Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	A1	MONOPITCH SUPPORTED	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:15 2022 Page 1
ID:yM8NdNVZ6vP2wgkR6uNImKzKHmz-jgK5TSOyQaWU1xOpNdUXU1F9zhkJZCykr_ScvIyWQTQ

-0-10-8 16-5-8
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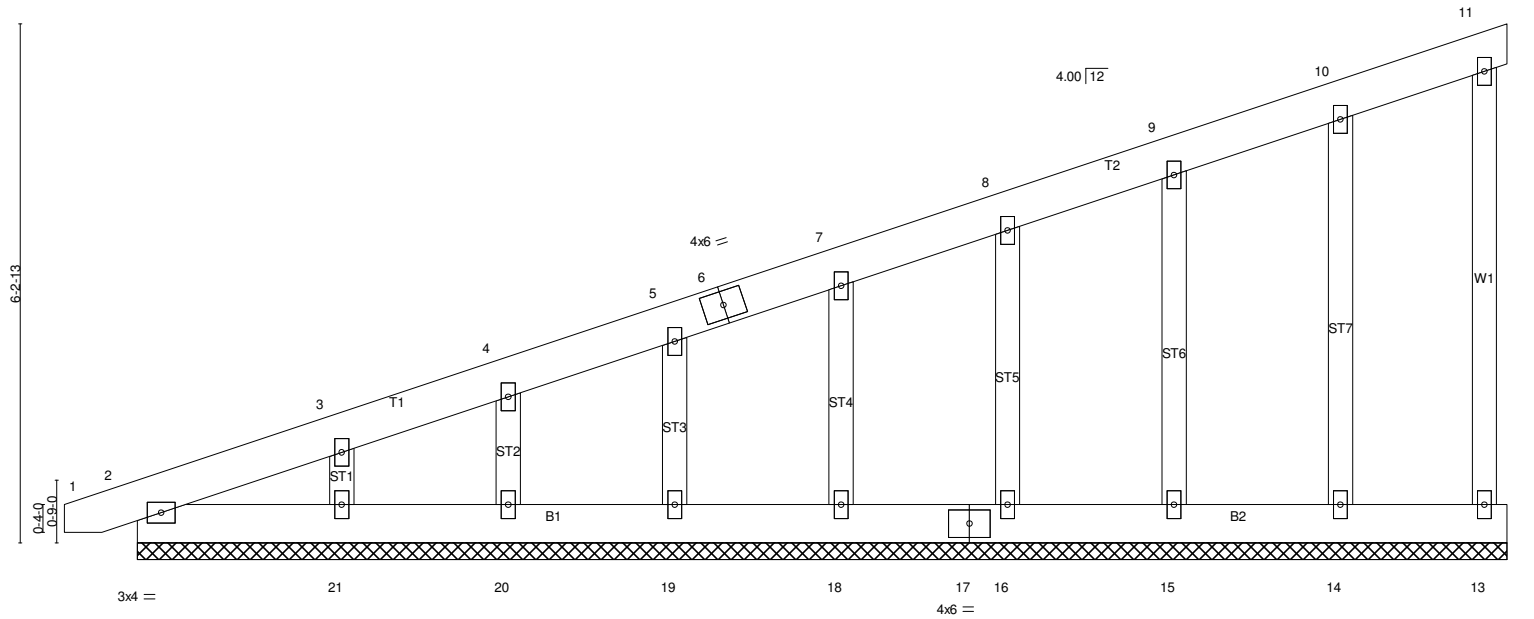

16-5-8
16-5-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 117 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

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

REACTIONS. All bearings 16-5-8.
(lb) - Max Horz 2=267(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 12, 13, 14, 15, 16, 18, 19, 20, 21
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 2, 14, 15, 16, 18, 19, 20, 21

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-338/117

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-7-13 to 3-9-0, Exterior(2) 3-9-0 to 16-5-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 13, 14, 15, 16, 18 , 19, 20, 21.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	A1	MONOPITCH SUPPORTED	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:19 2022 Page 1
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0-10-8 16-5-8

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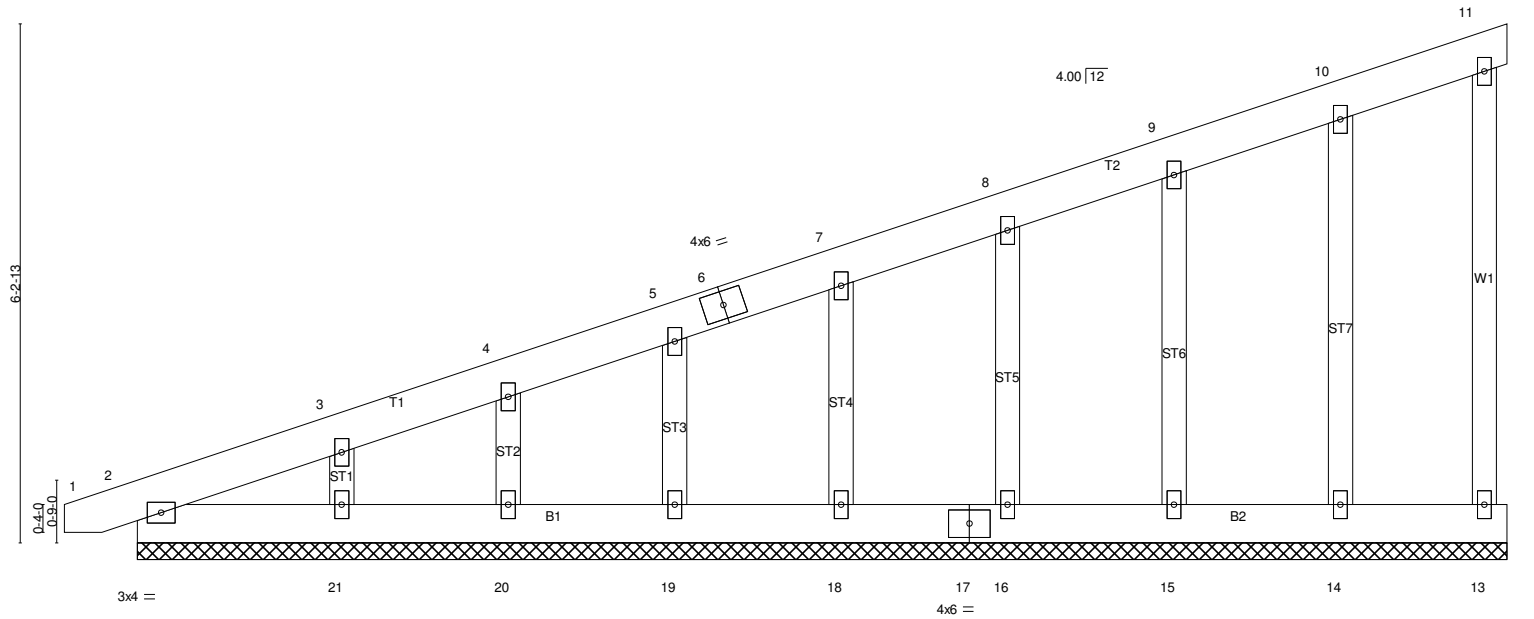

16-5-8
16-5-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 117 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

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

REACTIONS. All bearings 16-5-8.
(lb) - Max Horz 2=267(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 12, 13, 14, 15, 16, 18, 19, 20, 21
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 2, 14, 15, 16, 18, 19, 20, 21

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-338/117

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-7-13 to 3-9-0, Exterior(2) 3-9-0 to 16-5-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 13, 14, 15, 16, 18 , 19, 20, 21.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	A2	JACK-CLOSED	11	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:20 2022 Page 1
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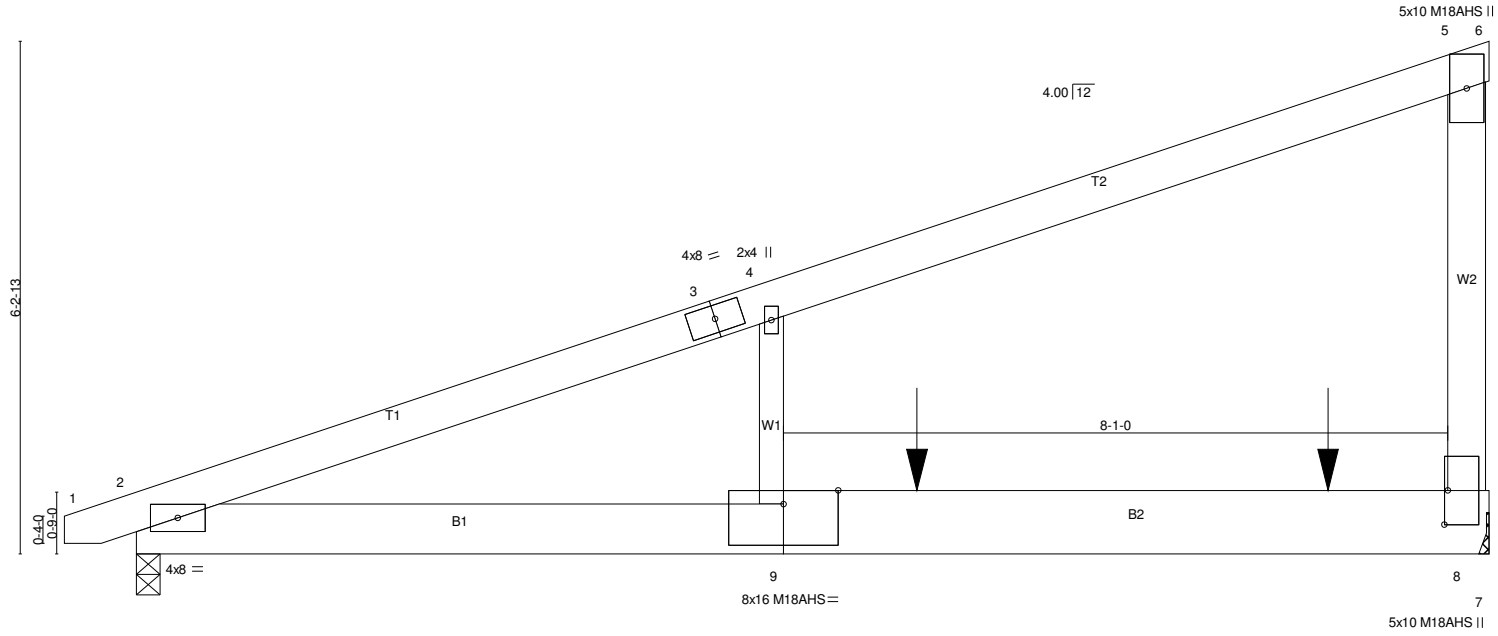
0-10-8 | 8-4-7 | 8-1-1

Scale = 1:28.0



8-4-7 | 16-5-8
8-4-7 | 8-1-1

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.30	2-9	>646	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.65	2-9	>296	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.25	2-9	>785	240	Weight: 116 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E *Except*
B1: 2x8 SP 2400F 2.0E
WEBS 2x6 SP No.1 *Except*
W1: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-8 oc bracing.

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

REACTIONS. (size) 8=Mechanical, 2=0-3-8 (min. 0-1-8)
Max Horz 2=185(LC 8)
Max Uplift 2=-13(LC 8)
Max Grav 8=904(LC 2), 2=743(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-379/0, 3-10=-295/0, 3-4=-268/0, 4-11=-296/0, 5-11=-267/0, 5-8=-278/184
BOT CHORD 2-9=-59/273, 9-12=-45/263, 12-13=-44/264, 8-13=-43/266
WEBS 4-9=-321/289

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 16-5-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 200.0lb AC unit load placed on the bottom chord, 12-0-0 from left end, supported at two points, 5-0-0 apart.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	A3	MONOPITCH	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:20 2022 Page 1
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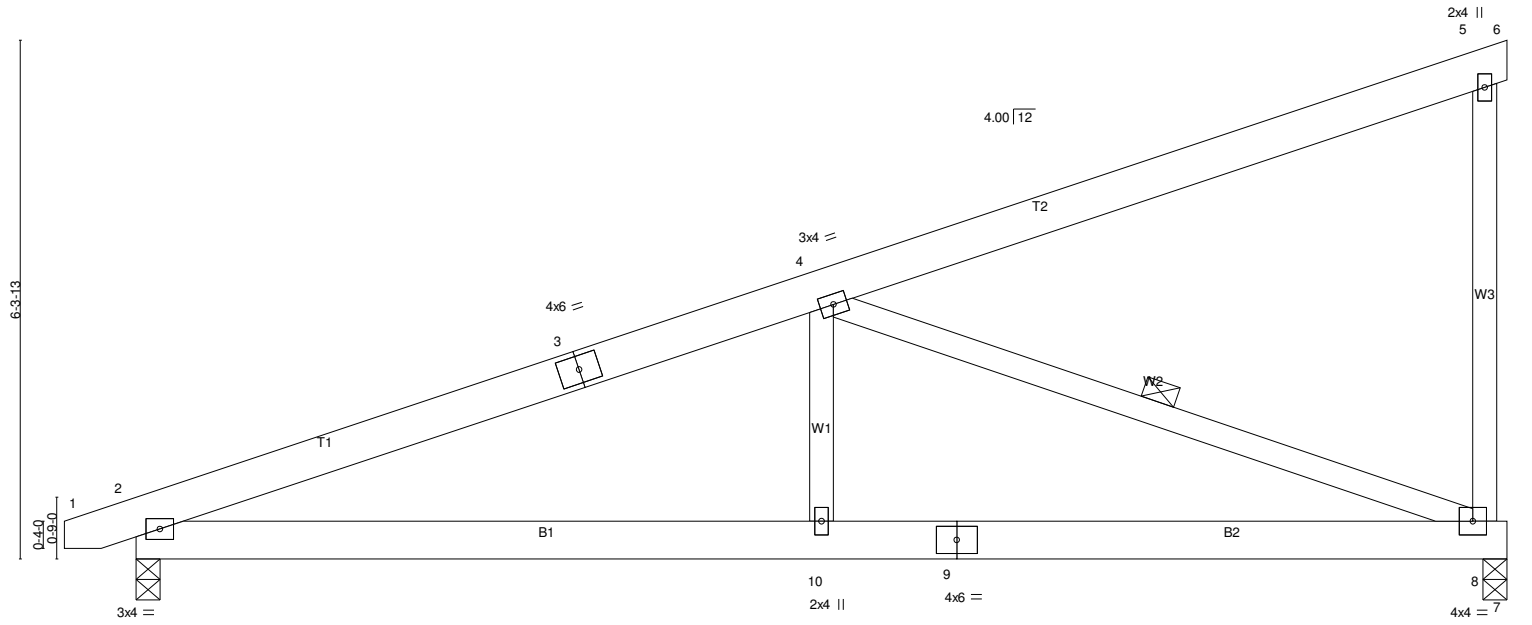
0-10-8 | 8-4-4 | 8-4-4

Scale = 1:28.1



8-4-4 | 16-8-8
8-4-4 | 8-4-4

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.03	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.07	2-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.03	2-10	>999	240	Weight: 107 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-8

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

REACTIONS. (size) 8=0-3-8 (min. 0-1-8), 2=0-3-8 (min. 0-1-8)
Max Horz 2=188(LC 12)
Max Uplift 8=-104(LC 12), 2=-65(LC 8)
Max Grav 8=661(LC 1), 2=701(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-1154/96, 3-11=-1093/98, 3-4=-1021/119
BOT CHORD 2-10=-266/1027, 9-10=-266/1027, 8-9=-266/1027
WEBS 4-10=0/381, 4-8=-1081/278

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 16-8-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 8=104.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	A5	MONOPITCH SUPPORTED	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:21 2022 Page 1
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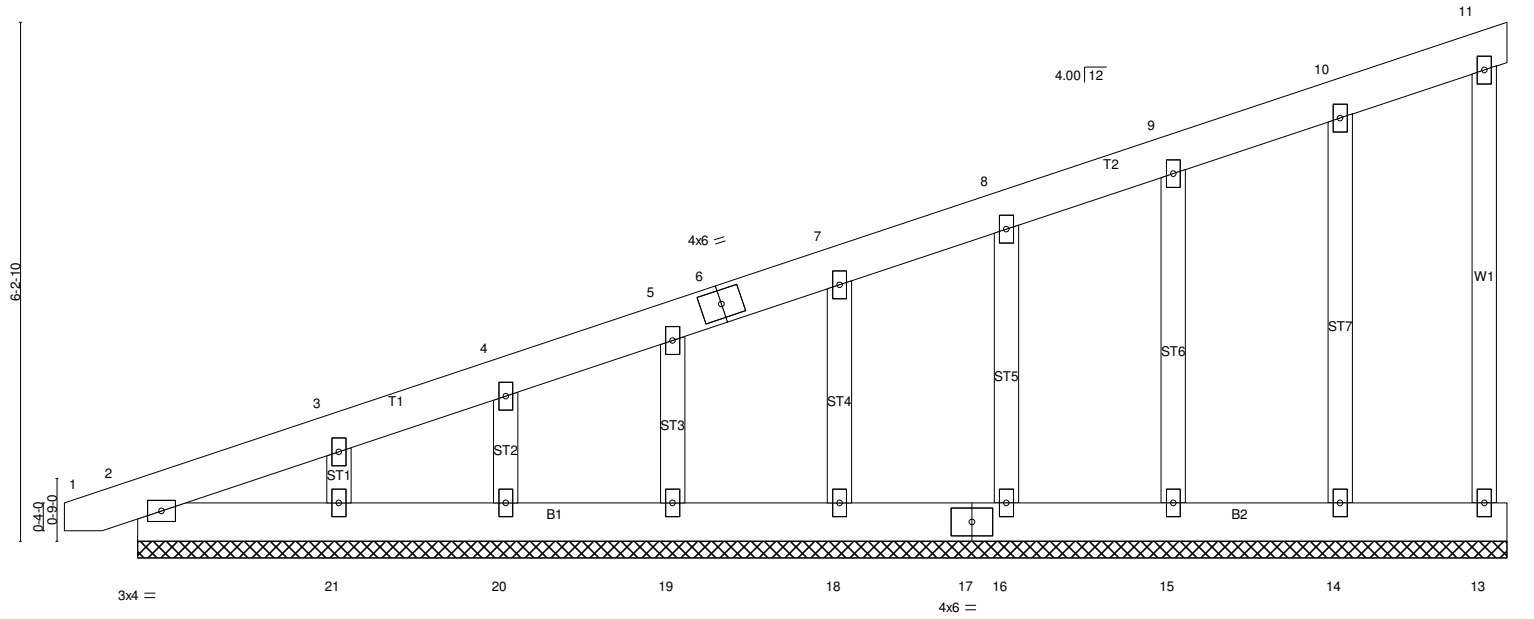
-0-10-8 16-4-15
0-10-8 16-4-15

Scale = 1:27.6



16-4-15
16-4-15

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 117 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

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

REACTIONS. All bearings 16-4-15.
(lb) - Max Horz 2=267(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 12, 13, 14, 15, 16, 18, 19, 20, 21
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 2, 14, 15, 16, 18, 19, 20, 21

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-338/116

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-7-13 to 3-9-0, Exterior(2) 3-9-0 to 16-4-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 13, 14, 15, 16, 18, 19, 20, 21.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	B1	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:22 2022 Page 1
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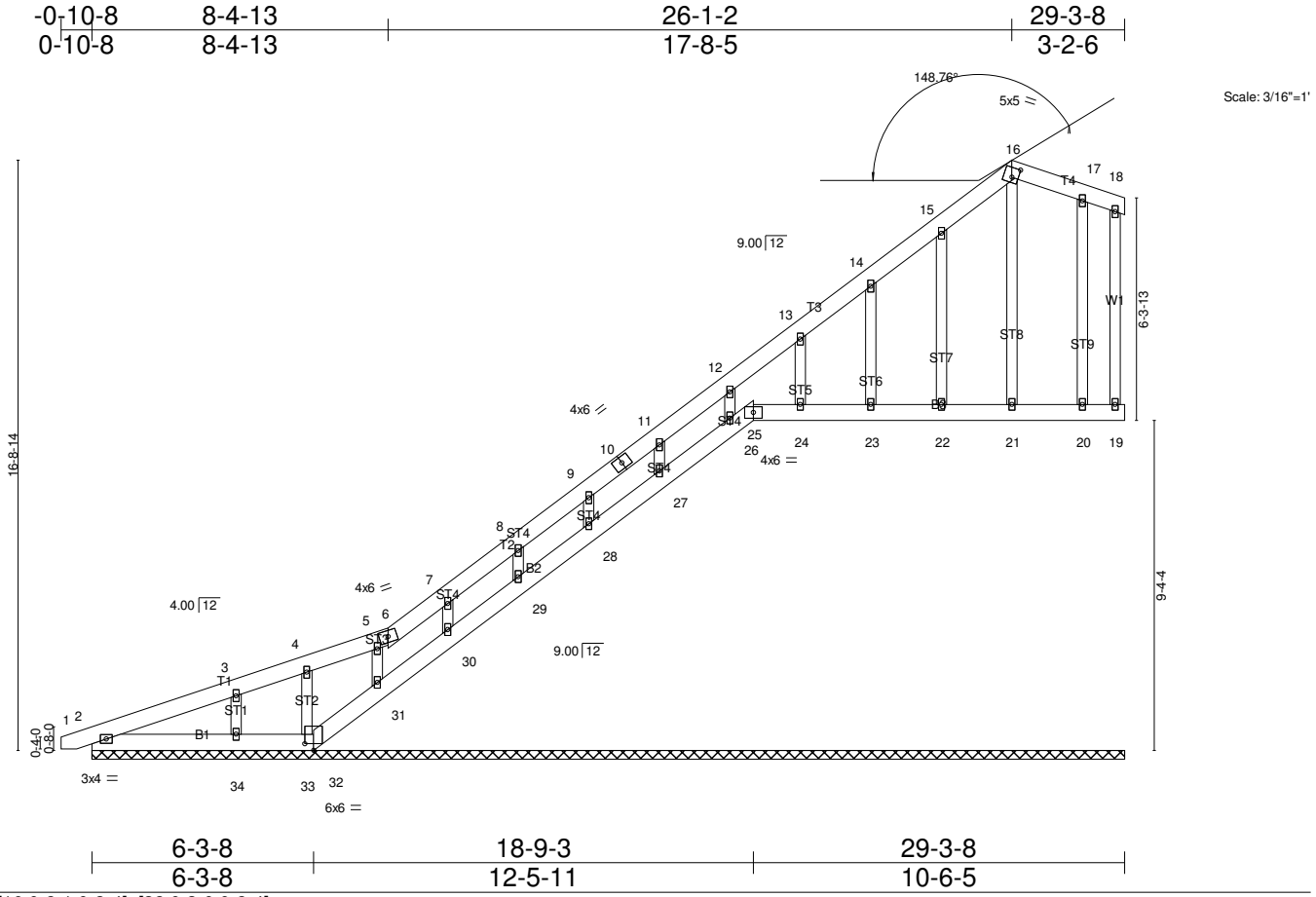


Plate Offsets (X,Y)-- [16:0-2-1,0-3-4], [32:0-3-0,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.00	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 215 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 26-27,25-26.

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

REACTIONS. All bearings 29-3-8.
(lb) - Max Horz 2=736(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 21, 23, 24, 27, 28, 30, 31, 33, 20 except 22=-101(LC 12), 26=-104(LC 12), 29=-108(LC 12), 34=-146(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 32, 25, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 33, 20 except 34=331(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-35=-756/559, 3-35=-739/561, 3-4=-677/513, 4-5=-648/505, 5-6=-678/528, 6-7=-692/555, 7-8=-638/510, 8-9=-545/437, 9-10=-458/356, 10-11=-451/369, 11-12=-370/300, 12-13=-282/230

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 26-1-2, Exterior(2) 26-1-2 to 29-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 40.0psf 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) 2, 19, 21, 23, 24, 27, 28, 30, 31, 33, 20 except (jt=lb) 22=101, 26=104, 29=108, 34=146.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 25, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 20.

Continued on page 2

NOTES-

11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

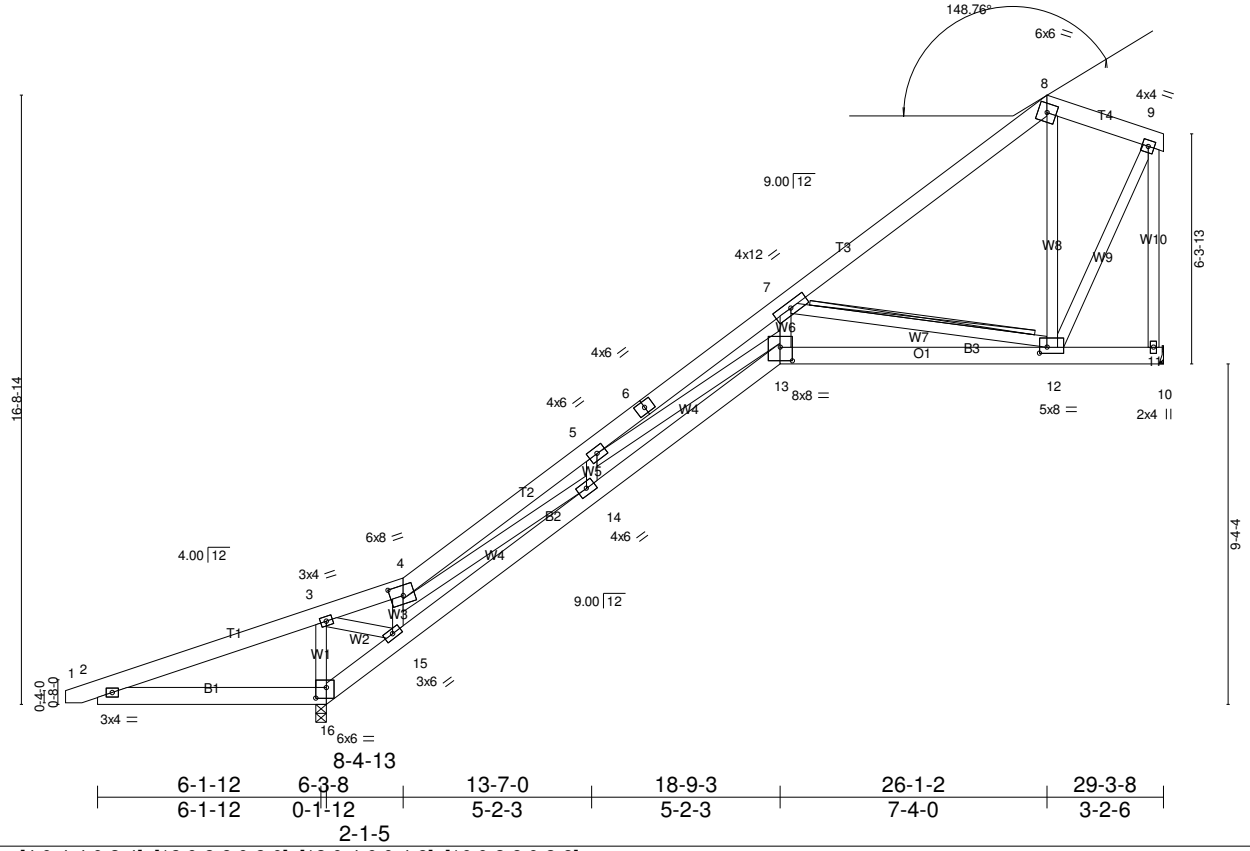
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	B2	ROOF SPECIAL	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:23 2022 Page 1
ID:yM8NdNVZ6vP2wgkR6uNImKzKHmz-UDp78BUzY1XM?9?MrIdPpjaQAvLHRgovhEO2BqyWQTI

-0-10-8	6-3-8	8-4-13	13-7-0	18-9-3	26-1-2	29-3-8
0-10-8	6-3-8	2-1-5	5-2-3	5-2-3	7-4-0	3-2-6



6-1-12	6-3-8	13-7-0	18-9-3	26-1-2	29-3-8
6-1-12	0-1-12	5-2-3	5-2-3	7-4-0	3-2-6

8-4-13
2-1-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.25	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.51	13-14	>531	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.47	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.36	13-14	>752	240	Weight: 226 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-6-10 oc bracing.
WEBS T-Brace: 2x6 SPF No.2 - 7-12
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS. (size) 16=0-3-8 (min. 0-1-13), 11=Mechanical
Max Horz 16=510(LC 12)
Max Uplift11=-226(LC 12)
Max Grav 16=1533(LC 1), 11=880(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-331/716, 3-17=-316/788, 3-4=-819/366, 4-5=-4065/1495, 5-6=-4936/1833, 6-7=-4915/1861, 7-18=-510/102, 8-18=-416/134, 8-9=-423/178, 9-11=-987/395
BOT CHORD 2-16=-672/354, 15-16=-899/117, 14-15=-1075/1687, 13-14=-1982/4537, 12-13=-1616/3895
WEBS 3-16=-1021/417, 3-15=-440/1298, 4-15=-1244/501, 4-14=-836/2539, 5-14=-531/274, 5-13=-205/814, 7-13=-1165/3069, 7-12=-3558/1491, 9-12=-358/959

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 26-1-2, Exterior(2) 26-1-2 to 29-0-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=226.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	B3	ROOF SPECIAL GIRDER	2	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:24 2022 Page 1
ID:yM8NdNVZ6vP2wgkR6uNImKzKHmz-zPMVMXVbJLfDcJaYP09eLw7XEJaTA323wu7bkHyWQTH

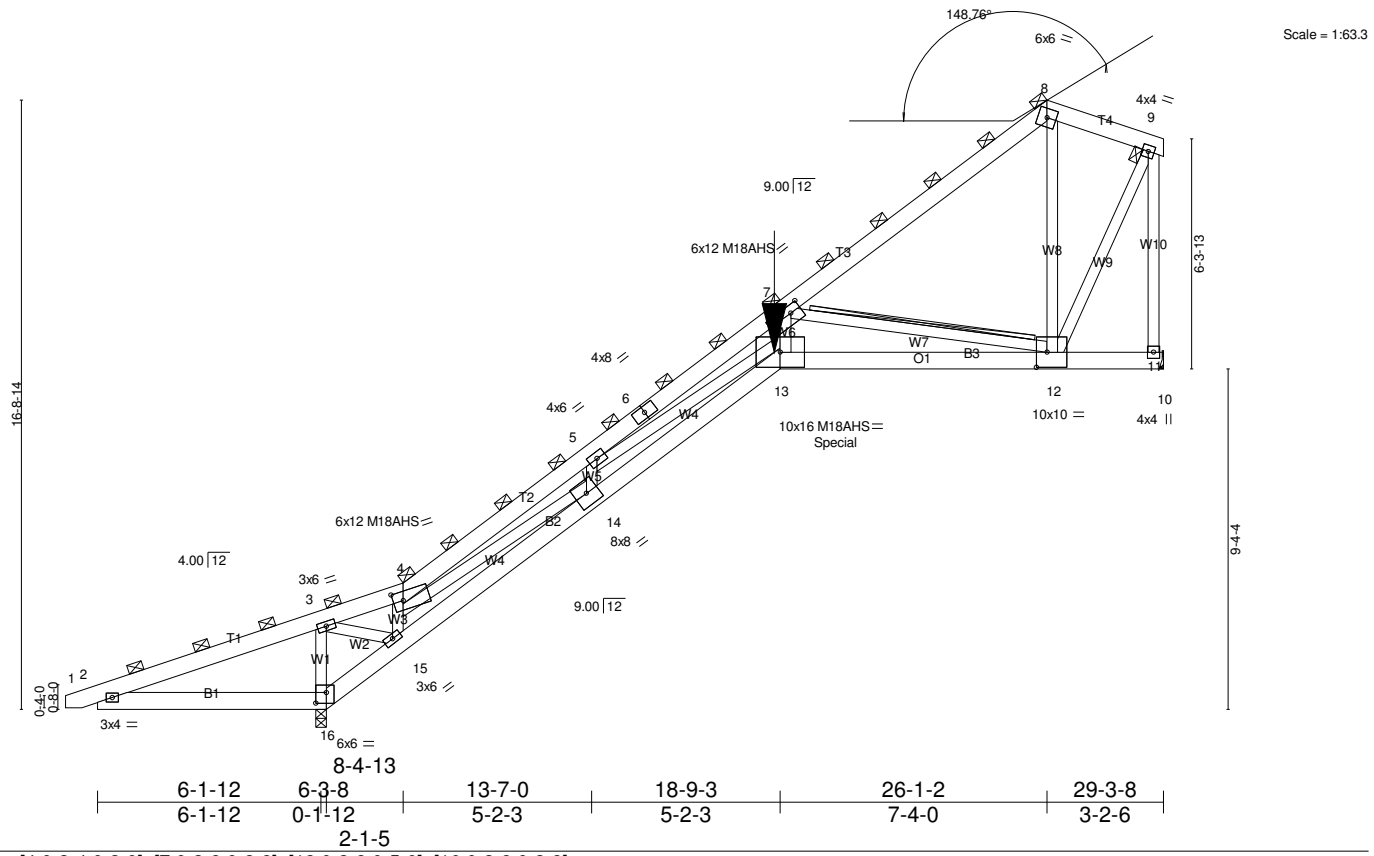


Plate Offsets (X,Y)-- [4:0-3-4,0-3-0], [7:0-3-8,0-2-8], [12:0-3-8,0-5-0], [16:0-3-8,0-3-8]

LOADING (psf)		SPACING- 5-1-8	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.76	Vert(LL) -0.48 13-14 >574 360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.97	Vert(CT) -0.93 13-14 >292 240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr NO	WB 0.96	Horz(CT) 0.78 11 n/a n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.45 13-14 >600 240	Weight: 453 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W3,W6,W7: 2x4 SP No.1

BRACING-
TOP CHORD 2-0-0 oc purlins (3-3-2 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2x6 SPF No.2 - 7-12
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

REACTIONS. (size) 16=0-3-8 (min. 0-2-10), 11=Mechanical
Max Horz 16=1308(LC 8)
Max Uplift11=-419(LC 8)
Max Grav 16=4400(LC 1), 11=2711(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-343/2019, 3-4=-2093/552, 4-5=-11362/2099, 5-6=-15000/2105, 6-7=-14812/2177, 7-8=-1588/96, 8-9=-1177/215, 9-11=-2762/427
BOT CHORD 2-16=-1722/386, 15-16=-2321/295, 14-15=-2103/3412, 13-14=-3220/11586, 12-13=-2167/11096
WEBS 3-16=-2878/708, 3-15=-641/3514, 4-15=-3349/787, 4-14=-982/7797, 5-14=-1667/420, 5-13=0/3784, 7-13=-1293/9202, 7-12=-10188/2016, 8-12=0/474, 9-12=-440/2616

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=419.

Continued on page 2

NOTES-

10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1048 lb down at 18-9-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-154, 4-8=-154, 8-9=-154, 2-16=-51, 13-16=-51, 10-13=-51
   Concentrated Loads (lb)
      Vert: 13=-1048(F)

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	B5	ROOF SPECIAL	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:24 2022 Page 1
ID:yM8NdNVZ6vP2wgkR6uNImKzKHmz-zPMVMXVbJLfDcJaYP09eLw7cLJhEA6k3wu7bkHyWQTH

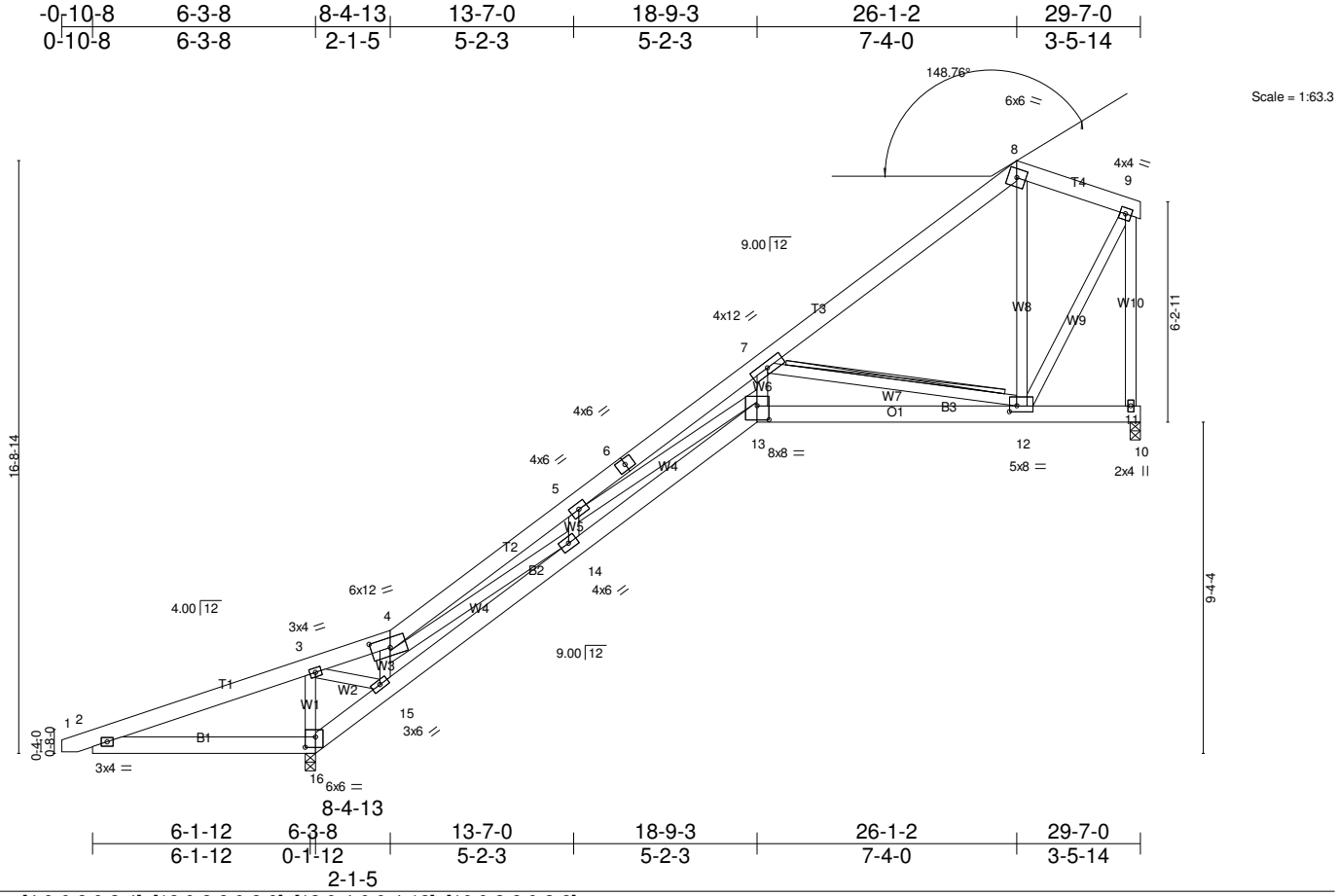


Plate Offsets (X,Y)-- [4:0-6-8,0-3-4], [12:0-2-8,0-2-0], [13:0-4-0,0-4-12], [16:0-3-8,0-3-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.26	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.53	13-14	>519	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.49	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.37	13-14	>738	240	Weight: 228 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2x6 SPF No.2 - 7-12
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS. (size) 16=0-3-8 (min. 0-1-13), 11=0-3-8 (min. 0-1-8)
Max Horz 16=508(LC 12)
Max Uplift16=-53(LC 8), 11=-221(LC 12)
Max Grav 16=1543(LC 1), 11=902(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-716/716, 3-17=-703/788, 3-4=-978/303, 4-5=-4233/1170, 5-6=-5123/1509, 6-7=-5102/1536, 7-18=-548/101, 8-18=-456/132, 8-9=-467/176, 9-11=-991/357
BOT CHORD 2-16=-672/713, 15-16=-900/336, 14-15=-930/1827, 13-14=-1605/4703, 12-13=-1375/4032
WEBS 3-16=-1051/332, 3-15=-342/1356, 4-15=-1300/400, 4-14=-1003/2562, 5-14=-535/317, 5-13=-395/852, 7-13=-923/3174, 7-12=-3660/1251, 9-12=-312/957

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 26-1-2, Exterior(2) 26-1-2 to 29-3-12 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 11=221.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	B6	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:26 2022 Page 1
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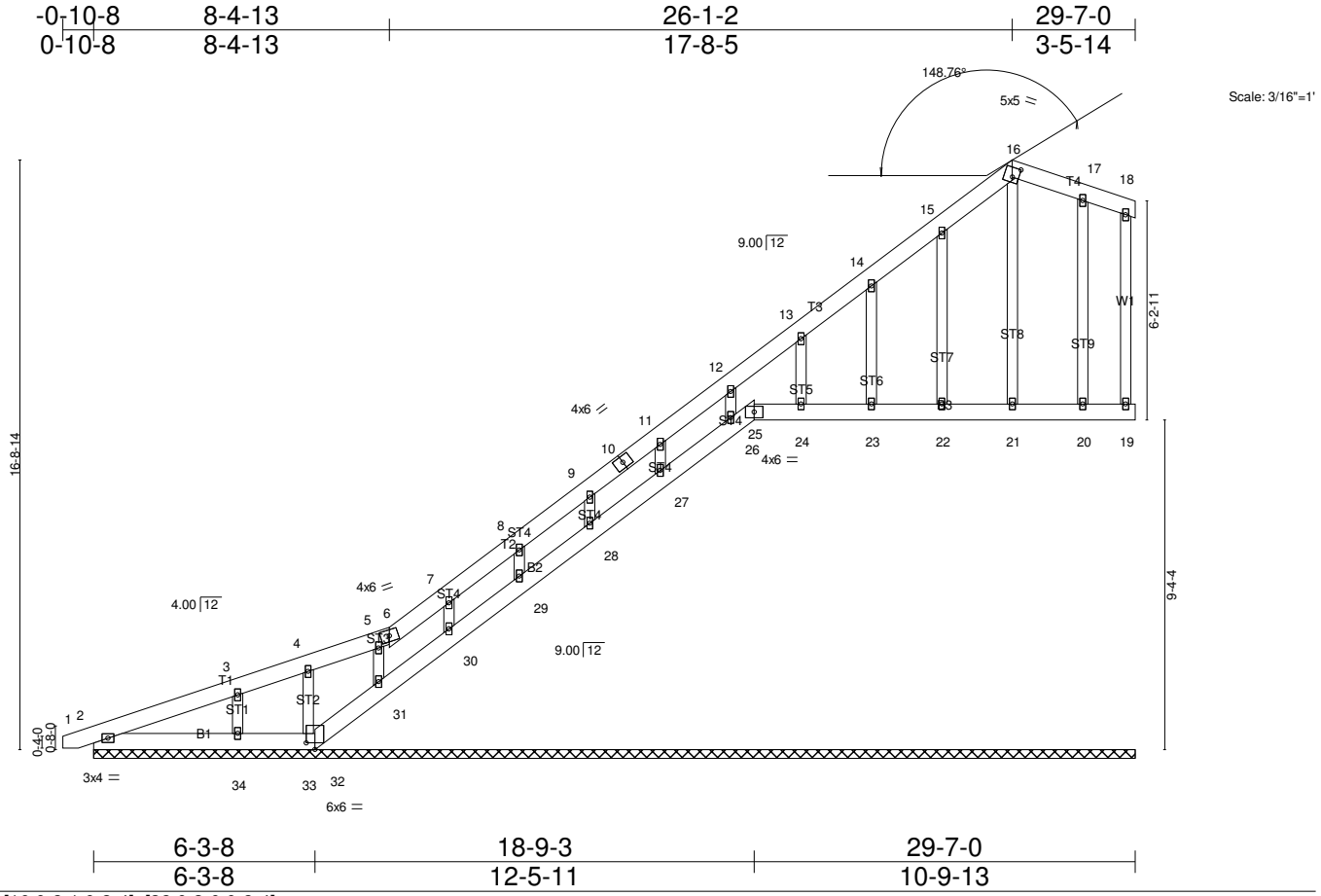

Plate Offsets (X,Y)-- [16:0-2-1,0-3-4], [32:0-3-0,0-2-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	-0.00	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 217 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 26-27,25-26.

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

REACTIONS. All bearings 29-7-0.
(lb) - Max Horz 2=734(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 21, 23, 24, 27, 28, 30, 31, 33, 20 except 22=-101(LC 12), 26=-104(LC 12), 29=-108(LC 12), 34=-146(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 32, 25, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 33, 20 except 34=331(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-35=-753/557, 3-35=-736/560, 3-4=-675/511, 4-5=-645/503, 5-6=-675/526, 6-7=-689/552, 7-8=-635/508, 8-9=-541/434, 9-10=-455/354, 10-11=-447/366, 11-12=-367/298, 12-13=-279/228

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 26-1-2, Exterior(2) 26-1-2 to 29-3-12 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 40.0psf 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) 2, 19, 21, 23, 24, 27, 28, 30, 31, 33, 20 except (jt=lb) 22=101, 26=104, 29=108, 34=146.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 25, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 20.

Continued on page 2

NOTES-

11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	B7	Roof Special	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:27 2022 Page 1
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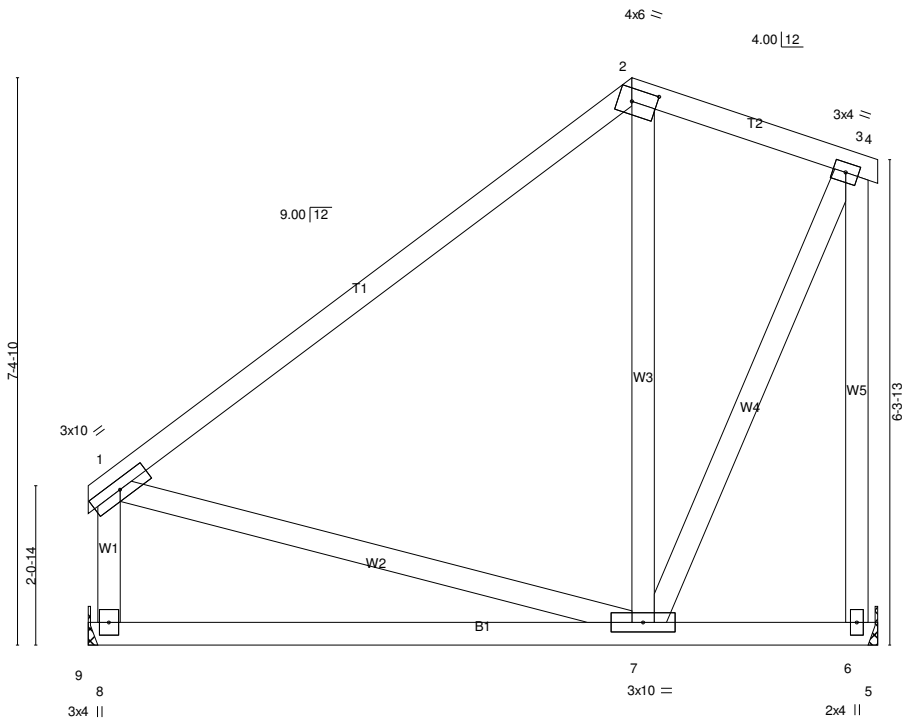
7-1-0 | 10-3-6
7-1-0 | 3-2-6

Scale = 1:30.0



7-1-0 | 10-3-6
7-1-0 | 3-2-6

Plate Offsets (X,Y)-- [2:0-3-13,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.05	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.09	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.00	7-8	>999	240	Weight: 75 lb	FT = 20%

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

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

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

REACTIONS. (size) 8=Mechanical, 6=Mechanical
Max Horz 8=146(LC 12)
Max Uplift6=-72(LC 12)
Max Grav 8=395(LC 1), 6=400(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-296/15, 1-8=-318/88, 3-6=-419/208
BOT CHORD 7-8=-225/304
WEBS 3-7=-167/387

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-4 to 4-8-1, Interior(1) 4-8-1 to 7-1-0, Exterior(2) 7-1-0 to 10-3-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

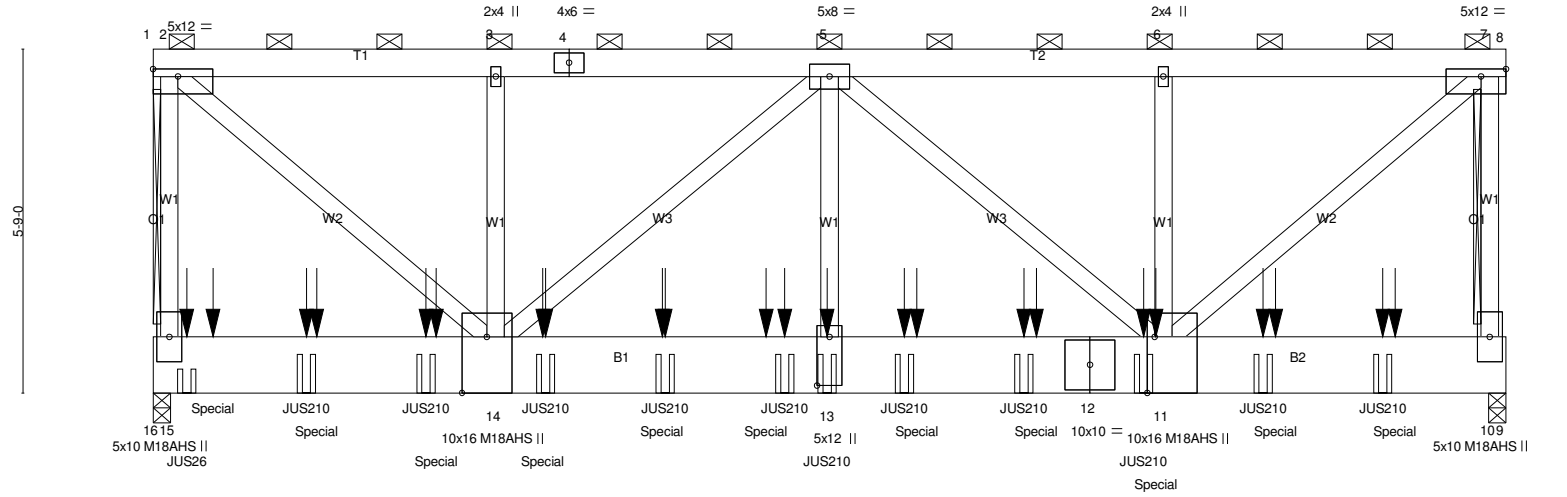
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	C1	Flat Girder	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:28 2022 Page 1
ID:yM8NdNVZ6vP2wgkR6uNImKzKHmz-rAc0BvY6Ma9e5wuJerDaVmHC5w516sAfqV5ot2yWQTD

5-8-12	11-3-12	16-10-12	22-7-8
5-8-12	5-7-0	5-7-0	5-8-12

Scale = 1:38.5



5-8-12	11-3-12	16-10-12	22-7-8
5-8-12	5-7-0	5-7-0	5-8-12

Plate Offsets (X,Y)-- [2:Edge,0-1-8], [7:Edge,0-1-8], [11:0-11-4,Edge], [13:0-9-12,0-2-8], [14:0-11-4,Edge]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.83	Vert(LL)	-0.12	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.35	Vert(CT)	-0.25	13	>999	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr NO	WB	0.95	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.08	13	>999	240	Weight: 468 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x12 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W2: 2x4 SP 2400F 2.0E

BRACING-
TOP CHORD 2-0-0 oc purlins (5-5-11 max.): 1-8, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 2-15, 7-10
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

REACTIONS. (size) 15=0-3-8 (req. 0-5-1), 10=0-3-8 (req. 0-4-2)
Max Grav 15=12165(LC 1), 10=9937(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-8341/0, 2-3=-8862/0, 3-4=-8862/0, 4-5=-8862/0, 5-6=-9033/0, 6-7=-9033/0, 7-10=-8502/0
BOT CHORD 14-20=0/12431, 20-21=0/12431, 21-22=0/12431, 22-23=0/12431, 13-23=0/12431, 13-24=0/12431, 24-25=0/12431, 12-25=0/12431, 12-26=0/12431, 11-26=0/12431
WEBS 2-14=0/12018, 3-14=-329/144, 5-14=-4813/156, 5-13=0/5980, 5-11=-4581/0, 6-11=-326/149, 7-11=0/12253

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x12 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) The Fabrication Tolerance at joint 14 = 18%, joint 11 = 18%
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 40.0psf 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) WARNING: Required bearing size at joint(s) 15, 10 greater than input bearing size.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

NOTES-

12) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 0-6-12 from the left end to connect truss(es) A2 (1 ply 2x10 SP) to front face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
13) Use USP JUS210 (With 8-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-6-12 from the left end to 18-6-12 to connect truss(es) A2 (1 ply 2x10 SP) to front face of bottom chord.
14) Use USP JUS210 (With 8-10d nails into Girder & 4-10d nails into Truss) or equivalent at 20-6-12 from the left end to connect truss(es) A2 (1 ply 2x10 SP) to front face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
15) Use USP JUS210 (With 8-10d nails into Girder & 4-10d nails into Truss) or equivalent at 11-3-4 from the left end to connect truss(es) B2 (1 ply 2x6 SP) to back face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
16) Fill all nail holes where hanger is in contact with lumber.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2675 lb down and 501 lb up at 1-0-0, 380 lb down and 92 lb up at 2-8-13 , 380 lb down and 92 lb up at 4-8-13, 2660 lb down and 517 lb up at 10-3-0, 814 lb down and 246 lb up at 12-9-4, 814 lb down and 246 lb up at 14-9-4, 814 lb down and 246 lb up at 16-9-4, and 814 lb down and 246 lb up at 18-9-4, and 814 lb down and 246 lb up at 20-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
18) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-20, 2-7=-60, 7-8=-20, 9-16=-20
   Concentrated Loads (lb)
      Vert: 15=-784(F) 13=-814(B) 17=-2675(B) 18=-1160(F=-779, B=-380) 19=-1160(F=-779, B=-380) 20=-1160(F=-779, B=-380) 21=-1160(F=-779, B=-380) 22=-2660(B) 23=-779(F) 24=-1593(F=-779, B=-814) 25=-1593(F=-779, B=-814) 26=-1593(F=-779, B=-814) 27=-1593(F=-779, B=-814) 28=-1593(F=-779, B=-814)

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	D1	Flat Girder	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:29 2022 Page 1
ID:yM8NdNVZ6vP2wgkR6uNImKzKHmz-JMAOPFYk7tHVj4TVBZkp2_qVhKUWrUzo39rMPUyWQTC

4-6-0 | 9-0-0
4-6-0 | 4-6-0

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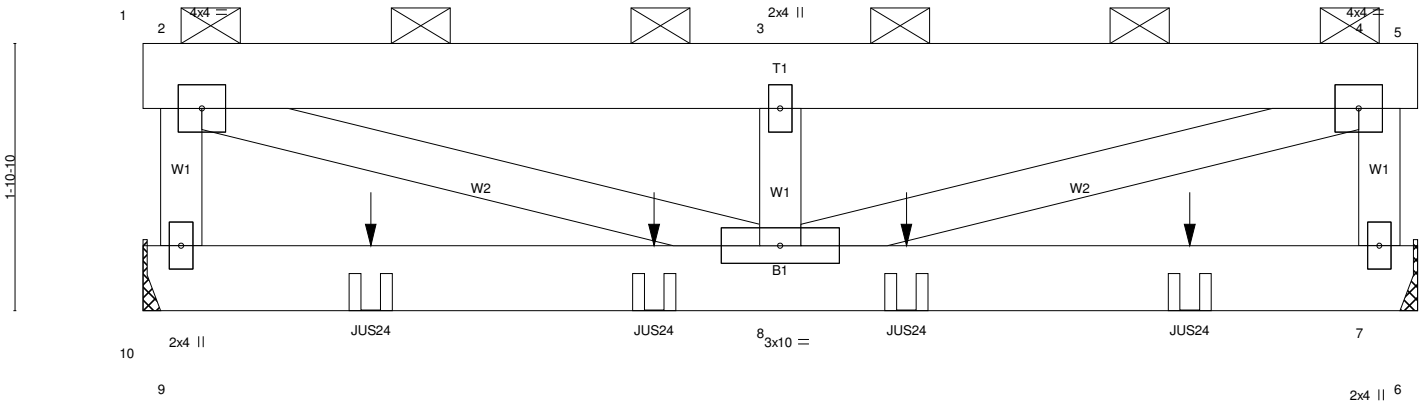

4-6-0 | 9-0-0
4-6-0 | 4-6-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.02	8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.03	8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.00	8	>999	240	Weight: 117 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-5, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 7=Mechanical
Max Grav 9=1099(LC 1), 7=1099(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-731/0, 2-3=-1805/0, 3-4=-1805/0, 4-7=-731/0
WEBS 2-8=0/1696, 4-8=0/1696

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 40.0psf 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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Use USP JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-7-5 from the left end to 7-4-11 to connect truss(es) B7 (1 ply 2x4 SP) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=-20, 2-4=-60, 4-5=-20, 6-10=-20
Concentrated Loads (lb)
Vert: 11=-375(F) 12=-375(F) 13=-375(F) 14=-375(F)

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	G01	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:30 2022 Page 1
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0-10-8 10-0-0 10-0-0 0-10-8

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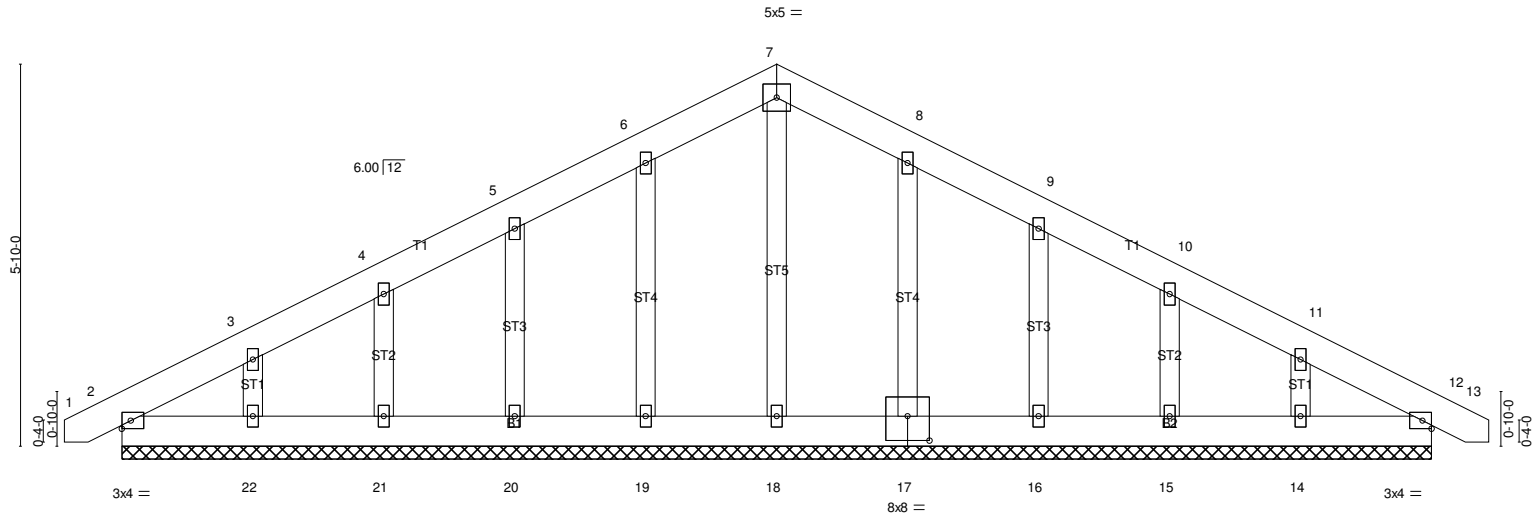

20-0-0
20-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 140 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

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

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

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=108(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 22, 17, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 21, 22, 17, 16, 15, 14

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-6 to 4-0-0, Exterior(2) 4-0-0 to 10-0-0, Corner(3) 10-0-0 to 14-4-13, Exterior(2) 14-4-13 to 20-8-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 40.0psf 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) 2, 12, 19, 20, 21, 22, 17, 16, 15, 14.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	G02	COMMON	9	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:31 2022 Page 1
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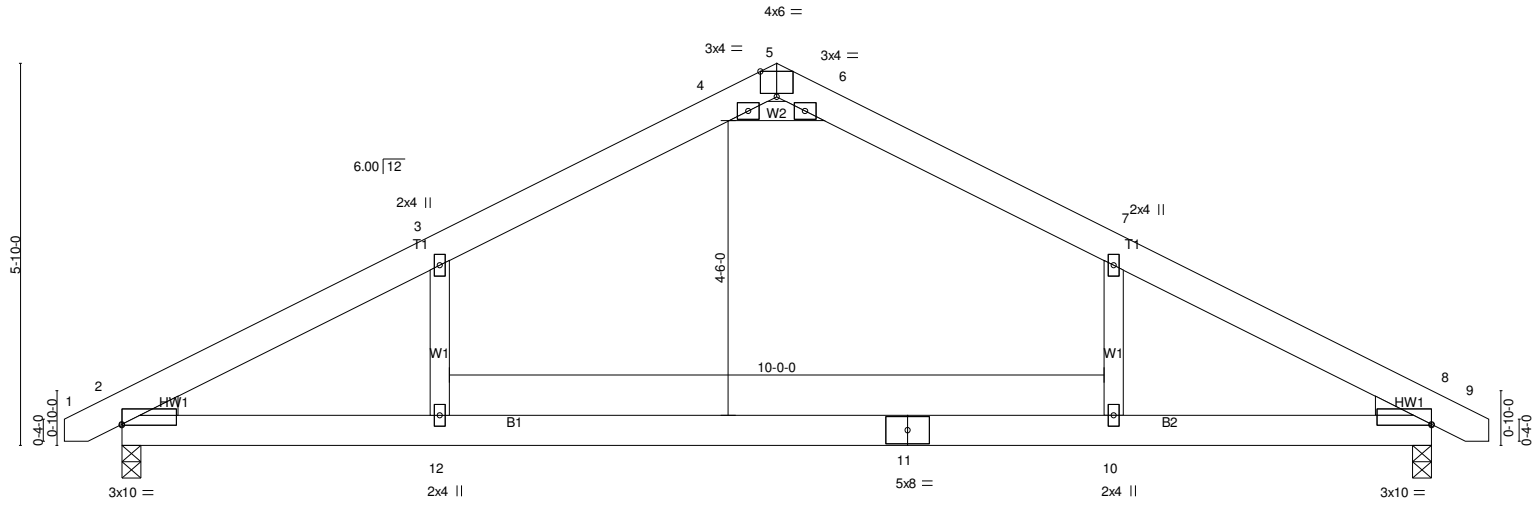
-0-10-8	5-1-12	10-0-0	14-10-4	20-0-0	20-10-8
0-10-8	5-1-12	4-10-4	4-10-4	5-1-12	0-10-8

Scale = 1:35.2



6-9-3	13-2-13	20-0-0
6-9-3	6-5-11	6-9-3

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

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.72	Vert(LL)	-0.33	10-12	>722	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.64	Vert(CT)	-0.52	10-12	>454	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.30	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.10	10-12	>999	240	Weight: 115 lb	FT = 20%

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

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

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

REACTIONS. (size) 2=0-3-8 (min. 0-1-8), 8=0-3-8 (min. 0-1-8)
Max Horz 2=70(LC 9)
Max Uplift2=-58(LC 12), 8=-58(LC 13)
Max Grav 2=895(LC 2), 8=895(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1343/233, 3-13=-1236/242, 3-14=-1024/297, 4-14=-937/316, 4-5=-237/1409, 5-6=-237/1409, 6-15=-937/316, 7-15=-1024/297, 7-16=-1236/242, 8-16=-1343/233
BOT CHORD 2-12=-118/1020, 12-17=-118/1020, 11-17=-118/1020, 11-18=-118/1020, 10-18=-118/1020, 8-10=-118/1020
WEBS 3-12=0/504, 7-10=0/504, 4-6=-2593/594

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 10-0-0, Exterior(2) 10-0-0 to 14-4-13, Interior(1) 14-4-13 to 20-8-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	106-22-144 Aragon
J1022-5038	M1	Monopitch	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Marshall Naylor

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Oct 5 16:27:31 2022 Page 1
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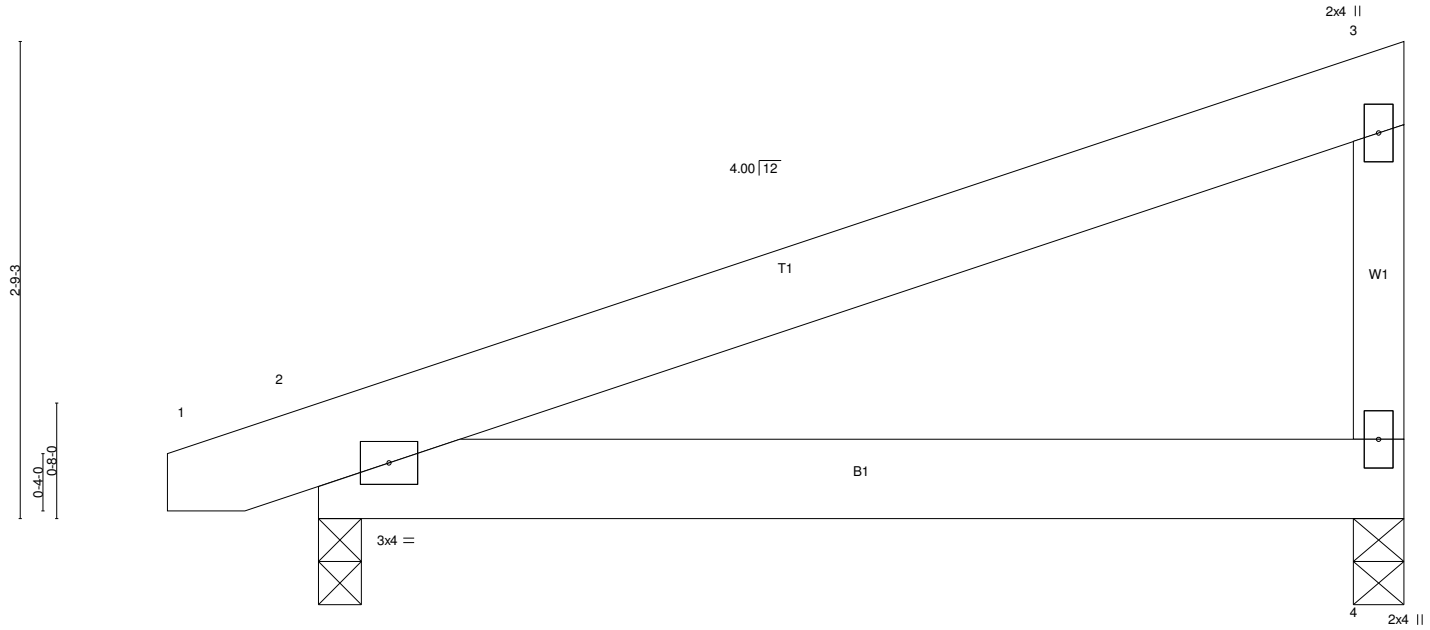
-0-10-8 | 6-3-8
0-10-8 | 6-3-8

Scale = 1:13.4



6-3-8
6-3-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.02	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.04	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.04	2-4	>999	240	Weight: 35 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

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

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

REACTIONS. (size) 4=0-3-8 (min. 0-1-8), 2=0-3-0 (min. 0-1-8)
Max Horz 2=74(LC 8)
Max Uplift4=-105(LC 8), 2=-109(LC 8)
Max Grav 4=238(LC 1), 2=290(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 6-1-12 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=105, 2=109.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard