Job	Truss	Truss Type	Qty	Ply	
JR366-20	F01	Floor	4	1	Job Reference (optional)

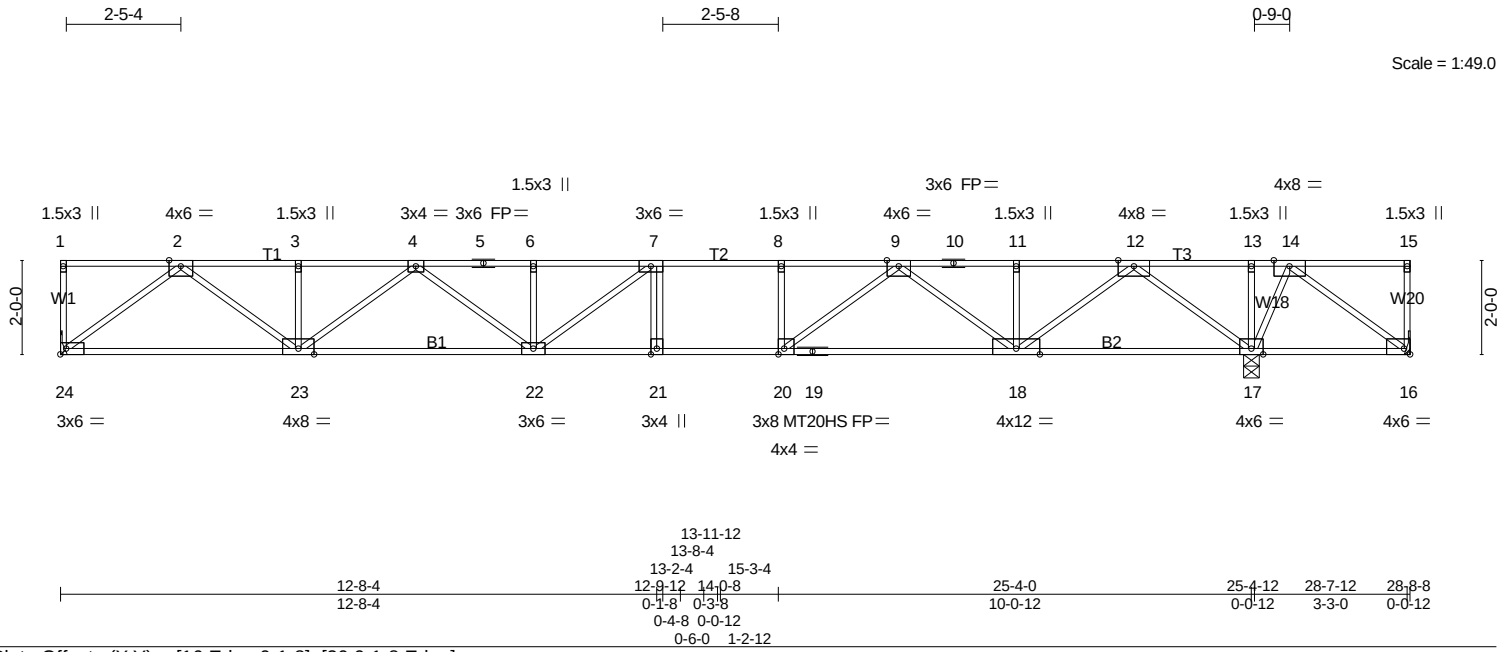

Plate Offsets (X,Y)-- [16:Edge,0-1-8], [20:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.96	Vert(LL)	-0.57	21-22	>528	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.77	21-22	>396	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.07	17	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 156 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except*
T2: 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat) *Except*
B2: 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 16=-802/Mechanical, 17=2685/0-4-0 (min. 0-1-8), 24=1261/Mechanical
Max Uplift16=-939(LC 8)
Max Grav17=2685(LC 1), 24=1261(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2663/0, 3-4=-2663/0, 4-5=-3870/0, 5-6=-3870/0, 6-7=-3870/0, 7-8=-3643/0, 8-9=-3643/0, 9-10=-1608/0, 10-11=-1608/0, 11-12=-1608/0, 12-13=0/1941, 13-14=0/1941
BOT CHORD 23-24=0/1519, 22-23=0/3413, 21-22=0/3643, 20-21=0/3643, 19-20=0/2705, 18-19=0/2705, 17-18=-427/508, 16-17=-1399/0
WEBS 2-24=-1899/0, 12-17=-2264/0, 2-23=0/1429, 12-18=0/1856, 11-18=-282/0, 4-23=-937/0, 9-18=-1372/0, 4-22=0/571, 9-20=0/1195, 6-22=-407/0, 8-20=-513/0, 7-22=-236/470, 14-16=0/1748, 14-17=-1363/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 939 lb uplift at joint 16.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F02	Floor	4	1	Job Reference (optional)

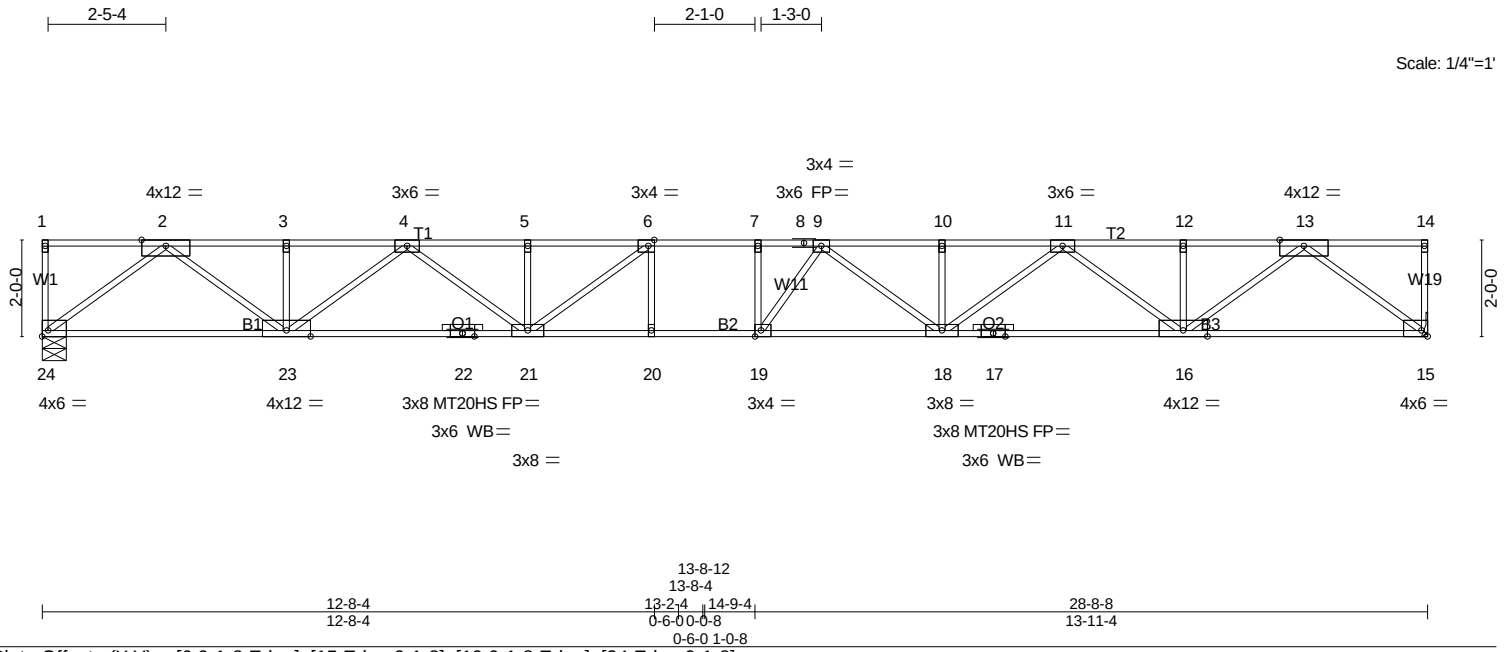

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [15:Edge,0-1-8], [19:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.81	Vert(LL)	-0.59	18-19	>582	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.82	18-19	>420	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.15	15	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 156 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except* T1: 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.1(flat) *Except* B2: 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 21-23.

REACTIONS. (lb/size) 15=1572/Mechanical, 24=1572/0-6-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3494/0, 3-4=-3494/0, 4-5=-5472/0, 5-6=-5472/0, 6-7=-5957/0, 7-8=-5957/0, 8-9=-5957/0, 9-10=-5482/0, 10-11=-5482/0, 11-12=-3492/0, 12-13=-3492/0
BOT CHORD 23-24=0/1936, 22-23=0/4654, 21-22=0/4654, 20-21=0/5957, 19-20=0/5957, 18-19=0/5903, 17-18=0/4656, 16-17=0/4656, 15-16=0/1935
WEBS 13-15=-2419/0, 2-24=-2419/0, 13-16=0/1947, 2-23=0/1948, 11-16=-1454/0, 4-23=-1450/0, 11-18=0/1033, 4-21=0/1022, 10-18=-252/0, 5-21=-329/67, 9-18=-668/0, 6-21=-1021/82, 9-19=-385/636, 7-19=-375/186

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x3 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 22 = 11%, joint 17 = 11%
5) Refer to girder(s) for truss to truss connections.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F03	Floor Supported Gable	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Mar 23 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:44:58 2021 Page 1
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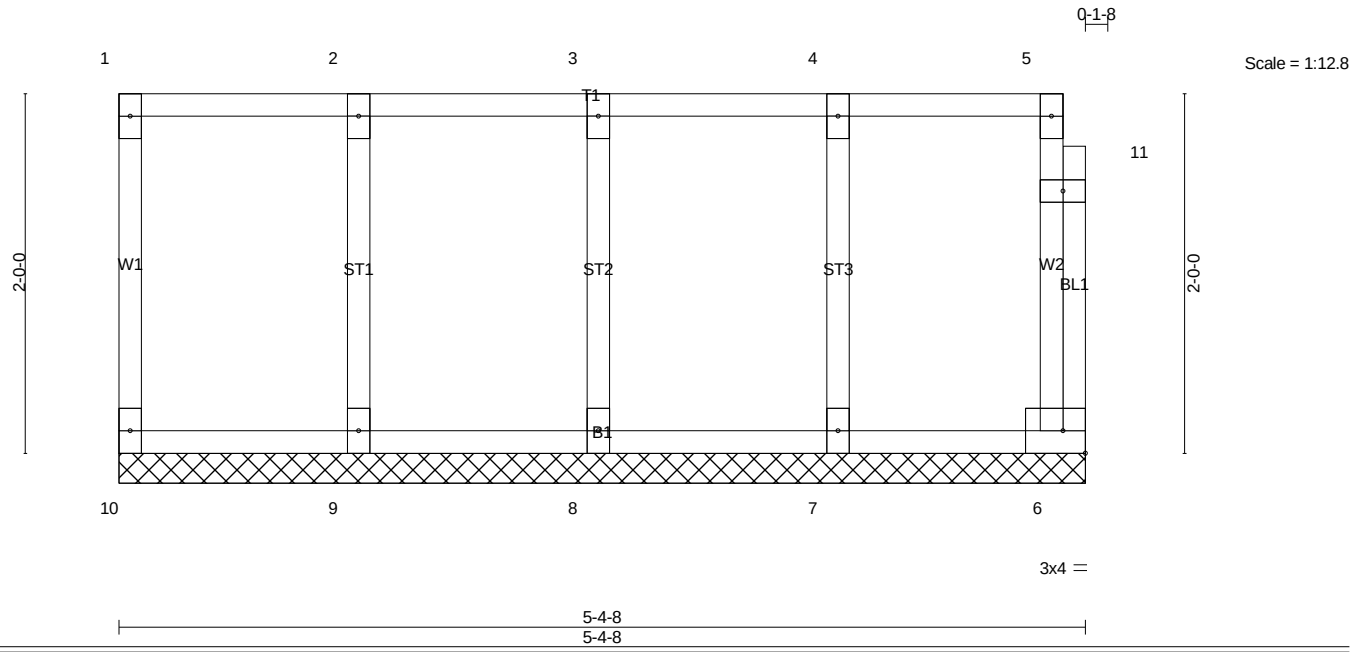

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 31 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-4-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F04	Floor	7	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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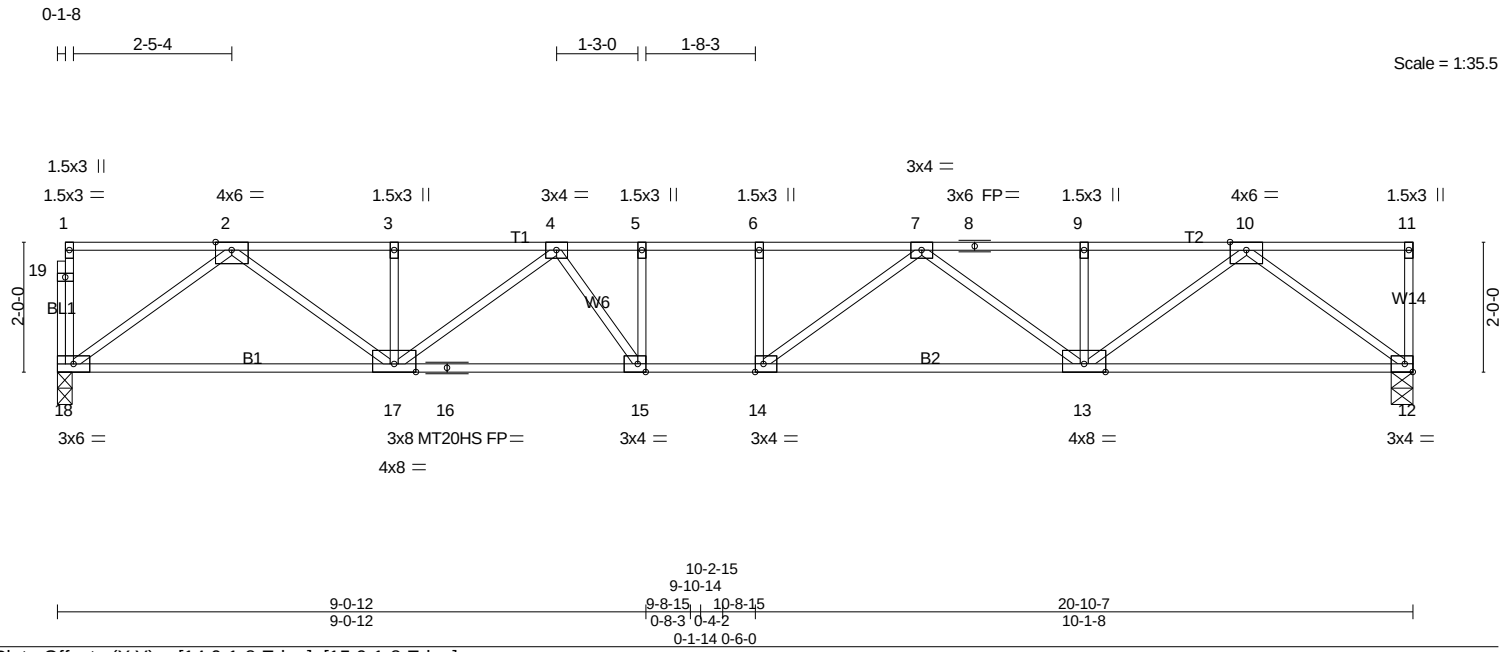

Plate Offsets (X,Y)-- [14:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	-0.28	13-14	>882	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.39	13-14	>644	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 114 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 18=1131/0-2-12 (min. 0-1-8), 12=1138/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2354/0, 3-4=-2354/0, 4-5=-3122/0, 5-6=-3122/0, 6-7=-3122/0, 7-8=-2338/0, 8-9=-2338/0, 9-10=-2338/0
BOT CHORD 17-18=0/1382, 16-17=0/2927, 15-16=0/2927, 14-15=0/3122, 13-14=0/2921, 12-13=0/1359
WEBS 10-12=-1699/0, 2-18=-1708/0, 10-13=0/1223, 2-17=0/1216, 3-17=-255/0, 7-13=-729/0, 4-17=-716/0, 7-14=-88/540, 4-15=-68/621, 5-15=-383/14

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F05	Floor Supported Gable	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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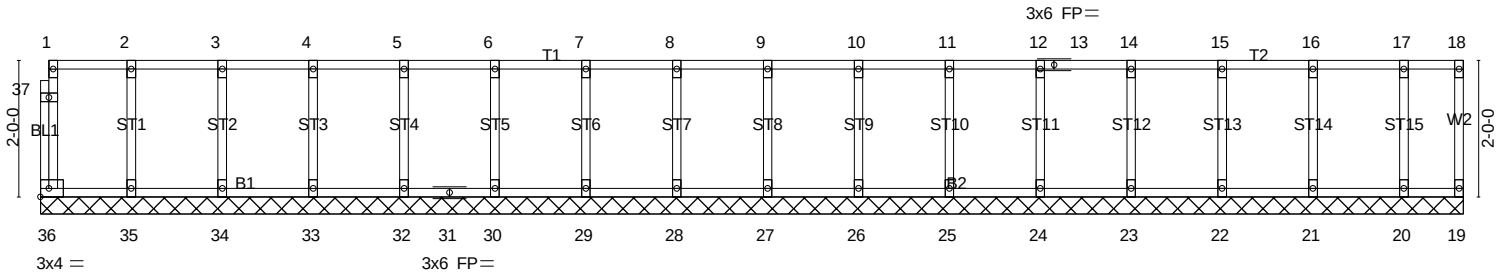

10-5-4 | 20-10-7
10-5-4 | 10-5-4

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	19	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 108 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 20-10-7.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Non Standard bearing condition. Review required.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F06	Floor	6	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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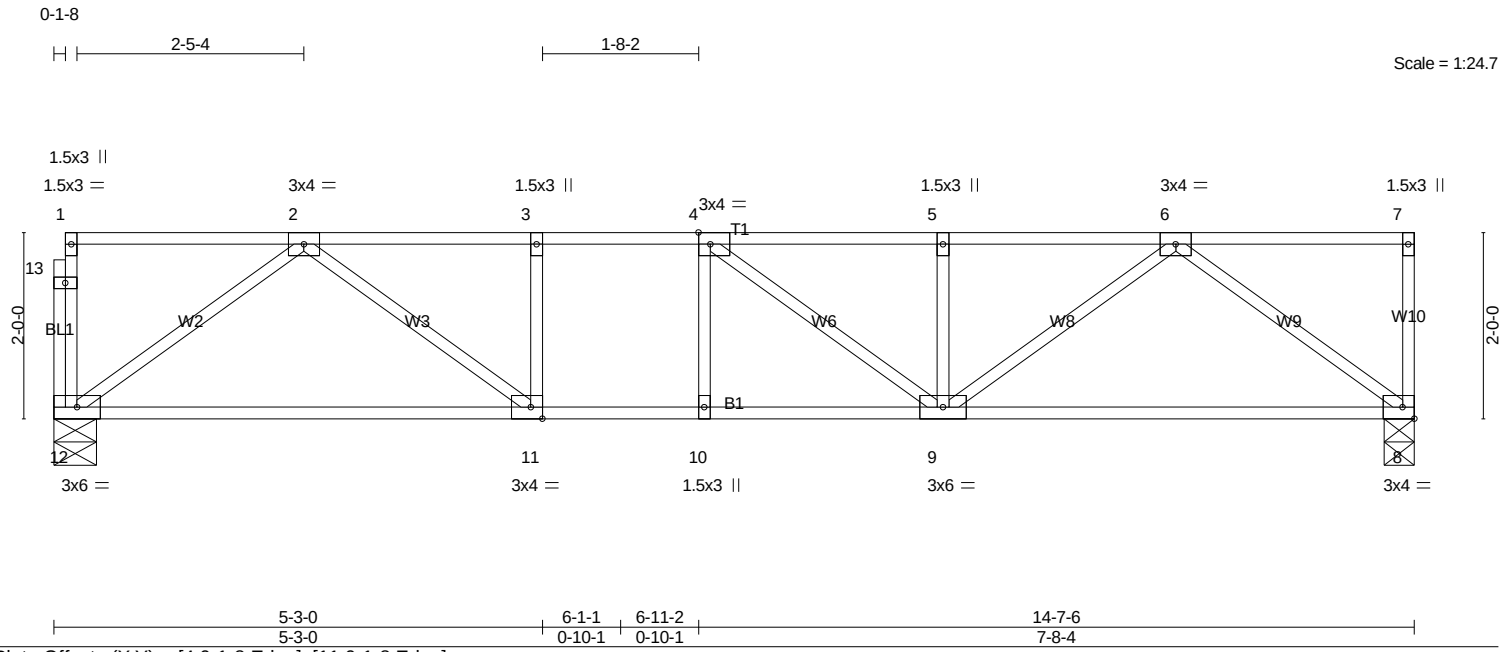

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [11:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.17	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.20	9-10	>866	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 81 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 12=787/0-5-8 (min. 0-1-8), 8=793/0-3-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1474/0, 3-4=-1474/0, 4-5=-1435/0, 5-6=-1435/0
BOT CHORD 11-12=0/918, 10-11=0/1474, 9-10=0/1474, 8-9=0/898
WEBS 6-8=-1122/0, 2-12=-1133/0, 6-9=0/672, 2-11=0/716, 5-9=-317/0, 3-11=-301/0, 4-9=-293/135

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F07	Floor Supported Gable	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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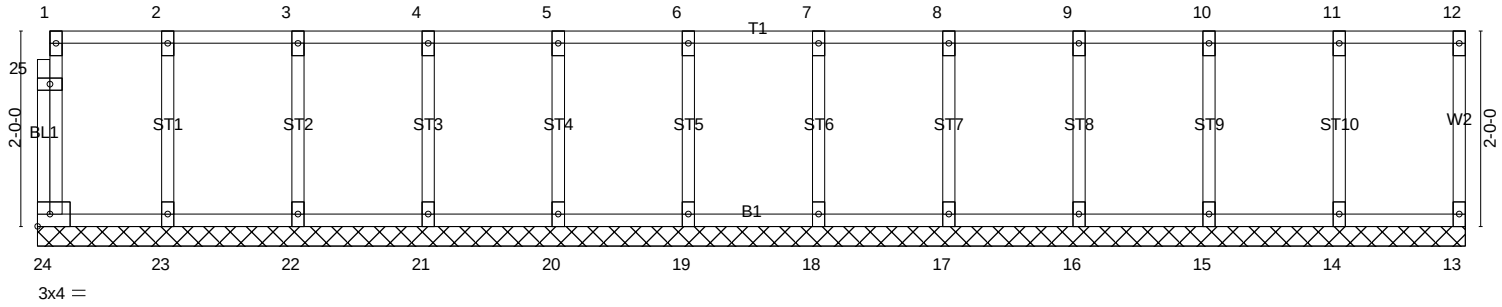


14-7-8
14-7-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 77 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 14-7-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

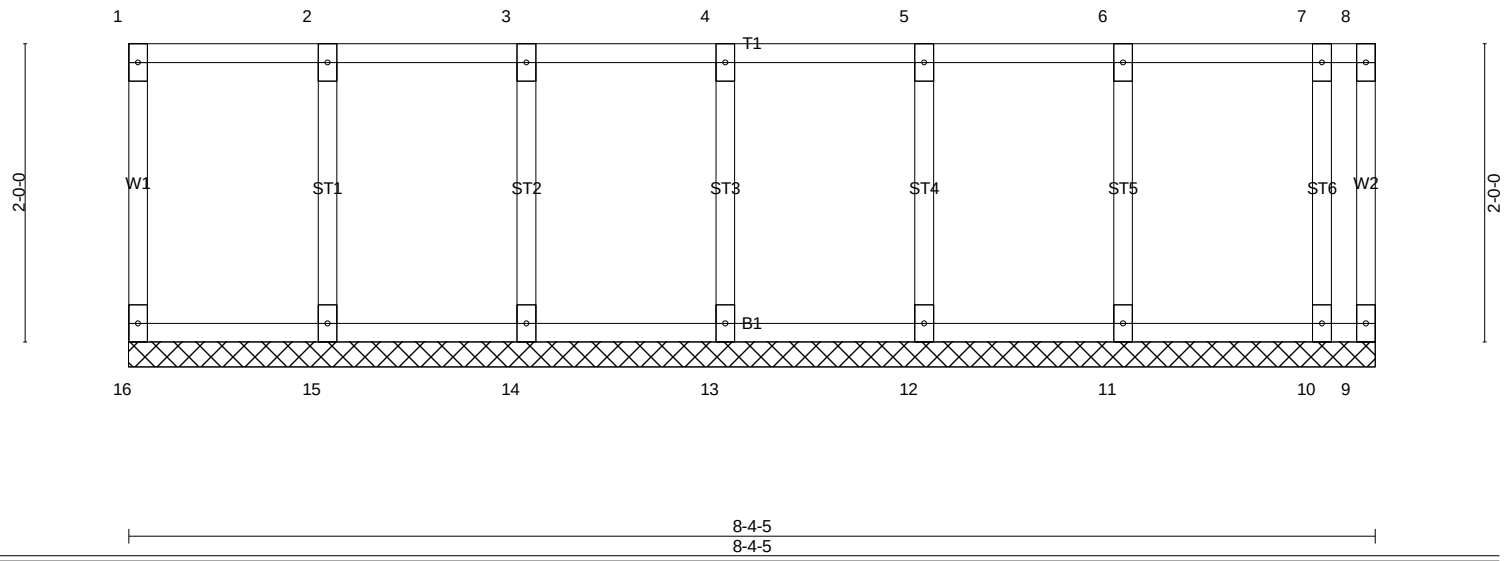
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F08	Floor Supported Gable	1	1	Job Reference (optional)

Scale = 1:15.4



LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 46 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 8-4-5.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 9
Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F09	Floor	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Sep 25 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:02 2021 Page 1
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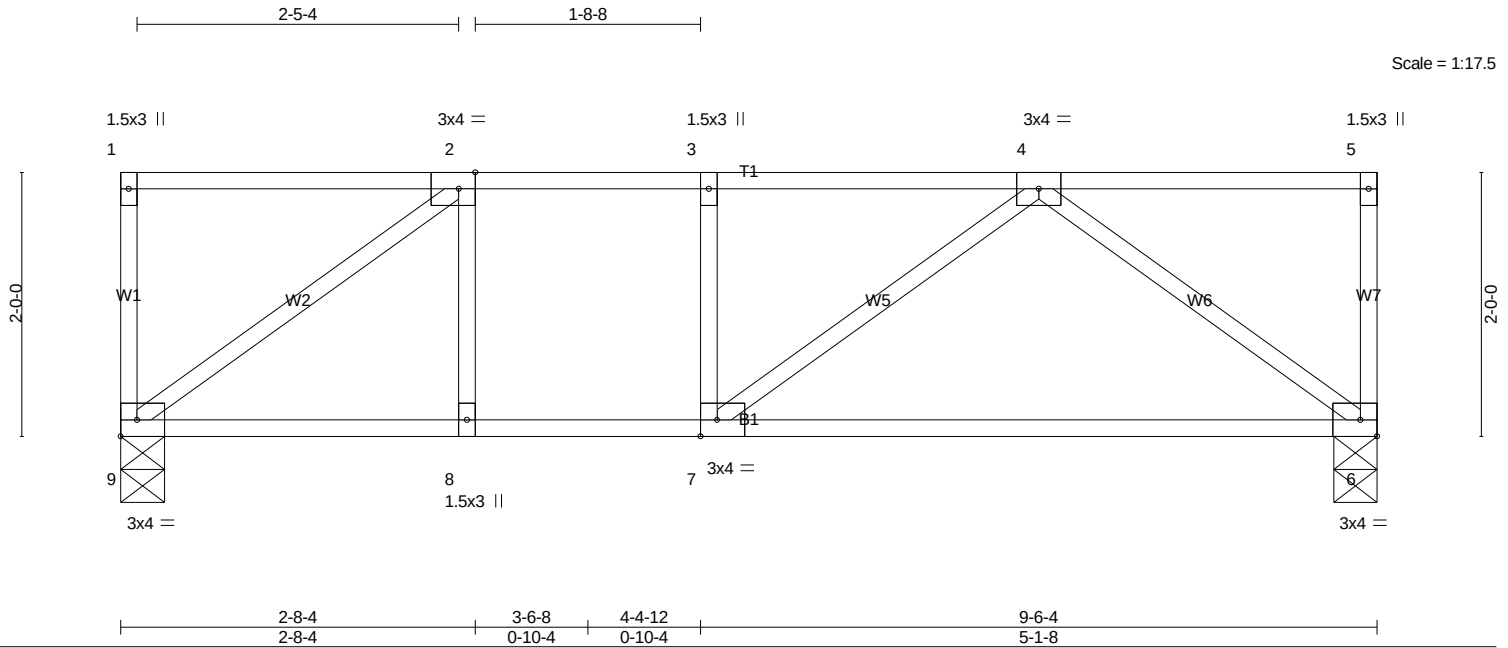

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [7:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.14	6-7	>795	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.23	6-7	>496	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 52 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 6=517/0-3-15 (min. 0-1-8), 9=517/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-611/0, 3-4=-611/0
BOT CHORD 8-9=0/611, 7-8=0/611, 6-7=0/530
WEBS 4-6=-663/0, 2-9=-757/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F10	Floor	4	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Sep 25 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:03 2021 Page 1
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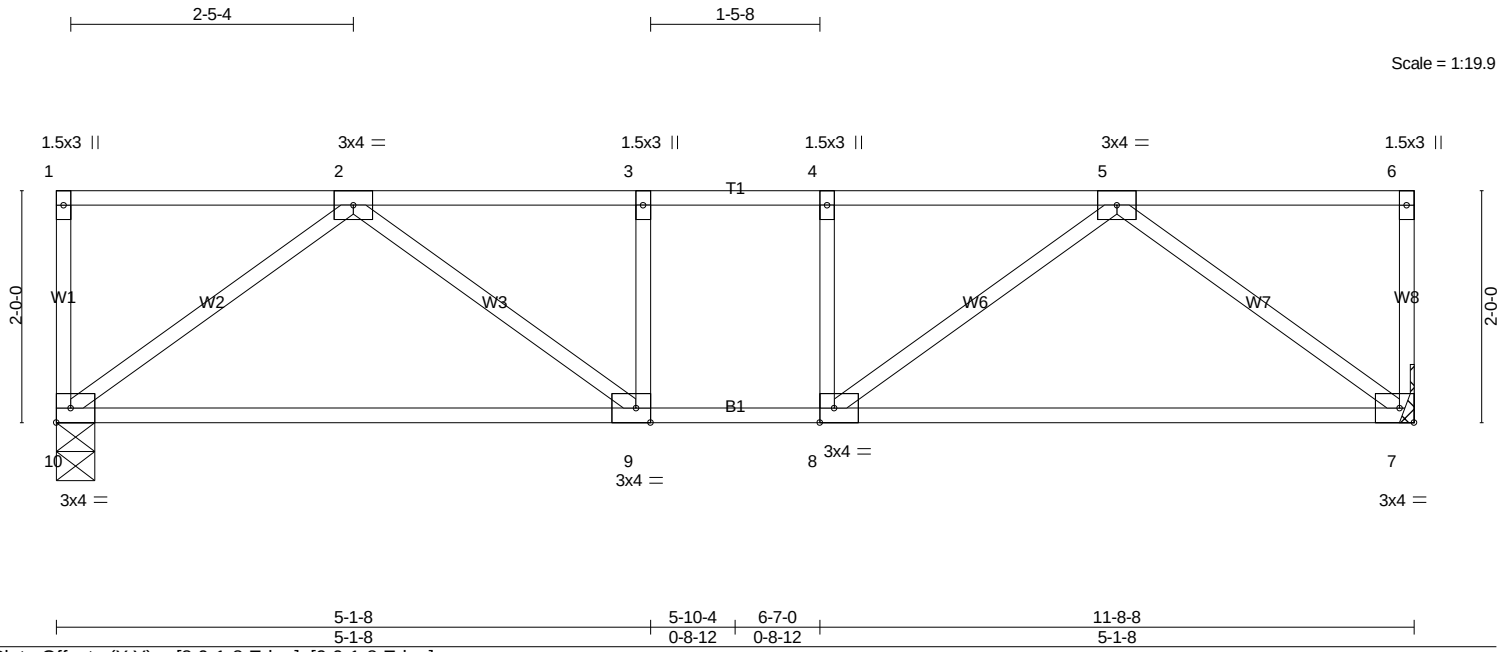

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.09	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.14	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 63 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 7=637/Mechanical, 10=637/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-992/0, 3-4=-992/0, 4-5=-992/0
BOT CHORD 9-10=0/691, 8-9=0/992, 7-8=0/691
WEBS 5-7=-864/0, 2-10=-864/0, 5-8=0/431, 2-9=0/431

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F10S	Floor	4	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Sep 25 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:04 2021 Page 1
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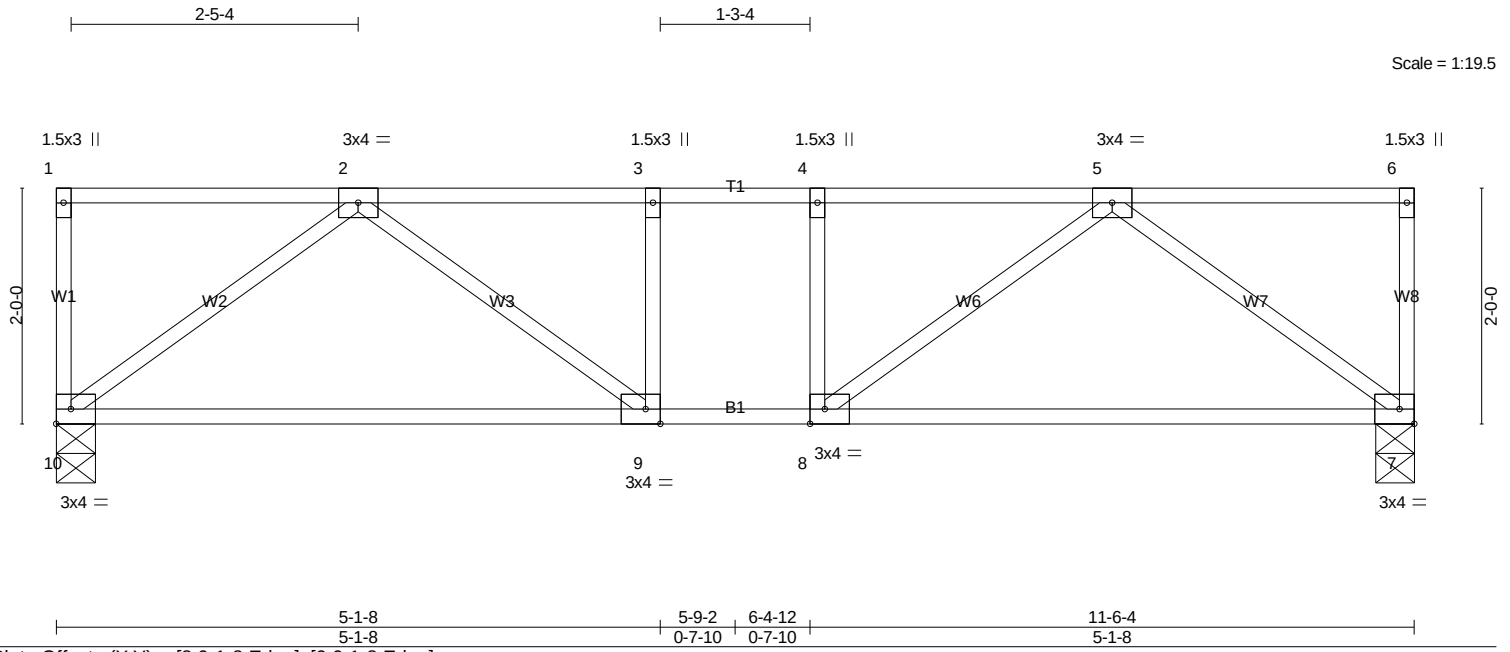

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.08	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.33	Vert(CT)	-0.13	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 63 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 7=627/0-3-15 (min. 0-1-8), 10=627/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-964/0, 3-4=-964/0, 4-5=-964/0
BOT CHORD 9-10=0/678, 8-9=0/964, 7-8=0/678
WEBS 5-7=-847/0, 2-10=-847/0, 5-8=0/409, 2-9=0/409

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F11	Floor	2	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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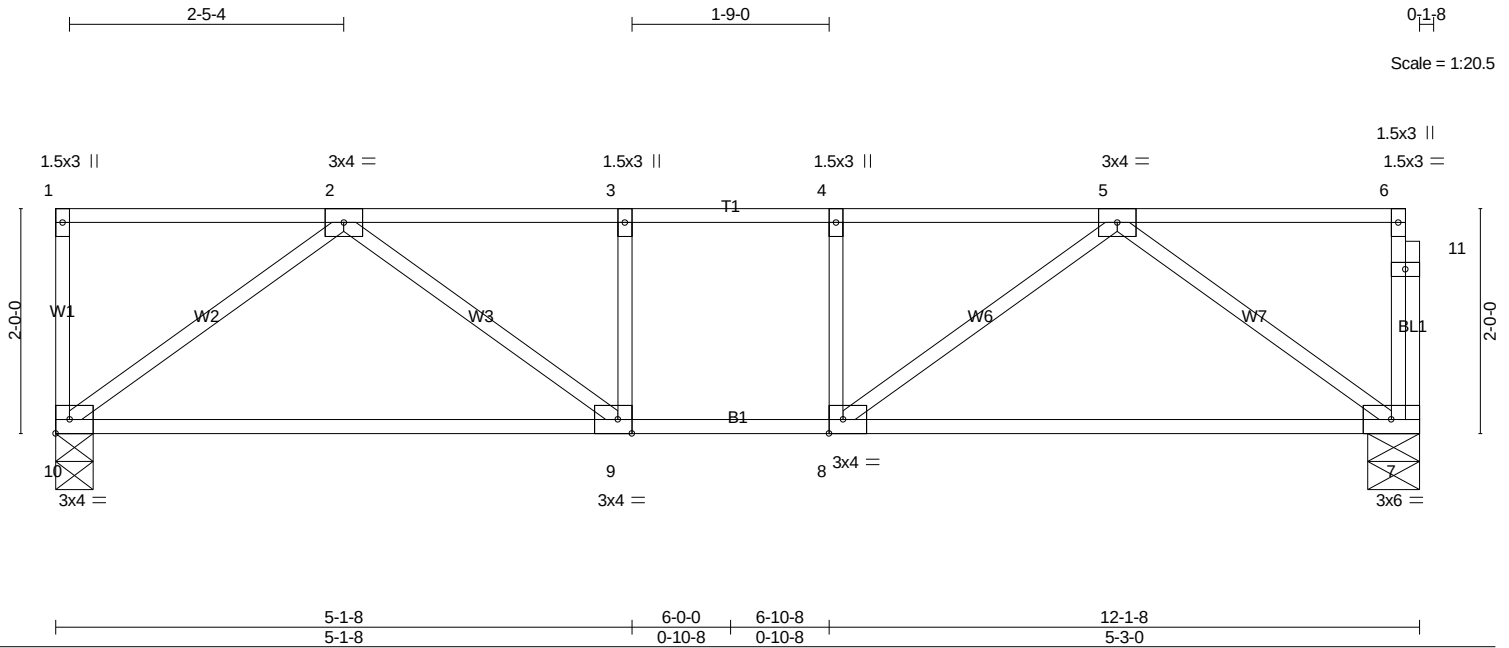

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.11	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.38	Vert(CT)	-0.16	7-8	>878	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 66 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 7=650/0-5-8 (min. 0-1-8), 10=657/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1047/0, 3-4=-1047/0, 4-5=-1047/0
BOT CHORD 9-10=0/716, 8-9=0/1047, 7-8=0/729
WEBS 5-7=-899/0, 2-10=-896/0, 5-8=0/460, 2-9=0/471

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F12	Floor	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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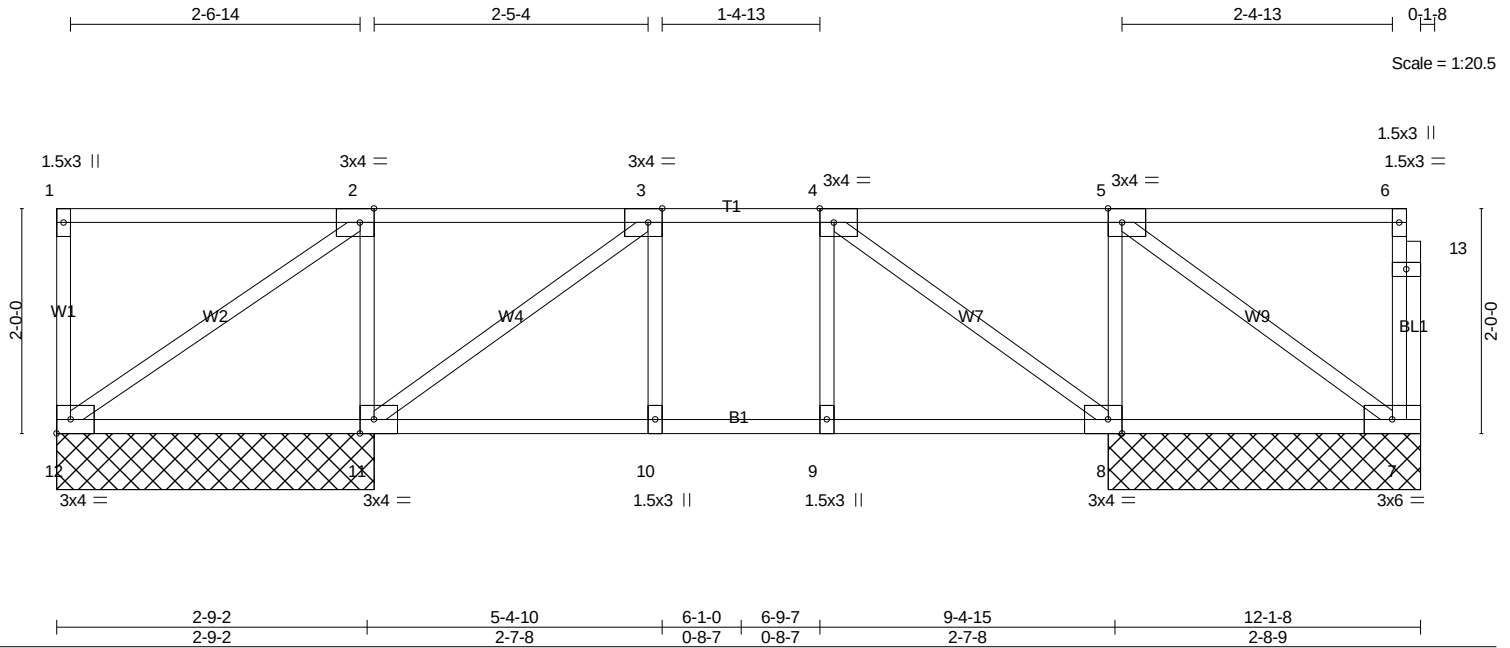


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.01	9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.01	9	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 72 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 2-9-5 except (jt=length) 11=2-9-14, 12=2-9-14.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 7, 12
Max Grav All reactions 250 lb or less at joint(s) 7, 12 except 11=636(LC 11), 8=640(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-11=-387/0, 5-8=-386/0, 4-8=-390/0, 3-11=-388/0

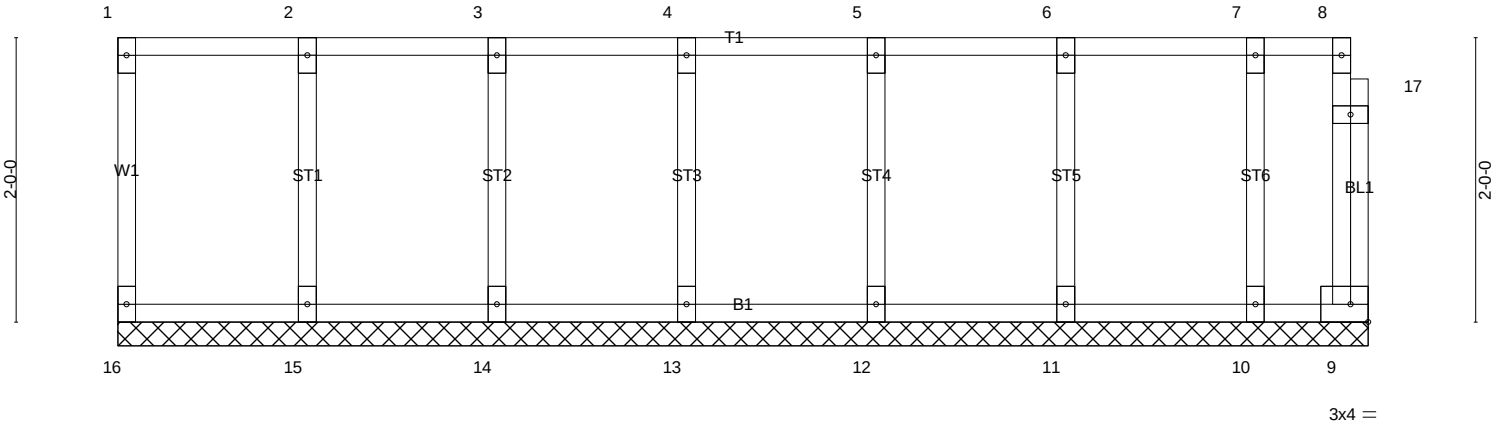
NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 12.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.
Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F13	Floor Supported Gable	1	1	Job Reference (optional)

0-1-8

Scale = 1:16.2



8-9-8
8-9-8

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 49 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 8-9-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Non Standard bearing condition. Review required.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F14	Floor Supported Gable	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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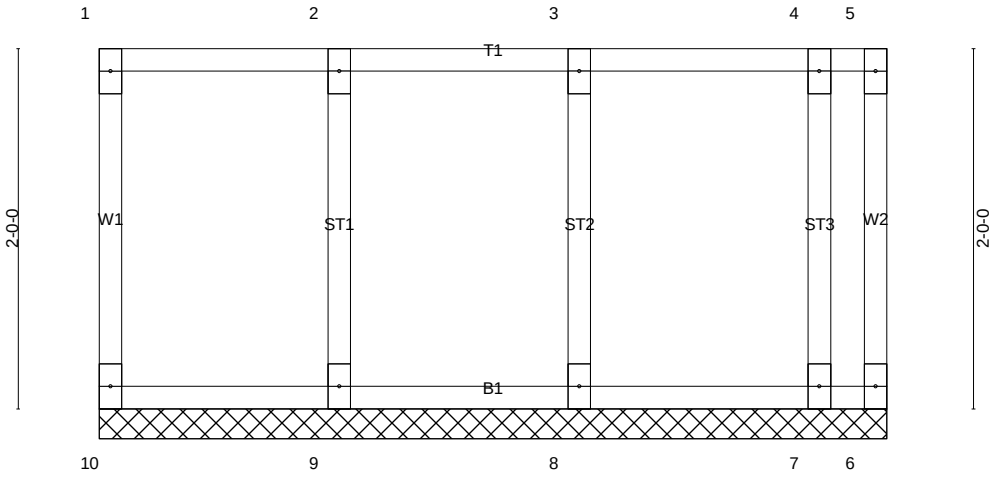

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 26 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 4-4-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 6
Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F15	Floor	6	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Mar 23 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:06 2021 Page 1
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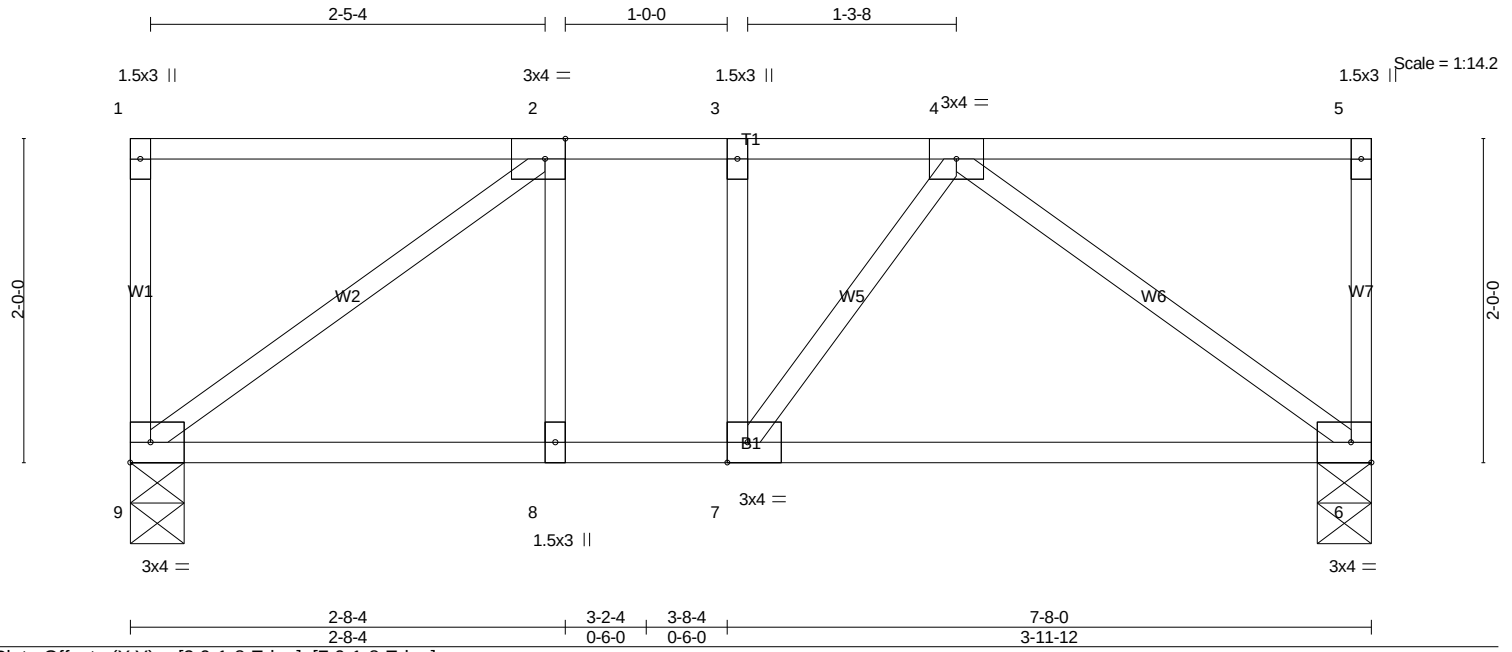

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [7:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.05	6-7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 45 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 6=415/0-4-0 (min. 0-1-8), 9=415/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-412/0, 3-4=-412/0
BOT CHORD 8-9=0/412, 7-8=0/412, 6-7=0/396
WEBS 4-6=-495/0, 2-9=-511/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F16	Floor	2	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Mar 23 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:07 2021 Page 1
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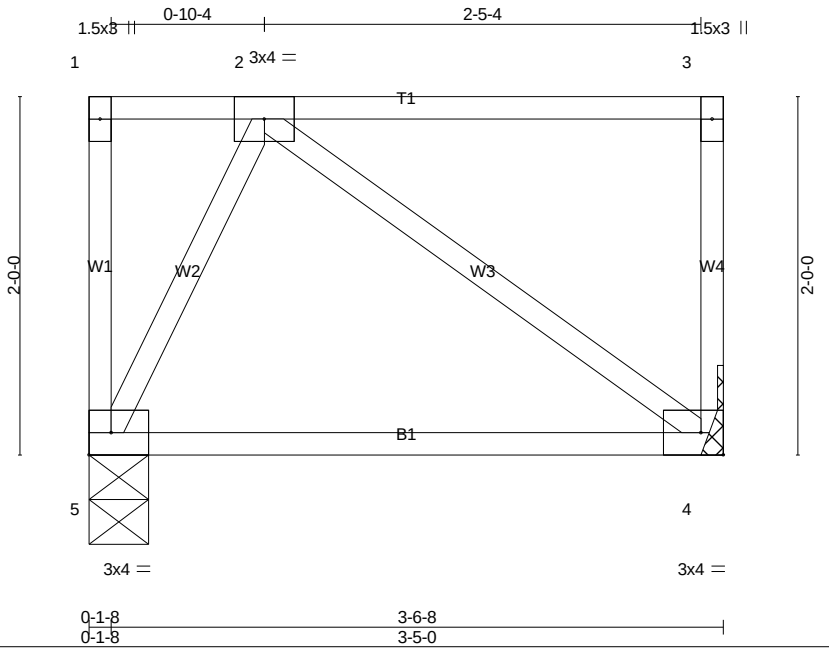

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	0.00	5	****	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-P							Weight: 23 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=188/Mechanical, 5=188/0-4-0 (min. 0-1-8)

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

NOTES-
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F17	Floor	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Mar 23 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:07 2021 Page 1
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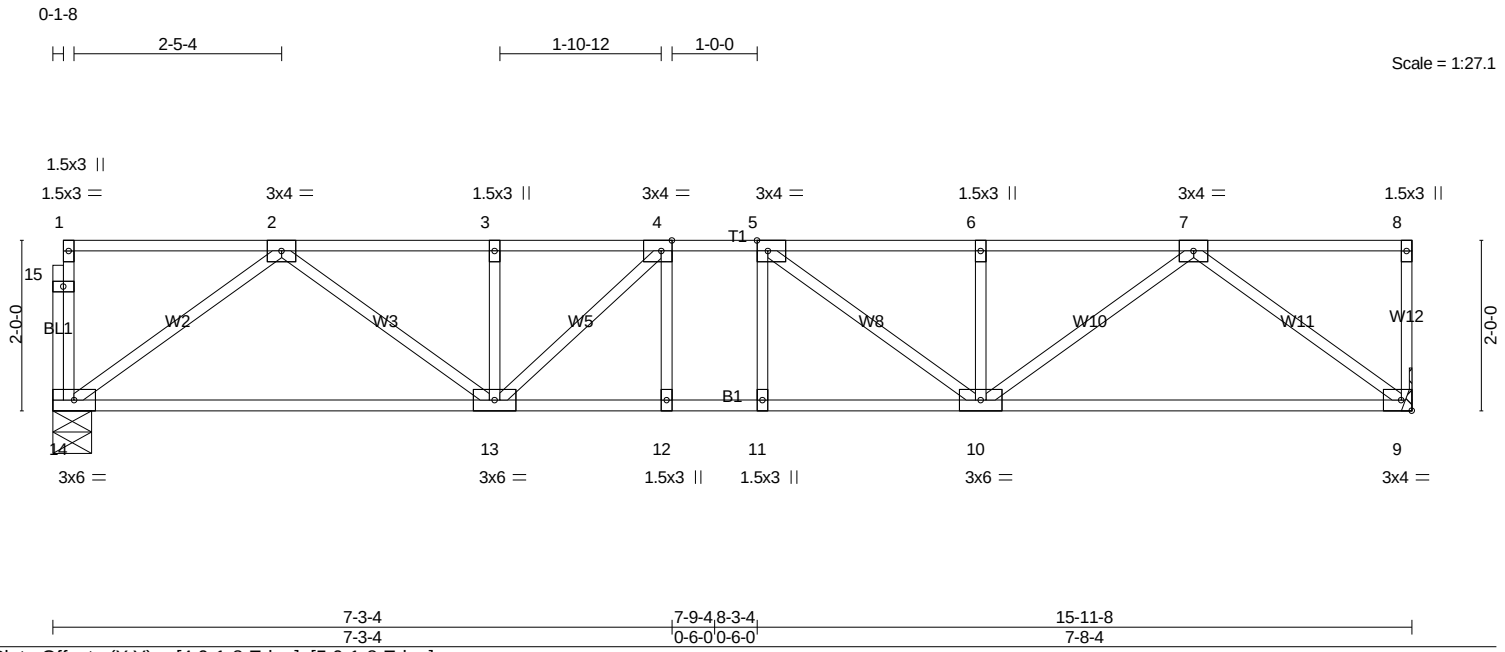

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.08	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.11	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 14=861/0-5-8 (min. 0-1-8), 9=867/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1620/0, 3-4=-1620/0, 4-5=-1825/0, 5-6=-1620/0, 6-7=-1620/0
BOT CHORD 13-14=0/1016, 12-13=0/1825, 11-12=0/1825, 10-11=0/1825, 9-10=0/995
WEBS 7-9=-1244/0, 2-14=-1255/0, 7-10=0/781, 2-13=0/755, 6-10=-284/0, 3-13=-253/0, 5-10=-408/20, 4-13=-434/20

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F18	Floor	7	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Mar 23 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:07 2021 Page 1
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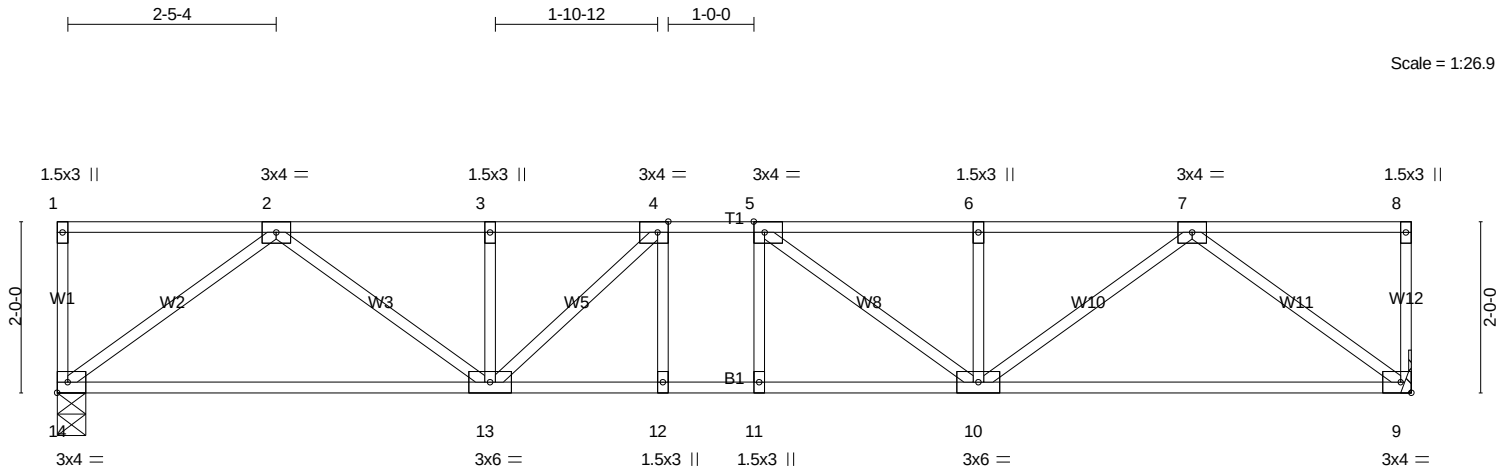

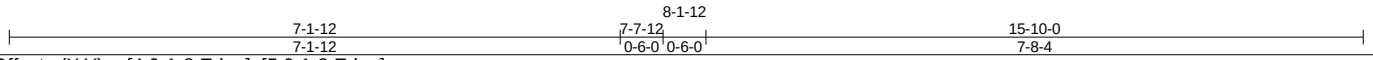

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.08	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.11	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 89 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 9=864/Mechanical, 14=864/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1600/0, 3-4=-1600/0, 4-5=-1810/0, 5-6=-1611/0, 6-7=-1611/0
BOT CHORD 13-14=0/992, 12-13=0/1810, 11-12=0/1810, 10-11=0/1810, 9-10=0/991
WEBS 7-9=-1239/0, 2-14=-1240/0, 7-10=0/776, 2-13=0/759, 6-10=-284/0, 3-13=-252/0, 5-10=-402/24, 4-13=-438/14

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F19	Floor	3	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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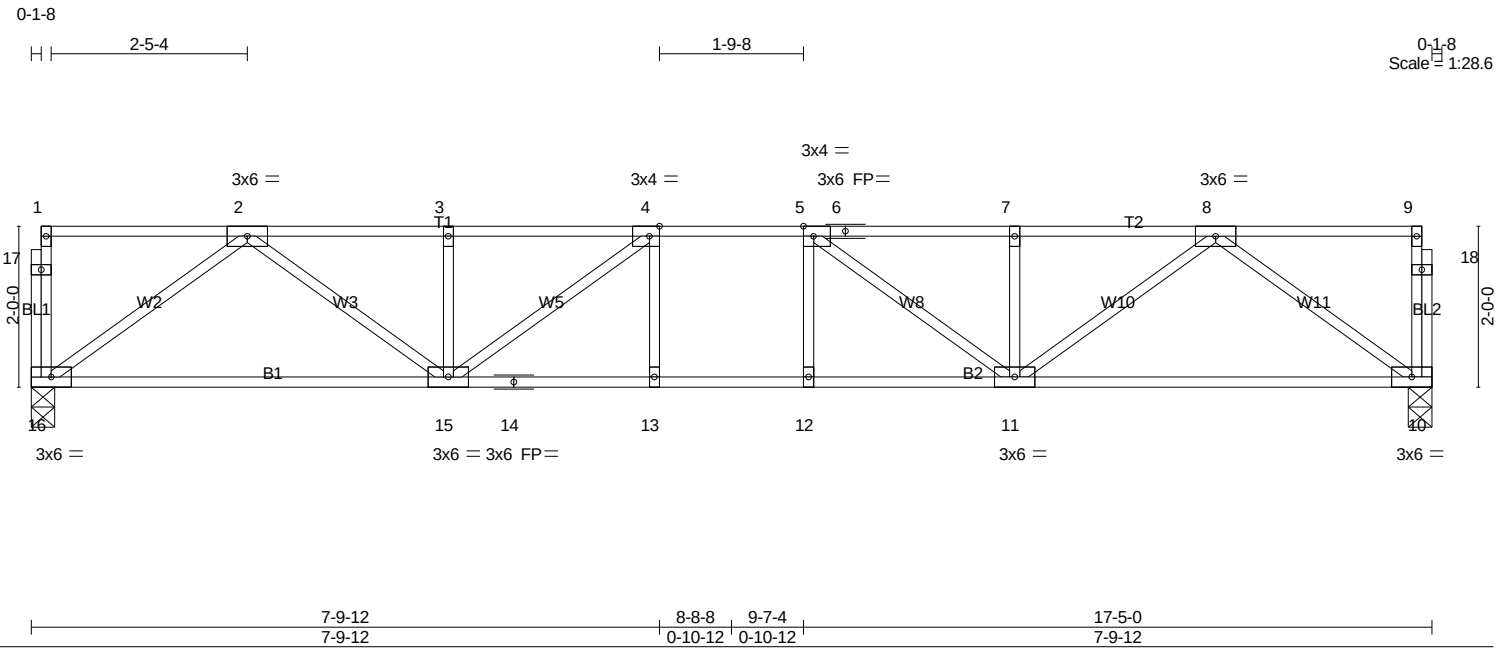

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.15	13-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.18	13-15	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.04	10	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 99 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 16=938/0-3-8 (min. 0-1-8), 10=938/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1835/0, 3-4=-1835/0, 4-5=-2153/0, 5-6=-1835/0, 6-7=-1835/0, 7-8=-1835/0
BOT CHORD 15-16=0/1119, 14-15=0/2153, 13-14=0/2153, 12-13=0/2153, 11-12=0/2153, 10-11=0/1119
WEBS 8-10=-1383/0, 2-16=-1383/0, 8-11=0/894, 2-15=0/894, 7-11=-295/1, 3-15=-295/1, 5-11=-578/0, 4-15=-578/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	F20	Floor Supported Gable	2	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Mar 23 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:08 2021 Page 1
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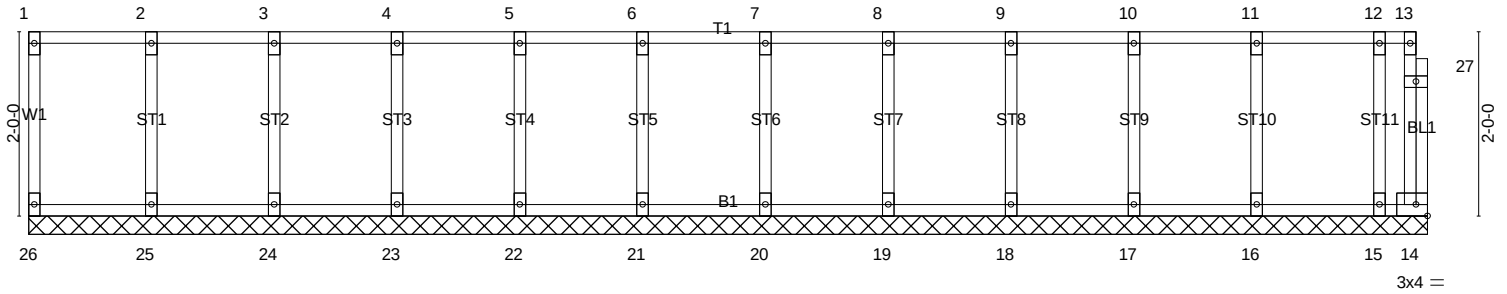

15-2-4
15-2-4

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	14	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 81 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 15-2-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FG01	Flat Girder	1	2	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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4-6-0 | 8-8-8 | 12-11-0 | 17-5-0
4-6-0 | 4-2-8 | 4-2-8 | 4-6-0

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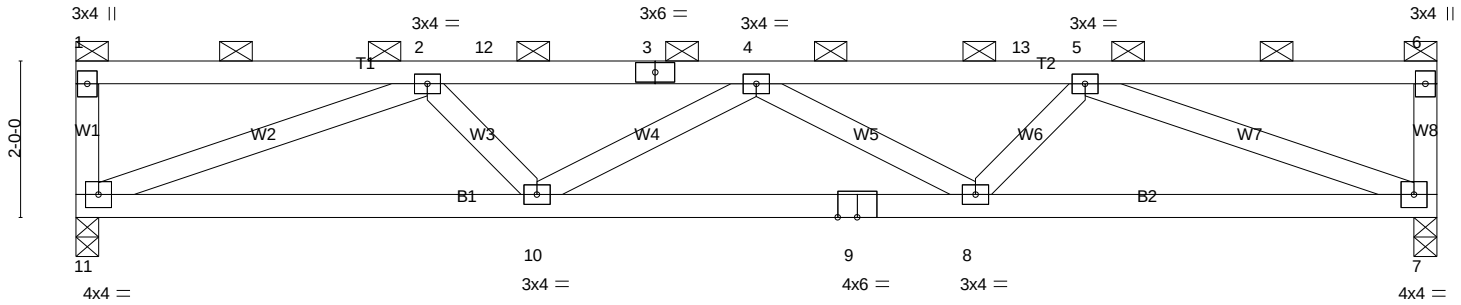

5-10-13 | 11-6-3 | 17-5-0
5-10-13 | 5-7-5 | 5-10-13

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.07	8-10	>999	240	MT20	244/190
TCDL	70.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.20	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 169 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (5-11-13 max.): 1-6, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 11=2055/0-3-8 (min. 0-1-8), 7=2055/0-3-8 (min. 0-1-8)
Max Uplift11=-146(LC 12), 7=-146(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-466/89, 2-12=-4501/565, 3-12=-4501/565, 3-4=-4501/565, 4-13=-4501/565, 5-13=-4501/565, 6-7=-466/89
BOT CHORD 10-11=-553/4049, 9-10=-711/5250, 8-9=-711/5250, 7-8=-553/4049
WEBS 2-11=-4143/574, 2-10=-19/713, 4-10=-877/171, 4-8=-877/171, 5-8=-19/713, 5-7=-4143/574

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: 2x4 - 1 row 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) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 4-11-6, Exterior(2) 4-11-6 to 17-3-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 11 and 146 lb uplift at joint 7.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FG-01	Floor Girder	1	2	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Sep 25 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:21 2021 Page 1
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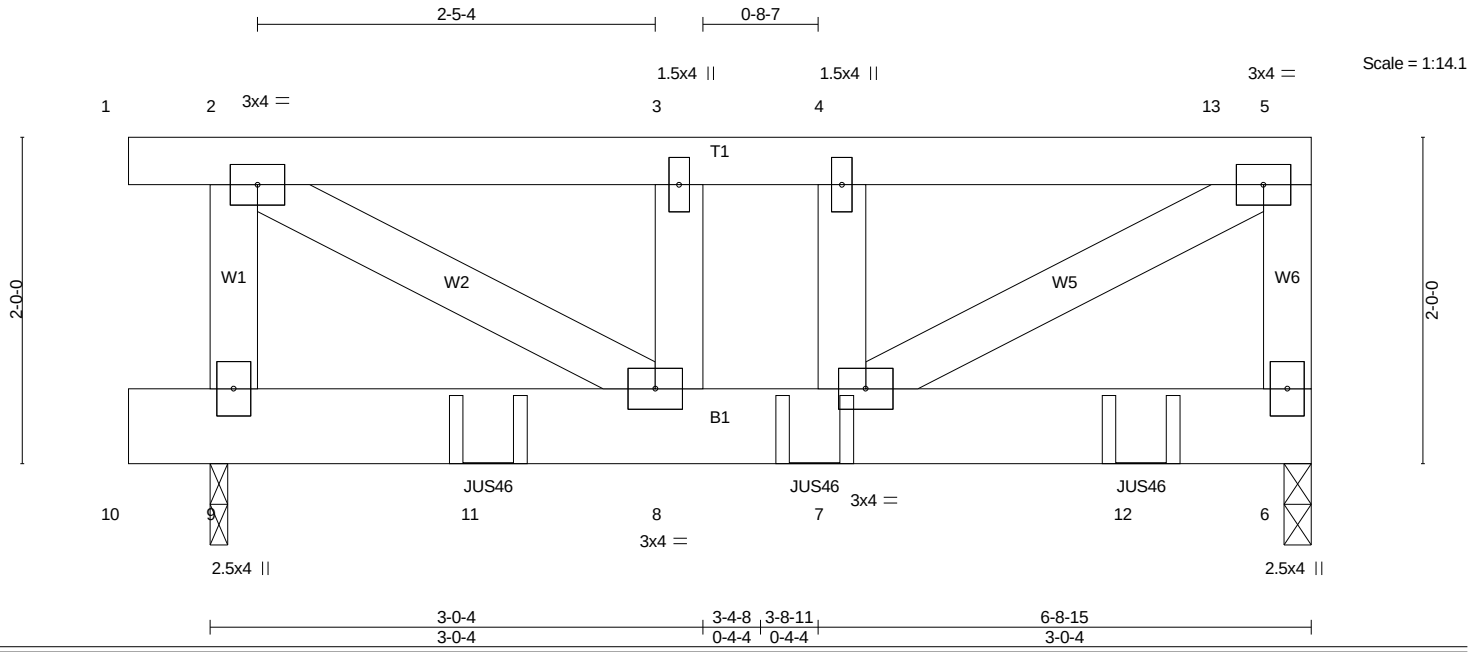

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.01	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.02	7	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 87 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP DSS
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 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=1371/0-2-0 (min. 0-1-8), 9=1257/0-1-5 (min. 0-1-8)
Max Grav 6=1401(LC 4), 9=1257(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-970/0, 5-6=-899/0, 2-3=-1342/0, 3-4=-1342/0, 4-13=-1342/0, 5-13=-1342/0
BOT CHORD 7-8=0/1342
WEBS 2-8=0/1461, 5-7=0/1466

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 floor live loads have been considered for this design.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6, 9.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Use USP JUS46 (With 4-16d nails into Girder & 4-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-8-7 from the left end to 5-8-7 to connect truss(es) F10 (1 ply 2x4 SP) to front face of bottom chord.
7) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-10, 1-2=-100, 2-13=-100
Concentrated Loads (lb)
Vert: 7=-627(F) 11=-627(F) 12=-628(F)

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FG02	FLAT GIRDER	1	2	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Mar 23 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:24 2021 Page 1
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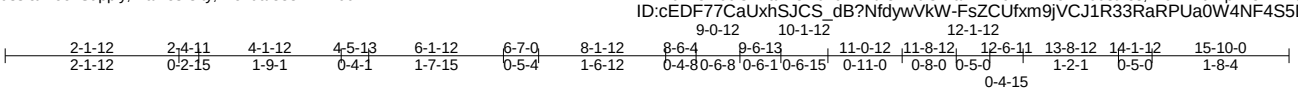

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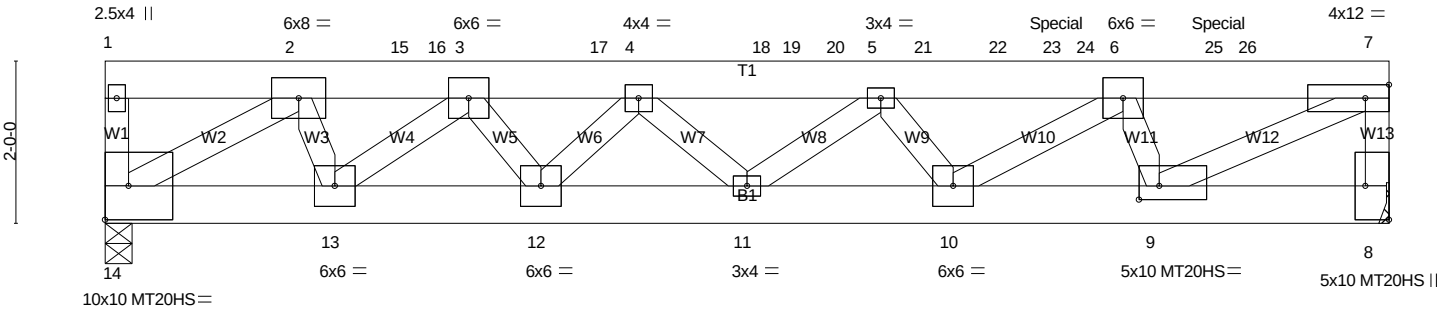


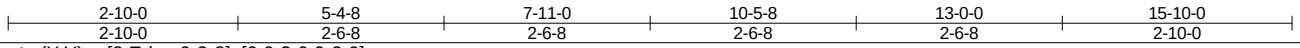


Plate Offsets (X,Y)-- [8:Edge,0-3-8], [9:0-3-0,0-2-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	0.17	11	>999	240	MT20	244/190
TCDL	70.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.28	11	>671	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 214 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP DSS
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
W2,W3,W10,W11,W12: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-6 oc bracing.

REACTIONS. (lb/size) 14=5359/0-4-0 (min. 0-2-11), 8=5465/Mechanical
Max Uplift14=-1646(LC 4), 8=-1754(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-379/80, 2-15=-8348/2671, 15-16=-8348/2671, 3-16=-8348/2671, 3-17=-14686/4838, 4-17=-14686/4838, 4-18=-16473/5449, 18-19=-16473/5449, 19-20=-16473/5449, 5-20=-16473/5449, 5-21=-13746/4506, 21-22=-13746/4506, 22-23=-13746/4506, 23-24=-13746/4506, 6-24=-13746/4506, 6-25=-8116/2659, 25-26=-8116/2659, 7-26=-8116/2659, 7-8=-5185/1683
BOT CHORD 13-14=-2284/7166, 12-13=-4164/12752, 11-12=-5797/17324, 10-11=-5083/15454, 9-10=-3124/9488, 8-9=-91/276
WEBS 2-14=-8476/2705, 2-13=-1401/4262, 3-13=-6025/2044, 3-12=-1449/3868, 4-12=-4279/1695, 4-11=-1299/533, 5-11=-501/1394, 5-10=-3416/1155, 6-10=-1716/5286, 6-9=-4945/1679, 7-9=-2961/9038

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, 2x6 - 2 rows staggered at 0-7-0 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) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=83ft; L=65ft; eave=9ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates 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.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1646 lb uplift at joint 14 and 1754 lb uplift at joint 8.

Continued on page 2

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 307 lb down and 316 lb up at 2-1-12, 305 lb down and 308 lb up at 4-1-12, 304 lb down and 300 lb up at 6-1-12, 3405 lb down and 1557 lb up at 6-7-0, 422 lb down and 336 lb up at 8-1-12, 481 lb down and 314 lb up at 8-6-4, 481 lb down and 314 lb up at 9-0-12, 436 lb down and 336 lb up at 10-1-12, 53 lb down and 26 lb up at 11-0-12, 513 lb down and 364 lb up at 11-8-12, 451 lb down and 335 lb up at 12-1-12, and 513 lb down and 364 lb up at 13-8-12, and 465 lb down and 334 lb up at 14-1-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

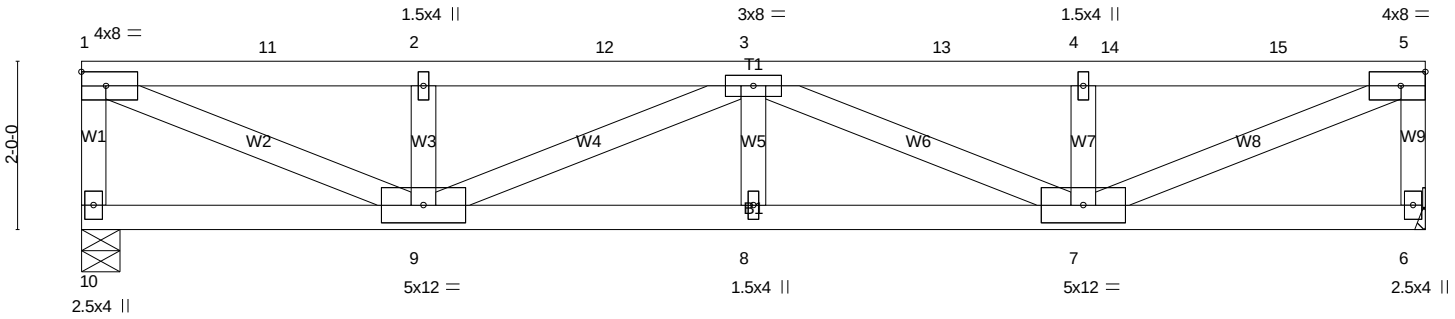
LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-7=-220, 8-14=-20
   Concentrated Loads (lb)
      Vert: 2=-279 4=-3405 16=-279 17=-279 18=-279 19=-445 20=-445 21=-279 23=-423(B) 24=-279 25=-423(B) 26=-279

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FG03	Flat Girder	1	2	Job Reference (optional)

2-3-4	4-0-12	4-3-4	6-3-4	7-11-12	8-3-4	10-3-4	11-10-12	12-3-4	14-3-4	15-11-8
2-3-4	1-9-8	0-2-8	2-0-0	1-8-8	0-3-8	2-0-0	1-7-8	0-4-8	2-0-0	1-8-4

Scale = 1:27.4



4-0-12	7-11-12	11-10-12	15-11-8
4-0-12	3-11-0	3-11-0	4-0-12

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.09	8	>999	240	MT20	244/190
TCDL	70.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.22	8	>861	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 162 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
W2,W4,W6,W8: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=2828/0-5-8 (min. 0-1-11), 6=2883/Mechanical
Max Uplift10=-384(LC 4), 6=-352(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-2751/397, 1-11=-5307/742, 2-11=-5307/742, 2-12=-5307/742, 3-12=-5307/742, 3-13=-5298/663, 4-13=-5298/663, 4-14=-5298/663, 14-15=-5298/663, 5-15=-5298/663, 5-6=-2805/367
BOT CHORD 8-9=-921/6962, 7-8=-921/6962
WEBS 1-9=-786/5614, 2-9=-1490/296, 3-9=-1805/195, 3-7=-1816/281, 4-7=-1477/226, 5-7=-701/5592

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: 2x4 - 1 row 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) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=22ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 384 lb uplift at joint 10 and 352 lb uplift at joint 6.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 343 lb down and 243 lb up at 2-3-4, 336 lb down and 251 lb up at 4-3-4, 296 lb down and 257 lb up at 6-3-4, 387 lb down and 221 lb up at 8-3-4, 394 lb down and 220 lb up at 10-3-4, and 402 lb down and 220 lb up at 12-3-4, and 409 lb down and 219 lb up at 14-3-4 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=1.00, Plate Increase=1.00

Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-5=-220, 6-10=-20

Concentrated Loads (lb)

Vert: 2=-279 3=-279 11=-279 12=-279 13=-279 14=-279 15=-279

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FG04	Floor Girder	1	2	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Mar 22 2021 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:27 2021 Page 1
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1-2-5

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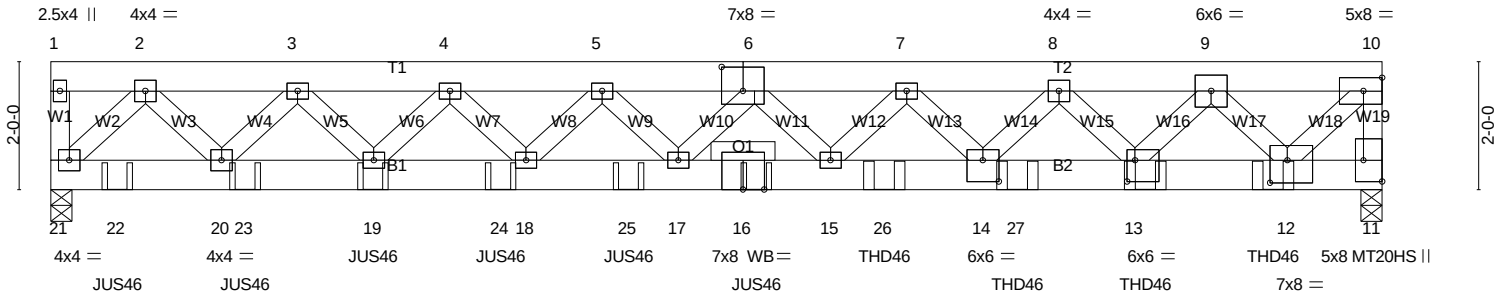

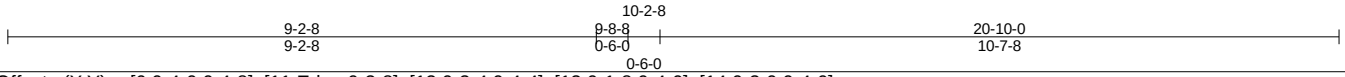

Plate Offsets (X,Y)-- [6:0-4-0,0-4-8], [11:Edge,0-3-8], [12:0-3-4,0-4-4], [13:0-1-8,0-4-0], [14:0-3-0,0-4-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.72	Vert(LL)	-0.25	15	>981	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.29	15	>842	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 286 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP DSS
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
W16,W18: 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 11=5659/0-4-0 (min. 0-2-14), 21=2254/0-4-0 (min. 0-1-8)
Max Uplift21=-768(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-5231/0, 2-3=-3171/1505, 3-4=-5443/3364, 4-5=-7678/4094, 5-6=-9902/3535, 6-7=-12385/1393, 7-8=-13074/0, 8-9=-10413/0, 9-10=-4485/0
BOT CHORD 21-22=-727/1764, 20-22=-727/1764, 20-23=-2340/4401, 19-23=-2340/4401, 19-24=-3629/6652, 18-24=-3629/6652, 18-25=-3712/8888, 17-25=-3712/8888, 16-17=-2364/11241, 15-16=-2364/11241, 15-26=-349/12798, 14-26=-349/12798, 14-27=0/11828, 13-27=0/11828, 12-13=0/7503
WEBS 2-21=-2590/1075, 2-20=-1272/2301, 3-20=-2013/1366, 3-19=-1676/1703, 4-19=-1977/433, 4-18=-760/1678, 5-18=-1980/0, 5-17=0/1658, 6-17=-2190/0, 6-15=0/1871, 7-15=-1706/0, 7-14=0/1440, 8-14=-665/2037, 8-13=-2314/394, 9-13=0/4760, 9-12=-4937/0, 10-12=0/6574

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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 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 floor live loads have been considered for this design.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x4 MT20 unless otherwise indicated.
6) The Fabrication Tolerance at joint 16 = 20%
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 768 lb uplift at joint 21.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
9) Use USP JUS46 (With 4-16d nails into Girder & 4-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-0-8 from the left end to 11-0-8 to connect truss(es) F16 (1 ply 2x4 SP), F01 (1 ply 2x4 SP) to back face of bottom chord.
10) Use USP THD46 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent spaced at 2-1-0 oc max. starting at 13-0-8 from the left end to 19-1-8 to connect truss(es) F02 (1 ply 2x4 SP) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

Continued on page 2
LOAD CASE(S) Standard

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 11-21=-10, 1-10=-100
   Concentrated Loads (lb)
      Vert: 16=238(B) 19=238(B) 13=-1562(B) 12=-1562(B) 22=-178(B) 23=-178(B) 24=238(B) 25=238(B) 26=-1562(B) 27=-1562(B)

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FG04X	Floor Girder	1	2	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Mar 22 2021 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:28 2021 Page 1
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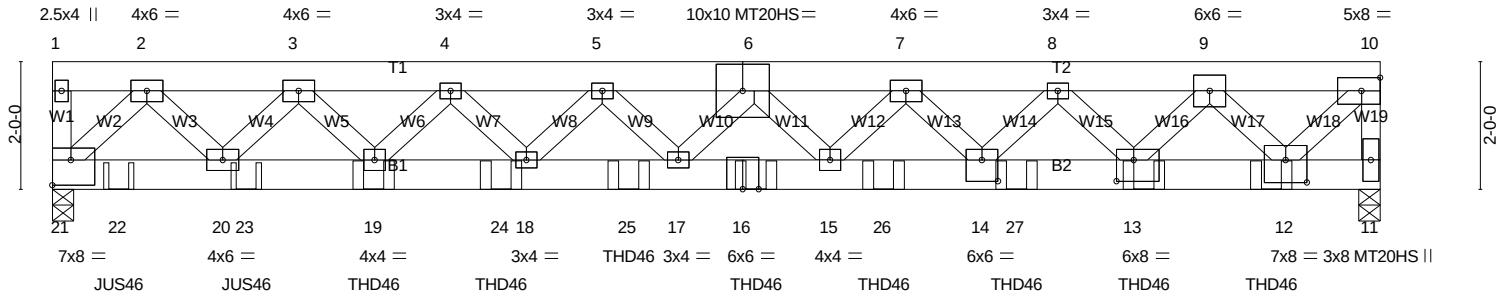
1-2-5

Scale = 1:36.2



20-10-0
20-10-0

Plate Offsets (X,Y)-- [12:0-4-0,0-4-4], [13:0-3-4,0-4-0], [14:0-3-0,0-4-0], [21:Edge,0-4-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.25	15	>981	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.25	14-15	>983	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 283 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP DSS
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
W16,W18: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-1-11 oc bracing.

REACTIONS. (lb/size) 11=5348/0-4-0 (min. 0-2-11), 21=1750/0-4-0 (min. 0-1-8)
Max Uplift11=-188(LC 3), 21=-2675(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-4938/204, 2-3=-2372/4531, 3-4=-3893/9240, 4-5=-5706/11568, 5-6=-7871/11231, 6-7=-10710/7741, 7-8=-11881/3988, 8-9=-9680/1599, 9-10=-4228/273
BOT CHORD 21-22=-2342/1338, 20-22=-2342/1338, 20-23=-6790/3227, 19-23=-6790/3227, 19-24=-10295/4893, 18-24=-10295/4893, 18-25=-11288/6889, 17-25=-11288/6889, 16-17=-9379/9390, 15-16=-9379/9390, 15-26=-5785/11363, 14-26=-5785/11363, 14-27=-2715/10864, 13-27=-2715/10864, 12-13=-834/7010
WEBS 2-21=-1961/3457, 2-20=-3581/1692, 3-20=-1398/3695, 3-19=-4006/1088, 4-19=-1636/1726, 4-18=-2081/1330, 5-18=-1936/0, 5-17=0/1606, 6-17=-3029/0, 6-15=0/2680, 7-15=-3198/0, 7-14=0/2939, 8-14=-2082/1663, 8-13=-1936/1827, 9-13=-1250/4367, 9-12=-4550/918, 10-12=-410/6198

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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 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 floor live loads have been considered for this design.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 16 = 20%
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 11 and 2675 lb uplift at joint 21.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) Use USP JUS46 (With 4-16d nails into Girder & 4-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-0-8 from the left end to 3-0-8 to connect truss(es) F16 (1 ply 2x4 SP) to back face of bottom chord.
9) Use USP THD46 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent spaced at 2-1-0 oc max. starting at 5-0-8 from the left end to 19-1-8 to connect truss(es) F01 (1 ply 2x4 SP), F02 (1 ply 2x4 SP) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-21=-10, 1-10=-100

Concentrated Loads (lb)

Vert: 16=442(B) 19=442(B) 13=-1562(B) 12=-1562(B) 22=-178(B) 23=-178(B) 24=442(B) 25=442(B) 26=-1562(B) 27=-1562(B)

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FT01	HALF HIP	7	1	Job Reference (optional)

-2-0-0	1-8-15	4-8-2	7-7-6	10-6-9	13-5-12	17-4-11	21-3-10	25-6-0
2-0-0	1-8-15	2-11-3	2-11-3	2-11-3	2-11-3	3-10-15	3-10-15	4-2-6

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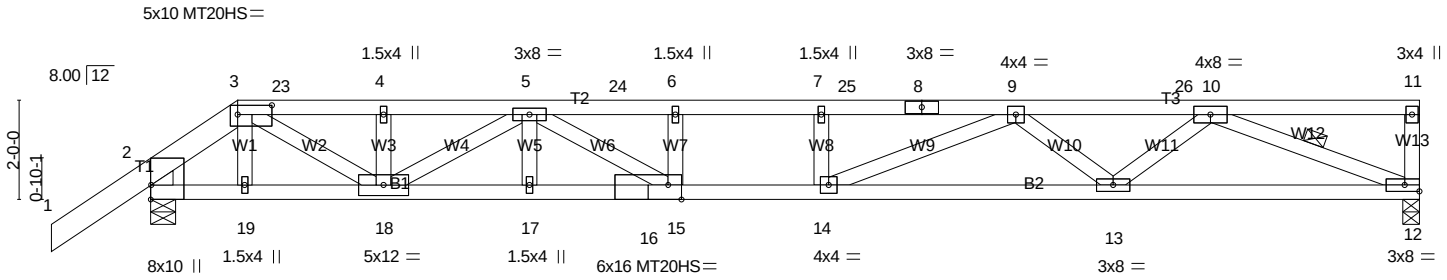


1-8-15	4-8-2	7-7-6	10-6-9	13-5-12	19-4-2	25-6-0
1-8-15	2-11-3	2-11-3	2-11-3	2-11-3	5-10-6	6-1-14

Plate Offsets (X,Y)-- [2:Edge,0-0-2], [3:0-8-4,0-2-4], [16:0-3-3,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.58	14-15	>524	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.79	14-15	>383	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.15	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 130 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
T1: 2x6 SP DSS
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 10-12

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

REACTIONS. (lb/size) 12=1648/0-4-0 (min. 0-1-8), 2=3551/0-6-0 (min. 0-2-15)
Max Horz 2=137(LC 12)
Max Uplift12=-214(LC 12), 2=-320(LC 12)
Max Grav 12=1650(LC 22), 2=3551(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4356/491, 3-23=-4944/890, 4-23=-4944/890, 4-5=-4944/890, 5-24=-6536/1455, 6-24=-6536/1455, 6-7=-6536/1455, 7-25=-6536/1455, 8-25=-6536/1455, 8-9=-6536/1455, 9-26=-4473/1021, 10-26=-4473/1021
BOT CHORD 2-19=-383/3190, 18-19=-379/3173, 17-18=-1241/6075, 16-17=-1241/6075, 15-16=-1241/6075, 14-15=-1455/6536, 13-14=-1305/5475, 12-13=-829/3348
WEBS 3-18=-603/2061, 4-18=-306/132, 5-18=-1309/410, 5-15=-259/539, 6-15=-257/140, 7-14=-350/134, 9-14=-164/1158, 9-13=-1331/377, 10-13=-255/1494, 10-12=-3507/879

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=11ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 1-8-15, Exterior(2) 1-8-15 to 25-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 214 lb uplift at joint 12 and 320 lb uplift at joint 2.
8) Load case(s) 1, 2, 16, 17, 18, 19, 20, 21, 22, 23, 24 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

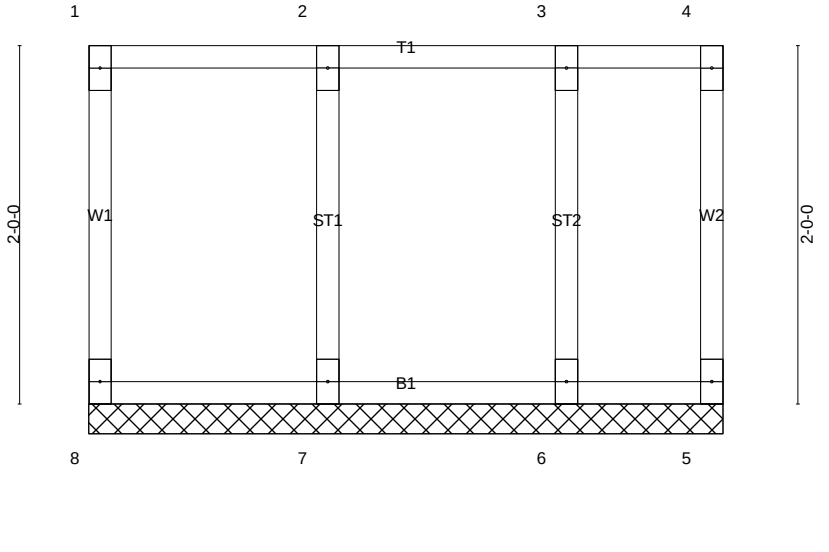
LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-100, 3-11=-100, 12-20=-20
   Concentrated Loads (lb)
      Vert: 3=-1957
2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-80, 3-11=-80, 12-20=-20
   Concentrated Loads (lb)
      Vert: 3=-2096
16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
   Uniform Loads (plf)
      Vert: 1-3=-20, 3-11=-20, 12-20=-20
   Concentrated Loads (lb)
      Vert: 3=-837
17) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=-90, 2-3=-96, 3-11=-81, 12-20=-20
      Horz: 1-2=10, 2-3=16
   Concentrated Loads (lb)
      Vert: 3=-2096
18) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=-63, 2-3=-69, 3-11=-81, 12-20=-20
      Horz: 1-2=-17, 2-3=-11
   Concentrated Loads (lb)
      Vert: 3=-2096
19) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=-75, 2-3=-81, 3-11=-81, 12-20=-20
      Horz: 1-2=-5, 2-3=1
   Concentrated Loads (lb)
      Vert: 3=-2096
20) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=-75, 2-3=-81, 3-11=-81, 12-20=-20
      Horz: 1-2=-5, 2-3=1
   Concentrated Loads (lb)
      Vert: 3=-2096
21) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-100, 3-11=-100, 12-20=-20
   Concentrated Loads (lb)
      Vert: 3=-1957
22) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-20, 3-11=-100, 12-20=-20
   Concentrated Loads (lb)
      Vert: 3=-1957
23) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-80, 3-11=-80, 12-20=-20
   Concentrated Loads (lb)
      Vert: 3=-2096
24) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-20, 3-11=-80, 12-20=-20
   Concentrated Loads (lb)
      Vert: 3=-2096

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FT-01	Floor Supported Gable	1	1	Job Reference (optional)



LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 21 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-6-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FT02	HALF HIP	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Mar 23 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:32 2021 Page 1

ID:cEDF77CaUxhSJCS_dB?NfdywVkW-0O2EAO1oHAV3GG2cX7kJkAwWlIAhy46P9F1cqYzQSSn

-2-0-0	1-8-15	4-8-2	7-7-6	10-6-9	13-5-12	17-4-11	21-3-10	25-6-0
2-0-0	1-8-15	2-11-3	2-11-3	2-11-3	2-11-3	3-10-15	3-10-15	4-2-6

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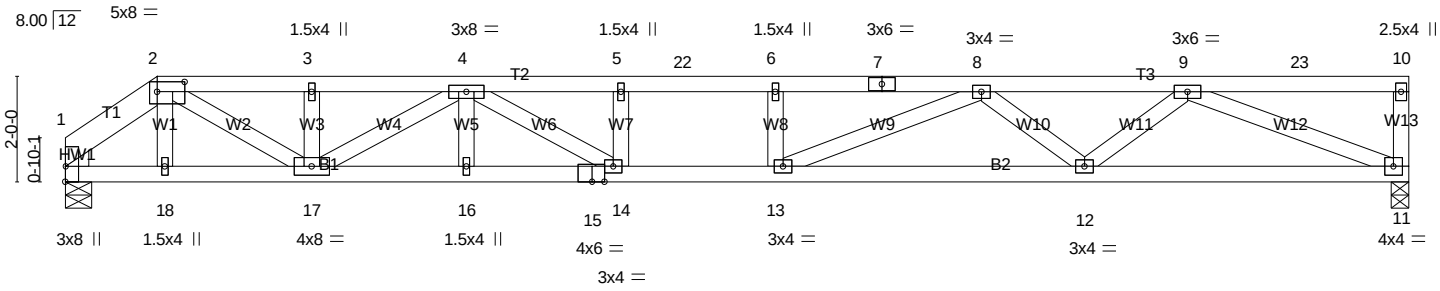

1-8-15	4-8-2	7-7-6	10-6-9	13-5-12	19-4-2	25-6-0
1-8-15	2-11-3	2-11-3	2-11-3	2-11-3	5-10-6	6-1-14

Plate Offsets (X,Y)-- [1:Edge,0-0-2], [2:0-6-4,0-2-4], [15:0-2-13,0-0-0]

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	0.28	Vert(LL)	0.26	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.51	12-13	>599	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 125 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
T1: 2x6 SP DSS
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 11=1014/0-4-0 (min. 0-1-8), 1=1014/0-6-0 (min. 0-1-8)
Max Horz 1=53(LC 12)
Max Uplift11=-218(LC 12), 1=-214(LC 12)
Max Grav 11=1014(LC 21), 1=1014(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1338/530, 2-3=-2274/928, 3-4=-2274/928, 4-5=-3708/1480, 5-22=-3708/1480, 6-22=-3708/1480, 6-7=-3708/1480, 7-8=-3708/1480, 8-9=-2711/1031
BOT CHORD 1-18=-426/983, 17-18=-423/983, 16-17=-1271/3147, 15-16=-1271/3147, 14-15=-1271/3147, 13-14=-1480/3708, 12-13=-1319/3250, 11-12=-836/2024
WEBS 2-17=-585/1499, 4-17=-1014/397, 4-14=-241/658, 8-13=-175/500, 8-12=-716/382, 9-12=-260/913, 9-11=-2115/888

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 1-8-15, Exterior(2) 1-8-15 to 25-4-4 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 218 lb uplift at joint 11 and 214 lb uplift at joint 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	FT-02	Floor Supported Gable	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Sep 25 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:33 2021 Page 1
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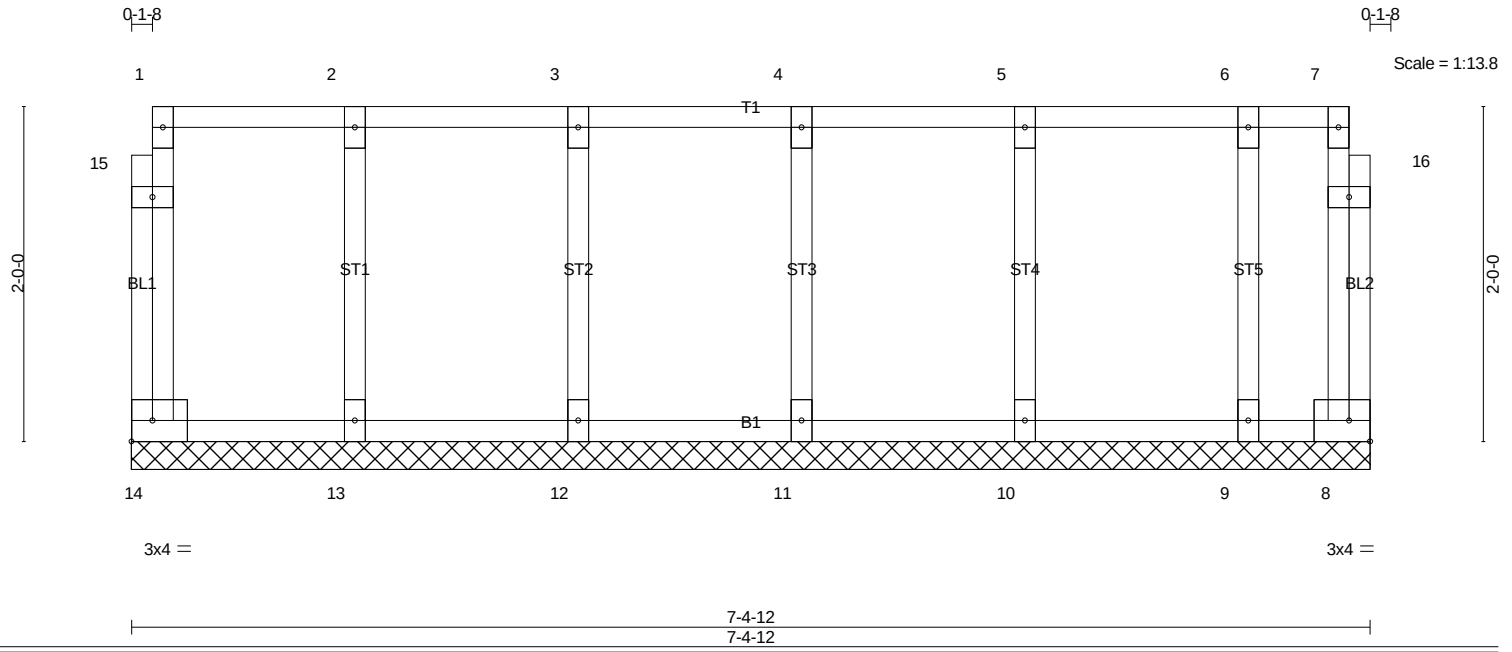

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 45 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 7-4-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	K01	ATTIC	1	3	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Feb 10 2021 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:37 2021 Page 1

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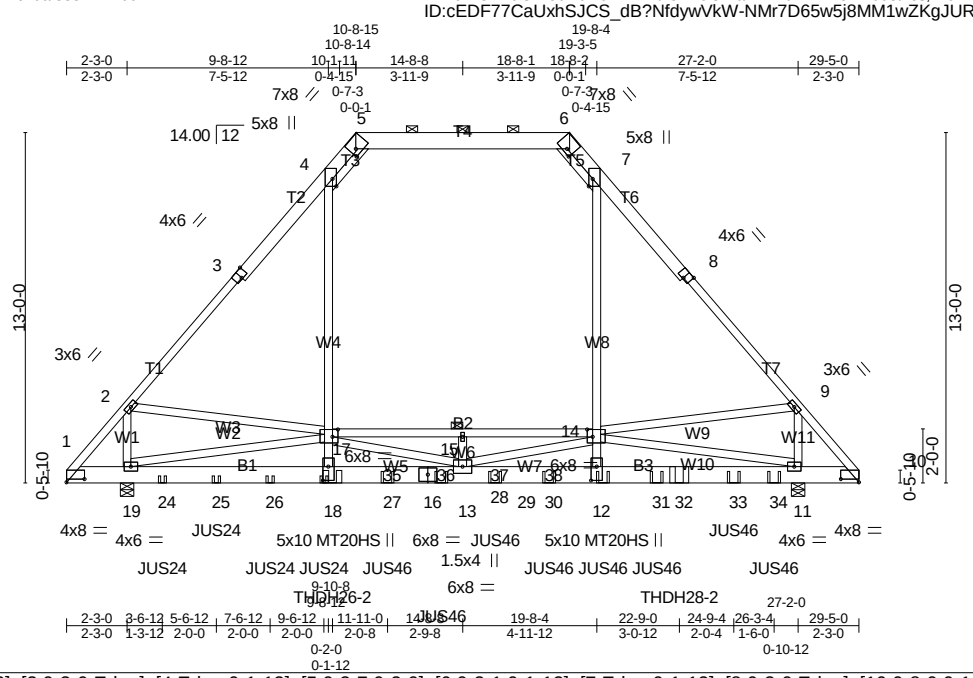

Plate Offsets (X,Y)-- [1:0-8-0,0-1-6], [3:0-3-0,Edge], [4:Edge,0-1-12], [5:0-2-7,0-2-9], [6:0-3-1,0-1-12], [7:Edge,0-1-12], [8:0-3-0,Edge], [10:0-8-0,0-1-6], [12:0-6-4,0-2-8], [14:0-2-8,0-3-4], [17:0-2-8,0-3-4], [18:0-6-4,0-2-8]

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	0.77	Vert(LL)	-0.14	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.26	11-12	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.05	14-17	2130	360	Weight: 884 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP DSS *Except*
T4: 2x8 SP DSS, T1,T7: 2x4 SP M 31, T3,T5: 2x4 SP No.1

BOT CHORD 2x8 SP DSS *Except*
B2: 2x4 SP No.1

WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

JOINTS 1 Brace at Jt(s): 15

REACTIONS. (lb/size) 19=6841/0-6-0 (min. 0-2-11), 11=8246/0-6-0 (min. 0-3-9)
Max Horz 19=-512(LC 24)
Max Uplift19=-1340(LC 8), 11=-1879(LC 8)
Max Grav 19=7936(LC 2), 11=10549(LC 2)

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

TOP CHORD 1-2=-1341/301, 2-3=-6972/983, 3-4=-6715/1006, 4-5=-3343/683, 5-6=-4388/861, 6-7=-3324/675, 7-8=-6733/1016, 8-9=-6990/991, 9-10=-3636/904

BOT CHORD 1-19=-260/1032, 19-24=-1019/4751, 24-25=-1019/4751, 25-26=-1019/4751, 18-26=-1019/4751, 18-27=-964/4418, 16-27=-964/4418, 16-28=-964/4418, 13-28=-964/4418, 13-29=-1650/6390, 29-30=-1650/6390, 12-30=-1650/6390, 12-31=-1740/6895, 31-32=-1740/6895, 32-33=-1740/6895, 33-34=-1740/6895, 11-34=-1740/6895, 10-11=-647/2534, 17-35=-2984/460, 35-36=-2984/460, 15-36=-2984/460, 15-37=-2984/460, 37-38=-2984/460, 14-38=-2984/460

WEBS 2-19=-5219/821, 2-17=-389/3308, 17-18=-744/4774, 4-17=-803/4919, 12-14=-1100/5708, 7-14=-842/4969, 9-14=-23/1786, 9-11=-3221/320, 13-15=-564/0, 13-17=-976/4571, 13-14=-1415/1838, 17-19=-3432/554, 11-14=-4451/1117

NOTES-

1) Special connection required to distribute bottom chord loads equally between all plies.
2) 3-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, 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 4 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 4-18 2x4 - 1 row at 0-6-0 oc.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=19ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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.

Continued on page 2

NOTES-

10) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-6, 6-7
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 15-17, 14-15
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1340 lb uplift at joint 19 and 1879 lb uplift at joint 11.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Use USP JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-6-12 from the left end to 9-6-12 to connect truss(es) T38 (1 ply 2x4 SP), T37 (1 ply 2x4 SP), T36 (1 ply 2x4 SP), T35 (1 ply 2x4 SP) to back face of bottom chord.
15) Use USP THDH26-2 (With 22-16d nails into Girder & 4-16d nails into Truss) or equivalent at 9-10-8 from the left end to connect truss(es) FG03 (2 ply 2x4 SP) to back face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
16) Use USP JUS46 (With 4-16d nails into Girder & 4-16d nails into Truss) or equivalent spaced at 2-10-4 oc max. starting at 11-11-0 from the left end to 26-3-4 to connect truss(es) F17 (1 ply 2x4 SP), F18 (1 ply 2x4 SP) to back face of bottom chord.
17) Use USP THDH28-2 (With 36-16d nails into Girder & 10-16d nails into Truss) or equivalent at 22-9-0 from the left end to connect truss(es) FG02 (2 ply 2x6 SP) to back face of bottom chord.
18) Fill all nail holes where hanger is in contact with lumber.
19) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-5=-70, 5-6=-70, 6-7=-70, 7-10=-60, 1-10=-20, 14-17=-20
   Concentrated Loads (lb)
      Vert: 18=-3465(B) 12=-216(B) 24=-602(B) 25=-602(B) 26=-602(B) 27=-217(B) 28=-216(B) 29=-216(B) 30=-216(B) 31=-216(B) 32=-5445(B) 33=-216(B) 34=-216(B)

Job	Truss	Truss Type	Qty	Ply	
JR366-20	P-01	GABLE	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Feb 10 2021 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:38 2021 Page 1
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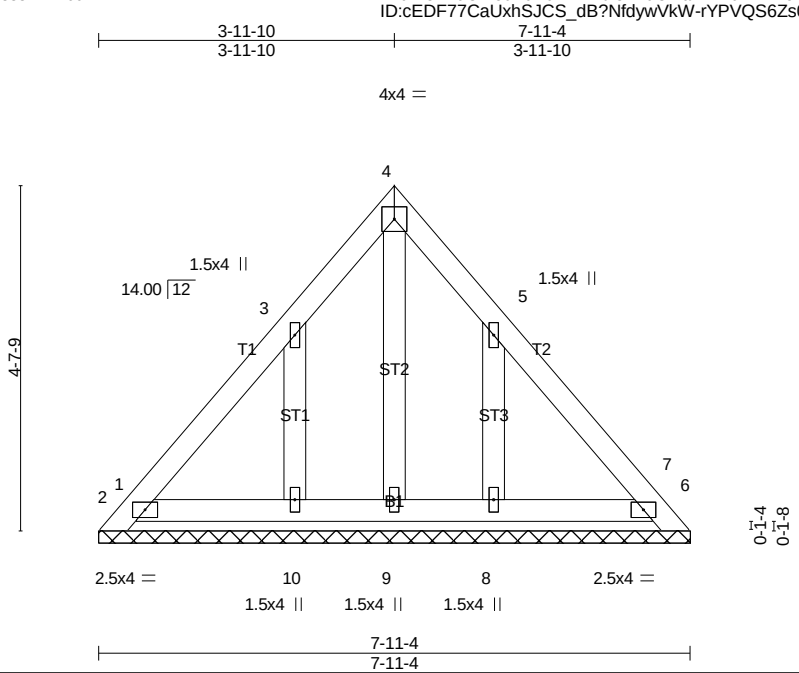

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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. All bearings 7-11-4.
(lb) - Max Horz 1=192(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 9 except 1=-259(LC 10), 7=-113(LC 18), 2=-118(LC 9), 6=-103(LC 12), 10=-156(LC 12), 8=-156(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 6, 9, 10, 8 except 2=296(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-267/323
WEBS 3-10=-288/306, 5-8=-288/306

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 1-4-0 oc.
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.
8) Bearing at joint(s) 1, 7, 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 1=259, 7=113, 2=118, 6=103, 10=156, 8=156.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	P-02	Piggyback	5	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Feb 10 2021 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:39 2021 Page 1
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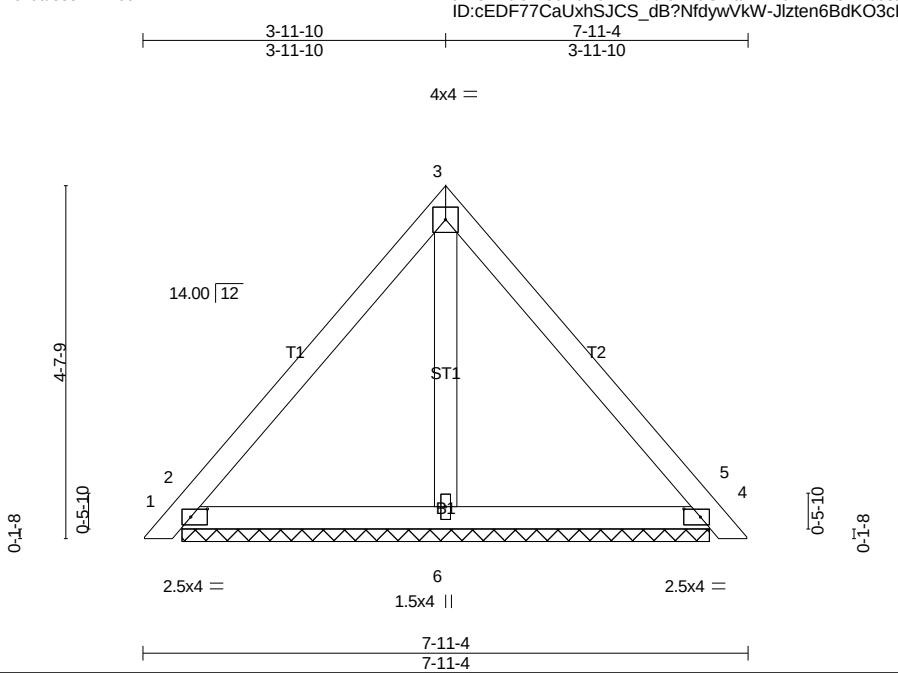

Plate Offsets (X,Y)-- [2:0-2-10,0-1-4], [4:0-2-10,0-1-4]

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	0.35	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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) 2=197/6-11-0 (min. 0-1-8), 4=197/6-11-0 (min. 0-1-8), 6=196/6-11-0 (min. 0-1-8)
Max Horz 2=-192(LC 10)
Max Uplift2=-104(LC 12), 4=-104(LC 12)
Max Grav 2=197(LC 1), 4=197(LC 1), 6=210(LC 3)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=104, 4=104.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	PB01	GABLE	2	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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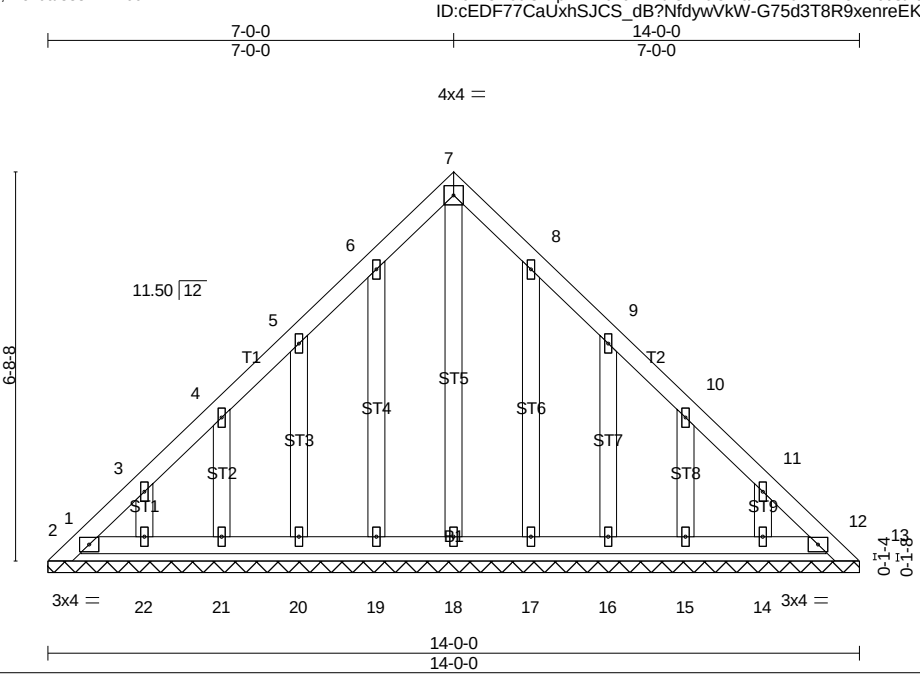

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 90 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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. All bearings 14-0-0.
(lb) - Max Horz 1=-282(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 13, 2, 12, 18, 19, 21, 22, 17, 15, 14 except 1=-206(LC 10), 20=-104(LC 12), 16=-104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 2, 12, 18, 19, 20, 21, 22, 17, 16, 15, 14

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-349/359

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=37ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 2, 12, 18, 19, 21, 22, 17, 15, 14 except (jt=lb) 1=206, 20=104, 16=104.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	PB02	Piggyback	23	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:42 2021 Page 1
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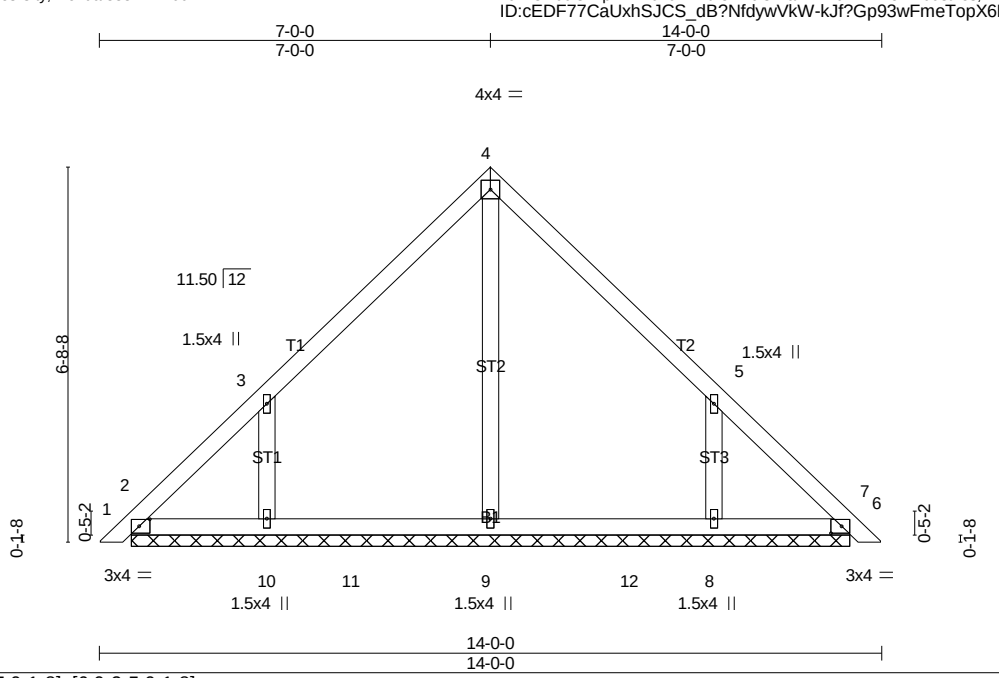

Plate Offsets (X,Y)-- [2:0-2-5,0-1-8], [6:0-2-5,0-1-8]

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	0.18	Vert(LL)	-0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 63 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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. All bearings 12-10-4.
(lb) - Max Horz 2=-282(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-277(LC 12), 8=-277(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=348(LC 17), 10=442(LC 17), 8=440(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-466/428, 5-8=-466/428

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=37ft; B=83ft; L=65ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=277, 8=277.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	PB03	Piggyback	5	1	Job Reference (optional)

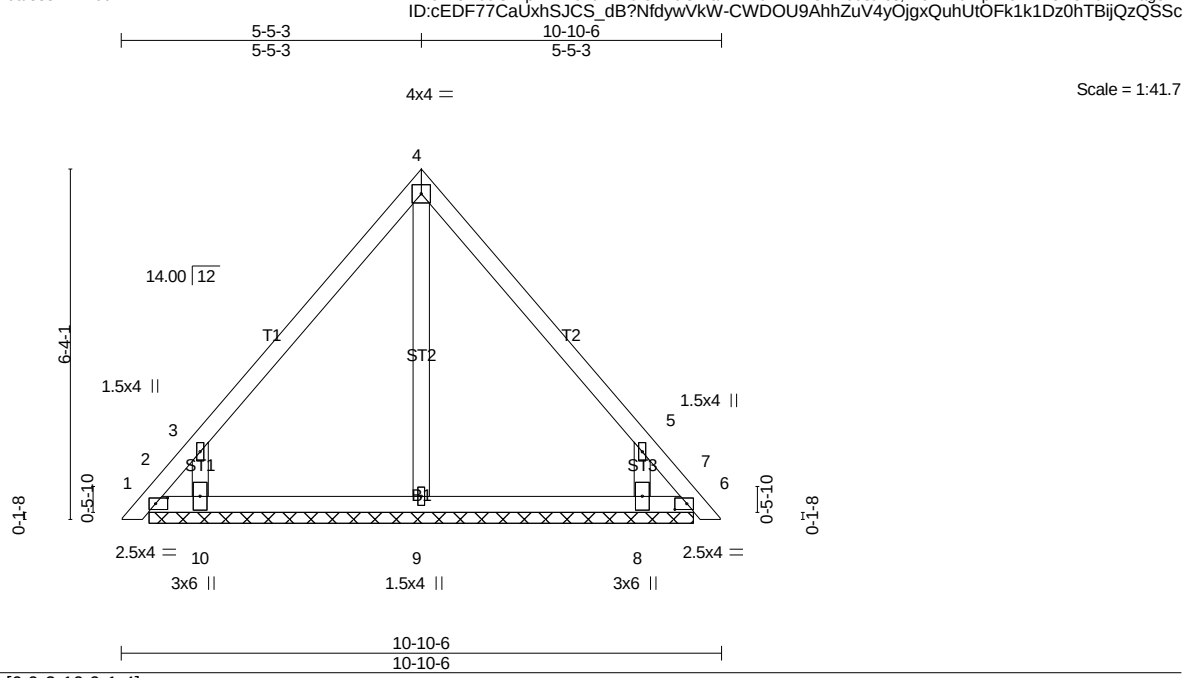

Plate Offsets (X,Y)-- [2:0-2-10,0-1-4], [6:0-2-10,0-1-4]

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	0.26	Vert(LL)	-0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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. All bearings 9-10-3.
(lb) - Max Horz 2=286(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-288(LC 10), 6=-245(LC 11), 10=-379(LC 12), 8=-379(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=507(LC 17), 8=504(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-391/350, 5-6=-392/315
WEBS 3-10=-664/695, 5-8=-664/695

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=37ft; B=83ft; L=65ft; eave=8ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 288 lb uplift at joint 2, 245 lb uplift at joint 6, 379 lb uplift at joint 10 and 379 lb uplift at joint 8.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	PB05	GABLE	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:44 2021 Page 1
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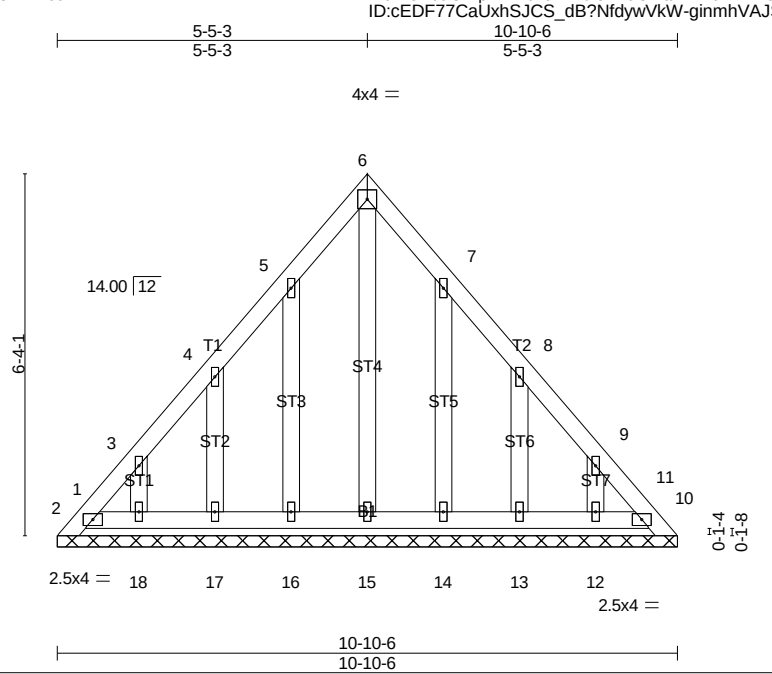

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 70 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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. All bearings 10-10-6.
(lb) - Max Horz 1=-286(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 11, 2, 10, 15 except 1=-237(LC 10), 16=-106(LC 12), 17=-137(LC 12), 18=-118(LC 12), 14=-106(LC 12), 13=-137(LC 12), 12=-118(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 11, 2, 10, 15, 16, 17, 18, 14, 13, 12

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-371/380, 2-3=-315/253, 9-10=-315/239
BOT CHORD 2-18=-191/255, 17-18=-191/255, 16-17=-191/255, 15-16=-191/255, 14-15=-191/255, 13-14=-191/255, 12-13=-191/255, 10-12=-191/255

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=37ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Bearing at joint(s) 1, 11, 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 2, 10, 15 except (jt=lb) 1=237, 16=106, 17=137, 18=118, 14=106, 13=137, 12=118.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	PB06	Piggyback	2	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:45 2021 Page 1
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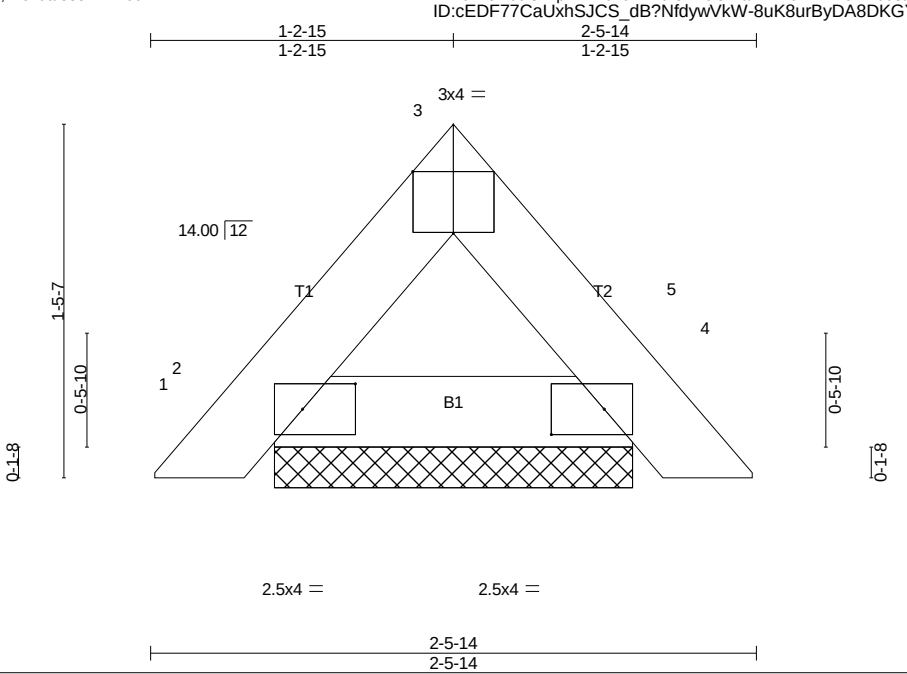

Plate Offsets (X,Y)-- [2:0-2-10,0-1-4], [3:Edge,0-3-1], [4:0-2-10,0-1-4]

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	0.02	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 8 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-14 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) 2=77/1-5-11 (min. 0-1-8), 4=77/1-5-11 (min. 0-1-8)
Max Horz 2=-56(LC 10)
Max Uplift2=-38(LC 12), 4=-38(LC 12)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=34ft; B=83ft; L=65ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	PB07	Piggyback	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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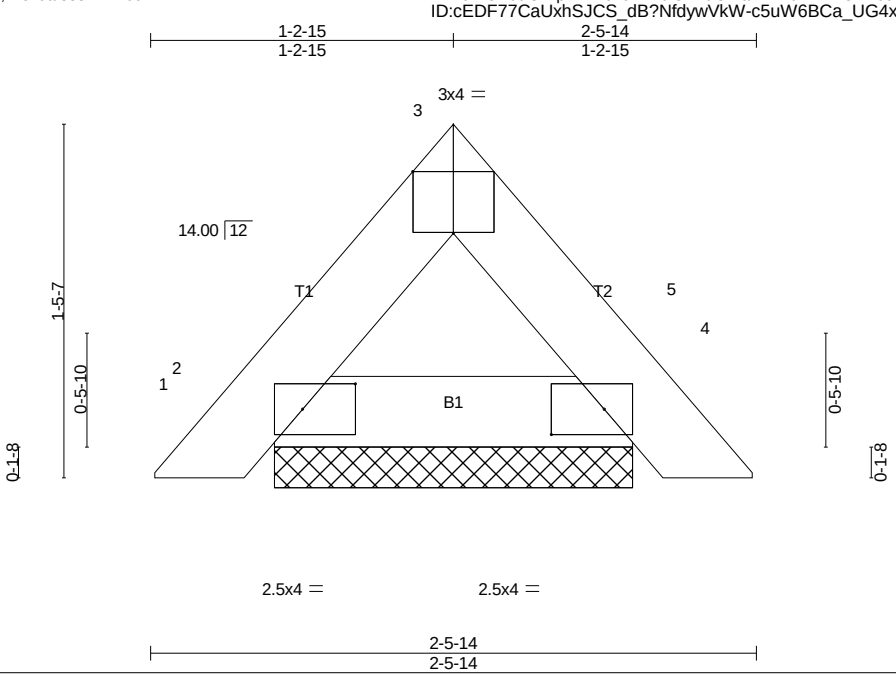


Plate Offsets (X,Y)-- [2:0-2-10,0-1-4], [3:Edge,0-3-1], [4:0-2-10,0-1-4]

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	0.02	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 8 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-14 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) 2=77/1-5-11 (min. 0-1-8), 4=77/1-5-11 (min. 0-1-8)
Max Horz 2=-56(LC 10)
Max Uplift2=-38(LC 12), 4=-38(LC 12)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=34ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T01	GABLE	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:48 2021 Page 1
ID:cEDF77CaUxhSJCS_dB?NfdywVkW-YT0HXsDqW5WoBjGhTU03OYaD1lj_iTMlqlvTOdzQSSX

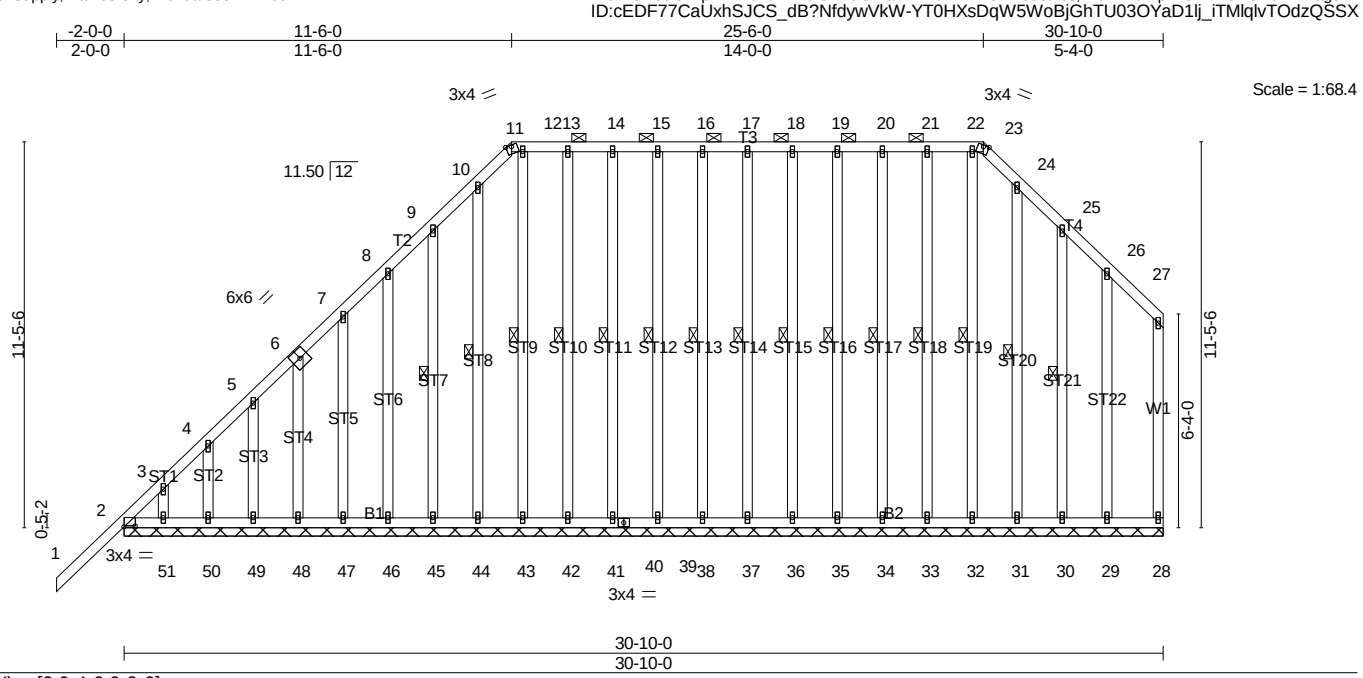


Plate Offsets (X,Y)-- [2:0-4-0,0-0-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.02	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	28	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 396 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 11-23.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-45, 10-44, 12-43, 13-42, 14-41, 15-39, 16-38, 17-37, 18-36, 19-35, 20-34, 21-33, 22-32, 24-31, 25-30

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

REACTIONS. All bearings 30-10-0.
(lb) - Max Horz 2=426(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 28, 51, 49, 48, 47, 46, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33, 32, 31 except 2=-222(LC 8), 50=-154(LC 12), 45=-107(LC 12), 30=-105(LC 12), 29=-108(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 28, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29 except 2=354(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-428/474, 3-4=-407/464, 4-5=-372/408, 5-6=-344/365, 6-7=-315/320, 7-8=-285/274, 8-9=-256/228, 9-10=-253/297, 10-11=-287/339, 11-12=-249/299, 12-13=-249/299, 13-14=-249/299, 14-15=-249/299, 15-16=-249/299, 16-17=-249/299, 17-18=-249/299, 18-19=-249/299, 19-20=-249/299, 20-21=-249/299, 21-22=-249/299, 22-23=-249/299, 23-24=-287/339, 24-25=-254/297

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-6-2, Exterior(2) 4-6-2 to 11-6-0, Corner(3) 11-6-0 to 18-0-2, Exterior(2) 18-0-2 to 25-6-0, Corner(3) 25-6-0 to 30-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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.

