Weaver
CONSTRUCTION MANAGEMENT
3679 S Huron Street, Suite 404 Englewood, Colorado 80110
Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITAL

July 20, 2012

WGC Submittal No: 06100-002

PROJECT: **Harold Thompson Regional WRF**
Birdsall Rd.
Fountain, CO 80817
Job No. 2908

ENGINEER: **GMS, Inc.**
611 No. Weber St., #300
Colorado Springs, CO 80903
719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan Sewage Disposal District**
901 S. Santa Fe Ave.
Fountain, CO 80817
719-382-5303 James Heckman

CONTRACTOR: **Lam-Wood Systems, Inc.**
1580 W 47th Ave.
Denver, CO 80211
303-458-1736 Michael Levy

SUBJECT: Roof Trusses for the Blower Building

SPEC SECTION: 06100- Carpentry (3.3 D)

PREVIOUS SUBMISSION DATES: None

DEVIATIONS FROM SPEC: ___ YES _X_ NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver Construction Management and, unless indicated otherwise, has been found to be in conformance with the intent of the contract documents.

Contractor's Stamp:	Engineer's Stamp:
Date: 7/20/12 Reviewed by: John Jacob (X) Reviewed Without Comments ( ) Reviewed With Comments	

ENGINEER'S COMMENTS:_____
_____

1580 W 47th AVE. DENVER, CO 80211
(303) 458-1736, FAX (303) 458-1739

LETTER OF TRANSMITTAL

DATE: *7/20/12*	JOB NO.: *10609-02ML*
ATTENTION: *John Jacobs*	
RE: *Harold D Thompson Reg WRF*	
Blower Building	
Fountain, CO 80817	
john@weavergc.com & leslie@weavergc.com	

TO: *Weaver General Construction, Co.*
3679 S Huron Street #404
Englewood, CO 80110
303-789-4111

We are sending you:
[X] *Attached*
[ ] *Under separate cover*
Via: *e-mail, see above*

The following items:

[X] Shop Drawings [ ] Prints [ ] Plans [ ] Specifications

[ ] Copy of Letter [ ] Change order [ ] Samples [ ] _____

COPIES	DATE	NO.	DESCRIPTION
1			*Roof Truss shop drawings*
			FOR APPROVAL ONLY

THESE ARE TRANSMITTED as checked below:

[X] For approval [ ] Approved as submitted [ ] Resubmit _____ copies for approval

[ ] For your use [ ] Approved as noted [ ] submit _____ copies for distribution

[ ] As requested [ ] Returned for corrections [X] Return 1 corrected prints

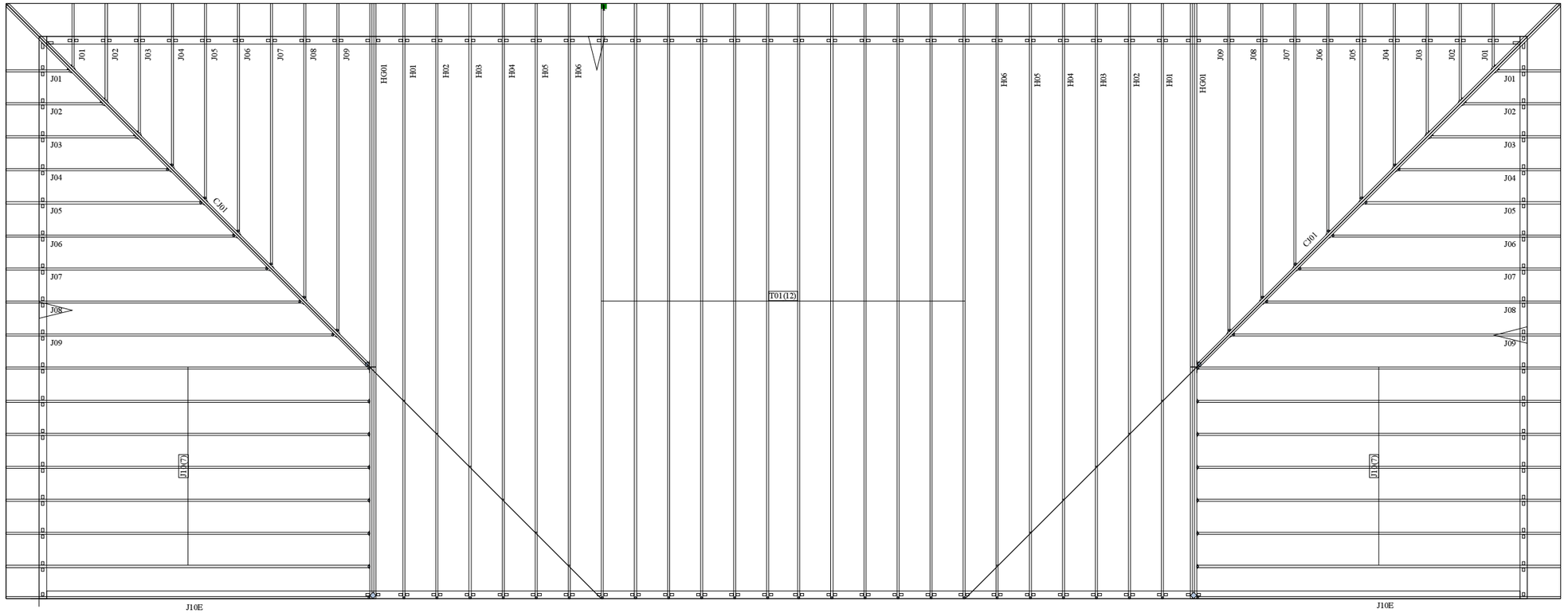
[ ] For Review and Comment [ ] _____

[ ] For Bids due : _____ 20 ____ [ ] Prints returned after loan to Lam-Wood

REMARKS: _____

COPY TO: File

SIGNED: _____
Michael Levy



CLIENT:

Lam-Wood System

JOB:

Harold Thompson - Blower Building

Fountain, Co.

Roof Loading

30-10-10

DATE:

7/19/2012

JOB #:

B1207010

DRAWN BY:

Chris Larimore

FOXWORTH GALBRAITH TRUSS DIVISION

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	CJ01	DIAGONAL HIP GIRDER	2	2	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:50:34 2012 Page 1

ID:YyZh5RYd5kZk6NQeEMKKQcymyn4-IPHZ1GYzCysxlrU2fGTsQauNldrNmJEAQgZDhVywTPp

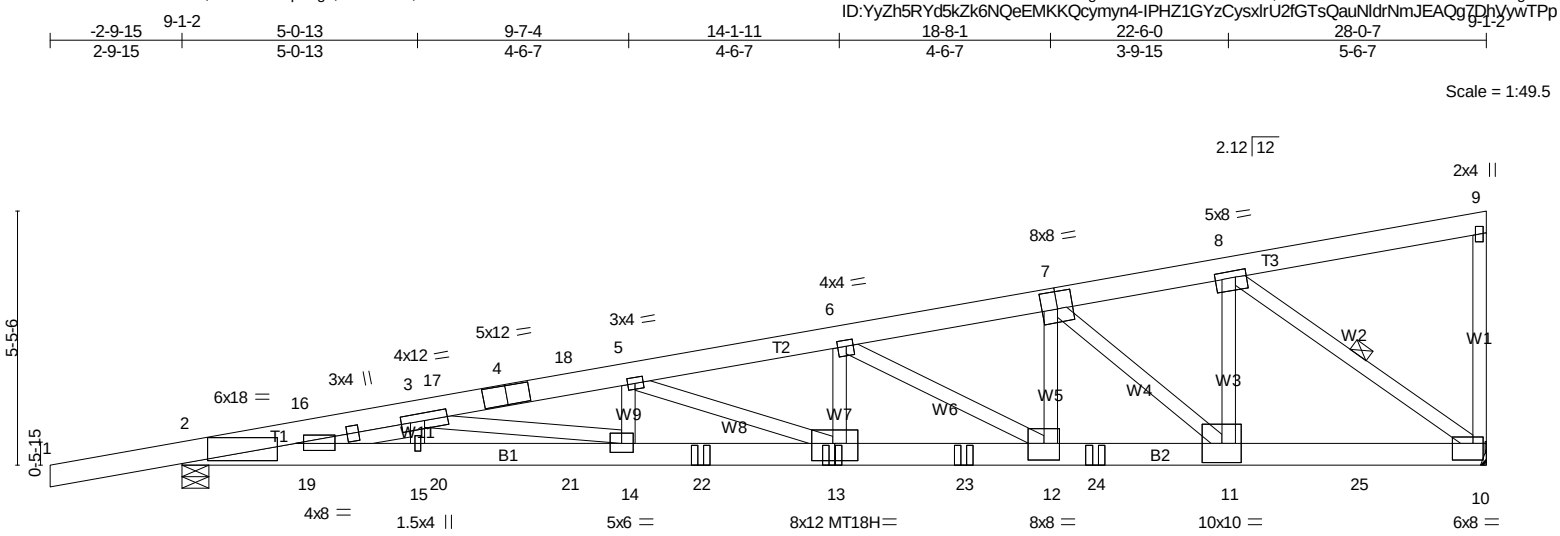


Plate Offsets (X,Y): [2:0-6-12,0-0-11], [2:2-7-8,0-3-7], [6:0-1-12,0-1-8], [7:0-4-0,0-4-8], [8:0-2-12,0-1-12], [10:0-2-12,0-4-4], [12:0-4-0,0-4-4], [13:0-6-0,0-4-8], [14:0-3-0,0-2-4]

LOADING (psf)		SPACING	0-6-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.66	Vert(LL)	-0.55	13-14	>600	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.95	Vert(TL)	-0.97	13-14	>342	180	MT18H	169/123
TCDL	10.0	Rep Stress Incr	NO	WB	0.99	Horz(TL)	0.19	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 300 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD	2 X 6 SPF 2100F 1.8E
BOT CHORD	2 X 6 SPF 2100F 1.8E
WEBS	2 X 4 WW Stud/Std *Except* W7,W5,W3,W2: 2 X 4 SPF No.2
SLIDER	Left 2 X 4 SPF No.2 2-6-5

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-11-15 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-10-4 oc bracing.
WEBS	1 Row at midpt 8-10

REACTIONS (lb/size) 10=6916/Mechanical, 2=3723/0-7-0 (min. 0-3-1)
Max Horz 2=55(LC 6)
Max Uplift10=-1854(LC 5), 2=-1003(LC 7)
Max Grav10=7013(LC 2), 2=3755(LC 2)

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

TOP CHORD	2-16=-16533/4232, 3-16=-16522/4231, 3-17=-18195/4737, 4-17=-18160/4724, 4-18=-18155/4724, 5-18=-18071/4691, 5-6=-16230/4261, 6-7=-12257/3235, 7-8=-8210/2180
BOT CHORD	2-19=-4156/16180, 15-19=-4156/16180, 15-20=-4156/16180, 20-21=-4156/16180, 14-21=-4156/16180, 14-22=-4657/17898, 13-22=-4657/17898, 13-23=-4158/15857, 12-23=-4158/15857, 12-24=-3141/11939, 11-24=-3141/11939, 11-25=-2129/8083, 10-25=-2129/8083
WEBS	3-15=-299/178, 3-14=-515/1754, 5-14=-7/405, 5-13=-2079/504, 6-13=-726/2776, 6-12=-4340/1125, 7-12=-1066/4058, 7-11=-5189/1362, 8-11=-1927/7240, 8-10=-10014/2655

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
   Webs connected as follows: 2 X 4 - 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 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Refer to girder(s) for truss to truss connections.
11) Provide metal plate or equivalent at bearing(s) 9 to support reaction shown.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1854, 2=1003.

