0-2-4]									
2-3-8									
3-0-0									
0-8-8									

LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in (loc)	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	-0.01	6 >999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.10	Vert(CT)	-0.01	6 >999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	-0.01	5 n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-MP					

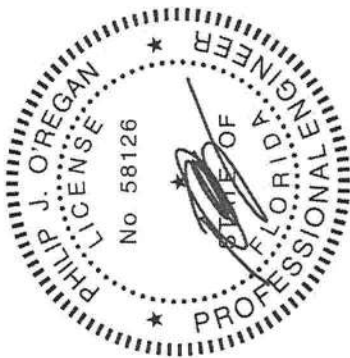
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD
BOT CHORD 2x4 SP No.2	BOT CHORD
WEBS 2x4 SP No.3	

REACTIONS.	(size)	4=Mechanical, 2=0-3-8, 5=Mechanical
	Max Horz	2=109(LC 12)
	Max Uplift	4=-53(LC 12), 2=-58(LC 12)
	Max Grav	4=91(LC 19), 2=210(LC 1), 5=13(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCPI=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-1-4 zone; 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
- 6) 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.



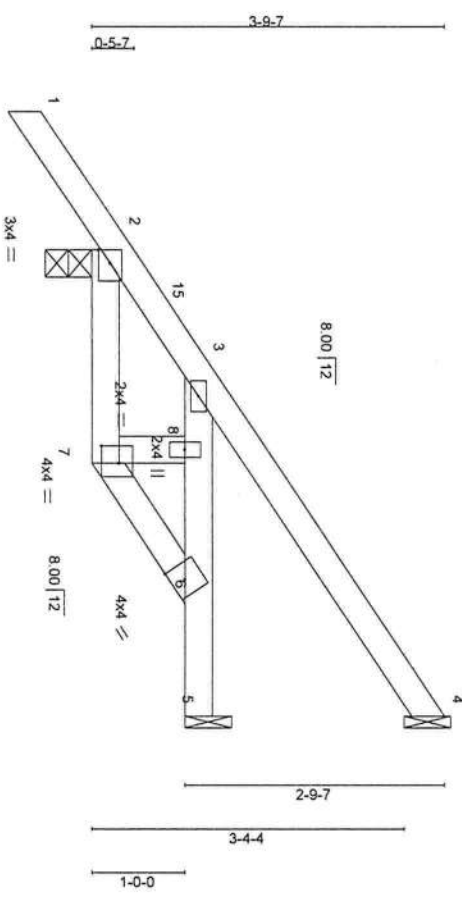


Plate Offsets (X,Y)- [7:0-2:4,0-2:4]

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.15	Vert(LL) -0.02	MT20	244/190
TCCL 7.0	Lumber DOL 1.25	BC 0.30	Vert(CT) -0.03		
BCCL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.01		
BCDL 10.0	Code FBC2017/TP12014	Matrix-MP		Weight: 24 lb	FT = 20%

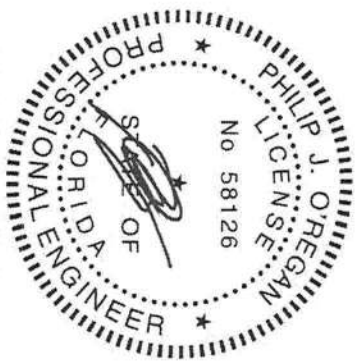
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
 Max Horiz 2=160(LC 12)
 Max Uplift 4=64(LC 12), 2=52(LC 12), 5=26(LC 12)
 Max Grav 4=91(LC 19), 2=299(LC 1), 5=144(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-10=-259/1
 BOT CHORD 2-7=-120/302, 6-7=-131/344, 3-8=-302/120, 6-8=-278/107

