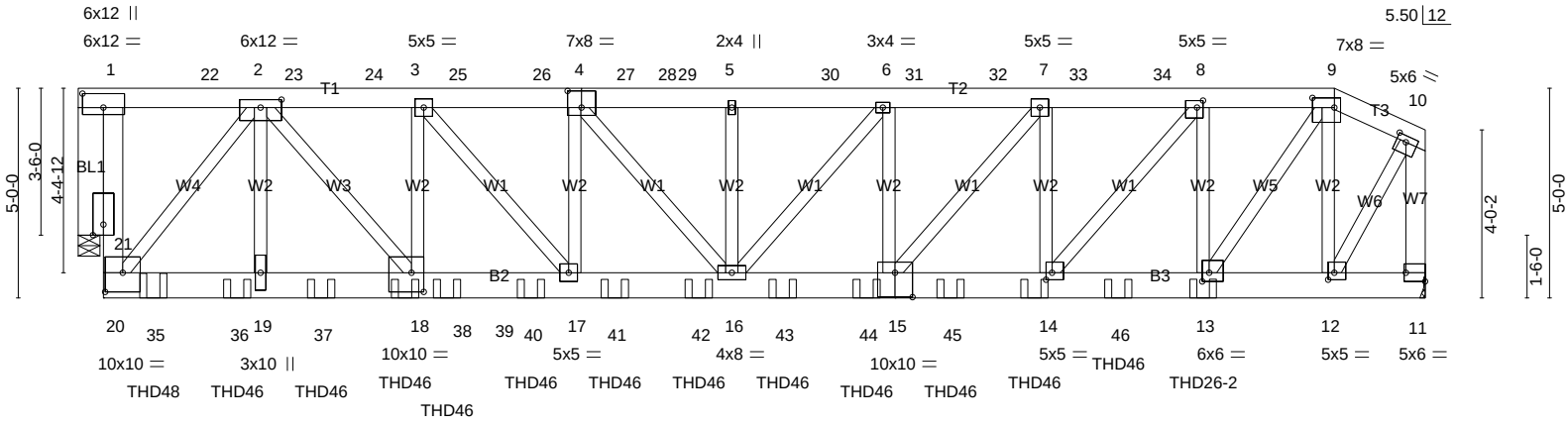
Job	Truss	Truss Type	Qty	Ply	
413220	01A	ROOF SPECIAL GIRDER	1	3	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:09 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-YHK6bSAc7bqnUh8KlMOcp9wSaHzUagsoIeBt8tzdgBi

0-7-4	4-4-3	8-1-2	11-10-1	15-6-15	19-3-14	23-0-13	26-9-12	29-11-5	32-1-4
0-7-4	3-8-15	3-8-15	3-8-15	3-8-15	3-8-15	3-8-15	3-8-15	3-1-9	2-1-15

Scale = 1:54.4



0-7-4	4-4-3	8-1-2	11-10-1	15-6-15	19-3-14	23-0-13	26-9-12	29-11-5	32-1-4
0-7-4	3-8-15	3-8-15	3-8-15	3-8-15	3-8-15	3-8-15	3-8-15	3-1-9	2-1-15

Plate Offsets (X,Y)-- [1:0-6-0,0-4-0], [2:0-6-0,0-2-4], [4:0-4-0,0-4-12], [8:0-1-12,0-2-0], [9:0-6-4,0-2-12], [10:0-2-12,0-1-12], [11:Edge,0-2-8], [12:0-1-12,0-2-0], [13:0-2-0,0-2-8], [14:0-1-12,0-2-0], [15:0-5-0,0-7-0], [18:0-3-8,0-5-8], [20:0-5-0,0-5-8], [21:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.62	Vert(LL)	-0.15	16	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.44	16	>847	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.12	16	>999	240	Weight: 937 lb	FT = 10%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
T2: 2x6 SP DSS
BOT CHORD 2x8 SP DSS *Except*
B1: 2x6 SP DSS
WEBS 2x4 SP No.2 *Except*
W3,W5: 2x4 SP M 31, W7: 2x6 SP No.2
OTHERS 2x8 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 11=9595/Mechanical, 21=13505/0-6-4 (min. 0-2-8)
Max Horz 21=-133(LC 8)
Max Uplift 11=-804(LC 5), 21=-812(LC 4)
Max Grav 11=10066(LC 2), 21=15093(LC 2)

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

TOP CHORD 1-22=-368/36, 2-22=-368/36, 2-23=-18067/1181, 23-24=-18067/1181, 3-24=-18067/1181, 3-25=-21960/1630, 25-26=-21960/1630, 4-26=-21960/1630, 4-27=-23398/1796, 27-28=-23398/1796, 28-29=-23398/1796, 5-29=-23398/1796, 5-30=-23398/1796, 6-30=-23398/1796, 6-31=-21738/1646, 31-32=-21738/1646, 7-32=-21738/1646, 7-33=-17737/1361, 33-34=-17737/1361, 8-34=-17737/1361, 8-9=-11206/868, 9-10=-5205/411, 10-11=-9924/798

BOT CHORD 20-21=-724/14295, 1-21=-840/88, 20-35=-523/10284, 35-36=-523/10284, 19-36=-523/10284, 19-37=-523/10284, 37-38=-523/10284, 18-38=-523/10284, 18-39=-1080/18067, 39-40=-1080/18067, 17-40=-1080/18067, 17-41=-1558/22097, 41-42=-1558/22097, 16-42=-1558/22097, 16-43=-1703/21858, 43-44=-1703/21858, 15-44=-1703/21858, 15-45=-1405/17737, 14-45=-1405/17737, 14-46=-913/11206, 13-46=-913/11206, 12-13=-388/4356

WEBS 2-20=-16041/926, 2-19=-318/2733, 2-18=-892/12119, 3-18=-6144/691, 3-17=-739/6072, 4-17=-4154/624, 4-16=-343/2191, 5-16=-2677/423, 6-16=-227/2401, 6-15=-3699/441, 7-15=-528/6381, 7-14=-6636/644, 8-14=-767/10172, 8-13=-8760/790, 9-13=-915/11947, 9-12=-7511/650, 10-12=-707/8662

NOTES-

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 3 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 roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

Continued on page 2

NOTES-

5) Provide adequate drainage to prevent water ponding.
6) Concentrated loads from layout are not present in Load Case(s): #3 Dead + Uninhabitable Attic Without Storage; #4 Dead + 0.6 MWFRS Wind (Pos. Internal) Left; #5 Dead + 0.6 MWFRS Wind (Pos. Internal) Right; #6 Dead + 0.6 MWFRS Wind (Neg. Internal) Left; #7 Dead + 0.6 MWFRS Wind (Neg. Internal) Right; #8 Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel; #9 Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel; #10 Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel; #11 Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel; #16 Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left); #17 Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right); #18 Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel); #19 Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel).
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) Refer to girder(s) for truss to truss connections.
10) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 804 lb uplift at joint 11 and 812 lb uplift at joint 21.
12) Load case(s) 1, 2, 12, 17, 18, 19, 20 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) Use USP THD48 (With 28-16d nails into Girder & 16-10d nails into Truss) or equivalent at 1-9-8 from the left end to connect truss(es) F35 (1 ply 2x4 SP) to back face of bottom chord.
14) Use USP THD46 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-9-8 from the left end to 24-9-8 to connect truss(es) F35 (1 ply 2x4 SP), F36 (1 ply 2x4 SP) to back face of bottom chord.
15) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 26-9-12 from the left end to connect truss(es) FG7 (2 ply 2x6 SP) to back face of bottom chord.
16) Fill all nail holes where hanger is in contact with lumber.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 367 lb down and 96 lb up at 0-10-0, 360 lb down and 94 lb up at 3-1-1, 440 lb down and 115 lb up at 5-1-1, 531 lb down and 139 lb up at 7-0-0, 531 lb down and 139 lb up at 9-0-0, 531 lb down and 139 lb up at 11-0-0, 531 lb down and 139 lb up at 13-0-0, 1783 lb down and 467 lb up at 13-9-12, 835 lb down and 219 lb up at 15-10-8, 1182 lb down and 310 lb up at 21-10-8, 363 lb down and 95 lb up at 23-9-7, 367 lb down and 96 lb up at 25-9-7, 438 lb down and 115 lb up at 26-9-12, and 835 lb down and 219 lb up at 17-10-8, and 835 lb down and 219 lb up at 19-10-8 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: 1-8=-170, 8-9=-70, 9-10=-70, 11-20=-20
   Concentrated Loads (lb)
      Vert: 1=-326 5=-742 14=-425(B) 8=-389 13=-627(B) 22=-320 23=-391 24=-472 25=-472 26=-472 27=-472 29=-1585 30=-742 31=-742 32=-1051 33=-323 34=-326 35=-1108(B) 36=-1108(B) 37=-1108(B) 38=-1108(B) 39=-425(B) 40=-425(B) 41=-425(B) 42=-425(B) 43=-425(B) 44=-425(B) 45=-425(B) 46=-425(B)
2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-8=-150, 8-9=-60, 9-10=-60, 11-20=-20
   Concentrated Loads (lb)
      Vert: 1=-290 5=-660 14=-634(B) 8=-346 13=-620(B) 22=-284 23=-348 24=-420 25=-420 26=-420 27=-420 29=-1409 30=-660 31=-660 32=-934 33=-287 34=-290 35=-1542(B) 36=-1542(B) 37=-1542(B) 38=-1542(B) 39=-634(B) 40=-634(B) 41=-634(B) 42=-634(B) 43=-634(B) 44=-634(B) 45=-634(B) 46=-634(B)
12) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
   Uniform Loads (plf)
      Vert: 1-8=-90, 8-9=-30, 9-10=-30, 11-20=-20
   Concentrated Loads (lb)
      Vert: 1=-181 5=-412 14=-704(B) 8=-216 13=-617(B) 22=-178 23=-217 24=-262 25=-262 26=-262 27=-262 29=-881 30=-412 31=-412 32=-584 33=-179 34=-181 35=-1686(B) 36=-1686(B) 37=-1686(B) 38=-1686(B) 39=-704(B) 40=-704(B) 41=-704(B) 42=-704(B) 43=-704(B) 44=-704(B) 45=-704(B) 46=-704(B)
17) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-8=-170, 8-9=-70, 9-10=-30, 11-20=-20
   Concentrated Loads (lb)
      Vert: 1=-326 5=-742 14=-425(B) 8=-389 13=-627(B) 22=-320 23=-391 24=-472 25=-472 26=-472 27=-472 29=-1585 30=-742 31=-742 32=-1051 33=-323 34=-326 35=-1108(B) 36=-1108(B) 37=-1108(B) 38=-1108(B) 39=-425(B) 40=-425(B) 41=-425(B) 42=-425(B) 43=-425(B) 44=-425(B) 45=-425(B) 46=-425(B)
18) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-8=-170, 8-9=-70, 9-10=-70, 11-20=-20
   Concentrated Loads (lb)
      Vert: 1=-326 5=-742 14=-425(B) 8=-389 13=-627(B) 22=-320 23=-391 24=-472 25=-472 26=-472 27=-472 29=-1585 30=-742 31=-742 32=-1051 33=-323 34=-326 35=-1108(B) 36=-1108(B) 37=-1108(B) 38=-1108(B) 39=-425(B) 40=-425(B) 41=-425(B) 42=-425(B) 43=-425(B) 44=-425(B) 45=-425(B) 46=-425(B)
19) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-8=-150, 8-9=-60, 9-10=-30, 11-20=-20
   Concentrated Loads (lb)
      Vert: 1=-290 5=-660 14=-634(B) 8=-346 13=-620(B) 22=-284 23=-348 24=-420 25=-420 26=-420 27=-420 29=-1409 30=-660 31=-660 32=-934 33=-287 34=-290 35=-1542(B) 36=-1542(B) 37=-1542(B) 38=-1542(B) 39=-634(B) 40=-634(B) 41=-634(B) 42=-634(B) 43=-634(B) 44=-634(B) 45=-634(B) 46=-634(B)
20) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-8=-150, 8-9=-60, 9-10=-60, 11-20=-20
   Concentrated Loads (lb)
      Vert: 1=-290 5=-660 14=-634(B) 8=-346 13=-620(B) 22=-284 23=-348 24=-420 25=-420 26=-420 27=-420 29=-1409 30=-660 31=-660 32=-934 33=-287 34=-290 35=-1542(B) 36=-1542(B) 37=-1542(B) 38=-1542(B) 39=-634(B) 40=-634(B) 41=-634(B) 42=-634(B) 43=-634(B) 44=-634(B) 45=-634(B) 46=-634(B)

Job	Truss	Truss Type	Qty	Ply	
413220	01B	Hip	1	1	Job Reference (optional)

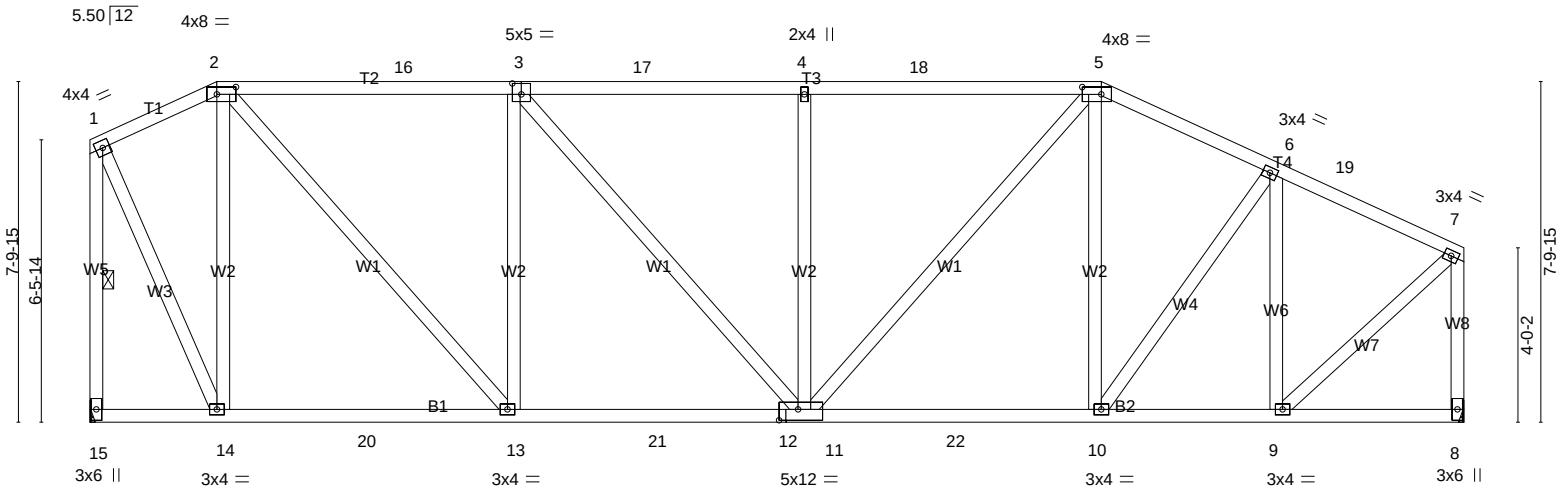
TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:11 2019 Page 1

ID:LTHF4EcV9tayzxn_hS4OfoznULZ-UgSt08BsfC4Uj?IjsnR4ua?nX4eF2Zr5lyg_DmzdgBg

2-11-0	9-8-15	16-5-1	23-3-0	27-3-4	31-7-0
2-11-0	6-9-15	6-8-3	6-9-15	4-0-4	4-3-12

Scale = 1:53.0



2-11-0	9-8-15	16-5-1	23-3-0	27-3-4	31-7-0
2-11-0	6-9-15	6-8-3	6-9-15	4-0-4	4-3-12

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

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	0.65	Vert(LL)	-0.08	10-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.54	Vert(CT)	-0.18	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.99	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.05	11	>999	240	Weight: 232 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-5-14 oc bracing.
WEBS 1 Row at midpt 1-15

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

REACTIONS. (lb/size) 15=1408/Mechanical, 8=1408/Mechanical
Max Horz 15=-283(LC 10)
Max Uplift 15=-269(LC 8), 8=-239(LC 12)
Max Grav 15=1445(LC 19), 8=1408(LC 1)

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

TOP CHORD 1-2=-675/283, 2-16=-1346/460, 3-16=-1346/460, 3-17=-1533/507, 4-17=-1533/507, 4-18=-1533/507, 5-18=-1533/507, 5-6=-1368/425, 6-19=-989/324, 7-19=-1083/316, 1-15=-1439/426, 7-8=-1366/404
BOT CHORD 14-15=-253/313, 14-20=-197/633, 13-20=-197/633, 13-21=-383/1419, 12-21=-383/1419, 11-12=-383/1419, 11-22=-320/1194, 10-22=-320/1194, 9-10=-281/930
WEBS 2-14=-990/425, 2-13=-349/1226, 3-13=-741/339, 3-11=-119/316, 4-11=-491/245, 5-11=-155/586, 5-10=-252/123, 6-10=-71/490, 6-9=-752/266, 1-14=-376/1280, 7-9=-315/1215

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 7-1-15, Interior(1) 7-1-15 to 23-3-0, Exterior(2) 23-3-0 to 27-3-4, Interior(1) 27-3-4 to 31-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 269 lb uplift at joint 15 and 239 lb uplift at joint 8.

LOAD CASE(S) Standard

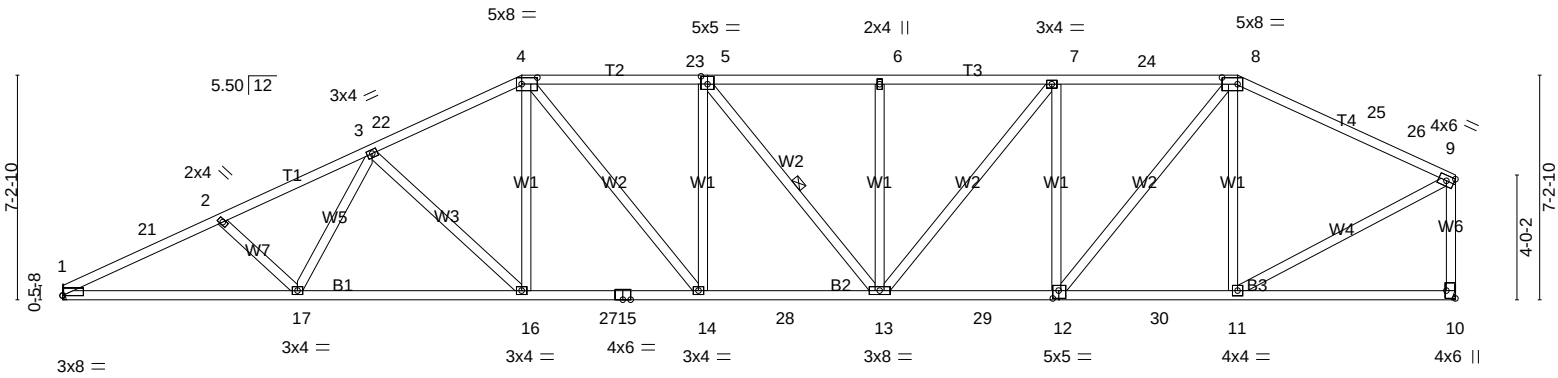
Job	Truss	Truss Type	Qty	Ply	
413220	01C	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:13 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-Q3ZdRpD6BqKCzIS5_CTYz?56guGJWVuODG94HezdgBe

5-1-12	9-11-6	14-9-0	20-6-14	26-3-0	31-11-2	37-9-0	44-9-0
5-1-12	4-9-10	4-9-10	5-9-14	5-8-2	5-8-2	5-9-14	7-0-0

Scale = 1:74.0



7-6-9	14-9-0	20-6-14	26-3-0	31-11-2	37-9-0	44-9-0
7-6-9	7-2-7	5-9-14	5-8-2	5-8-2	5-9-14	7-0-0

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

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	0.74	Vert(LL)	-0.22	14	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.82	Vert(CT)	-0.51	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.89	Horz(CT)	0.16	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.20	14	>999	240	Weight: 275 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* T4: 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except* B1: 2x4 SP M 31
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-0 oc bracing.
WEBS 1 Row at midpt 5-13

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

REACTIONS. (lb/size) 1=2007/Mechanical, 10=2007/Mechanical
Max Horz 1=219(LC 11)
Max Uplift1=-344(LC 12), 10=-346(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-4104/990, 2-21=-4018/1005, 2-3=-3872/962, 3-22=-3245/877, 4-22=-3169/892, 4-23=-3249/938, 5-23=-3249/938, 5-6=-3160/918, 6-7=-3160/918, 7-24=-2657/804, 8-24=-2657/804, 8-25=-1917/574, 25-26=-1927/560, 9-26=-2006/559, 9-10=-1941/572
BOT CHORD 1-17=-1068/3660, 16-17=-964/3342, 16-27=-794/2946, 15-27=-794/2946, 14-15=-794/2946, 14-28=-874/3308, 13-28=-874/3308, 13-29=-714/2707, 12-29=-714/2707, 12-30=-463/1753, 11-30=-463/1753
WEBS 2-17=-267/172, 3-17=-26/394, 3-16=-599/237, 4-16=-88/595, 4-14=-163/685, 5-14=-422/189, 6-13=-374/176, 7-13=-194/806, 7-12=-1057/359, 8-12=-387/1510, 8-11=-771/312, 9-11=-470/1937

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-9-0, Exterior(2) 14-9-0 to 18-11-15, Interior(1) 18-11-15 to 37-9-0, Exterior(2) 37-9-0 to 41-11-15, Interior(1) 41-11-15 to 44-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 344 lb uplift at joint 1 and 346 lb uplift at joint 10.

LOAD CASE(S) Standard

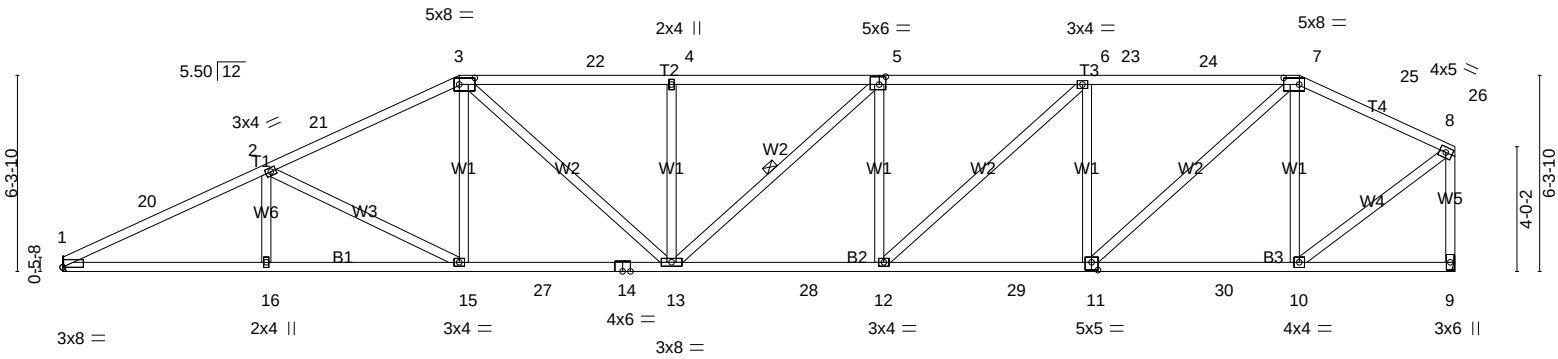
Job	Truss	Truss Type	Qty	Ply	
413220	01D	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:15 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-NRhNsVEMjRawCccU5dV02QAOZhwq_RjhgaeBMXzdgBc

6-6-9	12-9-0	19-6-14	26-3-0	32-11-2	39-9-0	44-9-0
6-6-9	6-2-7	6-9-14	6-8-2	6-8-2	6-9-14	5-0-0

Scale = 1:74.1



6-6-9	12-9-0	19-6-14	26-3-0	32-11-2	39-9-0	44-9-0
6-6-9	6-2-7	6-9-14	6-8-2	6-8-2	6-9-14	5-0-0

Plate Offsets (X,Y)-- [1:0-0-0,0-0-1], [3:0-6-0,0-2-8], [5:0-2-8,0-3-0], [7:0-6-0,0-2-8], [11:0-2-8,0-3-0]

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	0.97	Vert(LL)	-0.24	12-13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.94	Vert(CT)	-0.56	12-13	>955	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.74	Horz(CT)	0.17	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.22	12-13	>999	240	Weight: 258 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
T4,T3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x4 SP M 31
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-13

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

REACTIONS. (lb/size) 1=2007/Mechanical, 9=2007/Mechanical
Max Horz 1=203(LC 11)
Max Uplift1=-344(LC 12), 9=-346(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-4075/982, 2-20=-3978/1001, 2-21=-3475/904, 3-21=-3381/919, 3-22=-3727/1038, 4-22=-3727/1038, 4-5=-3727/1038, 5-23=-3657/1016, 6-23=-3657/1016, 6-24=-2911/843, 7-24=-2911/843, 7-25=-1651/506, 25-26=-1669/498, 8-26=-1726/491, 8-9=-1964/565
BOT CHORD 1-16=-1064/3616, 15-16=-1064/3616, 15-27=-864/3092, 14-27=-864/3092, 13-14=-864/3092, 13-28=-970/3667, 12-28=-970/3667, 12-29=-793/2957, 11-29=-793/2957, 11-30=-417/1507, 10-30=-417/1507
WEBS 2-15=-610/223, 3-15=-25/483, 3-13=-230/980, 4-13=-511/252, 5-12=-519/241, 6-12=-239/980, 6-11=-1171/411, 7-11=-493/1950, 7-10=-995/363, 8-10=-472/1866

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 12-9-0, Exterior(2) 12-9-0 to 16-11-15, Interior(1) 16-11-15 to 39-9-0, Exterior(2) 39-9-0 to 43-11-15, Interior(1) 43-11-15 to 44-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 344 lb uplift at joint 1 and 346 lb uplift at joint 9.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	01E	Half Hip	1	1	Job Reference (optional)

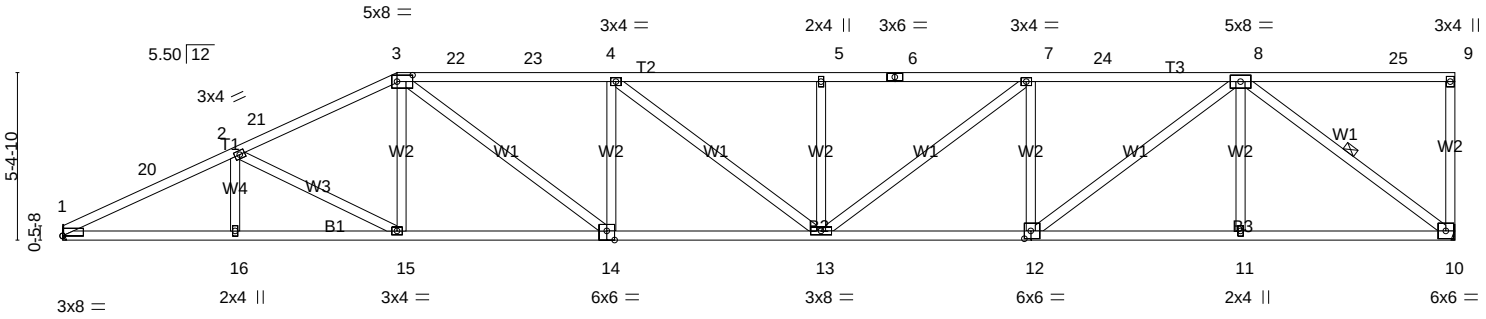
TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:16 2019 Page 1

ID:LTHF4EcV9tayzxn_hS4OfoznULZ-reFm3rF?UlinqmAgfL0FbejaV5JYjriqvEOluzzdgBb

5-6-9	10-9-0	17-7-10	24-4-9	31-1-7	37-10-6	44-9-0
5-6-9	5-2-7	6-10-10	6-8-14	6-8-14	6-8-14	6-10-10

Scale = 1:74.1



5-6-9	10-9-0	17-7-10	24-4-9	31-1-7	37-10-6	44-9-0
5-6-9	5-2-7	6-10-10	6-8-14	6-8-14	6-8-14	6-10-10

Plate Offsets (X,Y)-- [1:0-0-0,0-0-1], [3:0-6-0,0-2-8], [12:0-2-8,0-3-0], [14:0-3-0,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	0.83	Vert(LL)	-0.30	13-14	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.69	13-14	>776	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.19	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.27	13-14	>999	240	Weight: 249 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP M 31
BOT CHORD 2x4 SP M 31 *Except*
B3: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-1-11 oc bracing.
WEBS 1 Row at midpt 8-10

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

REACTIONS. (lb/size) 1=2007/Mechanical, 10=2007/Mechanical
Max Horz 1=219(LC 11)
Max Uplift1=-343(LC 12), 10=-385(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-4087/983, 2-20=-4000/992, 2-21=-3652/919, 3-21=-3578/936, 3-22=-4252/1131, 22-23=-4252/1131, 4-23=-4252/1131, 4-5=-4418/1158, 5-6=-4418/1158, 6-7=-4418/1158, 7-24=-3768/998, 8-24=-3768/998
BOT CHORD 1-16=-1158/3636, 15-16=-1158/3636, 14-15=-996/3259, 13-14=-1203/4270, 12-13=-1012/3768, 11-12=-641/2330, 10-11=-641/2330
WEBS 2-15=-434/182, 3-15=-17/410, 3-14=-308/1245, 4-14=-619/269, 5-13=-467/223, 7-13=-235/815, 7-12=-953/357, 8-12=-465/1802, 8-11=0/291, 8-10=-2887/730

NOTES-

1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-9-0, Exterior(2) 10-9-0 to 14-11-15, Interior(1) 14-11-15 to 44-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 343 lb uplift at joint 1 and 385 lb uplift at joint 10.

LOAD CASE(S) Standard

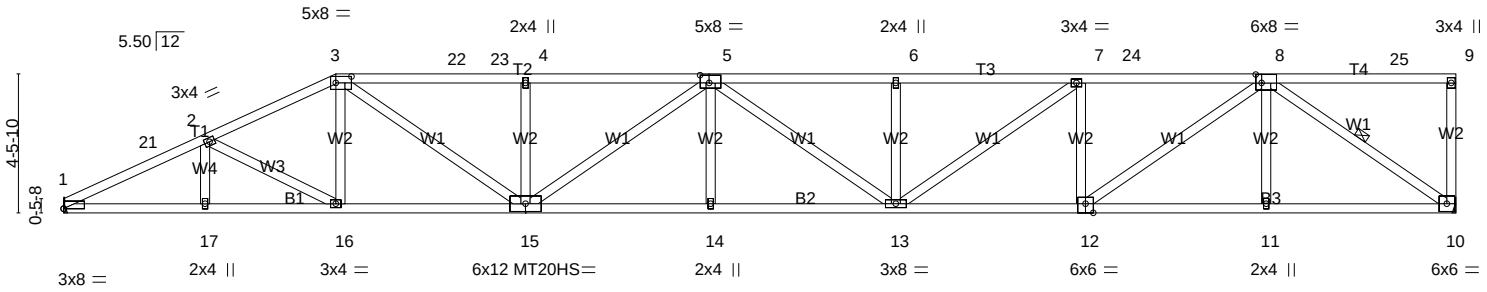
Job	Truss	Truss Type	Qty	Ply	
413220	01F	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:18 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-n0NWUXHF0MyV33K3nl3jg3oxKv?qBmq7MXtryszdgBZ

4-6-9	8-9-0	14-10-3	20-9-9	26-9-0	32-8-7	38-7-13	44-9-0
4-6-9	4-2-7	6-1-3	5-11-7	5-11-7	5-11-7	5-11-7	6-1-3

Scale = 1:74.1



4-6-9	8-9-0	14-10-3	20-9-9	26-9-0	32-8-7	38-7-13	44-9-0
4-6-9	4-2-7	6-1-3	5-11-7	5-11-7	5-11-7	5-11-7	6-1-3

Plate Offsets (X,Y)-- [1:0-0-0,0-0-1], [3:0-6-0,0-2-8], [5:0-3-8,0-3-0], [8:0-2-4,0-3-4], [12:0-3-0,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	0.81	Vert(LL)	-0.41	13-14	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.93	13-14	>578	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.22	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.37	13-14	>999	240	Weight: 246 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP M 31
BOT CHORD 2x4 SP M 31 *Except*
B3: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-1-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-6-14 oc bracing.
WEBS 1 Row at midpt 8-10

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

REACTIONS. (lb/size) 1=2007/Mechanical, 10=2007/Mechanical
Max Horz 1=180(LC 11)
Max Uplift1=-344(LC 12), 10=-382(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-4077/1002, 2-21=-3997/1012, 2-3=-3804/978, 3-22=-4820/1262, 22-23=-4820/1262, 4-23=-4820/1262, 4-5=-4820/1262, 5-6=-5200/1328, 6-24=-5200/1328, 7-24=-5200/1328, 7-8=-4209/1084
BOT CHORD 1-17=-1135/3633, 16-17=-1135/3633, 15-16=-1014/3425, 14-15=-1425/5388, 13-14=-1424/5390, 12-13=-1102/4246, 11-12=-691/2595, 10-11=-688/2599
WEBS 3-16=-11/328, 3-15=-416/1691, 4-15=-443/227, 5-15=-696/148, 6-13=-422/201, 7-13=-305/1165, 7-12=-1069/361, 8-12=-496/2005, 8-10=-3114/773

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-9-0, Exterior(2) 8-9-0 to 12-11-15, Interior(1) 12-11-15 to 44-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) All plates are MT20 plates unless otherwise indicated.
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 344 lb uplift at joint 1 and 382 lb uplift at joint 10.

LOAD CASE(S) Standard

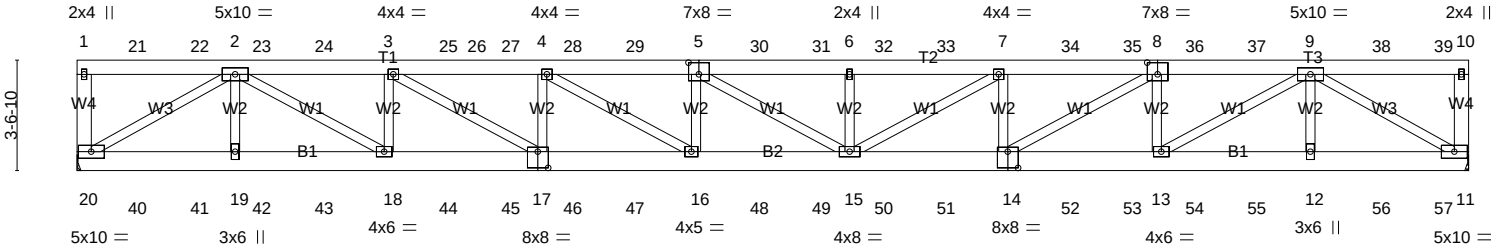
Job	Truss	Truss Type	Qty	Ply	
413220	01G	Flat Girder	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:22 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-gnc1KuKl3bTwYheq0b7frvzmAWRS7aUjH9r36dzdgBV

5-1-0	10-0-5	14-11-9	19-10-14	24-10-2	29-9-7	34-8-11	39-8-0	44-9-0
5-1-0	4-11-4	4-11-4	4-11-4	4-11-4	4-11-4	4-11-4	4-11-4	5-1-0

Scale = 1:74.1



5-1-0	10-0-5	14-11-9	19-10-14	24-10-2	29-9-7	34-8-11	39-8-0	44-9-0
5-1-0	4-11-4	4-11-4	4-11-4	4-11-4	4-11-4	4-11-4	4-11-4	5-1-0

Plate Offsets (X,Y)-- [5:0-4-0,0-4-8], [8:0-4-0,0-4-8], [14:0-4-0,0-6-4], [17:0-4-0,0-6-4]

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	0.24	Vert(LL)	-0.38	15-16	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.87	15-16	>608	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.35	15-16	>999	240	Weight: 707 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 SP DSS
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2 *Except*
W4: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 20=4048/Mechanical, 11=4146/Mechanical
Max Horz 20=-122(LC 4)
Max Uplift20=-693(LC 4), 11=-708(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-291/119, 2-23=-10359/1755, 23-24=-10359/1755, 3-24=-10359/1755, 3-25=-13236/2227, 25-26=-13236/2227, 26-27=-13236/2227, 4-27=-13236/2227, 4-28=-14806/2488, 28-29=-14806/2488, 5-29=-14806/2488, 5-30=-14766/2480, 30-31=-14766/2480, 6-31=-14766/2480, 6-32=-14766/2480, 32-33=-14766/2480, 7-33=-14766/2480, 7-34=-13252/2230, 34-35=-13252/2230, 8-35=-13252/2230, 8-36=-10373/1757, 36-37=-10373/1757, 9-37=-10373/1757, 10-11=-351/143
BOT CHORD 20-40=-965/5904, 40-41=-965/5904, 19-41=-965/5904, 19-42=-965/5904, 42-43=-965/5904, 18-43=-965/5904, 18-44=-1669/10359, 44-45=-1669/10359, 17-45=-1669/10359, 17-46=-2162/13312, 46-47=-2162/13312, 16-47=-2162/13312, 16-48=-2411/14826, 48-49=-2411/14826, 15-49=-2411/14826, 15-50=-2165/13328, 50-51=-2165/13328, 14-51=-2165/13328, 14-52=-1727/10353, 52-53=-1727/10353, 13-53=-1727/10353, 13-54=-1025/5920, 54-55=-1025/5920, 12-55=-1025/5920, 12-56=-1025/5920, 56-57=-1025/5920, 11-57=-1025/5920
WEBS 2-20=-6770/1133, 2-19=0/372, 2-18=-860/5220, 3-18=-2453/565, 3-17=-557/3400, 4-17=-1590/428, 4-16=-282/1750, 5-16=-636/268, 6-15=-632/267, 7-15=-269/1686, 7-14=-1567/423, 8-14=-564/3422, 8-13=-2455/567, 9-13=-860/5219, 9-12=0/377, 9-11=-6787/1138

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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.

Continued on page 2

NOTES-

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 693 lb uplift at joint 20 and 708 lb uplift at joint 11.

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 129 lb down and 114 lb up at 1-9-12, 129 lb down and 114 lb up at 3-9-12, 129 lb down and 114 lb up at 5-9-12, 129 lb down and 114 lb up at 7-9-12, 129 lb down and 114 lb up at 9-9-12, 129 lb down and 114 lb up at 11-9-12, 129 lb down and 114 lb up at 13-9-12, 129 lb down and 114 lb up at 15-9-12, 129 lb down and 114 lb up at 17-9-12, 129 lb down and 114 lb up at 19-9-12, 129 lb down and 114 lb up at 21-9-12, 129 lb down and 114 lb up at 23-9-12, 129 lb down and 114 lb up at 25-9-12, 129 lb down and 114 lb up at 27-9-12, 129 lb down and 114 lb up at 29-9-12, 129 lb down and 114 lb up at 31-9-12, 129 lb down and 114 lb up at 33-9-12, 129 lb down and 114 lb up at 35-9-12, 129 lb down and 114 lb up at 37-9-12, 129 lb down and 114 lb up at 39-9-12, and 129 lb down and 114 lb up at 41-9-12, and 139 lb down and 110 lb up at 43-9-12 on top chord, and 88 lb down at 1-9-12, 88 lb down at 3-9-12, 88 lb down at 5-9-12, 88 lb down at 7-9-12, 88 lb down at 9-9-12, 88 lb down at 11-9-12, 88 lb down at 13-9-12, 88 lb down at 15-9-12, 88 lb down at 17-9-12, 88 lb down at 19-9-12, 88 lb down at 21-9-12, 88 lb down at 23-9-12, 88 lb down at 25-9-12, 88 lb down at 27-9-12, 88 lb down at 29-9-12, 88 lb down at 31-9-12, 88 lb down at 33-9-12, 88 lb down at 35-9-12, 88 lb down at 37-9-12, 88 lb down at 39-9-12, and 88 lb down at 41-9-12, and 94 lb down at 43-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-10=-70, 11-20=-20

Concentrated Loads (lb)

Vert: 18=-62(F) 3=-129(F) 16=-62(F) 5=-129(F) 7=-129(F) 14=-62(F) 12=-62(F) 9=-129(F) 21=-129(F) 22=-129(F) 23=-129(F) 24=-129(F) 25=-129(F) 27=-129(F) 28=-129(F) 29=-129(F) 30=-129(F) 31=-129(F) 32=-129(F) 33=-129(F) 34=-129(F) 35=-129(F) 36=-129(F) 37=-129(F) 38=-129(F) 39=-139(F) 40=-62(F) 41=-62(F) 42=-62(F) 43=-62(F) 44=-62(F) 45=-62(F) 46=-62(F) 47=-62(F) 48=-62(F) 49=-62(F) 50=-62(F) 51=-62(F) 52=-62(F) 53=-62(F) 54=-62(F) 55=-62(F) 56=-62(F) 57=-65(F)

Job	Truss	Truss Type	Qty	Ply	
413220	02A	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:24 2019 Page 1
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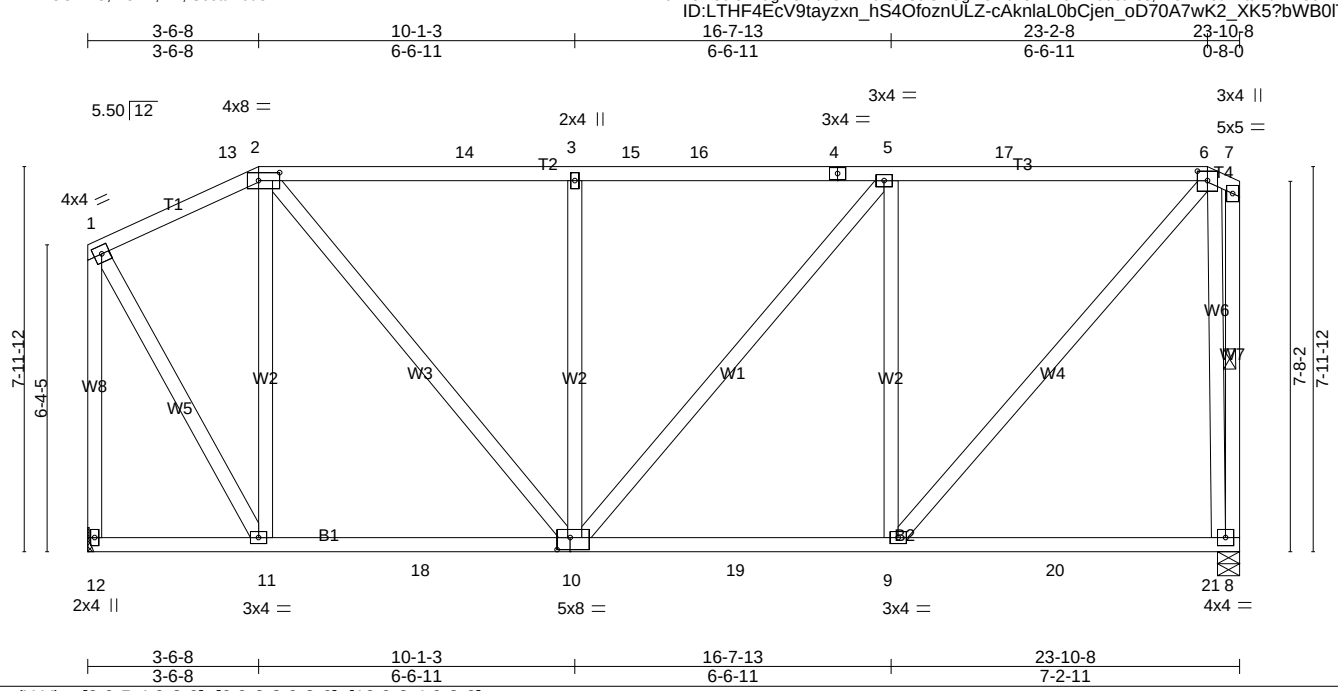

Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [6:0-2-8,0-2-6], [10:0-3-4,0-3-0]

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	0.76	Vert(LL)	-0.08	8-9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.15	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.04	9-10	>999	240	Weight: 189 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-2 oc bracing.
WEBS 1 Row at midpt 6-8

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

REACTIONS. (lb/size) 12=1061/Mechanical, 8=1061/0-5-8 (min. 0-1-8)
Max Horz 12=309(LC 11)
Max Uplift 12=-219(LC 8), 8=-300(LC 9)
Max Grav 12=1078(LC 18), 8=1154(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-588/224, 2-13=-511/234, 2-14=-875/290, 3-14=-875/290, 3-15=-880/293, 15-16=-880/293, 4-16=-880/293, 4-5=-880/293, 5-17=-811/297, 6-17=-811/297, 1-12=-1065/352
BOT CHORD 11-12=-366/338, 11-18=-401/587, 10-18=-401/587, 10-19=-341/813, 9-19=-341/813
WEBS 2-11=-636/327, 2-10=-216/685, 3-10=-487/252, 5-9=-611/355, 6-9=-335/1078, 1-11=-287/925, 6-8=-1146/636

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-6-8, Exterior(2) 3-6-8 to 7-9-7, Interior(1) 7-9-7 to 23-2-8, Exterior(2) 23-2-8 to 23-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;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 219 lb uplift at joint 12 and 300 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	02B	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:26 2019 Page 1
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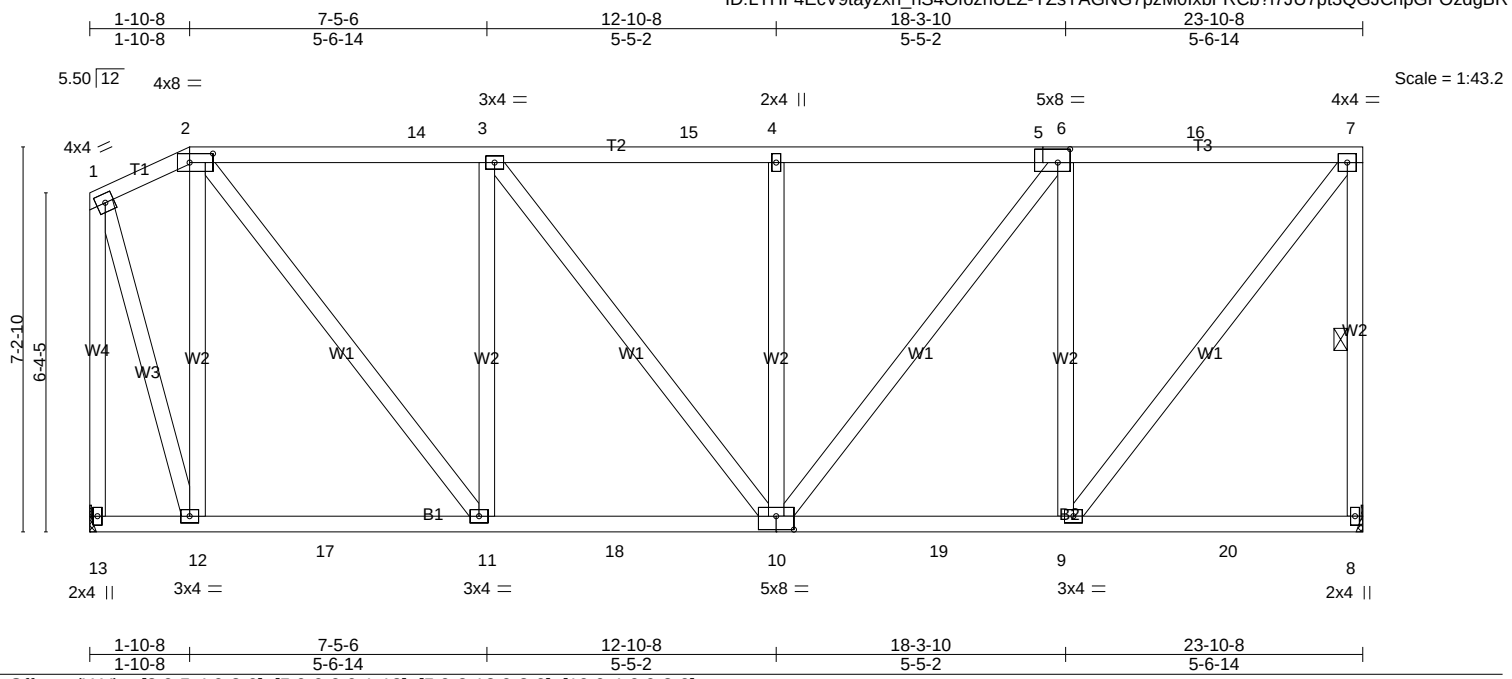


Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [5:0-0-0,0-1-12], [5:0-2-12,0-3-0], [10:0-4-0,0-3-0]

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	0.80	Vert(LL)	-0.04	10-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.09	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.04	10	>999	240	Weight: 189 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-11-13 oc bracing.
WEBS 1 Row at midpt 7-8

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

REACTIONS. (lb/size) 8=1061/Mechanical, 13=1061/Mechanical
Max Horz 13=282(LC 9)
Max Uplift 8=-306(LC 9), 13=-257(LC 8)
Max Grav 8=1133(LC 17), 13=1099(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-403/207, 2-14=-866/273, 3-14=-866/273, 3-15=-963/292, 4-15=-963/292, 4-5=-963/292, 5-6=-963/292, 6-16=-747/267, 7-16=-747/267, 7-8=-1032/356, 1-13=-1095/315
BOT CHORD 12-13=-326/314, 12-17=-353/472, 11-17=-353/472, 11-18=-431/912, 10-18=-431/912, 10-19=-296/734, 9-19=-296/734
WEBS 2-12=-821/385, 2-11=-282/926, 3-11=-570/283, 4-10=-359/176, 6-10=-176/425, 6-9=-735/358, 7-9=-347/1136, 1-12=-315/1002

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 6-1-7, Interior(1) 6-1-7 to 23-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;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 306 lb uplift at joint 8 and 257 lb uplift at joint 13.

LOAD CASE(S) Standard

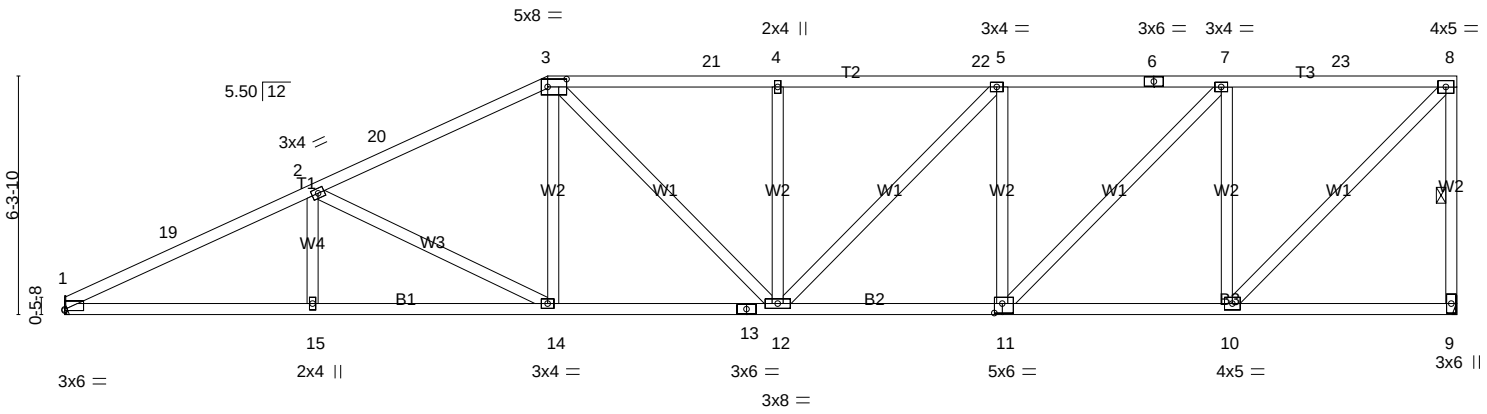
Job	Truss	Truss Type	Qty	Ply	
413220	02C	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:28 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-UxzIbyOWfRD4Gc5_MsE34ADgvxOMXImbf5INJHzdgBP

6-6-9	12-9-0	18-9-14	24-9-0	30-8-2	36-9-0
6-6-9	6-2-7	6-0-14	5-11-2	5-11-2	6-0-14

Scale = 1:60.8



6-6-9	12-9-0	18-9-14	24-9-0	30-8-2	36-9-0
6-6-9	6-2-7	6-0-14	5-11-2	5-11-2	6-0-14

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

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	0.74	Vert(LL)	-0.16	12	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.78	Vert(CT)	-0.36	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.82	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.14	12	>999	240	Weight: 216 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-4 oc bracing.
WEBS 1 Row at midpt 8-9

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

REACTIONS. (lb/size) 1=1647/Mechanical, 9=1647/Mechanical
Max Horz 1=259(LC 11)
Max Uplift1=-280(LC 12), 9=-352(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-3266/766, 2-19=-3174/779, 2-20=-2631/673, 3-20=-2534/692, 3-21=-2552/737, 4-21=-2552/737, 4-22=-2552/737, 5-22=-2552/737, 5-6=-2236/652, 6-7=-2236/652, 7-23=-1411/453, 8-23=-1411/453, 8-9=-1593/475
BOT CHORD 1-15=-985/2886, 14-15=-985/2886, 13-14=-776/2312, 12-13=-776/2312, 11-12=-675/2236, 10-11=-441/1411
WEBS 2-14=-652/234, 3-14=-34/477, 3-12=-96/358, 4-12=-444/225, 5-12=-166/450, 5-11=-718/304, 7-11=-333/1174, 7-10=-1290/467, 8-10=-534/1987

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 12-9-0, Exterior(2) 12-9-0 to 16-11-15, Interior(1) 16-11-15 to 36-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 1 and 352 lb uplift at joint 9.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	02D	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:29 2019 Page 1
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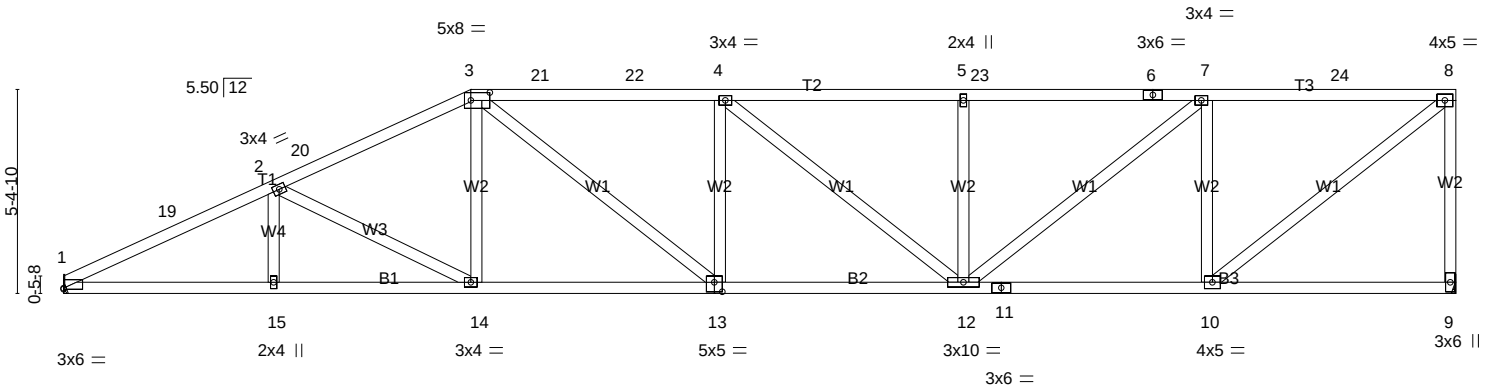
5-6-9	10-9-0	17-3-14	23-9-0	30-2-2	36-9-0
5-6-9	5-2-7	6-6-14	6-5-2	6-5-2	6-6-14

Scale = 1:60.8



5-6-9	10-9-0	17-3-14	23-9-0	30-2-2	36-9-0
5-6-9	5-2-7	6-6-14	6-5-2	6-5-2	6-6-14

Plate Offsets (X,Y)-- [1:0-0-0,0-0-5], [3:0-6-0,0-2-8], [13:0-2-8,0-3-0]

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	0.89	Vert(LL)	-0.19	13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.44	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.13	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.17	12-13	>999	240	Weight: 205 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-10 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=1647/Mechanical, 9=1647/Mechanical
Max Horz 1=219(LC 11)
Max Uplift1=-281(LC 12), 9=-348(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-3289/792, 2-19=-3205/801, 2-20=-2812/720, 3-20=-2736/736, 3-21=-3007/834, 21-22=-3007/834, 4-22=-3007/834, 4-5=-2750/760, 5-23=-2750/760, 6-23=-2750/760, 6-7=-2750/760, 7-24=-1782/525, 8-24=-1782/525, 8-9=-1587/470
BOT CHORD 1-15=-978/2914, 14-15=-978/2914, 13-14=-806/2495, 12-13=-891/3015, 11-12=-519/1782, 10-11=-519/1782
WEBS 2-14=-481/193, 3-14=-22/411, 3-13=-167/654, 4-13=-279/183, 4-12=-337/136, 5-12=-429/201, 7-12=-339/1236, 7-10=-1258/455, 8-10=-588/2243

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-9-0, Exterior(2) 10-9-0 to 14-11-15, Interior(1) 14-11-15 to 36-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 281 lb uplift at joint 1 and 348 lb uplift at joint 9.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	02E	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:31 2019 Page 1
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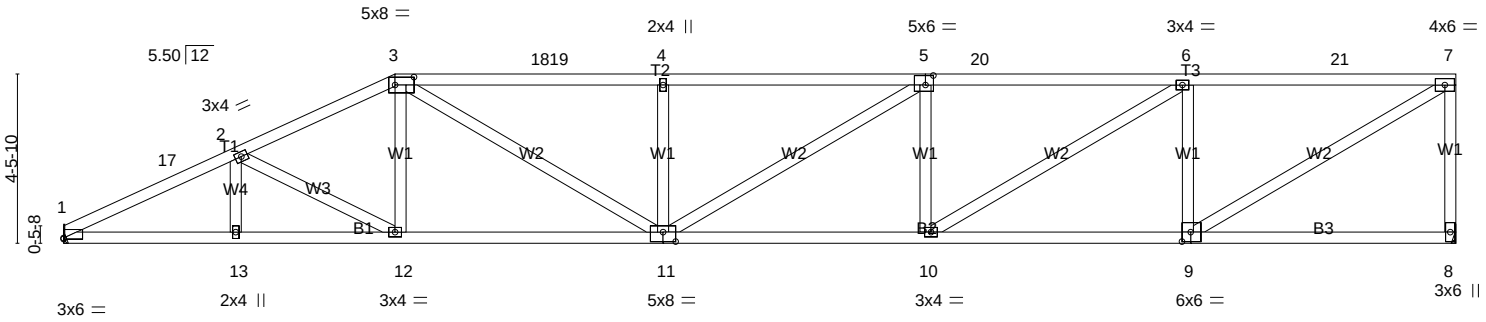
4-6-9	8-9-0	15-9-14	22-9-0	29-8-2	36-9-0
4-6-9	4-2-7	7-0-14	6-11-2	6-11-2	7-0-14

Scale = 1:60.8



4-6-9	8-9-0	15-9-14	22-9-0	29-8-2	36-9-0
4-6-9	4-2-7	7-0-14	6-11-2	6-11-2	7-0-14

Plate Offsets (X,Y)-- [1:0-0-0,0-0-5], [3:0-6-0,0-2-8], [5:0-2-8,0-3-0], [9:0-2-12,0-3-0], [11:0-4-0,0-3-0]

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	0.81	Vert(LL)	-0.23	10-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.54	10-11	>812	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.21	10-11	>999	240	Weight: 195 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 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=1647/Mechanical, 8=1647/Mechanical
Max Horz 1=180(LC 11)
Max Uplift1=-282(LC 12), 8=-345(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-3291/815, 2-17=-3213/822, 2-3=-2989/779, 3-18=-3636/978, 18-19=-3636/978, 4-19=-3636/978, 4-5=-3636/978, 5-20=-3469/919, 6-20=-3469/919, 6-21=-2287/629, 7-21=-2287/629, 7-8=-1583/465
BOT CHORD 1-13=-961/2921, 12-13=-961/2921, 11-12=-828/2675, 10-11=-941/3469, 9-10=-634/2309
WEBS 2-12=-287/149, 3-12=-5/353, 3-11=-278/1115, 4-11=-529/264, 5-10=-562/265, 6-10=-358/1355, 6-9=-1227/445, 7-9=-671/2636

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-9-0, Exterior(2) 8-9-0 to 12-11-15, Interior(1) 12-11-15 to 36-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 1 and 345 lb uplift at joint 8.

LOAD CASE(S) Standard

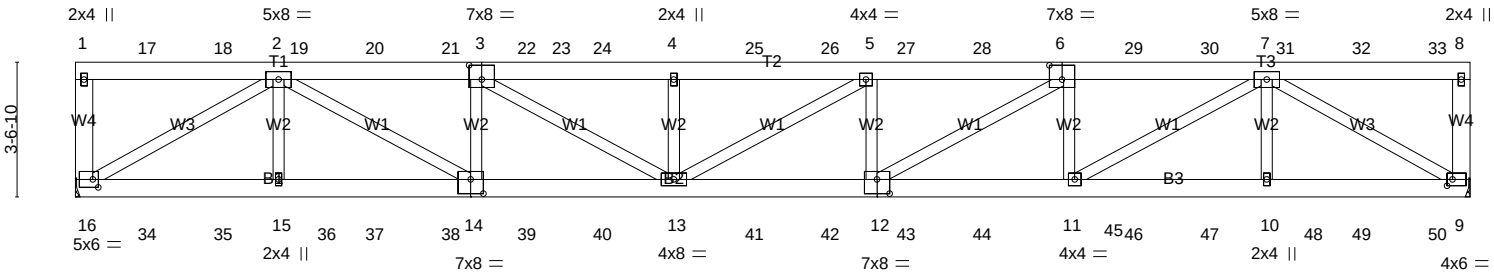
Job	Truss	Truss Type	Qty	Ply	
413220	02F	Flat Girder	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:34 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-J5LZr?THFHzD_XZ8j6LTKQSocMRfx2RU21liXwzdgBJ

5-4-4	10-6-12	15-9-4	20-11-12	26-2-4	31-4-12	36-9-0
5-4-4	5-2-8	5-2-8	5-2-8	5-2-8	5-2-8	5-4-4

Scale = 1:60.7



5-4-4	10-6-12	15-9-4	20-11-12	26-2-4	31-4-12	36-9-0
5-4-4	5-2-8	5-2-8	5-2-8	5-2-8	5-2-8	5-4-4

Plate Offsets (X,Y)-- [3:0-4-0,0-4-8], [6:0-4-0,0-4-8], [9:0-1-12,0-2-0], [12:0-4-0,0-4-8], [14:0-4-0,0-4-8], [16:0-1-12,0-2-8]

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	0.28	Vert(LL)	-0.22	12-13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.51	12-13	>847	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.21	12-13	>999	240	Weight: 530 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2 *Except*
W4: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=3120/Mechanical, 9=2809/Mechanical
Max Horz 16=125(LC 5)
Max Uplift16=-554(LC 4), 9=-507(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-294/124, 2-19=-7392/1265, 19-20=-7392/1265, 20-21=-7392/1265, 3-21=-7392/1265, 3-22=-8771/1501, 22-23=-8771/1501, 23-24=-8771/1501, 4-24=-8771/1501, 4-25=-8771/1501, 25-26=-8771/1501, 5-26=-8771/1501, 5-27=-8432/1449, 27-28=-8432/1449, 6-28=-8432/1449, 6-29=-6869/1190, 29-30=-6869/1190, 7-30=-6869/1190, 8-9=-287/121
BOT CHORD 16-34=-777/4563, 34-35=-777/4563, 15-35=-777/4563, 15-36=-777/4563, 36-37=-777/4563, 37-38=-777/4563, 14-38=-777/4563, 14-39=-1237/7529, 39-40=-1237/7529, 13-40=-1237/7529, 13-41=-1416/8467, 41-42=-1416/8467, 12-42=-1416/8467, 12-43=-1222/6959, 43-44=-1222/6959, 44-45=-1222/6959, 11-45=-1222/6959, 11-46=-753/4080, 46-47=-753/4080, 10-47=-753/4080, 10-48=-753/4080, 48-49=-753/4080, 49-50=-753/4080, 9-50=-753/4080
WEBS 2-16=-5201/908, 2-15=0/422, 2-14=-539/3315, 3-14=-1460/409, 3-13=-231/1455, 4-13=-678/283, 5-13=-89/353, 5-12=-753/259, 6-12=-279/1744, 6-11=-1487/376, 7-11=-534/3243, 7-10=0/357, 7-9=-4658/827

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered 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) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 554 lb uplift at joint 16 and 507 lb uplift at joint 9.

Continued on page 2

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 129 lb down and 114 lb up at 1-9-12, 129 lb down and 114 lb up at 3-9-12, 129 lb down and 114 lb up at 5-9-12, 129 lb down and 114 lb up at 7-9-12, 129 lb down and 114 lb up at 9-9-12, 129 lb down and 114 lb up at 11-9-12, 129 lb down and 114 lb up at 13-9-12, 129 lb down and 114 lb up at 15-9-12, 129 lb down and 114 lb up at 17-9-12, 77 lb down and 84 lb up at 19-9-12, 77 lb down and 84 lb up at 21-9-12, 77 lb down and 84 lb up at 23-9-12, 77 lb down and 84 lb up at 25-9-12, 77 lb down and 84 lb up at 27-9-12, 77 lb down and 84 lb up at 29-9-12, 77 lb down and 84 lb up at 31-9-12, and 77 lb down and 84 lb up at 33-9-12, and 88 lb down and 84 lb up at 35-9-12 on top chord, and 88 lb down at 1-9-12, 88 lb down at 3-9-12, 88 lb down at 5-9-12, 88 lb down at 7-9-12, 88 lb down at 9-9-12, 88 lb down at 11-9-12, 88 lb down at 13-9-12, 88 lb down at 15-9-12, 88 lb down at 17-9-12, 58 lb down at 19-9-12, 58 lb down at 21-9-12, 58 lb down at 23-9-12, 58 lb down at 25-9-12, 58 lb down at 27-9-12, 58 lb down at 29-9-12, 58 lb down at 31-9-12, and 58 lb down at 33-9-12, and 63 lb down at 35-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-8=-70, 9-16=-20

Concentrated Loads (lb)

Vert: 13=-62(B) 4=-129(B) 6=-77(B) 17=-129(B) 18=-129(B) 19=-129(B) 20=-129(B) 21=-129(B) 22=-129(B) 24=-129(B) 25=-129(B) 26=-77(B) 27=-77(B) 28=-77(B) 29=-77(B) 30=-77(B) 31=-77(B) 32=-77(B) 33=-88(B) 34=-62(B) 35=-62(B) 36=-62(B) 37=-62(B) 38=-62(B) 39=-62(B) 40=-62(B) 41=-62(B) 42=-26(B) 43=-26(B) 44=-26(B) 45=-26(B) 46=-26(B) 47=-26(B) 48=-26(B) 49=-26(B) 50=-29(B)

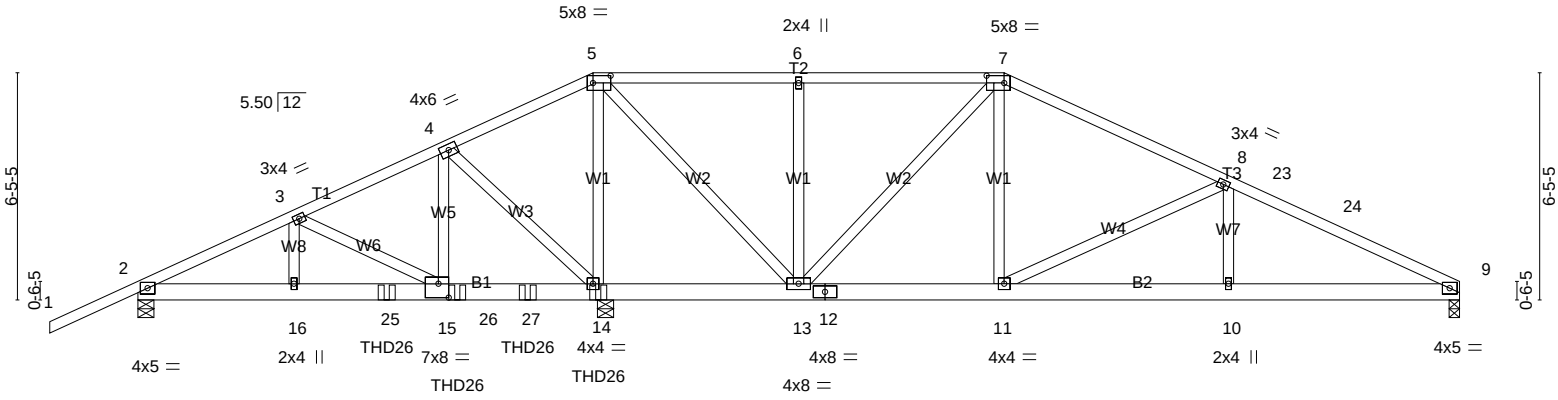
Job	Truss	Truss Type	Qty	Ply	
413220	03A	Hip Girder	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:36 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-FUSJGhVYmuDxDqiWqXNxPrY6Y9CqPyFnVLEobpzdgBH

-2-6-0	4-5-3	8-8-2	12-11-0	18-9-0	24-7-0	30-11-6	37-6-0
2-6-0	4-5-3	4-2-14	4-2-14	5-10-0	5-10-0	6-4-6	6-6-10

Scale = 1:65.4



4-5-3	8-8-2	12-11-0	13-0-8	18-9-0	24-7-0	30-11-6	37-6-0
4-5-3	4-2-14	4-2-14	0-1-8	5-8-8	5-10-0	6-4-6	6-6-10

Plate Offsets (X,Y)-- [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [15:0-3-8,0-4-12]

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	0.44	Vert(LL)	-0.04	15-16	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.10	15-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.04	15-16	>999	240	Weight: 476 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP DSS *Except*
B2: 2x6 SP No.2
WEBS 2x4 SP No.2

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: 13-14.

REACTIONS. (lb/size) 9=848/0-3-8 (min. 0-1-8), 2=1499/0-5-8 (min. 0-1-8), 14=7441/0-5-8 (min. 0-3-12)
Max Horz 2=129(LC 7)
Max Uplift9=-141(LC 8), 2=-400(LC 8), 14=-1666(LC 8)
Max Grav9=872(LC 18), 2=1551(LC 17), 14=7441(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2764/539, 3-4=-1620/579, 4-5=-369/2107, 5-6=-431/684, 6-7=-431/684, 7-8=-928/68, 8-23=-1354/203, 23-24=-1331/212, 9-24=-1430/223
BOT CHORD 2-16=-537/2447, 16-25=-537/2447, 15-25=-537/2447, 15-26=-575/1425, 26-27=-575/1425, 14-27=-575/1425, 13-14=-1919/521, 12-13=0/754, 11-12=0/754, 10-11=-140/1249, 9-10=-140/1249
WEBS 3-16=-84/800, 3-15=-1158/209, 4-15=-878/4111, 4-14=-4353/1019, 5-14=-2491/524, 5-13=-345/1822, 6-13=-474/178, 7-13=-1216/243, 7-11=-54/634, 8-11=-1054/283, 8-10=0/323

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 0-4-0 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 roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 9, 400 lb uplift at joint 2 and 1666 lb uplift at joint 14.
9) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 7-0-12 from the left end to 13-0-12 to connect truss(es) T56 (1 ply 2x6 SP), T57 (1 ply 2x4 SP), T58 (1 ply 2x4 SP), T59 (1 ply 2x4 SP) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 190 lb down and 111 lb up at 31-11-4, and 189 lb down and 91 lb up at 33-11-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

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=-70, 5-7=-70, 7-9=-70, 17-20=-20
   Concentrated Loads (lb)
      Vert: 14=-1177(F) 23=-150 24=-149 25=-2397(F) 26=-1188(F) 27=-1177(F)

Job	Truss	Truss Type	Qty	Ply	
413220	03B	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:38 2019 Page 1
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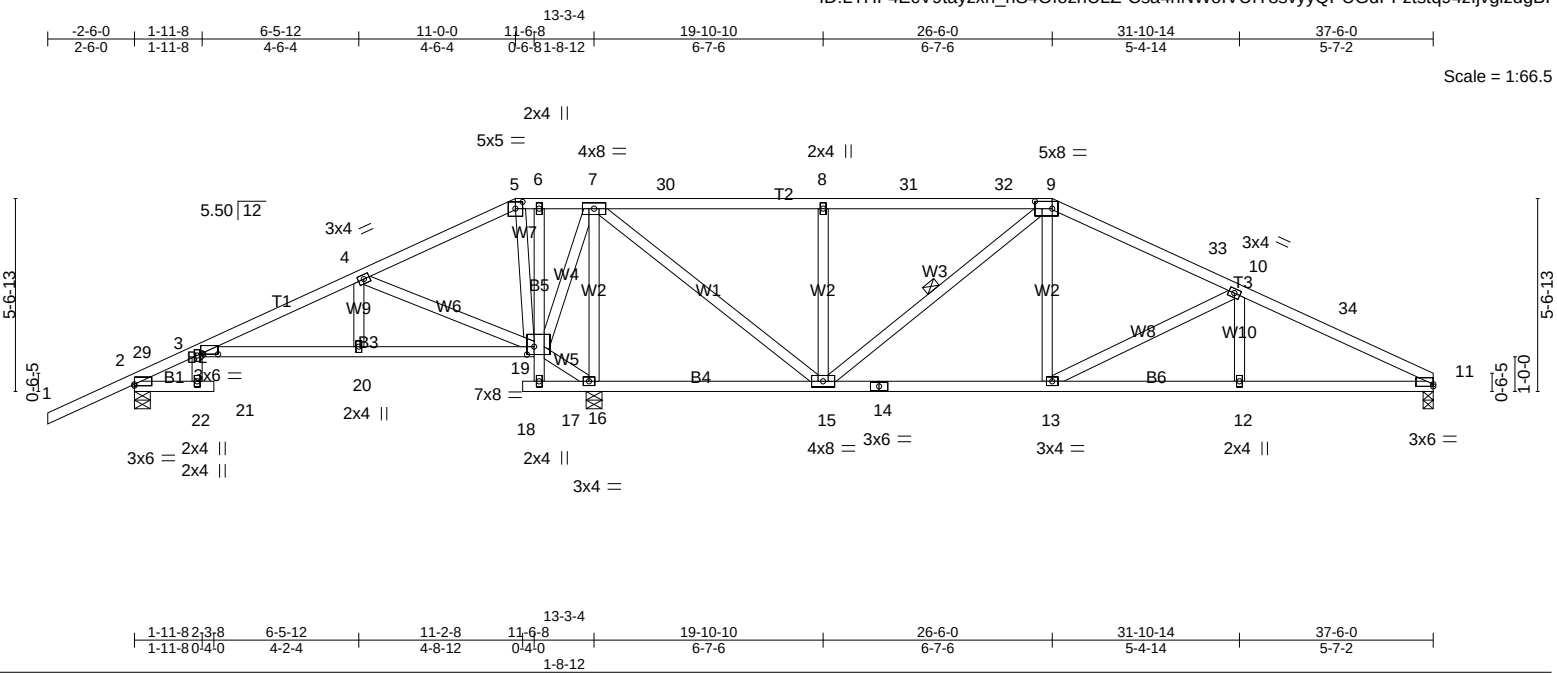

Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [3:0-5-8,0-0-6], [5:0-2-8,0-2-6], [9:0-6-0,0-2-8], [11:0-0-0,0-0-12], [19:0-2-8,0-2-12]

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	0.62	Vert(LL)	-0.06	12-13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.13	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.04	12-13	>999	240	Weight: 213 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-9-8 oc bracing. Except:
6-0-0 oc bracing: 17-19
WEBS 1 Row at midpt 9-15

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

REACTIONS. (lb/size) 11=862/0-3-8 (min. 0-1-8), 2=382/0-5-8 (min. 0-1-8), 16=2325/0-5-8 (min. 0-2-12)
Max Horz 2=113(LC 11)
Max Uplift 11=-177(LC 12), 2=-204(LC 12), 16=-303(LC 12)
Max Grav 11=935(LC 22), 2=397(LC 21), 16=2325(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-6/402, 4-5=-112/987, 5-6=-78/944, 6-7=-80/952, 7-30=-543/399, 8-30=-543/399, 8-31=-543/399, 31-32=-543/399, 9-32=-543/399, 9-33=-1039/449, 10-33=-1122/432, 10-34=-1580/527, 11-34=-1662/510
BOT CHORD 3-20=-310/54, 19-20=-309/54, 15-16=-990/286, 14-15=-241/954, 13-14=-241/954, 12-13=-422/1437, 11-12=-422/1437
WEBS 4-19=-639/219, 5-19=-614/219, 16-19=-1126/360, 7-16=-1554/419, 7-15=-392/1650, 8-15=-510/253, 9-15=-642/121, 9-13=-24/440, 10-13=-564/203

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 11-0-0, Exterior(2) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 26-6-0, Exterior(2) 26-6-0 to 30-8-15, Interior(1) 30-8-15 to 37-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;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 177 lb uplift at joint 11, 204 lb uplift at joint 2 and 303 lb uplift at joint 16.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	03C	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:41 2019 Page 1

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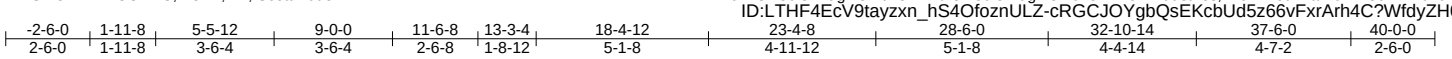

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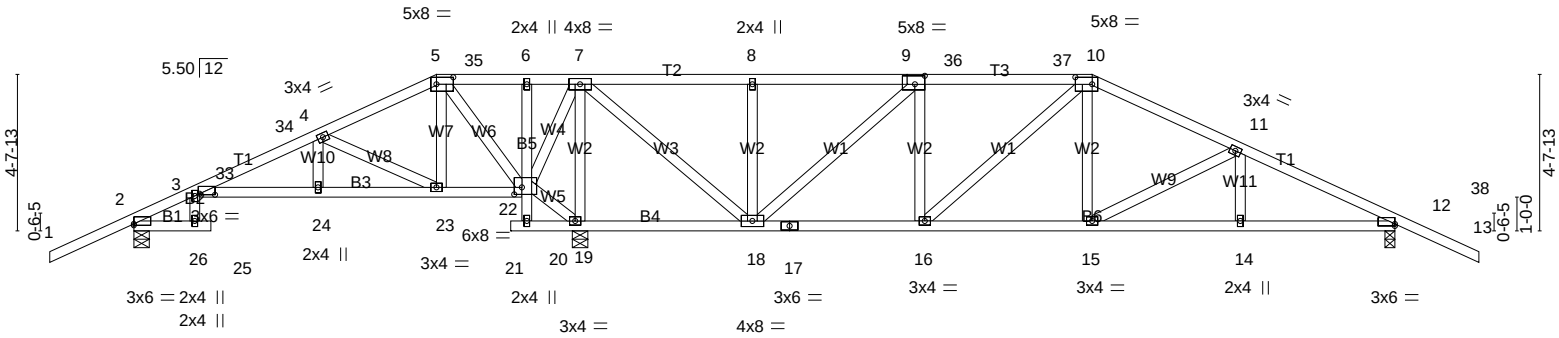

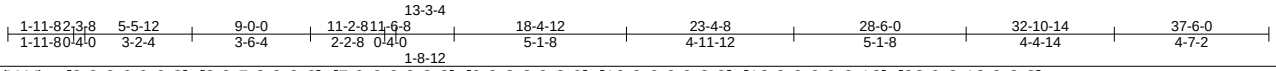

Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [3:0-5-8,0-0-6], [5:0-6-0,0-2-8], [9:0-3-8,0-3-0], [10:0-6-0,0-2-8], [12:0-0-0,0-0-12], [22:0-2-12,0-2-8]

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	0.53	Vert(LL)	-0.06	14-15	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.13	14-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.05	14-15	>999	240	Weight: 218 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-9 oc bracing. Except:
6-0-0 oc bracing: 20-22

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

REACTIONS. (lb/size) 2=401/0-5-8 (min. 0-1-8), 19=2287/0-5-8 (min. 0-2-11), 12=1057/0-3-8 (min. 0-1-8)
Max Horz 2=96(LC 11)
Max Uplift2=-229(LC 12), 19=-258(LC 12), 12=-311(LC 12)
Max Grav2=415(LC 21), 19=2287(LC 1), 12=1112(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-34=0/263, 4-5=0/678, 5-35=-70/1122, 6-35=-70/1122, 6-7=-72/1131, 7-8=-323/382, 8-9=-323/382, 9-36=-956/493, 36-37=-956/493, 10-37=-956/493, 10-11=-1244/486, 11-38=-1563/519, 12-38=-1572/503
BOT CHORD 22-23=-553/205, 18-19=-1159/309, 17-18=-276/938, 16-17=-276/938, 15-16=-265/1082, 14-15=-384/1354, 12-14=-384/1354
WEBS 4-23=-495/175, 5-23=-34/282, 5-22=-909/194, 19-22=-1319/363, 7-19=-1439/362, 7-18=-340/1629, 8-18=-327/156, 9-18=-927/194, 9-16=0/346, 10-15=-13/333, 11-15=-325/134

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 9-0-0, Exterior(2) 9-0-0 to 13-3-4, Interior(1) 13-3-4 to 28-6-0, Exterior(2) 28-6-0 to 32-10-14, Interior(1) 32-10-14 to 40-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;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 229 lb uplift at joint 2, 258 lb uplift at joint 19 and 311 lb uplift at joint 12.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	03D	HIP GIRDER	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:43 2019 Page 1
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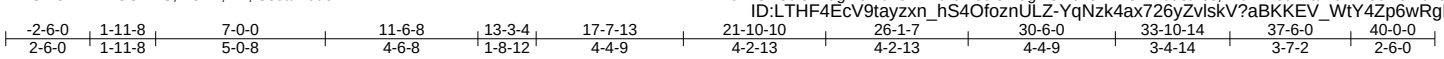

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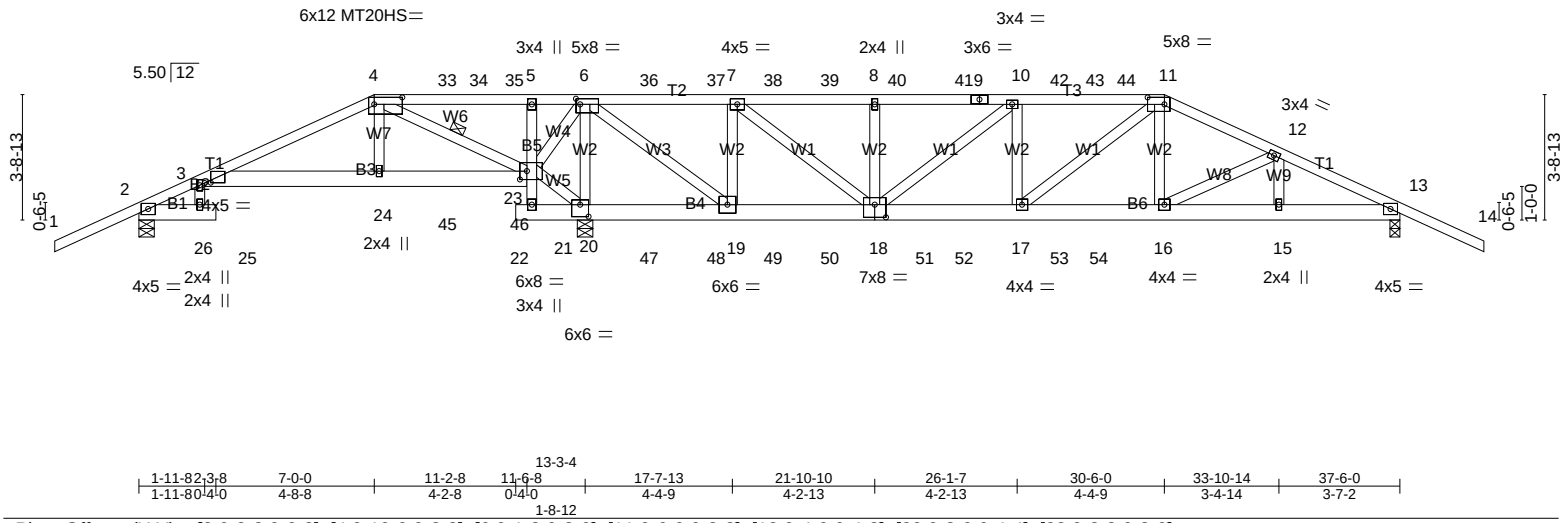

Plate Offsets (X,Y)-- [3:0-2-3,0-0-2], [4:0-10-0,0-2-8], [6:0-1-8,0-2-0], [11:0-6-0,0-2-8], [18:0-4-0,0-4-8], [20:0-3-0,0-4-4], [23:0-2-8,0-3-0]

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	0.72	Vert(LL)	-0.10	17	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.23	17	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.13	17	>999	240	Weight: 236 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP M 31
BOT CHORD 2x6 SP No.2 *Except*
B2,B5: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-4-2 oc bracing. Except:
6-0-0 oc bracing: 21-23
WEBS 1 Row at midpt 4-23

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

REACTIONS. (lb/size) 2=442/0-5-8 (min. 0-1-8), 20=4410/0-5-8 (min. 0-5-3), 13=1772/0-3-8 (min. 0-2-2)
Max Horz 2=-97(LC 6)
Max Uplift 2=-181(LC 8), 20=-993(LC 8), 13=-716(LC 8)
Max Grav 2=447(LC 17), 20=4410(LC 1), 13=1801(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-127/282, 4-33=-390/2439, 33-34=-390/2439, 34-35=-390/2439, 5-35=-390/2439, 5-6=-403/2497, 6-36=-507/588, 36-37=-507/588, 7-37=-507/588, 7-38=-2260/999, 38-39=-2260/999, 8-39=-2260/999, 8-40=-2260/999, 40-41=-2260/999, 9-41=-2260/999, 9-10=-2260/999, 10-42=-3004/1155, 42-43=-3004/1155, 43-44=-3004/1155, 11-44=-3004/1155, 11-12=-3010/1056, 12-13=-3032/1042
BOT CHORD 21-23=-255/70, 5-23=-423/162, 20-47=-2510/441, 47-48=-2510/441, 19-48=-2510/441, 19-49=-528/507, 49-50=-528/507, 18-50=-528/507, 18-51=-983/3004, 51-52=-983/3004, 17-52=-983/3004, 17-53=-824/2724, 53-54=-824/2724, 16-54=-824/2724, 15-16=-860/2702, 13-15=-860/2702
WEBS 4-24=0/651, 4-23=-2556/341, 20-23=-2709/508, 6-20=-2508/644, 6-19=-1006/3590, 7-19=-2051/645, 7-18=-593/2283, 8-18=-570/244, 10-18=-996/199, 11-17=-211/357, 11-16=-69/585

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch right exposed; 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 181 lb uplift at joint 2, 993 lb uplift at joint 20 and 716 lb uplift at joint 13.