Continued on page 2

NOTES

13) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
15) Use Simpson Strong-Tie SUL26 (6-10d Girder, 6-10dx1 1/2 Truss) or equivalent spaced at 2-9-15 oc max. starting at 11-1-13 from the left end to 16-9-11 to connect truss(es) J04 (1 ply 2 X 4 SPF) to front face of bottom chord.
16) Use Simpson Strong-Tie SUL26 (6-16d Girder, 6-10dx1 1/2 Truss) or equivalent at 19-7-10 from the left end to connect truss(es) J07 (1 ply 2 X 4 SPF) to front face of bottom chord, skewed 45.0 deg.to the left, sloping 0.0 deg. down.
17) Use Simpson Strong-Tie SUR26 (6-10d Girder, 6-10dx1 1/2 Truss) or equivalent spaced at 2-9-15 oc max. starting at 11-1-13 from the left end to 16-9-11 to connect truss(es) J04 (1 ply 2 X 4 SPF) to back face of bottom chord.
18) Use Simpson Strong-Tie SUR26 (6-16d Girder, 6-10dx1 1/2 Truss) or equivalent at 19-7-10 from the left end to connect truss(es) J07 (1 ply 2 X 4 SPF) to back face of bottom chord, skewed 45.0 deg.to the right, sloping 0.0 deg. down.
19) Fill all nail holes where hanger is in contact with lumber.
20) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7 lb up at 2-8-0, 7 lb up at 2-8-0, 105 lb down and 39 lb up at 5-5-15, 105 lb down and 39 lb up at 5-5-15, and 229 lb down and 100 lb up at 8-3-14, and 229 lb down and 100 lb up at 8-3-14 on top chord, and 33 lb down at 2-8-0, 33 lb down at 2-8-0, 68 lb down at 5-5-15, 68 lb down at 5-5-15, 108 lb down at 8-3-14, 108 lb down at 8-3-14, 955 lb down and 262 lb up at 22-5-9, 955 lb down and 262 lb up at 22-5-9, and 1090 lb down and 298 lb up at 25-3-8, and 1090 lb down and 298 lb up at 25-3-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-9=-20, 2-10=-5
   Concentrated Loads (lb)
      Vert: 13=-1102(F=-551, B=-551) 11=-1910(F=-955, B=-955) 16=15(F=7, B=7) 17=-204(F=-102, B=-102) 18=-452(F=-226, B=-226) 19=-33(F=-16, B=-16) 20=-68(F=-34, B=-34) 21=-108(F=-54, B=-54) 22=-832(F=-416, B=-416) 23=-1372(F=-686, B=-686) 24=-1641(F=-820, B=-820) 25=-2180(F=-1090, B=-1090)

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	H01	HALF HIP TRUSS	2	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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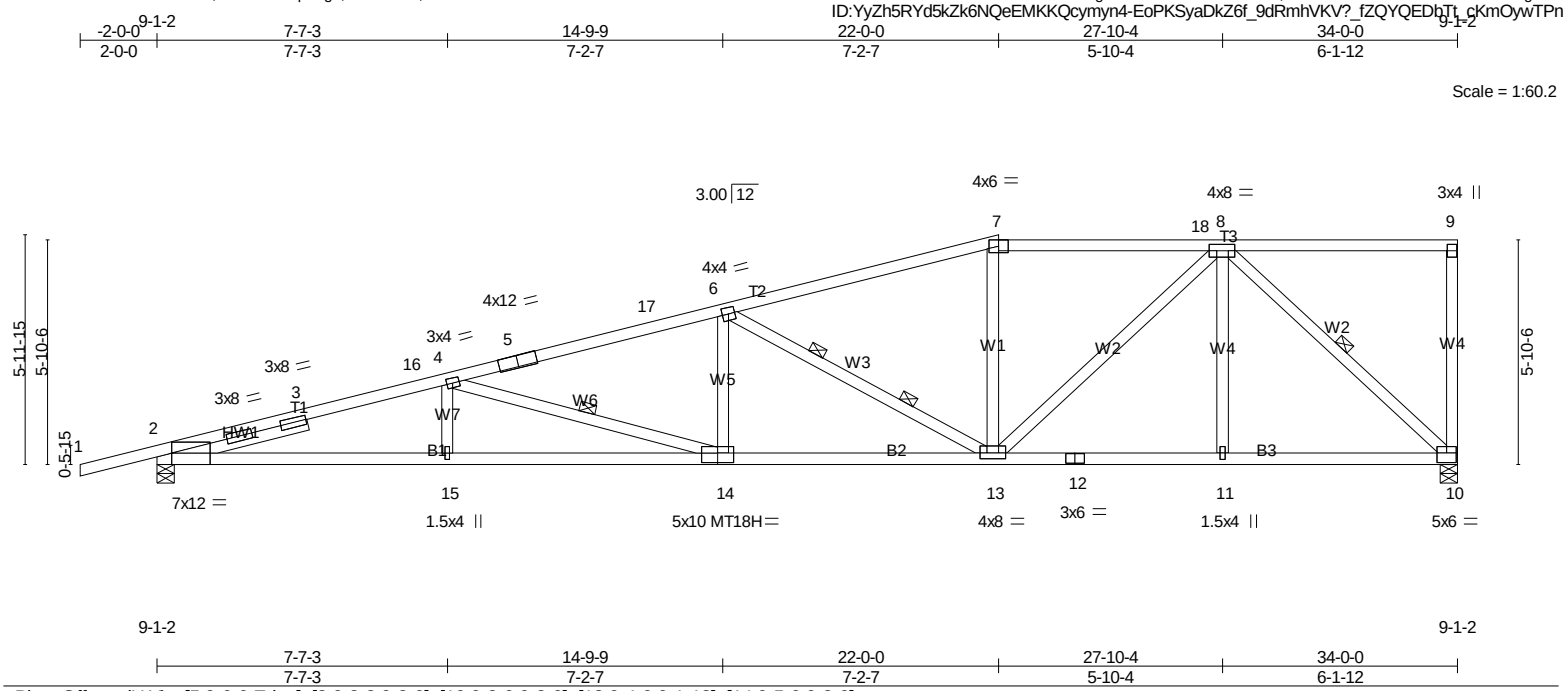

Plate Offsets (X,Y): [5:0-6-0,Edge], [8:0-2-8,0-2-0], [10:0-3-0,0-3-0], [13:0-4-0,0-1-12], [14:0-5-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.89	Vert(LL)	-0.51	14-15	>791	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.78	Vert(TL)	-0.91	14-15	>444	180	MT18H	169/123
TCDL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.22	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 138 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF 2100F 1.8E *Except*
T3: 2 X 4 SPF No.2, T1: 2 X 4 SPF 1650F 1.5E
BOT CHORD 2 X 4 SPF 2100F 1.8E *Except*
B3: 2 X 4 SPF No.2, B2: 2 X 4 SPF 1650F 1.5E
WEBS 2 X 4 WW Stud/Std *Except*
W2: 2 X 4 SPF No.2
SLIDER Left 2 X 4 SPF No.2 3-7-10

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-8 oc bracing.
WEBS 1 Row at midpt 4-14, 8-10
2 Rows at 1/3 pts 6-13

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

REACTIONS (lb/size) 10=1675/0-5-8 (min. 0-2-15), 2=1865/0-5-8 (min. 0-3-15)
Max Horz 2=308(LC 6)
Max Uplift10=-568(LC 5), 2=-696(LC 5)
Max Grav10=1782(LC 12), 2=2380(LC 13)

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

TOP CHORD 2-3=-6278/1517, 3-16=-6144/1530, 4-16=-6057/1532, 4-5=-4761/1260, 5-17=-4671/1263, 6-17=-4571/1272, 6-7=-2808/863, 7-18=-2609/871, 8-18=-2611/870, 9-10=-298/116
BOT CHORD 2-15=-1540/5915, 14-15=-1540/5915, 13-14=-1212/4531, 12-13=-465/1557, 11-12=-465/1557, 10-11=-465/1557
WEBS 4-15=0/288, 4-14=-1441/342, 6-14=-35/559, 6-13=-2190/566, 8-13=-365/1494, 8-11=0/255, 8-10=-2098/711

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=568, 2=696.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	H02	HALF HIP TRUSS	2	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:50:38 2012 Page 1

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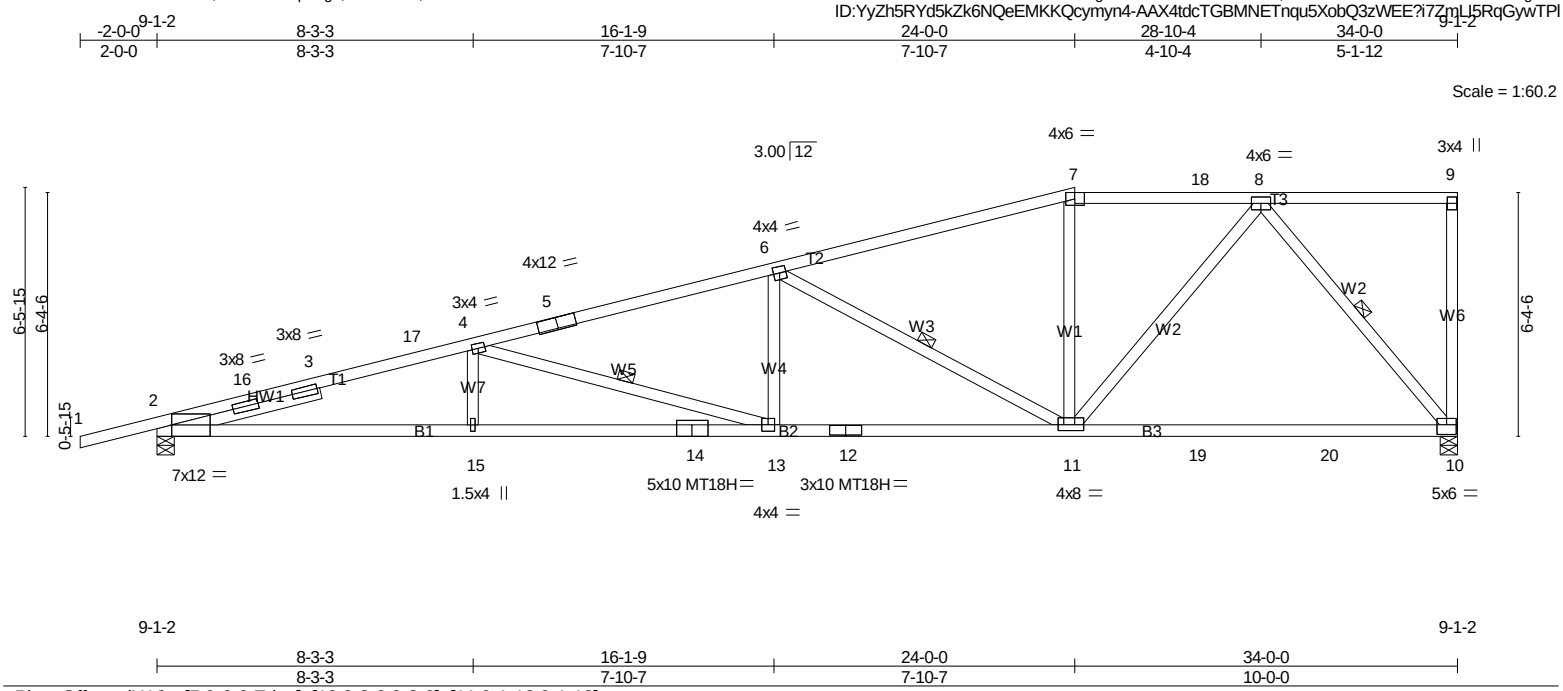

Plate Offsets (X,Y): [5:0-6-0,Edge], [10:0-3-0,0-3-0], [11:0-1-12,0-1-12]

LOADING (psf)		**SPACING** 2-0-0		**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase	1.15	TC	0.99	Vert(LL)	-0.53	13-15	>768	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.78	Vert(TL)	-0.93	13-15	>435	180	MT18H	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.21	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 137 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF 2100F 1.8E *Except*
T3: 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF 2100F 1.8E
WEBS 2 X 4 WW Stud/Std *Except*
W3,W2: 2 X 4 SPF No.2
SLIDER Left 2 X 4 SPF No.2 3-11-12

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-8 oc bracing.
WEBS 1 Row at midpt 4-13, 6-11, 8-10

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

REACTIONS (lb/size) 10=1793/0-5-8 (min. 0-2-15), 2=1886/0-5-8 (min. 0-3-14)
Max Horz 2=336(LC 6)
Max Uplift 10=-570(LC 5), 2=-694(LC 5)
Max Grav 10=1793(LC 1), 2=2368(LC 13)

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

TOP CHORD 2-16=-6448/1503, 3-16=-6391/1509, 3-17=-6286/1514, 4-17=-6236/1520, 4-5=-4719/1189, 5-6=-4512/1201, 6-7=-2601/731, 7-18=-2398/745, 8-18=-2400/745, 9-10=-251/100
BOT CHORD 2-15=-1538/6098, 14-15=-1538/6098, 13-14=-1538/6098, 12-13=-1141/4481, 11-12=-1141/4481, 11-19=-386/1290, 19-20=-386/1290, 10-20=-386/1290
WEBS 4-15=0/330, 4-13=-1683/412, 6-13=-54/590, 6-11=-2371/644, 8-11=-372/1745, 8-10=-1994/666

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=570, 2=694.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	H03	Half Hip Truss	2	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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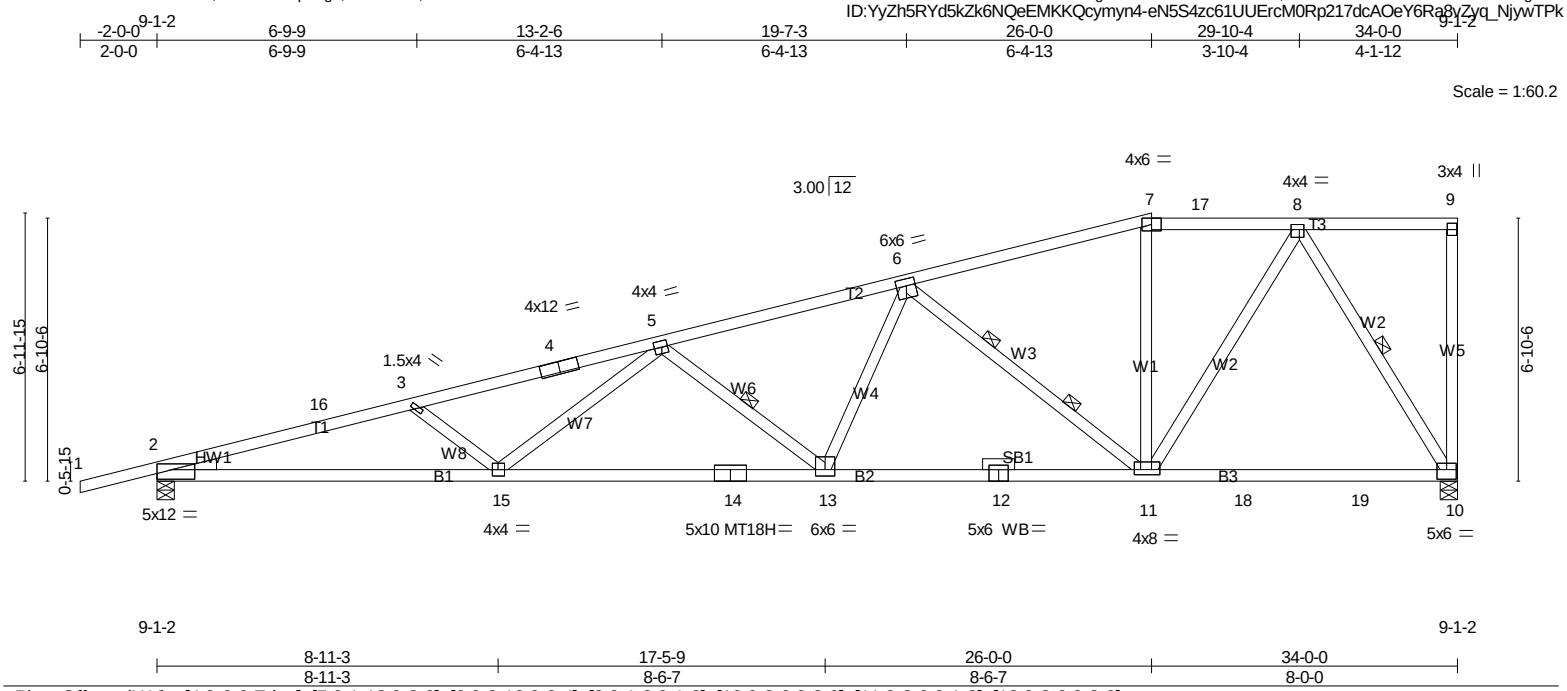