- NOTES-** (6)
 1) Wind: ASCE 7-10: Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp B; Encl., GCp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-4-2, Interior(1) 1-4-2 to 4-1-4 zone; 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) Refer to girder(s) for truss to truss connections.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.
 6) 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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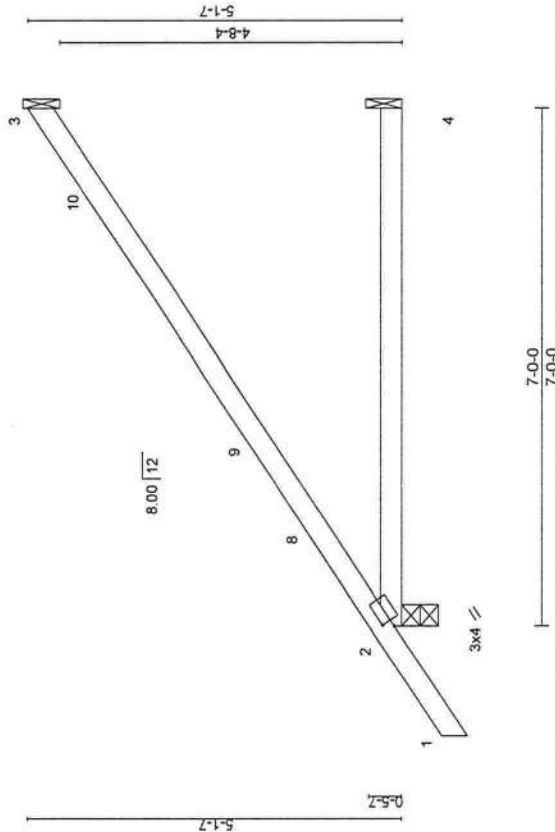


Plate Offsets (X,Y) - [2.0-1-3.0-1-8]									
LOADING (psf)		SPACING-		CSL		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.64	Vert(LL)	0.13	MT20	GRIP
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.23		244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					

Weight: 26 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=204(LC 12)
Max Uplift 3=-121(LC 12), 2=-68(LC 12), 4=-5(LC 12)
Max Grav 3=179(LC 19), 2=346(LC 1), 4=127(LC 3)

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

NOTES- (6)

- 1) Wind: ASCE 7-10: Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) -1.6-0 to 1-6-0, Interior(1) 1-6-0 to 6-11-4 zone,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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (j!=b) 3=121.
- 6) 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.



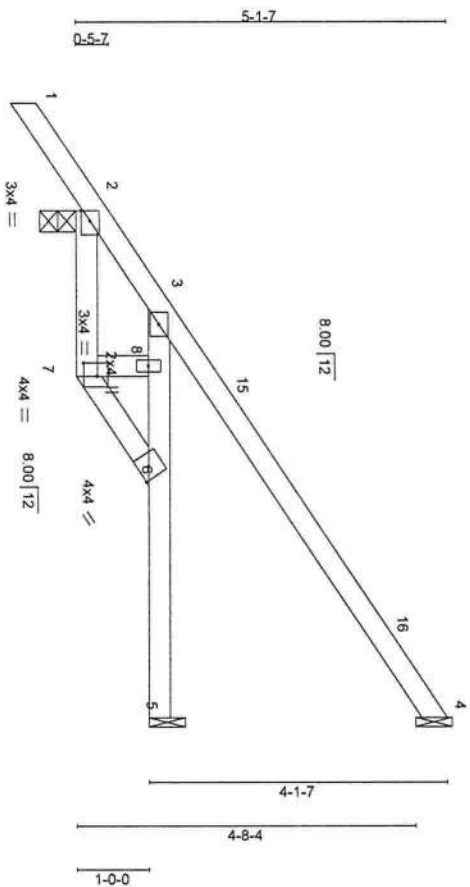


Plate Offsets (X, Y) - [7.0-2.4, 0.2-4]

LOADING (psf)	SPACING	2-0-0	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL) 0.12	MT20	244/190
TCCL 7.0	Lumber DOL	1.25	BC 0.73	Vert(CT) -0.21		
BCCL 0.0	Rep Stress Incr	YES	WB 0.04	Horz(CT) 0.05		
BCDL 10.0	Code FBC2017/TFP2014		Matrix-MS		Weight: 31 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical

Max Horz 2=204(LC 12)
 Max Uplift 4=92(LC 12), 2=59(LC 12), 5=29(LC 12)
 Max Grav 4=149(LC 19), 2=377(LC 1), 5=162(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-10=407/29
 BOT CHORD 2-7=203/466, 6-7=211/490, 3-8=466/203, 6-8=437/184