Continued on page 2

NOTES-

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 198 lb down and 205 lb up at 7-0-0, 117 lb down and 105 lb up at 9-0-12, 117 lb down and 105 lb up at 11-0-12, 133 lb down and 119 lb up at 15-0-12, 133 lb down and 119 lb up at 17-0-12, 133 lb down and 119 lb up at 18-9-0, 133 lb down and 119 lb up at 20-5-4, 133 lb down and 119 lb up at 22-5-4, 133 lb down and 119 lb up at 24-5-4, 133 lb down and 119 lb up at 26-5-4, and 133 lb down and 119 lb up at 28-5-4, and 280 lb down and 247 lb up at 30-6-0 on top chord, and 341 lb down and 30 lb up at 7-0-0, 89 lb down at 9-0-12, 89 lb down at 11-2-8, 89 lb down at 15-0-12, 89 lb down at 17-0-12, 89 lb down at 18-9-0, 89 lb down at 20-5-4, 89 lb down at 22-5-4, 89 lb down at 24-5-4, 89 lb down at 26-5-4, and 89 lb down at 28-5-4, and 294 lb down at 30-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-70, 3-4=-70, 4-11=-70, 11-14=-70, 26-27=-20, 25-26=-20, 3-23=-20, 21-22=-20, 21-30=-20
   Concentrated Loads (lb)
      Vert: 4=-151(B) 11=-232(B) 24=-334(B) 16=-249(B) 33=-117(B) 35=-117(B) 36=-133(B) 37=-133(B) 38=-133(B) 39=-133(B) 40=-133(B) 41=-133(B) 42=-133(B) 44=-133(B) 45=-76(B) 46=-76(B) 47=-58(B) 48=-58(B) 49=-58(B) 50=-58(B) 51=-58(B) 52=-58(B) 53=-58(B) 54=-58(B)

Job	Truss	Truss Type	Qty	Ply	
413220	04A	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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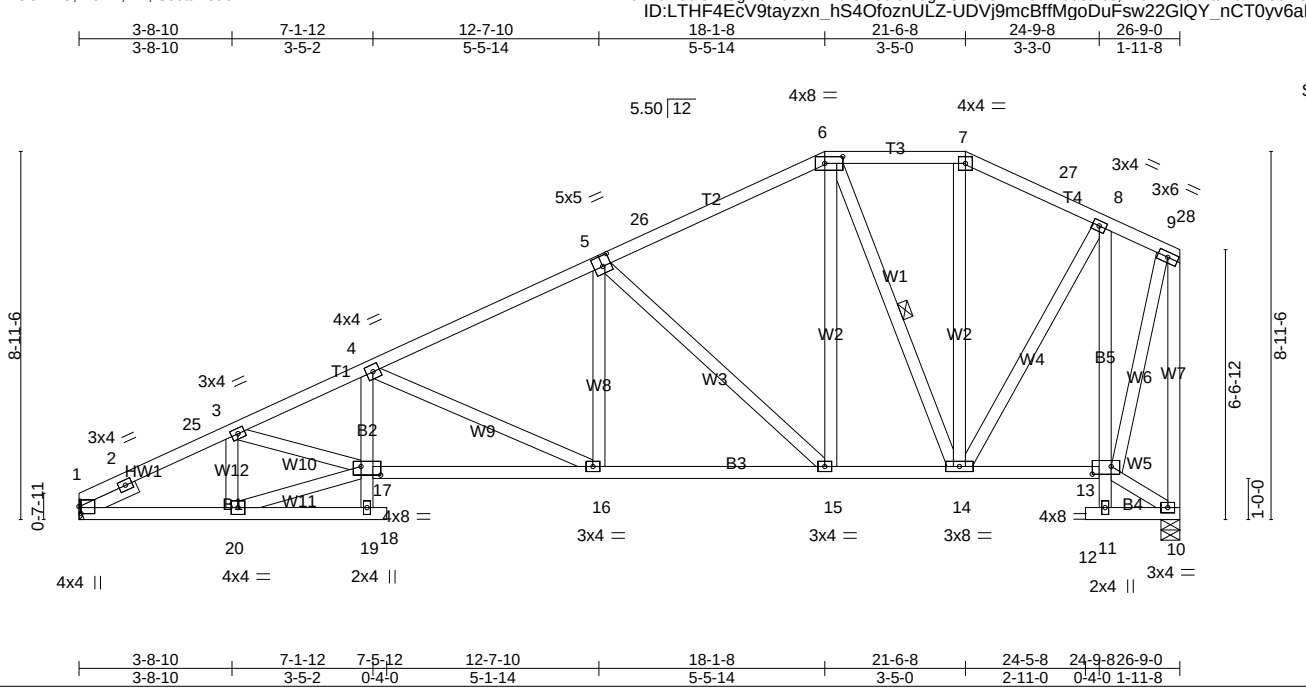

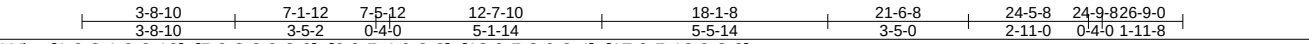

Plate Offsets (X,Y)-- [1:0-2-1,0-0-10], [5:0-2-8,0-3-0], [6:0-5-4,0-2-0], [13:0-5-8,0-2-4], [17:0-5-12,0-2-8]

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	0.84	Vert(LL)	-0.10	18	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.25	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.09	18	>999	240	Weight: 204 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-13 oc bracing. Except:
10-0-0 oc bracing: 17-19, 11-13
WEBS 1 Row at midpt 6-14

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

REACTIONS. (lb/size) 1=1205/Mechanical, 10=1209/0-5-8 (min. 0-1-8)
Max Horz 1=313(LC 11)
Max Uplift1=-196(LC 12), 10=-205(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-873/199, 2-25=-2094/493, 3-25=-2028/501, 3-4=-2757/666, 4-5=-1850/469, 5-26=-1090/359, 6-26=-1000/376, 6-7=-665/332, 7-27=-731/327, 8-27=-782/320, 8-28=-365/216, 9-28=-375/211, 9-10=-1170/397
BOT CHORD 1-20=-677/1840, 4-17=-92/489, 16-17=-901/2537, 15-16=-613/1608, 14-15=-384/922, 13-14=-191/356, 8-13=-943/404
WEBS 3-20=-578/256, 17-20=-649/1757, 3-17=-219/677, 4-16=-1016/315, 5-16=-52/571, 5-15=-950/315, 6-15=-158/724, 6-14=-677/231, 8-14=-204/685, 9-13=-388/1023

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 18-1-8, Exterior(2) 18-1-8 to 25-9-7, Interior(1) 25-9-7 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 196 lb uplift at joint 1 and 205 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	04B	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:48 2019 Page 1

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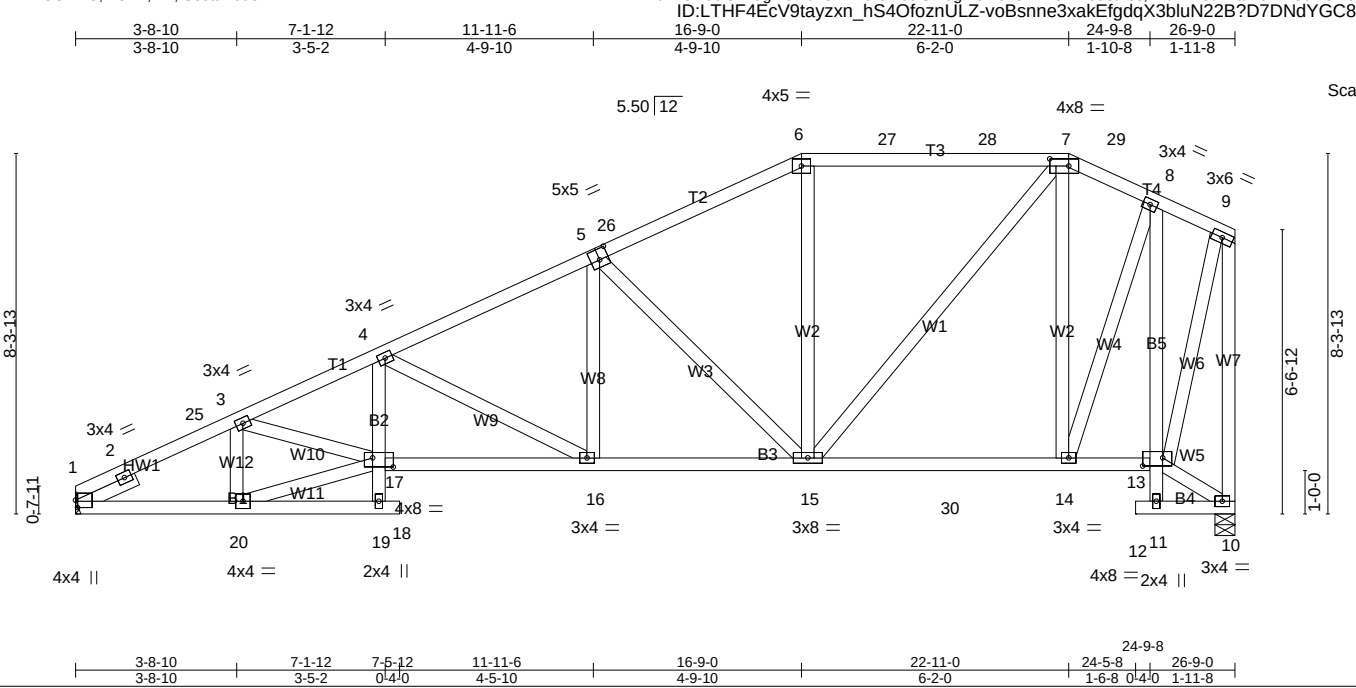

Plate Offsets (X,Y)-- [1:0-2-1,0-0-10], [5:0-2-8,0-3-0], [7:0-5-4,0-2-0], [13:0-5-8,0-2-4], [17:0-5-12,0-2-8]

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	0.85	Vert(LL)	-0.10	18	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.23	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.09	18	>999	240	Weight: 199 lb	FT = 10%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-8 oc bracing. Except:
10-0-0 oc bracing: 17-19, 11-13

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

REACTIONS. (lb/size) 1=1205/Mechanical, 10=1209/0-5-8 (min. 0-1-8)
Max Horz 1=302(LC 11)
Max Uplift1=-196(LC 12), 10=-205(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-875/200, 2-25=-2095/494, 3-25=-2029/503, 3-4=-2754/687, 4-5=-1923/492, 5-26=-1253/387, 6-26=-1239/402, 6-27=-1075/397, 27-28=-1075/397, 7-28=-1075/397, 7-29=-593/290, 8-29=-643/287, 8-9=-395/226, 9-10=-1168/413
BOT CHORD 1-20=-690/1841, 4-17=-98/481, 16-17=-918/2526, 15-16=-652/1674, 15-30=-267/606, 14-30=-267/606, 13-14=-190/347, 8-13=-961/373
WEBS 3-20=-579/262, 17-20=-664/1757, 3-17=-225/671, 4-16=-947/298, 5-16=-71/535, 5-15=-850/295, 7-15=-268/792, 7-14=-667/296, 8-14=-248/840, 9-13=-388/995

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-9-0, Exterior(2) 16-9-0 to 20-11-15, Interior(1) 20-11-15 to 22-11-0, Exterior(2) 22-11-0 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 196 lb uplift at joint 1 and 205 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	04C	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:50 2019 Page 1
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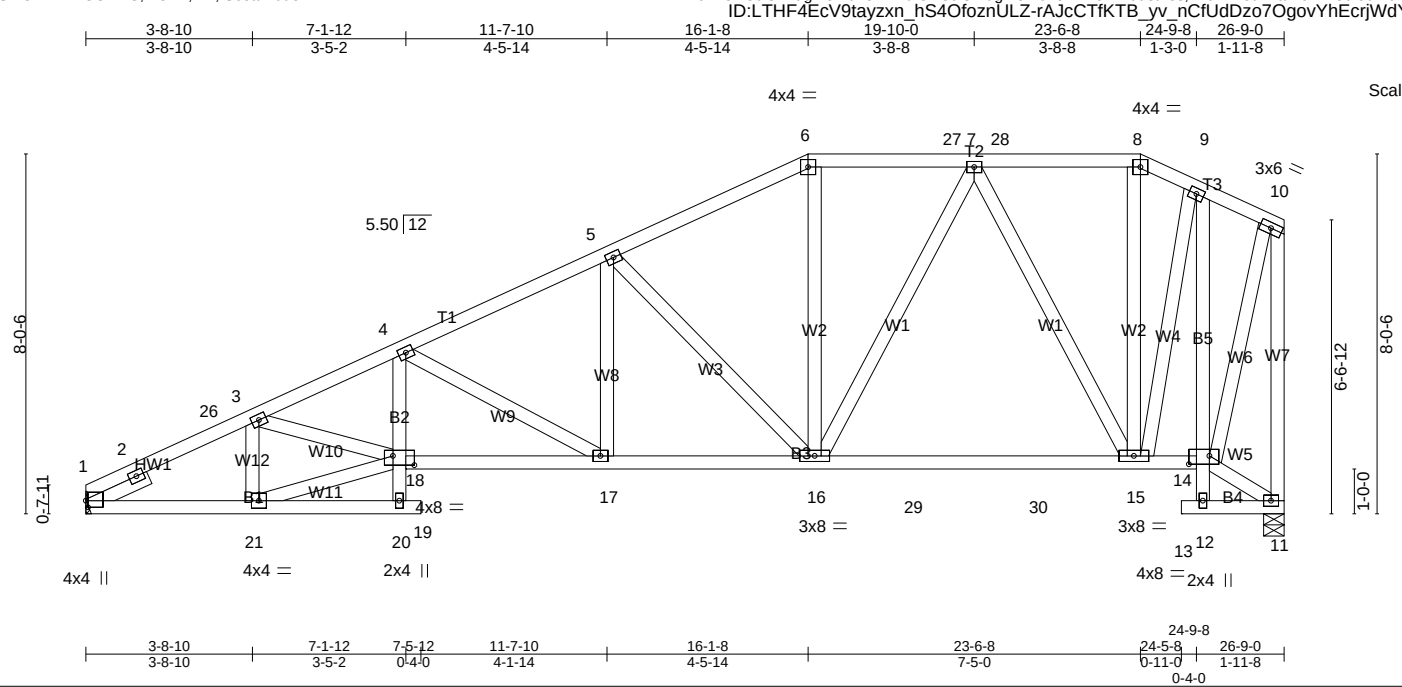


Plate Offsets (X,Y)-- [1:0-1-12,0-0-10], [14:0-5-8,0-2-4], [18:0-5-12,0-2-8]

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	0.85	Vert(LL)	-0.10	15-16	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.23	17-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.11	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.09	19	>999	240	Weight: 206 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-2 oc bracing. Except:
10-0-0 oc bracing: 18-20, 12-14

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

REACTIONS. (lb/size) 1=1205/Mechanical, 11=1209/0-5-8 (min. 0-1-8)
Max Horz 1=296(LC 11)
Max Uplift1=-196(LC 12), 11=-205(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-877/201, 2-26=-2095/494, 3-26=-2030/502, 3-4=-2751/700, 4-5=-1962/515, 5-6=-1327/409, 6-27=-1144/400, 7-27=-1144/400, 7-28=-523/265, 8-28=-523/265, 8-9=-581/270, 9-10=-394/225, 10-11=-1171/423
BOT CHORD 1-21=-699/1843, 4-18=-102/480, 17-18=-927/2516, 16-17=-681/1725, 16-29=-396/919, 29-30=-396/919, 15-30=-396/919, 14-15=-206/385, 9-14=-1019/344
WEBS 3-21=-581/266, 18-21=-675/1761, 3-18=-227/665, 4-17=-902/281, 5-17=-78/509, 5-16=-833/306, 6-16=-41/304, 7-16=-148/521, 7-15=-843/319, 9-15=-204/858, 10-14=-391/1002

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-1-8, Exterior(2) 16-1-8 to 20-4-7, Interior(1) 20-4-7 to 23-6-8, Exterior(2) 23-6-8 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 3x4 MT20 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 196 lb uplift at joint 1 and 205 lb uplift at joint 11.

LOAD CASE(S) Standard

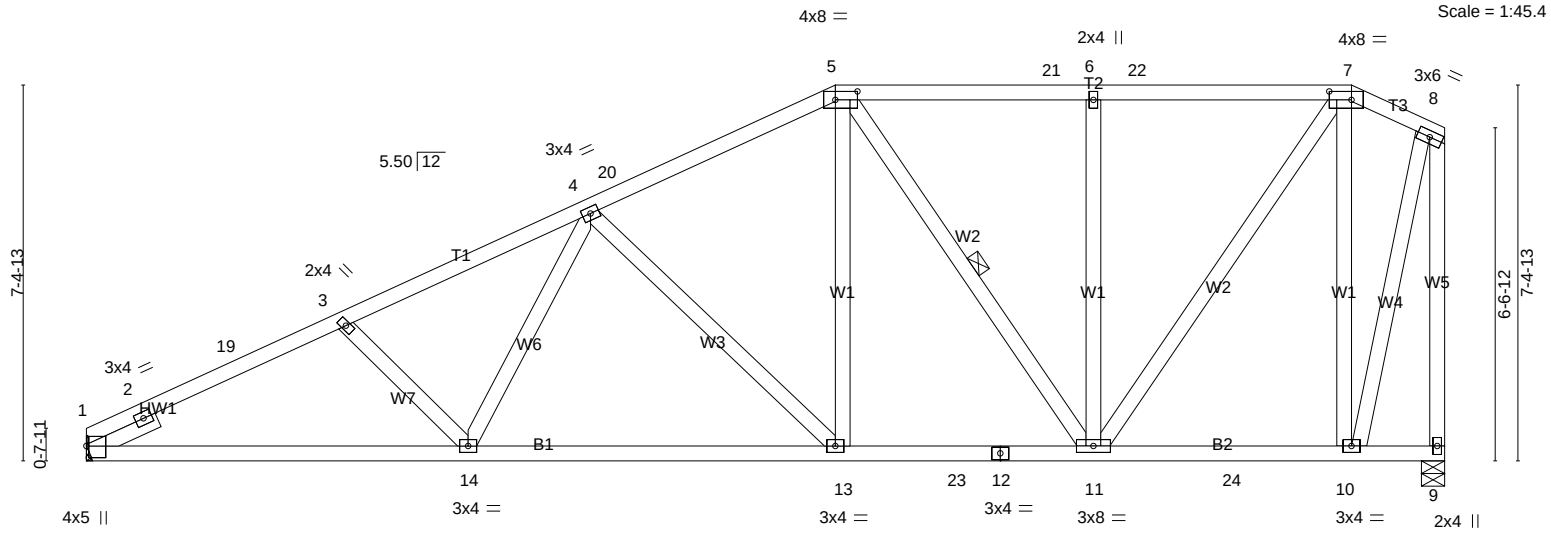
Job	Truss	Truss Type	Qty	Ply	
413220	04D	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:51 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-JNs_QpgyEV6pW8MPCB9SW0gXfCGnQiD_yAN5dRzdgB2

5-1-5	9-11-3	14-9-0	19-10-0	24-11-0	26-9-0
5-1-5	4-9-13	4-9-13	5-1-0	5-1-0	1-10-0

Scale = 1:45.4



7-6-4	14-9-0	19-10-0	24-11-0	26-9-0
7-6-4	7-2-12	5-1-0	5-1-0	1-10-0

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

LOADING (psf)		**SPACING-** 2-0-0		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.08	13-14	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.23	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.07	13-14	>999	240	Weight: 181 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-11 oc bracing.
WEBS 1 Row at midpt 5-11

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

REACTIONS. (lb/size) 1=1197/Mechanical, 9=1197/0-5-8 (min. 0-1-8)
Max Horz 1=285(LC 11)
Max Uplift1=-200(LC 12), 9=-257(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-812/106, 2-19=-2117/516, 3-19=-2046/530, 3-4=-1926/493, 4-20=-1310/399, 5-20=-1231/414, 5-21=-881/367, 6-21=-881/367, 6-22=-881/367, 7-22=-881/367, 7-8=-407/238, 8-9=-1183/361
BOT CHORD 1-14=-725/1860, 13-14=-625/1550, 13-23=-453/1156, 12-23=-453/1156, 11-12=-453/1156, 11-24=-162/319, 10-24=-162/319
WEBS 4-14=-28/393, 4-13=-604/243, 5-13=-96/588, 5-11=-439/158, 6-11=-412/225, 7-11=-342/1040, 7-10=-936/425, 8-10=-355/1070

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-9-0, Exterior(2) 14-9-0 to 18-11-15, Interior(1) 18-11-15 to 24-11-0, Exterior(2) 24-11-0 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 200 lb uplift at joint 1 and 257 lb uplift at joint 9.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	04E	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:53 2019 Page 1
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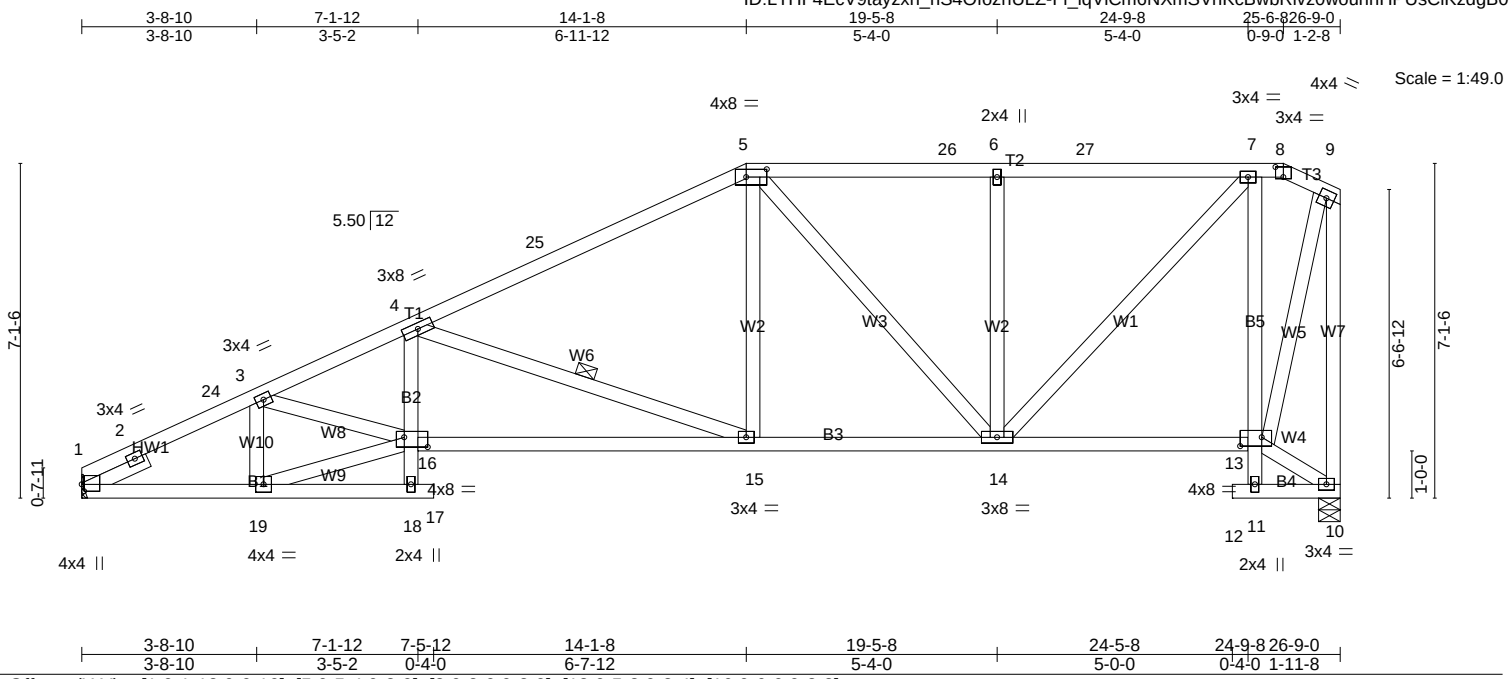

Plate Offsets (X,Y)-- [1:0-1-12,0-0-10], [5:0-5-4,0-2-0], [8:0-2-0,0-2-9], [13:0-5-8,0-2-4], [16:0-6-0,0-2-8]

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	0.84	Vert(LL)	-0.12	15-16	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.32	15-16	>993	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.10	17	>999	240	Weight: 181 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-2 oc bracing. Except:
10-0-0 oc bracing: 16-18, 11-13
WEBS 1 Row at midpt 4-15

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

REACTIONS. (lb/size) 1=1205/Mechanical, 10=1209/0-5-8 (min. 0-1-8)
Max Horz 1=280(LC 11)
Max Uplift1=-196(LC 12), 10=-272(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-860/192, 2-24=-2087/494, 3-24=-2022/497, 3-4=-2779/715, 4-25=-1650/416, 5-25=-1536/431, 5-26=-1118/388, 6-26=-1118/388, 6-27=-1118/388, 7-27=-1118/388, 7-8=-335/193, 8-9=-365/207, 9-10=-1172/386
BOT CHORD 1-19=-701/1831, 4-16=-63/522, 15-16=-1004/2613, 14-15=-558/1409, 13-14=-199/369, 7-13=-990/442
WEBS 3-19=-568/250, 16-19=-639/1742, 3-16=-267/721, 4-15=-1290/475, 5-15=-73/596, 5-14=-432/176, 6-14=-418/226, 7-14=-351/1126, 9-13=-410/1099

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-1-8, Exterior(2) 14-1-8 to 18-4-7, Interior(1) 18-4-7 to 25-6-8, Exterior(2) 25-6-8 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 196 lb uplift at joint 1 and 272 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	04F	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:55 2019 Page 1
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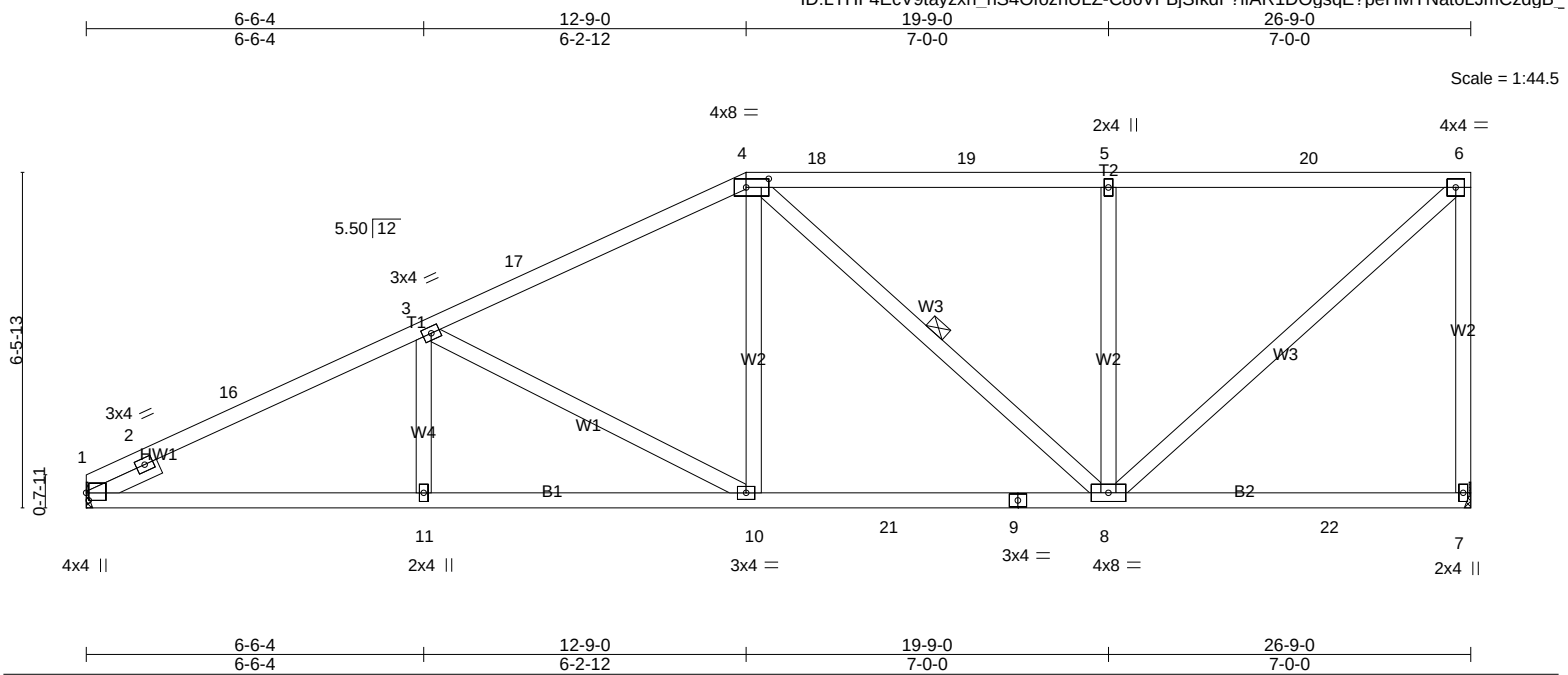

Plate Offsets (X,Y)-- [1:0-1-12,0-0-10], [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	-0.07	10-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.19	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.06	10-11	>999	240	Weight: 151 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-5 oc bracing.
WEBS 1 Row at midpt 4-8

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

REACTIONS. (lb/size) 1=1197/Mechanical, 7=1197/Mechanical
Max Horz 1=265(LC 11)
Max Uplift 1=-201(LC 12), 7=-305(LC 9)
Max Grav 1=1197(LC 1), 7=1210(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-790/80, 2-16=-2099/501, 3-16=-1960/513, 3-17=-1538/415, 4-17=-1443/435, 4-18=-1055/384, 18-19=-1055/384, 5-19=-1055/384, 5-20=-1055/384, 6-20=-1055/384, 6-7=-1135/394
BOT CHORD 1-11=-722/1838, 10-11=-722/1838, 10-21=-521/1340, 9-21=-521/1340, 8-9=-521/1340
WEBS 3-10=-594/228, 4-10=-31/478, 4-8=-384/172, 5-8=-565/314, 6-8=-429/1396

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 12-9-0, Exterior(2) 12-9-0 to 16-11-15, Interior(1) 16-11-15 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 201 lb uplift at joint 1 and 305 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	04G	Roof Special	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:56 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-gKgtTWk431l6dvEM?kkdD3NT6Dxa52Ej6S4sHfzdgAz

3-8-10	7-1-12	13-3-0	14-4-8	19-7-0	24-9-8	26-9-0
3-8-10	3-5-2	6-1-4	1-1-8	5-2-8	5-2-8	1-11-8

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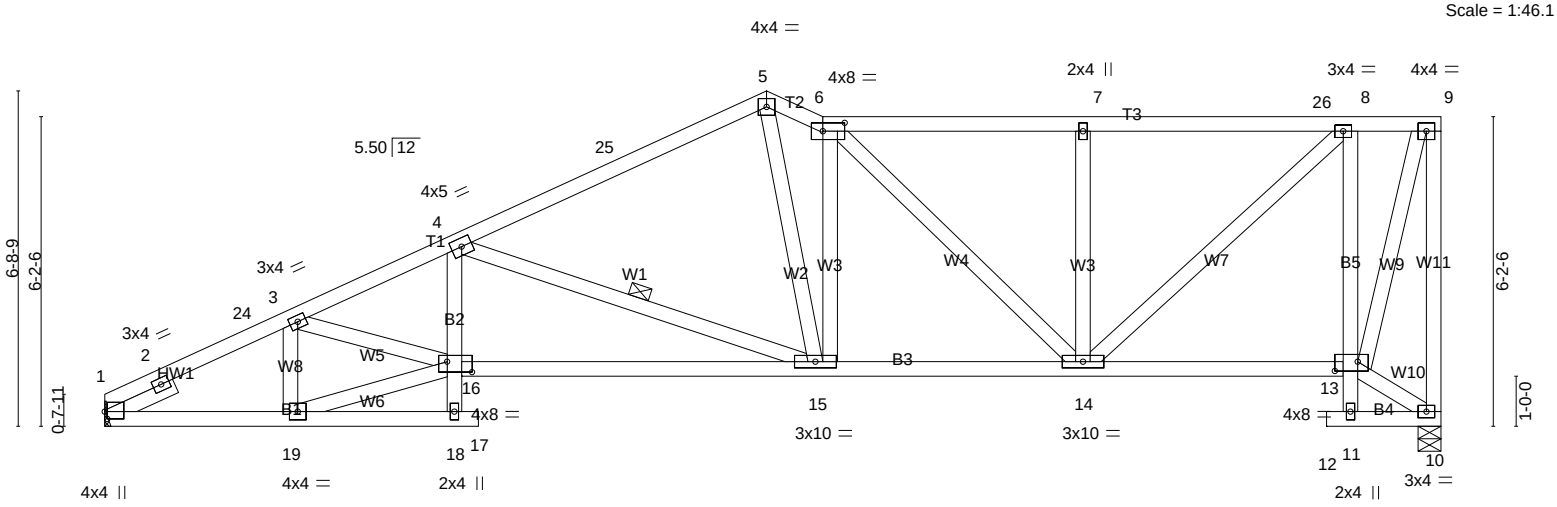

3-8-10	7-1-12	7-5-12	14-4-8	19-7-0	24-5-8	24-9-8	26-9-0
3-8-10	3-5-2	0-4-0	6-10-12	5-2-8	4-10-8	0-4-0	1-11-8

Plate Offsets (X,Y)-- [1:0-1-12,0-0-10], [6:0-5-4,0-2-0], [13:0-5-8,0-2-4], [16:0-6-0,0-2-8]

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	0.66	Vert(LL)	-0.12	15-16	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.33	15-16	>972	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.10	17	>999	240	Weight: 181 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
10-0-0 oc bracing: 16-18, 11-13
WEBS 1 Row at midpt 4-15

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

REACTIONS. (lb/size) 1=1205/Mechanical, 10=1209/0-5-8 (min. 0-1-8)
Max Horz 1=262(LC 11)
Max Uplift1=-196(LC 12), 10=-289(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-867/192, 2-24=-2091/485, 3-24=-2025/489, 3-4=-2771/674, 4-25=-1676/415, 5-25=-1579/425, 5-6=-1767/487, 6-7=-1314/391, 7-26=-1314/391, 8-26=-1314/391, 8-9=-395/181, 9-10=-1171/354
BOT CHORD 1-19=-666/1836, 4-16=-66/527, 15-16=-919/2578, 14-15=-574/1645, 13-14=-197/415, 8-13=-1093/416
WEBS 3-19=-576/244, 16-19=-616/1760, 3-16=-232/701, 4-15=-1211/403, 5-15=-235/1078, 6-15=-576/211, 6-14=-455/158, 7-14=-415/225, 8-14=-356/1221, 9-13=-390/1214

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-3-0, Exterior(2) 13-3-0 to 14-4-8, Interior(1) 14-4-8 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 196 lb uplift at joint 1 and 289 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	04H	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:30:58 2019 Page 1
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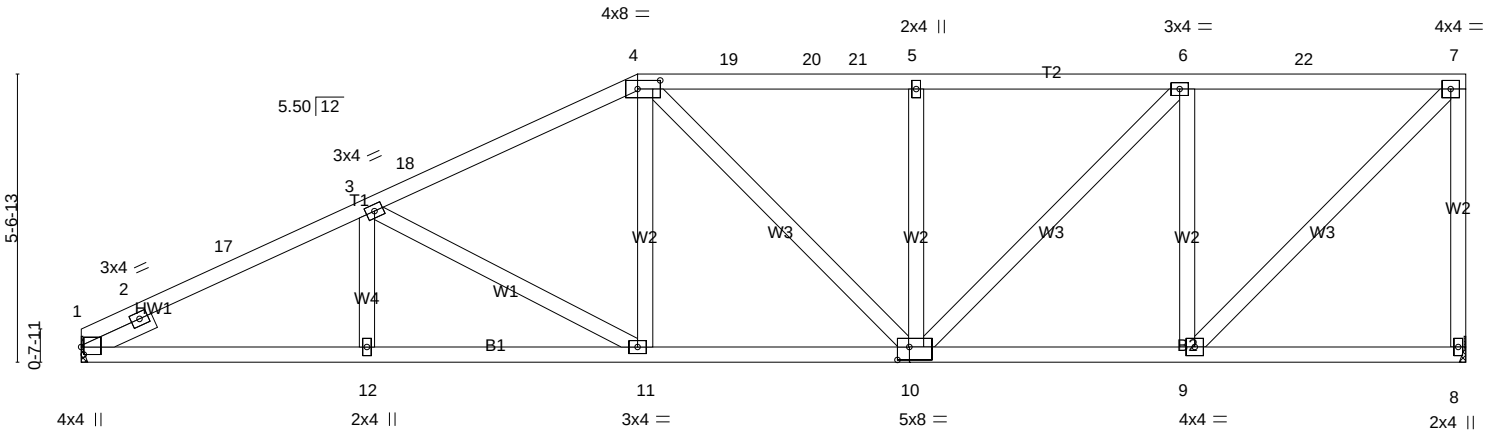
5-6-4	10-9-0	16-1-9	21-4-7	26-9-0
5-6-4	5-2-12	5-4-9	5-2-13	5-4-9

Scale = 1:44.5



5-6-4	10-9-0	16-1-9	21-4-7	26-9-0
5-6-4	5-2-12	5-4-9	5-2-13	5-4-9

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

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	0.53	Vert(LL)	-0.08	11-12	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.18	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.07	11-12	>999	240	Weight: 157 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-9 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=1197/Mechanical, 8=1197/Mechanical
Max Horz 1=225(LC 11)
Max Uplift1=-202(LC 12), 8=-299(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-829/142, 2-17=-2116/522, 3-17=-2003/531, 3-18=-1703/459, 4-18=-1626/475, 4-19=-1480/474, 19-20=-1480/474, 20-21=-1480/474, 5-21=-1480/474, 5-6=-1490/479, 6-22=-997/348, 7-22=-997/348, 7-8=-1149/372
BOT CHORD 1-12=-717/1859, 11-12=-717/1859, 10-11=-556/1486, 9-10=-347/997
WEBS 3-11=-433/184, 4-11=-27/382, 5-10=-390/201, 6-10=-230/690, 6-9=-877/364, 7-9=-404/1396

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-9-0, Exterior(2) 10-9-0 to 14-11-15, Interior(1) 14-11-15 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 202 lb uplift at joint 1 and 299 lb uplift at joint 8.

LOAD CASE(S) Standard

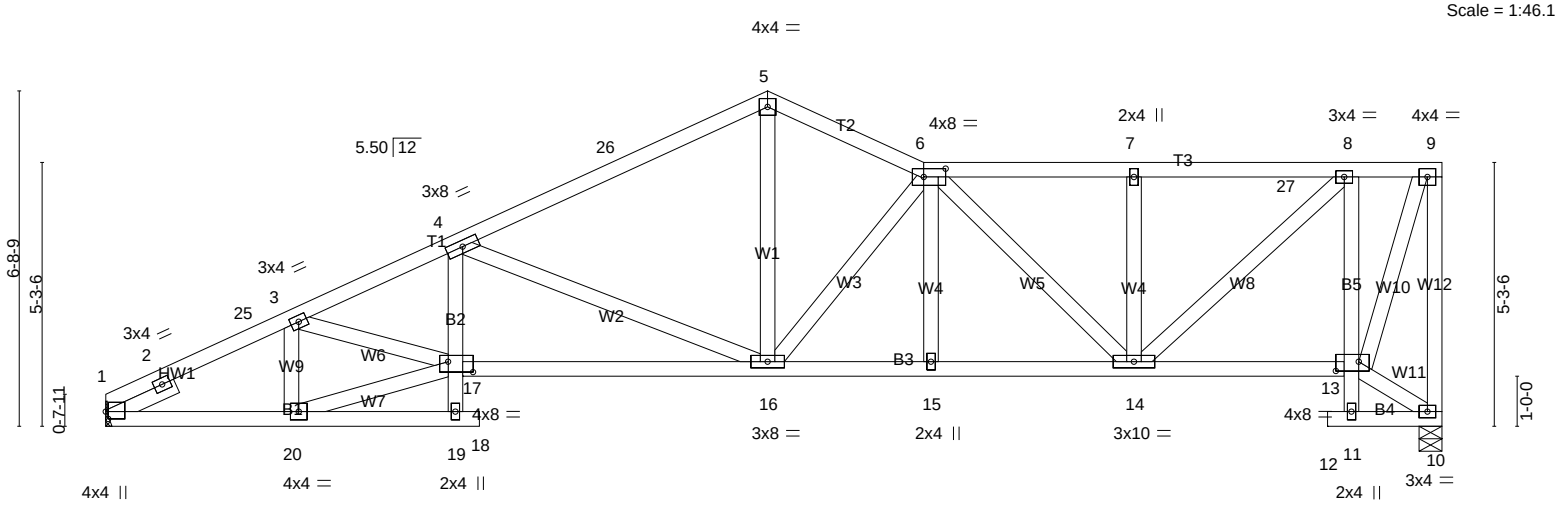
Job	Truss	Truss Type	Qty	Ply	
413220	04I	Roof Special	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:00 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-Y5vOJunb7GFX5XY7EapZNvXBmqK41kNJ0424QQzdgAv

3-8-10	7-1-12	13-3-0	16-4-8	20-7-0	24-9-8	26-9-0
3-8-10	3-5-2	6-1-4	3-1-8	4-2-8	4-2-8	1-11-8

Scale = 1:46.1



3-8-10	7-1-12	7-5-12	13-3-0	16-4-8	20-7-0	24-5-8	24-9-8	26-9-0
3-8-10	3-5-2	0-4-0	5-9-4	3-1-8	4-2-8	3-10-8	0-4-0	1-11-8

Plate Offsets (X,Y)-- [1:0-1-12,0-0-10], [6:0-5-4,0-2-0], [13:0-5-8,0-2-4], [17:0-6-0,0-2-8]

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	0.55	Vert(LL)	-0.11	18	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.28	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.10	18	>999	240	Weight: 176 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-13 oc bracing. Except:
10-0-0 oc bracing: 17-19, 11-13

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

REACTIONS. (lb/size) 1=1205/Mechanical, 10=1209/0-5-8 (min. 0-1-8)
Max Horz 1=239(LC 11)
Max Uplift1=-198(LC 12), 10=-253(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-866/200, 2-25=-2090/509, 3-25=-2025/513, 3-4=-2768/677, 4-26=-1764/460, 5-26=-1664/470, 5-6=-1696/473, 6-7=-1444/414, 7-27=-1444/414, 8-27=-1444/414, 8-9=-475/184, 9-10=-1167/343
BOT CHORD 1-20=-625/1835, 4-17=-63/504, 16-17=-869/2577, 15-16=-599/1904, 14-15=-598/1905, 13-14=-205/497, 8-13=-1085/376
WEBS 3-20=-572/233, 17-20=-579/1746, 3-17=-221/700, 4-16=-1148/387, 5-16=-222/1046, 6-16=-634/221, 6-14=-636/191, 7-14=-333/183, 8-14=-345/1284, 9-13=-370/1220

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-3-0, Exterior(2) 13-3-0 to 16-4-8, Interior(1) 16-4-8 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 198 lb uplift at joint 1 and 253 lb uplift at joint 10.

LOAD CASE(S) Standard

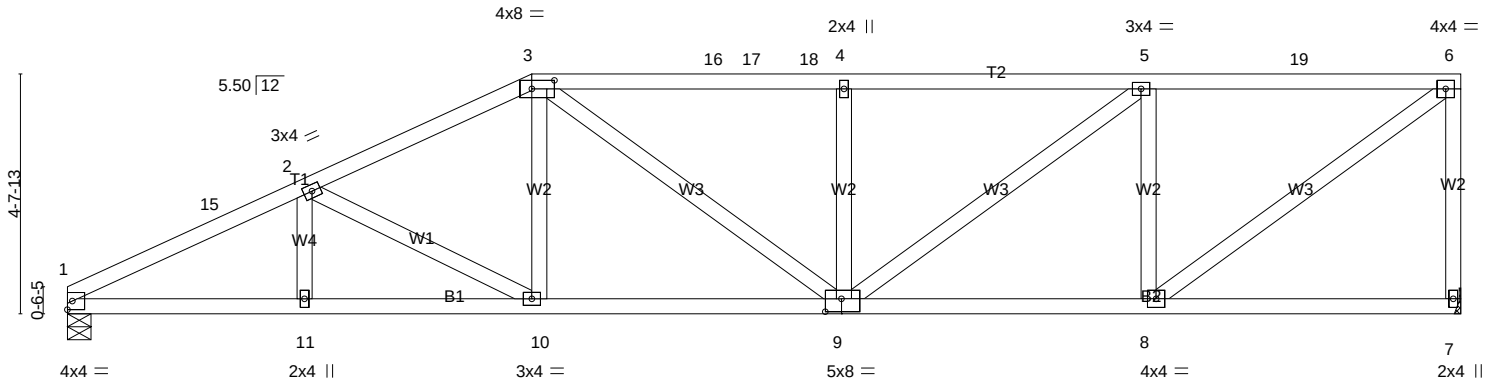
Job	Truss	Truss Type	Qty	Ply	
413220	04J	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:01 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-0lTmWEoDuaNOjg7KoHKow74N9EermJESFkodzszdgAu

4-7-2	9-0-0	15-0-9	20-11-7	27-0-0
4-7-2	4-4-14	6-0-9	5-10-13	6-0-9

Scale = 1:44.6



4-7-2	9-0-0	15-0-9	20-11-7	27-0-0
4-7-2	4-4-14	6-0-9	5-10-13	6-0-9

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

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	0.51	Vert(LL)	-0.09	9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.21	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.08	9	>999	240	Weight: 147 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-5 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=1208/0-5-8 (min. 0-1-8), 7=1208/Mechanical
Max Horz 1=187(LC 11)
Max Uplift1=-205(LC 12), 7=-295(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-2263/564, 2-15=-2181/571, 2-3=-1920/525, 3-16=-1894/563, 16-17=-1894/563, 17-18=-1894/563, 4-18=-1894/563, 4-5=-1899/565, 5-19=-1341/414, 6-19=-1341/414, 6-7=-1154/368
BOT CHORD 1-11=-740/1985, 10-11=-740/1985, 9-10=-596/1698, 8-9=-420/1341
WEBS 2-10=-333/162, 3-10=-16/345, 3-9=-108/262, 4-9=-437/224, 5-9=-222/691, 5-8=-847/351, 6-8=-453/1637

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 26-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 1 and 295 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	04K	Roof Special	1	1	Job Reference (optional)

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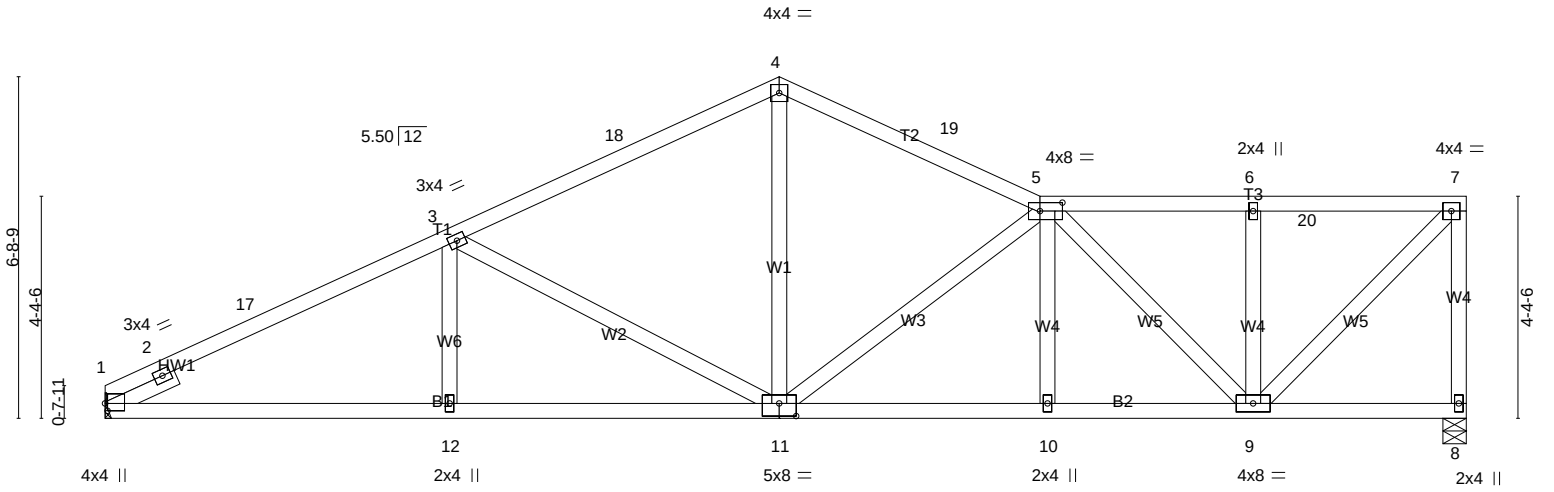
Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:03 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-zgbXxwqTPBd6z_GiviMG?Y9hH2NIEAblj2Hk1IzdgAs

6-9-4	13-3-0	18-4-8	22-6-12	26-9-0
6-9-4	6-5-12	5-1-8	4-2-4	4-2-4

Scale = 1:45.3



6-9-4	13-3-0	18-4-8	22-6-12	26-9-0
6-9-4	6-5-12	5-1-8	4-2-4	4-2-4

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

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	0.60	Vert(LL)	-0.08	11-12	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.20	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.06	11-12	>999	240	Weight: 151 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-6 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=1197/Mechanical, 8=1197/0-5-8 (min. 0-1-8)
Max Horz 1=215(LC 11)
Max Uplift1=-204(LC 12), 8=-222(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-783/67, 2-17=-2093/500, 3-17=-1947/513, 3-18=-1503/423, 4-18=-1401/433, 4-19=-1401/421, 5-19=-1470/410, 5-6=-1041/324, 6-20=-1041/324, 7-20=-1041/324, 7-8=-1157/337
BOT CHORD 1-12=-586/1831, 11-12=-586/1831, 10-11=-486/1690, 9-10=-484/1693
WEBS 3-11=-663/217, 4-11=-149/760, 5-11=-553/196, 5-9=-910/232, 6-9=-319/186, 7-9=-381/1459

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-3-0, Exterior(2) 13-3-0 to 16-3-0, Interior(1) 16-3-0 to 26-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 204 lb uplift at joint 1 and 222 lb uplift at joint 8.

LOAD CASE(S) Standard

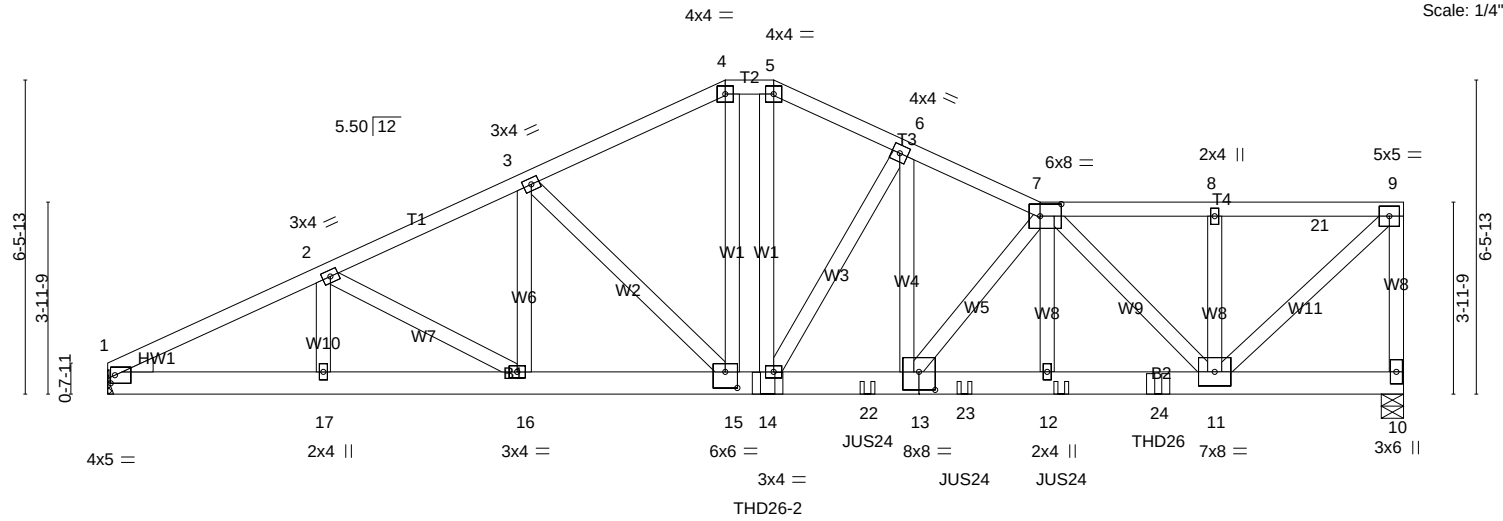
Job	Truss	Truss Type	Qty	Ply	
413220	04L	Roof Special Girder	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:06 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-NFGfZxsMi6?hqS?HbrwzdAnE6FK5RWgBP?VOe4zdgAp

4-5-7	8-7-3	12-9-0	13-9-0	16-6-0	19-3-0	22-10-4	26-9-0
4-5-7	4-1-13	4-1-13	1-0-0	2-9-0	2-9-0	3-7-4	3-10-12

Scale: 1/4"=1'



4-5-7	8-7-3	12-9-0	13-9-0	16-6-0	19-3-0	22-10-4	26-9-0
4-5-7	4-1-13	4-1-13	1-0-0	2-9-0	2-9-0	3-7-4	3-10-12

Plate Offsets (X,Y)-- [1:0-1-1,0-2-0], [7:0-5-4,0-3-0], [13:0-4-0,0-4-8], [15:0-3-0,0-4-0]

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	0.43	Vert(LL)	-0.12	13-14	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.28	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.66	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.13	13-14	>999	240	Weight: 391 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=3001/Mechanical, 10=4152/0-5-8 (min. 0-2-7)
Max Horz 1=201(LC 7)
Max Uplift1=-637(LC 8), 10=-951(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5858/1266, 2-3=-5934/1336, 3-4=-5753/1355, 4-5=-5217/1267, 5-6=-5737/1364, 6-7=-7102/1663, 7-8=-4222/1029, 8-21=-4222/1029, 9-21=-4222/1029, 9-10=-4138/982
BOT CHORD 1-17=-1117/5240, 16-17=-1117/5240, 15-16=-1122/5361, 14-15=-1100/5217, 14-22=-1362/6330, 13-22=-1362/6330, 13-23=-1600/7189, 12-23=-1600/7189, 12-24=-1609/7228, 11-24=-1609/7228
WEBS 2-17=-303/127, 2-16=-290/275, 3-16=-153/283, 3-15=-575/229, 4-15=-462/2084, 5-14=-565/2408, 6-14=-2304/584, 6-13=-525/2282, 7-13=-1303/370, 7-12=-227/960, 7-11=-4241/962, 8-11=-286/162, 9-11=-1348/5804

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 637 lb uplift at joint 1 and 951 lb uplift at joint 10.
10) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 13-7-8 from the left end to connect truss(es) 11A (2 ply 2x6 SP) to front face of bottom chord.
11) Use USP JUS24 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 15-8-4 from the left end to 19-8-4 to connect truss(es) 11B (1 ply 2x4 SP), 11C (1 ply 2x4 SP), 11D (1 ply 2x4 SP) to front face of bottom chord.

Continued on page 2

NOTES-

12) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent at 21-8-4 from the left end to connect truss(es) 11E (1 ply 2x4 SP) to front face of bottom chord.
13) 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: 1-4=-70, 4-5=-70, 5-7=-70, 7-9=-70, 10-18=-20
   Concentrated Loads (lb)
      Vert: 14=-2204(F) 12=-551(F) 22=-551(F) 23=-551(F) 24=-900(F)

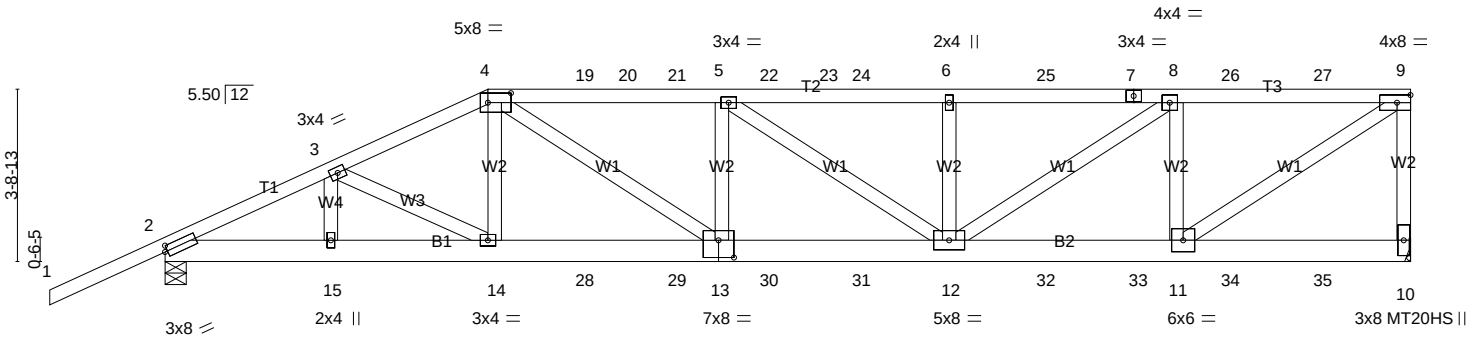
Job	Truss	Truss Type	Qty	Ply	
413220	04M	Half Hip Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:08 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-JeOQ_dtcEjGP3l9giFyRibtSD3_evOVUsJ_VjyzdgAn

-2-6-0	3-7-2	7-0-0	12-0-14	17-0-0	21-11-2	27-0-0
2-6-0	3-7-2	3-4-14	5-0-14	4-11-2	4-11-2	5-0-14

Scale = 1:49.9



3-7-2	7-0-0	12-0-14	17-0-0	21-11-2	27-0-0
3-7-2	3-4-14	5-0-14	4-11-2	4-11-2	5-0-14

Plate Offsets (X,Y)-- [2:0-0-11,0-1-8], [4:0-6-0,0-2-8], [13:0-4-0,0-4-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.25	TC	0.91	Vert(LL)	-0.18	12-13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.98	Vert(CT)	-0.41	12-13	>781	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr NO	WB	0.83	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.17	12-13	>999	240	Weight: 171 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.

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

REACTIONS. (lb/size) 10=2417/Mechanical, 2=2373/0-5-8 (min. 0-2-13)
Max Horz 2=166(LC 7)
Max Uplift10=-491(LC 5), 2=-531(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4234/730, 3-4=-4335/822, 4-19=-5021/968, 19-20=-5021/968, 20-21=-5021/968, 5-21=-5021/968, 5-22=-4703/903, 22-23=-4703/903, 23-24=-4703/903, 6-24=-4703/903, 6-25=-4703/903, 7-25=-4703/903, 7-8=-4703/903, 8-26=-3079/606, 26-27=-3079/606, 9-27=-3079/606, 9-10=-2311/523
BOT CHORD 2-15=-756/3789, 14-15=-756/3789, 14-28=-792/3932, 28-29=-792/3932, 13-29=-792/3932, 13-30=-998/5032, 30-31=-998/5032, 12-31=-998/5032, 12-32=-644/3079, 32-33=-644/3079, 11-33=-644/3079
WEBS 3-15=-270/128, 4-14=0/591, 4-13=-242/1355, 5-13=-530/270, 5-12=-398/85, 6-12=-645/300, 8-12=-374/1966, 8-11=-1826/554, 9-11=-722/3663

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 491 lb uplift at joint 10 and 531 lb uplift at joint 2.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 280 lb down and 242 lb up at 7-0-0, 133 lb down and 119 lb up at 9-0-12, 133 lb down and 119 lb up at 11-0-12, 133 lb down and 119 lb up at 13-0-12, 133 lb down and 119 lb up at 15-0-12, 133 lb down and 119 lb up at 17-0-12, 133 lb down and 119 lb up at 19-0-12, 133 lb down and 119 lb up at 21-0-12, and 133 lb down and 119 lb up at 23-0-12, and 133 lb down and 119 lb up at 25-0-12 on top chord, and 294 lb down and 32 lb up at 7-0-0, 89 lb down at 9-0-12, 89 lb down at 11-0-12, 89 lb down at 13-0-12, 89 lb down at 15-0-12, 89 lb down at 17-0-12, 89 lb down at 19-0-12, 89 lb down at 21-0-12, and 89 lb down at 23-0-12, and 89 lb down at 25-0-12 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).

Continued on page 2

LOAD CASE(S) Standard

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-70, 4-9=-70, 10-16=-20
   Concentrated Loads (lb)
      Vert: 4=-232(B) 7=-133(B) 14=-249(B) 6=-133(B) 12=-58(B) 19=-133(B) 21=-133(B) 22=-133(B) 24=-133(B) 25=-133(B) 26=-133(B) 27=-133(B) 28=-58(B) 29=-58(B) 30=-58(B) 31=-58(B) 32=-58(B) 33=-58(B) 34=-58(B) 35=-58(B)

Job	Truss	Truss Type	Qty	Ply	
413220	05A	Common Girder	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:10 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-G0WAPJvsmLW7I3J2qg_vn0yoDsikNGOnKdTbnrzdgAI

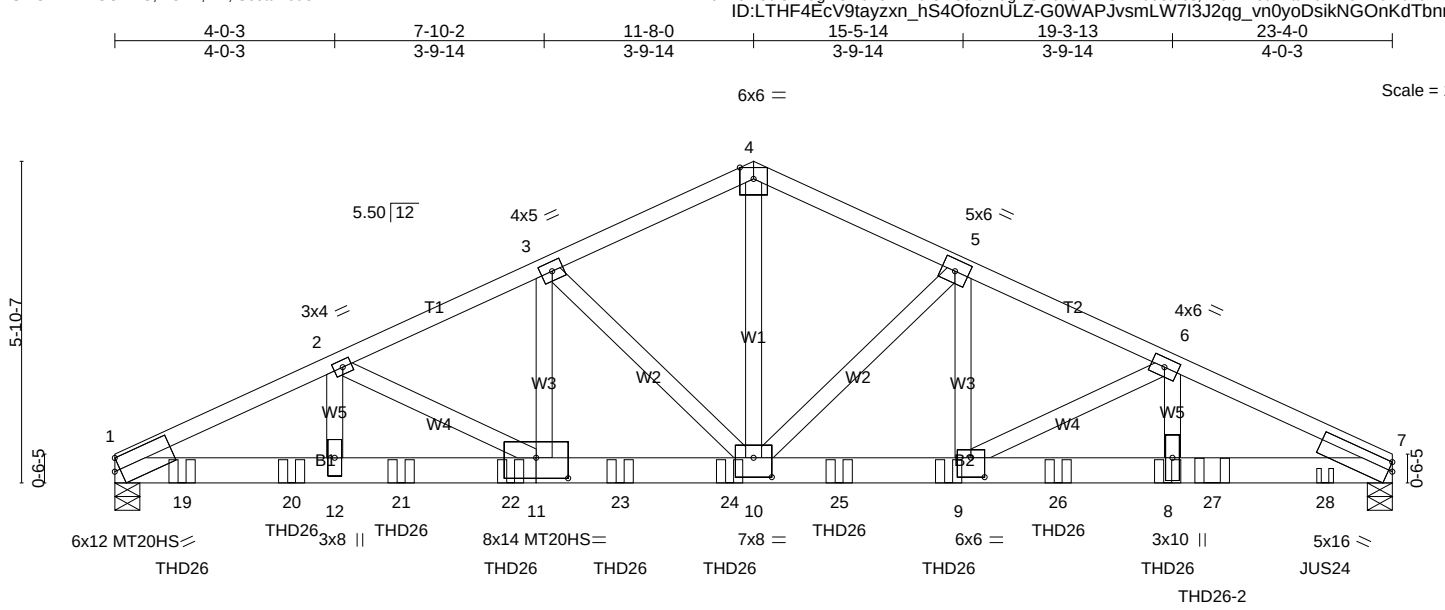


Plate Offsets (X,Y)-- [1:Edge,0-2-12], [7:Edge,0-1-14], [9:0-3-0,0-4-4], [10:0-4-0,0-4-4], [11:0-7-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	-0.20	10-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.45	10-11	>629	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.11	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.18	10-11	>999	240	Weight: 284 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP M 31
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=8119/0-5-8 (min. 0-4-2), 7=9378/0-5-8 (min. 0-4-12)
Max Horz 1=97(LC 7)
Max Uplift1=-1458(LC 8), 7=-1769(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-15280/2754, 2-3=-13265/2420, 3-4=-10287/1926, 4-5=-10288/1926, 5-6=-13908/2573, 6-7=-18317/3446
BOT CHORD 1-19=-2457/13821, 19-20=-2457/13821, 12-20=-2457/13821, 12-21=-2457/13821, 21-22=-2457/13821, 11-22=-2457/13821, 11-23=-2077/11896, 23-24=-2077/11896, 10-24=-2077/11896, 10-25=-2241/12627, 9-25=-2241/12627, 9-26=-3085/16565, 8-26=-3085/16565, 8-27=-3085/16565, 27-28=-3085/16565, 7-28=-3085/16565
WEBS 4-10=-1497/8237, 5-10=-4648/918, 5-9=-792/4442, 6-9=-4451/950, 6-8=-753/3772, 3-10=-3625/689, 3-11=-575/3492, 2-11=-2051/406, 2-12=-273/1640

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 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1458 lb uplift at joint 1 and 1769 lb uplift at joint 7.
9) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-2-12 from the left end to 19-2-12 to connect truss(es) T58 (1 ply 2x4 SP), T59 (1 ply 2x4 SP), T60 (1 ply 2x4 SP), T61 (1 ply 2x4 SP), T62 (1 ply 2x4 SP), T63 (1 ply 2x4 SP), T64 (1 ply 2x4 SP), T65 (1 ply 2x4 SP), T66 (1 ply 2x4 SP), T67 (1 ply 2x4 SP) to back face of bottom chord.
10) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 20-0-8 from the left end to connect truss(es) T49 (2 ply 2x6 SP) to back face of bottom chord.
11) Use USP JUS24 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 22-1-4 from the left end to connect truss(es) T48 (1 ply 2x4 SP) to back 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: 1-4=-70, 4-7=-70, 13-16=-20

Concentrated Loads (lb)

Vert: 9=-1185(B) 8=-1177(B) 19=-1177(B) 20=-1177(B) 21=-1177(B) 22=-1185(B) 23=-1185(B) 24=-1185(B) 25=-1185(B) 26=-1185(B) 27=-2998(B) 28=-581(B)

Job	Truss	Truss Type	Qty	Ply	
413220	05B	Common	3	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:11 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-kD4YcfwVXee_wDuFNOV8KEV2CG4a6r7wYHD9JHzdgAk

-2-6-0	5-11-2	11-8-0	17-4-14	23-4-0	25-10-0
2-6-0	5-11-2	5-8-14	5-8-14	5-11-2	2-6-0

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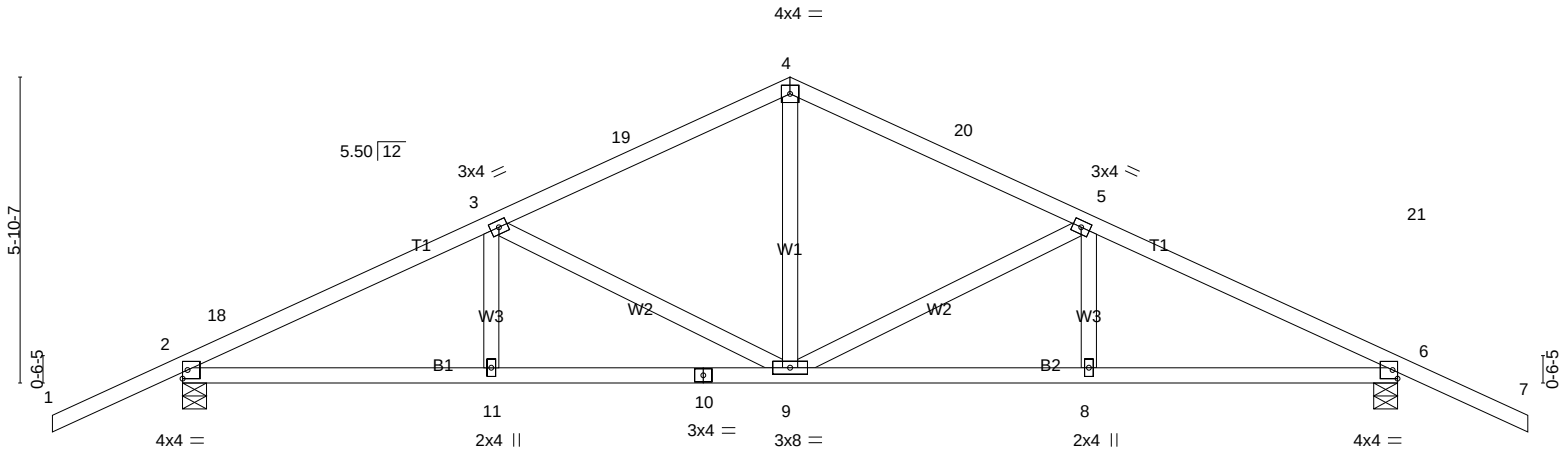


5-11-2	11-8-0	17-4-14	23-4-0
5-11-2	5-8-14	5-8-14	5-11-2

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	9-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.71	Vert(CT)	-0.18	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.39	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.07	9-11	>999	240	Weight: 115 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-0 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=1225/0-5-8 (min. 0-1-8), 6=1225/0-5-8 (min. 0-1-8)
Max Horz 2=-118(LC 10)
Max Uplift2=-295(LC 12), 6=-295(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1805/355, 3-18=-1796/375, 3-19=-1294/326, 4-19=-1208/336, 4-20=-1208/336, 5-20=-1294/326, 5-21=-1796/374, 6-21=-1805/354
BOT CHORD 2-11=-199/1556, 10-11=-199/1556, 9-10=-199/1556, 8-9=-243/1556, 6-8=-243/1556
WEBS 4-9=-71/628, 5-9=-543/174, 3-9=-543/175

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 11-8-0, Exterior(2) 11-8-0 to 14-8-0, Interior(1) 14-8-0 to 25-10-0 zone; cantilever left and right exposed ; end vertical 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 295 lb uplift at joint 2 and 295 lb uplift at joint 6.

LOAD CASE(S) Standard

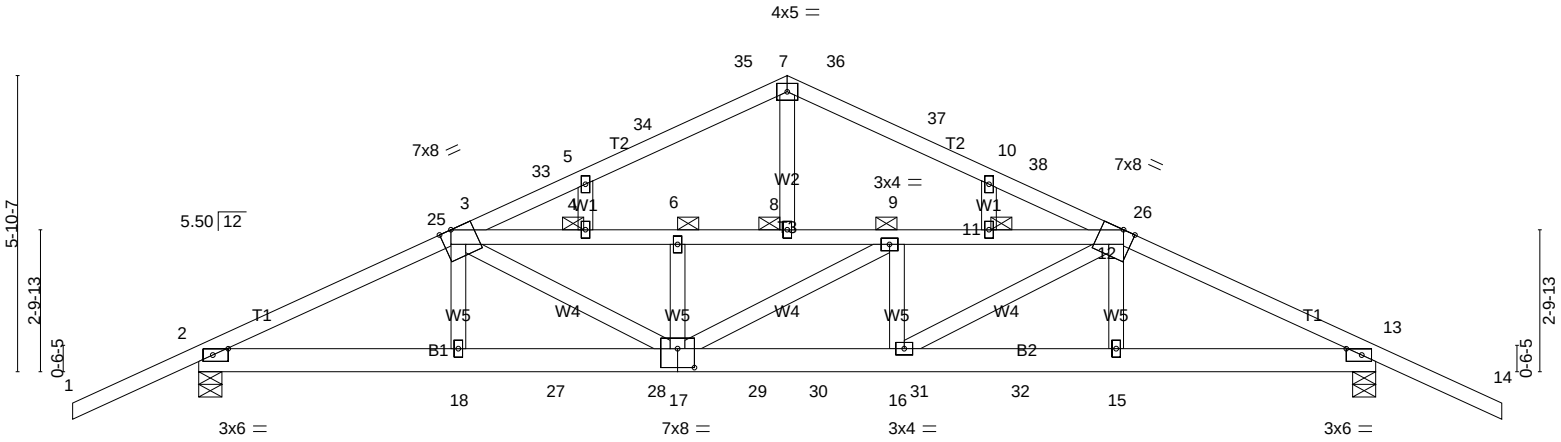
Job	Truss	Truss Type	Qty	Ply	
413220	05C	Hip Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:13 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-gbCJ1Kxl3Guh9W1dVpYcPfaMr4lsapOD0biGOAzdgAi

-2-6-0	5-0-0	7-8-0	9-5-15	11-8-0	13-10-1	15-8-0	18-4-0	23-4-0	25-10-0
2-6-0	5-0-0	2-8-0	1-9-15	2-2-1	2-2-1	1-9-15	2-8-0	5-0-0	2-6-0

Scale = 1:45.7



5-0-0	9-5-15	13-10-1	18-4-0	23-4-0
5-0-0	4-5-15	4-4-3	4-5-15	5-0-0

Plate Offsets (X,Y)-- [2:0-3-11,Edge], [3:0-3-0,Edge], [12:0-3-0,0-0-0], [13:0-3-11,Edge], [17:0-4-0,0-4-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.25	TC	0.72	Vert(LL)	-0.11	16-17	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.79	Vert(CT)	-0.26	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.08	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.11	17	>999	240	Weight: 161 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-10 oc purlins. Except:
1 Row at midpt 3-6, 9-12
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 6, 9, 8

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

REACTIONS. (lb/size) 2=1824/0-5-8 (min. 0-2-2), 13=1824/0-5-8 (min. 0-2-2)
Max Horz 2=118(LC 7)
Max Uplift2=-467(LC 8), 13=-467(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-3293/658, 3-25=-3141/649, 3-4=-2216/453, 4-6=-2216/453, 6-8=-2216/453, 8-9=-2216/453, 9-11=-2217/455, 11-12=-2217/455, 12-26=-3141/649, 13-26=-3293/657, 3-33=-1207/253, 5-33=-1112/236, 5-34=-1164/303, 34-35=-1100/285, 7-35=-1000/275, 7-36=-1000/276, 36-37=-1100/285, 10-37=-1164/304, 10-38=-1112/236, 12-38=-1207/253
BOT CHORD 2-18=-486/2957, 18-27=-494/2953, 27-28=-494/2953, 17-28=-494/2953, 17-29=-506/3230, 29-30=-506/3230, 16-30=-506/3230, 16-31=-500/2953, 31-32=-500/2953, 15-32=-500/2953, 13-15=-494/2957
WEBS 3-17=-10/320, 12-16=-13/323, 7-8=0/358

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 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 467 lb uplift at joint 2 and 467 lb uplift at joint 13.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 107 lb down and 96 lb up at 5-0-0, 125 lb down and 100 lb up at 5-4-3, 125 lb down and 100 lb up at 7-0-12, 125 lb down and 100 lb up at 9-0-12, 125 lb down and 96 lb up at 11-0-12, 125 lb down and 96 lb up at 12-3-4, 125 lb down and 100 lb up at 14-3-4, 125 lb down and 100 lb up at 16-3-4, and 125 lb down and 100 lb up at 17-11-13, and 107 lb down and 96 lb up at 18-4-0 on top chord, and 97 lb down and 58 lb up at 5-0-0, 57 lb down at 7-0-12, 57 lb down at 9-0-12, 57 lb down at 11-0-12, 57 lb down at 12-3-4, 57 lb down at 14-3-4, and 57 lb down at 16-3-4, and 97 lb down and 58 lb up at 18-3-4 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

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-70, 12-14=-70, 19-22=-20, 3-7=-70, 7-12=-70

Concentrated Loads (lb)

Vert: 3=-85(F) 12=-85(F) 18=-68(F) 15=-68(F) 25=-50(F) 26=-50(F) 27=-48(F) 28=-48(F) 29=-48(F) 30=-48(F) 31=-48(F) 32=-48(F) 33=-85(F) 34=-85(F) 35=-85(F) 36=-85(F) 37=-85(F) 38=-85(F)

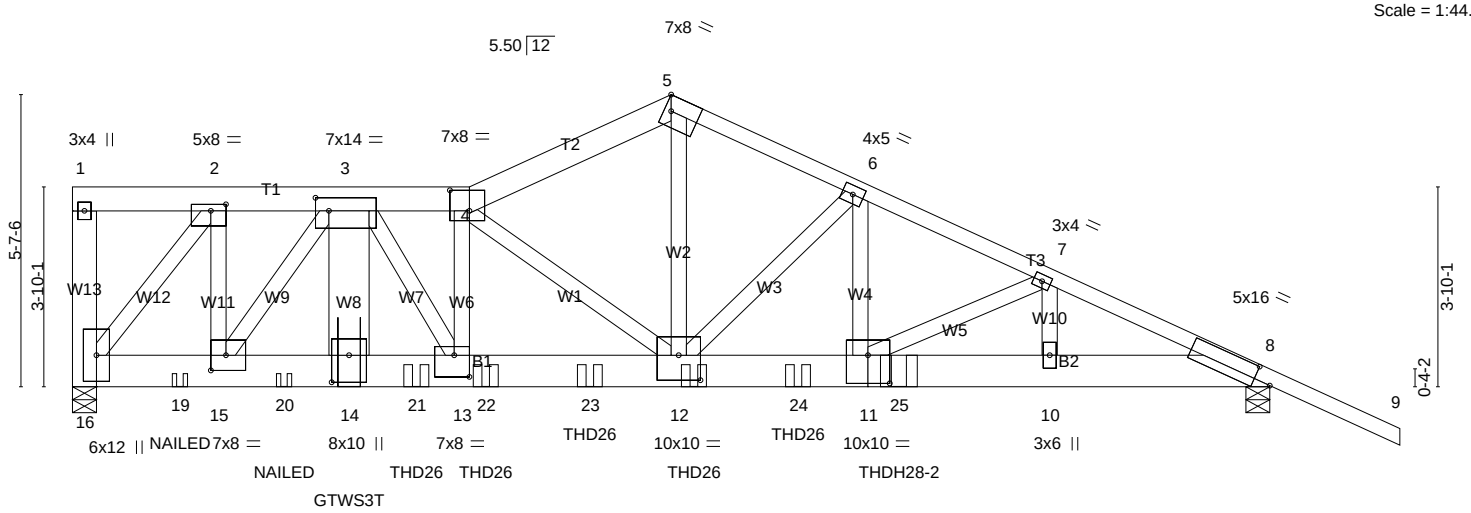
Job	Truss	Truss Type	Qty	Ply	
413220	06A	ROOF SPECIAL GIRDER	1	3	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:17 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-YNRpti_F6UO7e8LOkecYZVk4ChAHWTTpxDgTXxzdgAe

2-9-10	5-3-12	7-7-8	11-6-0	15-1-10	18-9-4	23-0-0	25-6-0
2-9-10	2-6-2	2-3-12	3-10-8	3-7-10	3-7-10	4-2-12	2-6-0

Scale = 1:44.3



2-9-10	5-3-12	7-7-8	11-6-0	15-1-10	18-9-4	23-0-0
2-9-10	2-6-2	2-3-12	3-10-8	3-7-10	3-7-10	4-2-12

Plate Offsets (X,Y)-- [2:0-3-8,0-1-8], [3:0-3-2,0-3-0], [4:0-4-8,0-4-12], [8:0-3-15,0-3-0], [11:0-5-0,0-6-8], [12:0-5-0,0-5-12], [13:0-3-8,0-5-0], [14:0-6-4,0-4-0], [15:0-3-8,0-3-8]

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	0.63	Vert(LL)	-0.16	12-13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.39	12-13	>691	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.14	12-13	>999	240	Weight: 587 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
T3: 2x4 SP M 31
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2 *Except*
W13: 2x6 SP No.2, W11,W2: 2x4 SP M 31, W8: 2x10 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=10432/0-5-8 (min. 0-3-8), 16=15387/0-5-8 (min. 0-2-0)
Max Horz 16=-201(LC 23)
Max Uplift8=-1798(LC 8), 16=-2208(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-384/128, 1-2=-340/93, 2-3=-11580/1642, 3-4=-25187/3727, 4-5=-18610/2984, 5-6=-18990/3051, 6-7=-23029/3738, 7-8=-23090/3668
BOT CHORD 16-19=-1462/11580, 15-19=-1462/11580, 15-20=-2890/22014, 14-20=-2890/22014, 14-21=-2890/22014, 13-21=-2890/22014, 13-22=-3560/25241, 22-23=-3560/25241, 12-23=-3560/25241, 12-24=-3197/20703, 11-24=-3197/20703, 11-25=-3214/20911, 10-25=-3214/20911, 8-10=-3214/20911
WEBS 2-16=-18299/2531, 2-15=-1900/14003, 3-15=-17250/2373, 3-14=-868/9510, 3-13=-1185/5787, 4-13=-1400/454, 4-12=-11087/1398, 5-12=-2415/15403, 6-12=-4880/917, 6-11=-835/4915, 7-11=-247/416, 7-10=-347/106

NOTES-
1) 3-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected with 10d (0.131"x3") nails as follows: 2x8 - 4 rows staggered at 0-4-0 oc.
Web connected with FMTSZ412 as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 4 rows staggered at 0-7-0 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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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.
8) Bearing at joint(s) 16 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 1798 lb uplift at joint 8 and 2208 lb uplift at joint 16.
10) Use USP GTWS3T (With 28-WS3 nails into Girder & 24-WS3 nails into Truss) or equivalent at 5-3-12 from the left end to connect truss(es) 01A (3 ply 2x8 SP) to front face of bottom chord.