Plate Offsets (X,Y): [4:0-6-0,Edge], [5:0-1-12,0-2-0], [6:0-2-12,0-2-4], [8:0-1-8,0-1-8], [10:0-3-0,0-3-0], [11:0-2-0,0-1-8], [13:0-3-0,0-2-0]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase	1.15	TC	0.85	Vert(LL)	-0.54	13-15	>743	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.91	Vert(TL)	-0.94	13-15	>427	180	MT18H	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.94	Horz(TL)	0.22	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 138 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF 2100F 1.8E *Except*
T3: 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF 1650F 1.5E *Except*
B1: 2 X 4 SPF 2100F 1.8E
WEBS 2 X 4 WW Stud/Std *Except*
W2: 2 X 4 SPF No.2
OTHERS 2 X 4 WW Stud/Std
WEDGE
Left: 2 X 4 WW Stud/Std

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-5 oc bracing.
WEBS 1 Row at midpt 5-13, 8-10
2 Rows at 1/3 pts 6-11

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

REACTIONS (lb/size) 10=1784/0-5-8 (min. 0-3-2), 2=1880/0-5-8 (min. 0-3-13)
Max Horz 2=363(LC 6)
Max Uplift 10=-573(LC 5), 2=-691(LC 5)
Max Grav 10=1886(LC 13), 2=2332(LC 13)

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

TOP CHORD 2-16=-6614/1573, 3-16=-6521/1588, 3-4=-6101/1435, 4-5=-5988/1442, 5-6=-4279/1080, 6-7=-2134/611, 7-17=-1973/623, 8-17=-1975/622
BOT CHORD 2-15=-1627/6285, 14-15=-1311/5157, 13-14=-1311/5157, 12-13=-897/3623, 11-12=-897/3623, 11-18=-300/1040, 18-19=-300/1040, 10-19=-300/1040
WEBS 3-15=-588/274, 5-15=-133/869, 5-13=-1415/428, 6-13=-216/1138, 6-11=-2124/588, 8-11=-409/1796, 8-10=-1976/610

NOTES

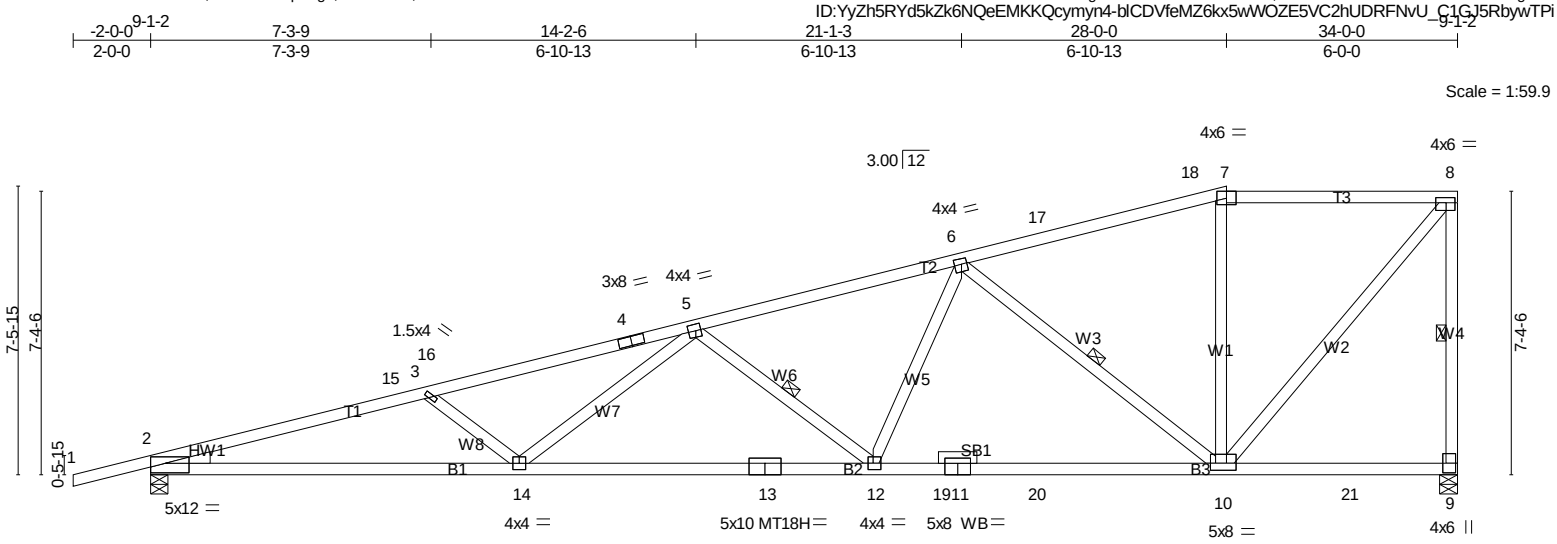
1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=573, 2=691.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	H04	Half Hip Truss	2	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:50:41 2012 Page 1

ID:YyZh5RYd5kZk6NQeEMKKQcymyn4-blCDVfeMZ6kx5wWOZE5VC2hUDRFNvU_C1GJ5RbywTPi



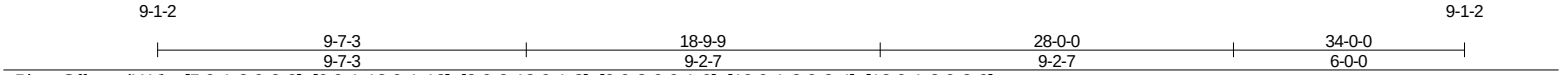


Plate Offsets (X,Y): [5:0-1-8,0-2-0], [6:0-1-12,0-1-12], [8:0-2-12,0-1-8], [9:0-3-0,0-1-0], [10:0-1-8,0-2-4], [12:0-1-8,0-2-0]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase	1.15	TC	0.96	Vert(LL)	-0.51	12-14	>793	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.86	Vert(TL)	-0.88	12-14	>459	180	MT18H	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.92	Horz(TL)	0.21	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 141 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF 1650F 1.5E *Except*
T3: 2 X 4 SPF No.2, T1: 2 X 4 DF 2400F 2.0E
BOT CHORD 2 X 4 SPF 2100F 1.8E *Except*
B3: 2 X 4 SPF 1650F 1.5E
WEBS 2 X 4 SPF No.2 *Except*
W8,W7,W6,W1: 2 X 4 WW Stud/Std
OTHERS 2 X 4 WW Stud/Std
WEDGE
Left: 2 X 4 WW Stud/Std

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-2 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 6-10

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

REACTIONS (lb/size) 9=1843/0-5-8 (min. 0-3-6), 2=1906/0-5-8 (min. 0-3-13)
Max Horz 2=390(LC 6)
Max Uplift 9=-575(LC 5), 2=-689(LC 5)
Max Grav 9=2065(LC 13), 2=2322(LC 13)

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

TOP CHORD 2-15=-6612/1574, 15-16=-6474/1581, 3-16=-6451/1582, 3-4=-6083/1405, 4-5=-5897/1413, 5-6=-4162/994, 6-17=-1725/472, 17-18=-1614/478, 7-18=-1552/485, 7-8=-1572/505, 8-9=-1945/602
BOT CHORD 2-14=-1632/6289, 13-14=-1258/5105, 12-13=-1258/5105, 12-19=-803/3432, 11-19=-803/3432, 11-20=-803/3432, 10-20=-803/3432
WEBS 3-14=-624/314, 5-14=-168/901, 5-12=-1500/470, 6-12=-233/1317, 6-10=-2398/637, 7-10=-255/178, 8-10=-620/2415

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=575, 2=689.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	H05	Half Hip Truss	2	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:50:42 2012 Page 1

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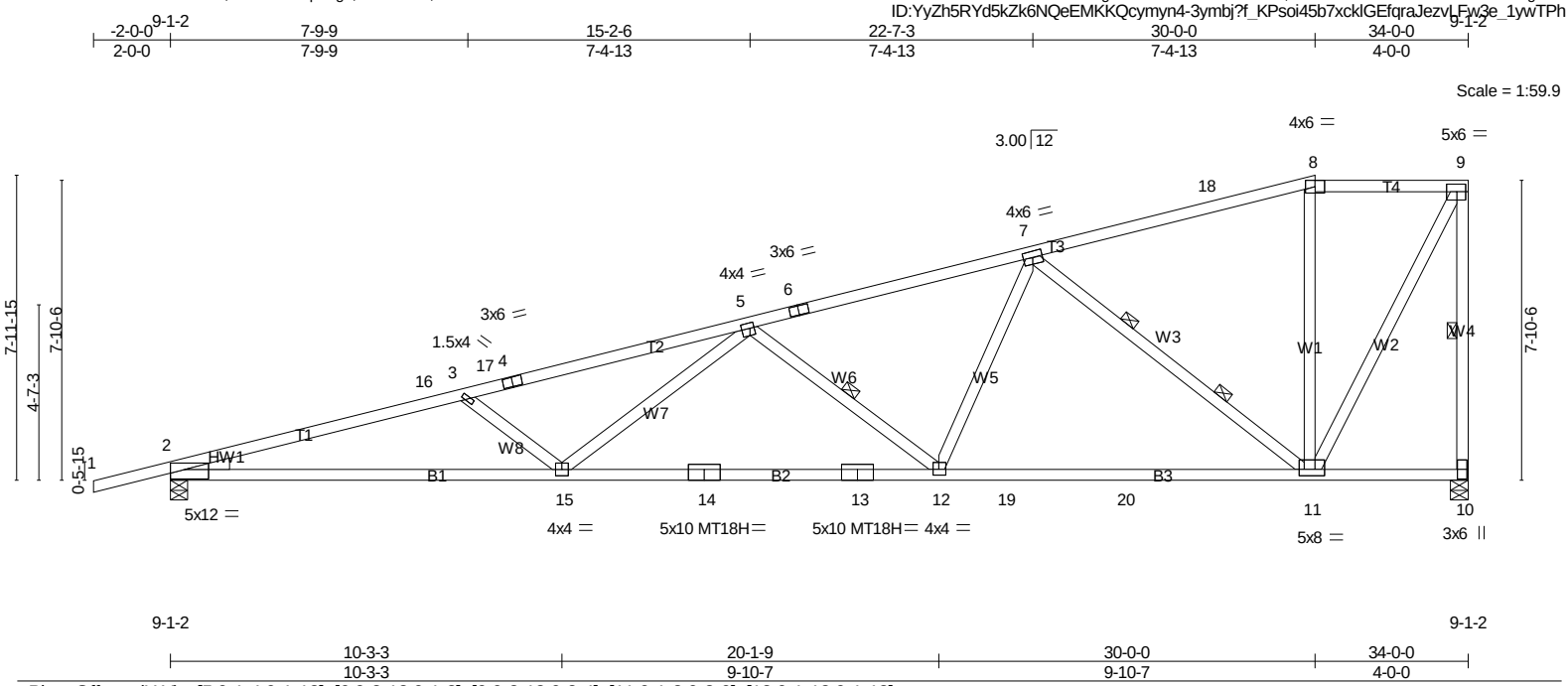

Plate Offsets (X,Y): [5:0-1-4,0-1-12], [6:0-2-12,0-1-8], [9:0-2-12,0-2-4], [11:0-1-8,0-2-0], [12:0-1-12,0-1-12]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase	1.15	TC	0.97	Vert(LL)	-0.50	15	>809	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.88	Vert(TL)	-0.90	2-15	>450	180	MT18H	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.21	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 143 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 DF 2400F 2.0E *Except*
T3: 2 X 4 SPF 1650F 1.5E, T4: 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF 2100F 1.8E *Except*
B2: 2 X 4 SPF 1650F 1.5E
WEBS 2 X 4 SPF No.2 *Except*
W8,W7,W6,W1: 2 X 4 WW Stud/Std
WEDGE
Left: 2 X 4 WW Stud/Std

