



WEAVER CONSTRUCTION MANAGEMENT, INC.
 3679 S. Huron St., Suite 404
 Englewood, CO 80110
 Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITTAL

July 12, 2011

WGC Submittal No: 06100-001

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

SUBJECT: Roof Truss Drawings and Configurations

SPEC SECTION: 06100- Carpentry (3.3 D)

PREVIOUS SUBMISSION DATES: None

DEVIATIONS FROM SPEC: ___ YES X NO

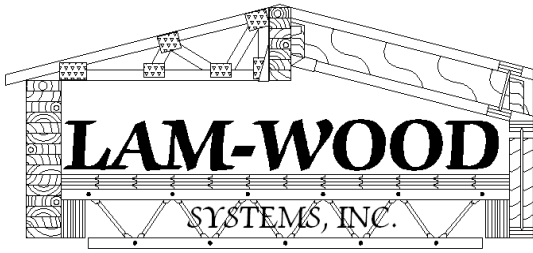
CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

Contractor's Stamp:

Engineer's Stamp:

Date: 7/12/11
 Reviewed by: H.C. Myers
 (X) Reviewed Without Comments
 () Reviewed With Comments

**ENGINEER'S
 COMMENTS:** _____



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

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

LETTER OF TRANSMITTAL

DATE: <u>7/12/11</u>	JOB NO.: <u>10609ML</u>
ATTENTION: <u>John Jacobs</u>	
RE: <u>Harold D Thompson Reg WRF</u>	
<u>Fountain, CO 80817</u>	
<u>john@weavergc.com & leslie@weavergc.com</u>	

We are sending you:

Attached
 Under separate cover

Via: e-mail, see above

The following items:

- Shop Drawings Prints Plans Specifications
 Copy of Letter Change order Samples _____

COPIES	DATE	NO.	DESCRIPTION
<u>1</u>			<u>Roof Truss shop drawings</u>
			FOR APPROVAL ONLY

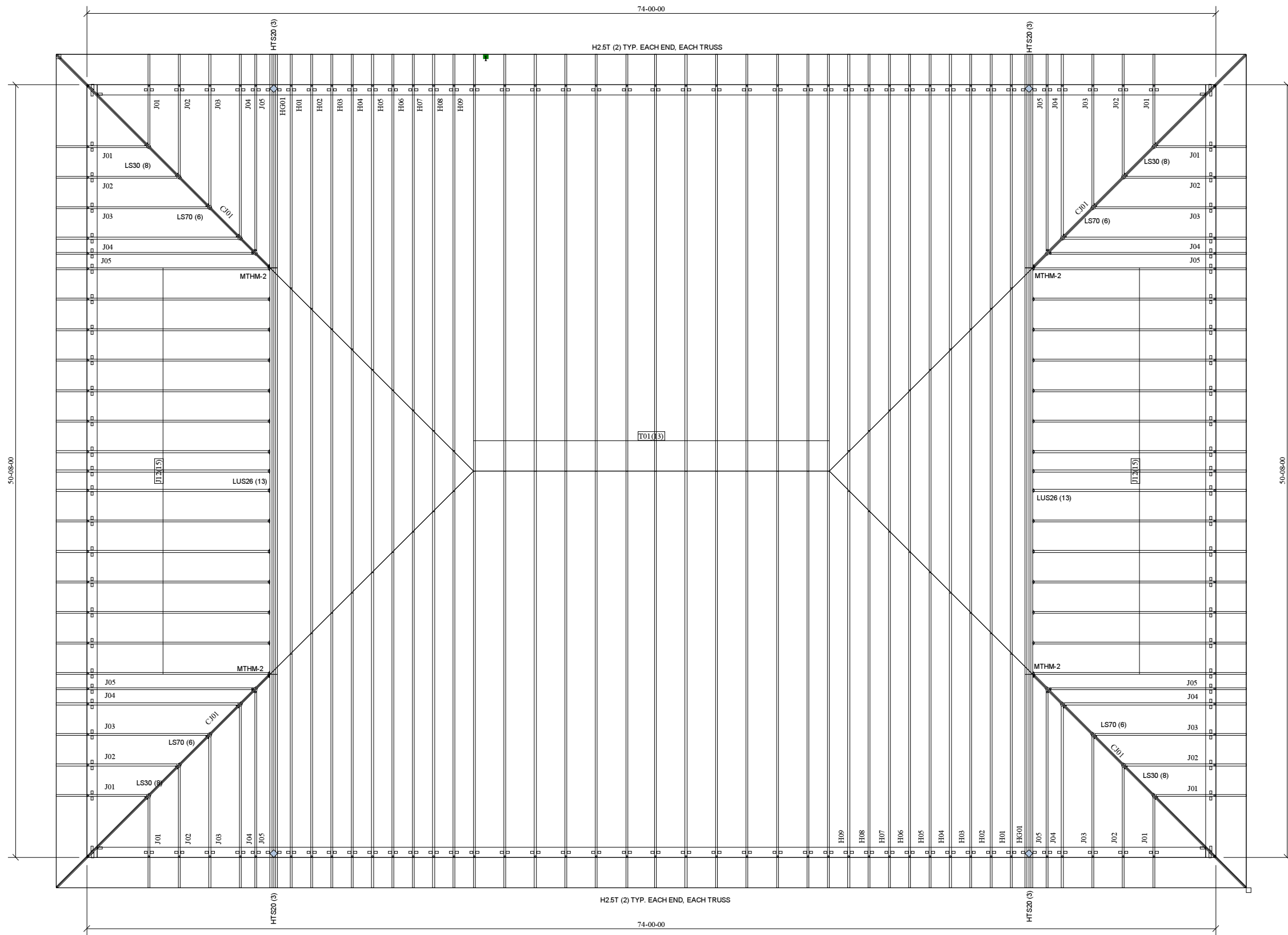
THESE ARE TRANSMITTED as checked below:


- For approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted submit _____ copies for distribution
 As requested Returned for corrections 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 Systems
JOB:	Harold D Thompson WRF
	14611 Lower Fountain Heights
	Fountain Co.
LOADING:	33-4-15
DATE:	7/12/2011
JOB #:	B1104093
DRAWN BY:	Chris Larimore
	

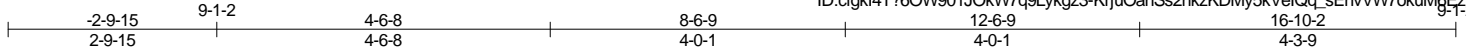
THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult "Bracing of wood trusses" available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53179.

Job B1104093	Truss CJ01	Truss Type DIAGONAL HIP GIRDER	Qty 4	Ply 1	B1104093-Harold H. Thompson
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Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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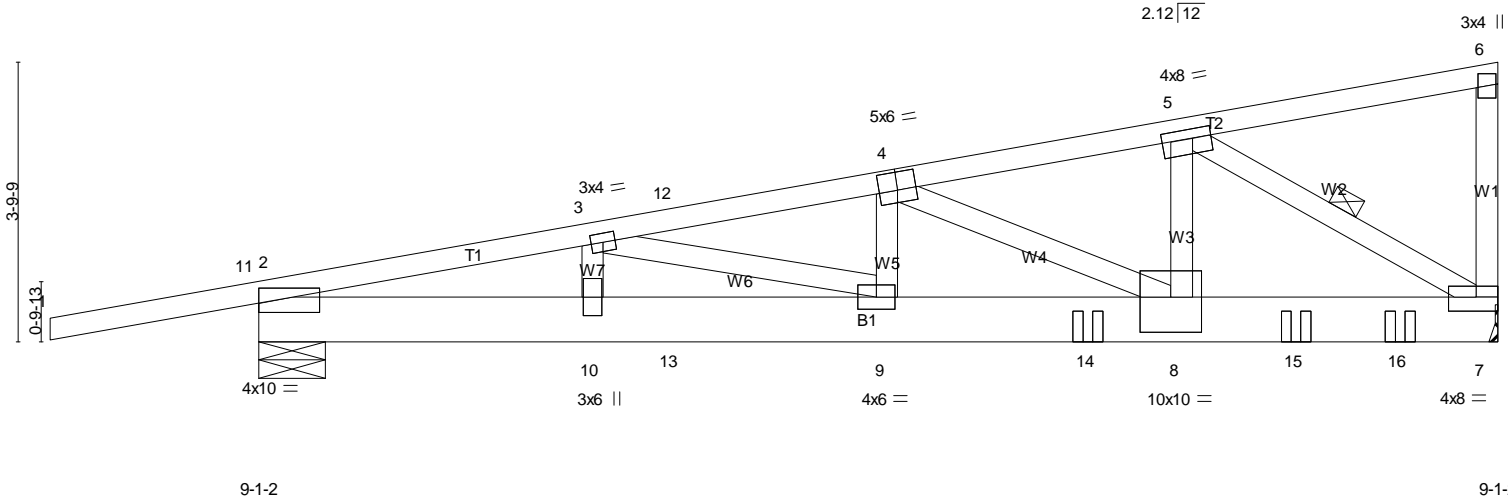


Plate Offsets (X,Y): [4:0-3-0,0-3-0], [5:0-3-0,0-1-8], [7:Edge,0-2-4], [8:0-5-0,0-5-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	1-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr NO Code IBC2006/TPI2002	TC 0.90 BC 0.83 WB 0.80 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.19 9-10 >999 360 Vert(TL) -0.33 9-10 >593 240 Horz(TL) 0.05 7 n/a n/a	MT20 Weight: 95 lb	169/123 FT = 0%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF 1650F 1.5E BOT CHORD 2 X 8 SYP DSS WEBS 2 X 4 WW Stud/Std *Except* W1,W3,W2: 2 X 4 SPF 1650F 1.5E	TOP CHORD Structural wood sheathing directly applied or 2-7-11 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 8-2-0 oc bracing. WEBS 1 Row at midpt 5-7

REACTIONS (lb/size) 7=3268/Mechanical, 2=1620/0-10-15 (min. 0-2-12)
Max Horz2=75(LC 6)
Max Uplift7=-970(LC 5), 2=-564(LC 7)
Max Grav7=3368(LC 2), 2=1660(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4687/1278, 3-12=-5148/1465, 4-12=-5105/1447, 4-5=-3788/1089
BOT CHORD 2-10=-1252/4499, 10-13=-1252/4499, 9-13=-1252/4499, 9-14=-1429/5016, 8-14=-1429/5016,
8-15=-1049/3711, 15-16=-1049/3711, 7-16=-1049/3711
WEBS 3-9=-193/551, 4-9=0/397, 4-8=-1453/423, 5-8=-784/2707, 5-7=-4251/1225

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 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 970 lb uplift at joint 7 and 564 lb uplift at joint 2.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 11) Use Simpson Strong-Tie SUL26 (6-10d Girder, 6-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-9-15 oc max. starting at 11-3-5 from the left end to 15-6-4 to connect truss(es) J03 (1 ply 2 X 4 SPF) to front face of bottom chord.
 - 12) Use Simpson Strong-Tie SUR26 (6-10d Girder, 6-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-9-15 oc max. starting at 11-3-5 from the left end to 15-6-4 to connect truss(es) J03 (1 ply 2 X 4 SPF) to back face of bottom chord.
 - 13) Fill all nail holes where hanger is in contact with lumber.
 - 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 119 lb down and 62 lb up at 5-7-7, 119 lb down and 62 lb up at 5-7-7, and 233 lb down and 124 lb up at 8-5-6, and 233 lb down and 124 lb up at 8-5-6 on top chord, and 82 lb down at 5-7-7, 82 lb down at 5-7-7, and 132 lb down at 8-5-6, and 132 lb down at 8-5-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 15) 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

Job	Truss	Truss Type	Qty	Ply	B1104093-Harold H. Thompson
B1104093	CJ01	DIAGONAL HIP GIRDER	4	1	Job Reference (optional)