Continued on page 2

NOTES-

11) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 6-7-4 from the left end to 13-11-4 to connect truss(es) 01B (1 ply 2x4 SP), 01C (1 ply 2x4 SP), 01D (1 ply 2x4 SP), 01E (1 ply 2x4 SP), 01F (1 ply 2x4 SP) to front face of bottom chord.
12) Use USP THDH28-2 (With 36-16d nails into Girder & 10-16d nails into Truss) or equivalent at 15-10-8 from the left end to connect truss(es) 01G (2 ply 2x8 SP) to front face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.
14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 294 lb down and 129 lb up at 0-2-12 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=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-70, 4-5=-70, 5-9=-70, 8-16=-20
   Concentrated Loads (lb)
      Vert: 1=-174 14=-9575(F) 12=-1987(F) 19=-193(F) 20=-193(F) 21=-1388(F) 22=-1987(F) 23=-1987(F) 24=-1987(F) 25=-4126(F)

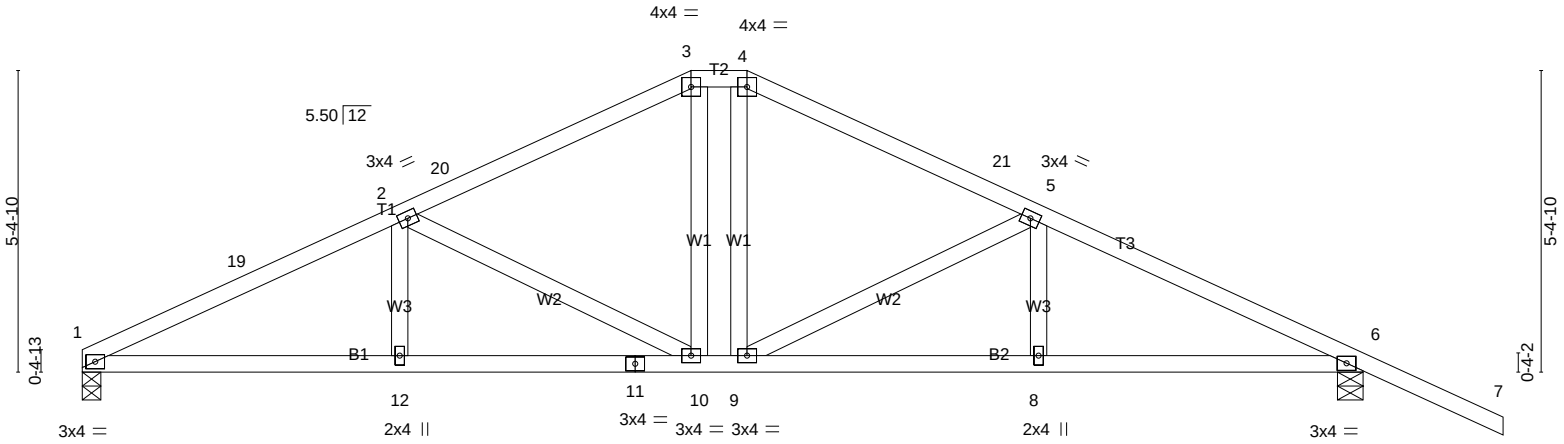
Job	Truss	Truss Type	Qty	Ply	
413220	06B	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:18 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-1Z?C42?utoW_GIwbIM8n6iHH55XQF?my9tP13NzdgAd

5-8-1	10-10-8	11-10-8	17-0-15	22-10-8	25-4-8
5-8-1	5-2-7	1-0-0	5-2-7	5-9-9	2-6-0

Scale = 1:41.1



5-8-1	10-10-8	11-10-8	17-0-15	22-10-8
5-8-1	5-2-7	1-0-0	5-2-7	5-9-9

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)	-0.06	8-9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.15	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.05	8-9	>999	240	Weight: 114 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-2 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=1020/0-4-0 (min. 0-1-8), 6=1214/0-5-8 (min. 0-1-8)
Max Horz 1=-113(LC 10)
Max Uplift 1=-169(LC 12), 6=-299(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-1931/478, 2-19=-1857/489, 2-20=-1346/389, 3-20=-1261/406, 3-4=-1155/403, 4-21=-1261/388, 5-21=-1345/371, 5-6=-1907/472
BOT CHORD 1-12=-323/1694, 11-12=-323/1694, 10-11=-323/1694, 9-10=-147/1155, 8-9=-334/1669, 6-8=-334/1669
WEBS 2-10=-640/227, 3-10=-96/334, 4-9=-68/331, 5-9=-607/210

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-10-8, Exterior(2) 10-10-8 to 16-1-7, Interior(1) 16-1-7 to 25-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;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 169 lb uplift at joint 1 and 299 lb uplift at joint 6.

LOAD CASE(S) Standard

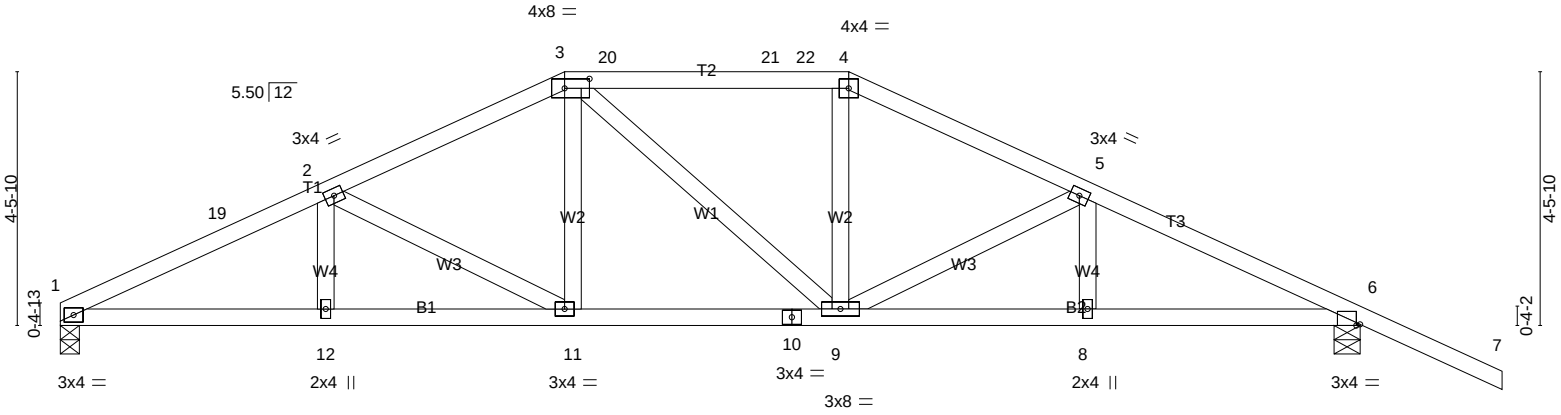
Job	Truss	Truss Type	Qty	Ply	
413220	06C	Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:20 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-zy7yVk18PPmiVb4zPnAFB7McbuChjzTFdBu78GzdgAb

4-8-1	8-10-8	13-10-8	18-0-15	22-10-8	25-4-8
4-8-1	4-2-7	5-0-0	4-2-7	4-9-9	2-6-0

Scale = 1:40.6



4-8-1	8-10-8	13-10-8	18-0-15	22-10-8
4-8-1	4-2-7	5-0-0	4-2-7	4-9-9

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [6:0-0-13,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	0.50	Vert(LL)	-0.06	9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.14	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.05	8-9	>999	240	Weight: 115 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-4-10 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=1020/0-4-0 (min. 0-1-8), 6=1214/0-5-8 (min. 0-1-8)
Max Horz 1=-96(LC 10)
Max Uplift1=-169(LC 12), 6=-299(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-1972/526, 2-19=-1898/534, 2-3=-1535/465, 3-20=-1345/473, 20-21=-1345/473, 21-22=-1345/473, 4-22=-1345/473, 4-5=-1532/472, 5-6=-1938/530
BOT CHORD 1-12=-374/1739, 11-12=-374/1739, 10-11=-230/1347, 9-10=-230/1347, 8-9=-394/1704, 6-8=-394/1704
WEBS 2-11=-457/184, 3-11=-28/346, 4-9=-6/346, 5-9=-419/160

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-10-8, Exterior(2) 8-10-8 to 13-1-7, Interior(1) 13-1-7 to 13-10-8, Exterior(2) 13-10-8 to 18-0-15, Interior(1) 18-0-15 to 25-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;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 169 lb uplift at joint 1 and 299 lb uplift at joint 6.

LOAD CASE(S) Standard

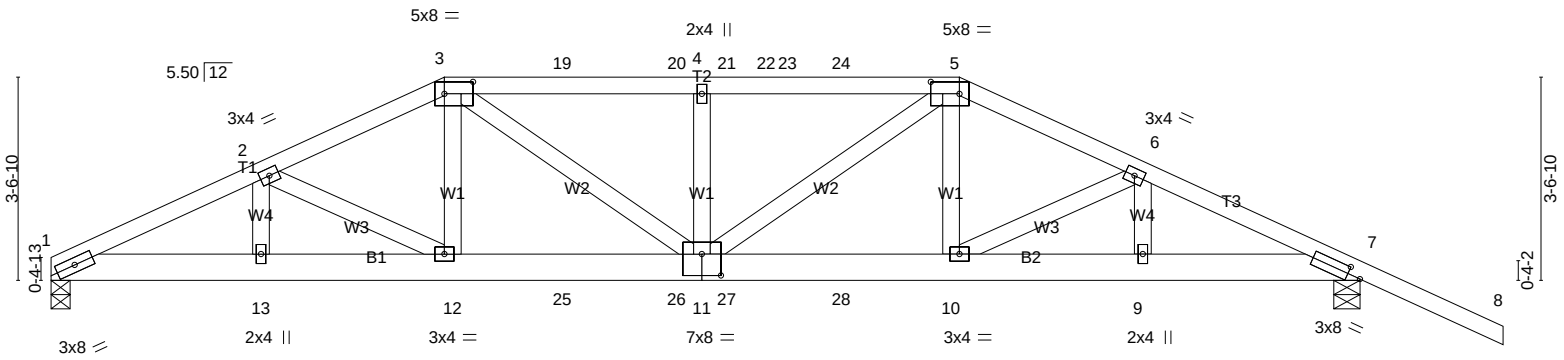
Job	Truss	Truss Type	Qty	Ply	
413220	06D	Hip Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:21 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-R8gKj41mAjuZ7leAzUhUkLvh8ISnSPYPrrehgizdgAa

3-8-1	6-10-8	11-4-8	15-10-8	19-0-15	22-10-8	25-4-8
3-8-1	3-2-7	4-6-0	4-6-0	3-2-7	3-9-9	2-6-0

Scale = 1:40.3



3-8-1	6-10-8	11-4-8	15-10-8	19-0-15	22-10-8
3-8-1	3-2-7	4-6-0	4-6-0	3-2-7	3-9-9

Plate Offsets (X,Y)-- [3:0-6-0,0-2-8], [5:0-6-0,0-2-8], [7:0-2-13,0-1-8], [11:0-4-0,0-4-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.15	11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.33	11	>822	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.09	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.13	11	>999	240	Weight: 135 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-9-9 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=1923/0-4-0 (min. 0-2-4), 7=2107/0-5-8 (min. 0-2-8)
Max Horz 1=-80(LC 6)
Max Uplift1=-338(LC 8), 7=-466(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4116/740, 2-3=-3915/720, 3-19=-4228/785, 19-20=-4228/785, 4-20=-4228/785, 4-21=-4228/785, 21-22=-4228/785, 22-23=-4228/785, 23-24=-4228/785, 5-24=-4228/785, 5-6=-3919/704, 6-7=-4098/658
BOT CHORD 1-13=-568/3711, 12-13=-568/3711, 12-25=-518/3556, 25-26=-518/3556, 11-26=-518/3556, 11-27=-517/3561, 27-28=-517/3561, 10-28=-517/3561, 9-10=-527/3694, 7-9=-527/3694
WEBS 2-12=-338/78, 3-12=-4/685, 3-11=-152/874, 4-11=-747/324, 5-11=-153/863, 5-10=0/699, 6-10=-280/10

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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 338 lb uplift at joint 1 and 466 lb uplift at joint 7.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 247 lb down and 224 lb up at 6-10-8, 129 lb down and 114 lb up at 8-11-4, 129 lb down and 114 lb up at 10-11-4, 129 lb down and 114 lb up at 11-9-12, and 129 lb down and 114 lb up at 13-9-12, and 247 lb down and 224 lb up at 15-10-8 on top chord, and 331 lb down and 34 lb up at 6-10-8, 88 lb down at 8-11-4, 88 lb down at 10-11-4, 88 lb down at 11-9-12, and 88 lb down at 13-9-12, and 331 lb down and 34 lb up at 15-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-70, 3-5=-70, 5-8=-70, 7-14=-20

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	
413220	06D	Hip Girder	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-200(B) 5=-200(B) 12=-316(B) 10=-316(B) 19=-129(B) 20=-129(B) 21=-129(B) 24=-129(B) 25=-62(B) 26=-62(B) 27=-62(B) 28=-62(B)

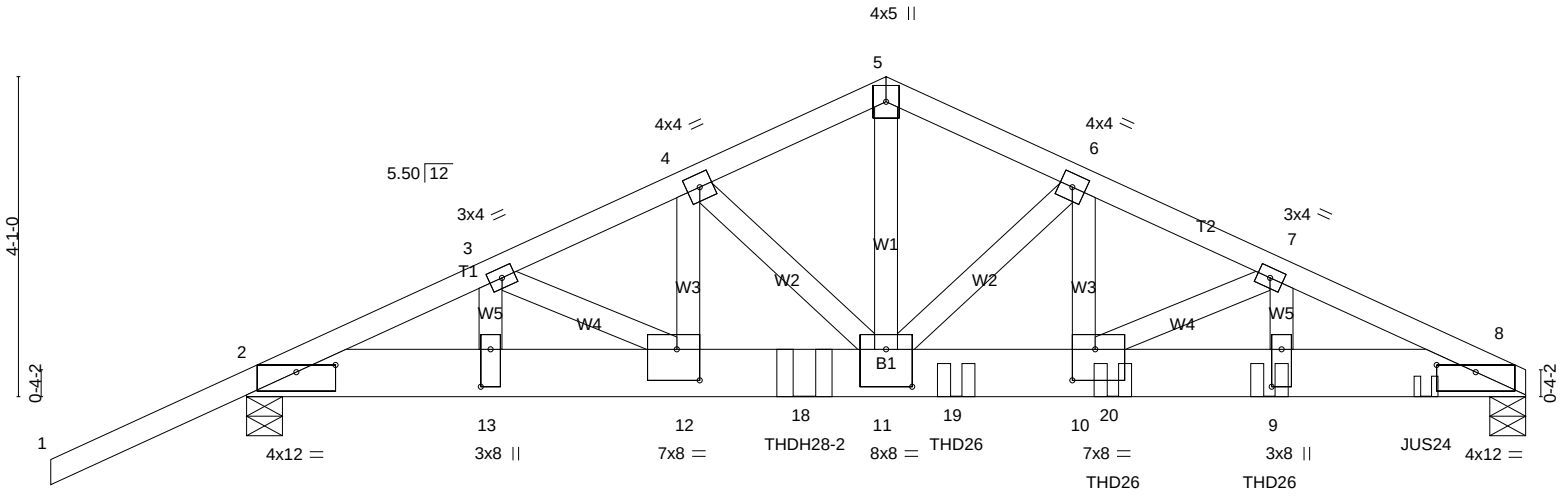
Job	Truss	Truss Type	Qty	Ply	
413220	07A	Common Girder	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:23 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-NXo57l30iK8HM3oY4vjypm_4i6EswBhiJ97nlbzdgAY

-2-6-0	3-1-6	5-7-11	8-2-0	10-8-5	13-2-10	16-4-0
2-6-0	3-1-6	2-6-5	2-6-5	2-6-5	2-6-5	3-1-6

Scale = 1:29.4



3-1-6	5-7-11	8-2-0	10-8-5	13-2-10	16-4-0
3-1-6	2-6-5	2-6-5	2-6-5	2-6-5	3-1-6

Plate Offsets (X,Y)-- [2:0-6-0,0-1-2], [8:0-6-0,0-1-2], [9:0-5-12,0-1-8], [10:0-3-8,0-4-12], [11:0-4-0,0-5-12], [12:0-3-8,0-4-12], [13:0-5-12,0-1-8]

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	0.70	Vert(LL)	-0.10	10-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.22	10-11	>863	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.09	10-11	>999	240	Weight: 223 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=5891/0-5-8 (min. 0-3-0), 2=4245/0-5-8 (min. 0-2-2)
Max Horz 2=89(LC 7)
Max Uplift 8=-1046(LC 8), 2=-864(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-8295/1385, 3-4=-9014/1604, 4-5=-8112/1484, 5-6=-8114/1485, 6-7=-10330/1860, 7-8=-11656/2080
BOT CHORD 2-13=-1218/7487, 12-13=-1218/7487, 12-18=-1387/8172, 11-18=-1387/8172, 11-19=-1621/9378, 10-19=-1621/9378, 10-20=-1852/10537, 9-20=-1852/10537, 8-9=-1852/10537
WEBS 5-11=-1156/6490, 6-11=-2821/536, 6-10=-458/2716, 7-10=-1319/259, 7-9=-189/1119, 4-11=-1137/209, 4-12=-141/1018, 3-12=-214/792, 3-13=-734/222

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 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-3-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 6-10 2x4 - 1 row at 0-8-0 oc, member 7-9 2x4 - 2 rows staggered at 0-3-0 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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 1046 lb uplift at joint 8 and 864 lb uplift at joint 2.
8) Use USP THDH28-2 (With 36-16d nails into Girder & 10-16d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) FG4 (2 ply 2x4 SP) to back face of bottom chord.
9) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 13-0-12 to connect truss(es) T20 (1 ply 2x4 SP), T21 (1 ply 2x4 SP), T22 (1 ply 2x4 SP) to back face of bottom chord.
10) Use USP JUS24 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 15-0-12 from the left end to connect truss(es) J8 (1 ply 2x4 SP) to back face of bottom chord.
11) 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=-70, 5-8=-70, 2-8=-20
   Concentrated Loads (lb)
      Vert: 9=-1627(B) 15=-534(B) 18=-3100(B) 19=-1627(B) 20=-1627(B)

Job	Truss	Truss Type	Qty	Ply	
413220	07B	Common Girder	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:25 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-KvwrYR5HExP_bMyxCKmQuB4RzvuyO28_mTcupTzdgAW

3-1-6	5-7-11	8-2-0	10-8-5	13-2-10	16-4-0	18-10-0
3-1-6	2-6-5	2-6-5	2-6-5	2-6-5	3-1-6	2-6-0

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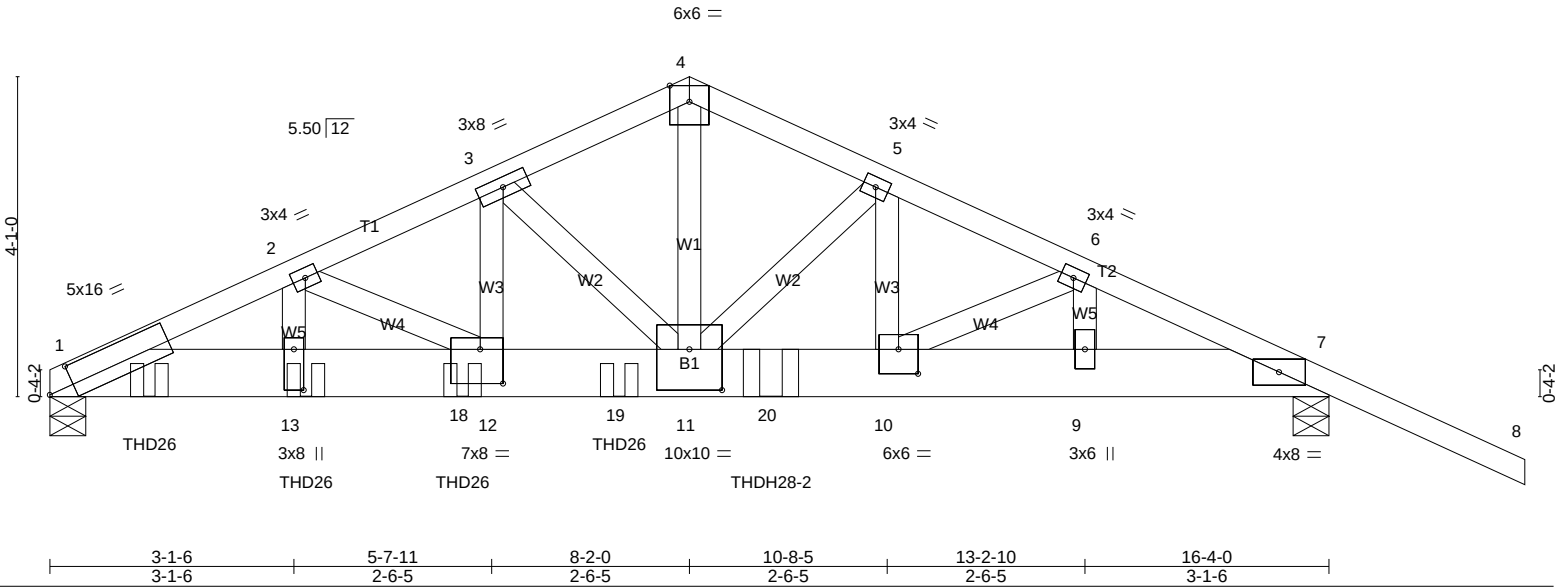

3-1-6	5-7-11	8-2-0	10-8-5	13-2-10	16-4-0
3-1-6	2-6-5	2-6-5	2-6-5	2-6-5	3-1-6

Plate Offsets (X,Y)-- [1:0-3-15,0-3-0], [10:0-3-0,0-3-12], [11:0-5-0,0-6-4], [12:0-3-8,0-5-4], [13:0-6-4,0-1-8]

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	0.58	Vert(LL)	-0.11	11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.25	11-12	>758	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.10	11	>999	240	Weight: 223 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
T2: 2x4 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=8392/0-5-8 (min. 0-4-4), 7=5205/0-5-8 (min. 0-2-10)
Max Horz 1=-89(LC 6)
Max Uplift1=-1480(LC 8), 7=-1018(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-15384/2719, 2-3=-13057/2313, 3-4=-10220/1827, 4-5=-10222/1828, 5-6=-11303/1971, 6-7=-10366/1721
BOT CHORD 1-13=-2367/13946, 13-18=-2367/13946, 12-18=-2367/13946, 12-19=-1967/11858, 11-19=-1967/11858, 11-20=-1654/10252, 10-20=-1654/10252, 9-10=-1458/9363, 7-9=-1458/9363
WEBS 4-11=-1436/8209, 5-11=-1354/239, 5-10=-175/1263, 6-10=-253/1022, 6-9=-915/248, 3-11=-3597/676, 3-12=-606/3537, 2-12=-2363/451, 2-13=-336/1986

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 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-2-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-12 2x4 - 1 row at 0-5-0 oc, member 2-13 2x4 - 2 rows staggered at 0-2-0 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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 1480 lb uplift at joint 1 and 1018 lb uplift at joint 7.
8) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-3-4 from the left end to 7-3-4 to connect truss(es) T14 (1 ply 2x4 SP), T13 (1 ply 2x4 SP), T12 (1 ply 2x4 SP), T11 (1 ply 2x4 SP) to back face of bottom chord.
9) Use USP THDH28-2 (With 36-16d nails into Girder & 10-16d nails into Truss) or equivalent at 9-2-8 from the left end to connect truss(es) FG3 (2 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-70, 4-8=-70, 1-7=-20
   Concentrated Loads (lb)
      Vert: 13=-1987(B) 15=-1987(B) 18=-1987(B) 19=-1987(B) 20=-4028(B)

Job	Truss	Truss Type	Qty	Ply	
413220	07C	Common	10	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:26 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-o5UDmn5v?FXrDWX7m1HfROce4Jlj7iY8?7LSLvzdgAV

-2-6-0	4-4-9	8-2-0	11-11-7	16-4-0	18-10-0
2-6-0	4-4-9	3-9-7	3-9-7	4-4-9	2-6-0

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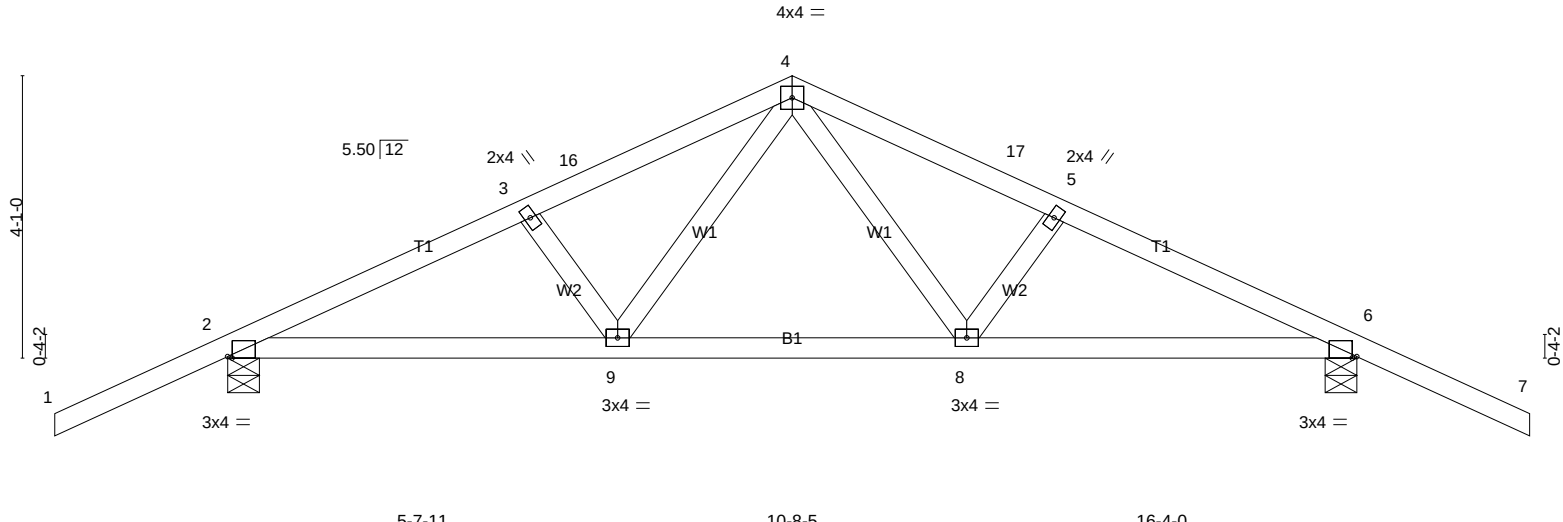

5-7-11	10-8-5	16-4-0
5-7-11	5-0-10	5-7-11

Plate Offsets (X,Y)-- [2:0-0-13,Edge], [6:0-0-13,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	0.50	Vert(LL)	-0.03	8-9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.35	Vert(CT)	-0.08	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.08	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.03	8-9	>999	240	Weight: 79 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-9 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=910/0-5-8 (min. 0-1-8), 6=910/0-5-8 (min. 0-1-8)
Max Horz 2=89(LC 11)
Max Uplift2=-241(LC 12), 6=-241(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1244/275, 3-16=-1096/254, 4-16=-1037/265, 4-17=-1037/264, 5-17=-1096/254, 5-6=-1244/275
BOT CHORD 2-9=-121/1080, 8-9=-39/742, 6-8=-165/1080
WEBS 4-8=-76/374, 5-8=-254/150, 4-9=-77/374, 3-9=-254/150

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-7-1, Interior(1) 0-7-1 to 8-2-0, Exterior(2) 8-2-0 to 11-2-0, Interior(1) 11-2-0 to 18-10-0 zone; cantilever left and right exposed ; end vertical 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 241 lb uplift at joint 2 and 241 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	07D	Hip Girder	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:28 2019 Page 1
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-2-6-0	3-0-0	8-2-0	13-4-0	16-4-0	18-10-0
2-6-0	3-0-0	5-2-0	5-2-0	3-0-0	2-6-0

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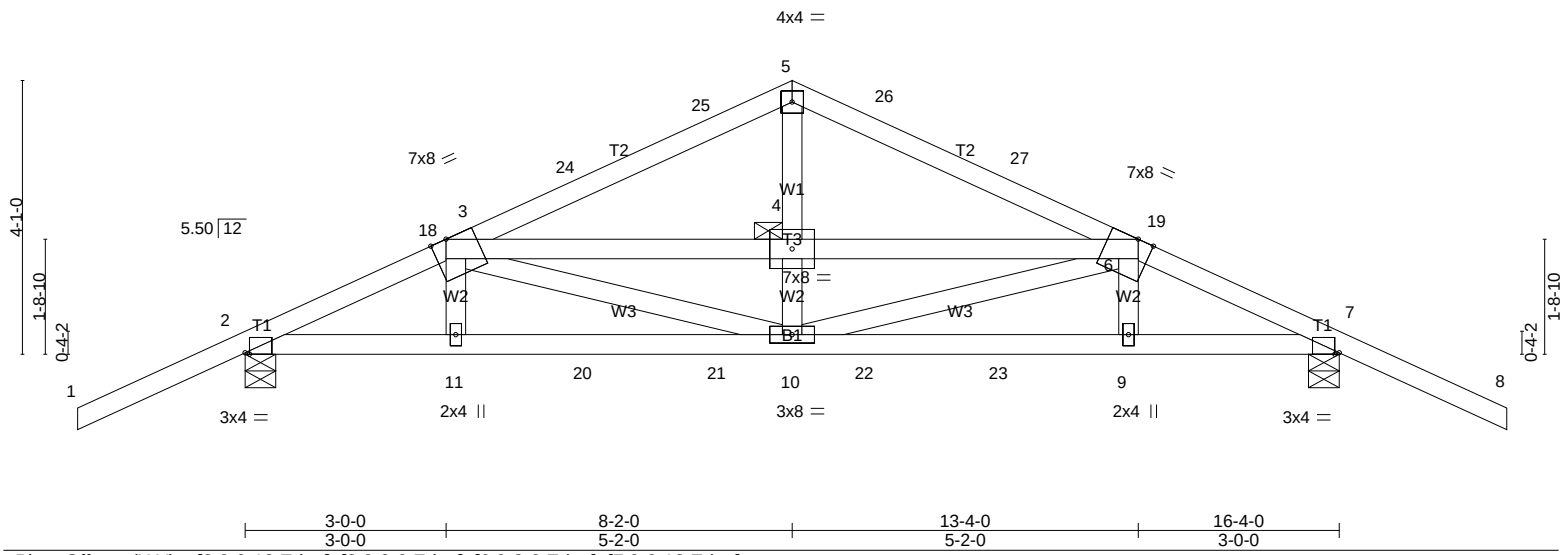

3-0-0	8-2-0	13-4-0	16-4-0
3-0-0	5-2-0	5-2-0	3-0-0

Plate Offsets (X,Y)-- [2:0-0-13,Edge], [3:0-3-0,Edge], [6:0-3-0,Edge], [7:0-0-13,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	0.56	Vert(LL)	-0.03	9-10	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.43	Vert(CT)	-0.07	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.06	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.03	9-10	>999	240	Weight: 97 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 4

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

REACTIONS. (lb/size) 2=762/0-5-8 (min. 0-1-8), 7=762/0-5-8 (min. 0-1-8)
Max Horz 2=89(LC 7)
Max Uplift2=-323(LC 8), 7=-323(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1004/302, 3-18=-968/293, 3-4=-326/126, 4-6=-326/126, 6-19=-968/293, 7-19=-1004/302, 3-24=-649/165, 24-25=-578/166, 5-25=-535/174, 5-26=-535/174, 26-27=-578/166, 6-27=-649/165
BOT CHORD 2-11=-182/892, 11-20=-191/897, 20-21=-191/897, 10-21=-191/897, 10-22=-191/897, 22-23=-191/897, 9-23=-191/897, 7-9=-182/892
WEBS 4-10=0/274, 4-5=-0/287

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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 323 lb uplift at joint 2 and 323 lb uplift at joint 7.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 148 lb up at 3-0-0, 27 lb down and 31 lb up at 3-4-3, 27 lb down and 31 lb up at 5-0-12, 27 lb down and 31 lb up at 7-0-12, 27 lb down and 26 lb up at 8-2-0, 27 lb down and 31 lb up at 9-3-4, 27 lb down and 31 lb up at 11-3-4, and 27 lb down and 31 lb up at 12-11-13, and 148 lb up at 13-4-0 on top chord, and 70 lb up at 3-0-0, 4 lb down and 8 lb up at 5-0-12, 4 lb down and 8 lb up at 7-0-12, 4 lb down and 8 lb up at 8-2-0, 4 lb down and 8 lb up at 9-3-4, and 4 lb down and 8 lb up at 11-3-4, and 70 lb up at 13-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-70, 6-8=-70, 12-15=-20, 3-5=-70, 5-6=-70

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 11=54(F) 10=8(F) 9=54(F) 18=74(F) 19=74(F) 20=8(F) 21=8(F) 22=8(F) 23=8(F)

Job	Truss	Truss Type	Qty	Ply	
413220	08A	Half Hip Girder	1	2	Job Reference (optional)

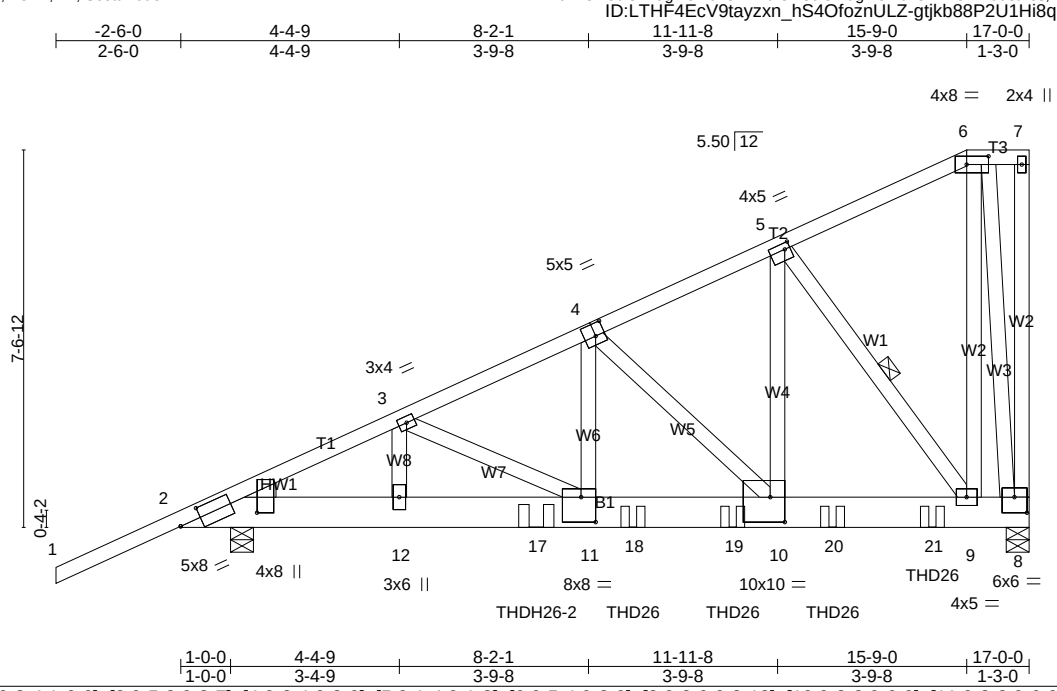

Plate Offsets (X,Y)-- [2:0-3-4,1-6-6], [2:0-5-2,0-2-7], [4:0-2-4,0-3-0], [5:0-1-4,0-1-8], [6:0-5-4,0-2-0], [8:0-3-0,0-3-12], [10:0-3-8,0-6-0], [11:0-3-8,0-6-0]

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)	-0.08	11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.18	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.08	11	>999	240	Weight: 303 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-9

REACTIONS. (lb/size) 8=5718/0-5-8 (min. 0-2-14), 2=4686/0-5-8 (min. 0-2-6)
Max Horz 2=333(LC 5)
Max Uplift8=-1286(LC 5), 2=-1022(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7008/1290, 3-4=-7873/1591, 4-5=-4783/1051, 5-6=-666/219
BOT CHORD 2-12=-1371/6280, 12-17=-1371/6280, 11-17=-1371/6280, 11-18=-1497/7043, 18-19=-1497/7043, 10-19=-1497/7043, 10-20=-972/4300, 20-21=-972/4300, 9-21=-972/4300, 8-9=-224/631
WEBS 3-12=-847/297, 3-11=-266/949, 4-11=-678/3713, 4-10=-3858/761, 5-10=-1356/6547, 5-9=-6340/1390, 6-9=-968/4034, 6-8=-3934/896

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: 2x8 - 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) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 1286 lb uplift at joint 8 and 1022 lb uplift at joint 2.
8) Use USP THDH26-2 (With 22-16d nails into Girder & 4-16d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) 02F (2 ply 2x6 SP) to front face of bottom chord.
9) Use USP THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 15-0-12 to connect truss(es) 02E (1 ply 2x4 SP), 02D (1 ply 2x4 SP), 02C (1 ply 2x4 SP), 02B (1 ply 2x4 SP) to front 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-6=-70, 6-7=-70, 2-8=-20
   Concentrated Loads (lb)
      Vert: 17=-2789(F) 18=-1627(F) 19=-1627(F) 20=-1627(F) 21=-1041(F)

Job	Truss	Truss Type	Qty	Ply	
413220	08B	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:31 2019 Page 1
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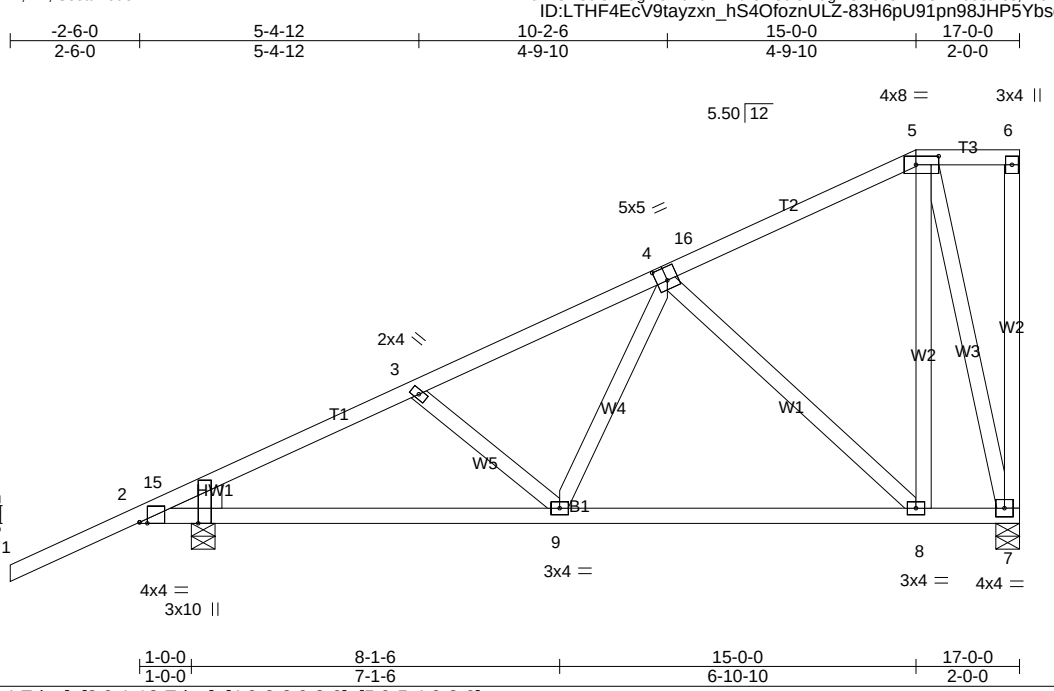

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-1-13,Edge], [4:0-2-8,0-3-0], [5:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.05	8-9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.13	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	-0.06	9-14	>999	240	Weight: 111 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-1 oc bracing.

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

REACTIONS. (lb/size) 7=686/0-5-8 (min. 0-1-8), 2=1006/0-5-8 (min. 0-1-8)
Max Horz 2=322(LC 11)
Max Uplift7=-137(LC 9), 2=-260(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-926/814, 2-3=-949/113, 3-4=-765/114, 4-16=-310/144, 5-16=-266/159
BOT CHORD 2-9=-415/790, 8-9=-329/587, 7-8=-160/257
WEBS 4-9=0/330, 4-8=-557/233, 5-8=-110/536, 5-7=-695/280

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 15-0-0, Exterior(2) 15-0-0 to 16-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 137 lb uplift at joint 7 and 260 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	08C	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:33 2019 Page 1
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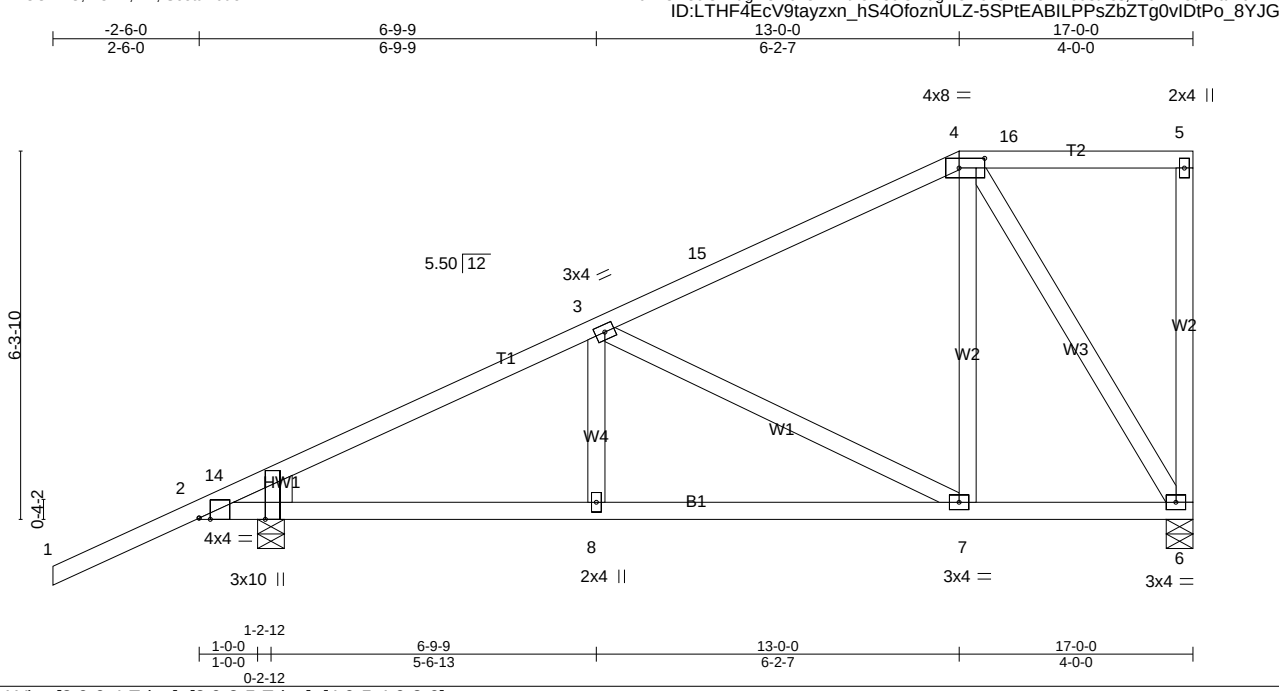

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-2-5,Edge], [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.05	7-8	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.14	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.06	7-8	>999	240	Weight: 100 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-12 oc bracing.

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

REACTIONS. (lb/size) 6=686/0-5-8 (min. 0-1-8), 2=1006/0-5-8 (min. 0-1-8)
Max Horz 2=282(LC 11)
Max Uplift6=-157(LC 9), 2=-263(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-926/814, 2-3=-951/113, 3-15=-484/149, 4-15=-391/164
BOT CHORD 2-8=-408/782, 7-8=-408/782, 6-7=-229/396
WEBS 3-7=-477/201, 4-7=-13/422, 4-6=-666/282

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 13-0-0, Exterior(2) 13-0-0 to 16-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 157 lb uplift at joint 6 and 263 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	08D	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:34 2019 Page 1
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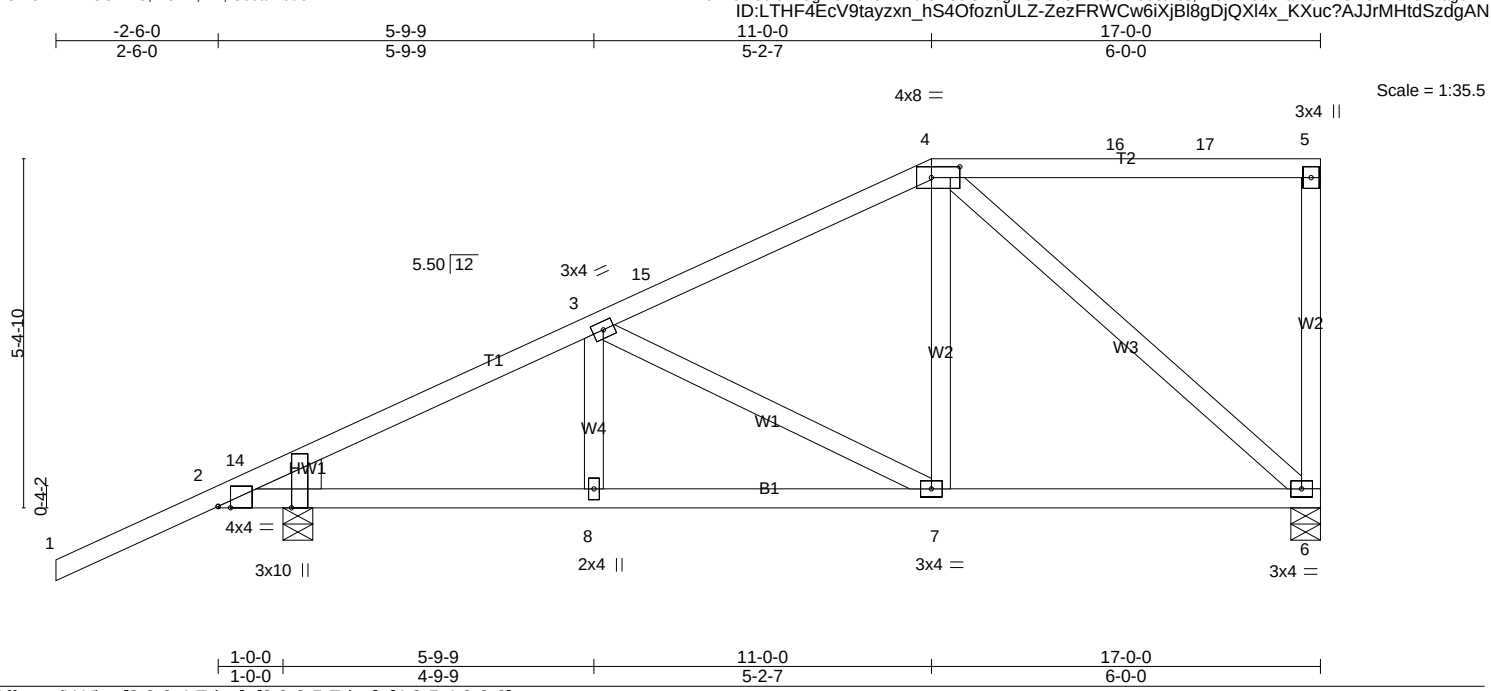

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [2:0-2-5,Edge], [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.05	7-8	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.11	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.05	7-8	>999	240	Weight: 96 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-0 oc bracing.

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

REACTIONS. (lb/size) 6=686/0-5-8 (min. 0-1-8), 2=1006/0-5-8 (min. 0-1-8)
Max Horz 2=242(LC 11)
Max Uplift6=-173(LC 9), 2=-265(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-926/814, 2-3=-933/145, 3-15=-645/165, 4-15=-575/179
BOT CHORD 2-8=-409/769, 7-8=-409/769, 6-7=-278/530
WEBS 3-7=-302/147, 4-7=0/376, 4-6=-676/275

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 11-0-0, Exterior(2) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 16-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 173 lb uplift at joint 6 and 265 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	08E	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:35 2019 Page 1

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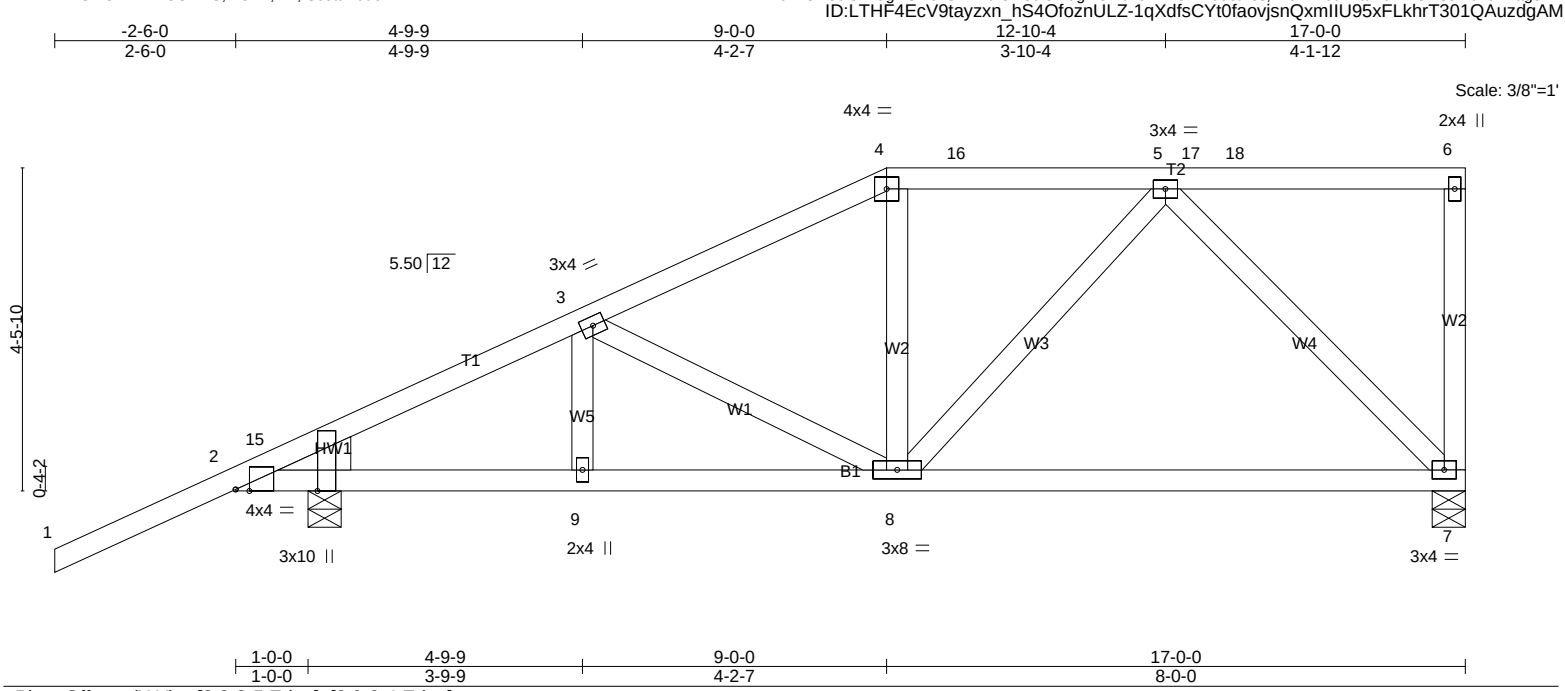

Plate Offsets (X,Y)-- [2:0-2-5,Edge], [2:0-0-4,Edge]

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	0.54	Vert(LL)	-0.10	7-8	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.20	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.04	8-9	>999	240	Weight: 96 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-11 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=686/0-5-8 (min. 0-1-8), 2=1006/0-5-8 (min. 0-1-8)
Max Horz 2=202(LC 11)
Max Uplift7=-186(LC 9), 2=-267(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-925/813, 2-3=-885/189, 3-4=-774/177, 4-16=-664/193, 5-16=-664/193
BOT CHORD 2-9=-398/729, 8-9=-398/729, 7-8=-251/493
WEBS 5-8=-69/300, 5-7=-689/293

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 9-0-0, Exterior(2) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 16-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 186 lb uplift at joint 7 and 267 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	08F	Half Hip Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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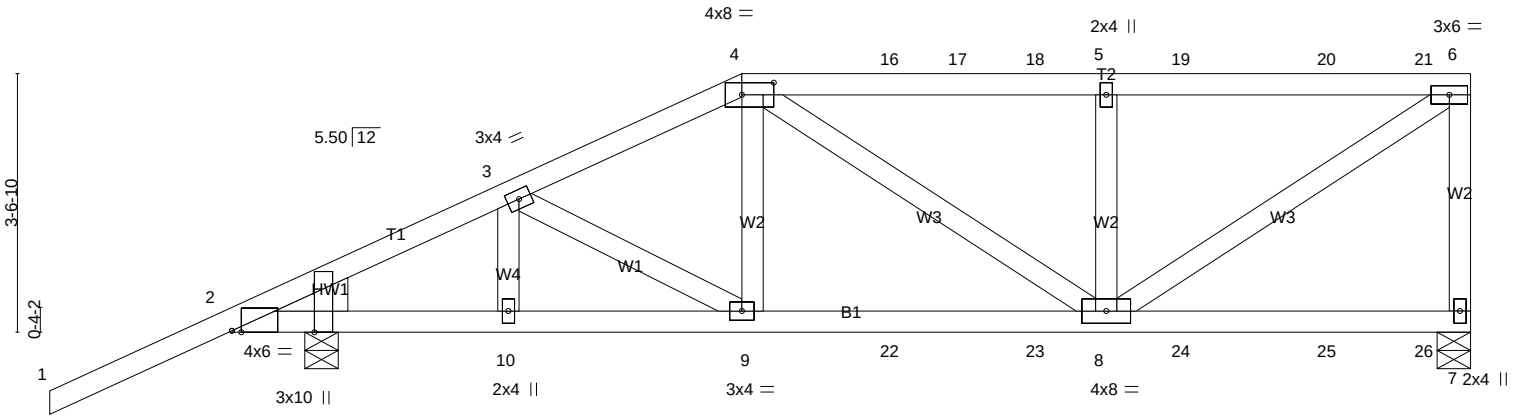

1-0-01-2-12 1-0-00-2-12 | 3-9-9 2-6-13 | 7-0-0 3-2-7 | 12-0-0 5-0-0 | 17-0-0 5-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	-0.04	9-10	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.09	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.04	9-10	>999	240	Weight: 95 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
T2: 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins, except end verticals.
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) 7=1487/0-5-8 (min. 0-1-8), 2=1635/0-5-8 (min. 0-1-8)
Max Horz 2=162(LC 7)
Max Uplift7=-319(LC 5), 2=-436(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1091/345, 3-4=-1570/368, 4-16=-1494/335, 16-17=-1494/335, 17-18=-1494/335, 5-18=-1494/335, 5-19=-1494/335, 19-20=-1494/335, 20-21=-1494/335, 6-21=-1494/335, 6-7=-1332/380
BOT CHORD 2-10=-362/849, 9-10=-362/849, 9-22=-408/1421, 22-23=-408/1421, 8-23=-408/1421
WEBS 3-10=-379/151, 3-9=-240/649, 5-8=-766/355, 6-8=-403/1738

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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 319 lb uplift at joint 7 and 436 lb uplift at joint 2.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 252 lb down and 223 lb up at 7-0-0, 129 lb down and 114 lb up at 9-0-12, 129 lb down and 114 lb up at 11-0-12, 129 lb down and 114 lb up at 13-0-12, 129 lb down and 114 lb up at 15-0-12, and 148 lb down and 107 lb up at 16-4-12, and 209 lb down and 55 lb up at -2-6-0 on top chord, and 130 lb down and 76 lb up at 7-0-0, 88 lb down at 9-0-12, 88 lb down at 11-0-12, 88 lb down at 13-0-12, and 88 lb down at 15-0-12, and 99 lb down at 16-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-70, 4-6=-70, 7-11=-20

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 1=-186(B) 4=-205(B) 9=-62(B) 16=-129(B) 18=-129(B) 19=-129(B) 20=-129(B) 21=-148(B) 22=-62(B) 23=-62(B) 24=-62(B) 25=-62(B) 26=-67(B)

Job	Truss	Truss Type	Qty	Ply	
413220	09A	Common	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:31:38 2019 Page 1
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2-6-0	4-3-4	3-11-12	3-11-12	4-3-4	2-6-0

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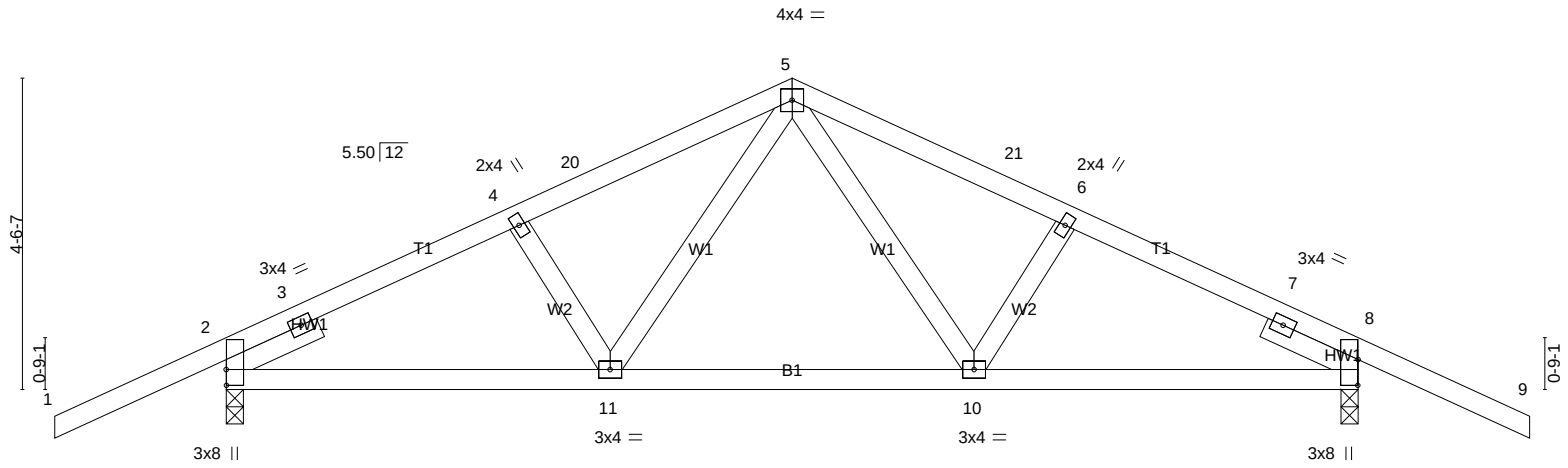

5-7-3	10-10-13	16-6-0
5-7-3	5-3-11	5-7-3

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

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	0.50	Vert(LL)	-0.05	10-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.50	Vert(CT)	-0.12	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.06	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.05	10-11	>999	240	Weight: 86 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0, Right 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-3 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=918/0-3-0 (min. 0-1-8), 8=917/0-3-0 (min. 0-1-8)
Max Horz 2=-90(LC 10)
Max Uplift2=-242(LC 12), 8=-242(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-464/184, 3-4=-1046/249, 4-20=-928/239, 5-20=-888/249, 5-21=-888/249, 6-21=-928/238, 6-7=-1046/249, 7-8=-464/184
BOT CHORD 2-11=-95/886, 10-11=-39/676, 8-10=-138/886
WEBS 5-10=-56/283, 5-11=-56/283

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-4-10, Interior(1) 0-4-10 to 8-3-0, Exterior(2) 8-3-0 to 11-3-0, Interior(1) 11-3-0 to 19-0-0 zone; cantilever left and right exposed ; end vertical 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 242 lb uplift at joint 2 and 242 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	09B	Hip Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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2-6-0	3-0-1	5-2-15	5-2-15	3-0-1	2-6-0

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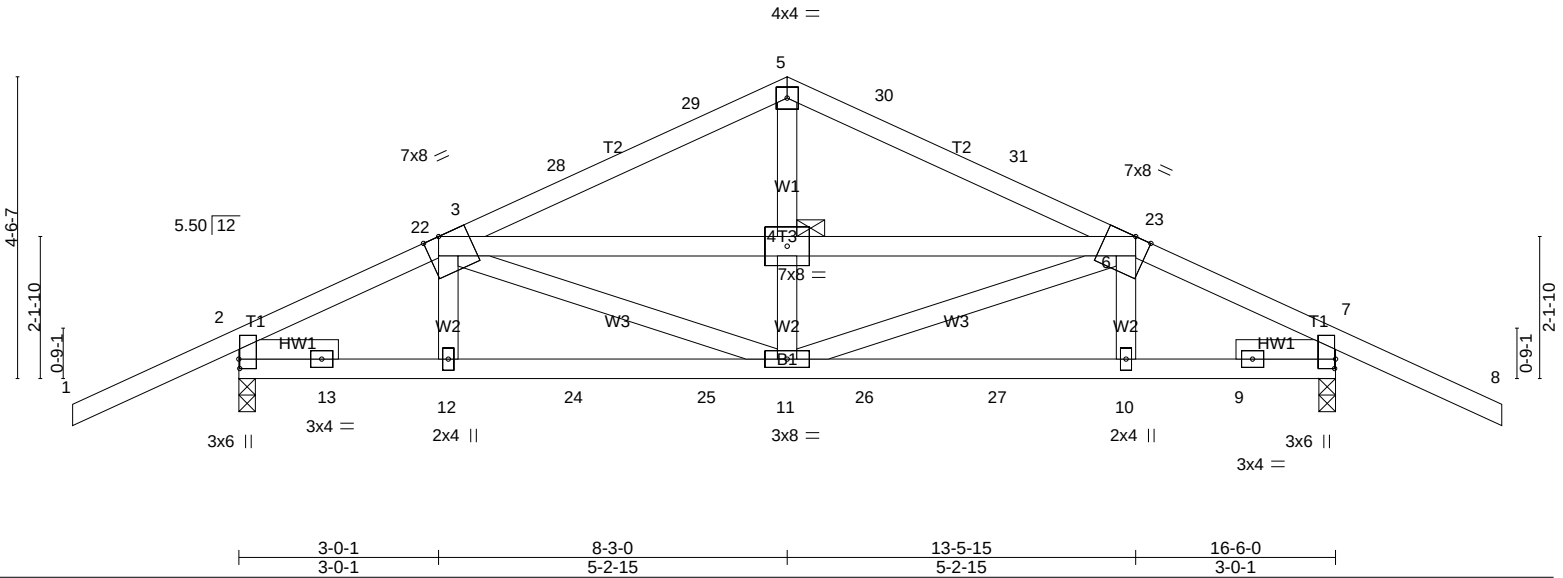

3-0-1	8-3-0	13-5-15	16-6-0
3-0-1	5-2-15	5-2-15	3-0-1

Plate Offsets (X,Y)-- [2:0-1-11,0-0-3], [3:0-3-0,0-0-0], [6:0-3-0,Edge], [7:0-1-11,0-0-3]

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	0.56	Vert(LL)	-0.03	10-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.52	Vert(CT)	-0.08	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.05	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.03	10-11	>999	240	Weight: 105 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0, Right 2x4 SP No.2 1-6-0

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.
JOINTS 1 Brace at Jt(s): 4

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

REACTIONS. (lb/size) 2=777/0-3-0 (min. 0-1-8), 7=777/0-3-0 (min. 0-1-8)
Max Horz 2=-90(LC 6)
Max Uplift2=-329(LC 8), 7=-329(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-797/256, 3-22=-758/244, 3-4=-270/115, 4-6=-270/115, 6-23=-758/244, 7-23=-797/256, 3-28=-613/166, 28-29=-542/166, 5-29=-499/174, 5-30=-499/174, 30-31=-542/166, 6-31=-613/166
BOT CHORD 12-13=-141/687, 12-24=-152/700, 24-25=-152/700, 11-25=-152/700, 11-26=-152/700, 26-27=-152/700, 10-27=-152/700, 9-10=-141/687

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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 329 lb uplift at joint 2 and 329 lb uplift at joint 7.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 166 lb up at 3-0-0, 24 lb down and 34 lb up at 3-4-4, 24 lb down and 34 lb up at 5-0-12, 24 lb down and 34 lb up at 7-0-12, 24 lb down and 29 lb up at 8-3-0, 24 lb down and 34 lb up at 9-5-4, 24 lb down and 34 lb up at 11-5-4, and 24 lb down and 34 lb up at 13-1-12, and 166 lb up at 13-6-0 on top chord, and 52 lb up at 3-0-0, 4 lb down and 6 lb up at 5-0-12, 4 lb down and 6 lb up at 7-0-12, 4 lb down and 6 lb up at 8-3-0, 4 lb down and 6 lb up at 9-5-4, and 4 lb down and 6 lb up at 11-5-4, and 52 lb up at 13-5-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-70, 6-8=-70, 14-18=-20, 3-5=-70, 5-6=-70

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 12=41(F) 11=6(F) 10=41(F) 22=85(F) 23=85(F) 24=6(F) 25=6(F) 26=6(F) 27=6(F)

Job	Truss	Truss Type	Qty	Ply	
413220	10A	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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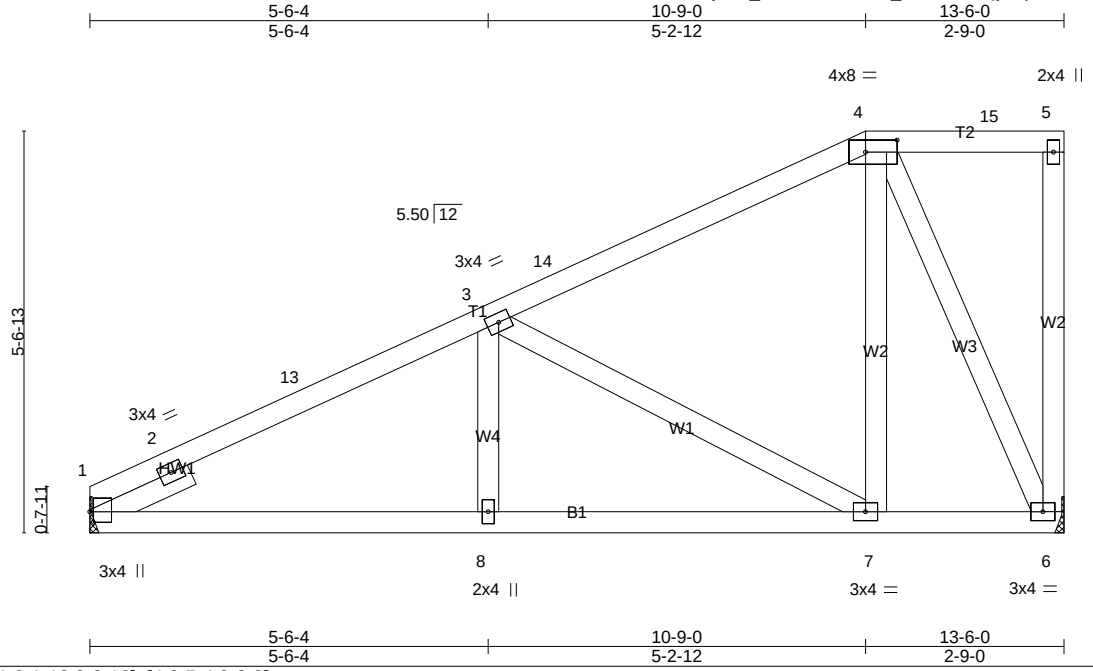

Plate Offsets (X,Y)-- [1:0-1-12,0-0-10], [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.02	7-8	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.05	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.02	8-11	>999	240	Weight: 79 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-5 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=601/Mechanical, 6=601/Mechanical
Max Horz 1=225(LC 11)
Max Uplift1=-96(LC 12), 6=-128(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-413/48, 2-13=-833/235, 3-13=-770/245, 3-14=-359/140, 4-14=-294/156
BOT CHORD 1-8=-407/757, 7-8=-407/757, 6-7=-195/304
WEBS 3-7=-576/242, 4-7=-63/388, 4-6=-579/281

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-9-0, Exterior(2) 10-9-0 to 13-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 96 lb uplift at joint 1 and 128 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	10B	Half Hip	1	1	Job Reference (optional)

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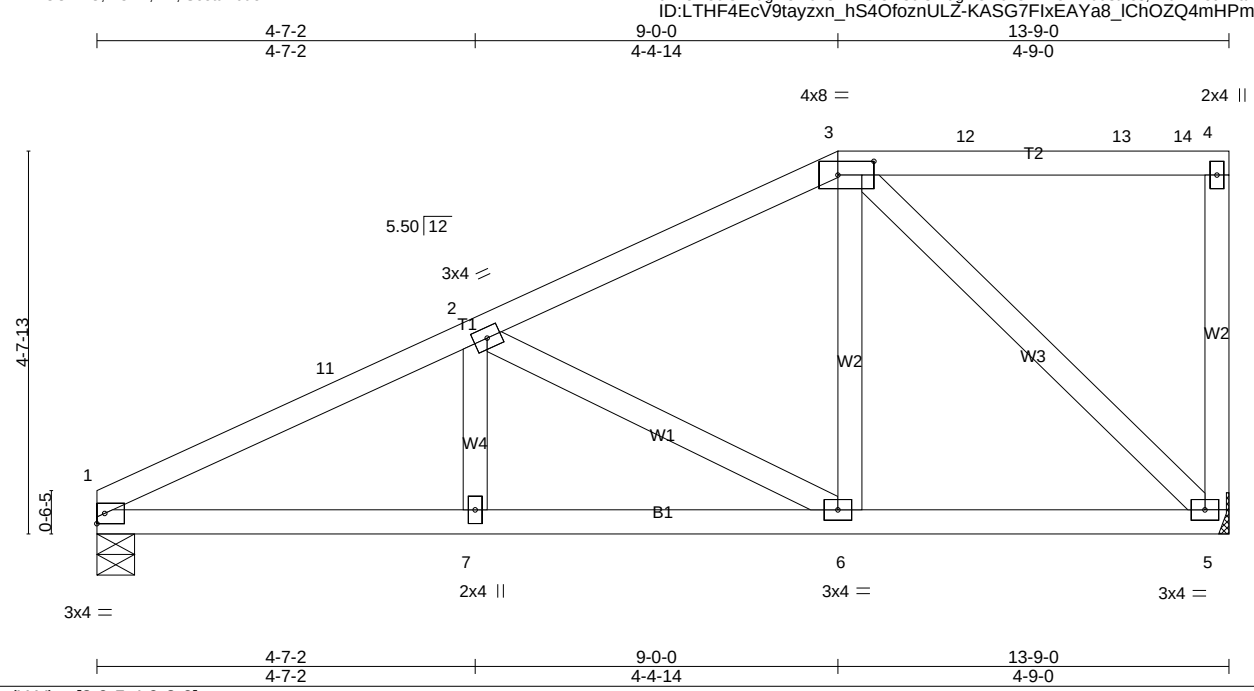

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.02	7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.04	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.02	6-7	>999	240	Weight: 73 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-10 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=612/0-5-8 (min. 0-1-8), 5=612/Mechanical
Max Horz 1=187(LC 11)
Max Uplift1=-100(LC 12), 5=-146(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1004/272, 2-11=-923/280, 2-3=-558/205
BOT CHORD 1-7=-450/855, 6-7=-450/855, 5-6=-263/456
WEBS 2-6=-459/211, 3-6=-30/359, 3-5=-607/275

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 13-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 1 and 146 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	10C	Half Hip Girder	1	1	Job Reference (optional)

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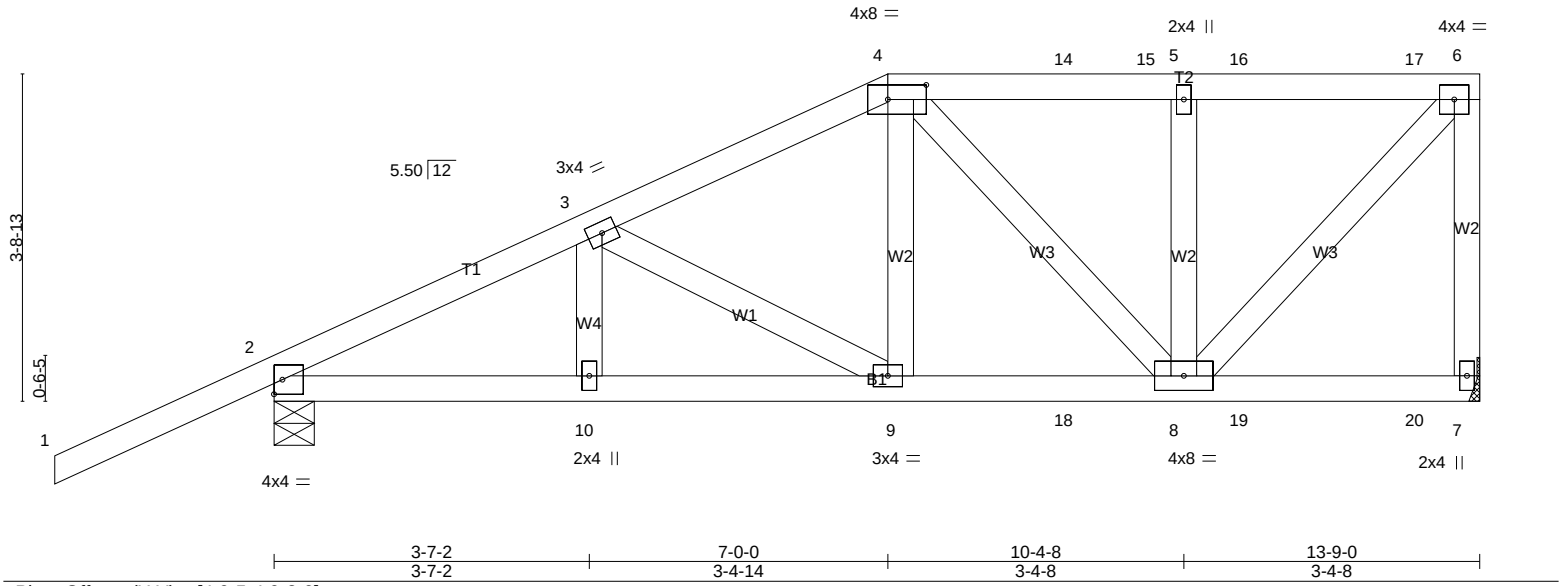
-2-6-0	3-7-2	7-0-0	10-4-8	13-9-0
2-6-0	3-7-2	3-4-14	3-4-8	3-4-8

Scale = 1:26.3



3-7-2	7-0-0	10-4-8	13-9-0
3-7-2	3-4-14	3-4-8	3-4-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.04	9-10	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.09	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.04	9-10	>999	240	Weight: 81 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-0 oc purlins, except end verticals.
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) 7=1332/Mechanical, 2=1142/0-5-8 (min. 0-1-8)
Max Horz 2=168(LC 7)
Max Uplift7=-283(LC 5), 2=-306(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1608/252, 3-4=-1448/301, 4-14=-964/229, 14-15=-964/229, 5-15=-964/229, 5-16=-964/229, 16-17=-964/229, 6-17=-964/229, 6-7=-1237/319
BOT CHORD 2-10=-313/1389, 9-10=-313/1389, 9-18=-310/1304, 8-18=-310/1304
WEBS 4-9=0/535, 4-8=-486/100, 5-8=-510/247, 6-8=-299/1377

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 283 lb uplift at joint 7 and 306 lb uplift at joint 2.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 280 lb down and 242 lb up at 7-0-0, 133 lb down and 119 lb up at 9-0-12, and 133 lb down and 119 lb up at 11-0-12, and 149 lb down and 114 lb up at 13-0-12 on top chord, and 294 lb down and 32 lb up at 7-0-0, 89 lb down at 9-0-12, and 89 lb down at 11-0-12, and 98 lb down at 13-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-70, 4-6=-70, 7-11=-20
Concentrated Loads (lb)
Vert: 9=-249(F) 4=-232(F) 14=-133(F) 16=-133(F) 17=-149(F) 18=-58(F) 19=-58(F) 20=-62(F)

Job	Truss	Truss Type	Qty	Ply	
413220	11A	Jack-Closed Girder	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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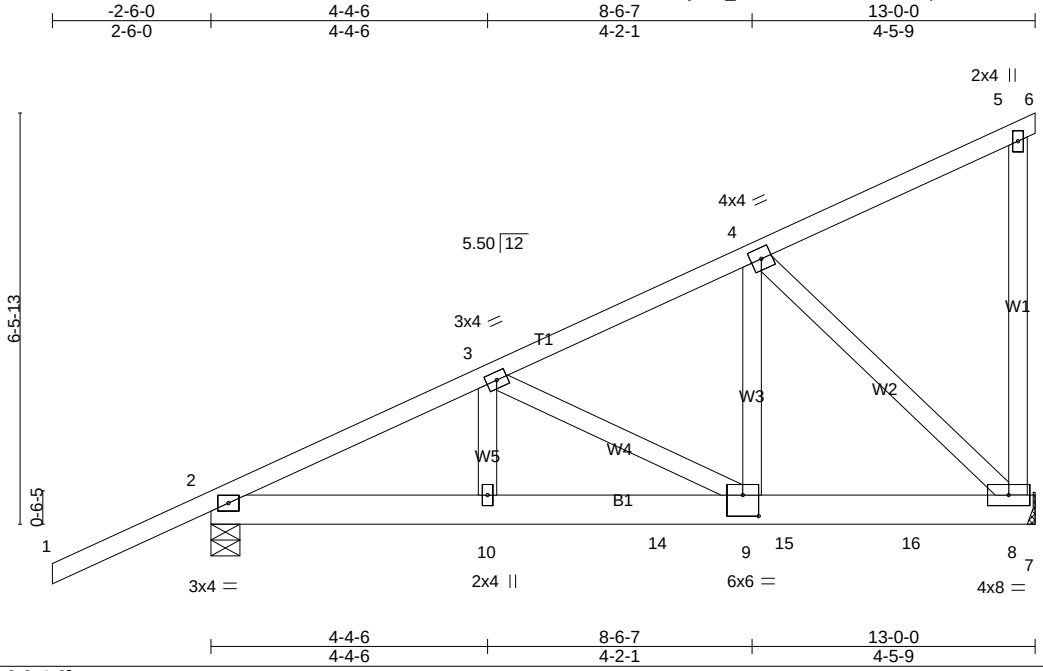

Plate Offsets (X,Y)-- [9:0-3-0,0-4-0]

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	0.28	Vert(LL)	-0.03	9-10	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.07	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.03	9-10	>999	240	Weight: 174 lb	FT = 10%

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

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) 2=1595/0-5-8 (min. 0-1-8), 8=2224/Mechanical
Max Horz 2=281(LC 7)
Max Uplift2=-409(LC 8), 8=-498(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2755/518, 3-4=-2108/472
BOT CHORD 2-10=-545/2440, 10-14=-545/2440, 9-14=-545/2440, 9-15=-448/1870, 15-16=-448/1870, 8-16=-448/1870
WEBS 3-10=-20/392, 3-9=-641/114, 4-9=-484/2305, 4-8=-2577/618

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) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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 409 lb uplift at joint 2 and 498 lb uplift at joint 8.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1312 lb down and 303 lb up at 7-0-12, and 592 lb down and 166 lb up at 9-0-12, and 581 lb down and 148 lb up at 11-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-70, 5-6=-30, 7-11=-20
Concentrated Loads (lb)
Vert: 14=-1312(B) 15=-592(B) 16=-581(B)