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-14 oc bracing.
WEBS 1 Row at midpt 9-10, 5-12
2 Rows at 1/3 pts 7-11

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

REACTIONS (lb/size) 10=1762/0-5-8 (min. 0-3-8), 2=1905/0-5-8 (min. 0-3-12)
Max Horz 2=417(LC 6)
Max Uplift 10=-578(LC 5), 2=-686(LC 5)
Max Grav 10=2108(LC 13), 2=2280(LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-6459/1561, 3-16=-6313/1570, 3-17=-5916/1363, 4-17=-5901/1365, 4-5=-5817/1380, 5-6=-3877/895, 6-7=-3682/910, 7-18=-1244/345, 8-18=-1110/352, 8-9=-1098/377, 9-10=-2117/599
BOT CHORD 2-15=-1631/6143, 14-15=-1207/4908, 13-14=-1207/4908, 12-13=-1207/4908, 12-19=-707/3105, 19-20=-707/3105, 11-20=-707/3105
WEBS 3-15=-642/350, 5-15=-195/946, 5-12=-1608/515, 7-12=-255/1422, 7-11=-2584/694, 9-11=-580/2350

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=578, 2=686.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	H06	HALF HIP TRUSS	2	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:50:44 2012 Page 1

ID:YyZh5RYd5kZk6NQeEMKKQcymyn4-?KuL7hgEs16WyOFzEMeCqhJ?rfFL6qxejEYl2wywTPf

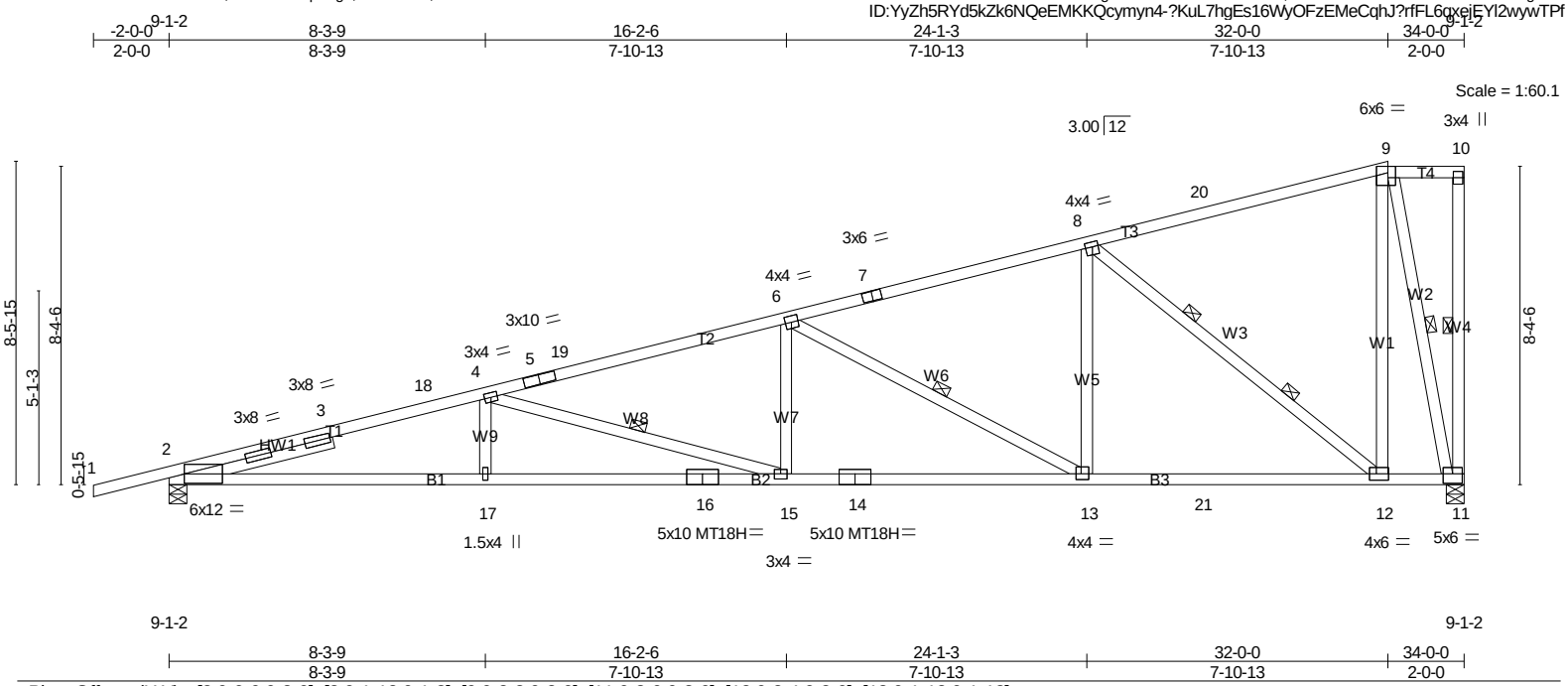

Plate Offsets (X,Y): [2:0-0-0,0-3-0], [8:0-1-12,0-1-8], [9:0-2-8,0-2-0], [11:0-3-0,0-3-0], [12:0-2-4,0-2-0], [13:0-1-12,0-1-12]

LOADING (psf)		**SPACING** 2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase 1.15	TC	1.00	Vert(LL)	-0.55	15-17	>738	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase 1.15	BC	0.91	Vert(TL)	-0.95	15-17	>424	180	MT18H	197/144
TCDL	10.0	Rep Stress Incr YES	WB	0.97	Horz(TL)	0.24	11	n/a	n/a		
BCLL	0.0 *	Code IRC2009/TPI2007	(Matrix)							Weight: 154 lb	FT = 0%
BCDL	10.0										

LUMBER

TOP CHORD 2 X 4 SPF 2100F 1.8E *Except*
T4: 2 X 4 SPF No.2, T2: 2 X 4 DF 2400F 2.0E
BOT CHORD 2 X 4 SPF 2100F 1.8E *Except*
B3: 2 X 4 SPF 1650F 1.5E
WEBS 2 X 4 SPF No.2 *Except*
W4,W9,W8,W7: 2 X 4 WW Stud/Std
SLIDER Left 2 X 4 SPF No.2 3-11-15

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-3 oc bracing.
WEBS 1 Row at midpt 10-11, 4-15, 6-13, 9-11
2 Rows at 1/3 pts 8-12

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

REACTIONS (lb/size) 11=1766/0-5-8 (min. 0-3-11), 2=1895/0-5-8 (min. 0-3-11)
Max Horz 2=445(LC 6)
Max Uplift 11=-581(LC 5), 2=-684(LC 5)
Max Grav 11=2241(LC 13), 2=2225(LC 13)

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

TOP CHORD 2-3=-6159/1469, 3-18=-6064/1479, 4-18=-6001/1486, 4-5=-4892/1131, 5-19=-4852/1134, 6-19=-4809/1147, 6-7=-2962/684, 7-8=-2753/700, 8-20=-716/212, 9-20=-595/222
BOT CHORD 2-17=-1553/5842, 16-17=-1553/5842, 15-16=-1553/5842, 14-15=-1135/4666, 13-14=-1135/4666, 13-21=-598/2762, 12-21=-598/2762, 11-12=-158/545
WEBS 4-17=0/322, 4-15=-1224/435, 6-15=-54/522, 6-13=-2162/610, 8-13=-215/1292, 8-12=-2798/726, 9-12=-439/1905, 9-11=-2422/592

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=581, 2=684.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	HG01	Half Hip Truss	2	3	Job Reference (optional)

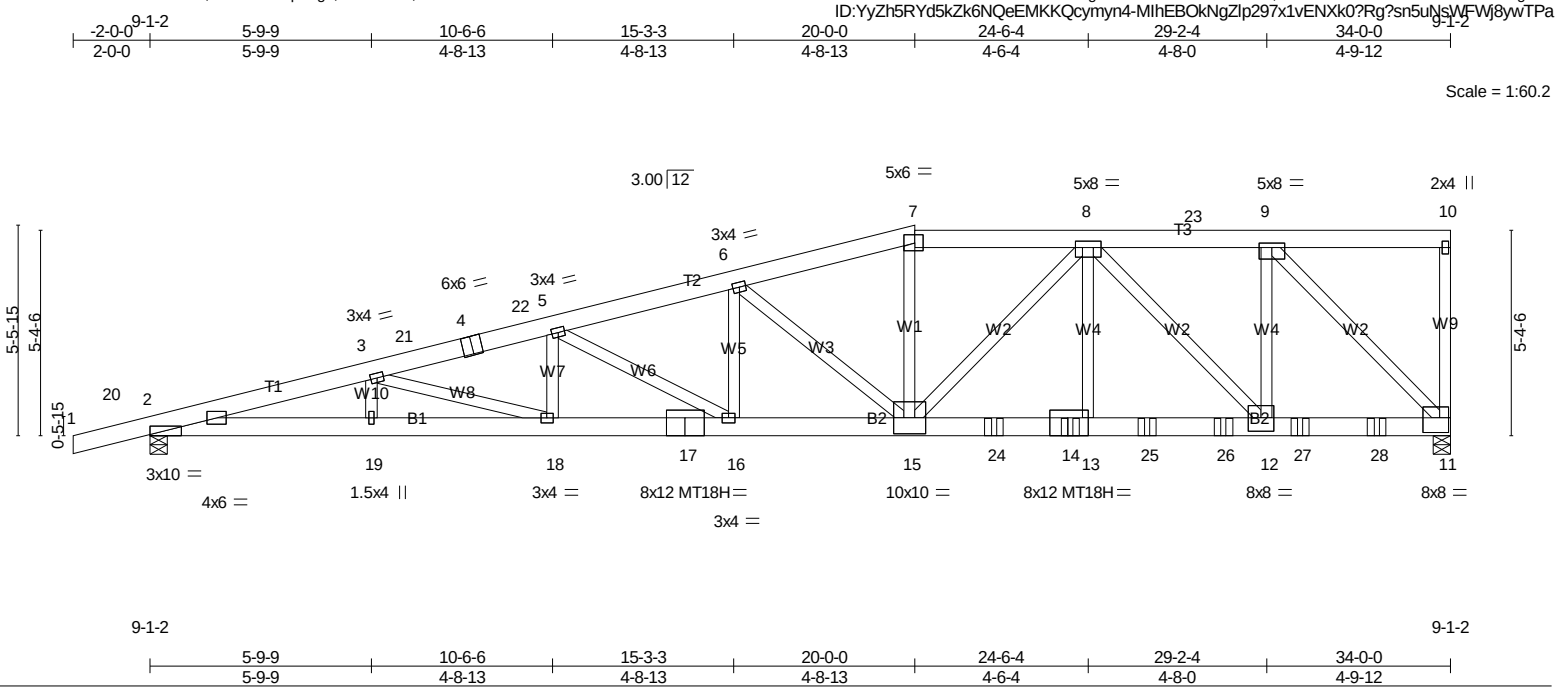

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [4:0-3-0,Edge], [7:0-2-8,0-2-12], [8:0-4-0,0-2-0], [9:0-4-0,0-1-8], [11:0-2-12,0-4-8], [12:0-4-0,0-4-4], [14:0-5-12,0-0-0]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase	1.15	TC	0.43	Vert(LL)	-0.49	16-18	>827	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.76	Vert(TL)	-0.83	16-18	>486	180	MT18H	197/144
TCDL	10.0	Rep Stress Incr	NO	WB	0.99	Horz(TL)	0.21	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 567 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 6 SPF 2100F 1.8E
BOT CHORD 2 X 6 SPF 2100F 1.8E
WEBS 2 X 4 WW Stud/Std *Except*
W1,W2,W4: 2 X 4 SPF 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) 11=12296/0-5-8 (req. 0-6-14), 2=6762/0-5-8 (min. 0-4-0)
Max Horz 2=277(LC 6)
Max Uplift 11=-3507(LC 5), 2=-2037(LC 5)
Max Grav 11=12504(LC 12), 2=7290(LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-24401/6531, 3-21=-25036/6827, 4-21=-25020/6827, 4-22=-24973/6830, 5-22=-24931/6834, 5-6=-23989/6638, 6-7=-23170/6501, 7-8=-22350/6310, 8-23=-10945/3145, 9-23=-10945/3145
BOT CHORD 2-19=-6372/23450, 18-19=-6372/23450, 17-18=-6651/24280, 16-17=-6651/24280, 15-16=-6386/23216, 15-24=-5068/18169, 14-24=-5068/18169, 13-14=-5068/18169, 13-25=-5068/18169, 25-26=-5068/18169, 12-26=-5068/18169, 12-27=-3043/10945, 27-28=-3043/10945, 11-28=-3043/10945
WEBS 3-19=-330/175, 3-18=-405/1404, 5-16=-1221/304, 6-16=-62/535, 6-15=-935/224, 7-15=-1361/5131, 8-15=-1605/6244, 8-13=-777/2967, 8-12=-10680/2983, 9-12=-2988/10888, 9-11=-15808/4447

NOTES
1) Special connection required to distribute web loads equally between all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 3 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, Except member 15-7 2 X 4 - 2 rows at 0-4-0 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
8) Provide adequate drainage to prevent water ponding.
9) All plates are MT20 plates unless otherwise indicated.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) WARNING: Required bearing size at joint(s) 11 greater than input bearing size.