Continued on page 2

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 28, 51, 49, 48, 47, 46, 44, 43, 42, 41, 39, 38, 37, 36, 35 , 34, 33, 32, 31 except (jt=lb) 2=222, 50=154, 45=107, 30=105, 29=108.

11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

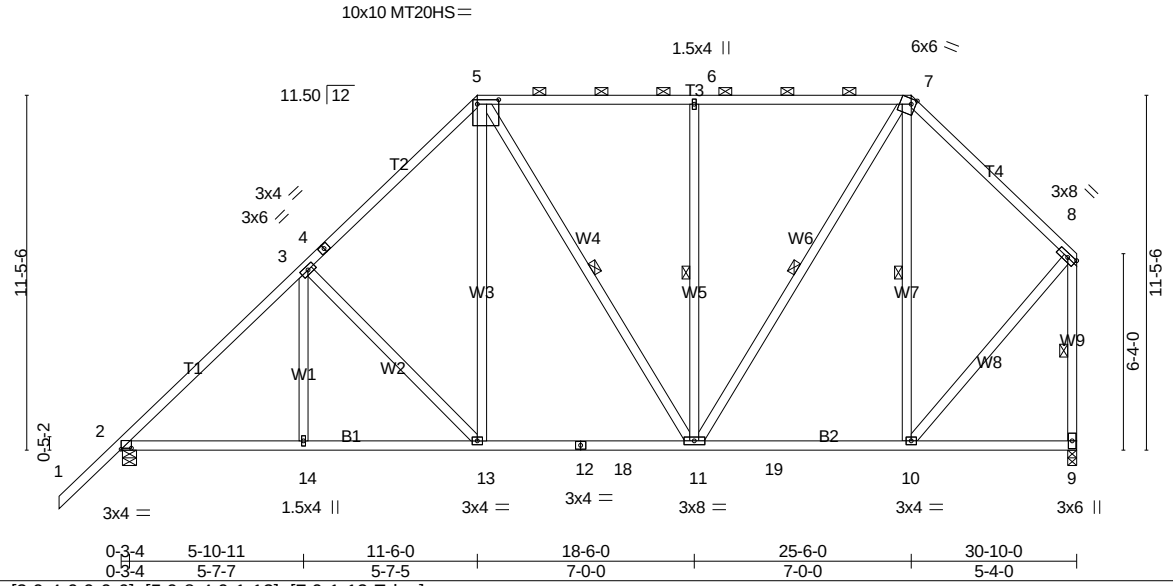
Job	Truss	Truss Type	Qty	Ply	
JR366-20	T02	Piggyback Base	4	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:49 2021 Page 1
ID:cEDF77CaUxhSJCS_dB?NfdywVkW-1gafkCESGPefptrt1BXlwl7Nv90kRmcv3Pe0x3zQSSW

-2-0-0	5-10-11	11-6-0	18-6-0	25-6-0	30-10-0
2-0-0	5-10-11	5-7-5	7-0-0	7-0-0	5-4-0

Scale = 1:74.3



0-3-4	5-10-11	11-6-0	18-6-0	25-6-0	30-10-0
0-3-4	5-7-7	5-7-5	7-0-0	7-0-0	5-4-0

Plate Offsets (X,Y)-- [2:0-4-0,0-0-6], [5:0-8-4,0-1-12], [7:0-1-12,Edge]

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	0.51	Vert(LL)	-0.08	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.14	11-13	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 233 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, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-11, 6-11, 7-11, 7-10, 8-9

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

REACTIONS. (lb/size) 2=1351/0-5-8 (min. 0-1-11), 9=1224/0-3-8 (min. 0-1-8)
Max Horz 2=428(LC 12)
Max Uplift 2=-464(LC 12), 9=-384(LC 12)
Max Grav 2=1433(LC 17), 9=1277(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1615/677, 3-4=-1335/710, 4-5=-1231/753, 5-6=-942/676, 6-7=-942/676, 7-8=-824/486, 8-9=-1244/639
BOT CHORD 2-14=-666/1326, 13-14=-666/1326, 12-13=-378/1003, 12-18=-378/1003, 11-18=-378/1003, 11-19=-190/561, 10-19=-190/561
WEBS 3-13=-671/410, 5-13=-211/585, 6-11=-468/380, 7-11=-352/785, 7-10=-431/287, 8-10=-269/856

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-6-2, Exterior(2) 4-6-2 to 30-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=464, 9=384.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T03	Piggyback Base	2	1	Job Reference (optional)

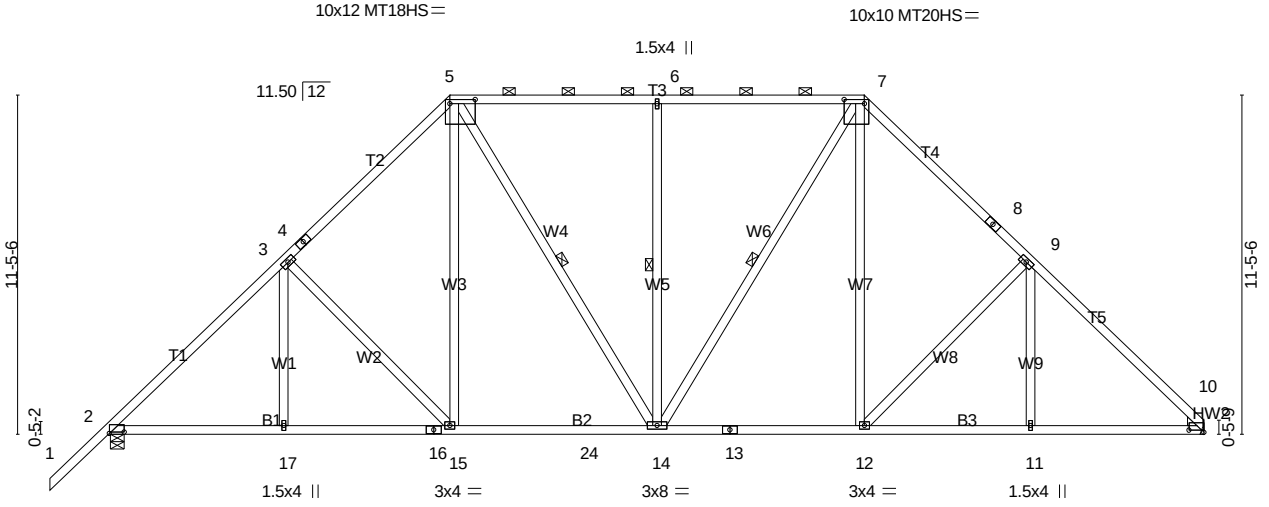
Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:50 2021 Page 1

ID:cEDF77CaUxhSJCS_dB?NfdywVkW-Vs81yYF41inWQ1Q3av2XTzfZcZLeAEz2I3OZTWzQSSV

-2-0-0	5-10-11	11-6-0	18-6-0	25-6-0	31-1-5	36-11-8
2-0-0	5-10-11	5-7-5	7-0-0	7-0-0	5-7-5	5-10-3

Scale = 1:77.8



0-3-4	5-10-11	11-6-0	18-6-0	25-6-0	31-1-5	36-11-8
0-3-4	5-7-7	5-7-5	7-0-0	7-0-0	5-7-5	5-10-3

Plate Offsets (X,Y)-- [2:0-6-0,0-0-10], [5:0-10-4,0-1-12], [7:0-8-4,0-1-12], [10:0-6-0,0-0-14]

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)	-0.10	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.18	14-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.06	10	n/a	n/a	MT18HS	244/190
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 254 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-2-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14, 6-14, 7-14

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

REACTIONS. (lb/size) 2=1602/0-5-8 (min. 0-2-0), 10=1475/Mechanical
Max Horz 2=515(LC 11)
Max Uplift 2=-559(LC 12), 10=-425(LC 12)
Max Grav 2=1673(LC 17), 10=1543(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1957/887, 3-4=-1679/921, 4-5=-1576/965, 5-6=-1382/923, 6-7=-1382/923, 7-8=-1585/972, 8-9=-1689/929, 9-10=-1974/908
BOT CHORD 2-17=-460/1644, 16-17=-460/1644, 15-16=-460/1644, 15-24=-227/1325, 14-24=-227/1325, 13-14=-179/1186, 12-13=-179/1186, 11-12=-482/1313, 10-11=-482/1313
WEBS 3-15=-665/406, 5-15=-208/581, 5-14=-217/502, 6-14=-468/381, 7-14=-213/500, 7-12=-223/565, 9-12=-633/432

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-6-2, Exterior(2) 4-6-2 to 36-11-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=559, 10=425.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T04	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:51 2021 Page 1

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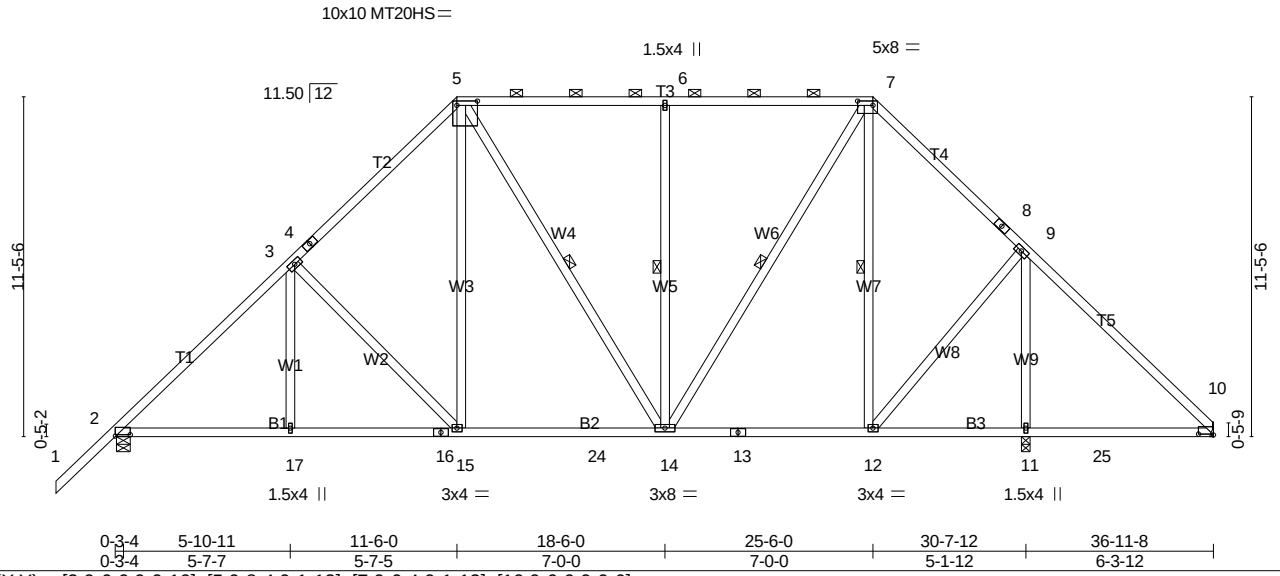
-2-0-0	5-10-11	11-6-0	18-6-0	25-6-0	30-7-12	36-11-8
2-0-0	5-10-11	5-7-5	7-0-0	7-0-0	5-1-12	6-3-12

Scale = 1:77.5



0-3-4	5-10-11	11-6-0	18-6-0	25-6-0	30-7-12	36-11-8
0-3-4	5-7-7	5-7-5	7-0-0	7-0-0	5-1-12	6-3-12

Plate Offsets (X,Y)-- [2:0-6-0,0-0-10], [5:0-8-4,0-1-12], [7:0-6-4,0-1-12], [10:0-6-0,0-0-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.08	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.14	14-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 254 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, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14, 6-14, 7-14, 7-12

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

REACTIONS. (lb/size) 2=1377/0-5-8 (min. 0-1-11), 11=1315/0-3-8 (min. 0-1-11), 10=384/Mechanical
Max Horz 2=515(LC 11)
Max Uplift 2=-494(LC 12), 11=-377(LC 12), 10=-112(LC 12)
Max Grav 2=1448(LC 17), 11=1423(LC 18), 10=426(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1636/739, 3-4=-1356/772, 4-5=-1260/815, 5-6=-1022/751, 6-7=-1022/751, 7-8=-935/667, 8-9=-962/627, 9-10=-376/189
BOT CHORD 2-17=-354/1414, 16-17=-354/1414, 15-16=-354/1414, 15-24=-204/1092, 14-24=-204/1092, 13-14=-68/668, 12-13=-68/668
WEBS 3-15=-668/407, 5-15=-209/581, 6-14=-473/387, 7-14=-301/773, 7-12=-360/165, 9-12=-124/738, 9-11=-1202/626

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-6-2, Exterior(2) 4-6-2 to 36-11-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=494, 11=377, 10=112.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

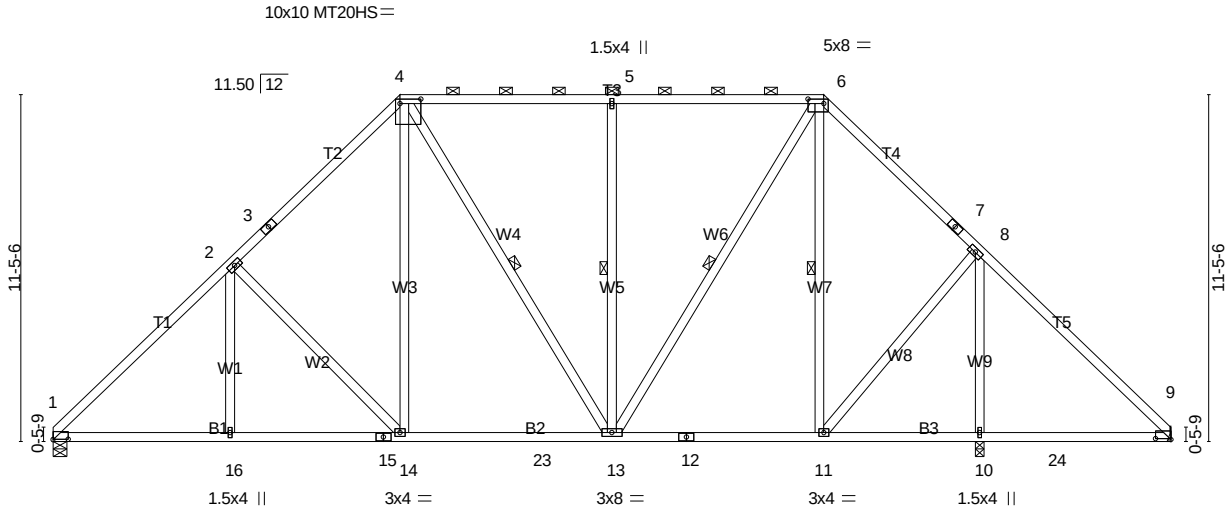
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T05	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400 Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:53 2021 Page 1
ID:cEDF77CaUxhSJCS_dB?NfdywVkW-vRpAaaHzKd94HU9eG1cE5bH3mmOaNaEU_1cD4qzQSSS

5-10-3	11-5-8	18-5-8	25-5-8	30-7-4	36-11-0
5-10-3	5-7-5	7-0-0	7-0-0	5-1-12	6-3-12

Scale = 1:76.1



5-10-3	11-5-8	18-5-8	25-5-8	30-7-4	36-11-0
5-10-3	5-7-5	7-0-0	7-0-0	5-1-12	6-3-12

Plate Offsets (X,Y)-- [1:0-6-0,0-0-2], [4:0-8-4,0-1-12], [6:0-6-4,0-1-12], [9:0-6-0,0-0-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.08	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.09	10-22	>825	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 250 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, except 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-13, 5-13, 6-13, 6-11

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

REACTIONS. (lb/size) 1=1252/0-5-8 (min. 0-1-9), 10=1313/0-3-8 (min. 0-1-11), 9=388/Mechanical
Max Horz 1=-466(LC 10)
Max Uplift 1=-368(LC 12), 10=-379(LC 12), 9=-119(LC 12)
Max Grav 1=1318(LC 17), 10=1421(LC 18), 9=427(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1655/769, 2-3=-1366/788, 3-4=-1262/831, 4-5=-1019/760, 5-6=-1019/760, 6-7=-936/675, 7-8=-963/635, 8-9=-378/197
BOT CHORD 1-16=-382/1434, 15-16=-382/1434, 14-15=-382/1434, 14-23=-209/1098, 13-23=-209/1098, 12-13=-71/672, 11-12=-71/672
WEBS 2-14=-639/436, 4-14=-224/567, 5-13=-473/389, 6-13=-307/776, 6-11=-359/165, 8-11=-124/736, 8-10=-1200/626

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 6-6-2, Exterior(2) 6-6-2 to 36-11-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=368, 10=379, 9=119.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T06	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:54 2021 Page 1
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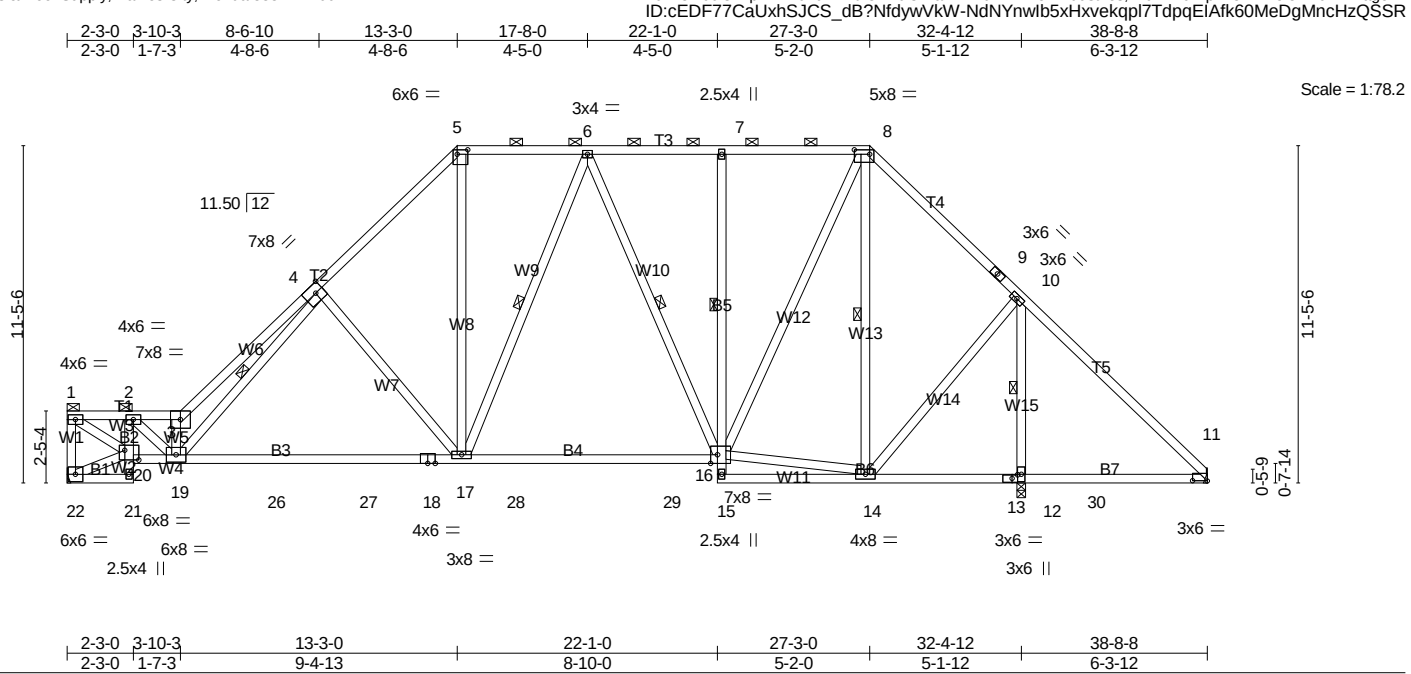

Plate Offsets (X,Y)-- [4:0-3-5,Edge], [5:0-4-4,0-1-12], [8:0-6-4,0-1-12], [11:0-6-0,0-0-2], [13:0-2-4,0-1-8], [16:0-2-12,Edge], [20:0-5-12,0-4-0]

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	0.46	Vert(LL)	-0.26	17-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.56	17-19	>693	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 289 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-8-2 max.): 1-3, 5-8.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 7-16
WEBS 1 Row at midpt 4-19, 6-17, 6-16, 8-14, 10-12

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

REACTIONS. (lb/size) 22=1206/Mechanical, 12=2058/0-3-8 (min. 0-2-9), 11=-179/Mechanical
Max Horz 22=430(LC 11)
Max Uplift22=-352(LC 12), 12=-588(LC 12), 11=-349(LC 23)
Max Grav 22=1242(LC 17), 12=2186(LC 17), 11=132(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-1283/520, 1-2=-1849/706, 2-3=-2774/1049, 3-4=-4279/1777, 4-5=-1440/822, 5-6=-1024/704, 6-7=-813/634, 7-8=-811/635, 8-9=-607/512, 9-10=-617/472, 10-11=-234/836
BOT CHORD 2-20=-981/351, 19-20=-668/2310, 19-26=-409/1635, 26-27=-409/1635, 18-27=-409/1635, 17-18=-409/1635, 17-28=-197/1038, 28-29=-197/1038, 16-29=-197/1038, 7-16=-310/251, 13-14=-496/318, 12-13=-496/318, 12-30=-496/318, 11-30=-496/318
WEBS 20-22=-482/310, 1-20=-830/2183, 2-19=-384/1159, 3-19=-2972/1331, 4-19=-1032/2759, 4-17=-794/549, 5-17=-339/678, 6-17=-93/285, 6-16=-523/206, 14-16=-9/476, 8-16=-373/1114, 8-14=-968/224, 10-14=-223/1282, 10-12=-1961/962

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 3-10-3, Exterior(2) 3-10-3 to 13-3-0, Corner(3) 13-3-0 to 19-9-2, Exterior(2) 19-9-2 to 27-3-0, Corner(3) 27-3-0 to 33-9-2, Exterior(2) 33-9-2 to 38-8-8 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=352, 12=588, 11=349.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T07	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:56 2021 Page 1

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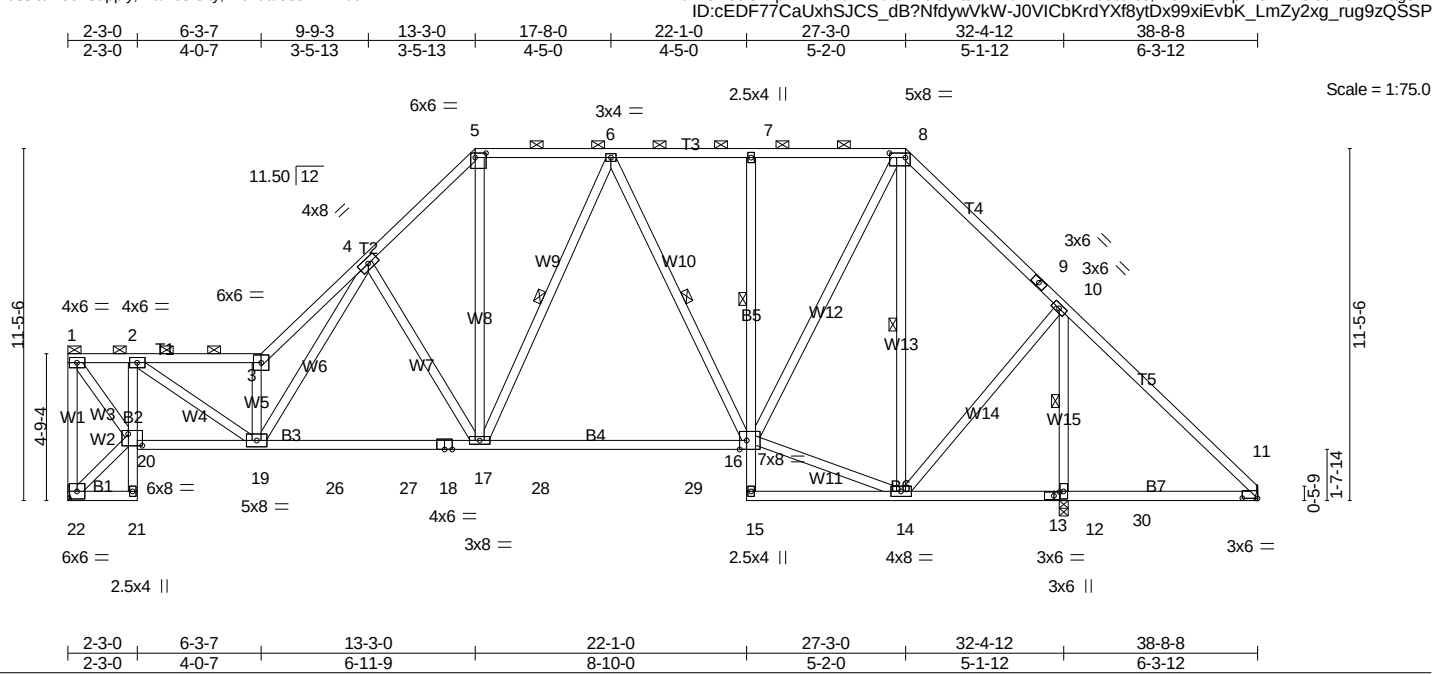

Plate Offsets (X,Y)-- [5:0-4-4,0-1-12], [8:0-6-4,0-1-12], [11:0-6-0,0-0-2], [13:0-2-4,0-1-8], [16:0-2-12,Edge], [20:0-5-8,0-4-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.23	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.42	16-17	>925	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.13	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 296 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-1-7 max.): 1-3, 5-8.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 7-16
WEBS 1 Row at midpt 6-17, 6-16, 8-14, 10-12

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

REACTIONS. (lb/size) 22=1221/Mechanical, 12=1965/0-3-8 (min. 0-2-7), 11=-101/Mechanical
Max Horz 22=394(LC 11)
Max Uplift22=-375(LC 12), 12=-537(LC 12), 11=-271(LC 21)
Max Grav 22=1221(LC 1), 12=2041(LC 17), 11=131(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-1422/362, 1-2=-1076/262, 2-3=-2255/872, 3-4=-3332/1405, 4-5=-1566/859, 5-6=-1114/703, 6-7=-881/649, 7-8=-878/650, 8-9=-686/545, 9-10=-696/505, 10-11=-161/689
BOT CHORD 2-20=-1063/612, 19-20=-339/1401, 19-26=-324/1667, 26-27=-324/1667, 18-27=-324/1667, 17-18=-324/1667, 17-28=-207/1156, 28-29=-207/1156, 16-29=-207/1156, 7-16=-309/250, 13-14=-376/266, 12-13=-376/266, 12-30=-376/266, 11-30=-376/266
WEBS 20-22=-542/467, 1-20=-426/1750, 2-19=-718/1480, 3-19=-2429/1116, 4-19=-716/1917, 4-17=-837/512, 5-17=-404/828, 6-16=-483/191, 14-16=0/478, 8-16=-327/1185, 8-14=-966/221, 10-14=-210/1181, 10-12=-1820/897

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-3-7, Exterior(2) 6-3-7 to 13-3-0, Corner(3) 13-3-0 to 19-9-2, Exterior(2) 19-9-2 to 27-3-0, Corner(3) 27-3-0 to 33-9-2, Exterior(2) 33-9-2 to 38-8-8 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=375, 12=537, 11=271.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T08	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400 Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:57 2021 Page 1
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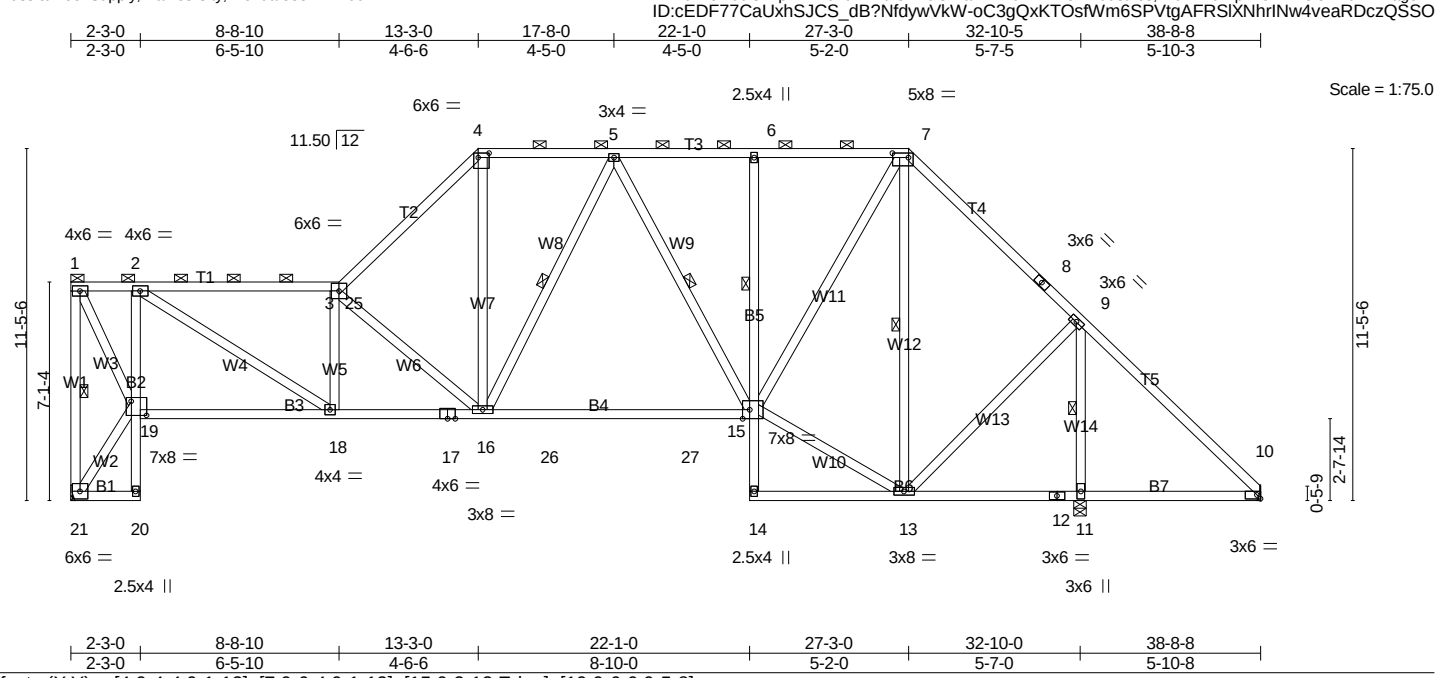

Plate Offsets (X,Y)-- [4:0-4-4,0-1-12], [7:0-6-4,0-1-12], [15:0-2-12,Edge], [19:0-6-0,0-5-8]

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	0.40	Vert(LL)	-0.23	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.43	15-16	>909	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.15	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 294 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-1-14 max.): 1-3, 4-7.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-15
WEBS 1 Row at midpt 1-21, 5-16, 5-15, 7-13, 9-11

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

REACTIONS. (lb/size) 21=1249/Mechanical, 11=1936/0-4-15 (min. 0-2-5), 10=-100/Mechanical
Max Horz 21=357(LC 11)
Max Uplift21=-411(LC 12), 11=-486(LC 12), 10=-253(LC 21)
Max Grav 21=1249(LC 1), 11=1936(LC 1), 10=119(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-1469/234, 1-2=-763/123, 2-25=-1907/771, 3-25=-1907/771, 3-4=-1689/807, 4-5=-1218/701, 5-6=-984/675, 6-7=-975/676, 7-8=-727/574, 8-9=-771/531, 9-10=-134/605
BOT CHORD 2-19=-1111/768, 18-19=-270/1036, 17-18=-391/2154, 16-17=-391/2154, 16-26=-221/1284, 26-27=-221/1284, 15-27=-221/1284, 6-15=-309/246, 12-13=-348/214, 11-12=-348/214, 10-11=-348/214
WEBS 19-21=-631/742, 1-19=-268/1654, 2-18=-855/1440, 3-18=-735/510, 3-16=-1087/472, 4-16=-318/837, 5-15=-398/153, 13-15=-8/562, 7-15=-273/1247, 7-13=-941/207, 9-13=-188/1106, 9-11=-1773/846

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=31ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-7-14, Exterior(2) 6-7-14 to 13-3-0, Corner(3) 13-3-0 to 19-9-2, Exterior(2) 19-9-2 to 27-3-0, Corner(3) 27-3-0 to 33-9-2, Exterior(2) 33-9-2 to 38-8-8 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=411, 11=486, 10=253.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T09	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400 Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:45:59 2021 Page 1
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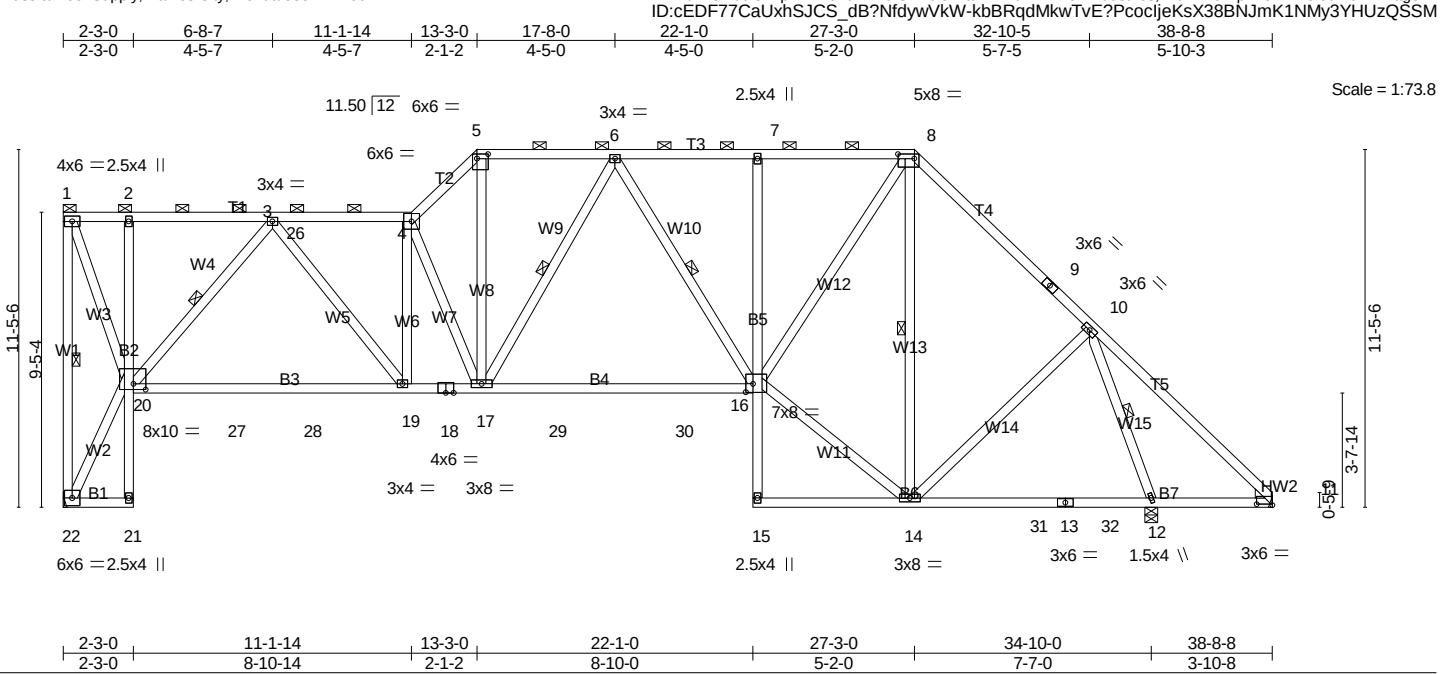

Plate Offsets (X,Y)-- [5:0-4-4,0-1-12], [8:0-6-4,0-1-12], [11:0-6-0,0-0-6], [16:0-2-12,0-3-4], [20:0-4-12,0-2-4]

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	0.52	Vert(LL)	-0.22	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.44	16-17	>938	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.22	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 310 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-6-0 max.): 1-4, 5-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-22, 3-20, 6-17, 6-16, 8-14, 10-12

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

REACTIONS. (lb/size) 22=1346/Mechanical, 12=1980/0-4-15 (min. 0-2-6), 11=-241/Mechanical
Max Horz 22=-433(LC 12)
Max Uplift 22=-476(LC 12), 12=-382(LC 12), 11=-384(LC 23)
Max Grav 22=1358(LC 18), 12=2012(LC 18), 11=103(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-1611/162, 1-2=-560/55, 2-3=-588/51, 3-26=-1866/710, 4-26=-1866/710, 4-5=-2056/898, 5-6=-1524/718, 6-7=-1399/791, 7-8=-1386/794, 8-9=-996/725, 9-10=-1104/682, 10-11=-136/751
BOT CHORD 20-27=-218/1533, 27-28=-218/1533, 19-28=-218/1533, 18-19=-317/2057, 17-18=-317/2057, 17-29=-276/1644, 29-30=-276/1644, 16-30=-276/1644, 7-16=-307/242, 14-31=-83/274, 13-31=-83/274, 13-32=-83/274, 12-32=-83/274, 11-12=-432/169
WEBS 20-22=-905/1148, 1-20=-162/1659, 3-20=-1288/814, 3-19=-456/916, 4-19=-594/433, 4-17=-1105/350, 5-17=-448/1197, 6-16=-294/118, 14-16=-52/877, 8-16=-299/1445, 8-14=-860/190, 10-14=-97/711, 10-12=-1889/757

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=31ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-8-7, Exterior(2) 6-8-7 to 13-3-0, Corner(3) 13-3-0 to 19-9-2, Exterior(2) 19-9-2 to 27-3-0, Corner(3) 27-3-0 to 33-9-2, Exterior(2) 33-9-2 to 38-8-8 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=476, 12=382, 11=384.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T10	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:00 2021 Page 1
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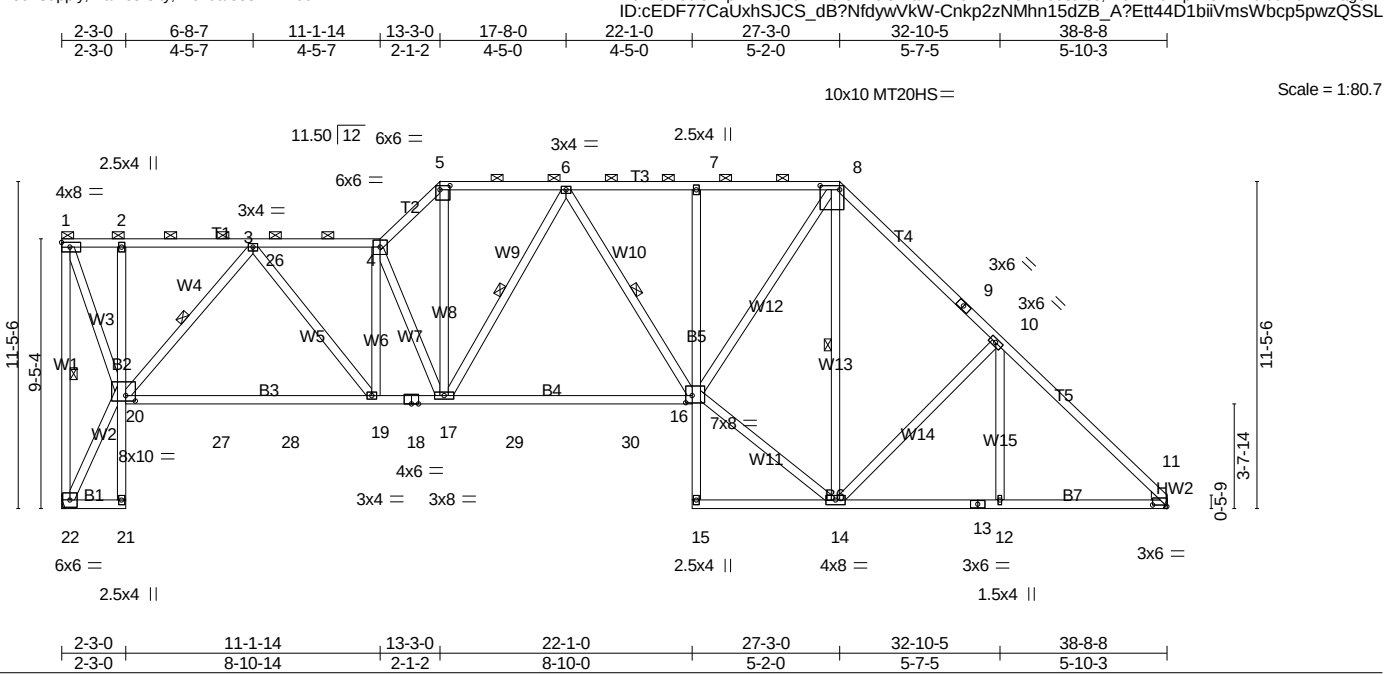


Plate Offsets (X,Y)-- [5:0-4-4,0-1-12], [8:0-8-4,0-1-12], [11:0-6-0,0-0-10], [16:0-2-12,0-3-0], [20:0-4-0,0-2-4]

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	0.64	Vert(LL)	-0.26	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.52	16-17	>893	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.28	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 310 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-0-13 max.): 1-4, 5-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-22, 3-20, 6-17, 6-16, 8-14

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

REACTIONS. (lb/size) 22=1542/Mechanical, 11=1543/Mechanical
Max Horz 22=-433(LC 12)
Max Uplift 22=-514(LC 12), 11=-410(LC 12)
Max Grav 22=1546(LC 18), 11=1570(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-1793/181, 1-2=-624/61, 2-3=-654/58, 3-26=-2229/848, 4-26=-2229/848, 4-5=-2496/1064, 5-6=-1852/842, 6-7=-1966/997, 7-8=-1958/1000, 8-9=-1615/960, 9-10=-1721/917, 10-11=-2017/895
BOT CHORD 20-27=-241/1754, 27-28=-241/1754, 19-28=-241/1754, 18-19=-356/2426, 17-18=-356/2426, 17-29=-329/2076, 29-30=-329/2076, 16-30=-329/2076, 7-16=-304/241, 13-14=-472/1378, 12-13=-472/1378, 11-12=-472/1378
WEBS 20-22=-907/1150, 1-20=-182/1850, 3-20=-1534/906, 3-19=-543/1152, 4-19=-781/503, 4-17=-1229/397, 5-17=-561/1495, 6-17=-413/298, 14-16=-186/1421, 8-16=-323/1627, 8-14=-595/157, 10-14=-644/444

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=31ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-8-7, Exterior(2) 6-8-7 to 13-3-0, Corner(3) 13-3-0 to 19-9-2, Exterior(2) 19-9-2 to 27-3-0, Corner(3) 27-3-0 to 33-9-2, Exterior(2) 33-9-2 to 38-8-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=514, 11=410.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

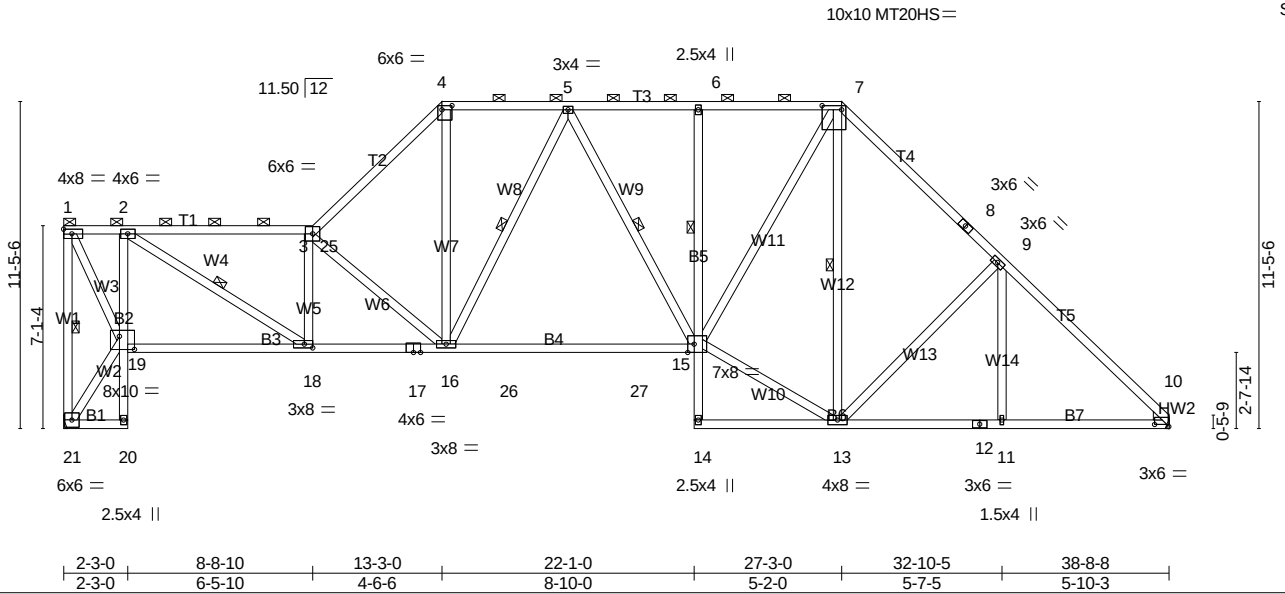
Job	Truss	Truss Type	Qty	Ply	
JR366-20	T11	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:01 2021 Page 1
ID:cEDF77CaUxhSJCS_dB?NfdywVkW-gzIBFJN_S59yFjmAkjl6PHcRA?13EB0gqGYfMNzQSSK

2-3-0	8-8-10	13-3-0	17-8-0	22-1-0	27-3-0	32-10-5	38-8-8
2-3-0	6-5-10	4-6-6	4-5-0	4-5-0	5-2-0	5-7-5	5-10-3

Scale = 1:80.7



2-3-0	8-8-10	13-3-0	22-1-0	27-3-0	32-10-5	38-8-8
2-3-0	6-5-10	4-6-6	8-10-0	5-2-0	5-7-5	5-10-3

Plate Offsets (X,Y)-- [4:0-4-4,0-1-12], [7:0-8-4,0-1-12], [10:0-6-0,0-0-14], [15:0-2-12,Edge], [18:0-3-8,0-1-8], [19:0-6-4,0-5-8]

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	0.42	Vert(LL)	-0.27	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.52	15-16	>883	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.21	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 295 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-6-10 max.): 1-3, 4-7.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-15
WEBS 1 Row at midpt 1-21, 2-18, 5-16, 5-15, 7-13

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

REACTIONS. (lb/size) 21=1542/Mechanical, 10=1542/Mechanical
Max Horz 21=357(LC 11)
Max Uplift21=-485(LC 12), 10=-428(LC 12)
Max Grav 21=1542(LC 1), 10=1550(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-1747/269, 1-2=-906/141, 2-25=-2475/1023, 3-25=-2475/1023, 3-4=-2287/1072, 4-5=-1658/896, 5-6=-1735/999, 6-7=-1729/1000, 7-8=-1586/988, 8-9=-1692/945, 9-10=-2015/923
BOT CHORD 2-19=-1391/887, 18-19=-189/1184, 17-18=-647/2731, 16-17=-647/2731, 16-26=-347/1865, 26-27=-347/1865, 15-27=-347/1865, 6-15=-304/244, 12-13=-493/1378, 11-12=-493/1378, 10-11=-493/1378
WEBS 19-21=-633/743, 1-19=-307/1964, 2-18=-1076/1935, 3-18=-1015/635, 3-16=-1280/557, 4-16=-499/1247, 5-16=-407/241, 13-15=-189/1336, 7-15=-315/1341, 7-13=-382/172, 9-13=-641/440

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=31ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-7-14, Exterior(2) 6-7-14 to 13-3-0, Corner(3) 13-3-0 to 19-9-2, Exterior(2) 19-9-2 to 27-3-0, Corner(3) 27-3-0 to 33-9-2, Exterior(2) 33-9-2 to 38-8-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=485, 10=428.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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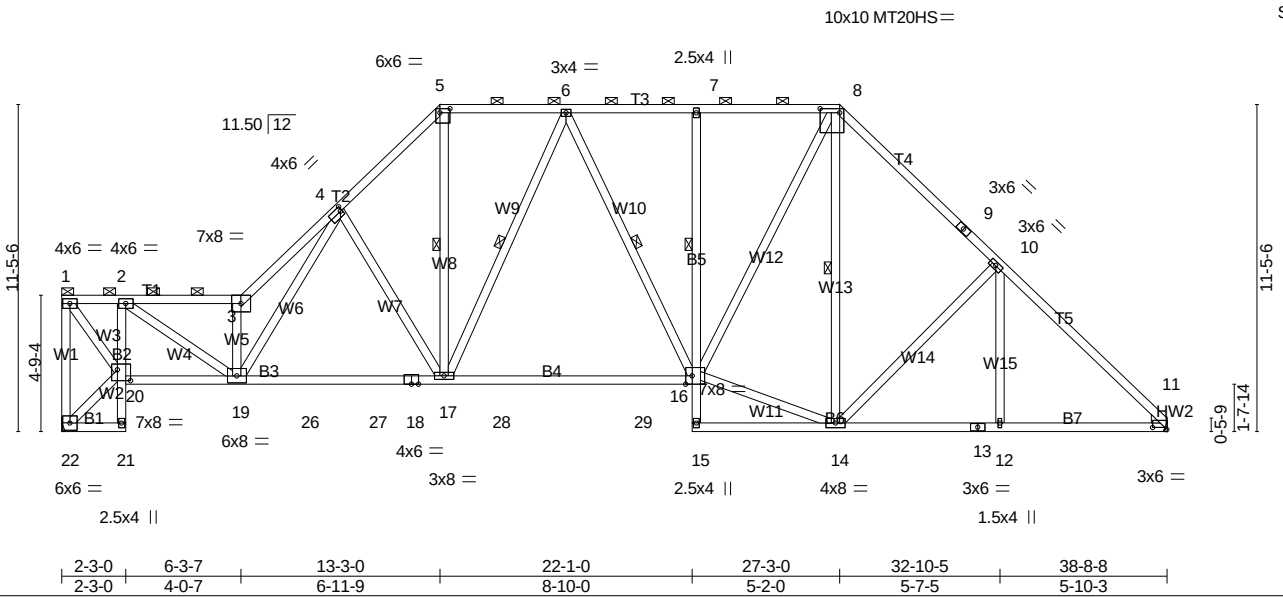
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T12	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400 Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:03 2021 Page 1
ID:cEDF77CaUxhSJCS_dB?NfdywVkW-cMQyg?PEziPfU1wZr7naUiilxojei5wzHa1lQFzQSSI

2-3-0	6-3-7	9-9-3	13-3-0	17-8-0	22-1-0	27-3-0	32-10-5	38-8-8
2-3-0	4-0-7	3-5-13	3-5-13	4-5-0	4-5-0	5-2-0	5-7-5	5-10-3

Scale = 1:80.7



2-3-0	6-3-7	13-3-0	22-1-0	27-3-0	32-10-5	38-8-8
2-3-0	4-0-7	6-11-9	8-10-0	5-2-0	5-7-5	5-10-3

Plate Offsets (X,Y)-- [4:0-0-12,0-2-0], [5:0-4-4,0-1-12], [8:0-8-4,0-1-12], [11:0-6-0,0-0-14], [16:0-2-12,Edge], [20:0-5-8,0-4-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.27	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.52	16-17	>894	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.19	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 296 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-7-0 max.): 1-3, 5-8.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 7-16
WEBS 1 Row at midpt 5-17, 6-17, 6-16, 8-14

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

REACTIONS. (lb/size) 22=1542/Mechanical, 11=1542/Mechanical
Max Horz 22=394(LC 11)
Max Uplift22=-463(LC 12), 11=-439(LC 12)
Max Grav 22=1542(LC 1), 11=1562(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-1742/505, 1-2=-1322/372, 2-3=-2930/1173, 3-4=-4300/1837, 4-5=-2190/1138, 5-6=-1568/906, 6-7=-1574/985, 7-8=-1568/986, 8-9=-1608/1005, 9-10=-1709/962, 10-11=-2015/939
BOT CHORD 2-20=-1347/744, 19-20=-373/1661, 19-26=-534/2178, 26-27=-534/2178, 18-27=-534/2178, 17-18=-534/2178, 17-28=-346/1754, 28-29=-346/1754, 16-29=-346/1754, 7-16=-303/239, 13-14=-505/1378, 12-13=-505/1378, 11-12=-505/1378
WEBS 20-22=-544/464, 1-20=-605/2151, 2-19=-945/1967, 3-19=-3082/1408, 4-19=-889/2303, 4-17=-962/568, 5-17=-598/1261, 6-17=-395/239, 14-16=-178/1307, 8-16=-286/1105, 8-14=-173/301, 10-14=-638/436

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-3-7, Exterior(2) 6-3-7 to 13-3-0, Corner(3) 13-3-0 to 19-9-2, Exterior(2) 19-9-2 to 27-3-0, Corner(3) 27-3-0 to 33-9-2, Exterior(2) 33-9-2 to 38-8-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=463, 11=439.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T13	Piggyback Base Girder	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400 Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:05 2021 Page 1
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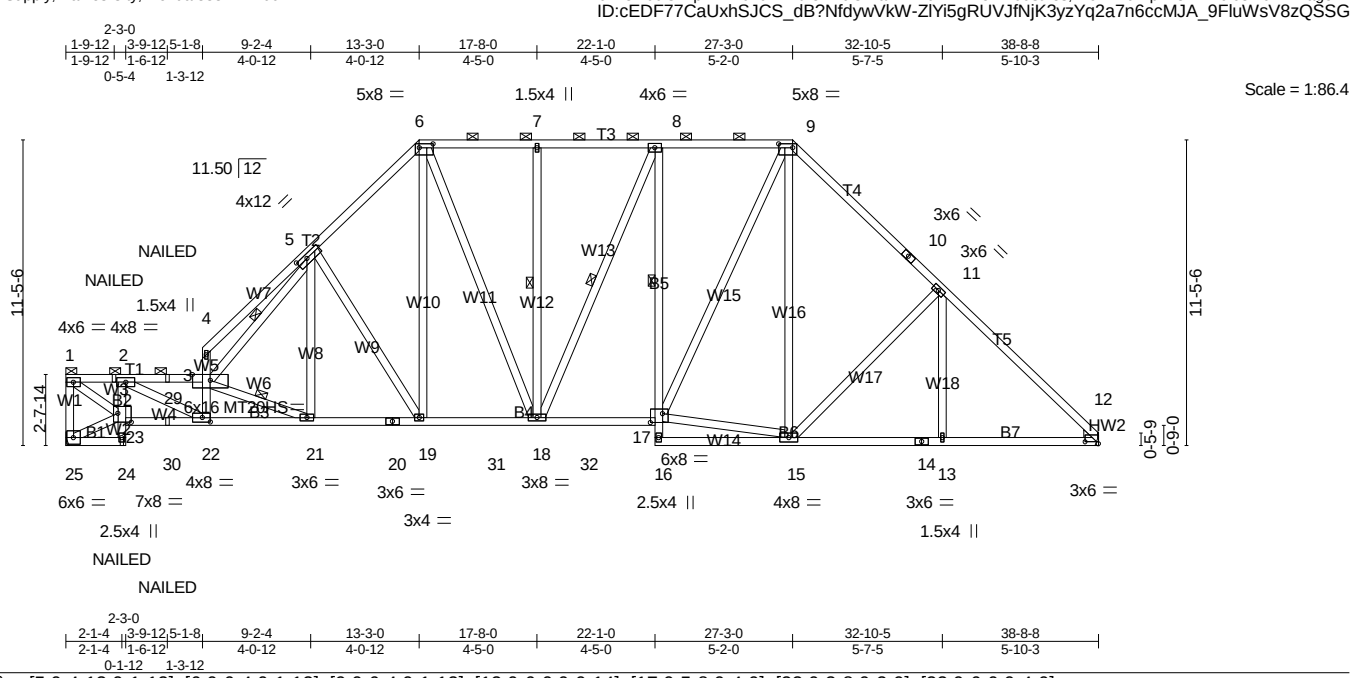

Plate Offsets (X,Y)-- [5:0-4-13,0-1-12], [6:0-6-4,0-1-12], [9:0-6-4,0-1-12], [12:0-6-0,0-0-14], [17:0-5-8,0-4-0], [22:0-3-8,0-2-0], [23:0-6-0,0-4-0]

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	0.46	Vert(LL)	0.23	21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.40	21-22	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.16	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 321 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
W4,W5: 2x4 SP No.1
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins, except end verticals, and 2-0-0 oc purlins (2-8-10 max.): 1-3, 6-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 23-24
8-5-5 oc bracing: 22-23
6-0-7 oc bracing: 21-22.
1 Row at midpt 8-17
WEBS 1 Row at midpt 7-18, 8-18, 3-21, 3-5

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

REACTIONS. (lb/size) 25=1542/Mechanical, 12=1543/Mechanical
Max Horz 25=407(LC 7)
Max Uplift25=-476(LC 8), 12=-436(LC 8)
Max Grav 25=1641(LC 36), 12=1557(LC 37)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-1706/397, 1-2=-2287/516, 2-29=-5025/1311, 3-29=-5030/1310, 4-5=-495/210, 5-6=-1958/731, 6-7=-1483/640, 7-8=-1483/640, 8-9=-1452/641, 9-10=-1599/671, 10-11=-1707/628, 11-12=-2016/599
BOT CHORD 2-23=-1234/429, 23-30=-555/2747, 22-30=-556/2741, 21-22=-1086/5035, 20-21=-375/2003, 19-20=-375/2003, 19-31=-247/1529, 18-31=-247/1529, 18-32=-230/1565, 17-32=-229/1570, 8-17=-381/249, 14-15=-291/1379, 13-14=-291/1379, 12-13=-291/1379
WEBS 23-25=-463/345, 1-23=-629/2792, 2-22=-850/2900, 3-22=-1484/483, 3-4=-420/183, 5-21=-255/1230, 5-19=-878/377, 6-19=-264/863, 6-18=-231/480, 7-18=-279/166, 15-17=-115/1154, 9-17=-254/869, 9-15=-153/331, 11-15=-499/330, 3-21=-3239/854, 3-5=-2296/601

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=28ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 25=476, 12=436.

Continued on page 2

NOTES-

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) "NAILED" indicates 3-10d Nails (0.148" x 3") toe-nails per NDS guidelines.
11) 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

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 4-6=-60, 6-9=-60, 9-12=-60, 24-25=-20, 17-23=-20, 16-26=-20

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T14	Piggyback Base	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Sep 25 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:06 2021 Page 1

ID:cEDF77CaUxhSJCS_dB?NfdywVkW-1x64I0R7GdoELUe8WGLH6LKGf0o0vUGPzYGP1azQSSF

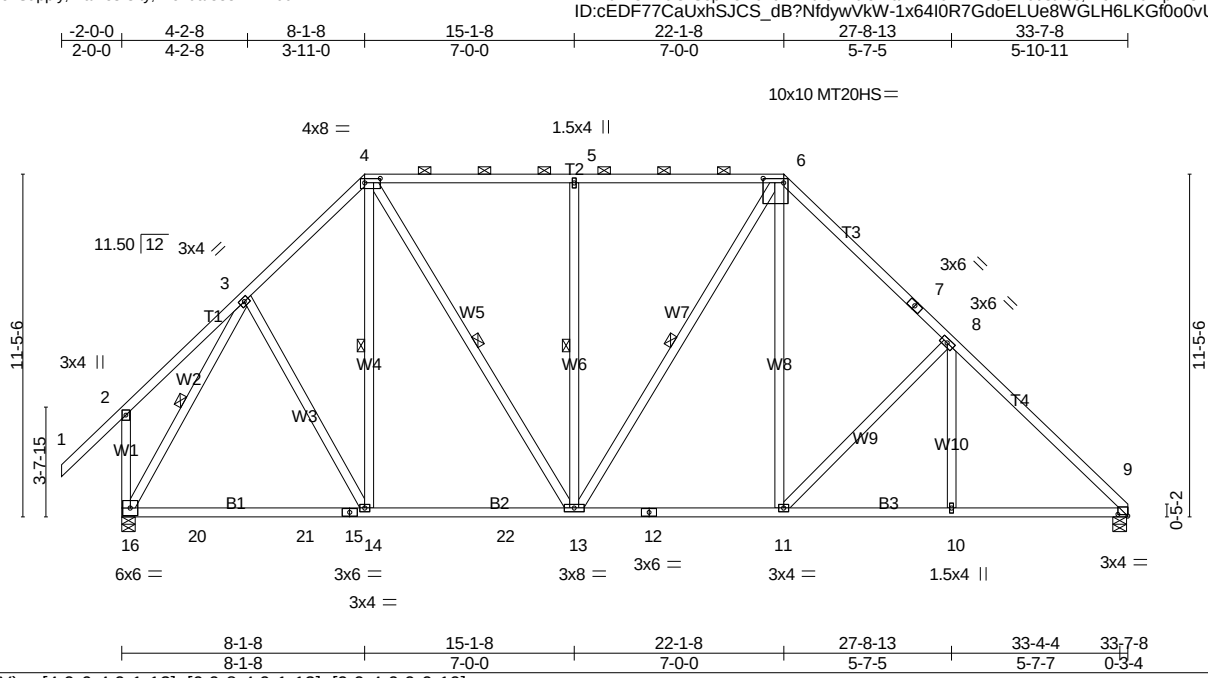

Plate Offsets (X,Y)-- [4:0-6-4,0-1-12], [6:0-8-4,0-1-12], [9:0-4-0,0-0-10]

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	0.57	Vert(LL)	-0.12	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.22	14-16	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 251 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, except end verticals, and 2-0-0 oc purlins (5-8-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 4-13, 5-13, 6-13, 3-16

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

REACTIONS. (lb/size) 16=1472/0-5-8 (min. 0-1-14), 9=1335/0-5-8 (min. 0-1-11)
Max Horz 16=465(LC 11)
Max Uplift 16=-526(LC 12), 9=-392(LC 12)
Max Grav 16=1612(LC 17), 9=1419(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-307/396, 3-4=-1244/799, 4-5=-1147/824, 5-6=-1147/824, 6-7=-1410/888, 7-8=-1515/845, 8-9=-1807/828, 2-16=-471/547
BOT CHORD 16-20=-242/950, 20-21=-242/950, 15-21=-242/950, 14-15=-242/950, 14-22=-177/1026, 13-22=-177/1026, 12-13=-114/1051, 11-12=-114/1051, 10-11=-424/1195, 9-10=-424/1195
WEBS 3-14=-51/384, 4-13=-274/630, 5-13=-472/391, 6-13=-192/335, 6-11=-226/576, 8-11=-648/441, 3-16=-1398/441

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-6-2, Exterior(2) 4-6-2 to 33-7-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=526, 9=392.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T15	Piggyback Base	6	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Sep 25 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:07 2021 Page 1

ID:cEDF77CaUxhSJCS_dB?NfdywVkW-V7fSWMSl1xw5zeDK4zsWfYsRPP7Few8YCC?zZ0zQSSE

-2-0-0	4-2-8	8-1-8	15-1-8	22-1-8	27-8-13	33-7-8	35-7-8
2-0-0	4-2-8	3-11-0	7-0-0	7-0-0	5-7-5	5-10-11	2-0-0

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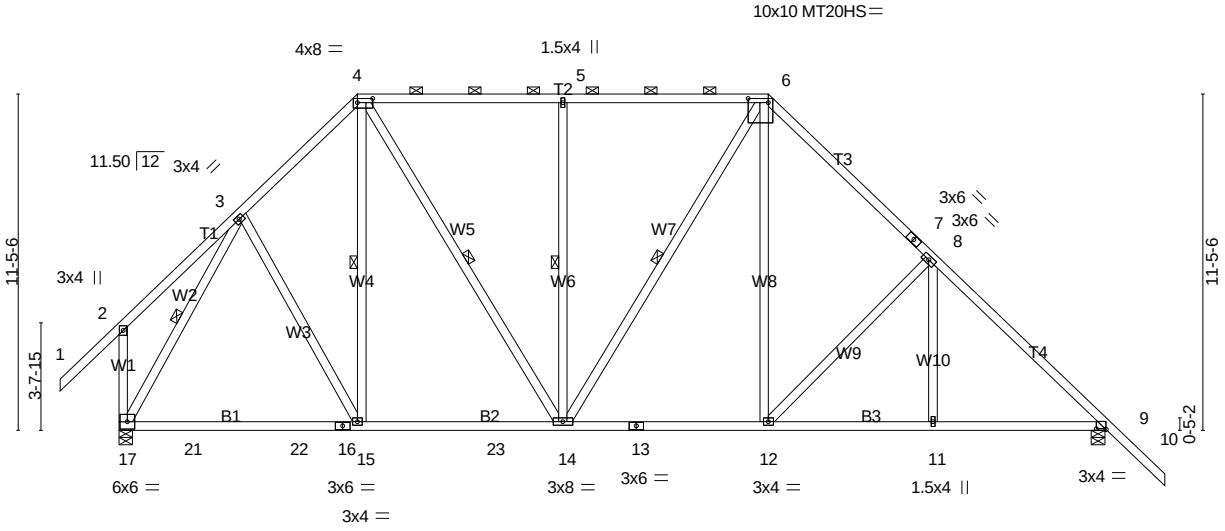

8-1-8	15-1-8	22-1-8	27-8-13	33-4-4	33-7-8
8-1-8	7-0-0	7-0-0	5-7-5	5-7-7	0-3-4

Plate Offsets (X,Y)-- [4:0-6-4,0-1-12], [6:0-8-4,0-1-12], [9:0-4-0,0-0-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.12	15-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.22	15-17	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 255 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, except end verticals, and 2-0-0 oc purlins (5-8-4 max.): 4-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-15, 4-14, 5-14, 6-14, 3-17

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

REACTIONS. (lb/size) 17=1468/0-5-8 (min. 0-1-14), 9=1459/0-5-8 (min. 0-1-13)
Max Horz 17=496(LC 11)
Max Uplift 17=-516(LC 12), 9=-518(LC 12)
Max Grav 17=1611(LC 17), 9=1548(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-306/395, 3-4=-1243/792, 4-5=-1150/815, 5-6=-1150/815, 6-7=-1398/871, 7-8=-1501/828, 8-9=-1779/794, 2-17=-470/545
BOT CHORD 17-21=-173/986, 21-22=-173/986, 16-22=-173/986, 15-16=-173/986, 15-23=-107/1061, 14-23=-107/1061, 13-14=-25/1086, 12-13=-25/1086, 11-12=-295/1207, 9-11=-295/1207
WEBS 3-15=-50/382, 4-14=-261/624, 5-14=-472/389, 6-14=-194/336, 6-12=-209/585, 8-12=-667/408, 3-17=-1393/429

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-6-2, Exterior(2) 4-6-2 to 35-7-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=516, 9=518.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T16	GABLE	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:09 2021 Page 1

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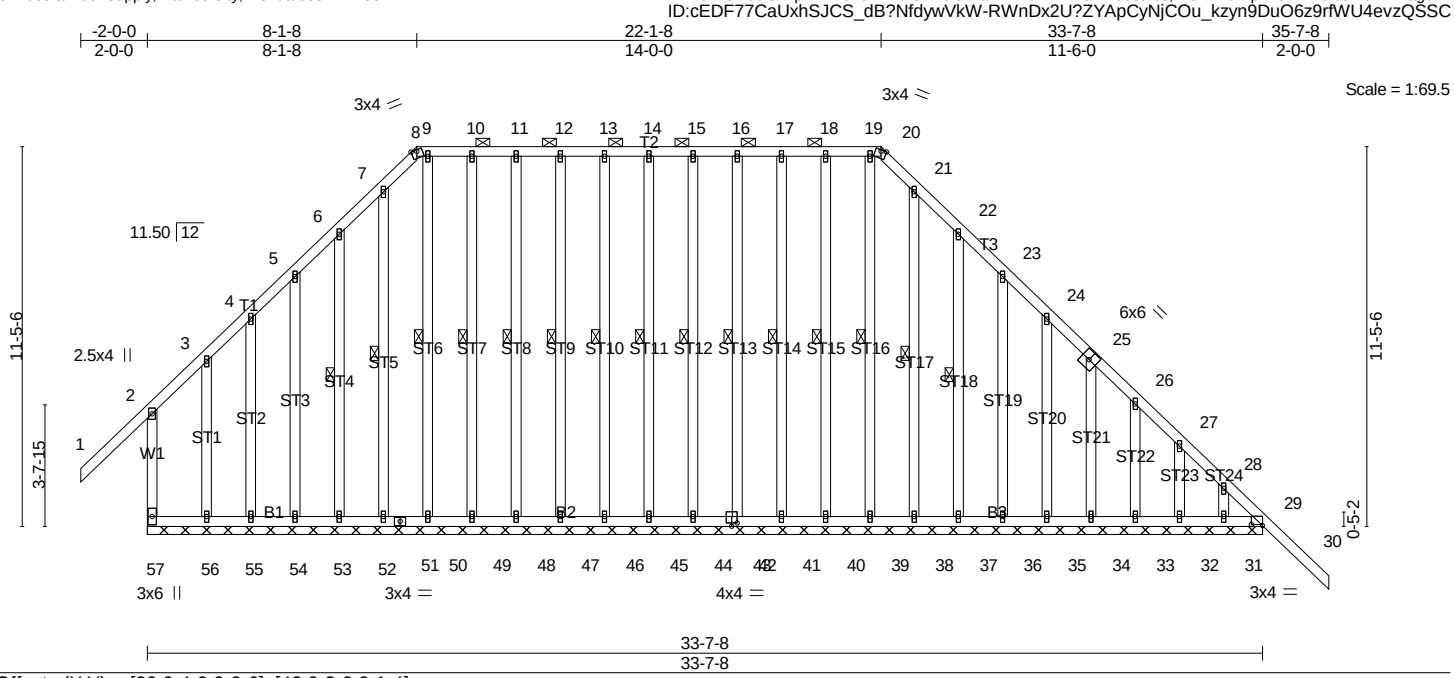

Plate Offsets (X,Y)-- [29:0-4-0,0-0-6], [42:0-2-0,0-1-4]

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	0.55	Vert(LL)	-0.02	30	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.04	30	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	-0.02	29	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 423 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (9-4-6 max.): 8-20.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-53, 7-52, 9-50, 10-49, 11-48, 12-47, 13-46, 14-45, 15-44, 16-42, 17-41, 18-40, 19-39, 21-38, 22-37

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

REACTIONS. All bearings 33-7-8.

(lb) - Max Horz 57=497(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 56, 54, 50, 49, 48, 47, 46, 45, 44, 42, 41, 40, 38, 36, 35, 34, 33, 31 except 57=-407(LC 12), 55=-108(LC 12), 53=-120(LC 12), 39=-115(LC 10), 37=-121(LC 12), 32=-153(LC 12), 29=-362(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 56, 55, 54, 53, 52, 49, 48, 47, 46, 45, 44, 42, 41, 40, 38, 37, 36, 35, 34, 33, 32, 31 except 57=272(LC 17), 50=307(LC 12), 39=307(LC 12), 29=408(LC 17)

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

TOP CHORD 2-57=-374/562, 2-3=-209/387, 3-4=-221/356, 4-5=-323/486, 5-6=-411/592, 6-7=-518/722, 7-8=-515/704, 8-9=-433/596, 9-10=-433/596, 10-11=-433/596, 11-12=-433/596, 12-13=-433/596, 13-14=-433/596, 14-15=-433/596, 15-16=-433/596, 16-17=-433/596, 17-18=-433/596, 18-19=-433/596, 19-20=-433/596, 20-21=-515/704, 21-22=-518/722, 22-23=-410/591, 23-24=-393/485, 24-25=-423/424, 25-26=-452/469, 26-27=-479/511, 27-28=-515/567, 28-29=-529/580

BOT CHORD 56-57=-475/439, 55-56=-475/439, 54-55=-475/439, 53-54=-475/439, 52-53=-475/439, 51-52=-475/439, 50-51=-475/439, 49-50=-475/439, 48-49=-475/439, 47-48=-475/439, 46-47=-475/439, 45-46=-475/439, 44-45=-475/439, 43-44=-475/439, 42-43=-475/439, 41-42=-475/439, 40-41=-475/439, 39-40=-475/439, 38-39=-475/439, 37-38=-475/439, 36-37=-475/439, 35-36=-475/439, 34-35=-475/439, 33-34=-474/439, 32-33=-474/439, 31-32=-474/439, 29-31=-474/439

WEBS 3-56=-278/51, 9-50=-353/238, 19-39=-353/238

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-5-8, Exterior(2) 4-5-8 to 8-1-8, Corner(3) 8-1-8 to 14-7-10, Exterior(2) 14-7-10 to 22-1-8, Corner(3) 22-1-8 to 28-6-1, Exterior(2) 28-6-1 to 35-7-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Continued on page 2

NOTES-

3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 56, 54, 50, 49, 48, 47, 46, 45, 44, 42, 41, 40, 38, 36, 35 , 34, 33, 31 except (jt=lb) 57=407, 55=108, 53=120, 39=115, 37=121, 32=153, 29=362.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T17	Common Girder	1	2	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:12 2021 Page 1
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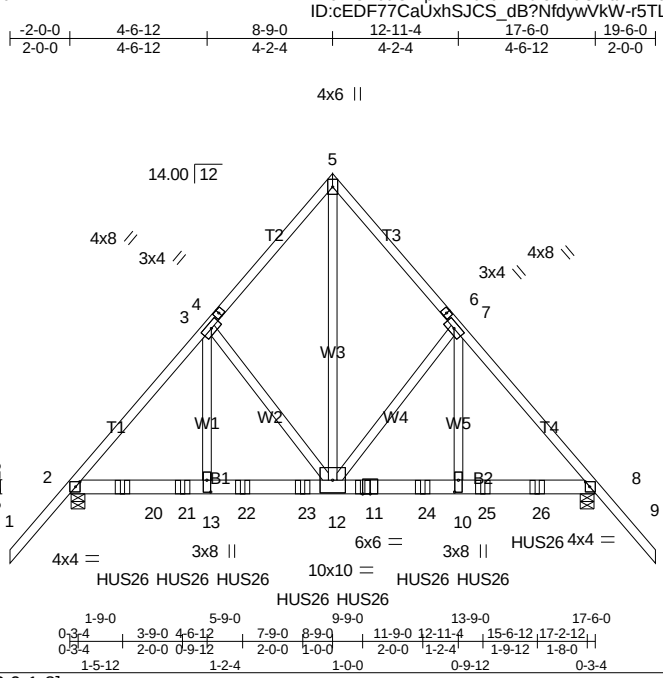

Plate Offsets (X,Y)-- [10:0-4-12,0-1-8], [13:0-4-12,0-1-8]

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	0.42	Vert(LL)	0.10	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.15	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 279 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
W3: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=6042/0-5-8 (min. 0-3-1), 8=6630/0-5-8 (min. 0-3-6)
Max Horz 2=553(LC 7)
Max Uplift2=-2045(LC 8), 8=-2228(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6607/2132, 3-4=-4685/1675, 4-5=-4667/1713, 5-6=-4668/1714, 6-7=-4686/1676, 7-8=-7225/2312
BOT CHORD 2-20=-1430/4268, 20-21=-1430/4268, 13-21=-1430/4268, 13-22=-1430/4268, 22-23=-1430/4268, 12-23=-1430/4268, 11-12=-1346/4675, 11-24=-1346/4675, 10-24=-1346/4675, 10-25=-1346/4675, 25-26=-1346/4675, 8-26=-1346/4675
WEBS 5-12=-2442/6720, 7-12=-2741/1022, 7-10=-1149/3828, 3-12=-2082/830, 3-13=-862/2846

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 0-7-0 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 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=26ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=2045, 8=2228.
8) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-9-0 from the left end to 15-6-12 to connect truss(es) T06 (1 ply 2x4 SP), T07 (1 ply 2x4 SP), T08 (1 ply 2x4 SP), T09 (1 ply 2x4 SP), T10 (1 ply 2x4 SP), T11 (1 ply 2x4 SP), T12 (1 ply 2x4 SP), T13 (1 ply 2x4 SP) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

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=-60, 5-9=-60, 14-17=-20
   Concentrated Loads (lb)
      Vert: 11=-1522(F) 20=-1186(F) 21=-1201(F) 22=-1229(F) 23=-1326(F) 24=-1522(F) 25=-1522(F) 26=-1522(F)

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T18	Common	3	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:12 2021 Page 1

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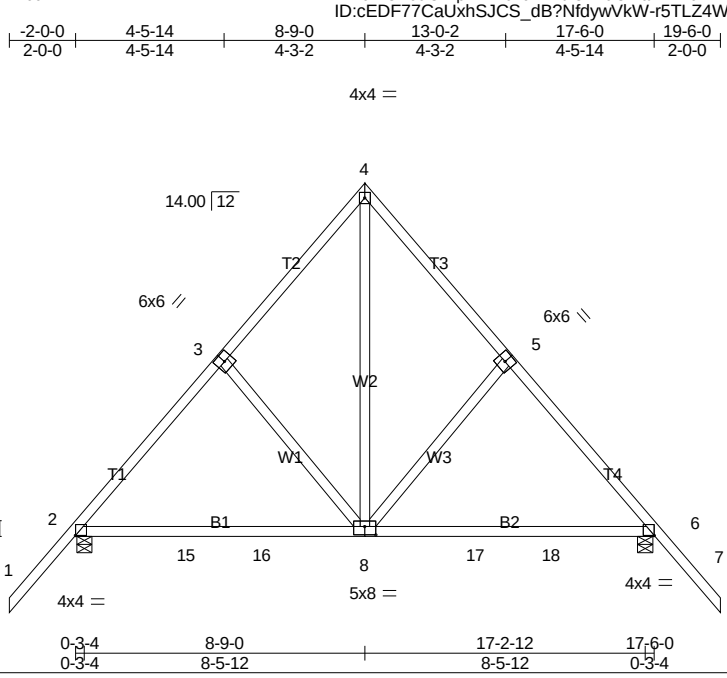

Plate Offsets (X,Y)-- [8:0-4-0,0-3-0]

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	0.50	Vert(LL)	-0.09	8-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.18	8-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 110 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 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) 2=820/0-5-8 (min. 0-1-8), 6=820/0-5-8 (min. 0-1-8)
Max Horz 2=553(LC 11)
Max Uplift2=-312(LC 12), 6=-312(LC 12)
Max Grav 2=829(LC 17), 6=829(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-792/336, 3-4=-809/440, 4-5=-809/440, 5-6=-792/336
BOT CHORD 2-15=-144/725, 15-16=-144/725, 8-16=-144/725, 8-17=0/564, 17-18=0/564, 6-18=0/564
WEBS 4-8=-441/902, 5-8=-471/381, 3-8=-471/381

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=26ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-4-12, Exterior(2) 4-4-12 to 8-9-0, Corner(3) 8-9-0 to 15-3-2, Exterior(2) 15-3-2 to 19-6-0 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 (jt=lb) 2=312, 6=312.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T19	Common Structural Gable	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Mar 22 2021 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:13 2021 Page 1

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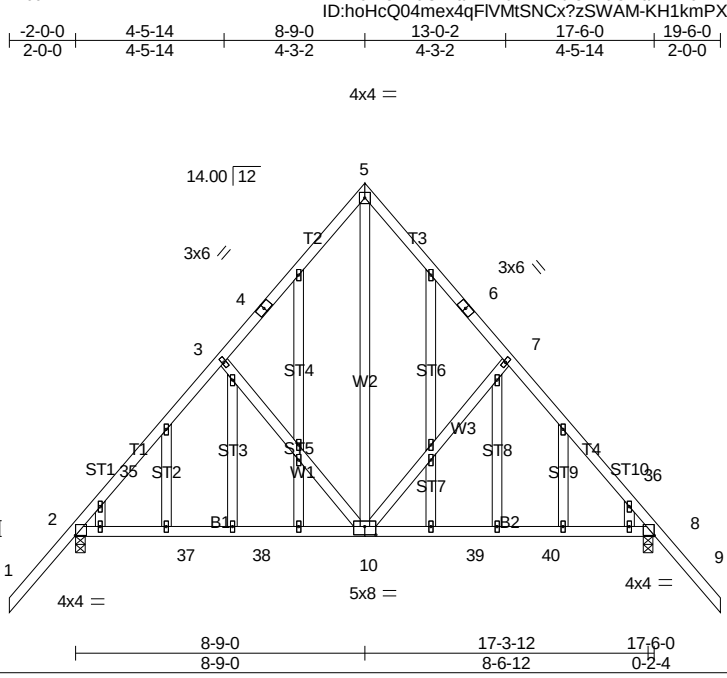

Plate Offsets (X,Y)-- [10:0-4-0,0-3-0]

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	0.49	Vert(LL)	-0.09	10-34	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.18	10-34	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 158 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	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) 2=820/0-3-8 (min. 0-1-8), 8=820/0-3-8 (min. 0-1-8)
Max Horz 2=509(LC 11)
Max Uplift2=-325(LC 12), 8=-325(LC 12)

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

TOP CHORD	2-35=-787/266, 3-35=-767/301, 3-4=-803/364, 4-5=-765/392, 5-6=-765/392, 6-7=-803/364, 7-36=-767/301, 8-36=-787/266
BOT CHORD	2-37=-116/702, 37-38=-116/702, 10-38=-116/702, 10-39=0/553, 39-40=0/553, 8-40=0/553
WEBS	5-10=-375/894, 7-10=-466/347, 3-10=-466/347

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 8-9-0, Exterior(2) 8-9-0 to 11-9-0, Interior(1) 11-9-0 to 19-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=325, 8=325.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T20	Piggyback Base Girder	1	2	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:16 2021 Page 1
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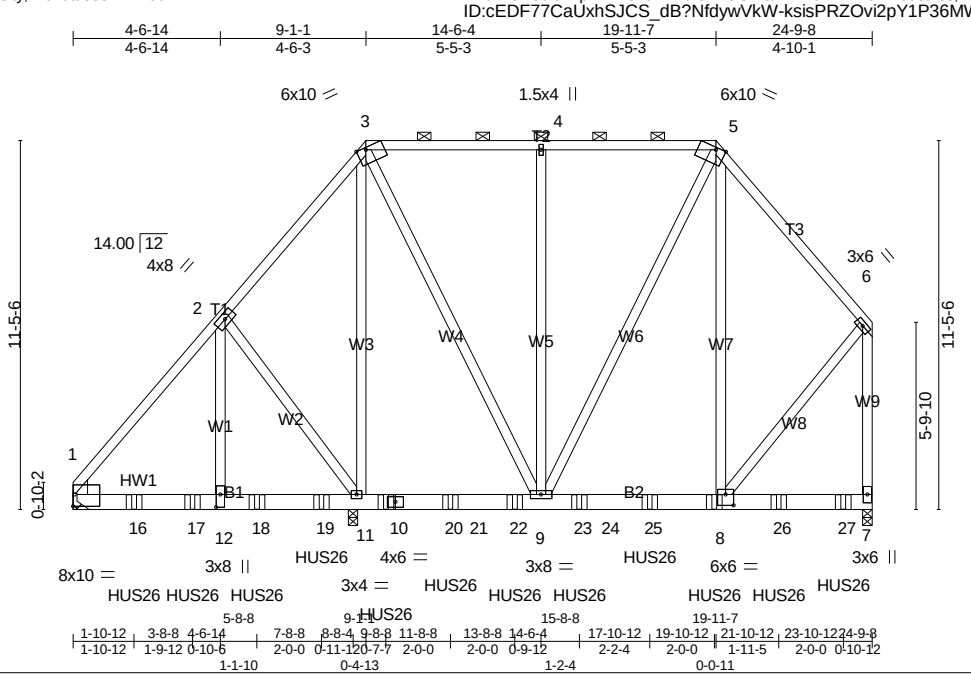

Plate Offsets (X,Y)-- [1:Edge,0-4-6], [3:0-3-9,Edge], [5:0-3-9,Edge], [8:0-3-0,0-4-0], [12:0-4-12,0-1-8]

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	0.40	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 453 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3
WEDGE
Left: 2x6 SP DSS

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-11.

REACTIONS. (lb/size) 11=4589/0-3-8 (min. 0-2-6), 1=3204/Mechanical, 7=3625/0-3-8 (min. 0-1-13)
Max Horz 1=-400(LC 30)
Max Uplift 11=-2112(LC 8), 1=-937(LC 8), 7=-1415(LC 8)
Max Grav 11=4752(LC 36), 1=3204(LC 1), 7=3625(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2740/837, 2-3=-344/324, 3-4=-621/613, 4-5=-621/613, 5-6=-1394/706, 6-7=-2067/956
BOT CHORD 1-16=-704/1826, 16-17=-704/1826, 12-17=-704/1826, 12-18=-704/1826, 18-19=-704/1826, 11-19=-704/1826, 9-23=-348/831, 23-24=-348/831, 24-25=-348/831, 8-25=-348/831
WEBS 2-12=-1009/3859, 2-11=-2783/1012, 3-11=-996/538, 3-9=-717/1082, 4-9=-377/219, 5-9=-733/90, 5-8=-391/1326, 6-8=-539/1292

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 0-7-0 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 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=31ft; B=83ft; L=65ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=2112, 1=937, 7=1415.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-2-4 oc max. starting at 1-10-12 from the left end to 23-10-12 to connect truss(es) T13 (1 ply 2x4 SP), T12 (1 ply 2x4 SP), T11 (1 ply 2x4 SP), T10 (1 ply 2x4 SP), T09 (1 ply 2x4 SP), T08 (1 ply 2x4 SP), T07 (1 ply 2x4 SP), T06 (1 ply 2x4 SP), T05 (1 ply 2x4 SP), T04 (1 ply 2x4 SP), T03 (1 ply 2x4 SP) to front face of bottom chord.