Job	Truss	Truss Type	Qty	Ply	
413220	11B	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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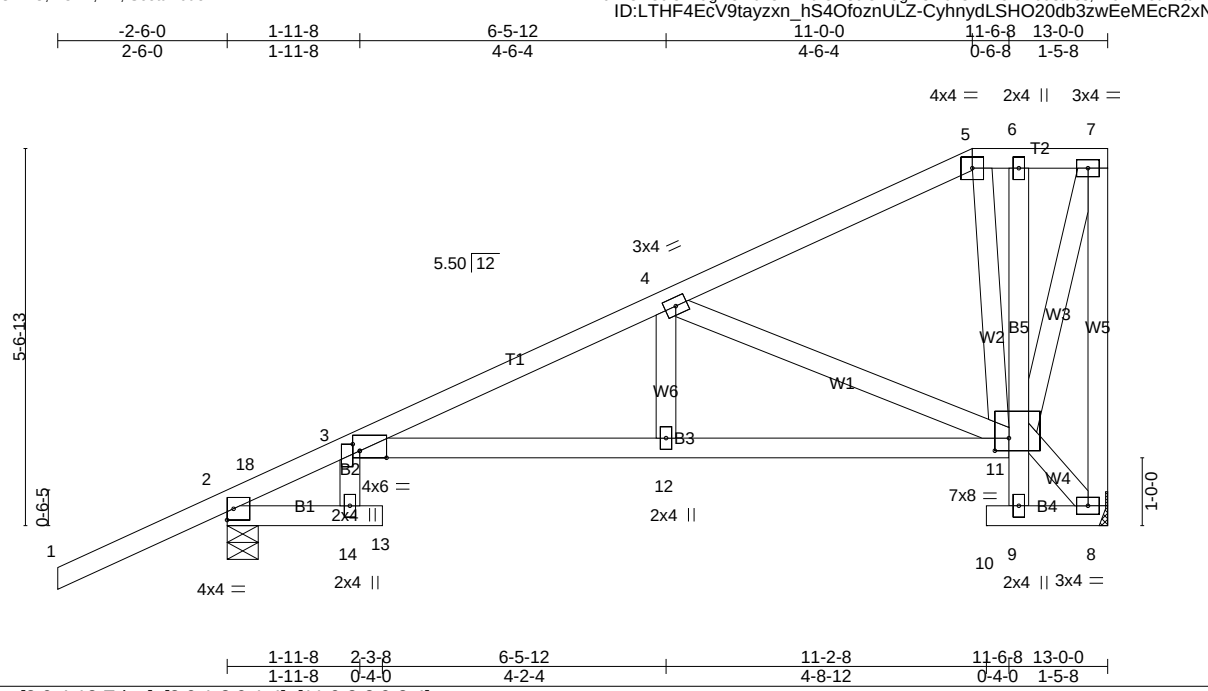

Plate Offsets (X,Y)-- [3:0-4-12,Edge], [3:0-1-3,0-1-4], [11:0-2-8,0-2-4]

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	0.57	Vert(LL)	-0.14	13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.36	13	>430	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.22	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.19	13	>809	240	Weight: 86 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
T2: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP M 31
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-14 oc bracing. Except:
10-0-0 oc bracing: 9-11

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

REACTIONS. (lb/size) 8=571/Mechanical, 2=780/0-5-8 (min. 0-1-8)
Max Horz 2=248(LC 11)
Max Uplift8=-106(LC 9), 2=-213(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-398/12, 3-18=-362/17, 3-4=-1083/238, 4-5=-261/104, 7-8=-534/281
BOT CHORD 3-12=-534/978, 11-12=-534/978
WEBS 4-12=0/331, 4-11=-890/388, 7-11=-294/508

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 11-0-0, Exterior(2) 11-0-0 to 12-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 106 lb uplift at joint 8 and 213 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	11C	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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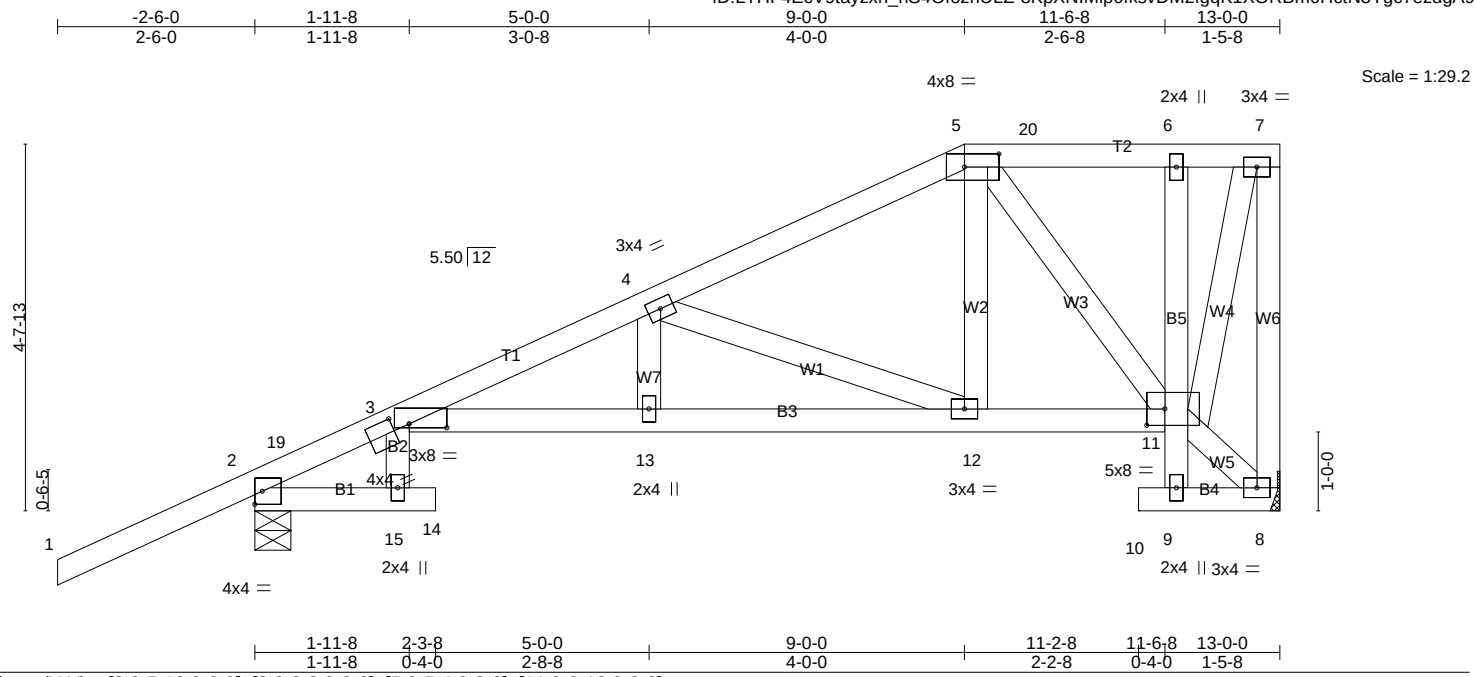

Plate Offsets (X,Y)-- [3:0-5-12,0-0-9], [3:0-2-8,0-2-0], [5:0-5-4,0-2-0], [11:0-2-12,0-2-8]

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	0.57	Vert(LL)	-0.12	14	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.29	14	>535	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.18	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.16	14	>981	240	Weight: 84 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
T2: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP M 31
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-15 oc bracing. Except:
10-0-0 oc bracing: 9-11

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

REACTIONS. (lb/size) 8=571/Mechanical, 2=780/0-5-8 (min. 0-1-8)
Max Horz 2=208(LC 11)
Max Uplift8=-125(LC 9), 2=-216(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-373/13, 3-19=-343/18, 3-4=-1353/432, 4-5=-563/147, 7-8=-537/273
BOT CHORD 3-13=-671/1243, 12-13=-671/1245, 11-12=-292/485
WEBS 5-12=-82/367, 5-11=-434/212, 7-11=-289/534, 4-13=-24/289, 4-12=-850/408

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 9-0-0, Exterior(2) 9-0-0 to 12-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 125 lb uplift at joint 8 and 216 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	11D	Half Hip	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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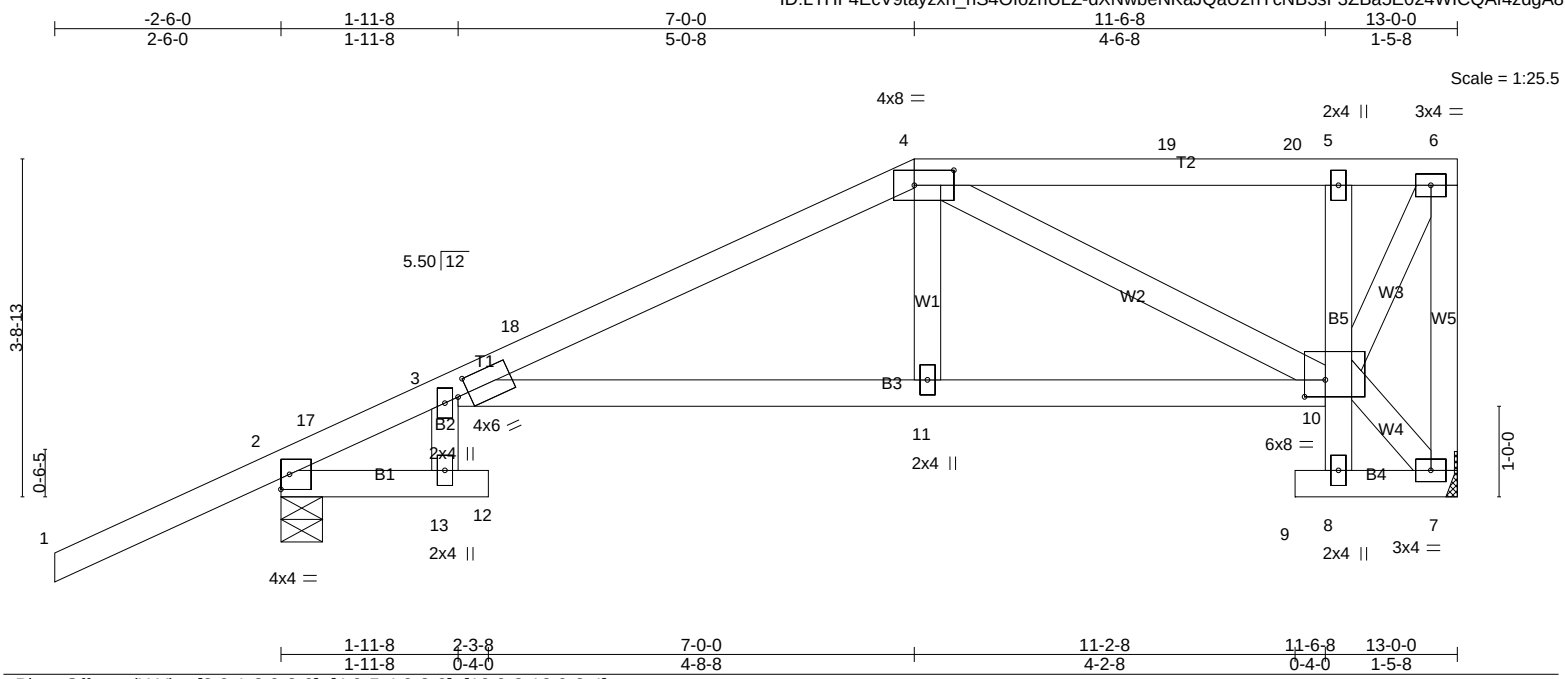

Plate Offsets (X,Y)-- [3:0-1-8,0-2-0], [4:0-5-4,0-2-0], [10:0-2-12,0-2-4]

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	0.57	Vert(LL)	-0.17	3-11	>922	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.41	3-11	>373	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.24	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.23	12	>666	240	Weight: 71 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
T2: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP M 31
WEBS 2x4 SP No.2

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:
10-0-0 oc bracing: 8-10

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

REACTIONS. (lb/size) 7=571/Mechanical, 2=780/0-5-8 (min. 0-1-8)
Max Horz 2=168(LC 11)
Max Uplift7=-140(LC 9), 2=-218(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-352/17, 3-17=-324/21, 3-18=-952/291, 4-18=-923/306, 4-19=-284/139, 19-20=-284/139, 5-20=-284/139, 5-6=-259/126, 6-7=-519/228
BOT CHORD 3-11=-440/838, 10-11=-442/854, 5-10=-282/172
WEBS 4-11=-21/341, 4-10=-643/303, 6-10=-275/596

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 7-0-0, Exterior(2) 7-0-0 to 11-2-15, Interior(1) 11-2-15 to 12-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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 140 lb uplift at joint 7 and 218 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	11E	Roof Special Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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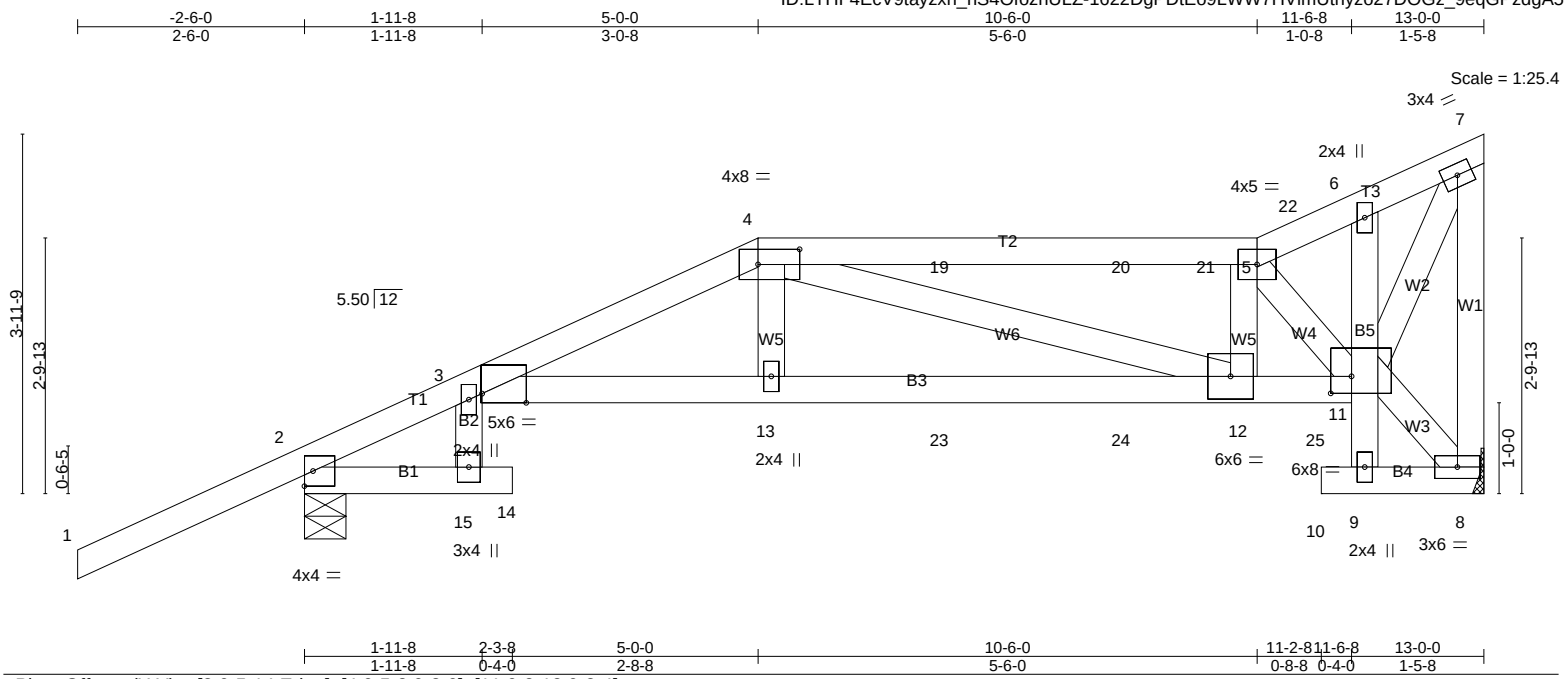

Plate Offsets (X,Y)-- [3:0-5-14,Edge], [4:0-5-8,0-2-0], [11:0-2-12,0-2-4]

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	0.98	Vert(LL)	-0.18	14	>849	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.43	14	>355	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.28	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.21	14	>719	240	Weight: 75 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T1: 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP M 31
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 9-11

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

REACTIONS. (lb/size) 8=920/Mechanical, 2=982/0-5-8 (min. 0-1-8)
Max Horz 2=175(LC 7)
Max Uplift8=-226(LC 5), 2=-262(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-478/40, 3-4=-2101/417, 4-19=-1369/310, 19-20=-1369/310, 20-21=-1369/310, 5-21=-1369/310, 5-22=-580/151, 6-22=-556/140, 6-7=-487/126, 7-8=-846/237
BOT CHORD 3-13=-506/1940, 13-23=-506/1984, 23-24=-506/1984, 12-24=-506/1984, 12-25=-374/1320, 11-25=-374/1320
WEBS 4-13=0/503, 4-12=-640/133, 5-12=-50/556, 5-11=-1384/350, 7-11=-286/1061

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 8 and 262 lb uplift at joint 2.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 118 lb up at 5-0-0, 81 lb down and 80 lb up at 7-0-12, and 25 lb down and 32 lb up at 9-0-12, and 46 lb down and 66 lb up at 11-0-12 on top chord, and 55 lb down at 5-0-0, 67 lb down and 22 lb up at 7-0-12, and 153 lb down and 54 lb up at 9-0-12, and 111 lb down and 48 lb up at 11-2-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-70, 3-4=-70, 4-5=-70, 5-7=-70, 15-16=-20, 14-15=-20, 3-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 4=-76(F) 13=-55(F) 19=-70(F) 22=-21(F) 23=-67(F) 24=-153(F) 25=-111(F)

Job	Truss	Truss Type	Qty	Ply	
413220	12A	Jack-Closed	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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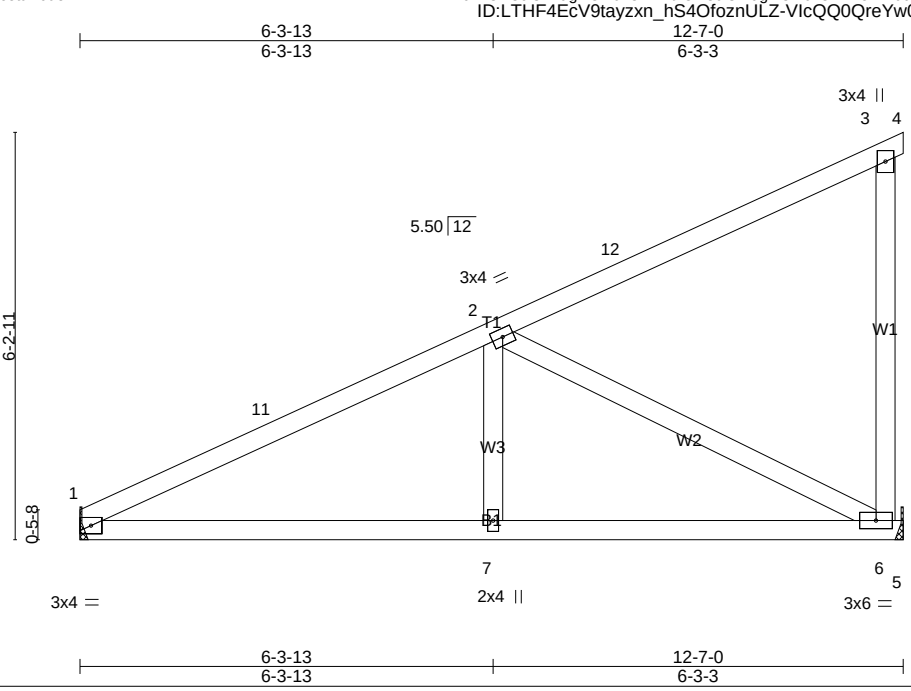

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.08	7-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.03	7-10	>999	240	Weight: 61 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-7 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=554/Mechanical, 6=568/Mechanical
Max Horz 1=252(LC 11)
Max Uplift1=-83(LC 12), 6=-110(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-819/207, 2-11=-741/220
BOT CHORD 1-7=-329/677, 6-7=-329/677
WEBS 2-7=0/281, 2-6=-738/270

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 12-7-0 zone; cantilever left and right exposed ; end vertical 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 83 lb uplift at joint 1 and 110 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	12B	Jack-Closed	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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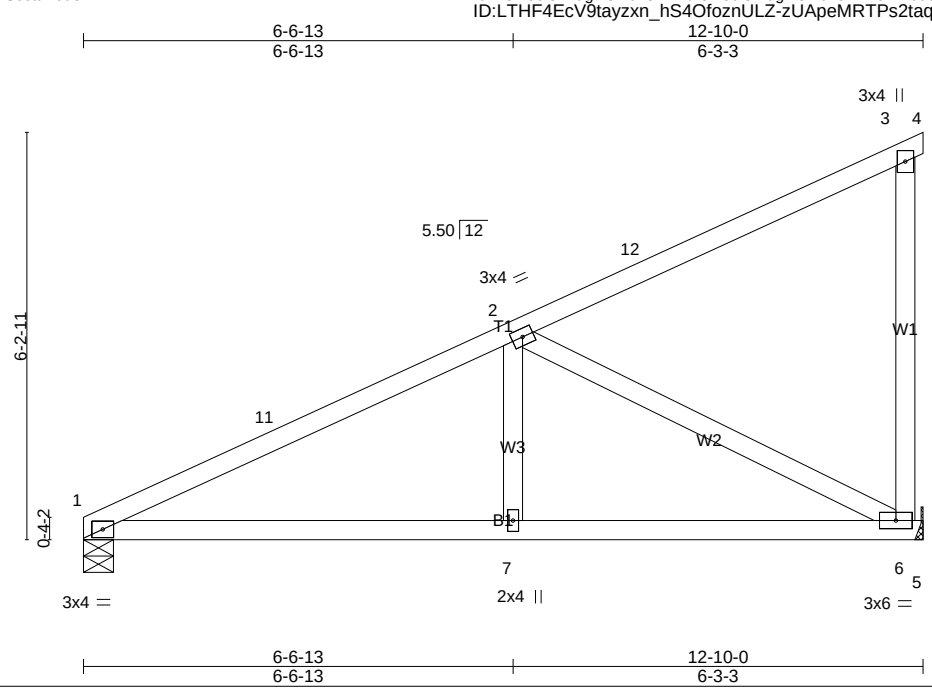

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.05	7-10	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.13	7-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.05	7-10	>999	240	Weight: 62 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-9 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=565/0-5-8 (min. 0-1-8), 6=579/Mechanical
Max Horz 1=254(LC 11)
Max Uplift1=-85(LC 12), 6=-112(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-834/212, 2-11=-781/225
BOT CHORD 1-7=-329/712, 6-7=-329/712
WEBS 2-7=0/295, 2-6=-779/270

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 12-10-0 zone; cantilever left and right exposed ; end vertical 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 85 lb uplift at joint 1 and 112 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	12C	Jack-Closed	8	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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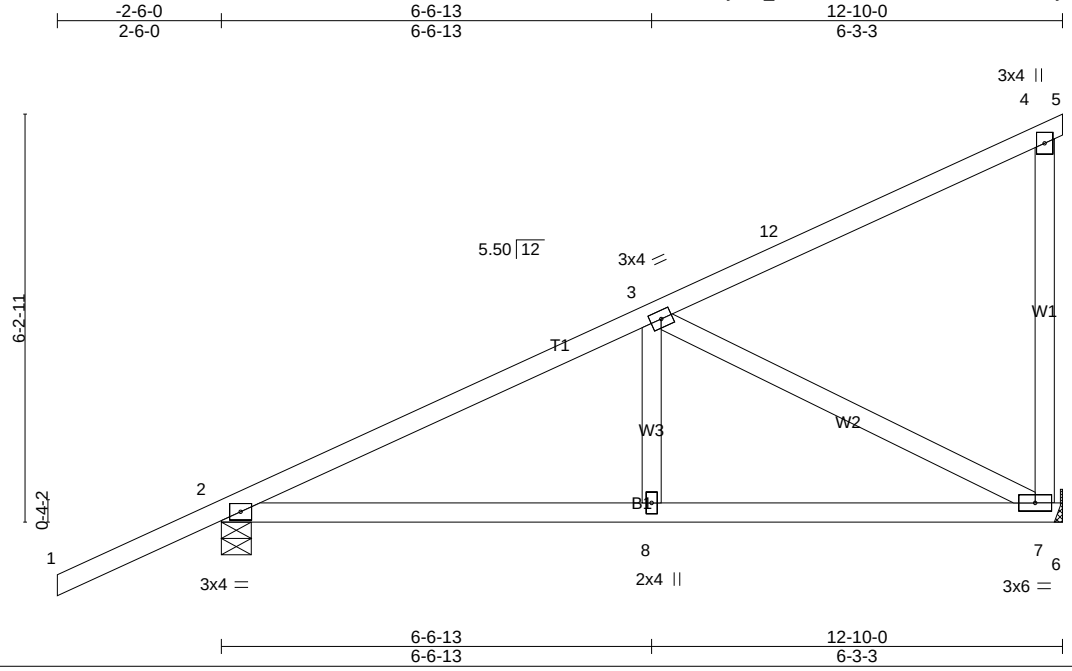

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.04	8-11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.09	8-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	-0.03	8-11	>999	240	Weight: 66 lb	FT = 10%

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

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.

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

REACTIONS. (lb/size) 2=758/0-5-8 (min. 0-1-8), 7=562/Mechanical
Max Horz 2=275(LC 11)
Max Uplift2=-214(LC 12), 7=-97(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-801/137
BOT CHORD 2-8=-306/658, 7-8=-306/658
WEBS 3-8=0/283, 3-7=-716/244

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-7-1, Interior(1) 0-7-1 to 12-10-0 zone; cantilever left and right exposed ; end vertical 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 214 lb uplift at joint 2 and 97 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	13A	ROOF SPECIAL	8	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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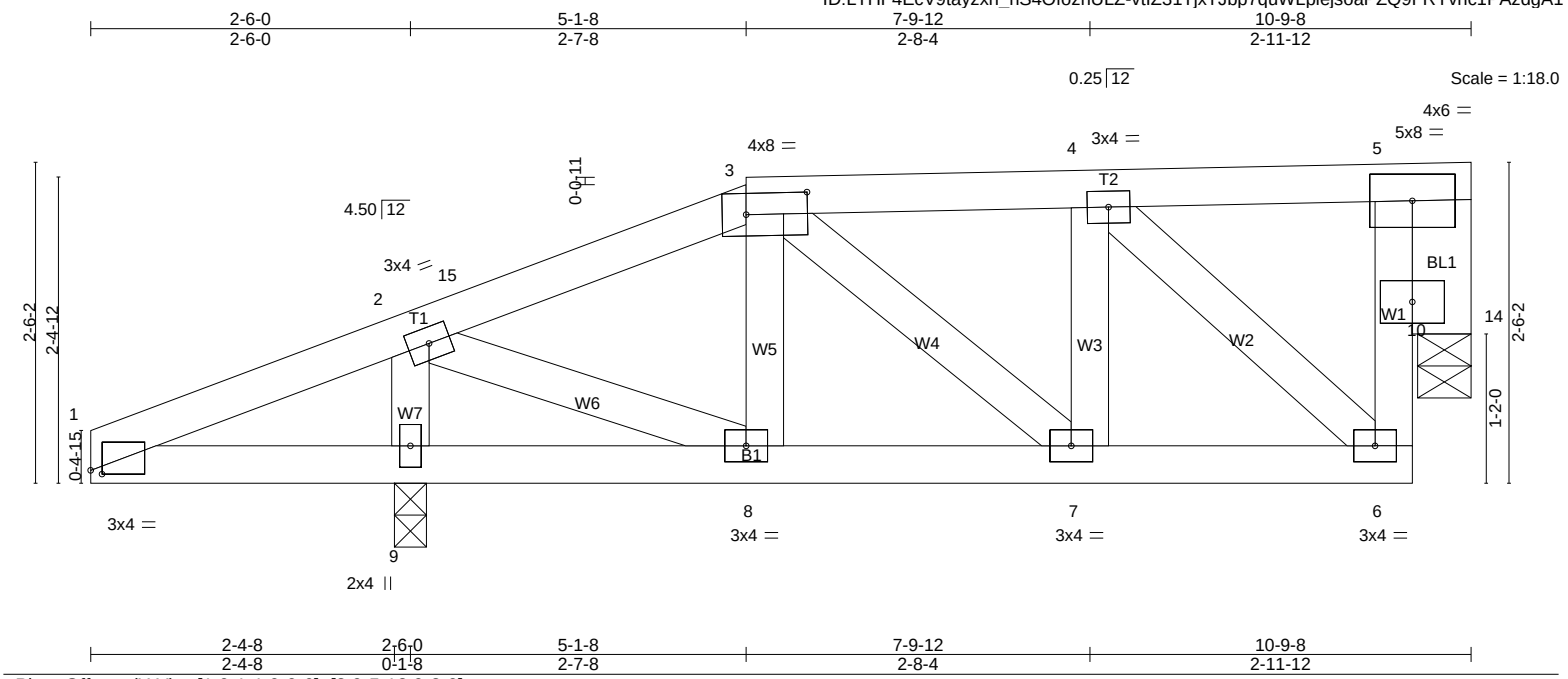

Plate Offsets (X,Y)-- [1:0-1-1,0-0-6], [3:0-5-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.24	Vert(CT)	-0.02	7-8	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.00	7	>999	240	Weight: 56 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 9=769/0-3-0 (min. 0-1-8), 14=553/0-5-0 (min. 0-1-8)
Max Horz 9=74(LC 9)
Max Uplift9=-170(LC 12), 14=-95(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-254/222, 2-15=-504/68, 3-15=-466/75, 3-4=-537/87, 6-10=-59/412, 5-10=-59/412
BOT CHORD 1-9=-174/257, 7-8=-100/421, 6-7=-109/531
WEBS 2-9=-672/299, 2-8=-172/650, 4-6=-553/100, 5-14=-591/102

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) Bearing at joint(s) 14 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 170 lb uplift at joint 9 and 95 lb uplift at joint 14.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-3=-70, 3-5=-150, 6-11=-20

Job	Truss	Truss Type	Qty	Ply	
413220	13B	ROOF SPECIAL GIRDER	2	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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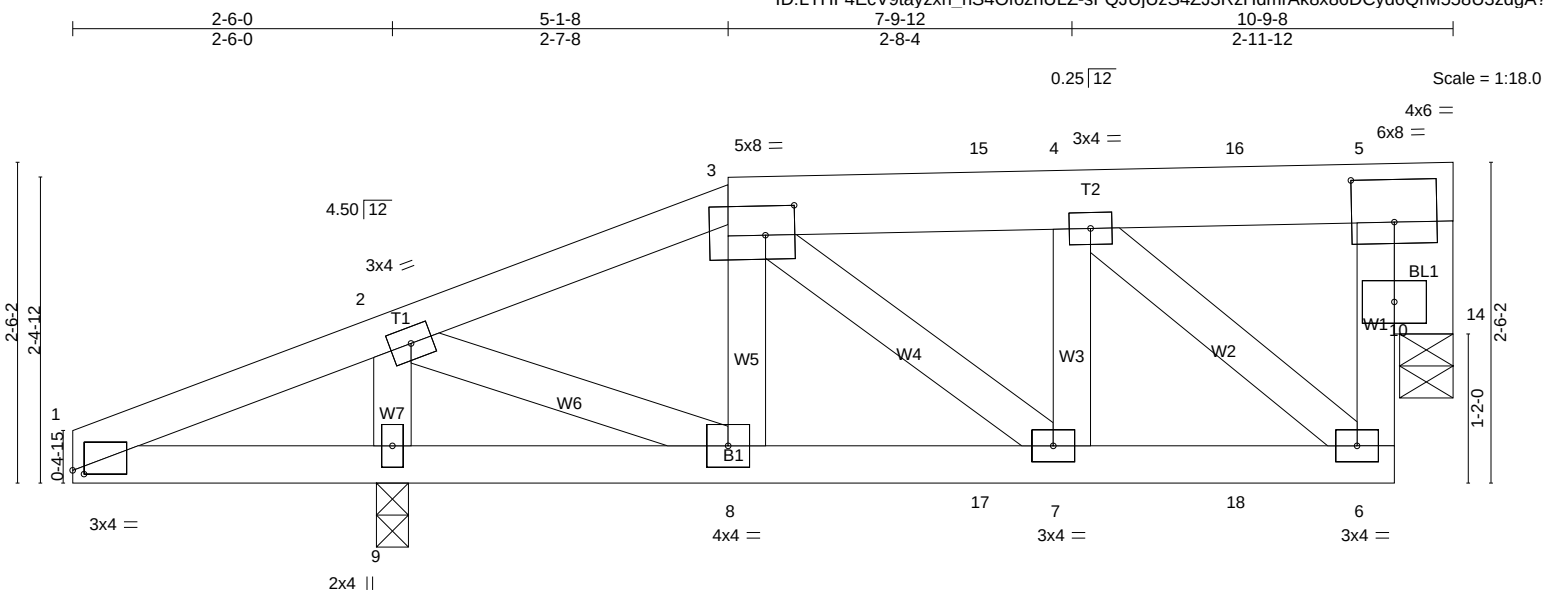

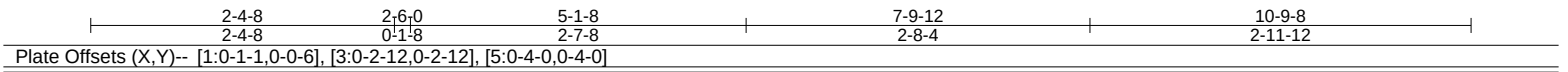

Plate Offsets (X,Y)-- [1:0-1-1,0-0-6], [3:0-2-12,0-2-12], [5:0-4-0,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.01	7-8	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.02	7-8	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	0.01	7-8	>999	240	Weight: 120 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* T2: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x6 SP No.2

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. (lb/size) 9=2110/0-3-0 (min. 0-1-8), 14=1092/0-5-0 (min. 0-1-8)
Max Horz 9=71(LC 5)
Max Uplift 9=-846(LC 4), 14=-534(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2367/1046, 3-15=-1305/624, 4-15=-1301/625, 6-10=-502/964, 5-10=-502/964
BOT CHORD 8-17=-998/2090, 7-17=-998/2090, 7-18=-646/1303, 6-18=-646/1303
WEBS 2-9=-1966/814, 2-8=-1027/2437, 3-8=-1244/146, 3-7=-1103/440, 4-7=-348/518, 4-6=-1451/697, 5-14=-1162/568

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: 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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 846 lb uplift at joint 9 and 534 lb uplift at joint 14.
9) Load case(s) 1, 2, 13, 14, 15, 16 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 108 lb up at 5-1-8, 37 lb up at 7-2-4, and 37 lb up at 9-2-4, and 2592 lb down and 679 lb up at 5-1-8 on top chord, and 393 lb up at 5-1-8, and 134 lb up at 7-2-4, and 134 lb up at 9-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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=-70, 3-5=-150, 6-11=-20
   Concentrated Loads (lb)
      Vert: 3=-2305 8=248(F) 17=88(F) 18=88(F)
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-5=-120, 6-11=-20
   Concentrated Loads (lb)
      Vert: 3=-2049 8=248(F) 17=88(F) 18=88(F)
13) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-3=-61, 3-5=-121, 9-11=-1, 6-9=-20
      Horz: 1-3=1, 4-5=1, 6-10=7
   Concentrated Loads (lb)
      Vert: 3=-2381(F=92) 8=393(F) 15=28(F) 16=28(F) 17=134(F) 18=134(F)
14) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-3=-51, 3-5=-121, 6-11=-20
      Horz: 1-3=-9, 4-5=1, 6-10=-24
   Concentrated Loads (lb)
      Vert: 3=-2094(F=82) 8=393(F) 15=28(F) 16=28(F) 17=134(F) 18=134(F)
15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-3=-61, 3-5=-121, 9-11=-1, 6-9=-20
      Horz: 1-3=1, 4-5=1, 6-10=11
   Concentrated Loads (lb)
      Vert: 3=-2501(F=92) 8=393(F) 15=28(F) 16=28(F) 17=134(F) 18=134(F)
16) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-3=-61, 3-5=-121, 6-11=-20
      Horz: 1-3=1, 4-5=1, 6-10=11
   Concentrated Loads (lb)
      Vert: 3=-2501(F=92) 8=393(F) 15=28(F) 16=28(F) 17=134(F) 18=134(F)

Job	Truss	Truss Type	Qty	Ply	
413220	14A	Monopitch Supported Gable	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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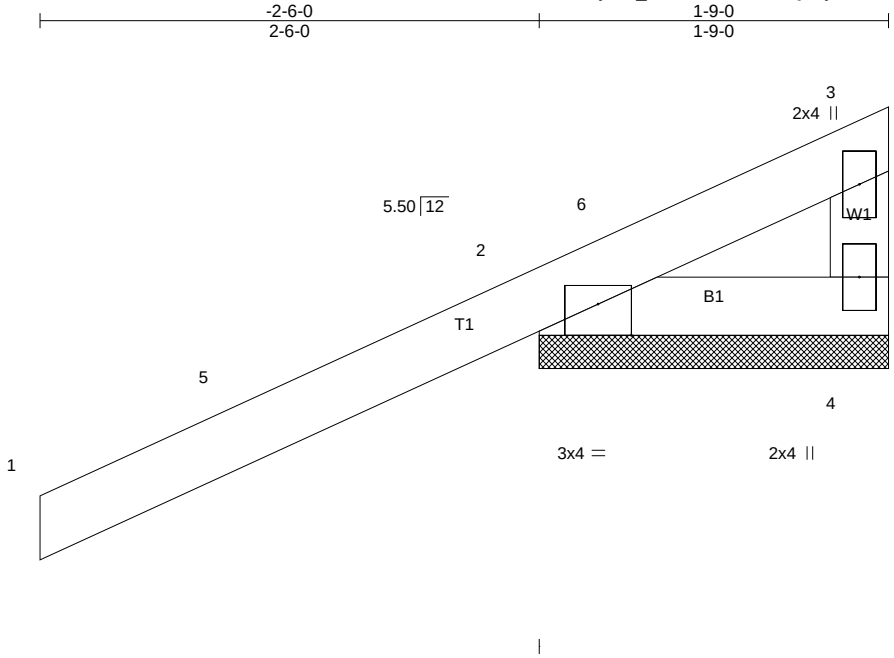

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.85	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.05	1	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: 11 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=-64/1-9-0 (min. 0-1-8), 2=384/1-9-0 (min. 0-1-8)
Max Horz 2=66(LC 12)
Max Uplift4=-64(LC 1), 2=-235(LC 12)
Max Grav4=96(LC 12), 2=384(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-259/80

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -2-6-0 to 0-6-0, Exterior(2) 0-6-0 to 1-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) Gable studs spaced at 2-0-0 oc.
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 64 lb uplift at joint 4 and 235 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	14B	Monopitch	16	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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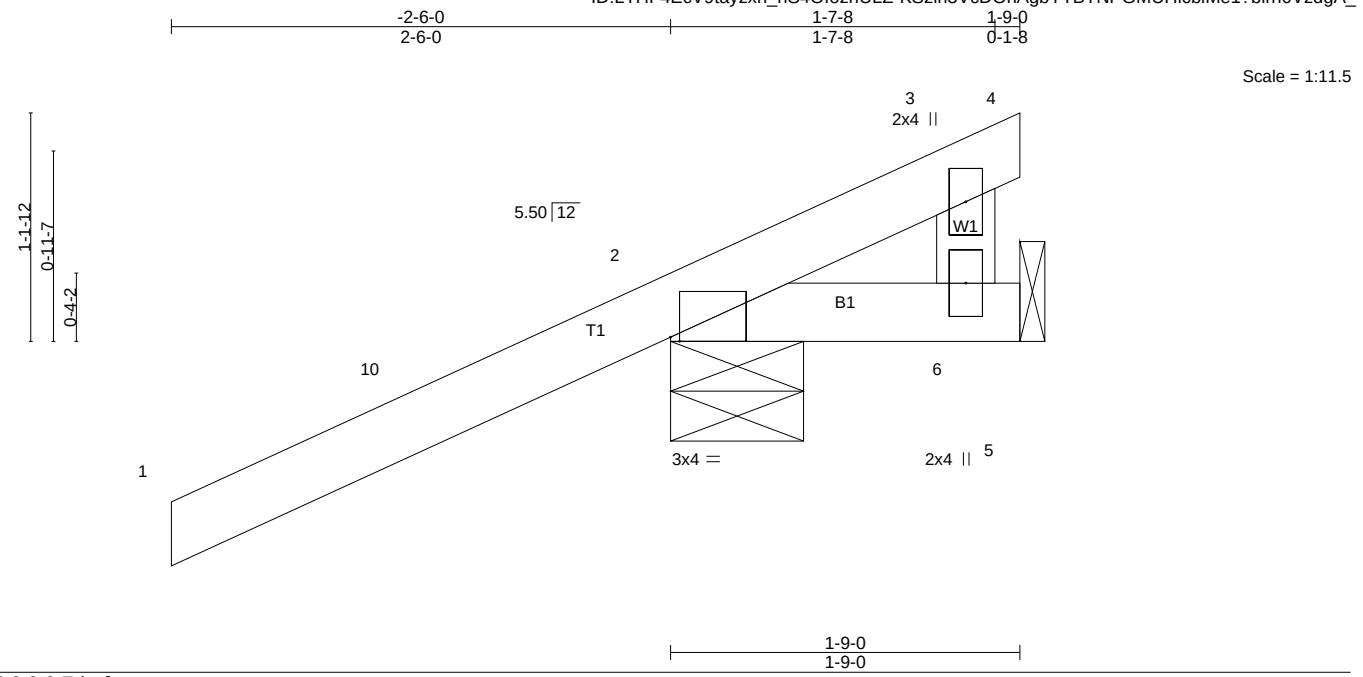

Plate Offsets (X,Y)-- [2:0-0-9,Edge]

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	0.50	Vert(LL)	0.00	9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	0.00	9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.00	9	>999	240	Weight: 10 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-9-0 oc purlins, except end verticals.
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=378/0-8-0 (min. 0-1-8), 5=-57/Mechanical
Max Horz 2=70(LC 12)
Max Uplift2=-226(LC 12), 5=-57(LC 1)
Max Grav2=378(LC 1), 5=87(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-7-1, Interior(1) 0-7-1 to 1-9-0 zone; cantilever left and right exposed ; end vertical 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 226 lb uplift at joint 2 and 57 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	15A	Monopitch	12	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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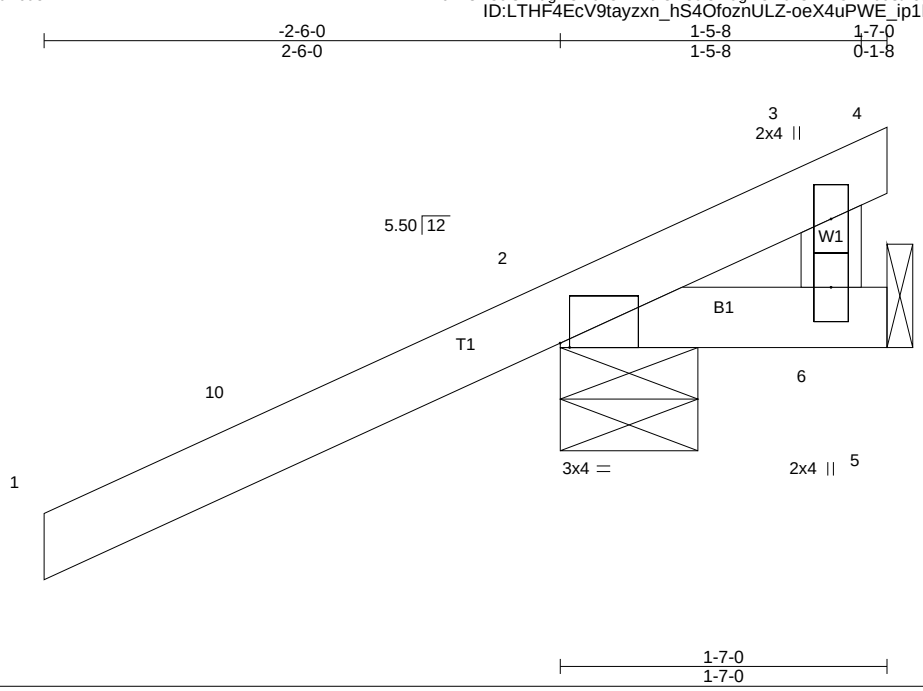

Plate Offsets (X,Y)-- [2:0-0-9,Edge]

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	0.50	Vert(LL)	0.00	9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.00	9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.00	9	>999	240	Weight: 10 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-0 oc purlins, except end verticals.
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=384/0-8-0 (min. 0-1-8), 5=-78/Mechanical
Max Horz 2=69(LC 12)
Max Uplift2=-236(LC 12), 5=-78(LC 1)
Max Grav2=384(LC 1), 5=99(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-7-1, Interior(1) 0-7-1 to 1-7-0 zone; cantilever left and right exposed ; end vertical 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 236 lb uplift at joint 2 and 78 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	16A	Jack-Partial Supported Gable	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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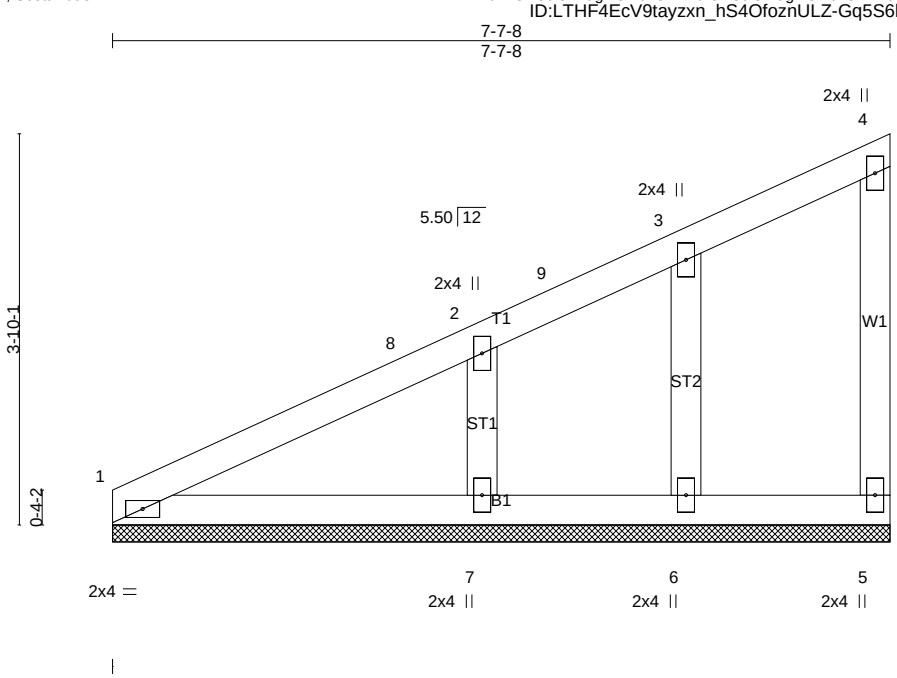

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 34 lb	FT = 10%

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

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.

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

REACTIONS. All bearings 7-7-8.
(lb) - Max Horz 1=150(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 7=330(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-316/155, 2-8=-306/183
WEBS 2-7=-256/354

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 7-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;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) Gable studs spaced at 2-0-0 oc.
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) 5, 6, 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	16B	GABLE	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:02 2019 Page 1
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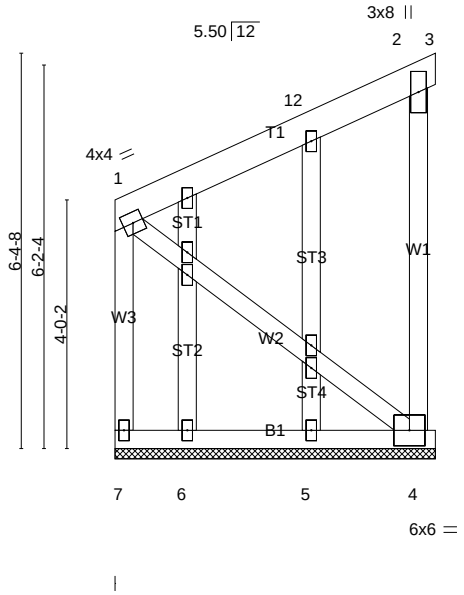

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 55 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
W1: 2x4 SP M 31
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-2 oc bracing.

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

REACTIONS. All bearings 5-2-0.
(lb) - Max Horz 7=246(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 3=-258(LC 1), 4=-263(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 7, 3, 5, 6 except 4=503(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-287/247, 2-4=-459/638
BOT CHORD 6-7=-461/417, 5-6=-461/417, 4-5=-461/417
WEBS 1-4=-354/467

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 5-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;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 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 3=258, 4=263.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	16C	Jack-Closed	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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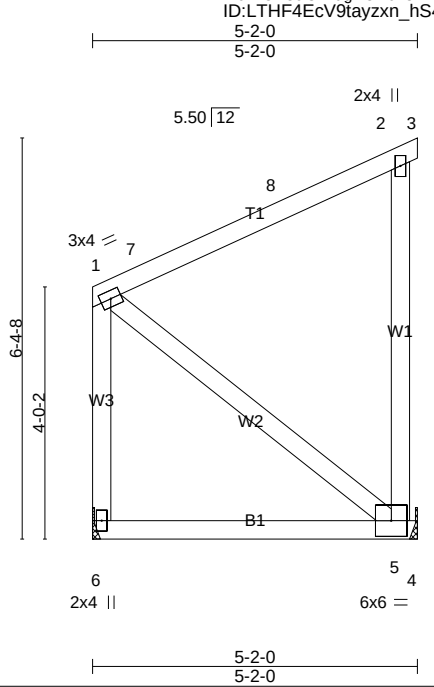

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.03	5-6	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.06	5-6	>941	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.00	6	****	240	Weight: 39 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-10-3 oc bracing.

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

REACTIONS. (lb/size) 6=213/Mechanical, 5=228/Mechanical
Max Horz 6=249(LC 11)
Max Uplift 6=-62(LC 8), 5=-171(LC 9)
Max Grav 6=288(LC 18), 5=285(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-296/239
BOT CHORD 5-6=-434/354
WEBS 1-5=-318/434

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-2-0 zone; cantilever left and right exposed ; end vertical 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) 6 except (jt=lb) 5=171.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F1	FLOOR	9	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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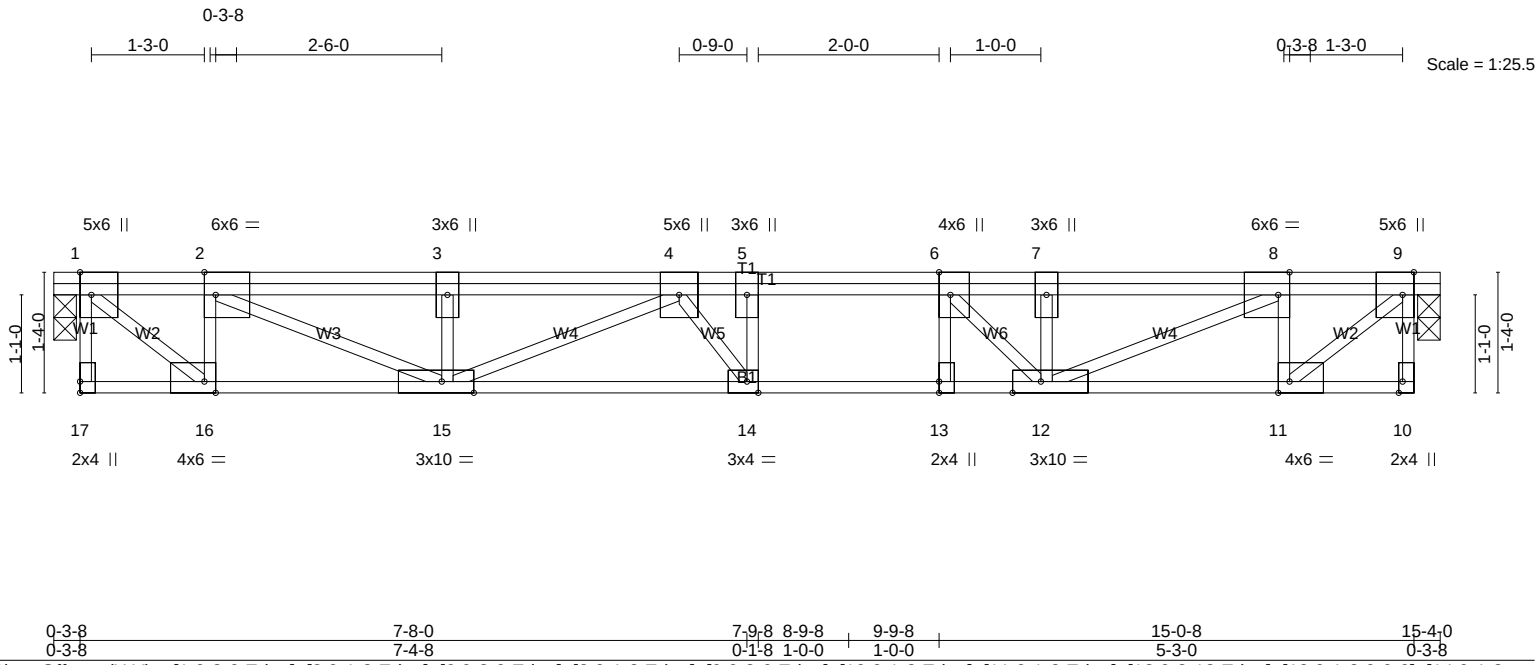

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [2:0-1-8,Edge], [6:0-3-0,Edge], [8:0-1-8,Edge], [9:0-3-0,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [12:0-3-12,Edge], [13:0-1-8,0-0-0], [14:0-1-8,Edge], [15:0-4-4,Edge], [16:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	60.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.11	14-15	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.26	14-15	>673	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	-0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 99 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except*
W3: 2x4 SP No.2(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) 1=1346/0-3-0 (min. 0-1-8), 9=1346/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1529/0, 2-3=-3485/0, 3-4=-3485/0, 4-5=-4113/0, 5-6=-4113/0, 6-7=-3400/0, 7-8=-3400/0, 8-9=-1556/0
BOT CHORD 15-16=0/1529, 14-15=0/4251, 13-14=0/4113, 12-13=0/4113, 11-12=0/1556
WEBS 2-16=-1262/0, 1-16=0/1990, 8-11=-1267/0, 9-11=0/2025, 5-14=-140/318, 2-15=0/2134, 3-15=-478/0, 4-15=-839/0, 4-14=-443/178, 8-12=0/2012, 7-12=-266/116, 6-12=-1200/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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) 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	
413220	F2	FLOOR	9	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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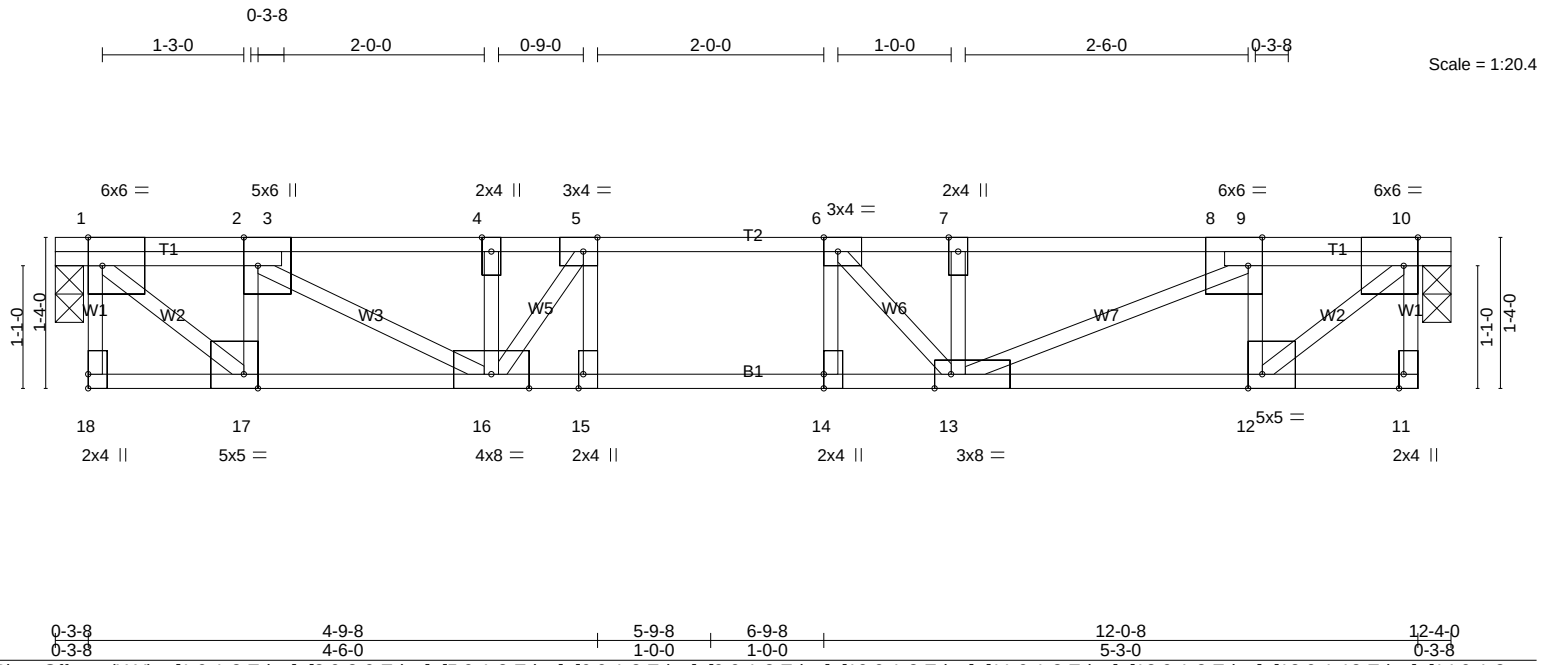

Plate Offsets (X,Y)-- [1:0-1-8,Edge], [2:0-3-0,Edge], [5:0-1-8,Edge], [6:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-12,Edge], [14:0-1-8,0-0-0], [15:0-1-8,Edge], [17:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	60.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.09	13-14	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.62	Vert(CT)	-0.19	13-14	>747	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	-0.04	10	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 70 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except* T2: 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except* W2: 2x4 SP No.2(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) 1=1604/0-3-0 (min. 0-1-8), 10=1604/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1695/0, 2-3=-3230/0, 3-4=-3243/0, 4-5=-3243/0, 5-6=-3768/0, 6-7=-3536/0, 7-8=-3536/0, 8-9=-3523/0, 9-10=-1722/0
BOT CHORD 16-17=0/1695, 15-16=0/3768, 14-15=0/3768, 13-14=0/3768, 12-13=0/1722
WEBS 2-17=-1377/0, 1-17=0/2206, 9-12=-1406/0, 10-12=0/2241, 5-15=-21/257, 2-16=0/1759, 4-16=-299/82, 9-13=0/1979, 7-13=-546/0, 6-13=-679/0, 5-16=-1159/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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) 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	
413220	F3	FLOOR	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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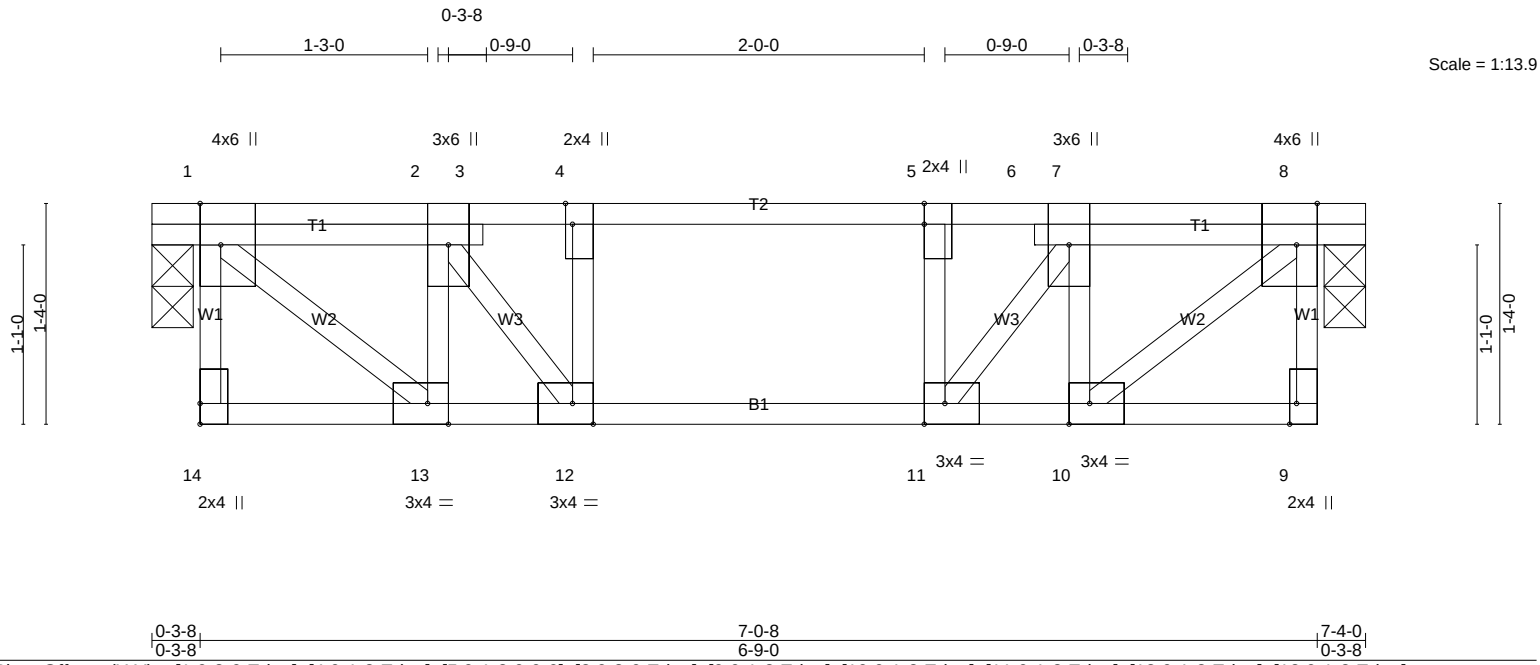

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [8:0-3-0,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	60.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.02	11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.03	12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	-0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 44 lb	FT = 5%F, 0%E

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

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

REACTIONS. (lb/size) 1=914/0-3-0 (min. 0-1-8), 8=914/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-836/0, 2-3=-1171/0, 3-4=-1186/0, 4-5=-1186/0, 5-6=-1186/0, 6-7=-1171/0, 7-8=-836/0
BOT CHORD 12-13=0/836, 11-12=0/1186, 10-11=0/836
WEBS 2-13=-683/0, 1-13=0/1088, 7-10=-683/0, 8-10=0/1088, 2-12=0/690, 7-11=0/690, 4-12=-481/0, 5-11=-481/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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) 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	
413220	F4	Floor Supported Gable	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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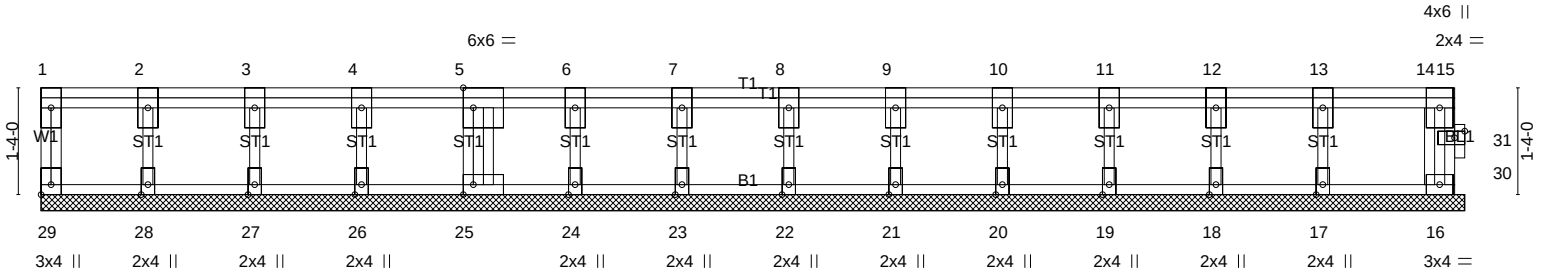

5-6-4 17-9-4
5-6-4 12-3-0

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [14:0-0-0,0-0-12], [15:0-0-0,0-0-12], [25:0-1-8,Edge], [29:Edge,0-1-8], [30:0-1-8,0-1-0]

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	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.19	Horz(CT)	0.00	16	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 105 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.2(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 17-9-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 29=554(LC 1), 16=774(LC 1), 28=1237(LC 1), 27=1310(LC 1), 26=1256(LC 1), 25=1318(LC 1), 24=1259(LC 1), 23=1294(LC 1), 22=1282(LC 1), 21=1285(LC 1), 20=1282(LC 1), 19=1291(LC 1), 18=1252(LC 1), 17=1417(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-29=-534/0
WEBS 2-28=-1241/0, 3-27=-1292/0, 4-26=-1243/0, 5-25=-1305/0, 6-24=-1246/0, 7-23=-1280/0, 8-22=-1268/0, 9-21=-1271/0, 10-20=-1269/0, 11-19=-1277/0, 12-18=-1241/0, 13-17=-1397/0, 14-16=-751/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-29=-10, 1-15=-953
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-29=-10, 1-15=-953

Job	Truss	Truss Type	Qty	Ply	
413220	F5	Floor	11	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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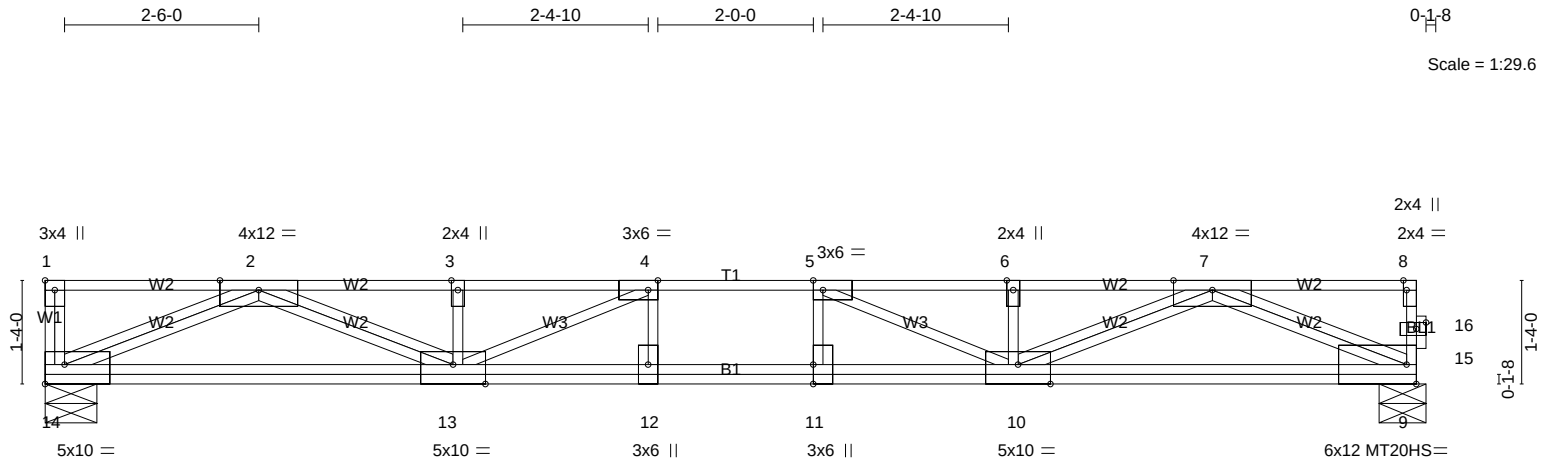

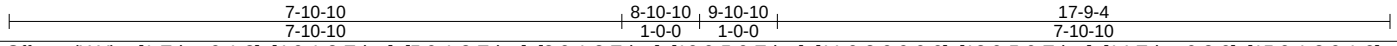

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [10:0-5-0,Edge], [11:0-3-0,0-0-0], [13:0-5-0,Edge], [14:Edge,0-3-0], [15:0-1-8,0-1-0]

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	0.64	Vert(LL)	-0.15	11-12	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.45	11-12	>465	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 129 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=2060/0-8-0 (min. 0-1-8), 9=2060/0-7-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6510/0, 3-4=-6554/0, 4-5=-7752/0, 5-6=-6506/0, 6-7=-6462/0
BOT CHORD 13-14=0/4095, 12-13=0/7752, 11-12=0/7752, 10-11=0/7752, 9-10=0/4012
WEBS 2-14=-4468/0, 2-13=0/2662, 3-13=-571/0, 4-13=-1581/0, 7-9=-4395/0, 7-10=0/2700, 6-10=-573/0, 5-10=-1626/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F6	Floor Supported Gable	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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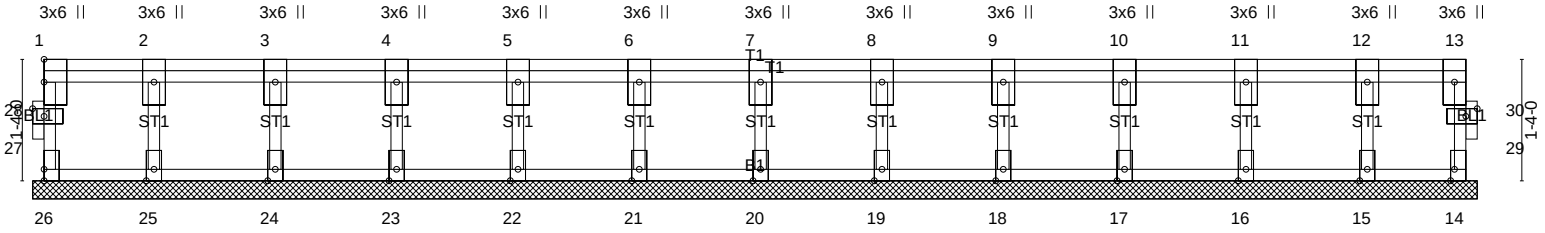

15-10-8
15-10-8

Plate Offsets (X,Y)-- [14:0-1-8,Edge], [27:0-1-8,0-1-0], [29:0-1-8,0-1-0]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	14	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 89 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.2(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 15-10-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14 except 26=260(LC 1), 25=744(LC 1), 24=745(LC 1), 23=740(LC 1), 22=742(LC 1), 21=741(LC 1), 20=741(LC 1), 19=741(LC 1), 18=742(LC 1), 17=738(LC 1), 16=755(LC 1), 15=700(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-254/0, 27-28=-254/0, 1-28=-254/0
WEBS 2-25=-733/0, 3-24=-731/0, 4-23=-727/0, 5-22=-728/0, 6-21=-728/0, 7-20=-728/0, 8-19=-728/0, 9-18=-729/0, 10-17=-725/0, 11-16=-741/0, 12-15=-691/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 2x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-26=-10, 1-13=-546

Job	Truss	Truss Type	Qty	Ply	
413220	F7	Floor	7	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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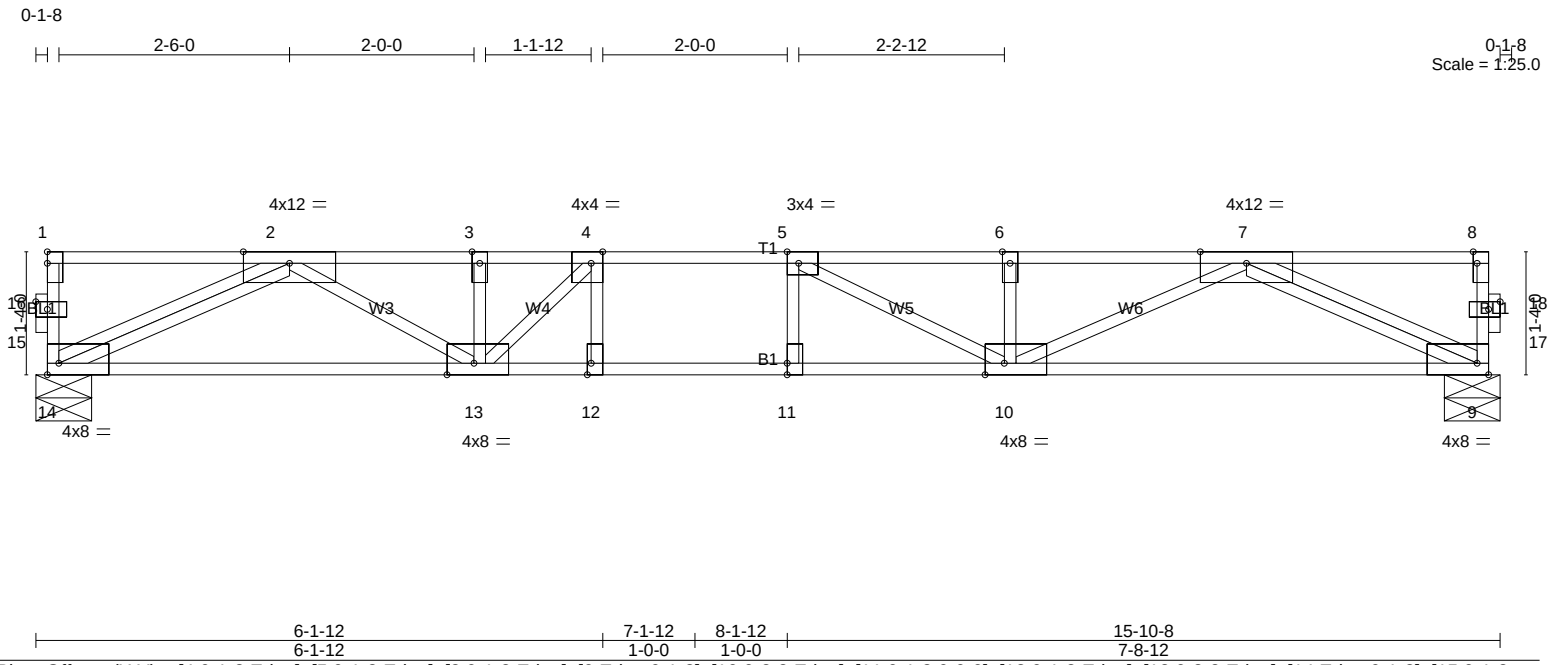

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [9:Edge,0-1-8], [10:0-2-8,Edge], [11:0-1-8,0-0-0], [12:0-1-8,Edge], [13:0-3-8,Edge], [14:Edge,0-1-8], [15:0-1-8,0-1-0], [17:0-1-8,0-1-0]

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	0.73	Vert(LL)	-0.17	10-11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.47	10-11	>399	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.08	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 87 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except*
W6: 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 14=1829/0-7-4 (min. 0-1-8), 9=1829/0-7-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4910/0, 3-4=-4910/0, 4-5=-5754/0, 5-6=-5312/0, 6-7=-5312/0
BOT CHORD 13-14=0/3237, 12-13=0/5754, 11-12=0/5754, 10-11=0/5754, 9-10=0/3261
WEBS 4-12=0/295, 2-14=-3603/0, 2-13=0/1919, 3-13=-286/0, 4-13=-1375/0, 7-9=-3626/0, 7-10=0/2256, 6-10=-640/0, 5-10=-793/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F8	Floor Supported Gable	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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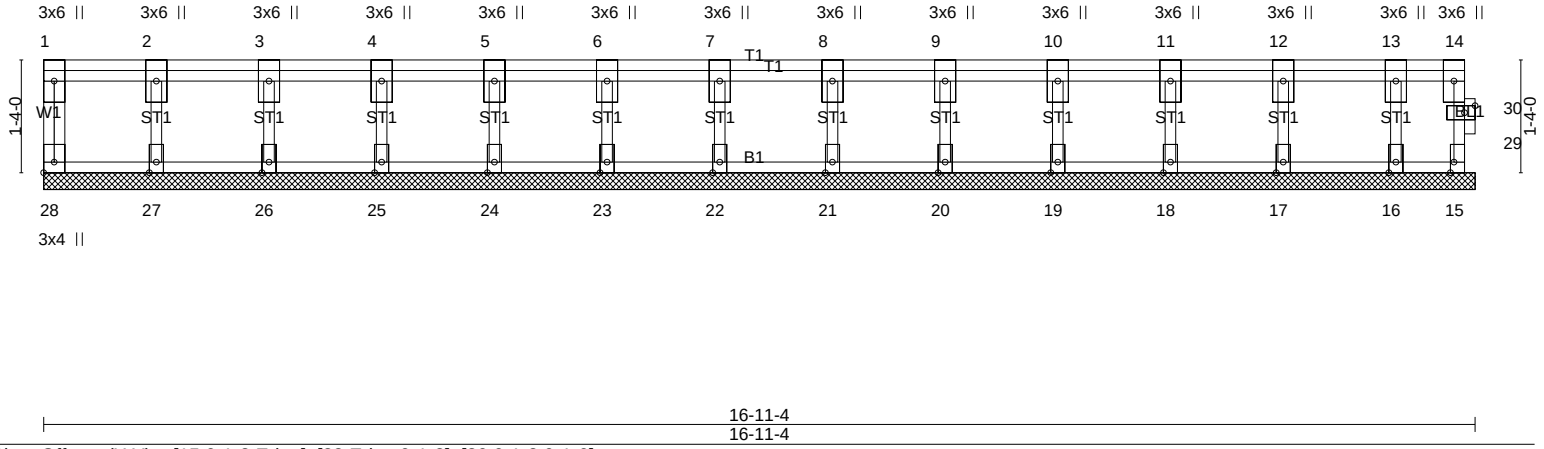

16-11-4
16-11-4

Plate Offsets (X,Y)-- [15:0-1-8,Edge], [28:Edge,0-1-8], [29:0-1-8,0-1-0]

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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	15	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 97 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.2(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 16-11-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 15 except 28=281(LC 1), 27=762(LC 1), 26=741(LC 1), 25=741(LC 1), 24=741(LC 1), 23=741(LC 1), 22=741(LC 1), 21=741(LC 1), 20=741(LC 1), 19=743(LC 1), 18=735(LC 1), 17=770(LC 1), 16=608(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-28=-279/0
WEBS 2-27=-745/0, 3-26=-728/0, 4-25=-728/0, 5-24=-728/0, 6-23=-728/0, 7-22=-728/0, 8-21=-728/0, 9-20=-728/0, 10-19=-729/0, 11-18=-722/0, 12-17=-755/0, 13-16=-607/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 2x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-28=-10, 1-14=-546

Job	Truss	Truss Type	Qty	Ply	
413220	F9	Floor	14	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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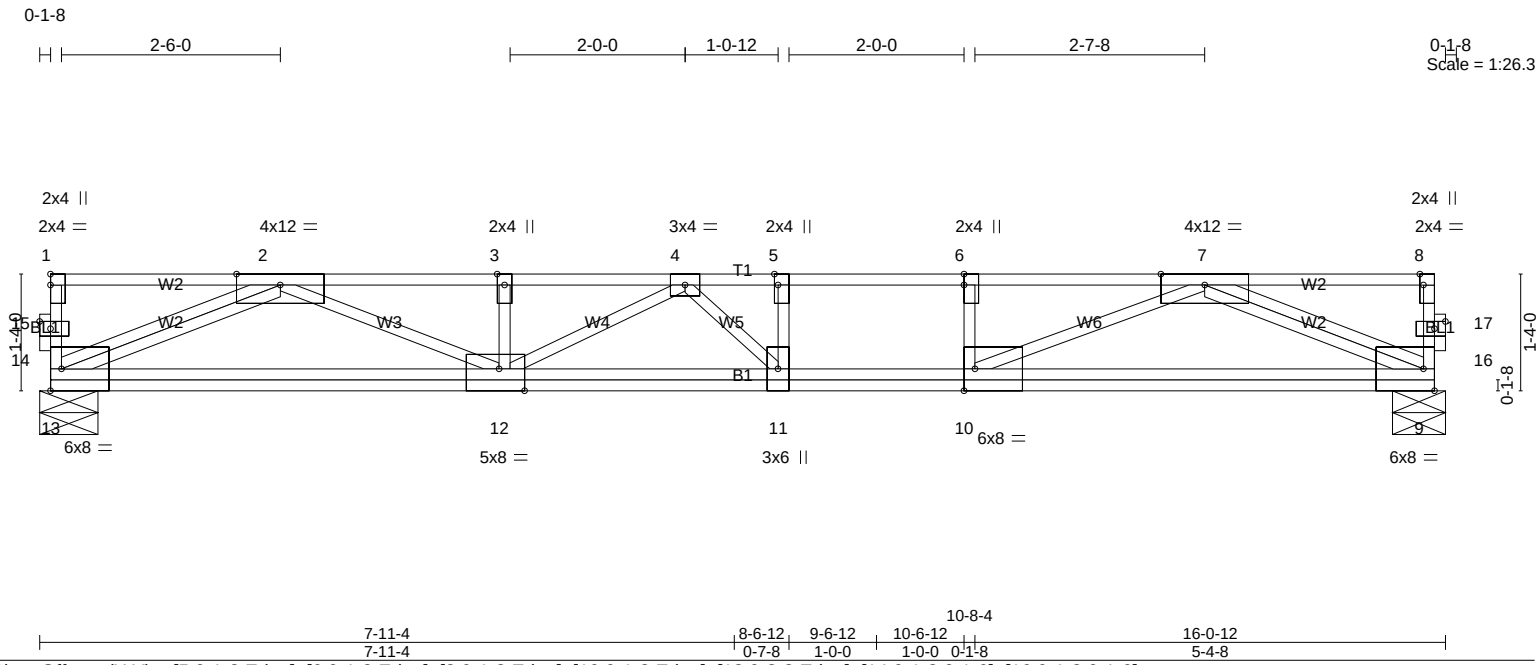

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [10:0-1-8,Edge], [12:0-3-8,Edge], [14:0-1-8,0-1-0], [16:0-1-8,0-1-0]

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	0.76	Vert(LL)	-0.15	11-12	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.44	11-12	>427	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 108 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except*
W3,W6: 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 13=1851/0-8-0 (min. 0-1-8), 9=1851/0-7-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5650/0, 3-4=-5650/0, 4-5=-5946/0, 5-6=-5946/0, 6-7=-5946/0
BOT CHORD 12-13=0/3483, 11-12=0/6145, 10-11=0/5946, 9-10=0/3536
WEBS 6-10=-688/0, 2-13=-3838/0, 2-12=0/2361, 3-12=-508/0, 4-12=-687/0, 4-11=-450/91, 7-9=-3895/0, 7-10=0/2608

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F10	Floor Supported Gable	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:10 2019 Page 1
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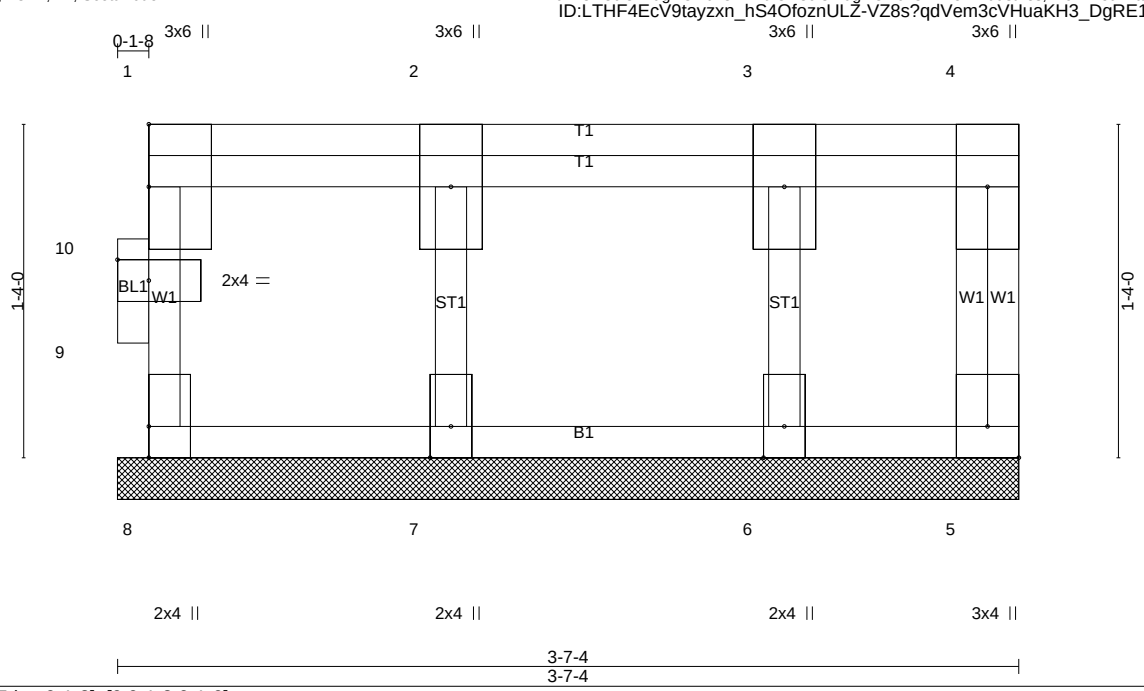

Plate Offsets (X,Y)-- [5:Edge,0-1-8], [9:0-1-8,0-1-0]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 23 lb	FT = 5%F, 0%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-7-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 5 except 8=258(LC 1), 7=768(LC 1), 6=633(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-251/0, 9-10=-251/0, 1-10=-251/0
WEBS 2-7=-757/0, 3-6=-623/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) Plates checked for a plus or minus 0 degree rotation about its center.
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) 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-546

Job	Truss	Truss Type	Qty	Ply	
413220	F11	Floor	5	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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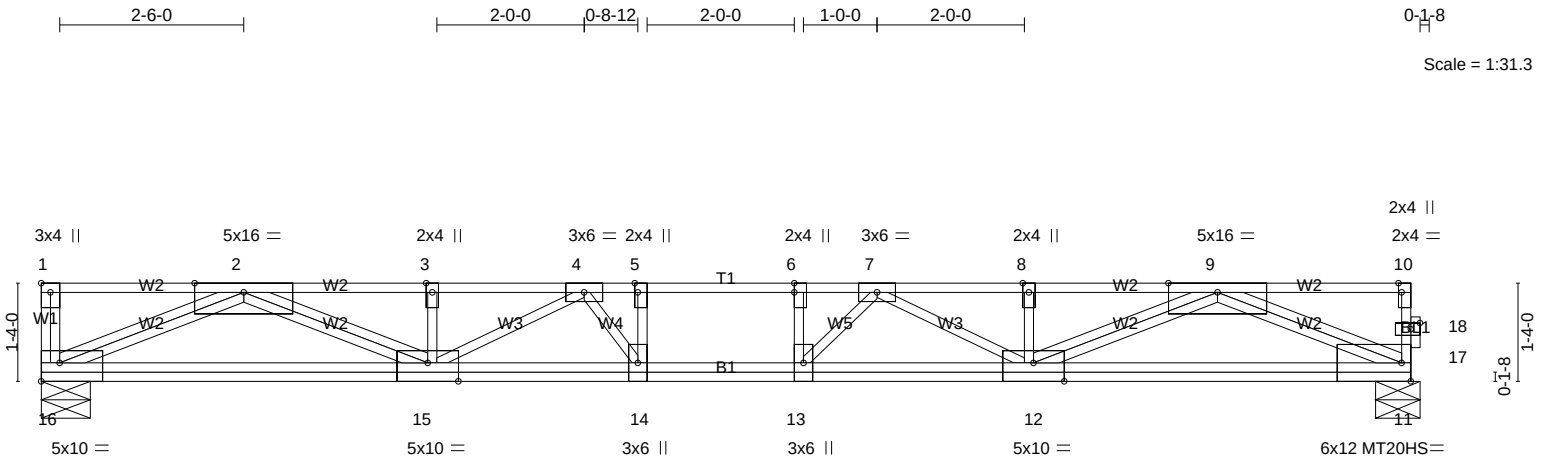

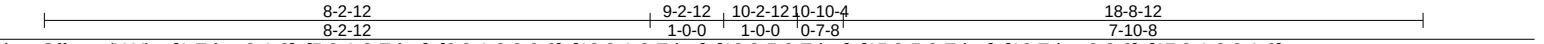

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [10:0-1-8,Edge], [12:0-5-0,Edge], [15:0-5-0,Edge], [16:Edge,0-3-0], [17:0-1-8,0-1-0]

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	0.95	Vert(LL)	-0.19	13-14	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.55	13-14	>399	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 136 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=2173/0-8-0 (min. 0-1-8), 11=2173/0-7-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6978/0, 3-4=-7024/0, 4-5=-8595/0, 5-6=-8595/0, 6-7=-8595/0, 7-8=-6978/0, 8-9=-6932/0
BOT CHORD 15-16=0/4354, 14-15=0/8315, 13-14=0/8595, 12-13=0/8270, 11-12=0/4270
WEBS 5-14=-466/0, 6-13=-424/0, 2-16=-4751/0, 2-15=0/2894, 3-15=-513/0, 4-15=-1535/0, 9-11=-4677/0, 9-12=0/2937, 8-12=-515/0, 7-12=-1499/0, 7-13=0/768, 4-14=0/786

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F12	Floor	3	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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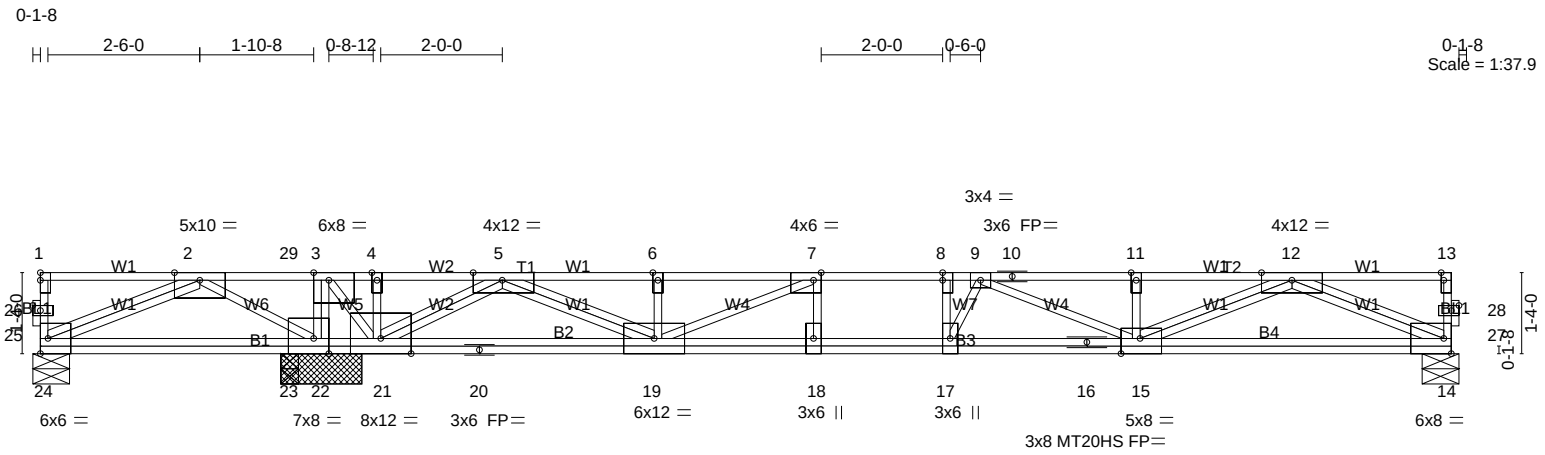

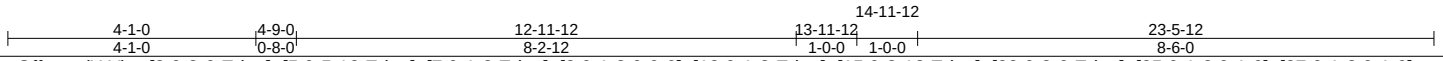

Plate Offsets (X,Y)-- [3:0-3-0,Edge], [5:0-5-12,Edge], [7:0-1-8,Edge], [8:0-1-8,0-0-0], [13:0-1-8,Edge], [15:0-3-12,Edge], [22:0-3-0,Edge], [25:0-1-8,0-1-0], [27:0-1-8,0-1-0]

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	0.79	Vert(LL)	-0.15	15-17	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.46	15-17	>488	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 171 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.2(flat) *Except*
B2,B3: 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except*
W5: 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 24=-739/0-7-4 (min. 0-1-8), 14=1857/0-7-4 (min. 0-1-8), 22=4928/1-4-0 (min. 0-2-8), 23=-594/0-3-8 (min. 0-1-8)
Max Uplift24=-916(LC 4), 23=-597(LC 4)
Max Grav14=1858(LC 4), 22=4928(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-29=0/5006, 3-29=0/5006, 3-4=0/3144, 4-5=0/3169, 5-6=-3600/0, 6-7=-3642/0, 7-8=-6054/0, 8-9=-6054/0, 9-10=-5669/0, 10-11=-5669/0, 11-12=-5626/0
BOT CHORD 23-24=-2319/0, 22-23=-2319/0, 21-22=-5006/0, 20-21=0/405, 19-20=0/405, 18-19=0/6054, 17-18=0/6054, 16-17=0/6252, 15-16=0/6252, 14-15=0/3584
WEBS 7-18=0/446, 3-22=-2440/0, 2-24=0/2559, 2-22=-3295/0, 7-19=-2674/0, 6-19=-578/0, 5-19=0/3530, 5-21=-4115/0, 4-21=-286/0, 3-21=0/2806, 12-14=-3926/0, 12-15=0/2251, 11-15=-561/0, 9-15=-803/0, 9-17=-605/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Plates checked for a plus or minus 0 degree rotation about its center.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 916 lb uplift at joint 24 and 597 lb uplift at joint 23.
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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F13	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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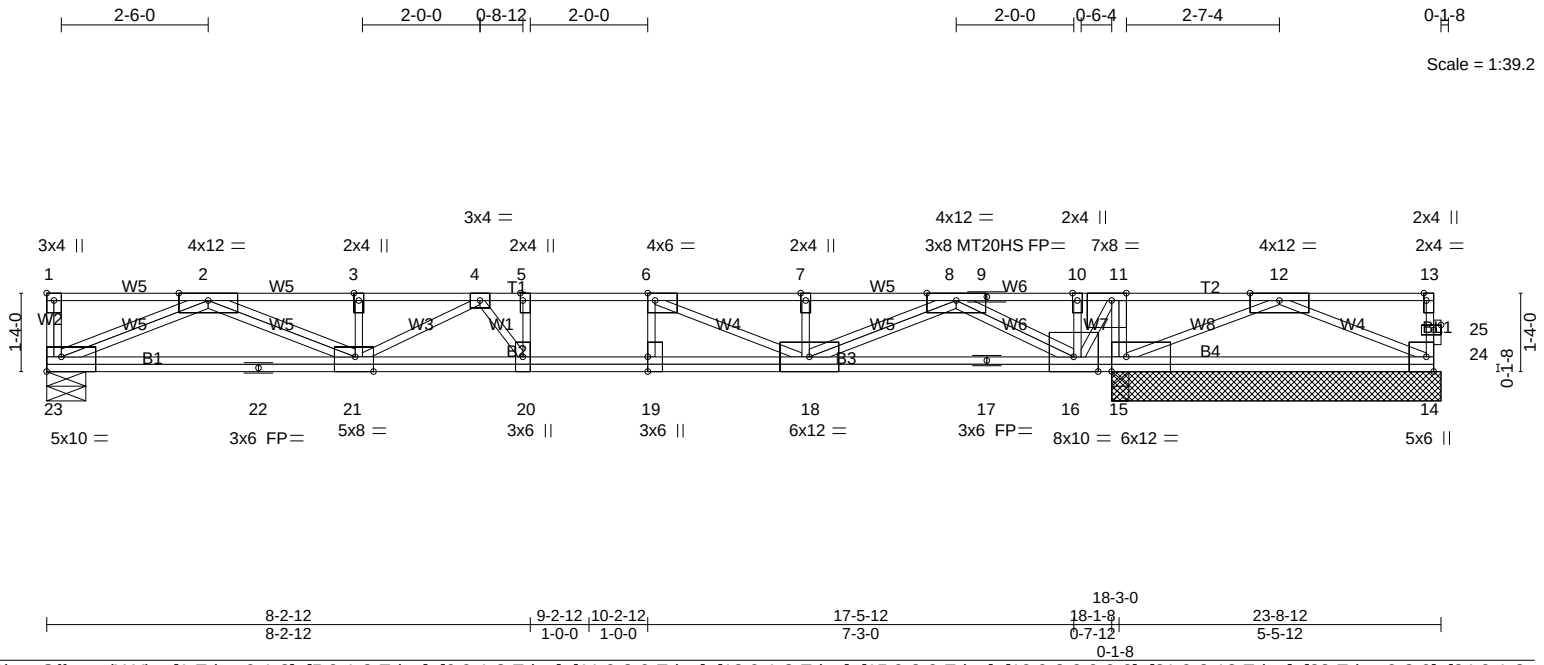

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [11:0-3-0,Edge], [13:0-1-8,Edge], [15:0-3-0,Edge], [19:0-3-0,0-0-0], [21:0-3-12,Edge], [23:Edge,0-3-0], [24:0-1-8,0-1-0]

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	0.79	Vert(LL)	-0.15	20-21	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.43	20-21	>508	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 169 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* B2,B3: 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except* W7: 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-16,14-15.

REACTIONS. (lb/size) 23=1846/0-8-0 (min. 0-1-8), 14=-380/5-7-4 (min. 0-1-8), 15=4061/5-7-4 (min. 0-1-8), 15=4061/5-7-4 (min. 0-1-8)
Max Uplift14=-380(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5571/0, 3-4=-5615/0, 4-5=-6016/0, 5-6=-6016/0, 6-7=-3725/0, 7-8=-3682/0, 8-9=0/2916, 9-10=0/2916, 10-11=0/2902, 11-12=0/4413
BOT CHORD 22-23=0/3629, 21-22=0/3629, 20-21=0/6134, 19-20=0/6016, 18-19=0/6016, 17-18=0/575, 16-17=0/575, 15-16=-4413/0, 14-15=-1367/0
WEBS 6-19=0/418, 11-15=-2640/0, 2-23=-3960/0, 2-21=0/2142, 3-21=-502/0, 4-21=-731/0, 6-18=-2554/0, 7-18=-581/0, 8-18=0/3431, 8-16=-4032/0, 12-14=0/1498, 12-15=-3303/0, 4-20=-374/133, 11-16=0/2602

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 380 lb uplift at joint 14.
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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F14	Floor	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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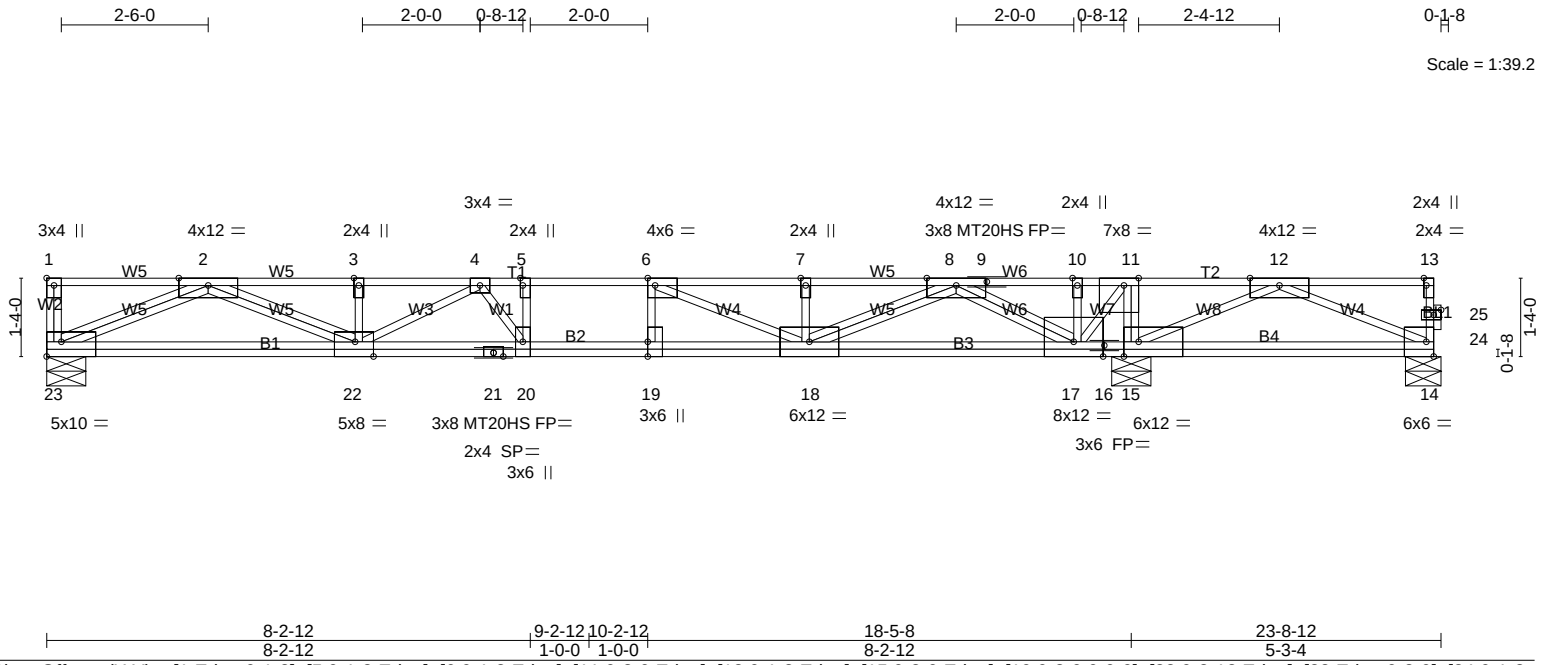

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [11:0-3-0,Edge], [13:0-1-8,Edge], [15:0-3-0,Edge], [19:0-3-0,0-0-0], [22:0-3-12,Edge], [23:Edge,0-3-0], [24:0-1-8,0-1-0]

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	0.81	Vert(LL)	-0.15	20-22	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.43	20-22	>508	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 169 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat) *Except*
B4: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat) *Except*
W7: 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 15-17,14-15.

REACTIONS. (lb/size) 23=1858/0-8-0 (min. 0-1-8), 14=-502/0-7-4 (min. 0-1-8), 15=4170/0-8-0 (min. 0-1-8)
Max Uplift14=-698(LC 3)
Max Grav23=1860(LC 3), 15=4170(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5631/0, 3-4=-5675/0, 4-5=-6130/0, 5-6=-6130/0, 6-7=-3886/0, 7-8=-3843/0, 8-9=0/2738, 9-10=0/2738, 10-11=0/2717, 11-12=0/4687
BOT CHORD 22-23=0/3661, 21-22=0/6230, 20-21=0/6230, 19-20=0/6130, 18-19=0/6130, 17-18=0/765, 16-17=-4687/0, 15-16=-4687/0, 14-15=-1899/0
WEBS 6-19=0/407, 11-15=-2662/0, 2-23=-3995/0, 2-22=0/2173, 3-22=-502/0, 4-22=-764/0, 6-18=-2520/0, 7-18=-582/0, 8-18=0/3403, 8-17=-4014/0, 10-17=-262/0, 11-17=0/3001, 12-14=0/2081, 12-15=-3345/0, 4-20=-354/158

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) The Fabrication Tolerance at joint 21 = 0%
5) Plates checked for a plus or minus 0 degree rotation about its center.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 698 lb uplift at joint 14.
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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F15	Floor	11	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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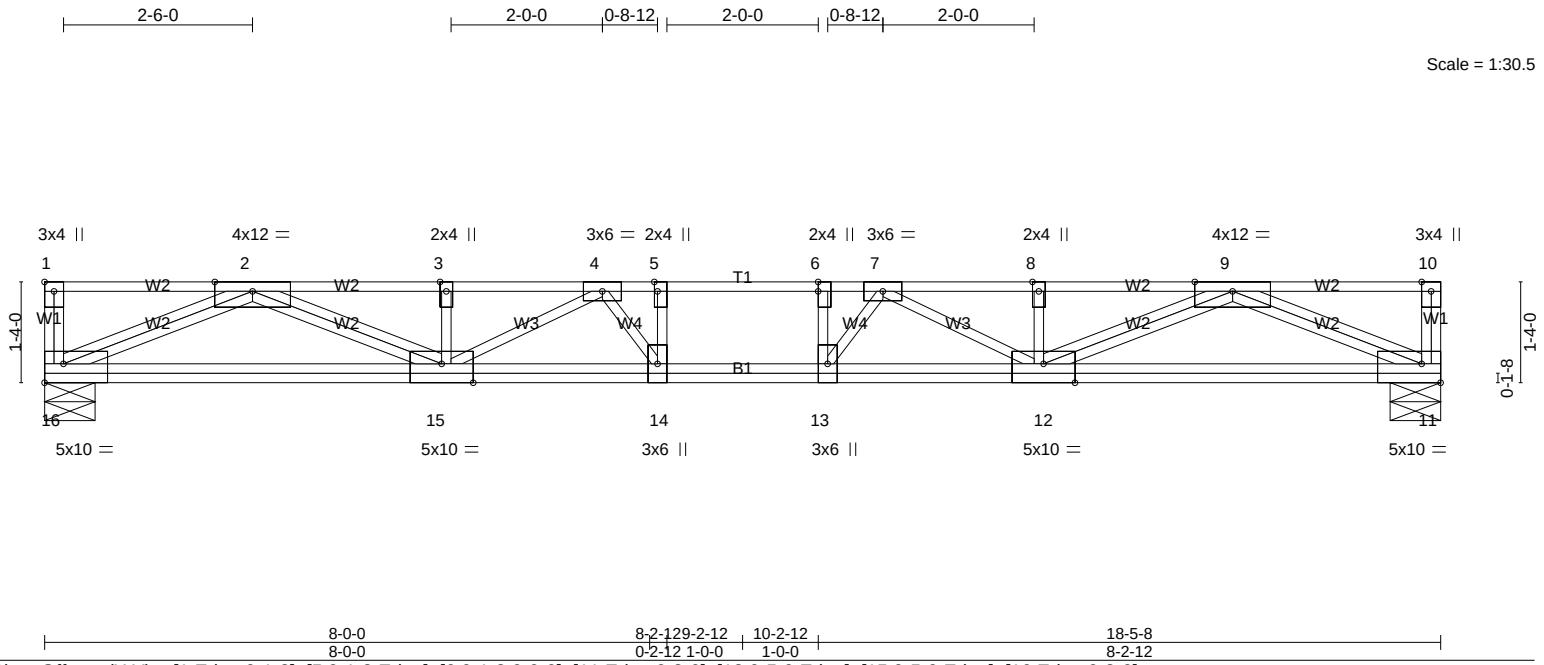

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [11:Edge,0-3-0], [12:0-5-0,Edge], [15:0-5-0,Edge], [16:Edge,0-3-0]

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	0.77	Vert(LL)	-0.18	13-14	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.53	13-14	>413	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 136 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 16=2149/0-8-0 (min. 0-1-8), 11=2149/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6872/0, 3-4=-6918/0, 4-5=-8402/0, 5-6=-8402/0, 6-7=-8402/0, 7-8=-6918/0, 8-9=-6872/0
BOT CHORD 15-16=0/4300, 14-15=0/8152, 13-14=0/8402, 12-13=0/8152, 11-12=0/4300
WEBS 5-14=-448/0, 6-13=-448/0, 2-16=-4692/0, 2-15=0/2838, 3-15=-512/0, 4-15=-1472/0, 9-11=-4692/0, 9-12=0/2838, 8-12=-512/0, 7-12=-1472/0, 4-14=0/735, 7-13=0/735

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F16	Floor Supported Gable	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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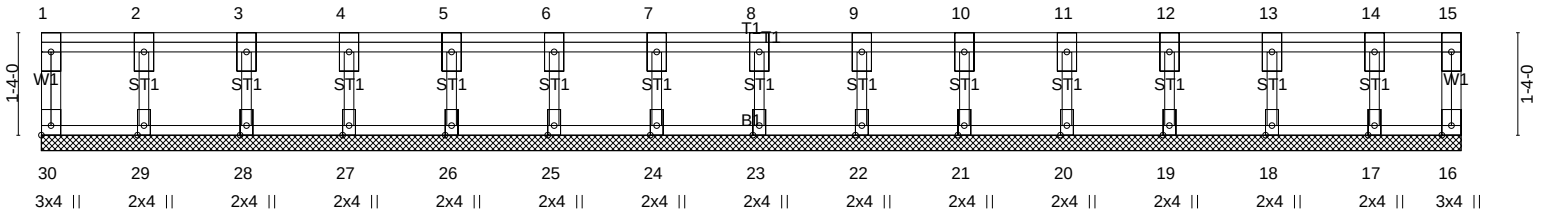

18-5-8
18-5-8

Plate Offsets (X,Y)-- [30: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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	16	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 107 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.2(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 18-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 16 except 30=293(LC 1), 29=747(LC 1), 28=744(LC 1), 27=741(LC 1), 26=741(LC 1), 25=741(LC 1), 24=741(LC 1), 23=741(LC 1), 22=741(LC 1), 21=741(LC 1), 20=742(LC 1), 19=737(LC 1), 18=761(LC 1), 17=669(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-30=-287/0
WEBS 2-29=-735/0, 3-28=-730/0, 4-27=-727/0, 5-26=-728/0, 6-25=-728/0, 7-24=-728/0, 8-23=-728/0, 9-22=-728/0, 10-21=-728/0, 11-20=-729/0, 12-19=-724/0, 13-18=-746/0, 14-17=-663/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-30=-10, 1-15=-546

Job	Truss	Truss Type	Qty	Ply	
413220	F17	Floor Supported Gable	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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0-1-8

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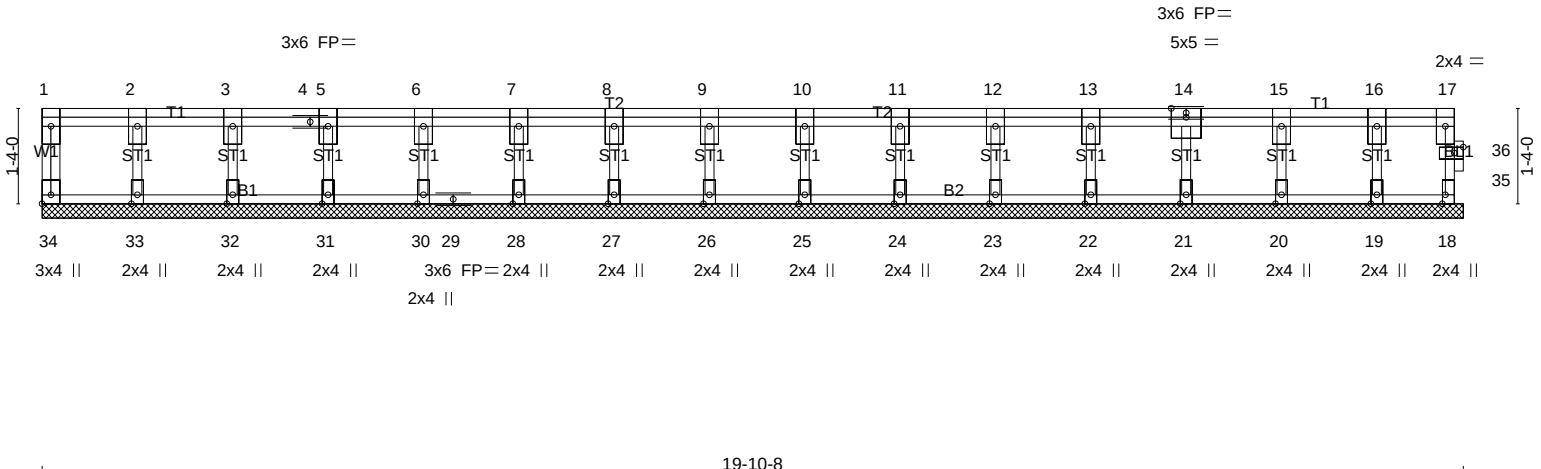

19-10-8
19-10-8

Plate Offsets (X,Y)-- [18:0-1-8,Edge], [34:Edge,0-1-8], [35:0-1-8,0-1-0]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	18	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 113 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.2(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 19-10-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18 except 34=274(LC 1), 33=731(LC 1), 32=715(LC 1), 31=715(LC 1), 30=715(LC 1), 28=715(LC 1), 27=715(LC 1), 26=715(LC 1), 25=715(LC 1), 24=715(LC 1), 23=715(LC 1), 22=715(LC 1), 21=711(LC 1), 20=729(LC 1), 19=666(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-34=-271/0
WEBS 2-33=-715/0, 3-32=-702/0, 5-31=-701/0, 6-30=-701/0, 7-28=-701/0, 8-27=-701/0, 9-26=-701/0, 10-25=-701/0, 11-24=-701/0, 12-23=-701/0, 13-22=-702/0, 14-21=-698/0, 15-20=-714/0, 16-19=-660/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-34=-10, 1-17=-526

Job	Truss	Truss Type	Qty	Ply	
413220	F18	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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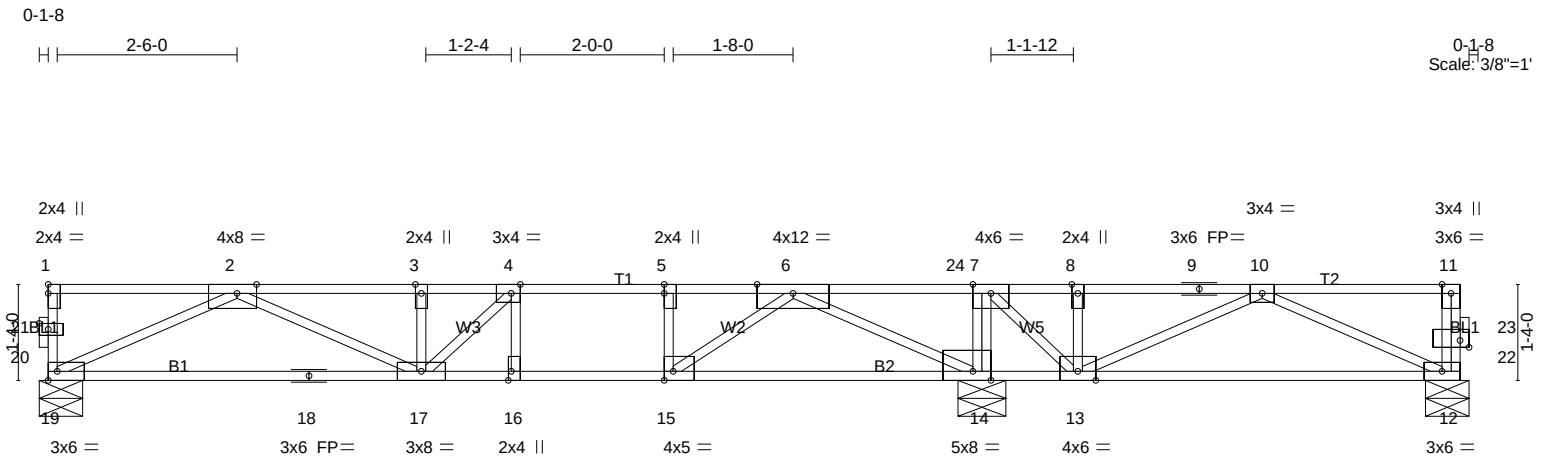

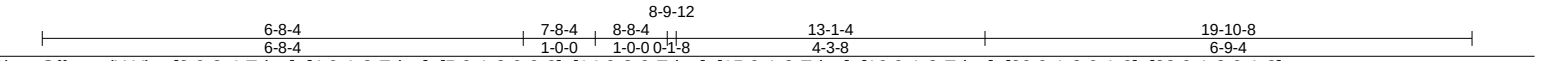

Plate Offsets (X,Y)-- [2:0-3-4,Edge], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [14:0-3-0,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge], [20:0-1-8,0-1-0], [22:0-1-8,0-1-2]

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	0.89	Vert(LL)	-0.12	16-17	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.35	16-17	>440	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 102 lb	FT = 5%F, 0%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14.

REACTIONS. (lb/size) 14=2573/0-8-0 (min. 0-1-8), 19=1430/0-7-4 (min. 0-1-8), 12=583/0-7-4 (min. 0-1-8)
Max Grav 14=2573(LC 1), 19=1438(LC 3), 12=649(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3639/0, 3-4=-3639/0, 4-5=-3331/0, 5-6=-3331/0, 6-24=0/1084, 7-24=0/1084
BOT CHORD 18-19=0/2515, 17-18=0/2515, 16-17=0/3331, 15-16=0/3331, 14-15=0/1975, 13-14=-1084/0, 12-13=0/856
WEBS 4-16=-329/0, 5-15=-746/0, 7-14=-1329/0, 2-19=-2781/0, 2-17=0/1243, 3-17=-626/0, 4-17=0/518, 6-14=-3103/0, 6-15=0/1674, 10-12=-942/0, 10-13=-927/0, 8-13=-381/0, 7-13=0/1195

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Following joints to be plated by qualified designer: Joint(s) 23, not plated.
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	
413220	F19	Floor	13	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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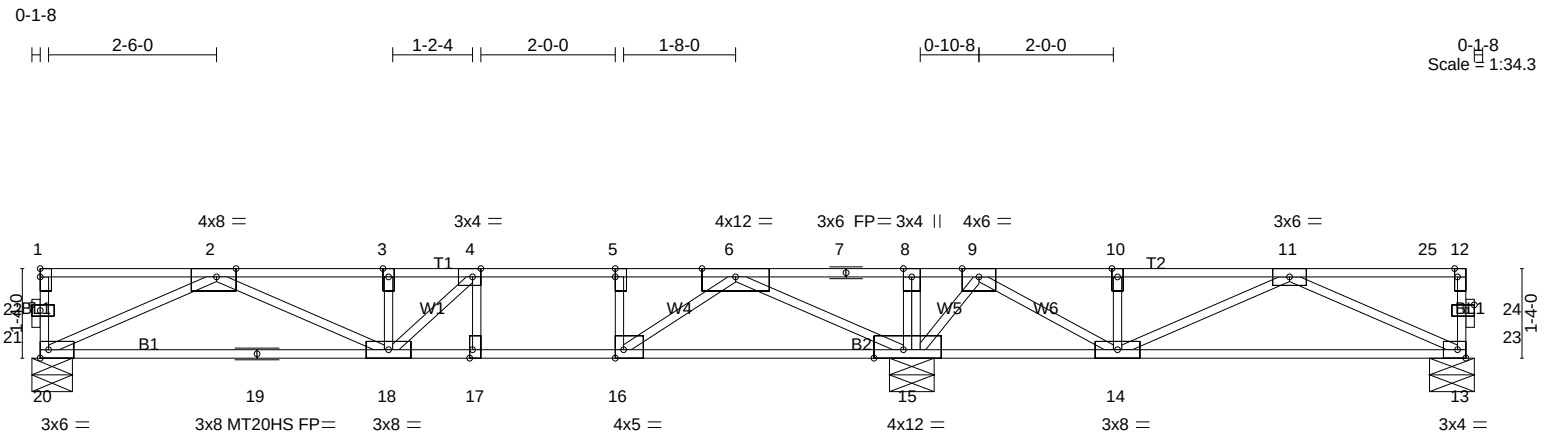

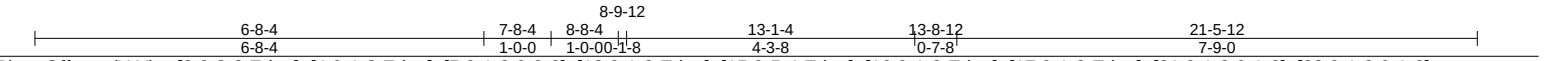

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [12:0-1-8,Edge], [15:0-5-4,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge], [21:0-1-8,0-1-0], [23:0-1-8,0-1-0]

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	1.00	Vert(LL)	-0.13	17-18	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.36	17-18	>431	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.05	13	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 108 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except*
T1: 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.2(flat) *Except*
B2: 2x4 SP M 31(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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 14-15.

REACTIONS. (lb/size) 13=801/0-8-0 (min. 0-1-8), 20=1411/0-7-4 (min. 0-1-8), 15=2769/0-8-0 (min. 0-1-8)
Max Grav 13=849(LC 7), 20=1426(LC 3), 15=2769(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3593/0, 3-4=-3593/0, 4-5=-3258/0, 5-6=-3258/0, 6-7=0/1243, 7-8=0/1243, 8-9=0/1226, 9-10=-1134/0, 10-11=-1134/0
BOT CHORD 19-20=0/2491, 18-19=0/2491, 17-18=0/3258, 16-17=0/3258, 15-16=0/1883, 14-15=-409/26, 13-14=0/1269
WEBS 4-17=-347/0, 5-16=-764/0, 8-15=-533/0, 2-20=-2754/0, 2-18=0/1217, 3-18=-640/0, 4-18=0/582, 6-15=-3119/0, 6-16=0/1717, 11-13=-1403/0, 11-14=-322/0, 10-14=-531/0, 9-14=0/1424, 9-15=-1253/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Plates checked for a plus or minus 0 degree rotation about its center.
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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F20	Floor Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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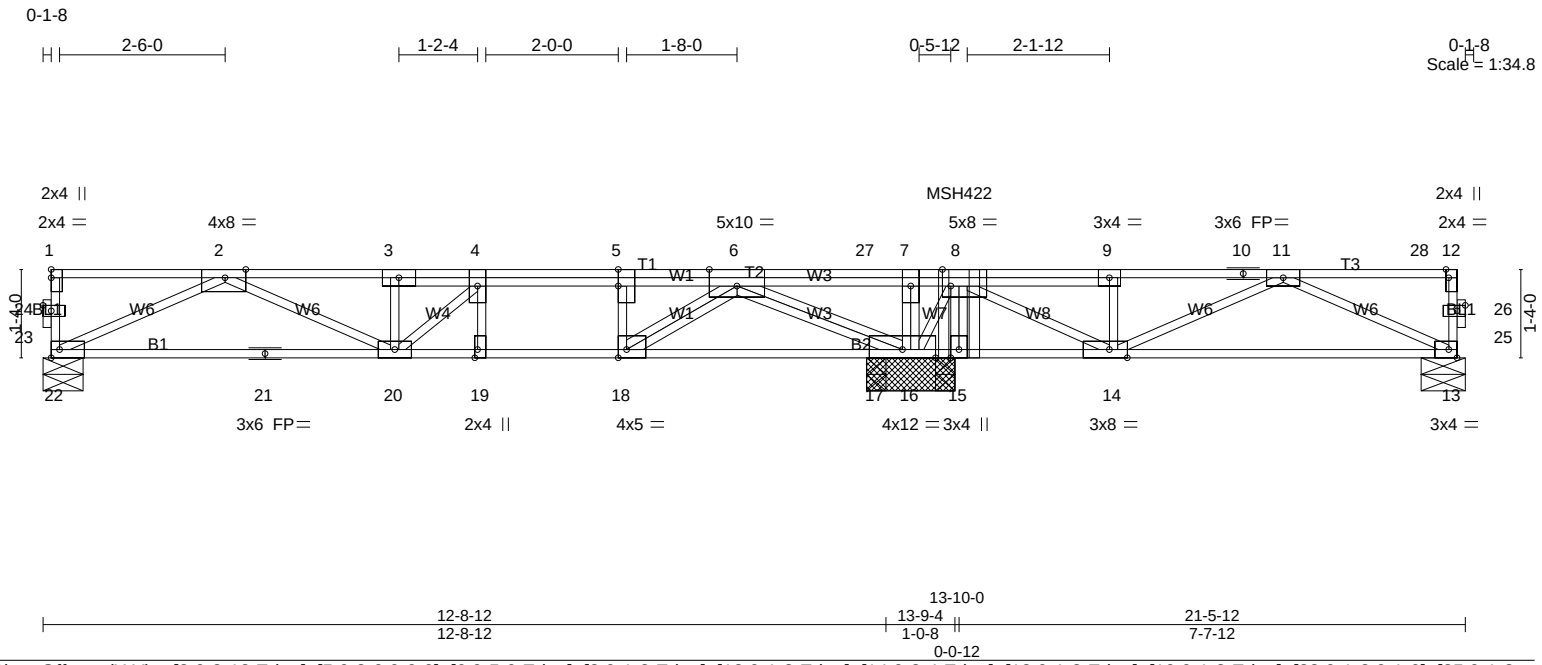

Plate Offsets (X,Y)-- [2:0-3-12,Edge], [5:0-3-0,0-0-0], [6:0-5-0,Edge], [8:0-1-8,Edge], [12:0-1-8,Edge], [14:0-3-4,Edge], [18:0-1-8,Edge], [19:0-1-8,Edge], [23:0-1-8,0-1-0], [25:0-1-8,0-1-0]

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	0.97	Vert(LL)	-0.07	19-20	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.21	19-20	>703	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.03	16	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 133 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except* T1: 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* B2: 2x4 SP M 31(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, Except: 6-0-0 oc bracing: 15-16,14-15.

REACTIONS. All bearings 1-4-0 except (jt=length) 13=0-8-0, 22=0-7-4, 17=0-3-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 17
Max Grav All reactions 250 lb or less at joint(s) 17 except 13=692(LC 11), 15=1431(LC 4), 15=1000(LC 1), 16=3198(LC 3), 22=1331(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3188/0, 3-4=-3182/0, 4-5=-2813/0, 5-6=-2813/0, 6-27=0/2076, 7-27=0/2076, 7-8=0/2076, 8-9=-572/0, 9-10=-565/0, 10-11=-565/0
BOT CHORD 21-22=0/2286, 20-21=0/2286, 19-20=0/2813, 18-19=0/2813, 17-18=0/993, 16-17=0/993, 15-16=-1327/0, 14-15=-1291/0, 13-14=0/975
WEBS 8-15=-1404/0, 7-16=-686/0, 5-18=-1064/0, 2-22=-2527/0, 2-20=0/997, 3-20=-654/0, 4-20=0/602, 6-16=-3288/0, 6-18=0/2188, 11-13=-1077/0, 11-14=-581/0, 9-14=-527/0, 8-14=0/1828, 8-16=-1429/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17.
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.
7) CAUTION, Do not erect truss backwards.
8) Use USP MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 13-10-0 from the left end to connect truss(es) F22 (1 ply 2x4 SP) to front face of top chord.
9) Fill all nail holes where hanger is in contact with lumber.
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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-22=-10, 1-12=-226

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	
413220	F20	Floor Girder	1	1	Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 8=-1080(F)

Job	Truss	Truss Type	Qty	Ply	
413220	F21	Floor	2	1	Job Reference (optional)

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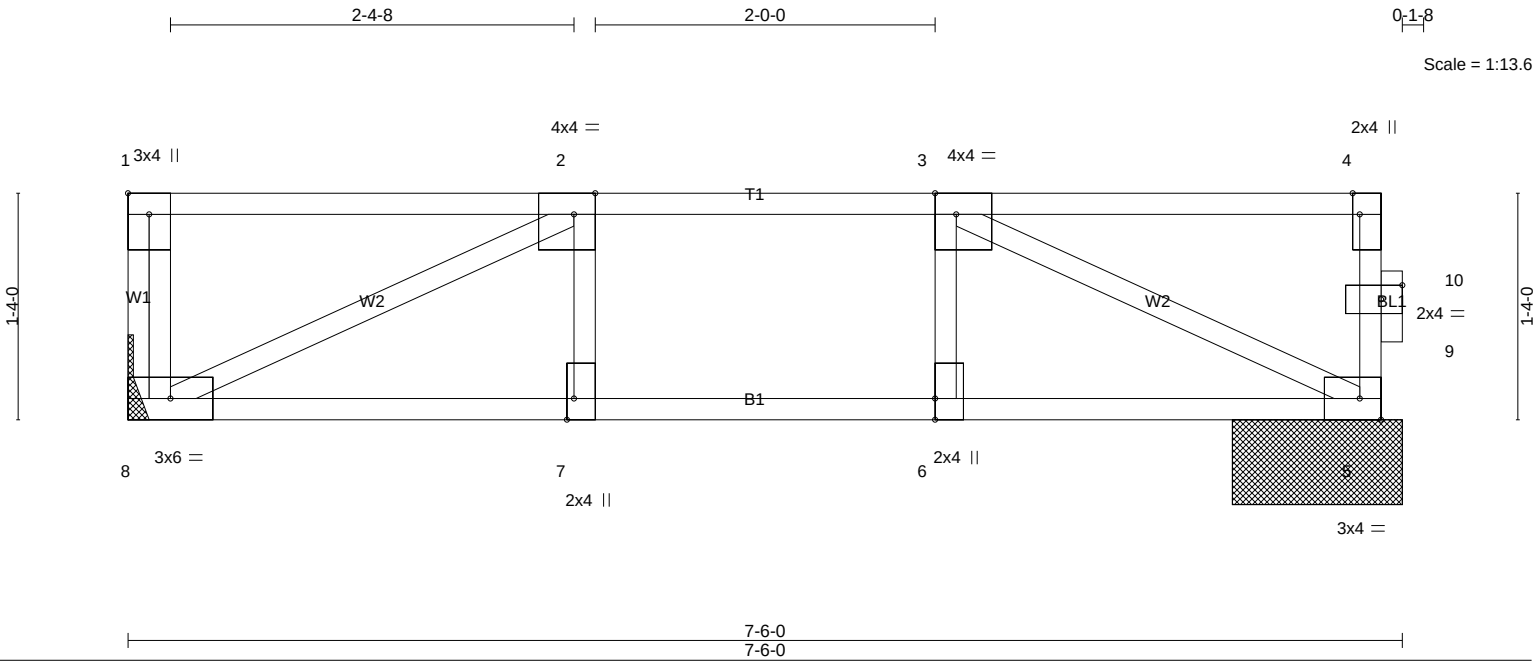

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [7:0-1-8,Edge], [9:0-1-8,0-1-0]

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	0.91	Vert(LL)	-0.05	7-8	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.08	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 38 lb	FT = 5%F, 0%E

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

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

REACTIONS. (lb/size) 8=848/Mechanical, 5=848/1-0-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-251/0, 2-3=-1251/0
BOT CHORD 7-8=0/1251, 6-7=0/1251, 5-6=0/1251
WEBS 2-8=-1384/0, 3-5=-1390/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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	
413220	F22	Floor Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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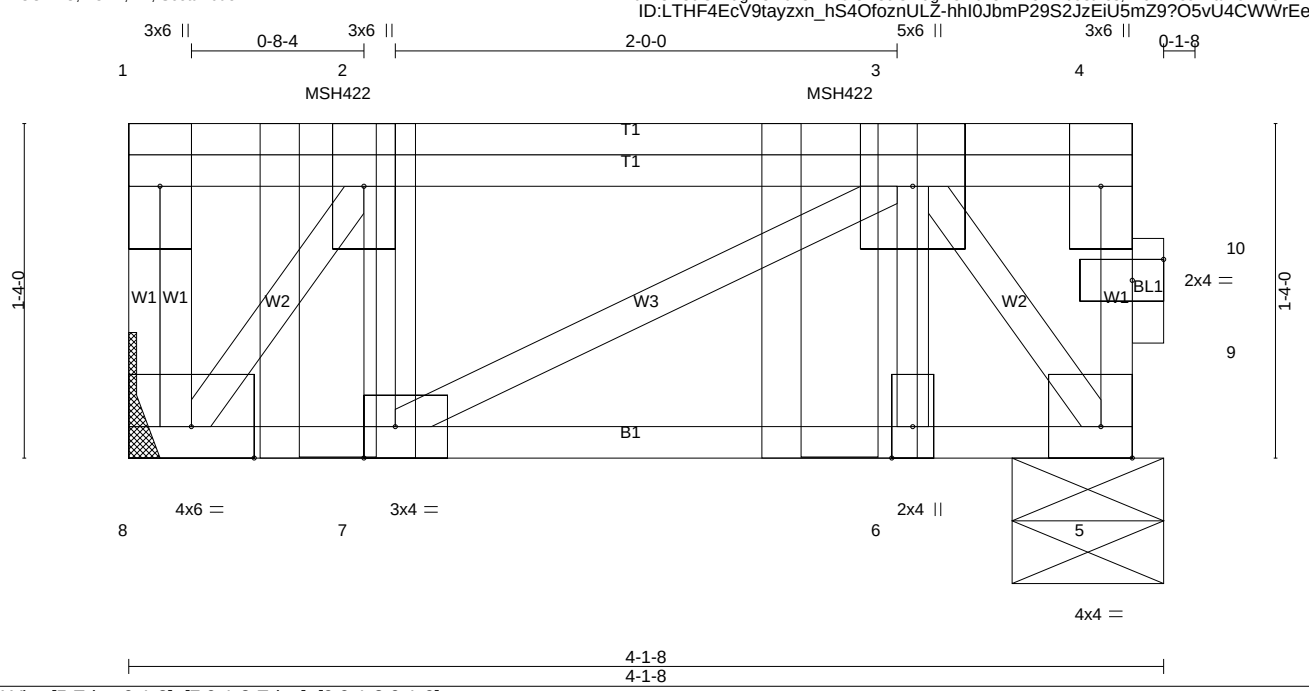

Plate Offsets (X,Y)-- [5:Edge,0-1-8], [7:0-1-8,Edge], [9:0-1-8,0-1-0]

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	0.26	Vert(LL)	-0.00	6-7	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-P							Weight: 32 lb	FT = 5%F, 0%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=1306/Mechanical, 5=1309/0-7-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-953/0
BOT CHORD 7-8=0/953, 6-7=0/895, 5-6=0/895
WEBS 2-8=-1570/0, 3-5=-1548/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) Plates checked for a plus or minus 0 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
7) Use USP MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-10-0 from the left end to 2-10-0 to connect truss(es) F21 (1 ply 2x4 SP) to back face of top chord.
8) Fill all nail holes where hanger is in contact with lumber.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-341(F=-115)
Concentrated Loads (lb)
Vert: 2=-655(B) 3=-622(B)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-341(F=-115)
Concentrated Loads (lb)
Vert: 2=-655(B) 3=-622(B)

Job	Truss	Truss Type	Qty	Ply	
413220	F23	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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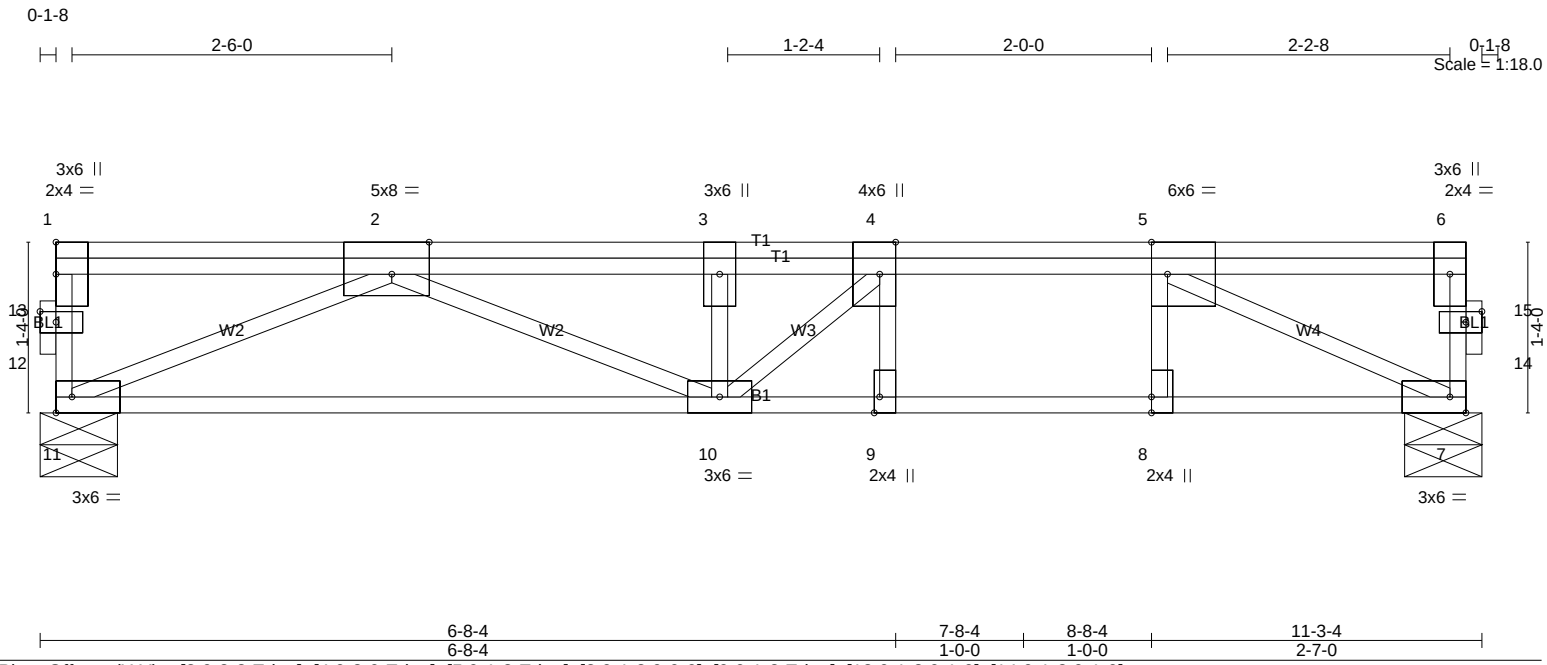


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [4:0-3-0,Edge], [5:0-1-8,Edge], [8:0-1-8,0-0-0], [9:0-1-8,Edge], [12:0-1-8,0-1-0], [14:0-1-8,0-1-0]

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)	-0.08	9-10	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.23	9-10	>563	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 71 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 11=1286/0-7-4 (min. 0-1-8), 7=1286/0-7-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3167/0, 3-4=-3167/0, 4-5=-2506/0
BOT CHORD 10-11=0/2282, 9-10=0/2506, 8-9=0/2506, 7-8=0/2506
WEBS 2-11=-2500/0, 2-10=0/969, 3-10=-845/0, 4-10=0/953, 5-7=-2792/0

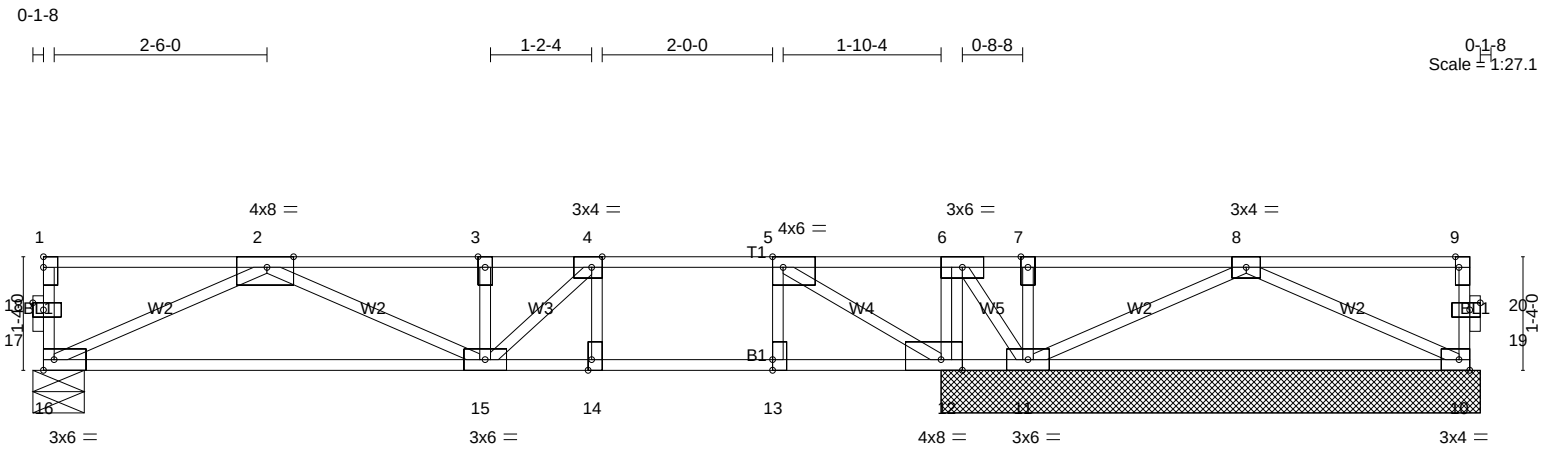
NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F24	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:22 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-9tsOWwn1pSavx7pu1oHoiCxAFuHIFtTNtqvPJgzdg9d



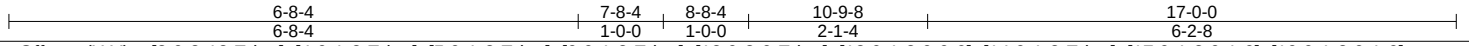


Plate Offsets (X,Y)-- [2:0-3-12,Edge], [4:0-1-8,Edge], [5:0-1-8,Edge], [9:0-1-8,Edge], [12:0-3-0,Edge], [13:0-1-8,0-0-0], [14:0-1-8,Edge], [17:0-1-8,0-1-0], [19:0-1-8,0-1-0]

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	0.67	Vert(LL)	-0.12	14-15	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.33	14-15	>383	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.04	10	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 88 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(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. All bearings 6-4-0 except (jt=length) 16=0-7-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 12=456(LC 8), 16=1361(LC 3), 10=673(LC 7), 11=1706(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3319/0, 3-4=-3319/0, 4-5=-2875/0, 5-6=-983/0, 6-7=-394/0, 7-8=-394/0
BOT CHORD 15-16=0/2355, 14-15=0/2875, 13-14=0/2875, 12-13=0/2875, 11-12=0/983, 10-11=0/900
WEBS 4-14=-385/0, 5-13=0/351, 6-12=0/857, 2-16=-2603/0, 2-15=0/1066, 3-15=-630/0, 4-15=0/617, 5-12=-2309/0, 8-10=-995/0, 8-11=-710/0, 7-11=-524/0, 6-11=-988/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F25	Floor	13	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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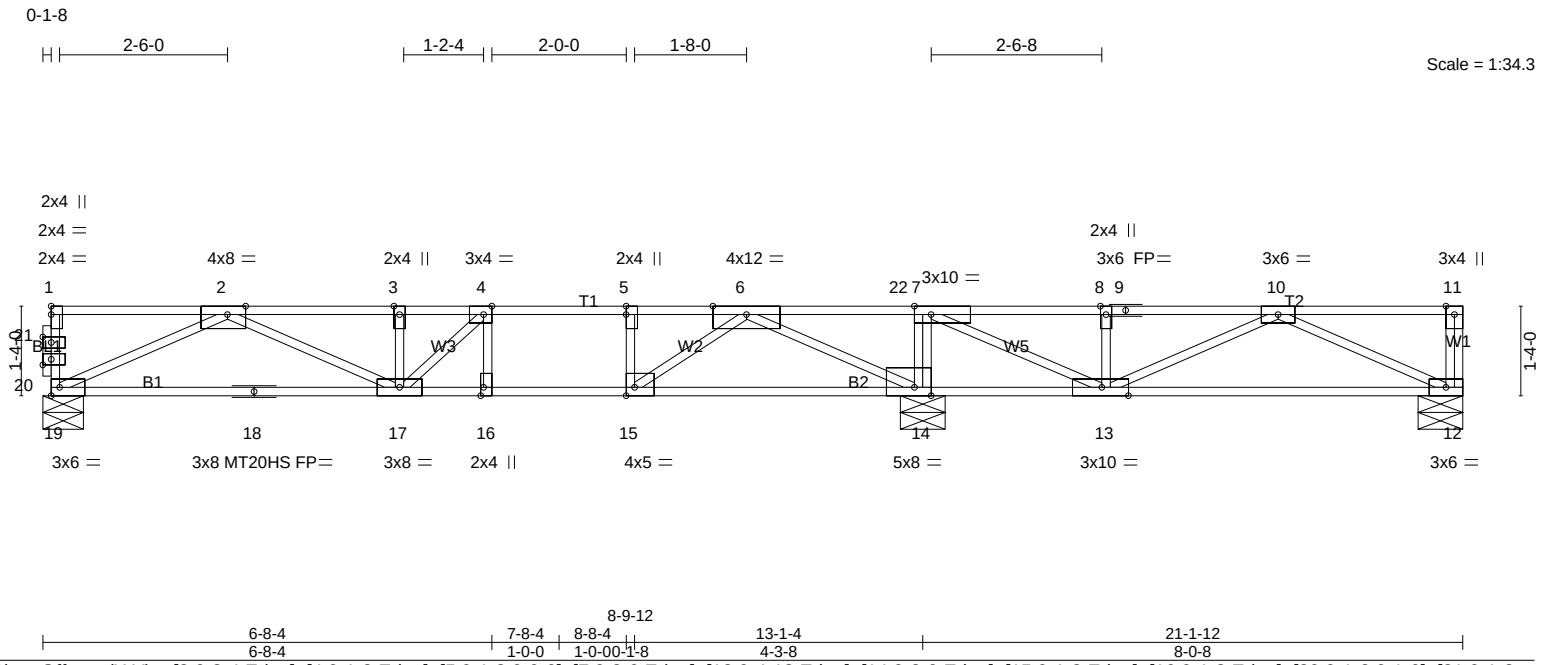

Plate Offsets (X,Y)-- [2:0-3-4,Edge], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [7:0-3-0,Edge], [13:0-4-12,Edge], [14:0-3-0,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge], [20:0-1-8,0-1-0], [21:0-1-8,0-1-0]

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	0.85	Vert(LL)	-0.12	16-17	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.35	16-17	>438	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 108 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except* T1: 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* B2: 2x4 SP M 31(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, Except: 6-0-0 oc bracing: 13-14.

REACTIONS. (lb/size) 14=2727/0-8-0 (min. 0-1-8), 19=1422/0-7-4 (min. 0-1-8), 12=768/0-8-0 (min. 0-1-8)
Max Grav 14=2727(LC 1), 19=1434(LC 3), 12=820(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3623/0, 3-4=-3623/0, 4-5=-3305/0, 5-6=-3305/0, 6-22=0/1124, 7-22=0/1124, 7-8=-1002/0, 8-9=-1002/0, 9-10=-1002/0
BOT CHORD 18-19=0/2507, 17-18=0/2507, 16-17=0/3305, 15-16=0/3305, 14-15=0/1937, 13-14=-1124/0, 12-13=0/1217
WEBS 4-16=-334/0, 5-15=-767/0, 7-14=-1468/0, 2-19=-2772/0, 2-17=0/1233, 3-17=-633/0, 4-17=0/546, 6-14=-3068/0, 6-15=0/1708, 10-12=-1340/0, 10-13=-431/0, 8-13=-569/0, 7-13=0/1944

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F26	Floor	7	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:24 2019 Page 1
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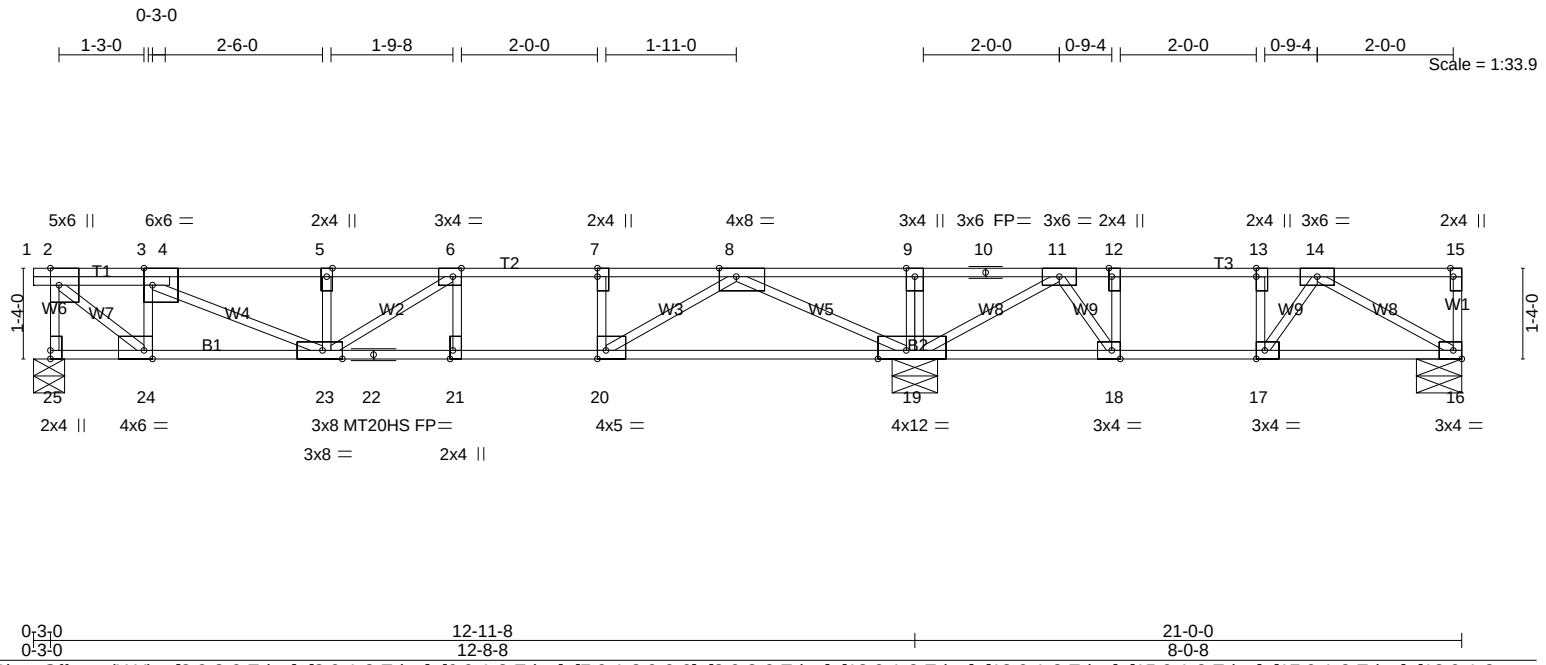

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [3:0-1-8,Edge], [6:0-1-8,Edge], [7:0-1-8,0-0-0], [8:0-3-0,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [15:0-1-8,Edge], [17:0-1-8,Edge], [18:0-1-8,Edge], [19:0-5-0,Edge], [20:0-1-8,Edge], [21:0-1-8,Edge], [23:0-3-8,Edge], [24:0-1-8,Edge]

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	0.75	Vert(LL)	-0.11	21-23	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.30	21-23	>505	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.04	16	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 108 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except* T2: 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(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) 25=1499/0-5-8 (min. 0-1-8), 16=844/0-8-0 (min. 0-1-8), 19=2595/0-8-0 (min. 0-1-8)
Max Grav 25=1507(LC 3), 16=878(LC 7), 19=2595(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-1499/0, 2-3=-1519/0, 3-4=-3291/0, 4-5=-3301/0, 5-6=-3301/0, 6-7=-3501/0, 7-8=-3501/0, 8-9=0/656, 9-10=0/649, 10-11=0/649, 11-12=-1288/0, 12-13=-1288/0, 13-14=-1288/0
BOT CHORD 23-24=0/1519, 22-23=0/3501, 21-22=0/3501, 20-21=0/3501, 19-20=0/2223, 18-19=0/938, 17-18=0/1288, 16-17=0/1132
WEBS 3-24=-1254/0, 2-24=0/1977, 9-19=-642/0, 3-23=0/1944, 5-23=-584/0, 8-19=-2921/0, 6-23=-394/0, 8-20=0/1568, 7-20=-662/0, 11-19=-1530/0, 14-16=-1312/0, 11-18=0/765, 14-17=0/276, 12-18=-543/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F27	Floor Supported Gable	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:25 2019 Page 1
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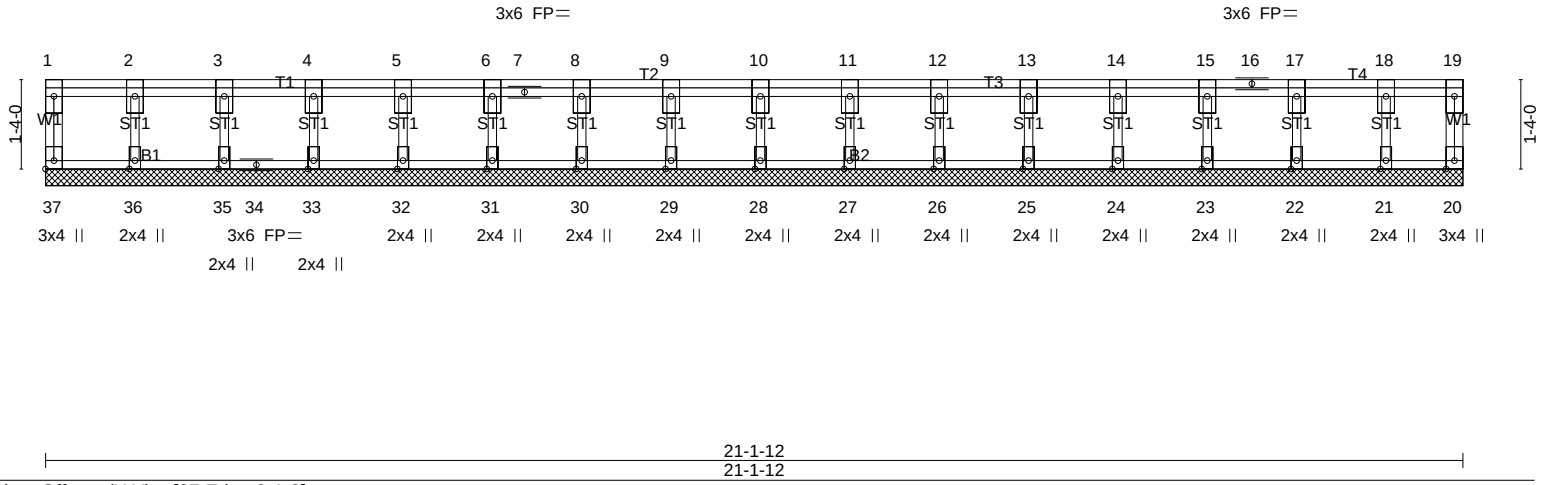

Plate Offsets (X,Y)-- [37:Edge,0-1-8]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	20	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 121 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.2(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 21-1-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 20 except 37=293(LC 1), 36=748(LC 1), 35=744(LC 1), 33=741(LC 1), 32=741(LC 1), 31=741(LC 1), 30=741(LC 1), 29=741(LC 1), 28=741(LC 1), 27=741(LC 1), 26=741(LC 1), 25=741(LC 1), 24=742(LC 1), 23=737(LC 1), 22=759(LC 1), 21=677(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-37=-287/0
WEBS 2-36=-735/0, 3-35=-730/0, 4-33=-727/0, 5-32=-728/0, 6-31=-728/0, 8-30=-728/0, 9-29=-728/0, 10-28=-728/0, 11-27=-728/0, 12-26=-728/0, 13-25=-728/0, 14-24=-729/0, 15-23=-724/0, 17-22=-745/0, 18-21=-669/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 20-37=-10, 1-19=-546

Job	Truss	Truss Type	Qty	Ply	
413220	F28	Floor Supported Gable	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:26 2019 Page 1
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0-1-8

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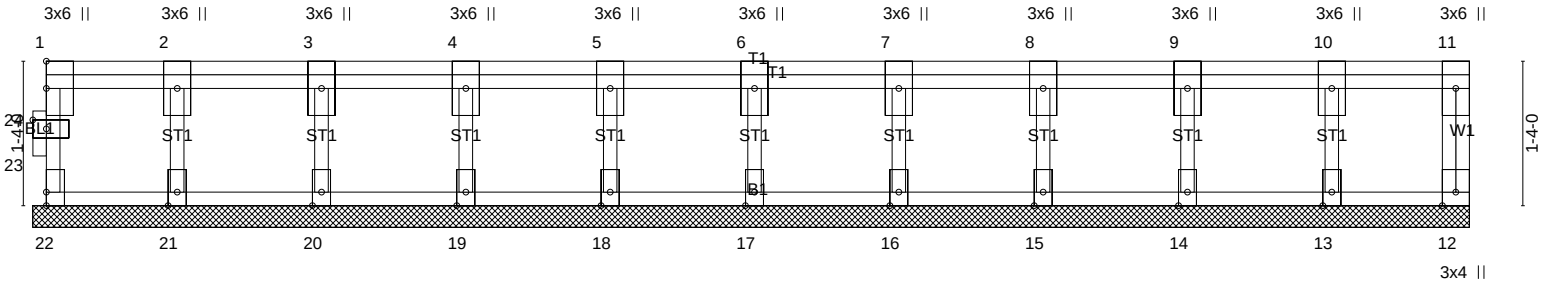

13-3-4
13-3-4

Plate Offsets (X,Y)-- [23:0-1-8,0-1-0]

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	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.15	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 76 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.2(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 13-3-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 22=414(LC 1), 12=415(LC 1), 21=1130(LC 1), 20=1150(LC 1), 19=1139(LC 1), 18=1142(LC 1), 17=1141(LC 1), 16=1142(LC 1), 15=1139(LC 1), 14=1151(LC 1), 13=1129(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 22-23=-402/0, 23-24=-402/0, 1-24=-402/0, 11-12=-411/0
WEBS 2-21=-1126/0, 3-20=-1135/0, 4-19=-1126/0, 5-18=-1128/0, 6-17=-1128/0, 7-16=-1129/0, 8-15=-1126/0, 9-14=-1138/0, 10-13=-1114/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 2x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-22=-10, 1-11=-846

Job	Truss	Truss Type	Qty	Ply	
413220	F29	Floor	7	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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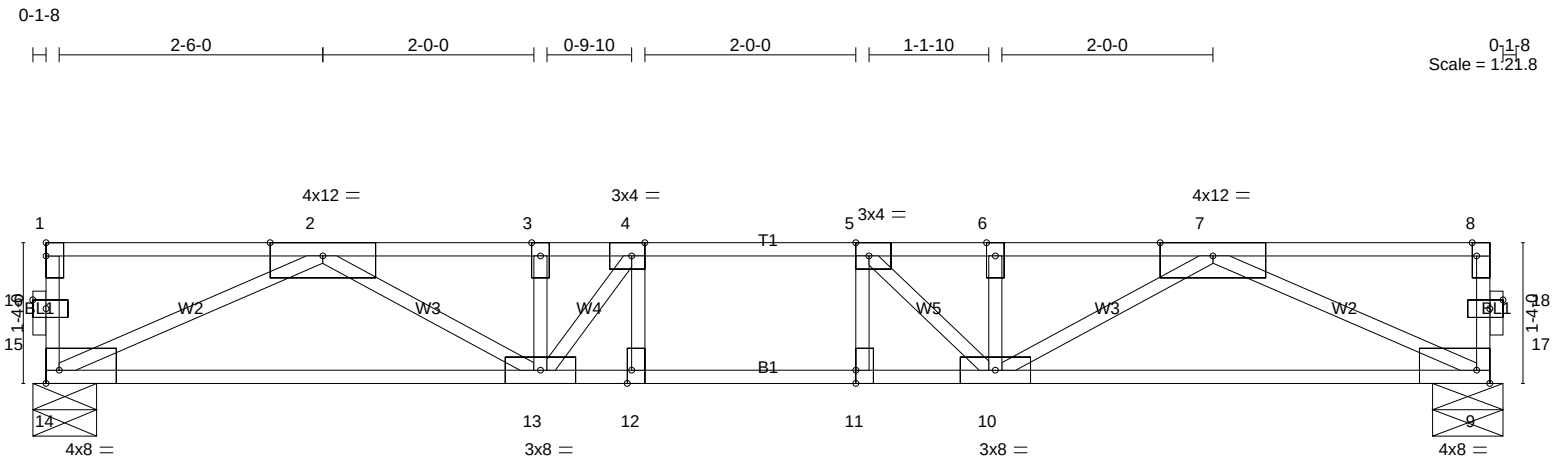

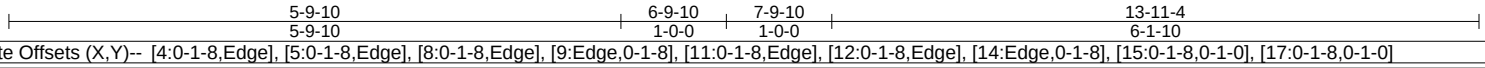

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [9:Edge,0-1-8], [11:0-1-8,Edge], [12:0-1-8,Edge], [14:Edge,0-1-8], [15:0-1-8,0-1-0], [17:0-1-8,0-1-0]

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	0.95	Vert(LL)	-0.10	10-11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.28	11	>590	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 71 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=1600/0-7-4 (min. 0-1-8), 9=1600/0-8-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4049/0, 3-4=-4049/0, 4-5=-4420/0, 5-6=-4061/0, 6-7=-4061/0
BOT CHORD 13-14=0/2850, 12-13=0/4420, 11-12=0/4420, 10-11=0/4420, 9-10=0/2850
WEBS 2-14=-3151/0, 2-13=0/1390, 3-13=-269/0, 4-13=-841/0, 7-9=-3151/0, 7-10=0/1404, 6-10=-346/0, 5-10=-722/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F30	Floor	7	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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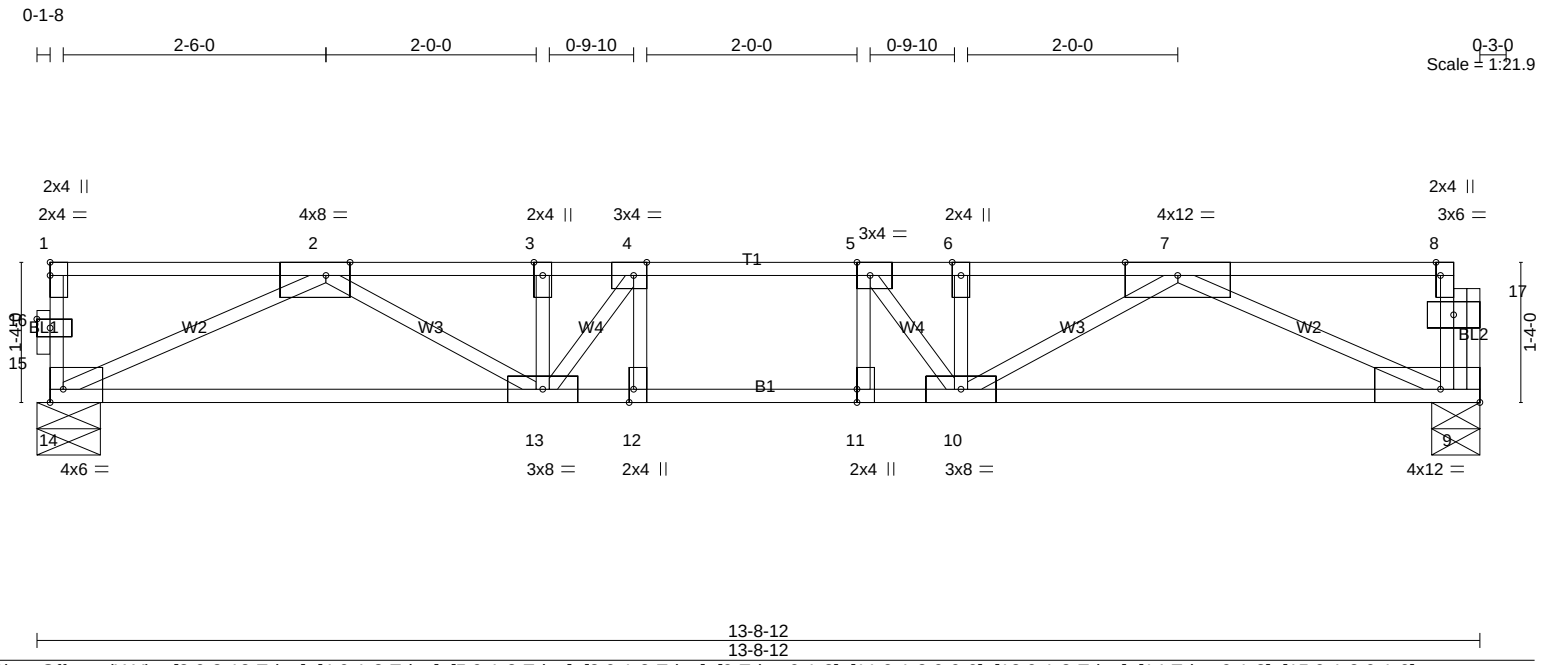

Plate Offsets (X,Y)-- [2:0-2-12,Edge], [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [9:Edge,0-1-8], [11:0-1-8,0-0-0], [12:0-1-8,Edge], [14:Edge,0-1-8], [15:0-1-8,0-1-0]

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	0.94	Vert(LL)	-0.09	10-11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.25	11-12	>635	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 72 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=1576/0-7-4 (min. 0-1-8), 9=1548/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3958/0, 3-4=-3958/0, 4-5=-4284/0, 5-6=-4010/0, 6-7=-4010/0
BOT CHORD 13-14=0/2798, 12-13=0/4284, 11-12=0/4284, 10-11=0/4284, 9-10=0/2895
WEBS 2-14=-3093/0, 7-9=-3147/0, 2-13=0/1344, 3-13=-280/0, 7-10=0/1293, 6-10=-296/0, 4-13=-767/0, 5-10=-693/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F31	Floor	6	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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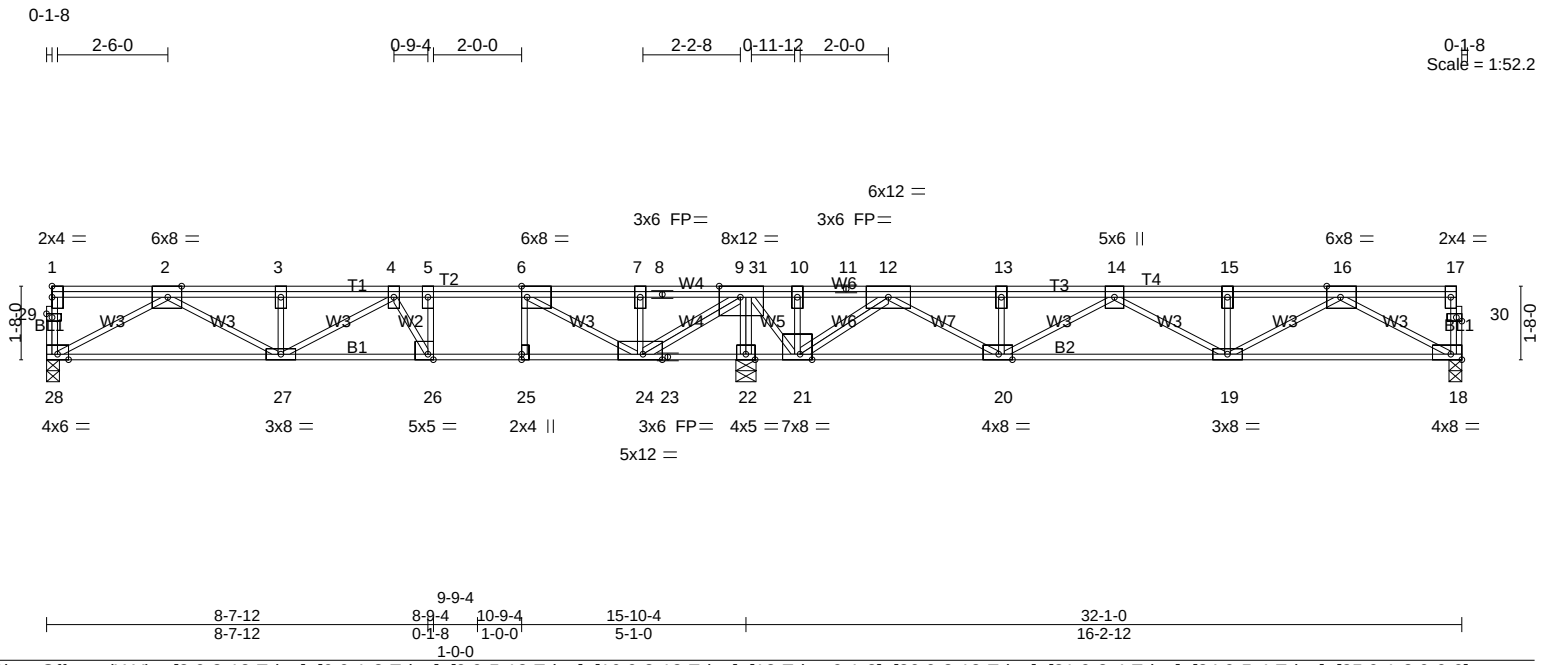

Plate Offsets (X,Y)-- [2:0-3-12,Edge], [6:0-1-8,Edge], [9:0-5-12,Edge], [16:0-3-12,Edge], [18:Edge,0-1-8], [20:0-3-12,Edge], [21:0-3-4,Edge], [24:0-5-4,Edge], [25:0-1-8,0-0-0], [26:0-1-8,Edge], [29:0-1-8,0-1-0], [30:0-1-8,0-1-0]

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	0.63	Vert(LL)	-0.11	26-27	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.32	26-27	>586	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.06	18	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 224 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat) *Except* T4,T3: 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except* W7,W5: 2x4 SP No.2(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. (lb/size) 28=1500/0-3-8 (min. 0-1-8), 22=4432/0-5-8 (min. 0-1-9), 18=1552/0-3-8 (min. 0-1-8)
Max Grav 28=1572(LC 3), 22=4432(LC 1), 18=1595(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3498/0, 3-4=-3498/0, 4-5=-2805/0, 5-6=-2805/0, 6-7=-42/1080, 7-8=-32/1082, 8-9=-32/1082, 9-31=0/1879, 10-31=0/1879, 10-11=0/1886, 11-12=0/1886, 12-13=-2813/0, 13-14=-2813/0, 14-15=-3572/0, 15-16=-3572/0
BOT CHORD 27-28=0/2334, 26-27=0/3544, 25-26=0/2805, 24-25=0/2805, 23-24=-3342/0, 22-23=-3342/0, 21-22=-3591/0, 20-21=-79/815, 19-20=0/3692, 18-19=0/2376
WEBS 5-26=0/1475, 9-22=-4367/0, 2-28=-2667/0, 2-27=0/1344, 3-27=-560/0, 4-26=-1826/0, 6-24=-3377/0, 7-24=-288/45, 9-24=0/3239, 16-18=-2716/0, 16-19=0/1381, 15-19=-565/0, 14-20=-1102/0, 13-20=-576/0, 12-20=0/2380, 12-21=-2931/0, 9-21=0/2573

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F32	Floor	3	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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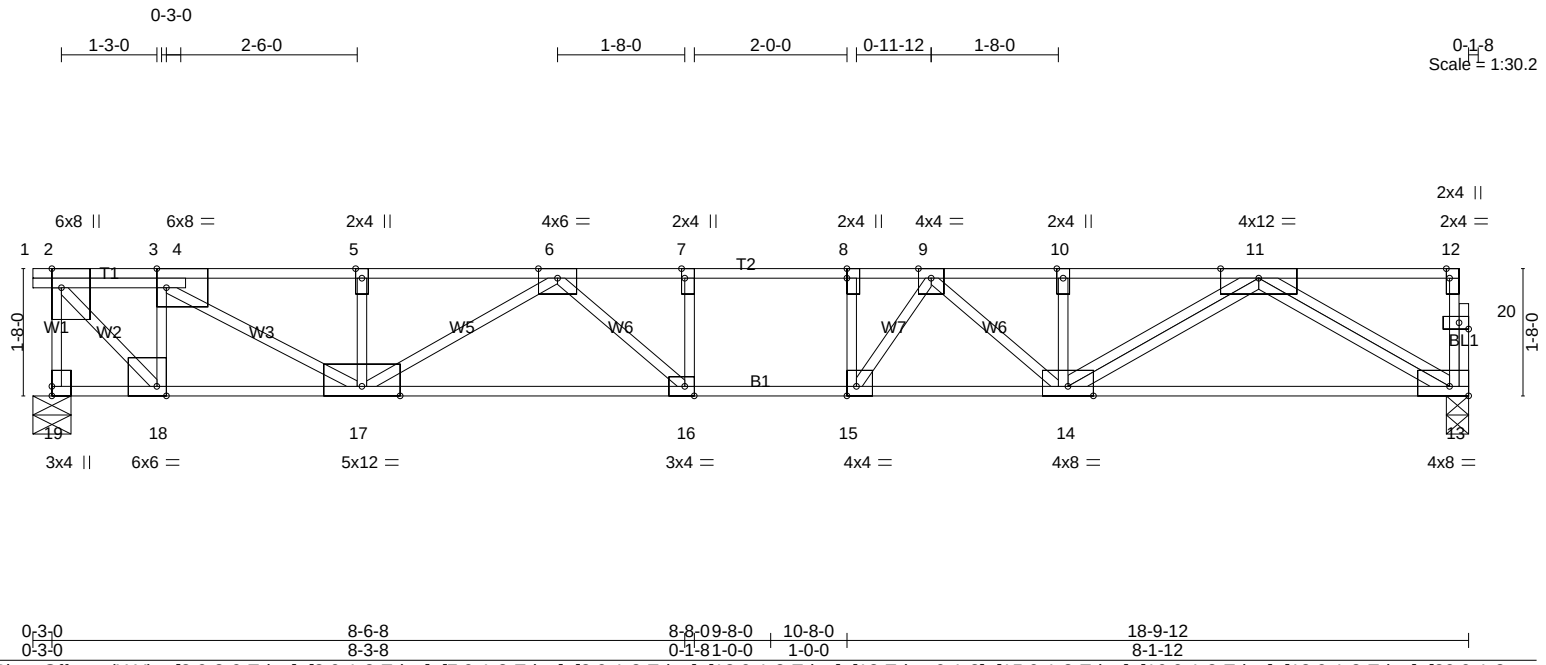

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [3:0-1-8,Edge], [7:0-1-8,Edge], [8:0-1-8,Edge], [12:0-1-8,Edge], [13:Edge,0-1-8], [15:0-1-8,Edge], [16:0-1-8,Edge], [18:0-1-8,Edge], [20:0-1-8,0-1-0]

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)	-0.19	16-17	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.48	16-17	>459	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.09	13	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 112 lb	FT = 5%F, 0%E

LUMBER-

TOP CHORD	2x4 SP M 31(flat) *Except* T1: 2x4 SP No.2(flat)
BOT CHORD	2x4 SP M 31(flat)
WEBS	2x4 SP No.3(flat) *Except* W2,W3: 2x4 SP No.2(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-8-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 19=2239/0-6-0 (min. 0-1-8), 13=2154/0-3-8 (min. 0-1-8)

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

TOP CHORD	2-19=-2233/0, 2-3=-1807/0, 3-4=-4434/0, 4-5=-4466/0, 5-6=-4466/0, 6-7=-6403/0, 7-8=-6403/0, 8-9=-6403/0, 9-10=-5258/0, 10-11=-5233/0
BOT CHORD	17-18=0/1807, 16-17=0/5969, 15-16=0/6403, 14-15=0/6066, 13-14=0/3246
WEBS	3-18=-1926/0, 2-18=0/2655, 7-16=-480/0, 8-15=-637/0, 3-17=0/3052, 5-17=-553/0, 6-17=-1754/0, 6-16=0/856, 11-13=-3754/0, 11-14=0/2339, 10-14=-501/0, 9-14=-1071/0, 9-15=0/897

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F32A	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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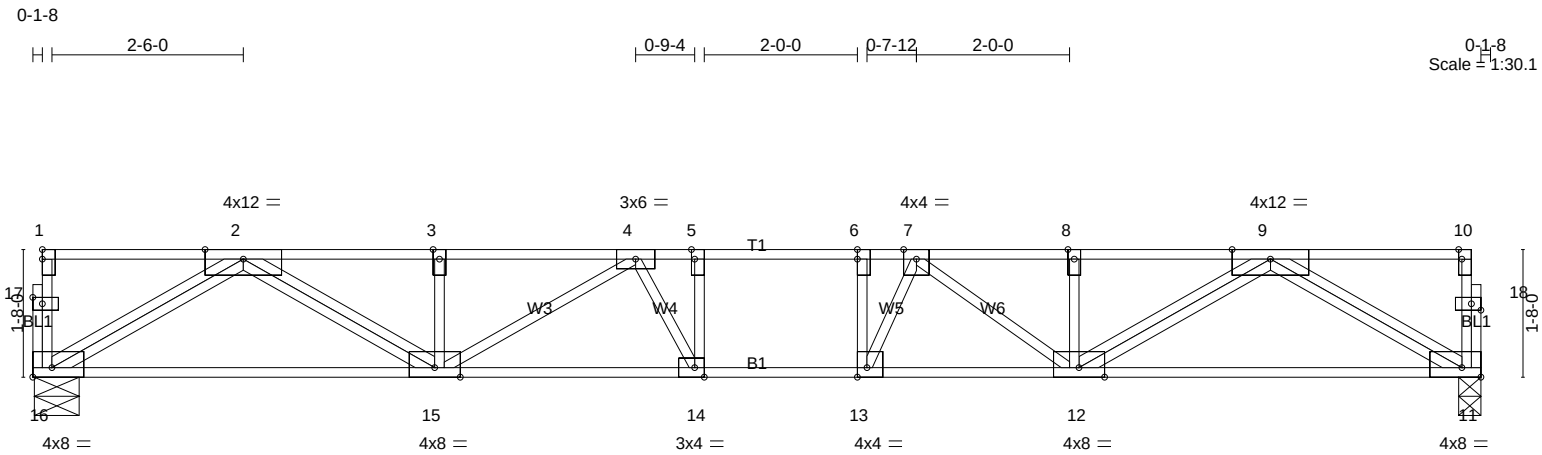

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,0-0-0], [10:0-1-8,Edge], [11:Edge,0-1-8], [13:0-1-8,Edge], [14:0-1-8,Edge], [16:Edge,0-1-8], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

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	0.79	Vert(LL)	-0.17	14-15	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.48	14-15	>471	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.11	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 119 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=2189/0-7-0 (min. 0-1-8), 11=2189/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5386/0, 3-4=-5410/0, 4-5=-6601/0, 5-6=-6601/0, 6-7=-6601/0, 7-8=-5385/0, 8-9=-5359/0
BOT CHORD 15-16=0/3303, 14-15=0/6509, 13-14=0/6601, 12-13=0/6357, 11-12=0/3303
WEBS 5-14=-448/44, 6-13=-733/0, 2-16=-3820/0, 2-15=0/2448, 3-15=-579/0, 4-15=-1278/0, 4-14=-126/576, 9-11=-3820/0, 9-12=0/2418, 8-12=-531/0, 7-12=-1227/0, 7-13=0/928

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F33	Floor	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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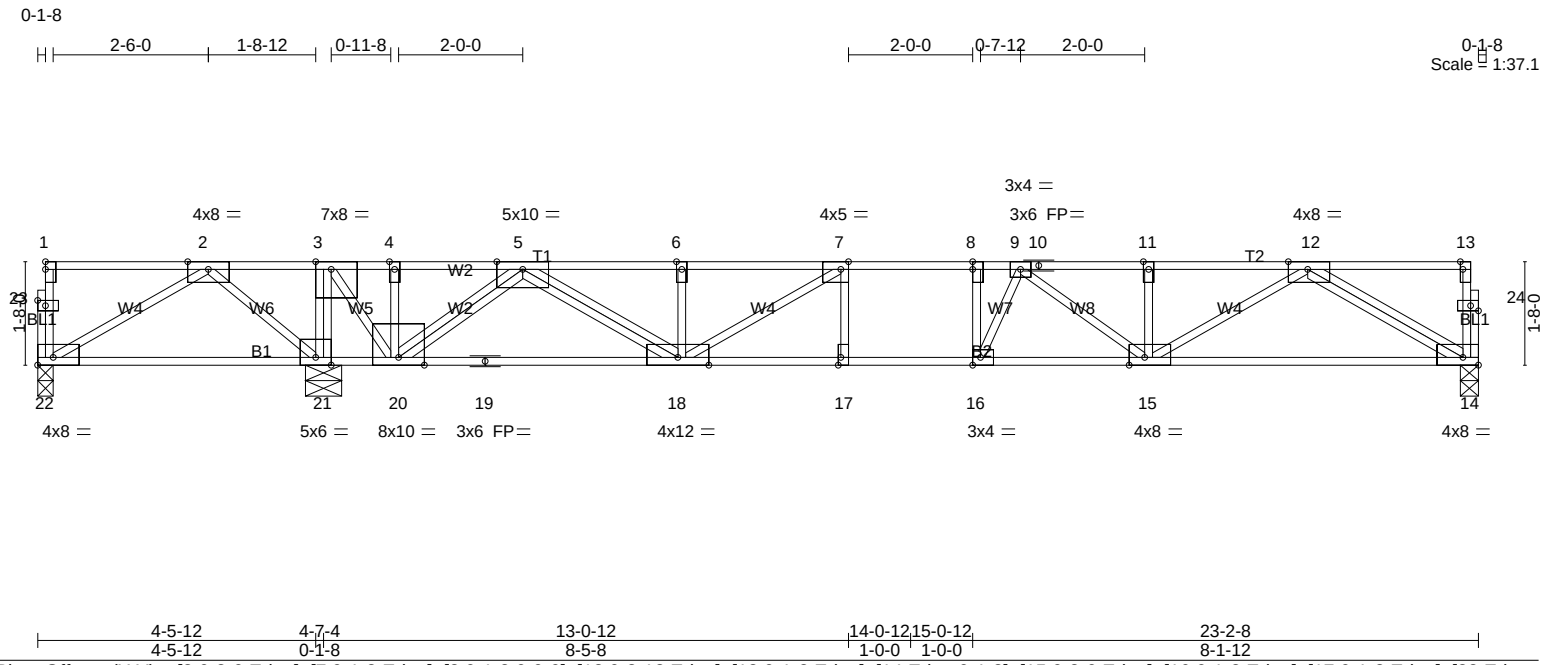

Plate Offsets (X,Y)-- [3:0-3-0,Edge], [7:0-1-8,Edge], [8:0-1-8,0-0-0], [12:0-3-12,Edge], [13:0-1-8,Edge], [14:Edge,0-1-8], [15:0-3-0,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge], [22:Edge,0-1-8], [23:0-1-8,0-1-0], [24:0-1-8,0-1-0]

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	0.68	Vert(LL)	-0.16	15-16	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.43	15-16	>515	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.05	14	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 140 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.2(flat) *Except*
B2: 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except*
W5: 2x4 SP No.2(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, Except:
6-0-0 oc bracing: 21-22,20-21.

REACTIONS. (lb/size) 22=-659/0-3-0 (min. 0-1-8), 14=1882/0-3-8 (min. 0-1-8), 21=4167/0-7-0 (min. 0-2-2)
Max Uplift22=-824(LC 4)
Max Grav14=1884(LC 4), 21=4167(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/3374, 3-4=0/1660, 4-5=0/1675, 5-6=-3291/0, 6-7=-3313/0, 7-8=-4820/0, 8-9=-4820/0, 9-10=-4405/0, 10-11=-4405/0, 11-12=-4405/0
BOT CHORD 21-22=-1679/0, 20-21=-3374/0, 19-20=0/1037, 18-19=0/1037, 17-18=0/4820, 16-17=0/4820, 15-16=0/4896, 14-15=0/2741
WEBS 3-21=-2602/0, 2-22=0/1954, 2-21=-2377/0, 7-18=-1774/0, 6-18=-578/0, 5-18=0/2657, 5-20=-3232/0, 4-20=-332/0, 3-20=0/2945, 12-14=-3189/0, 12-15=0/1929, 11-15=-519/0, 9-15=-645/0, 9-16=-378/161

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 824 lb uplift at joint 22.
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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F34	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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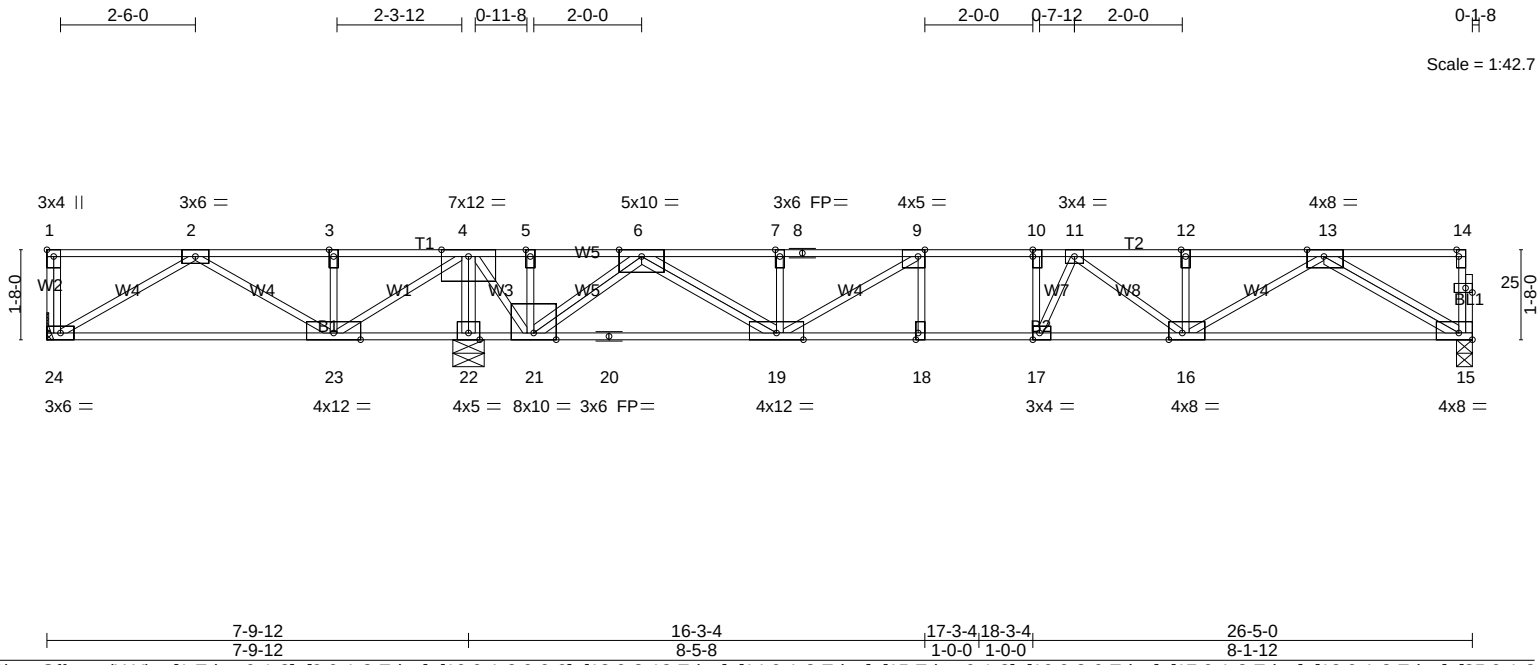

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-1-8,Edge], [10:0-1-8,0-0-0], [13:0-3-12,Edge], [14:0-1-8,Edge], [15:Edge,0-1-8], [16:0-3-0,Edge], [17:0-1-8,Edge], [18:0-1-8,Edge], [25:0-1-8,0-1-0]

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	0.69	Vert(LL)	-0.16	16-17	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.43	16-17	>514	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.05	15	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 157 lb	FT = 5%F, 0%E

LUMBER-

TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.2(flat) *Except*
B2: 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat) *Except*
W1,W3: 2x4 SP No.2(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. (lb/size) 24=231/Mechanical, 15=1885/0-3-8 (min. 0-1-8), 22=4046/0-7-0 (min. 0-2-1)
Max Uplift24=-61(LC 4)
Max Grav24=443(LC 3), 15=1892(LC 4), 22=4046(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/1505, 3-4=0/1505, 4-5=0/1636, 5-6=0/1648, 6-7=-3354/0, 7-8=-3376/0, 8-9=-3376/0, 9-10=-4865/0, 10-11=-4865/0, 11-12=-4430/0, 12-13=-4430/0
BOT CHORD 23-24=-398/316, 22-23=-3279/0, 21-22=-3334/0, 20-21=0/1114, 19-20=0/1114, 18-19=0/4865, 17-18=0/4865, 16-17=0/4933, 15-16=0/2754
WEBS 4-22=-4022/0, 2-24=-366/461, 2-23=-1352/0, 3-23=-553/0, 4-23=0/2436, 9-19=-1780/0, 7-19=-578/0, 6-19=0/2649, 6-21=-3239/0, 5-21=-287/0, 4-21=0/2919, 13-15=-3204/0, 13-16=0/1944, 12-16=-520/0, 11-16=-651/0, 11-17=-382/169

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 24.
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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F35	Floor	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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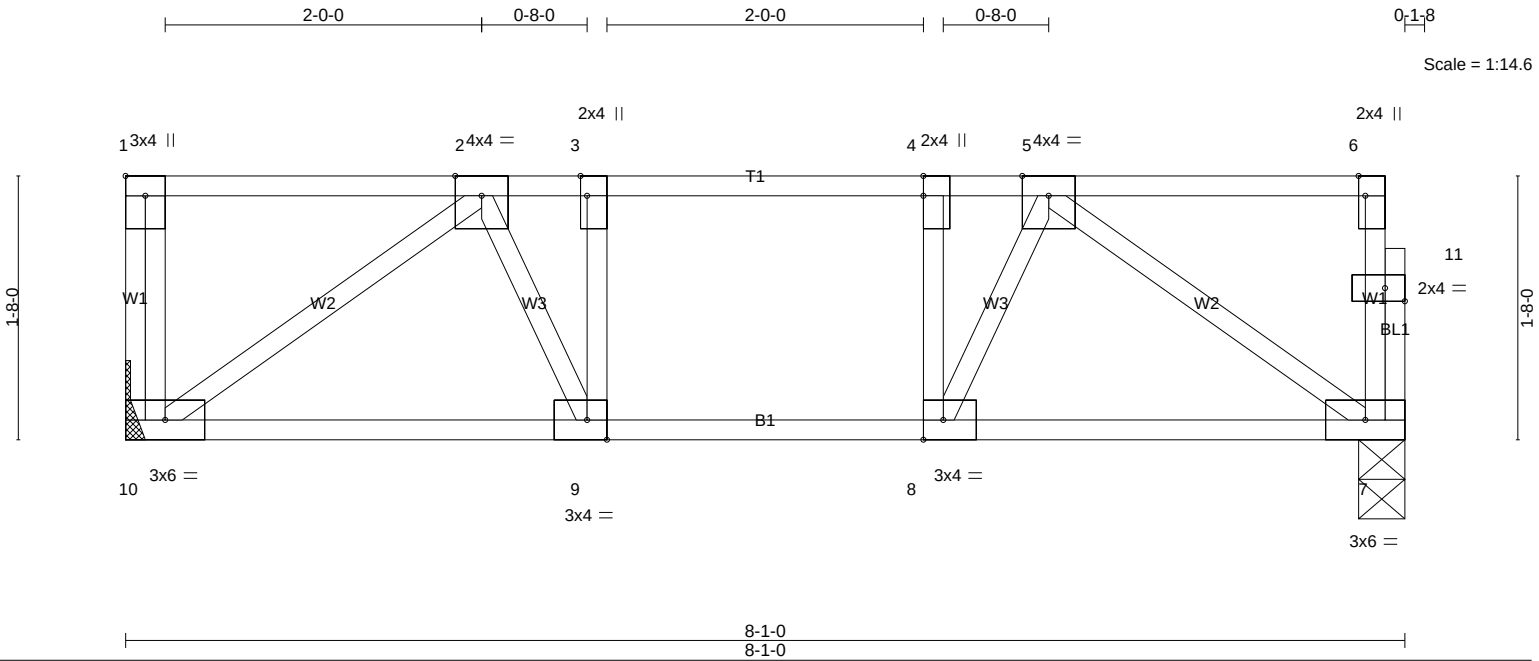

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,0-0-0], [6:0-1-8,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge], [11:0-1-8,0-1-0]

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	0.55	Vert(LL)	-0.03	7-8	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.04	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 48 lb	FT = 5%F, 0%E

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

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

REACTIONS. (lb/size) 10=924/Mechanical, 7=910/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1129/0, 3-4=-1129/0, 4-5=-1129/0
BOT CHORD 9-10=0/981, 8-9=0/1129, 7-8=0/977
WEBS 2-10=-1213/0, 5-7=-1197/0, 2-9=0/469, 5-8=0/476, 3-9=-380/0, 4-8=-387/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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	
413220	F36	Floor Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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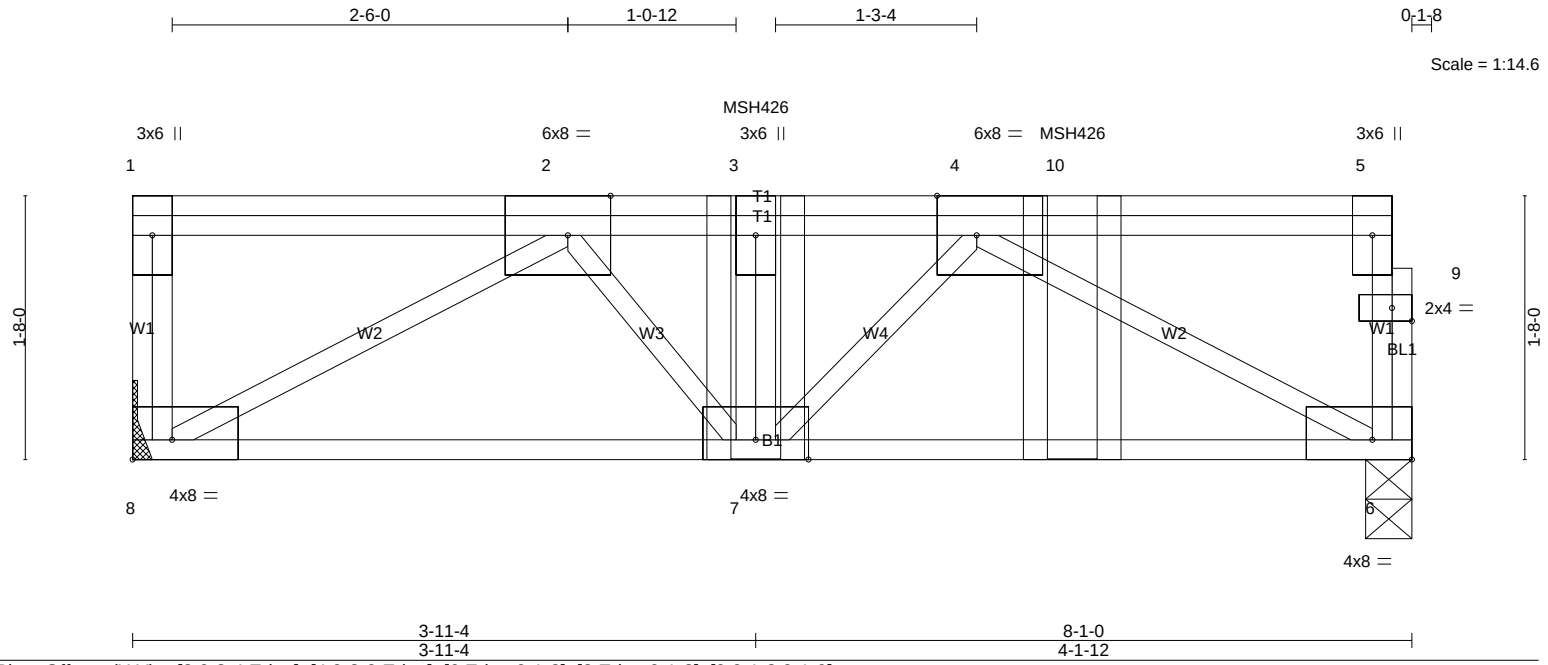

Plate Offsets (X,Y)-- [2:0-3-4,Edge], [4:0-3-0,Edge], [6:Edge,0-1-8], [8:Edge,0-1-8], [9:0-1-8,0-1-0]

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	0.41	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.08	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-P							Weight: 60 lb	FT = 5%F, 0%E

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

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

REACTIONS. (lb/size) 8=1800/Mechanical, 6=1839/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-257/0, 6-9=-279/0, 5-9=-279/0, 2-3=-3427/0, 3-4=-3424/0
BOT CHORD 7-8=0/2707, 6-7=0/2749
WEBS 3-7=-1569/0, 2-8=-3108/0, 2-7=0/1148, 4-6=-3141/0, 4-7=0/985

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) Plates checked for a plus or minus 0 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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.
6) Use USP MSH426 (With 16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-11-4 from the left end to 5-11-4 to connect truss(es) F37 (1 ply 2x4 SP), F38 (1 ply 2x4 SP) to front face of top chord.
7) Fill all nail holes where hanger is in contact with lumber.
8) 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-8=-10, 1-5=-226
Concentrated Loads (lb)
Vert: 3=-1605(F) 10=-199(F)

Job	Truss	Truss Type	Qty	Ply	
413220	F37	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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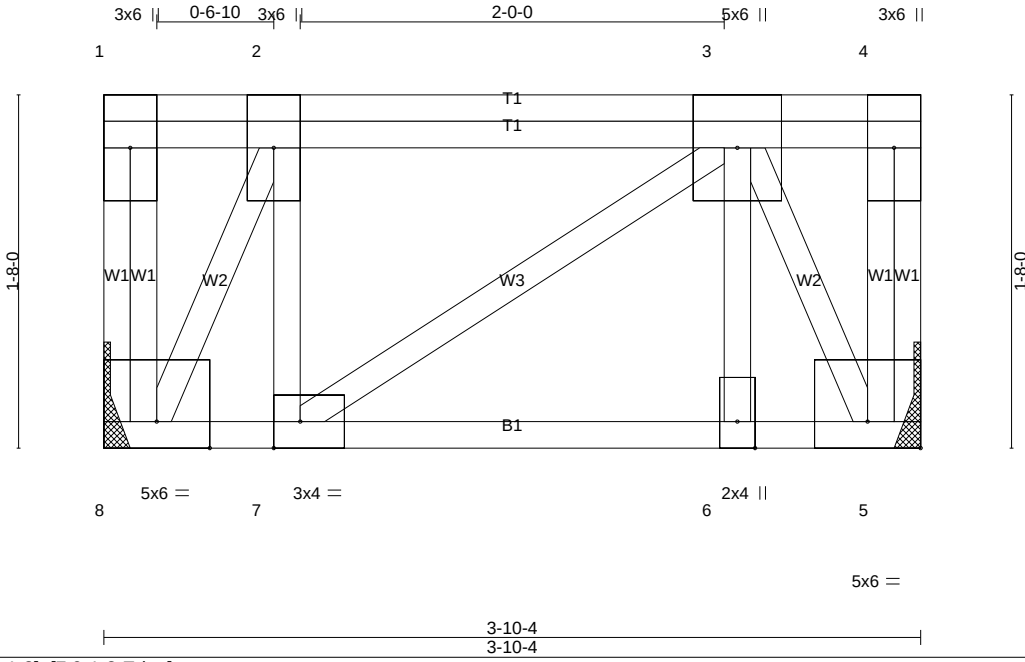

Scale = 1:10.9

Plate Offsets (X,Y)-- [5:Edge,0-1-8], [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	0.65	Vert(LL)	-0.00	7	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.33	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-P							Weight: 36 lb	FT = 5%F, 0%E

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

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

REACTIONS. (lb/size) 8=1831/Mechanical, 5=1831/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-921/0
BOT CHORD 7-8=0/921, 6-7=0/916, 5-6=0/916
WEBS 2-8=-2061/0, 3-5=-2049/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) Plates checked for a plus or minus 0 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
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) 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-1006(F=-780)

Job	Truss	Truss Type	Qty	Ply	
413220	F38	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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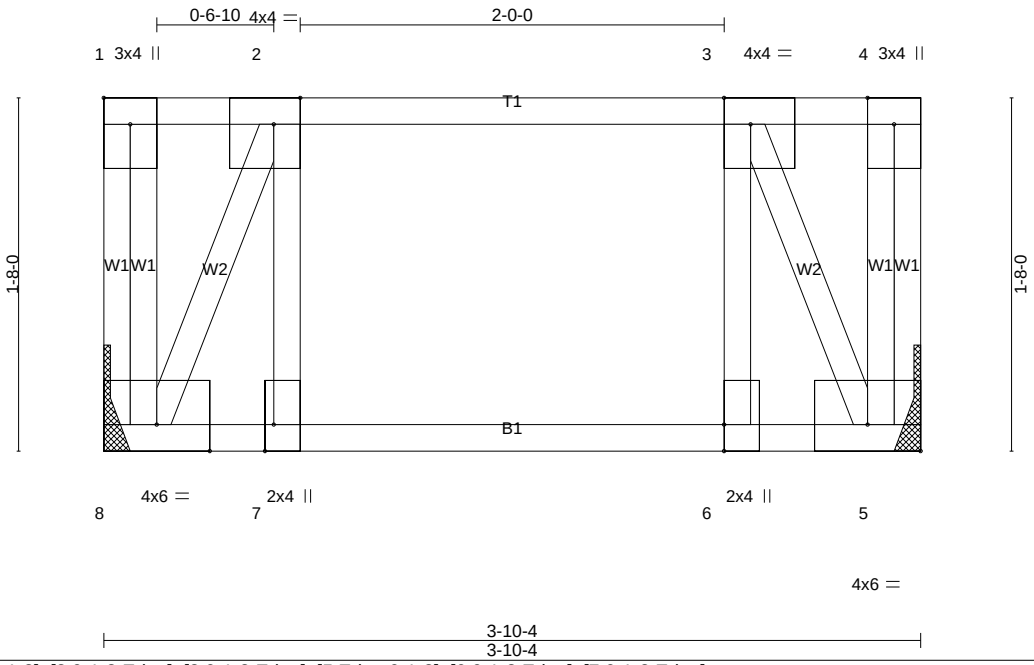

Scale = 1:10.9

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge], [5:Edge,0-1-8], [6:0-1-8,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	0.38	Vert(LL)	-0.00	6	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.00	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 29 lb	FT = 5%F, 0%E

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

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

REACTIONS. (lb/size) 8=425/Mechanical, 5=425/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-482/0, 3-5=-482/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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	
413220	F39	Floor Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler
Special

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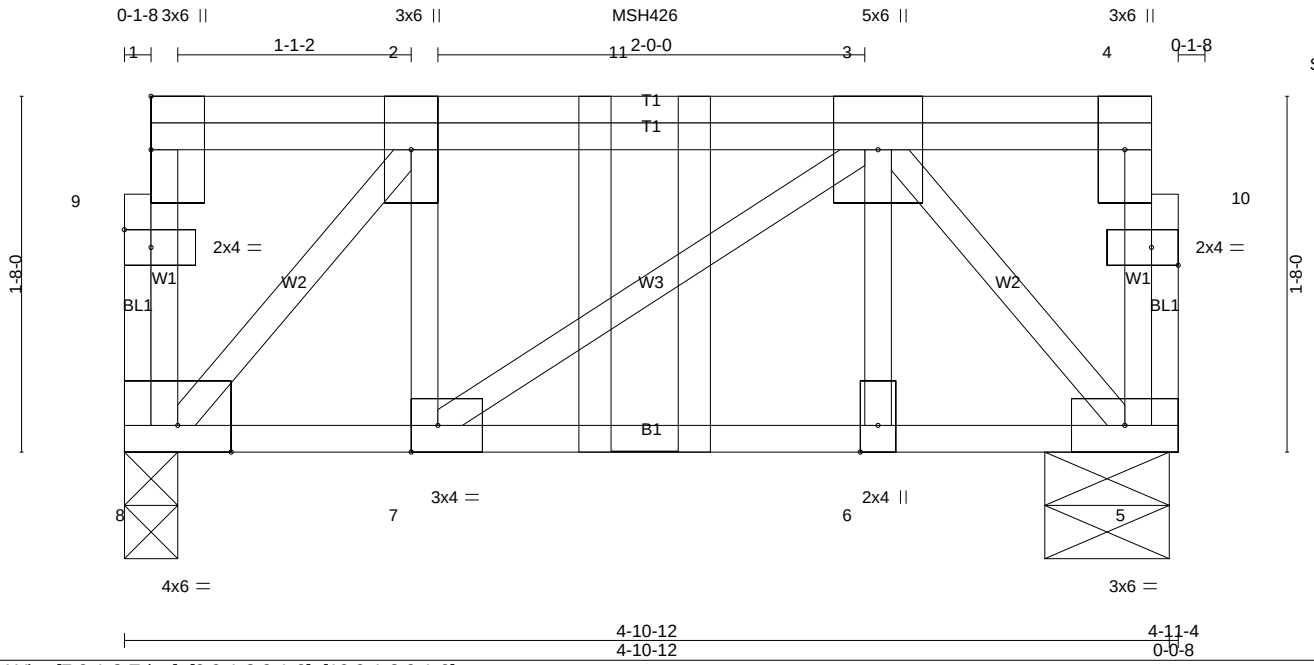

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [9:0-1-8,0-1-0], [10:0-1-8,0-1-0]

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	0.46	Vert(LL)	-0.00	7	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.19	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-P							Weight: 41 lb	FT = 5%F, 0%E

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

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

REACTIONS. (lb/size) 8=2307/0-3-0 (min. 0-1-8), 5=660/0-7-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-1739/0, 1-9=-1737/0, 2-11=-562/0, 3-11=-562/0
BOT CHORD 7-8=0/562, 6-7=0/518, 5-6=0/518
WEBS 2-8=-746/0, 3-5=-787/0

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) Plates checked for a plus or minus 0 degree rotation about its center.
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) Use USP MSH426 (With 16d nails into Girder & 6-16d nails into Truss) or equivalent at 2-5-4 from the left end to connect truss(es) F38 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1690 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-226
Concentrated Loads (lb)
Vert: 1=-1690(B) 11=-199(B)

Job	Truss	Truss Type	Qty	Ply	
413220	F40	Floor	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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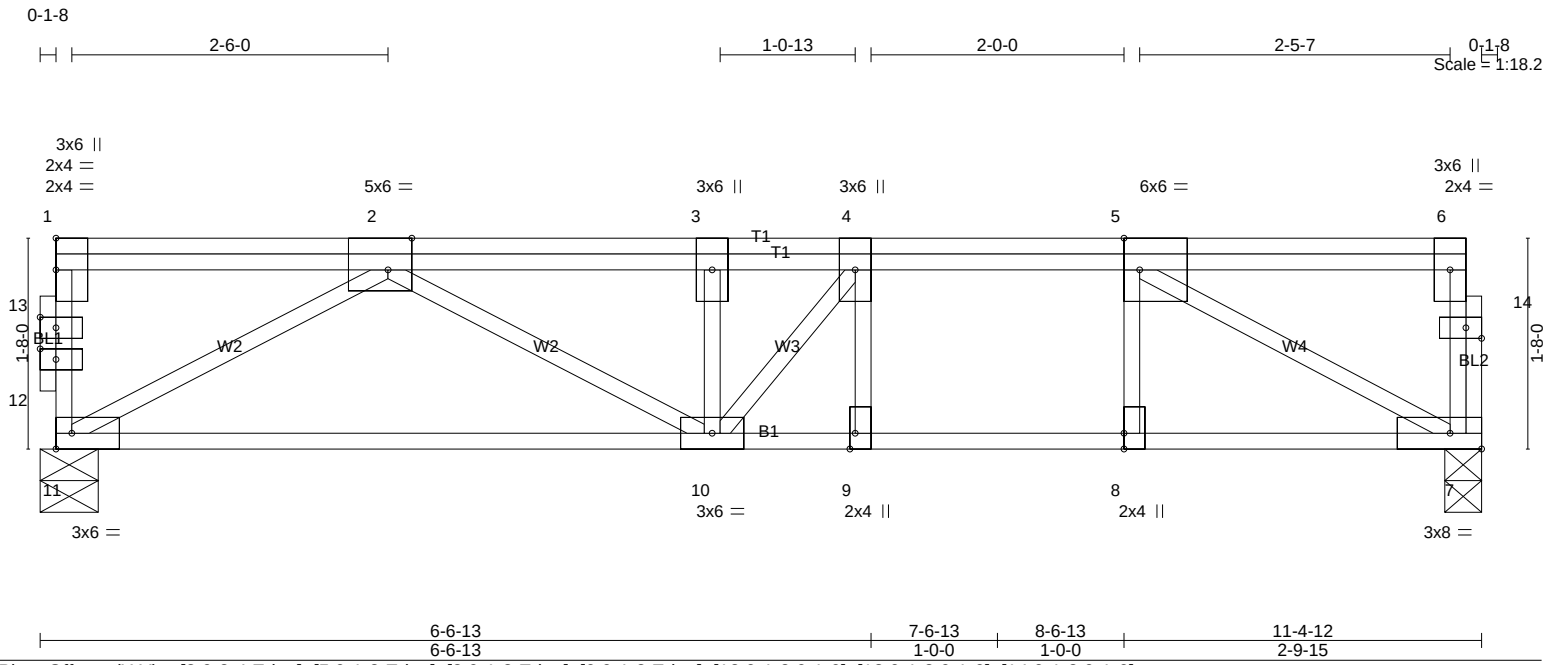

Plate Offsets (X,Y)-- [2:0-2-4,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge], [12:0-1-8,0-1-0], [13:0-1-8,0-1-0], [14:0-1-8,0-1-0]

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	0.81	Vert(LL)	-0.07	9-10	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.18	9-10	>726	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 77 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31(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=1294/0-3-8 (min. 0-1-8), 11=1308/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2527/0, 3-4=-2527/0, 4-5=-2098/0
BOT CHORD 10-11=0/1819, 9-10=0/2098, 8-9=0/2098, 7-8=0/2098
WEBS 2-11=-2100/0, 2-10=0/818, 3-10=-824/0, 4-10=0/771, 5-7=-2398/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F41	Floor	3	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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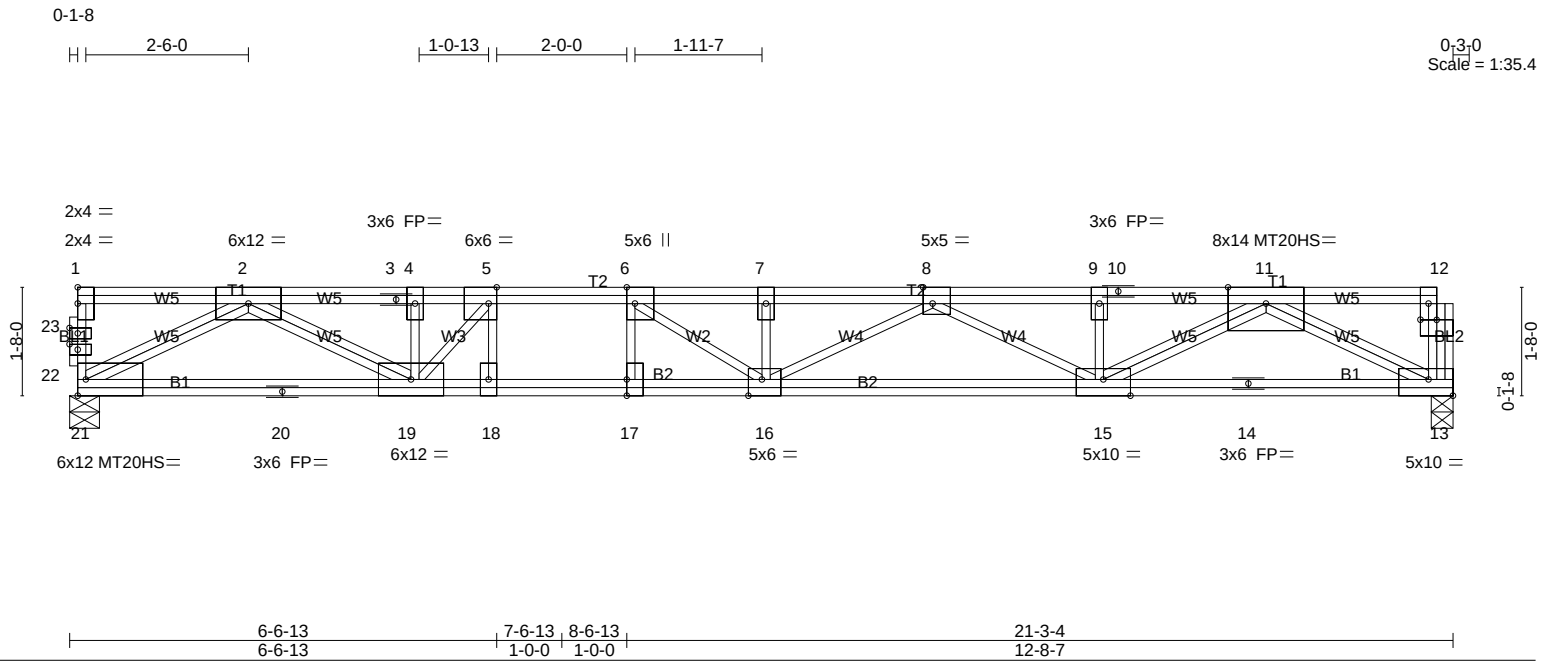

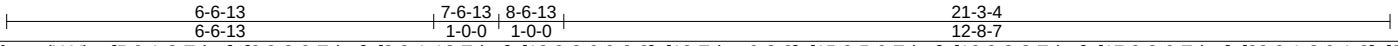

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-3-0,Edge], [8:0-1-12,Edge], [12:0-3-0,0-0-0], [13:Edge,0-3-0], [15:0-5-0,Edge], [16:0-2-8,Edge], [17:0-3-0,Edge], [22:0-1-8,0-1-0], [23:0-1-8,0-1-0]

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	0.48	Vert(LL)	-0.18	16-17	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.52	16-17	>481	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.08	13	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 188 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except* T2: 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* B2: 2x4 SP M 31(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) 21=2466/0-5-8 (min. 0-1-8), 13=2466/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-252/0, 2-3=-6588/0, 3-4=-6588/0, 4-5=-6587/0, 5-6=-8247/0, 6-7=-9182/0, 7-8=-9182/0, 8-9=-6849/0, 9-10=-6819/0, 10-11=-6819/0
BOT CHORD 20-21=0/3983, 19-20=0/3983, 18-19=0/8247, 17-18=0/8247, 16-17=0/8247, 15-16=0/8531, 14-15=0/4144, 13-14=0/4144
WEBS 5-18=0/758, 6-17=-586/0, 2-21=-4551/0, 2-19=0/3007, 5-19=-2625/0, 11-13=-4685/0, 11-15=0/3077, 9-15=-575/0, 8-15=-1910/0, 8-16=0/768, 7-16=-791/0, 6-16=0/1342

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) Plates checked for a plus or minus 0 degree rotation about its center.
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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	F42	Floor	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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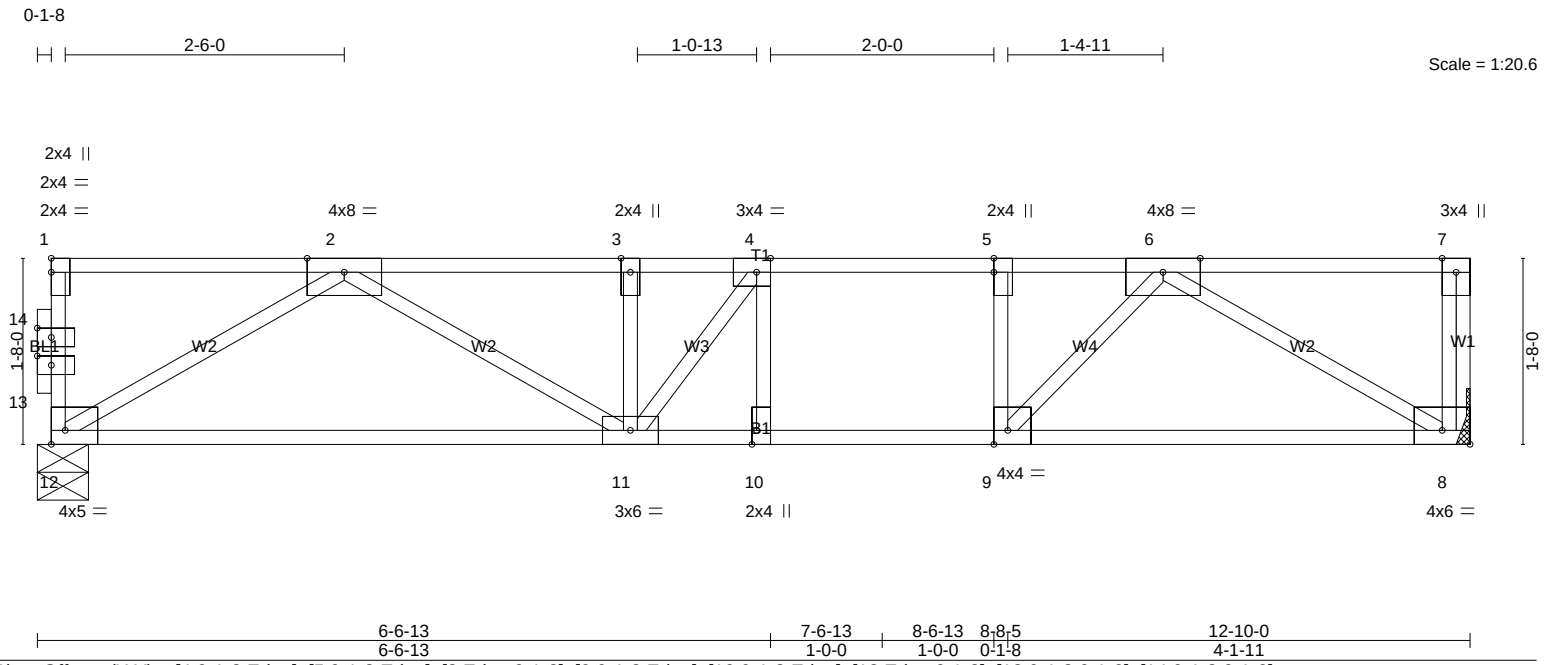

6-6-13	7-6-13	8-6-13	8-8-5	12-10-0
6-6-13	1-0-0	1-0-0	0-1-8	4-1-11

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [8:Edge,0-1-8], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:Edge,0-1-8], [13:0-1-8,0-1-0], [14:0-1-8,0-1-0]

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	0.59	Vert(LL)	-0.10	10-11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.26	10-11	>578	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 70 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(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) 8=1477/Mechanical, 12=1477/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-258/0, 2-3=-2979/0, 3-4=-2979/0, 4-5=-2831/0, 5-6=-2831/0
BOT CHORD 11-12=0/2042, 10-11=0/2831, 9-10=0/2831, 8-9=0/2080
WEBS 4-10=-301/0, 5-9=-661/0, 2-12=-2384/0, 2-11=0/1093, 3-11=-600/0, 4-11=-67/384, 6-8=-2413/0, 6-9=0/1178

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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	
413220	F43	FLOOR	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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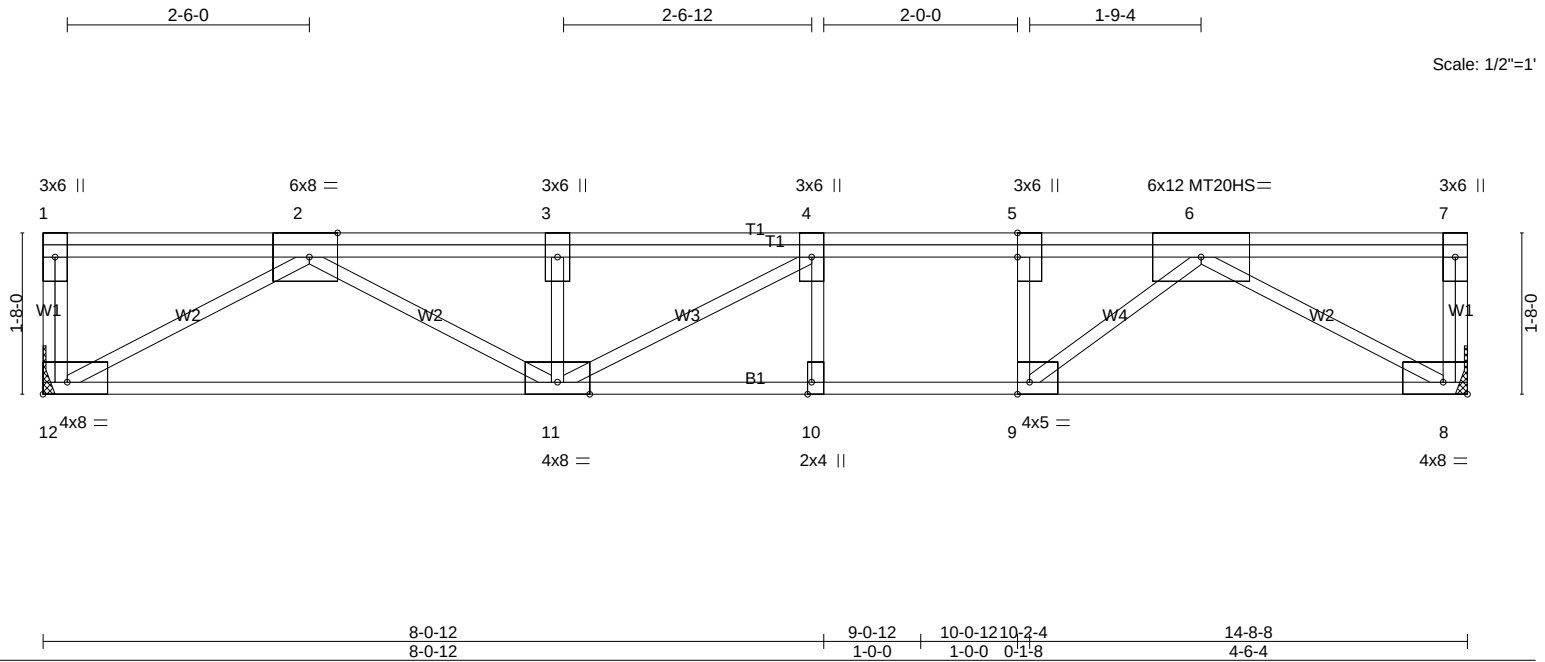

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [5:0-3-0,0-0-0], [8:Edge,0-1-8], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:Edge,0-1-8]

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	0.40	Vert(LL)	-0.09	10-11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.27	10-11	>643	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.05	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 99 lb	FT = 5%F, 0%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(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=1706/Mechanical, 8=1706/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-260/0, 7-8=-289/0, 2-3=-3985/0, 3-4=-3985/0, 4-5=-3894/0, 5-6=-3894/0
BOT CHORD 11-12=0/2531, 10-11=0/3894, 9-10=0/3894, 8-9=0/2498
WEBS 5-9=-1047/0, 2-12=-2906/0, 2-11=0/1679, 3-11=-832/0, 4-11=-223/271, 6-8=-2868/0, 6-9=0/1860

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are MT20 plates unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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	
413220	F44	Floor	9	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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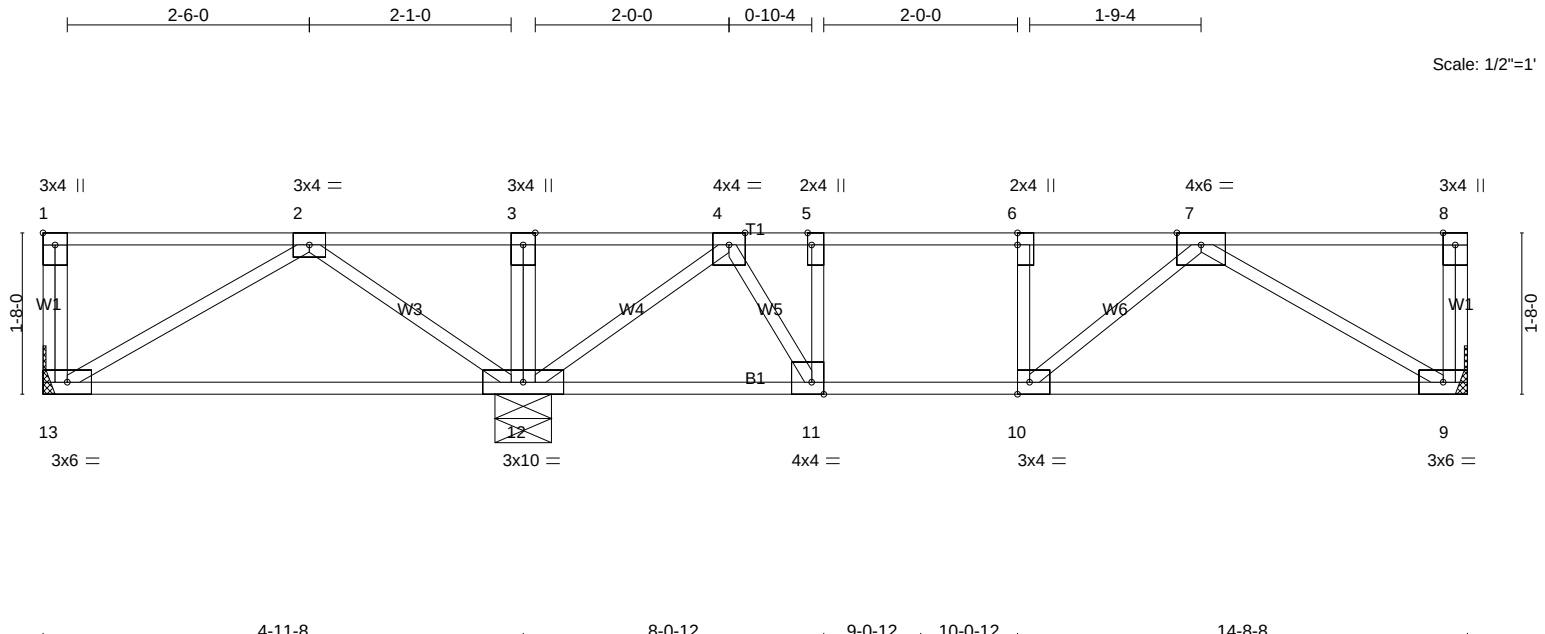

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [10:0-1-8,Edge], [11:0-1-8,Edge]

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	0.96	Vert(LL)	-0.06	9-10	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.20	9-10	>577	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 82 lb	FT = 5%F, 0%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 13=667/Mechanical, 9=1185/Mechanical, 12=1560/0-7-0 (min. 0-1-8)
Max Grav13=724(LC 8), 9=1188(LC 4), 12=1616(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-536/0, 3-4=-537/0, 4-5=-1883/0, 5-6=-1883/0, 6-7=-1883/0
BOT CHORD 12-13=0/787, 11-12=0/1516, 10-11=0/1883, 9-10=0/1568
WEBS 5-11=-571/0, 6-10=-270/0, 3-12=-489/0, 2-13=-912/0, 2-12=-547/0, 4-12=-1400/0, 7-9=-1818/0, 7-10=0/419, 4-11=0/751

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
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	
413220	FG1	FLOOR	1	3	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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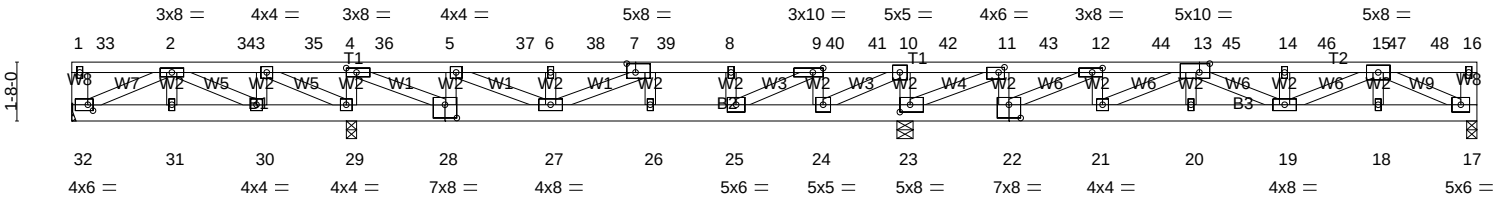
2-10-1	5-4-11	7-11-4	10-9-3	13-7-1	16-5-0	18-8-8	21-2-2	23-7-12	26-5-6	29-1-4	31-9-2	34-5-0	37-0-14	39-10-8
2-10-1	2-6-9	2-6-9	2-9-15	2-9-15	2-9-15	2-3-8	2-5-10	2-5-10	2-9-10	2-7-14	2-7-14	2-7-14	2-7-14	2-9-10

Scale = 1:65.4



2-10-1	5-4-11	7-11-4	10-9-3	13-7-1	16-5-0	18-8-8	21-2-2	23-7-12	26-5-6	29-1-4	31-9-2	34-5-0	37-0-14	39-10-8
2-10-1	2-6-9	2-6-9	2-9-15	2-9-15	2-9-15	2-3-8	2-5-10	2-5-10	2-9-10	2-7-14	2-7-14	2-7-14	2-7-14	2-9-10

Plate Offsets (X,Y)-- [4:0-3-8,0-1-8], [7:0-3-0,0-3-0], [9:0-3-8,0-1-8], [11:0-2-0,0-1-12], [12:0-3-8,0-1-8], [13:0-3-8,0-3-0], [22:0-4-0,0-4-8], [23:0-3-8,0-2-8], [28:0-4-0,0-4-8], [32:0-1-12,0-2-0]

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	0.67	Vert(LL)	-0.07	20	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.20	19-20	>962	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.02	17	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 685 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except* T2: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2 *Except* W8: 2x6 SP No.2

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 0-3-8 except (jt=length) 32=Mechanical, 23=0-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 32=1045(LC 5), 17=3521(LC 5), 29=7500(LC 3), 23=10979(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-32=-653/0, 2-34=0/2280, 3-34=0/2280, 3-35=0/5914, 4-35=0/5914, 5-37=-4558/0, 6-37=-4558/0, 6-38=-4558/0, 7-38=-4558/0, 7-39=-3549/0, 8-39=-3549/0, 8-40=-3549/0, 9-40=-3549/0, 9-41=0/3986, 10-41=0/3986, 10-42=0/9785, 11-42=0/9785, 11-43=-794/151, 12-43=-794/151, 12-44=-6606/0, 13-44=-6606/0, 13-45=-8649/0, 14-45=-8649/0, 14-46=-8649/0, 46-47=-8649/0, 15-47=-8649/0, 15-48=-362/0, 16-48=-362/0, 16-17=-616/0
BOT CHORD 31-32=0/805, 30-31=0/805, 29-30=-2280/0, 28-29=-5914/0, 27-28=0/535, 26-27=0/3992, 25-26=0/3549, 24-25=-3986/0, 23-24=-9785/0, 22-23=-377/535, 21-22=0/6606, 20-21=0/9188, 19-20=0/9181, 18-19=0/5727, 17-18=0/5727
WEBS 2-32=-710/73, 2-30=-2663/0, 3-30=0/787, 3-29=-4444/0, 4-29=-4621/0, 4-28=0/6591, 5-28=-3397/0, 5-27=0/4459, 6-27=-1602/0, 7-27=0/1046, 7-26=-1608/0, 8-25=-1900/0, 9-25=0/7616, 9-24=-4469/0, 10-24=0/6886, 10-23=-5086/0, 11-23=-10781/0, 11-22=0/2342, 12-22=-6669/0, 12-21=0/1396, 13-21=-2941/0, 13-19=-603/0, 14-19=-1256/0, 15-19=0/3249, 15-17=-6004/0

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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) All plates are 2x4 MT20 unless otherwise indicated.
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

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: 1-16=-326, 17-32=-10

Concentrated Loads (lb)

Vert: 2=-320 5=-472 8=-472 12=-373 33=-326 34=-391 35=-472 36=-472 37=-472 38=-472 39=-472 40=-472 41=-472 42=-472 43=-1483 44=-392 45=-402 46=-396 47=-323 48=-326

Job	Truss	Truss Type	Qty	Ply	
413220	FG2	FLOOR	1	3	Job Reference (optional)

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2-4-1	4-6-7	6-4-12	8-11-1	11-1-7	13-4-0	13-5-8
2-4-1	2-2-5	1-10-5	2-6-5	2-2-5	2-2-9	0-1-8

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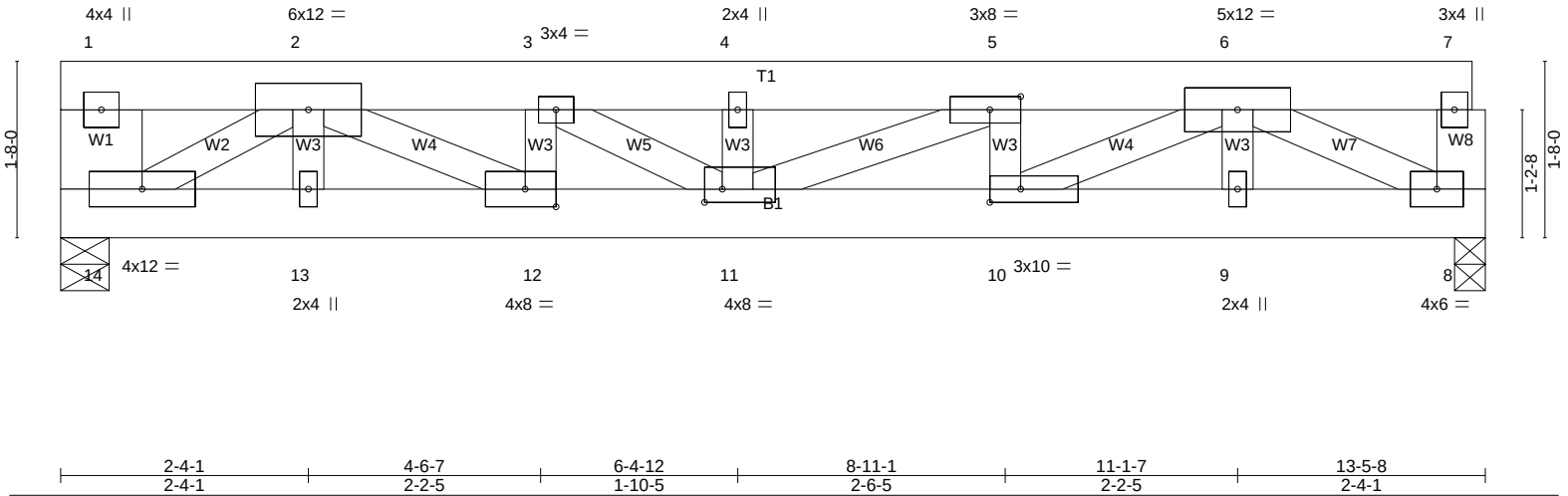

2-4-1	4-6-7	6-4-12	8-11-1	11-1-7	13-5-8
2-4-1	2-2-5	1-10-5	2-6-5	2-2-5	2-4-1

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

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)	-0.08	11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.26	11	>603	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 271 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2 *Except*
W1: 2x10 SP No.2, W8: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=15535/0-5-8 (min. 0-5-4), 8=5376/0-3-8 (min. 0-1-13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-8293/0, 1-2=-1307/0, 2-3=-19827/0, 3-4=-21701/0, 4-5=-21701/0, 5-6=-16139/0, 6-7=-704/0, 7-8=-580/0
BOT CHORD 13-14=0/11756, 12-13=0/11756, 11-12=0/19827, 10-11=0/16139, 9-10=0/8405, 8-9=0/8405
WEBS 2-14=-12284/0, 2-13=-629/0, 2-12=0/9214, 3-12=-4153/0, 3-11=0/2234, 4-11=-4740/0, 5-11=0/6165, 5-10=-3753/0, 6-10=0/8829, 6-9=-346/0, 6-8=-8873/0

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 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) 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 1=-7510 2=-2256 3=-2217 4=-4613

Job	Truss	Truss Type	Qty	Ply	
413220	FG3	FLOOR	1	2	Job Reference (optional)

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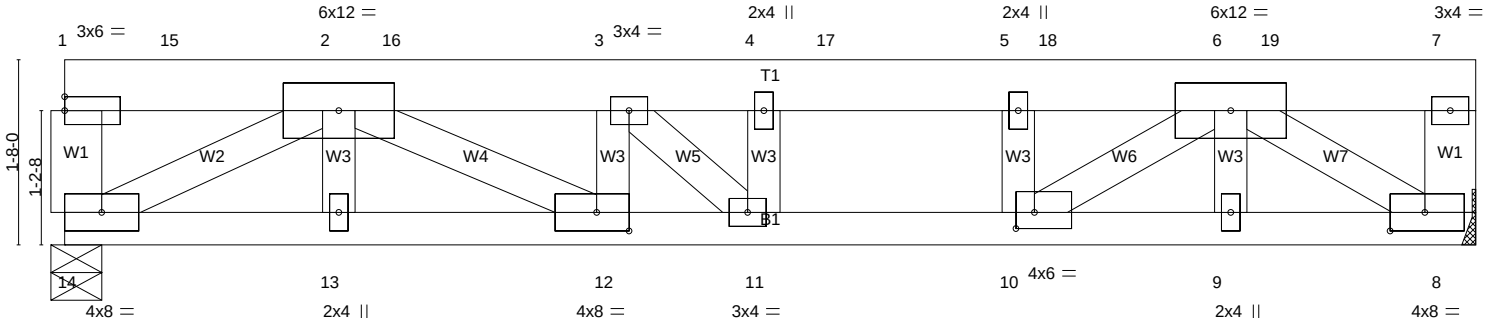
0-1-8	2-7-2	5-0-12	6-5-1	8-8-9	10-7-8	12-10-0
0-1-8	2-5-10	2-5-10	1-4-5	2-3-8	1-10-15	2-2-8

Scale = 1:20.8



0-1-8	2-7-2	5-0-12	6-5-1	8-8-9	10-7-8	12-10-0
0-1-8	2-5-10	2-5-10	1-4-5	2-3-8	1-10-15	2-2-8

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

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	0.53	Vert(LL)	-0.08	11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.25	11-12	>598	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 148 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 SP DSS
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=4757/0-5-8 (min. 0-2-0), 8=5438/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-824/0, 1-15=-473/0, 2-15=-473/0, 2-16=-12727/0, 3-16=-12727/0, 3-4=-12540/0, 4-17=-12540/0, 5-17=-12540/0, 5-18=-12540/0, 6-18=-12540/0, 6-19=-509/0, 7-19=-509/0, 7-8=-972/0
BOT CHORD 13-14=0/7408, 12-13=0/7408, 11-12=0/12727, 10-11=0/12540, 9-10=0/7024, 8-9=0/7024
WEBS 2-14=-7902/0, 2-12=0/6003, 3-12=-2530/0, 3-11=-397/21, 4-11=-416/0, 5-10=-3275/0, 6-10=0/6664, 6-9=-359/0, 6-8=-7782/0

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered 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) Unbalanced floor live loads have been considered for this design.
4) Refer to girder(s) for truss to truss connections.
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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 3=-1821 15=-326 16=-320 17=-1190 18=-1190 19=-1190

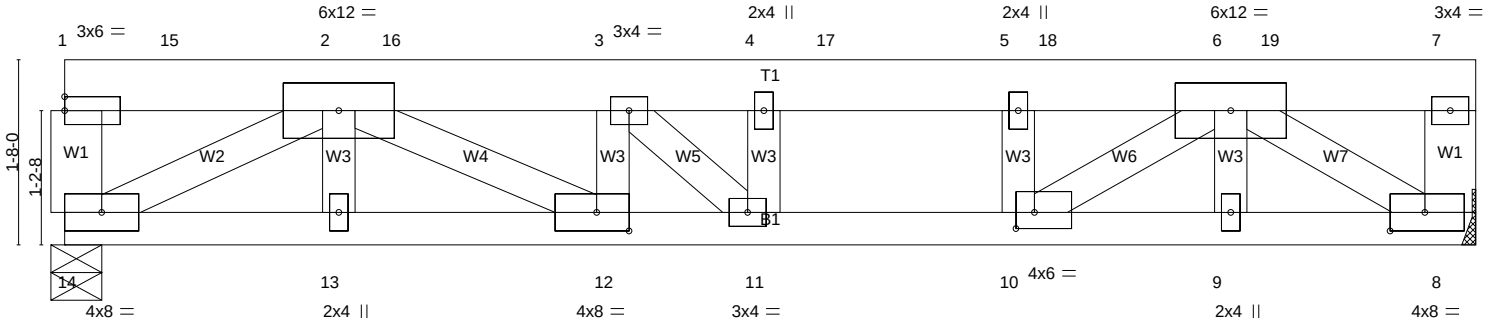
Job	Truss	Truss Type	Qty	Ply	
413220	FG4	FLOOR	1	2	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:43 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-1weKw61CsvEwyMwwmi9j2eIn6MPbgKETibV0Yyzdg9I

0-1-8	2-7-2	5-0-12	6-5-1	8-8-9	10-7-8	12-10-0
0-1-8	2-5-10	2-5-10	1-4-5	2-3-8	1-10-15	2-2-8

Scale = 1:20.8



0-1-8	2-7-2	5-0-12	6-5-1	8-8-9	10-7-8	12-10-0
0-1-8	2-5-10	2-5-10	1-4-5	2-3-8	1-10-15	2-2-8

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

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	0.53	Vert(LL)	-0.08	11	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.25	11-12	>598	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 148 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 SP DSS
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=4757/0-5-8 (min. 0-2-0), 8=5438/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-824/0, 1-15=-473/0, 2-15=-473/0, 2-16=-12727/0, 3-16=-12727/0, 3-4=-12540/0, 4-17=-12540/0, 5-17=-12540/0, 5-18=-12540/0, 6-18=-12540/0, 6-19=-509/0, 7-19=-509/0, 7-8=-972/0
BOT CHORD 13-14=0/7408, 12-13=0/7408, 11-12=0/12727, 10-11=0/12540, 9-10=0/7024, 8-9=0/7024
WEBS 2-14=-7902/0, 2-12=0/6003, 3-12=-2530/0, 3-11=-397/21, 4-11=-416/0, 5-10=-3275/0, 6-10=0/6664, 6-9=-359/0, 6-8=-7782/0

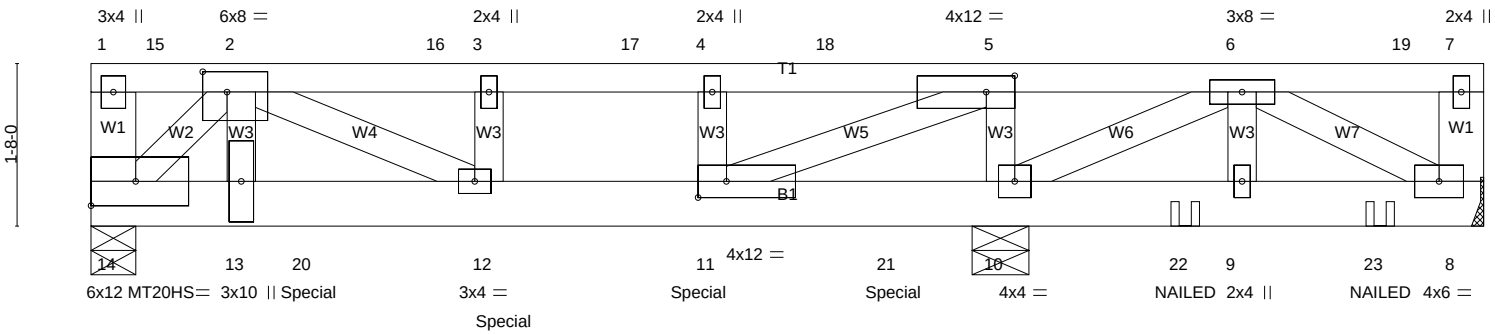
NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally 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) Unbalanced floor live loads have been considered for this design.
4) Refer to girder(s) for truss to truss connections.
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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 3=-1821 15=-326 16=-320 17=-1190 18=-1190 19=-1190

Job	Truss	Truss Type	Qty	Ply	
413220	FG5	FLOOR	1	2	Job Reference (optional)

1-6-8 | 4-1-0 | 6-4-8 | 9-4-0 | 11-9-12 | 14-3-8
1-6-8 | 2-6-8 | 2-3-8 | 2-11-8 | 2-5-12 | 2-5-12

Scale = 1:23.6



1-6-8 | 4-1-0 | 6-4-8 | 9-4-0 | 11-9-12 | 14-3-8
1-6-8 | 2-6-8 | 2-3-8 | 2-11-8 | 2-5-12 | 2-5-12

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

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)	-0.08	12	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.16	12-13	>675	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 164 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.2, W5: 2x4 SP M 31

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 14=8004/0-5-8 (min. 0-4-1), 8=608/Mechanical, 10=7421/0-7-0 (min. 0-3-12)
Max Grav 14=8006(LC 3), 8=671(LC 4), 10=7421(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1031/0, 1-15=-571/0, 2-15=-571/0, 2-16=-7328/0, 3-16=-7328/0, 3-17=-7328/0, 4-17=-7328/0, 4-18=-7328/0, 5-18=-7328/0, 5-6=0/1979, 7-8=-599/0
BOT CHORD 13-14=0/7289, 13-20=0/7289, 12-20=0/7289, 11-12=0/7328, 11-21=-1979/0, 10-21=-1979/0, 10-22=-418/0, 9-22=-418/0, 9-23=-418/0, 8-23=-418/0
WEBS 2-14=-9426/0, 2-13=0/1215, 3-12=-640/0, 4-11=-1452/0, 5-11=0/10155, 5-10=-5309/0, 6-10=-1944/0, 6-9=-435/0, 6-8=0/608

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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 0-7-0 oc, Except member 2-13 2x4 - 1 row at 0-9-0 oc, member 12-2 2x4 - 1 row at 0-9-0 oc, member 3-12 2x4 - 1 row at 0-9-0 oc, member 4-11 2x4 - 1 row at 0-9-0 oc, member 11-5 2x4 - 1 row at 0-9-0 oc, member 5-10 2x4 - 1 row at 0-9-0 oc, member 10-6 2x4 - 1 row at 0-9-0 oc, member 6-9 2x4 - 1 row at 0-9-0 oc, member 8-6 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) Refer to girder(s) for truss to truss connections.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1047 lb down at 2-2-12, 1047 lb down at 4-2-12, and 1047 lb down at 6-2-12, and 1047 lb down at 8-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-7=-326, 8-14=-10

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-5=-326, 5-7=-246, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-5=-246, 5-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-5=-326, 5-7=-246, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-5=-246, 5-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-4=-326, 4-5=-246, 5-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-3=-246, 3-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
9) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-4=-326, 4-5=-246, 5-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)
10) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-3=-246, 3-7=-326, 8-14=-10
Concentrated Loads (lb)
Vert: 2=-4192 12=-1047(B) 11=-1047(B) 5=-228 6=-323 15=-1197 16=-228 17=-228 18=-228 19=-326 20=-1047(B) 21=-1047(B) 22=-123(B) 23=-124(B)

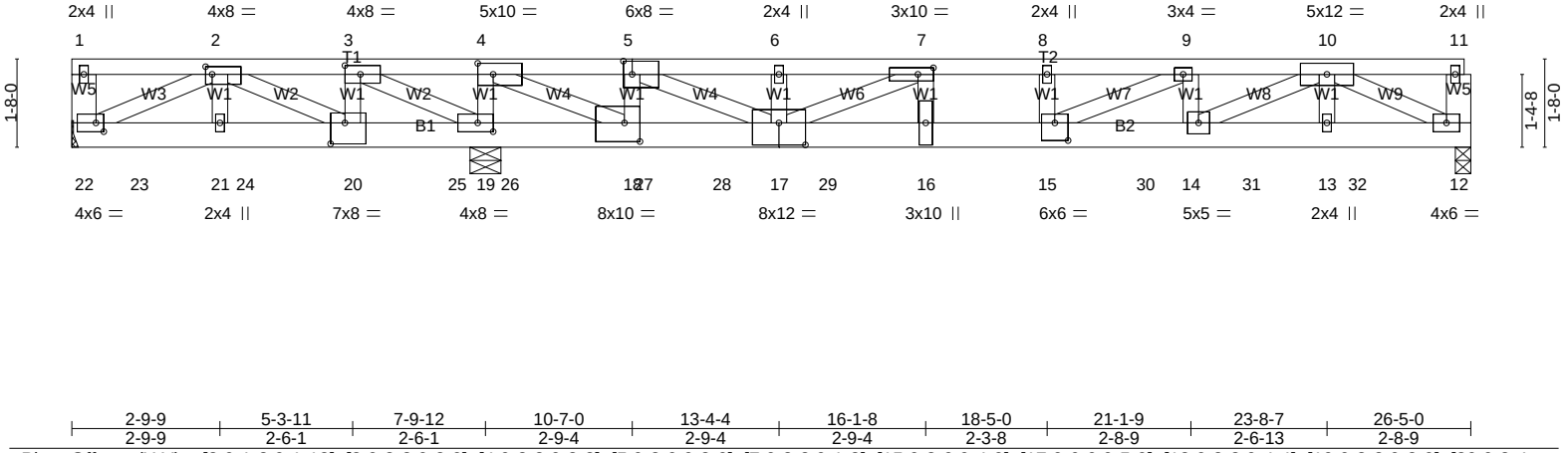
Job	Truss	Truss Type	Qty	Ply	
413220	FG6	FLOOR	1	3	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:46 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-SUJTY8349qcVppeVRrjQgGwBVZVTtkZvOZjh9Hzdg9F

2-9-9	5-3-11	7-9-12	10-7-0	13-4-4	16-1-8	18-5-0	21-1-9	23-8-7	26-3-8	26-5-0
2-9-9	2-6-1	2-6-1	2-9-4	2-9-4	2-9-4	2-3-8	2-8-9	2-6-13	2-7-1	0-1-8

Scale = 1:43.3



2-9-9	5-3-11	7-9-12	10-7-0	13-4-4	16-1-8	18-5-0	21-1-9	23-8-7	26-5-0
2-9-9	2-6-1	2-6-1	2-9-4	2-9-4	2-9-4	2-3-8	2-8-9	2-6-13	2-8-9

Plate Offsets (X,Y)-- [2:0-1-8,0-1-12], [3:0-3-8,0-2-0], [4:0-3-8,0-2-8], [5:0-2-0,0-3-0], [7:0-3-8,0-1-8], [15:0-3-0,0-4-0], [17:0-6-0,0-5-0], [18:0-3-8,0-4-4], [19:0-3-8,0-2-0], [20:0-3-4,0-4-12], [22:0-1-12,0-2-0]

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	0.97	Vert(LL)	-0.15	15	>999	480	MT20	244/190
TCDL	73.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.45	15	>488	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.03	12	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 452 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except* T2: 2x4 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2 *Except* W5: 2x6 SP No.2, W4: 2x4 SP M 31

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 22=744/Mechanical, 12=5681/0-3-8 (min. 0-1-15), 19=17084/0-7-0 (min. 0-5-12)
Max Grav 22=1045(LC 3), 12=5687(LC 4), 19=17084(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-303/0, 2-3=0/7788, 3-4=0/16711, 4-5=0/2742, 5-6=-8882/0, 6-7=-8882/0, 7-8=-16478/0, 8-9=-16478/0, 9-10=-15888/0, 10-11=-574/0, 11-12=-354/0
BOT CHORD 22-23=-1222/0, 21-23=-1222/0, 21-24=-1222/0, 20-24=-1222/0, 20-25=-7788/0, 19-25=-7788/0, 19-26=-16711/0, 26-27=-16711/0, 18-27=-16711/0, 18-28=-2742/0, 17-28=-2742/0, 17-29=0/16478, 16-29=0/16478, 15-16=0/16478, 15-30=0/15888, 14-30=0/15888, 14-31=0/9740, 13-31=0/9740, 13-32=0/9740, 12-32=0/9740
WEBS 2-22=0/1567, 2-21=0/2334, 2-20=-7431/0, 3-20=0/4431, 3-19=-10411/0, 4-19=-7594/0, 4-18=0/15528, 5-18=-5793/0, 5-17=0/12687, 6-17=-556/0, 7-17=-8439/0, 7-16=0/2840, 8-15=-274/0, 9-15=0/964, 9-14=-976/0, 10-14=0/6881, 10-13=0/1205, 10-12=-10330/0

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-20 2x4 - 2 rows staggered at 0-4-0 oc, member 5-18 2x4 - 2 rows staggered at 0-4-0 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) Refer to girder(s) for truss to truss connections.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1696 lb down at 1-3-4, 1696 lb down at 3-3-4, 1696 lb down at 5-3-4, 1696 lb down at 7-3-4, 1178 lb down at 8-3-4, 1178 lb down at 10-3-4, 1178 lb down at 12-3-4, 1178 lb down at 14-3-4, 1178 lb down at 16-3-4, 1178 lb down at 18-3-4, 1178 lb down at 20-3-4, and 1178 lb down at 22-3-4, and 1178 lb down at 24-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-11=-226, 12-22=-10

Concentrated Loads (lb)

Vert: 20=-1696(F) 16=-1178(F) 15=-1178(F) 23=-1696(F) 24=-1696(F) 25=-1696(F) 26=-1178(F) 27=-1178(F) 28=-1178(F) 29=-1178(F) 30=-1178(F) 31=-1178(F) 32=-1178(F)

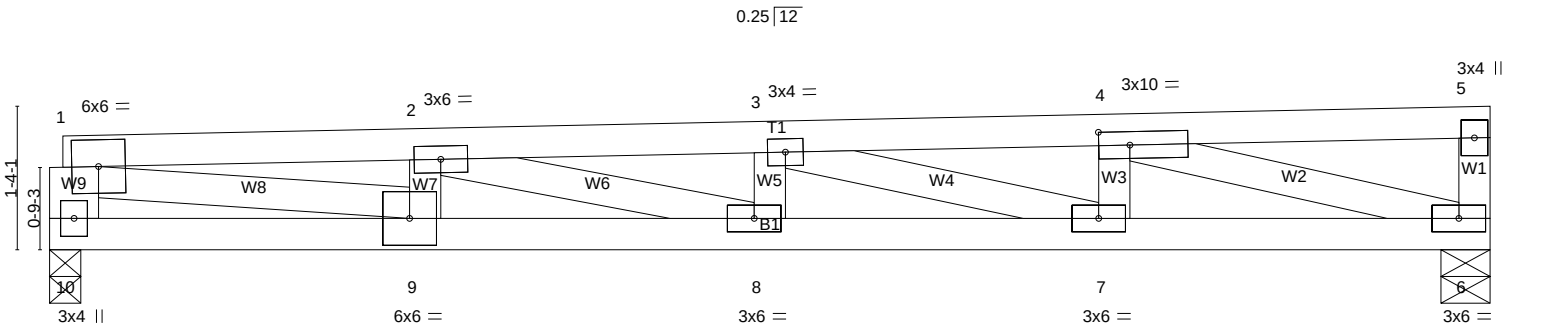
Job	Truss	Truss Type	Qty	Ply	
413220	FL1	FLOOR	7	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:47 2019 Page 1
ID:LTHF4EcV9tayzxn_hS4OfoznULZ-whtrmU4iw8kMRzDi?YEfDTTSSzuzc9k3dDTEijzdg9E

0-1-8	3-6-2	6-8-12	9-11-6	13-5-8
0-1-8	3-4-10	3-2-10	3-2-10	3-6-2

Scale = 1:21.5



3-6-2	6-8-12	9-11-6	13-5-8
3-6-2	3-2-10	3-2-10	3-6-2

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	60.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.22	8	>700	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.30	8	>525	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 63 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2 *Except*
W9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-8 oc purlins, except end verticals.
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) 10=1047/0-3-8 (min. 0-1-8), 6=1047/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-965/0, 1-2=-2996/0, 2-3=-3758/0, 3-4=-2704/0, 5-6=-251/0
BOT CHORD 9-10=0/298, 8-9=0/2989, 7-8=0/3752, 6-7=0/2699
WEBS 1-9=0/2764, 2-9=-679/0, 2-8=0/789, 3-7=-1094/0, 4-7=0/286, 4-6=-2650/0

NOTES-
1) 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	
413220	FL2	FLOOR	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:47 2019 Page 1
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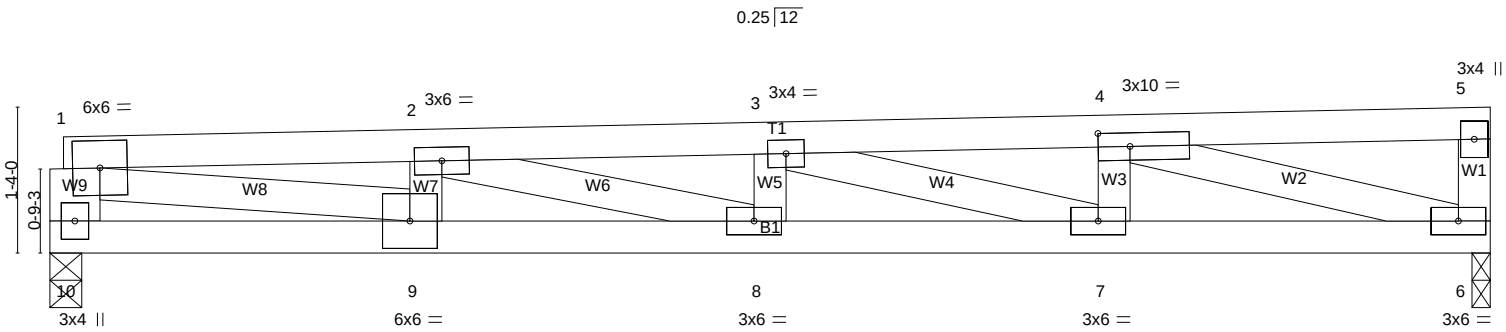
0-1-8	3-5-4	6-7-0	9-8-12	13-2-0
0-1-8	3-3-12	3-1-12	3-1-12	3-5-4

Scale = 1:21.1



3-5-4	6-7-0	9-8-12	13-2-0
3-5-4	3-1-12	3-1-12	3-5-4

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	60.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.21	8	>744	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.28	8	>558	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 61 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2 *Except*
W9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-3 oc purlins, except end verticals.
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) 10=1023/0-3-8 (min. 0-1-8), 6=1023/0-2-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-944/0, 1-2=-2868/0, 2-3=-3603/0, 3-4=-2597/0
BOT CHORD 9-10=0/286, 8-9=0/2862, 7-8=0/3597, 6-7=0/2592
WEBS 1-9=0/2650, 2-9=-665/0, 2-8=0/761, 3-7=-1047/0, 4-7=0/278, 4-6=-2547/0

NOTES-
1) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
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	
413220	FL3	FLOOR	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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0-1-8 3-3-12 3-1-12 3-1-12 3-5-4

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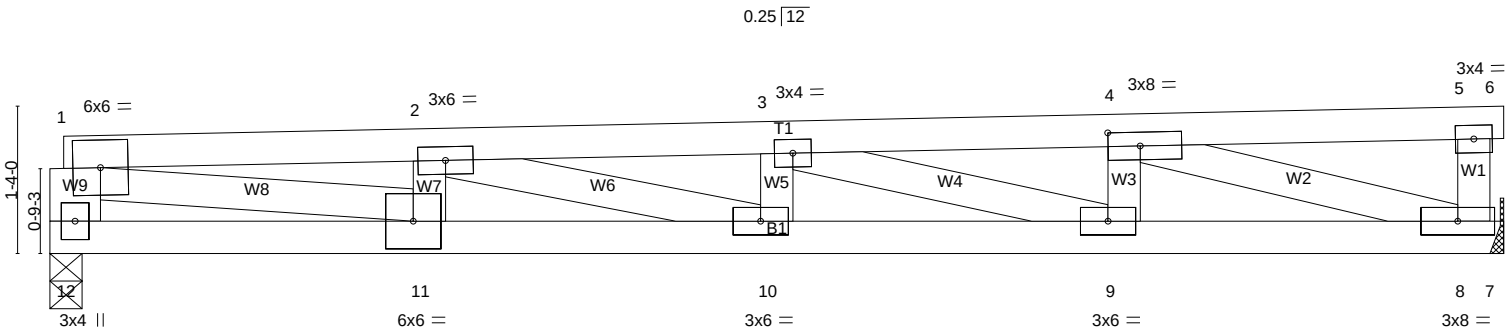

3-5-4 6-7-0 9-8-12 13-2-0
3-5-4 3-1-12 3-1-12 3-5-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.20	10	>767	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.26	10	>575	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 61 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2 *Except*
W9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-13 oc purlins, except end verticals.
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) 12=1013/0-3-8 (min. 0-1-8), 8=1057/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-934/0, 1-2=-2830/0, 2-3=-3536/0, 3-4=-2482/0, 5-8=-293/0
BOT CHORD 11-12=0/284, 10-11=0/2824, 9-10=0/3530, 8-9=0/2476
WEBS 1-11=0/2612, 2-11=-655/0, 2-10=0/731, 3-9=-1096/0, 4-9=0/282, 4-8=-2374/0

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	
413220	J1	Jack-Open	13	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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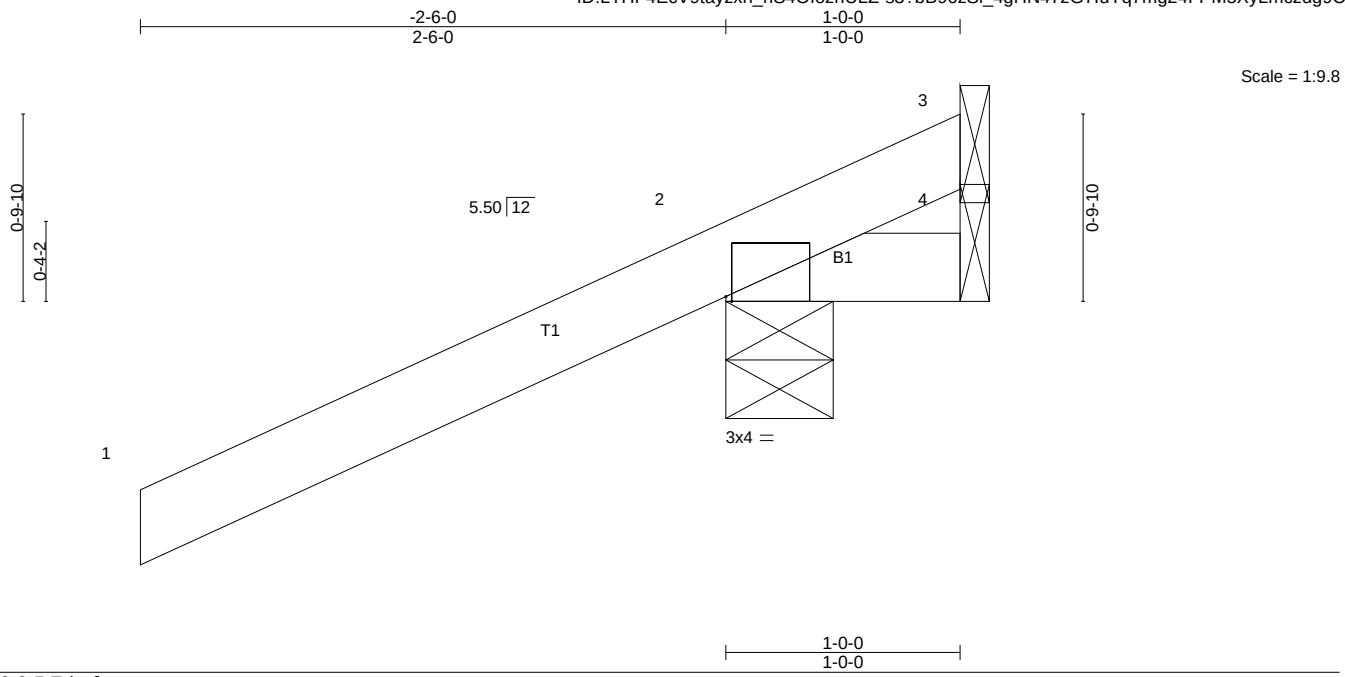

Plate Offsets (X,Y)-- [2:0-0-5,Edge]

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	0.50	Vert(LL)	0.00	5	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	5	>999	240		
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		Wind(LL)	-0.00	5	>999	240	Weight: 7 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 3=-68/Mechanical, 2=441/0-5-8 (min. 0-1-8), 4=-109/Mechanical
Max Horz 2=78(LC 12)
Max Uplift 3=-68(LC 1), 2=-296(LC 12), 4=-109(LC 1)
Max Grav 3=66(LC 12), 2=441(LC 1), 4=101(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-7-1, Interior(1) 0-7-1 to 0-11-14 zone; cantilever left and right exposed ; end vertical 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 68 lb uplift at joint 3, 296 lb uplift at joint 2 and 109 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J1A	Jack-Open	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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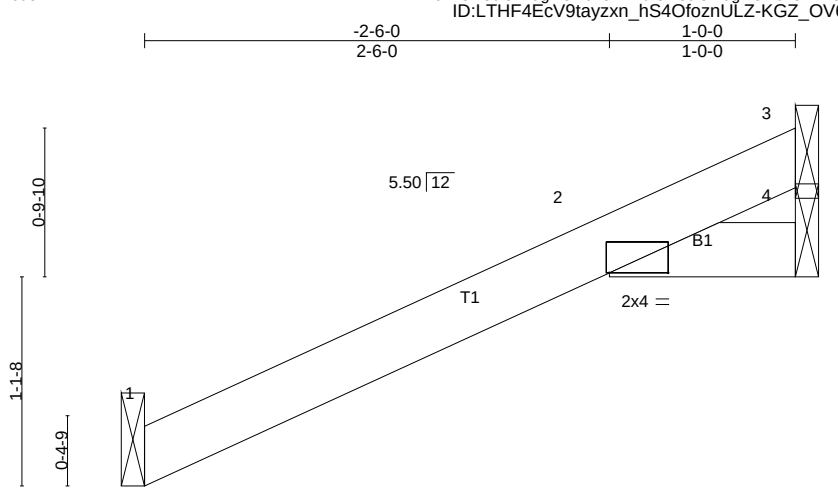

Plate Offsets (X,Y)-- [2:0-3-13,0-0-0]

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	0.30	Vert(LL)	-0.01	5	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.03	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.02	5	>999	240	Weight: 7 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 1=160/Mechanical, 3=77/Mechanical, 4=89/Mechanical
Max Horz 3=56(LC 12)
Max Uplift1=-36(LC 12), 4=-13(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-5-4 to 0-7-1, Interior(1) 0-7-1 to 0-11-14 zone; cantilever left and right exposed ; end vertical 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 36 lb uplift at joint 1 and 13 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J1AU	Jack-Open	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:51 2019 Page 1
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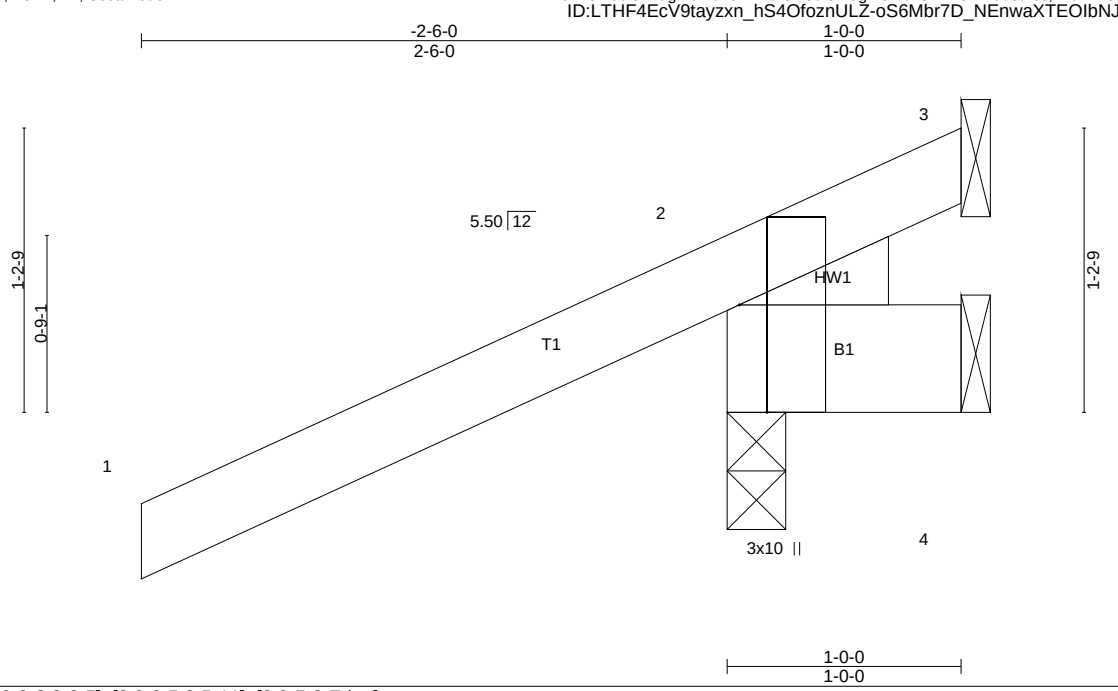

Plate Offsets (X,Y)-- [2:0-0-2,0-0-5], [2:0-0-5,0-5-11], [2:0-5-8,Edge]

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	0.50	Vert(LL)	0.00	5	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.00	5	>999	240	Weight: 9 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEDGE
Left: 2x4 SP No.2

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

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

REACTIONS. (lb/size) 3=-47/Mechanical, 2=441/0-3-0 (min. 0-1-8), 4=-130/Mechanical
Max Horz 2=78(LC 12)
Max Uplift 3=-47(LC 1), 2=-270(LC 12), 4=-130(LC 1)
Max Grav 3=38(LC 12), 2=441(LC 1), 4=103(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 47 lb uplift at joint 3, 270 lb uplift at joint 2 and 130 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J1E	Jack-Open	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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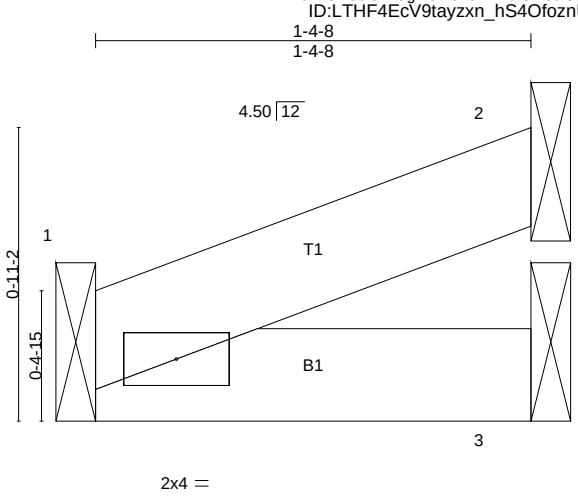

Scale = 1:7.3

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	6	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	6	>999	240		
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		Wind(LL)	0.00	6	>999	240	Weight: 4 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-4-8 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) 1=61/Mechanical, 2=39/Mechanical, 3=23/Mechanical
Max Horz 2=18(LC 12)
Max Uplift 1=-14(LC 12), 2=-8(LC 12)
Max Grav 1=61(LC 1), 2=39(LC 1), 3=26(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 14 lb uplift at joint 1 and 8 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J1U	Jack-Open	14	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:32:52 2019 Page 1
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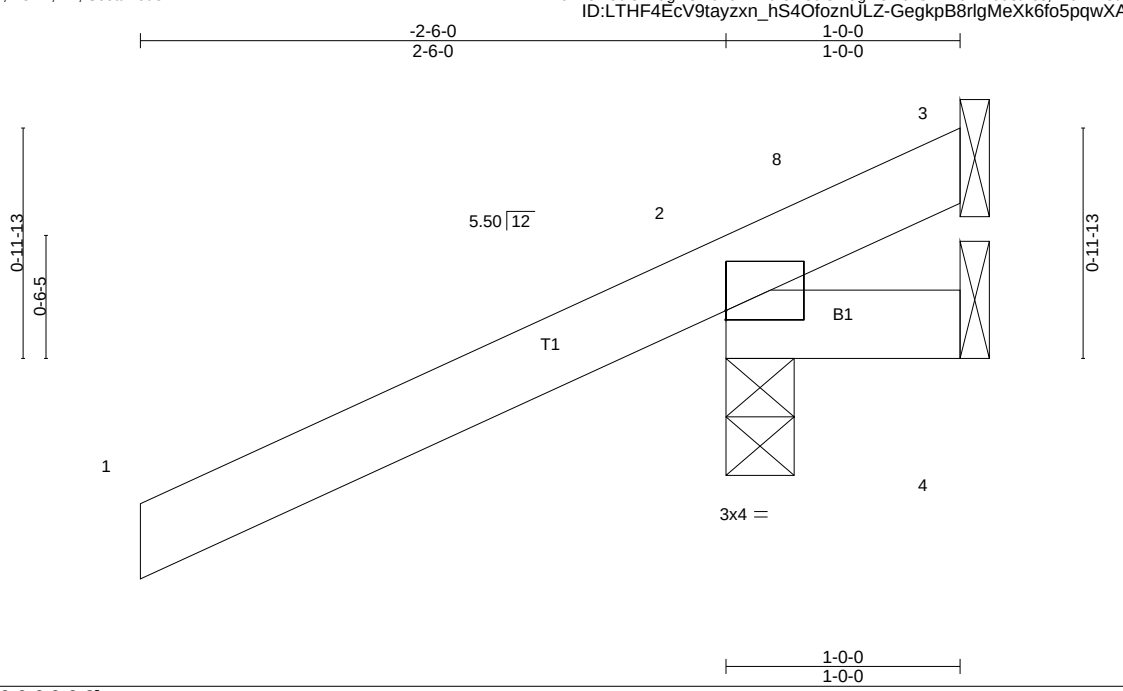

Plate Offsets (X,Y)-- [2:0-0-0,0-0-8]

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	0.50	Vert(LL)	0.00	7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.00	7	>999	240		
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		Wind(LL)	-0.00	7	>999	240	Weight: 7 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 3=-78/Mechanical, 2=441/0-3-8 (min. 0-1-8), 4=-99/Mechanical
Max Horz 2=78(LC 12)
Max Uplift 3=-78(LC 1), 2=-282(LC 12), 4=-99(LC 1)
Max Grav 3=67(LC 12), 2=441(LC 1), 4=85(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 0-11-14 zone; cantilever left and right exposed ; end vertical 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 78 lb uplift at joint 3, 282 lb uplift at joint 2 and 99 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J3	Jack-Open	19	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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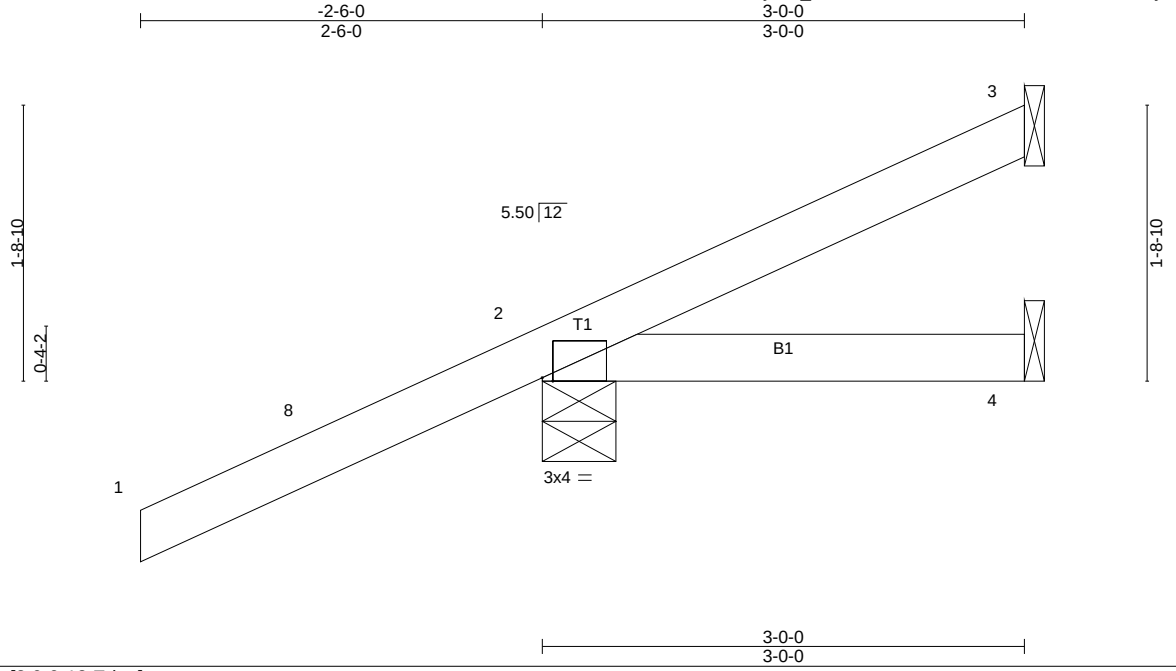

Plate Offsets (X,Y)-- [2:0-0-13,Edge]

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	0.50	Vert(LL)	0.00	4-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.01	4-7	>999	240	Weight: 14 lb	FT = 10%

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

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=52/Mechanical, 2=382/0-5-8 (min. 0-1-8), 4=5/Mechanical
Max Horz 2=110(LC 12)
Max Uplift 3=-16(LC 9), 2=-185(LC 12)
Max Grav 3=52(LC 17), 2=382(LC 1), 4=40(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-7-1, Interior(1) 0-7-1 to 2-11-4 zone; cantilever left and right exposed ; end vertical 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 16 lb uplift at joint 3 and 185 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J3A	Jack-Open	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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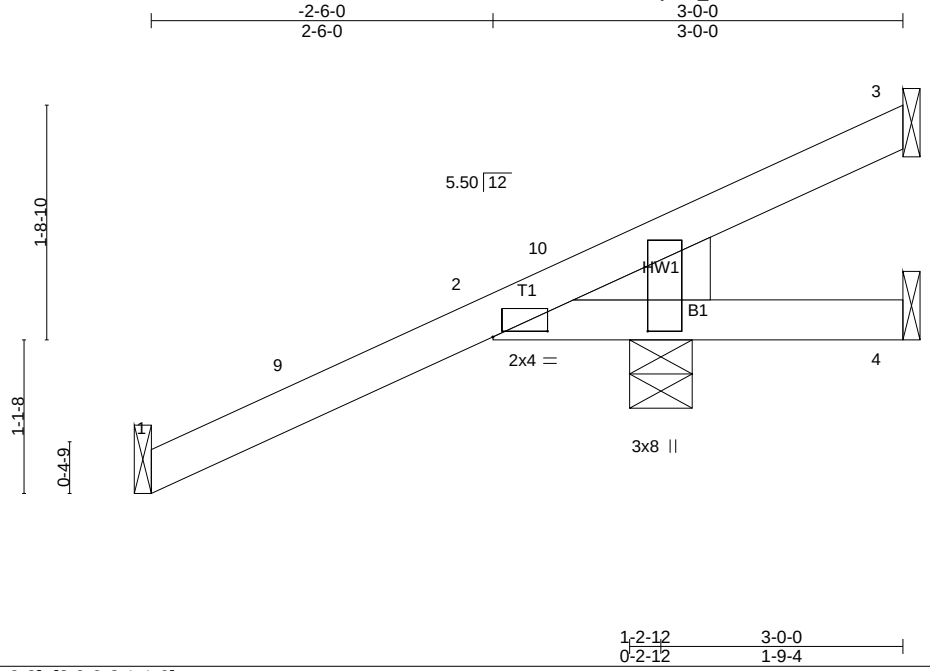

Plate Offsets (X,Y)-- [2:0-4-13,0-0-8], [2:0-0-8,1-1-9]

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)	-0.01	5	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.01	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.01	5	>999	240	Weight: 16 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2

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

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

REACTIONS. (lb/size) 1=117/Mechanical, 3=-11/Mechanical, 4=-31/Mechanical, 2=447/0-5-8 (min. 0-1-8)
Max Horz 2=88(LC 12)
Max Uplift1=-21(LC 12), 3=-21(LC 12), 4=-31(LC 1), 2=-25(LC 12)
Max Grav1=117(LC 1), 4=6(LC 12), 2=447(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-5-4 to 0-6-12, Interior(1) 0-6-12 to 2-11-4 zone; cantilever left and right exposed ; end vertical 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 21 lb uplift at joint 1, 21 lb uplift at joint 3, 31 lb uplift at joint 4 and 25 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J3AU	Jack-Open	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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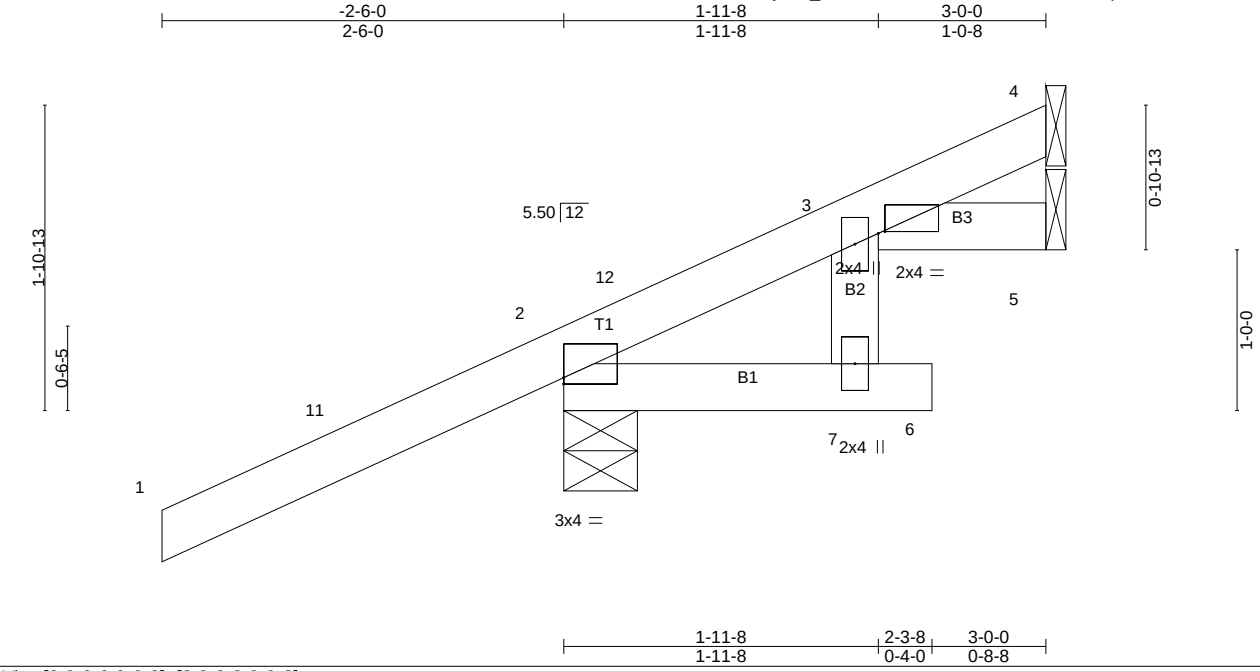

Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [3:0-0-8,0-0-2]

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)	-0.00	7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.01	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR		Wind(LL)	-0.01	6	>999	240	Weight: 15 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=42/Mechanical, 2=385/0-5-8 (min. 0-1-8), 5=22/Mechanical
Max Horz 2=110(LC 12)
Max Uplift 4=-7(LC 9), 2=-177(LC 12)
Max Grav 4=44(LC 17), 2=385(LC 1), 5=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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 2-11-4 zone; cantilever left and right exposed ; end vertical 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 7 lb uplift at joint 4 and 177 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J3BU	Jack-Open	7	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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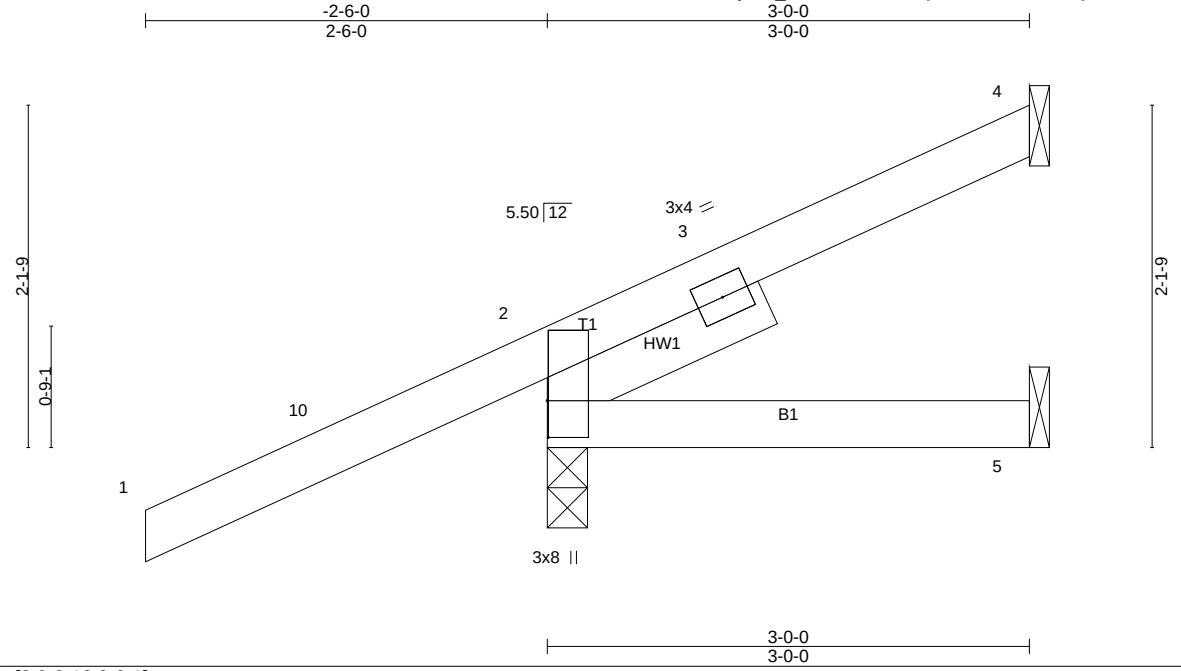

Plate Offsets (X,Y)-- [2:0-2-12,0-0-1]

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	0.50	Vert(LL)	0.00	5-8	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.00	5-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.01	5-8	>999	240	Weight: 16 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

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) 4=48/Mechanical, 2=382/0-3-0 (min. 0-1-8), 5=10/Mechanical
Max Horz 2=110(LC 12)
Max Uplift 4=-20(LC 9), 2=-170(LC 12)
Max Grav 4=49(LC 17), 2=382(LC 1), 5=42(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-392/285

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-4-11, Interior(1) 0-4-11 to 2-11-4 zone; cantilever left and right exposed ; end vertical 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 20 lb uplift at joint 4 and 170 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J3E	Jack-Open	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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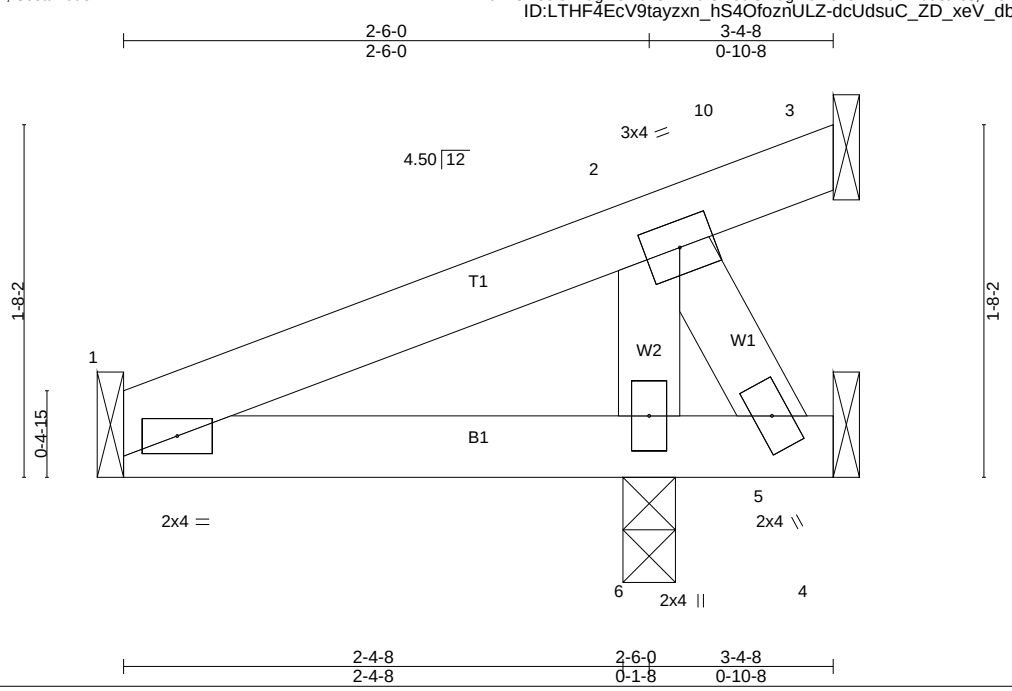

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.00	9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.00	9	>999	240	Weight: 13 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-8 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. All bearings Mechanical except (jt=length) 6=0-3-0.
(lb) - Max Horz 6=45(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 3, 6, 5
Max Grav All reactions 250 lb or less at joint(s) 1, 3, 6, 5

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 3-3-12 zone; cantilever left and right exposed ; end vertical 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) 1, 3, 6, 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J3U	Jack-Open	10	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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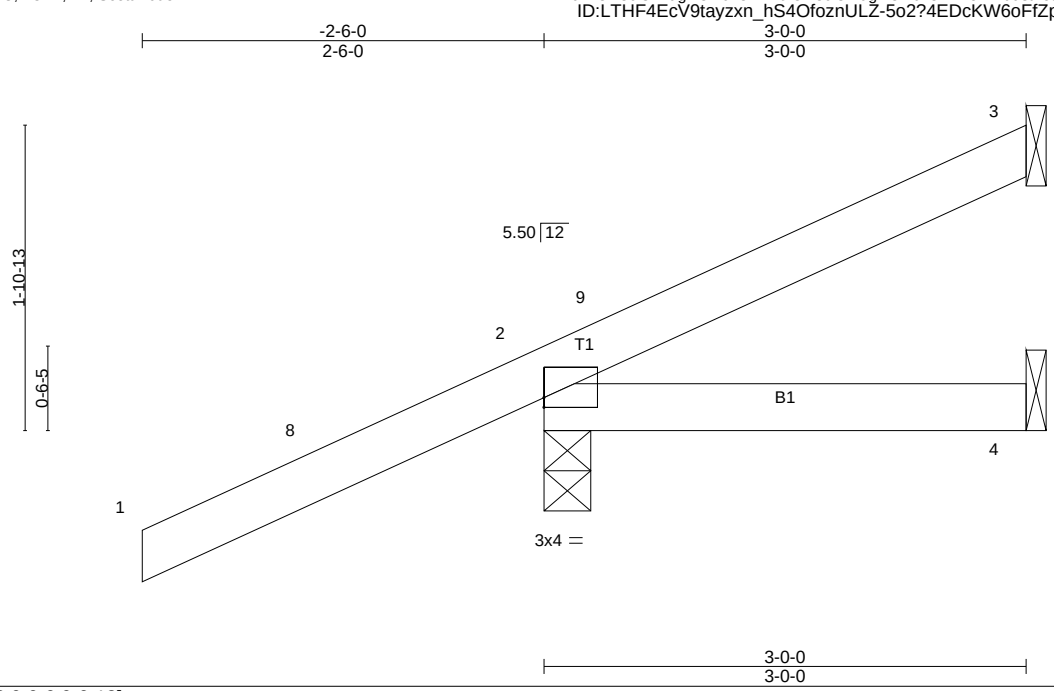

Plate Offsets (X,Y)-- [2:0-0-0,0-0-12]

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	0.50	Vert(LL)	0.00	4-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.01	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.01	4-7	>999	240	Weight: 14 lb	FT = 10%

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

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=382/0-3-8 (min. 0-1-8), 4=2/Mechanical
Max Horz 2=110(LC 12)
Max Uplift 3=-20(LC 9), 2=-179(LC 12)
Max Grav 3=56(LC 1), 2=382(LC 1), 4=41(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 2-11-4 zone; cantilever left and right exposed ; end vertical 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 except (jt=lb) 2=179.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5	Jack-Open	4	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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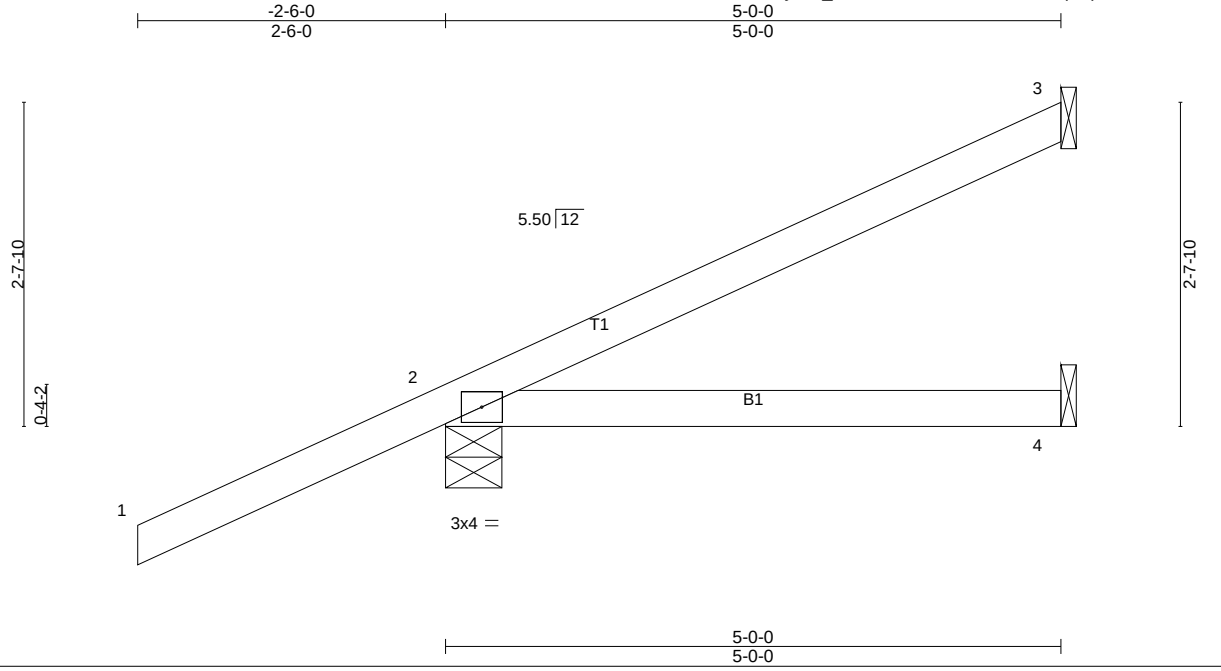

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.03	4-7	>999	240	Weight: 20 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 3=130/Mechanical, 2=441/0-5-8 (min. 0-1-8), 4=48/Mechanical
Max Horz 2=143(LC 12)
Max Uplift 3=-50(LC 12), 2=-169(LC 12)
Max Grav 3=130(LC 1), 2=441(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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-7-1, Interior(1) 0-7-1 to 4-11-4 zone; cantilever left and right exposed ; end vertical 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 except (jt=lb) 2=169.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5A	Jack-Open	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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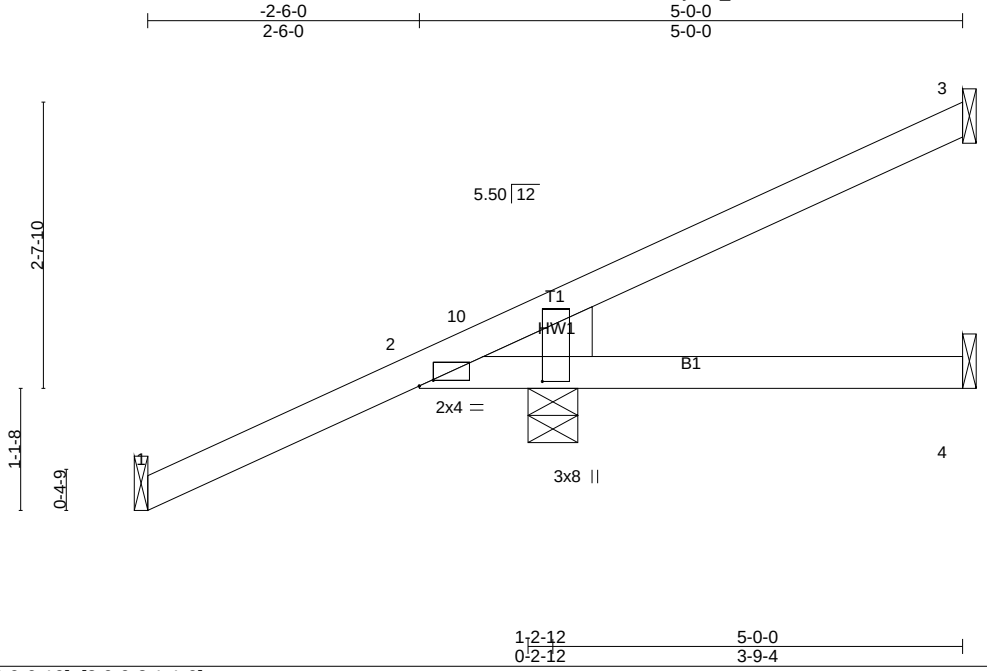

Plate Offsets (X,Y)-- [2:0-1-9,0-0-10], [2:0-0-8,1-1-9]

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	0.16	Vert(LL)	-0.01	4-9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	4-9	>999	240		
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		Wind(LL)	0.01	4-9	>999	240	Weight: 22 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2

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

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

REACTIONS. All bearings Mechanical except (jt=length) 2=0-5-8.
(lb) - Max Horz 2=121(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 3, 2
Max Grav All reactions 250 lb or less at joint(s) 1, 3, 4 except 2=490(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-227/396

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-5-4 to 0-6-12, Interior(1) 0-6-12 to 4-11-4 zone; cantilever left and right exposed ; end vertical 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) 1, 3, 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5AU	Jack-Open	3	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:33:01 2019 Page 1
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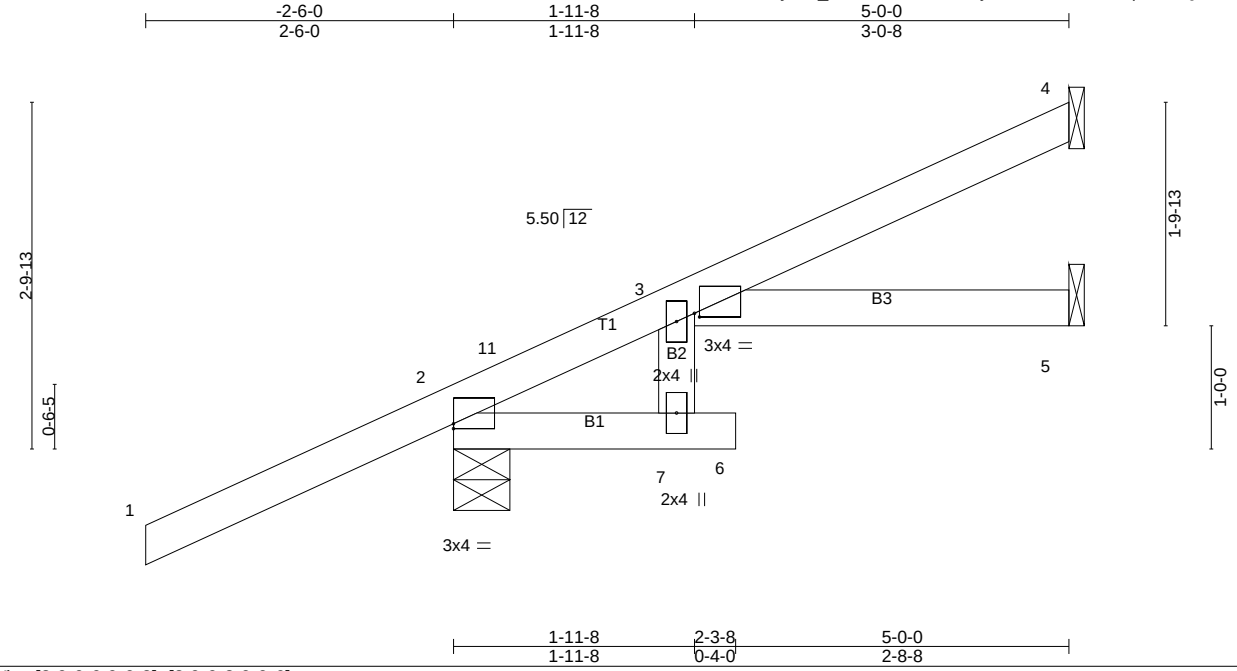

Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [3:0-0-8,0-0-6]

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	0.50	Vert(LL)	-0.03	6	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.07	6	>808	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR		Wind(LL)	0.06	6	>953	240	Weight: 22 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=118/Mechanical, 2=447/0-5-8 (min. 0-1-8), 5=63/Mechanical
Max Horz 2=143(LC 12)
Max Uplift 4=-40(LC 12), 2=-160(LC 12)
Max Grav 4=118(LC 1), 2=447(LC 1), 5=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical 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) 2=160.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5B	Jack-Open	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:33:02 2019 Page 1
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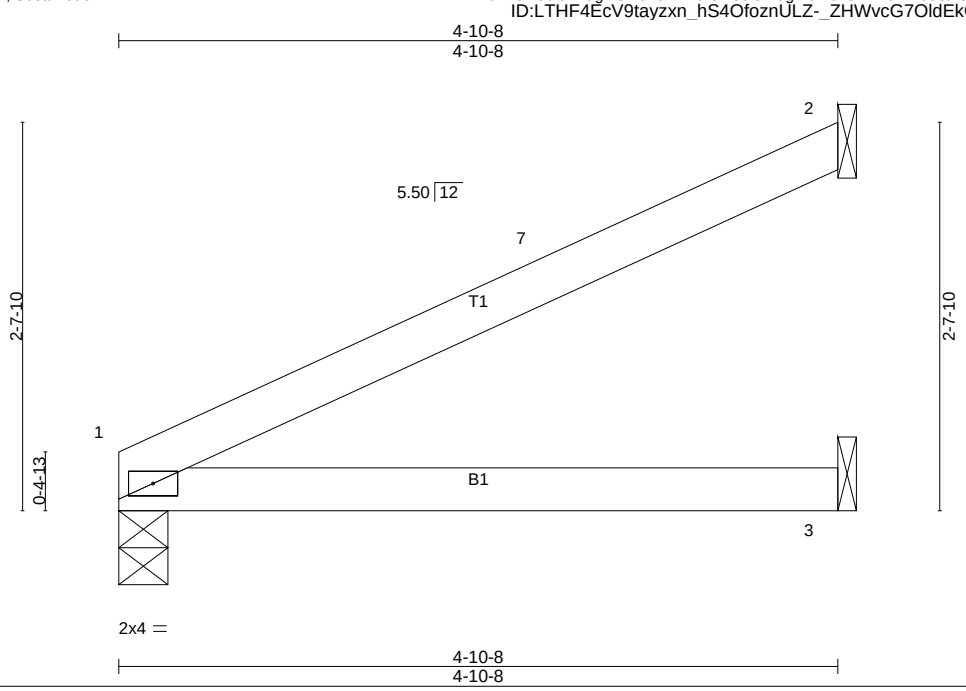

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.03	3-6	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.06	3-6	>896	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.04	3-6	>999	240	Weight: 15 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-8 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) 1=217/0-4-0 (min. 0-1-8), 2=148/Mechanical, 3=69/Mechanical
Max Horz 1=79(LC 12)
Max Uplift 1=-18(LC 12), 2=-67(LC 12)
Max Grav 1=217(LC 1), 2=148(LC 1), 3=94(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-9-12 zone; cantilever left and right exposed ; end vertical 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) 1, 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5BU	Jack-Open	8	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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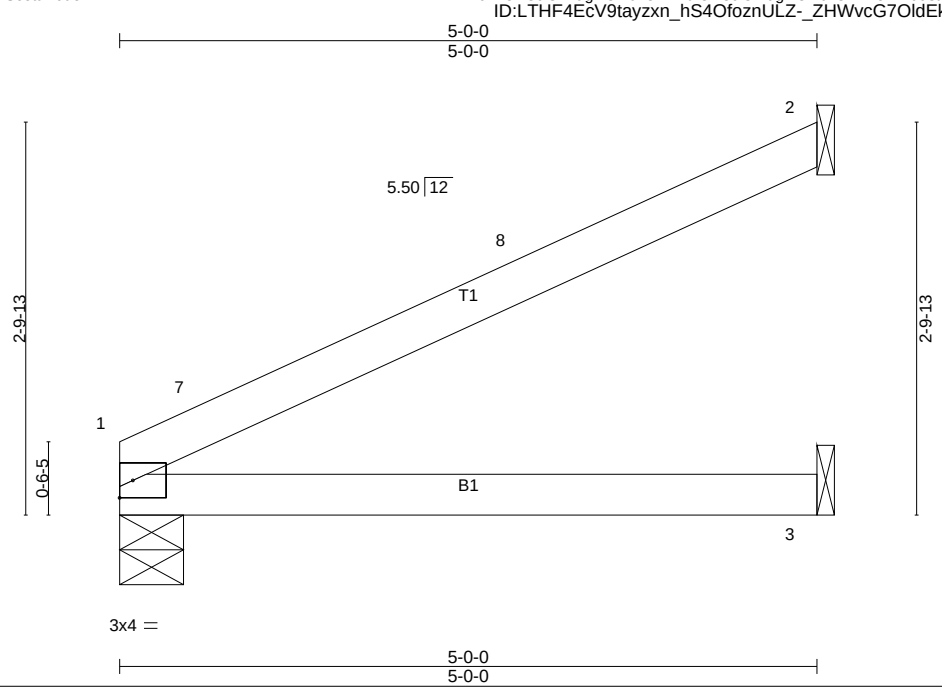

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.02	3-6	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.07	3-6	>878	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.04	3-6	>999	240	Weight: 16 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 1=222/0-5-8 (min. 0-1-8), 2=155/Mechanical, 3=68/Mechanical
Max Horz 1=81(LC 12)
Max Uplift 1=-16(LC 12), 2=-72(LC 12)
Max Grav 1=222(LC 1), 2=155(LC 1), 3=97(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical 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) 1, 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5CU	Jack-Open	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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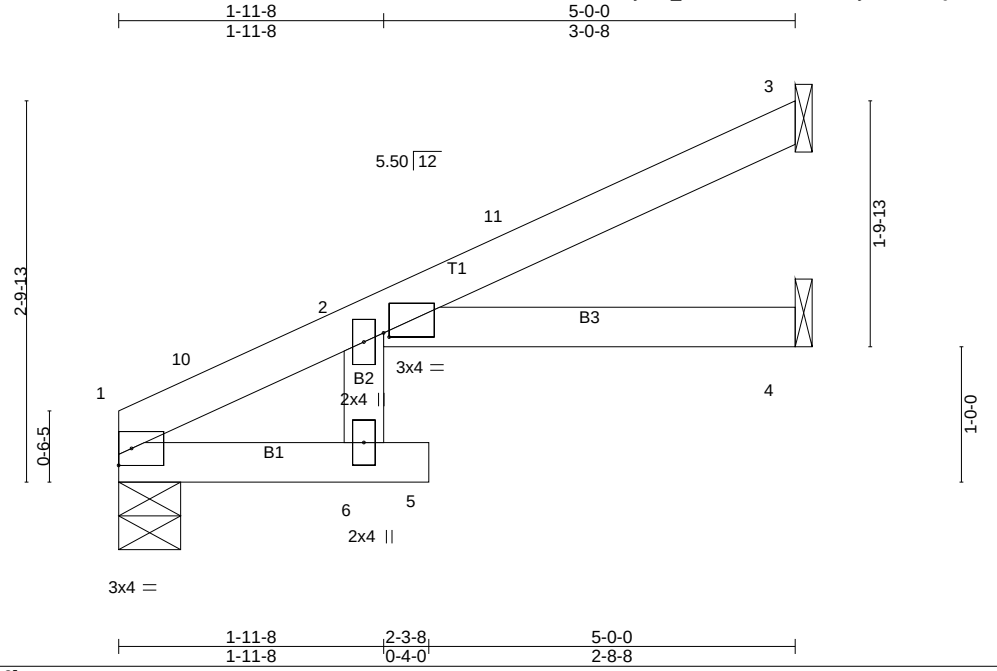

Plate Offsets (X,Y)-- [2:0-0-8,0-0-6]

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	0.54	Vert(LL)	-0.05	5	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.12	5	>490	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.06	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR		Wind(LL)	0.08	5	>704	240	Weight: 18 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 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) 1=228/0-5-8 (min. 0-1-8), 3=140/Mechanical, 4=87/Mechanical
Max Horz 1=81(LC 12)
Max Uplift 1=-13(LC 12), 3=-56(LC 12), 4=-2(LC 12)
Max Grav 1=228(LC 1), 3=140(LC 1), 4=99(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical 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) 1, 3, 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5DU	Roof Special	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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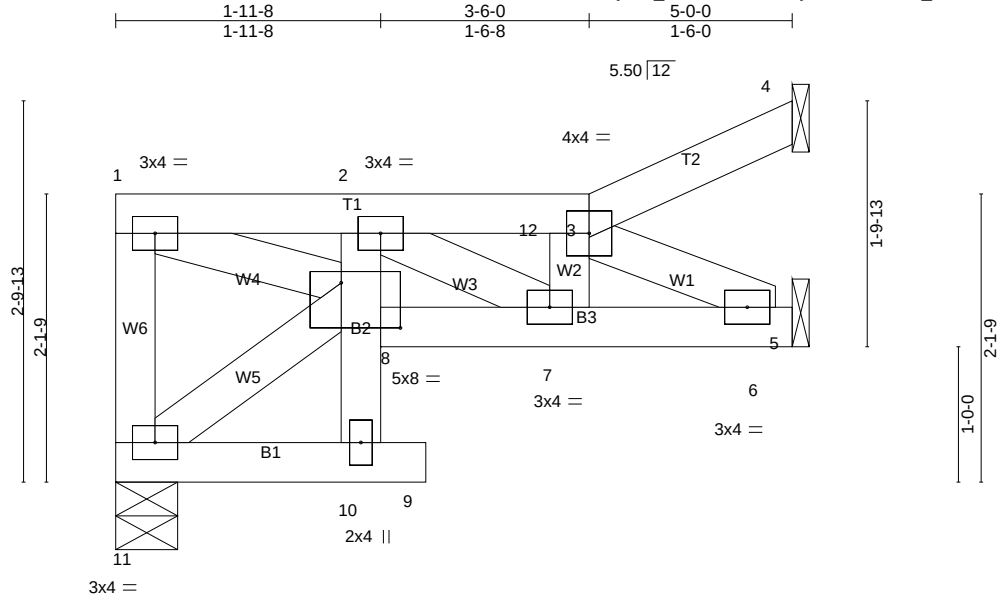

Plate Offsets (X,Y)-- [8:0-5-4,0-4-0]

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	0.06	Vert(LL)	-0.00	9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.01	9	>999	240	Weight: 30 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 11=219/0-5-8 (min. 0-1-8), 4=50/Mechanical, 6=173/Mechanical
Max Horz 11=75(LC 12)
Max Uplift 11=-54(LC 8), 4=-25(LC 12), 6=-34(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-368/211, 2-12=-260/87, 3-12=-260/87
BOT CHORD 7-8=-292/434, 6-7=-131/252
WEBS 1-8=-200/387, 3-6=-295/154

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) 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) 11, 4, 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5E	Jack-Open	6	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:33:05 2019 Page 1
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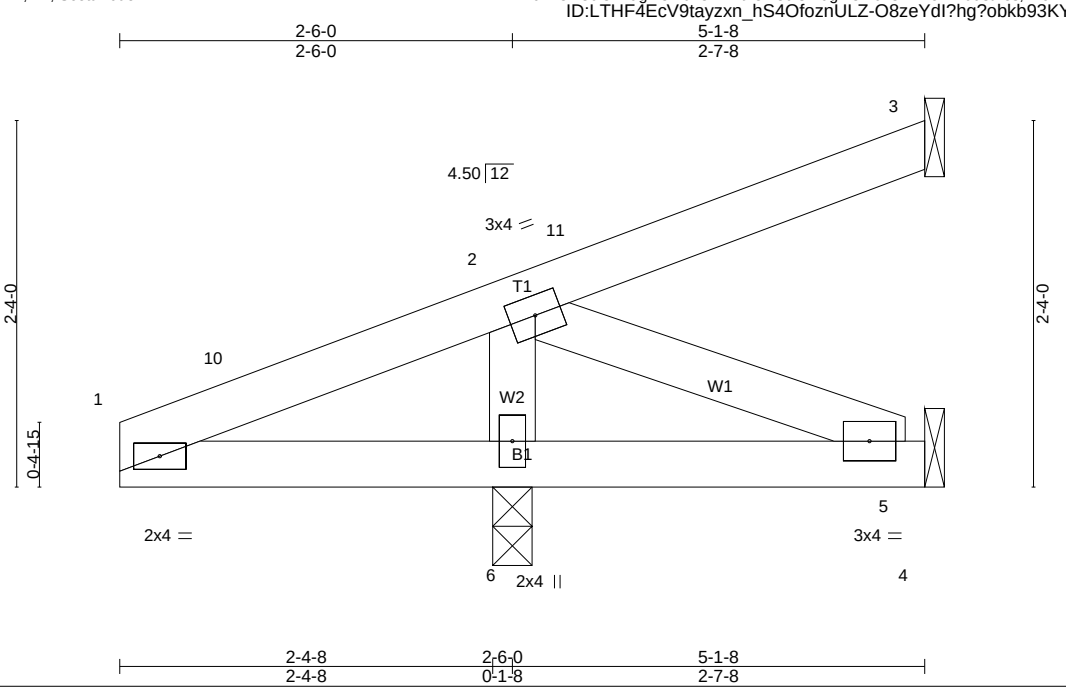

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.00	5-6	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	0.00	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.00	5-6	>999	240	Weight: 21 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-8 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=63/Mechanical, 6=619/0-3-0 (min. 0-1-8), 5=-141/Mechanical
Max Horz 6=68(LC 12)
Max Uplift 3=-30(LC 12), 6=-171(LC 12), 5=-141(LC 1)
Max Grav 3=63(LC 1), 6=619(LC 1), 5=47(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-401/385, 2-10=-401/427
BOT CHORD 1-6=-362/397, 5-6=-362/284
WEBS 2-6=-518/439, 2-5=-308/392

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 5-0-12 zone; cantilever left and right exposed ; end vertical 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 except (jt=lb) 6=171, 5=141.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 84 lb down and 48 lb up at 0-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-3=-70, 4-7=-20
Concentrated Loads (lb)
Vert: 1=-84(B)

Job	Truss	Truss Type	Qty	Ply	
413220	J5EU	Roof Special	1	1	Job Reference (optional)

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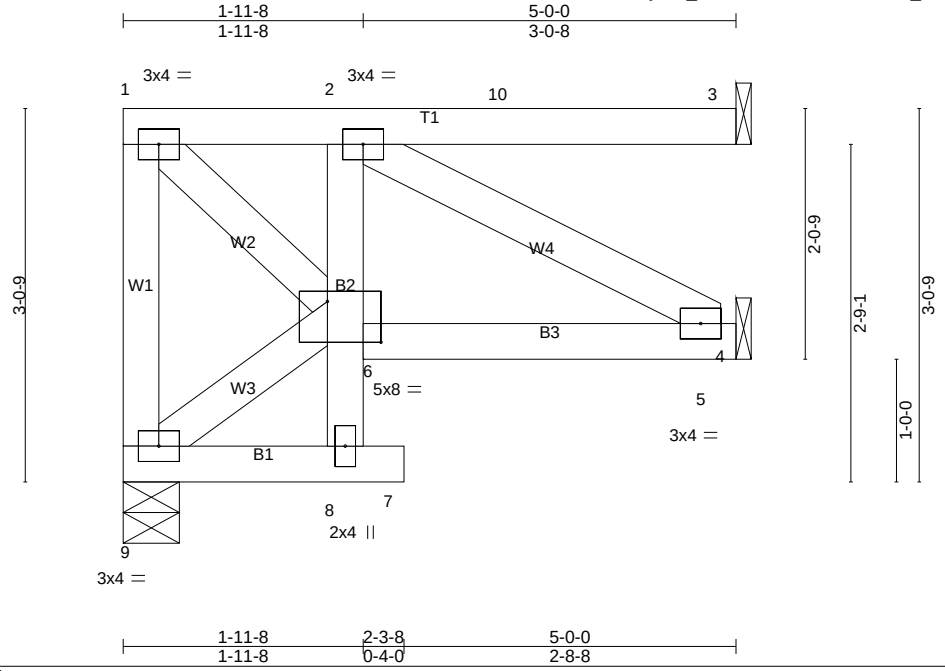

Plate Offsets (X,Y)-- [6:0-5-4,0-4-0]

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	0.14	Vert(LL)	-0.01	5-6	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.01	5-6	>999	240		
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-MP		Wind(LL)	0.00	8	>999	240	Weight: 33 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 6-8

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

REACTIONS. (lb/size) 3=91/Mechanical, 9=220/0-5-8 (min. 0-1-8), 5=131/Mechanical
Max Horz 9=-86(LC 10)
Max Uplift 3=-50(LC 9), 9=-75(LC 8), 5=-28(LC 9)
Max Grav 3=91(LC 1), 9=220(LC 1), 5=140(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-6=-156/261, 2-5=-258/216

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) 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) 3, 9, 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J5U	Jack-Open	6	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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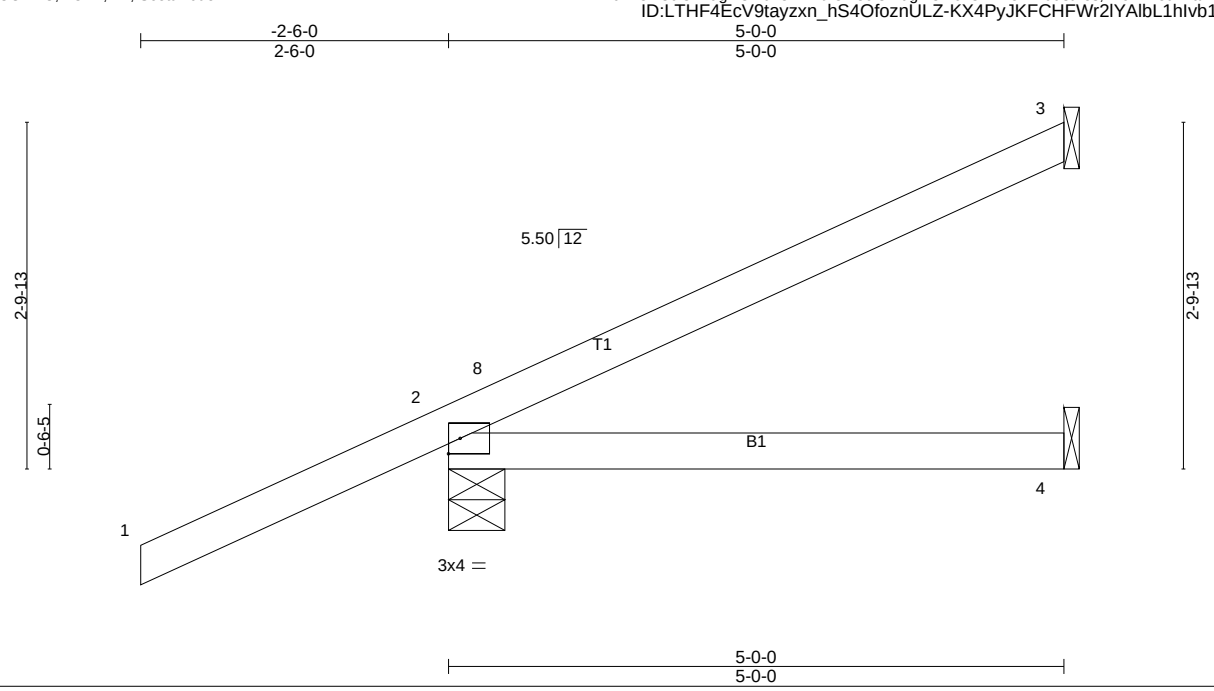

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.03	4-7	>999	240	Weight: 20 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 3=133/Mechanical, 2=441/0-5-8 (min. 0-1-8), 4=44/Mechanical
Max Horz 2=143(LC 12)
Max Uplift 3=-56(LC 12), 2=-164(LC 12)
Max Grav 3=133(LC 1), 2=441(LC 1), 4=87(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 4-11-4 zone; cantilever left and right exposed ; end vertical 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 except (jt=lb) 2=164.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J7	Jack-Open	43	1	Job Reference (optional)

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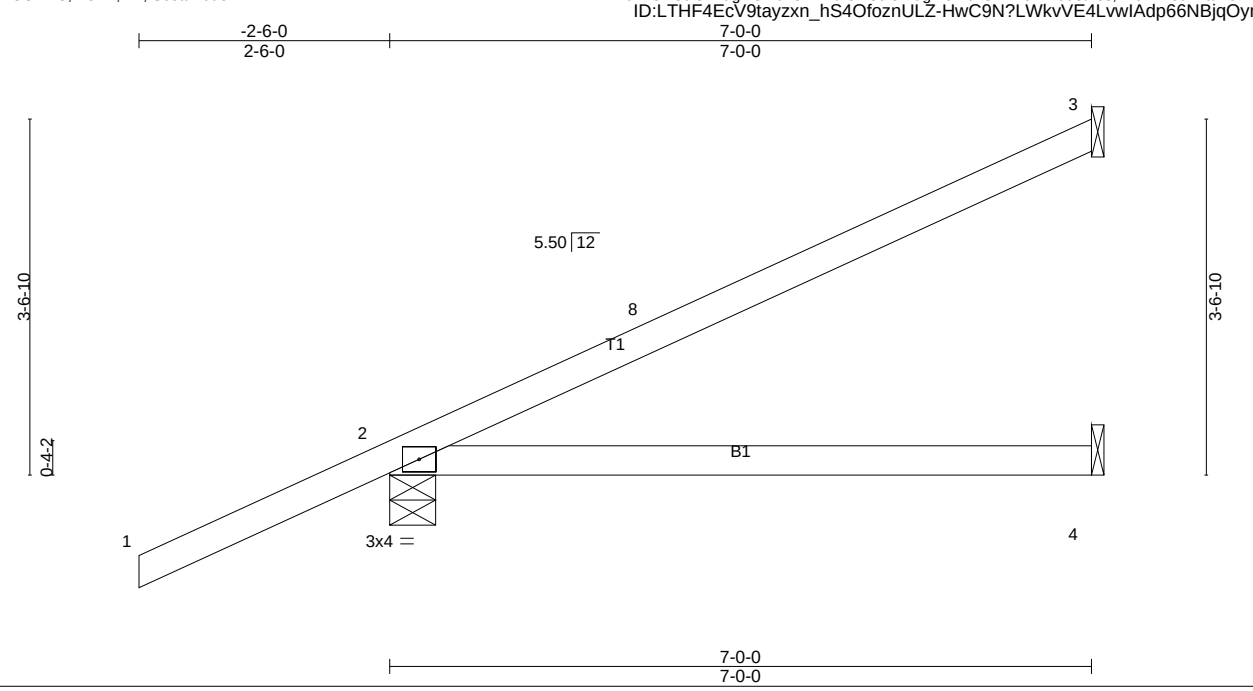

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.09	4-7	>912	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.23	4-7	>366	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.10	4-7	>827	240	Weight: 26 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 3=199/Mechanical, 2=519/0-5-8 (min. 0-1-8), 4=82/Mechanical
Max Horz 2=176(LC 12)
Max Uplift 3=-84(LC 12), 2=-167(LC 12)
Max Grav 3=199(LC 1), 2=519(LC 1), 4=128(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-7-1, Interior(1) 0-7-1 to 6-11-4 zone; cantilever left and right exposed ; end vertical 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 except (jt=lb) 2=167.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J7A	Jack-Open	9	1	Job Reference (optional)

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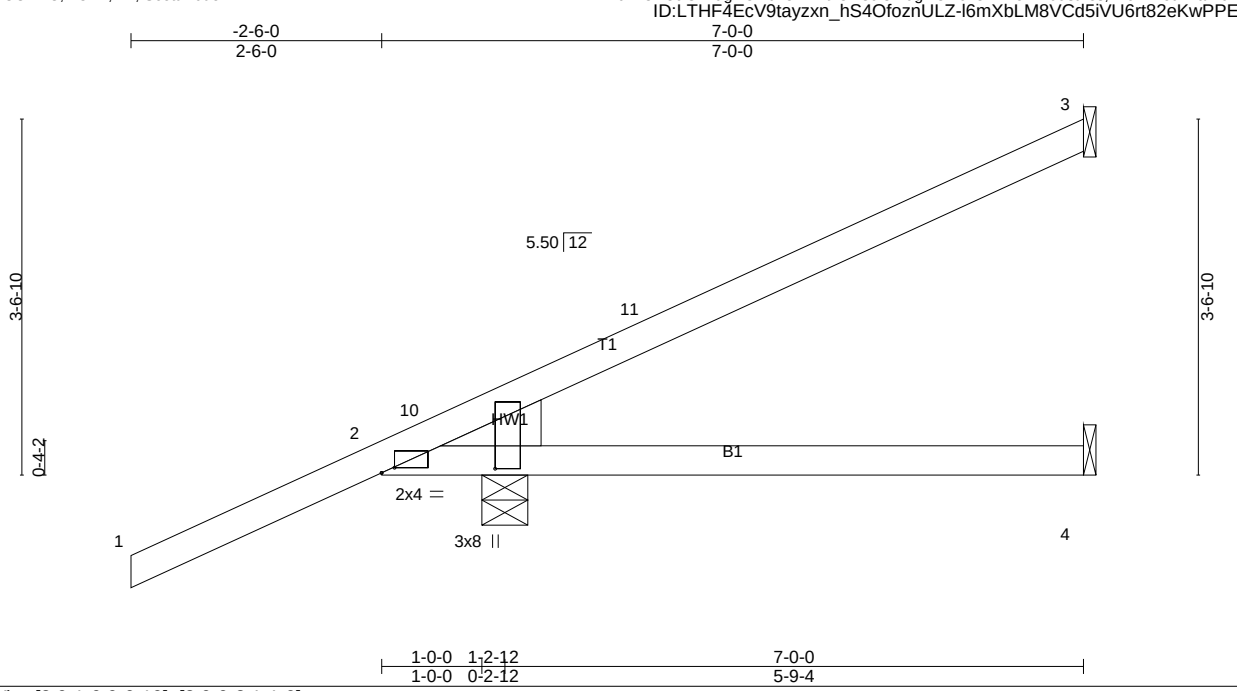

Plate Offsets (X,Y)-- [2:0-1-9,0-0-10], [2:0-0-8,1-1-9]

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)	-0.05	4-9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.09	4-9	>950	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.06	4-9	>999	240	Weight: 28 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-6 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=147/Mechanical, 4=46/Mechanical, 2=606/0-5-8 (min. 0-1-8)
Max Horz 2=176(LC 12)
Max Uplift 3=-62(LC 12), 2=-195(LC 12)
Max Grav 3=147(LC 1), 4=98(LC 3), 2=606(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-935/811

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 6-11-4 zone; cantilever left and right exposed ; end vertical 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 except (jt=lb) 2=195.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J7AU	Jack-Open	3	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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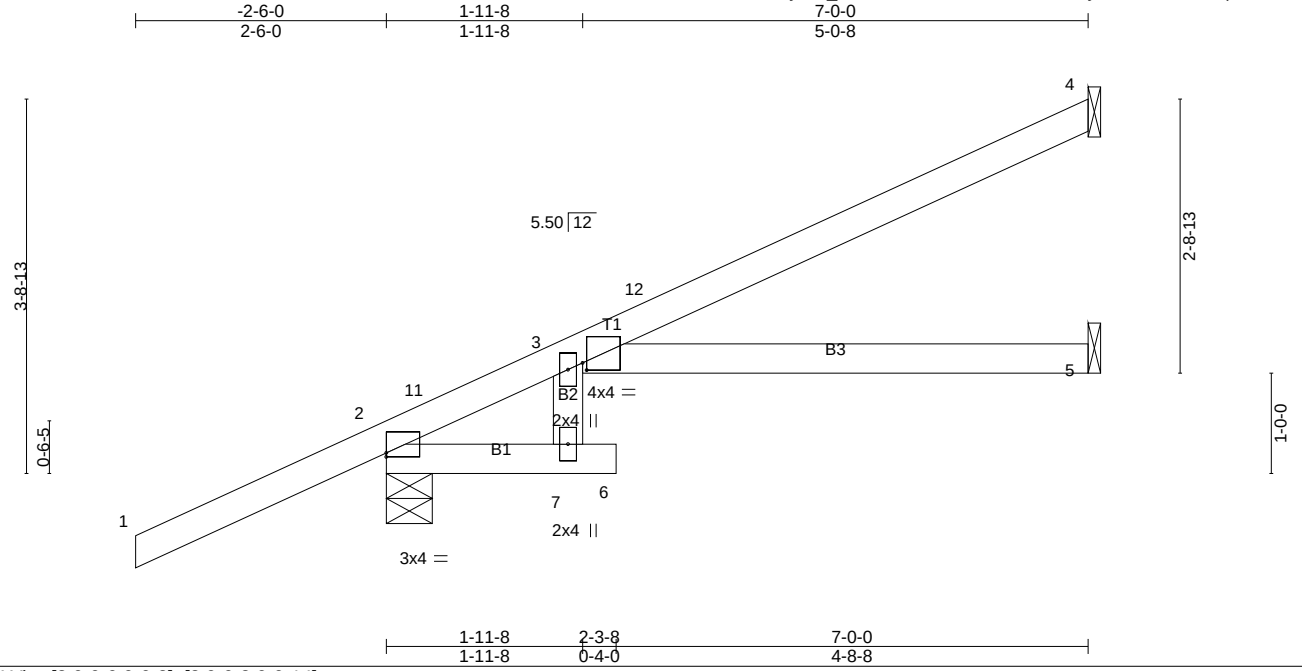

Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [3:0-0-8,0-0-14]

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	0.61	Vert(LL)	-0.10	3-5	>876	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.25	3-5	>327	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.12	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR		Wind(LL)	0.16	6	>520	240	Weight: 28 lb	FT = 10%

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

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) 4=187/Mechanical, 2=525/0-5-8 (min. 0-1-8), 5=96/Mechanical
Max Horz 2=176(LC 12)
Max Uplift 4=-74(LC 12), 2=-158(LC 12)
Max Grav 4=187(LC 1), 2=525(LC 1), 5=129(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 6-11-4 zone; cantilever left and right exposed ; end vertical 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) 2=158.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	J7U	Jack-Open	24	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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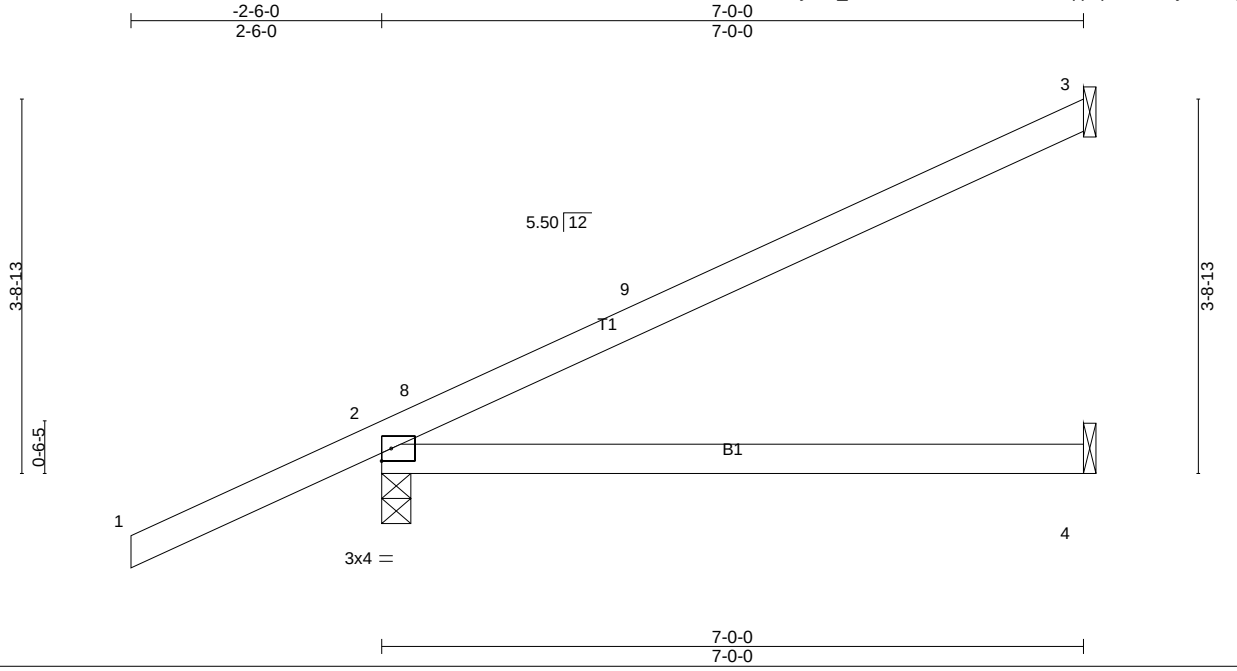

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.10	4-7	>856	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.23	4-7	>363	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	0.10	4-7	>876	240	Weight: 26 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 3=203/Mechanical, 2=519/0-3-8 (min. 0-1-8), 4=78/Mechanical
Max Horz 2=176(LC 12)
Max Uplift 3=-90(LC 12), 2=-162(LC 12)
Max Grav 3=203(LC 1), 2=519(LC 1), 4=129(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 6-11-4 zone; cantilever left and right exposed ; end vertical 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 except (jt=lb) 2=162.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	K3	Diagonal Hip Girder	4	1	Job Reference (optional)

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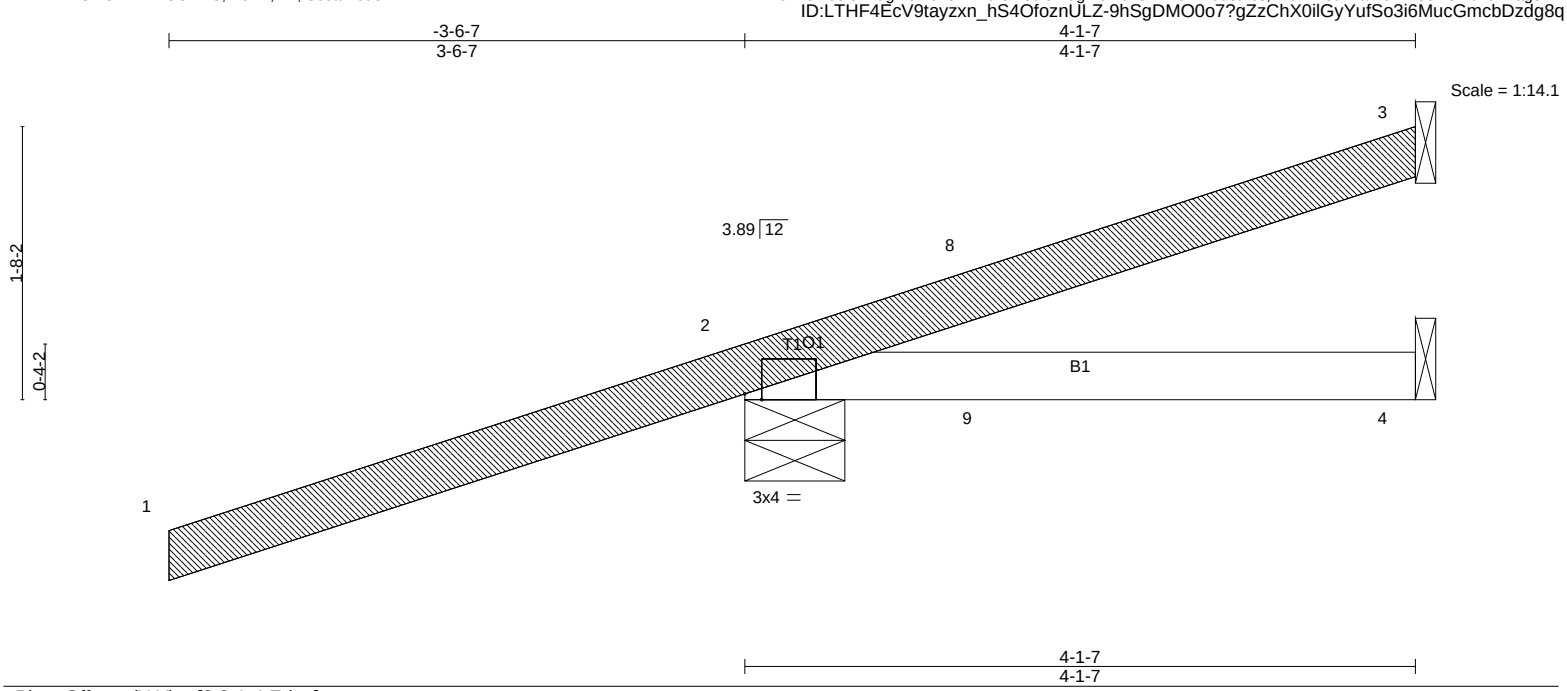

Plate Offsets (X,Y)-- [2:0-1-4,Edge]

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	0.59	Vert(LL)	0.01	4-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	0.04	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.03	4-7	>999	240	Weight: 30 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2
LBR SCAB 1-3 2x4 SP No.2 one side

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-7 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=-1/Mechanical, 2=360/0-7-6 (min. 0-1-8), 4=-29/Mechanical
Max Horz 2=109(LC 8)
Max Uplift 3=-49(LC 14), 2=-319(LC 8), 4=-49(LC 13)
Max Grav 2=360(LC 1), 4=20(LC 8)

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

NOTES-
1) Attached 8-1-11 scab 1 to 3, front face(s) 2x4 SP No.2 with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 2-8-10 from end at joint 1, nail 1 row(s) at 7" o.c. for 3-6-15.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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) 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) 3, 4 except (jt=lb) 2=319.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 14 lb down and 129 lb up at 1-6-1, and 14 lb down and 129 lb up at 1-6-1 on top chord, and 107 lb up at 1-6-1, and 107 lb up at 1-6-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-70, 4-5=-20
Concentrated Loads (lb)
Vert: 8=140(F=70, B=70) 9=142(F=71, B=71)

Job	Truss	Truss Type	Qty	Ply	
413220	K3U	Diagonal Hip Girder	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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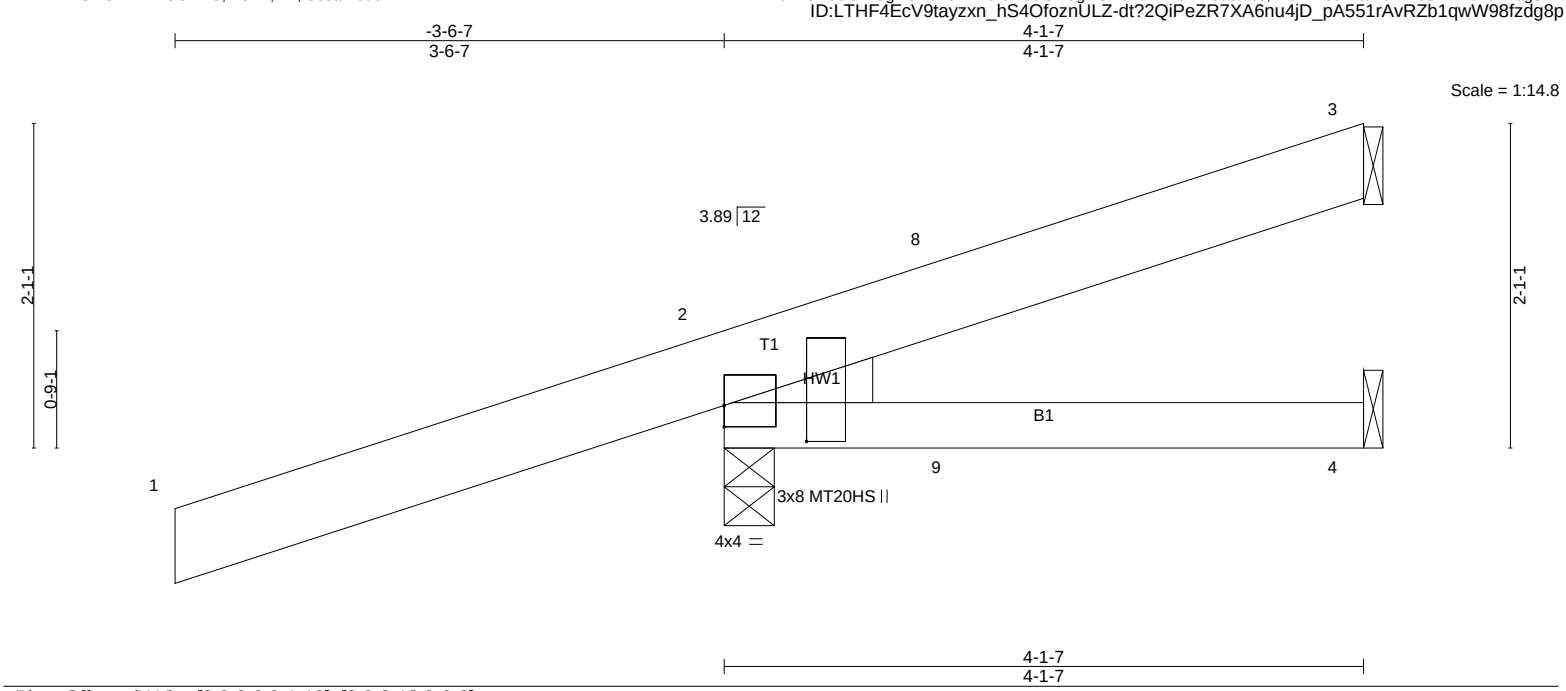

Plate Offsets (X,Y)-- [2:0-0-0,0-1-10], [2:0-2-12,0-6-6]

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	0.48	Vert(LL)	0.01	4-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	0.03	4-7	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.02	4-7	>999	240	Weight: 27 lb	FT = 10%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-7 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=-16/Mechanical, 2=360/0-3-14 (min. 0-1-8), 4=-14/Mechanical
Max Horz 2=109(LC 8)
Max Uplift 3=-68(LC 14), 2=-310(LC 8), 4=-29(LC 13)
Max Grav 2=360(LC 1), 4=21(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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) 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) 3, 4 except (jt=lb) 2=310.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 22 lb down and 114 lb up at 1-6-0, and 22 lb down and 114 lb up at 1-6-1 on top chord, and 122 lb up at 1-6-0, and 122 lb up at 1-6-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-70, 4-5=-20
Concentrated Loads (lb)
Vert: 8=123(F=62, B=62) 9=159(F=79, B=79)

Job	Truss	Truss Type	Qty	Ply	
413220	K5AU	DIAGONAL HIP GIRDER	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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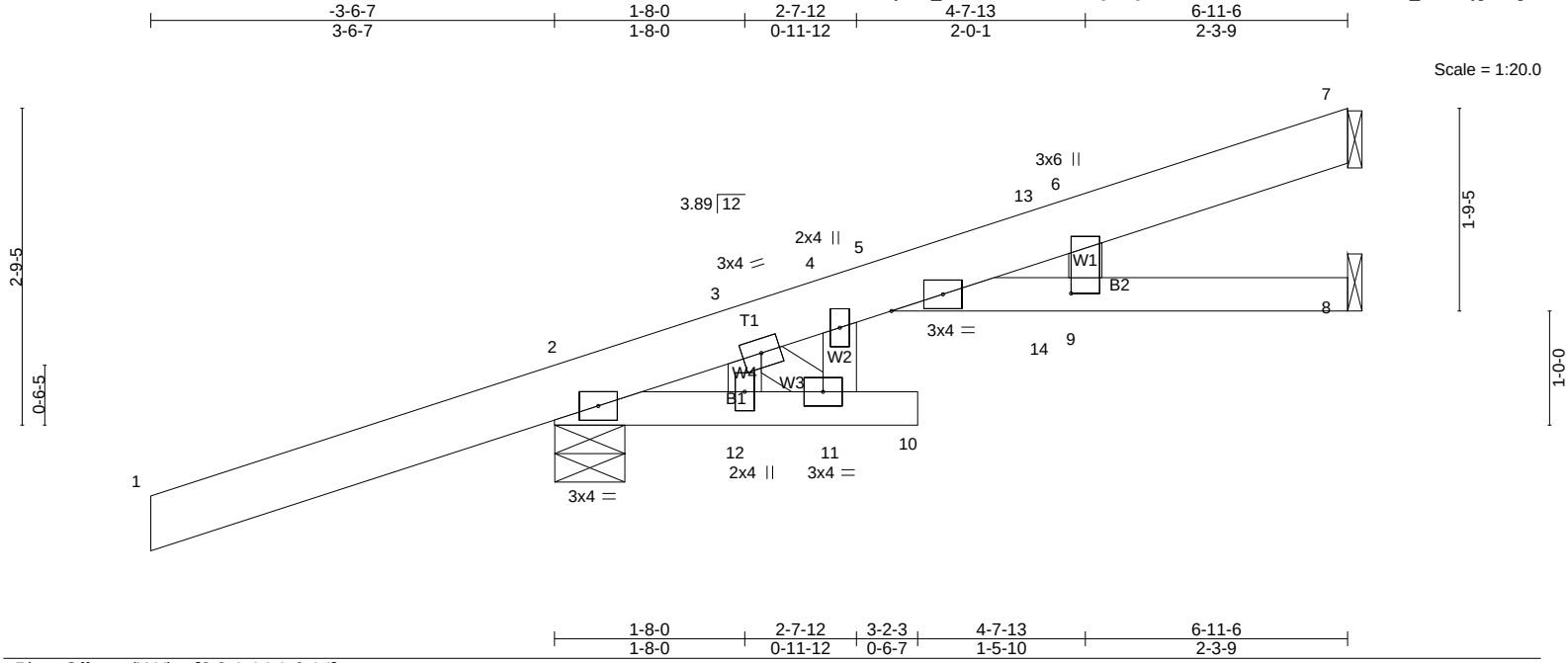

Plate Offsets (X,Y)-- [6:0-1-14,1-6-14]

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	0.57	Vert(LL)	-0.04	10	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.02	9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S		Wind(LL)	-0.03	10	>999	240	Weight: 40 lb	FT = 10%

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

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) 7=126/Mechanical, 2=422/0-7-6 (min. 0-1-8), 8=35/Mechanical
Max Horz 2=140(LC 8)
Max Uplift 7=-41(LC 5), 2=-332(LC 8)
Max Grav 7=126(LC 1), 2=422(LC 1), 8=57(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-228/707
BOT CHORD 2-12=-714/235, 11-12=-714/235
WEBS 4-11=-603/208, 3-11=-303/921

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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) 7 except (jt=lb) 2=332.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 11 lb down and 137 lb up at 1-6-1, 11 lb down and 137 lb up at 1-6-1, and 13 lb down and 20 lb up at 4-4-0, and 13 lb down and 20 lb up at 4-4-0 on top chord, and 99 lb up at 1-6-1, 99 lb up at 1-6-1, and 0 lb up at 4-4-0, and 0 lb up at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-7=-70, 2-10=-20, 5-8=-20
Concentrated Loads (lb)
Vert: 3=150(F=75, B=75) 12=132(F=66, B=66) 14=1(F=0, B=0)

Job	Truss	Truss Type	Qty	Ply	
413220	K5E	Diagonal Hip Girder	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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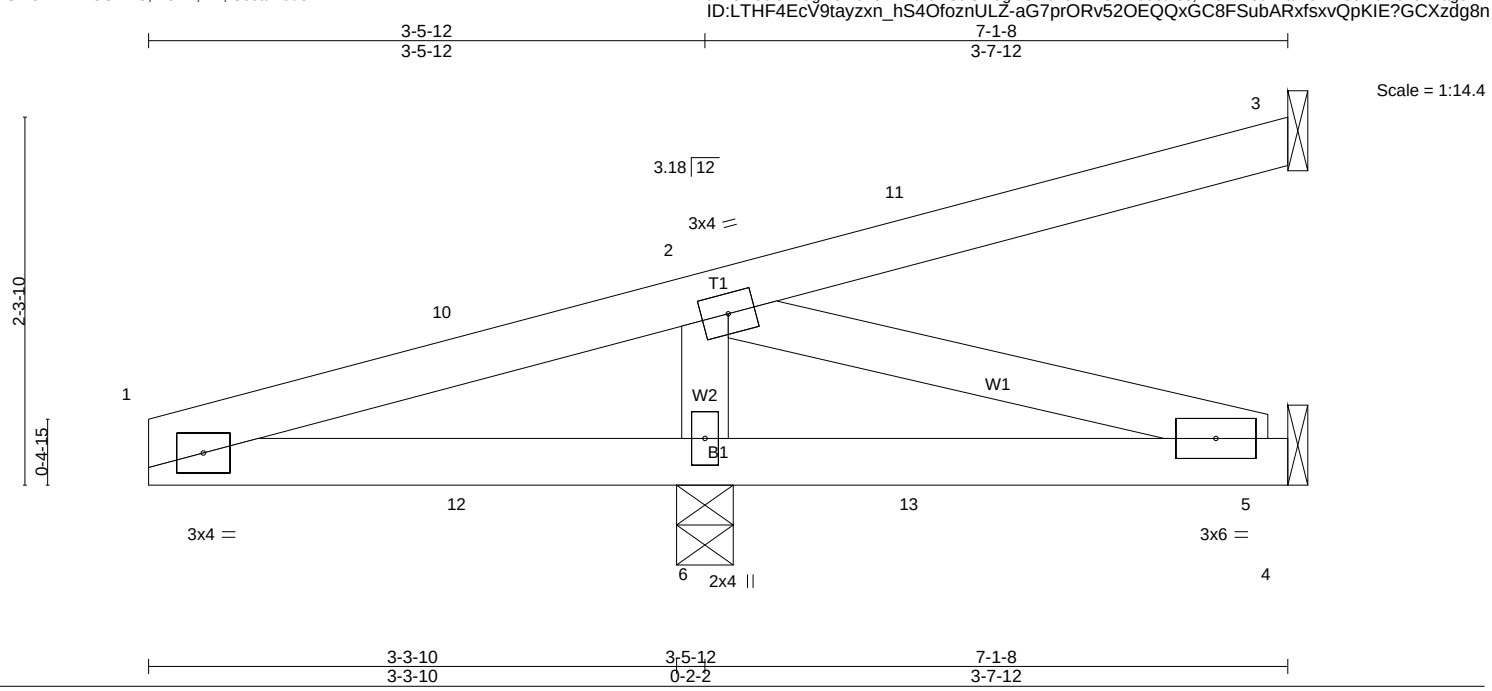

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.01	5-6	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 28 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-12 oc bracing.

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

REACTIONS. (lb/size) 3=57/Mechanical, 6=945/0-4-4 (min. 0-1-8), 5=-243/Mechanical
Max Horz 6=71(LC 4)
Max Uplift 3=-26(LC 4), 6=-309(LC 4), 5=-255(LC 16)
Max Grav 3=57(LC 1), 6=945(LC 1), 5=70(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-284/927, 2-10=-280/966
BOT CHORD 1-12=-896/289, 6-12=-896/289, 6-13=-896/218, 5-13=-896/218
WEBS 2-6=-749/222, 2-5=-227/934

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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) 3 except (jt=lb) 6=309, 5=255.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3 lb down and 15 lb up at 2-0-6, 3 lb down and 15 lb up at 2-0-6, 26 lb down and 94 lb up at 4-10-6, 26 lb down and 94 lb up at 4-10-6, and 84 lb down and 16 lb up at 0-0-0, and 84 lb down and 16 lb up at 0-0-0 on top chord, and 7 lb down at 2-0-6, 7 lb down at 2-0-6, and 19 lb down and 39 lb up at 4-10-6, and 19 lb down and 39 lb up at 4-10-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-3=-70, 4-7=-20
Concentrated Loads (lb)
Vert: 1=-168(F=-84, B=-84) 11=98(F=49, B=49) 12=-14(F=-7, B=-7) 13=-38(F=-19, B=-19)

Job	Truss	Truss Type	Qty	Ply	
413220	K5U	Diagonal Hip Girder	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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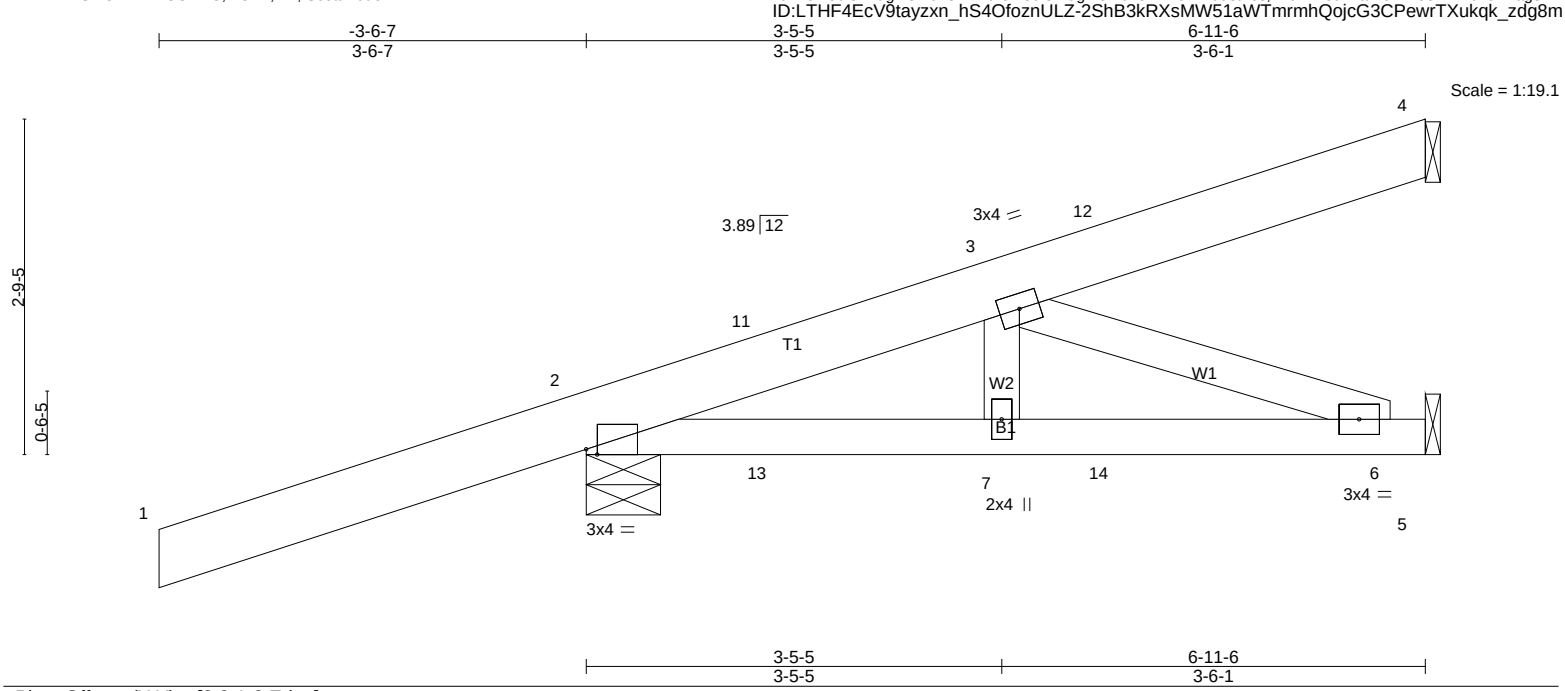

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

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	0.48	Vert(LL)	-0.01	6-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.02	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP		Wind(LL)	-0.01	7-10	>999	240	Weight: 43 lb	FT = 10%

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

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) 4=135/Mechanical, 2=393/0-7-6 (min. 0-1-8), 5=37/Mechanical
Max Horz 2=142(LC 8)
Max Uplift 4=-54(LC 8), 2=-315(LC 8), 5=-21(LC 13)
Max Grav 4=135(LC 1), 2=393(LC 1), 5=85(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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, 5 except (jt=lb) 2=315.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9 lb down and 137 lb up at 1-6-1, 9 lb down and 137 lb up at 1-6-1, and 4 lb down and 30 lb up at 4-4-0, and 4 lb down and 30 lb up at 4-4-0 on top chord, and 99 lb up at 1-6-1 , 99 lb up at 1-6-1, and 10 lb up at 4-4-0, and 10 lb up at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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=-70, 5-8=-20
Concentrated Loads (lb)
Vert: 11=150(F=75, B=75) 13=132(F=66, B=66) 14=20(F=10, B=10)

Job	Truss	Truss Type	Qty	Ply	
413220	K7	Diagonal Hip Girder	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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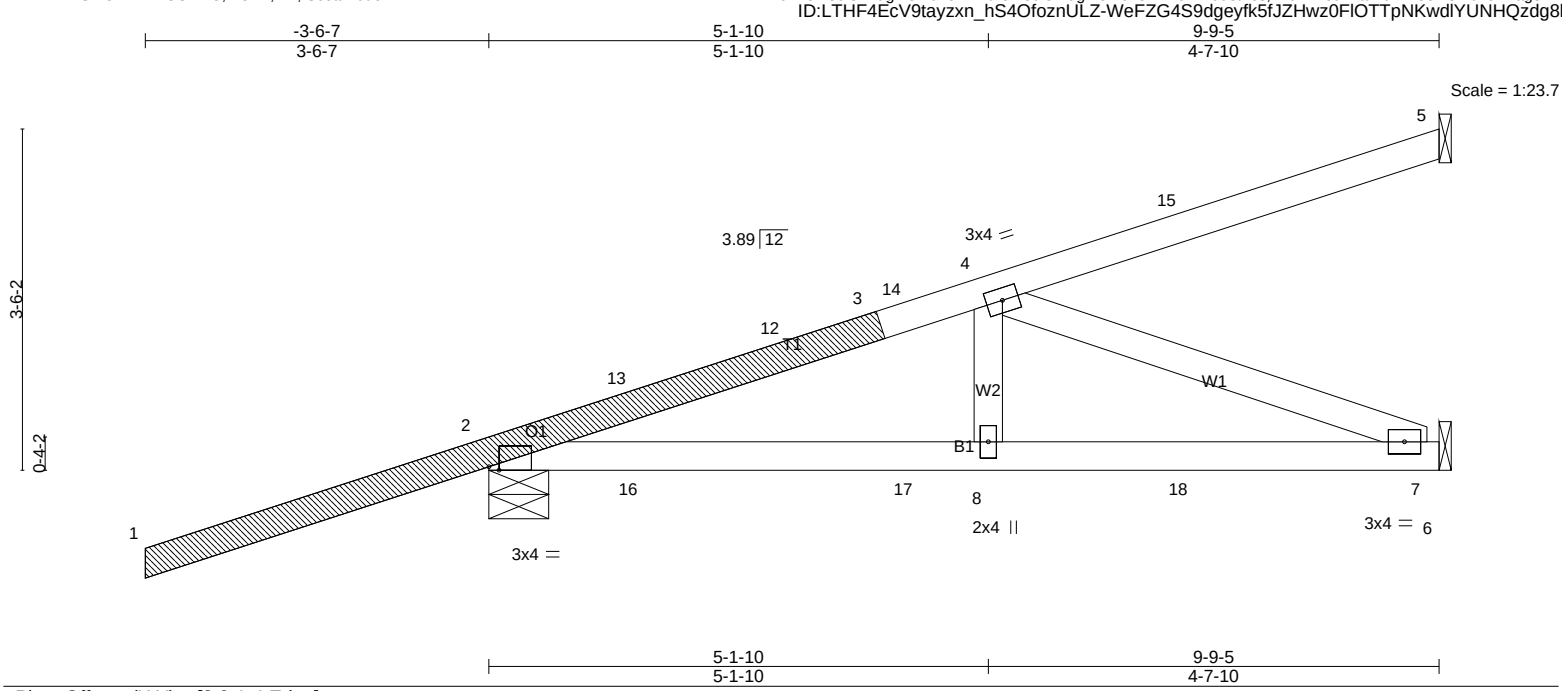

Plate Offsets (X,Y)-- [2:0-1-4,Edge]

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	0.59	Vert(LL)	-0.03	7-8	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.07	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	-0.04	8-11	>999	240	Weight: 56 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
LBR SCAB 1-3 2x4 SP No.2 one side

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) 5=172/Mechanical, 2=517/0-7-6 (min. 0-1-8), 7=275/Mechanical
Max Horz 2=175(LC 8)
Max Uplift 5=-74(LC 8), 2=-331(LC 8), 7=-26(LC 5)
Max Grav 5=172(LC 1), 2=517(LC 1), 7=292(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-574/91, 12-13=-602/90, 3-12=-568/94, 3-14=-541/97, 4-14=-533/99
BOT CHORD 2-16=-152/524, 16-17=-152/524, 8-17=-152/524, 8-18=-152/524, 7-18=-152/524
WEBS 4-7=-560/163

NOTES-
1) Attached 8-0-0 scab 1 to 3, front face(s) 2x4 SP No.2 with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 2-8-10 from end at joint 1, nail 1 row(s) at 7" o.c. for 5-2-13.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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) 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) 5, 7 except (jt=lb) 2=331.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 14 lb down and 129 lb up at 1-6-1, 14 lb down and 129 lb up at 1-6-1, 5 lb down and 26 lb up at 4-4-0, 5 lb down and 26 lb up at 4-4-0, and 49 lb down and 89 lb up at 7-1-15, and 31 lb down and 71 lb up at 7-1-15 on top chord, and 107 lb up at 1-6-1, 107 lb up at 1-6-1, 8 lb up at 4-4-0, 8 lb up at 4-4-0, and 40 lb down at 7-1-15, and 29 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-70, 6-9=-20
Concentrated Loads (lb)
Vert: 13=140(F=70, B=70) 15=-80(F=-49, B=-31) 16=142(F=71, B=71) 17=16(F=8, B=8) 18=-60(F=-40, B=-20)

Job	Truss	Truss Type	Qty	Ply	
413220	K7A	Diagonal Hip Girder	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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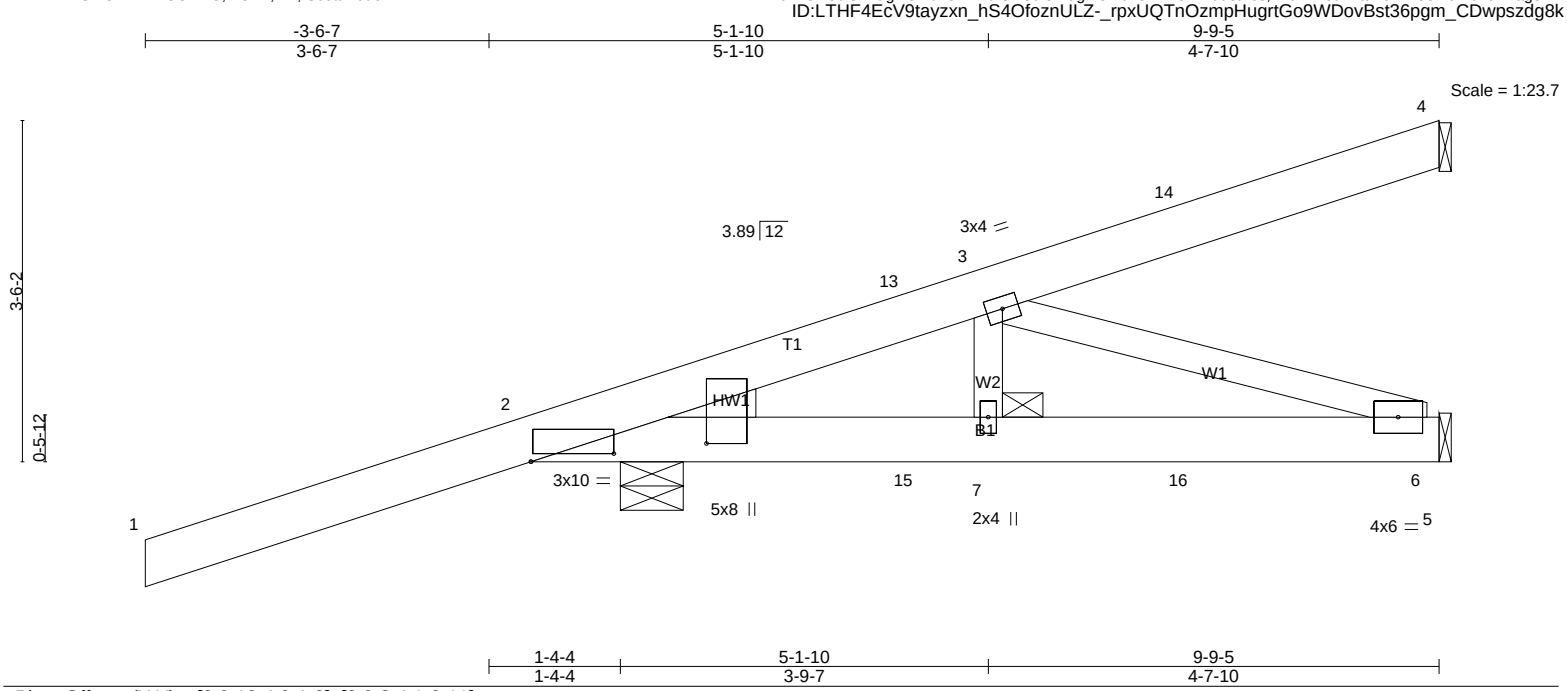

Plate Offsets (X,Y)-- [2:0-10-4,0-1-0], [2:0-2-4,1-9-11]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.65	Vert(LL)	-0.02	8	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL 1.25	BC	0.29	Vert(CT)	-0.03	8	>999	240		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.08	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS		Wind(LL)	0.02	8	>999	240	Weight: 65 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 7

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

REACTIONS. (lb/size) 4=175/Mechanical, 2=1076/0-7-12 (min. 0-1-8), 6=-9/Mechanical
Max Horz 2=178(LC 8)
Max Uplift4=-76(LC 8), 2=-407(LC 8), 6=-72(LC 13)
Max Grav4=175(LC 1), 2=1076(LC 1), 6=85(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-166/362, 3-13=-170/375
BOT CHORD 2-15=-405/108, 7-15=-405/108, 7-16=-405/108, 6-16=-405/108
WEBS 3-6=-115/427

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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, 6 except (jt=lb) 2=407.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 17 lb down and 129 lb up at 1-6-1, 7 lb down at 1-6-1, 5 lb down and 26 lb up at 4-4-0, 70 lb up at 4-4-0, 31 lb down and 71 lb up at 7-1-15, and 3 lb down and 63 lb up at 7-1-15, and 186 lb down and 32 lb up at -3-6-7 on top chord, and 65 lb down and 37 lb up at 1-6-1, 8 lb up at 4-4-0, 53 lb up at 4-4-0, and 29 lb down at 7-1-15, and 1 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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=-70, 5-8=-20
Concentrated Loads (lb)
Vert: 1=-186(F) 9=69(F=-1, B=70) 10=-65(F) 13=56(F) 14=-31(B) 15=50(F=42, B=8) 16=-21(F=-1, B=-20)

Job	Truss	Truss Type	Qty	Ply	
413220	K7AU	DIAGONAL HIP GIRDER	1	1	Job Reference (optional)

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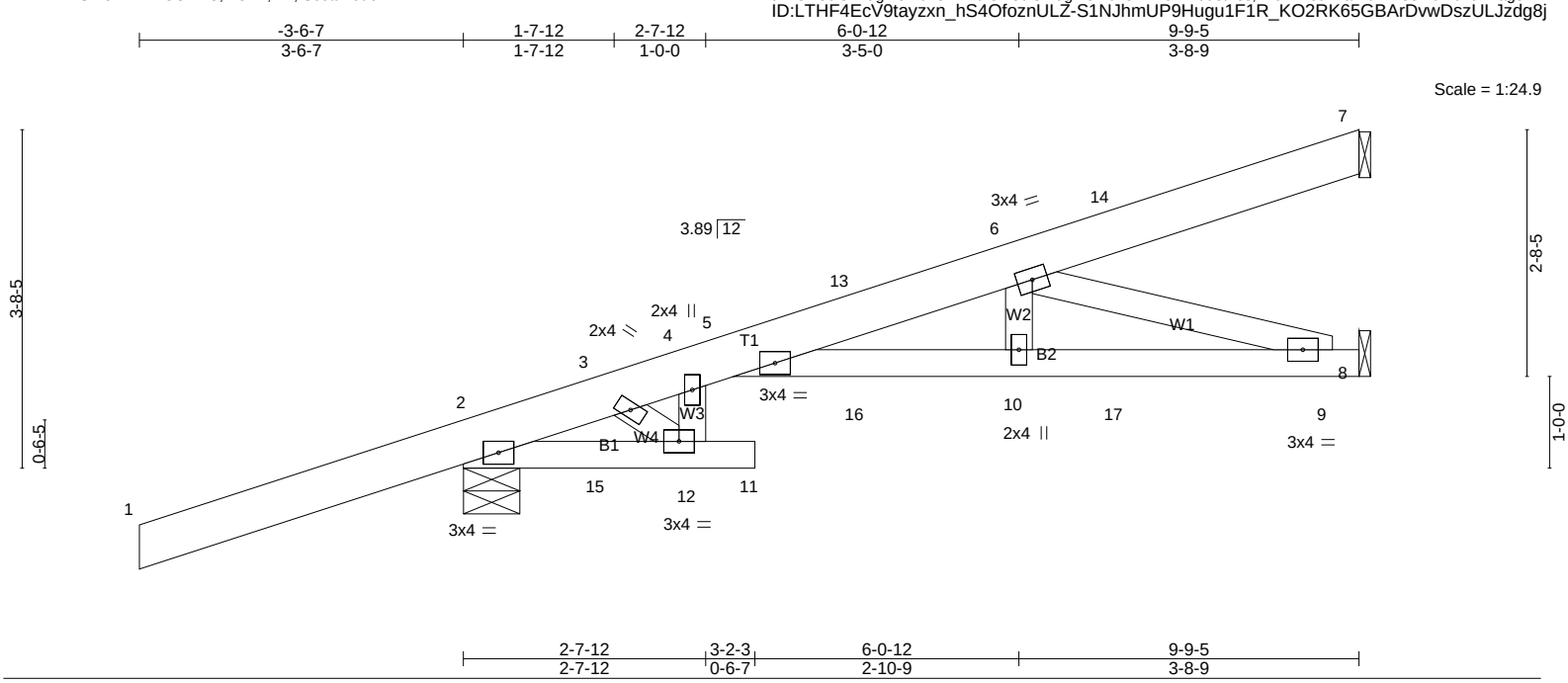

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.07	11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.10	11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S		Wind(LL)	0.03	11	>999	240	Weight: 56 lb	FT = 10%

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

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: 2-12.

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

REACTIONS. (lb/size) 7=126/Mechanical, 2=535/0-7-6 (min. 0-1-8), 8=286/Mechanical
Max Horz 2=172(LC 8)
Max Uplift 7=-49(LC 8), 2=-334(LC 8), 8=-20(LC 5)
Max Grav 7=126(LC 1), 2=535(LC 1), 8=308(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-290/546, 5-13=-847/81, 6-13=-822/89
BOT CHORD 2-15=-596/257, 12-15=-596/257, 5-16=-139/799, 10-16=-139/799, 10-17=-139/799, 9-17=-139/799
WEBS 4-12=-493/169, 6-10=0/256, 6-9=-839/146, 3-12=-315/728

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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) 7, 8 except (jt=lb) 2=334.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 11 lb down and 137 lb up at 1-6-1, 11 lb down and 137 lb up at 1-6-1, 13 lb down and 20 lb up at 4-4-0, 13 lb down and 20 lb up at 4-4-0, and 31 lb down and 62 lb up at 7-1-15 , and 31 lb down and 62 lb up at 7-1-15 on top chord, and 99 lb up at 1-6-1, 99 lb up at 1-6-1, 0 lb up at 4-4-0, 0 lb up at 4-4-0, and 35 lb down at 7-1-15, and 35 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-7=-70, 2-11=-20, 5-8=-20
Concentrated Loads (lb)
Vert: 3=150(F=75, B=75) 14=-39(F=-19, B=-19) 15=132(F=66, B=66) 16=1(F=0, B=0) 17=-70(F=-35, B=-35)

Job	Truss	Truss Type	Qty	Ply	
413220	K7U	Diagonal Hip Girder	3	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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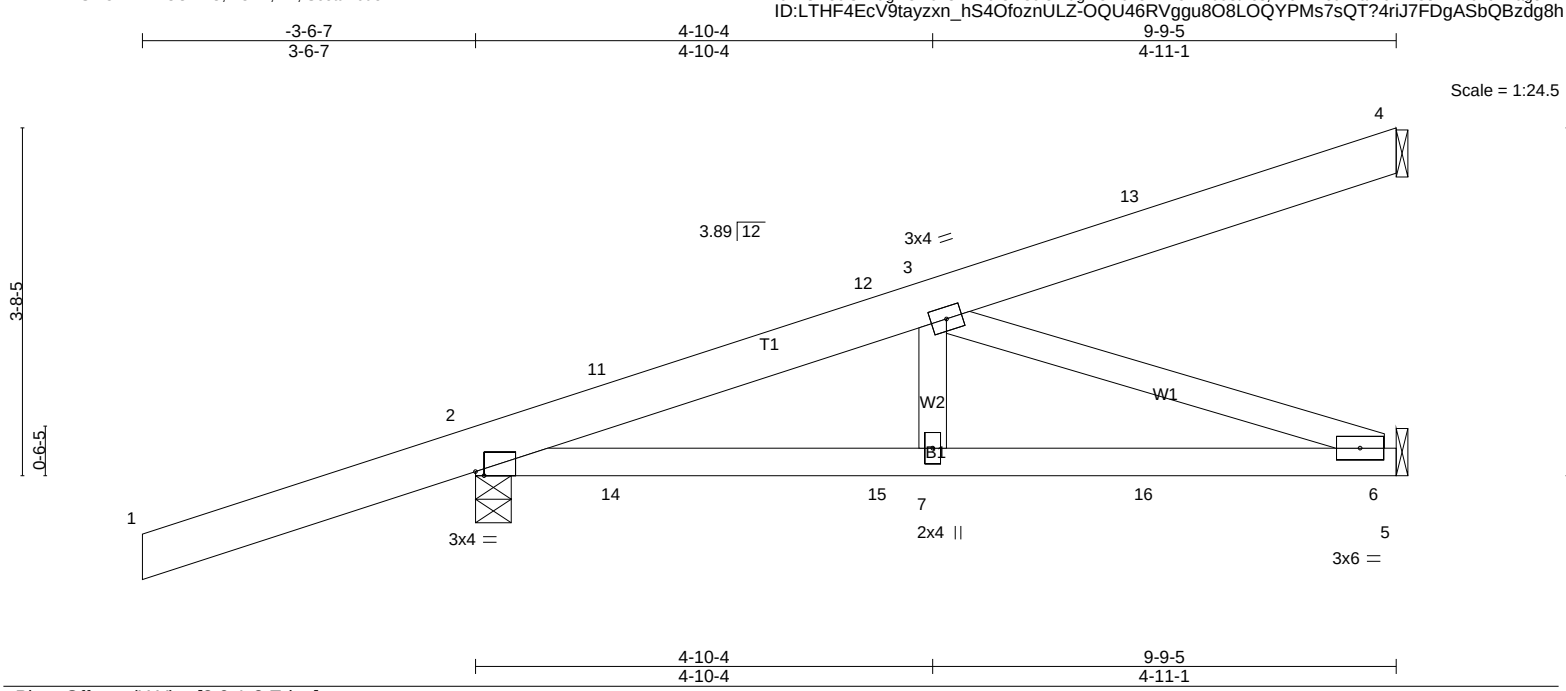

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

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	0.48	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.08	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Wind(LL)	-0.02	7-10	>999	240	Weight: 57 lb	FT = 10%

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

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

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

REACTIONS. (lb/size) 4=197/Mechanical, 2=505/0-4-9 (min. 0-1-8), 6=220/Mechanical
Max Horz 2=175(LC 8)
Max Uplift 4=-82(LC 8), 2=-329(LC 8), 6=-22(LC 5)
Max Grav 4=197(LC 1), 2=505(LC 1), 6=262(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-488/91, 11-12=-518/95, 3-12=-457/96
BOT CHORD 2-14=-152/433, 14-15=-152/433, 7-15=-152/433, 7-16=-152/433, 6-16=-152/433
WEBS 3-6=-460/161

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical 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, 6 except (jt=lb) 2=329.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9 lb down and 137 lb up at 1-6-1, 9 lb down and 137 lb up at 1-6-1, 4 lb down and 30 lb up at 4-4-0, 4 lb down and 30 lb up at 4-4-0, and 34 lb down and 77 lb up at 7-1-15, and 34 lb down and 77 lb up at 7-1-15 on top chord, and 99 lb up at 1-6-1, 99 lb up at 1-6-1, 10 lb up at 4-4-0, 10 lb up at 4-4-0, and 30 lb down at 7-1-15, and 30 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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=-70, 5-8=-20
Concentrated Loads (lb)
Vert: 11=150(F=75, B=75) 13=-69(F=-34, B=-34) 14=132(F=66, B=66) 15=20(F=10, B=10) 16=-32(F=-16, B=-16)

Job	Truss	Truss Type	Qty	Ply	
413220	V1	GABLE	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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6-11-5 | 13-10-10
6-11-5 | 6-11-5

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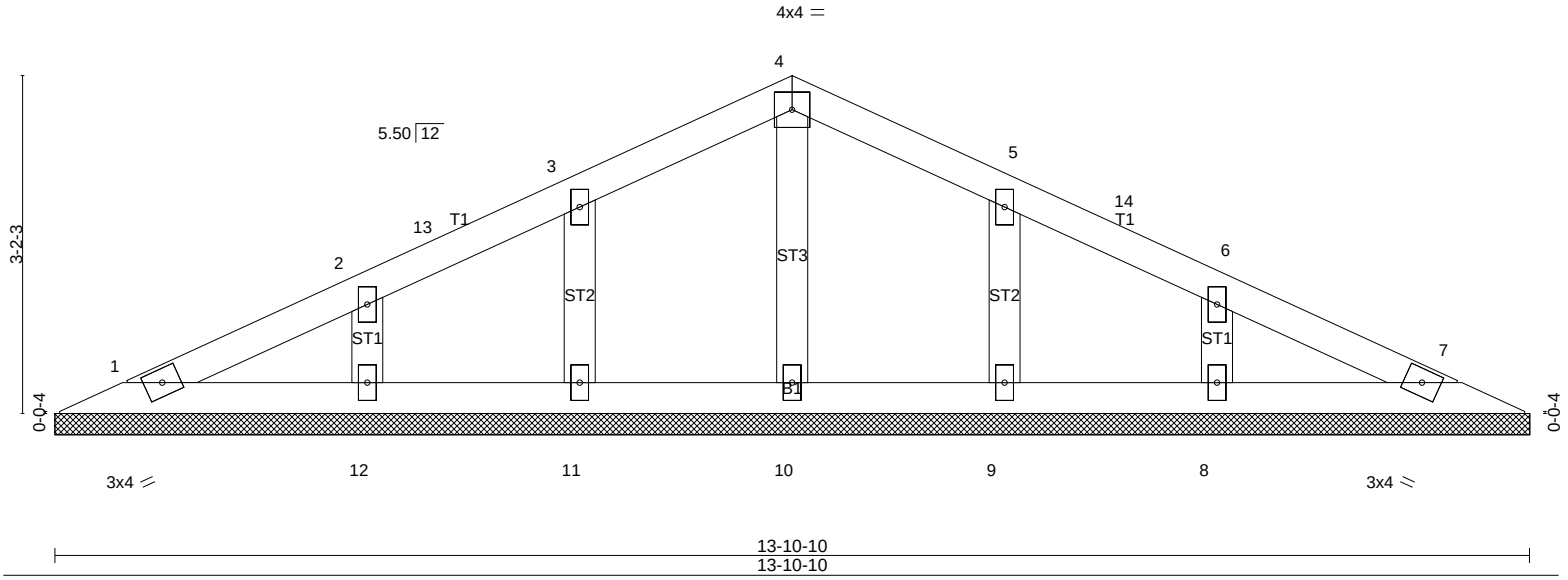

13-10-10
13-10-10

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 52 lb	FT = 10%

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

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 13-10-10.
(lb) - Max Horz 1=-52(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-8-4 to 3-8-4, Interior(1) 3-8-4 to 6-11-5, Exterior(2) 6-11-5 to 9-11-5, Interior(1) 9-11-5 to 13-2-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 11, 12, 9, 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V2	GABLE	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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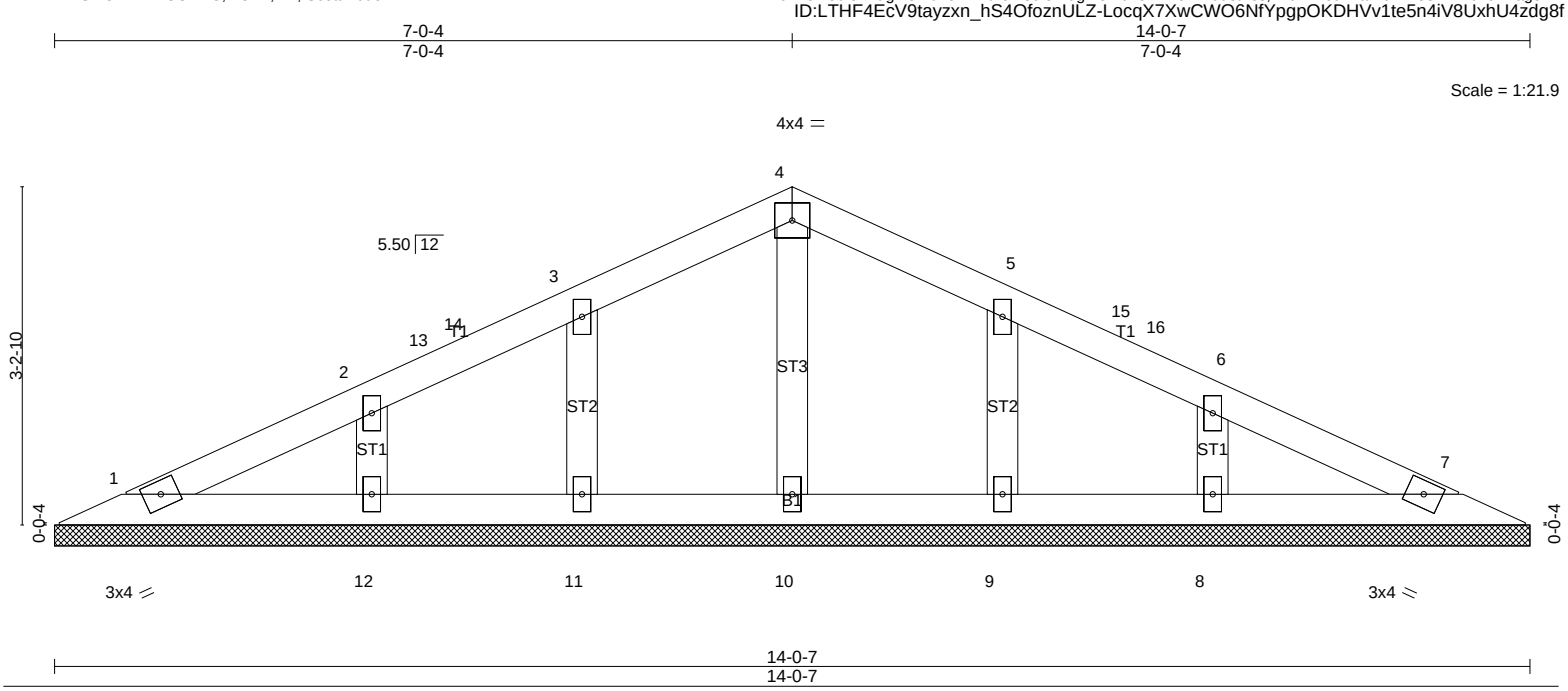

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 53 lb	FT = 10%

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

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 14-0-7.
(lb) - Max Horz 1=-53(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-8-4 to 3-8-4, Interior(1) 3-8-4 to 7-0-4, Exterior(2) 7-0-4 to 10-0-4, Interior(1) 10-0-4 to 13-4-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 11, 12, 9, 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V3	Valley	1	1	Job Reference (optional)

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Run: 8.230 s Aug 28 2018 Print: 8.230 s Aug 28 2018 MiTek Industries, Inc. Wed Mar 6 11:33:25 2019 Page 1
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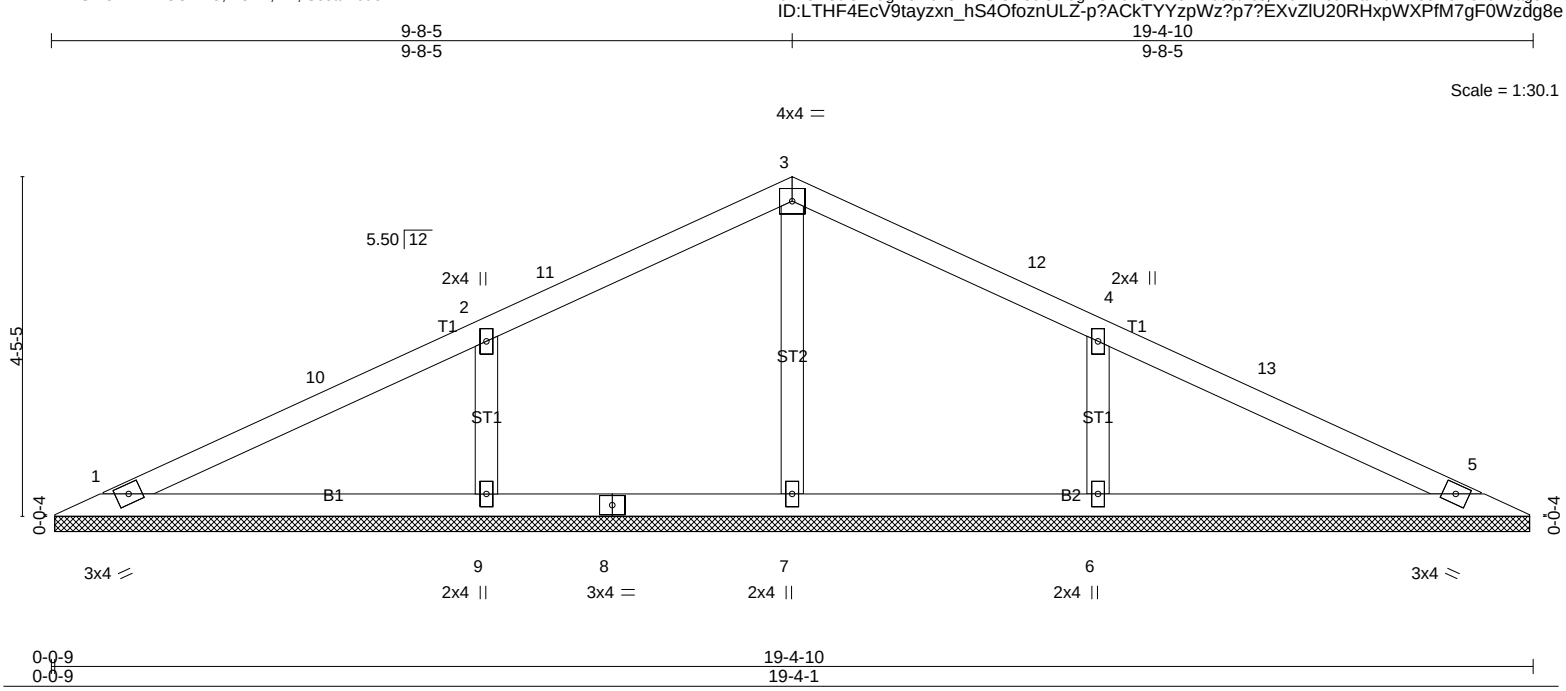

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 70 lb	FT = 10%

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

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 19-3-8.
(lb) - Max Horz 1=75(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-129(LC 12), 6=-129(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=252(LC 1), 9=499(LC 21), 6=499(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-380/221, 4-6=-380/221

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-8-4 to 3-8-4, Interior(1) 3-8-4 to 9-8-5, Exterior(2) 9-8-5 to 12-8-5, Interior(1) 12-8-5 to 18-8-6 zone; cantilever left and right exposed ; end vertical left and right exposed;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) 1, 5 except (jt=lb) 9=129, 6=129.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V4	Valley	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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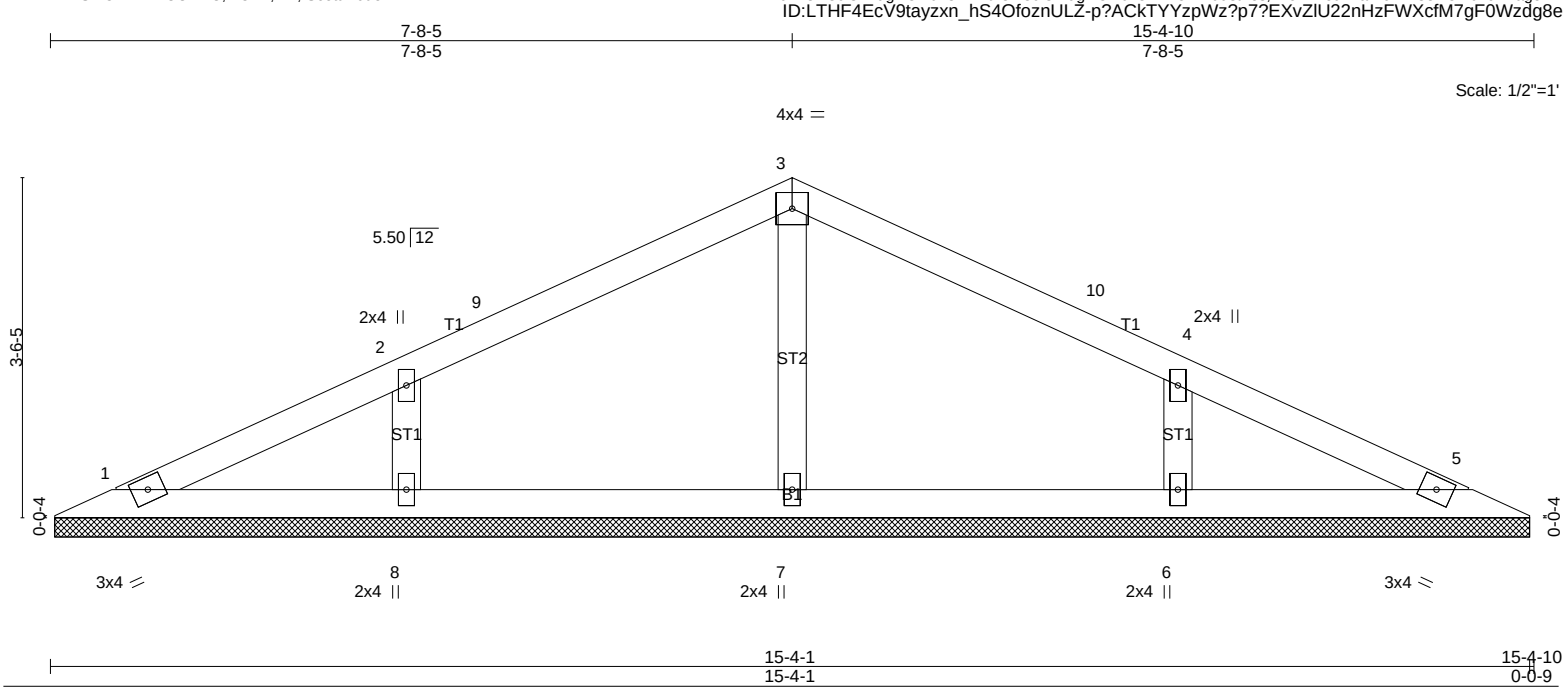

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 53 lb	FT = 10%

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

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 15-3-8.
(lb) - Max Horz 1=-59(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=317(LC 1), 8=374(LC 21), 6=374(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-293/185, 4-6=-293/185

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-8-4 to 3-8-5, Interior(1) 3-8-5 to 7-8-5, Exterior(2) 7-8-5 to 10-8-5, Interior(1) 10-8-5 to 14-8-6 zone; cantilever left and right exposed ; end vertical left and right exposed;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) 1, 5, 8, 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V5	Valley	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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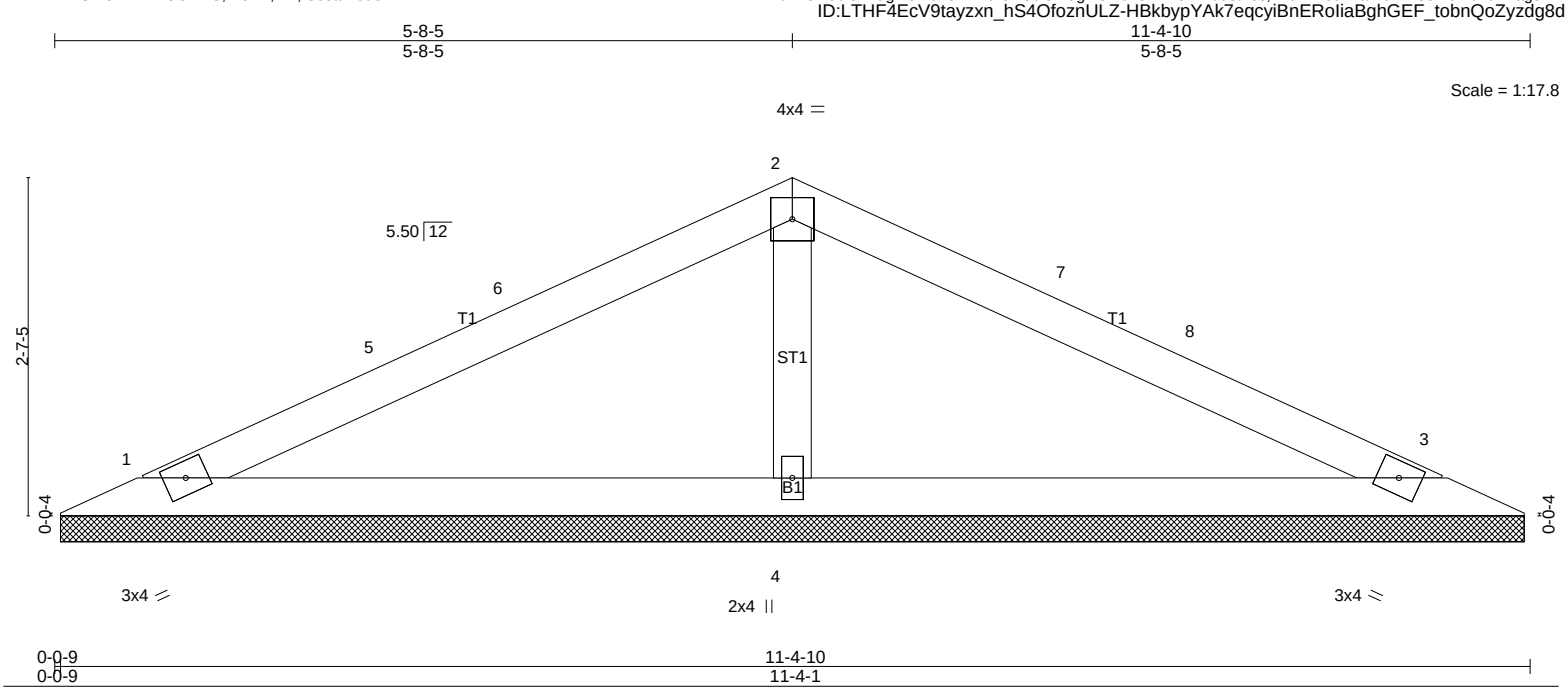

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 36 lb	FT = 10%

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

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=202/11-3-8 (min. 0-1-8), 3=202/11-3-8 (min. 0-1-8), 4=497/11-3-8 (min. 0-1-8)
Max Horz 1=-42(LC 10)
Max Uplift 1=-46(LC 12), 3=-46(LC 12), 4=-63(LC 12)
Max Grav 1=205(LC 21), 3=205(LC 22), 4=497(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-346/191

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-8-4 to 3-8-4, Interior(1) 3-8-4 to 5-8-5, Exterior(2) 5-8-5 to 8-8-5, Interior(1) 8-8-5 to 10-8-6 zone; cantilever left and right exposed ; end vertical left and right exposed;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) 1, 3, 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V6	Valley	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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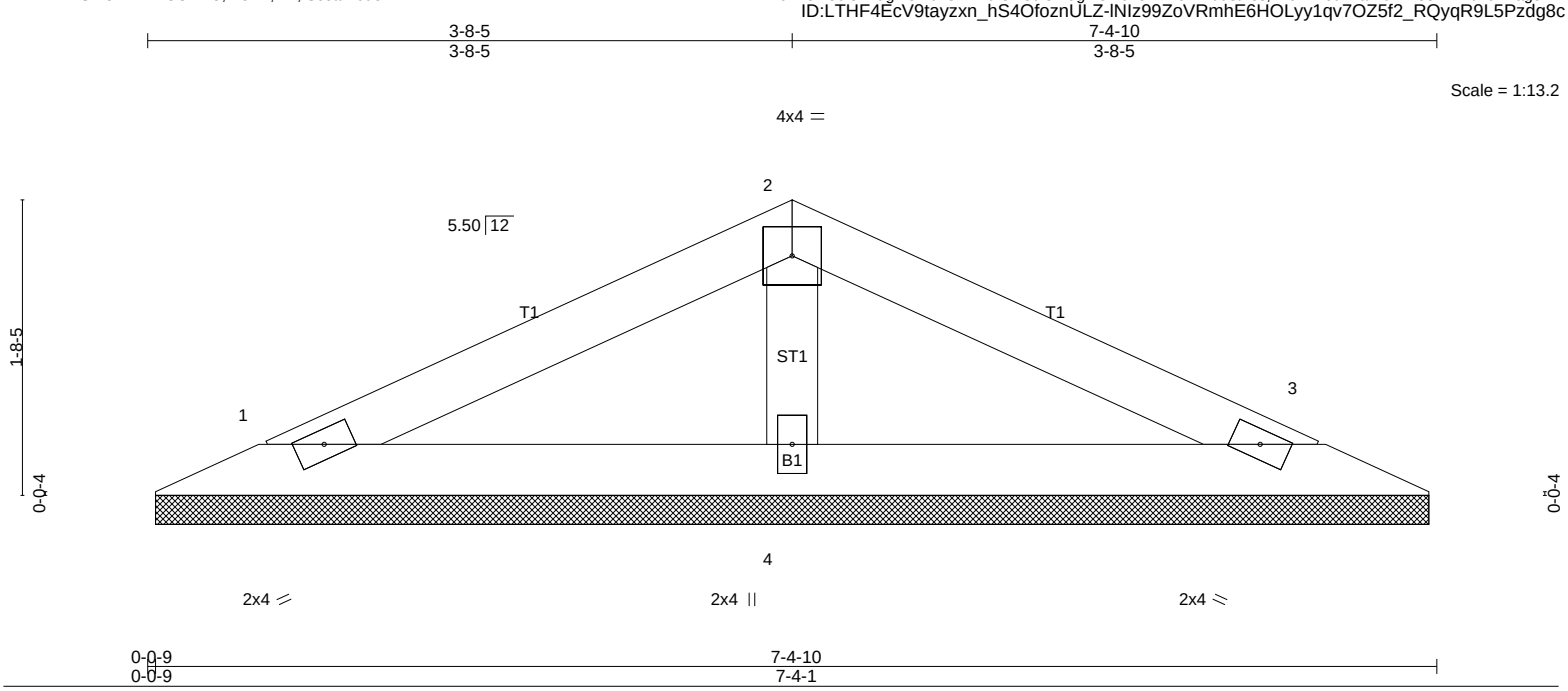

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 22 lb	FT = 10%

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

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=136/7-3-8 (min. 0-1-8), 3=136/7-3-8 (min. 0-1-8), 4=269/7-3-8 (min. 0-1-8)
Max Horz 1=-25(LC 10)
Max Uplift1=-35(LC 12), 3=-35(LC 12), 4=-22(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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;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) 1, 3, 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V7	Valley	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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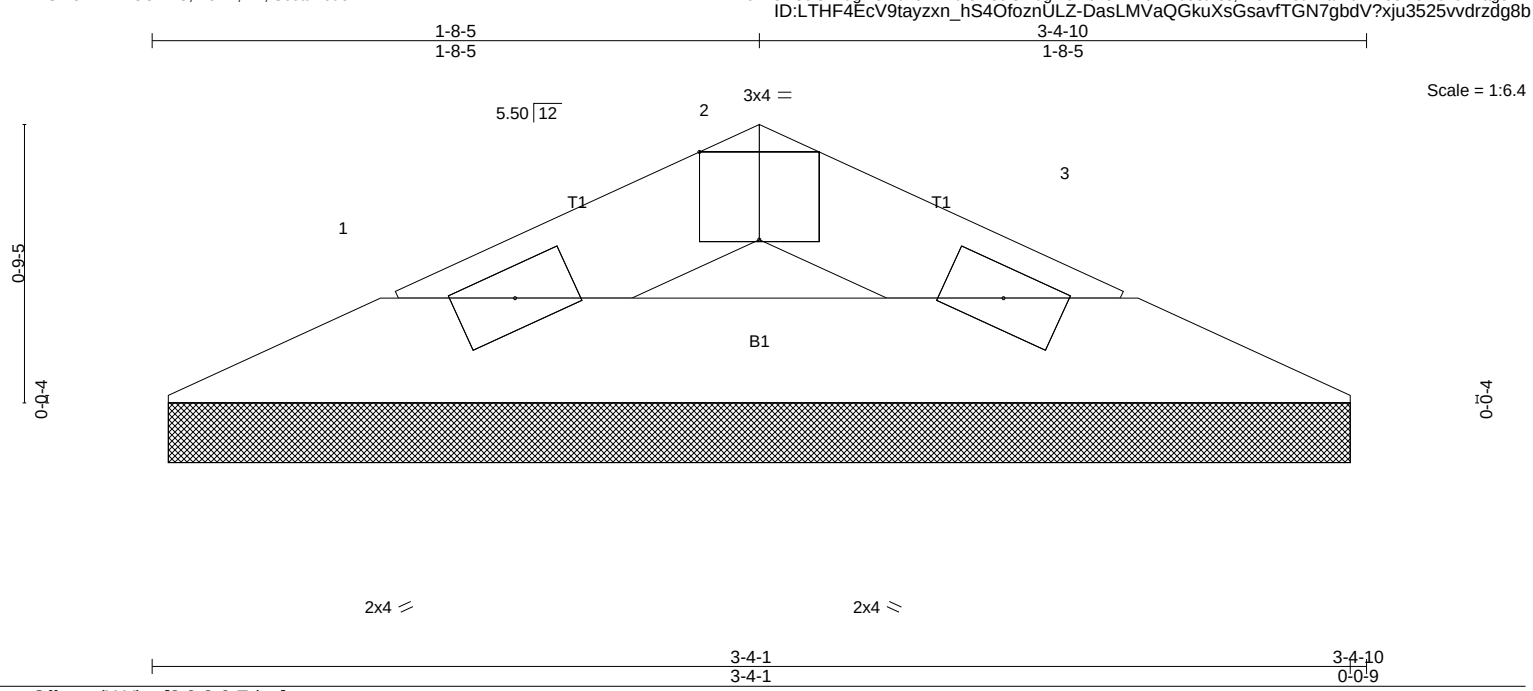

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
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-P							Weight: 8 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-10 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=90/3-3-8 (min. 0-1-8), 3=90/3-3-8 (min. 0-1-8)
Max Horz 1=9(LC 11)
Max Uplift1=-16(LC 12), 3=-16(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=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;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) 1, 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V8	Valley	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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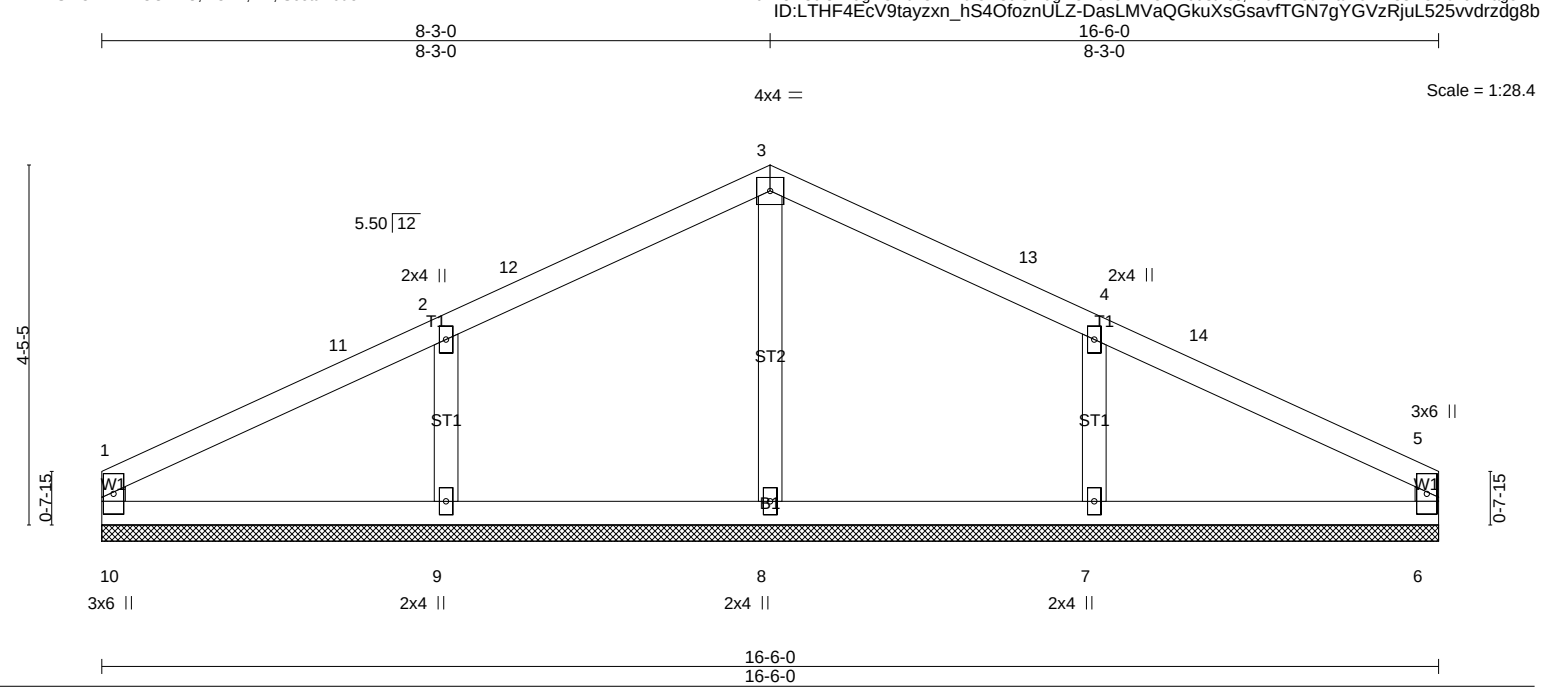

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 64 lb	FT = 10%

LUMBER-

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

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.

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

REACTIONS. All bearings 16-6-0.
(lb) - Max Horz 10=-85(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 10, 6 except 9=-112(LC 12), 7=-112(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 10, 6, 8 except 9=424(LC 21), 7=424(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-331/202, 4-7=-331/201

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-3-0, Exterior(2) 8-3-0 to 11-3-0, Interior(1) 11-3-0 to 16-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;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) 10, 6 except (jt=lb) 9=112 , 7=112.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V9	Valley	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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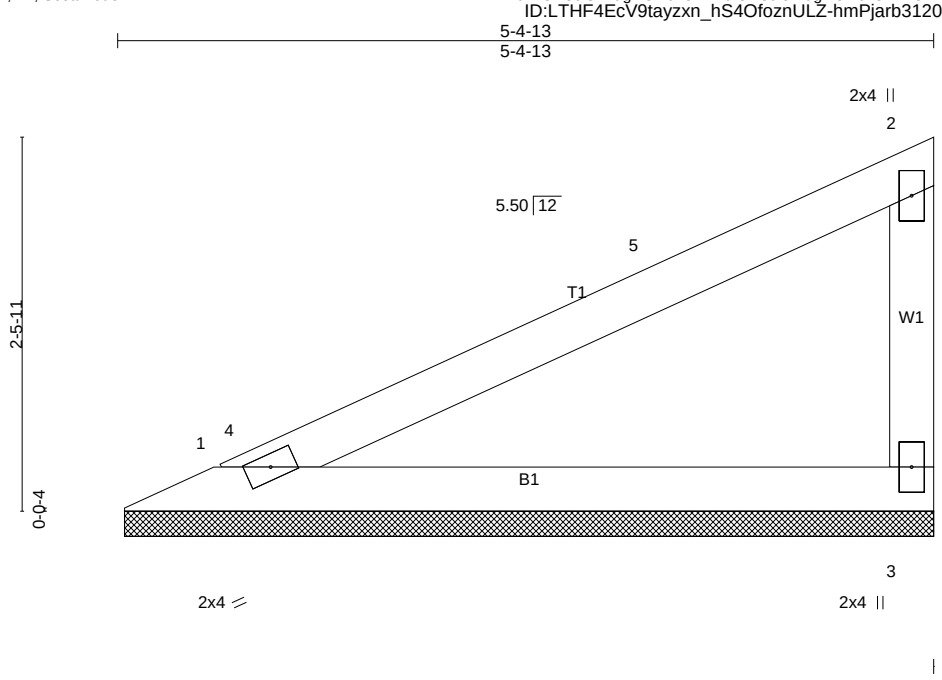

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 18 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-13 oc purlins, except end verticals.
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=206/5-4-4 (min. 0-1-8), 3=206/5-4-4 (min. 0-1-8)
Max Horz 1=91(LC 11)
Max Uplift1=-32(LC 12), 3=-39(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-8-4 to 3-8-4, Interior(1) 3-8-4 to 5-3-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
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, 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V10	Valley	1	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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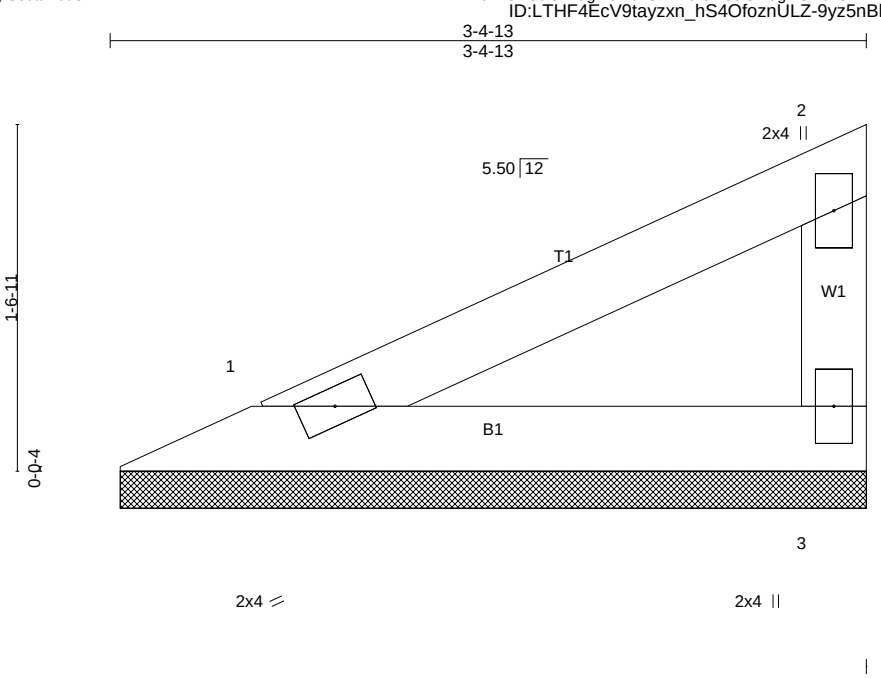

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 11 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-13 oc purlins, except end verticals.
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=116/3-4-4 (min. 0-1-8), 3=116/3-4-4 (min. 0-1-8)
Max Horz 1=51(LC 9)
Max Uplift1=-18(LC 12), 3=-22(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
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, 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V11	Valley	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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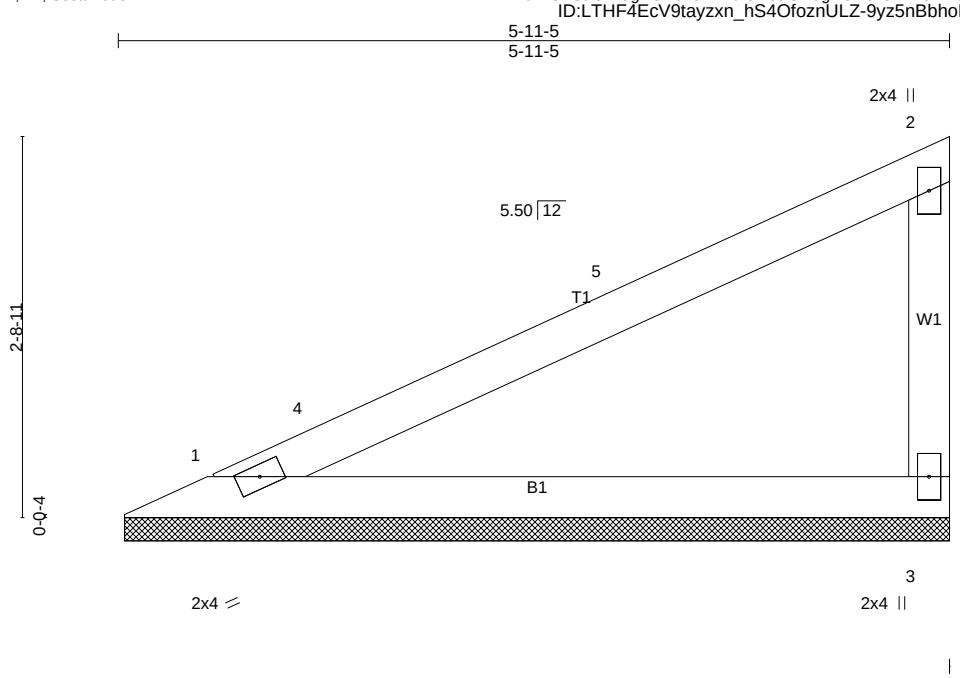

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 21 lb	FT = 10%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins, except end verticals.
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=230/5-10-12 (min. 0-1-8), 3=230/5-10-12 (min. 0-1-8)
Max Horz 1=102(LC 9)
Max Uplift1=-35(LC 12), 3=-44(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-8-4 to 3-8-4, Interior(1) 3-8-4 to 5-9-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
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, 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
413220	V12	Valley	2	1	Job Reference (optional)

TIBBETTS LUMBER CO LLC, LUTZ, FL, Scott Butler

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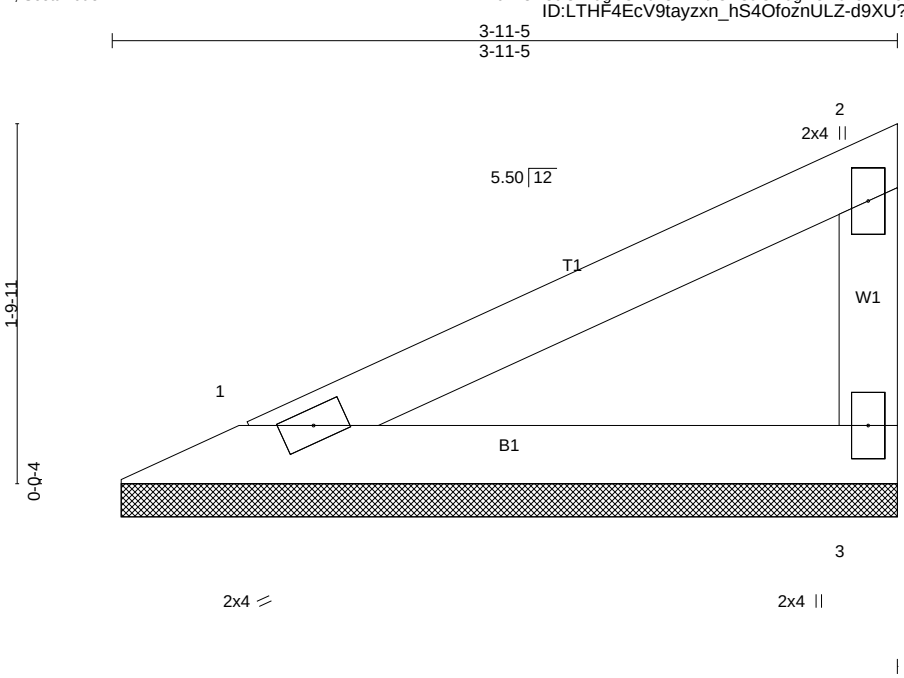

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 13 lb	FT = 10%

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

BRACING-
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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=140/3-10-12 (min. 0-1-8), 3=140/3-10-12 (min. 0-1-8)
Max Horz 1=62(LC 9)
Max Uplift1=-22(LC 12), 3=-27(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=145mph (3-second gust) Vasd=112mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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LOAD CASE(S) Standard