Continued on page 2

NOTES

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=3507, 2=2037.
14) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
15) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
16) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 22-0-12 from the left end to 32-0-12 to connect truss(es) J10 (1 ply 2 X 4 SPF) to back face of bottom chord.
17) Fill all nail holes where hanger is in contact with lumber.
18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 8211 lb down and 2208 lb up at 20-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-7=-80, 7-10=-80, 2-11=-20
   Concentrated Loads (lb)
   Vert: 15=-8211(B) 14=-1218(B) 24=-1218(B) 25=-1218(B) 26=-1218(B) 27=-1218(B) 28=-1218(B)

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J01	Jack-Open Truss	4	1	Job Reference (optional) 9-1-2

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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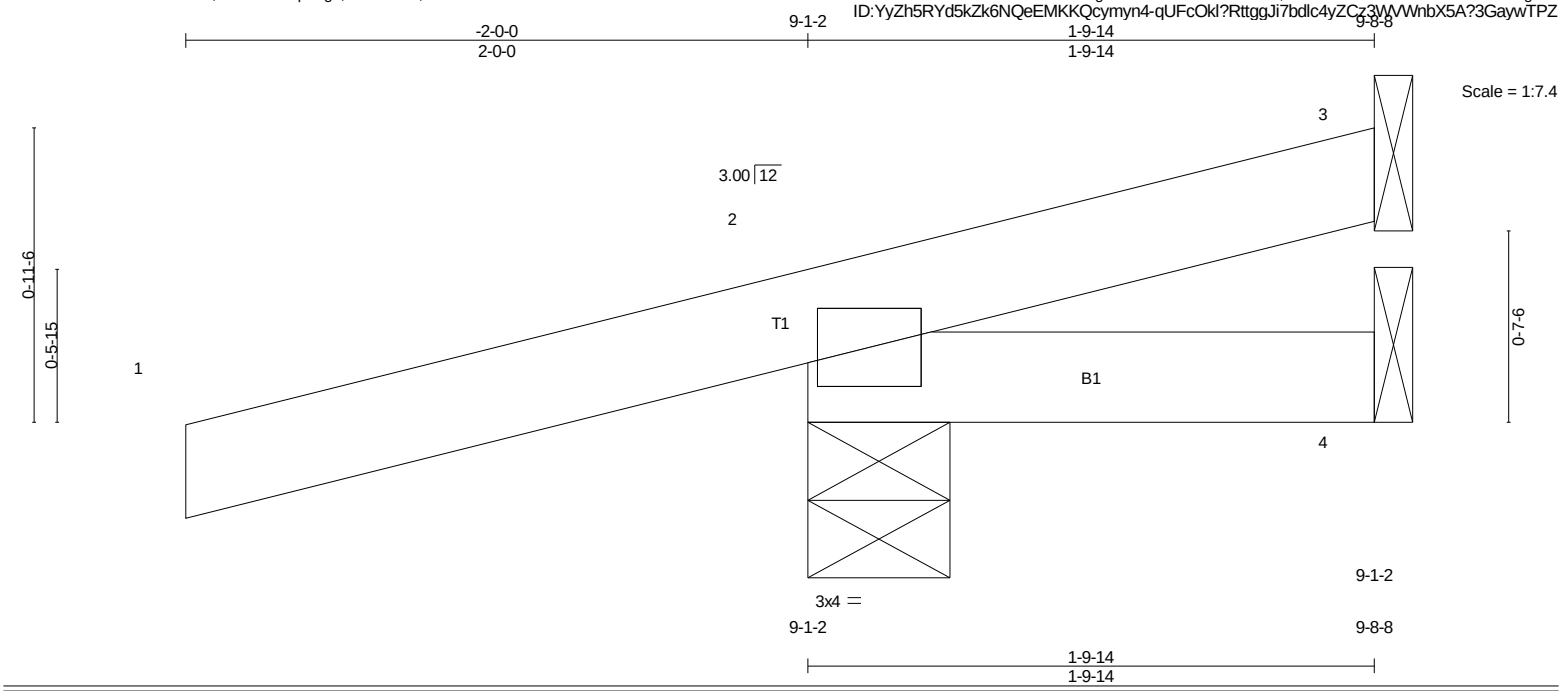


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.32	Vert(LL)	-0.00	2	>999	240	MT20	197/144
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.03	Vert(TL)	-0.00	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 7 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-9-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

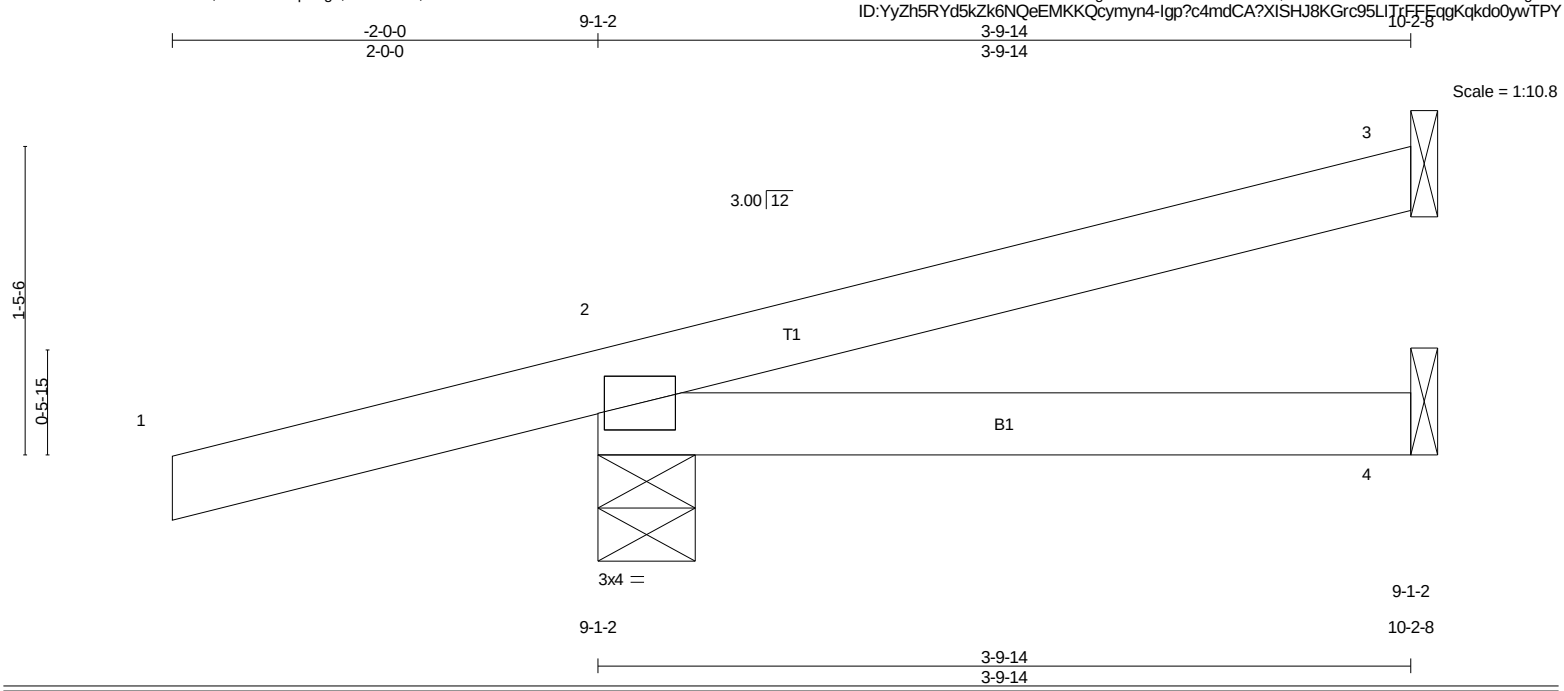
REACTIONS (lb/size) 2=347/0-5-8 (min. 0-1-8), 4=18/Mechanical, 3=-24/Mechanical
Max Horz 2=55(LC 5)
Max Uplift 2=-229(LC 5), 3=-77(LC 11)
Max Grav 2=353(LC 2), 4=35(LC 4), 3=33(LC 5)

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

NOTES
1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) 3 except (jt=lb) 2=229.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J02	Jack-Open Truss	4	1	Job Reference (optional)



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.41	Vert(LL)	-0.01	2-4	>999	240	MT20	197/144
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.12	Vert(TL)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 11 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 3=85/Mechanical, 2=411/0-5-8 (min. 0-1-8), 4=35/Mechanical
Max Horz 2=80(LC 5)
Max Uplift 3=-40(LC 8), 2=-235(LC 5)
Max Grav 3=107(LC 2), 2=433(LC 2), 4=71(LC 4)

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

NOTES
1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) 3 except (jt=lb) 2=235.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J03	Jack-Open Truss	4	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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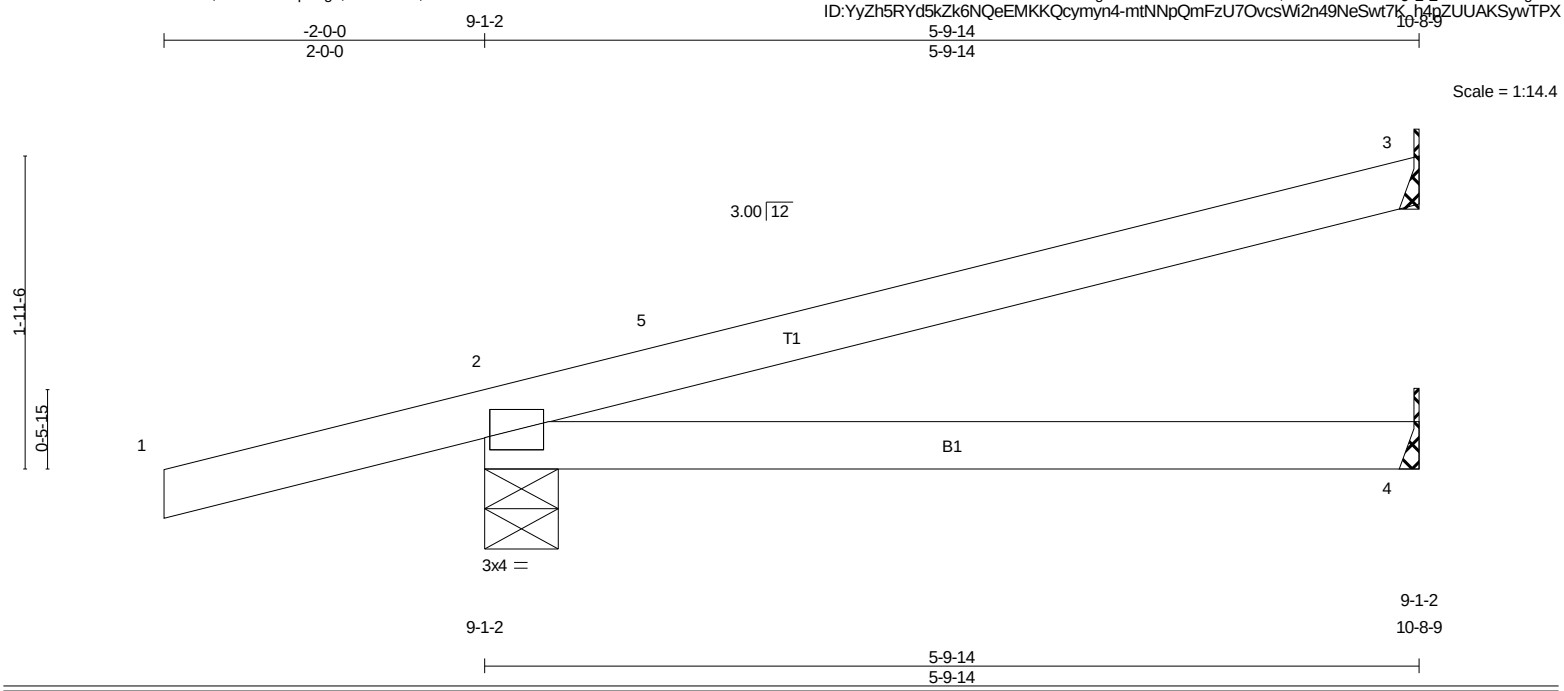

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.61	Vert(LL)	-0.06	2-4	>999	240	MT20	197/144
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.32	Vert(TL)	-0.14	2-4	>473	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 16 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 3=185/Mechanical, 2=491/0-5-8 (min. 0-1-8), 4=55/Mechanical
Max Horz 2=106(LC 5)
Max Uplift 3=-101(LC 5), 2=-249(LC 5)
Max Grav 3=231(LC 2), 2=522(LC 2), 4=111(LC 4)

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

NOTES
1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) except (jt=lb) 3=101, 2=249.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J04	Jack-Closed Truss	4	1	Job Reference (optional)

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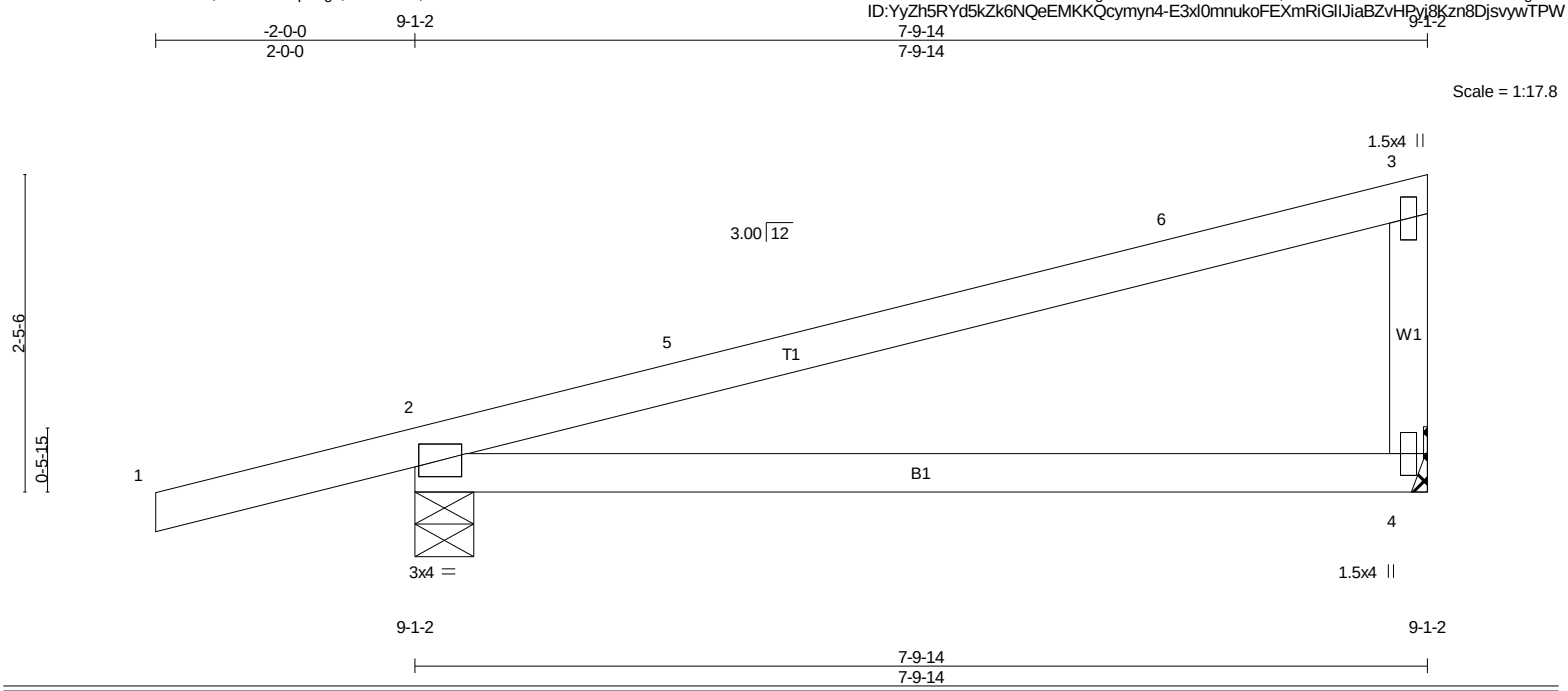

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.85	Vert(LL)	-0.18	2-4	>484	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.62	Vert(TL)	-0.46	2-4	>194	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 22 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 4 SPF 2100F 1.8E
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 WW Stud/Std

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-8 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) 4=346/Mechanical, 2=577/0-5-8 (min. 0-1-8)
Max Horz 2=122(LC 6)
Max Uplift 4=-110(LC 5), 2=-279(LC 5)
Max Grav 4=417(LC 2), 2=619(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-343/144

NOTES
1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) except (jt=lb) 4=110, 2=279.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J05	Jack-Closed Truss	4	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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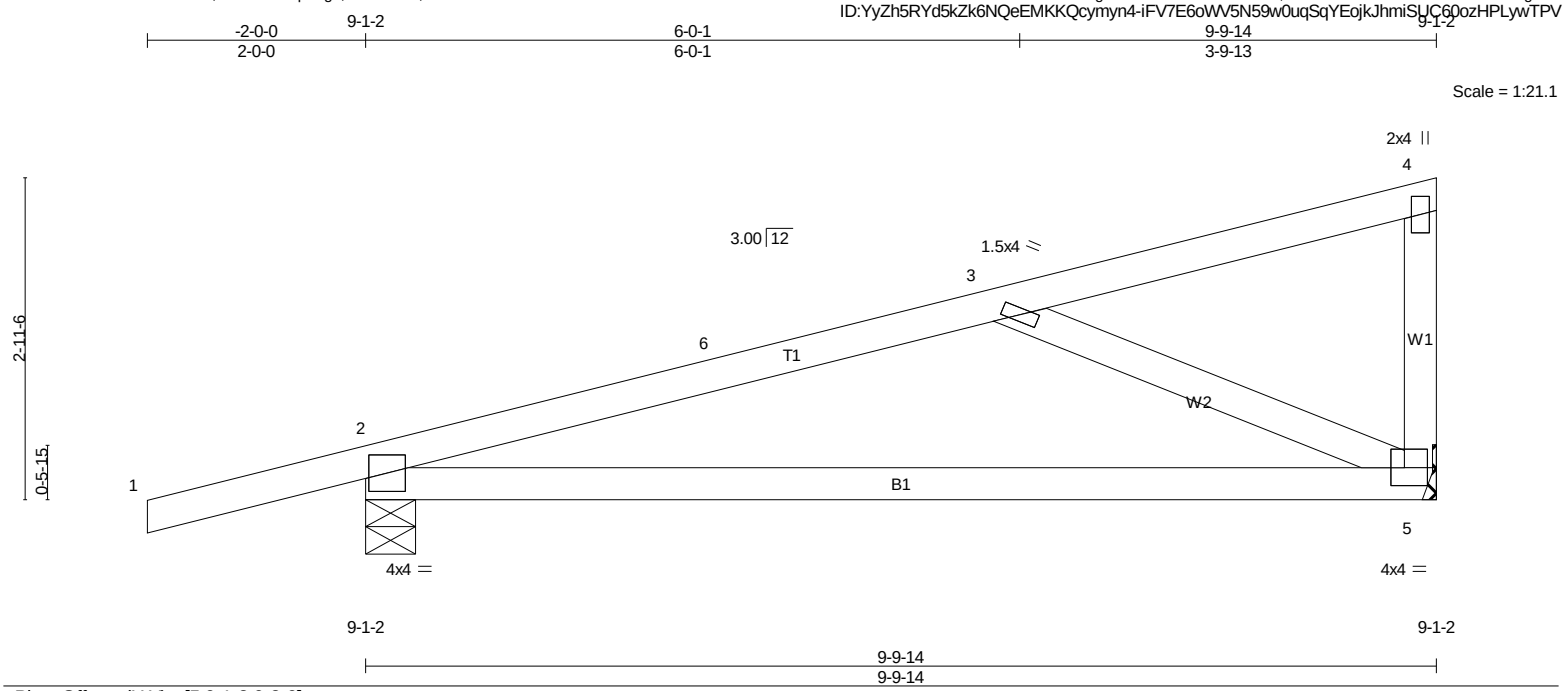

Plate Offsets (X,Y): [5:0-1-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.87	Vert(LL)	-0.22	2-5	>504	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.46	Vert(TL)	-0.57	2-5	>200	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.41	Horz(TL)	0.01	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 31 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF 1650F 1.5E
BOT CHORD 2 X 4 SPF 2100F 1.8E
WEBS 2 X 4 WW Stud/Std

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) 5=451/Mechanical, 2=672/0-5-8 (min. 0-1-8)
Max Horz 2=149(LC 6)
Max Uplift 5=-150(LC 5), 2=-306(LC 5)
Max Grav 5=552(LC 2), 2=723(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-876/246, 3-6=-806/258
BOT CHORD 2-5=-257/780
WEBS 3-5=-801/325

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) except (jt=lb) 5=150, 2=306.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J06	Jack-Closed Truss	4	1	Job Reference (optional)

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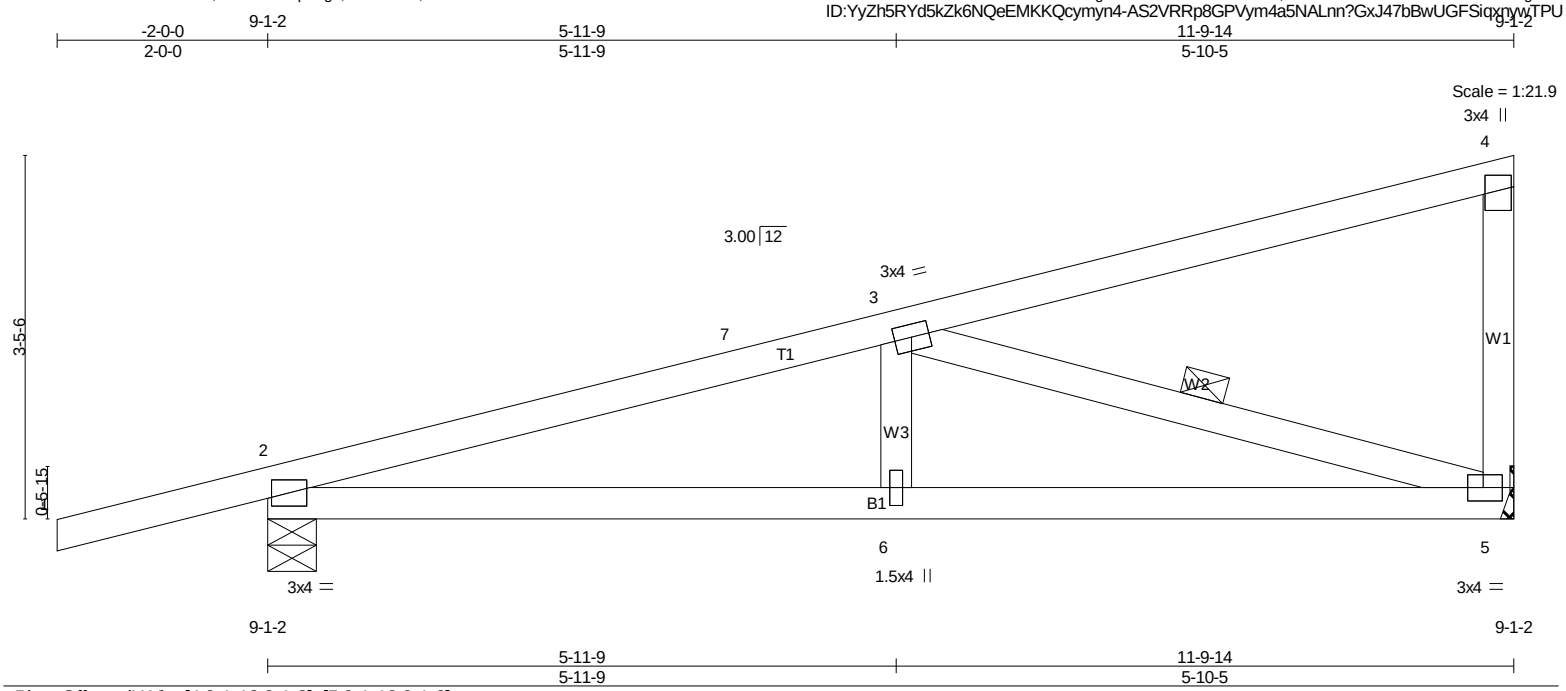

Plate Offsets (X,Y): [4:0-1-12,0-1-8], [5:0-1-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.73	Vert(LL)	-0.06	6	>999	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.42	Vert(TL)	-0.12	2-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.03	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 39 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 WW Stud/Std

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-5

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

REACTIONS (lb/size) 5=555/Mechanical, 2=768/0-5-8 (min. 0-1-8)
Max Horz 2=177(LC 6)
Max Uplift 5=-188(LC 5), 2=-335(LC 5)
Max Grav 5=687(LC 2), 2=828(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-1399/299, 3-7=-1276/312, 4-5=-262/102
BOT CHORD 2-6=-323/1284, 5-6=-323/1284
WEBS 3-6=0/260, 3-5=-1292/367

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) except (jt=lb) 5=188, 2=335.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J07	Jack-Closed Truss	4	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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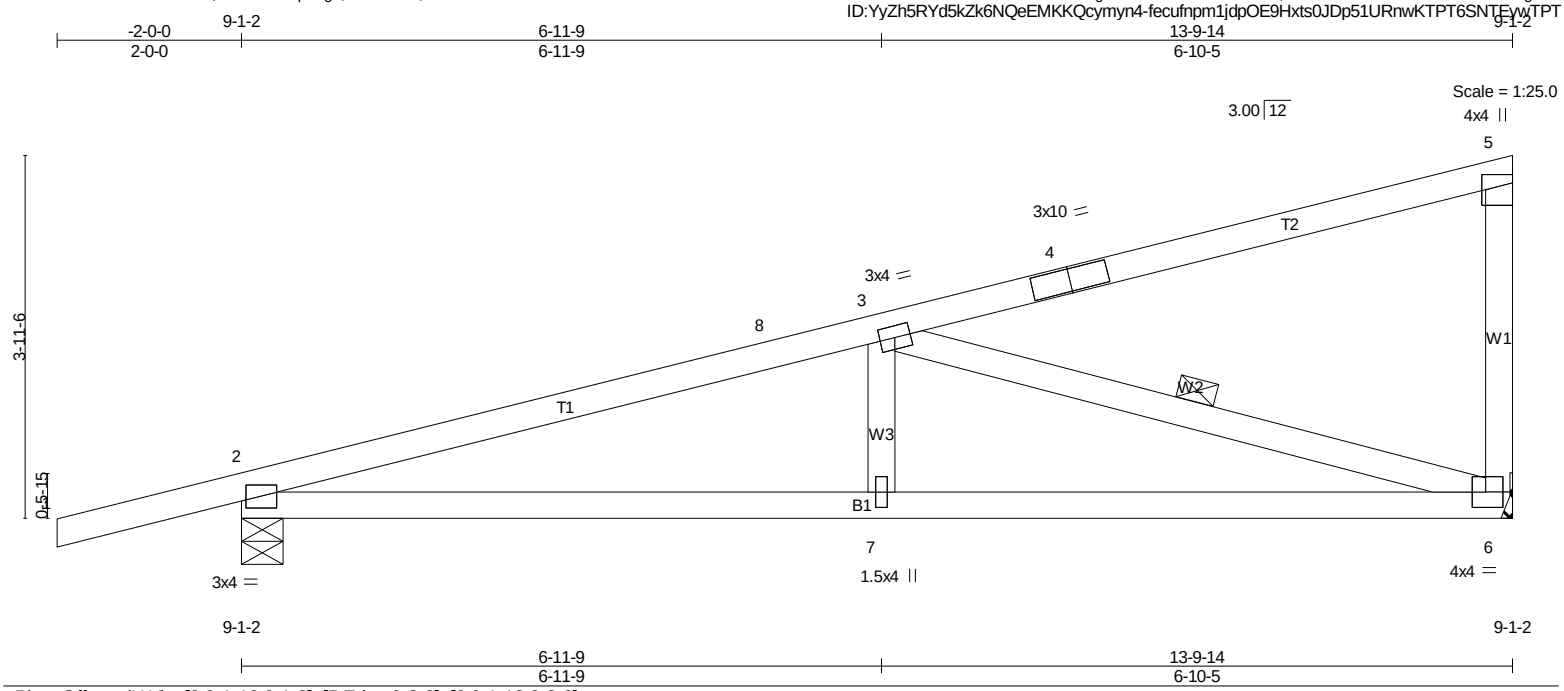