- NOTES-** (6)
- Wind: ASCE 7-10, Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf, BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpI=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-4-2, Interior(1) 1-4-2 to 6-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 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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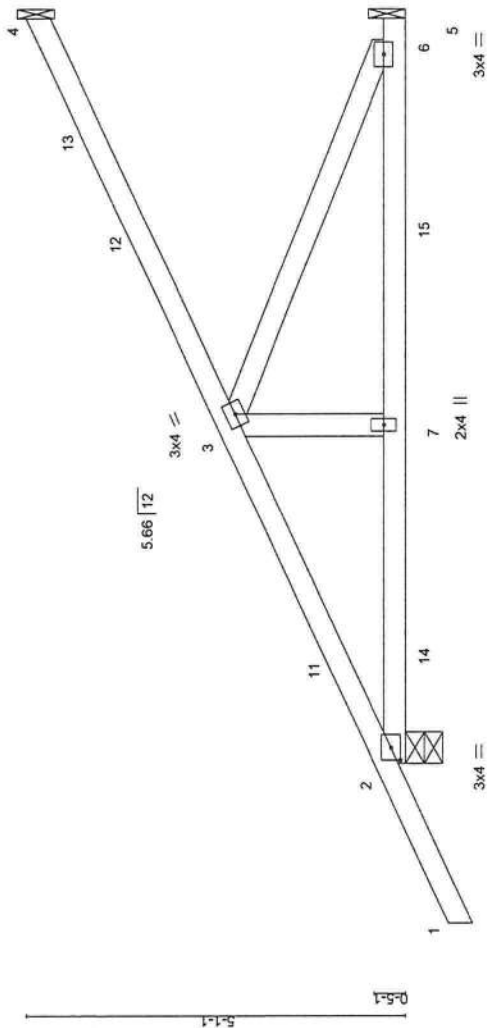


Plate Offsets (X,Y) -		[2.0-1-15.0-1-8]		4.6-0		9.10-13	
				4.6-0		5.4-13	

LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in (loc)	L/d	PLATES	GRIP
TCCL 20.0	Plate Grip DOL	1.25	TC 0.59	Vert(LL)	0.09	6-7	MT20	244/190
TCCL 7.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.12	6-7		
BCCL 0.0 *	Rep Stress Incr	NO	WB 0.38	Horz(CT)	0.01	5		
BCCL 10.0	Code FBC2017/TPI2014		Matrix-MS					

LUMBER-	2x4 SP No.2	2x4 SP No.2	2x4 SP No.3	Weight: 46 lb	FT = 20%
TOP CHORD					
BOT CHORD					
WEBS					

REACTIONS.	(size)	4=Mechanical, 2=0-4-15, 5=Mechanical	BRACING-
	Max Horiz	2=205(LC 8)	TOP CHORD
	Max Uplift	4=-109(LC 8), 2=-289(LC 8), 5=-226(LC 5)	BOT CHORD
	Max Grav	4=149(LC 1), 2=529(LC 1), 5=299(LC 1)	

FORCES.	(lb)	Max. Comp./Max. Ten.	- All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-653/390		
BOT CHORD	2-7=-456/552, 6-7=-456/552		
WEBS	3-7=-111/287, 3-6=-603/498		

- NOTES-** (8)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpl=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (j)=lb 4=109, 2=289, 5=226.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 68 lb down and 74 lb up at 1-5-12, 68 lb down and 74 lb up at 1-5-12, 85 lb down and 54 lb up at 4-3-11, 85 lb down and 54 lb up at 4-3-11, and 114 lb down and 105 lb up at 7-1-10, and 114 lb down and 105 lb up at 7-1-10 on top chord, and 48 lb down and 52 lb up at 1-5-12, 48 lb down and 52 lb up at 1-5-12, 20 lb down and 28 lb up at 4-3-11, 20 lb down and 28 lb up at 4-3-11, and 42 lb down and 50 lb up at 7-1-10, and 42 lb down and 50 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 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. 1-4=-54, 5-8=-20	



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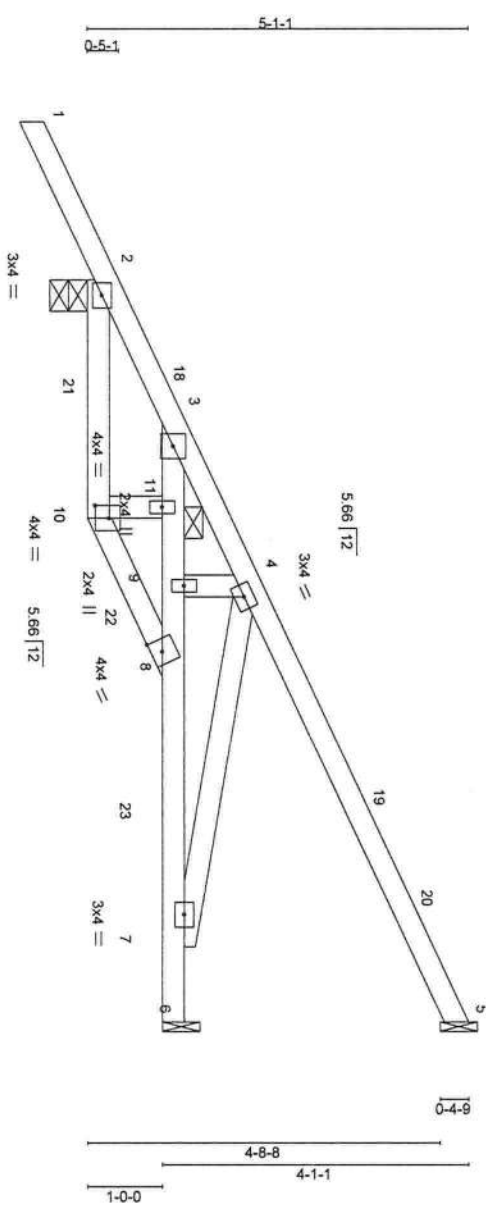


Plate Offsets (X,Y) - 110:0-2-0-0-2-4

LOADING (psf)	SPACING	2-0-0	CSL	DEFL.	PLATES	GRIP
TCLL	Plate Grip DOL	1.25	TC	0.17	MT20	244/190
TCDL	Lumber DOL	1.25	BC	7-8		
BCLL	Rep Stress Incr	NO	WB	-0.30		
BCDL	Code FBC2017/TP12014		Matrix-MS	7-8		
				0.06		
				6		
				n/a		
				n/a		
					Weight: 49 lb	FT = 20%

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

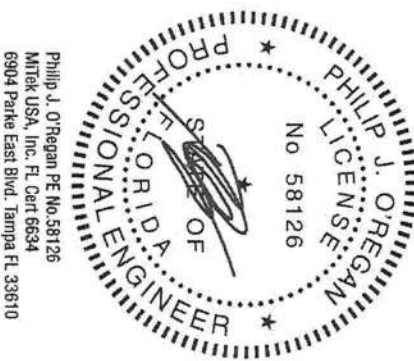
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-14 oc bracing.
JOINTS 1 Brace at Jt(s): 11

REACTIONS. (size) 5=Mechanical, 2=0-4-15, 6=Mechanical
Max Horiz 2=205(LC 8)
Max Uplift 5=-96(LC 8), 2=-241(LC 8), 6=-143(LC 8)
Max Grav 5=144(LC 1), 2=562(LC 1), 6=388(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-13=-588/182, 3-4=-147/1577
BOT CHORD 2-10=-246/363, 8-10=-259/402, 3-11=-416/1003, 9-11=-429/1012, 8-9=-429/1012.
WEBS 7-8=-662/315
4-7=-1345/678, 4-9=-173/706

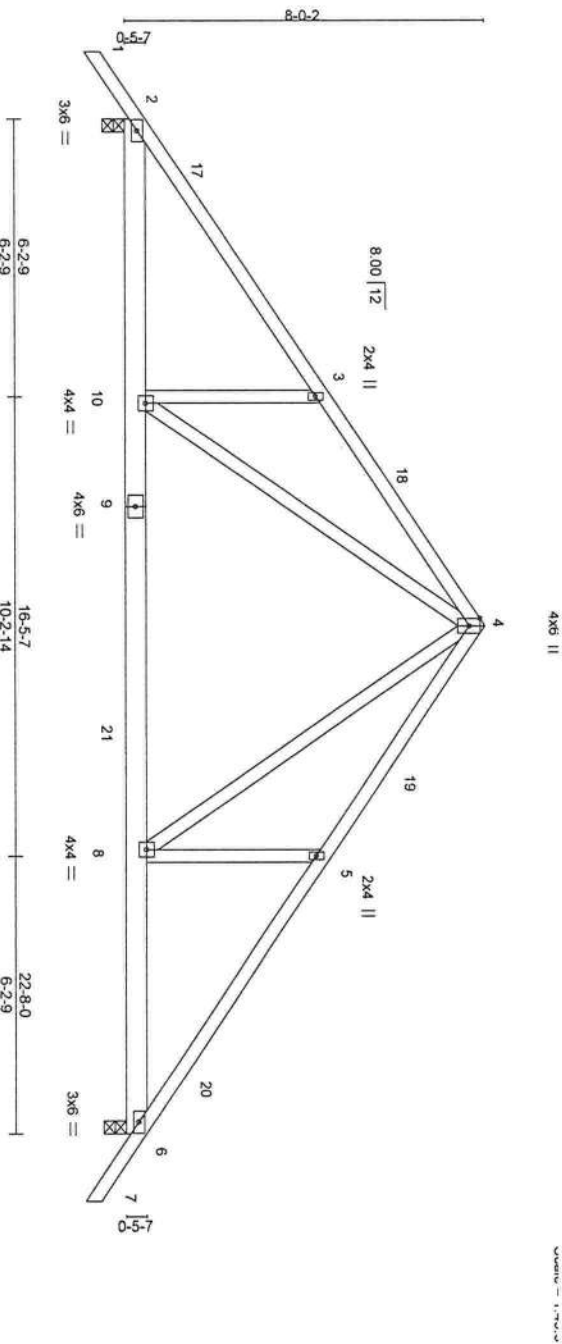
- NOTES-** (8)
- Wind: ASCE 7-10: Vult=130mph (3-second gust) Vasd=101mph. TCCL=4.2psf, BCDL=3.0psf, h=18ft, Cat. II, Exp B; Encl., GCPI=0.18; MMFRS (envelope) gable end zone. Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (it=lb) 2=241, 6=143.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 58 lb down and 74 lb up at 1-5-12, 68 lb down and 74 lb up at 1-5-12, 117 lb down and 60 lb up at 4-3-11, 117 lb down and 60 lb up at 4-3-11, and 98 lb down and 70 lb up at 7-1-10, and 98 lb down and 70 lb up at 7-1-10 on top chord, and 22 lb down and 52 lb up at 1-5-12, 22 lb down and 52 lb up at 1-5-12, at 4-3-11, and 95 lb down and 53 lb up at 7-1-10, and 95 lb down and 53 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 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 (psf)
Vert: 1-5=54, 10-12=20, 8-10=20, 6-8=20



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Concentrated Loads (lb)
Vert. 4=-37(F=-18, B=-18) 19=-15(F=-8, B=-8) 23=-167(F=-83, B=-83)



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.41	Vert(LL)	-0.23	In	(loc)	l/d	L/d
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.44	8-10	>999	240	240
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.03	6	n/a	n/a	180
BCDL	10.0	Code FBC2017/TFP2014		Matrix-MS							n/a

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-0-2 oc purfins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS.
(size) 2=0-3-8, 6=0-3-8
Max Horz 2=212(LC 11)
Max Uplift 2=345(LC 12), 6=345(LC 13)
Max Grav 2=1230(LC 19), 6=1228(LC 20)

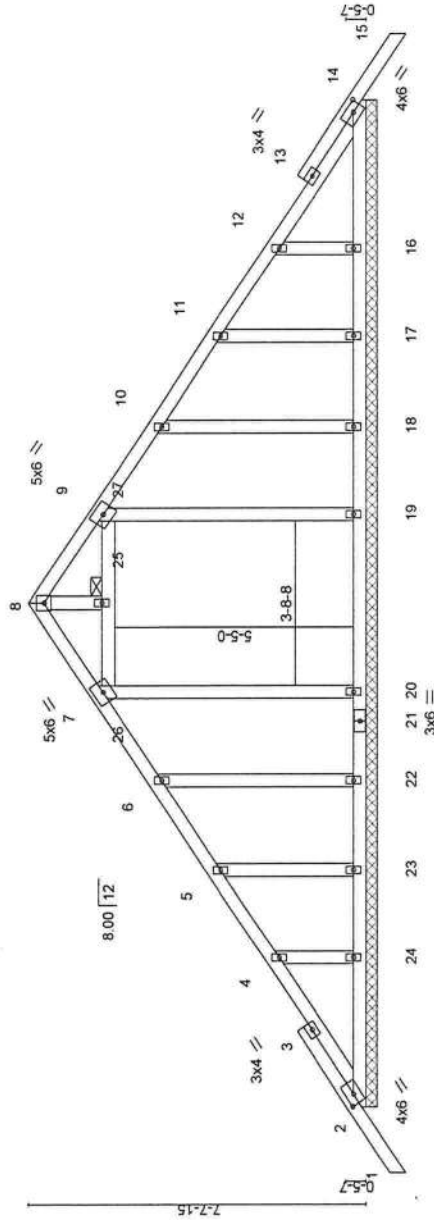
FORCES. (lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1925/484, 3-4=-1963/660, 4-5=-1959/661, 5-6=-1921/484
BOT CHORD 2-10=-416/1668, 8-10=-172/994, 6-8=-307/1543
WEBS 4-8=436/1199, 5-8=320/275, 4-10=436/1206, 3-10=320/275

- NOTES-** (7)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GC=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-4-0, Exterior(2) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 24-2-0 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, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=lb) 2-3-45, 6-3-45.
 - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 7) 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. 1-4=54, 4-7=54, 10-11=20, 8-10=80(F=60), 8-14=20



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22-8-0
22-8-0

Plate Offsets (X,Y)- [2-0-2-12-0-2-0], [14-0-2-12-0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.13	Vert(LL) -0.00	15	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.14	Vert(CT) -0.00	15	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(CT) 0.01	14	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S						

LUMBER-								
TOP CHORD	2x4 SP No.2							
BOT CHORD	2x4 SP No.2							
OTHERS	2x4 SP No.3							
REACTIONS.	All bearings 22-8-0.							
(lb) -	Max Horz 2=-203(LC 10)							
	Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 20, 22, 23, 24, 19, 18, 17, 16							
	Max Grav All reactions 250 lb or less at joint(s) 2, 14, 22, 23, 24, 18, 17, 16 except 20=307(LC 19), 19=282(LC 20)							

BRACING-								
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.							
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.							
JOINTS	1 Brace at Jt(s): 25							

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.							
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NOTES- (11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp B; Encl., GCPI=0.18; MWFRS (envelope) gable end zone and C-C Corner(3) -1-6-0 to 1-6-0, Exterior(2) 1-6-0 to 11-4-0, Corner(3) 11-4-0 to 14-4-0, Exterior(2) 14-4-0 to 24-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Vertical gable studs spaced at 2-0-0 oc and horizontal gable studs spaced at 2-0-0 oc.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 20, 22, 23, 24, 19, 18, 17, 16.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 14.
- 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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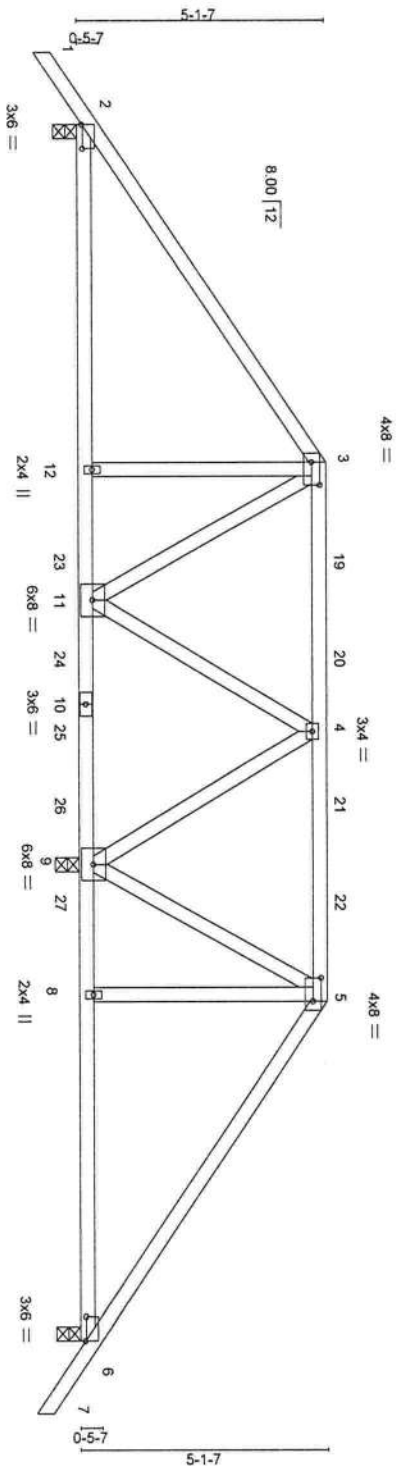


Plate Offsets (X,Y) --		[2.0-6.0,0.0-2.1], [3.0-5.12,0.2-2.0], [5.0-5.12,0.2-2.0], [6.0-6.0,0.0-2.1]	
		7.0-0	9.10-4
		7.0-0	2.10-4
		15.3-12	5.5-8
		18.2-0	2.10-4
		25.2-0	7.0-0

LOADING (psf)	SPACING-	2-0-0	CSI,	DEFL.	In (loc)	U/del	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.88	Vert(LL)	0.11	12-15	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.16	8-18	>758		
BCLL 0.0	Rep Stress Incr	NO	WB 0.96	Horz(CT)	0.02	9	n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-MS					Weight: 130 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-9-8 oc bracing.

REACTIONS.
(size) 2=0-3-8, 9=0-3-8, 6=0-3-8
Max Horz 2=141(LC 6)
Max Uplift 2=467(LC 8), 9=1406(LC 5), 6=212(LC 9)
Max Grav 2=994(LC 1), 9=2479(LC 1), 6=456(LC 1)

FORCES. (lb) - Max. Comp. Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1278/647, 3-4=-770/451, 4-5=-416/517, 5-6=-343/205
BOT CHORD 2-12=-543/976, 11-12=-551/990, 9-11=-183/430
WEBS 3-12=-286/531, 3-11=-453/366, 4-11=-370/706, 4-9=-1560/991, 5-9=-1070/627, 5-8=-243/537

- NOTES-** (9)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vast=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCPI=0.18; MMFRR (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 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 Dpsf 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.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=lb) 2=467, 9=1406, 6=212.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 249 lb down and 247 lb up at 7-0-0, 140 lb down and 125 lb up at 9-0-12, 140 lb down and 125 lb up at 11-0-12, 140 lb down and 116 lb up at 12-7-0, 140 lb down and 125 lb up at 14-1-4, and 140 lb down and 125 lb up at 16-1-4, and 249 lb down and 247 lb up at 18-2-0 on top chord, and 338 lb down and 279 lb up at 7-0-0, 91 lb down and 25 lb up at 9-0-12, 91 lb down and 25 lb up at 11-0-12, 91 lb down and 25 lb up at 12-7-0, 91 lb down and 25 lb up at 14-1-4, and 87 lb down and 25 lb up at 16-1-4, and 335 lb down and 279 lb up at 18-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 9) 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



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Concentrated Loads (lb)

Vert: 3=-183(B) 5=-183(B) 12=-335(B) 4=-110(B) 8=-335(B) 19=-110(B) 20=-110(B) 21=-110(B) 22=-110(B) 23=-64(B) 24=-64(B) 25=-64(B) 26=-64(B) 27=-64(B)