Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ01	Jack-Open	8	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

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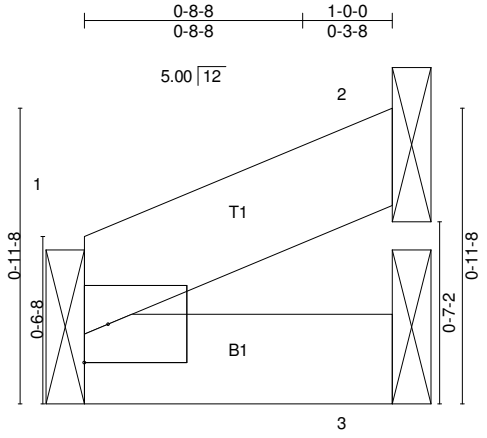

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.01	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 3 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.

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

REACTIONS. (lb/size) 1=37/Mechanical, 2=24/Mechanical, 3=13/Mechanical
Max Horz 2=14(LC 12)
Max Uplift 1=-13(LC 12), 2=-7(LC 12)
Max Grav 1=37(LC 1), 2=24(LC 1), 3=18(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1 and 7 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ03	Jack-Open	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:21 2023 Page 1
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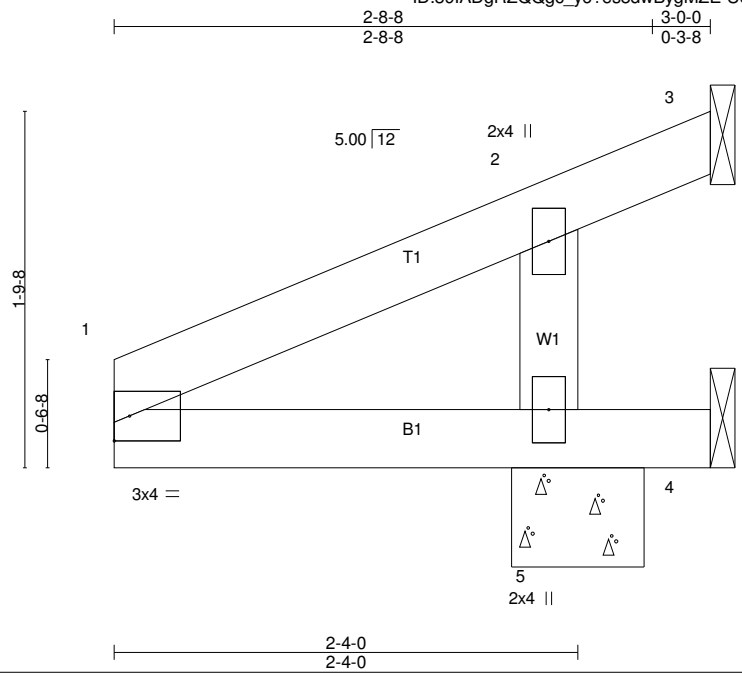

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 11 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 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 3=-96/Mechanical, 4=-112/Mechanical, 5=426/0-8-0
Max Horz 5=42(LC 12)
Max Uplift3=-96(LC 1), 4=-112(LC 1), 5=-113(LC 8)
Max Grav 3=19(LC 8), 4=28(LC 8), 5=426(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-230/274

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 96 lb uplift at joint 3, 112 lb uplift at joint 4 and 113 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ03A	Jack-Open	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:22 2023 Page 1
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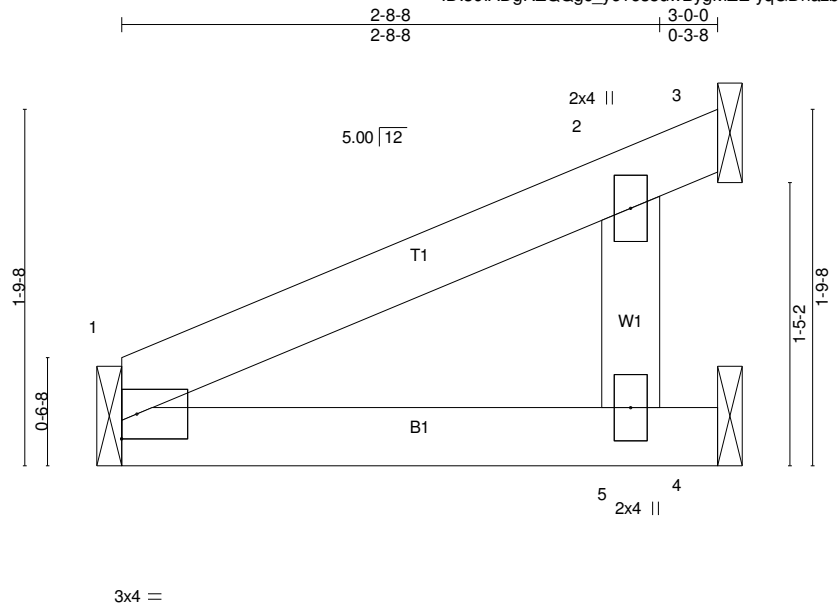

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	0.01	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 11 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 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=109/Mechanical, 3=37/Mechanical, 4=71/Mechanical
Max Horz 4=42(LC 12)
Max Uplift 1=-17(LC 12), 3=-4(LC 12), 4=-37(LC 12)
Max Grav 1=109(LC 1), 3=48(LC 3), 4=71(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 4 lb uplift at joint 3 and 37 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ05	Jack-Open	6	1	Job Reference (optional)

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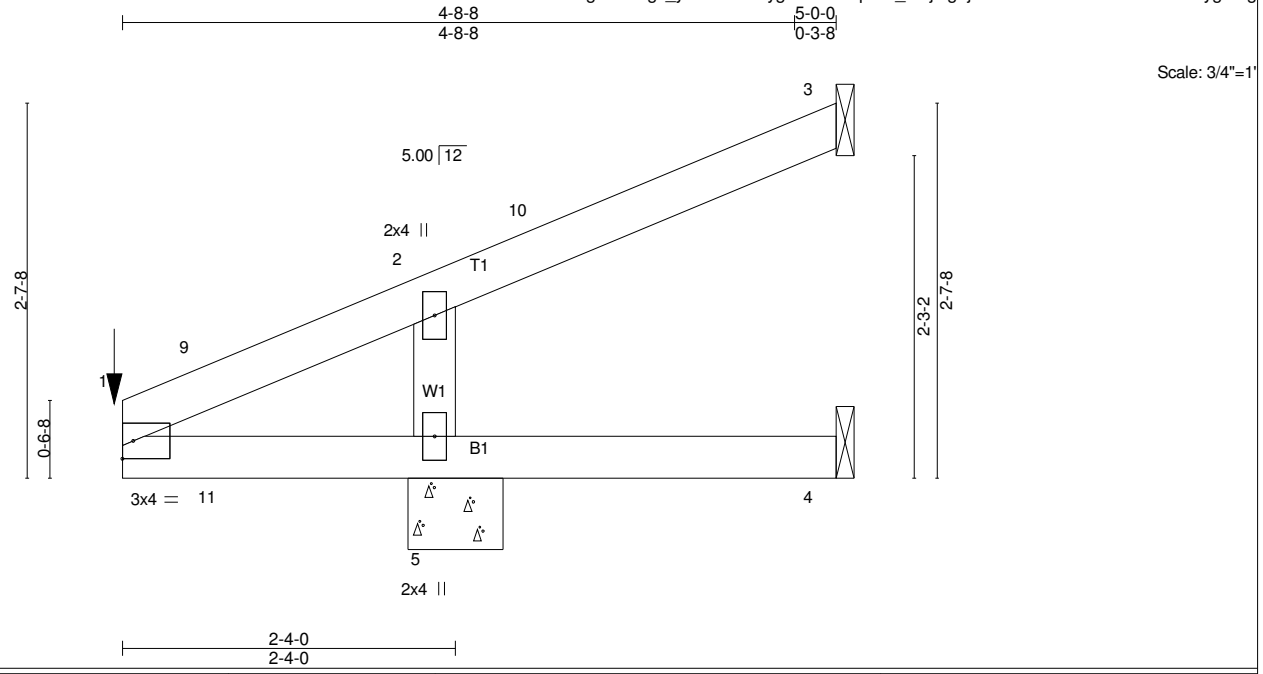

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.08	Horz(CT)	-0.07	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 17 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.

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

REACTIONS. (lb/size) 3=10/Mechanical, 4=-32/Mechanical, 5=463/0-8-0
Max Horz 5=71(LC 12)
Max Uplift3=-43(LC 16), 4=-32(LC 1), 5=-93(LC 12)
Max Grav 3=10(LC 1), 4=12(LC 8), 5=463(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-275/269

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 3, 32 lb uplift at joint 4 and 93 lb uplift at joint 5.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 46 lb up at 0-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-6=-20
Concentrated Loads (lb)
Vert: 1=-75

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ05A	Jack-Open	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

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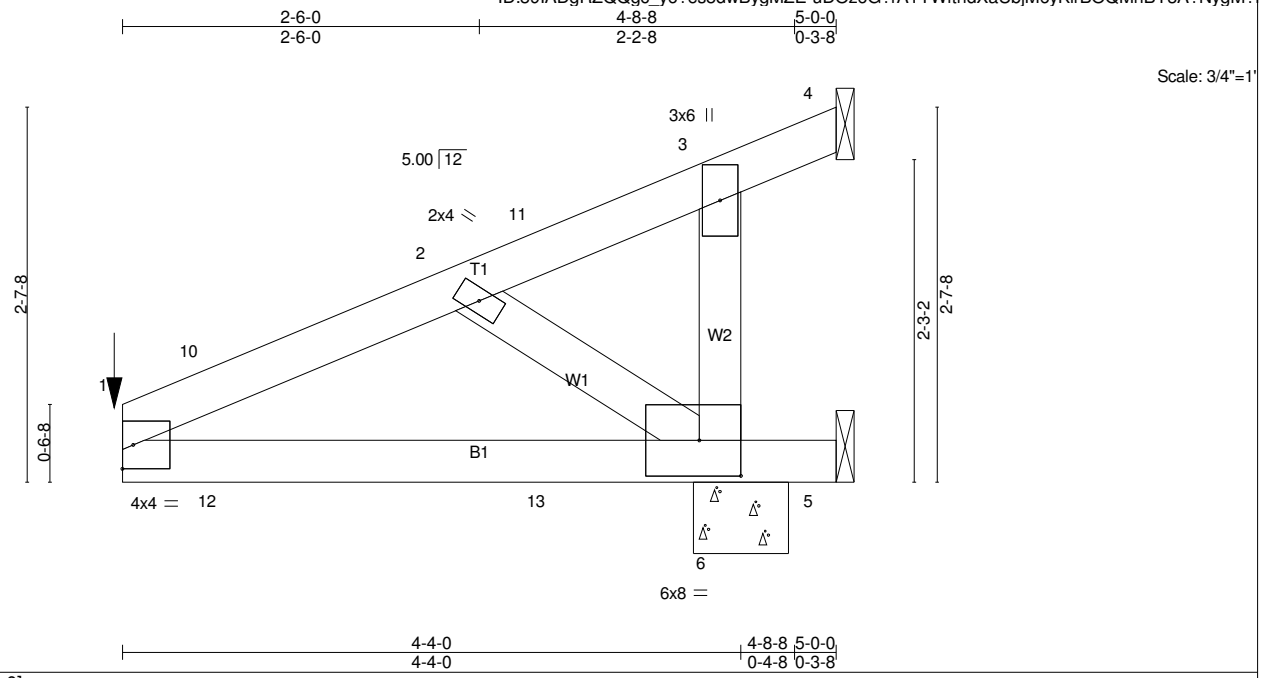

Plate Offsets (X,Y)-- [6:0-3-8,0-3-0]

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	0.90	Vert(LL)	0.00	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	0.00	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	-0.20	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
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 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=-705/Mechanical, 5=-551/Mechanical, 6=1696/0-8-0
Max Horz 6=71(LC 12)
Max Uplift 4=-705(LC 1), 5=-551(LC 1), 6=-412(LC 8)
Max Grav 4=146(LC 8), 5=135(LC 8), 6=1696(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-347/272, 2-10=-341/314, 3-4=-287/278
BOT CHORD 1-12=-297/367, 12-13=-297/367, 6-13=-297/367
WEBS 3-6=-1145/1141, 2-6=-308/356

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 705 lb uplift at joint 4, 551 lb uplift at joint 5 and 412 lb uplift at joint 6.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 46 lb up at 0-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-7=-20
Concentrated Loads (lb)
Vert: 1=-75

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ07	Jack-Open	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:25 2023 Page 1

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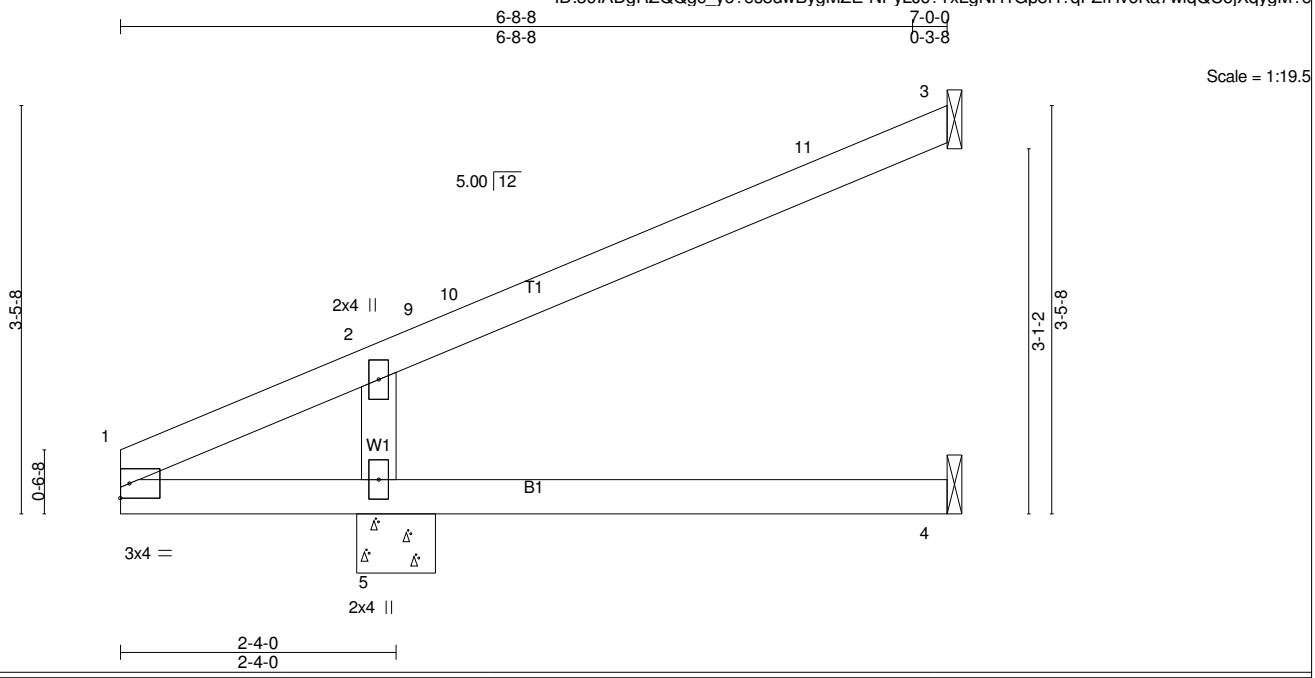

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.03	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 23 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.

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

REACTIONS. (lb/size) 3=102/Mechanical, 4=37/Mechanical, 5=375/0-8-0
Max Horz 5=95(LC 12)
Max Uplift 3=-62(LC 12), 5=-71(LC 8)
Max Grav 3=102(LC 1), 4=75(LC 3), 5=375(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-275/260

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 3 and 71 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ07A	Jack-Open	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:27 2023 Page 1
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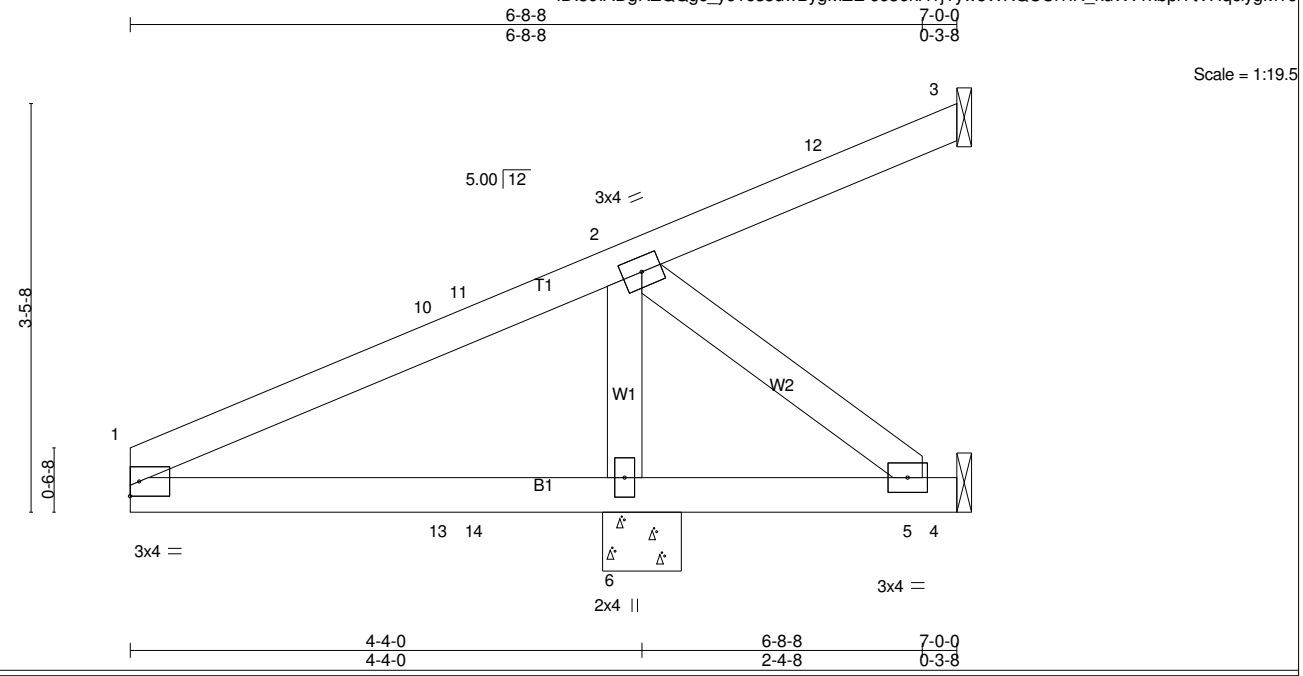

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 29 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 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 3=37/Mechanical, 4=-171/Mechanical, 6=648/0-8-0
Max Horz 6=95(LC 12)
Max Uplift 3=-17(LC 12), 4=-171(LC 1), 6=-168(LC 8)
Max Grav 3=37(LC 1), 4=41(LC 8), 6=648(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-399/266, 10-11=-392/287, 2-11=-389/318
BOT CHORD 1-13=-245/397, 13-14=-245/397, 6-14=-245/397, 5-6=-245/262
WEBS 2-6=-544/552, 2-5=-333/312

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 3, 171 lb uplift at joint 4 and 168 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ09	Jack-Open	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

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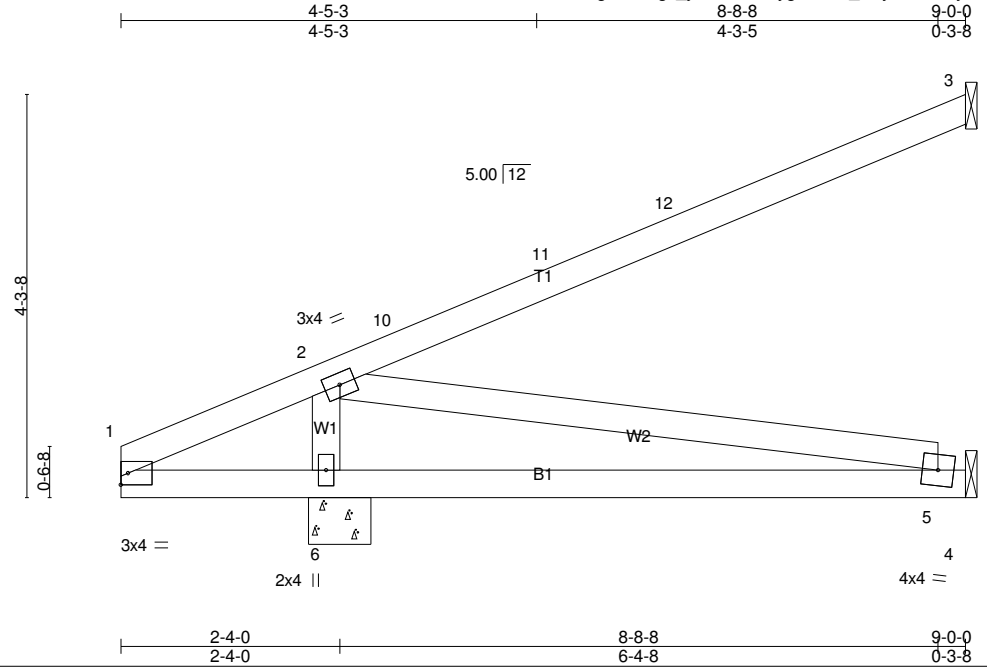

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.07	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.14	5-6	>576	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 39 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.

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

REACTIONS. (lb/size) 3=148/Mechanical, 4=76/Mechanical, 6=438/0-8-0
Max Horz 6=115(LC 12)
Max Uplift 3=-61(LC 12), 4=-8(LC 12), 6=-78(LC 12)
Max Grav 3=148(LC 1), 4=123(LC 3), 6=438(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-325/285

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 3, 8 lb uplift at joint 4 and 78 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	CJ09A	Jack-Open	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

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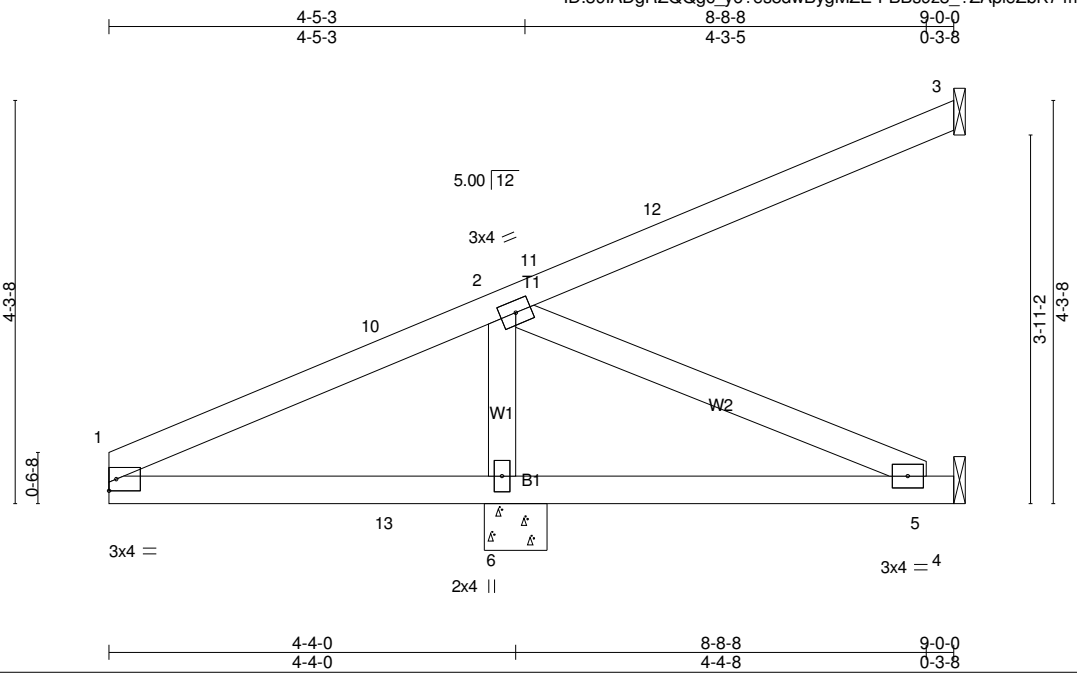

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.02	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 38 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 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 3=98/Mechanical, 4=-59/Mechanical, 6=622/0-8-0
Max Horz 6=115(LC 12)
Max Uplift 3=-37(LC 12), 4=-59(LC 1), 6=-145(LC 8)
Max Grav 3=98(LC 1), 4=22(LC 10), 6=622(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-384/239, 2-10=-373/297
BOT CHORD 1-13=-221/377, 6-13=-221/377
WEBS 2-6=-497/436

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 3, 59 lb uplift at joint 4 and 145 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	EJ01	Jack-Partial	28	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

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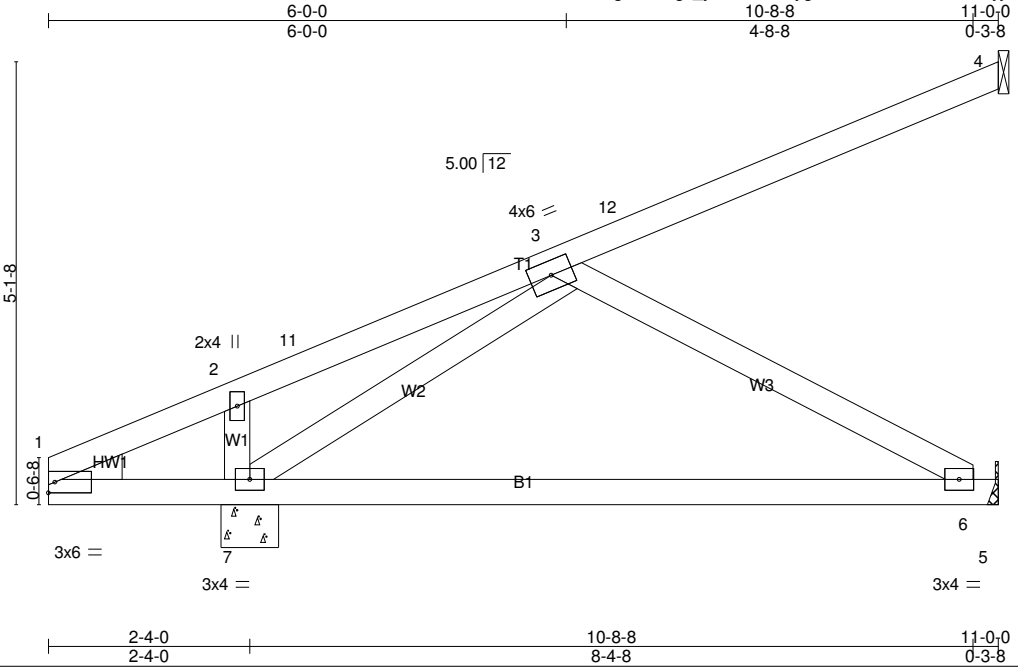

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.19	6-7	>557	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.38	6-7	>276	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 51 lb	FT = 20%

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

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

REACTIONS. (lb/size) 4=111/Mechanical, 5=192/Mechanical, 7=506/0-8-0
Max Horz 7=135(LC 12)
Max Uplift4=-42(LC 8), 5=-41(LC 12), 7=-86(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-259/186, 3-7=-262/180

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 4, 41 lb uplift at joint 5 and 86 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	HJ16	Diagonal Hip Girder	2	1	Job Reference (optional)

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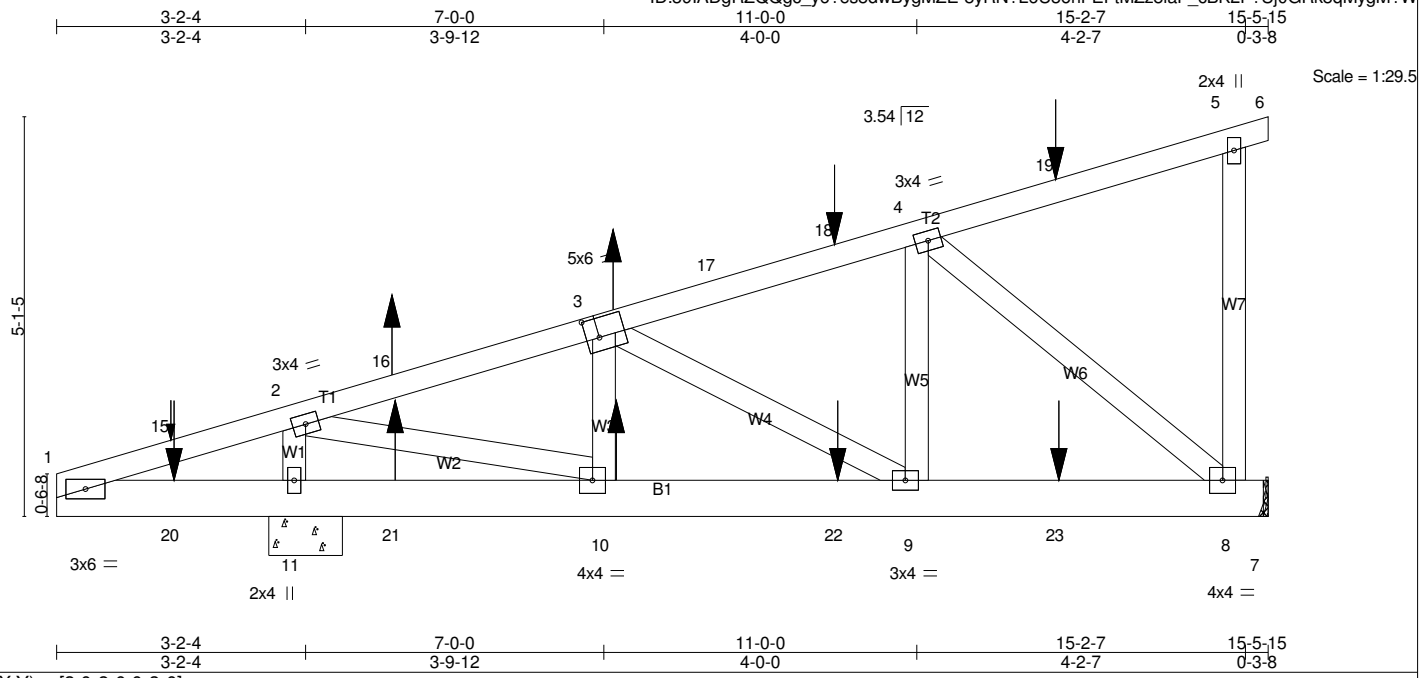

Plate Offsets (X,Y)-- [3:0-2-0,0-3-0]

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	0.44	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.03	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 94 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

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

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

REACTIONS. (lb/size) 7=592/Mechanical, 11=461/0-11-5
Max Horz 11=135(LC 4)
Max Uplift7=-254(LC 10), 11=-429(LC 4)
Max Grav 7=592(LC 1), 11=552(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-143/361, 2-15=-135/381, 2-16=-392/379, 3-16=-368/360, 3-17=-553/240, 17-18=-526/246, 4-18=-482/219
BOT CHORD 1-20=-362/153, 11-20=-362/153, 11-21=-362/18, 10-21=-362/18, 10-22=-395/334, 9-22=-395/334, 9-23=-265/505, 8-23=-265/505
WEBS 2-11=-427/287, 2-10=-308/598, 3-10=-294/70, 3-9=0/358, 4-9=-91/271, 4-8=-631/335

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 254 lb uplift at joint 7 and 429 lb uplift at joint 11.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9 lb down and 9 lb up at 1-6-1, 9 lb down and 9 lb up at 1-6-1, 55 lb down and 172 lb up at 4-4-0, 55 lb down and 172 lb up at 4-4-0, 65 lb up at 7-1-15, 65 lb up at 7-1-15, 34 lb down and 70 lb up at 9-11-14, 34 lb down and 70 lb up at 9-11-14, and 71 lb down and 74 lb up at 12-9-13, and 71 lb down and 74 lb up at 12-9-13 on top chord, and 3 lb down and 3 lb up at 1-6-1, 3 lb down and 3 lb up at 1-6-1, 21 lb down and 140 lb up at 4-4-0, 21 lb down and 140 lb up at 4-4-0, 5 lb down and 61 lb up at 7-1-15, 5 lb down and 61 lb up at 7-1-15, 29 lb down at 9-11-14, 29 lb down at 9-11-14, and 67 lb down and 29 lb up at 12-9-13, and 67 lb down and 29 lb up at 12-9-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-5=-54, 5-6=-54, 7-12=-20

Concentrated Loads (lb)

Vert: 10=62(F=31, B=31) 3=54(F=27, B=27) 16=129(F=64, B=64) 18=-51(F=-26, B=-26) 19=-142(F=-71, B=-71) 20=-7(F=-3, B=-3) 21=159(F=79, B=79) 22=-17(F=-9, B=-9) 23=-95(F=-48, B=-48)

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	HJ16A	Diagonal Hip Girder	2	1	Job Reference (optional)

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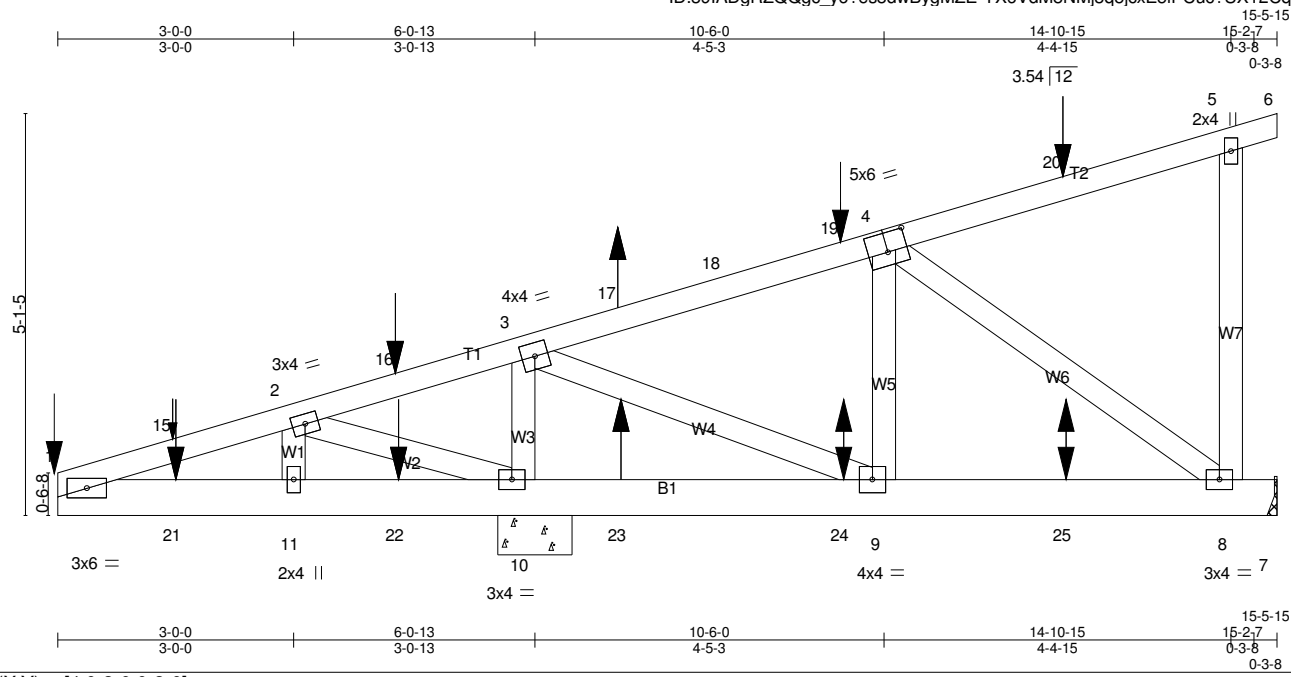

Plate Offsets (X,Y)-- [4:0-3-0,0-3-0]

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	0.95	Vert(LL)	0.02	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	0.04	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.43	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 93 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T1: 2x4 SP No.1
BOT CHORD 2x6 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 5-4-12 oc bracing.

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

REACTIONS. (lb/size) 7=65/Mechanical, 10=703/0-11-5
Max Horz 10=135(LC 8)
Max Uplift7=-262(LC 18), 10=-1039(LC 4)
Max Grav 7=180(LC 22), 10=1139(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-270/620, 2-15=-267/651, 2-16=-386/1400, 3-16=-366/1428, 3-17=-354/752, 17-18=-303/524, 18-19=-300/544, 4-19=-283/570
BOT CHORD 1-21=-594/277, 11-21=-594/277, 11-22=-594/277, 10-22=-594/277, 10-23=-1385/276, 23-24=-1385/276, 9-24=-1385/276, 9-25=-560/245, 8-25=-560/245
WEBS 2-10=-891/213, 3-10=-855/704, 3-9=-455/1136, 4-9=-674/212, 4-8=-305/697

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 262 lb uplift at joint 7 and 1039 lb uplift at joint 10.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 150 lb down and 41 lb up at 0-0-0, 9 lb down and 9 lb up at 1-6-1, 9 lb down and 9 lb up at 1-6-1, 28 lb down and 9 lb up at 4-4-0, 28 lb down and 9 lb up at 4-4-0, 183 lb down and 782 lb up at 7-1-15, 65 lb up at 7-1-15, 11 lb down and 15 lb up at 9-11-14, 34 lb down and 70 lb up at 9-11-14, and 30 lb down and 45 lb up at 12-9-13, and 71 lb down and 74 lb up at 12-9-13 on top chord, and 3 lb down and 3 lb up at 1-6-1, 3 lb down and 3 lb up at 1-6-1, 47 lb down and 49 lb up at 4-4-0, 47 lb down and 49 lb up at 4-4-0, 128 lb down and 579 lb up at 7-1-15, 6 lb down and 61 lb up at 7-1-15, 32 lb down and 199 lb up at 9-11-14, 29 lb down at 9-11-14, and 13 lb down and 87 lb up at 12-9-13, and 67 lb down and 29 lb up at 12-9-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-6=-54, 7-12=-20
   Concentrated Loads (lb)
      Vert: 1=-150 16=-12(F=-6, B=-6) 17=362(F=27, B=335) 19=-26(F) 20=-93(F=-71, B=-21) 21=-7(F=-3, B=-3) 22=-95(F=-47, B=-47) 23=322(F=31, B=291) 24=88(F=-9, B=97) 25=-13(F=-48, B=35)

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	T01	Hip Girder	2	2	Job Reference (optional)

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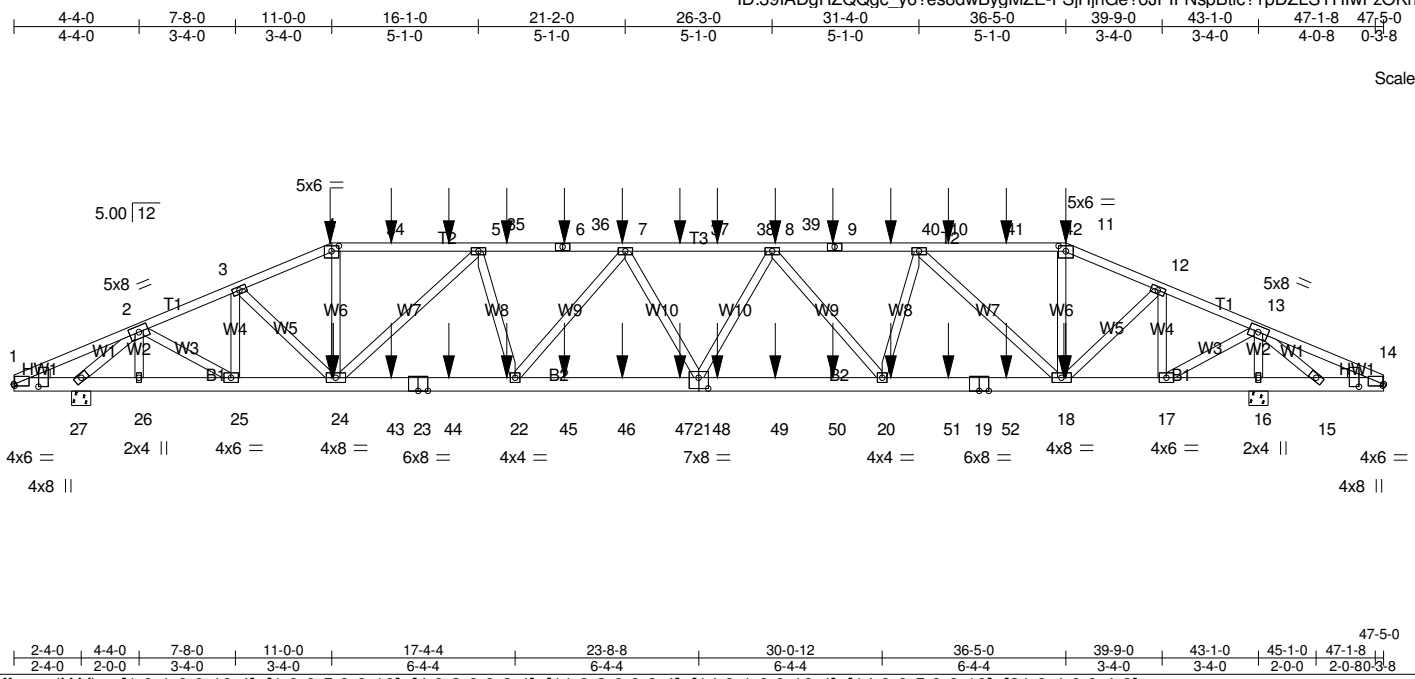

Plate Offsets (X,Y)-- [1:0-1-0,0-10-4], [1:0-0-5,0-0-10], [4:0-3-0,0-2-4], [11:0-3-0,0-2-4], [14:0-1-0,0-10-4], [14:0-0-5,0-0-10], [21:0-4-0,0-4-8]

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	0.49	Vert(LL)	-0.29	21-22	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.52	21-22	>946	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.13	16	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 619 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 3-11-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-17,15-16,14-15.

REACTIONS. (lb/size) 16=3699/0-8-0, 27=3624/0-8-0
Max Horz 27=68(LC 34)
Max Uplift16=-1207(LC 5), 27=-1081(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-387/142, 2-3=-5820/1791, 3-4=-6424/1998, 4-34=-5969/1882, 34-35=-5969/1882, 5-35=-5969/1882, 5-36=-7970/2440, 6-36=-7970/2440, 6-7=-7970/2440, 7-37=-8407/2588, 37-38=-8407/2588, 38-39=-8407/2588, 8-39=-8407/2588, 8-9=-7165/2280, 9-40=-7165/2280, 10-40=-7165/2280, 10-41=-4385/1548, 41-42=-4385/1548, 11-42=-4385/1548, 11-12=-4726/1647, 12-13=-3277/1135, 13-14=-78/304
BOT CHORD 1-27=-101/336, 26-27=-1144/3666, 25-26=-1144/3666, 24-25=-1631/5347, 24-43=-2256/7654, 23-43=-2256/7654, 23-44=-2256/7654, 22-44=-2256/7654, 22-45=-2480/8370, 45-46=-2480/8370, 46-47=-2480/8370, 21-47=-2480/8370, 21-48=-2416/8048, 48-49=-2416/8048, 49-50=-2416/8048, 20-50=-2416/8048, 20-51=-2064/6690, 19-51=-2064/6690, 19-52=-2064/6690, 18-52=-2064/6690, 17-18=-983/2982
WEBS 2-26=-266/120, 2-25=-589/1951, 3-25=-951/319, 3-24=-297/896, 4-24=-643/2153, 5-24=-2388/690, 5-22=-317/1257, 7-22=-679/245, 8-21=-189/774, 8-20=-1422/395, 10-20=-437/1850, 10-18=-3215/864, 11-18=-513/1503, 12-18=-636/1884, 12-17=-2016/688, 13-17=-1187/3636, 13-16=-3342/1118, 2-27=-4475/1327

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 3x6 MT20 unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

NOTES-

9) * 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.
10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1207 lb uplift at joint 16 and 1081 lb uplift at joint 27.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down and 47 lb up at 11-0-0, 57 lb down and 47 lb up at 13-0-12, 57 lb down and 47 lb up at 15-0-12, 57 lb down and 47 lb up at 17-0-12, 57 lb down and 47 lb up at 19-0-12, 57 lb down and 47 lb up at 21-0-12, 57 lb down and 44 lb up at 23-0-12, 57 lb down and 44 lb up at 24-4-4, 57 lb down and 47 lb up at 26-4-4, 57 lb down and 47 lb up at 28-4-4, 57 lb down and 47 lb up at 30-4-4, 57 lb down and 47 lb up at 32-4-4, and 57 lb down and 47 lb up at 34-4-4, and 76 lb down and 47 lb up at 36-5-0 on top chord, and 736 lb down and 343 lb up at 11-0-0, 172 lb down and 61 lb up at 13-0-12, 172 lb down and 61 lb up at 15-0-12, 172 lb down and 61 lb up at 17-0-12, 172 lb down and 61 lb up at 19-0-12, 172 lb down and 61 lb up at 21-0-12, 172 lb down and 61 lb up at 23-0-12, 172 lb down and 61 lb up at 24-4-4, 172 lb down and 61 lb up at 26-4-4, 172 lb down and 61 lb up at 28-4-4, 172 lb down and 61 lb up at 30-4-4, 172 lb down and 61 lb up at 32-4-4, and 172 lb down and 61 lb up at 34-4-4, and 291 lb down and 337 lb up at 36-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-54, 4-11=-54, 11-14=-54, 28-31=-20
   Concentrated Loads (lb)
      Vert: 4=-57(B) 6=-57(B) 11=-57(B) 24=-736(B) 22=-172(B) 7=-57(B) 8=-57(B) 20=-172(B) 18=-209(B) 9=-57(B) 34=-57(B) 35=-57(B) 36=-57(B) 37=-57(B) 39=-57(B) 40=-57(B) 41=-57(B) 42=-57(B) 43=-172(B) 44=-172(B) 45=-172(B) 46=-172(B) 47=-172(B) 48=-172(B) 49=-172(B) 50=-172(B) 51=-172(B) 52=-172(B)

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	T02	Hip	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway — 8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:48 2023 Page 1
ID:39IADgRZQQgc_y6?es8dwBygMZE-Bqr28THuXPa7XZWExcwDhQ6B9N5A09_DjHtRr_ygM?H

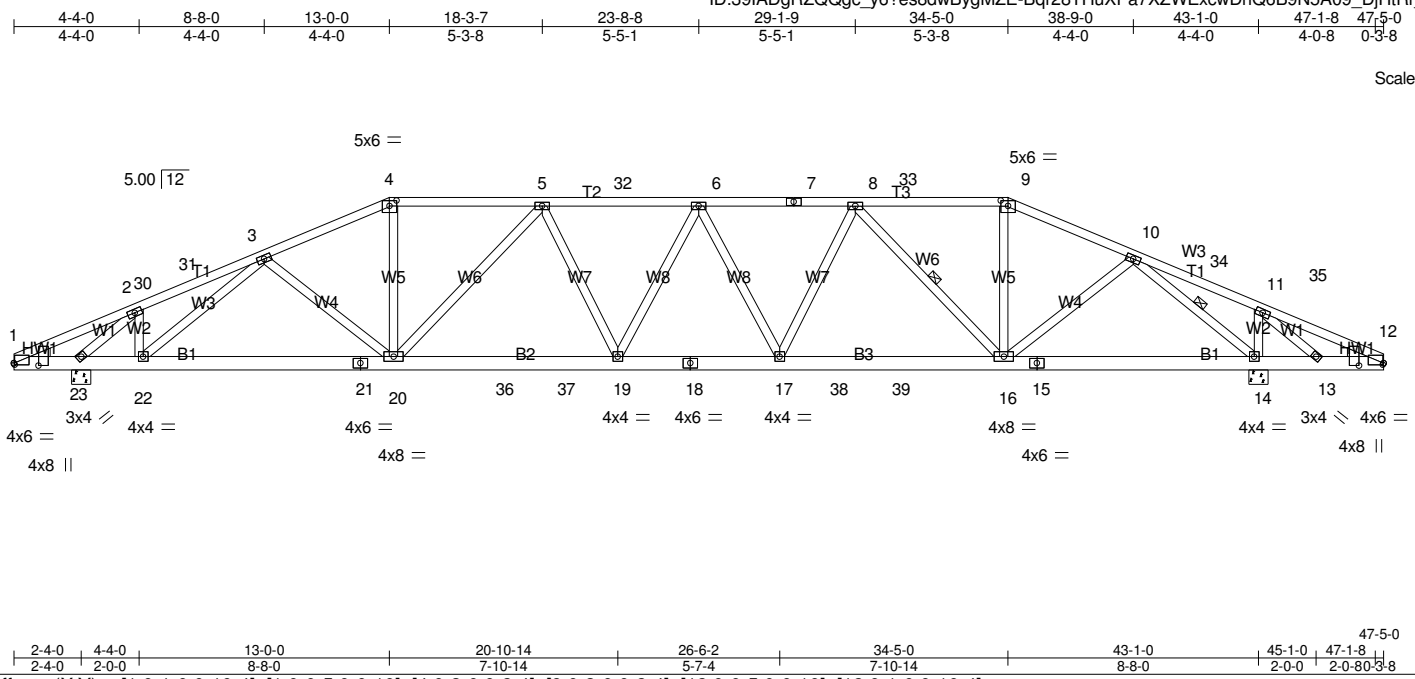

Plate Offsets (X,Y)-- [1:0-1-0,0-10-4], [1:0-0-5,0-0-10], [4:0-3-0,0-2-4], [9:0-3-0,0-2-4], [12:0-0-5,0-0-10], [12:0-1-0,0-10-4]

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	0.33	Vert(LL)	-0.20	19-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.35	19-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.10	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 304 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 3-3-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-16, 10-14

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

REACTIONS. (lb/size) 14=1850/0-8-0, 23=1659/0-8-0
Max Horz 23=-81(LC 13)
Max Uplift 14=-440(LC 9), 23=-378(LC 12)
Max Grav 14=2009(LC 2), 23=1801(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-30=-1903/413, 30-31=-1896/419, 3-31=-1870/427, 3-4=-2607/575, 4-5=-2389/549, 5-32=-2963/700, 6-32=-2963/700, 6-7=-2863/680, 7-33=-2863/680, 8-33=-2863/680, 8-9=-1988/471, 9-10=-2175/492, 10-34=-288/272, 34-35=-294/191, 11-35=-295/182, 11-12=-136/252
BOT CHORD 22-23=-377/1726, 21-22=-499/2321, 20-21=-499/2321, 20-36=-571/2847, 36-37=-571/2847, 19-37=-571/2847, 18-19=-600/2971, 17-18=-600/2971, 17-38=-532/2645, 38-39=-532/2645, 16-39=-532/2645, 15-16=-286/1506, 14-15=-286/1506, 13-14=-212/351
WEBS 2-22=-56/631, 3-22=-788/210, 4-20=-125/798, 5-20=-738/218, 5-19=-65/319, 6-17=-293/144, 8-17=-102/533, 8-16=-1000/274, 9-16=-96/635, 10-16=-108/637, 10-14=-2260/599, 11-14=-254/206, 11-13=-262/45, 2-23=-2219/398

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-8-14, Interior(1) 4-8-14 to 13-0-0, Exterior(2R) 13-0-0 to 19-8-8, Interior(1) 19-8-8 to 34-5-0, Exterior(2R) 34-5-0 to 41-1-8, Interior(1) 41-1-8 to 47-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 440 lb uplift at joint 14 and 378 lb uplift at joint 23.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	T03	Hip	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway — 8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:50 2023 Page 1

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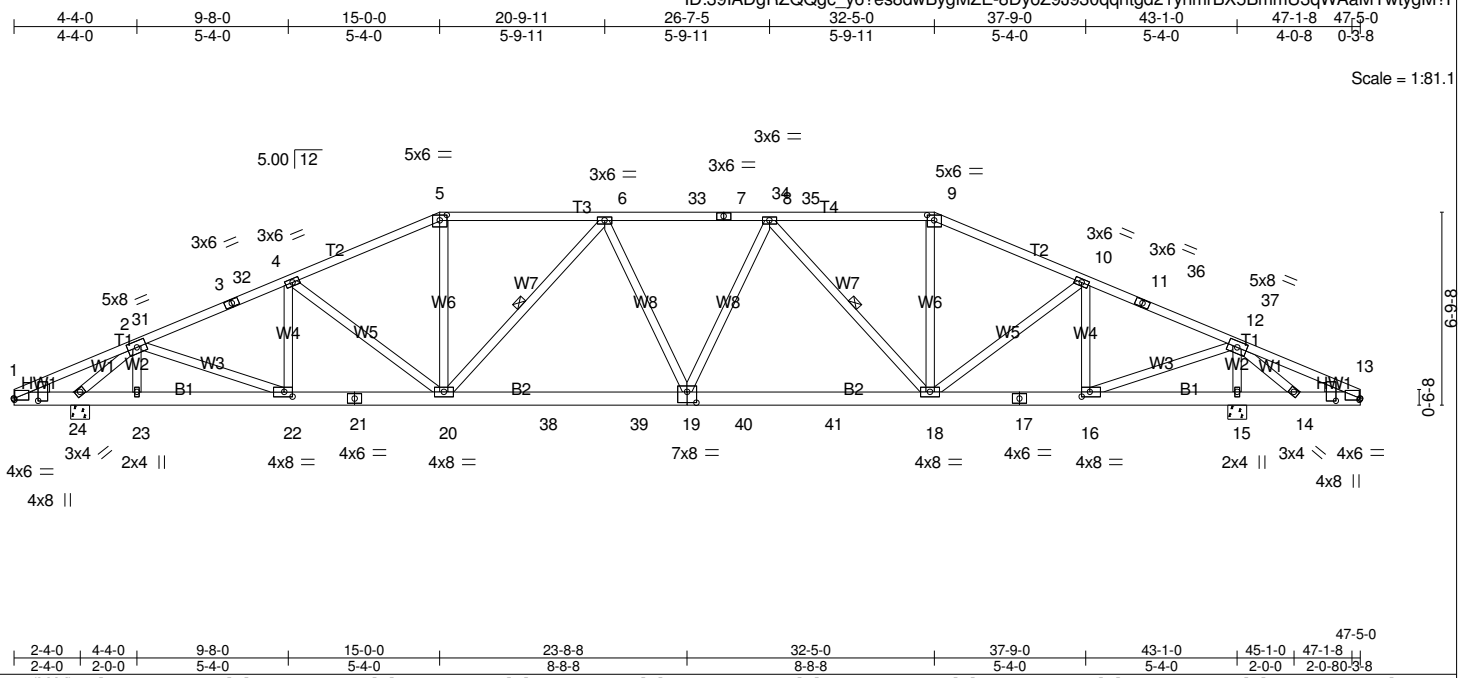

Plate Offsets (X,Y)-- [1:0-1-0,0-10-4], [1:0-0-5,0-0-10], [5:0-3-0,0-2-4], [9:0-3-0,0-2-4], [13:0-1-0,0-10-4], [13:0-0-5,0-0-10], [16:0-3-8,0-2-0], [19:0-4-0,0-4-8], [22:0-3-8,0-2-0]

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 0.37	Vert(LL) -0.20 19-20 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.63	Vert(CT) -0.34 19-20 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.79	Horz(CT) 0.08 15 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS		Weight: 309 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 3-4-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 15-16,14-15,13-14.
WEBS 1 Row at midpt 6-20, 8-18

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

REACTIONS. (lb/size) 15=1850/0-8-0, 24=1659/0-8-0
Max Horz 24=-93(LC 17)
Max Uplift 15=-418(LC 9), 24=-377(LC 12)
Max Grav 15=2025(LC 2), 24=1816(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-31=-2680/539, 3-31=-2673/547, 3-32=-2623/549, 4-32=-2598/556, 4-5=-2538/538, 5-6=-2313/518, 6-33=-2662/593, 33-34=-2662/593, 7-34=-2662/593, 7-35=-2662/593, 8-35=-2662/593, 8-9=-2036/462, 9-10=-2240/481, 10-36=-1826/381, 11-36=-1851/374, 11-37=-1900/372, 12-37=-1907/364, 12-13=-149/272
BOT CHORD 23-24=-406/1707, 22-23=-406/1707, 21-22=-500/2435, 20-21=-500/2435, 20-38=-472/2623, 38-39=-472/2623, 19-39=-472/2623, 19-40=-453/2529, 40-41=-453/2529, 18-41=-453/2529, 17-18=-275/1719, 16-17=-275/1719, 15-16=-219/328, 14-15=-219/328
WEBS 2-22=-145/776, 5-20=-97/737, 6-20=-554/153, 8-19=-72/368, 8-18=-799/202, 9-18=-79/621, 10-18=-91/438, 10-16=-603/216, 12-16=-486/2062, 12-15=-1739/559, 2-24=-2186/429

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-8-14, Interior(1) 4-8-14 to 15-0-0, Exterior(2R) 15-0-0 to 21-8-8, Interior(1) 21-8-8 to 32-5-0, Exterior(2R) 32-5-0 to 39-1-8, Interior(1) 39-1-8 to 47-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) * 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.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 418 lb uplift at joint 15 and 377 lb uplift at joint 24.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	T04	Hip	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway — 8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:52 2023 Page 1
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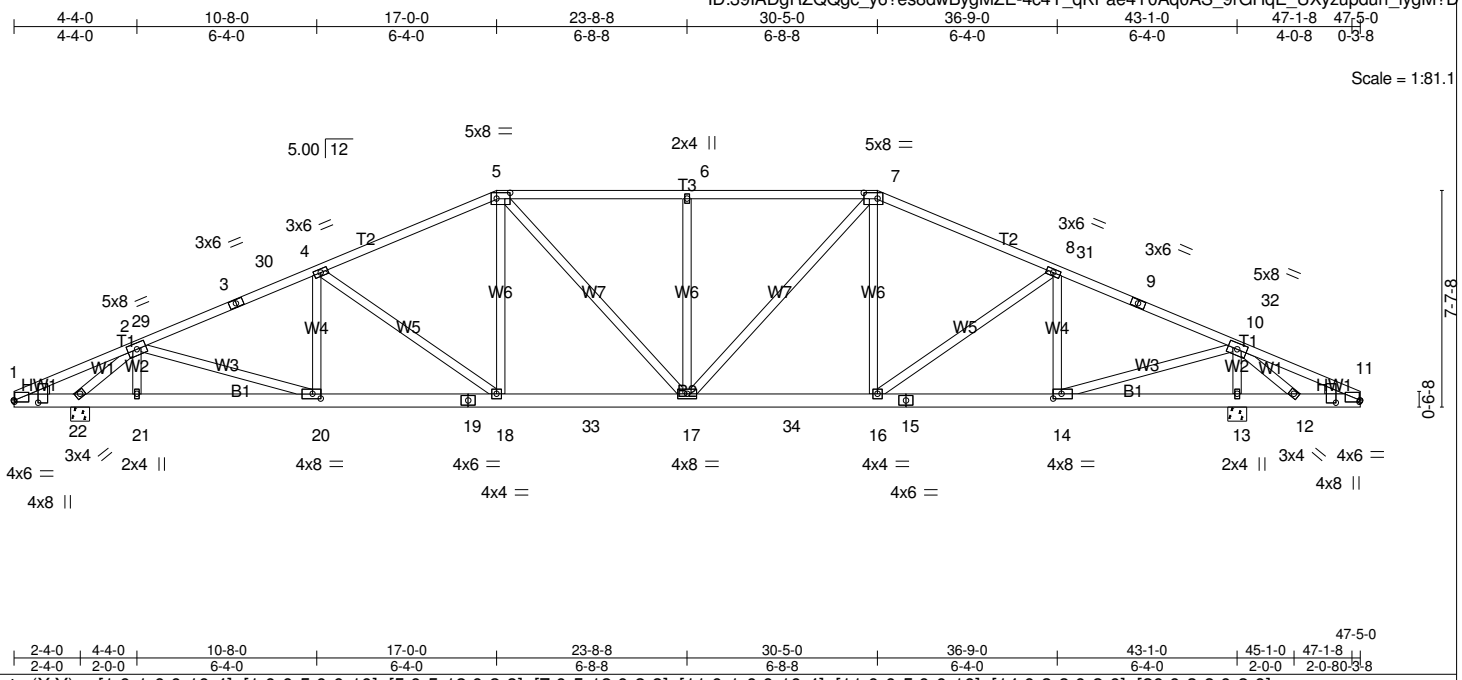

Plate Offsets (X,Y)-- [1:0-1-0,0-10-4], [1:0-0-5,0-0-10], [5:0-5-12,0-2-8], [7:0-5-12,0-2-8], [11:0-1-0,0-10-4], [11:0-0-5,0-0-10], [14:0-3-8,0-2-0], [20:0-3-8,0-2-0]

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 0.52	Vert(LL) -0.17 17-18 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.48	Vert(CT) -0.29 17-18 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.81	Horz(CT) 0.07 13 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS		Weight: 312 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 3-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 13-14,12-13,11-12.

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

REACTIONS. (lb/size) 13=1850/0-8-0, 22=1659/0-8-0
Max Horz 22=106(LC 16)
Max Uplift 13=-407(LC 13), 22=-375(LC 12)
Max Grav 13=2023(LC 2), 22=1814(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-29=-2708/533, 3-29=-2701/542, 3-30=-2649/552, 4-30=-2601/554, 4-5=-2417/505, 5-6=-2354/529, 6-7=-2354/529, 7-8=-2216/455, 8-31=-1948/403, 9-31=-1996/402, 9-32=-2048/392, 10-32=-2055/382, 10-11=-153/283
BOT CHORD 21-22=-426/1735, 20-21=-426/1735, 19-20=-502/2455, 18-19=-502/2455, 18-33=-361/2185, 17-33=-361/2185, 17-34=-277/1994, 16-34=-277/1994, 15-16=-264/1848, 14-15=-264/1848, 13-14=-195/322, 12-13=-195/322
WEBS 2-20=-140/754, 4-18=-356/175, 5-18=-64/478, 5-17=-127/383, 6-17=-413/199, 7-17=-171/608, 8-16=-53/269, 8-14=-490/205, 10-14=-505/2135, 10-13=-1720/565, 2-22=-2232/441

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-8-14, Interior(1) 4-8-14 to 17-0-0, Exterior(2R) 17-0-0 to 23-8-8, Interior(1) 23-8-8 to 30-5-0, Exterior(2R) 30-5-0 to 37-1-8, Interior(1) 37-1-8 to 47-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) * 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.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 407 lb uplift at joint 13 and 375 lb uplift at joint 22.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	T05	Hip	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway

8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:54 2023 Page 1

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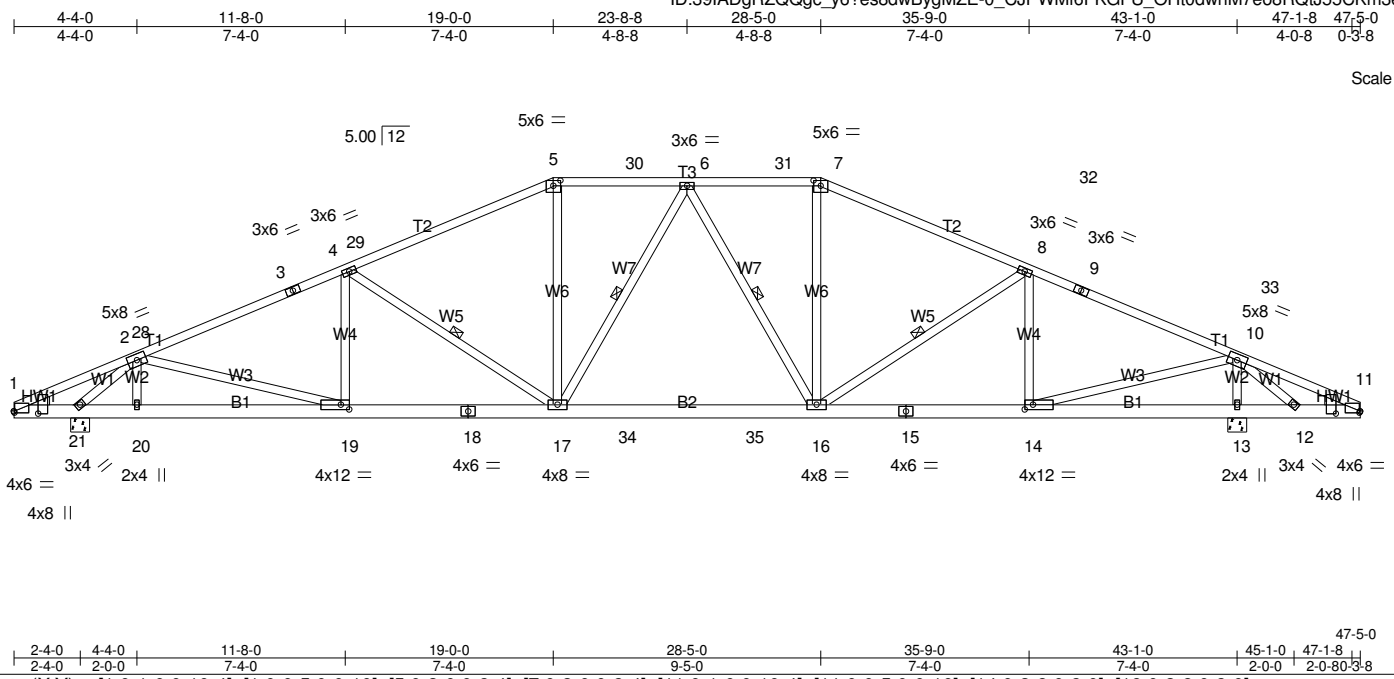

Plate Offsets (X,Y)-- [1:0-1-0,0-10-4], [1:0-0-5,0-0-10], [5:0-3-0,0-2-4], [7:0-3-0,0-2-4], [11:0-1-0,0-10-4], [11:0-0-5,0-0-10], [14:0-3-8,0-2-0], [19:0-3-8,0-2-0]

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 0.71	Vert(LL) -0.20 16-17 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.58	Vert(CT) -0.33 16-17 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.82	Horz(CT) 0.07 13 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS		Weight: 311 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 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-17, 6-17, 6-16, 8-16

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

REACTIONS. (lb/size) 13=1850/0-8-0, 21=1659/0-8-0
Max Horz 21=-118(LC 17)
Max Uplift 13=-405(LC 13), 21=-372(LC 12)
Max Grav 13=2010(LC 2), 21=1803(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-28=-2693/526, 3-28=-2686/537, 3-4=-2581/550, 4-29=-2279/447, 5-29=-2268/471, 5-30=-2049/471, 6-30=-2049/471, 6-31=-1934/435, 7-31=-1934/435, 7-32=-2144/433, 8-32=-2155/409, 8-9=-2029/419, 9-33=-2134/407, 10-33=-2141/396, 10-11=-156/298
BOT CHORD 20-21=-445/1763, 19-20=-445/1763, 18-19=-503/2433, 17-18=-503/2433, 17-34=-289/2048, 34-35=-289/2048, 16-35=-289/2048, 15-16=-265/1922, 14-15=-265/1922, 13-14=-160/317, 12-13=-160/317
WEBS 2-19=-133/694, 4-17=-496/226, 5-17=-81/605, 6-16=-379/148, 7-16=-83/561, 8-14=-404/192, 10-14=-521/2149, 10-13=-1672/574, 2-21=-2283/452

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-8-14, Interior(1) 4-8-14 to 19-0-0, Exterior(2R) 19-0-0 to 25-8-8, Interior(1) 25-8-8 to 28-5-0, Exterior(2R) 28-5-0 to 35-1-8, Interior(1) 35-1-8 to 47-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) * 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.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 405 lb uplift at joint 13 and 372 lb uplift at joint 21.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	T06	Hip	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway — 8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:55 2023 Page 1

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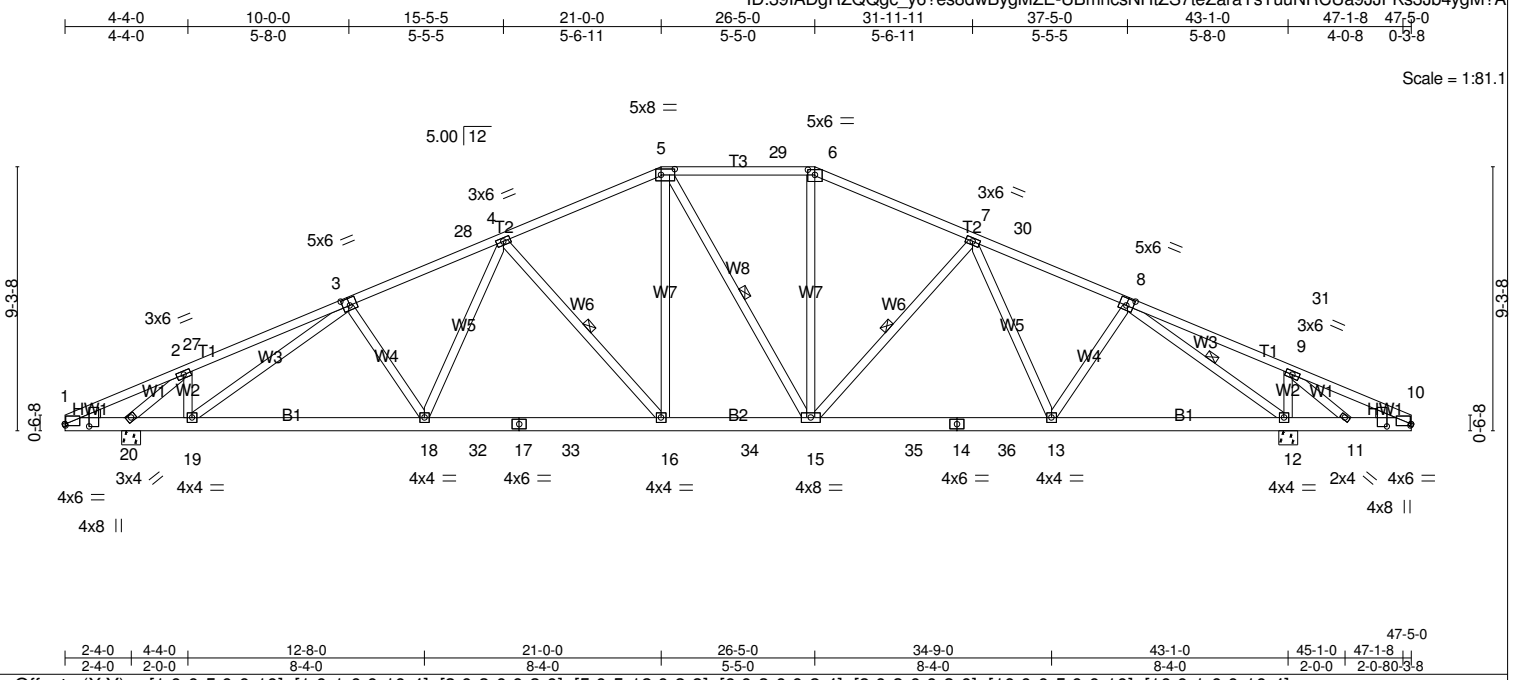

Plate Offsets (X,Y)-- [1:0-0-5,0-0-10], [1:0-1-0,0-10-4], [3:0-3-0,0-3-0], [5:0-5-12,0-2-8], [6:0-3-0,0-2-4], [8:0-3-0,0-3-0], [10:0-0-5,0-0-10], [10:0-1-0,0-10-4]

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	0.39	Vert(LL)	-0.18	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.30	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 321 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 3-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12,10-11.
WEBS 1 Row at midpt 4-16, 5-15, 7-15, 8-12

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

REACTIONS. (lb/size) 12=1850/0-8-0, 20=1659/0-8-0
Max Horz 20=-130(LC 17)
Max Uplift 12=-402(LC 13), 20=-370(LC 12)
Max Grav 12=2048(LC 2), 20=1839(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-27=-1962/428, 3-27=-1955/446, 3-28=-2695/538, 4-28=-2612/553, 4-5=-2144/451, 5-29=-1879/434, 6-29=-1879/434, 6-7=-2079/440, 7-30=-2126/440, 8-30=-2209/424, 8-31=-269/260, 9-31=-271/150, 9-10=-143/263
BOT CHORD 19-20=-432/1769, 18-19=-524/2452, 18-32=-423/2289, 17-32=-423/2289, 17-33=-423/2289, 16-33=-423/2289, 16-34=-271/1942, 15-34=-271/1942, 15-35=-237/2015, 14-35=-237/2015, 14-36=-237/2015, 13-36=-237/2015, 12-13=-246/1777, 11-12=-187/334
WEBS 2-19=-23/599, 3-19=-859/172, 4-18=-72/424, 4-16=-560/235, 5-16=-137/693, 5-15=-257/112, 6-15=-86/551, 7-15=-273/173, 8-13=-38/422, 8-12=-2462/602, 9-12=-292/219, 2-20=-2268/412

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-8-14, Interior(1) 4-8-14 to 21-0-0, Exterior(2E) 21-0-0 to 26-5-0, Exterior(2R) 26-5-0 to 33-1-8, Interior(1) 33-1-8 to 47-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) * 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.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 402 lb uplift at joint 12 and 370 lb uplift at joint 20.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	T07	Hip	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway — 8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:57 2023 Page 1
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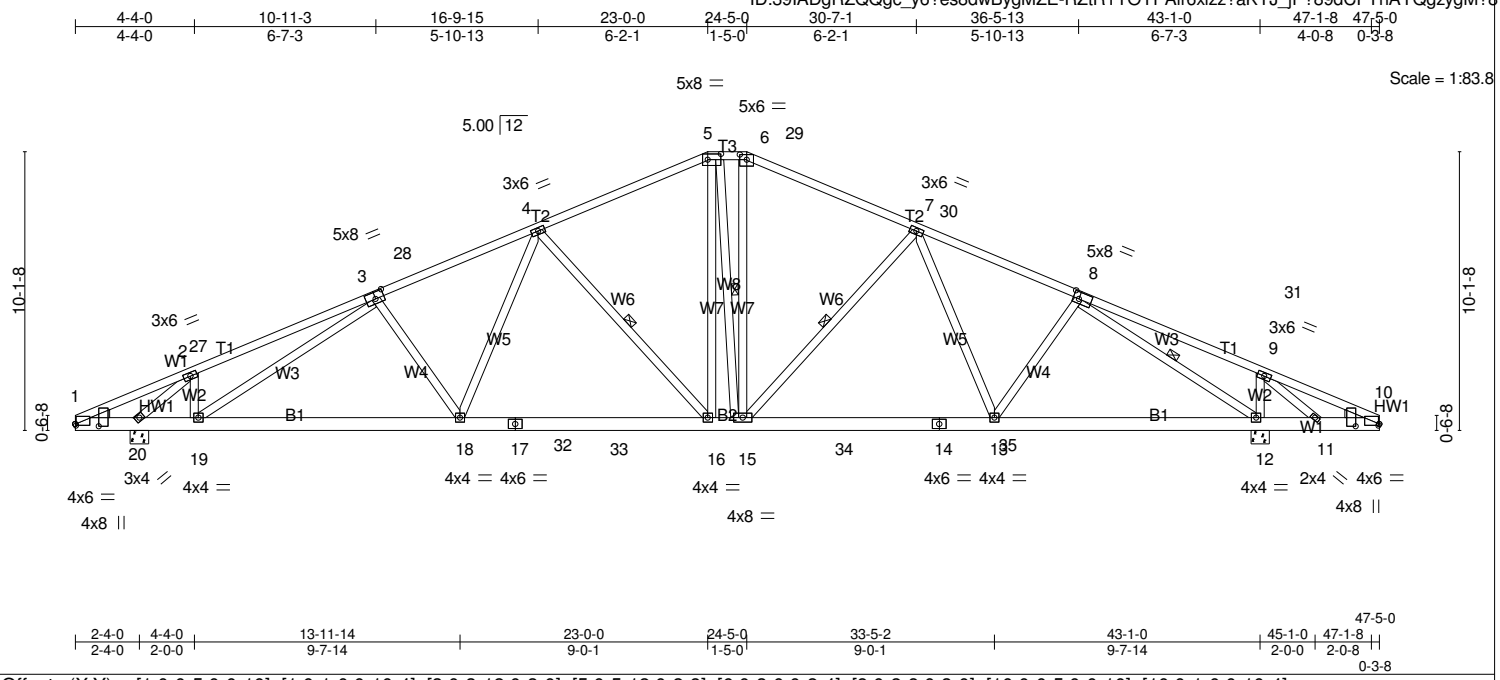

Plate Offsets (X,Y)-- [1:0-0-5,0-0-10], [1:0-1-0,0-10-4], [3:0-3-12,0-3-0], [5:0-5-12,0-2-8], [6:0-3-0,0-2-4], [8:0-2-8,0-3-0], [10:0-0-5,0-0-10], [10:0-1-0,0-10-4]

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 0.42	Vert(LL) -0.19 16-18 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.64	Vert(CT) -0.32 16-18 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.93	Horz(CT) 0.09 12 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS		Weight: 331 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 3-4-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12,10-11.
WEBS 1 Row at midpt 4-16, 5-15, 7-15, 8-12

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

REACTIONS. (lb/size) 12=1850/0-8-0, 20=1659/0-8-0
Max Horz 20=143(LC 12)
Max Uplift 12=-399(LC 13), 20=-367(LC 12)
Max Grav 12=2038(LC 2), 20=1828(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-27=-2010/436, 3-27=-2003/457, 3-28=-2632/537, 4-28=-2531/539, 4-5=-1962/417, 5-29=-1767/411, 6-29=-1767/411, 6-7=-1964/414, 7-30=-2142/444, 8-30=-2243/443, 8-31=-262/227, 9-31=-264/91, 9-10=-146/284
BOT CHORD 19-20=-447/1806, 18-19=-526/2432, 18-32=-399/2196, 17-32=-399/2196, 17-33=-399/2196, 16-33=-399/2196, 15-16=-222/1765, 15-34=-240/1991, 14-34=-240/1991, 14-35=-240/1991, 13-35=-240/1991, 12-13=-254/1853, 11-12=-148/331
WEBS 2-19=0/587, 3-19=-769/154, 4-18=-92/535, 4-16=-682/271, 5-16=-136/577, 6-15=-130/574, 7-15=-401/211, 8-13=-4/342, 8-12=-2437/600, 9-12=-312/236, 2-20=-2337/416

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-8-14, Interior(1) 4-8-14 to 23-0-0, Exterior(2E) 23-0-0 to 24-5-0, Exterior(2R) 24-5-0 to 31-1-8, Interior(1) 31-1-8 to 47-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) * 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.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 399 lb uplift at joint 12 and 367 lb uplift at joint 20.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	REED - OFFICE BLDG
3661678	T08	Common	9	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055, Kim Holloway — 8.530 s Jan 6 2022 MiTek Industries, Inc. Wed Sep 6 13:21:59 2023 Page 1
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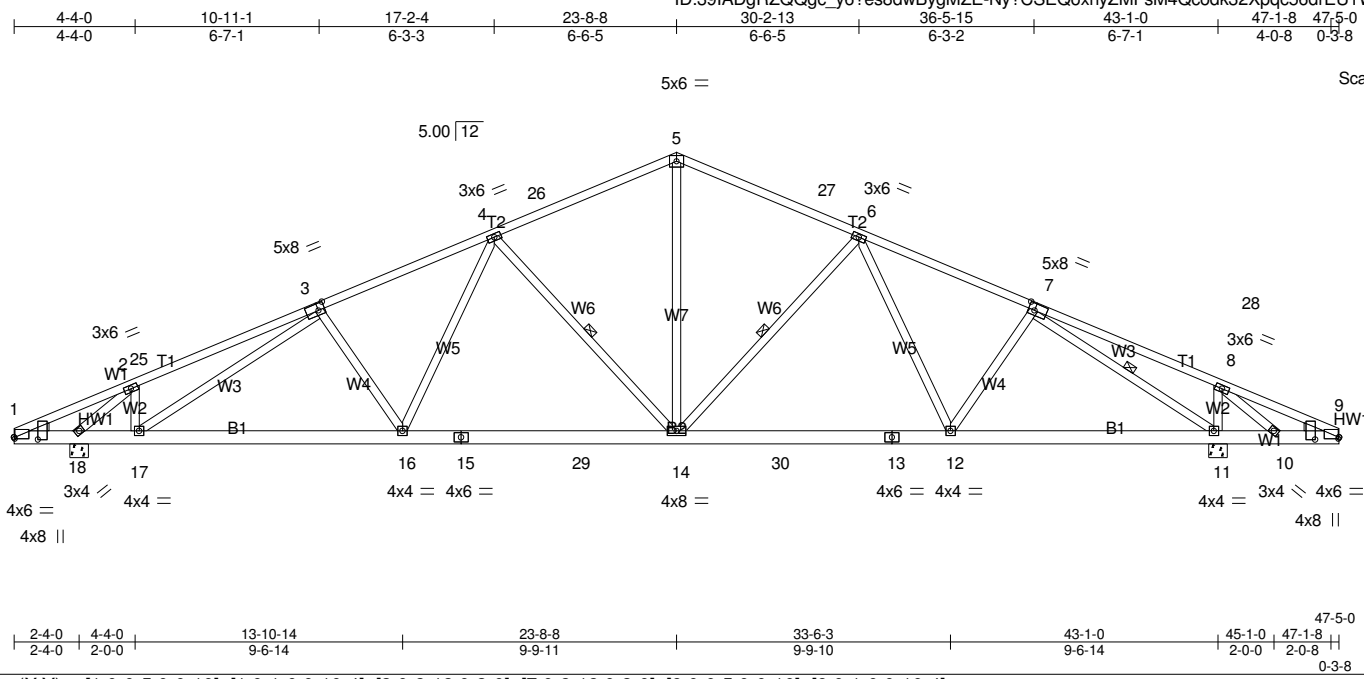

Plate Offsets (X,Y)-- [1:0-0-5,0-0-10], [1:0-1-0,0-10-4], [3:0-2-12,0-3-0], [7:0-2-12,0-3-0], [9:0-0-5,0-0-10], [9:0-1-0,0-10-4]

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	0.45	Vert(LL)	-0.19	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.32	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 306 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 3-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-11,9-10.
WEBS 1 Row at midpt 6-14, 7-11, 4-14

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

REACTIONS. (lb/size) 11=1850/0-8-0, 18=1659/0-8-0
Max Horz 18=147(LC 12)
Max Uplift 11=-398(LC 13), 18=-366(LC 12)
Max Grav 11=2040(LC 2), 18=1830(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-2008/435, 3-25=-2002/456, 3-4=-2638/538, 4-26=-1942/408, 5-26=-1882/427, 5-27=-1882/421, 6-27=-1942/402, 6-7=-2250/444, 7-28=-264/234, 8-28=-265/99, 8-9=-145/280
BOT CHORD 17-18=-451/1806, 16-17=-529/2437, 15-16=-395/2177, 15-29=-395/2177, 14-29=-395/2177, 14-30=-241/1985, 13-30=-241/1985, 12-13=-241/1985, 11-12=-253/1859, 10-11=-154/332
WEBS 5-14=-194/1183, 6-14=-436/229, 7-12=-3/343, 7-11=-2457/614, 8-11=-311/234, 4-14=-685/284, 4-16=-95/537, 3-17=-777/160, 2-17=-1/591, 2-18=-2335/416

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-8-14, Interior(1) 4-8-14 to 23-8-8, Exterior(2R) 23-8-8 to 28-5-6, Interior(1) 28-5-6 to 47-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 398 lb uplift at joint 11 and 366 lb uplift at joint 18.

LOAD CASE(S) Standard