Plate Offsets (X,Y): [2:0-1-12,0-1-8], [5:Edge,0-3-8], [6:0-1-12,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.80	Vert(LL)	-0.10	2-7	>999	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.55	Vert(TL)	-0.20	2-7	>798	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.04	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 46 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 WW Stud/Std *Except*
W1: 2 X 4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-10-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-13 oc bracing.
WEBS 1 Row at midpt 3-6

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

REACTIONS (lb/size) 6=658/Mechanical, 2=866/0-5-8 (min. 0-1-9)
Max Horz 2=204(LC 6)
Max Uplift 6=-225(LC 5), 2=-365(LC 5)
Max Grav 6=822(LC 2), 2=933(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-1712/391, 3-8=-1574/399, 5-6=-315/119
BOT CHORD 2-7=-414/1582, 6-7=-414/1582
WEBS 3-7=0/308, 3-6=-1584/464

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) except (jt=lb) 6=225, 2=365.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J08	Jack-Closed Truss	4	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:50:57 2012 Page 1

ID:YyZh5RYd5kZk6NQeEMKKQcymyn4-7qAGs7qOo0lg0NkTVbNFsQLFNulsfi4ZimBx?gvwTPS

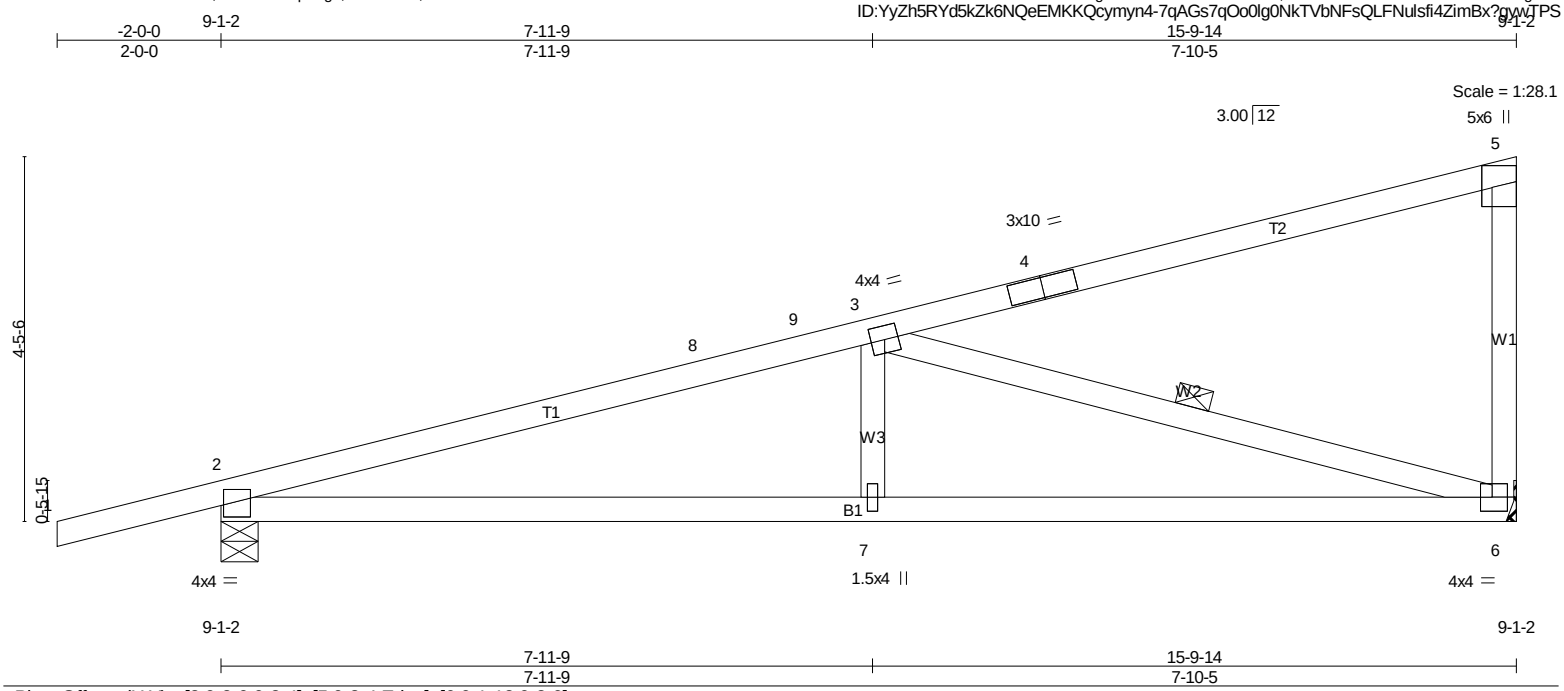


Plate Offsets (X,Y): [2:0-2-0,0-2-4], [5:0-3-4,Edge], [6:0-1-12,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.88	Vert(LL)	-0.13	2-7	>999	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.69	Vert(TL)	-0.31	2-7	>600	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.06	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 53 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF No.2 *Except*
T1: 2 X 4 SPF 1650F 1.5E
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 WW Stud/Std *Except*
W1: 2 X 4 SPF 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 8-2-4 oc bracing.
WEBS 1 Row at midpt 3-6

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

REACTIONS (lb/size) 6=760/Mechanical, 2=964/0-5-8 (min. 0-1-11)
Max Horz 2=231(LC 6)
Max Uplift 6=-261(LC 5), 2=-396(LC 5)
Max Grav 6=956(LC 2), 2=1038(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-2027/477, 8-9=-1876/485, 3-9=-1853/487, 5-6=-368/135
BOT CHORD 2-7=-506/1882, 6-7=-506/1882
WEBS 3-7=0/356, 3-6=-1885/565

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) except (jt=lb) 6=261, 2=396.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J09	Jack-Closed Truss	4	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:50:58 2012 Page 1

ID:YyZh5RYd5kZk6NQeEMKKQcymyn4-b1ke4Tr0ZKtXdXJg3IuUPeuT6l3qOFYixPxUY6ywTPR

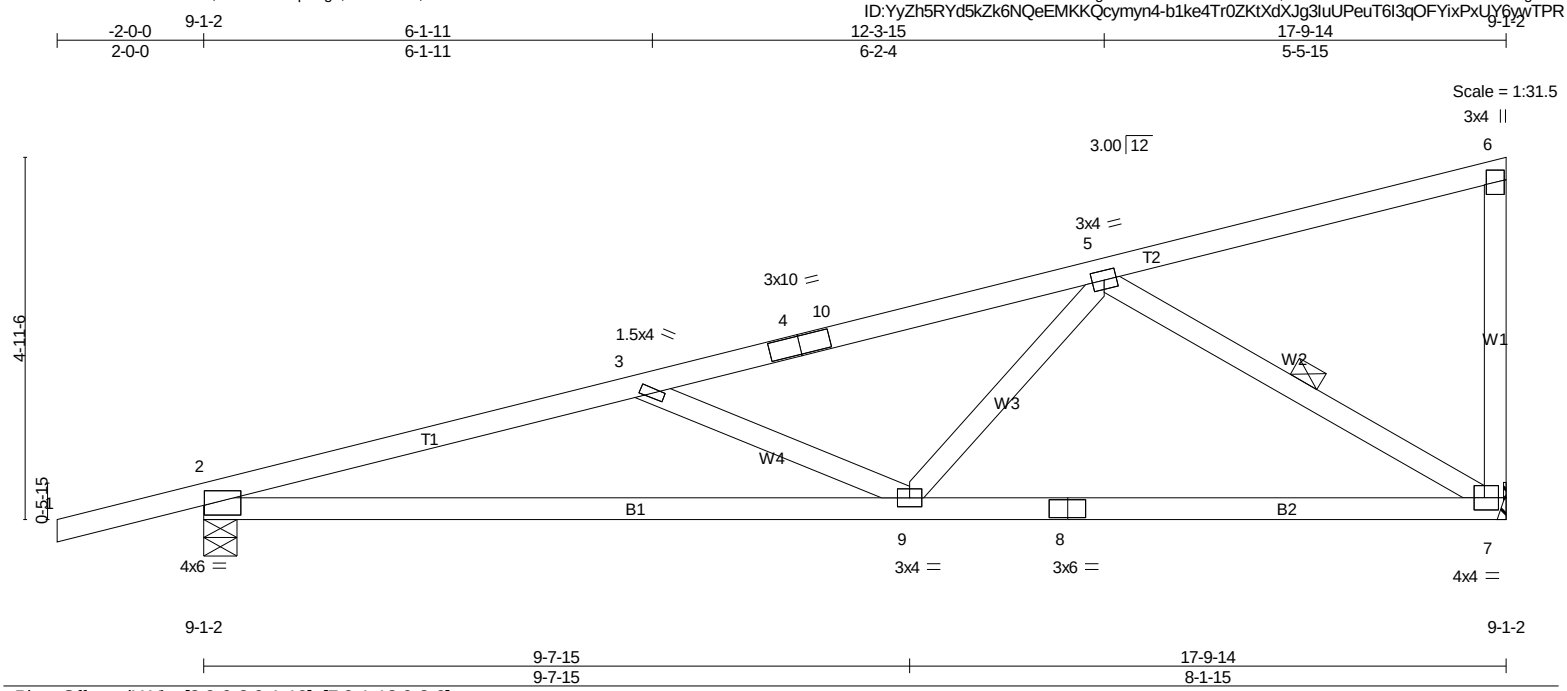


Plate Offsets (X,Y): [2:0-0-2,0-1-10], [7:0-1-12,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.69	Vert(LL)	-0.20	2-9	>999	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.83	Vert(TL)	-0.54	2-9	>390	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.06	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 62 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 WW Stud/Std

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-0 oc bracing.
WEBS 1 Row at midpt 5-7

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

REACTIONS (lb/size) 7=861/Mechanical, 2=1062/0-5-8 (min. 0-1-14)
Max Horz 2=258(LC 6)
Max Uplift 7=-297(LC 5), 2=-426(LC 5)
Max Grav 7=1091(LC 2), 2=1143(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2427/681, 3-4=-1793/405, 4-10=-1740/406, 5-10=-1727/414
BOT CHORD 2-9=-712/2271, 8-9=-336/1299, 7-8=-336/1299
WEBS 3-9=-653/363, 5-9=-71/605, 5-7=-1498/463

NOTES
1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 100 lb uplift at joint(s) except (jt=lb) 7=297, 2=426.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J10	Monopitch Truss	14	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:51:00 2012 Page 1

ID:YyZh5RYd5kZk6NQeEMKKQcymyn4-XPsOU9tH5x7FtrT2AjxyU2zmn5ids6j?OjQbc?wTPP

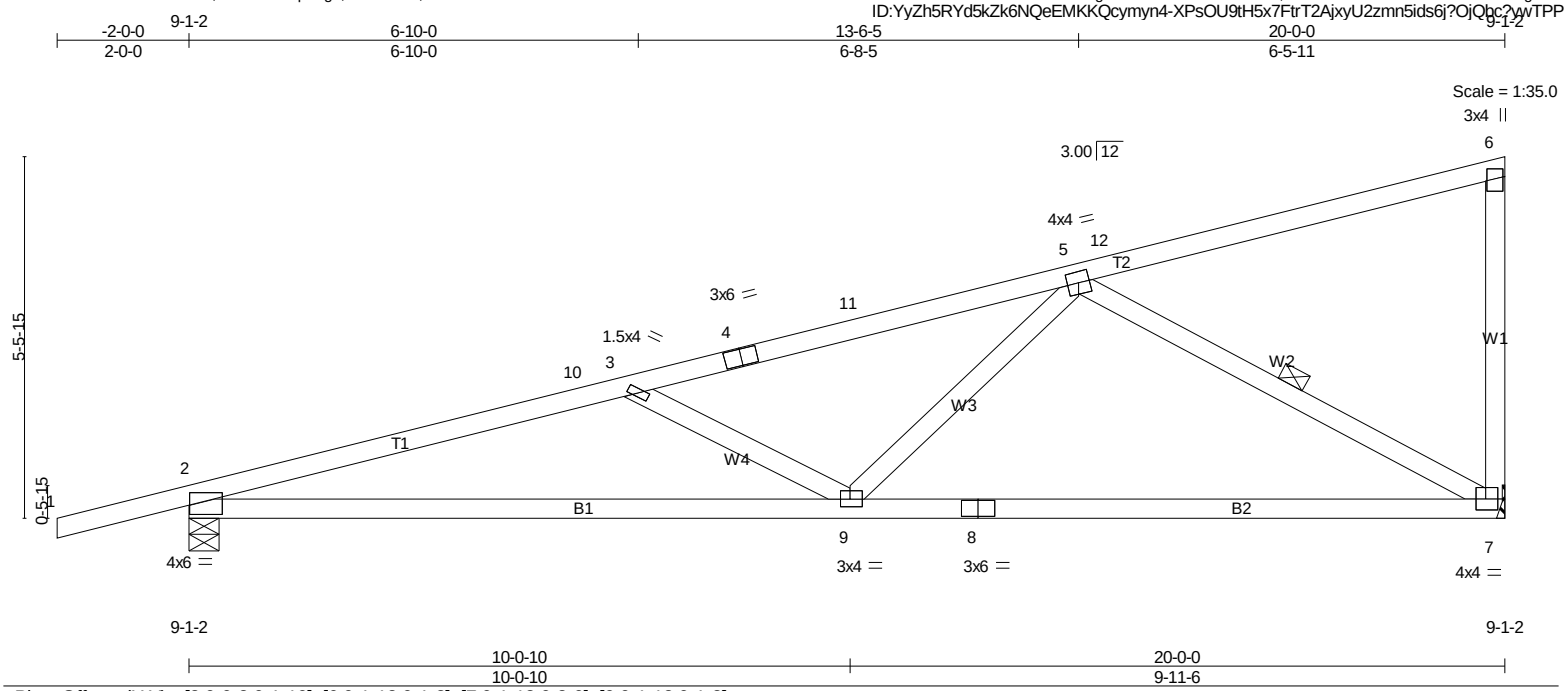


Plate Offsets (X,Y): [2:0-0-2,0-1-10], [6:0-1-12,0-1-8], [7:0-1-12,0-2-0], [9:0-1-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.87	Vert(LL)	-0.23	7-9	>999	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	1.00	Vert(TL)	-0.60	7-9	>394	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.08	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 69 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 WW Stud/Std

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS 1 Row at midpt 5-7

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

REACTIONS (lb/size) 7=971/Mechanical, 2=1170/0-5-8 (min. 0-2-1)
Max Horz 2=287(LC 6)
Max Uplift 7=-336(LC 5), 2=-460(LC 5)
Max Grav 7=1238(LC 2), 2=1257(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-2789/777, 3-10=-2647/779, 3-4=-2181/507, 4-11=-2113/513, 5-11=-2037/521, 6-7=-302/111
BOT CHORD 2-9=-816/2615, 8-9=-411/1535, 7-8=-411/1535
WEBS 3-9=-643/377, 5-9=-107/743, 5-7=-1727/547

NOTES

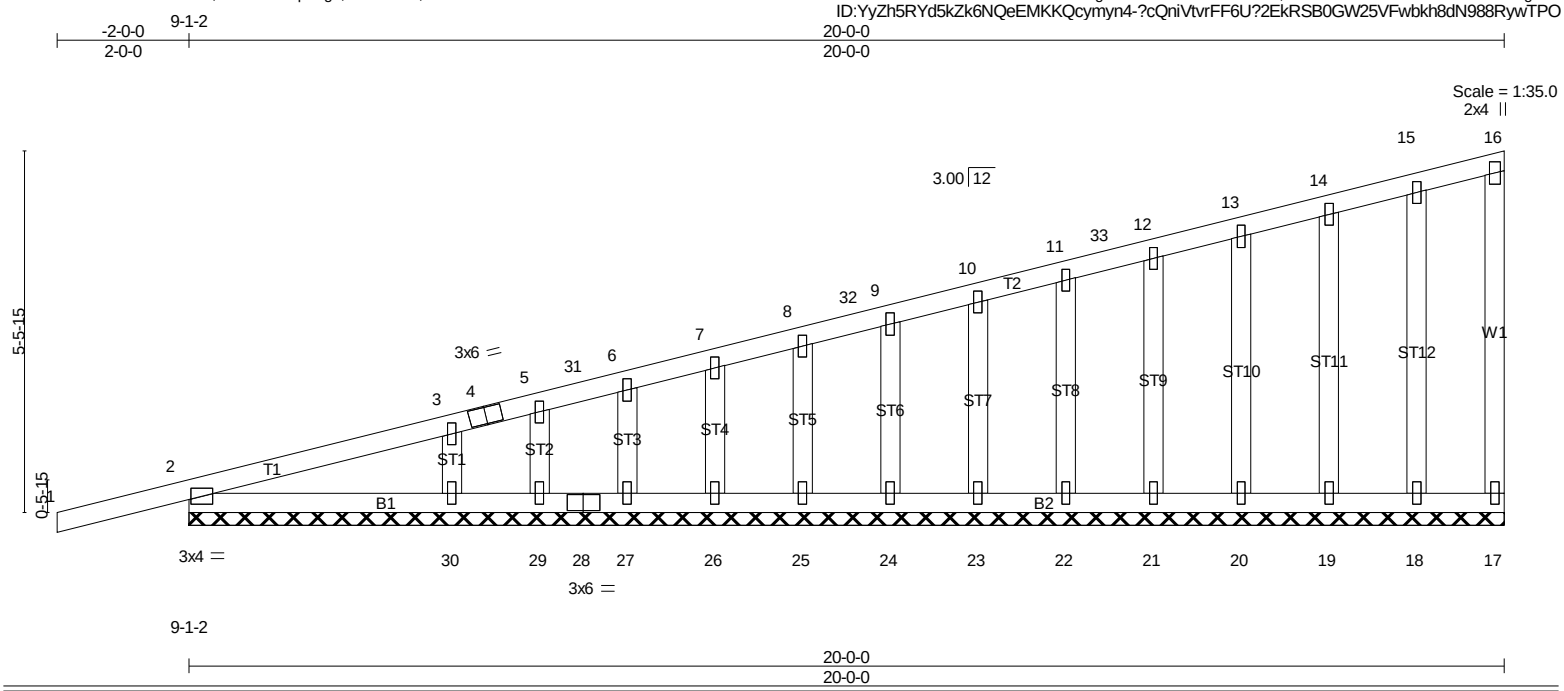
1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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 metal plate or equivalent at bearing(s) 6 to support reaction shown.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=336, 2=460.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	J10E	Jack-Closed Truss	2	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:51:01 2012 Page 1

ID:YyZh5RYd5kZk6NQeEMKKQcymyn4-?cQniVtvrFF6U?2EkRSB0GW25VFwbkh8dN988RywTPO



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.39	Vert(LL)	-0.07	1	n/r	120	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.10	Vert(TL)	-0.08	1	n/r	90		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	17	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 86 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD	2 X 4 SPF No.2
BOT CHORD	2 X 4 SPF No.2
WEBS	2 X 4 WW Stud/Std
OTHERS	2 X 4 WW Stud/Std

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 20-0-0.

(lb) - Max Horz 2=287(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30 except 2=-189(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29 except 2=377(LC 2), 30=323(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-30=-251/130

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
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) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18, 19, 20, 21, 22, 23, 24 , 25, 26, 27, 29, 30 except (jt=lb) 2=189.
12) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lam-Wood System, Inc.
B1207010	T01	Monopitch Truss	12	1	Job Reference (optional)

Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Jul 19 13:51:03 2012 Page 1

ID:YyZh5RYd5kZk6NQeEMKKQcymyn4-x_XX7Bv9NsVqkICdrrUf5hbH1Jl83SvR4heFDkywTPM

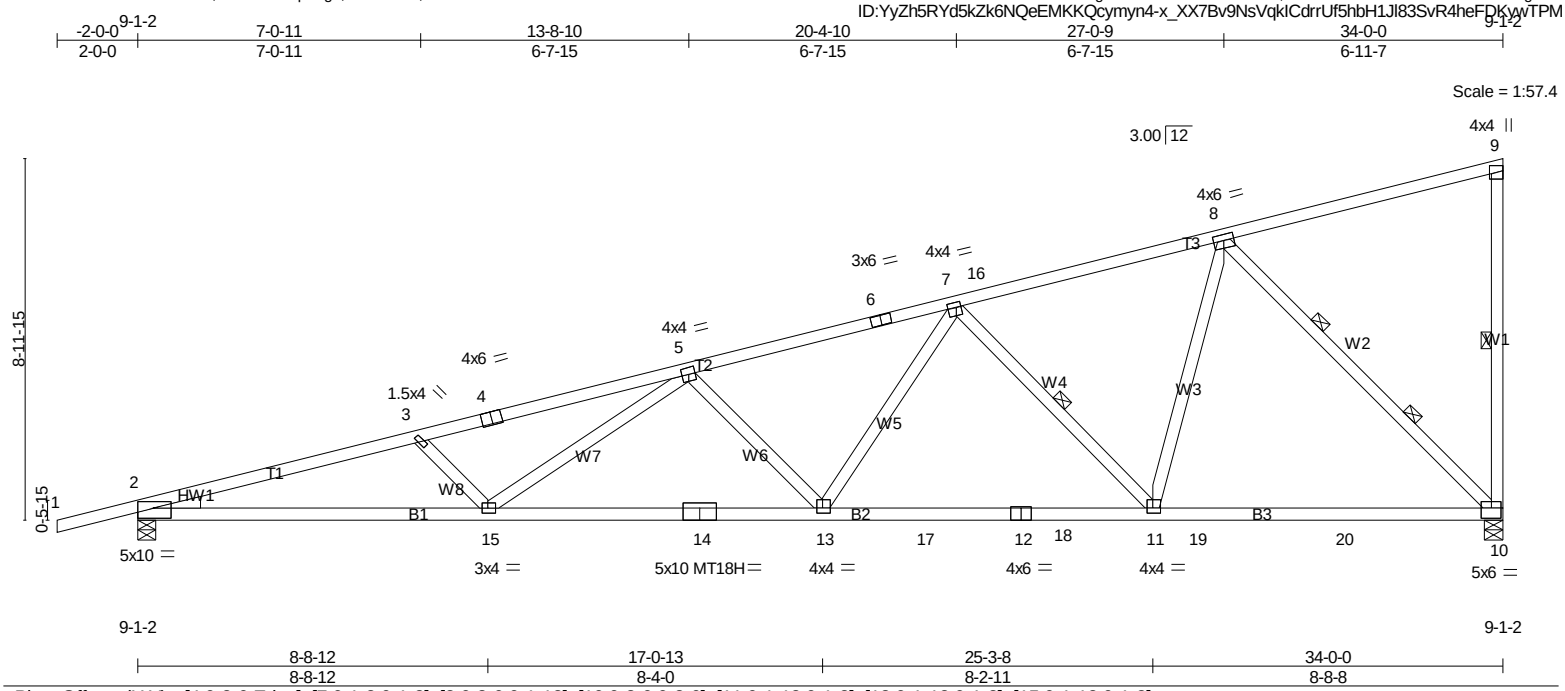


Plate Offsets (X,Y): [4:0-3-0,Edge], [7:0-1-8,0-1-8], [8:0-3-0,0-1-12], [10:0-3-0,0-3-0], [11:0-1-12,0-1-8], [13:0-1-12,0-1-8], [15:0-1-12,0-1-8]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase	1.15	TC	0.87	Vert(LL)	-0.44	13-15	>923	240	MT20	169/123
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.89	Vert(TL)	-0.85	13-15	>472	180	MT18H	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.20	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix)							Weight: 136 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2 X 4 SPF 1650F 1.5E *Except*
T1: 2 X 4 SPF 2100F 1.8E
BOT CHORD 2 X 4 SPF 1650F 1.5E *Except*
B1: 2 X 4 SPF 2100F 1.8E
WEBS 2 X 4 WW Stud/Std *Except*
W1,W3,W2: 2 X 4 SPF No.2
WEDGE
Left: 2 X 4 WW Stud/Std

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-3 oc bracing.
WEBS 1 Row at midpt 9-10, 7-11
2 Rows at 1/3 pts 8-10

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

REACTIONS (lb/size) 10=1847/0-5-8 (min. 0-3-14), 2=1923/0-5-8 (min. 0-3-6)
Max Horz 2=477(LC 6)
Max Uplift 10=-584(LC 5), 2=-680(LC 5)
Max Grav 10=2351(LC 2), 2=2042(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5590/1541, 3-4=-5263/1416, 4-5=-5198/1429, 5-6=-3986/1054, 6-7=-3870/1061, 7-16=-2385/586, 8-16=-2372/601, 9-10=-361/119
BOT CHORD 2-15=-1632/5303, 14-15=-1292/4425, 13-14=-1292/4425, 13-17=-850/3260, 17-18=-850/3260, 12-18=-850/3260, 11-12=-850/3260, 11-19=-388/1862, 19-20=-388/1862, 10-20=-388/1862
WEBS 3-15=-397/272, 5-15=-192/783, 5-13=-940/427, 7-13=-287/1052, 7-11=-1516/556, 8-11=-345/1500, 8-10=-2628/716

NOTES

1) Wind: ASCE 7-05; 100mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=584, 2=680.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard