Maronda Systems

Maronda Systems 4005 Maronda Way Sanford FL 32771 (407) 321-0064 Fax (407) 321-3913
Engineer/Architect of Record: **Carl Brown P.E.** **258 Southhall Lane, Suite 200 Maitland, Fl 32751 FL PE # 56126**
Engineer/Architect of Record: **Scott A Lewkowski P.E.** **258 Southhall Lane, Suite 200 Maitland, FL 32751 FL PE # 78750**
Engineer/Architect of Record: **Thien Bao Duong P.E.** **258 Southhall Lane, Suite 200 Maitland, FL 32751 FL PE # 94452**
Design Criteria: TPI Design: Matrix Analysis MiTek software

PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL
9FC01001	010 - 1	TBD SW CADENCE GLEN LAKE CITY, FL 32024	JAW/9FC	HUNJ43F/LH

HUNTINGTON J W/

3CAR SIDE OPT

This structure was designed in accordance with, and meets the requirements of TPI standards and the FLORIDA BUILDING CODE 8thTH EDITION (2023) for 160 M.P.H. Wind Zone. Exposure C Truss loading is in accordance with ASCE 7-22. These trusses are designed for an enclosed building. With risk category II.

The Truss Engineering package for the above referenced site was generated by the Truss Designer/Architect/MiTek.

I, the Delegated Truss Engineer for the above referenced lot Have reviewed the package and confirmed that it matches the physical and structural Parameters found on the set of permit drawings.

Truss ID	Run Date	Drawing Reviewed	Truss ID	Run Date	Drawing Reviewed
Layout	08/08/24		JGR55F	08/08/24	
REACTION SUMMARY	08/08/24		JGR75F	08/08/24	
MII web plate	2017		JGR75PF	08/08/24	
OR1	2009		MGR02	08/08/24	
ST-4ply Screw	2012		PB02	08/08/24	
VC1	2009		T01	08/08/24	
TN1	2009		T02	08/08/24	
ST-Rep01A1	2014		T03	08/08/24	
MMII-PIGGY-PERP	2019		V03	08/08/24	
G01	08/08/24				
GP03	08/08/24				
GP04	08/08/24				
H01	08/08/24				
H03	08/08/24				
H11	08/08/24				
H12	08/08/24				
H13	08/08/24				
H14	08/08/24				
H15	08/08/24				
H16	08/08/24				
H17	08/08/24				
H18	08/08/24				
H19	08/08/24				
H20	08/08/24				
HGR01	08/08/24				
HGR02	08/08/24				
HGR03	08/08/24				
HGR05	08/08/24				
HGR06	08/08/24				
J01	08/08/24				
J02	08/08/24				
J15F	08/08/24				
J15PF	08/08/24				
J35F	08/08/24		INV #	DESC	QNTY
J35PF	08/08/24		050060.0110	JUS26	3
J35SF	08/08/24		050060.0047	THD28	
J55F	08/08/24		050060.0049	THD28-2	
J55PF	08/08/24		050060.0106	HUS26	1
J75F	08/08/24		050060.0272	HUS179	
J75PF	08/08/24		050060.0058	HJC26	4
JGR01	08/08/24		050060.0312	HJC26-SK60	
			SEAT PLATES		
J55PF			FLOOR SEAT PLATES		

No. of Eng. Dwgs: **50**

Roof Loads-

TC Live:	16.0 psf
TC Dead:	7.0 psf
BC Live:	0.0 psf
BC Dead:	10.0 psf
Total	33.0 psf
DurFac- Lbr:	1.25
DurFac- Plt:	1.25
O.C. Spacing:	24.0"

Floor Loads-

TC Live:	40.0 psf
TC Dead:	10.0 psf
BC Live:	0.0 psf
BC Dead:	5.0 psf
Total	55.0 psf
DurFac- Lbr:	1.00
DurFac- Plt:	1.00
O.C. Spacing:	24.0"

TSG
Making Dreams Come True
TOTAL SOLUTIONS GROUP
258 Southhall Lane, Suite 200
Maitland, Florida, 32751
(407) 680 2333
CA No. 9161
100% Employee Owned
myTSGhome.com
☐ CARL A. BROWN, PE - FL # 56126
☐ SCOTT A. LEWKOWSKI, PE - FL # 78750
☐ THIEN BAO DUONG, PE - FL # 94452

SCOTT A LEWKOWSKI LICENSE No. 78750 STATE OF FLORIDA PROFESSIONAL ENGINEER

1-22-25

Signing Date: 01/27/2025

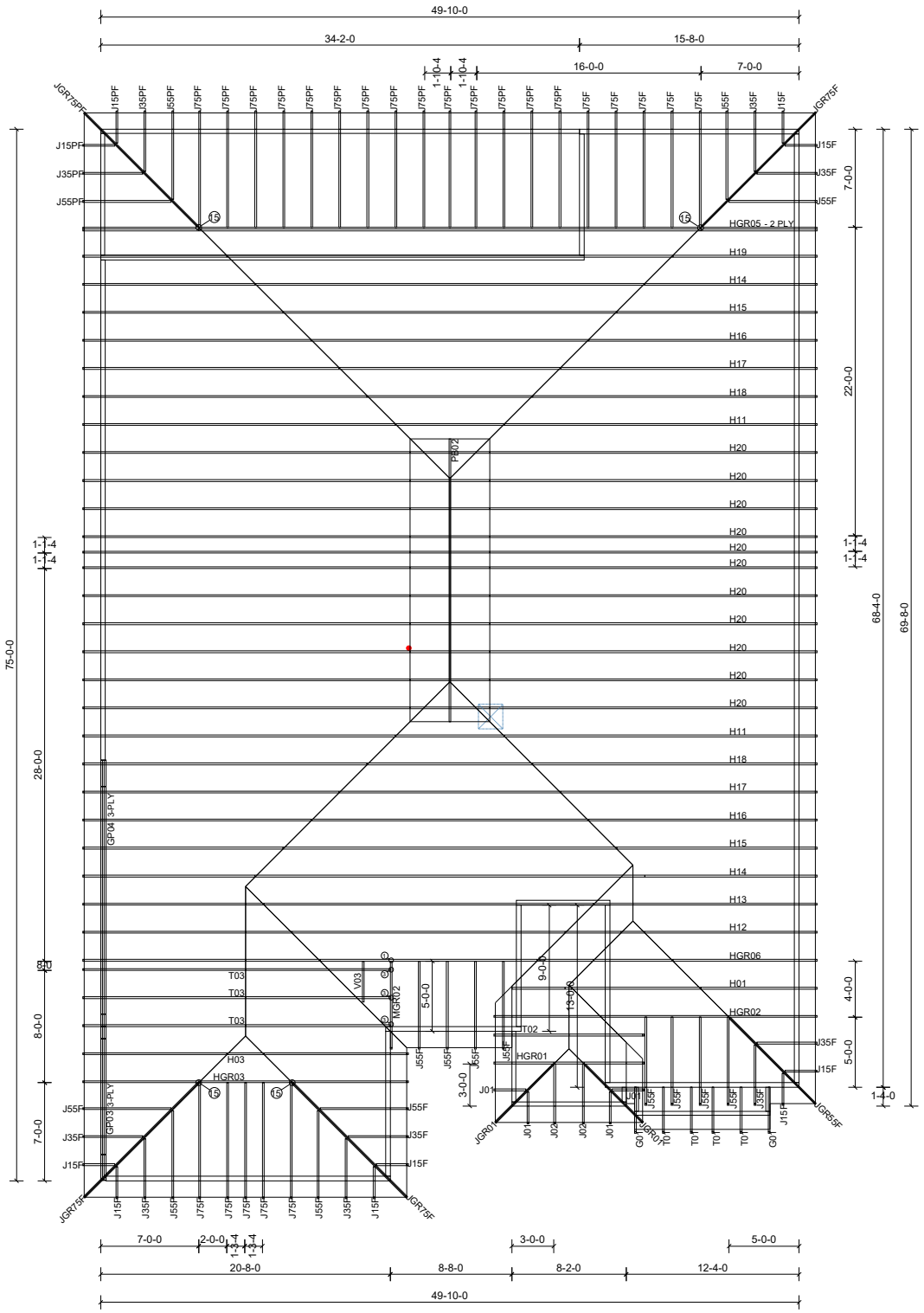
TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND UNDERSTANDING, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE SIGNED AND SEALED FOR THE STRUCTURAL PORTION OF THIS DRAWING.

		EXPOSURE	
TC LIVE	16.0 lb/ft²	SNOW LOAD	0.00
TC DEAD	7.0 lb/ft²	LUMBER DOL	1.25
BC LIVE	0.0 lb/ft²	PLATE DOL	1.25
BC DEAD	10.0 lb/ft²	WIND	160.0 mph Vasd=124.0 mph
TOTAL	33.0 lb/ft²	SPACING	24" O.C.

GENERAL TRUSS NOTES:

1. INFORMATION BASED ON 160.0 MPH WIND LOAD. ALL PRESSURES WERE CALCULATED USING MWFRS/C-C HYBRID WIND ASCE 7-22.
2. PROVIDE TRUSS BRACING PER TRUSS ENGINEERING AND BCSI I-03.

TRUSS PLACEMENT PLAN



HUNTINGTON "J"
3 CAR SIDE LEFT

MARONDA Homes
4005 Maronda Way
Sanford, FL 32771
(407) 321-0064

CUSTOMER:Maronda Systems

Model: HUNTINGTON
ELEVATION: J 3 CAR SIDE
DRAWN BY: MITEK VIETNAM
RELEASE DATE: 08/09/24
GARAGE: LEFT

TSG
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1-22-25

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FLORIDA:

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE FLORIDA BUILDING CODE 8th EDITION (2023): RESIDENTIAL. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS AND DESIGN CRITERIA STATED ON THE COVER SHEET.

DEFINITIONS

MWF = MAIN WIND FORCE
C&C = COMPONENTS AND CLADDING
TOB = TOP OF BEARING
TC = TOP CHORD
BC = BOTTOM CHORD
LL = LIVE LOAD
DL = DEAD LOAD
psf = POUNDS PER SQUARE FOOT
# = POUNDS

LOADS PER FBC & FRC

* NON-CONCURRENT BC LL 10psf
CONCURRENT STORAGE BC LL 20 psf

SHEET:

TR1

TEMPLATE REVISION DATE 09/22/23: CDH

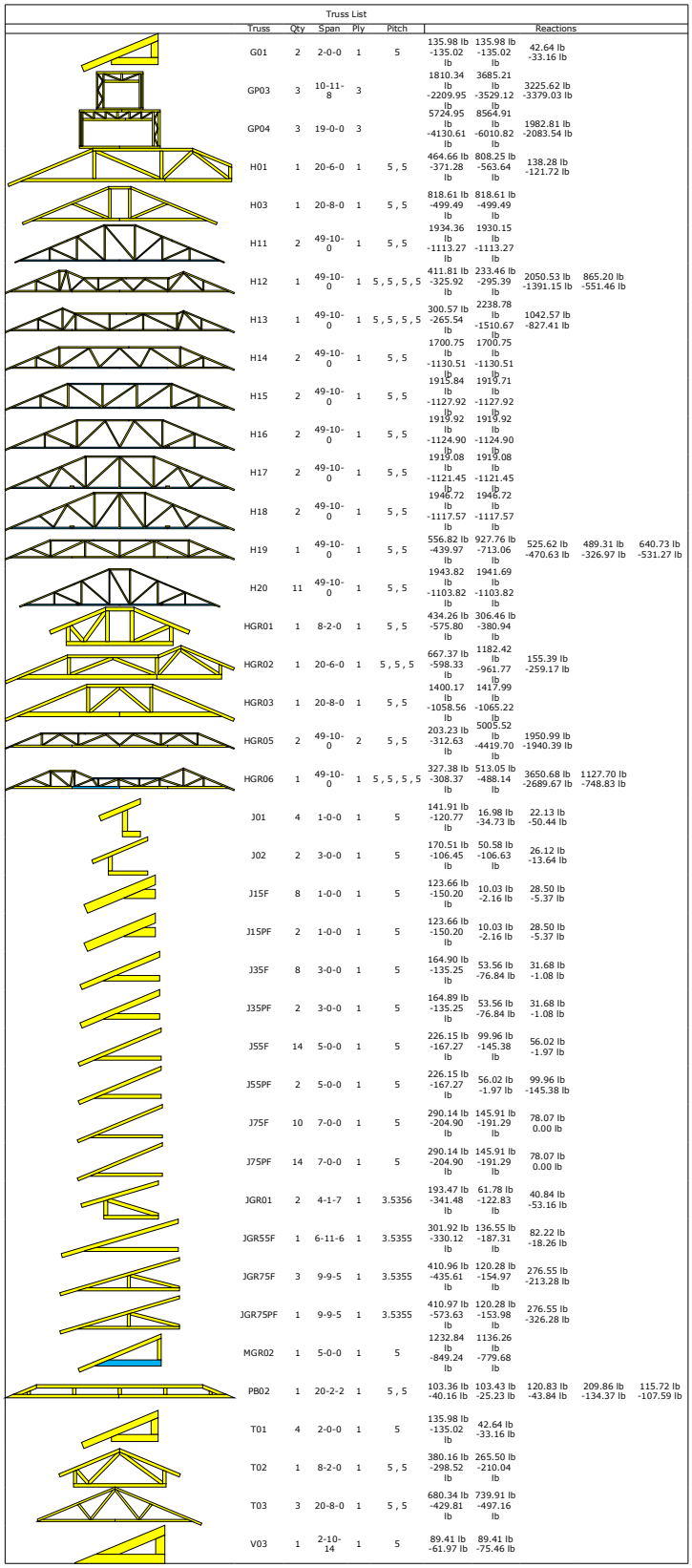
Page 1 of 1

		EXPOSURE	
TC LIVE	16.0 lb/ft²	SNOW LOAD	0.00
TC DEAD	7.0 lb/ft²	LUMBER DOL	1.25
BC LIVE	0.0 lb/ft²	PLATE DOL	1.25
BC DEAD	10.0 lb/ft²	WIND	160.0 mph Vasd=124.0 mph
TOTAL	33.0 lb/ft²	SPACING	24" O.C.

GENERAL TRUSS NOTES:

1. INFORMATION BASED ON 160.0 MPH WIND LOAD. ALL PRESSURES WERE CALCULATED USING MWFRS/C-C HYBRID WIND ASCE 7-22.
2. PROVIDE TRUSS BRACING PER TRUSS ENGINEERING AND BCSI I-03.

TRUSS PLACEMENT PLAN



Truss List

Truss	Qty	Span	Ply	Pitch	Reactions				
G01	2	2-0-0	1	5	135.98 lb -135.02 lb	135.98 lb -135.02 lb	42.64 lb -33.16 lb		
GP03	3	10-11-8	3		1810.34 lb -2209.95 lb	3685.21 lb -3529.12 lb	3225.62 lb -3379.03 lb		
GP04	3	19-0-0	3		5724.95 lb -4130.61 lb	8564.91 lb -6010.82 lb	1982.81 lb -2083.54 lb		
H01	1	20-6-0	1	5, 5	464.66 lb -371.28 lb	808.25 lb -563.64 lb	138.28 lb -121.72 lb		
H03	1	20-8-0	1	5, 5	818.61 lb -499.49 lb	818.61 lb -499.49 lb			
H11	2	49-10-0	1	5, 5	1934.36 lb -1113.27 lb	1930.15 lb -1113.27 lb			
H12	1	49-10-0	1	5, 5, 5, 5	411.81 lb -325.92 lb	233.46 lb -295.39 lb	2050.53 lb -1391.15 lb	865.20 lb -551.46 lb	
H13	1	49-10-0	1	5, 5, 5, 5	300.57 lb -265.54 lb	2238.78 lb -1510.67 lb	1042.57 lb -827.41 lb		
H14	2	49-10-0	1	5, 5	1700.75 lb -1130.51 lb	1700.75 lb -1130.51 lb			
H15	2	49-10-0	1	5, 5	1915.84 lb -1127.92 lb	1919.71 lb -1127.92 lb			
H16	2	49-10-0	1	5, 5	1919.92 lb -1124.90 lb	1919.92 lb -1124.90 lb			
H17	2	49-10-0	1	5, 5	1919.08 lb -1121.45 lb	1919.08 lb -1121.45 lb			
H18	2	49-10-0	1	5, 5	1946.72 lb -1117.57 lb	1946.72 lb -1117.57 lb			
H19	1	49-10-0	1	5, 5	556.82 lb -439.97 lb	927.76 lb -713.06 lb	525.62 lb -470.63 lb	489.31 lb -326.97 lb	640.73 lb -531.27 lb
H20	11	49-10-0	1	5, 5	1943.82 lb -1103.82 lb	1941.69 lb -1103.82 lb			
HGR01	1	8-2-0	1	5, 5	434.26 lb -575.80 lb	306.46 lb -380.94 lb			
HGR02	1	20-6-0	1	5, 5, 5	667.37 lb -598.33 lb	1182.42 lb -961.77 lb	155.39 lb -259.17 lb		
HGR03	1	20-8-0	1	5, 5	1400.17 lb -1058.56 lb	1417.99 lb -1065.22 lb			
HGR05	2	49-10-0	2	5, 5	203.23 lb -312.63 lb	5005.52 lb -4419.70 lb	1950.99 lb -1940.39 lb		
HGR06	1	49-10-0	1	5, 5, 5, 5	327.38 lb -308.37 lb	513.05 lb -488.14 lb	3650.68 lb -2689.67 lb	1127.70 lb -748.83 lb	
J01	4	1-0-0	1	5	141.91 lb -120.77 lb	16.98 lb -34.73 lb	22.13 lb -50.44 lb		
J02	2	3-0-0	1	5	170.51 lb -106.45 lb	50.58 lb -106.63 lb	26.12 lb -13.64 lb		
J15F	8	1-0-0	1	5	123.66 lb -150.20 lb	10.03 lb -2.16 lb	28.50 lb -5.37 lb		
J15PF	2	1-0-0	1	5	123.66 lb -150.20 lb	10.03 lb -2.16 lb	28.50 lb -5.37 lb		
J35F	8	3-0-0	1	5	164.90 lb -135.25 lb	53.56 lb -76.84 lb	31.68 lb -1.08 lb		
J35PF	2	3-0-0	1	5	164.89 lb -135.25 lb	53.56 lb -76.84 lb	31.68 lb -1.08 lb		
J55F	14	5-0-0	1	5	226.15 lb -167.27 lb	99.96 lb -145.38 lb	56.02 lb -1.97 lb		
J55PF	2	5-0-0	1	5	226.15 lb -167.27 lb	56.02 lb -1.97 lb	99.96 lb -145.38 lb		
J75F	10	7-0-0	1	5	290.14 lb -204.90 lb	145.91 lb -191.29 lb	78.07 lb 0.00 lb		
J75PF	14	7-0-0	1	5	290.14 lb -204.90 lb	145.91 lb -191.29 lb	78.07 lb 0.00 lb		
JGR01	2	4-1-7	1	3.5356	193.47 lb -341.48 lb	61.78 lb -122.83 lb	40.84 lb -53.16 lb		
JGR55F	1	6-11-6	1	3.5355	301.92 lb -330.12 lb	136.55 lb -187.31 lb	82.22 lb -18.26 lb		
JGR75F	3	9-9-5	1	3.5355	410.96 lb -435.61 lb	120.28 lb -154.97 lb	276.55 lb -213.28 lb		
JGR75PF	1	9-9-5	1	3.5355	410.97 lb -573.63 lb	120.28 lb -153.98 lb	276.55 lb -326.28 lb		
MGR02	1	5-0-0	1	5	1232.84 lb -849.24 lb	1136.26 lb -779.68 lb			
PB02	1	20-2-2	1	5, 5	103.36 lb -40.16 lb	103.43 lb -25.23 lb	120.83 lb -43.84 lb	209.86 lb -134.37 lb	115.72 lb -107.59 lb
T01	4	2-0-0	1	5	135.98 lb -135.02 lb	42.64 lb -33.16 lb			
T02	1	8-2-0	1	5, 5	380.16 lb -298.52 lb	265.50 lb -210.04 lb			
T03	3	20-8-0	1	5, 5	680.34 lb -429.81 lb	739.91 lb -497.16 lb			
V03	1	2-10-14	1	5	89.41 lb -61.97 lb	89.41 lb -75.46 lb			

MARONDA Homes

4005 Maronda Way
Sanford, FL 32771
(407) 321-0064

CUSTOMER:Maronda Systems

Model: HUNTINGTON

ELEVATION: J 3 CAR SIDE

DRAWN BY: MITEK VIETNAM

RELEASE DATE: 08/08/24

GARAGE: REACTION

FLORIDA:

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LOADS PER FBC & FRC

* NON-CONCURRENT BC LL 10psf
CONCURRENT STORAGE BC LL 20 psf

SHEET:

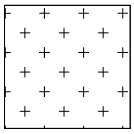
TR1

TEMPLATE REVISION DATE 09/22/23: CDH

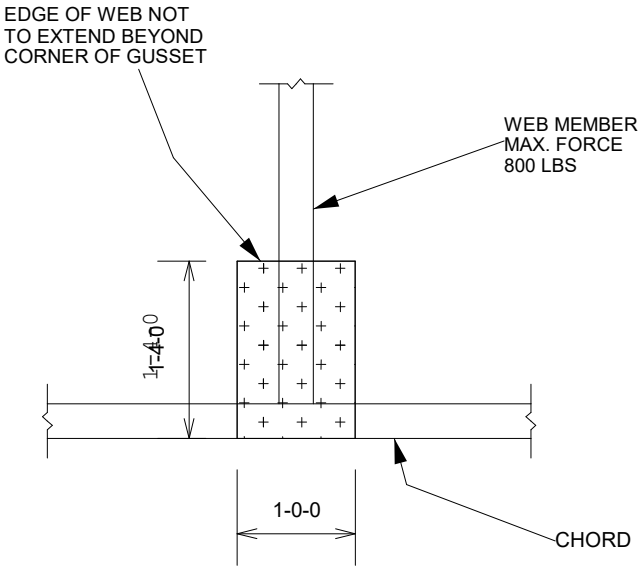
Page 1 of 1

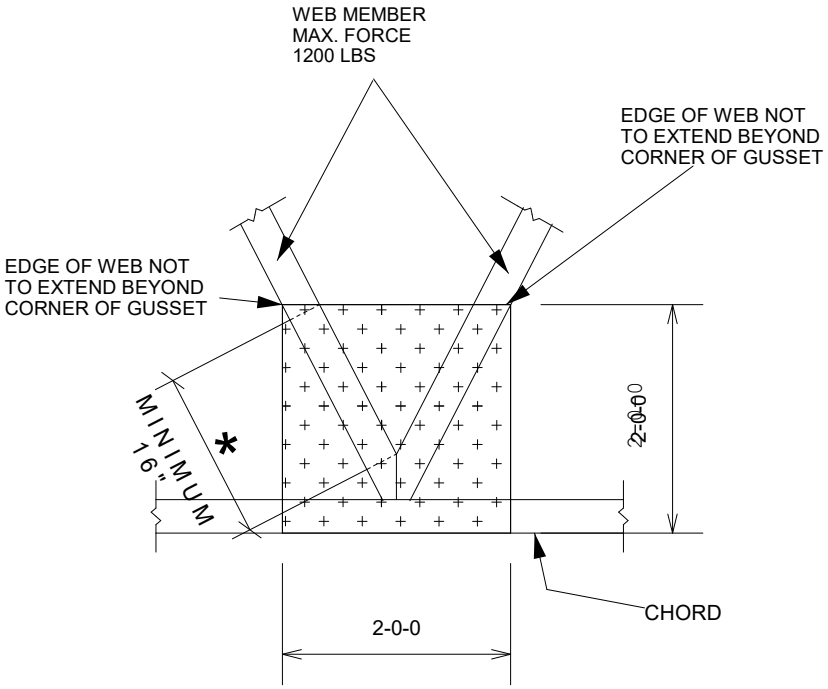
MiTek USA, Inc.

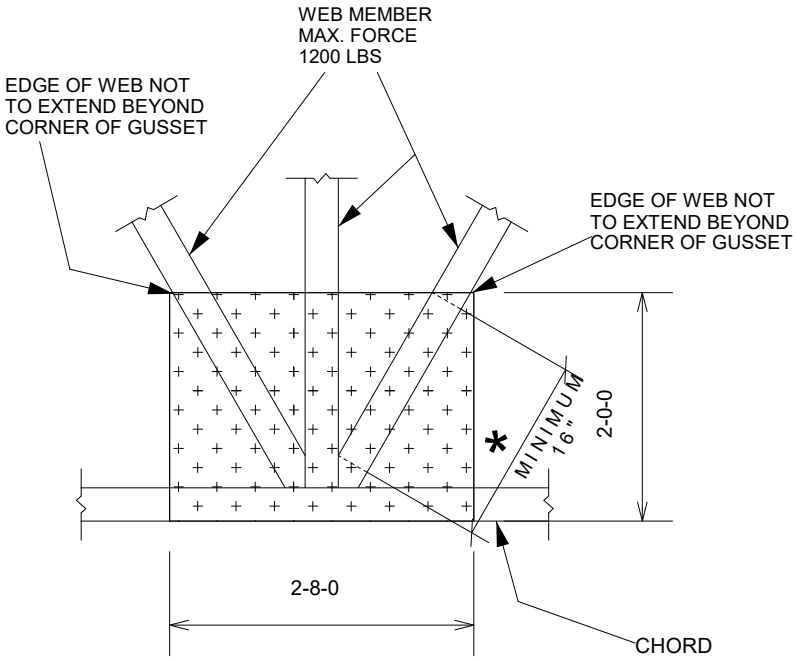
1. ALL MATERIAL IS 2x4
2. THIS DETAIL IS APPLICABLE FOR DESIGNS WITH DOLS. OF 1.15 OR 1.25 AND LUMBER SPECIES SP, DF, HF, OR SPF.
3. DETAIL SHALL BE USED FOR CONDITIONS OF A MISSING OR LOOSE CONNECTOR PLATE ONLY.
4. CHORD MATERIAL IS CONTINUOUS THROUGH JOINT, THERE IS NO MAXIMUM CHORD FORCE AND NO SPLICE PERMITTED.
5. REFER TO MITEK DESIGN DRAWING FOR WEB FORCES.



ATTACH 1/2" PLYWOOD OR OSB GUSSET (15/32" RATED SHEATHING 32/16 EXP 1) TO EACH FACE OF TRUSS WITH (0.131" X MIN 2.5") NAILS IN 3 ROWS SPACED @ 4" O.C. NAILS TO BE DRIVEN FROM BOTH FACES. STAGGER SPACING FROM FRONT TO BACK FACE FOR A NET 2" O.C. SPACING IN THE TRUSS. USE 2" MEMBER END DISTANCE.

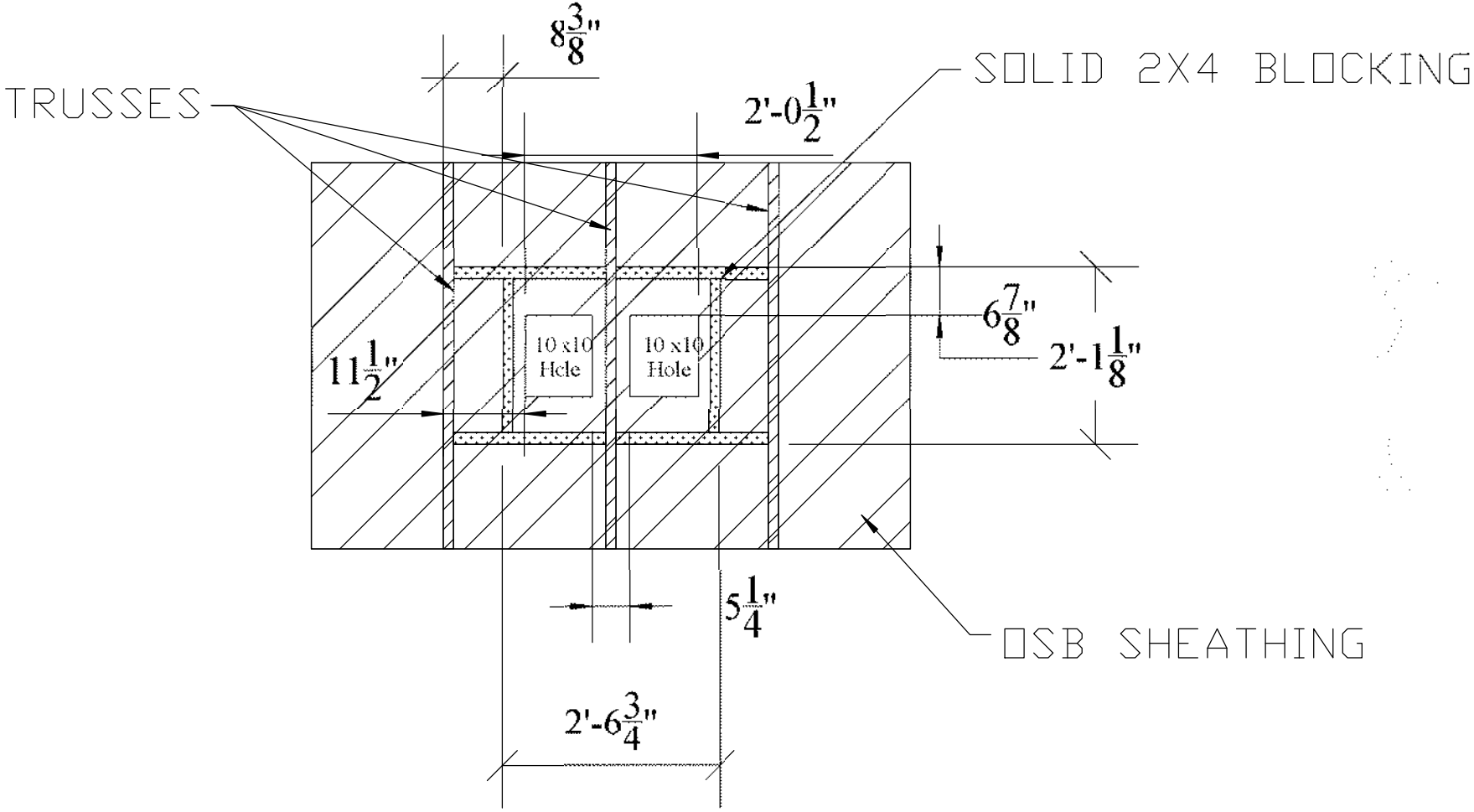






* MEASUREMENT TAKEN AT POINTS WHERE WEB ACHIEVES FULL MEMBER DEPTH (AS MEASURED PERPENDICULAR TO WEB'S SAW-MILLED EDGE)

OFF-RIDGE INSTALLATION



LAMANCO OFF RIDGE VENT FRAMING DETAIL

Maronda Homes

TRUSS DETAILS

OFF-RIDGE INSTALLATION

DRAWN BY: J.FESSIA | GARAGE:

RELEASE DATE: 12/9/09

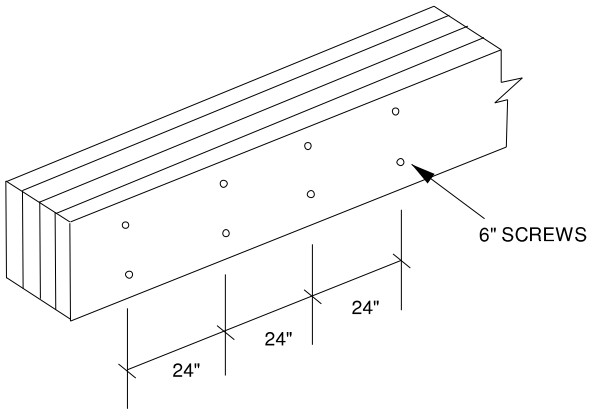
SHEET:

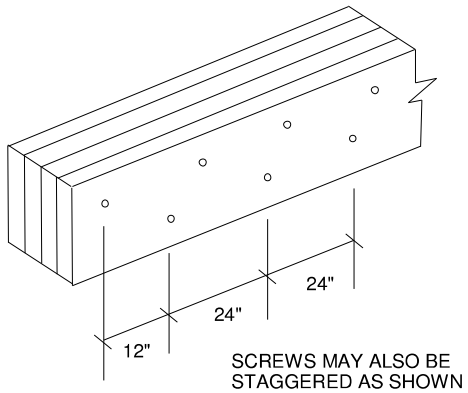
OR1

FLORIDA RESIDENTIAL CODE 2007 - RESIDENTIAL

MiTek USA, Inc.

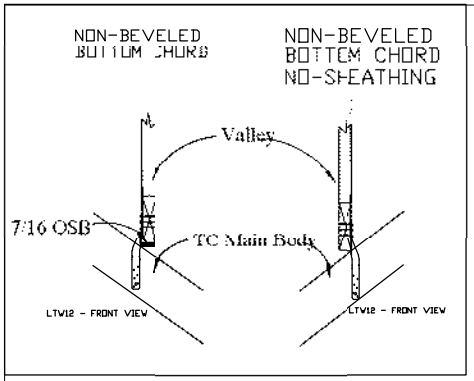
Four ply girder trusses are to be connected together using the nailing or screw schedule provided by Mitek 20/20 software. In addition to the nailing typically specified, 1/2" dia. bolts are sometimes specified throughout certain chords as indicated on the truss design drawing. In lieu of these bolts, the following wood screws may be used: USP WS6, MiTek Trusslok 6", or equivalent.
These screws are to be installed in two rows spaced 24"o.c. in 2x 6 and larger chords (use one row in 2x 4 chords) as shown in the detail below.
These connections are intended to provide clamping force to aid in allowing the four ply assembly to act as a unit and are not included in the calculation of ply to ply load transfer.





Please note that screws are not required from the back face. However, it is vitally important that the plies are tightly clamped together during the installation of the screws to prevent gaps between the plies.

For trusses where screws are specified for the ply to ply connection instead of nails, the bolts called in the connection notes may be omitted.



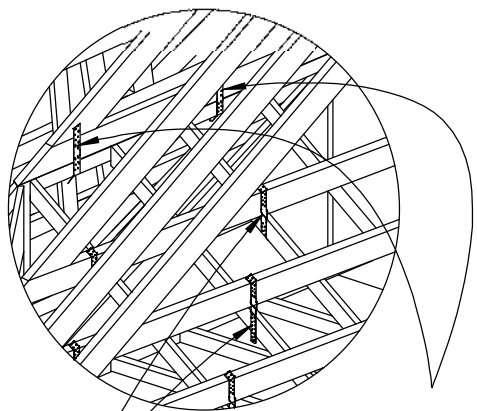
VALLEY CONNECTIONS

(ELEMENTS NOT SHOWN FOR CLARITY)

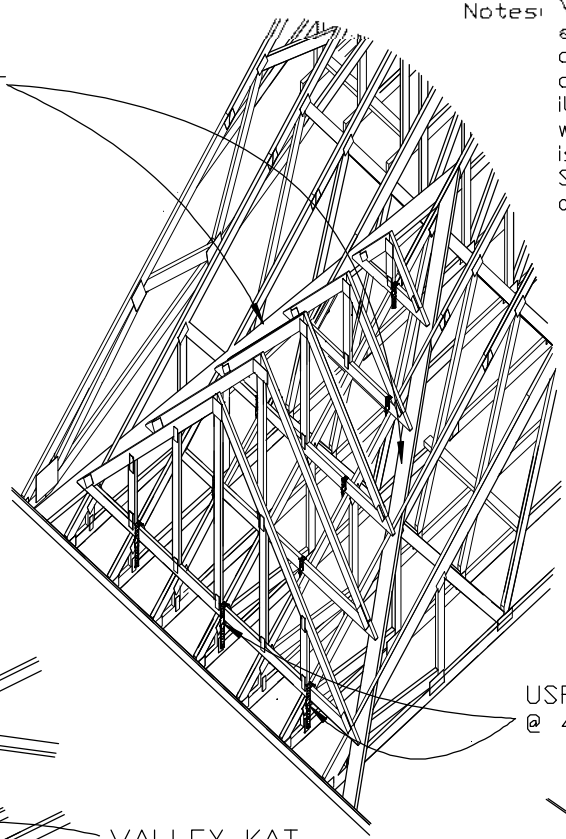
Notes:

Valley trusses can be installed either a top main body roof trusses or a top 7/16 sheathing. Connections of strapping remain the same as illustrated. Valley kats are required when a top main body truss option is utilized.
See truss engineering and standard details for truss bracing requirements.

Main body trusses 2'OC perpendicular to valley is considered to be continuous bearing. If sheathing exists under valleys, Sheathing is not required to be continuous See NON BEVELED BOTTOM CHORD Detail



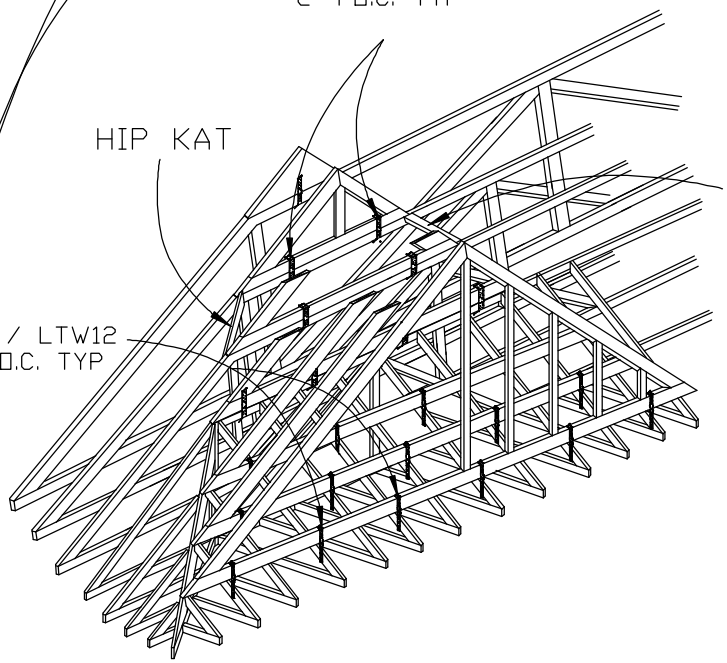
USP / MSTA12
@ 4'O.C. TYP



VALLEY KAT

USP / LTW12
@ 4'O.C. TYP

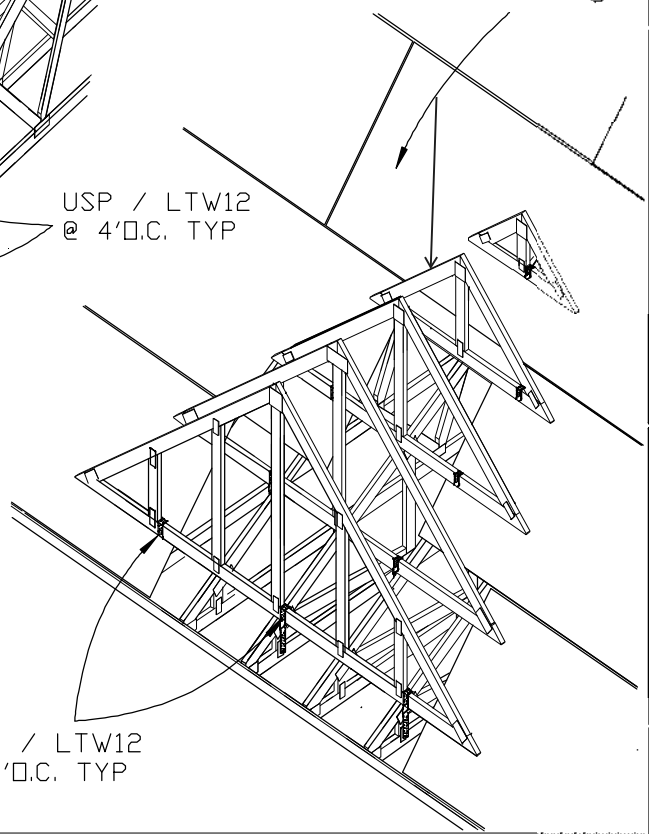
7/16 Sheathing



HIP KAT

VALLEY KAT

USP / LTW12
@ 4'O.C. TYP



USP / LTW12
@ 4'O.C. TYP

REVISIONS

Maronda Homes

TRUSS DETAILS

VALLEY CONNECTIONS

DRAWN BY: J.FESSIA

RELEASE DATE: 12/7/09

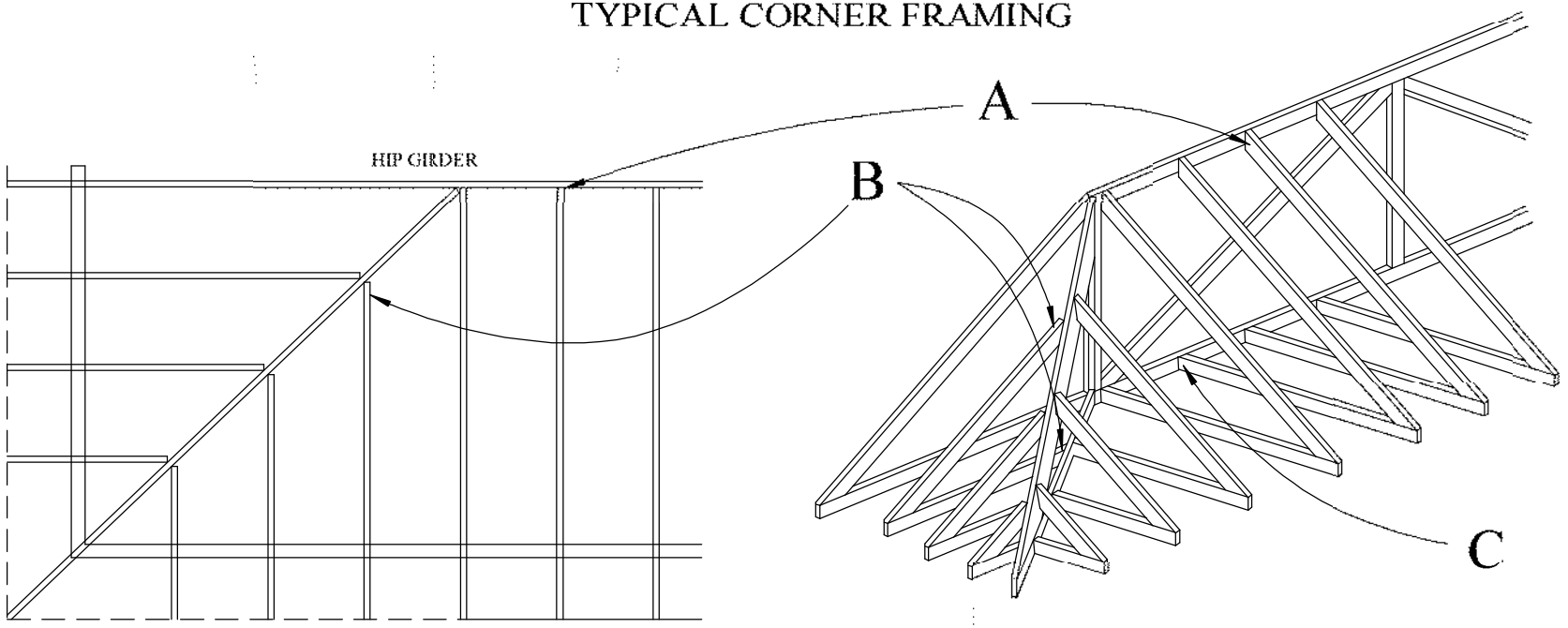
SHEET:

VC1

PLOT DATE:

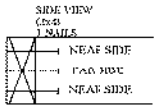
TOE-NAILED CONNECTIONS AT BEARING LOCATIONS

TYPICAL CORNER FRAMING

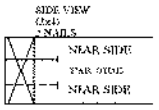


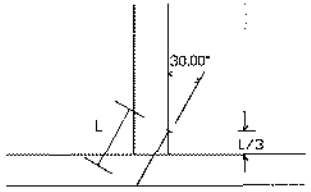
90 DEGREE ANGLE/SQUARE CUT

Connection at A



Connection at C

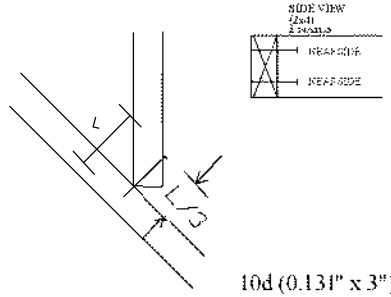




10d (0.131" x 3") nails

45 DEGREE ANGLE / SQUARE CUT

Connection at B



10d (0.131" x 3") nails

CONNECTION VALUES:

	GRAVITY	UPLIFT
(3)10D	320	385
(3)16D	355	462

Wind loading: Basic wind speed is 160 MPH ULT (124 ASD).
Exposure category B or C.
Occupancy category II
4.8 psf top chord dead load.
4.2 psf bottom chord dead load.
25' roof height.
MWFRS gable end zone.
Enclosed building (Cond. I)
FBCR-10,TPI-07, ASCE 7-10
Duration of load is 1.60
L= NAIL LENGTH

Marcela Homes

TRUSS DETAILS

TOE-NAILED CONNECTIONS

DRAWN BY: GARAGE

BLDG ASSUMED DATE: 2/9/09

SHEET:

TN1

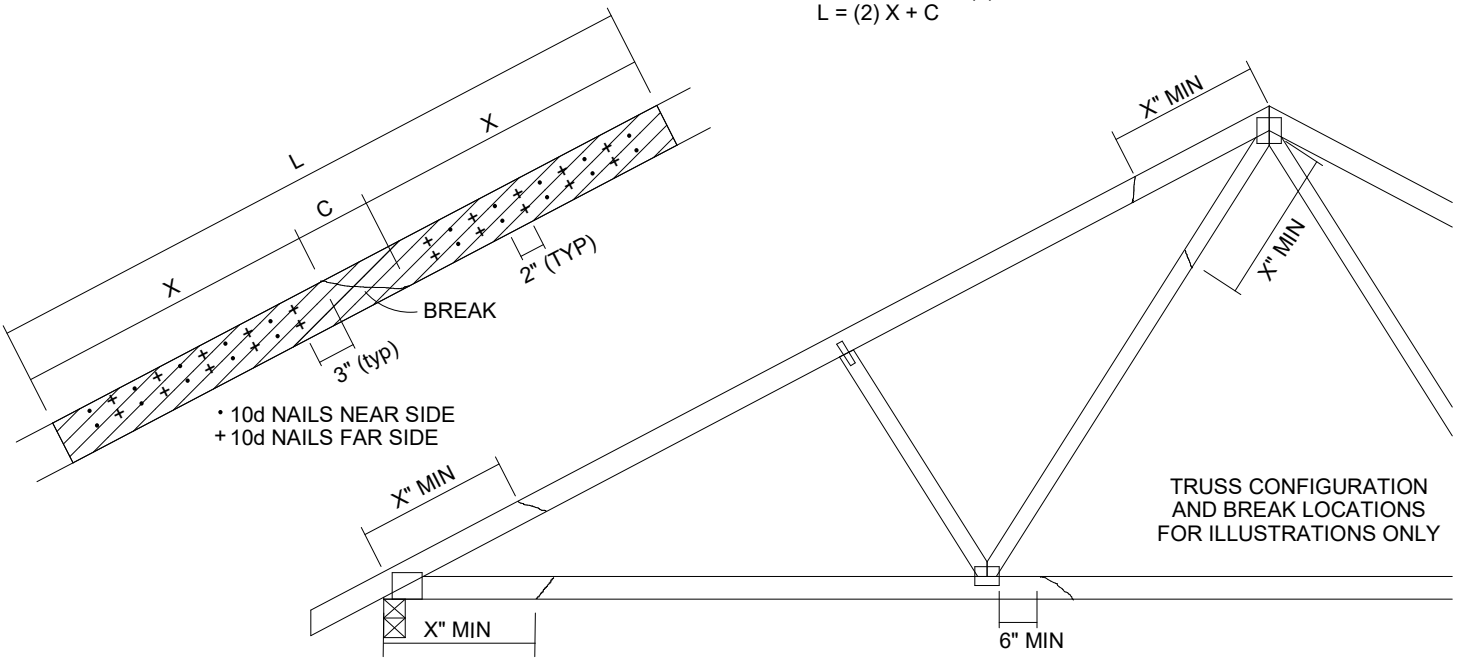
MiTek® ENGINEERED BY TRENCO A MiTek Affiliate

TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *		X INCHES	MAXIMUM FORCE (lbs) 15% LOAD DURATION							
			SP		DF		SPF		HF	
2x4	2x6		2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6
20	30	24"	1706	2559	1561	2342	1320	1980	1352	2028
26	39	30"	2194	3291	2007	3011	1697	2546	1738	2608
32	48	36"	2681	4022	2454	3681	2074	3111	2125	3187
38	57	42"	3169	4754	2900	4350	2451	3677	2511	3767
44	66	48"	3657	5485	3346	5019	2829	4243	2898	4347

* DIVIDE EQUALLY FRONT AND BACK

ATTACH 2x_ SCAB OF THE SAME SIZE AND GRADE AS THE BROKEN MEMBER TO EACH FACE OF THE TRUSS (CENTER ON BREAK OR SPLICE) WITH 10d (0.131" X 3") NAILS (TWO ROWS FOR 2x4, THREE ROWS FOR 2x6) SPACED 4" O.C. AS SHOWN. STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 0-2-0 O.C. SPACING IN THE MAIN MEMBER. USE A MIN. 0-3-0 MEMBER END DISTANCE.

THE LENGTH OF THE BREAK (C) SHALL NOT EXCEED 12". (C=PLATE LENGTH FOR SPLICE REPAIRS)
THE MINIMUM OVERALL SCAB LENGTH REQUIRED (L) IS CALCULATED AS FOLLOWS:
L = (2) X + C



THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

NOTES:
1. THIS REPAIR DETAIL IS TO BE USED ONLY FOR THE APPLICATION SHOWN. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
4. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.
5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 2x_ ORIENTATION ONLY.
6. THIS REPAIR IS LIMITED TO TRUSSES WITH NO MORE THAN THREE BROKEN MEMBERS.

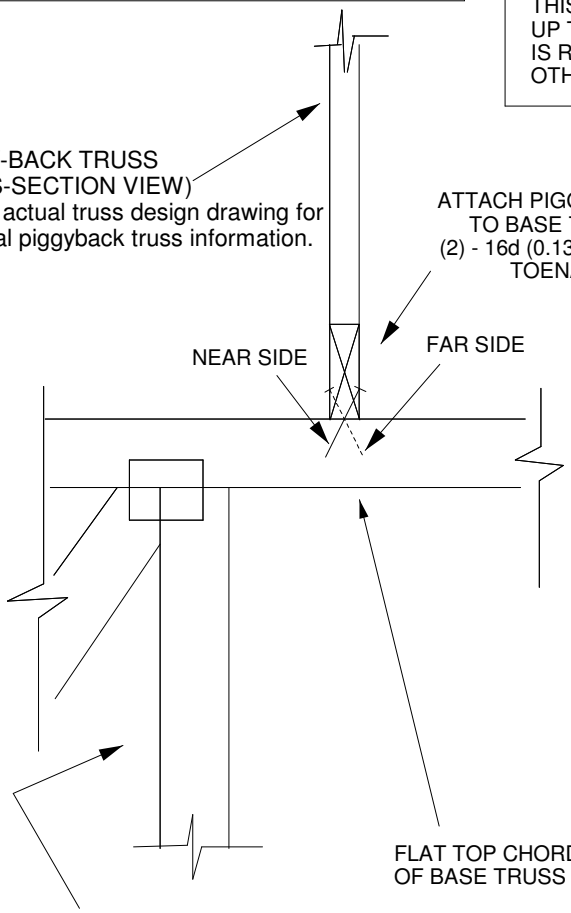
APRIL 12, 2019	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL (PERPENDICULAR)	MII-PIGGY-PERP.

MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate

MAX MEAN ROOF HEIGHT = 30 FEET
BUILDING CATEGORY II
WIND EXPOSURE B or C
WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 100 MPH (MWFRS)
WIND DESIGN PER ASCE 7-10, ASCE 7-16 125 MPH (MWFRS)
DURATION OF LOAD INCREASE
FOR WIND LOADS: 1.60

DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES). ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED.

THIS DETAIL SHALL BE ONLY USED FOR RESISTING A VERTICAL WIND UPLIFT UP TO 140 LBS MAXIMUM AT EACH CONNECTION POINT. BUILDING DESIGNER IS RESPONSIBLE FOR THE LOAD EXCEEDING THIS LIMITATION AND/OR IN OTHER DIRECTIONS.



NOTES FOR TRUSS:

1. THIS DETAIL IS VALID FOR ONE-PLY PIGGYBACK TRUSS ONLY;
2. THE CHORD MEMBER OF PIGGYBACK AND BASE TRUSSES MUST BE SOUTHERN PINE OR DOUGLAS FIR-LARCH LUMBER;
3. THE SPACING OF PIGGYBACK TRUSSES AND BASE TRUSSES IS 2 FT OR LESS;
4. THE PIGGYBACK TRUSSES SHOULD BE PERPENDICULAR TO BASE TRUSSES.
5. PIGGYBACK TRUSS MAY NOT CANTILEVER OVER BASE TRUSS OR HAVE AN OVERHANG WHICH WILL CREATE A HIGHER UPLIFT AT CONNECTING POINT.

NOTES FOR TOE-NAIL:

1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	G01	Monopitch Supported Gable	2	1	Job Reference (optional)

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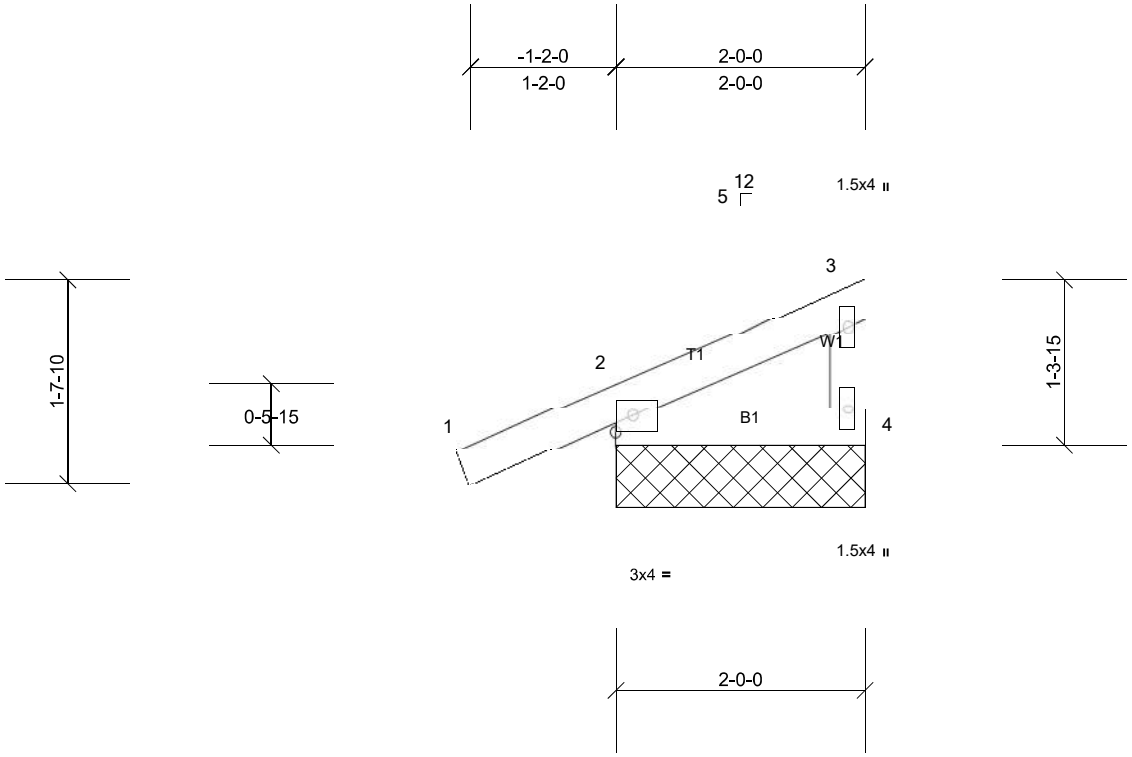

Scale = 1:18.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 9 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 2=136/2-0-0, (min. 0-1-8), 4=43/2-0-0, (min. 0-1-8), 5=136/2-0-0, (min. 0-1-8)
Max Horiz 2=87 (LC 10), 5=87 (LC 10)
Max Uplift 2=-135 (LC 7), 4=-33 (LC 11), 5=-135 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-318/63

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-0-0 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.

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 2, 33 lb uplift at joint 4 and 135 lb uplift at joint 2.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	GP03	Roof Special Girder	1	3	Job Reference (optional)

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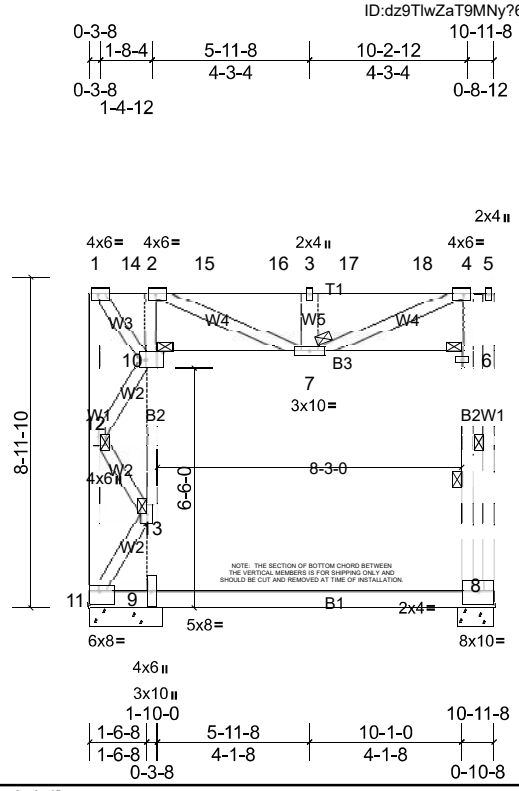

Scale = 1:62.5

Plate Offsets (X, Y): [8:0-5-0,0-4-8], [10:0-5-8,0-2-8], [11:Edge,0-4-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.03	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.05	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.00	8	n/a	n/a		
BCDL	15.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 446 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2:2x4 SP No.2
WEBS	2x4 SP No.2 *Except* W5:2x6 SP No.2

REACTIONS (lb/size) 8=2021/1-0-0, (min. 0-1-8), 9=1331/1-11-8, (min. 0-1-8), 11=595/1-11-8, (min. 0-1-8)
Max Horiz 11=-1816 (LC 21)
Max Uplift 8=-3379 (LC 21), 9=-3529 (LC 21), 11=-2210 (LC 20)
Max Grav 8=3226 (LC 40), 9=3685 (LC 40), 11=1810 (LC 41)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 6-0-0 oc bracing: 6-8, 4-6
WEBS	1 Row at midpt 1-11, 5-8
JOINTS	1 Brace at Jt(s): 6, 7, 10, 13

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

TOP CHORD	11-12=-1142/1345, 1-12=-562/718, 1-14=-567/570, 2-14=-699/702, 2-15=-1946/2000, 15-16=-1946/1406, 3-16=-1946/1599, 3-17=-1946/1842, 17-18=-1946/1842, 4-18=-2283/2574, 5-8=-426/337
BOT CHORD	9-11=-2351/2292, 8-9=-1998/1990, 9-13=-3351/3640, 10-13=-1673/1903, 2-10=-1250/1613, 7-10=-1698/1815, 6-7=-1032/910, 6-8=-3040/3431, 4-6=-2044/1895
WEBS	4-7=-2803/2517, 3-7=-1763/1411, 2-7=-2925/2573, 1-10=-575/570, 10-12=-862/873, 12-13=-861/855, 11-13=-917/956

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
   Web connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered 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 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; 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 live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 15.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2210 lb uplift at joint 11, 3379 lb uplift at joint 8 and 3529 lb uplift at joint 9.
7) This truss has been designed for a total drag load of 2500 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 10-11-8 for 228.1 plf.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 410 lb down and 402 lb up at 0-1-12, 103 lb down and 134 lb up at 1-1-5, 111 lb down and 94 lb up at 3-1-5, 172 lb down and 126 lb up at 5-1-5, and 1364 lb down and 1024 lb up at 7-0-4, and 775 lb down and 458 lb up at 9-0-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-5=-54, 9-11=-30, 8-9=-30, 6-10=-30
   Concentrated Loads (lb)
   Vert: 1=-371, 14=-103, 15=-111, 16=-172, 17=-1364, 18=-684

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	GP03	Roof Special Girder	1	**3**	Job Reference (optional)

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	GP04	Roof Special Girder	1	3	Job Reference (optional)

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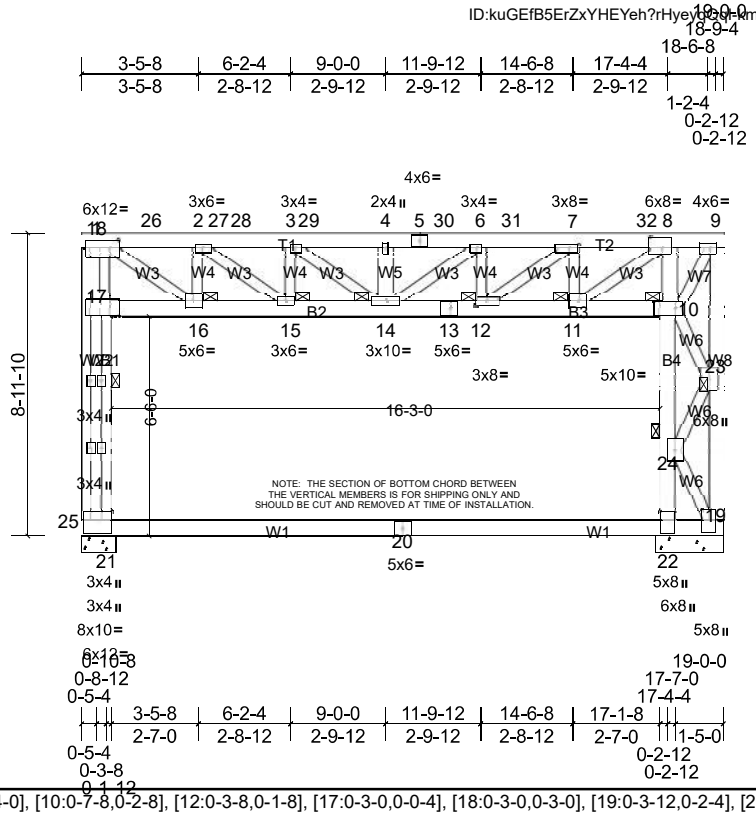

Scale = 1:68.2

Plate Offsets (X, Y): [7:0-3-8,0-1-8], [8:0-4-0,0-4-0], [10:0-7-8,0-2-8], [12:0-3-8,0-1-8], [17:0-3-0,0-0-4], [18:0-3-0,0-3-0], [19:0-3-12,0-2-4], [21:0-6-8,0-3-4], [22:0-3-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.18	14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.19	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.67	Horz(CT)	-0.01	19	n/a	n/a		
BCDL	15.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 757 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B1:2x4 SP No.2
WEBS	2x4 SP No.2 *Except* W8,W1,W5:2x6 SP No.2

REACTIONS (lb/size) 19=598/2-0-0, (min. 0-3-11), 22=8400/2-0-0, (min. 0-3-11), 25=5725/1-0-0, (min. 0-2-4)
Max Horiz 25=298 (LC 21)
Max Uplift 19=-2084 (LC 33), 22=-6011 (LC 21), 25=-4131 (LC 20)
Max Grav 19=1983 (LC 40), 22=8565 (LC 2), 25=5725 (LC 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.
WEBS	1 Row at midpt 1-25, 9-19
JOINTS	1 Brace at Jt(s): 10, 24, 14, 16, 15, 12, 11

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

TOP CHORD	17-25=-5717/4131, 1-17=-5383/3945, 1-26=-5609/4241, 2-26=-5609/3899, 2-27=-9461/6725, 27-28=-9461/6458, 3-28=-9461/6458, 3-29=-11108/7905, 4-29=-11108/7765, 4-5=-11108/7472, 5-30=-11108/7625, 6-30=-11108/7854, 6-31=-10387/6930, 7-31=-10387/7254, 7-32=-6100/3948, 8-32=-6100/4388, 8-9=-1227/1530, 19-23=-1163/1319, 9-23=-942/939
BOT CHORD	16-17=-1220/1373, 15-16=-3895/5215, 14-15=-6470/9067, 13-14=-7148/9994, 12-13=-6754/9994, 11-12=-4230/5722, 10-11=-1668/1716, 22-24=-8601/6014, 10-24=-9506/7105, 8-10=-7754/5782
WEBS	21-25=-437/396, 20-21=-548/496, 20-22=-548/496, 19-22=-556/505, 9-10=-2541/2048, 10-23=-847/939, 23-24=-813/749, 19-24=-920/1005, 4-14=-1671/1272, 1-16=-5666/7641, 2-16=-4478/3412, 2-15=-3875/4784, 3-15=-2665/2259, 3-14=-2156/2099, 6-14=-1373/1201, 6-12=-3163/2595, 7-12=-4366/5516, 7-11=-5419/4008, 8-11=-6468/8933

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2084 lb uplift at joint 19, 6011 lb uplift at joint 22 and 4131 lb uplift at joint 25.
8) This truss has been designed for a total drag load of 4000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 19-0-0 for 210.5 plf.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 6

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 720 lb down and 486 lb up at 0-0-12, 686 lb down and 456 lb up at 2-0-12, 686 lb down and 456 lb up at 4-0-12, 1074 lb down and 708 lb up at 4-8-12, 811 lb down and 510 lb up at 6-8-12, 989 lb down and 786 lb up at 8-8-12, 1647 lb down and 1089 lb up at 10-8-12, 1876 lb down and 1087 lb up at 12-8-12, 1876 lb down and 1084 lb up at 14-8-12, and 1875 lb down and 1080 lb up at 16-8-12, and 1924 lb down and 1096 lb up at 18-9-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-9=-54, 10-17=-30
   Concentrated Loads (lb)
   Vert: 9=-1673, 1=-720, 4=-989, 7=-1647, 26=-686, 27=-686, 28=-1074, 29=-811, 30=-1647, 31=-1647, 32=-1647

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H01	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:24 — Page: 1

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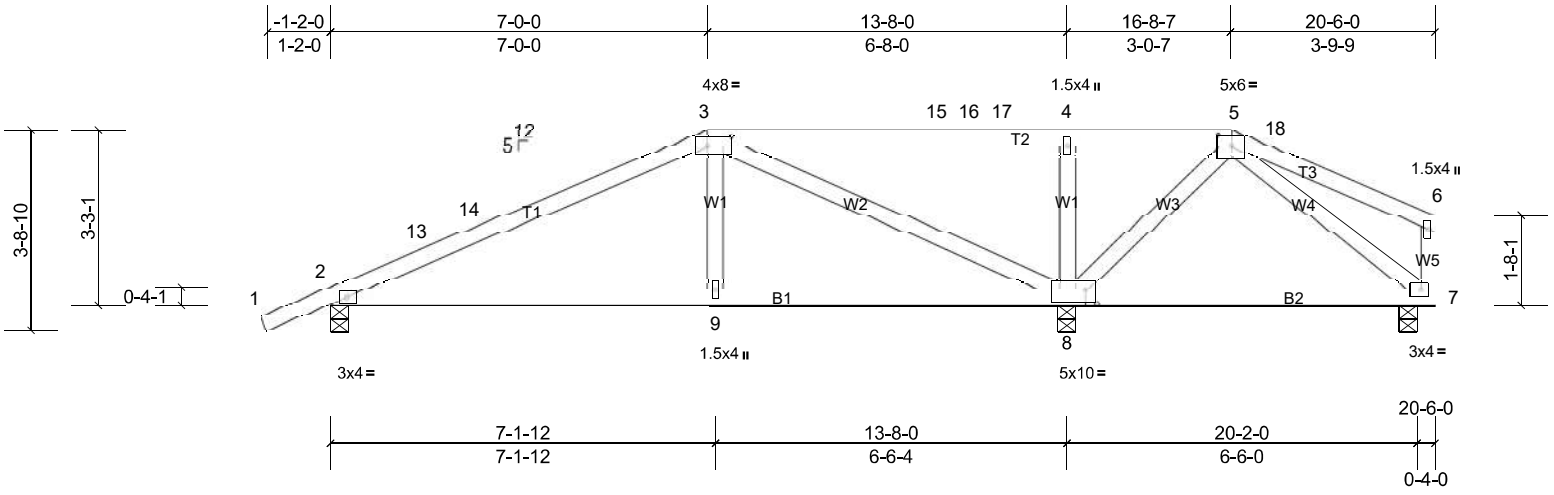


Scale = 1:42.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.13	9-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.13	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 97 lb	FT = 20%

LUMBER

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

BRACING

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

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

REACTIONS (lb/size) 2=464/0-4-0, (min. 0-1-8), 7=127/0-4-0, (min. 0-1-8), 8=808/0-4-0, (min. 0-1-8)
Max Horiz 2=128 (LC 15)
Max Uplift 2=-371 (LC 11), 7=-122 (LC 12), 8=-564 (LC 8)
Max Grav 2=465 (LC 24), 7=138 (LC 25), 8=808 (LC 1)

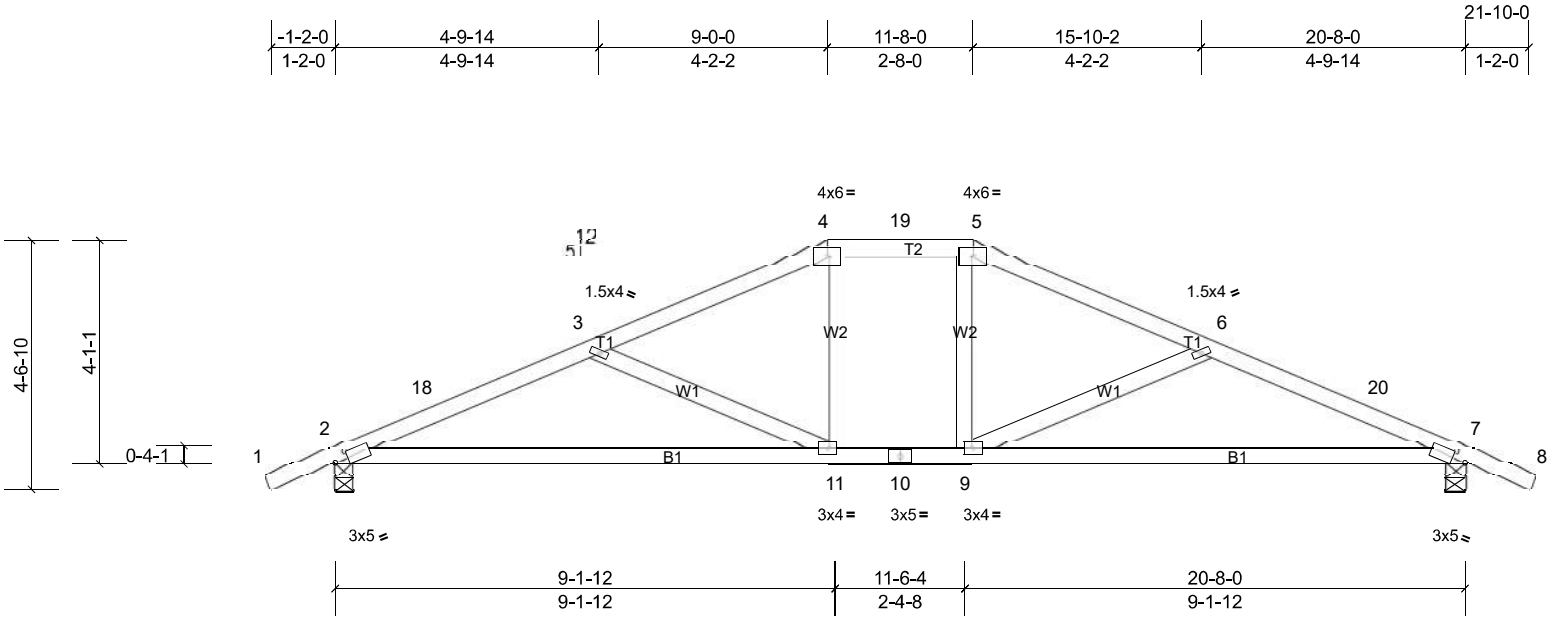
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-565/389, 13-14=-539/392, 3-14=-529/406
BOT CHORD 2-9=-353/514, 8-9=-351/522
WEBS 4-8=-278/369, 3-8=-691/553

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 20-4-4 to 20-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 371 lb uplift at joint 2, 564 lb uplift at joint 8 and 122 lb uplift at joint 7.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H03	Hip	1	1	Job Reference (optional)



Scale = 1:42.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.17	11-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.33	11-14	>747	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 92 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS (lb/size) 2=738/0-4-0, (min. 0-1-8), 7=738/0-4-8, (min. 0-1-8)
Max Horiz 2=131 (LC 11)
Max Uplift 2=-499 (LC 11), 7=-499 (LC 12)
Max Grav 2=819 (LC 2), 7=819 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1493/892, 3-18=-1480/904, 3-4=-1217/675, 4-19=-1099/670, 5-19=-1099/670, 5-6=-1217/675, 6-20=-1480/904, 7-20=-1493/892
BOT CHORD 2-11=-835/1379, 10-11=-417/1099, 9-10=-417/1099, 7-9=-745/1379
WEBS 3-11=-357/460, 4-11=-68/341, 5-9=-68/341, 6-9=-357/461

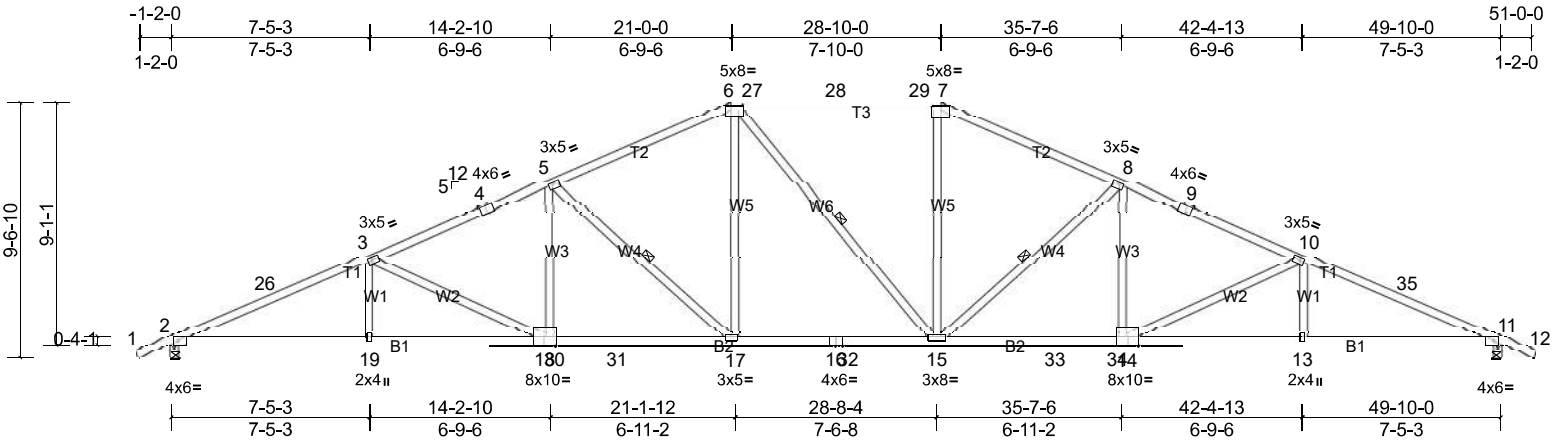
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 16-0-6 to 21-10-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 499 lb uplift at joint 2 and 499 lb uplift at joint 7.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H11	Hip	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:27 — Page: 1

ID:sudwH45Vr0GGTlMPM4hEDIyqRoG-9LypO5kG7kUpfBcT8e_gh1VH5nXoKYvFv_uGrVyq6wR



Scale = 1:86.4

Plate Offsets (X, Y): [4:0-3-0,Edge], [6:0-5-4,0-2-4], [7:0-4-0,0-1-13], [9:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	0.50	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.73	15-17	>817	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.22	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 272 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.1D
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-17, 6-15, 8-15

REACTIONS (lb/size) 2=1701/0-4-0, (min. 0-1-15), 11=1701/0-4-0, (min. 0-1-15)
Max Horiz 2=-285 (LC 12)
Max Uplift 2=-1113 (LC 11), 11=-1113 (LC 12)
Max Grav 2=1934 (LC 2), 11=1930 (LC 2)

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

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

TOP CHORD 2-26=-4270/2292, 3-26=-4235/2303, 3-4=-3648/1976, 4-5=-3583/1987, 5-6=-2953/1724, 6-27=-2682/1678, 27-28=-2682/1678, 28-29=-2682/1678, 7-29=-2682/1678, 7-8=-2942/1724, 8-9=-3573/1987, 9-10=-3637/1976, 10-35=-4224/2305, 11-35=-4260/2293

BOT CHORD 2-19=-2257/3912, 18-19=-2257/3912, 18-30=-1721/3301, 30-31=-1721/3301, 17-31=-1721/3301, 16-17=-1188/2693, 16-32=-1188/2693, 15-32=-1188/2693, 15-33=-1548/3291, 33-34=-1548/3291, 14-34=-1548/3291, 13-14=-1974/3902, 11-13=-1974/3902

WEBS 3-19=0/278, 3-18=-660/587, 5-18=-167/543, 5-17=-821/711, 6-17=-376/856, 6-15=-257/257, 7-15=-301/838, 8-15=-822/711, 8-14=-167/544, 10-14=-659/588, 10-13=0/277

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 35-7-6 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 1113 lb uplift at joint 2 and 1113 lb uplift at joint 11.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H12	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:28 — Page: 1

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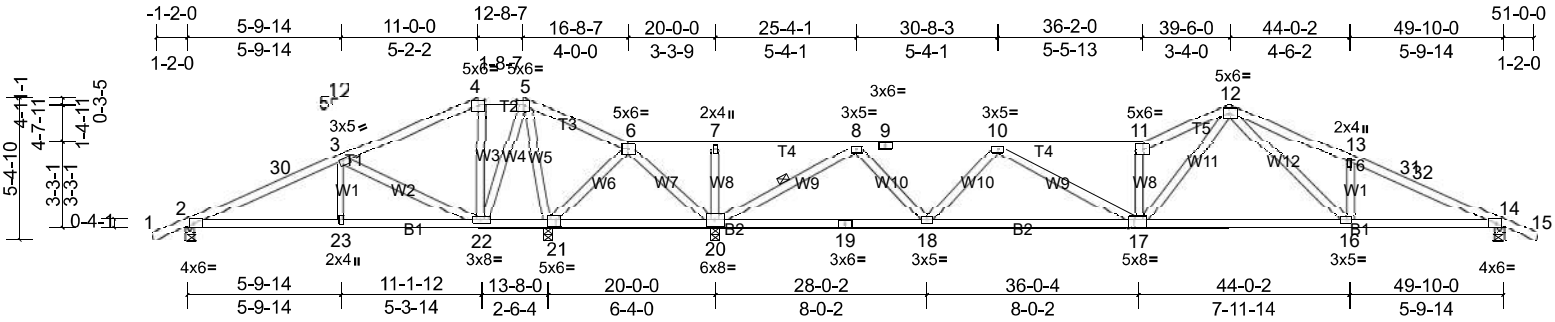

Scale = 1:87.3

Plate Offsets (X, Y): [4:0-3-0,0-2-4], [5:0-3-0,0-2-4], [17:0-2-4,0-3-4], [21:0-1-12,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.21	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.27	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	14	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 256 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 8-20

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

REACTIONS All bearings 0-4-0. except 14=0-4-8

(lb) - Max Horiz 2=157 (LC 15)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-326 (LC 11), 14=-552 (LC 12), 20=-1392 (LC 8), 21=-296 (LC 11)

Max Grav All reactions 250 (lb) or less at joint(s) 21 except 2=412 (LC 24), 14=866 (LC 25), 20=2051 (LC 25)

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

TOP CHORD 2-30=-521/418, 3-30=-453/427, 5-6=-179/456, 6-7=-1034/1710, 7-8=-1034/1710, 8-9=-658/516, 9-10=-658/516, 10-11=-1676/1126, 11-12=-1887/1297, 12-13=-1687/1321, 13-31=-1630/1142, 31-32=-1638/1134, 14-32=-1685/1134

BOT CHORD 2-23=-373/457, 22-23=-373/457, 21-22=-241/303, 20-21=-993/731, 17-18=-747/1161, 16-17=-576/1104, 14-16=-950/1517

WEBS 3-22=-542/515, 6-20=-1070/738, 11-17=-892/724, 6-21=-507/933, 5-22=-393/469, 5-21=-762/585, 7-20=-229/299, 8-18=-476/965, 8-20=-1963/1408, 10-18=-752/610, 10-17=-344/590, 13-16=-251/428, 12-17=-662/983, 12-16=-518/593

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 46-6-9 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 326 lb uplift at joint 2, 1391 lb uplift at joint 20, 295 lb uplift at joint 21 and 551 lb uplift at joint 14.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H13	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:30 — Page: 1

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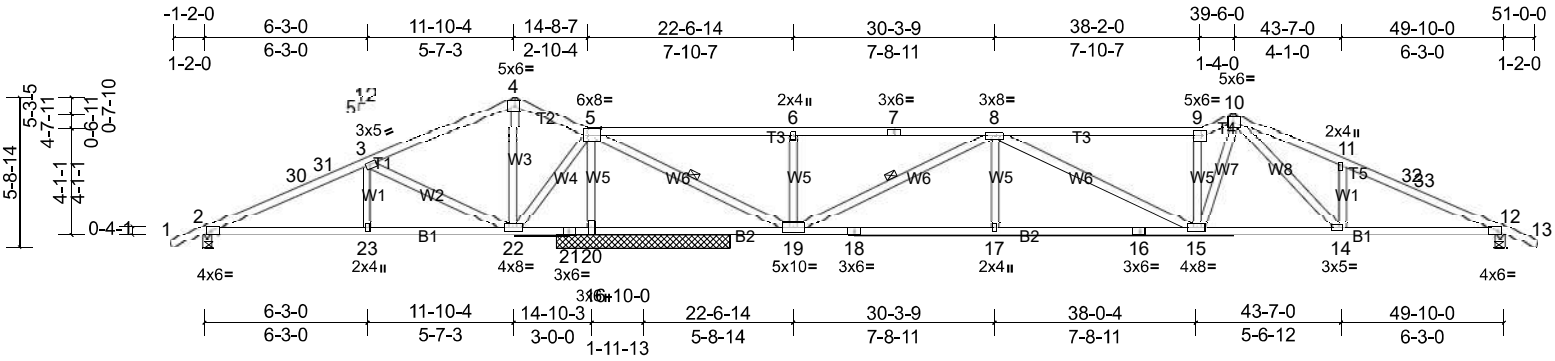

Scale = 1:88.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.36	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.39	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 257 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-19, 8-19

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

REACTIONS (lb/size) 2=129/0-4-0, (min. 0-1-8), 12=1034/0-4-8, (min. 0-1-8), 20=2239/6-8-0, (min. 0-2-10)
Max Horiz 2=167 (LC 15)
Max Uplift 2=-266 (LC 11), 12=-827 (LC 12), 20=-1511 (LC 12)
Max Grav 2=301 (LC 24), 12=1043 (LC 25), 20=2239 (LC 1)

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

TOP CHORD 2-30=-408/558, 30-31=-398/567, 3-31=-392/581, 3-4=-539/878, 4-5=-514/870, 5-6=-699/706, 6-7=-699/706, 7-8=-699/706, 8-9=-1889/1586, 9-10=-2113/1810, 10-11=-2091/1781, 11-32=-2039/1612, 32-33=-2047/1603, 12-33=-2084/1603

BOT CHORD 2-23=-515/602, 22-23=-515/602, 21-22=-1538/1249, 20-21=-1538/1249, 19-20=-1618/1309, 18-19=-1275/1839, 17-18=-1275/1839, 16-17=-1275/1839, 15-16=-1275/1839, 14-15=-1009/1540, 12-14=-1351/1892

WEBS 5-20=-2092/1560, 5-19=-1906/2502, 6-19=-368/507, 8-19=-1290/967, 9-15=-1033/1023, 10-15=-983/1205, 4-22=-753/510, 5-22=-762/1297, 3-22=-605/548, 11-14=-259/432, 10-14=-532/535

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 46-6-9 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 266 lb uplift at joint 2, 1511 lb uplift at joint 20 and 827 lb uplift at joint 12.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H14	Hip	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:32 — Page: 1

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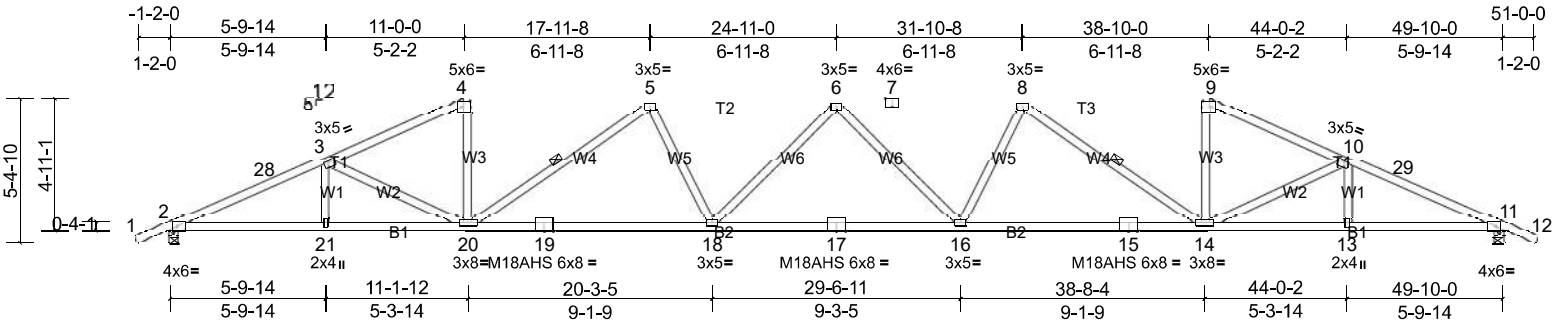


Scale = 1:86.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.99	16-18	>602	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-1.06	16-18	>565	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.27	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 248 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* B2:2x4 SP No.1D
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-20, 8-14

REACTIONS (lb/size) 2=1701/0-4-0, (min. 0-2-0), 11=1701/0-4-8, (min. 0-2-0)
Max Horiz 2=-157 (LC 12)
Max Uplift 2=-1131 (LC 11), 11=-1131 (LC 12)

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

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

TOP CHORD 2-28=-3781/2435, 3-28=-3726/2443, 3-4=-3377/2318, 4-5=-3108/2208, 5-6=-4278/3066, 6-7=-4278/3066, 7-8=-4278/3066, 8-9=-3108/2208, 9-10=-3377/2318, 10-29=-3722/2443, 11-29=-3781/2435

BOT CHORD 2-21=-2246/3450, 20-21=-2246/3450, 19-20=-2785/4105, 18-19=-2785/4105, 17-18=-3039/4436, 16-17=-3039/4436, 15-16=-2770/4105, 14-15=-2770/4105, 13-14=-2139/3450, 11-13=-2139/3450

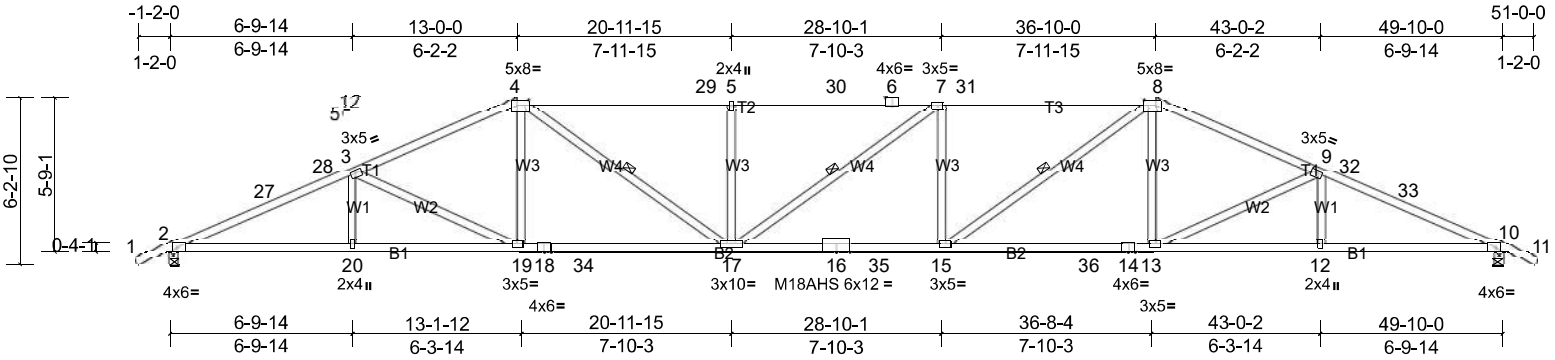
WEBS 3-20=-436/447, 4-20=-571/1010, 5-20=-1282/1002, 5-18=-226/427, 6-18=-275/449, 6-16=-275/449, 8-16=-226/427, 8-14=-1282/1002, 9-14=-571/1010, 10-14=-436/448

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 45-10-9 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1131 lb uplift at joint 2 and 1131 lb uplift at joint 11.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H15	Hip	2	1	Job Reference (optional)



Scale = 1:86.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	0.70	15-17	>851	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.89	15-17	>670	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.23	10	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 255 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T2,T3:2x4 SP No.1D
BOT CHORD 2x4 SP No.1D
WEBS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-17, 7-17, 8-15

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

REACTIONS (lb/size) 2=1701/0-4-0, (min. 0-1-15), 10=1701/0-4-8, (min. 0-1-15)
Max Horiz 2=-182 (LC 12)
Max Uplift 2=-1128 (LC 11), 10=-1128 (LC 12)
Max Grav 2=1916 (LC 2), 10=1920 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-27=-4252/2354, 27-28=-4216/2355, 3-28=-4180/2365, 3-4=-3683/2157, 4-29=-4260/2652, 5-29=-4260/2652, 5-30=-4260/2652, 6-30=-4260/2652, 6-7=-4260/2652, 7-31=-4277/2653, 8-31=-4277/2653, 8-9=-3693/2157, 9-32=-4190/2366, 32-33=-4226/2356, 10-33=-4262/2355
BOT CHORD 2-20=-2221/3897, 19-20=-2221/3897, 18-19=-1775/3371, 18-34=-1775/3371, 17-34=-1775/3371, 16-17=-2368/4277, 16-35=-2368/4277, 15-35=-2368/4277, 15-36=-1741/3380, 14-36=-1741/3380, 13-14=-1741/3380, 12-13=-2039/3906, 10-12=-2039/3906
WEBS 3-19=-595/549, 4-19=-142/536, 4-17=-758/1156, 5-17=-384/517, 7-17=-329/331, 7-15=-436/525, 8-15=-760/1165, 8-13=-142/534, 9-13=-596/550

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 43-10-9 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1128 lb uplift at joint 2 and 1128 lb uplift at joint 10.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H16	Hip	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:35 — Page: 1

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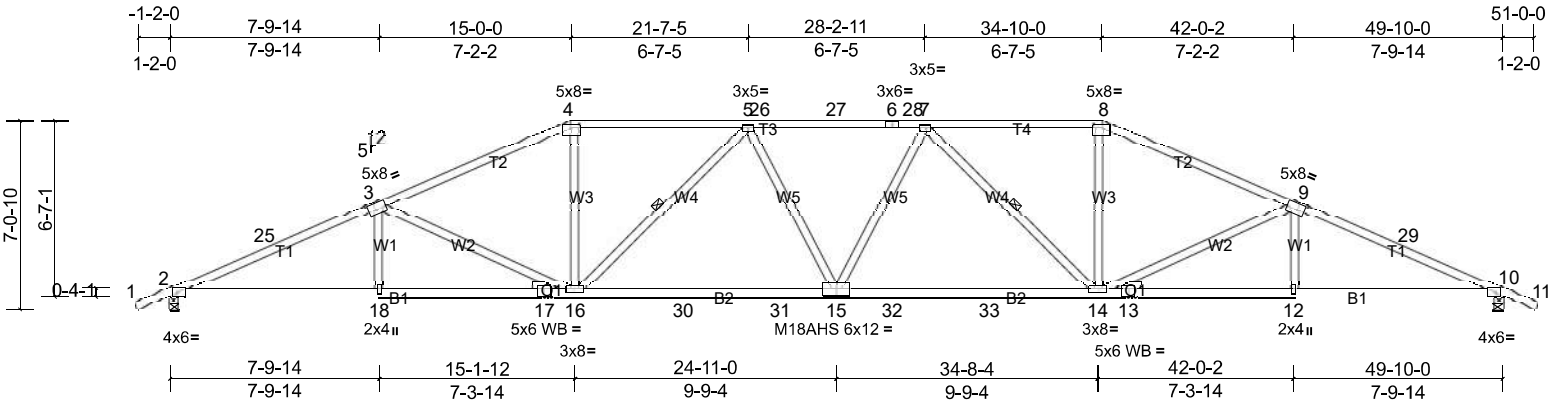

Scale = 1:86.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	0.62	15	>965	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.98	15-16	>613	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.23	10	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 255 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-16, 7-14

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

REACTIONS (lb/size) 2=1701/0-4-0, (min. 0-1-15), 10=1701/0-4-8, (min. 0-1-15)
Max Horiz 2=-208 (LC 12)
Max Uplift 2=-1125 (LC 11), 10=-1125 (LC 12)
Max Grav 2=1920 (LC 2), 10=1920 (LC 2)

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

TOP CHORD 2-25=-4215/2324, 3-25=-4180/2336, 3-4=-3527/1977, 4-5=-3227/1898, 5-26=-3824/2222, 26-27=-3824/2222, 6-27=-3824/2222, 6-28=-3824/2222, 7-28=-3824/2222, 7-8=-3227/1898, 8-9=-3527/1977, 9-29=-4180/2337, 10-29=-4215/2325

BOT CHORD 2-18=-2211/3862, 17-18=-2208/3874, 16-17=-2208/3874, 16-30=-1945/3710, 30-31=-1945/3710, 15-31=-1945/3710, 15-32=-1935/3710, 32-33=-1935/3710, 14-33=-1935/3710, 13-14=-2000/3874, 12-13=-2000/3874, 10-12=-2003/3862

WEBS 3-18=0/283, 3-16=-735/679, 4-16=-415/1085, 5-16=-763/536, 5-15=-146/408, 7-15=-146/408, 7-14=-763/536, 8-14=-414/1085, 9-14=-735/680, 9-12=0/283

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 42-1-15 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1125 lb uplift at joint 2 and 1125 lb uplift at joint 10.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H17	Hip	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:36 — Page: 1

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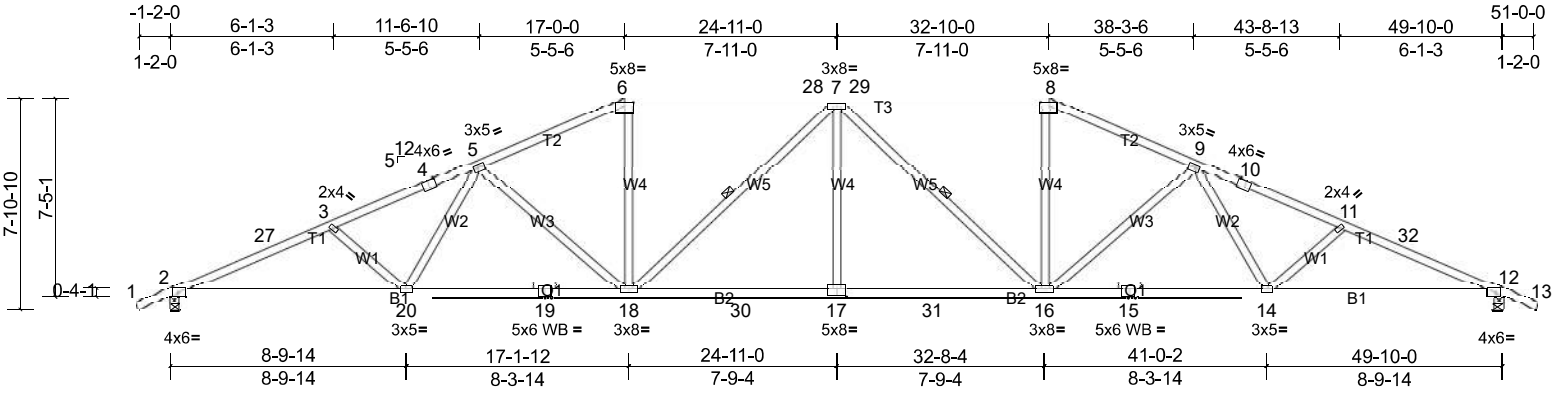

Scale = 1:86.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	0.55	17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.77	17-18	>779	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.22	12	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 267 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 7-18, 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=1701/0-4-0, (min. 0-1-15), 12=1701/0-4-8, (min. 0-1-15)
Max Horiz 2=-234 (LC 12)
Max Uplift 2=-1121 (LC 11), 12=-1121 (LC 12)
Max Grav 2=1919 (LC 2), 12=1919 (LC 2)

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

TOP CHORD 2-27=-4243/2387, 3-27=-4205/2396, 3-4=-4066/2218, 4-5=-4012/2227, 5-6=-3305/1864, 6-28=-3035/1794, 7-28=-3035/1794, 7-29=-3035/1794, 8-29=-3035/1794, 8-9=-3305/1864, 9-10=-4012/2227, 10-11=-4066/2218, 11-32=-4205/2397, 12-32=-4243/2388

BOT CHORD 2-20=-2312/3897, 19-20=-1885/3453, 18-19=-1885/3453, 18-30=-1627/3410, 17-30=-1627/3410, 17-31=-1627/3410, 16-31=-1627/3410, 15-16=-1701/3453, 14-15=-1701/3453, 12-14=-2079/3897

WEBS 3-20=-287/429, 5-20=-215/536, 5-18=-582/575, 6-18=-397/1017, 7-18=-616/466, 7-17=0/429, 7-16=-616/465, 8-16=-397/1017, 9-16=-582/576, 9-14=-215/536, 11-14=-287/430

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 39-10-9 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 1121 lb uplift at joint 2 and 1121 lb uplift at joint 12.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H18	Hip	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:38 — Page: 1

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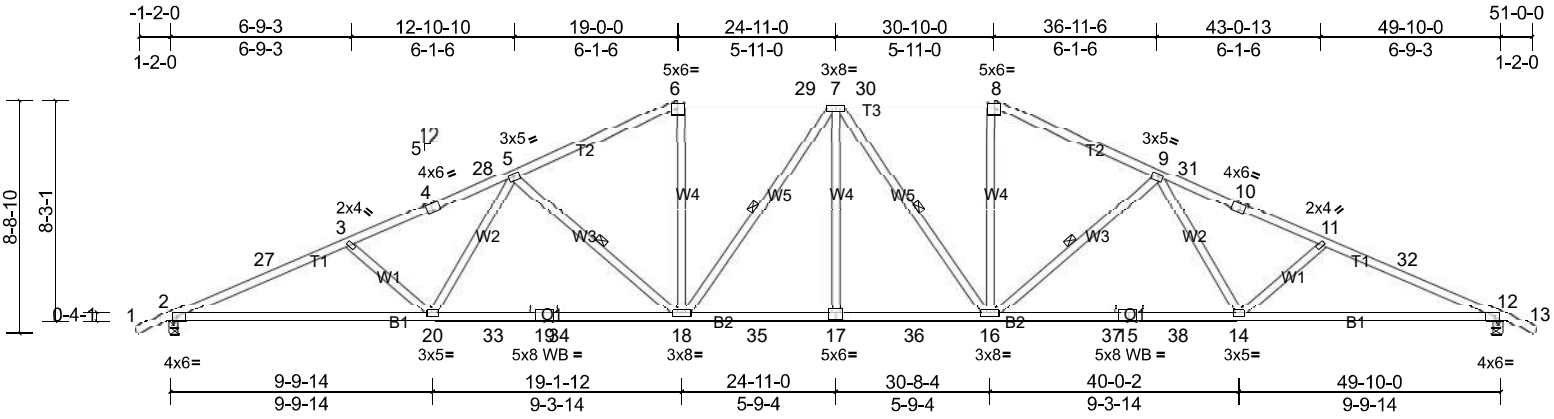

Scale = 1:86.3

Plate Offsets (X, Y): [4:0-3-0,Edge], [6:0-3-0,0-2-4], [8:0-3-0,0-2-4], [10:0-3-0,Edge], [17:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.50	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.81	18-20	>736	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.22	12	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 276 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
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=1701/0-4-0, (min. 0-1-15), 12=1701/0-4-8, (min. 0-1-15)
Max Horiz 2=-259 (LC 12)
Max Uplift 2=-1118 (LC 11), 12=-1118 (LC 12)
Max Grav 2=1947 (LC 2), 12=1947 (LC 2)

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

TOP CHORD 2-27=-4276/2351, 3-27=-4239/2361, 3-4=-4076/2159, 4-28=-4029/2160, 5-28=-3994/2170, 5-6=-3166/1791, 6-29=-2896/1730, 7-29=-2896/1730, 7-30=-2896/1730, 8-30=-2896/1730, 8-9=-3166/1791, 9-31=-3994/2170, 10-31=-4029/2160, 10-11=-4076/2160, 11-32=-4239/2362, 12-32=-4276/2352

BOT CHORD 2-20=-2296/3926, 20-33=-1815/3401, 19-33=-1815/3401, 19-34=-1815/3401, 18-34=-1815/3401, 18-35=-1323/3056, 17-35=-1323/3056, 17-36=-1323/3056, 16-36=-1323/3056, 16-37=-1635/3401, 15-37=-1635/3401, 15-38=-1635/3401, 14-38=-1635/3401, 12-14=-2037/3926

WEBS 3-20=-325/482, 5-20=-241/647, 5-18=-693/667, 6-18=-393/982, 7-18=-387/360, 7-17=0/253, 7-16=-387/360, 8-16=-392/982, 9-16=-693/668, 9-14=-242/647, 11-14=-325/483

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 37-10-9 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 1118 lb uplift at joint 2 and 1118 lb uplift at joint 12.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H19	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:40 — Page: 1

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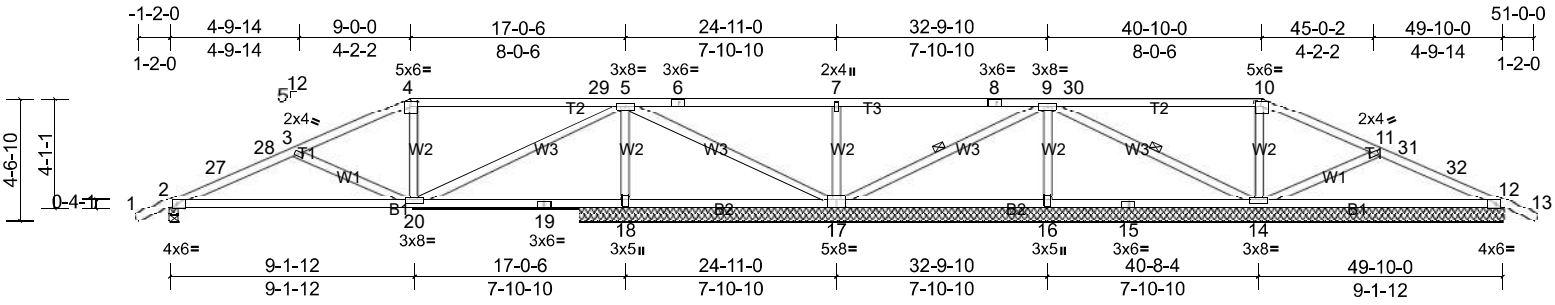

Scale = 1:86.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	0.08	20-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.17	20-23	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	-0.01	18	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 244 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 9-17, 9-14

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

REACTIONS All bearings 34-6-0. except 2=0-4-0

(lb) - Max Horiz 2=-131 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-440 (LC 11), 12=-246 (LC 12), 14=-532 (LC 12), 16=-327 (LC 7), 17=-471 (LC 8), 18=-714 (LC 11), 24=-246 (LC 12)

Max Grav All reactions 250 (lb) or less at joint(s) except 2=557 (LC 24), 12=298 (LC 25), 14=641 (LC 25), 16=490 (LC 24), 17=526 (LC 25), 18=928 (LC 24), 24=298 (LC 25)

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

TOP CHORD	2-27=-876/707, 27-28=-860/709, 3-28=-820/716, 3-4=-610/466, 4-29=-556/487, 5-29=-556/487
BOT CHORD	2-20=-678/798
WEBS	3-20=-314/382, 5-20=-583/788, 5-18=-773/804, 7-17=-346/473, 9-16=-337/420, 10-14=-306/391, 11-14=-322/389

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 47-10-9 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 440 lb uplift at joint 2, 713 lb uplift at joint 18, 471 lb uplift at joint 17, 327 lb uplift at joint 16, 531 lb uplift at joint 14, 245 lb uplift at joint 12 and 245 lb uplift at joint 12.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	H20	Hip	11	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:41 — Page: 1

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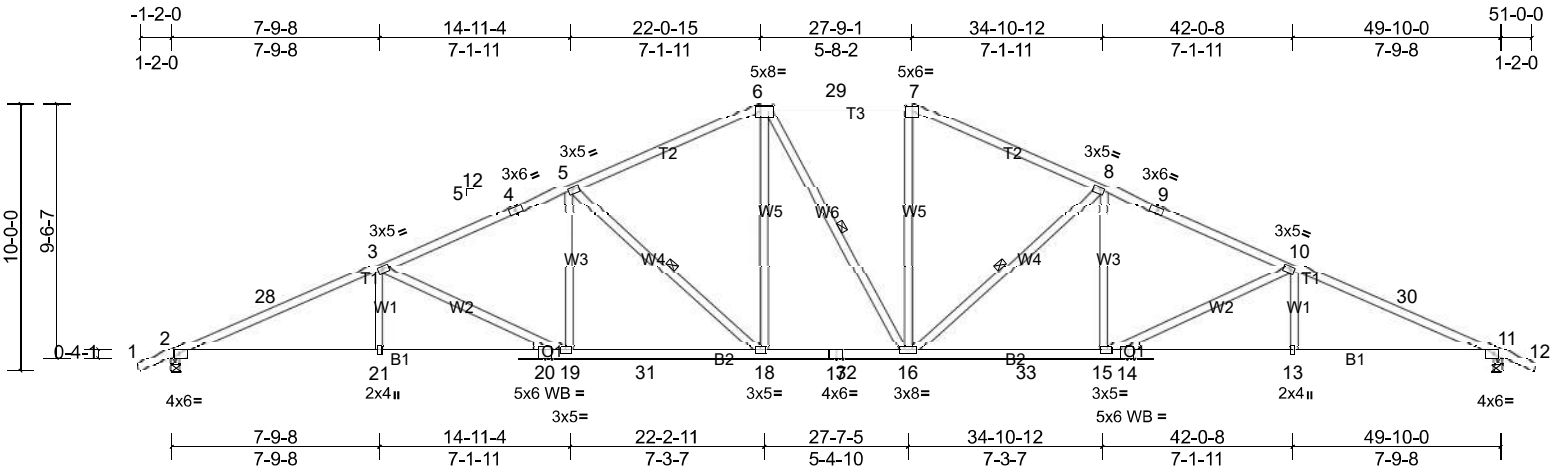


Scale = 1:86.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	0.50	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.73	18-19	>823	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.22	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 279 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
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=1712/0-4-0, (min. 0-1-15), 11=1712/0-4-0, (min. 0-1-15)
Max Horiz 2=-299 (LC 12)
Max Uplift 2=-1104 (LC 11), 11=-1104 (LC 12)
Max Grav 2=1944 (LC 2), 11=1942 (LC 2)

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

TOP CHORD 2-28=-4275/2251, 3-28=-4239/2264, 3-4=-3600/1903, 4-5=-3506/1924, 5-6=-2865/1649, 6-29=-2601/1609, 7-29=-2601/1609, 7-8=-2860/1649, 8-9=-3500/1924, 9-10=-3594/1903, 10-30=-4234/2265, 11-30=-4269/2252

BOT CHORD 2-21=-2229/3915, 20-21=-2229/3915, 19-20=-2229/3915, 19-31=-1662/3275, 18-31=-1662/3275, 17-18=-1096/2605, 17-32=-1096/2605, 16-32=-1096/2605, 16-33=-1481/3269, 15-33=-1481/3269, 14-15=-1932/3910, 13-14=-1932/3910, 11-13=-1932/3910

WEBS 3-21=0/296, 3-19=-709/624, 5-19=-165/589, 5-18=-900/758, 6-18=-421/845, 7-16=-348/834, 8-16=-898/758, 8-15=-165/588, 10-15=-709/626, 10-13=0/296

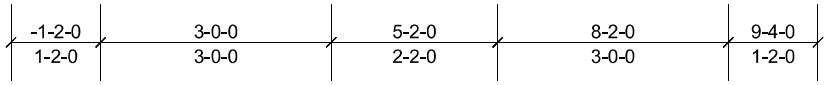
NOTES

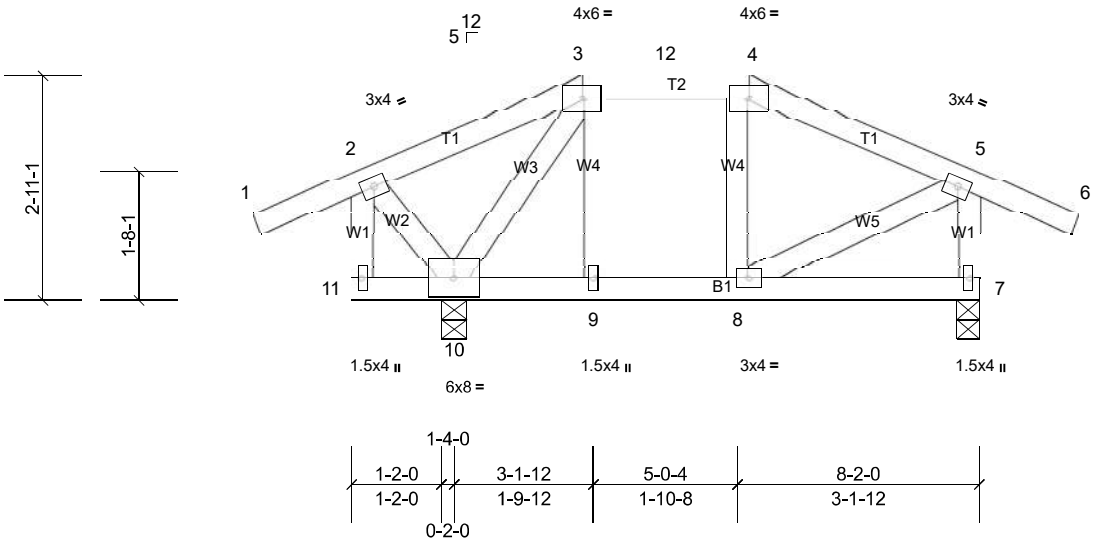
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 34-10-12 to 51-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 1104 lb uplift at joint 2 and 1104 lb uplift at joint 11.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 45 lb up at 24-11-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-6=-46, 6-7=-46, 7-12=-46, 22-25=-20
   Concentrated Loads (lb)
   Vert: 29=-23

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	HGR01	Hip Girder	1	1	Job Reference (optional)





Scale = 1:30

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.02	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.02	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 51 lb	FT = 20%

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

REACTIONS (lb/size) 7=294/0-3-8, (min. 0-1-8), 10=433/0-4-0, (min. 0-1-8)
Max Horiz 10=88 (LC 6)
Max Uplift 7=-381 (LC 4), 10=-576 (LC 3)
Max Grav 7=306 (LC 21), 10=434 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-12=-139/290, 4-12=-139/290, 4-5=-185/293, 5-7=-265/383
WEBS 3-10=-375/550

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: 10-11.

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 381 lb uplift at joint 7 and 576 lb uplift at joint 10.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 39 lb down and 96 lb up at 3-0-0, and 181 lb down and 212 lb up at 5-2-0 on top chord, and 75 lb down and 165 lb up at 3-0-0, and 56 lb down and 96 lb up at 5-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-2=-46, 2-3=-46, 3-4=-46, 4-5=-46, 5-6=-46, 7-11=-20
Concentrated Loads (lb)
Vert: 3=-5, 4=-8, 9=-55, 8=-14

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	HGR02	Roof Special Girder	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:20:44 — Page: 1

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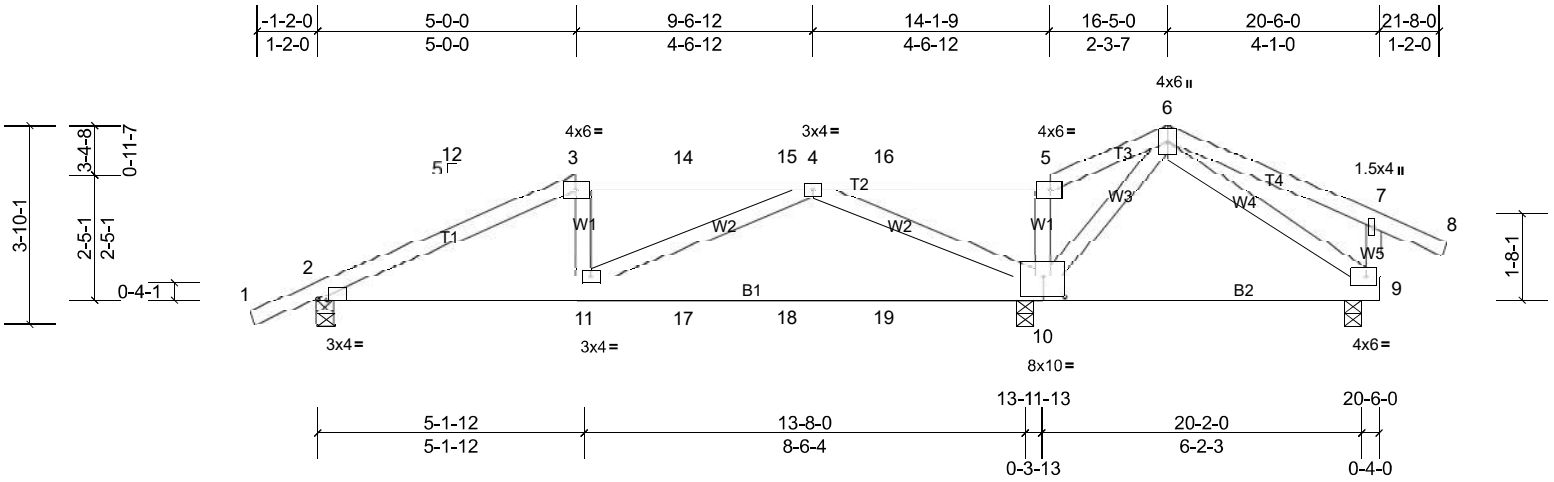

Scale = 1:44.5

Plate Offsets (X, Y): [2:0-2-9,Edge], [10:0-5-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.08	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.10	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	-0.02	10	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 116 lb	FT = 20%

LUMBER

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

BRACING

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

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

REACTIONS (lb/size) 2=667/0-4-0, (min. 0-1-8), 9=94/0-4-0, (min. 0-1-8), 10=1182/0-4-0, (min. 0-1-8)
Max Horiz 2=117 (LC 7)
Max Uplift 2=-598 (LC 7), 9=-259 (LC 27), 10=-962 (LC 7)
Max Grav 2=667 (LC 1), 9=155 (LC 19), 10=1182 (LC 1)

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

TOP CHORD	2-3=-1286/1081, 3-14=-1165/1048, 14-15=-1165/1048, 4-15=-1165/1048, 4-16=-425/453, 5-16=-425/453, 5-6=-416/504, 7-9=-169/258
BOT CHORD	2-11=-989/1155, 11-17=-806/753, 17-18=-806/753, 18-19=-806/753, 10-19=-806/753
WEBS	4-11=-197/457, 4-10=-1324/1425, 6-10=-519/470

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 598 lb uplift at joint 2, 962 lb uplift at joint 10 and 259 lb uplift at joint 9.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 203 lb down and 299 lb up at 5-0-0, 86 lb down and 129 lb up at 7-0-12, and 86 lb down and 129 lb up at 9-0-12, and 86 lb down and 129 lb up at 10-11-4 on top chord, and 89 lb down and 49 lb up at 5-0-0, 36 lb down and 14 lb up at 7-0-12, and 36 lb down and 14 lb up at 9-0-12, and 36 lb down and 14 lb up at 10-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-3=-46, 3-5=-46, 5-6=-46, 6-7=-46, 7-8=-46, 2-9=-20
   Concentrated Loads (lb)
   Vert: 3=-125, 11=-86, 14=-54, 15=-54, 16=-54, 17=-36, 18=-36, 19=-36

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	HGR03	Hip Girder	1	1	Job Reference (optional)

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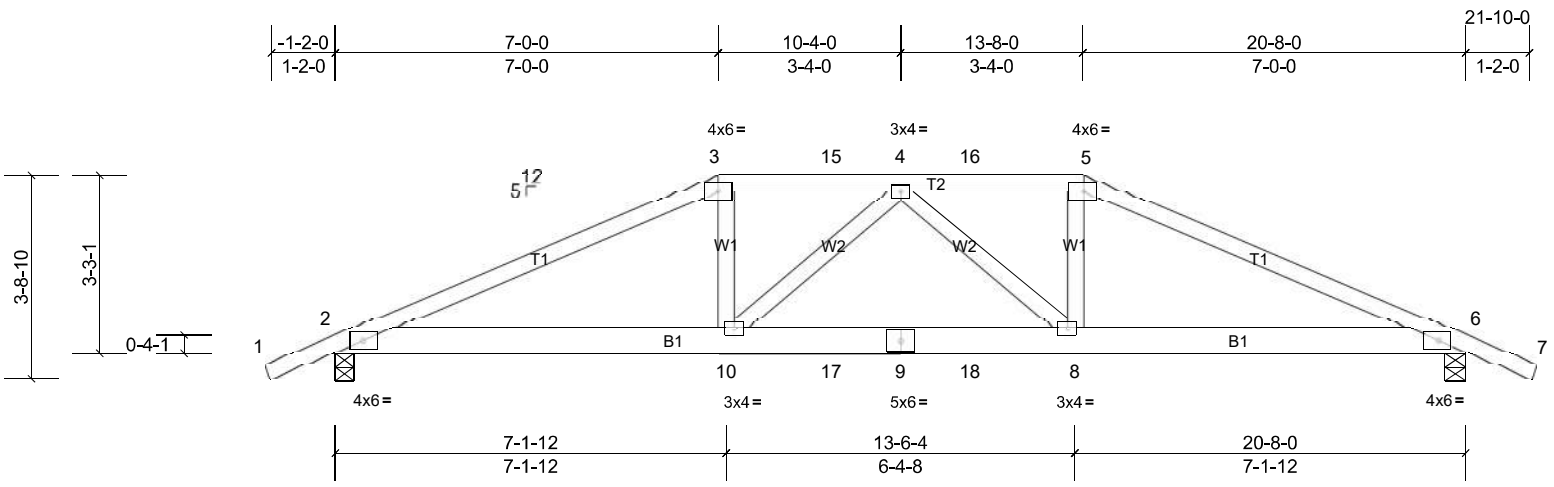

Scale = 1:42.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.86	Vert(LL)	0.23	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.25	8-10	>988	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.19	Horz(CT)	-0.07	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 104 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 4-9-12 oc bracing.

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

REACTIONS (lb/size) 2=1400/0-4-0, (min. 0-1-10), 6=1418/0-4-8, (min. 0-1-11)
Max Horiz 2=106 (LC 26)
Max Uplift 2=-1059 (LC 7), 6=-1065 (LC 8)

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

TOP CHORD	2-3=-3046/2190, 3-15=-2802/2116, 4-15=-2802/2116, 4-16=-2843/2126, 5-16=-2843/2126, 5-6=-3092/2205
BOT CHORD	2-10=-1963/2761, 10-17=-2225/3032, 9-17=-2225/3032, 9-18=-2225/3032, 8-18=-2225/3032, 6-8=-1908/2804
WEBS	3-10=-429/821, 5-8=-370/776, 4-10=-392/489, 4-8=-326/401

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 1059 lb uplift at joint 2 and 1065 lb uplift at joint 6.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 115 lb down and 168 lb up at 7-0-0, 100 lb down and 168 lb up at 9-0-12, 100 lb down and 164 lb up at 10-4-0, and 100 lb down and 168 lb up at 11-7-4, and 193 lb down and 305 lb up at 13-8-0 on top chord, and 306 lb down and 204 lb up at 7-0-0, 58 lb down at 9-0-12, 58 lb down at 10-4-0, and 58 lb down at 11-7-4, and 306 lb down and 204 lb up at 13-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-3=-46, 3-5=-46, 5-7=-46, 2-6=-20
   Concentrated Loads (lb)
   Vert: 3=-100, 5=-155, 9=-58, 10=-306, 8=-306, 4=-100, 15=-100, 16=-100, 17=-58, 18=-58

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	HGR05	Hip Girder	1	2	Job Reference (optional)

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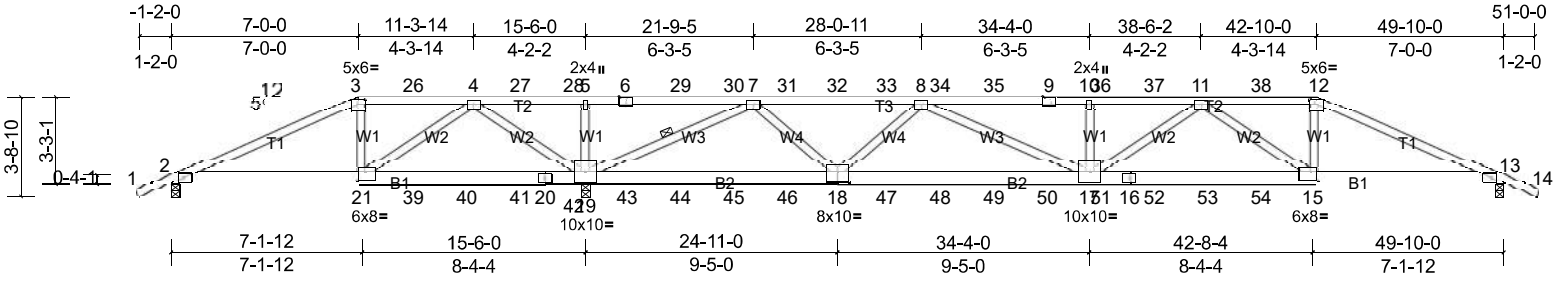

Scale = 1:86.2

Plate Offsets (X, Y): [3:0-3-0,0-2-4], [6:0-3-0,Edge], [9:0-3-0,Edge], [12:0-3-0,0-2-4], [15:0-3-8,0-4-0], [18:0-5-0,0-4-8], [21:0-3-8,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.51	17-18	>811	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.41	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	-0.06	13	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 542 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-11-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 7-19

REACTIONS (lb/size) 2=56/0-4-0, (min. 0-1-8), 13=1948/0-3-8, (min. 0-1-8), 19=5006/0-4-0, (min. 0-2-15)
Max Horiz 2=106 (LC 26)
Max Uplift 2=-313 (LC 26), 13=-1940 (LC 4), 19=-4420 (LC 3)
Max Grav 2=203 (LC 4), 13=1951 (LC 21), 19=5006 (LC 1)

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

TOP CHORD 2-3=-1021/657, 3-26=-800/621, 4-26=-800/621, 4-27=-4196/4555, 27-28=-4196/4555, 5-28=-4196/4555, 5-6=-4196/4555, 6-29=-4196/4555, 29-30=-4196/4555, 7-30=-4196/4555, 7-31=-2558/2455, 31-32=-2558/2455, 32-33=-2558/2455, 8-33=-2558/2455, 8-34=-5488/5284, 34-35=-5488/5284, 9-35=-5488/5284, 9-10=-5488/5284, 10-36=-5488/5284, 36-37=-5488/5284, 11-37=-5488/5284, 11-38=-4173/4128, 12-38=-4173/4128, 12-13=-4505/4351

BOT CHORD 2-21=-594/957, 21-39=-2300/2324, 39-40=-2300/2324, 40-41=-2300/2324, 20-41=-2300/2324, 20-42=-2300/2324, 19-42=-2300/2324, 19-43=-648/630, 43-44=-648/630, 44-45=-648/630, 45-46=-648/630, 18-46=-648/630, 18-47=-3836/4001, 47-48=-3836/4001, 48-49=-3836/4001, 49-50=-3836/4001, 17-50=-3836/4001, 17-51=-4911/5118, 16-51=-4911/5118, 16-52=-4911/5118, 52-53=-4911/5118, 53-54=-4911/5118, 15-54=-4911/5118, 13-15=-3894/4108

WEBS 3-21=-644/880, 12-15=-1136/1280, 5-19=-565/728, 4-19=-2768/2497, 4-21=-1633/2136, 10-17=-499/675, 11-17=-241/484, 11-15=-1206/1166, 7-18=-2217/2622, 7-19=-5673/5505, 8-18=-1962/2110, 8-17=-1401/1642

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Web 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 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are 4x6 MT20 unless otherwise indicated.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2, 4420 lb uplift at joint 19 and 1940 lb uplift at joint 13.

Continued on page 23

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 193 lb down and 305 lb up at 7-0-0, 100 lb down and 168 lb up at 9-0-12, 100 lb down and 168 lb up at 11-0-12, 100 lb down and 168 lb up at 13-0-12, 100 lb down and 168 lb up at 15-0-12, 100 lb down and 168 lb up at 17-0-12, 100 lb down and 168 lb up at 19-0-12, 100 lb down and 168 lb up at 21-0-12, 100 lb down and 168 lb up at 23-0-12, 100 lb down and 164 lb up at 24-11-0, 100 lb down and 168 lb up at 26-9-4, 100 lb down and 168 lb up at 28-9-4, 100 lb down and 168 lb up at 30-9-4, 100 lb down and 168 lb up at 32-9-4, 100 lb down and 168 lb up at 34-9-4, 100 lb down and 168 lb up at 36-9-4, 100 lb down and 168 lb up at 38-9-4, and 100 lb down and 168 lb up at 40-9-4, and 193 lb down and 304 lb up at 42-10-0 on top chord, and 306 lb down and 204 lb up at 7-0-0, 58 lb down at 9-0-12, 58 lb down at 11-0-12, 58 lb down at 13-0-12, 58 lb down at 15-0-12, 59 lb down at 17-0-12, 59 lb down at 19-0-12, 59 lb down at 21-0-12, 59 lb down at 23-0-12, 59 lb down at 24-11-0, 59 lb down at 26-9-4, 59 lb down at 28-9-4, 59 lb down at 30-9-4, 59 lb down at 32-9-4, 59 lb down at 34-9-4, 59 lb down at 36-9-4, 59 lb down at 38-9-4, and 59 lb down at 40-9-4, and 311 lb down and 317 lb up at 42-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-3=-46, 3-12=-46, 12-14=-46, 2-13=-20
   Concentrated Loads (lb)
   Vert: 3=-155, 6=-100, 12=-155, 21=-306, 15=-306, 4=-100, 11=-100, 18=-58, 9=-100, 26=-100, 27=-100, 28=-100, 29=-100, 30=-100, 31=-100, 32=-100, 33=-100, 34=-100, 35=-100, 36=-100, 37=-100, 38=-100, 39=-58, 40=-58, 41=-58, 42=-58, 43=-58, 44=-58, 45=-58, 46=-58, 47=-58, 48=-58, 49=-58, 50=-58, 51=-58, 52=-58, 53=-58, 54=-58

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	HGR06	Roof Special Girder	1	1	Job Reference (optional)

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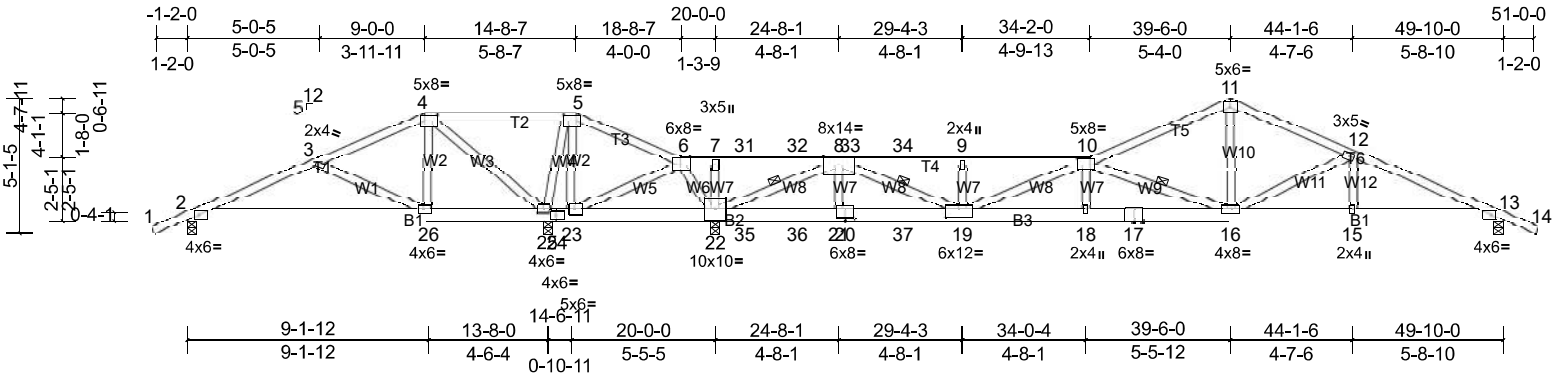


Scale = 1:87.3

Plate Offsets (X, Y): [4:0-5-12,0-2-8], [5:0-5-12,0-2-8], [6:0-4-0,Edge], [10:0-5-12,0-3-0], [19:0-5-12,0-4-0], [20:0-4-0,0-1-4], [24:0-2-13,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	0.56	18-19	>642	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.56	18-19	>643	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 292 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2 *Except* T4:2x4 SP No.1D
BOT CHORD	2x6 SP No.2 *Except* B2:2x6 SP No.1D
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-1-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-0-8 oc bracing.
WEBS	1 Row at midpt 10-16, 8-22, 8-19

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

REACTIONS All bearings 0-4-0. except 13=0-4-8

(lb) - Max Horiz 2=148 (LC 26)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-309 (LC 26), 13=-749 (LC 8), 22=-2690 (LC 7), 25=-489 (LC 26)

Max Grav All reactions 250 (lb) or less at joint(s) except 2=328 (LC 20), 13=1128 (LC 1), 22=3651 (LC 1), 25=514 (LC 18)

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

TOP CHORD 2-3=-287/381, 4-5=-481/725, 5-6=-687/978, 6-7=-3021/4245, 7-31=-3021/4245, 31-32=-3021/4245, 8-32=-3021/4245, 8-33=-3916/2866, 33-34=-3916/2866, 9-34=-3916/2866, 9-10=-3916/2866, 10-11=-1993/1278, 11-12=-1991/1318, 12-13=-2389/1481

BOT CHORD 2-26=-382/260, 25-26=-78/325, 24-25=-917/755, 23-24=-917/755, 22-23=-3627/2613, 22-35=-435/403, 35-36=-435/403, 21-36=-435/403, 20-21=-435/403, 20-37=-435/403, 19-37=-435/403, 18-19=-2877/4201, 17-18=-2883/4196, 16-17=-2883/4196, 15-16=-1236/2180, 13-15=-1236/2180

WEBS 3-26=-282/402, 4-26=-108/329, 6-22=-1155/823, 7-22=-360/440, 11-16=-743/1264, 10-16=-2567/1950, 12-16=-444/454, 5-25=-542/712, 4-25=-901/674, 5-23=-1252/1001, 6-23=-2116/3077, 10-19=-697/614, 8-22=-4996/3725, 8-19=-2702/3913, 9-19=-239/342

NOTES

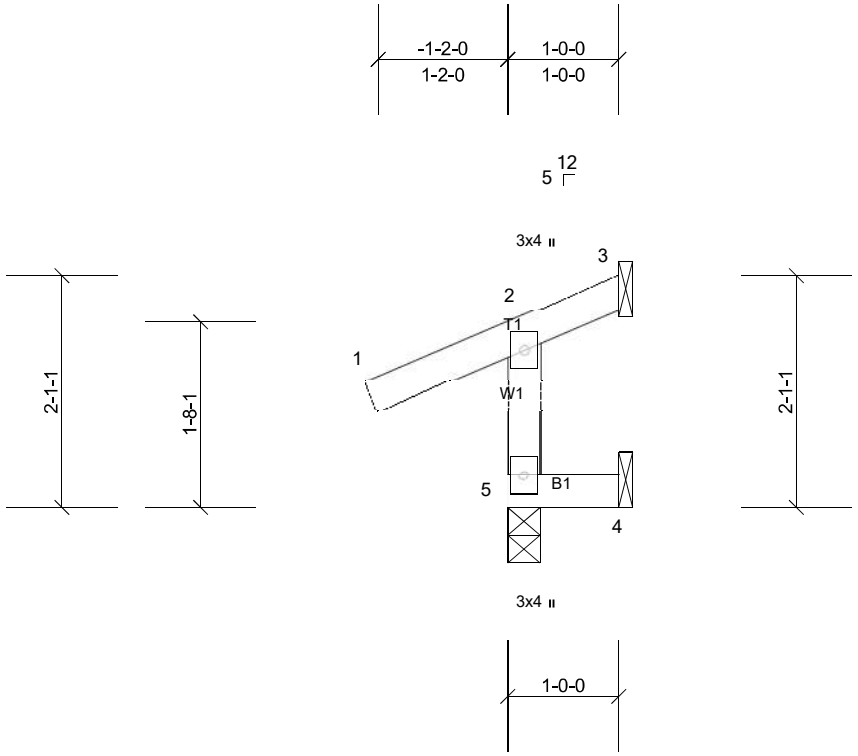
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 308 lb uplift at joint 2, 2690 lb uplift at joint 22, 488 lb uplift at joint 25 and 749 lb uplift at joint 13.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 129 lb up at 21-1-4, 86 lb down and 129 lb up at 23-1-4, and 86 lb down and 129 lb up at 25-1-4, and 86 lb down and 129 lb up at 27-1-4 on top chord, and 36 lb down and 14 lb up at 21-1-4, 36 lb down and 14 lb up at 23-1-4, 36 lb down and 14 lb up at 25-1-4, and 36 lb down and 14 lb up at 27-1-4, and 1116 lb down and 792 lb up at 29-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-4=-46, 4-5=-46, 5-6=-46, 6-10=-46, 10-11=-46, 11-14=-46, 2-13=-20
   Concentrated Loads (lb)
   Vert: 20=-36, 19=-1116, 31=-54, 32=-54, 33=-54, 34=-54, 35=-36, 36=-36, 37=-36

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	HGR06	Roof Special Girder	1	1	Job Reference (optional)

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J01	Jack-Open	4	1	Job Reference (optional)



Scale = 1:20.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MR							Weight: 7 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 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.

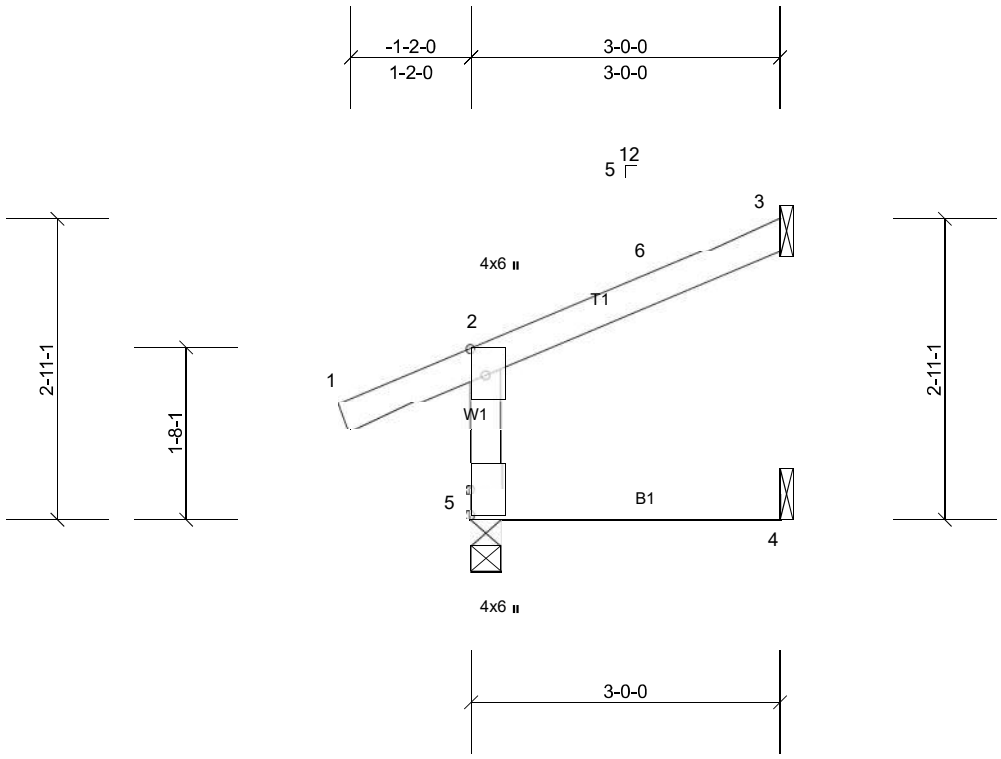
REACTIONS (lb/size) 3=-24/ Mechanical, (min. 0-1-8), 4=0/ Mechanical, (min. 0-1-8), 5=142/0-3-8, (min. 0-1-8)
Max Horiz 5=91 (LC 8)
Max Uplift 3=-35 (LC 8), 4=-50 (LC 8), 5=-121 (LC 7)
Max Grav 3=17 (LC 9), 4=22 (LC 9), 5=142 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-144/346

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 5, 35 lb uplift at joint 3 and 50 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J02	Jack-Open	2	1	Job Reference (optional)



Scale = 1:22.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MR							Weight: 13 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 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.

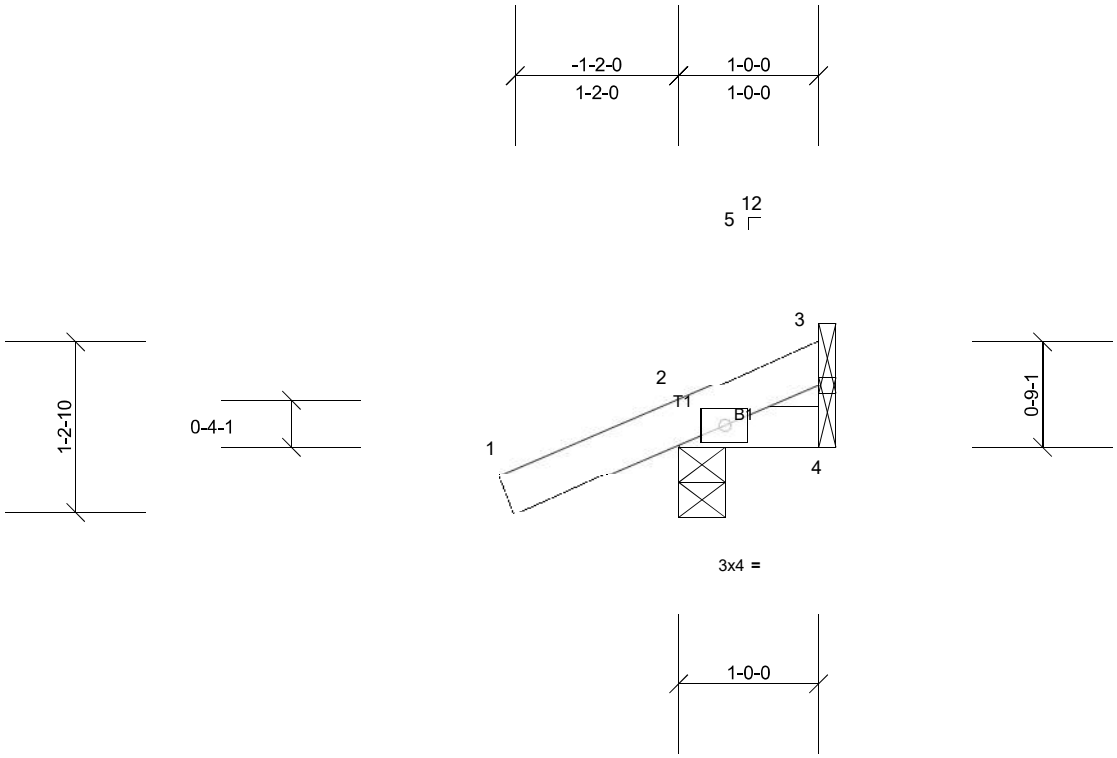
REACTIONS (lb/size) 3=51/ Mechanical, (min. 0-1-8), 4=26/ Mechanical, (min. 0-1-8), 5=171/0-3-8, (min. 0-1-8)
Max Horiz 5=130 (LC 8)
Max Uplift 3=-107 (LC 11), 4=-14 (LC 8), 5=-106 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-159/361

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 1-9-5 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 5, 107 lb uplift at joint 3 and 14 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J15F	Jack-Open	8	1	Job Reference (optional)



Scale = 1:16.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 5 lb	FT = 20%

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

REACTIONS (lb/size) 2=124/0-4-0, (min. 0-1-8), 3=3/ Mechanical, (min. 0-1-8), 4=-5/ Mechanical, (min. 0-1-8)
Max Horiz 2=60 (LC 11)
Max Uplift 2=-150 (LC 7), 3=-2 (LC 11), 4=-5 (LC 1)
Max Grav 2=124 (LC 1), 3=10 (LC 7), 4=28 (LC 7)

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

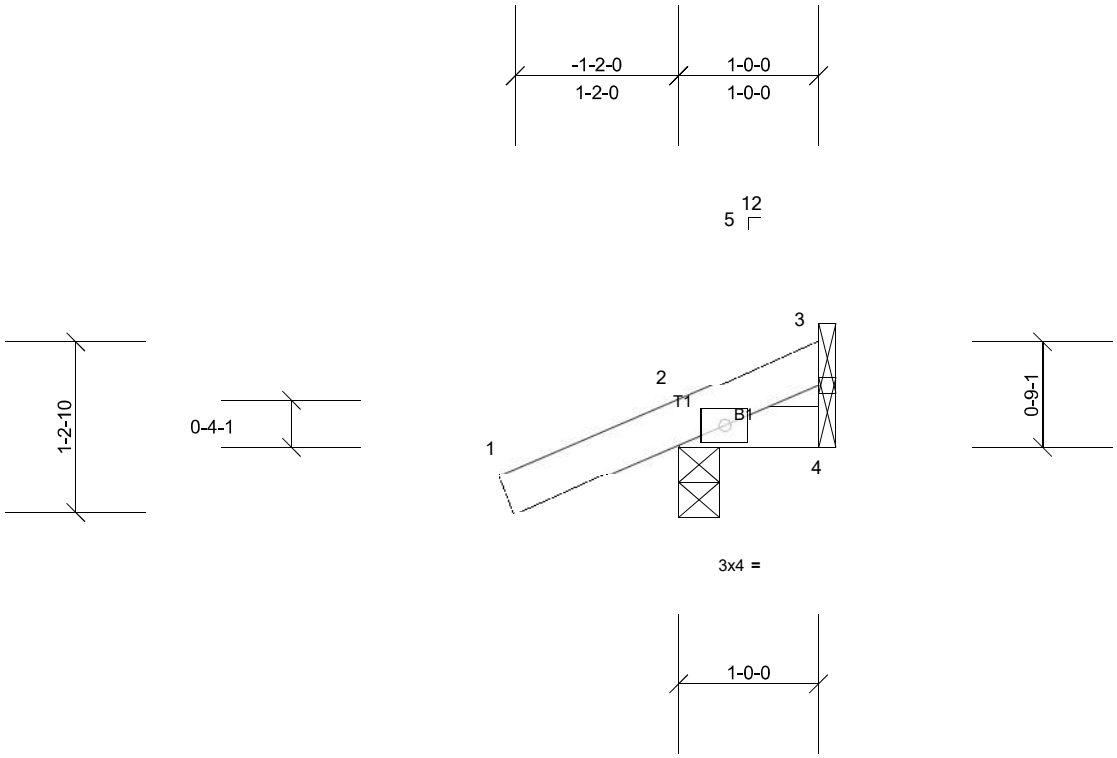
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 3, 150 lb uplift at joint 2 and 5 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J15PF	Jack-Open	2	1	Job Reference (optional)



Scale = 1:16.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 5 lb	FT = 20%

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

REACTIONS (lb/size) 2=124/0-3-8, (min. 0-1-8), 3=3/ Mechanical, (min. 0-1-8), 4=-5/ Mechanical, (min. 0-1-8)
Max Horiz 2=60 (LC 11)
Max Uplift 2=-150 (LC 7), 3=-2 (LC 11), 4=-5 (LC 1)
Max Grav 2=124 (LC 1), 3=10 (LC 7), 4=28 (LC 7)

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

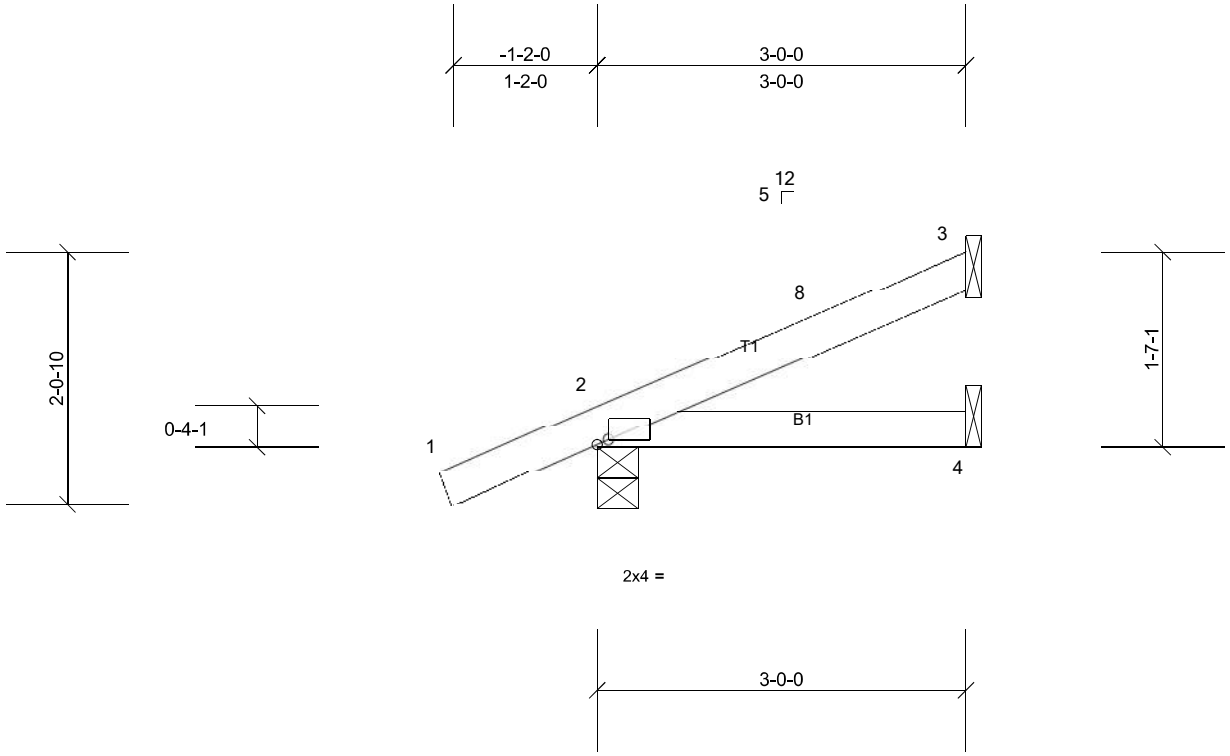
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 3, 150 lb uplift at joint 2 and 5 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J35F	Jack-Open	8	1	Job Reference (optional)



Scale = 1:18.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 11 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 2=165/0-4-0, (min. 0-1-8), 3=54/ Mechanical, (min. 0-1-8), 4=32/ Mechanical, (min. 0-1-8)
Max Horiz 2=118 (LC 11)
Max Uplift 2=-135 (LC 11), 3=-77 (LC 11), 4=-1 (LC 11)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 1-9-5 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 3, 135 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J35PF	Jack-Open	2	1	Job Reference (optional)

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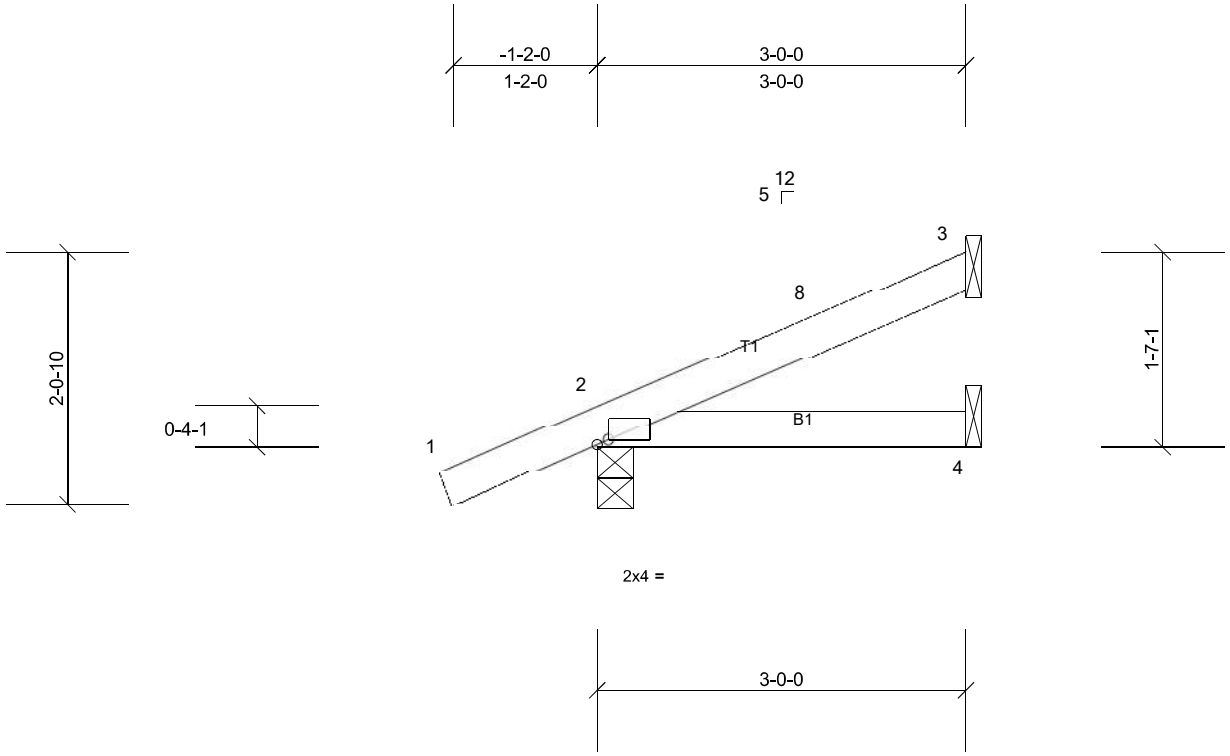

Scale = 1:18.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 11 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 2=165/0-3-8, (min. 0-1-8), 3=54/ Mechanical, (min. 0-1-8), 4=32/ Mechanical, (min. 0-1-8)
Max Horiz 2=118 (LC 11)
Max Uplift 2=-135 (LC 11), 3=-77 (LC 11), 4=-1 (LC 11)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 1-9-5 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 3, 135 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J55F	Jack-Open	14	1	Job Reference (optional)

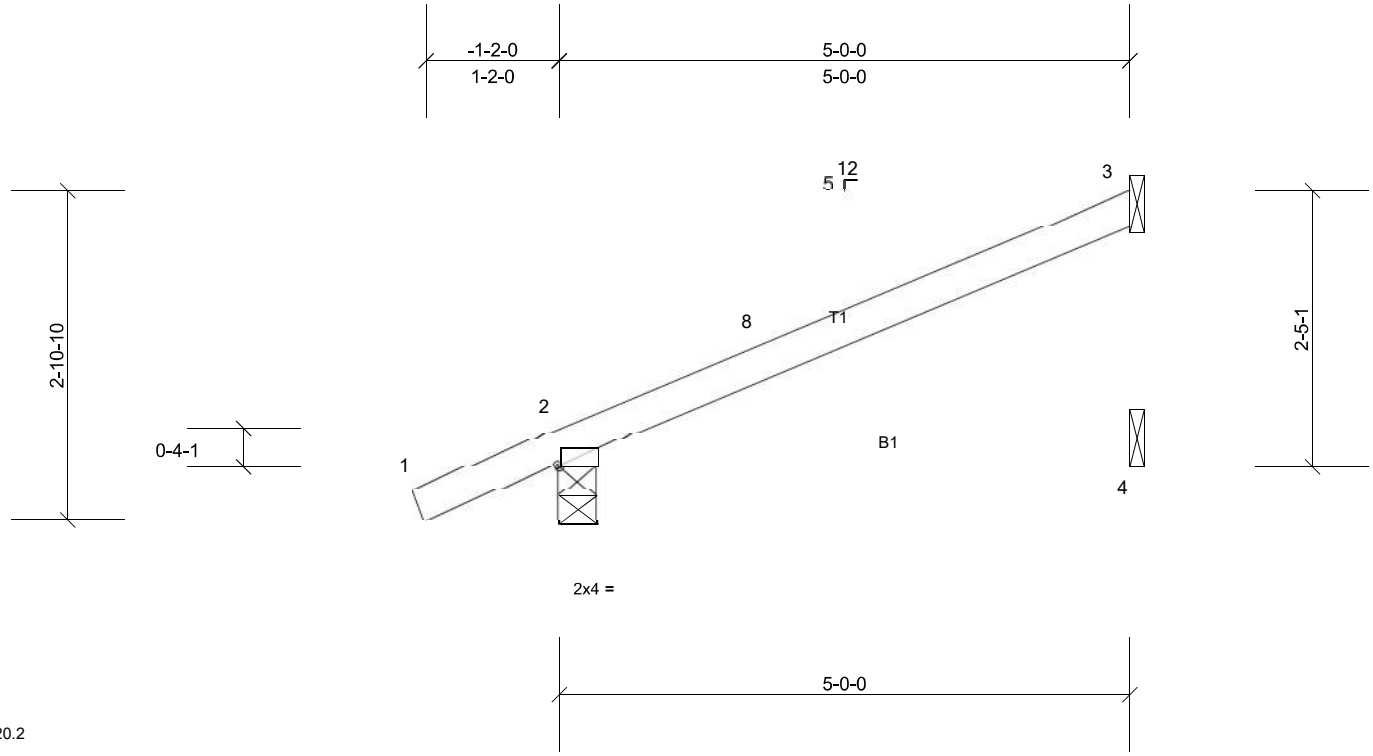

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Plate Offsets (X, Y): [2:0-0-2,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.06	4-7	>971	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 18 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS (lb/size) 2=226/0-4-0, (min. 0-1-8), 3=100/ Mechanical, (min. 0-1-8), 4=56/ Mechanical, (min. 0-1-8)
Max Horiz 2=177 (LC 11)
Max Uplift 2=-167 (LC 11), 3=-145 (LC 11), 4=-2 (LC 11)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 1-9-5 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 3, 167 lb uplift at joint 2 and 2 lb uplift at joint 4.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J55PF	Jack-Open	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:21:02 — Page: 1

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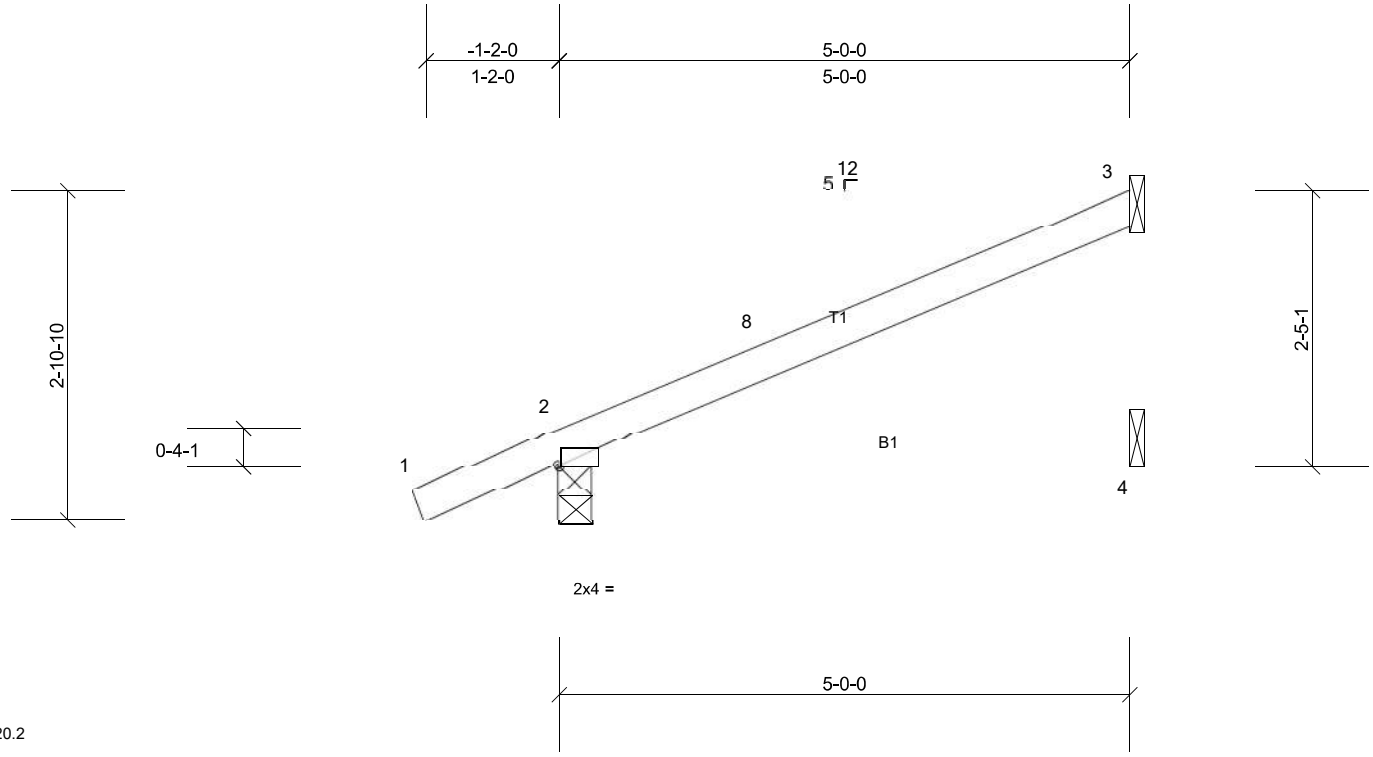

Scale = 1:20.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.06	4-7	>971	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 18 lb	FT = 20%

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

REACTIONS (lb/size) 2=226/0-3-8, (min. 0-1-8), 3=100/ Mechanical, (min. 0-1-8), 4=56/ Mechanical, (min. 0-1-8)
Max Horiz 2=177 (LC 11)
Max Uplift 2=-167 (LC 11), 3=-145 (LC 11), 4=-2 (LC 11)

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 1-9-5 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 3, 167 lb uplift at joint 2 and 2 lb uplift at joint 4.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J75F	Jack-Open	10	1	Job Reference (optional)

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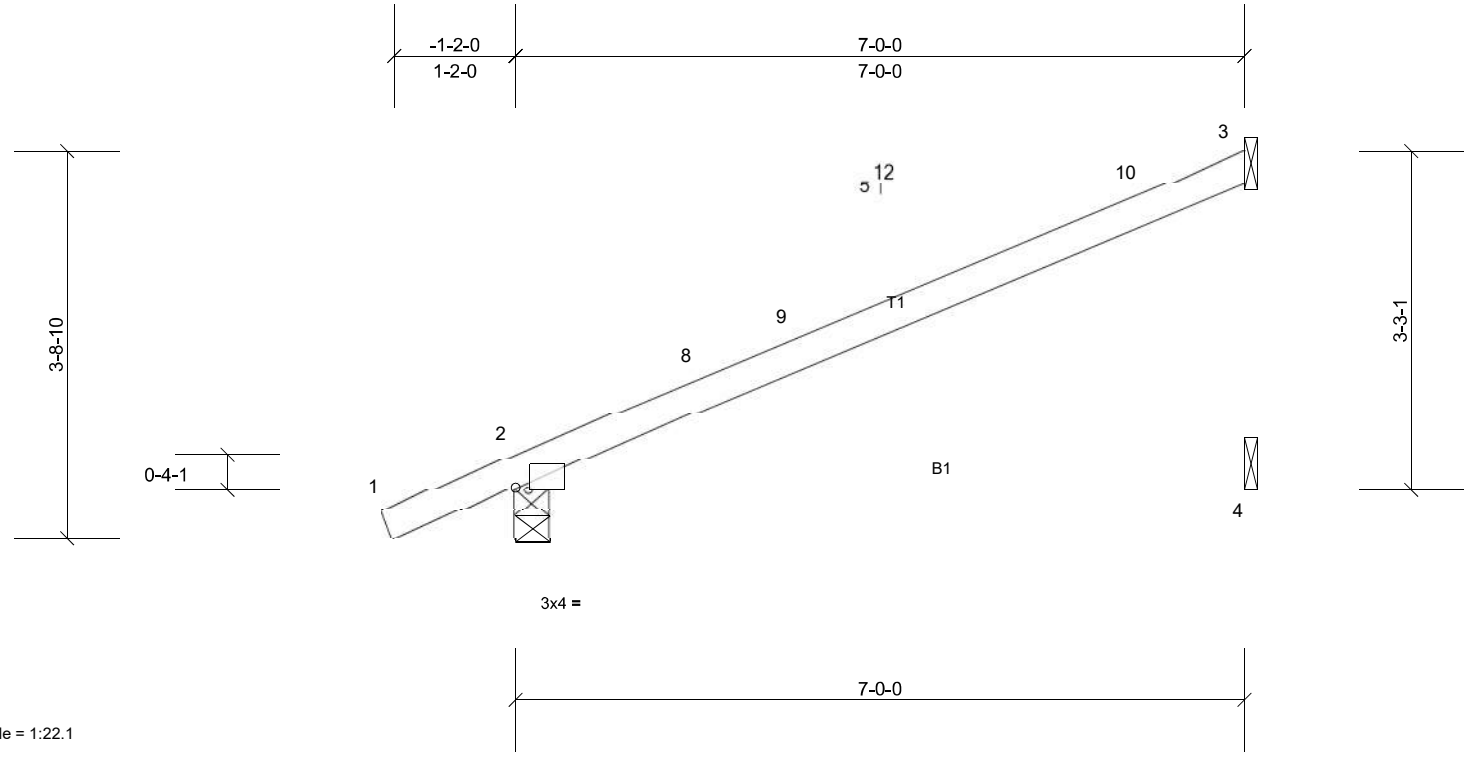


Scale = 1:22.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.18	4-7	>452	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.20	4-7	>408	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 24 lb	FT = 20%

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

REACTIONS (lb/size) 2=290/0-4-0, (min. 0-1-8), 3=146/ Mechanical, (min. 0-1-8), 4=78/ Mechanical, (min. 0-1-8)
Max Horiz 2=228 (LC 11)
Max Uplift 2=-205 (LC 11), 3=-191 (LC 11)

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

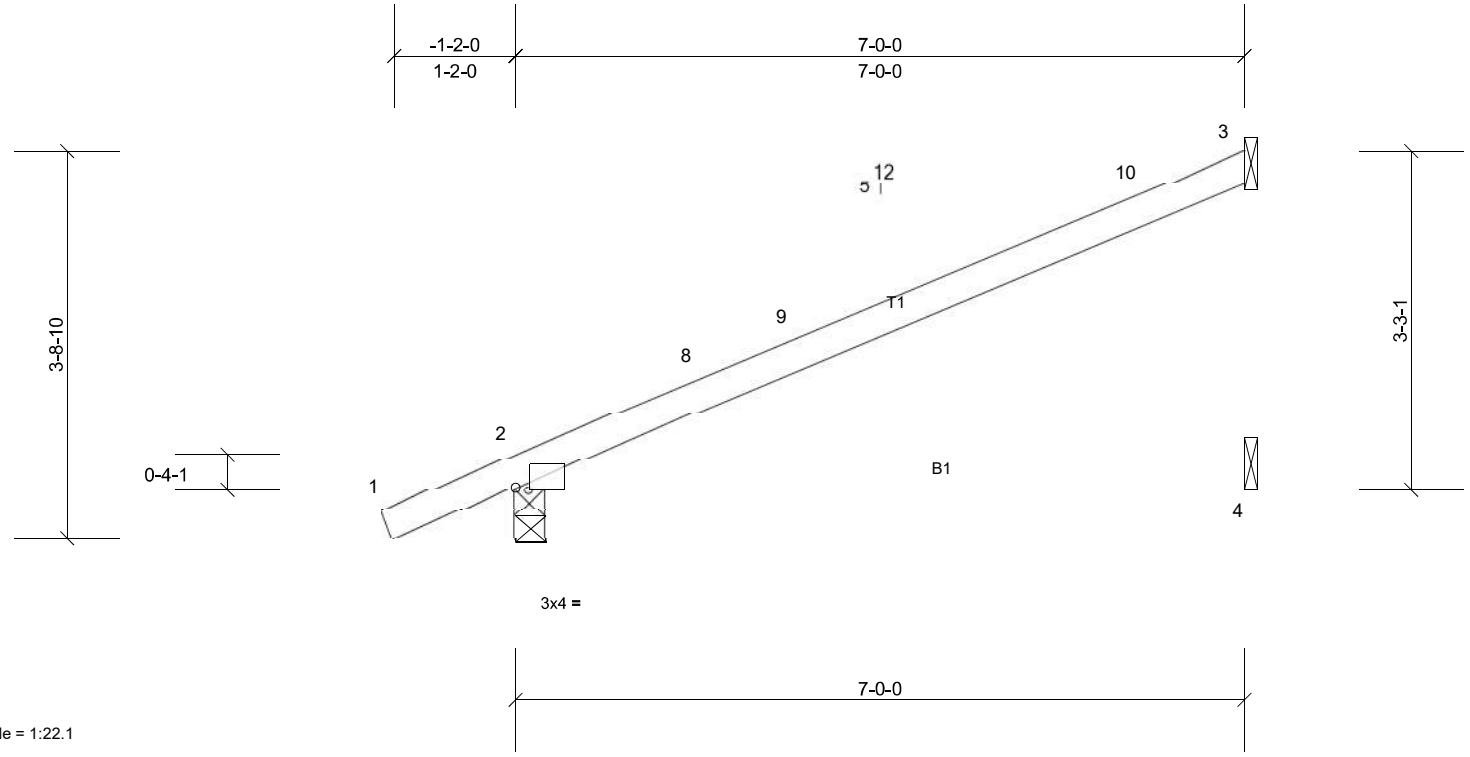
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 1-9-5 to 6-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 3 and 205 lb uplift at joint 2.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	J75PF	Jack-Open	14	1	Job Reference (optional)



Scale = 1:22.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.18	4-7	>452	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.20	4-7	>408	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 24 lb	FT = 20%

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

REACTIONS (lb/size) 2=290/0-3-8, (min. 0-1-8), 3=146/ Mechanical, (min. 0-1-8), 4=78/ Mechanical, (min. 0-1-8)
Max Horiz 2=228 (LC 11)
Max Uplift 2=-205 (LC 11), 3=-191 (LC 11)

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

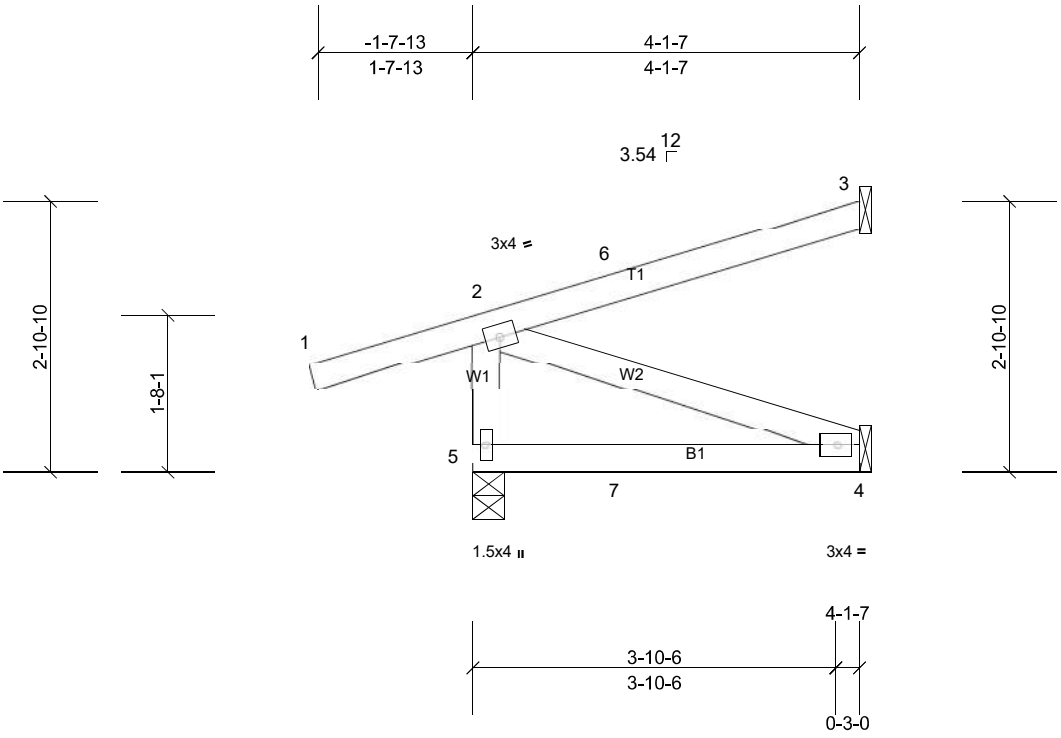
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 1-9-5 to 6-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 3 and 205 lb uplift at joint 2.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	JGR01	Diagonal Hip Girder	2	1	Job Reference (optional)



Scale = 1:24.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 23 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-7 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) 3=51/ Mechanical, (min. 0-1-8), 4=36/ Mechanical, (min. 0-1-8), 5=192/0-4-0, (min. 0-1-8)
Max Horiz 5=128 (LC 4)
Max Uplift 3=-123 (LC 7), 4=-53 (LC 3), 5=-341 (LC 3)
Max Grav 3=62 (LC 17), 4=41 (LC 12), 5=193 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-159/294

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 341 lb uplift at joint 5, 123 lb uplift at joint 3 and 53 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 130 lb down and 89 lb up at 1-6-1, and 130 lb down and 89 lb up at 1-6-1 on top chord, and 16 lb down and 54 lb up at 1-6-1, and 16 lb down and 54 lb up at 1-6-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-2=-46, 2-3=-46, 4-5=-20
Concentrated Loads (lb)
Vert: 6=54, 7=11

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	JGR55F	Diagonal Hip Girder	1	1	Job Reference (optional)

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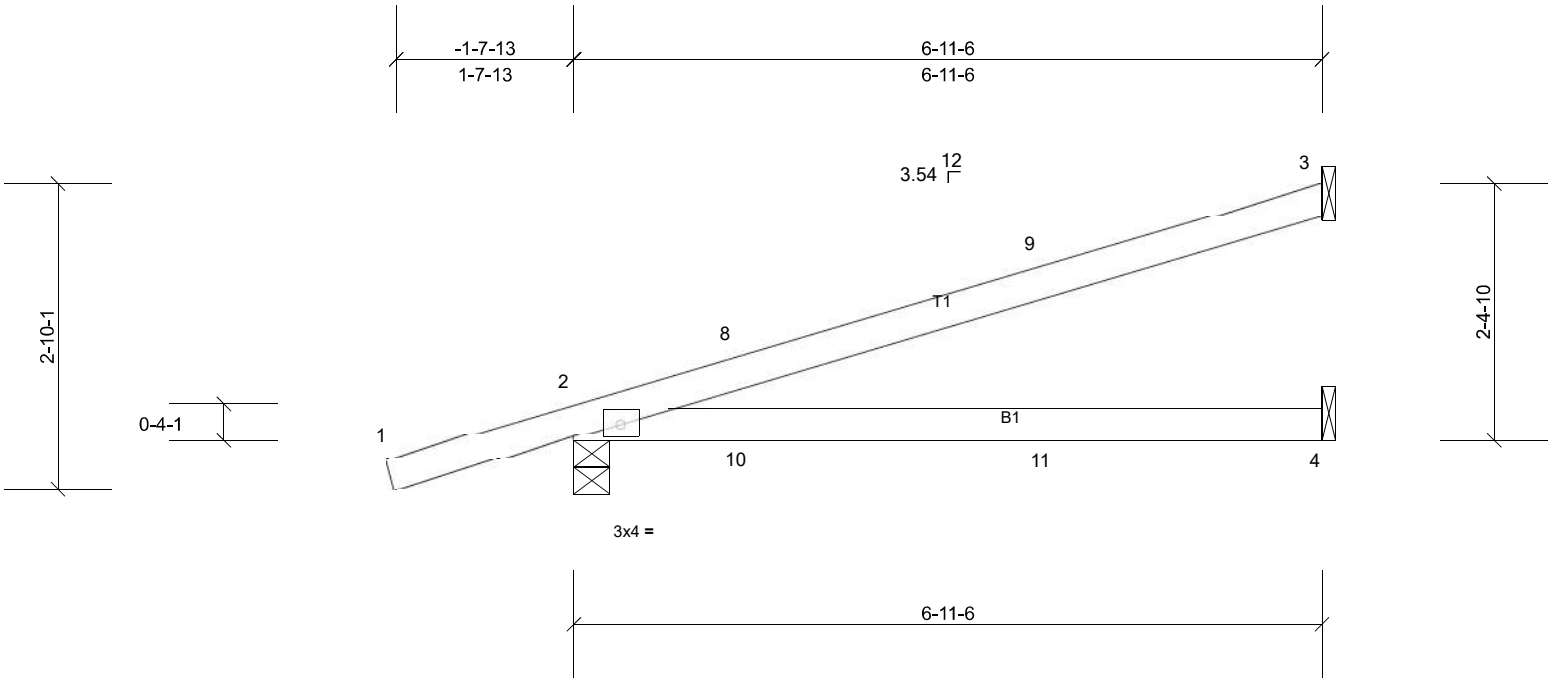

Scale = 1:21.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.21	4-7	>397	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.17	4-7	>472	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 24 lb	FT = 20%

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

REACTIONS (lb/size) 2=248/0-4-0, (min. 0-1-8), 3=129/ Mechanical, (min. 0-1-8), 4=76/ Mechanical, (min. 0-1-8)
Max Horiz 2=191 (LC 3)
Max Uplift 2=-330 (LC 3), 3=-187 (LC 7), 4=-18 (LC 7)
Max Grav 2=302 (LC 20), 3=137 (LC 20), 4=82 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-304/20

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.

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 3, 330 lb uplift at joint 2 and 18 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 116 lb down and 45 lb up at 1-6-1, 116 lb down and 45 lb up at 1-6-1, and 37 lb down and 78 lb up at 4-4-0, and 37 lb down and 78 lb up at 4-4-0 on top chord, and 31 lb down and 8 lb up at 1-6-1, 31 lb down and 8 lb up at 1-6-1, and 9 lb down and 17 lb up at 4-4-0, and 9 lb down and 17 lb up at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-46, 4-5=-20
Concentrated Loads (lb)
Vert: 8=91, 9=-1, 11=-11

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	JGR75F	Diagonal Hip Girder	3	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.720 S Nov 2 2023 MiTek Industries, Inc. Thu Aug 08 09:21:09 — Page: 1

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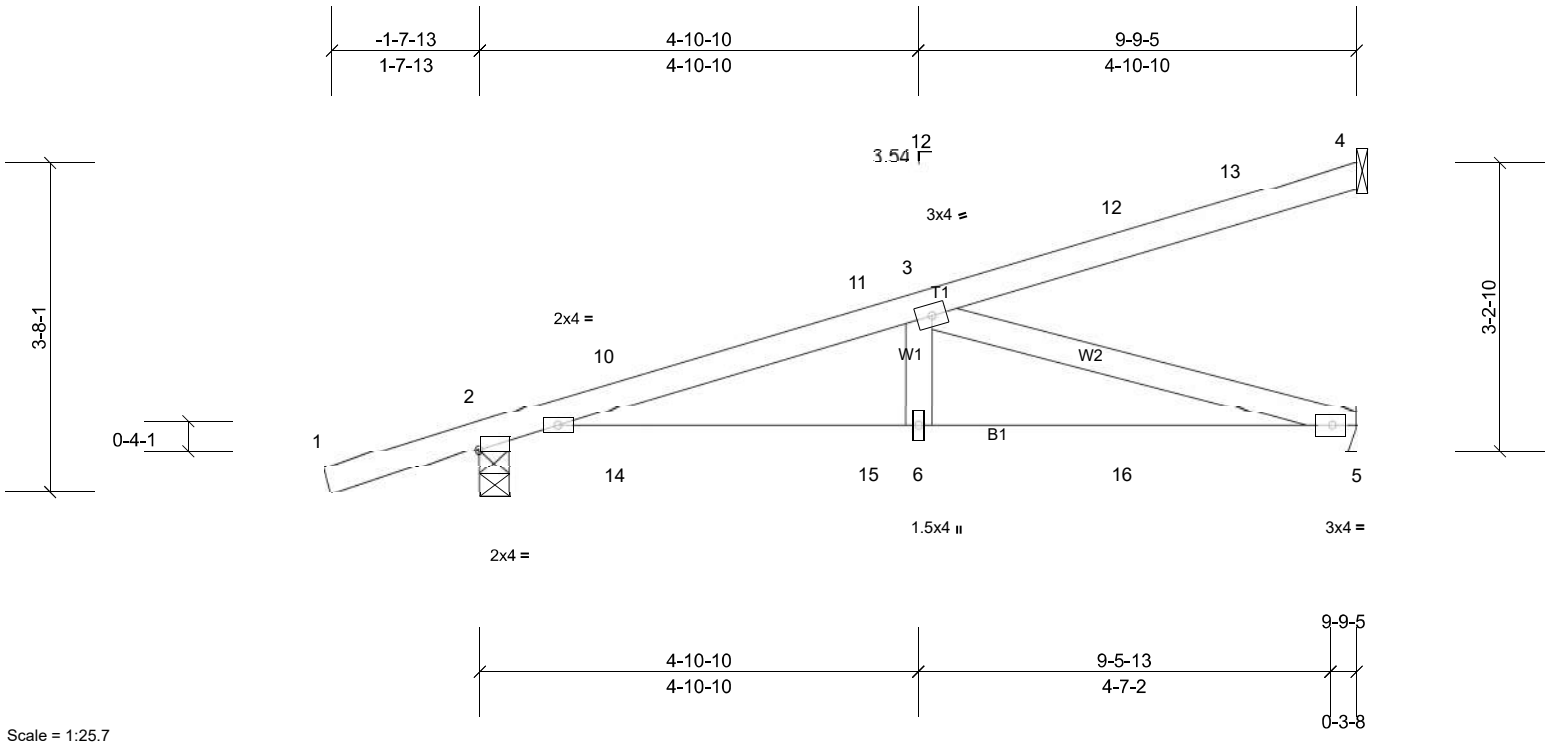

Scale = 1:25.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.06	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.07	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 41 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-10-15 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=370/0-4-0, (min. 0-1-8), 4=120/ Mechanical, (min. 0-1-8), 5=277/ Mechanical, (min. 0-1-8)
Max Horiz 2=243 (LC 24)
Max Uplift 2=-436 (LC 3), 4=-155 (LC 3), 5=-213 (LC 7)
Max Grav 2=411 (LC 20), 4=120 (LC 1), 5=277 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-723/603, 10-11=-709/610, 3-11=-706/611
BOT CHORD 2-14=-729/701, 14-15=-729/701, 6-15=-729/701, 6-16=-729/701, 5-16=-729/701
WEBS 3-5=-732/761

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 4, 436 lb uplift at joint 2 and 213 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 116 lb down and 45 lb up at 1-6-1, 116 lb down and 45 lb up at 1-6-1, 37 lb down and 78 lb up at 4-4-0, 37 lb down and 78 lb up at 4-4-0, and 64 lb down and 136 lb up at 7-1-15, and 64 lb down and 136 lb up at 7-1-15 on top chord, and 31 lb down and 8 lb up at 1-6-1, 31 lb down and 8 lb up at 1-6-1, 9 lb down and 17 lb up at 4-4-0, 9 lb down and 17 lb up at 4-4-0, and 28 lb down and 19 lb up at 7-1-15, and 28 lb down and 19 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-46, 5-7=-20
Concentrated Loads (lb)
Vert: 10=91, 11=-1, 12=-70, 15=-11, 16=-55

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	JGR75PF	Diagonal Hip Girder	1	1	Job Reference (optional)

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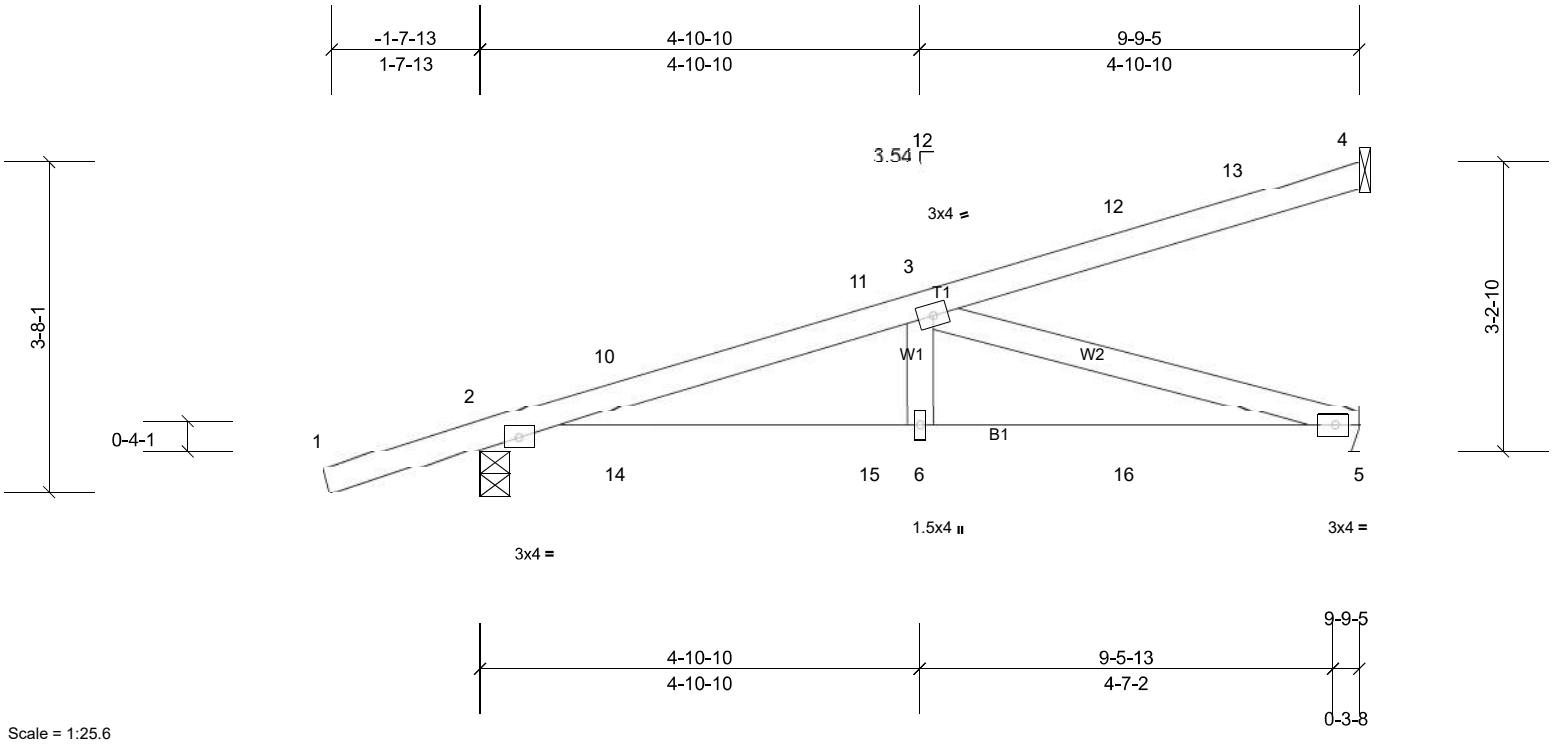

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.08	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.07	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	-0.02	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 41 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-4 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=370/0-4-0, (min. 0-1-8), 4=120/ Mechanical, (min. 0-1-8), 5=277/ Mechanical, (min. 0-1-8)
Max Horiz 2=243 (LC 3)
Max Uplift 2=-574 (LC 3), 4=-154 (LC 3), 5=-326 (LC 3)
Max Grav 2=411 (LC 20), 4=120 (LC 1), 5=277 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-723/817, 10-11=-709/824, 3-11=-706/825
BOT CHORD 2-14=-935/701, 14-15=-935/701, 6-15=-935/701, 6-16=-935/701, 5-16=-935/701
WEBS 3-5=-732/977

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 4, 574 lb uplift at joint 2 and 326 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 116 lb down and 45 lb up at 1-6-1, 116 lb down and 45 lb up at 1-6-0, 37 lb down and 78 lb up at 4-4-0, 37 lb down and 78 lb up at 4-4-0, and 64 lb down and 136 lb up at 7-1-15, and 64 lb down and 136 lb up at 7-1-15 on top chord, and 79 lb down and 8 lb up at 1-6-1, 79 lb down and 8 lb up at 1-6-0, 13 lb down and 17 lb up at 4-4-0, 13 lb down and 17 lb up at 4-4-0, and 33 lb down and 19 lb up at 7-1-15, and 33 lb down and 19 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-46, 5-7=-20
Concentrated Loads (lb)
Vert: 10=91, 11=-1, 12=-70, 15=-11, 16=-55

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	MGR02	Jack-Closed Girder	1	1	Job Reference (optional)

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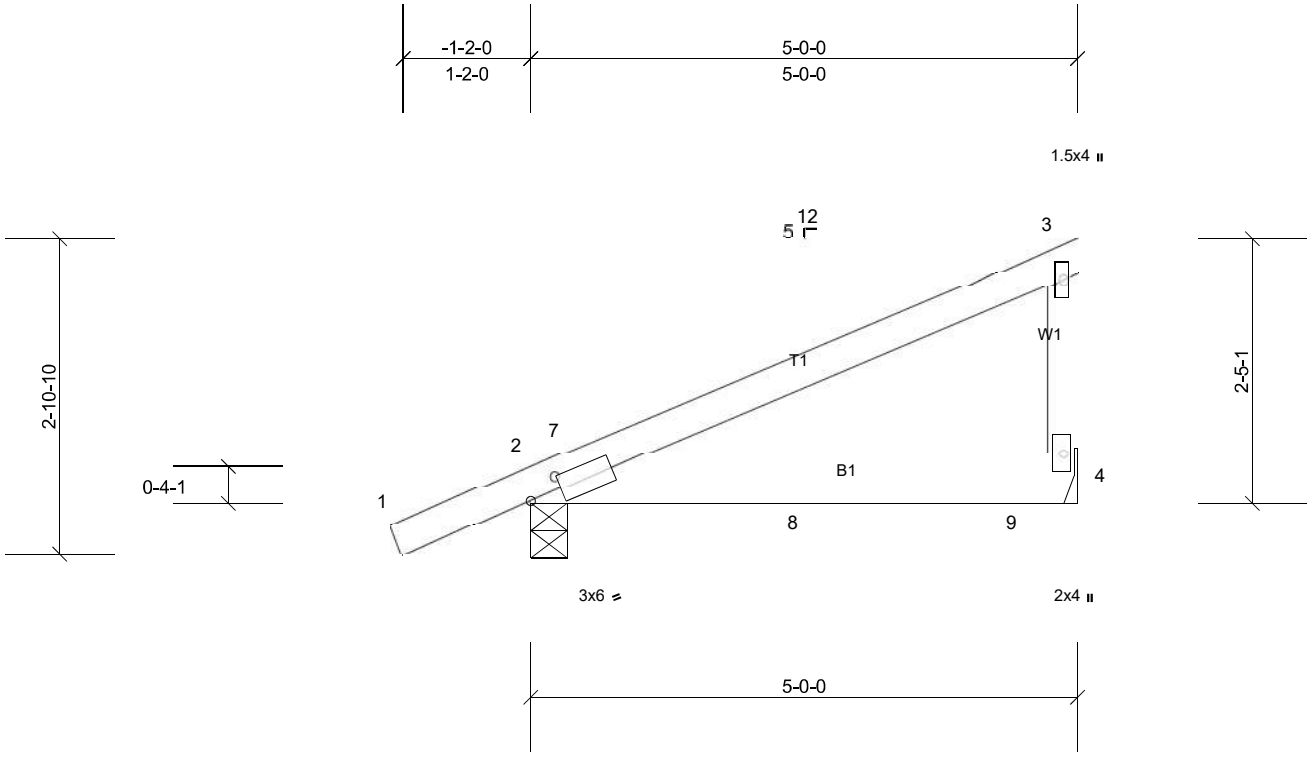


Scale = 1:21.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	0.11	4-6	>530	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.11	4-6	>525	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 24 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-5-4 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=1233/0-4-0, (min. 0-1-8), 4=1136/ Mechanical, (min. 0-1-8)
Max Horiz 2=171 (LC 4)
Max Uplift 2=-849 (LC 7), 4=-780 (LC 7)

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

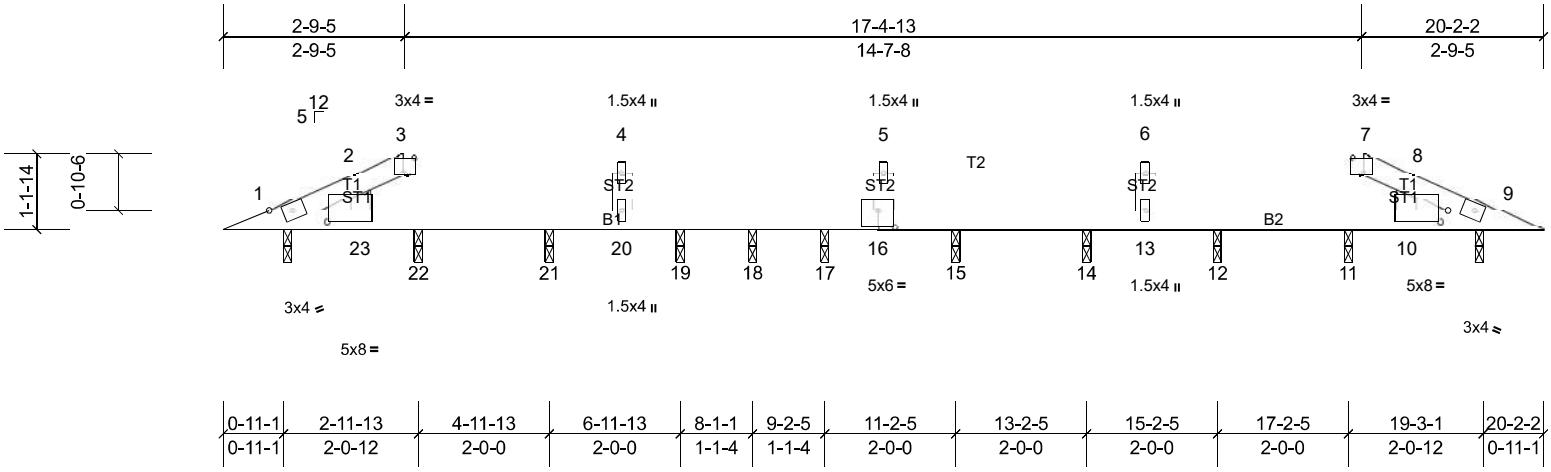
NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 780 lb uplift at joint 4 and 849 lb uplift at joint 2.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 666 lb down and 438 lb up at 0-4-12, and 660 lb down and 442 lb up at 2-4-12, and 666 lb down and 439 lb up at 4-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-3=-46, 2-4=-20
   Concentrated Loads (lb)
   Vert: 7=-666, 8=-660, 9=-666

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	PB02	Piggyback	1	1	Job Reference (optional)



Scale = 1:35.2

Plate Offsets (X, Y): [3:0-2-0,0-2-11], [7:0-2-0,0-2-11], [10:0-1-13,0-2-0], [16:0-3-0,0-3-0], [23:0-10-14,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	0.01	13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	0.00	13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 62 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

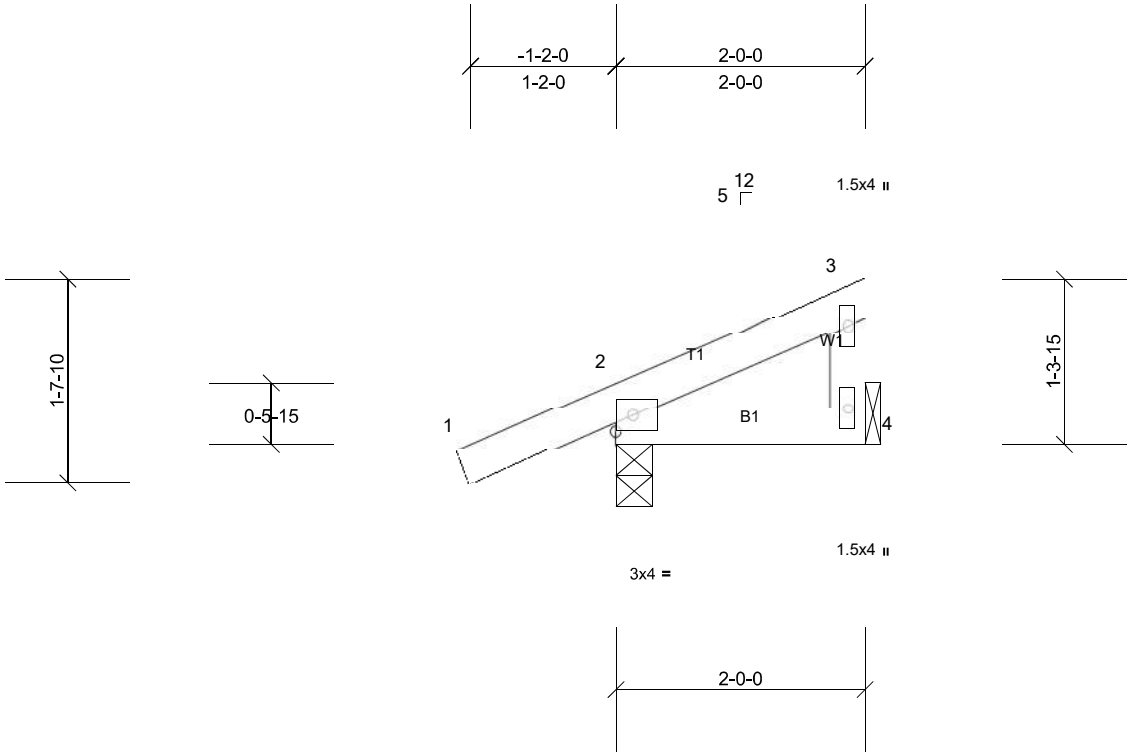
REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=14 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9, 11, 12, 14, 15, 21, 22 except 17=-147 (LC 7), 18=-108 (LC 24), 19=-135 (LC 8)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 9, 11, 12, 14, 15, 17, 18, 19, 21, 22

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-16=-185/328, 4-20=-187/329, 6-13=-185/326

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Gable studs spaced at 4-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 22, 21, 19, 18, 17, 15, 14, 12, 11, 9.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 22, 21, 15, 14, 12, 11, 9 except (jt=lb) 19=134, 18=108, 17=146.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	T01	Monopitch	4	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 9 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-0 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.

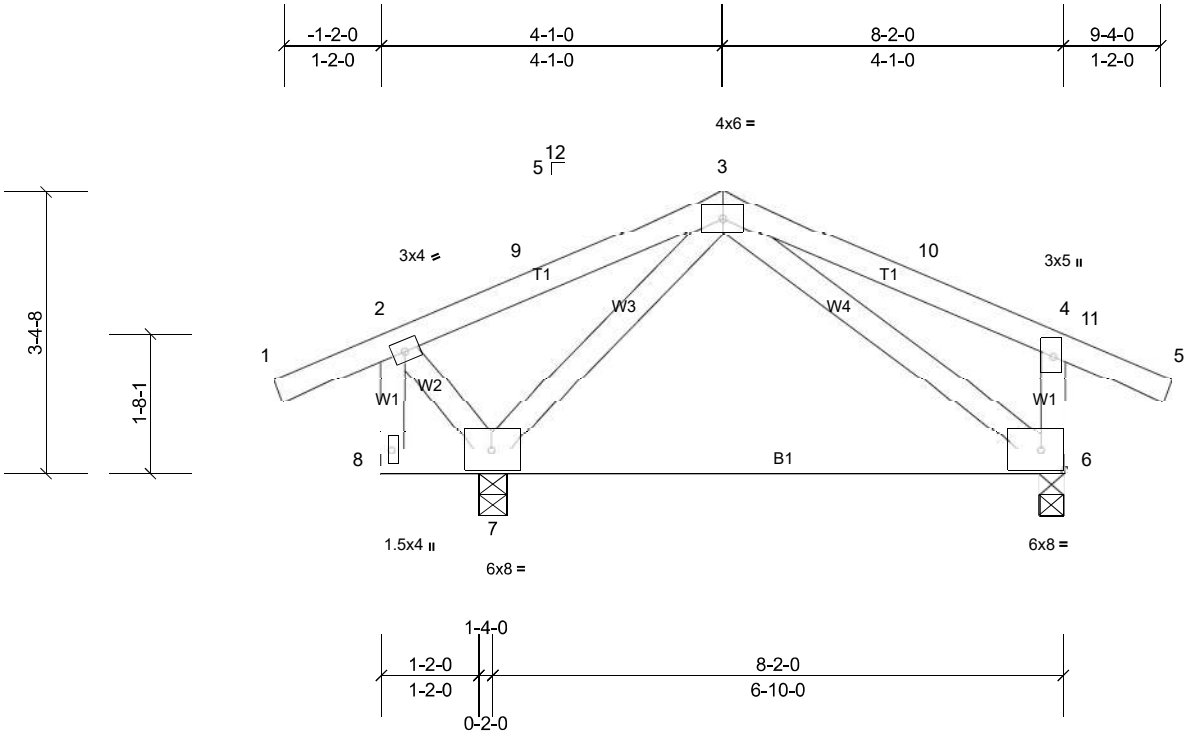
REACTIONS (lb/size) 2=136/0-3-8, (min. 0-1-8), 4=43/ Mechanical, (min. 0-1-8)
Max Horiz 2=87 (LC 10)
Max Uplift 2=-135 (LC 7), 4=-33 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-321/63

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 4 and 135 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	T02	Common	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.06	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 48 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 6=266/0-3-8, (min. 0-1-8), 7=380/0-4-0, (min. 0-1-8)
Max Horiz 7=-86 (LC 9)
Max Uplift 6=-210 (LC 12), 7=-299 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-296/53, 3-9=-289/87, 4-6=-192/613
WEBS 3-7=-237/609, 2-7=-106/730

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 8-0-4 to 8-0-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 299 lb uplift at joint 7 and 210 lb uplift at joint 6.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	T03	Common	3	1	Job Reference (optional)

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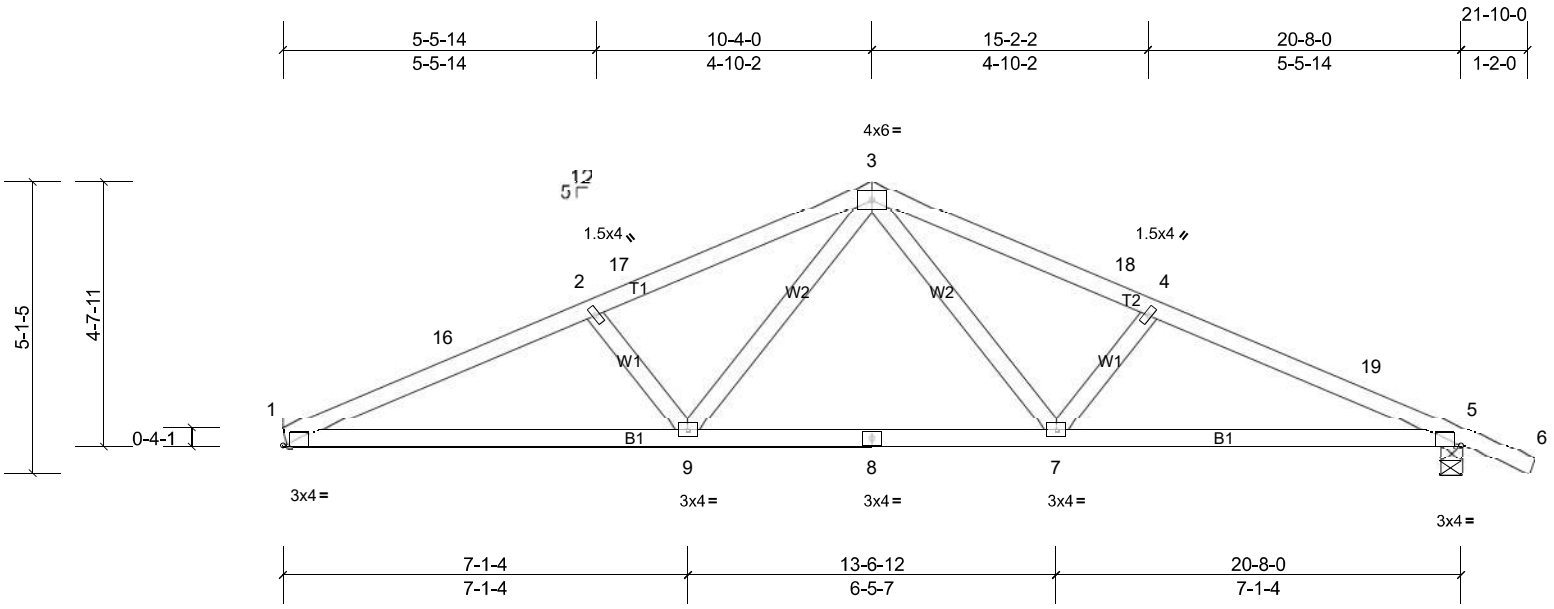

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Plate Offsets (X, Y): [1:0-1-6,Edge], [5:0-1-6,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.10	9-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.13	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 89 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.

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

REACTIONS (lb/size) 1=680/ Mechanical, (min. 0-1-8), 5=740/0-4-8, (min. 0-1-8)
Max Horiz 1=-163 (LC 16)
Max Uplift 1=-430 (LC 11), 5=-497 (LC 12)

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

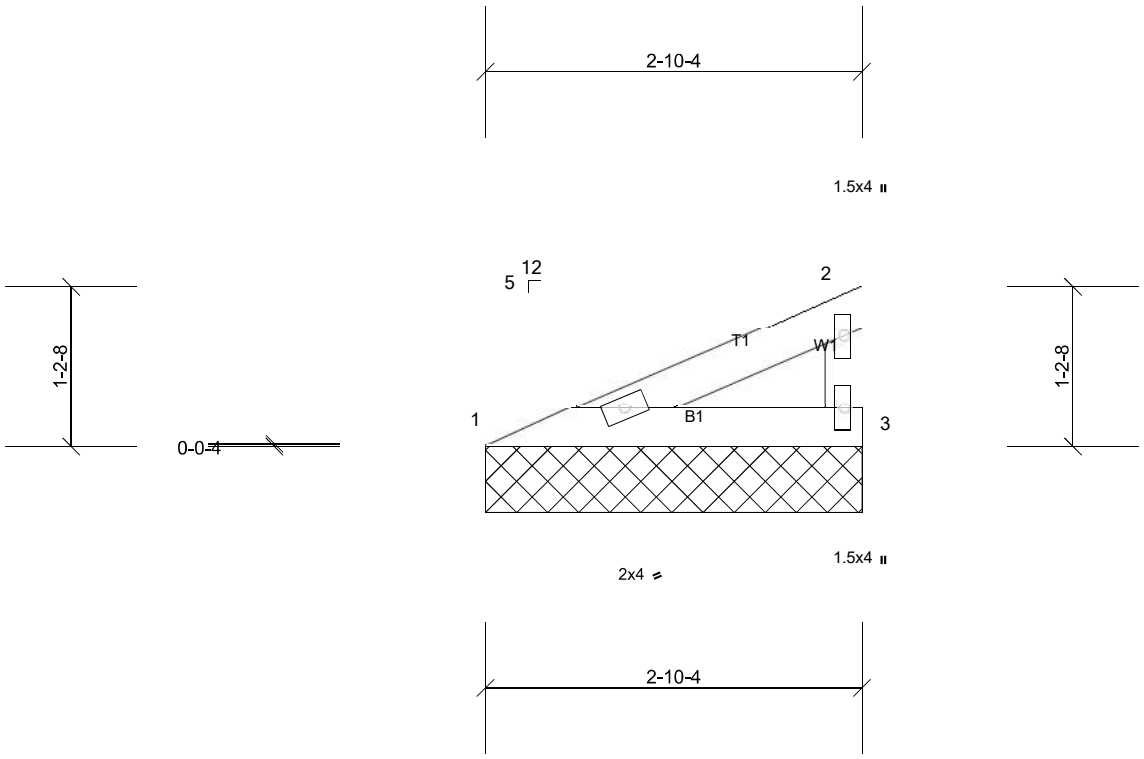
TOP CHORD	1-16=-1350/988, 2-16=-1317/997, 2-17=-1212/916, 3-17=-1182/930, 3-18=-1185/904, 4-18=-1205/890, 4-19=-1319/976, 5-19=-1341/964
BOT CHORD	1-9=-809/1227, 8-9=-434/816, 7-8=-434/816, 5-7=-799/1217
WEBS	3-7=-297/450, 4-7=-269/385, 3-9=-310/447, 2-9=-267/392

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 14-6-15 to 21-10-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint 1 and 497 lb uplift at joint 5.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Huntington J 3 CAR SIDE
Huntington J	V03	Valley	1	1	Job Reference (optional)



Scale = 1:17.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 9 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 1=89/2-10-4, (min. 0-1-8), 3=89/2-10-4, (min. 0-1-8)
Max Horiz 1=71 (LC 8)
Max Uplift 1=-62 (LC 11), 3=-75 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 1-3=-259/198

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 75 lb uplift at joint 3 and 62 lb uplift at joint 1.

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