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

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LOAD CASE(S) Standard

1) Snow: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-37, 2-7=-15

Concentrated Loads (lb)

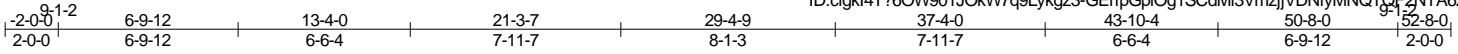
Vert: 4=-442(F=-221, B=-221) 9=-158(F=-79, B=-79) 12=-215(F=-108, B=-108) 13=-98(F=-49, B=-49) 14=-921(F=-460, B=-460) 15=-1198(F=-599, B=-599) 16=-887(F=-444, B=-444)

Job	Truss	Truss Type	Qty	Ply	B1104093-Harold H. Thompson
B1104093	H01	HIP TRUSS	2	1	Job Reference (optional)

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

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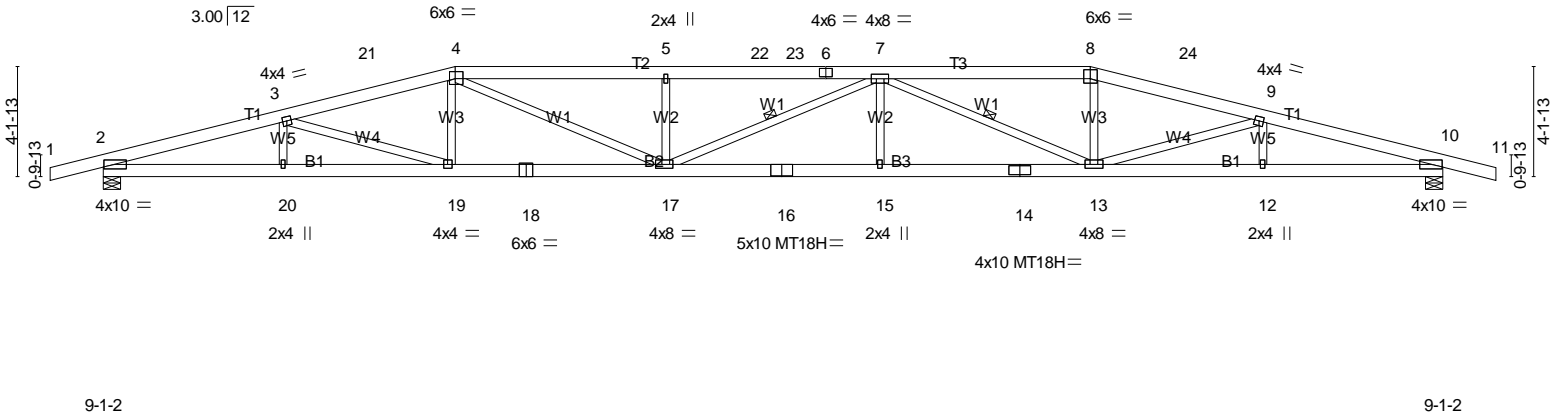


Plate Offsets (X,Y): [2:0-0-7,0-0-13], [4:0-3-4,0-3-4], [8:0-3-0,0-4-0], [10:0-0-7,0-0-13], [17:0-3-0,0-2-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0)	1-4-0	TC 0.71	Vert(LL) -0.73	15-17	>821	360	MT20	169/123
TCDL 4.0	Plates Increase 1.15	BC 0.76	Vert(TL) -1.26	15-17	>475	240	MT18H	197/144
BCLL 0.0 *	Lumber Increase 1.15	WB 0.71	Horz(TL) 0.26	10	n/a	n/a		
BCDL 15.0	Rep Stress Incr YES	(Matrix)						
	Code IBC2006/TPI2002							
							Weight: 248 lb	FT = 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: 2 X 4 SPF 1650F 1.5E

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-5-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-2-13 oc bracing.
 WEBS 1 Row at midpt 7-17, 7-13

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

REACTIONS (lb/size) 2=1848/0-8-0 (min. 0-3-3), 10=1848/0-8-0 (min. 0-3-3)
 Max Horz2=49(LC 5)
 Max Uplift2=711(LC 5), 10=711(LC 6)
 Max Grav2=1923(LC 17), 10=1923(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-5017/1659, 3-21=-5285/1647, 4-21=-5259/1650, 4-5=-6815/2000, 5-22=-6814/2000,
 22-23=-6814/2000, 6-23=-6814/2000, 6-7=-6814/2000, 7-8=-5097/1622, 8-24=-5261/1649,
 9-24=-5287/1646, 9-10=-5014/1660
 BOT CHORD 2-20=-1582/4758, 19-20=-1582/4758, 18-19=-1546/5125, 17-18=-1546/5125, 16-17=-1875/6813,
 15-16=-1875/6813, 14-15=-1875/6813, 13-14=-1875/6813, 12-13=-1533/4754, 10-12=-1533/4754
 WEBS 3-19=-501/389, 4-19=-2/340, 4-17=-516/1862, 5-17=-633/251, 7-15=0/265, 7-13=-1887/527,
 8-13=-166/852, 9-13=-497/395

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 711 lb uplift at joint 2 and 711 lb uplift at joint 10.
 - 11) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

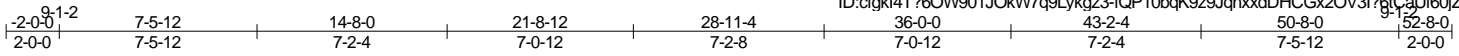
LOAD CASE(S) Standard

Job B1104093	Truss H02	Truss Type HIP TRUSS	Qty 2	Ply 1	B1104093-Harold H. Thompson
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Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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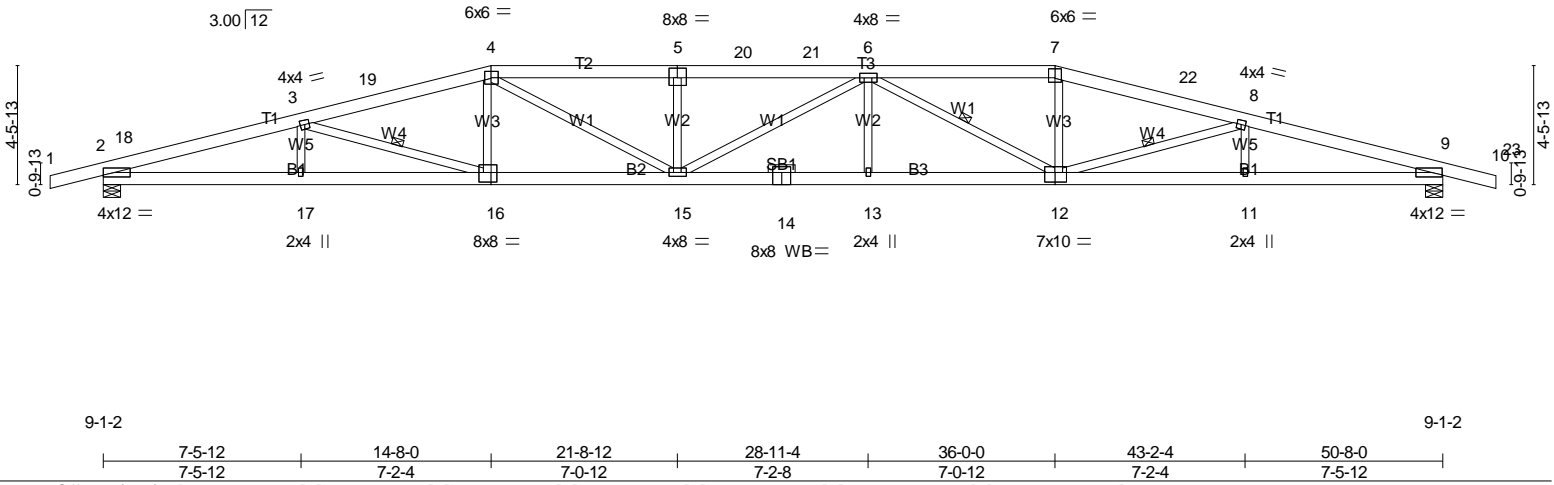


Plate Offsets (X,Y): [2:0-0-3,0-0-13], [4:0-3-4,0-3-0], [5:0-4-0,0-4-8], [7:0-3-0,0-4-0], [9:0-0-3,0-0-13], [12:0-4-12,0-4-8], [16:0-2-12,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	1-4-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.75 BC 0.73 WB 0.67 (Matrix)	Vert(LL) -0.60 Vert(TL) -1.07 Horz(TL) 0.24	13-15 13-15 9	>999 >559 n/a	360 240 n/a	MT20	169/123
							Weight: 250 lb	FT = 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: 2 X 4 SPF 1650F 1.5E
 OTHERS 2 X 4 WW Stud/Std

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-9-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-7-9 oc bracing.
 WEBS 1 Row at midpt 3-16, 6-12, 8-12

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

REACTIONS (lb/size) 2=1848/0-8-0 (min. 0-3-5), 9=1848/0-8-0 (min. 0-3-5)
 Max Horz2=53(LC 5)
 Max Uplift2=706(LC 5), 9=706(LC 6)
 Max Grav2=2003(LC 17), 9=2003(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-5024/1668, 3-19=-4936/1589, 4-19=-4910/1593, 4-5=-6001/1822, 5-20=-6001/1822,
 20-21=-6001/1822, 6-21=-6001/1822, 6-7=-4787/1574, 7-22=-4911/1592, 8-22=-4937/1588,
 8-9=-5022/1669
 BOT CHORD 2-17=-1596/4745, 16-17=-1596/4745, 15-16=-1484/4786, 14-15=-1691/6001, 13-14=-1691/6001,
 12-13=-1691/6001, 11-12=-1543/4743, 9-11=-1543/4743
 WEBS 3-16=-707/187, 4-16=-17/387, 4-15=-401/1398, 5-15=-561/221, 6-12=-1397/405,
 7-12=-165/814, 8-12=-704/190

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 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 706 lb uplift at joint 2 and 706 lb uplift at joint 9.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

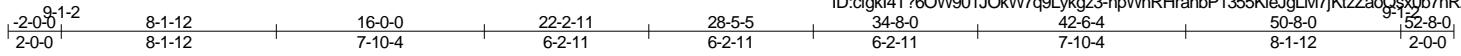
LOAD CASE(S) Standard

Job B1104093	Truss H03	Truss Type HIP TRUSS	Qty 2	Ply 1	B1104093-Harold H. Thompson
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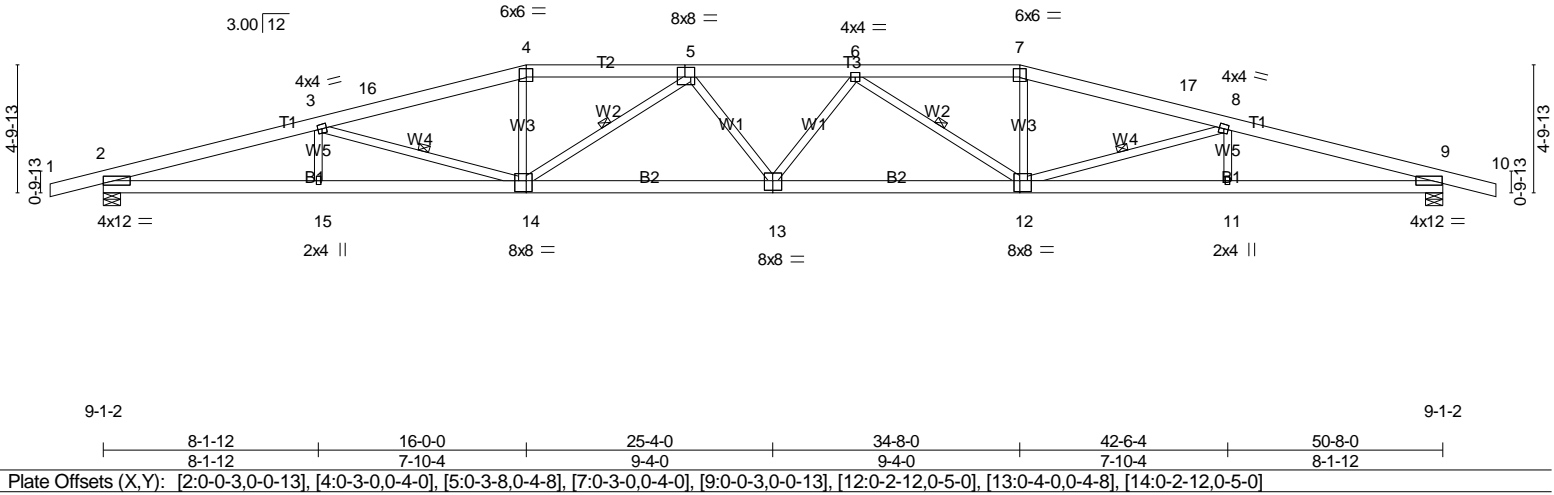
Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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Scale = 1:87.1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	1-4-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.79 BC 0.72 WB 0.63 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.51 13 >999 360 Vert(TL) -0.95 13-14 >635 240 Horz(TL) 0.23 9 n/a n/a	MT20 Weight: 242 lb	169/123 FT = 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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-0-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-9-8 oc bracing.
 WEBS 1 Row at midpt 3-14, 5-14, 6-12, 8-12