Continued on page 2

NOTES-

12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-5=-60, 5-6=-60, 7-13=-20
   Concentrated Loads (lb)
      Vert: 10=171(F) 8=-373(F) 16=-1522(F) 17=-1522(F) 18=-1522(F) 19=-1522(F) 20=16(F) 22=-15(F) 23=132(F) 25=-374(F) 26=-1455(F) 27=-1458(F)

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T22	Piggyback Base	2	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:17 2021 Page 1
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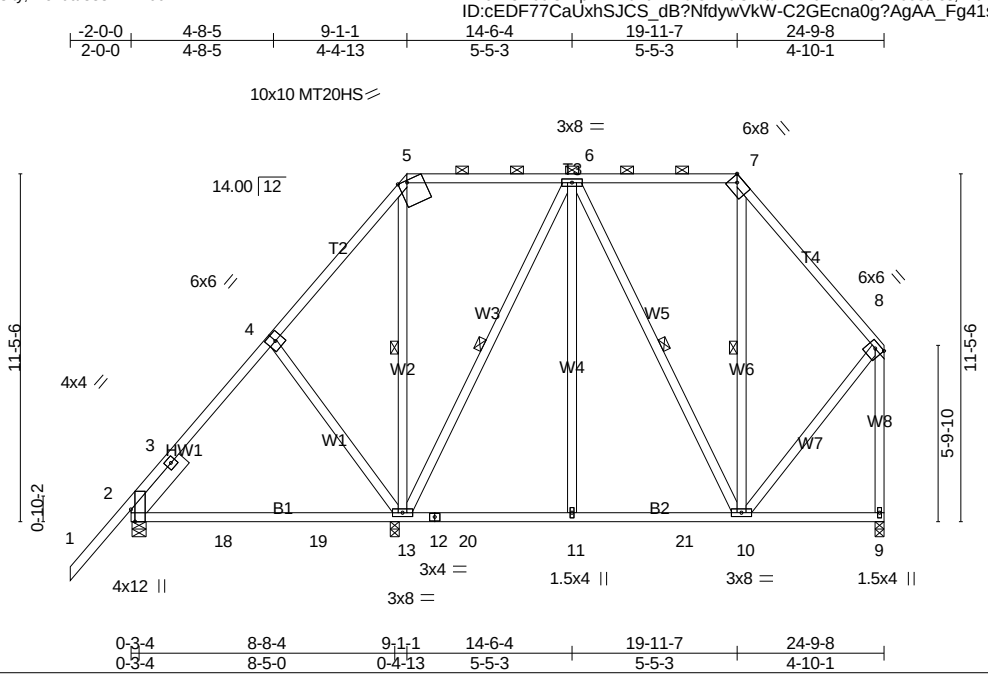

Scale = 1:75.8

Plate Offsets (X,Y)-- [2:0-4-12,Edge], [5:0-3-9,Edge], [7:0-2-11,Edge]

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	0.53	Vert(LL)	-0.12	13-16	>929	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.21	13-16	>501	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 209 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP DSS - 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-13, 6-13, 6-10, 7-10

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

REACTIONS. (lb/size) 2=553/0-5-8 (min. 0-1-8), 13=876/0-3-8 (min. 0-1-8), 9=663/0-3-8 (min. 0-1-8)
Max Horz 2=-445(LC 10)
Max Uplift 2=-148(LC 12), 13=-384(LC 12), 9=-172(LC 12)
Max Grav 2=613(LC 17), 13=990(LC 17), 9=710(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-874/0, 3-4=-408/97, 4-5=-480/229, 5-6=-385/268, 6-7=-419/339, 7-8=-475/296, 8-9=-679/321
BOT CHORD 2-18=-199/436, 18-19=-199/436, 13-19=-199/436, 12-13=-91/382, 12-20=-91/382, 11-20=-91/382, 11-21=-91/382, 10-21=-91/382
WEBS 4-13=-495/391, 6-13=-540/249, 6-11=0/291, 6-10=-262/121, 8-10=-59/417

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-7-12, Exterior(2) 4-7-12 to 24-7-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=148, 13=384, 9=172.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T23	GABLE	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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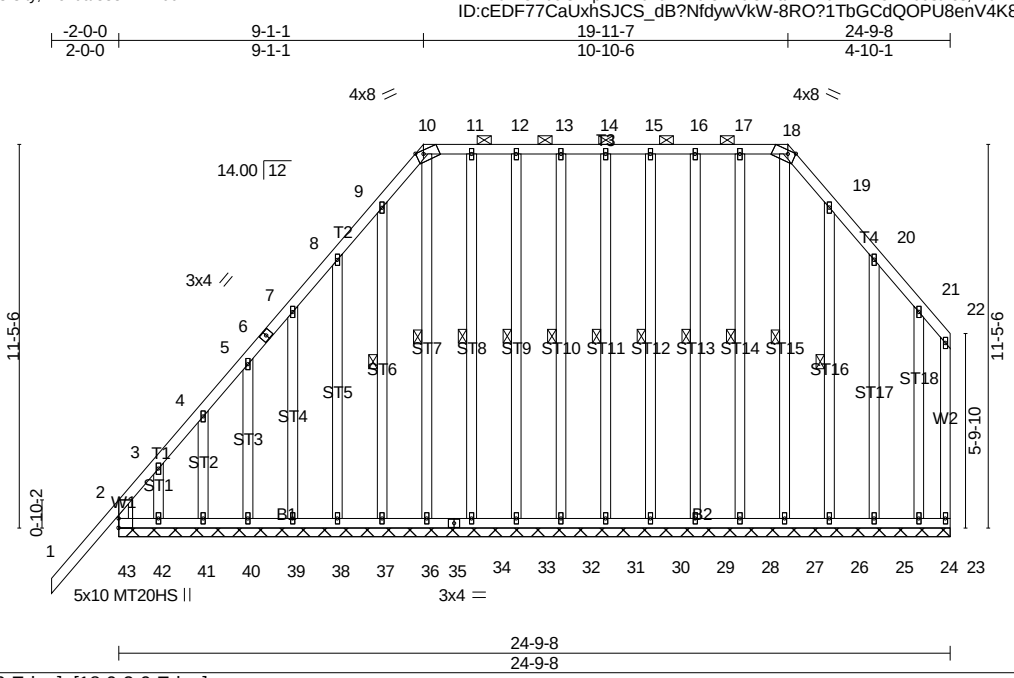

Plate Offsets (X,Y)-- [10:0-2-9,Edge], [18:0-2-9,Edge]

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	0.74	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.02	1	n/r	120	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	23	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 329 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 10-18.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-37, 10-36, 11-34, 12-33, 13-32, 14-31, 15-30, 16-29, 17-28, 18-27, 19-26

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

REACTIONS. All bearings 24-9-8.
(lb) - Max Horz 43=-442(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 23, 37, 34, 33, 32, 31, 30, 29, 28, 27, 26 except 43=-477(LC 10), 42=-252(LC 9), 41=-132(LC 12), 40=-118(LC 12), 39=-117(LC 12), 38=-134(LC 12), 36=-121(LC 11), 25=-138(LC 12), 24=-104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 23, 41, 40, 39, 38, 37, 36, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24 except 43=600(LC 18), 42=317(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-43=-477/454, 2-3=-545/604, 3-4=-460/520, 4-5=-426/452, 5-6=-386/371, 6-7=-375/383, 7-8=-346/314, 8-9=-311/299, 9-10=-346/401, 10-11=-267/314, 11-12=-266/314, 12-13=-266/314, 13-14=-266/314, 14-15=-266/314, 15-16=-266/314, 16-17=-266/314, 17-18=-267/314, 18-19=-346/401, 19-20=-262/299
WEBS 3-42=-388/131

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-6-2, Exterior(2) 4-6-2 to 9-1-1, Corner(3) 9-1-1 to 15-10-4, Exterior(2) 15-10-4 to 19-11-7, Corner(3) 19-11-7 to 24-7-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 1-4-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.

Continued on page 2

NOTES-

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 37, 34, 33, 32, 31, 30, 29, 28, 27, 26 except (jt=lb) 43=477, 42=252, 41=132, 40=118, 39=117, 38=134, 36=121, 25=138, 24=104.

13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T24	Piggyback Base	2	1	Job Reference (optional)

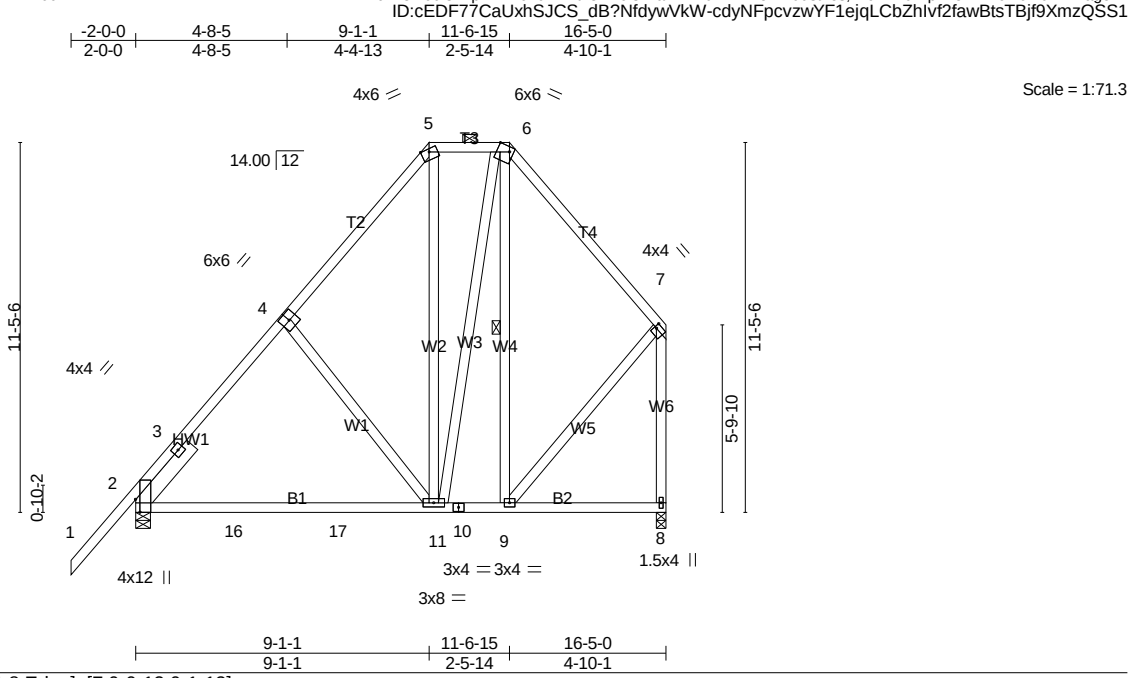

Plate Offsets (X,Y)-- [2:0-4-12,Edge], [6:0-4-8,Edge], [7:0-0-12,0-1-12]

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	0.57	Vert(LL)	-0.13	11-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.24	11-14	>808	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP DSS -˜ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-9

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

REACTIONS. (lb/size) 2=778/0-5-8 (min. 0-1-8), 8=643/0-3-8 (min. 0-1-8)
Max Horz 2=-445(LC 10)
Max Uplift2=-283(LC 12), 8=-223(LC 12)
Max Grav 2=794(LC 17), 8=711(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-981/0, 3-4=-635/298, 4-5=-656/427, 5-6=-510/411, 6-7=-510/349, 7-8=-694/392
BOT CHORD 2-16=-326/576, 16-17=-326/576, 11-17=-326/576, 10-11=-47/262, 9-10=-47/262
WEBS 4-11=-518/432, 5-11=-168/323, 6-11=-146/461, 6-9=-315/80, 7-9=-74/399

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-7-12, Exterior(2) 4-7-12 to 16-3-4 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=283, 8=223.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T25	GABLE	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:21 2021 Page 1
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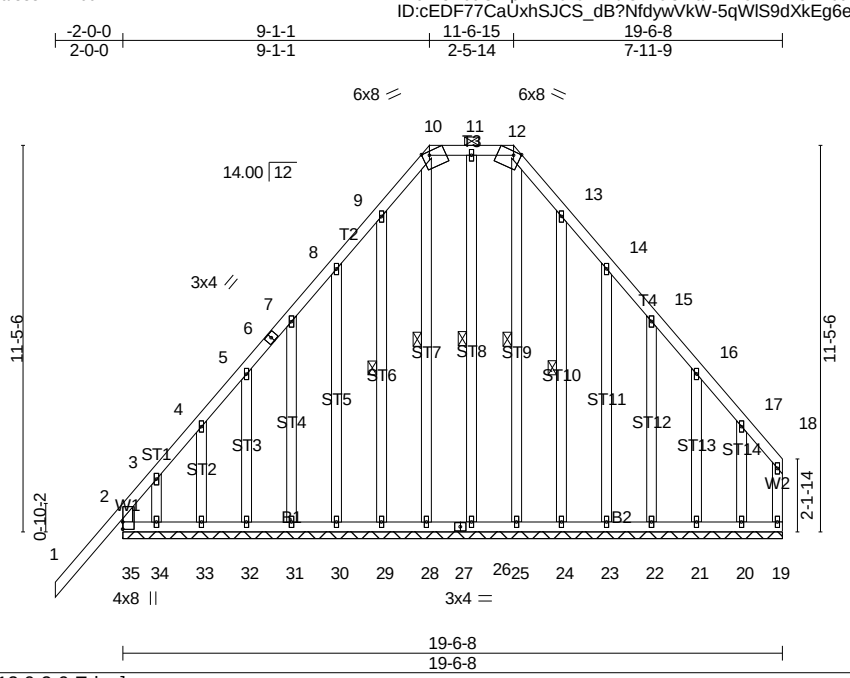


Plate Offsets (X,Y)-- [10:0-2-9,Edge], [12:0-2-9,Edge]

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	0.66	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.02	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.00	19	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 222 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 10-12.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-29, 10-28, 11-26, 12-25, 13-24

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

REACTIONS. All bearings 19-6-8.
(lb) - Max Horz 35=-500(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 29, 26, 25, 24 except 35=-556(LC 10), 19=-130(LC 11), 34=-299(LC 11), 33=-144(LC 12), 32=-114(LC 12), 31=-116(LC 12), 30=-136(LC 12), 28=-165(LC 11), 23=-134(LC 12), 22=-120(LC 12), 21=-102(LC 12), 20=-216(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 19, 33, 32, 31, 30, 29, 26, 24, 23, 22, 21 except 35=724(LC 18), 34=351(LC 10), 28=285(LC 12), 25=287(LC 12), 20=272(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-35=-559/459, 2-3=-654/643, 3-4=-551/561, 4-5=-517/491, 5-6=-476/413, 6-7=-465/423, 7-8=-437/405, 8-9=-485/564, 9-10=-578/679, 10-11=-423/503, 11-12=-423/503, 12-13=-578/679, 13-14=-485/564, 14-15=-352/405, 15-16=-235/263
WEBS 3-34=-356/138, 10-28=-337/270, 12-25=-339/271

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 4-6-2, Exterior(2) 4-6-2 to 9-1-1, Corner(3) 9-1-1 to 18-4-0, Exterior(2) 18-4-0 to 19-4-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 29, 26, 25, 24 except (jt=lb) 35=556, 19=130, 34=299, 33=144, 32=114, 31=116, 30=136, 28=165, 23=134, 22=120, 21=102, 20=216.

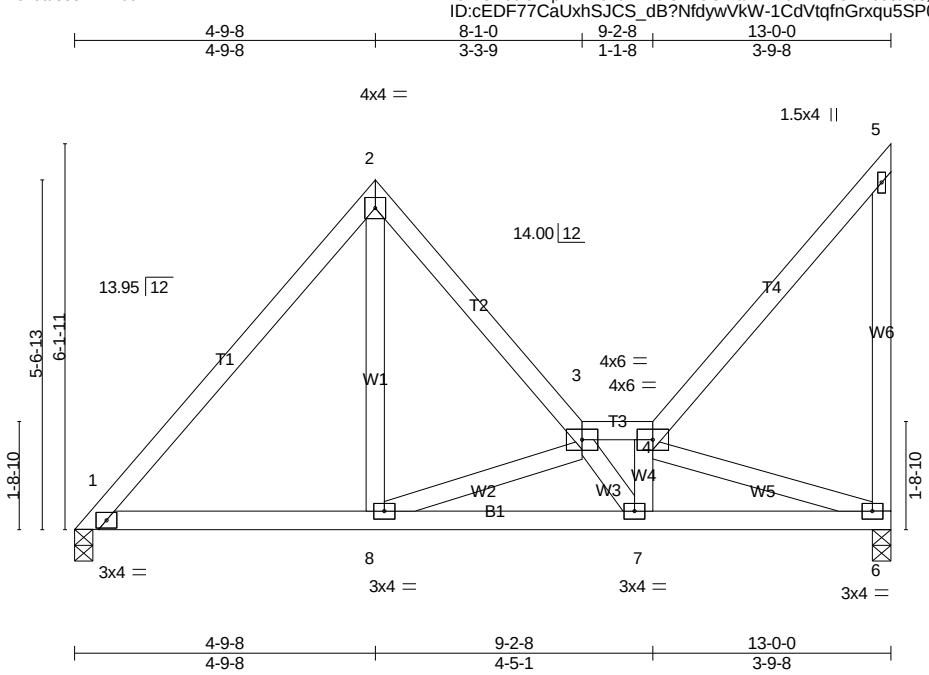
Continued on page 2

NOTES-

12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T26	Roof Special	1	1	Job Reference (optional)



*** Design Problems ***
REVIEW REQUIRED

Birdsmouth Heel Requires Review: 1
This truss has birdsmouthed heels

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)	0.04	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC	0.32	Vert(CT)	-0.05	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.32	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS							Weight: 78 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 9-5-7 oc bracing.

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

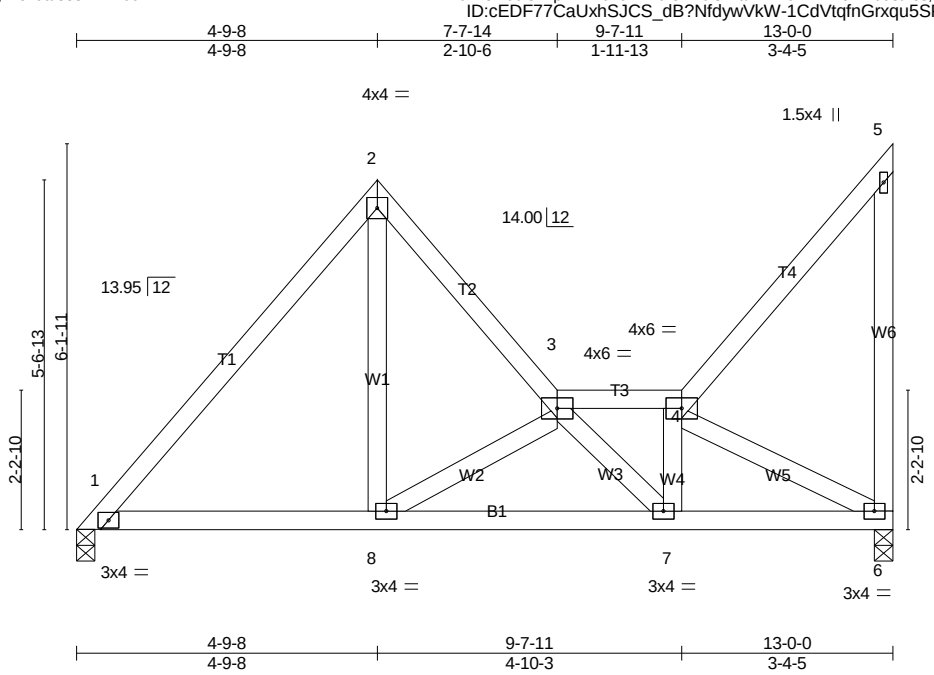
REACTIONS. (lb/size) 1=499/0-3-8 (min. 0-1-8), 6=499/0-3-8 (min. 0-1-8)
Max Horz 1=253(LC 12)
Max Uplift1=-78(LC 12), 6=-193(LC 12)
Max Grav 1=532(LC 17), 6=577(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-561/193, 2-3=-543/221, 3-4=-934/58
BOT CHORD 1-8=-293/440, 7-8=-438/1084, 6-7=-317/953
WEBS 2-8=-85/455, 3-8=-788/158, 4-6=-1013/330

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-4-10 to 8-1-0, Exterior(2) 8-1-0 to 12-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=193.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T27	Roof Special	1	1	Job Reference (optional)



*** Design Problems ***
REVIEW REQUIRED

Birdsmouth Heel Requires Review: 1
This truss has birdsmouthed heels

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	0.28	Vert(LL)	0.03	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.04	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 79 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 9-6-8 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=499/0-3-8 (min. 0-1-8), 6=499/0-3-8 (min. 0-1-8)
Max Horz 1=253(LC 12)
Max Uplift1=-79(LC 12), 6=-194(LC 12)
Max Grav 1=526(LC 17), 6=566(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-553/194, 2-3=-519/236, 3-4=-650/24
BOT CHORD 1-8=-293/431, 7-8=-428/831, 6-7=-252/651
WEBS 2-8=-106/458, 3-8=-579/163, 3-7=-282/245, 4-7=-100/265, 4-6=-751/285

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=83ft; L=65ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-4-10 to 7-7-14, Exterior(2) 7-7-14 to 12-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=194.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T28	Roof Special	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:24 2021 Page 1
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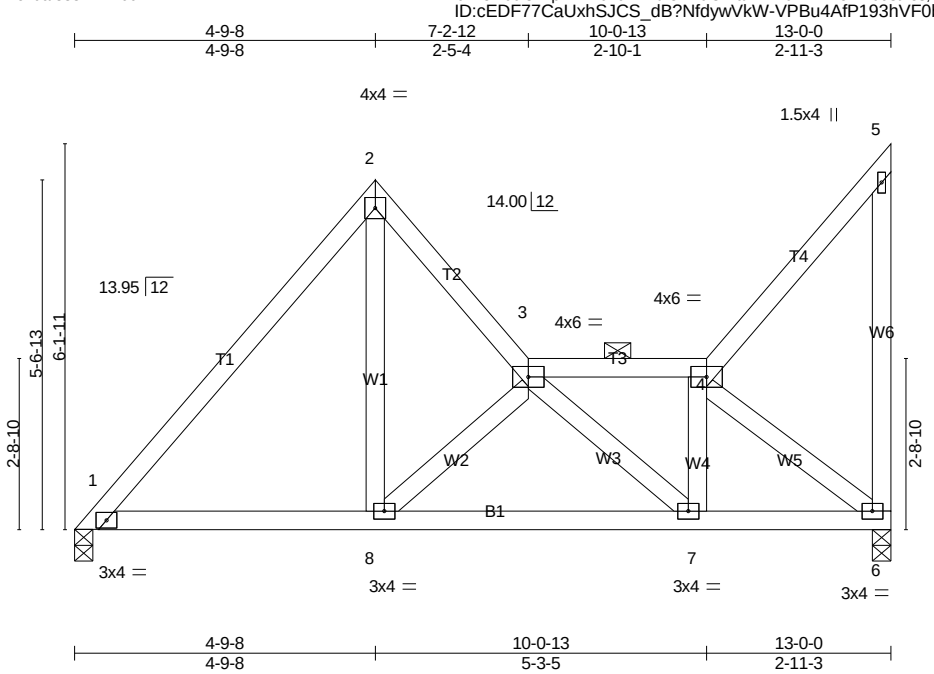

*** Design Problems ***
REVIEW REQUIRED

Birdsmouth Heel Requires Review: 1
This truss has birdsmouthed heels

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	0.28	Vert(LL)	0.04	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.04	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 80 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
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=499/0-3-8 (min. 0-1-8), 6=499/0-3-8 (min. 0-1-8)
Max Horz 1=254(LC 12)
Max Uplift1=-79(LC 12), 6=-195(LC 12)
Max Grav 1=521(LC 17), 6=555(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-547/181, 2-3=-508/238, 3-4=-475/0
BOT CHORD 1-8=-286/424, 7-8=-359/679, 6-7=-164/468
WEBS 2-8=-107/463, 3-8=-470/138, 3-7=-314/254, 4-7=-94/277, 4-6=-615/211

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=26ft; B=83ft; L=65ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-10 to 7-2-12, Interior(1) 7-2-12 to 12-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=195.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T29	Roof Special	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:25 2021 Page 1
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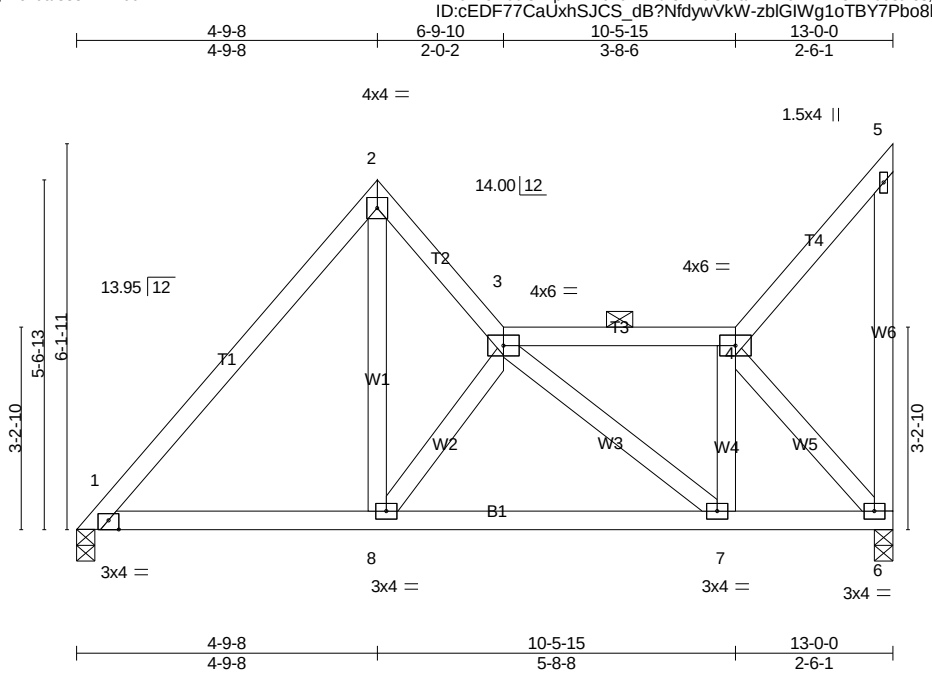


*** Design Problems ***
REVIEW REQUIRED

Birdsmouth Heel Requires Review: 1
This truss has birdsmouthed heels

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

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	0.28	Vert(LL)	0.04	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.04	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 82 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
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.

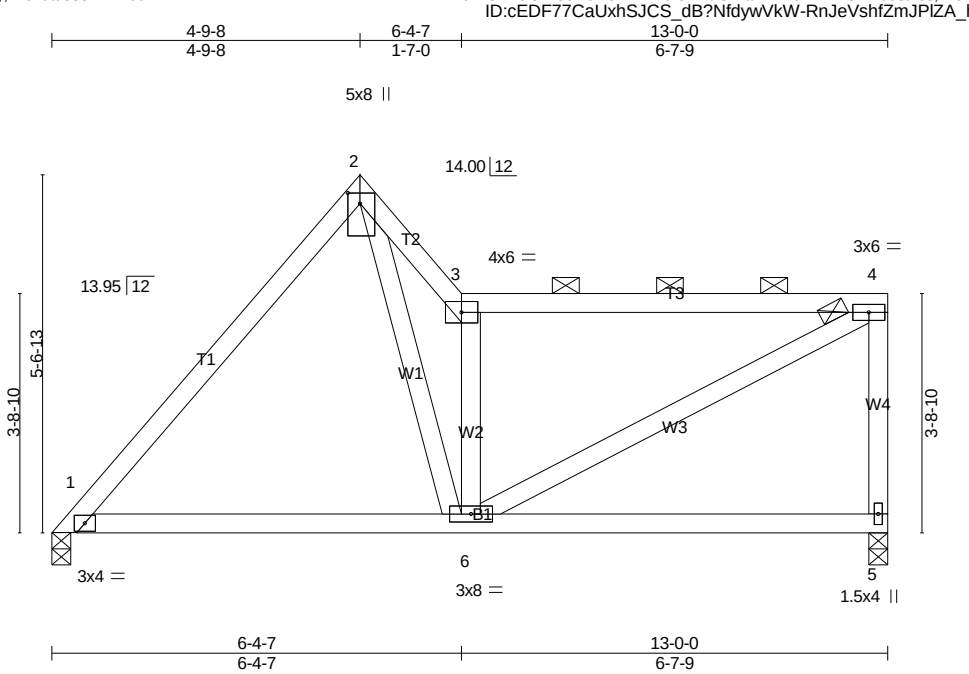
REACTIONS. (lb/size) 1=499/0-3-8 (min. 0-1-8), 6=499/0-3-8 (min. 0-1-8)
Max Horz 1=254(LC 12)
Max Uplift1=-79(LC 12), 6=-195(LC 12)
Max Grav 1=515(LC 17), 6=544(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-546/175, 2-3=-507/249, 3-4=-357/0
BOT CHORD 1-8=-281/417, 7-8=-344/591, 6-7=-132/346
WEBS 2-8=-120/476, 3-8=-416/140, 3-7=-335/269, 4-7=-92/286, 4-6=-549/204

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=26ft; B=83ft; L=65ft; eave=9ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-10 to 6-9-10, Interior(1) 6-9-10 to 12-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=195.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T30	Roof Special	1	1	Job Reference (optional)



*** Design Problems ***
REVIEW REQUIRED

Birdsmouth Heel Requires Review: 1
This truss has birdsmouthed heels

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

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	0.46	Vert(LL)	0.06	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.08	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 71 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
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.

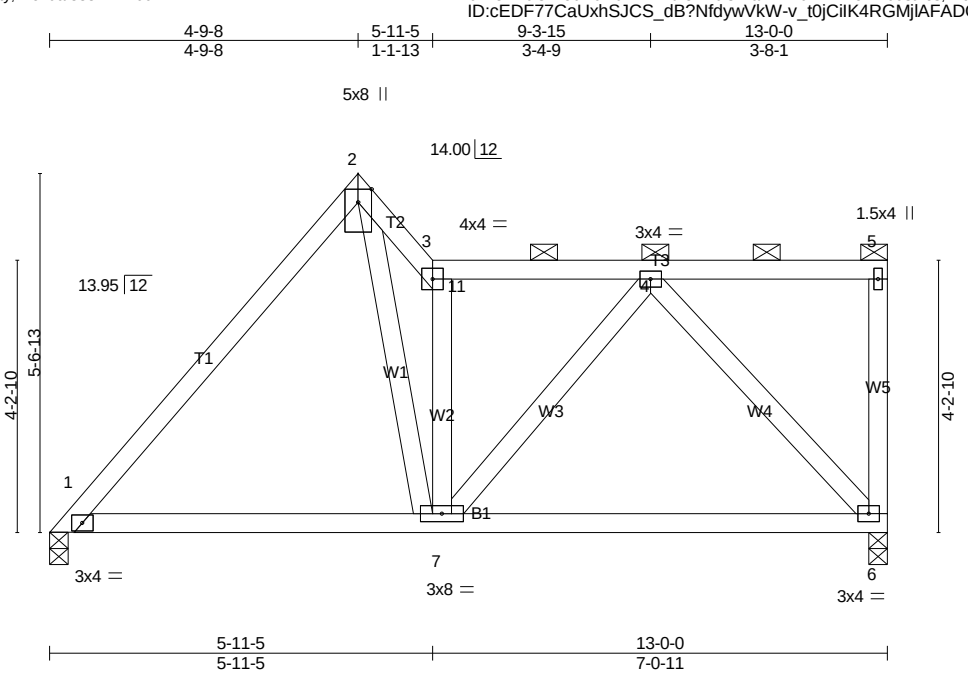
REACTIONS. (lb/size) 1=499/0-3-8 (min. 0-1-8), 5=499/0-3-8 (min. 0-1-8)
Max Horz 1=-170(LC 10)
Max Uplift1=-116(LC 12), 5=-159(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-497/235, 2-3=-857/598, 3-4=-512/321, 4-5=-443/353
BOT CHORD 1-6=-197/317
WEBS 2-6=-480/798, 3-6=-856/665, 4-6=-336/547

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=26ft; B=83ft; L=65ft; eave=11ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-10 to 6-4-7, Interior(1) 6-4-7 to 12-10-4 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=116, 5=159.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T31	Roof Special	1	1	Job Reference (optional)



*** Design Problems ***
REVIEW REQUIRED

Birdsmouth Heel Requires Review: 1
This truss has birdsmouthed heels

Plate Offsets (X,Y)-- [2:Edge,0-2-8]

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	0.29	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.10	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 76 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
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=499/0-3-8 (min. 0-1-8), 6=499/0-3-8 (min. 0-1-8)
Max Horz 1=178(LC 12)
Max Uplift1=-109(LC 12), 6=-166(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-528/226, 2-3=-636/403, 3-11=-439/275, 4-11=-439/275
BOT CHORD 1-7=-221/329, 6-7=-252/329
WEBS 2-7=-273/588, 3-7=-512/337, 4-6=-477/380

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=26ft; B=83ft; L=65ft; eave=9ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-10 to 5-11-5, Interior(1) 5-11-5 to 12-10-4 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=109, 6=166.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T32	Roof Special	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:27 2021 Page 1
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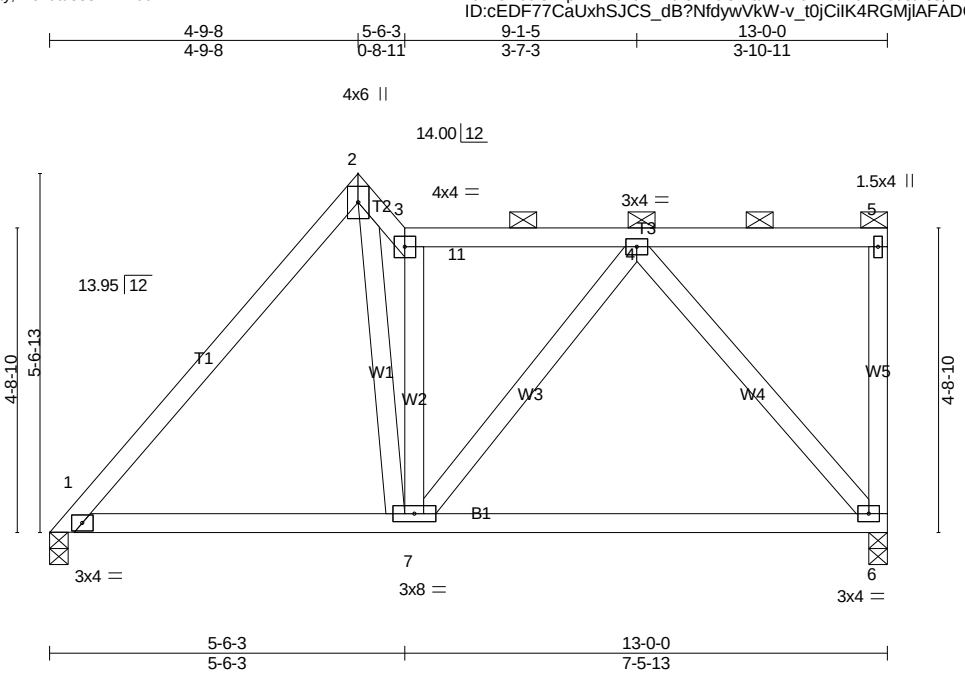

*** Design Problems ***
REVIEW REQUIRED

Birdsmouth Heel Requires Review: 1
This truss has birdsmouthed heels

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 0.28	Vert(LL) -0.07 6-7 >999 240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25	BC 0.33	Vert(CT) -0.13 6-7 >999 180		
BCLL	0.0 *	Rep Stress Incr YES	WB 0.29	Horz(CT) 0.01 6 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Weight: 79 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
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=499/0-3-8 (min. 0-1-8), 6=499/0-3-8 (min. 0-1-8)
Max Horz 1=201(LC 12)
Max Uplift1=-102(LC 12), 6=-175(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-539/213, 2-3=-479/292, 3-11=-399/260, 4-11=-399/260
BOT CHORD 1-7=-242/349, 6-7=-242/302
WEBS 2-7=-147/496, 3-7=-386/210, 4-6=-451/379

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=26ft; B=83ft; L=65ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-4-10 to 5-6-3, Interior(1) 5-6-3 to 12-10-4 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=102, 6=175.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T33	Common	3	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:28 2021 Page 1

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-2-0-0	5-1-15	8-8-8	12-3-1	17-5-0	19-5-0
2-0-0	5-1-15	3-6-9	3-6-9	5-1-15	2-0-0

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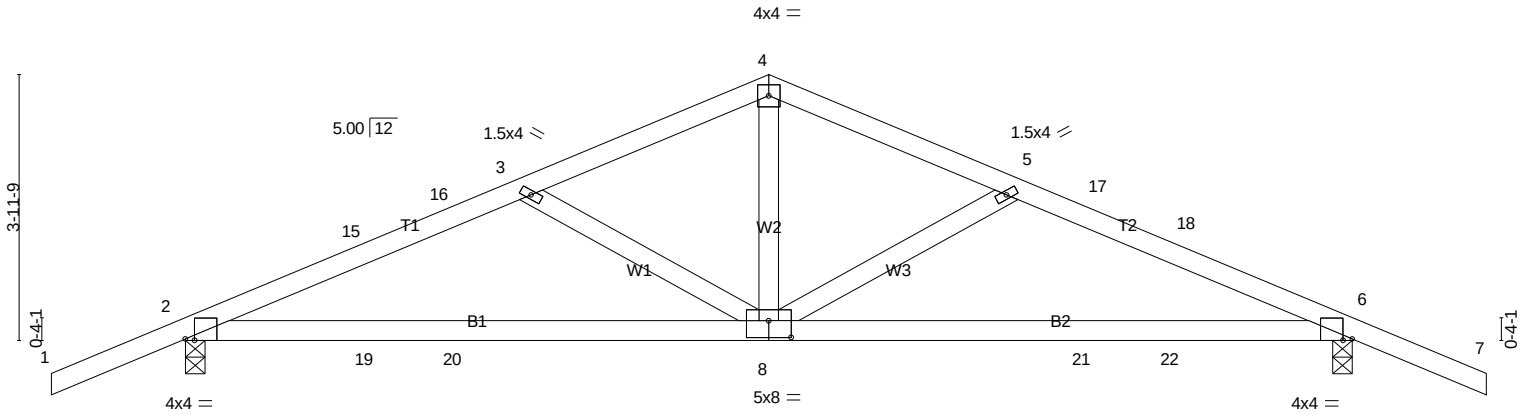

8-8-8	17-5-0
8-8-8	8-8-8

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

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	0.38	Vert(LL)	0.24	8-11	>868	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.18	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	-0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 78 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.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=817/0-3-8 (min. 0-1-8), 6=817/0-3-8 (min. 0-1-8)
Max Horz 2=-140(LC 10)
Max Uplift2=-507(LC 12), 6=-507(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1255/1602, 15-16=-1218/1606, 3-16=-1175/1617, 3-4=-962/1351, 4-5=-962/1351, 5-17=-1175/1616, 17-18=-1218/1606, 6-18=-1255/1602
BOT CHORD 2-19=-1370/1130, 19-20=-1370/1130, 8-20=-1370/1130, 8-21=-1388/1130, 21-22=-1388/1130, 6-22=-1388/1130
WEBS 4-8=-826/535, 5-8=-342/507, 3-8=-342/507

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=83ft; L=65ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 2-8-5, Exterior(2) 2-8-5 to 8-8-8, Corner(3) 8-8-8 to 13-4-13, Exterior(2) 13-4-13 to 19-5-0 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
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=507, 6=507.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T34	Hip Girder	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Sep 25 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:30 2021 Page 1
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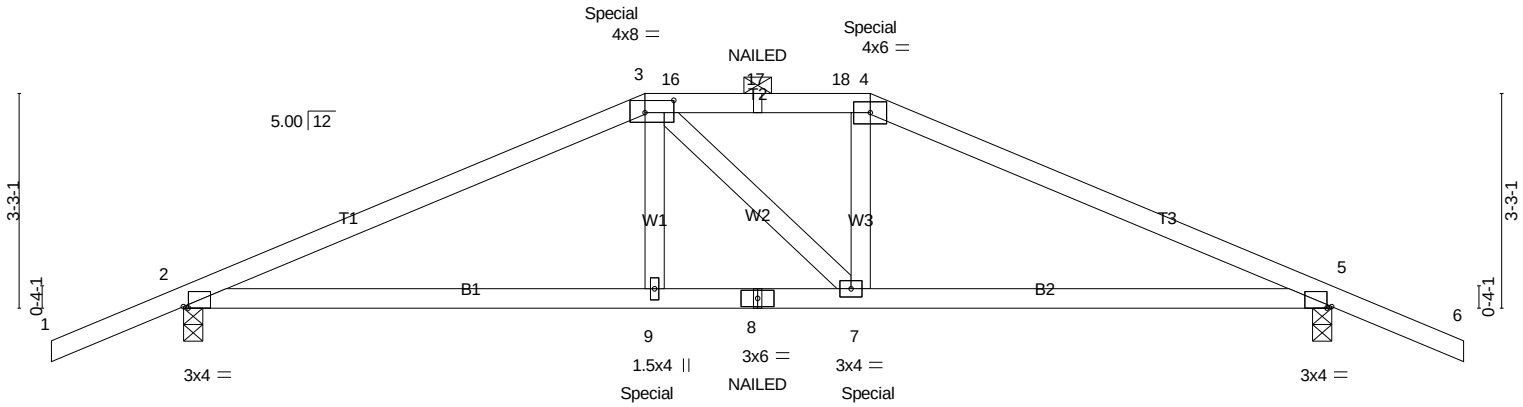
-2-0-0 2-0-0 | 7-0-0 7-0-0 | 10-5-0 3-5-0 | 17-5-0 7-0-0 | 19-5-0 2-0-0

Scale = 1:34.9



7-0-0 7-0-0 | 10-5-0 3-5-0 | 17-5-0 7-0-0

Plate Offsets (X,Y)-- [2:0-0-14,Edge], [3:0-5-4,0-2-4], [5:0-0-14,Edge]

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	0.77	Vert(LL)	0.19	9-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.19	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 74 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 2-10-4 oc purlins, except
2-0-0 oc purlins (3-10-6 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 5-1-1 oc bracing.

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

REACTIONS. (lb/size) 2=1404/0-3-8 (min. 0-1-11), 5=1404/0-3-8 (min. 0-1-11)
Max Horz 2=-118(LC 23)
Max Uplift2=-928(LC 8), 5=-928(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2665/1718, 3-16=-2415/1644, 16-17=-2415/1644, 17-18=-2415/1644, 4-18=-2415/1644, 4-5=-2667/1719
BOT CHORD 2-9=-1455/2391, 8-9=-1473/2414, 7-8=-1473/2414, 5-7=-1453/2392
WEBS 3-9=-371/566, 4-7=-374/567

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=83ft; L=65ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); porch left and right 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 20.0psf 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=928, 5=928.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) "NAILED" indicates 3-10d Nails (0.148" x 3") toe-nails per NDS guidelines.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 222 lb down and 257 lb up at 7-0-0, and 222 lb down and 257 lb up at 10-5-0 on top chord, and 323 lb down and 262 lb up at 7-0-0, and 323 lb down and 262 lb up at 10-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 10-13=-20

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-175(B) 4=-175(B) 8=-60(B) 9=-323(B) 7=-323(B) 17=-120(B)

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T35	Flat	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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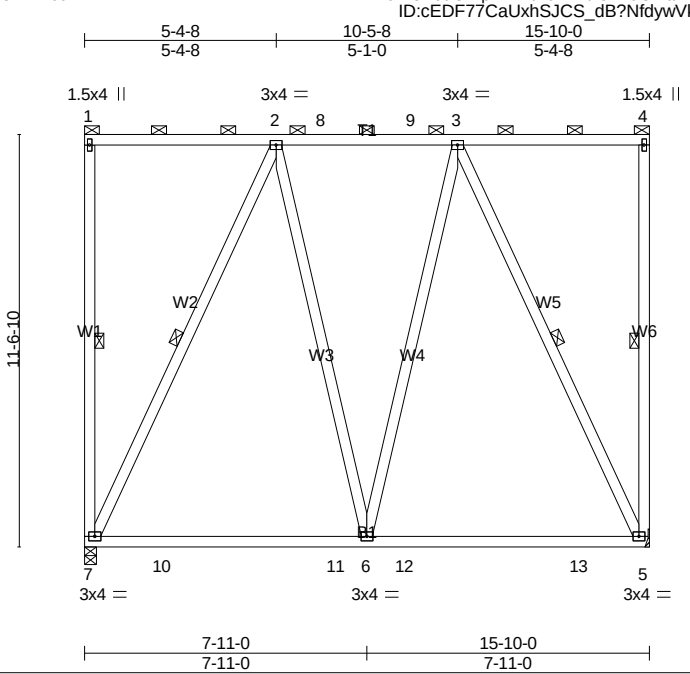

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.12	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.19	6-7	>980	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-7, 4-5, 2-7, 3-5

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

REACTIONS. (lb/size) 7=622/0-4-0 (min. 0-1-8), 5=622/Mechanical
Max Uplift7=-158(LC 8), 5=-158(LC 8)
Max Grav 7=698(LC 17), 5=698(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-271/96, 8-9=-271/96, 3-9=-271/96
WEBS 2-7=-519/259, 3-5=-519/259

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=22ft; B=83ft; L=65ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-7-14, Exterior(2) 6-7-14 to 15-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=158, 5=158.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T36	Flat	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:32 2021 Page 1
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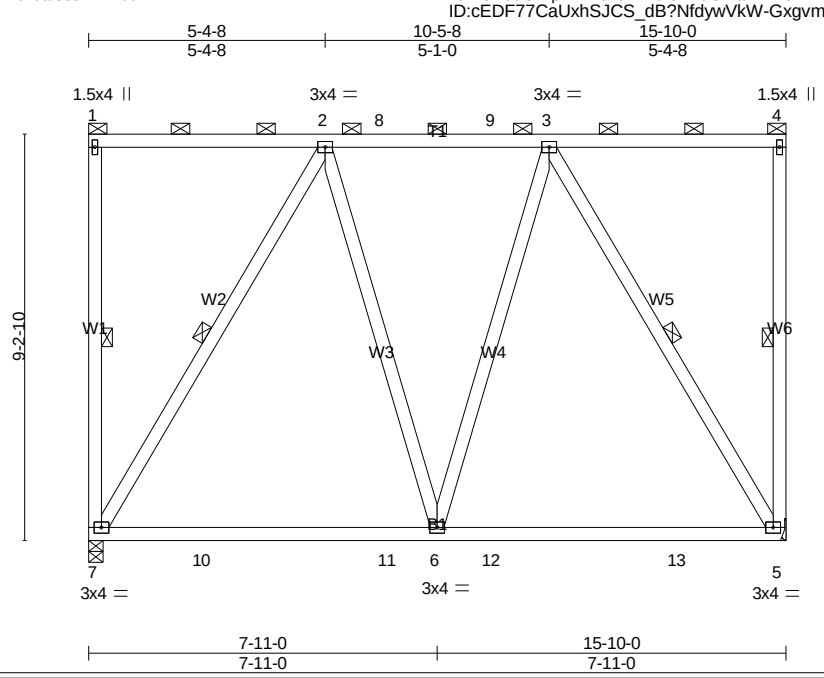

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.17	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 129 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-7, 4-5, 2-7, 3-5

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

REACTIONS. (lb/size) 7=622/0-4-0 (min. 0-1-8), 5=622/Mechanical
Max Uplift7=-150(LC 8), 5=-150(LC 8)
Max Grav 7=678(LC 17), 5=678(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-331/116, 8-9=-331/116, 3-9=-331/116
BOT CHORD 7-10=-134/280, 10-11=-134/280, 6-11=-134/280, 6-12=-134/280, 12-13=-134/280, 5-13=-134/280
WEBS 2-7=-530/261, 3-5=-530/261

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=19ft; B=83ft; L=65ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-7-14, Exterior(2) 6-7-14 to 15-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=150, 5=150.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T37	Roof Special	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:32 2021 Page 1
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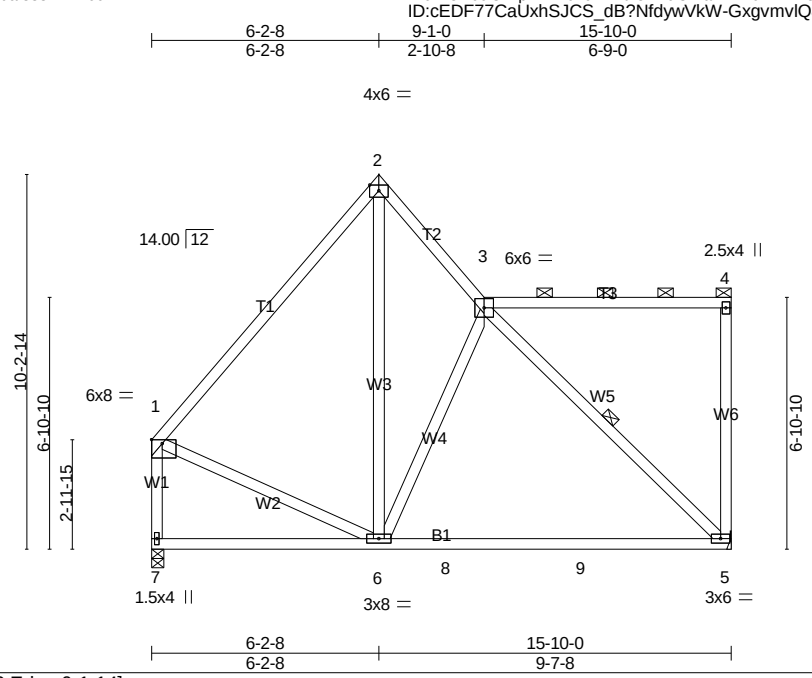

Plate Offsets (X,Y)-- [1:Edge,0-1-5], [2:Edge,0-1-14]

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	0.69	Vert(LL)	-0.25	5-6	>754	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.45	5-6	>418	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 116 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-5

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

REACTIONS. (lb/size) 5=622/Mechanical, 7=622/0-4-0 (min. 0-1-8)
Max Horz 7=-229(LC 10)
Max Uplift 5=-191(LC 12), 7=-94(LC 12)
Max Grav 5=700(LC 17), 7=626(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-566/220, 2-3=-551/338, 1-7=-609/212
BOT CHORD 6-7=-288/282, 6-8=-241/435, 8-9=-241/435, 5-9=-241/435
WEBS 2-6=-177/402, 3-6=-285/252, 3-5=-579/332, 1-6=-21/356

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=17ft; B=83ft; L=65ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 9-1-0, Exterior(2) 9-1-0 to 15-8-4 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=191.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T38	Roof Special	1	1	Job Reference (optional)

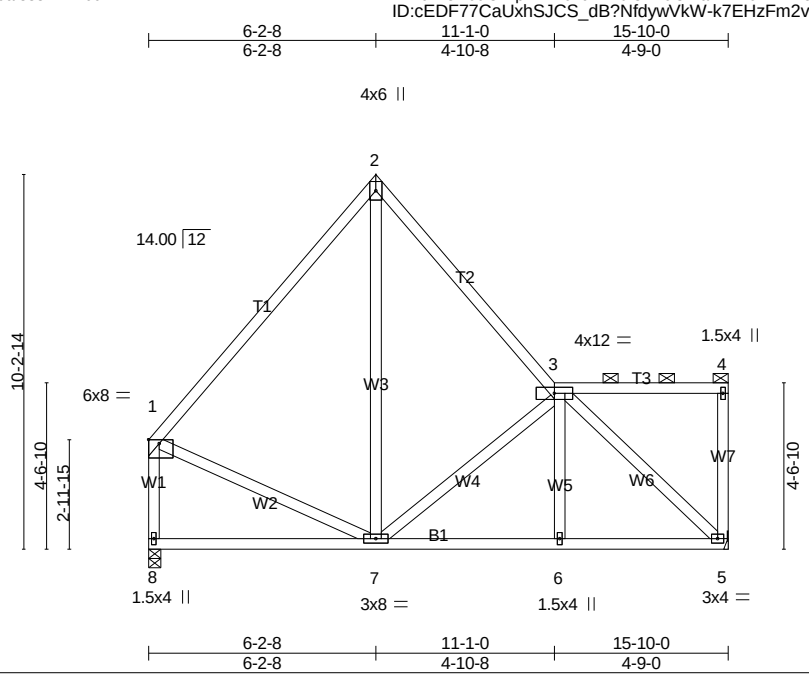

Plate Offsets (X,Y)-- [1:Edge,0-1-5]

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	0.67	Vert(LL)	-0.03	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 114 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 5-11-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
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) 5=622/Mechanical, 8=622/0-4-0 (min. 0-1-8)
Max Horz 8=-260(LC 10)
Max Uplift5=-152(LC 12), 8=-124(LC 12)
Max Grav 5=623(LC 17), 8=622(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-523/263, 2-3=-526/305, 1-8=-567/258
BOT CHORD 7-8=-248/321, 6-7=-238/508, 5-6=-236/511
WEBS 2-7=-142/347, 3-7=-387/261, 3-5=-679/314, 1-7=-57/317

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=16ft; B=83ft; L=65ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 11-1-0, Exterior(2) 11-1-0 to 15-8-4 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=152, 8=124.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T39	Common	1	1	Job Reference (optional)

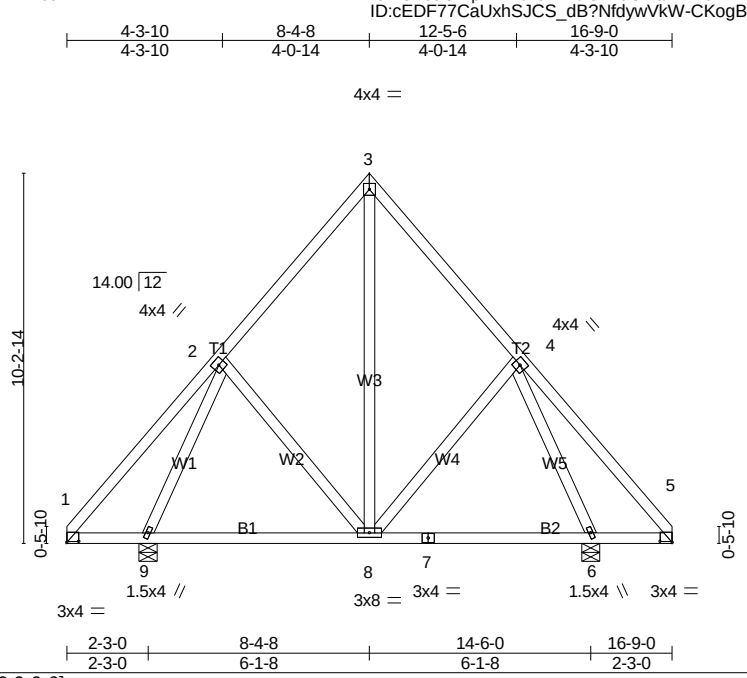

Plate Offsets (X,Y)-- [1:0-4-0,0-0-6], [5:0-4-0,0-0-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 112 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 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) 9=670/0-6-0 (min. 0-1-8), 6=670/0-6-0 (min. 0-1-8)
Max Horz 9=-384(LC 10)
Max Uplift9=-145(LC 12), 6=-145(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-460/325, 3-4=-460/325
BOT CHORD 8-9=-240/370
WEBS 3-8=-306/399, 4-8=-189/264, 2-8=-189/264, 2-9=-554/244, 4-6=-554/244

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 6-1-11, Exterior(2) 6-1-11 to 8-4-8, Corner(3) 8-4-8 to 14-6-3, Exterior(2) 14-6-3 to 16-9-0 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=145, 6=145.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T40	Common Structural Gable	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:35 2021 Page 1
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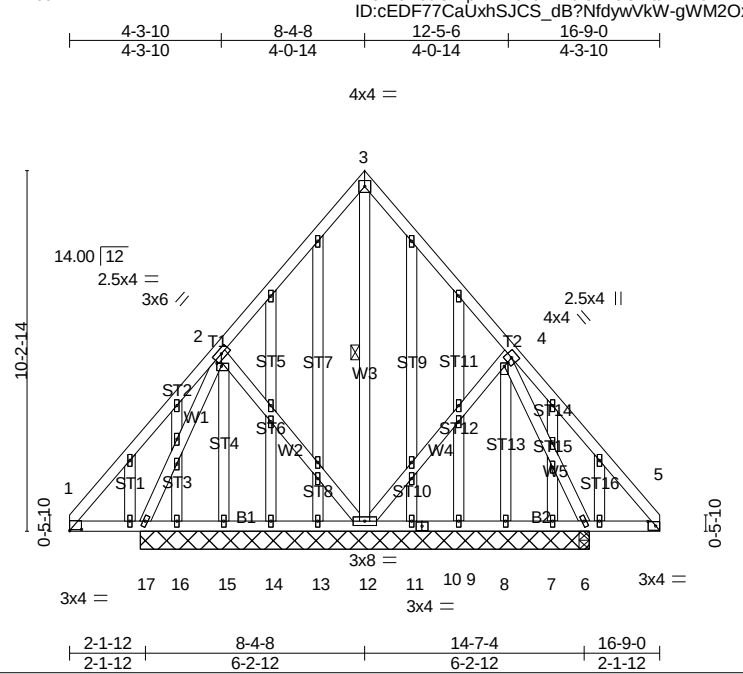

Plate Offsets (X,Y)-- [1:0-4-0,0-0-6], [2:0-1-8,0-1-0], [4:0-1-4,0-1-4], [5:0-2-10,0-1-8]

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	0.24	Vert(LL)	0.00	17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	0.00	17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 184 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 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, Except:
6-0-0 oc bracing: 1-17,5-6.
WEBS 1 Row at midpt 3-12

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

REACTIONS. All bearings 12-9-0.
(lb) - Max Horz 17=-384(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 17, 6, 16, 7 except 12=-337(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 15, 16, 11, 9, 8, 7 except 12=401(LC 17), 17=436(LC 21), 6=433(LC 22), 6=429(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 16-17=-290/295, 15-16=-290/295, 14-15=-290/295, 13-14=-290/295, 12-13=-290/295
WEBS 4-12=-317/343, 2-12=-322/345, 2-17=-334/16, 4-6=-308/6

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 6-1-11, Exterior(2) 6-1-11 to 8-4-8, Corner(3) 8-4-8 to 14-6-3, Exterior(2) 14-6-3 to 16-9-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 6, 16, 7 except (jt=lb) 12=337.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T41	Attic	4	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.420 s Feb 10 2021 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:36 2021 Page 1
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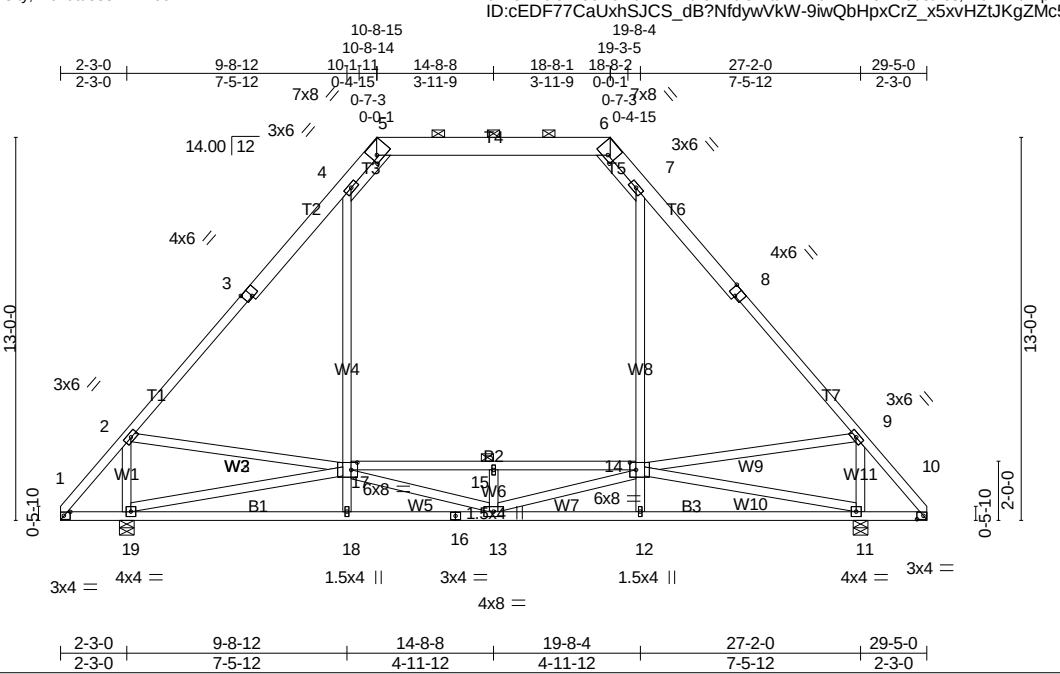


Plate Offsets (X,Y)-- [1:0-2-10,0-1-8], [3:0-3-0,Edge], [5:0-2-7,0-2-9], [6:0-3-1,0-1-12], [8:0-3-0,Edge], [10:0-2-10,0-1-8], [14:0-2-8,0-3-0], [17:0-2-8,0-3-0]

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	0.66	Vert(LL)	-0.10	15-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.16	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.07	14-17	1734	360	Weight: 251 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
T2,T6: 2x6 SP DSS, T4: 2x8 SP DSS
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 8-7-3 oc bracing.
JOINTS 1 Brace at Jt(s): 15

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

REACTIONS. (lb/size) 19=1323/0-6-0 (min. 0-1-13), 11=1323/0-6-0 (min. 0-1-13)
Max Horz 19=509(LC 11)
Max Uplift19=-192(LC 12), 11=-192(LC 12)
Max Grav 19=1543(LC 18), 11=1543(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1395/183, 3-4=-1172/218, 4-5=-784/379, 5-6=-779/383, 6-7=-767/379, 7-8=-1206/218, 8-9=-1433/183
BOT CHORD 18-19=-502/1117, 16-18=-518/1112, 13-16=-518/1112, 12-13=-316/875, 11-12=-305/880, 15-17=-677/369, 14-15=-677/369
WEBS 2-19=-1295/381, 2-17=0/853, 17-18=0/271, 4-17=-83/558, 12-14=0/271, 7-14=-122/588, 9-14=-8/877, 9-11=-1327/381, 13-15=-593/0, 13-17=-383/1324, 13-14=-389/1328, 17-19=-685/274, 11-14=-835/299

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=19ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 6-6-2, Exterior(2) 6-6-2 to 29-5-0 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-6, 6-7
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 15-17, 14-15
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=192, 11=192.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T42	GABLE	1	1	Job Reference (optional)

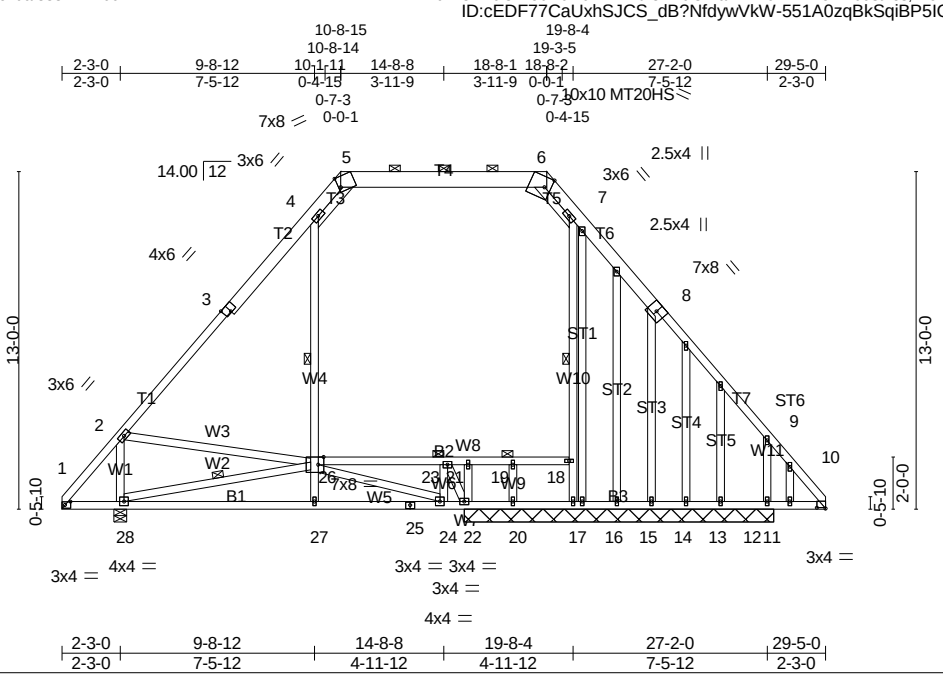


Plate Offsets (X,Y)-- [1:0-2-10,0-1-8], [3:0-3-0,Edge], [5:0-1-0,Edge], [6:0-2-14,Edge], [10:0-4-0,0-0-6], [26:0-2-8,Edge]

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	0.60	Vert(LL)	-0.08	27-28	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.15	27-28	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 287 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
T2,T6: 2x6 SP DSS, T4: 2x8 SP DSS
BOT CHORD 2x4 SP No.1 *Except*
B2: 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-11-4 oc bracing: 27-28
7-9-10 oc bracing: 24-27.
WEBS 1 Row at midpt 4-27, 7-17, 26-28
JOINTS 1 Brace at Jt(s): 23, 19

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

REACTIONS. All bearings 11-11-0 except (jt=length) 28=0-6-0.
(lb) - Max Horz 28=509(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 17, 16, 14, 13, 20 except
28=-297(LC 12), 11=-152(LC 12), 12=-291(LC 12), 22=-148(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 16, 15, 14, 13, 12, 20 except
28=826(LC 19), 17=703(LC 19), 11=584(LC 1), 22=818(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-569/404, 3-4=-447/427, 4-5=-424/481, 5-6=-446/510, 6-7=-440/489, 7-8=-311/397, 8-9=-373/360
BOT CHORD 27-28=-615/1935, 25-27=-632/1944, 24-25=-632/1944, 22-24=-94/375
WEBS 2-28=-643/547, 2-26=-440/411, 26-27=0/260, 4-26=-727/327, 23-26=-258/36, 17-18=-528/91, 7-18=-517/99, 9-11=-784/667, 23-24=-126/543, 24-26=-1663/571, 26-28=-1541/258, 22-23=-594/85

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=19ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 6-6-2, Exterior(2) 6-6-2 to 29-5-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Ceiling dead load (5.0 psf) on member(s). 23-26, 21-23, 19-21, 18-19

Continued on page 2

NOTES-

11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 17-20, 16-17, 15-16, 14-15, 13-14, 12-13, 11-12
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 16, 14, 13, 20 except (jt=lb) 28=297, 11=152, 12=291, 22=148.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T43	Common	1	1	Job Reference (optional)

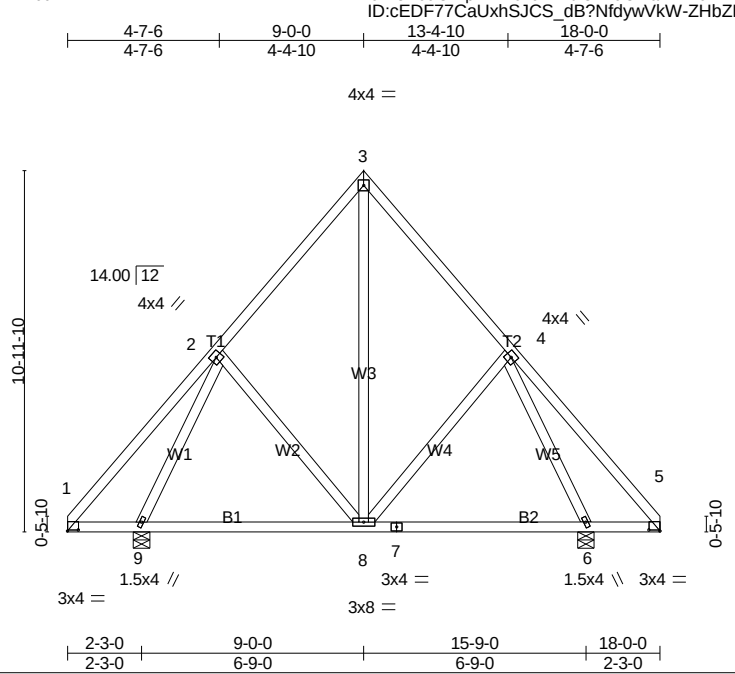


Plate Offsets (X,Y)-- [1:0-4-0,0-0-6], [5:0-4-0,0-0-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.03	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.06	6-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 120 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 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) 9=720/0-6-0 (min. 0-1-8), 6=720/0-6-0 (min. 0-1-8)
Max Horz 9=-415(LC 10)
Max Uplift9=-157(LC 12), 6=-157(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-512/351, 3-4=-512/351
BOT CHORD 8-9=-246/411
WEBS 3-8=-334/456, 4-8=-218/287, 2-8=-218/287, 2-9=-597/257, 4-6=-597/257

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=16ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 6-3-7, Exterior(2) 6-3-7 to 9-0-0, Corner(3) 9-0-0 to 15-3-7, Exterior(2) 15-3-7 to 18-0-0 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=157, 6=157.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T44	Common Structural Gable	1	1	Job Reference (optional)

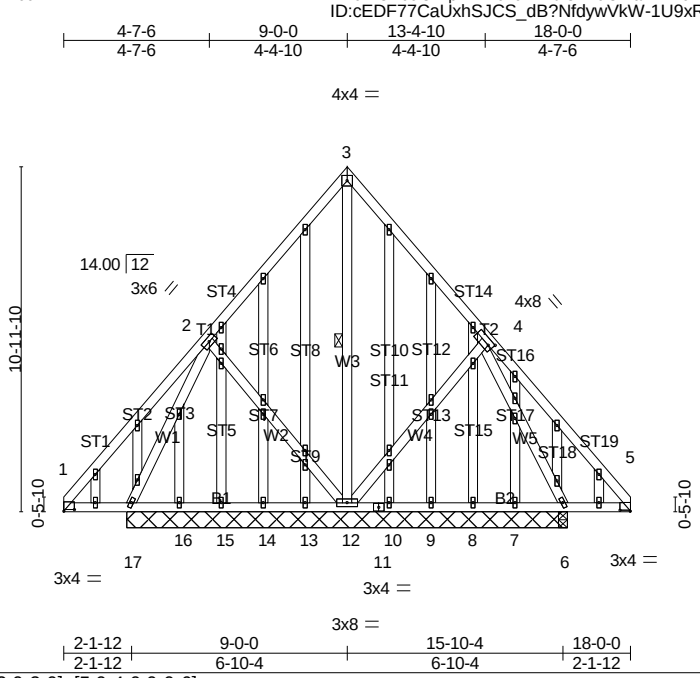


Plate Offsets (X,Y)-- [1:0-4-0,0-0-10], [4:0-1-12,0-2-0], [5:0-4-0,0-0-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	0.00	17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	0.00	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 205 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 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, Except:
6-0-0 oc bracing: 1-17,5-6.
WEBS 1 Row at midpt 3-12

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

REACTIONS. All bearings 14-0-0.
(lb) - Max Horz 17=415(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 17, 6, 16, 7 except 12=-368(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 15, 16, 10, 9, 8, 7 except 12=442(LC 17), 17=434(LC 21), 6=433(LC 22), 6=430(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 16-17=-308/320, 15-16=-308/320, 14-15=-308/320, 13-14=-308/320, 12-13=-308/320
WEBS 4-12=-346/365, 2-12=-350/367, 2-17=-355/18, 4-6=-325/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=16ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 6-3-7, Exterior(2) 6-3-7 to 9-0-0, Corner(3) 9-0-0 to 15-3-7, Exterior(2) 15-3-7 to 18-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 6, 16, 7 except (jt=lb) 12=368.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T45	GABLE	1	1	Job Reference (optional)

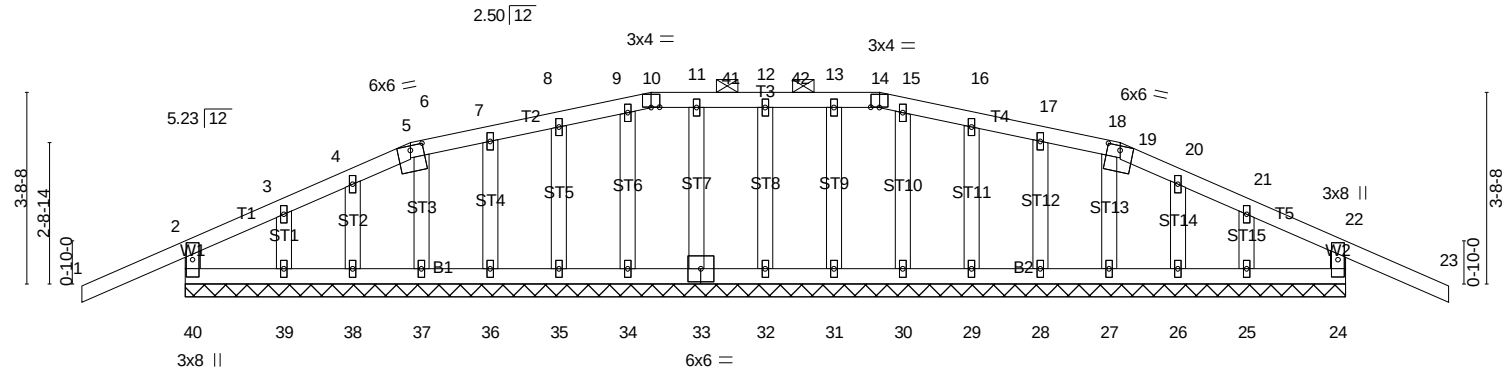
Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:42 2021 Page 1

ID:cEDF77CaUxhSJCS_dB?NfdywVkW-zsHhsKtiohK7f0O3dq_jaxpSzWBWLyAiF8_JHVzQSRh

-2-0-0	4-4-7	9-0-7	13-5-9	18-1-9	22-6-0	24-6-0
2-0-0	4-4-7	4-8-0	4-5-2	4-8-0	4-4-7	2-0-0

Scale = 1:44.7



22-6-0

22-6-0

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

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	0.41	Vert(LL)	-0.03	23	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.05	23	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	24	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 130 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 10-14.
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. All bearings 22-6-0.

(lb) - Max Horz 40=99(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 32, 33, 34, 35, 36, 37, 38, 39, 31, 30, 29, 28, 27, 26, 25 except 40=-162(LC 12), 24=-162(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 32, 33, 34, 35, 36, 37, 38, 39, 31, 30, 29, 28, 27, 26, 25 except 40=252(LC 21), 24=251(LC 22)

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

TOP CHORD 2-40=-225/340, 22-24=-224/354

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=13ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 3-3-0, Exterior(2) 3-3-0 to 24-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 32, 33, 34, 35, 36, 37, 38, 39, 31, 30, 29, 28, 27, 26, 25 except (jt=lb) 40=162, 24=162.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T46	Hip	2	1	Job Reference (optional)

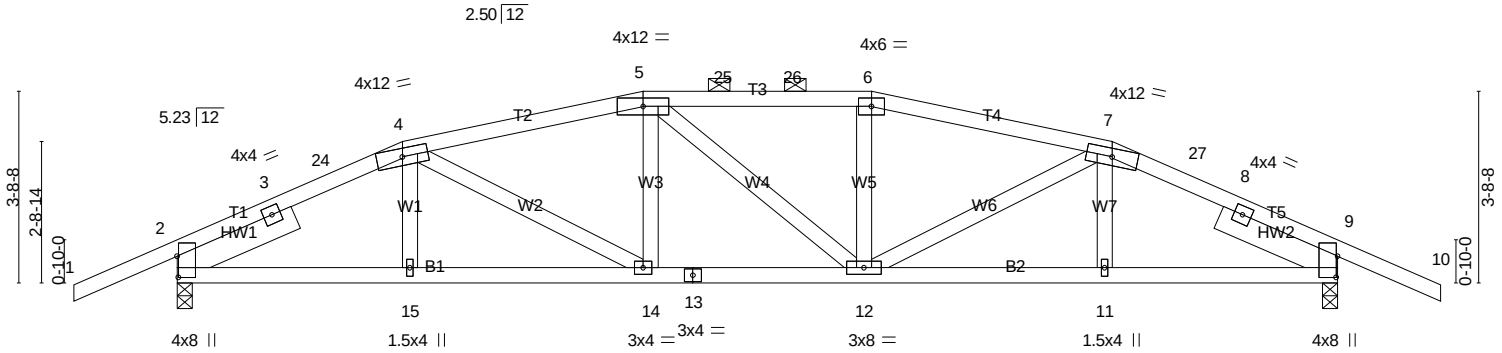
Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:43 2021 Page 1

ID:cEDF77CaUxhSJCS_dB?NfdywVkW-R3r33guKZ?S_HAzFBXVy68MfmwRx4NPrUojtqxzQSRg

-2-0-0	4-4-7	9-0-7	13-5-9	18-1-9	22-6-0	24-6-0
2-0-0	4-4-7	4-8-0	4-5-2	4-8-0	4-4-7	2-0-0

Scale = 1:44.7



4-4-7	9-0-7	13-5-9	18-1-9	22-6-0
4-4-7	4-8-0	4-5-2	4-8-0	4-4-7

Plate Offsets (X,Y)-- [2:0-4-15,0-0-5], [9:0-4-15,0-0-5]

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	0.28	Vert(LL)	-0.06	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.12	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 125 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP DSS -˜ 2-6-0, Right 2x6 SP DSS -˜ 2-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-2-4 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=1020/0-3-8 (min. 0-1-8), 9=1020/0-3-8 (min. 0-1-8)
Max Horz 2=99(LC 11)
Max Uplift2=-293(LC 12), 9=-293(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-24=-1410/661, 4-24=-1385/672, 4-5=-1477/717, 5-25=-1427/722, 25-26=-1427/722, 6-26=-1427/722, 6-7=-1477/716, 7-27=-1385/673, 8-27=-1410/662
BOT CHORD 2-15=-487/1238, 14-15=-483/1240, 13-14=-505/1427, 12-13=-505/1427, 11-12=-451/1240, 9-11=-455/1238
WEBS 4-14=-58/276, 7-12=-57/276

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=13ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 3-0-6, Exterior(2) 3-0-6 to 24-6-0 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=293, 9=293.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

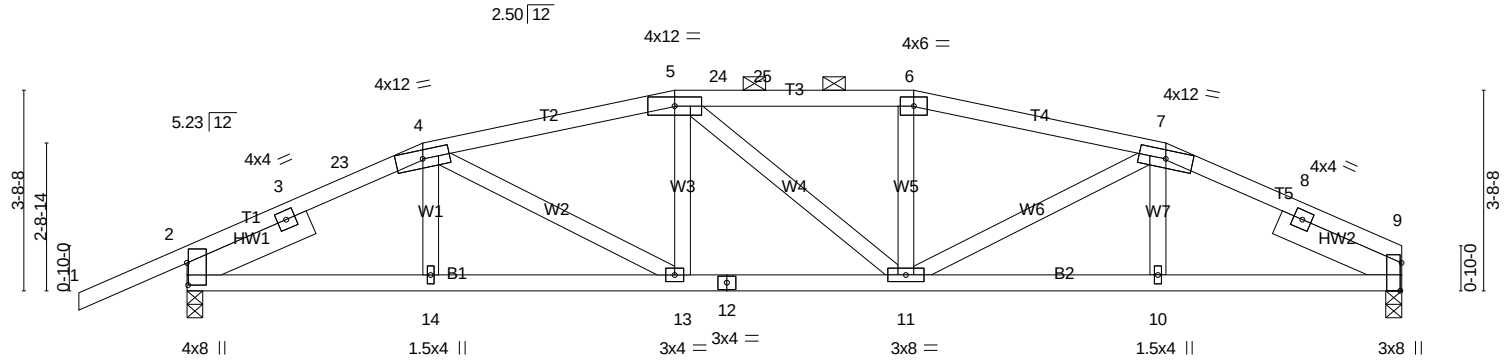
Job	Truss	Truss Type	Qty	Ply	
JR366-20	T47	Hip	2	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:44 2021 Page 1
ID:cEDF77CaUxhSJCS_dB?NfdywVkW-wFPSH0vyJlarvKYRlF0BfMuqUKn7pqd?iSTQMNzQSRf

-2-0-0	4-4-7	9-0-7	13-5-9	18-1-9	22-6-0
2-0-0	4-4-7	4-8-0	4-5-2	4-8-0	4-4-7

Scale = 1:42.7



4-4-7	9-0-7	13-5-9	18-1-9	22-6-0
4-4-7	4-8-0	4-5-2	4-8-0	4-4-7

Plate Offsets (X,Y)-- [2:0-4-15,0-0-5], [9:0-6-3,Edge]

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	0.28	Vert(LL)	-0.06	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.12	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 122 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP DSS -˜ 2-6-0, Right 2x6 SP DSS -˜ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-1-12 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 9=895/0-3-8 (min. 0-1-8), 2=1025/0-3-8 (min. 0-1-8)
Max Horz 2=90(LC 11)
Max Uplift9=-188(LC 12), 2=-298(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-23=-1420/669, 4-23=-1395/680, 4-5=-1491/761, 5-24=-1447/790, 24-25=-1447/790, 6-25=-1447/790, 6-7=-1497/785, 7-8=-1454/804, 8-9=-327/247
BOT CHORD 2-14=-539/1247, 13-14=-535/1249, 12-13=-560/1442, 11-12=-560/1442, 10-11=-608/1288, 9-10=-611/1285
WEBS 4-13=-78/282, 7-11=-44/266

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=13ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 3-0-12, Exterior(2) 3-0-12 to 22-6-0 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=188, 2=298.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T48	Hip	2	1	Job Reference (optional)

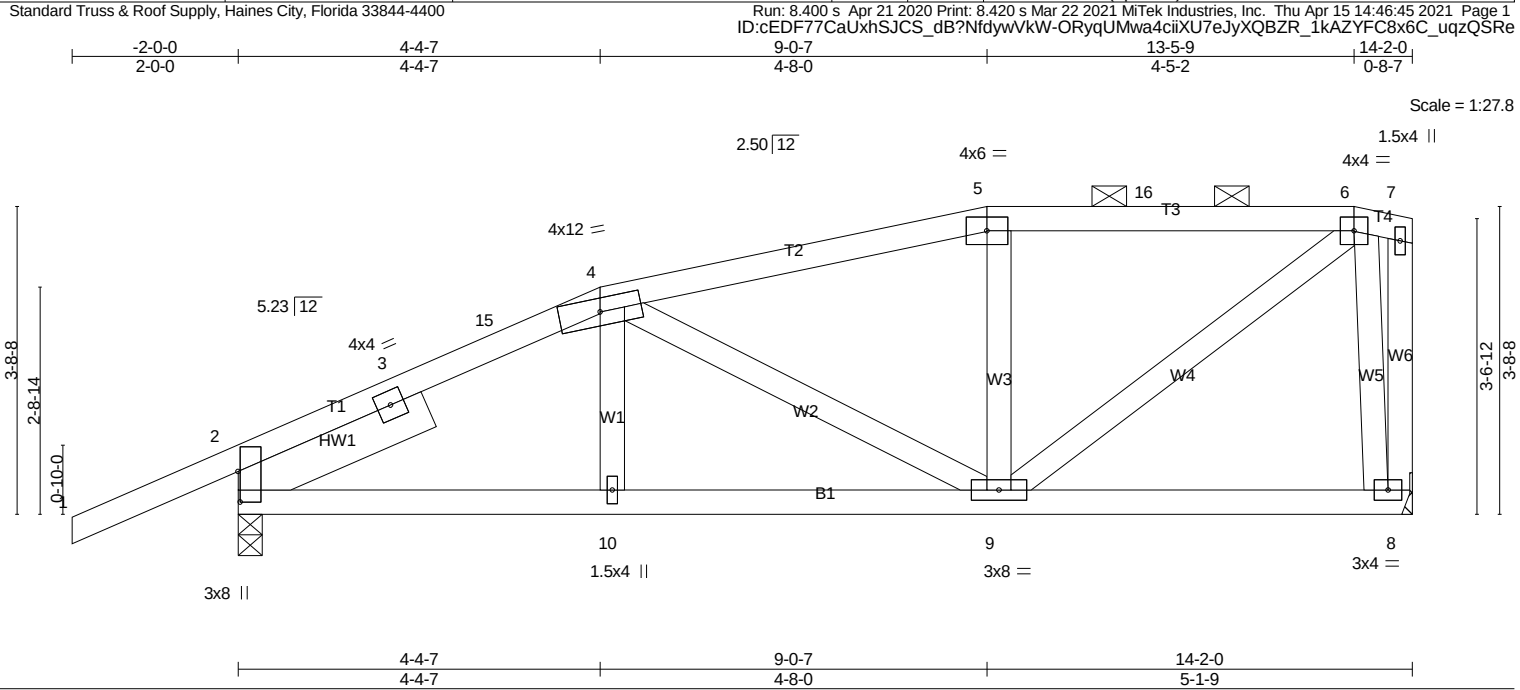


Plate Offsets (X,Y)-- [2:0-4-7,0-0-5]

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	0.30	Vert(LL)	-0.02	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.04	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 84 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP DSS -˜ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=689/0-3-8 (min. 0-1-8), 8=552/Mechanical
Max Horz 2=169(LC 12)
Max Uplift2=-212(LC 12), 8=-128(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-15=-767/381, 4-15=-720/389, 4-5=-588/294, 5-16=-542/306, 6-16=-542/306
BOT CHORD 2-10=-457/672, 9-10=-454/675
WEBS 6-9=-303/562, 6-8=-558/377

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=13ft; B=83ft; L=65ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-0-0 to 3-2-5, Exterior(2) 3-2-5 to 14-0-4 zone;C-C for members and forces & MWFRS for reactions shown; 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 20.0psf 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=212, 8=128.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T49	Monopitch Supported Gable	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:46 2021 Page 1
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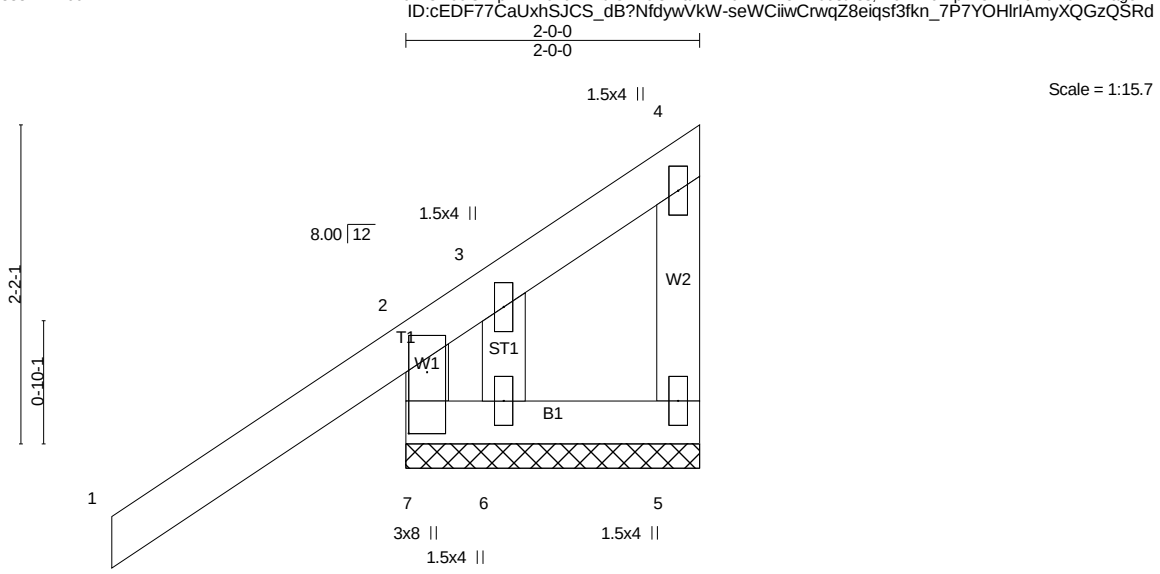


Plate Offsets (X,Y)-- [7:0-5-0,0-1-8]

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	0.38	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 14 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 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.

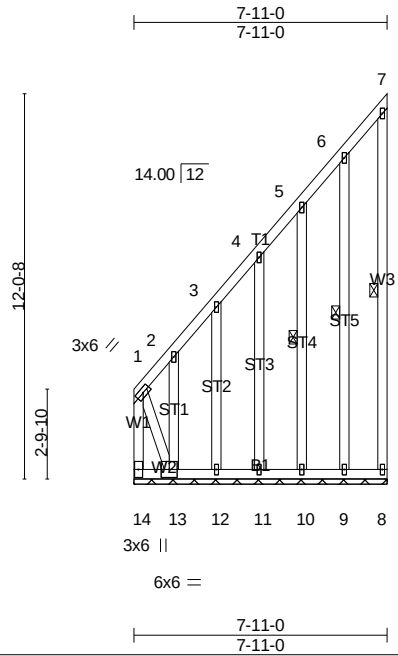
REACTIONS. (lb/size) 7=400/2-0-0 (min. 0-1-8), 5=41/2-0-0 (min. 0-1-8), 6=-176/2-0-0 (min. 0-1-8)
Max Horz 7=137(LC 12)
Max Uplift7=-272(LC 12), 5=-20(LC 12), 6=-176(LC 1)
Max Grav 7=400(LC 1), 5=49(LC 17), 6=154(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-357/441

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=11ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 7=272, 6=176.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	T50	Monopitch Supported Gable	1	1	Job Reference (optional)



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)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 105 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 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 10-0-0 oc bracing, Except: 8-3-12 oc bracing: 13-14.
WEBS 1 Row at midpt 7-8, 6-9, 5-10

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

REACTIONS. All bearings 7-11-0.
(lb) - Max Horz 14=377(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 8, 9, 11 except 14=-746(LC 10), 10=-105(LC 12), 12=-122(LC 12), 13=-952(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 8, 9, 10, 11, 12 except 14=1276(LC 12), 13=647(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1970/1496, 1-2=-829/642, 2-3=-717/556, 3-4=-536/416, 4-5=-382/298
BOT CHORD 13-14=-585/448
WEBS 1-13=-1146/1496

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=17ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 6-7-0, Exterior(2) 6-7-0 to 7-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 9, 11 except (jt=lb) 14=746, 10=105, 12=122, 13=952.
9) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	TJ-01	Corner Jack	4	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:47 2021 Page 1

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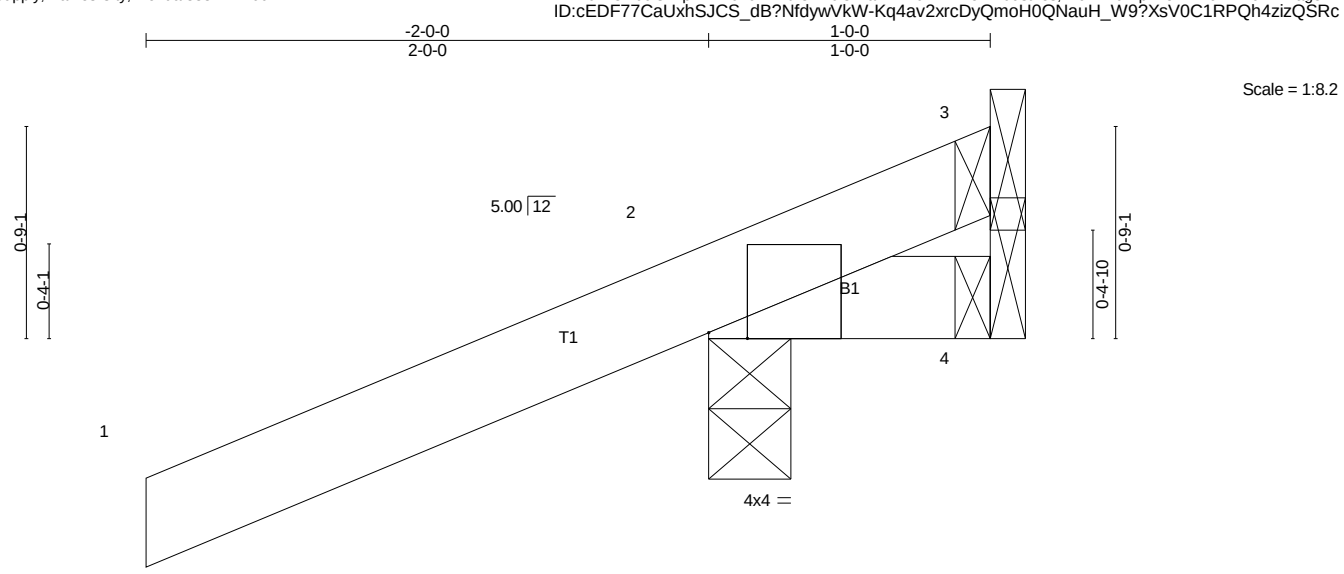

Plate Offsets (X,Y)-- [2:0-1-10,Edge]

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	0.97	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
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=-29/Mechanical, 2=281/0-3-8 (min. 0-1-8), 4=-53/Mechanical
Max Horz 2=69(LC 12)
Max Uplift3=-29(LC 17), 2=-244(LC 12), 4=-57(LC 17)
Max Grav 3=37(LC 12), 2=281(LC 1), 4=59(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=10ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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, 4 except (jt=lb) 2=244.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	TJ-01A	Jack-Open	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:48 2021 Page 1
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Scale = 1:25.8

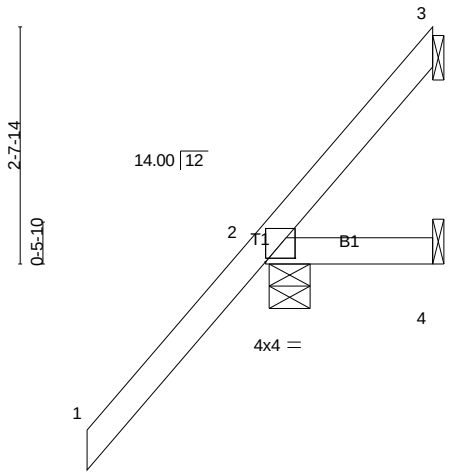

Plate Offsets (X,Y)-- [2:0-4-0,0-0-8]

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	0.53	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.01	4-7	>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 FBC2017/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-8 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=20/Mechanical, 2=259/0-5-8 (min. 0-1-8), 4=-10/Mechanical
Max Horz 2=257(LC 12)
Max Uplift3=-30(LC 9), 2=-222(LC 12), 4=-15(LC 17)
Max Grav 3=40(LC 17), 2=271(LC 17), 4=77(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=22ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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) 3, 4 except (jt=lb) 2=222.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	TJ-01B	Jack-Open	1	1	Job Reference (optional)

-2-0-0 1-10-8
2-0-0 1-10-8

Scale = 1:25.8

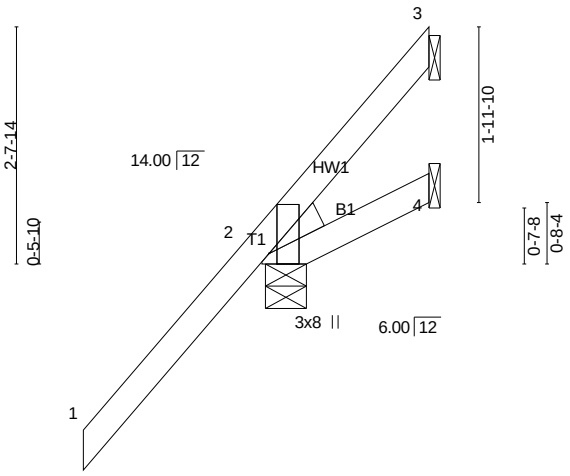

Plate Offsets (X,Y)-- [2:0-1-7,Edge]

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	0.53	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.01	4-7	>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 FBC2017/TPI2014		Matrix-MP							Weight: 14 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-8 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=17/Mechanical, 2=259/0-5-8 (min. 0-1-8), 4=-7/Mechanical
Max Horz 2=257(LC 12)
Max Uplift3=-32(LC 9), 2=-190(LC 12), 4=-7(LC 1)
Max Grav 3=40(LC 10), 2=261(LC 17), 4=50(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=22ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=190.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	TJ-03	Corner Jack	4	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:49 2021 Page 1
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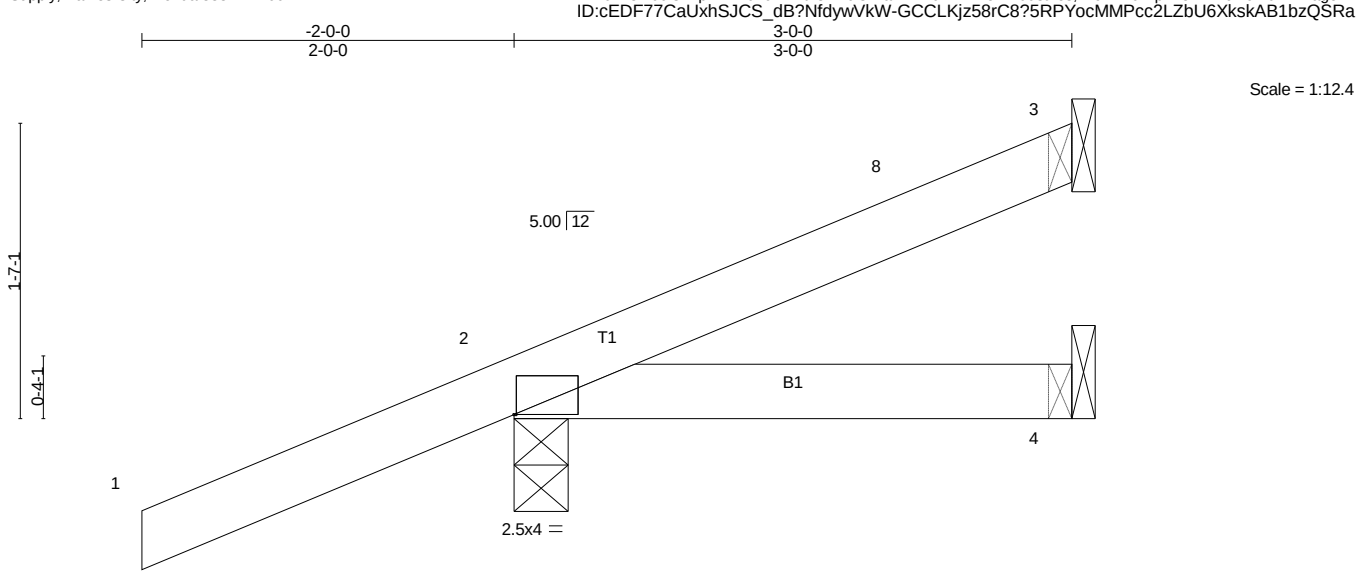

Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

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	0.55	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	4-7	>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 FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 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=56/Mechanical, 2=278/0-3-8 (min. 0-1-8), 4=21/Mechanical
Max Horz 2=103(LC 12)
Max Uplift3=-28(LC 9), 2=-200(LC 12), 4=-23(LC 9)
Max Grav 3=56(LC 17), 2=278(LC 1), 4=46(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=11ft; B=83ft; L=65ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 2-2-10, Interior(1) 2-2-10 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, 4 except (jt=lb) 2=200.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	TJ-05	Corner Jack	4	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:50 2021 Page 1

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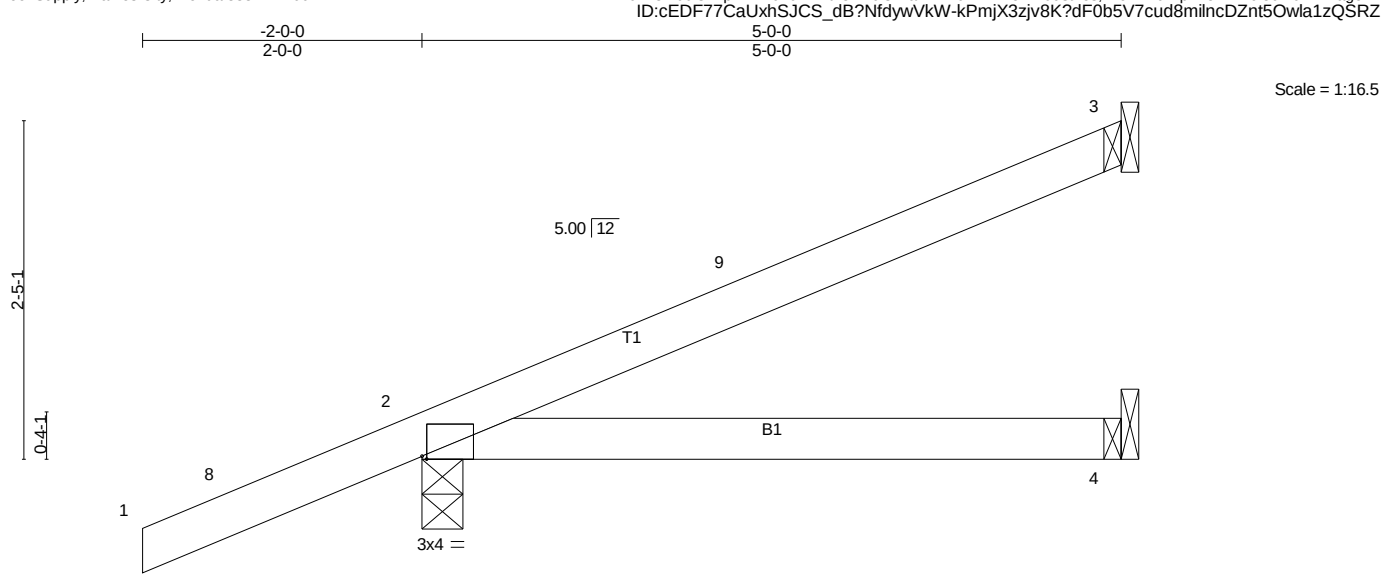

Plate Offsets (X,Y)-- [2:0-0-6,Edge]

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	0.62	Vert(LL)	0.09	4-7	>642	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	0.07	4-7	>798	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 19 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 3=120/Mechanical, 2=342/0-3-8 (min. 0-1-8), 4=53/Mechanical
Max Horz 2=137(LC 12)
Max Uplift3=-70(LC 12), 2=-223(LC 12), 4=-43(LC 9)
Max Grav 3=121(LC 17), 2=342(LC 1), 4=86(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=11ft; B=83ft; L=65ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 2-4-10, Interior(1) 2-4-10 to 4-11-4 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, 4 except (jt=lb) 2=223.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	TJ-07	Jack-Open	3	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:51 2021 Page 1
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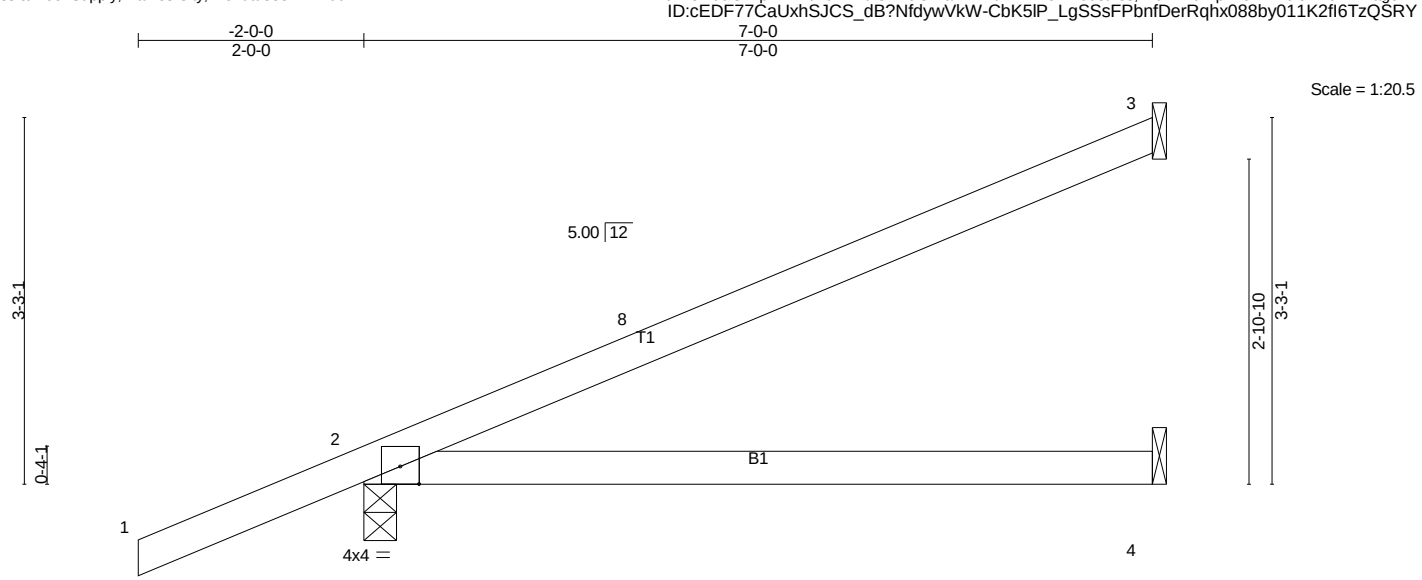

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.30	4-7	>277	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	0.24	4-7	>350	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 3=180/Mechanical, 2=415/0-3-8 (min. 0-1-8), 4=80/Mechanical
Max Horz 2=171(LC 12)
Max Uplift3=-109(LC 12), 2=-255(LC 12), 4=-61(LC 12)
Max Grav 3=183(LC 17), 2=415(LC 1), 4=123(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=11ft; B=83ft; L=65ft; eave=9ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-0 to 2-6-10, Interior(1) 2-6-10 to 6-11-4 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) 4 except (jt=lb) 3=109, 2=255.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	TK-09	Diagonal Hip Girder	2	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:52 2021 Page 1
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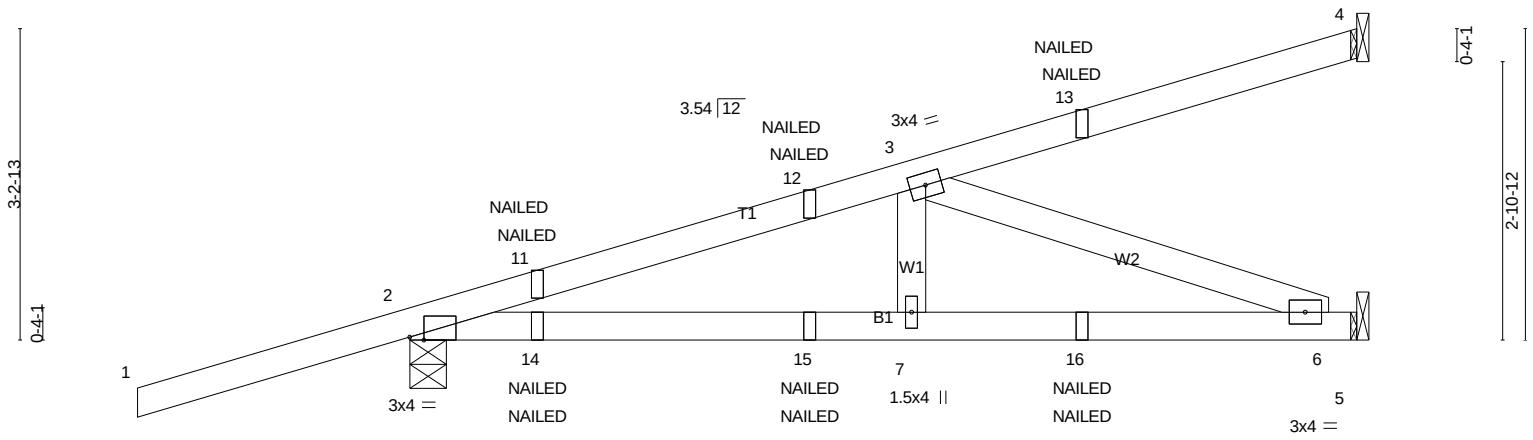
-2-9-15	1-3-15	4-1-14	5-2-9	6-11-13	9-10-1
2-9-15	1-3-15	2-9-15	1-0-11	1-9-4	2-10-4

Scale: 1/2"=1'



1-3-15	4-1-14	5-2-9	6-11-13	9-10-1
1-3-15	2-9-15	1-0-11	1-9-4	2-10-4

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

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)	0.07	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.07	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.32	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 43 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-5-3 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=139/Mechanical, 2=486/0-4-9 (min. 0-1-8), 5=291/Mechanical
Max Horz 2=171(LC 8)
Max Uplift 4=-78(LC 8), 2=-475(LC 8), 5=-224(LC 8)
Max Grav 4=139(LC 1), 2=542(LC 28), 5=291(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-720/490, 11-12=-733/478, 3-12=-674/489
BOT CHORD 2-14=-527/673, 14-15=-527/673, 7-15=-527/673, 7-16=-527/673, 6-16=-527/673
WEBS 3-6=-716/561

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=11ft; B=83ft; L=65ft; eave=0ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); porch left and right exposed; 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 except (jt=lb) 2=475, 5=224.
6) "NAILED" indicates 3-10d skew 45 to 135 degrees (0.148" x 3") toe-nails per NDS guidelines.
7) 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=71(F=36, B=36) 13=-70(F=-35, B=-35) 14=82(F=41, B=41) 15=3(F=2, B=2) 16=-50(F=-25, B=-25)

Job	Truss	Truss Type	Qty	Ply	
JR366-20	V01	Roof Special	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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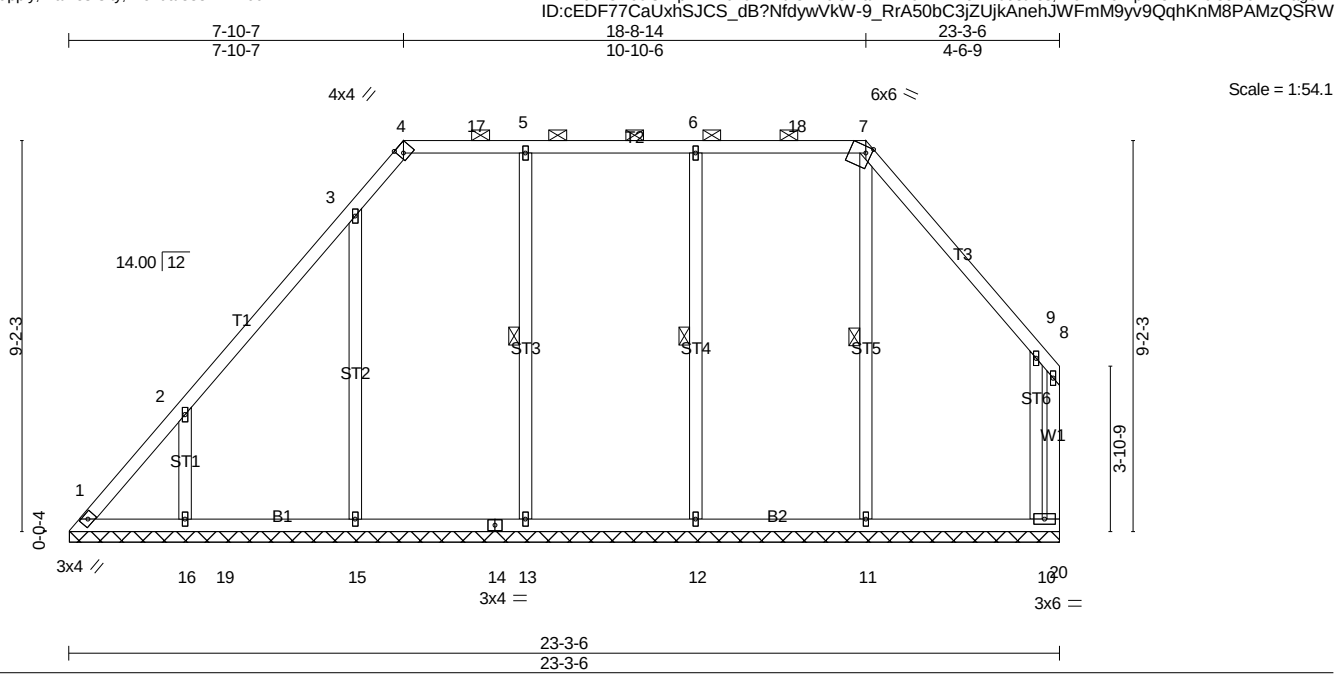

Plate Offsets (X,Y)-- [4:0-1-5,Edge], [7:0-1-9,Edge]

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	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 143 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 7-11, 6-12, 5-13

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

REACTIONS. All bearings 23-3-3.

(lb) - Max Horz 1=-343(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 13 except 1=-316(LC 10), 10=-248(LC 12), 12=-115(LC 12), 15=-159(LC 9), 16=-389(LC 12)

Max Grav All reactions 250 lb or less at joint(s) except 1=373(LC 11), 10=376(LC 18), 11=400(LC 17), 12=413(LC 17), 13=413(LC 17), 15=619(LC 17), 16=473(LC 17)

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

TOP CHORD 1-2=-481/508, 2-3=-410/335, 3-4=-302/328, 4-17=-293/331, 5-17=-293/331, 5-6=-293/331, 6-18=-292/330, 7-18=-293/329, 7-8=-310/318

WEBS 6-12=-262/241, 3-15=-415/222, 2-16=-563/529, 8-10=-587/522

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=31ft; B=83ft; L=65ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-3-13 to 6-8-14, Interior(1) 6-8-14 to 7-10-7, Exterior(2) 7-10-7 to 17-0-15, Interior(1) 17-0-15 to 18-8-14, Exterior(2) 18-8-14 to 23-1-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 1=316, 10=248, 12=115, 15=159, 16=389.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	V02	Roof Special	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:54 2021 Page 1

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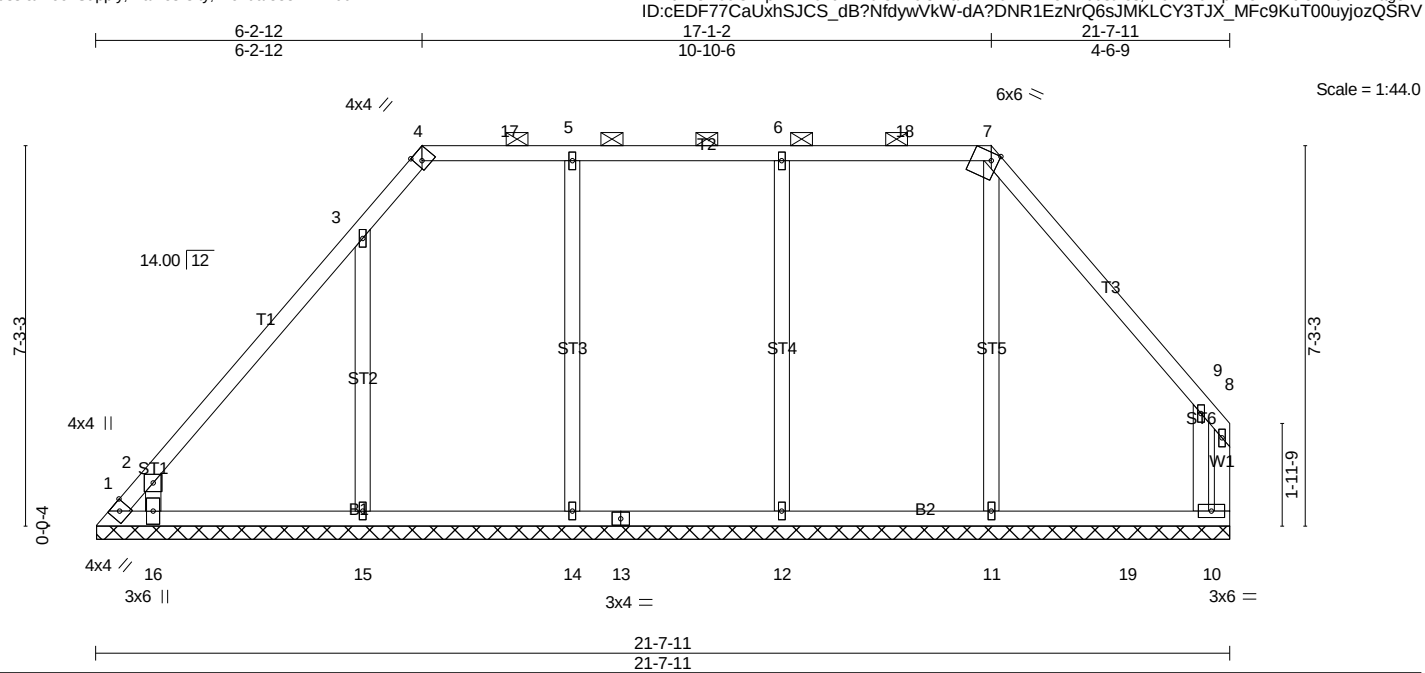


Plate Offsets (X,Y)-- [4:0-1-5,Edge], [7:0-1-9,Edge]

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	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 117 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-7.
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. All bearings 21-7-7.

(lb) - Max Horz 1=-288(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 14 except 1=-432(LC 10), 10=-216(LC 12), 12=-115(LC 9), 15=-161(LC 9), 16=-469(LC 12)

Max Grav All reactions 250 lb or less at joint(s) except 1=314(LC 11), 10=358(LC 18), 11=357(LC 17), 12=418(LC 17), 14=412(LC 17), 15=534(LC 17), 16=446(LC 17)

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

TOP CHORD 1-2=-446/509, 2-3=-426/316, 3-4=-304/322, 4-17=-297/327, 5-17=-297/327, 5-6=-297/327, 6-18=-296/326, 7-18=-297/326, 7-8=-306/300

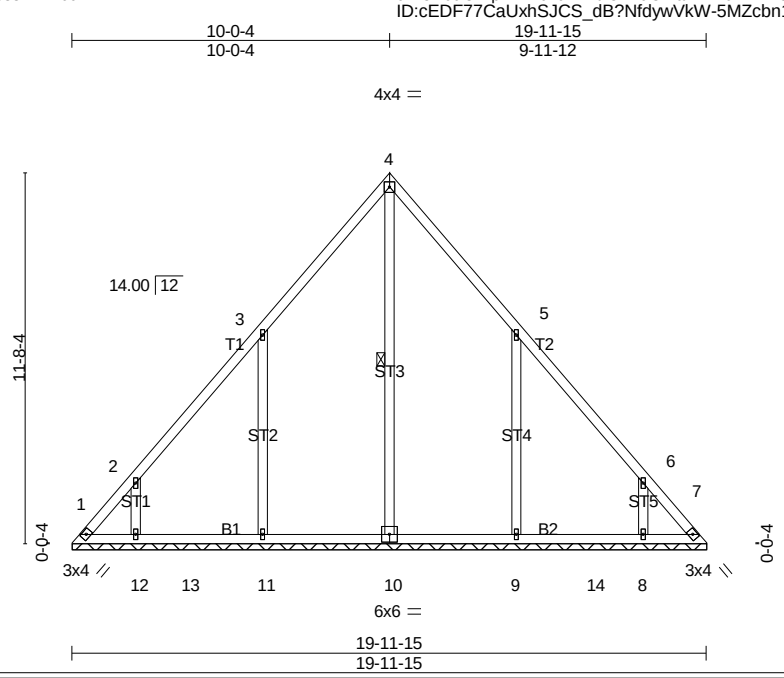
WEBS 6-12=-263/237, 3-15=-390/230, 2-16=-708/683, 8-10=-546/484

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=31ft; B=83ft; L=65ft; eave=8ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-3-13 to 15-5-3, Interior(1) 15-5-3 to 17-1-2, Exterior(2) 17-1-2 to 21-5-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 1=432, 10=216, 12=115, 15=161, 16=469.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	V03	Valley	1	1	Job Reference (optional)



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	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 115 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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.
WEBS 1 Row at midpt 4-10

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

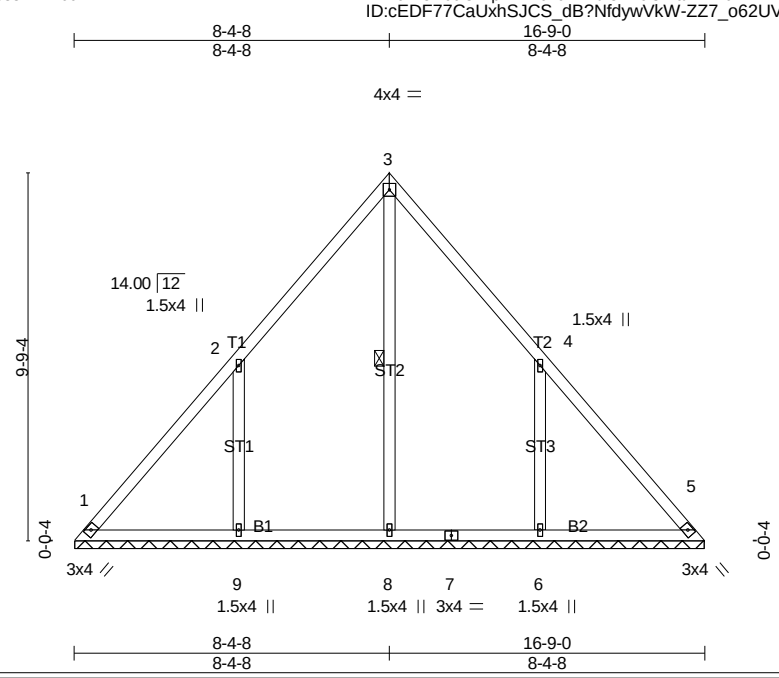
REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 1=-524(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-334(LC 10), 7=-263(LC 11), 11=-397(LC 12), 12=-299(LC 12), 9=-397(LC 12), 8=-299(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 1=340(LC 9), 7=319(LC 12), 10=329(LC 17), 11=655(LC 17), 12=417(LC 17), 9=654(LC 18), 8=418(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-537/488, 2-3=-342/332, 3-4=-315/316, 4-5=-315/316, 5-6=-271/237, 6-7=-536/433
BOT CHORD 1-12=-283/367, 12-13=-283/367, 11-13=-283/367, 10-11=-283/367, 9-10=-283/367, 9-14=-283/367, 8-14=-283/367, 7-8=-283/367
WEBS 4-10=-278/174, 3-11=-606/572, 2-12=-460/436, 5-9=-606/572, 6-8=-460/436

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=34ft; B=83ft; L=65ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-3-13 to 6-9-14, Exterior(2) 6-9-14 to 10-0-4, Corner(3) 10-0-4 to 16-6-5, Exterior(2) 16-6-5 to 19-8-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 334 lb uplift at joint 1, 263 lb uplift at joint 7, 397 lb uplift at joint 11, 299 lb uplift at joint 12, 397 lb uplift at joint 9 and 299 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	V04	Valley	1	1	Job Reference (optional)



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	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 89 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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.
WEBS 1 Row at midpt 3-8

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

REACTIONS. All bearings 16-8-10.
(lb) - Max Horz 1=-437(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 5 except 1=-132(LC 10), 9=-442(LC 12), 6=-442(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 5 except 1=289(LC 18), 8=330(LC 17), 9=647(LC 17), 6=647(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-326/347, 2-3=-273/269, 3-4=-273/269, 4-5=-291/268
BOT CHORD 1-9=-231/309, 8-9=-231/309, 7-8=-231/309, 6-7=-231/309, 5-6=-231/309
WEBS 2-9=-664/641, 4-6=-664/641

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; B=83ft; L=65ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-3-13 to 6-9-14, Exterior(2) 6-9-14 to 8-4-8, Corner(3) 8-4-8 to 14-10-10, Exterior(2) 14-10-10 to 16-5-3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 1=132, 9=442, 6=442.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	V05	Valley	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:57 2021 Page 1
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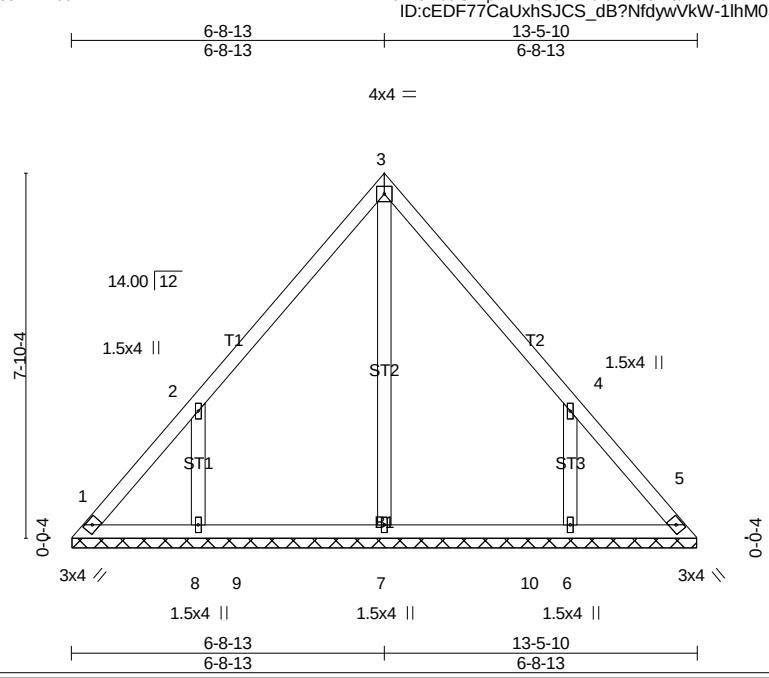


LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 68 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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.

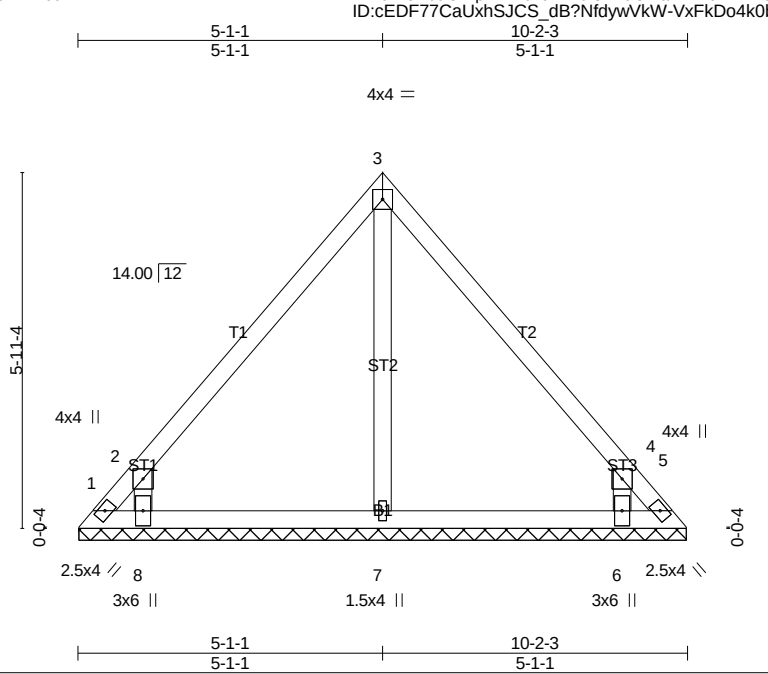
REACTIONS. All bearings 13-5-3.
(lb) - Max Horz 1=-349(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-161(LC 10), 5=-113(LC 11), 8=-358(LC 12), 6=-358(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=342(LC 17), 8=515(LC 17), 6=514(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-283/300, 4-5=-266/237
WEBS 2-8=-566/566, 4-6=-566/566

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=36ft; B=83ft; L=65ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 161 lb uplift at joint 1, 113 lb uplift at joint 5, 358 lb uplift at joint 8 and 358 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	V06	Valley	1	1	Job Reference (optional)



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)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 47 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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. All bearings 10-1-12.
(lb) - Max Horz 1=-261(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-329(LC 10), 5=-293(LC 11), 8=-402(LC 12), 6=-402(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 5, 7 except 1=258(LC 9), 8=538(LC 17), 6=538(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-420/353, 4-5=-420/337
WEBS 2-8=-690/719, 4-6=-690/719

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=37ft; B=83ft; L=65ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 329 lb uplift at joint 1, 293 lb uplift at joint 5, 402 lb uplift at joint 8 and 402 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	V07	Valley	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

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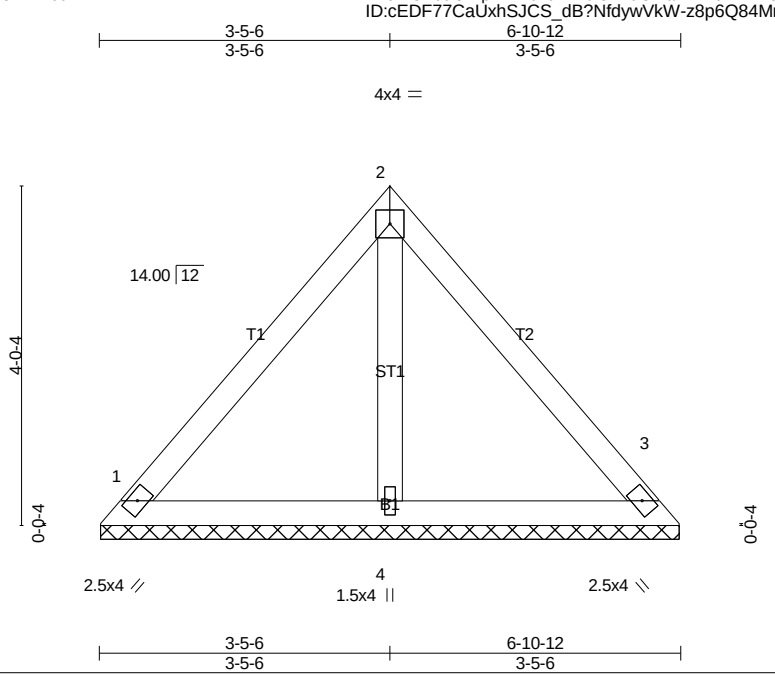

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 30 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 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) 1=160/6-10-5 (min. 0-1-8), 3=160/6-10-5 (min. 0-1-8), 4=180/6-10-5 (min. 0-1-8)
Max Horz 1=-172(LC 10)
Max Uplift1=-85(LC 12), 3=-85(LC 12)
Max Grav 1=168(LC 18), 3=160(LC 1), 4=190(LC 3)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=38ft; B=83ft; L=65ft; eave=3ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 1 and 85 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
JR366-20	V08	Valley	1	1	Job Reference (optional)

Standard Truss & Roof Supply, Haines City, Florida 33844-4400

Run: 8.400 s Apr 21 2020 Print: 8.420 s Mar 22 2021 MiTek Industries, Inc. Thu Apr 15 14:46:59 2021 Page 1
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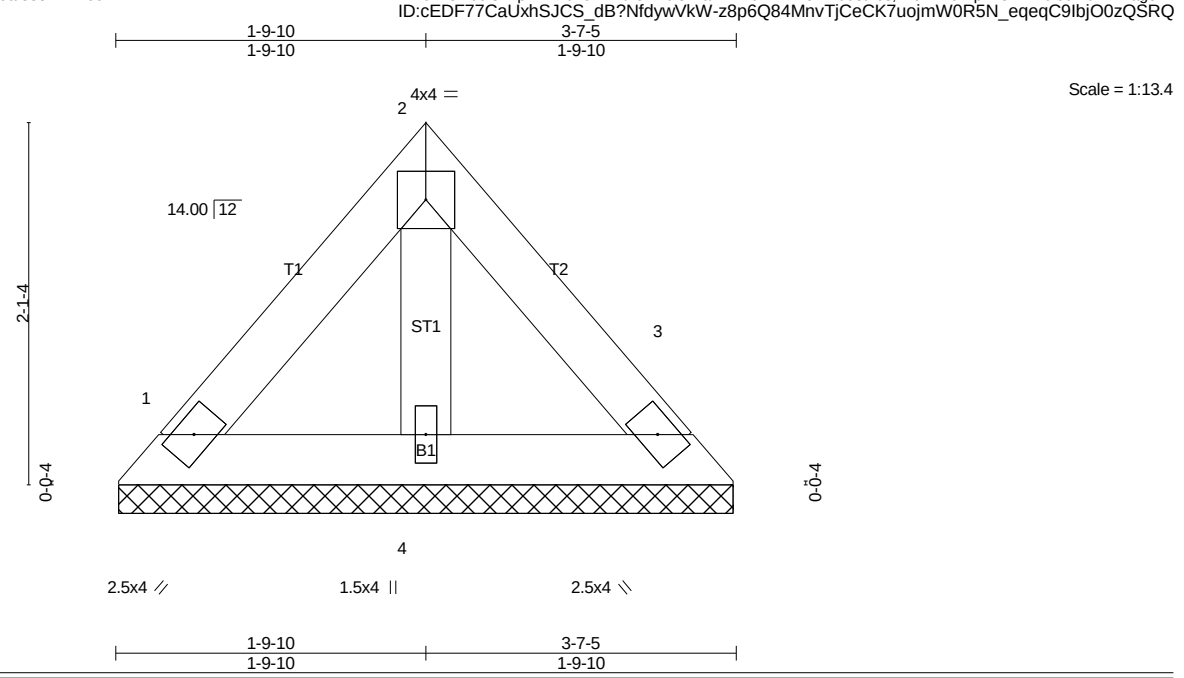

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-5 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=76/3-6-14 (min. 0-1-8), 3=76/3-6-14 (min. 0-1-8), 4=86/3-6-14 (min. 0-1-8)
Max Horz 1=-82(LC 10)
Max Uplift1=-41(LC 12), 3=-41(LC 12)
Max Grav 1=80(LC 18), 3=76(LC 1), 4=91(LC 3)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=6.0psf; BCDL=6.0psf; h=39ft; B=83ft; L=65ft; eave=1ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 1 and 41 lb uplift at joint 3.

LOAD CASE(S) Standard