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

REACTIONS (lb/size) 2=1848/0-8-0 (min. 0-3-7), 9=1848/0-8-0 (min. 0-3-7)
 Max Horz2=58(LC 5)
 Max Uplift2=701(LC 5), 9=701(LC 6)
 Max Grav2=2082(LC 17), 9=2082(LC 17)

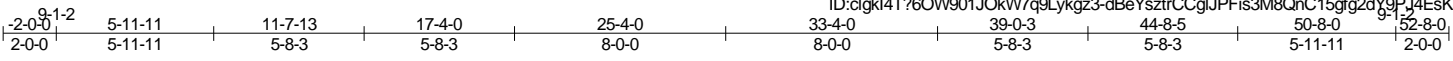
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-5260/1669, 3-16=-4595/1524, 4-16=-4567/1529, 4-5=-4452/1515, 5-6=-5321/1635,
 6-7=-4452/1515, 7-17=-4567/1528, 8-17=-4595/1524, 8-9=-5260/1670
 BOT CHORD 2-15=-1601/4945, 14-15=-1601/4945, 13-14=-1579/5260, 12-13=-1538/5260, 11-12=-1544/4945,
 9-11=-1544/4945
 WEBS 3-14=-879/211, 4-14=-154/758, 5-14=-987/322, 5-13=-46/263, 6-13=-46/263, 6-12=-987/322,
 7-12=-154/758, 8-12=-879/212

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 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 701 lb uplift at joint 2 and 701 lb uplift at joint 9.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

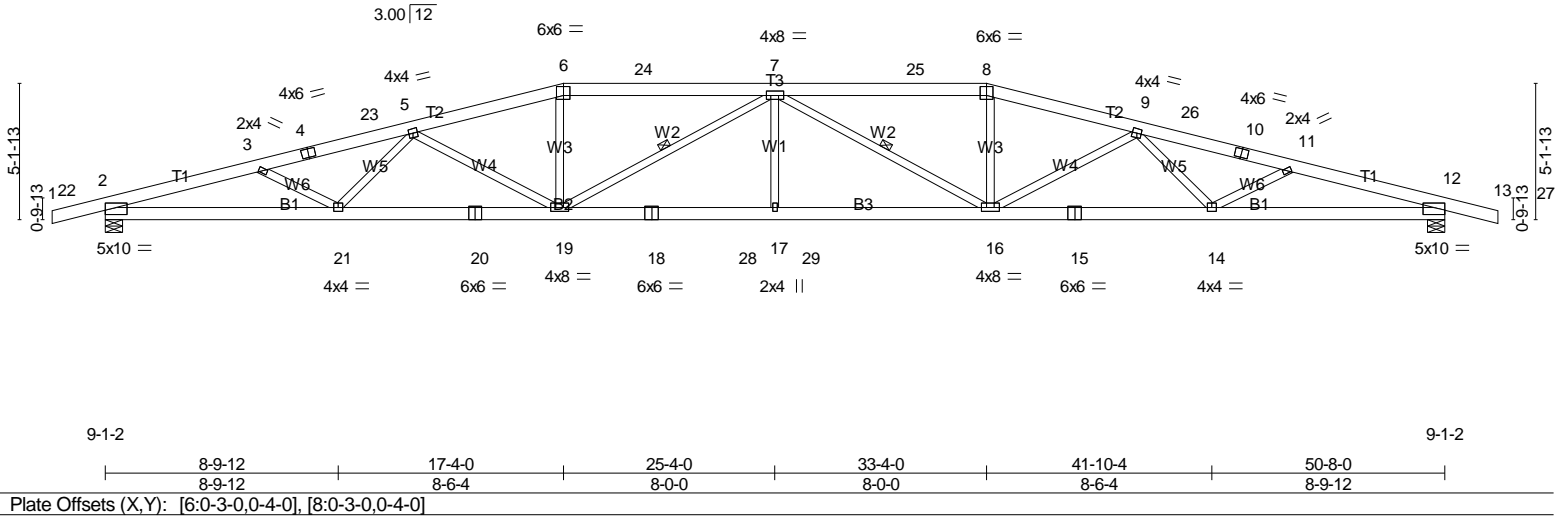
LOAD CASE(S) Standard

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

ID:clgk14T?6OW901JOKW7q9Lykgz3-dBeYsZtrCCgJPFis3M8QnC15gfg2dy9PJ4EsKz1SYp



Scale = 1:87.1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	1-4-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.91 BC 0.75 WB 0.91 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.48 17 >999 360 Vert(TL) -0.88 16-17 >680 240 Horz(TL) 0.23 12 n/a n/a	MT20 Weight: 247 lb	169/123 FT = 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-11-6 oc bracing.
WEBS 1 Row at midpt 7-19, 7-16

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

REACTIONS (lb/size) 2=1880/0-8-0 (min. 0-3-10), 12=1880/0-8-0 (min. 0-3-10)
Max Horz2=62(LC 5)
Max Uplift2=695(LC 5), 12=695(LC 6)
Max Grav2=2194(LC 17), 12=2194(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5415/1607, 3-4=-5294/1572, 4-23=-5255/1573, 5-23=-5221/1575, 5-6=-4557/1468,
6-24=-4374/1445, 7-24=-4374/1445, 7-25=-4374/1445, 8-25=-4374/1445, 8-9=-4557/1468,
9-26=-5221/1576, 10-26=-5255/1573, 10-11=-5294/1573, 11-12=-5415/1608
BOT CHORD 2-21=-1540/5069, 20-21=-1531/4989, 19-20=-1531/4989, 18-19=-1446/4946, 18-28=-1446/4946,
17-28=-1446/4946, 17-29=-1446/4946, 16-29=-1446/4946, 15-16=-1470/4989, 14-15=-1470/4989,
12-14=-1480/5069
WEBS 3-21=-21/330, 5-19=-802/219, 6-19=-136/754, 7-19=-871/272, 7-17=0/256, 7-16=-871/271,
8-16=-135/754, 9-16=-802/219, 11-14=-21/330

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 15.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 695 lb uplift at joint 2 and 695 lb uplift at joint 12.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

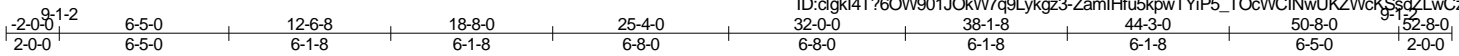
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	B1104093-Harold H. Thompson
B1104093	H05	HIP TRUSS	2	1	Job Reference (optional)

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

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ID:cgk14T?6OW901JOKW7q9Lykgz3-ZamlHfu5kpwTYiP5_TocWCINwUKZWckSsdZLwCz1SYn



Scale = 1:87.1

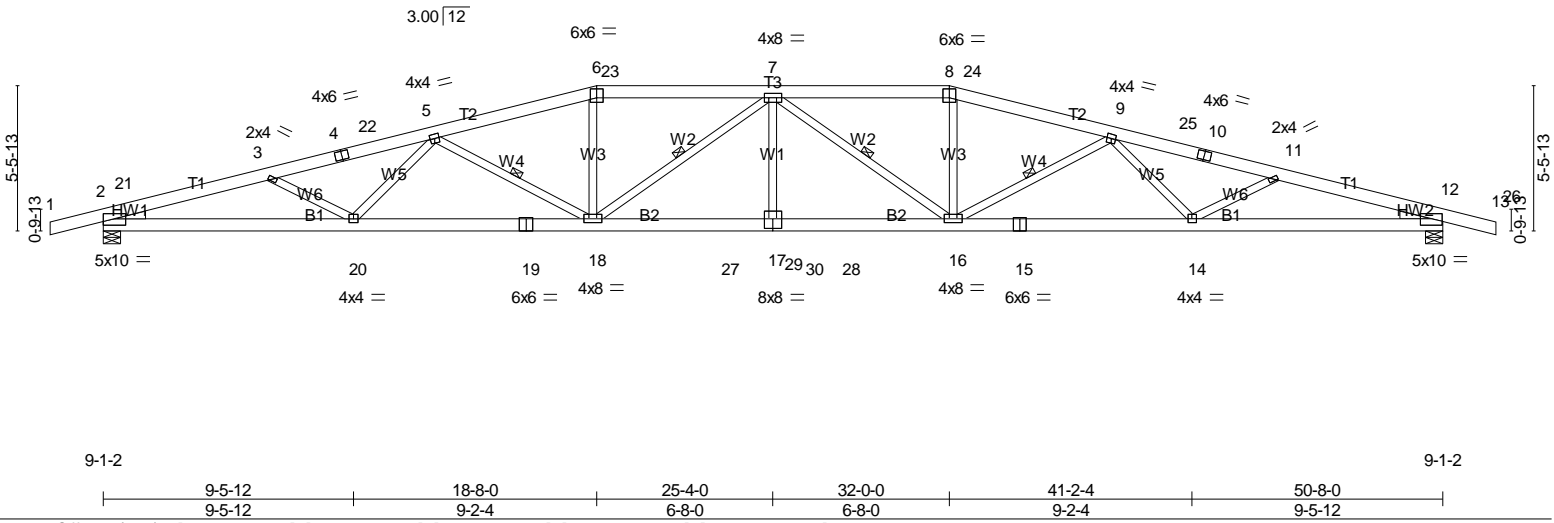


Plate Offsets (X,Y): [2:0-0-3,0-1-9], [6:0-3-0,0-4-0], [8:0-3-0,0-4-0], [12:0-0-3,0-1-9], [17:0-4-0,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	1-4-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.95 BC 0.78 WB 0.63 (Matrix)	Vert(LL) -0.51 Vert(TL) -0.88 Horz(TL) 0.24	17 17 12	>999 >679 n/a	360 240 n/a	MT20	169/123
							Weight: 251 lb	FT = 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
 WEDGE
 Left: 2 X 4 WW Stud/Std, Right: 2 X 4 WW Stud/Std

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-11-2 oc bracing.
 WEBS 1 Row at midpt 5-18, 7-18, 7-16, 9-16

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

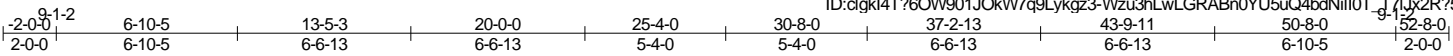
REACTIONS (lb/size) 2=1886/0-8-0 (min. 0-3-12), 12=1886/0-8-0 (min. 0-3-12)
 Max Horz2=-66(LC 6)
 Max Uplift2=-689(LC 5), 12=-689(LC 6)
 Max Grav2=-2279(LC 17), 12=-2279(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-5747/1611, 3-4=-5566/1551, 4-22=-5524/1551, 5-22=-5503/1554, 5-23=-4597/1394, 6-23=-4481/1394, 6-7=-4380/1373, 7-8=-4380/1373, 8-24=-4480/1394, 9-24=-4597/1394, 9-25=-5503/1555, 10-25=-5524/1552, 10-11=-5566/1552, 11-12=-5747/1612
 BOT CHORD 2-20=-1550/5393, 19-20=-1497/5198, 18-19=-1497/5198, 18-27=-1309/4524, 27-29=-1309/4524, 17-29=-1309/4524, 17-30=-1309/4524, 28-30=-1309/4524, 16-28=-1309/4524, 15-16=-1431/5198, 14-15=-1431/5198, 12-14=-1485/5393
 WEBS 3-20=-98/276, 5-20=0/295, 5-18=-921/270, 6-18=-141/764, 7-18=-688/208, 7-16=-688/207, 8-16=-141/764, 9-16=-921/270, 9-14=0/295, 11-14=-98/276

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 15.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 689 lb uplift at joint 2 and 689 lb uplift at joint 12.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job B1104093	Truss H06	Truss Type HIP TRUSS	Qty 2	Ply 1	B1104093-Harold H. Thompson
Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore					Job Reference (optional)



Scale = 1:87.1

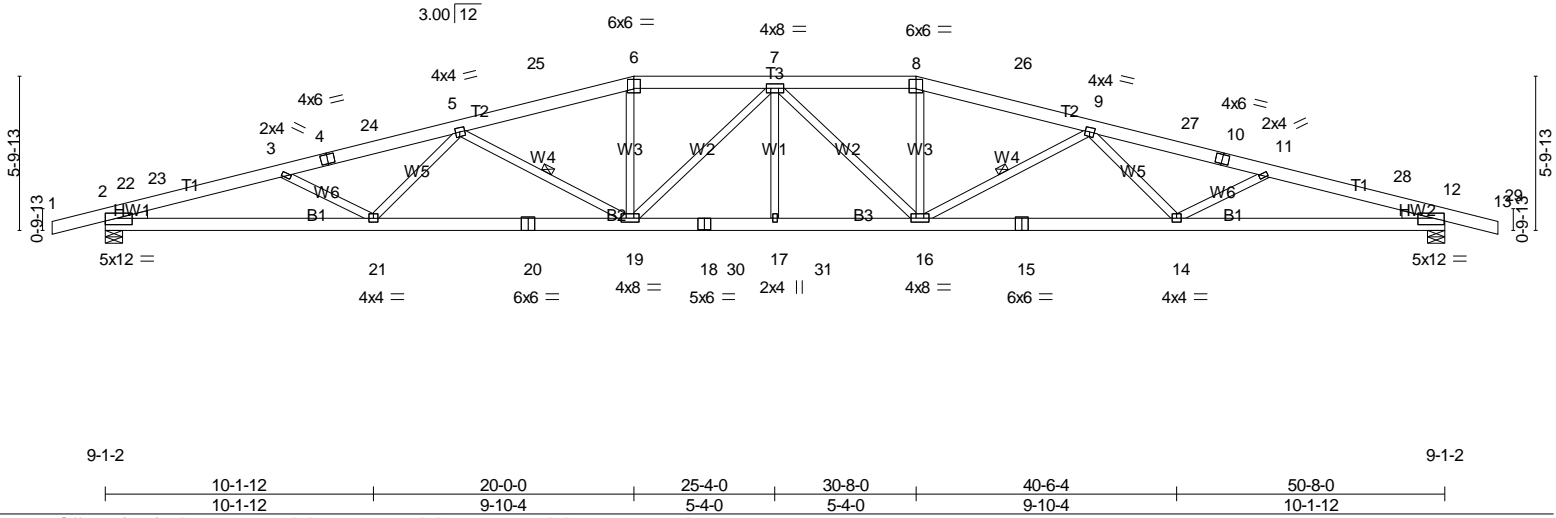


Plate Offsets (X, Y): [2:0-0-3,0-1-9], [6:0-3-0,0-4-0], [8:0-3-0,0-4-0], [12:0-0-3,0-1-9]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	1-4-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.99 BC 0.82 WB 0.81 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.54 17 >999 360 Vert(TL) -0.90 17 >666 240 Horz(TL) 0.25 12 n/a n/a	MT20	169/123
				Weight: 252 lb	FT = 0%

LUMBER	BRACING
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 WEDGE Left: 2 X 4 WW Stud/Std, Right: 2 X 4 WW Stud/Std	TOP CHORD Structural wood sheathing directly applied or 3-9-13 oc purlins. BOT CHORD Rigid ceiling directly applied or 7-10-14 oc bracing. WEBS 1 Row at midpt 5-19, 9-16
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS (lb/size) 2=1893/0-8-0 (min. 0-3-14), 12=1893/0-8-0 (min. 0-3-14)
 Max Horz2=70(LC 5)
 Max Uplift2=683(LC 5), 12=683(LC 6)
 Max Grav2=2366(LC 17), 12=2366(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-23=-6076/1603, 3-23=-5997/1609, 3-4=-5848/1523, 4-24=-5788/1524, 5-24=-5780/1527,
 5-25=-4713/1315, 6-25=-4650/1318, 6-7=-4490/1301, 7-8=-4490/1301, 8-26=-4650/1318,
 9-26=-4713/1315, 9-27=-5780/1527, 10-27=-5788/1524, 10-11=-5848/1523, 11-28=-5997/1610,
 12-28=-6076/1604
 BOT CHORD 2-21=-1553/5712, 20-21=-1456/5404, 19-20=-1456/5404, 18-19=-1186/4538, 18-30=-1186/4538,
 17-30=-1186/4538, 17-31=-1186/4538, 16-31=-1186/4538, 15-16=-1386/5404, 14-15=-1386/5404,
 12-14=-1484/5712
 WEBS 5-21=-10/361, 5-19=-1033/315, 6-19=-140/762, 7-19=-525/201, 7-16=-525/201, 8-16=-140/762,
 9-16=-1033/315, 9-14=-10/361

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 15.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 683 lb uplift at joint 2 and 683 lb uplift at joint 12.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

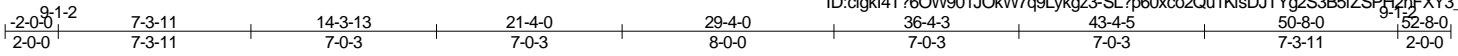
LOAD CASE(S) Standard

Job B1104093	Truss H07	Truss Type Hip Truss	Qty 2	Ply 1	B1104093-Harold H. Thompson
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Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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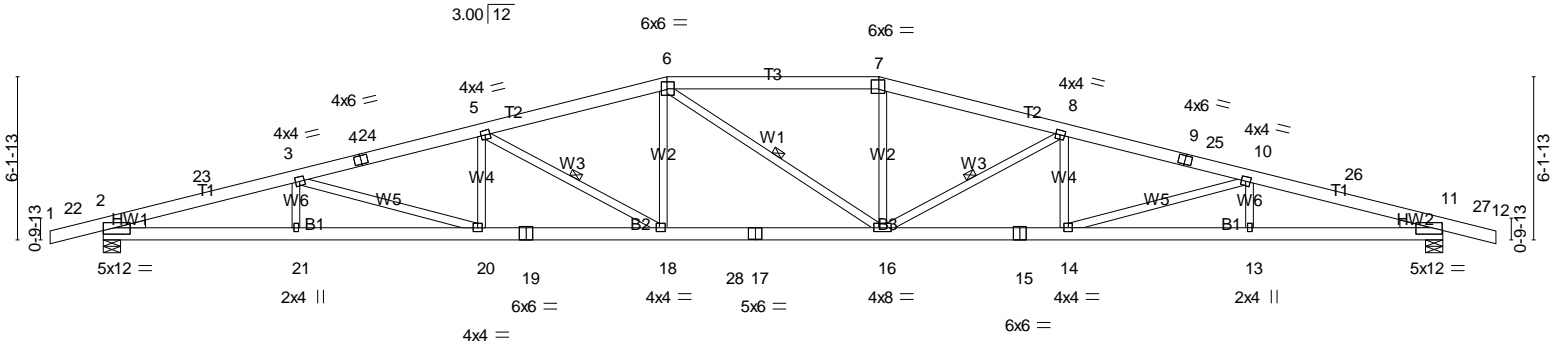


Plate Offsets (X,Y): [2:0-0-3,0-1-9], [6:0-3-4,0-3-4], [7:0-3-4,0-4-0], [11:0-0-3,0-1-9], [18:0-1-8,0-2-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0)	1-4-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.93 BC 0.91 WB 0.70 (Matrix)	Vert(LL) -0.57 Vert(TL) -0.95 Horz(TL) 0.26	16-18 16-18 11	>999 >633 n/a	360 240 n/a	MT20	169/123
TCDL 4.0 BCLL 0.0 * BCDL 15.0	Rep Stress Incr YES Code IBC2006/TPI2002						Weight: 252 lb	FT = 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
 WEDGE
 Left: 2 X 4 WW Stud/Std, Right: 2 X 4 WW Stud/Std

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-7-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.
 WEBS 1 Row at midpt 5-18, 6-16, 8-16

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

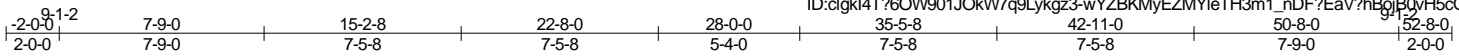
REACTIONS (lb/size) 2=1886/0-8-0 (min. 0-3-15), 11=1878/0-8-0 (min. 0-3-15)
 Max Horz2=74(LC 5)
 Max Uplift2=-676(LC 5), 11=-676(LC 6)
 Max Grav2=2408(LC 17), 11=2400(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-23=-6420/1563, 3-23=-6335/1567, 3-4=-5855/1478, 4-24=-5801/1478, 5-24=-5795/1481,
 5-6=-4769/1246, 6-7=-4512/1236, 7-8=-4743/1246, 8-25=-5765/1482, 9-25=-5772/1478,
 9-10=-5825/1478, 10-26=-6311/1568, 11-26=-6395/1565
 BOT CHORD 2-21=-1519/6047, 20-21=-1519/6047, 19-20=-1398/5622, 18-19=-1398/5622, 18-28=-1106/4535,
 17-28=-1106/4535, 16-17=-1106/4535, 15-16=-1324/5593, 14-15=-1324/5593, 13-14=-1447/6023,
 11-13=-1447/6023
 WEBS 3-20=-477/157, 5-20=-13/286, 5-18=-1228/333, 6-18=-119/832, 6-16=-458/396, 7-16=-87/801,
 8-16=-1222/333, 8-14=-13/287, 10-14=-480/158

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 15.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 676 lb uplift at joint 2 and 676 lb uplift at joint 11.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job B1104093	Truss H08	Truss Type HIP TRUSS	Qty 2	Ply 1	B1104093-Harold H. Thompson
Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore					Job Reference (optional)



Scale = 1:87.1

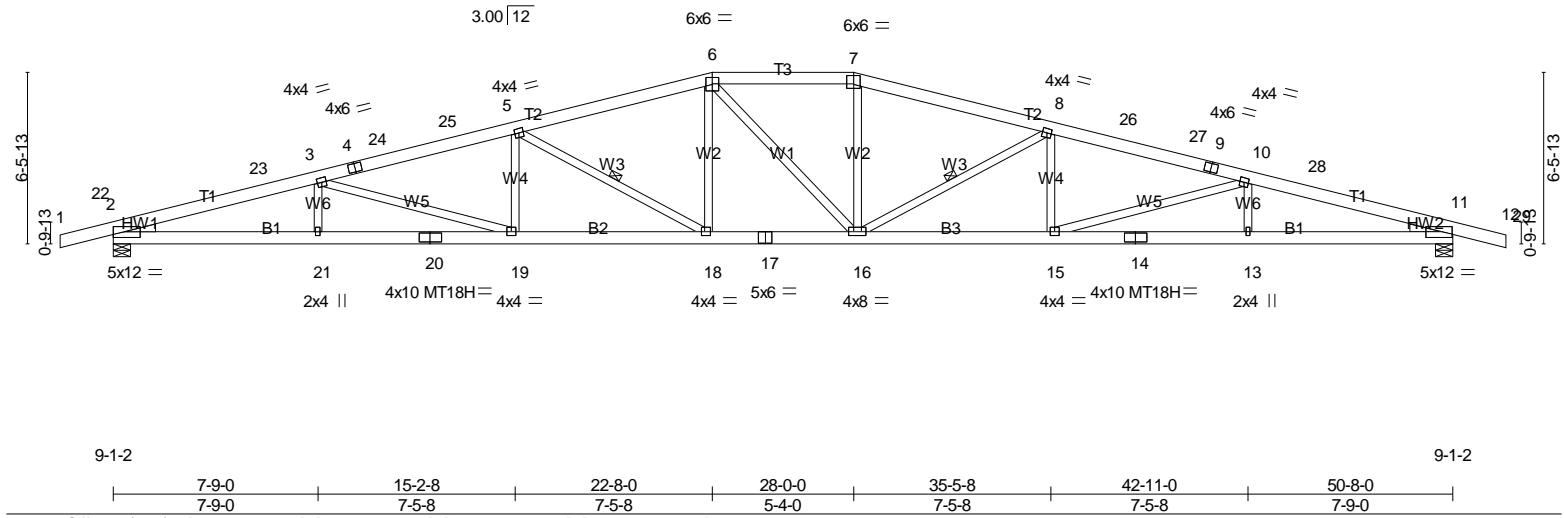


Plate Offsets (X,Y): [2:0-0-3,0-1-5], [7:0-3-0,0-4-0], [11:0-0-3,0-1-5], [18:0-1-8,0-2-0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	1-4-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.95 BC 0.91 WB 0.94 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.61 18 >990 360 Vert(TL) -0.97 18-19 >618 240 Horz(TL) 0.27 11 n/a n/a	MT20 MT18H Weight: 253 lb	169/123 197/144 FT = 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
 WEDGE
 Left: 2 X 4 WW Stud/Std, Right: 2 X 4 WW Stud/Std

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-0-6 oc bracing.
 WEBS 1 Row at midpt 5-18, 8-16

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

REACTIONS (lb/size) 2=1879/0-8-0 (min. 0-4-0), 11=1875/0-8-0 (min. 0-4-0)
 Max Horz2=78(LC 5)
 Max Uplift2=668(LC 5), 11=668(LC 6)
 Max Grav2=2444(LC 17), 11=2440(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-23=-6708/1548, 3-23=-6585/1552, 3-4=-6027/1427, 4-24=-5982/1427, 24-25=-5962/1428,
 5-25=-5931/1431, 5-6=-4821/1160, 6-7=-4577/1153, 7-8=-4814/1161, 8-26=-5914/1431,
 26-27=-5944/1428, 9-27=-5964/1427, 9-10=-6009/1427, 10-28=-6573/1553, 11-28=-6696/1550
 BOT CHORD 2-21=-1509/6326, 20-21=-1509/6326, 19-20=-1509/6326, 18-19=-1348/5784, 17-18=-1014/4582,
 16-17=-1014/4582, 15-16=-1270/5767, 14-15=-1432/6315, 13-14=-1432/6315, 11-13=-1432/6315
 WEBS 3-19=-567/185, 5-19=-14/331, 5-18=-1360/380, 6-18=-149/846, 6-16=-396/374, 7-16=-123/822,
 8-16=-1345/378, 8-15=-13/328, 10-15=-573/186

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 15.0psf.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 668 lb uplift at joint 2 and 668 lb uplift at joint 11.
 - 11) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

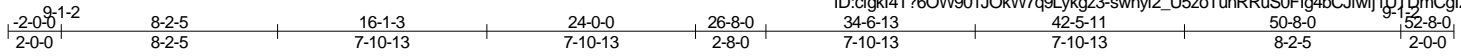
LOAD CASE(S) Standard

Job B1104093	Truss H09	Truss Type HIP TRUSS	Qty 2	Ply 1	B1104093-Harold H. Thompson
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Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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Scale = 1:87.1

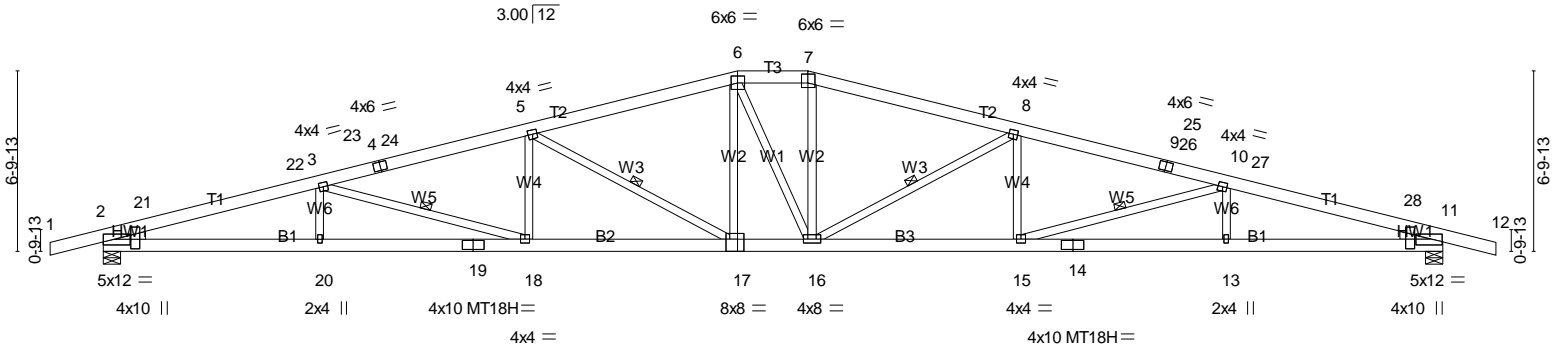


Plate Offsets (X,Y): [2:0-3-2,1-0-12], [2:0-0-3,0-1-5], [7:0-3-0,0-4-0], [11:0-3-2,1-0-12], [11:0-0-3,0-1-5], [17:0-2-12,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0	1-4-0	TC 0.82	Vert(LL)	-0.64	17-18	>940	MT20	169/123
(Roof Snow=33.0)	Plates Increase 1.15	BC 0.86	Vert(TL)	-1.02	17-18	>588	MT18H	197/144
TCDL 4.0	Lumber Increase 1.15	WB 0.89	Horz(TL)	0.28	11	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)						
BCDL 15.0	Code IBC2006/TPI2002							
							Weight: 256 lb	FT = 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
WEDGE
Left: 2 X 4 WW Stud/Std, Right: 2 X 4 WW Stud/Std

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-13 oc bracing.
WEBS 1 Row at midpt 3-18, 5-17, 8-16, 10-15

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

REACTIONS (lb/size) 2=1848/0-8-0 (min. 0-4-1), 11=1848/0-8-0 (min. 0-4-1)
Max Horz2=-82(LC 6)
Max Uplift2=-660(LC 5), 11=-660(LC 6)
Max Grav2=2452(LC 17), 11=2452(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-6876/1526, 21-22=-6797/1532, 3-22=-6708/1533, 3-23=-6092/1371, 4-23=-6048/1371, 4-24=-6039/1372, 5-24=-6022/1376, 5-6=-4765/1071, 6-7=-4565/1073, 7-8=-4802/1078, 8-25=-6015/1375, 9-25=-6032/1371, 9-26=-6041/1371, 10-26=-6085/1371, 10-27=-6711/1534, 27-28=-6800/1533, 11-28=-6879/1528
BOT CHORD 2-20=-1494/6500, 19-20=-1494/6500, 18-19=-1494/6500, 17-18=-1292/5842, 16-17=-925/4545, 15-16=-1209/5835, 14-15=-1414/6503, 13-14=-1414/6503, 11-13=-1414/6503
WEBS 3-20=0/254, 3-18=-688/212, 5-18=-18/381, 5-17=-1483/419, 6-17=-166/802, 6-16=-344/409, 7-16=-156/797, 8-16=-1437/412, 8-15=-17/370, 10-15=-698/214, 10-13=0/256

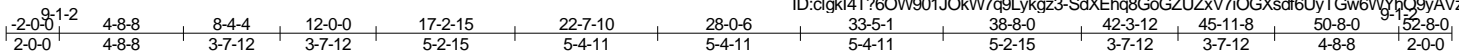
- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCLL: ASCE 7-05; Pf=33.0 psf (flat roof snow); Category 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 660 lb uplift at joint 2 and 660 lb uplift at joint 11.
 - 11) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

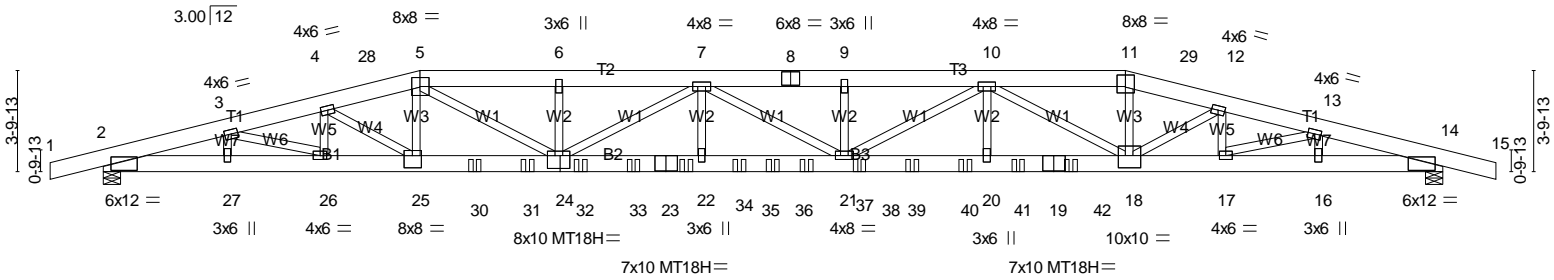
Job B1104093	Truss HG01	Truss Type HIP TRUSS	Qty 2	Ply 4	B1104093-Harold H. Thompson
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Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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Scale = 1:87.1



9-1-2	4-8-8	8-4-4	12-0-0	17-2-15	22-7-10	28-0-6	33-5-1	38-8-0	42-3-12	45-11-8	50-8-0	9-1-2
4-8-8	3-7-12	3-7-12	5-2-15	5-4-11	5-4-11	5-4-11	5-2-15	3-7-12	3-7-12	4-8-8		

Plate Offsets (X,Y): [2:0-3-10,0-1-12], [11:0-4-0,0-5-2], [14:0-3-10,0-1-12], [18:0-5-0,0-5-12], [24:0-4-4,0-6-0], [25:0-4-0,0-5-12]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0)	1-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.38 BC 0.92 WB 0.63 (Matrix)	Vert(LL) -1.03 Vert(TL) -1.67 Horz(TL) 0.31	21-22 21-22 14	>583 >359 n/a	360 240 n/a	MT20 MT18H	169/123 197/144
TCDL 4.0	Rep Stress Incr NO							
BCLL 0.0 *	Code IBC2006/TPI2002							
BCDL 15.0							Weight: 1593 lb	FT = 0%

LUMBER	BRACING
TOP CHORD 2 X 8 SYP DSS	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 8 SYP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SPF 1650F 1.5E *Except* W7,W5,W4: 2 X 4 WW Stud/Std	

REACTIONS (lb/size) 2=10158/0-8-0 (min. 0-4-3), 14=10158/0-8-0 (min. 0-4-3)
 Max Horz2=36(LC 5)
 Max Uplift2=-3109(LC 5), 14=-3109(LC 6)
 Max Grav2=10165(LC 2), 14=10165(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-30101/8917, 3-4=-35079/10376, 4-28=-37149/10940, 5-28=-37143/10942,
 5-6=-43562/12775, 6-7=-43562/12775, 7-8=-47970/14032, 8-9=-47970/14032,
 9-10=-47970/14032, 10-11=-35848/10571, 11-29=-37231/10966, 12-29=-37237/10964,
 12-13=-35021/10360, 13-14=-30112/8922
 BOT CHORD 2-27=-8469/28572, 26-27=-8469/28572, 25-26=-10063/34090, 25-30=-10540/35935,
 30-31=-10540/35935, 24-31=-10540/35935, 24-32=-13960/47907, 32-33=-13960/47907,
 23-33=-13960/47907, 23-34=-13960/47907, 22-34=-13960/47907, 22-35=-13960/47907,
 35-36=-13960/47907, 36-37=-13960/47907, 21-37=-13960/47907, 21-38=-12638/43400,
 38-39=-12638/43400, 39-40=-12638/43400, 20-40=-12638/43400, 20-41=-12638/43400,
 19-41=-12638/43400, 19-42=-12638/43400, 18-42=-12638/43400, 17-18=-10007/34021,
 16-17=-8439/28585, 14-16=-8439/28585
 WEBS 3-27=930/322, 3-26=-1707/5900, 4-26=-1857/566, 4-25=-684/2404, 5-25=-1082/3895,
 5-24=-2596/8920, 7-24=-5068/1496, 7-22=-615/2232, 9-21=-372/140, 10-21=-1561/5319,
 10-20=-509/1876, 10-18=-8791/2564, 11-18=-2345/8128, 12-18=-746/2625, 12-17=-1842/562,
 13-17=-1684/5812, 13-16=-944/326

- NOTES**
- 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 8 - 3 rows at 0-4-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, Except member 25-5 2 X 4 - 2 rows at 0-4-0 oc, member 18-11 2 X 4 - 2 rows at 0-4-0 oc.
 Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
 - 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.
 - Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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
 - TCLL: ASCE 7-05; Pf=33.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 33.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	B1104093-Harold H. Thompson
B1104093	HG01	HIP TRUSS	2	4	Job Reference (optional)

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

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NOTES

- 8) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
- 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 1-0-0 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3109 lb uplift at joint 2 and 3109 lb uplift at joint 14.
- 13) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) 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 14-0-12 from the left end to 36-7-4 to connect truss(es) J12 (1 ply 2 X 4 SPF) to front face of bottom chord.
- 15) Fill all nail holes where hanger is in contact with lumber.
- 16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4082 lb down and 1186 lb up at 12-0-0, and 4082 lb down and 1186 lb up at 38-7-4 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: 1-5=-37, 5-11=-37, 11-15=-37, 2-14=-15

Concentrated Loads (lb)

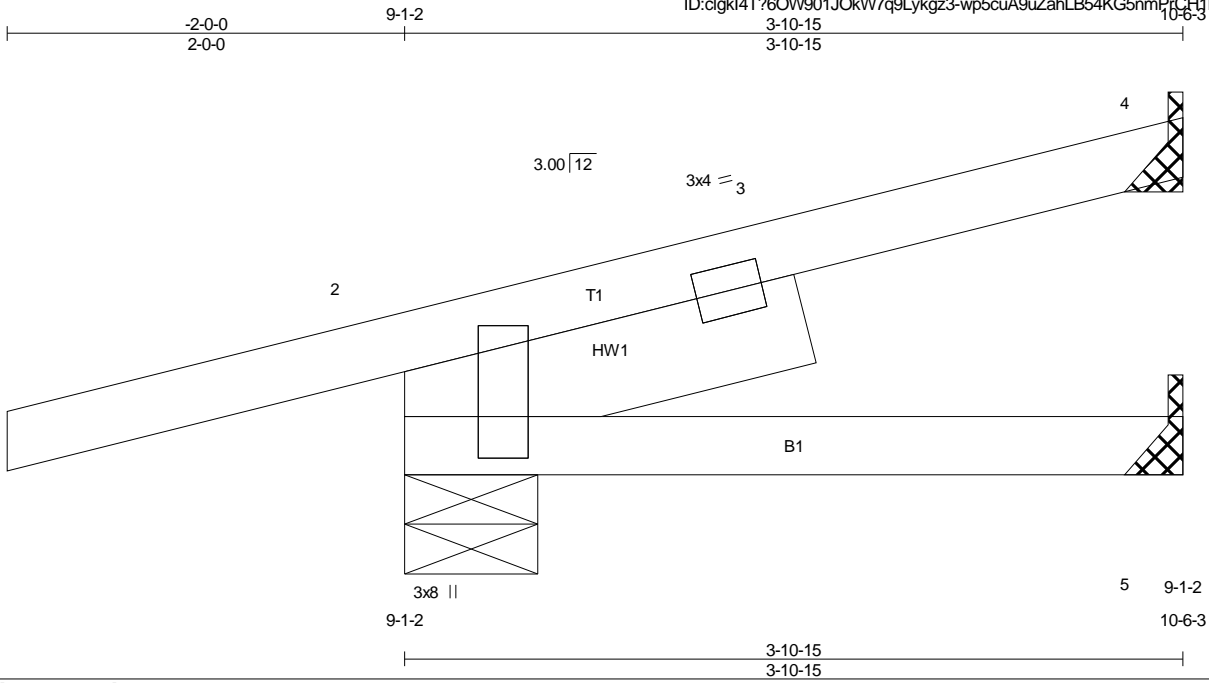
Vert: 25=-4082(F) 18=-4082(F) 30=-722(F) 31=-722(F) 32=-722(F) 33=-722(F) 34=-722(F) 35=-722(F) 36=-722(F) 37=-722(F) 38=-722(F) 39=-722(F) 40=-722(F) 41=-722(F) 42=-722(F)

Job B1104093	Truss J01	Truss Type JACK-OPEN TRUSS	Qty 8	Ply 1	B1104093-Harold H. Thompson
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Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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Scale = 1:11.6

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.27 BC 0.15 WB 0.00 (Matrix)	Vert(LL) -0.01 Vert(TL) -0.04 Horz(TL) 0.00	2-5	>999	360		MT20	197/144
TCDL 4.0	Rep Stress Incr YES			2-5	>999	240			
BCLL 0.0 *	Code IBC2006/TPI2002			4	n/a	n/a			
BCDL 15.0								Weight: 15 lb	FT = 0%

LUMBER
 TOP CHORD 2 X 4 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 SLIDER Left 2 X 6 SPF 2100F 1.8E 2-0-14

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-10-15 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=100/Mechanical, 2=383/0-8-0 (min. 0-1-8), 5=56/Mechanical
 Max Horz2=74(LC 5)
 Max Uplift4=-67(LC 5), 2=-226(LC 5)
 Max Grav4=126(LC 2), 2=409(LC 2), 5=94(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=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 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 67 lb uplift at joint 4 and 226 lb uplift at joint 2.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job B1104093	Truss J02	Truss Type JACK-OPEN TRUSS	Qty 8	Ply 1	B1104093-Harold H. Thompson
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Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

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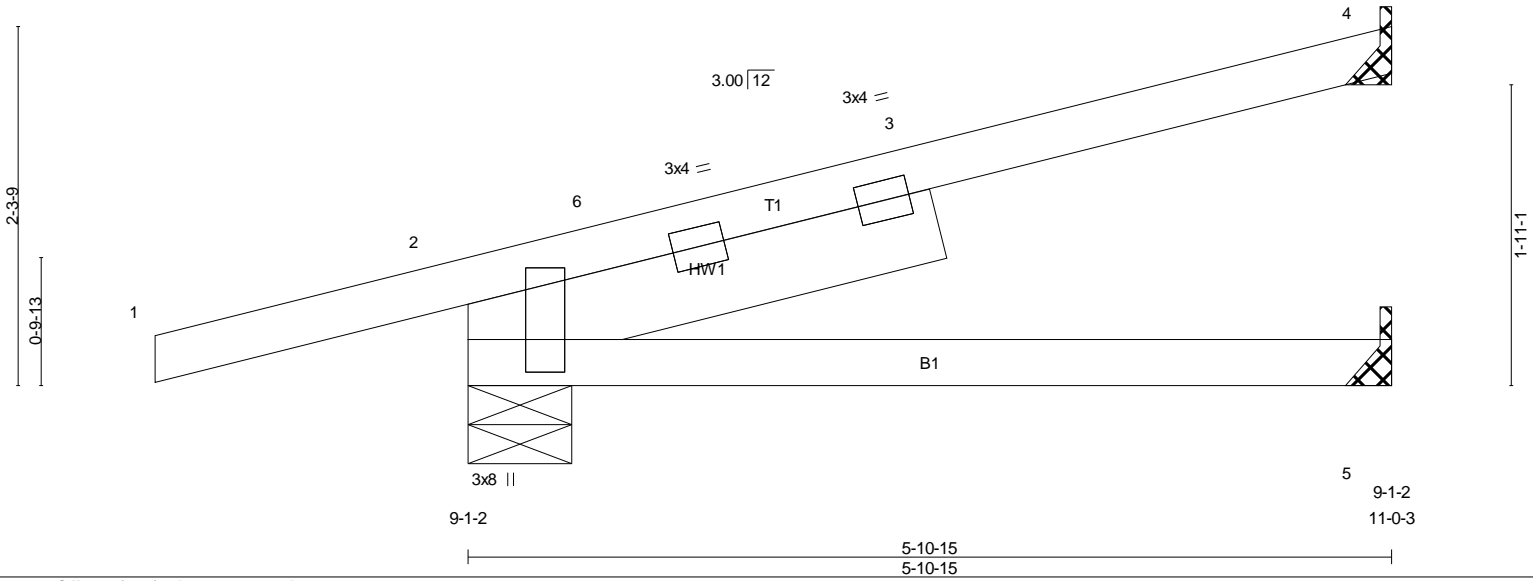


Plate Offsets (X,Y): [2:0-2-8,0-4-7]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.56 BC 0.36 WB 0.00 (Matrix)	Vert(LL) -0.06 Vert(TL) -0.20 Horz(TL) 0.02	2-5 2-5 4	>999 >344 n/a	360 240 n/a	MT20	197/144
TCDL 4.0 BCLL 0.0 * BCDL 15.0	Rep Stress Incr YES Code IBC2006/TPI2002						Weight: 22 lb	FT = 0%

LUMBER
 TOP CHORD 2 X 4 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 SLIDER Left 2 X 6 SPF 2100F 1.8E 3-1-3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-10-15 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=188/Mechanical, 2=473/0-8-0 (min. 0-1-8), 5=86/Mechanical
 Max Horz2=99(LC 5)
 Max Uplift4=-128(LC 5), 2=-249(LC 5)
 Max Grav4=240(LC 2), 2=510(LC 2), 5=144(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=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 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 128 lb uplift at joint 4 and 249 lb uplift at joint 2.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

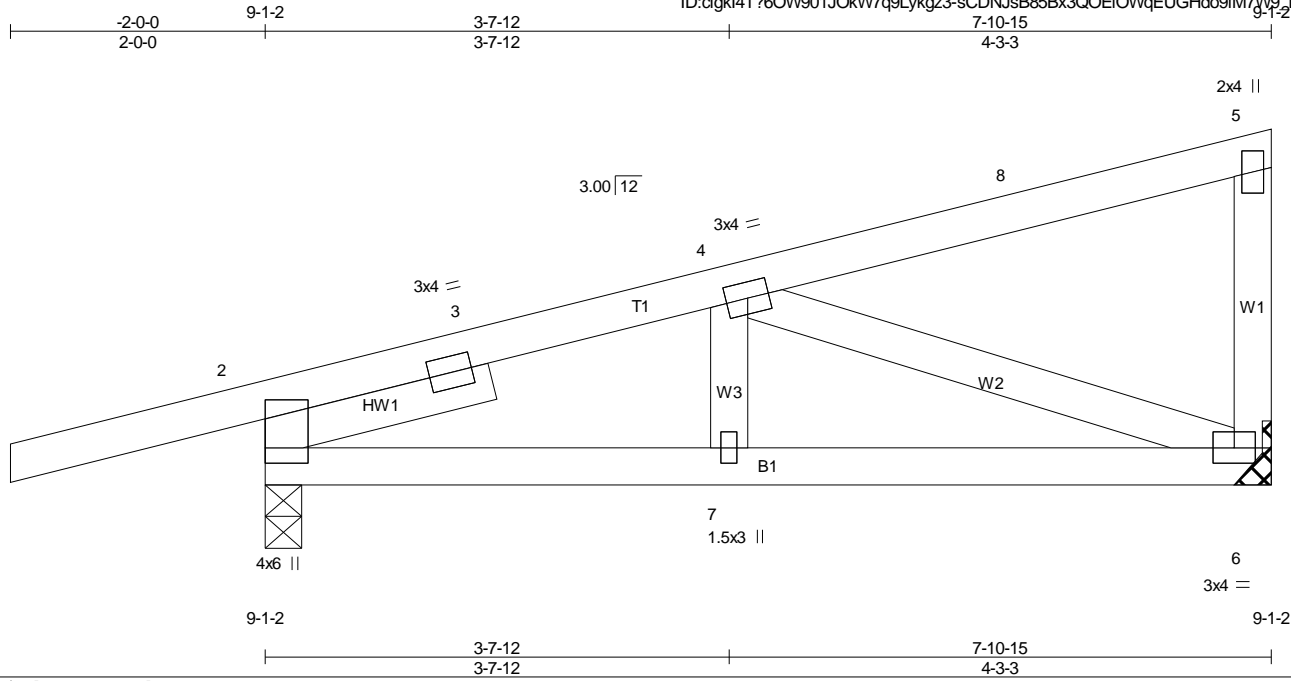
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	B1104093-Harold H. Thompson
B1104093	J03	MONO TRUSS	8	1	Job Reference (optional)

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

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Scale = 1:18.1

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.31 BC 0.20 WB 0.39 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.02 7 >999 360 Vert(TL) -0.05 6-7 >999 240 Horz(TL) 0.01 6 n/a n/a	MT20 Weight: 30 lb	169/123 FT = 0%

LUMBER
TOP CHORD 2 X 4 SPF 1650F 1.5E
BOT CHORD 2 X 4 SPF 1650F 1.5E
WEBS 2 X 4 WW Stud/Std
SLIDER Left 2 X 4 SPF 1650F 1.5E 1-10-5

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=571/0-3-8 (min. 0-1-8), 6=385/Mechanical
Max Horz2=133(LC 6)
Max Uplift2=-288(LC 5), 6=-138(LC 5)
Max Grav2=624(LC 2), 6=468(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-782/170, 3-4=-711/170
BOT CHORD 2-7=-163/657, 6-7=-163/657
WEBS 4-6=-696/208

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members.
 - 8) Refer to girder(s) for truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 288 lb uplift at joint 2 and 138 lb uplift at joint 6.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job B1104093	Truss J04	Truss Type MONO TRUSS	Qty 8	Ply 1	B1104093-Harold H. Thompson
Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore					Job Reference (optional)

7.240 s Jun 18 2010 MiTek Industries, Inc. Wed Jun 29 09:06:12 2011 Page 1
 ID:clgk14T?6OW901JOKW7q9Lykgz3-sCDNJsB85Bx3QOEiOWqEUGHXc9FU7VU_NMNCnpz1SY9-10-15 9-10-15 9-1-2

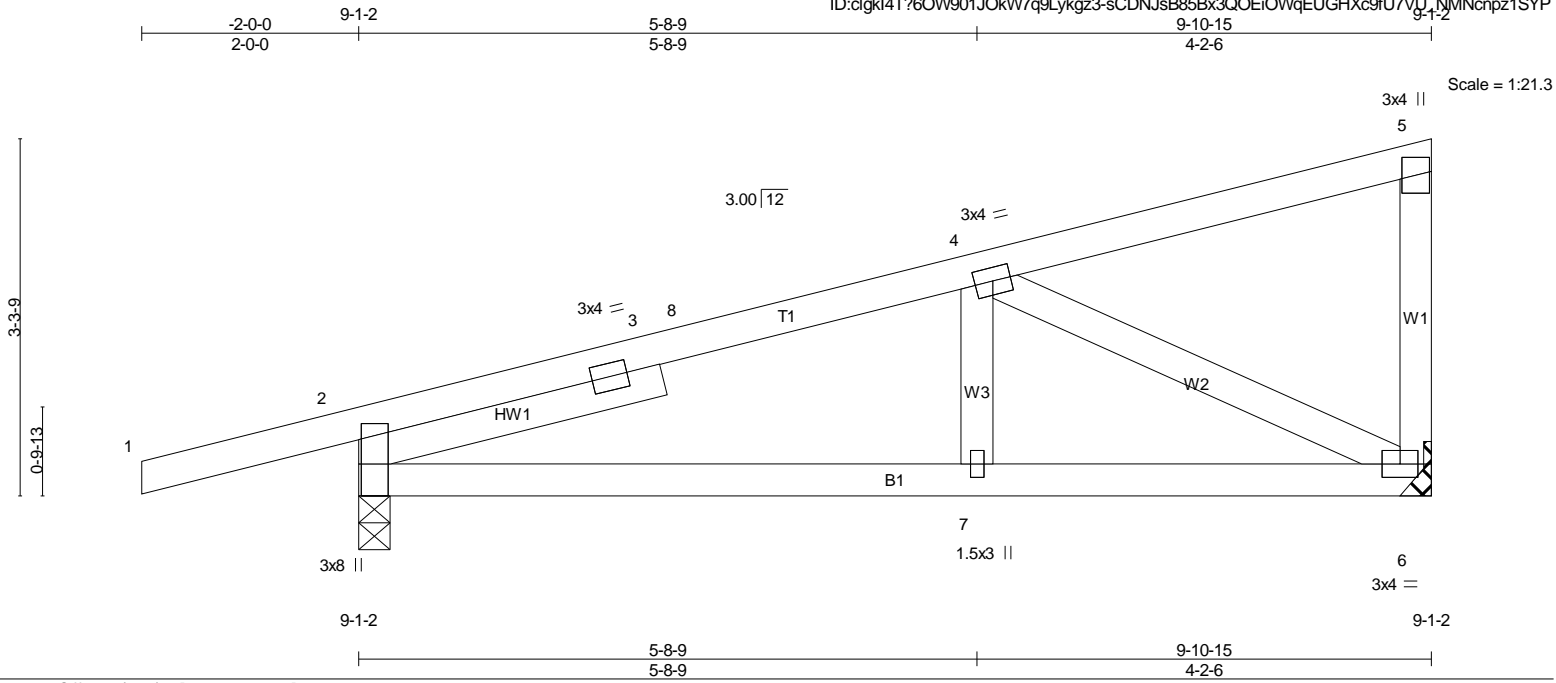


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.64 BC 0.25 WB 0.49 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.02 2-7 >999 360 Vert(TL) -0.07 2-7 >999 240 Horz(TL) 0.01 6 n/a n/a	MT20	169/123
TCDL 4.0	Rep Stress Incr YES			Weight: 37 lb	FT = 0%
BCLL 0.0 *	Code IBC2006/TPI2002				
BCDL 15.0					

LUMBER
 TOP CHORD 2 X 4 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 WEBS 2 X 4 WW Stud/Std
 SLIDER Left 2 X 4 SPF 1650F 1.5E 2-11-1

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=671/0-3-8 (min. 0-1-8), 6=493/Mechanical
 Max Horz2=160(LC 6)
 Max Uplift2=-321(LC 5), 6=-181(LC 5)
 Max Grav2=730(LC 2), 6=607(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-937/218, 3-8=-847/220, 4-8=-833/223
 BOT CHORD 2-7=-215/808, 6-7=-215/808
 WEBS 4-7=0/257, 4-6=-850/269

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 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 321 lb uplift at joint 2 and 181 lb uplift at joint 6.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job B1104093	Truss J05	Truss Type JACK-CLOSED TRUSS	Qty 8	Ply 1	B1104093-Harold H. Thompson
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Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore

7.240 s Jun 18 2010 MiTek Industries, Inc. Wed Jun 29 09:06:13 2011 Page 1

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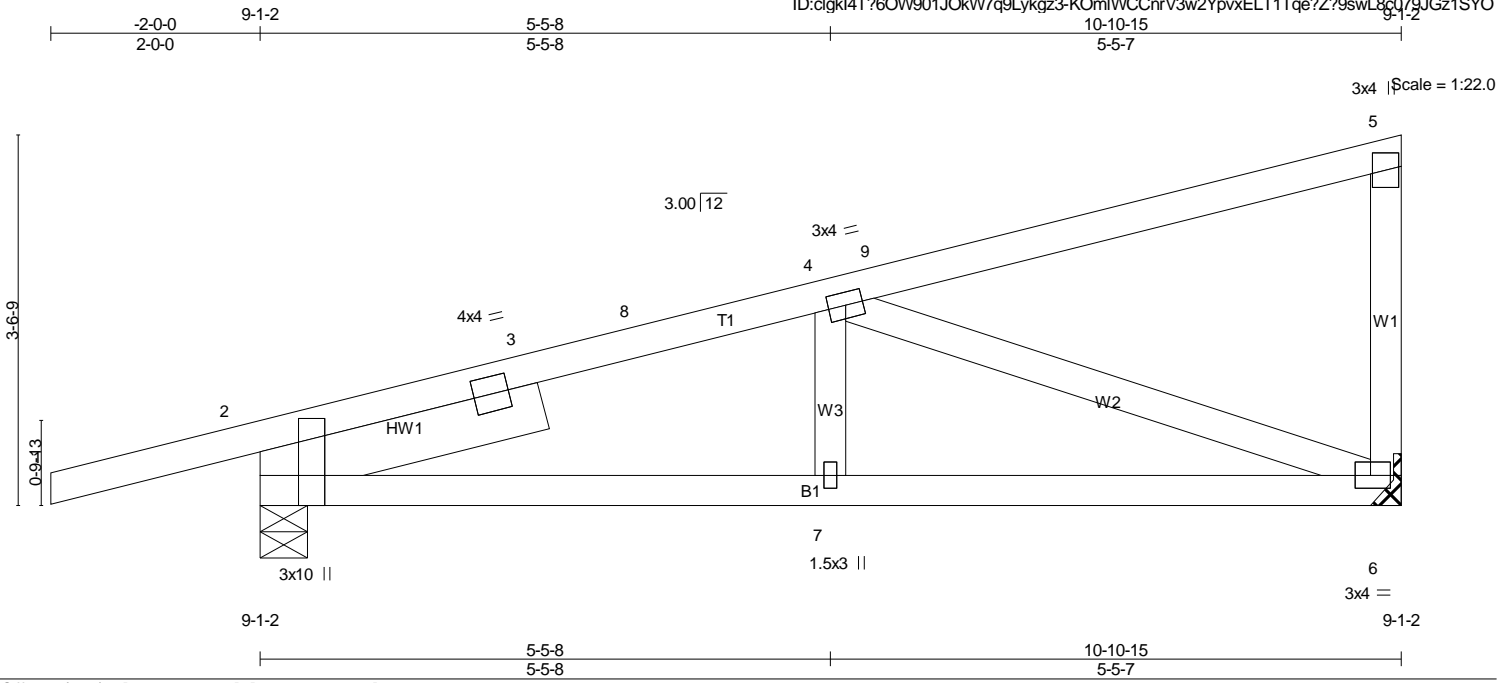


Plate Offsets (X, Y): [2:0-6-3,Edge], [6:0-1-12,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0)	1-4-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.92 BC 0.22 WB 0.58 (Matrix)	Vert(LL) -0.03 Vert(TL) -0.05 Horz(TL) 0.01	7 6 6	>999 >999 n/a	360 240 n/a	MT20	169/123
TCDL 4.0	Rep Stress Incr YES							
BCLL 0.0 *	Code IBC2006/TPI2002							
BCDL 15.0							Weight: 42 lb	FT = 0%

LUMBER
 TOP CHORD 2 X 4 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 WEBS 2 X 4 WW Stud/Std
 SLIDER Left 2 X 6 SPF 2100F 1.8E 2-9-8

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) 6=364/Mechanical, 2=481/0-5-8 (min. 0-1-8)
 Max Horz2=116(LC 6)
 Max Uplift6=-134(LC 5), 2=-225(LC 5)
 Max Grav6=451(LC 2), 2=524(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-766/186, 3-8=-714/188, 4-8=-682/189
 BOT CHORD 2-7=-188/679, 6-7=-188/679
 WEBS 4-6=-661/212

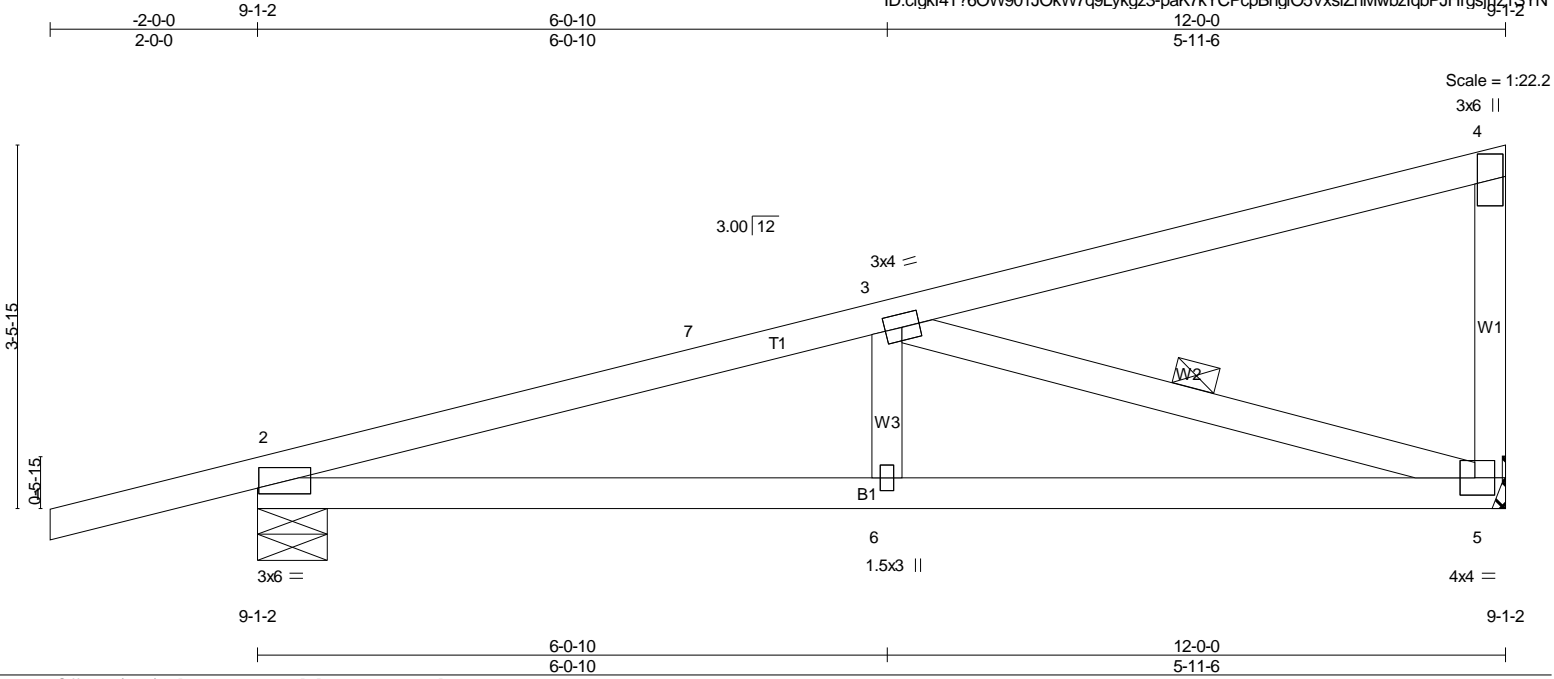
- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; BCDL=4.5psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCLL: ASCE 7-05; Pf=33.0 psf (flat roof snow); Category 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 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 134 lb uplift at joint 6 and 225 lb uplift at joint 2.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	B1104093-Harold H. Thompson
B1104093	J12	Jack-Closed Truss	30	1	Job Reference (optional)

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

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Scale = 1:22.2

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 33.0	2-0-0	TC 0.49	Vert(LL)	-0.07	6	>999	360	MT20	169/123
(Roof Snow=33.0)	Plates Increase 1.15	BC 0.39	Vert(TL)	-0.13	2-6	>999	240		
TCDL 4.0	Lumber Increase 1.15	WB 0.47	Horz(TL)	0.03	5	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)							
BCDL 15.0	Code IBC2006/TPI2002							Weight: 41 lb	FT = 0%

LUMBER
 TOP CHORD 2 X 4 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 WEBS 2 X 4 WW Stud/Std *Except*
 W1: 2 X 4 SPF 1650F 1.5E

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-7-8 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=582/Mechanical, 2=789/0-8-0 (min. 0-1-8)
 Max Horz2=179(LC 6)
 Max Uplift5=-211(LC 5), 2=-379(LC 5)
 Max Grav5=729(LC 2), 2=860(LC 2)

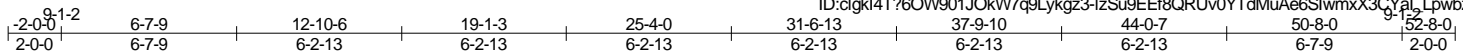
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-1448/333, 3-7=-1330/340, 4-5=-268/122
 BOT CHORD 2-6=-352/1333, 5-6=-352/1333
 WEBS 3-6=0/310, 3-5=-1273/375

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 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 211 lb uplift at joint 5 and 379 lb uplift at joint 2.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

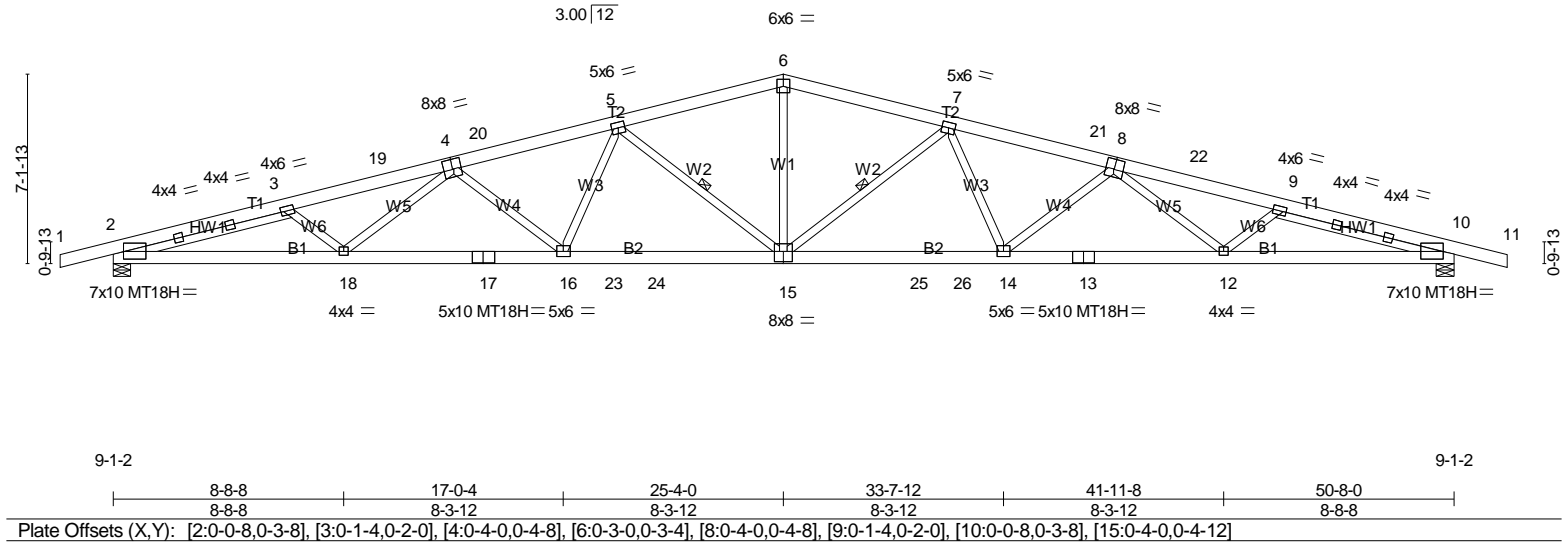
LOAD CASE(S) Standard

Job B1104093	Truss T01	Truss Type COMMON TRUSS	Qty 13	Ply 1	B1104093-Harold H. Thompson
Foxworth Galbraith Truss Co, Colorado Springs, CO 80907, Chris Larimore					Job Reference (optional)

7.240 s Jun 18 2010 MiTek Industries, Inc. Wed Jun 29 09:06:16 2011 Page 1
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Scale = 1:87.1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 33.0 (Roof Snow=33.0) TCDL 4.0 BCLL 0.0 * BCDL 15.0	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2006/TPI2002	TC 0.37 BC 0.56 WB 0.94 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.61 14-15 >983 360 Vert(TL) -1.13 14-15 >529 240 Horz(TL) 0.32 10 n/a n/a	MT20 MT18H Weight: 264 lb	169/123 197/144 FT = 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: 2 X 4 SPF 1650F 1.5E
 SLIDER Left 2 X 4 SPF 1650F 1.5E 6-5-0, Right 2 X 4 SPF 1650F 1.5E 6-5-0

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-3-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-8-0 oc bracing.
 WEBS 1 Row at midpt 7-15, 5-15
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=2838/0-8-0 (min. 0-4-11), 10=2838/0-8-0 (min. 0-4-11)
 Max Horz2=-129(LC 6)
 Max Uplift2=-978(LC 5), 10=-978(LC 6)
 Max Grav2=2864(LC 2), 10=2864(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-7577/2236, 3-19=-7519/2159, 4-19=-7464/2163, 4-20=-6778/1926, 5-20=-6700/1933,
 5-6=-5312/1491, 6-7=-5312/1491, 7-21=-6700/1933, 8-21=-6778/1927, 8-22=-7464/2165,
 9-22=-7520/2161, 9-10=-7577/2238
 BOT CHORD 2-18=-2184/7139, 17-18=-2072/7131, 16-17=-2072/7131, 16-23=-1687/6159, 23-24=-1687/6159,
 15-24=-1687/6159, 15-25=-1559/6159, 25-26=-1559/6159, 14-26=-1559/6159, 13-14=-1943/7131,
 12-13=-1943/7131, 10-12=-2058/7139
 WEBS 6-15=-465/2018, 7-15=-1800/571, 7-14=-207/908, 8-14=-831/404, 8-12=-42/352, 9-12=0/324,
 5-15=-1800/571, 5-16=-207/907, 4-16=-831/404, 4-18=-41/352, 3-18=0/324

- NOTES**
- 1) Wind: ASCE 7-05; 100mph; TCDL=2.4psf; 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=33.0 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 33.0 psf on overhangs non-concurrent with other live loads.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 15.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 978 lb uplift at joint 2 and 978 lb uplift at joint 10.
 - 10) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard