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: **Luis Jose Burgos Pasado, P.E. 258 Southhall Lane, Suite 200 Maitland, Fl 32751 FL PE # 92724**
Engineer/Architect of Record: **Scott A Lewkowski P.E. 258 Southhall Lane, Suite 200 Maitland, FL 32751 FL PE # 78750**

Design Criteria: TPI Design: Matrix Analysis MiTek software

PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL
9FC00601	6-1	TBD SW CADENCE GLEN LAKE CITY, FL 32024	JAW/9FC	LVRJ43F/LH

LIVORNO J BASE

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	01/11/24		LT01	01/11/24	
REACTION SUMMARY	01/11/24		LT02	01/11/24	
MII web plate	2017		LT03	01/11/24	
OR1	2009		MGR40	01/11/24	
ST-4ply Screw	2012		PB01	01/11/24	
VC1	2009		PB02	01/11/24	
TN1	2009		PB03	01/11/24	
ST-Rep01A1	2014		PB04	01/11/24	
MMII-PIGGY-PERP	2019		PB05	01/11/24	
G76	01/11/24		PB06	01/11/24	
G77	01/11/24		PB07	01/11/24	
G78	01/11/24		T71	01/11/24	
G84	01/11/24		T72	01/11/24	
GP01	01/11/24		T74	01/11/24	
GP02	01/11/24		T75	01/11/24	
GP03	01/11/24		T80	01/11/24	
H06	01/11/24		TGR73	01/11/24	
H09	01/11/24		V01	01/11/24	
H10	01/11/24		V02	01/11/24	
H11	01/11/24		V03	01/11/24	
H70	01/11/24				
H82A	01/11/24				
H6611	01/11/24				
H6613	01/11/24				
H6615	01/11/24				
H6617	01/11/24				
HGR07	01/11/24				
HGR12	01/11/24				
J16	01/11/24				
J16P	01/11/24				
J30	01/11/24				
J30A	01/11/24				
J36	01/11/24				
J36P	01/11/24		INV #	DESC	QNTY
J56	01/11/24		050060.0110	JUS26	3
J56P	01/11/24		050060.0047	THD28	
J76	01/11/24		050060.0049	THD28-2	
J76P	01/11/24		050060.0106	HUS26	1
JGR76	01/11/24		050060.0272	HUS179	
JGR76P	01/11/24		050060.0058	HJC26	2
			050060.0312	HJC26-SK60	
			SEAT PLATES		
			FLOOR SEAT PLATES		

No. of Eng. Dwgs:	60
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"

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

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

1-21-25

Signing Date: 01/22/2025

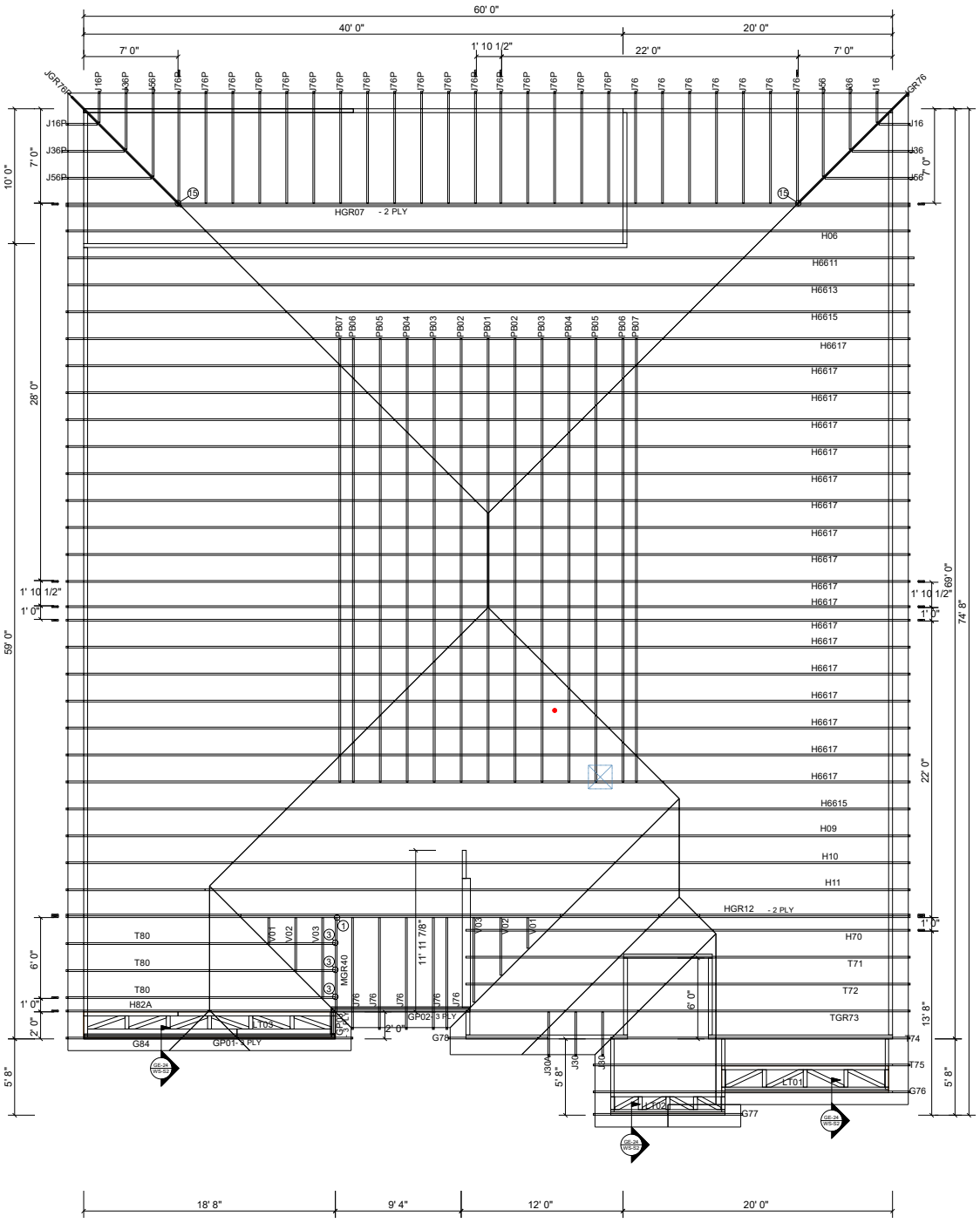
TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND UNDERSTANDING, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE SIGNED AND SEALED FOR THE STRUCTURAL PORTION OF THIS DRAWING.

		EXPOSURE	
TC LIVE	16.000 lb/ft²	SNOW LOAD	0.00
TC DEAD	7.000 lb/ft²	LUMBER DOL	1.25
BC LIVE	0.000 lb/ft²	PLATE DOL	1.25
BC DEAD	10.000 lb/ft²	WIND	140.0 mph Vasd=108.0 mph
TOTAL	33.0 lb/ft²	SPACING	24" O.C.

GENERAL TRUSS NOTES:

1. INFORMATION BASED ON 140.0 MPH WIND LOAD. ALL PRESSURES WERE CALCULATED USING MWFRS/C-C HYBRID WIND ASCE 7-16.
2. PROVIDE TRUSS BRACING PER TRUSS ENGINEERING AND BCSI I-03.

TRUSS PLACEMENT PLAN



LIVORNO "J" BASE

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

Page 1 of 1

CUSTOMER:Maronda Systems
Model: LIVORNO
ELEVATION: J BASE
DRAWN BY: C. Hunter
RELEASE DATE: 1/11/2024
GARAGE: LEFT

TSG
Making Dreams Come True
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258 Southhall Lane, Suite 200
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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 BC STORAGE LL 20 psf

SHEET:

TR1

TEMPLATE REVISION DATE 10/09/23: CDH

Reaction Summary

MIPS of Sanford, LLC
4005 Maronda Way
Sanford FL 32771
Business: (407) 321-0064

SOLD TO Maronda Homes

JOB NAME Livorno Frame 2023

STRUCTURE ZA

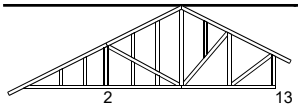
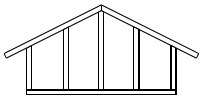
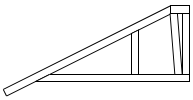
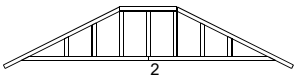
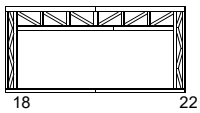
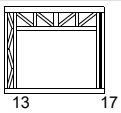
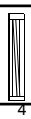
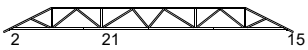
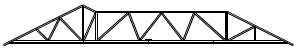
MODEL Livorno Frame

SHIP TO
Livorno J Base

TRANSACTION # 24000439
STATUS Quote
ORDERED This field intentionally left blank.
SCHD DELIVERY This field intentionally left blank.
SALES REP MiTek Industries
JOB CATEGORY

Roof Loading				Floor Loading			
TC Live:	TC Dead:	BC Live:	BC Dead:	TC Live:	TC Dead:	BC Live:	BC Dead:
16	7	0	10				

Building Code	Wind Design Method	Exp Cat	Occ Cat	Velocity	TC Dead	BC Dead
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	140	4.2	6

PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	G76	6 /12	6-10-13	20-10-14	24" o.c	REACTIONS	All bearings 12-04-10. except 13=3-00	
						(lb) -	Max Horiz	2=229 (LC 11), 24=229 (LC 11)
							Max Uplift	All uplift 100 (lb) or less at joint(s) 2, 16, 18, 19, 24 except 13=-136 (LC 13), 15=-193 (LC 13), 17=-101 (LC 12), 20=-136 (LC 12)
							Max Grav	All reactions 250 (lb) or less at joint(s) 2, 16, 17, 18, 19, 20, 24 except 13=298 (LC 1), 15=378 (LC 1)
	G77	6 /12	5-01-07	8-05-12	24" o.c	REACTIONS	All bearings 8-05-12.	
						(lb) -	Max Horiz	12=188 (LC 11)
							Max Uplift	All uplift 100 (lb) or less at joint(s) except 8=-151 (LC 9), 9=-141 (LC 8), 11=-142 (LC 9), 12=-153 (LC 8)
							Max Grav	All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12
	G78	6 /12	3-00-00	6-00-15	24" o.c	REACTIONS	All bearings 6-00-15.	
						(lb) -	Max Horiz	2=174 (LC 12), 8=174 (LC 12)
							Max Uplift	All uplift 100 (lb) or less at joint(s) 2, 8 except 7=-142 (LC 12)
							Max Grav	All reactions 250 (lb) or less at joint(s) 2, 6, 8 except 7=271 (LC 3)
	G84	6 /12	3-11-07	18-08-00	24" o.c	REACTIONS	All bearings 18-08-00.	
						(lb) -	Max Horiz	2=100 (LC 12), 19=100 (LC 12)
							Max Uplift	All uplift 100 (lb) or less at joint(s) 2, 10, 13, 14, 15, 16, 17, 19, 23 except 12=-143 (LC 13), 18=-144 (LC 12)
							Max Grav	All reactions 250 (lb) or less at joint(s) 2, 10, 12, 13, 14, 15, 16, 17, 18, 19, 23
	GP01	0 /12	8-11-10	18-07-00	12" o.c	REACTIONS	All bearings 1-03-08.	
						(lb) -	Max Horiz	18=-243 (LC 21)
							Max Uplift	All uplift 100 (lb) or less at joint(s) except 18=-1103 (LC 21), 19=-1937 (LC 24), 21=-828 (LC 23), 22=-1830 (LC 22)
							Max Grav	All reactions 250 (lb) or less at joint(s) except 18=1269 (LC 16), 19=2293 (LC 25), 21=941 (LC 26), 22=1826 (LC 27)
	GP02	0 /12	8-11-10	10-03-04	12" o.c	REACTIONS	(lb/size)	13=339/1-03-12, (min. 1-08), 14=562/1-03-12, (min. 1-08), 17=862/11-08, (min. 1-08)
							Max Horiz	13=-267 (LC 25)
							Max Uplift	13=-816 (LC 24), 14=-1296 (LC 26), 17=-2672 (LC 27)
							Max Grav	13=783 (LC 31), 14=1499 (LC 29), 17=2960 (LC 28)
	GP03	0 /12	8-11-10	1-07-08	12" o.c	REACTIONS	(lb/size)	3=102/1-07-08, (min. 1-08), 4=102/1-07-08, (min. 1-08)
							Max Uplift	3=-10 (LC 4), 4=-10 (LC 4)
	H06	6 /12	4-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=278/3-08, (min. 1-08), 15=1167/3-08, (min. 1-08), 21=2628/3-08, (min. 3-02)
							Max Horiz	2=-121 (LC 13)
							Max Uplift	2=-258 (LC 12), 15=-888 (LC 8), 21=-1969 (LC 9)
							Max Grav	2=416 (LC 19), 15=1174 (LC 26), 21=2628 (LC 1)
	H09	6 /12	8-03-02	60-00-00	24" o.c	REACTIONS	(lb/size)	2=2037/3-08, (min. 2-12), 14=2037/3-08, (min. 2-12)
							Max Horiz	2=-201 (LC 13)
							Max Uplift	2=-728 (LC 13), 14=-1008 (LC 13)
							Max Grav	2=2310 (LC 2), 14=2325 (LC 2)

Reaction Summary

MIPS of Sanford, LLC
4005 Maronda Way
Sanford FL 32771
Business: (407) 321-0064

SOLD TO Maronda Homes

JOB NAME Livorno Frame 2023

STRUCTURE ZA

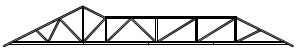
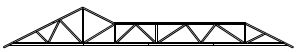
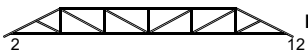
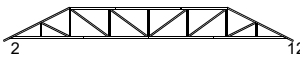
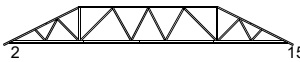
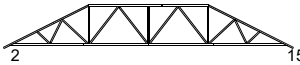
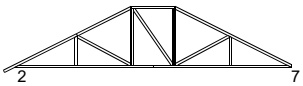
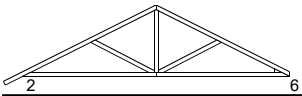
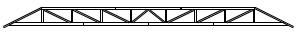
MODEL Livorno Frame

SHIP TO
Livorno J Base

TRANSACTION # 24000439
STATUS Quote
ORDERED This field intentionally left blank.
SCHD DELIVERY This field intentionally left blank.
SALES REP MiTek Industries
JOB CATEGORY

Roof Loading				Floor Loading			
TC Live:	TC Dead:	BC Live:	BC Dead:	TC Live:	TC Dead:	BC Live:	BC Dead:
16	7	0	10				

Building Code	Wind Design Method	Exp Cat	Occ Cat	Velocity	TC Dead	BC Dead
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	140	4.2	6

PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	H10	6 /12	8-03-02	60-00-00	24" o.c	REACTIONS	(lb/size)	2=895/3-08, (min. 1-08), 14=752/3-08, (min. 1-08), 19=2426/3-08, (min. 3-04)
							Max Horiz	2=-201 (LC 13)
							Max Uplift	2=-409 (LC 12), 14=-427 (LC 13), 19=-1097 (LC 13)
							Max Grav	2=974 (LC 2), 14=863 (LC 28), 19=2780 (LC 2)
	H11	6 /12	8-03-02	60-00-00	24" o.c	REACTIONS	(lb/size)	2=897/3-08, (min. 1-08), 15=753/3-08, (min. 1-08), 20=2423/7-04, (min. 2-14)
							Max Horiz	2=201 (LC 12)
							Max Uplift	2=-416 (LC 12), 15=-430 (LC 13), 20=-1091 (LC 13)
							Max Grav	2=897 (LC 1), 15=783 (LC 26), 20=2423 (LC 1)
	H6611	6 /12	5-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=2037/3-08, (min. 2-05), 12=2037/3-08, (min. 2-05)
							Max Horiz	2=-142 (LC 13)
							Max Uplift	2=-887 (LC 12), 12=-887 (LC 13)
							Max Grav	2=2311 (LC 2), 12=2311 (LC 2)
	H6613	6 /12	6-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=2037/3-08, (min. 2-12), 12=2037/3-08, (min. 2-12)
							Max Horiz	2=166 (LC 12)
							Max Uplift	2=-884 (LC 12), 12=-884 (LC 13)
							Max Grav	2=2334 (LC 2), 12=2334 (LC 2)
	H6615	6 /12	7-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=2037/3-08, (min. 2-06), 15=2037/3-08, (min. 2-06)
							Max Horiz	2=-197 (LC 13)
							Max Uplift	2=-927 (LC 12), 15=-927 (LC 13)
							Max Grav	2=2343 (LC 2), 15=2343 (LC 2)
	H6617	6 /12	8-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=2037/3-08, (min. 2-06), 15=2037/3-08, (min. 2-06)
							Max Horiz	2=-221 (LC 13)
							Max Uplift	2=-923 (LC 12), 15=-923 (LC 13)
							Max Grav	2=2374 (LC 2), 15=2374 (LC 2)
	H70	6 /12	7-00-00	31-07-12	24" o.c	REACTIONS	(lb/size)	2=1102/3-08, (min. 1-08), 7=1043/4-00, (min. 1-08)
							Max Horiz	2=186 (LC 12)
							Max Uplift	2=-477 (LC 12), 7=-429 (LC 13)
	H82A	6 /12	4-11-07	18-07-08	24" o.c	REACTIONS	(lb/size)	2=673/3-08, (min. 1-08), 6=613/3-00, (min. 1-08)
							Max Horiz	2=138 (LC 12)
							Max Uplift	2=-298 (LC 12), 6=-247 (LC 13)
	HGR07	6 /12	3-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=337/3-08, (min. 1-08), 14=2315/3-08, (min. 1-08), 23=5845/3-08, (min. 3-07)
							Max Horiz	2=-95 (LC 28)
							Max Uplift	2=-177 (LC 27), 14=-2251 (LC 4), 23=-5588 (LC 5)
							Max Grav	2=452 (LC 15), 14=2317 (LC 22), 23=5845 (LC 1)
	HGR12	6 /12	7-06-00	60-00-00	24" o.c	REACTIONS	(lb/size)	2=808/3-08, (min. 1-08), 15=1111/3-08, (min. 1-08), 22=3930/7-04, (min. 2-05)
							Max Horiz	2=183 (LC 27)
							Max Uplift	2=-465 (LC 27), 15=-683 (LC 9), 22=-2453 (LC 9)

Reaction Summary

MIPS of Sanford, LLC
4005 Maronda Way
Sanford FL 32771
Business: (407) 321-0064

SOLD TO Maronda Homes

JOB NAME Livorno Frame 2023

STRUCTURE ZA

MODEL Livorno Frame

SHIP TO Livorno J Base

TRANSACTION # 24000439

STATUS Quote

ORDERED This field intentionally left blank.

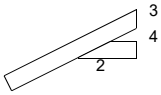
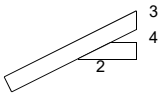
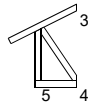
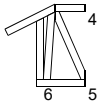
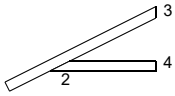
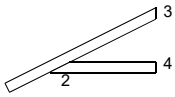
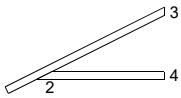
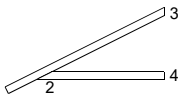
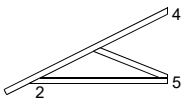
SCHD DELIVERY This field intentionally left blank.

SALES REP MiTek Industries

JOB CATEGORY

Roof Loading				Floor Loading			
TC Live:	TC Dead:	BC Live:	BC Dead:	TC Live:	TC Dead:	BC Live:	BC Dead:
16	7	0	10				

Building Code	Wind Design Method	Exp Cat	Occ Cat	Velocity	TC Dead	BC Dead
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	140	4.2	6

							Max Grav	2=808 (LC 1), 15=1130 (LC 22), 22=3930 (LC 1)
	**J16**	6 /12	10-03	1-00-00	24" o.c	**REACTIONS**	(lb/size)	2=125/3-08, (min. 1-08), 3=3/ Mechanical, (min. 1-08), 4=-6/ Mechanical, (min. 1-08)
							Max Horiz	2=62 (LC 10)
							Max Uplift	2=-107 (LC 10), 3=-3 (LC 10), 4=-6 (LC 1)
							Max Grav	2=125 (LC 1), 3=9 (LC 6), 4=22 (LC 14)
	**J16P**	6 /12	10-03	1-00-00	24" o.c	**REACTIONS**	(lb/size)	2=125/3-08, (min. 1-08), 3=3/ Mechanical, (min. 1-08), 4=-6/ Mechanical, (min. 1-08)
							Max Horiz	2=62 (LC 10)
							Max Uplift	2=-107 (LC 10), 3=-7 (LC 7), 4=-7 (LC 17)
							Max Grav	2=125 (LC 1), 3=6 (LC 15), 4=22 (LC 14)
	**J30**	6 /12	4-00-00	2-00-00	24" o.c	**REACTIONS**	(lb/size)	3=19/ Mechanical, (min. 1-08), 4=19/ Mechanical, (min. 1-08), 5=148/3-08, (min. 1-08)
							Max Horiz	5=128 (LC 9)
							Max Uplift	3=-29 (LC 12), 4=-120 (LC 9), 5=-34 (LC 8)
							Max Grav	3=19 (LC 19), 4=87 (LC 10), 5=148 (LC 1)
	**J30A**	6 /12	3-04-10	2-00-00	24" o.c	**REACTIONS**	(lb/size)	4=28/ Mechanical, (min. 1-08), 5=9/ Mechanical, (min. 1-08), 6=148/3-08, (min. 1-08)
							Max Horiz	6=108 (LC 9)
							Max Uplift	4=-28 (LC 8), 5=-92 (LC 9), 6=-67 (LC 8)
							Max Grav	4=28 (LC 1), 5=82 (LC 10), 6=148 (LC 1)
	**J36**	6 /12	1-10-03	3-00-00	24" o.c	**REACTIONS**	(lb/size)	2=165/3-08, (min. 1-08), 3=54/ Mechanical, (min. 1-08), 4=31/ Mechanical, (min. 1-08)
							Max Horiz	2=121 (LC 10)
							Max Uplift	2=-103 (LC 10), 3=-70 (LC 10)
							Max Grav	2=165 (LC 1), 3=54 (LC 1), 4=51 (LC 3)
	**J36P**	6 /12	1-10-03	3-00-00	24" o.c	**REACTIONS**	(lb/size)	2=165/3-08, (min. 1-08), 3=54/ Mechanical, (min. 1-08), 4=31/ Mechanical, (min. 1-08)
							Max Horiz	2=121 (LC 10)
							Max Uplift	2=-103 (LC 10), 3=-70 (LC 10), 4=-28 (LC 7)
							Max Grav	2=165 (LC 1), 3=54 (LC 1), 4=51 (LC 3)
	**J56**	6 /12	2-10-03	5-00-00	24" o.c	**REACTIONS**	(lb/size)	2=227/3-08, (min. 1-08), 3=98/ Mechanical, (min. 1-08), 4=58/ Mechanical, (min. 1-08)
							Max Horiz	2=181 (LC 10)
							Max Uplift	2=-122 (LC 10), 3=-129 (LC 10)
							Max Grav	2=227 (LC 1), 3=98 (LC 1), 4=88 (LC 3)
	**J56P**	6 /12	2-10-03	5-00-00	24" o.c	**REACTIONS**	(lb/size)	2=227/3-08, (min. 1-08), 3=98/ Mechanical, (min. 1-08), 4=58/ Mechanical, (min. 1-08)
							Max Horiz	2=181 (LC 10)
							Max Uplift	2=-122 (LC 10), 3=-129 (LC 10), 4=-49 (LC 7)
							Max Grav	2=227 (LC 1), 3=98 (LC 1), 4=88 (LC 3)
	**J76**	6 /12	3-10-03	7-00-00	24" o.c	**REACTIONS**	(lb/size)	2=292/3-08, (min. 1-08), 4=64/ Mechanical, (min. 1-08), 5=160/ Mechanical, (min. 1-08)
							Max Horiz	2=241 (LC 10)
							Max Uplift	2=-145 (LC 10), 4=-106 (LC 10), 5=-79 (LC 10)

Reaction Summary

MIPS of Sanford, LLC
4005 Maronda Way
Sanford FL 32771
Business: (407) 321-0064

SOLD TO Maronda Homes

JOB NAME Livorno Frame 2023

STRUCTURE ZA

MODEL Livorno Frame

SHIP TO

Livorno J Base

TRANSACTION # 24000439

STATUS Quote

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SCHD DELIVERY This field intentionally left blank.

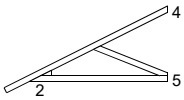
SALES REP MiTek Industries

JOB CATEGORY

Roof Loading				Floor Loading			
TC Live:	TC Dead:	BC Live:	BC Dead:	TC Live:	TC Dead:	BC Live:	BC Dead:
16	7	0	10				

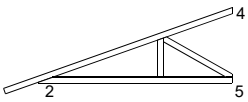
Building Code	Wind Design Method	Exp Cat	Occ Cat	Velocity	TC Dead	BC Dead
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	140	4.2	6

Max Grav 2=292 (LC 1), 4=64 (LC 1), 5=178 (LC 3)



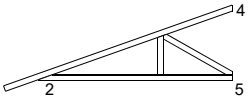
J76P 6 /12 3-10-03 7-00-00 24" o.c

REACTIONS (lb/size) 2=292/3-08, (min. 1-08), 4=64/ Mechanical, (min. 1-08), 5=160/ Mechanical, (min. 1-08)
Max Horiz 2=241 (LC 10)
Max Uplift 2=-153 (LC 7), 4=-106 (LC 10), 5=-135 (LC 7)
Max Grav 2=292 (LC 1), 4=64 (LC 1), 5=178 (LC 3)



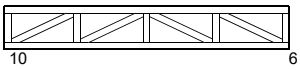
JGR76 4.24 /12 3-09-10 9-09-05 24" o.c

REACTIONS (lb/size) 2=446/4-09, (min. 1-08), 4=62/ Mechanical, (min. 1-08), 5=347/ Mechanical, (min. 1-08)
Max Horiz 2=256 (LC 4)
Max Uplift 2=-457 (LC 4), 4=-90 (LC 8), 5=-338 (LC 4)



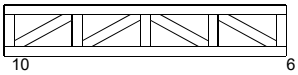
JGR76P 4.24 /12 3-09-10 9-09-05 24" o.c

REACTIONS (lb/size) 2=452/4-09, (min. 1-08), 4=56/ Mechanical, (min. 1-08), 5=348/ Mechanical, (min. 1-08)
Max Horiz 2=248 (LC 4)
Max Uplift 2=-492 (LC 4), 4=-57 (LC 8), 5=-394 (LC 4)



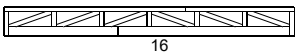
LT01 0 /12 1-10-08 12-04-10 24" o.c

REACTIONS (lb/size) 6=1451/3-08, (min. 1-11), 10=1451/3-08, (min. 1-11)
Max Uplift 6=-1224 (LC 26), 10=-1224 (LC 26)



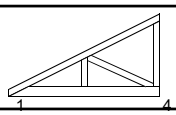
LT02 0 /12 1-06-08 8-05-12 24" o.c

REACTIONS (lb/size) 6=982/3-08, (min. 1-08), 10=982/3-08, (min. 1-08)
Max Uplift 6=-829 (LC 26), 10=-829 (LC 26)



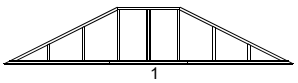
LT03 0 /12 1-10-08 18-08-00 24" o.c

REACTIONS All bearings 18-08-00.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 9=-277 (LC 5), 10=-733 (LC 6), 11=-652 (LC 5), 12=-668 (LC 6), 14=-652 (LC 5), 15=-733 (LC 6), 16=-277 (LC 5)
Max Grav All reactions 250 (lb) or less at joint(s) except 9=315 (LC 1), 10=806 (LC 1), 11=743 (LC 1), 12=684 (LC 1), 14=743 (LC 1), 15=806 (LC 1), 16=315 (LC 1)



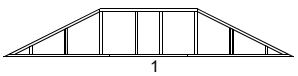
MGR40 6 /12 3-10-03 7-00-00 24" o.c

REACTIONS (lb/size) 1=1228/3-08, (min. 1-08), 4=1006/ Mechanical, (min. 1-08)
Max Horiz 1=187 (LC 8)
Max Uplift 1=-509 (LC 8), 4=-505 (LC 8)



PB01 6 /12 6-05-10 32-11-00 24" o.c

REACTIONS All bearings 32-11-00.
(lb) - Max Horiz 1=-148 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9, 13, 15 except 10=-234 (LC 13), 11=-191 (LC 13), 14=-149 (LC 9), 17=-190 (LC 12), 18=-236 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 9 except 10=368 (LC 28), 11=308 (LC 20), 13=365 (LC 2), 14=311 (LC 27), 15=366 (LC 2), 17=306 (LC 19), 18=373 (LC 27)



PB02 6 /12 5-05-10 32-11-00 24" o.c

REACTIONS All bearings 32-11-00.
(lb) - Max Horiz 1=-125 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 10, 13, 18 except 11=-166 (LC 13), 12=-210 (LC 13), 15=-131 (LC 9), 16=-130 (LC 8), 19=-210 (LC 12), 20=-168 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 10 except 11=271 (LC 28), 12=317 (LC 20), 13=351 (LC 2), 15=306 (LC 27), 16=305 (LC 28), 18=351 (LC 2), 19=316 (LC 19), 20=276 (LC 27)

Reaction Summary

MIPS of Sanford, LLC
4005 Maronda Way
Sanford FL 32771
Business: (407) 321-0064

SOLD TO Maronda Homes

JOB NAME Livorno Frame 2023

STRUCTURE ZA

MODEL Livorno Frame

SHIP TO
Livorno J Base

TRANSACTION # 24000439

STATUS Quote

ORDERED This field intentionally left blank.

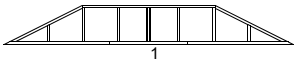
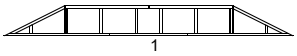
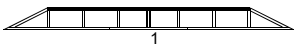
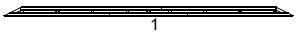
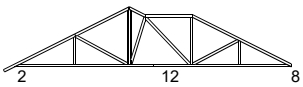
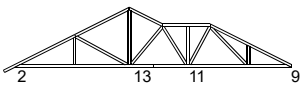
SCHD DELIVERY This field intentionally left blank.

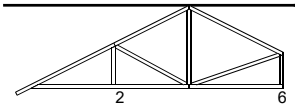
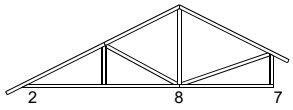
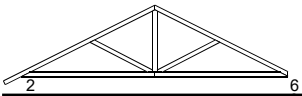
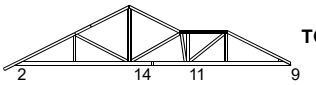
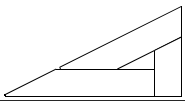
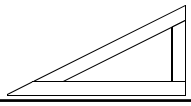
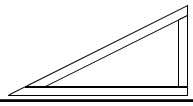
SALES REP MiTek Industries

JOB CATEGORY

Roof Loading				Floor Loading			
TC Live:	TC Dead:	BC Live:	BC Dead:	TC Live:	TC Dead:	BC Live:	BC Dead:
16	7	0	10				

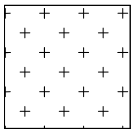
Building Code	Wind Design Method	Exp Cat	Occ Cat	Velocity	TC Dead	BC Dead
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	140	4.2	6

PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS
	**PB03**	6 /12	4-05-10	32-11-00	24" o.c	**REACTIONS** All bearings 32-11-00. (lb) - Max Horiz 1=101 (LC 12) Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9, 11, 14, 17 except 10=-251 (LC 13), 13=-152 (LC 9), 15=-152 (LC 8), 18=-254 (LC 12) Max Grav All reactions 250 (lb) or less at joint(s) 1, 9 except 10=373 (LC 20), 11=331 (LC 2), 13=359 (LC 27), 14=269 (LC 2), 15=359 (LC 28), 17=329 (LC 2), 18=379 (LC 19)
	**PB04**	6 /12	3-05-10	32-11-00	24" o.c	**REACTIONS** All bearings 32-11-00. (lb) - Max Horiz 1=78 (LC 12) Max Uplift All uplift 100 (lb) or less at joint(s) 1, 11, 13, 20 except 12=-189 (LC 13), 14=-162 (LC 9), 16=-110 (LC 8), 17=-110 (LC 9), 19=-162 (LC 8), 21=-191 (LC 12) Max Grav All reactions 250 (lb) or less at joint(s) 1, 11, 13, 16, 17, 20 except 12=260 (LC 26), 14=294 (LC 25), 19=294 (LC 26), 21=264 (LC 25)
	**PB05**	6 /12	2-05-10	32-11-00	24" o.c	**REACTIONS** All bearings 32-11-00. (lb) - Max Horiz 1=54 (LC 12) Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9 except 10=-136 (LC 13), 11=-161 (LC 9), 13=-124 (LC 8), 14=-114 (LC 8), 15=-124 (LC 9), 17=-161 (LC 8), 18=-155 (LC 12) Max Grav All reactions 250 (lb) or less at joint(s) 1, 9, 13, 14, 15 except 10=360 (LC 1), 11=281 (LC 25), 17=280 (LC 26), 18=366 (LC 1)
	**PB06**	6 /12	1-05-10	32-11-00	24" o.c	**REACTIONS** All bearings 32-11-00. (lb) - Max Horiz 1=31 (LC 12) Max Uplift All uplift 100 (lb) or less at joint(s) 1, 11 except 12=-117 (LC 13), 13=-155 (LC 9), 14=-138 (LC 13), 16=-114 (LC 9), 17=-114 (LC 8), 19=-138 (LC 12), 20=-155 (LC 8), 21=-124 (LC 12) Max Grav All reactions 250 (lb) or less at joint(s) 1, 11, 12, 16, 17, 21 except 13=283 (LC 25), 14=270 (LC 26), 19=270 (LC 25), 20=283 (LC 26)
	**PB07**	6 /12	11-10	32-11-00	24" o.c	**REACTIONS** All bearings 32-11-00. (lb) - Max Horiz 1=-19 (LC 17) Max Uplift All uplift 100 (lb) or less at joint(s) 1, 12, 13, 18, 23 except 14=-153 (LC 9), 15=-136 (LC 8), 17=-120 (LC 9), 19=-120 (LC 8), 21=-136 (LC 9), 22=-153 (LC 8) Max Grav All reactions 250 (lb) or less at joint(s) 1, 12, 13, 17, 18, 19, 23 except 14=284 (LC 25), 15=267 (LC 26), 21=267 (LC 25), 22=284 (LC 26)
	**T71**	6 /12	6-10-13	31-07-12	24" o.c	**REACTIONS** All bearings 6-07-00. except 8=4-00, 2=3-08 (lb) - Max Horiz 2=183 (LC 12) Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-199 (LC 12), 8=-140 (LC 13), 10=-410 (LC 13), 12=-358 (LC 12) Max Grav All reactions 250 (lb) or less at joint(s) except 2=422 (LC 27), 8=309 (LC 28), 10=812 (LC 28), 12=895 (LC 2)
	**T72**	6 /12	6-10-13	31-07-12	24" o.c	**REACTIONS** All bearings 3-08. except 9=4-00 (lb) - Max Horiz 2=183 (LC 12) Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-196 (LC 12), 9=-150 (LC 13), 11=-405 (LC 13), 13=-373 (LC 12) Max Grav All reactions 250 (lb) or less at joint(s) except 2=401 (LC 25), 9=292 (LC 26), 11=771 (LC 26), 13=756 (LC 1)

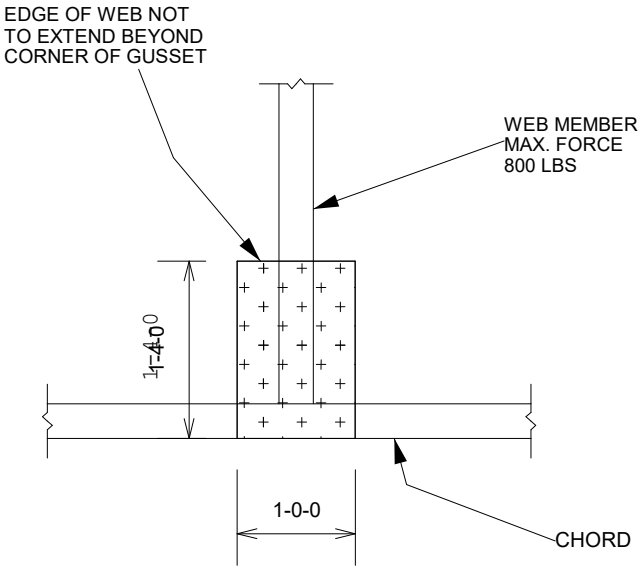
PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	**T74**	6 /12	6-10-13	20-10-14	24" o.c	**REACTIONS**	All bearings 13-08-00. except 6=1-02-14	
						(lb) -	Max Horiz	2=267 (LC 12), 9=267 (LC 12)
							Max Uplift	All uplift 100 (lb) or less at joint(s) except 2=-115 (LC 12), 6=-140 (LC 8), 7=-141 (LC 9), 8=-261 (LC 12), 9=-115 (LC 12)
							Max Grav	All reactions 250 (lb) or less at joint(s) except 2=291 (LC 1), 6=263 (LC 1), 7=439 (LC 1), 8=435 (LC 1), 9=291 (LC 1)
	**T75**	6 /12	6-10-13	20-10-14	24" o.c	**REACTIONS**	(lb/size)	2=421/3-00, (min. 1-08), 7=201/3-00, (min. 1-08), 8=868/3-00, (min. 1-08)
							Max Horiz	2=229 (LC 11)
							Max Uplift	2=-207 (LC 12), 7=-185 (LC 8), 8=-373 (LC 12)
							Max Grav	2=421 (LC 1), 7=262 (LC 26), 8=868 (LC 1)
	**T80**	6 /12	5-00-03	18-08-00	24" o.c	**REACTIONS**	(lb/size)	2=675/3-08, (min. 1-08), 6=614/ Mechanical, (min. 1-08)
							Max Horiz	2=138 (LC 12)
							Max Uplift	2=-298 (LC 12), 6=-248 (LC 13)
	**TGR73**	6 /12	6-10-13	31-07-04	24" o.c	**REACTIONS**	All bearings 3-08. except 9=3-00	
						(lb) -	Max Horiz	2=184 (LC 27)
							Max Uplift	All uplift 100 (lb) or less at joint(s) except 2=-194 (LC 27), 9=-255 (LC 9), 11=-651 (LC 9), 14=-424 (LC 27)
							Max Grav	All reactions 250 (lb) or less at joint(s) except 2=393 (LC 21), 9=340 (LC 22), 11=648 (LC 22), 14=842 (LC 1)
	**V01**	6 /12	11-08	1-11-00	24" o.c	**REACTIONS**	(lb/size)	1=58/1-11-00, (min. 1-08), 3=58/1-11-00, (min. 1-08)
							Max Horiz	1=39 (LC 12)
							Max Uplift	1=-22 (LC 12), 3=-38 (LC 12)
	**V02**	6 /12	1-11-08	3-11-00	24" o.c	**REACTIONS**	(lb/size)	1=124/3-11-00, (min. 1-08), 3=124/3-11-00, (min. 1-08)
							Max Horiz	1=94 (LC 12)
							Max Uplift	1=-43 (LC 12), 3=-86 (LC 12)
	**V03**	6 /12	2-11-08	5-11-00	24" o.c	**REACTIONS**	(lb/size)	1=190/5-11-00, (min. 1-08), 3=190/5-11-00, (min. 1-08)
							Max Horiz	1=148 (LC 12)
							Max Uplift	1=-63 (LC 12), 3=-133 (LC 12)

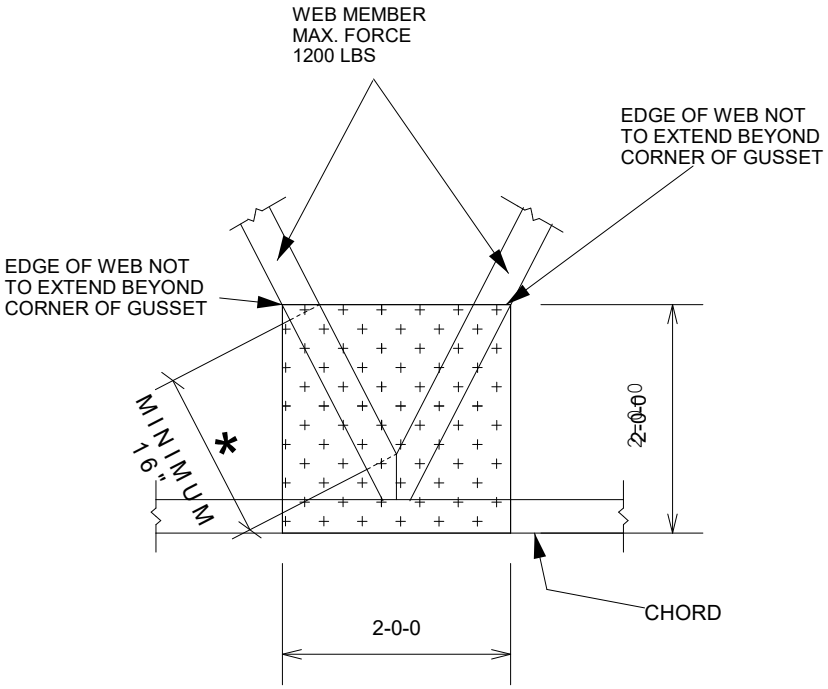
MiTek USA, Inc.

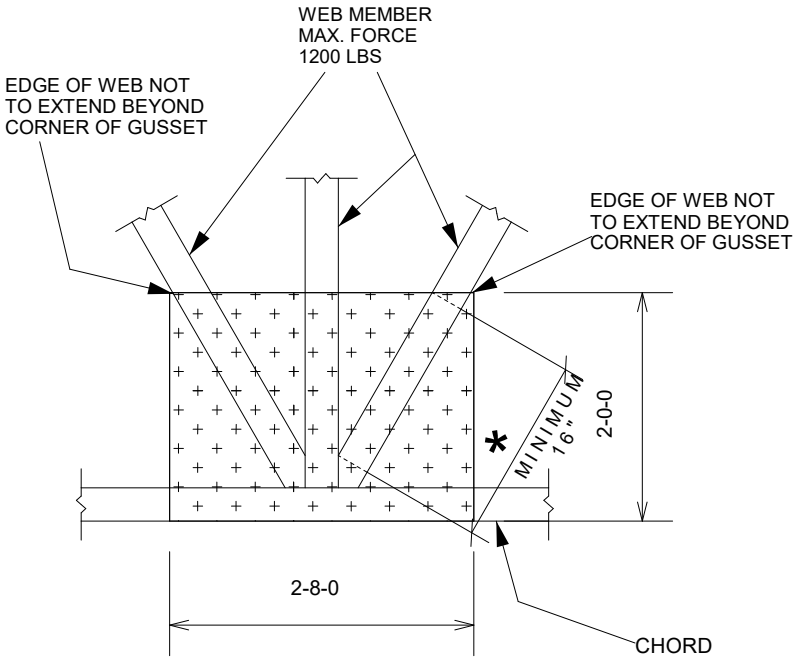
1. ALL MATERIAL IS 2x4
2. THIS DETAIL IS APPLICABLE FOR DESIGNS WITH DOLS. OF 1.15 OR 1.25 AND LUMBER SPECIES SP, DF, HF, OR SPF.
3. DETAIL SHALL BE USED FOR CONDITIONS OF A MISSING OR LOOSE CONNECTOR PLATE ONLY.
4. CHORD MATERIAL IS CONTINUOUS THROUGH JOINT, THERE IS NO MAXIMUM CHORD FORCE AND NO SPLICE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

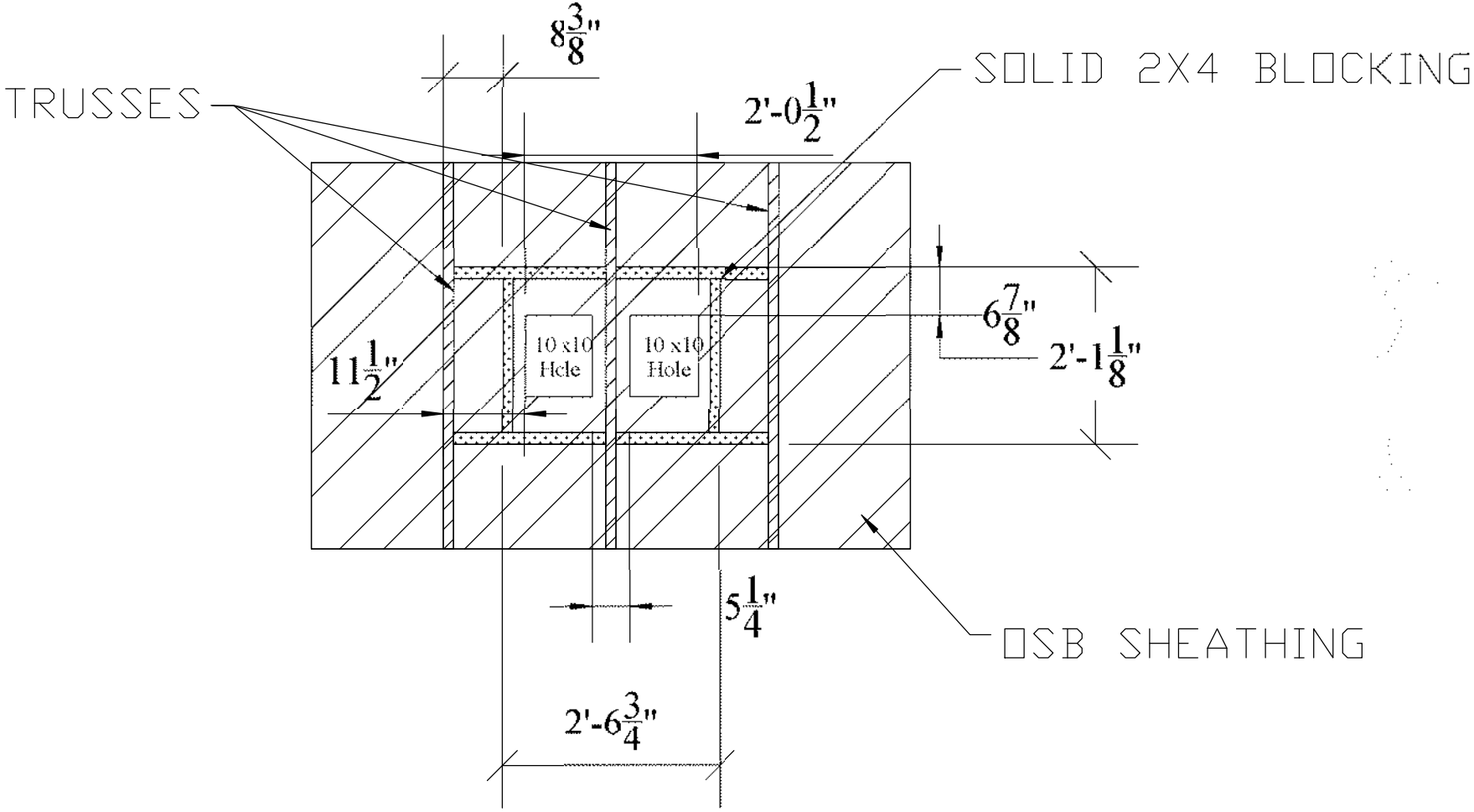






* MEASUREMENT TAKEN AT POINTS WHERE WEB ACHIEVES FULL MEMBER DEPTH (AS MEASURED PERPENDICULAR TO WEB'S SAW-MILLED EDGE)

OFF-RIDGE INSTALLATION



LAMANCO OFF RIDGE VENT FRAMING DETAIL

Maronda Homes

TRUSS DETAILS

OFF-RIDGE INSTALLATION

DRAWN BY: J.FESSIA

RELEASE DATE: 12/9/09

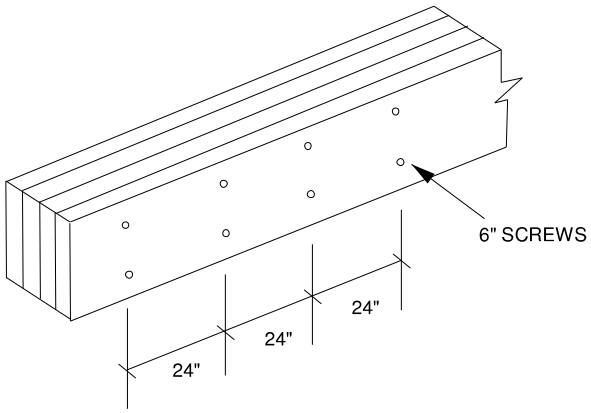
SHEET:

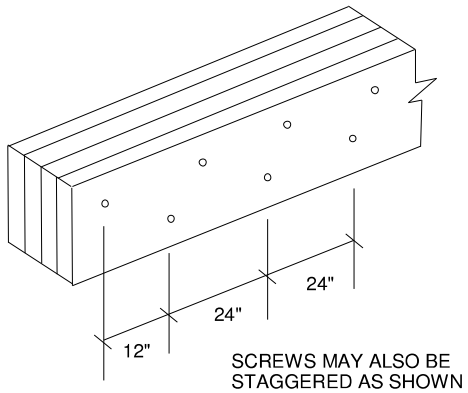
OR1

FLORIDA RESIDENTIAL

MiTek USA, Inc.

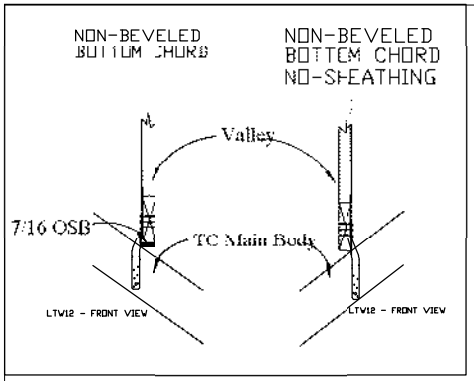
Four ply girder trusses are to be connected together using the nailing or screw schedule provided by Mitek 20/20 software. In addition to the nailing typically specified, 1/2" dia. bolts are sometimes specified throughout certain chords as indicated on the truss design drawing. In lieu of these bolts, 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.



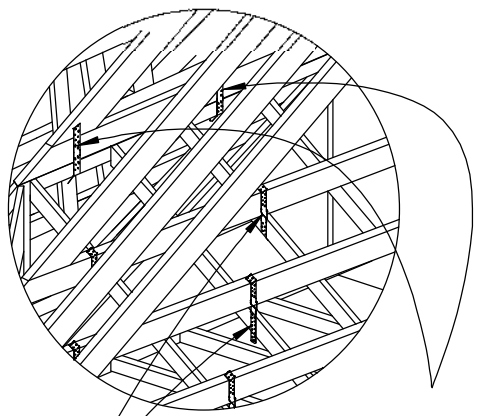
VALLEY CONNECTIONS

(ELEMENTS NOT SHOWN FOR CLARITY)

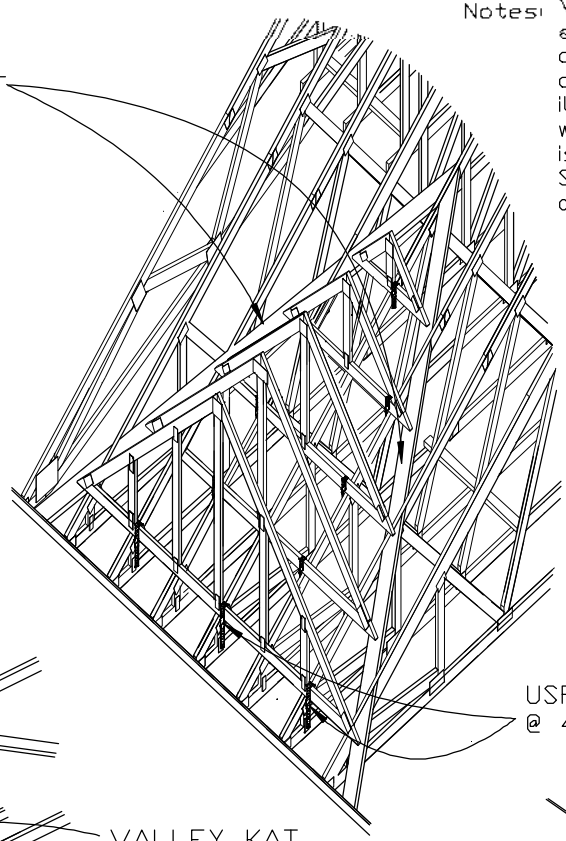
Notes:

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.

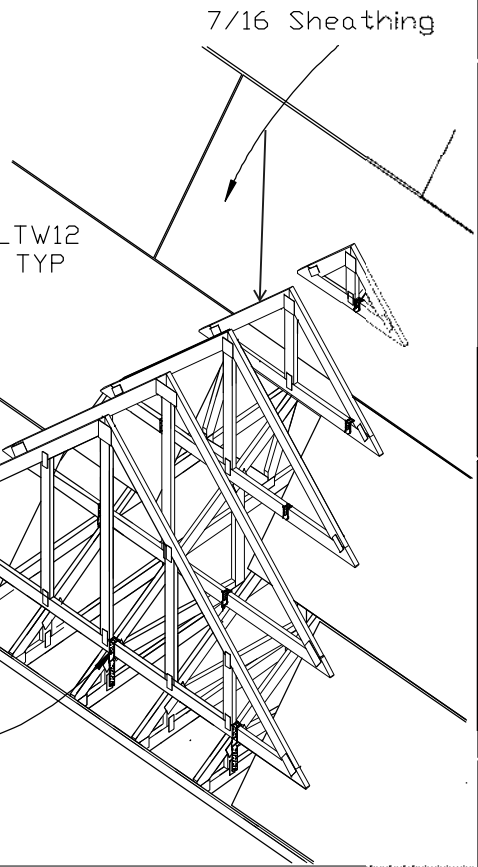
Main body trusses 2'OC perpendicular to valley is considered to be continuous bearing. If sheathing exists under valleys, Sheathing is not required to be continuous See NON BEVELED BOTTOM CHORD Detail

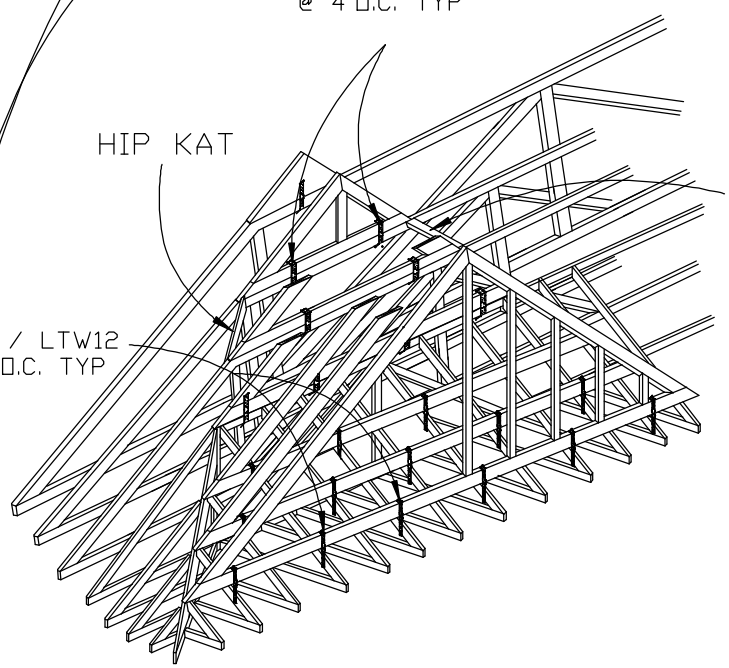


USP / MSTA12
@ 4'O.C. TYP



USP / LTW12
@ 4'O.C. TYP





USP / LTW12
@ 4'O.C. TYP

REVISIONS

Maronda Homes

TRUSS DETAILS

VALLEY CONNECTIONS

DRAWN BY: J.FESSIA

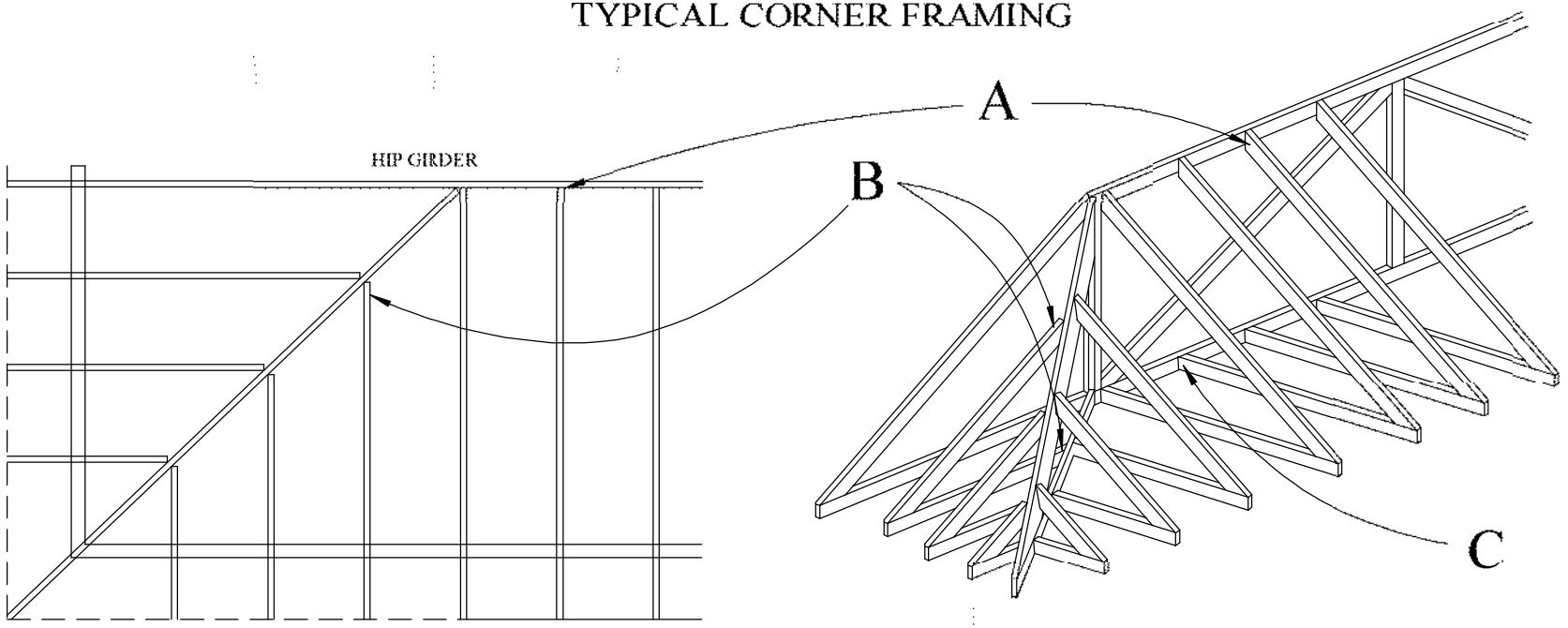
RELEASE DATE: 12/7/09

SHEET:

VC1

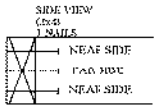
TOE-NAILED CONNECTIONS AT BEARING LOCATIONS

TYPICAL CORNER FRAMING

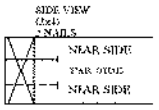


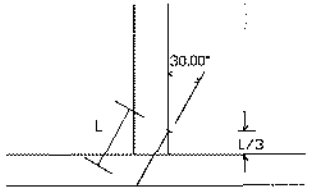
90 DEGREE ANGLE/SQUARE CUT

Connection at A



Connection at C

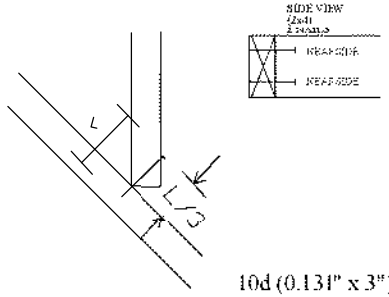




10d (0.131" x 3") nails

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

BLD-ASD DATE: 2/9/09

SHEET:

TN1

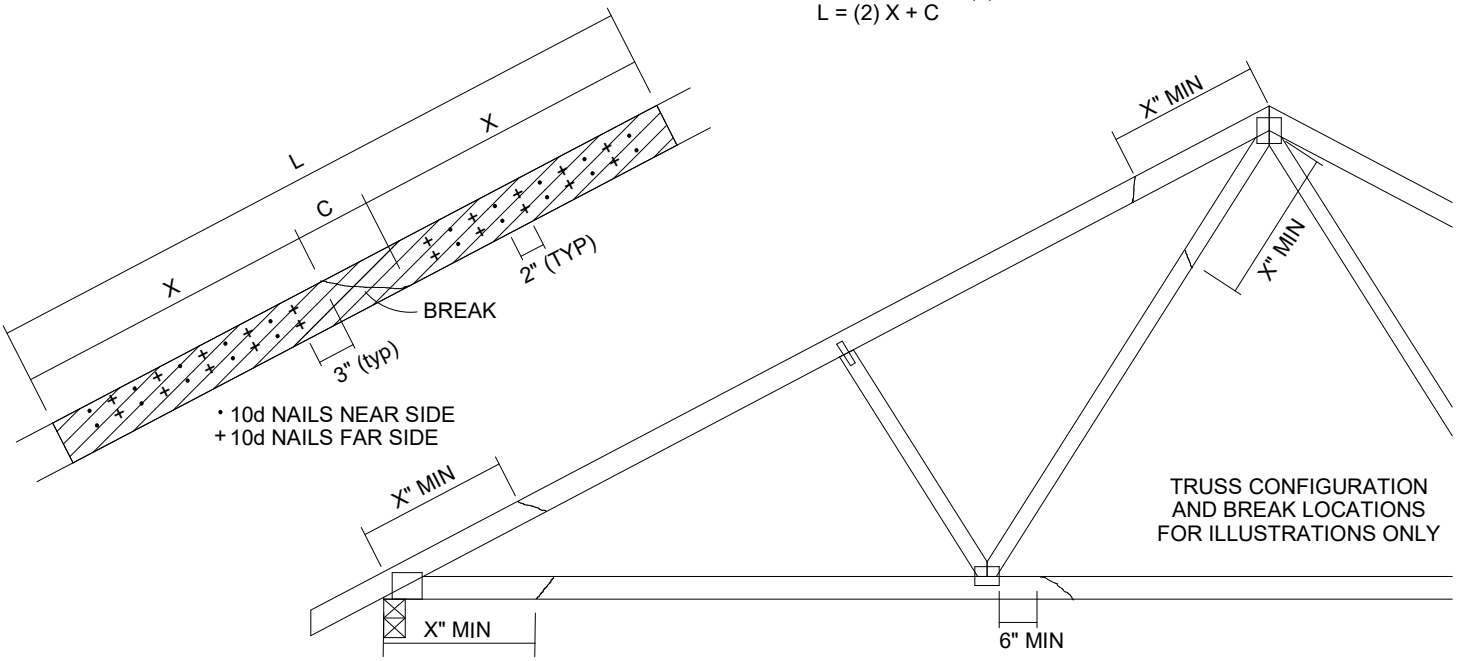
MiTek® ENGINEERED BY TRENCO A MiTek Affiliate

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.

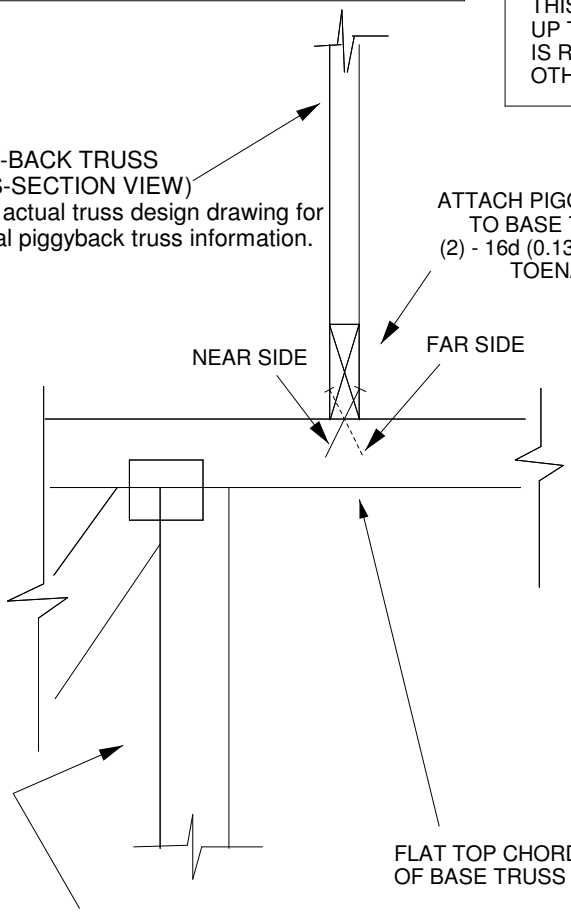
APRIL 12, 2019	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL (PERPENDICULAR)	MII-PIGGY-PERP.

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	J BASE
Livorno J Frame _	G76	Common Structural Gable	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:07 — Page: 1

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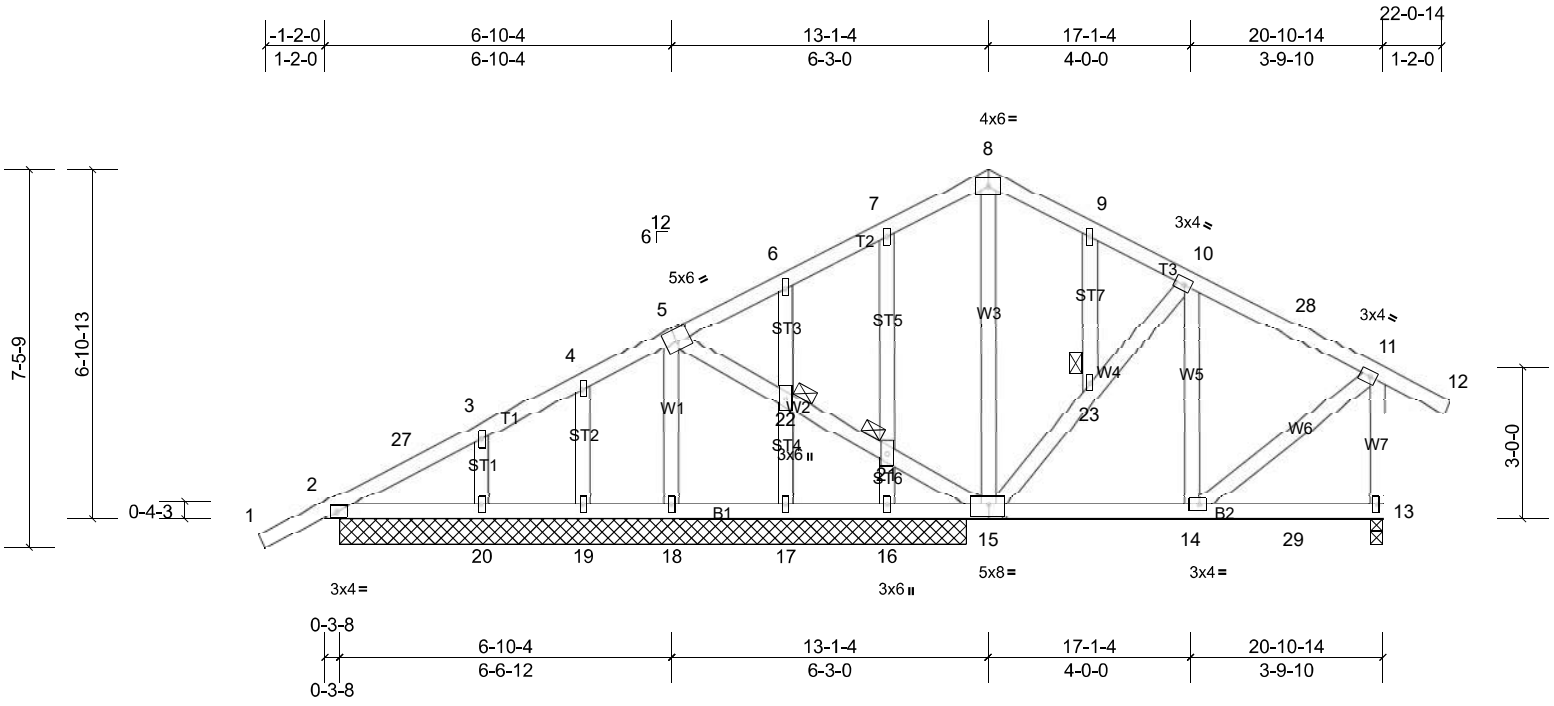


Plate Offsets (X, Y): [5:0-3-0,0-3-0], [15:0-3-12,0-3-0]

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	0.16	Vert(LL)	0.02	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.01	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 143 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 12-4-10. except 13=0-3-0

(lb) - Max Horiz 2=229 (LC 11), 24=229 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 16, 18, 19, 24 except 13=-136 (LC 13), 15=-193 (LC 13), 17=-101 (LC 12), 20=-136 (LC 12)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 16, 17, 18, 19, 20, 24 except 13=298 (LC 1), 15=378 (LC 1)

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

TOP CHORD	10-28=-117/286, 11-28=-147/273, 11-13=-266/391
WEBS	15-23=-194/436, 10-23=-174/404

BRACING

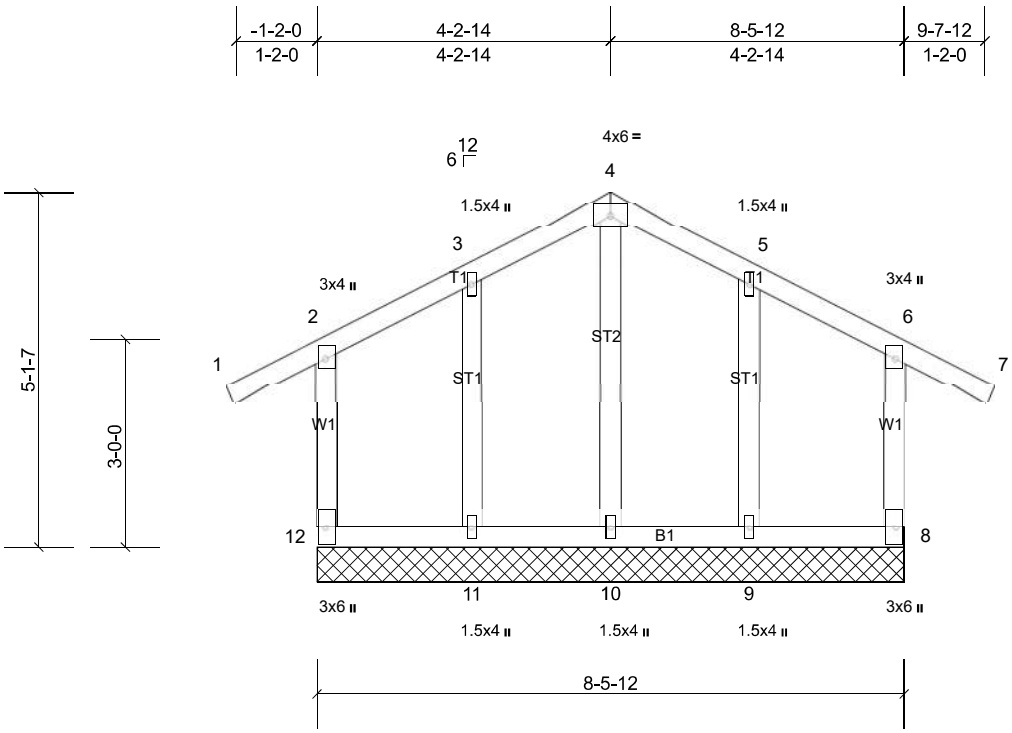
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 14-15,13-14.
JOINTS	1 Brace at Jt(s): 21, 22, 23

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 13-1-4, Zone2 13-1-4 to 17-1-4, Zone1 17-1-4 to 22-1-11 zone; end vertical right exposed; porch 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) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 100 lb uplift at joint(s) 2, 18, 16, 19, 2 except (jt=lb) 15=192, 13=135, 17=100, 20=135.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	G77	Common Supported Gable	1	1	Job Reference (optional)



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	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MR							Weight: 56 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS All bearings 8-5-12.
(lb) - Max Horiz 12=188 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) except 8=-151 (LC 9), 9=-141 (LC 8), 11=-142 (LC 9), 12=-153 (LC 8)
Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-164/469, 3-4=-70/307, 4-5=-71/308, 6-8=-163/468
WEBS 3-11=-181/293, 5-9=-180/292

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; 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) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 12, 151 lb uplift at joint 8, 142 lb uplift at joint 11 and 140 lb uplift at joint 9.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	G78	Half Hip	1	1	Job Reference (optional)

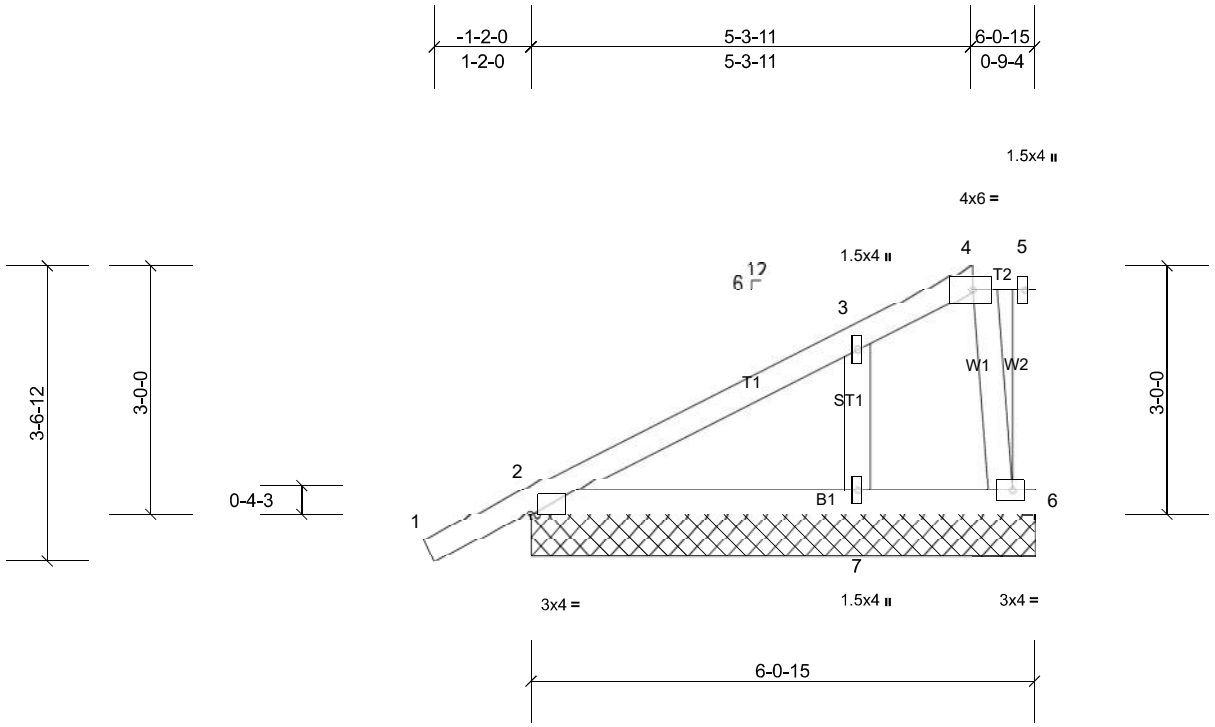


Plate Offsets (X, Y): [2:0-1-0,Edge]

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	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 31 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS All bearings 6-0-15.
(lb) - Max Horiz 2=174 (LC 12), 8=174 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8 except 7=-142 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 8 except 7=271 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-252/505

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) 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.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 2 except (jt=lb) 7=141.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	G84	Hip Supported Gable	1	1	Job Reference (optional)

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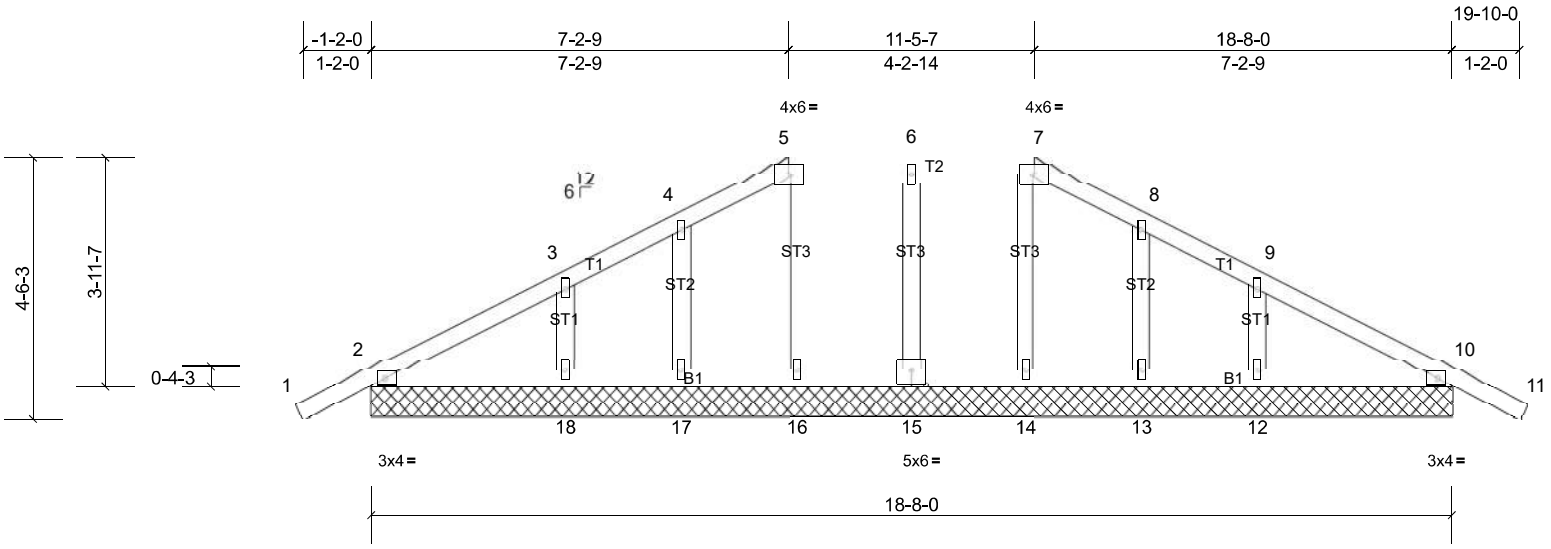


Plate Offsets (X, Y): [15:0-3-0,0-3-0]

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 89 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 or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 18-8-0.

(lb) - Max Horiz 2=100 (LC 12), 19=100 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 10, 13, 14, 15, 16, 17, 19, 23 except 12=-143 (LC 13), 18=-144 (LC 12)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 10, 12, 13, 14, 15, 16, 17, 18, 19, 23

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

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever 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) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 0-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 14, 15, 16, 17, 13, 2, 10 except (jt=lb) 18=144, 12=143.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	GP01	Roof Special Girder	1	3	Job Reference (optional)

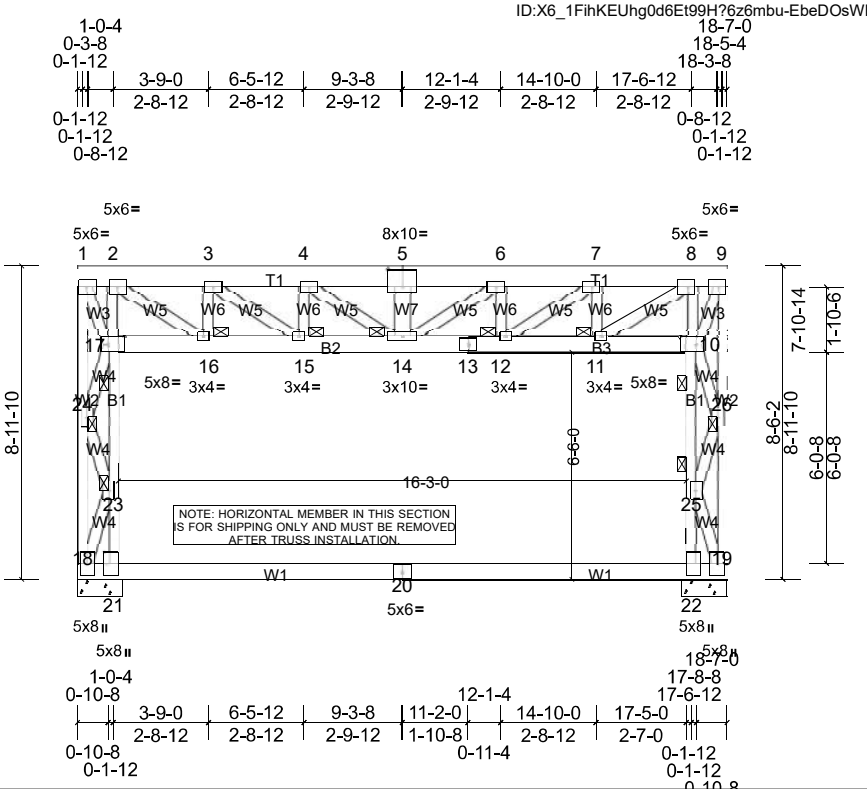


Plate Offsets (X, Y): [5:0-5-0,0-6-0], [10:0-5-8,0-2-8], [17:0-5-8,0-2-8], [18:0-3-12,0-2-8], [19:0-3-12,0-2-8], [21:0-3-15,0-3-7], [22:0-3-15,0-0-1]

Loading	(psf)	Spacing	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	0.03	14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.04	14	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	19	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 741 lb	FT = 20%

LUMBER
TOP CHORD 2x8 SP No.2
BOT CHORD 2x4 SP No.2 *Except* B3,B2:2x6 SP No.2
WEBS 2x4 SP No.2 *Except* W1,W7:2x6 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 6-0-0 oc bracing: 21-23, 2-23, 22-25, 8-25
WEBS 1 Row at midpt 1-18, 9-19
JOINTS 1 Brace at Jt(s): 16, 15, 14, 12, 11, 23, 25

REACTIONS All bearings 1-3-8.
(lb) - Max Horiz 18=-243 (LC 21)
Max Uplift All uplift 100 (lb) or less at joint(s) except 18=-1103 (LC 21), 19=-1937 (LC 24), 21=-828 (LC 23), 22=-1830 (LC 22)
Max Grav All reactions 250 (lb) or less at joint(s) except 18=1269 (LC 16), 19=2293 (LC 25), 21=941 (LC 26), 22=1826 (LC 27)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-24=-607/638, 1-24=-678/672, 1-2=-273/264, 2-3=-1902/1472, 3-4=-2621/1869, 4-5=-2968/1996, 5-6=-2968/1904, 6-7=-2581/1767, 7-8=-1703/1373, 8-9=-320/353, 19-26=-1436/1247, 9-26=-876/1010
BOT CHORD 21-23=-941/827, 17-23=-1463/966, 2-17=-1747/1278, 16-17=-659/655, 15-16=-1135/1410, 14-15=-1708/2351, 13-14=-1690/2312, 12-13=-1187/2312, 11-12=-1114/1296, 10-11=-771/657, 22-25=-1773/1777, 10-25=-2338/1927, 8-10=-2136/1656
WEBS 18-21=-276/332, 20-21=-274/328, 20-22=-274/328, 19-22=-282/337, 2-16=-1597/2116, 3-16=-1249/983, 3-15=-1346/1661, 4-15=-923/786, 4-14=-933/997, 5-14=-492/265, 6-14=-937/1064, 6-12=-957/782, 7-12=-1342/1725, 7-11=-1295/1004, 8-11=-1625/2179, 18-23=-708/683, 23-24=-580/590, 17-24=-598/446, 1-17=-610/610, 19-25=-915/737, 25-26=-624/766, 10-26=-686/478, 9-10=-867/771

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, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 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) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=17ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) 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.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1102 lb uplift at joint 18, 1936 lb uplift at joint 19, 827 lb uplift at joint 21 and 1829 lb uplift at joint 22.
9) Load case(s) 14, 41, 42, 43, 44 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) 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 0-10-0 to 18-7-0 for 225.4 plf.

LOAD CASE(S) Standard

Continued on page 2

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-9=-153, 10-17=-10

14) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (lb/ft)
Vert: 1-9=-74, 10-17=-10

41) Dead + DragE LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (lb/ft)
Vert: 1-9=-74, 10-17=-10
Drag: 2-9=215, 10-17=-225, 10-22=-225, 8-10=-225

42) Dead + DragE LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (lb/ft)
Vert: 1-9=-74, 10-17=-10
Drag: 2-9=-215, 10-17=225, 10-22=225, 8-10=225

43) 0.6 Dead + DragE LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (lb/ft)
Vert: 1-9=-44, 10-17=-6
Drag: 2-9=215, 10-17=-225, 10-22=-225, 8-10=-225

44) 0.6 Dead + DragE LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (lb/ft)
Vert: 1-9=-44, 10-17=-6
Drag: 2-9=-215, 10-17=225, 10-22=225, 8-10=225

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	GP02	Roof Special Girder	1	3	Job Reference (optional)

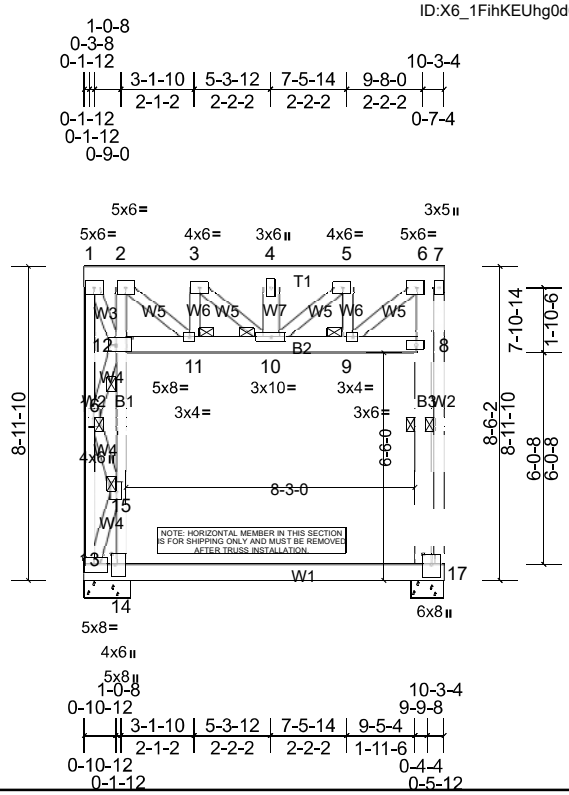


Plate Offsets (X, Y): [12:0-5-8,0-2-8], [13:Edge,0-2-4], [14:0-3-13,0-3-7], [17:0-3-8,0-2-12]

Loading	(psf)	Spacing	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	0.01	10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	10	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 486 lb	FT = 20%

LUMBER
TOP CHORD 2x8 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B1:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W7,W1:2x6 SP No.2

REACTIONS (lb/size) 13=339/1-3-12, (min. 0-1-8), 14=562/1-3-12, (min. 0-1-8), 17=862/0-11-8, (min. 0-1-8)
Max Horiz 13=-267 (LC 25)
Max Uplift 13=-816 (LC 24), 14=-1296 (LC 26), 17=-2672 (LC 27)
Max Grav 13=783 (LC 31), 14=1499 (LC 29), 17=2960 (LC 28)

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: 14-15, 2-15, 6-17
WEBS 1 Row at midpt 1-13, 7-17
JOINTS 1 Brace at Jt(s): 11, 10, 9, 15

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-16=-560/572, 1-16=-868/797, 1-2=-376/342, 2-3=-1288/1055, 3-4=-1398/1093, 4-5=-1193/887, 5-6=-997/779, 7-17=-571/572
BOT CHORD 14-15=-1499/1296, 12-15=-627/603, 2-12=-1014/934, 11-12=-521/536, 10-11=-919/1066, 9-10=-930/1073, 8-9=-506/508, 8-17=-2486/2253, 6-8=-844/493
WEBS 2-11=-1050/1250, 3-11=-856/757, 5-10=-870/972, 5-9=-999/844, 6-9=-1189/1454, 4-10=-418/226, 3-10=-871/864, 13-15=-550/573, 15-16=-490/473, 12-16=-389/352, 1-12=-751/813

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, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered 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=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=17ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) 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.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 816 lb uplift at joint 13, 1296 lb uplift at joint 14 and 2672 lb uplift at joint 17.
8) Load case(s) 14, 44, 45, 46, 47 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) 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 0-10-4 to 10-3-4 for 265.5 plf.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-7=-168, 8-12=-10
14) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (lb/ft)

Continued on page 2

Vert: 1-7=-82, 8-12=-10

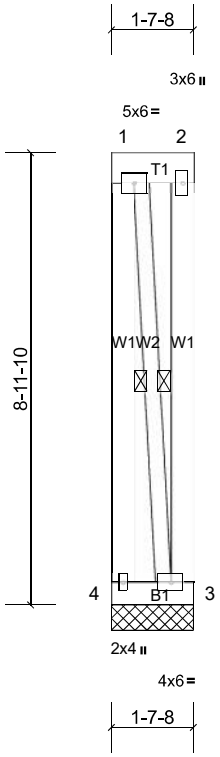
44) Dead + DragE LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (lb/ft)
Vert: 1-7=-82, 8-12=-10, 8-17=13805
Horz: 8-17=5
Drag: 2-7=243, 8-12=-265

45) Dead + DragE LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (lb/ft)
Vert: 1-7=-82, 8-12=-10, 8-17=-13805
Horz: 8-17=-5
Drag: 2-7=-243, 8-12=265

46) 0.6 Dead + DragE LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (lb/ft)
Vert: 1-7=-49, 8-12=-6, 8-17=13805
Horz: 8-17=5
Drag: 2-7=243, 8-12=-265

47) 0.6 Dead + DragE LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (lb/ft)
Vert: 1-7=-49, 8-12=-6, 8-17=-13805
Horz: 8-17=-5
Drag: 2-7=-243, 8-12=265

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	GP03	GABLE	1	**3**	Job Reference (optional)



Loading	(psf)	**Spacing**	1-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.00	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	78.0	Lumber DOL	1.25	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	81.0	Code	FRC2023/TPI2014	Matrix-P							Weight: 173 lb	FT = 20%

LUMBER

TOP CHORD	2x8 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x6 SP No.2 *Except* W2:2x4 SP No.2

REACTIONS (lb/size) 3=102/1-7-8, (min. 0-1-8), 4=102/1-7-8, (min. 0-1-8)
Max Uplift 3=-10 (LC 4), 4=-10 (LC 4)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 1-4, 2-3

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

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 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: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=17ft; 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) Gable requires continuous bottom chord bearing.
6) 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.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 4 and 10 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H06	Hip	1	1	Job Reference (optional)

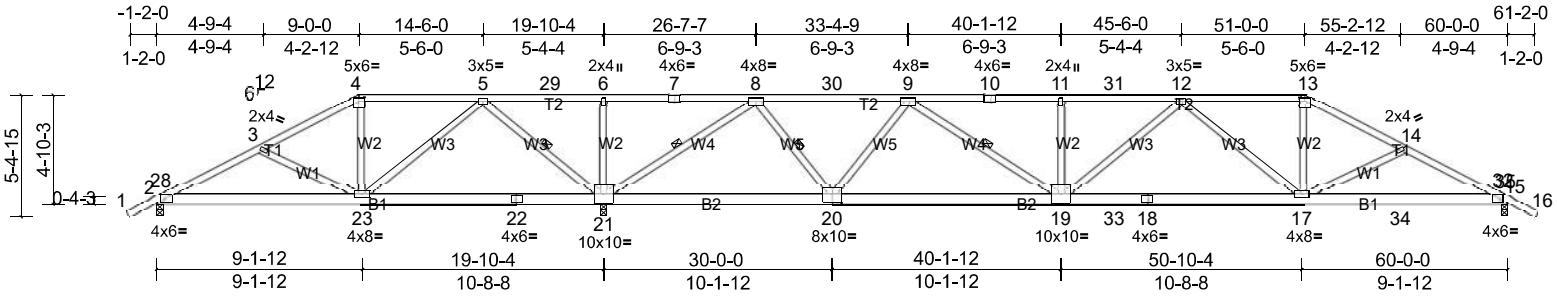


Plate Offsets (X, Y): [4:0-3-0,0-2-0], [7:0-3-0,Edge], [10:0-3-0,Edge], [13:0-3-0,0-2-0], [20:0-5-0,0-4-8]

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	0.75	Vert(LL)	0.48	17-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	0.37	17-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.05	15	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 354 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 3-8-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-11-9 oc bracing.
WEBS 1 Row at midpt 5-21, 8-20, 8-21, 9-19

REACTIONS (lb/size) 2=278/0-3-8, (min. 0-1-8), 15=1167/0-3-8, (min. 0-1-8), 21=2628/0-3-8, (min. 0-3-2)
Max Horiz 2=-121 (LC 13)
Max Uplift 2=-258 (LC 12), 15=-888 (LC 8), 21=-1969 (LC 9)
Max Grav 2=416 (LC 19), 15=1174 (LC 26), 21=2628 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-28=-794/256, 2-28=-791/258, 2-3=-738/351, 3-4=-901/287, 4-5=-764/252, 5-29=-2250/1842, 6-29=-2250/1842, 6-7=-2250/1842, 7-8=-2250/1842, 8-30=-859/1473, 9-30=-859/1473, 9-10=-2107/3201, 10-11=-2107/3201, 11-31=-2107/3201, 12-31=-2107/3201, 12-13=-1710/2679, 13-14=-1938/2918, 14-15=-2160/3087, 15-32=-2149/3100, 15-32=-2163/3099
BOT CHORD 2-23=-332/748, 22-23=-862/1660, 21-22=-862/1660, 19-20=-1909/1437, 19-33=-2824/2063, 18-33=-2824/2063, 17-18=-2824/2063, 17-34=-2657/1916, 15-34=-2657/1916, 15-35=-2648/1908, 15-35=-2649/1908
WEBS 3-23=-260/299, 4-23=-265/572, 5-23=-825/922, 13-17=-1135/649, 14-17=-253/361, 6-21=-288/286, 5-21=-1316/1134, 11-19=-273/278, 12-17=-521/540, 8-20=-1868/1208, 8-21=-2308/3113, 9-20=-967/1157, 9-19=-1234/816

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-7-3, Zone1 4-7-3 to 9-0-0, Zone2 9-0-0 to 17-5-13, Zone1 17-5-13 to 51-0-0, Zone2 51-0-0 to 59-5-13, Zone1 59-5-13 to 61-2-13 zone; cantilever left and right exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 258 lb uplift at joint 2, 1969 lb uplift at joint 21 and 888 lb uplift at joint 15.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H09	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:13 — Page: 1

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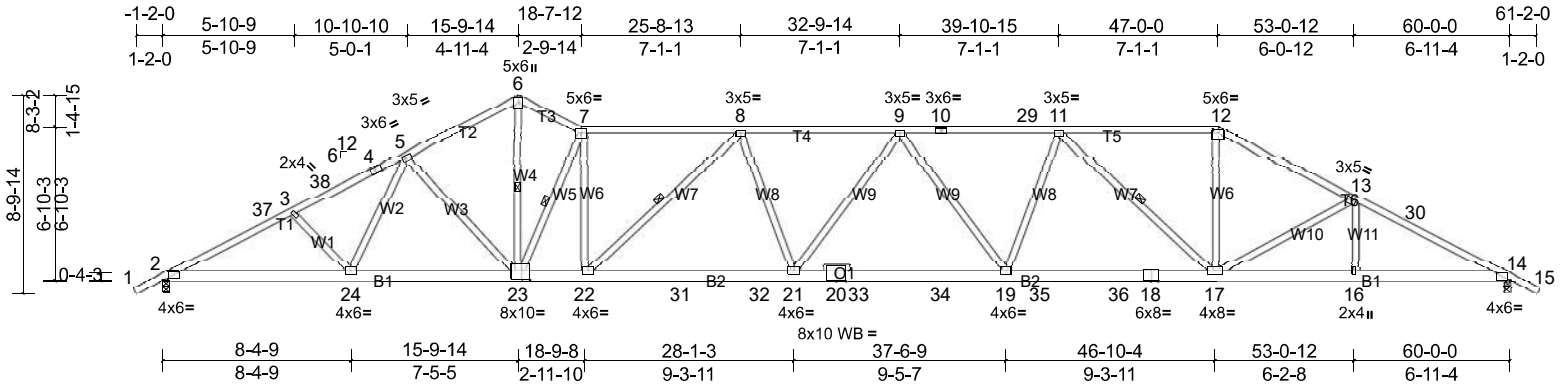

Plate Offsets (X, Y): [2:0-2-12,0-1-1], [12:0-3-0,0-2-0], [14:0-1-4,0-0-1], [23:0-4-4,0-4-8]

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	0.99	Vert(LL)	0.70	19-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-1.12	21-22	>641	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.26	14	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 388 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
OTHERS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 8-22, 11-17, 6-23, 7-23

REACTIONS (lb/size) 2=2037/0-3-8, (min. 0-2-12), 14=2037/0-3-8, (min. 0-2-12)
Max Horiz 2=-201 (LC 13)
Max Uplift 2=-728 (LC 13), 14=-1008 (LC 13)
Max Grav 2=2310 (LC 2), 14=2325 (LC 2)

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

TOP CHORD 6-7=-3820/1590, 7-8=-4591/1819, 8-9=-5381/2204, 9-10=-5063/2150, 10-29=-5063/2150, 11-29=-5063/2150, 11-12=-3686/1667, 12-13=-4140/1780, 13-30=-4620/1970, 14-30=-4671/1958, 2-37=-4623/1756, 3-37=-4557/1766, 3-38=-4492/1707, 4-38=-4447/1711, 4-5=-4429/1721, 5-6=-3853/1560

BOT CHORD 2-24=-1464/4116, 23-24=-1266/3757, 22-23=-1423/4573, 22-31=-1817/5261, 31-32=-1817/5261, 21-32=-1817/5261, 20-21=-1909/5317, 20-33=-1909/5317, 33-34=-1909/5317, 19-34=-1909/5317, 19-35=-1738/4792, 35-36=-1738/4792, 18-36=-1738/4792, 17-18=-1738/4792, 16-17=-1624/4149, 14-16=-1624/4149

WEBS 7-22=-262/880, 8-22=-987/535, 8-21=-11/402, 9-19=-431/300, 11-19=-131/792, 11-17=-1511/701, 12-17=-522/1606, 13-17=-576/417, 13-16=0/278, 6-23=-1229/3229, 7-23=-2912/1244, 3-24=-236/286, 5-24=-145/528, 5-23=-520/394

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 15-9-14, Zone3 15-9-14 to 18-7-12, Zone1 18-7-12 to 47-0-0, Zone2 47-0-0 to 55-5-13, Zone1 55-5-13 to 61-2-13 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 728 lb uplift at joint 2 and 1008 lb uplift at joint 14.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H10	Roof Special	1	1	Job Reference (optional)

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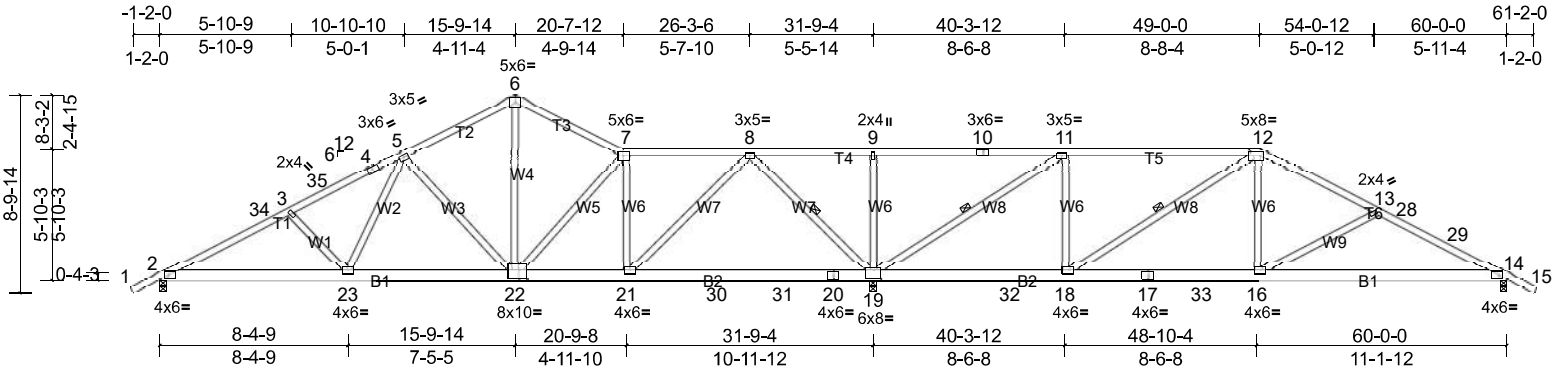

Plate Offsets (X, Y): [12:0-6-0,0-2-8], [19:0-4-0,0-4-8], [22:0-4-4,0-4-8]

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	0.89	Vert(LL)	-0.13	16-27	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.28	16-27	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 374 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 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-19, 11-19, 12-18

REACTIONS (lb/size) 2=895/0-3-8, (min. 0-1-8), 14=752/0-3-8, (min. 0-1-8), 19=2426/0-3-8, (min. 0-3-4)
Max Horiz 2=-201 (LC 13)
Max Uplift 2=-409 (LC 12), 14=-427 (LC 13), 19=-1097 (LC 13)
Max Grav 2=974 (LC 2), 14=863 (LC 28), 19=2780 (LC 2)

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

TOP CHORD 6-7=-835/483, 7-8=-691/359, 8-9=-418/1289, 9-10=-418/1289, 10-11=-418/1289, 11-12=-369/351, 12-13=-1062/526, 13-28=-1230/708, 28-29=-1277/698, 14-29=-1296/696, 2-34=-1626/722, 3-34=-1560/731, 3-35=-1495/659, 4-35=-1450/667, 4-5=-1417/676, 5-6=-840/507

BOT CHORD 2-23=-659/1475, 22-23=-404/1111, 21-22=-105/720, 21-30=-214/294, 30-31=-214/294, 20-31=-214/294, 19-20=-214/294, 19-32=-140/369, 18-32=-140/369, 17-18=-204/921, 17-33=-204/921, 16-33=-204/921, 14-16=-510/1149

WEBS 7-21=-579/406, 12-16=-73/573, 13-16=-302/395, 9-19=-325/323, 8-21=-418/1254, 8-19=-1542/675, 11-18=-56/641, 11-19=-1860/842, 12-18=-700/288, 6-22=-217/530, 3-23=-236/287, 5-23=-145/541, 5-22=-534/393

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 15-9-14, Zone3 15-9-14 to 20-7-12, Zone1 20-7-12 to 49-0-0, Zone2 49-0-0 to 57-5-13, Zone1 57-5-13 to 61-2-13 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 2, 427 lb uplift at joint 14 and 1097 lb uplift at joint 19.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H11	Roof Special	1	1	Job Reference (optional)

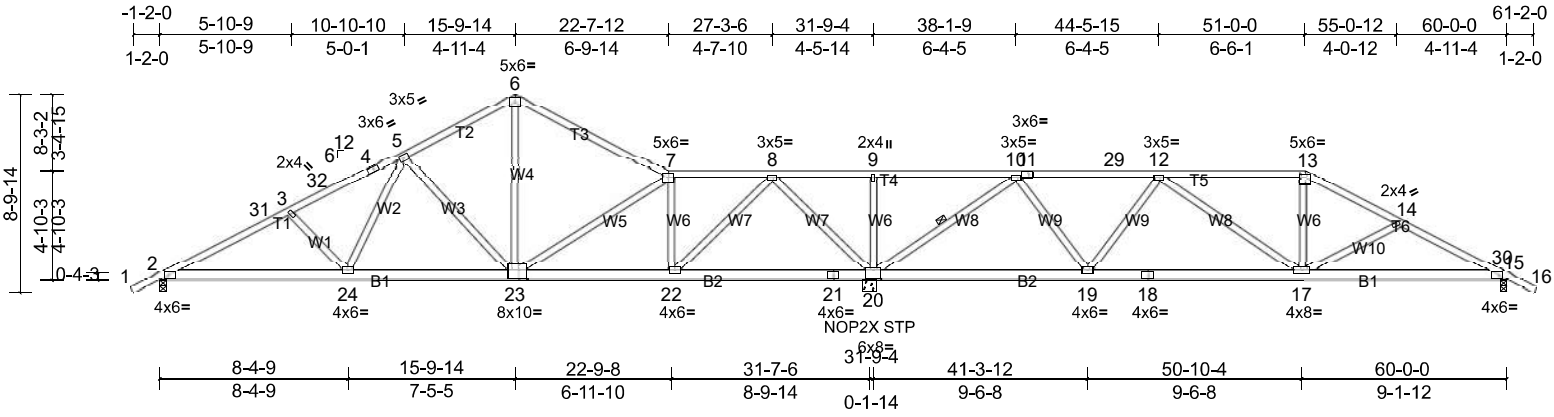

Plate Offsets (X, Y): [13:0-3-0,0-2-0], [20:0-4-0,0-4-8], [23:0-4-4,0-4-8]

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	0.68	Vert(LL)	0.09	24-26	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.13	24-26	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.04	15	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 367 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 4-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 10-20

REACTIONS (lb/size) 2=897/0-3-8, (min. 0-1-8), 15=753/0-3-8, (min. 0-1-8), 20=2423/0-7-4, (min. 0-2-14)
Max Horiz 2=201 (LC 12)
Max Uplift 2=-416 (LC 12), 15=-430 (LC 13), 20=-1091 (LC 13)
Max Grav 2=897 (LC 1), 15=783 (LC 26), 20=2423 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-802/498, 7-8=-475/361, 8-9=-532/1411, 9-10=-532/1411, 10-11=-462/345, 11-29=-462/345, 12-29=-462/345, 12-13=-909/571, 13-14=-1055/583, 14-15=-1267/730, 15-30=-1258/621, 15-30=-1272/618, 2-31=-1497/777, 3-31=-1417/787, 3-32=-1340/713, 4-32=-1286/722, 4-5=-1246/730, 5-6=-783/560
BOT CHORD 2-24=-674/1312, 23-24=-415/977, 22-23=-105/498, 21-22=-390/365, 20-21=-390/365, 19-20=-220/265, 18-19=-355/762, 17-18=-355/762, 15-17=-544/1116
WEBS 7-22=-700/489, 13-17=-31/299, 14-17=-244/328, 9-20=-268/265, 6-23=-176/449, 3-24=-240/288, 5-24=-150/469, 5-23=-490/388, 8-22=-551/1200, 8-20=-1461/711, 10-19=-279/772, 10-20=-1592/847, 12-19=-555/429, 12-17=-106/291

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 15-9-14, Zone3 15-9-14 to 22-7-12, Zone1 22-7-12 to 51-0-0, Zone2 51-0-0 to 59-5-13, Zone1 59-5-13 to 61-2-13 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 416 lb uplift at joint 2, 430 lb uplift at joint 15 and 1091 lb uplift at joint 20.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H70	Hip	1	1	Job Reference (optional)

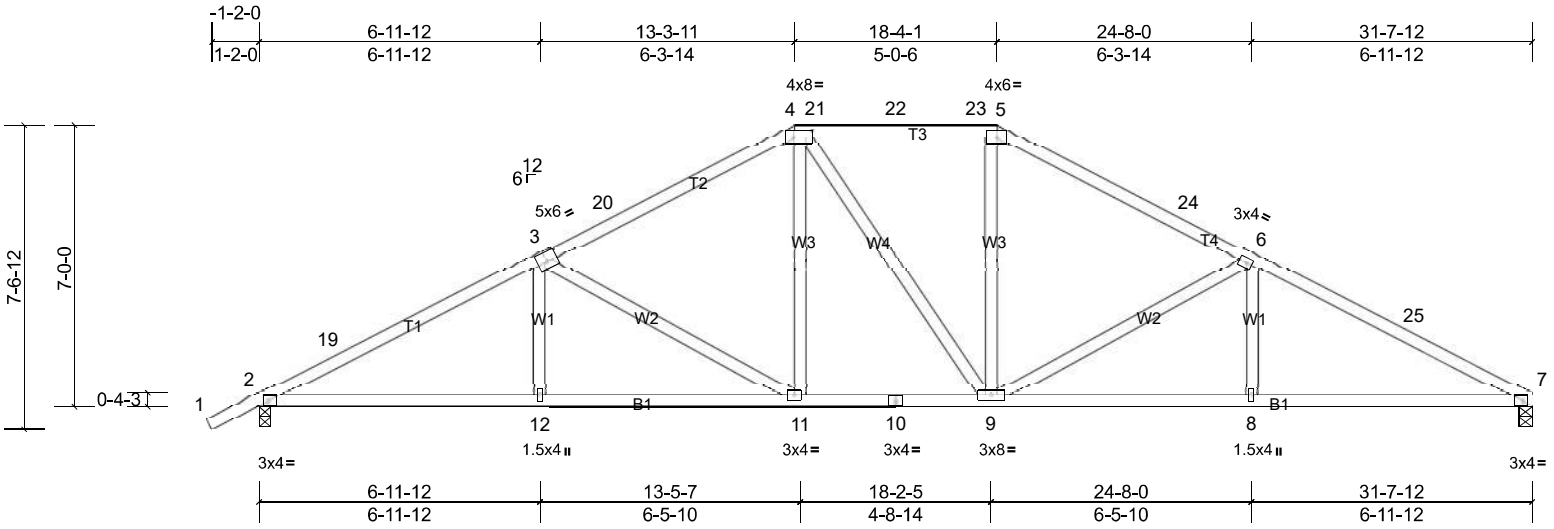

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [4:0-5-4,0-2-0]

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	0.51	Vert(LL)	0.14	8-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.19	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.08	7	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 162 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 3-9-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-13 oc bracing.

REACTIONS (lb/size) 2=1102/0-3-8, (min. 0-1-8), 7=1043/0-4-0, (min. 0-1-8)
Max Horiz 2=186 (LC 12)
Max Uplift 2=-477 (LC 12), 7=-429 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-1933/738, 3-19=-1875/757, 3-20=-1424/627, 4-20=-1351/648, 4-21=-1217/637, 21-22=-1217/637, 22-23=-1217/637, 5-23=-1217/637, 5-24=-1353/648, 6-24=-1427/626, 6-25=-1890/770, 7-25=-1931/756
BOT CHORD 2-12=-725/1677, 11-12=-727/1671, 10-11=-379/1215, 9-10=-379/1215, 8-9=-598/1690, 7-8=-598/1690
WEBS 3-12=0/291, 3-11=-536/403, 4-11=-128/427, 5-9=-108/427, 6-9=-551/413, 6-8=0/290

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-11-8, Zone1 1-11-8 to 13-3-11, Zone2 13-3-11 to 17-9-13, Zone1 17-9-13 to 18-4-1, Zone2 18-4-1 to 22-10-4, Zone1 22-10-4 to 31-7-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 429 lb uplift at joint 7 and 477 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H82A	Hip	1	1	Job Reference (optional)

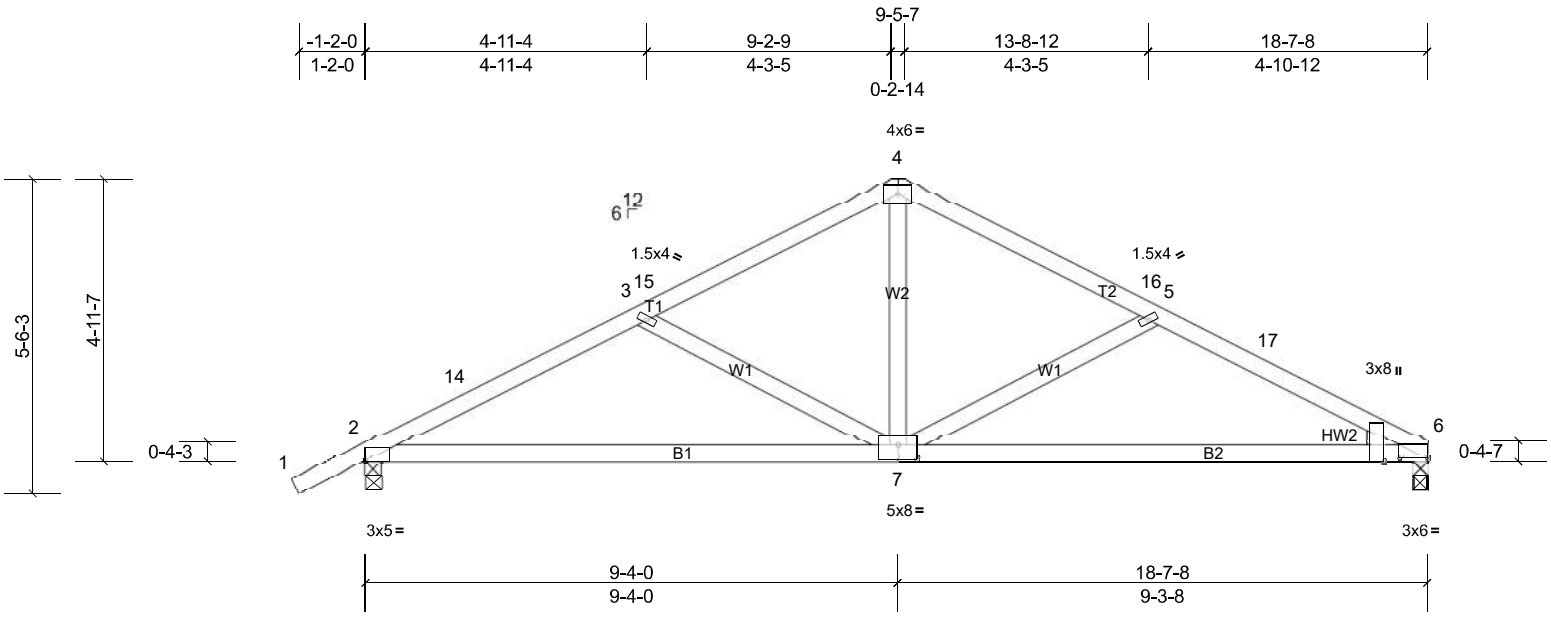

Plate Offsets (X, Y): [2:Edge,0-0-4], [6:0-6-0,0-0-4], [6:0-0-8,Edge], [7:0-4-0,0-3-0]

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	0.43	Vert(LL)	-0.13	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.27	7-10	>837	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 83 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
WEDGE	Right: 2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-4-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 8-11-9 oc bracing.

REACTIONS (lb/size) 2=673/0-3-8, (min. 0-1-8), 6=613/0-3-0, (min. 0-1-8)
Max Horiz 2=138 (LC 12)
Max Uplift 2=-298 (LC 12), 6=-247 (LC 13)

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

TOP CHORD	2-14=-1019/437, 3-14=-1003/452, 3-15=-779/308, 4-15=-772/325, 4-16=-773/336, 5-16=-779/319, 5-17=-982/451, 6-17=-1013/443
BOT CHORD	2-7=-423/897, 6-7=-332/904
WEBS	4-7=-119/529, 5-7=-298/307, 3-7=-289/306

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 9-4-0, Zone2 9-4-0 to 13-6-15, Zone1 13-6-15 to 18-7-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 298 lb uplift at joint 2 and 247 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H6611	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Aug 20 2023 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:18 — Page: 1

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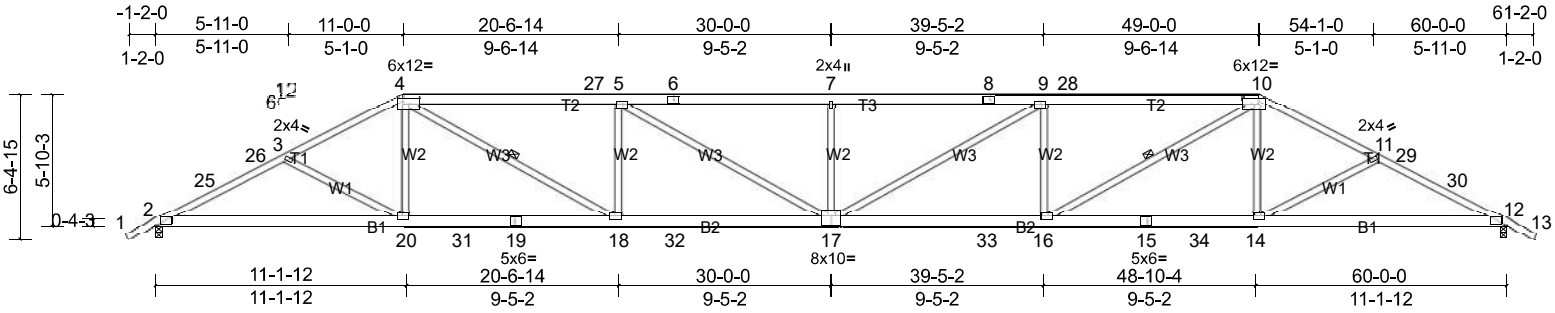

Plate Offsets (X, Y): [2:0-2-12,0-1-1], [4:0-5-4,0-3-8], [10:0-5-4,0-3-8], [12:0-2-12,0-1-1], [17:0-5-0,0-5-4]

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	0.95	Vert(LL)	0.79	17	>913	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-1.21	17-18	>596	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.23	12	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 385 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T1:2x4 SP No.2
BOT CHORD	2x6 SP No.1D
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-7-0 oc bracing.
WEBS	1 Row at midpt 4-18, 10-16

REACTIONS (lb/size) 2=2037/0-3-8, (min. 0-2-5), 12=2037/0-3-8, (min. 0-2-5)
Max Horiz 2=-142 (LC 13)
Max Uplift 2=-887 (LC 12), 12=-887 (LC 13)
Max Grav 2=2311 (LC 2), 12=2311 (LC 2)

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

TOP CHORD 2-25=-4577/1733, 25-26=-4535/1735, 3-26=-4488/1745, 3-4=-4331/1623, 4-27=-5805/2384, 5-27=-5806/2384, 5-6=-6405/2600, 6-7=-6405/2600, 7-8=-6405/2600, 8-9=-6405/2600, 9-28=-5806/2383, 10-28=-5805/2383, 10-11=-4331/1622, 11-29=-4488/1744, 29-30=-4535/1734, 12-30=-4554/1731

BOT CHORD 2-20=-1580/4059, 20-31=-1378/3849, 19-31=-1378/3849, 18-19=-1378/3849, 18-32=-2275/5804, 17-32=-2275/5804, 17-33=-2201/5804, 16-33=-2201/5804, 15-16=-1289/3849, 15-34=-1289/3849, 14-34=-1289/3849, 12-14=-1445/4059

WEBS 3-20=-288/347, 4-20=-55/585, 10-14=-54/585, 11-14=-288/347, 5-18=-848/668, 4-18=-1128/2306, 5-17=-471/738, 7-17=-409/408, 9-17=-471/738, 9-16=-848/668, 10-16=-1128/2306

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 11-0-0, Zone2 11-0-0 to 19-5-13, Zone1 19-5-13 to 49-0-0, Zone2 49-0-0 to 57-5-13, Zone1 57-5-13 to 61-2-13 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 887 lb uplift at joint 2 and 887 lb uplift at joint 12.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H6613	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Aug 20 2023 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:19 — Page: 1

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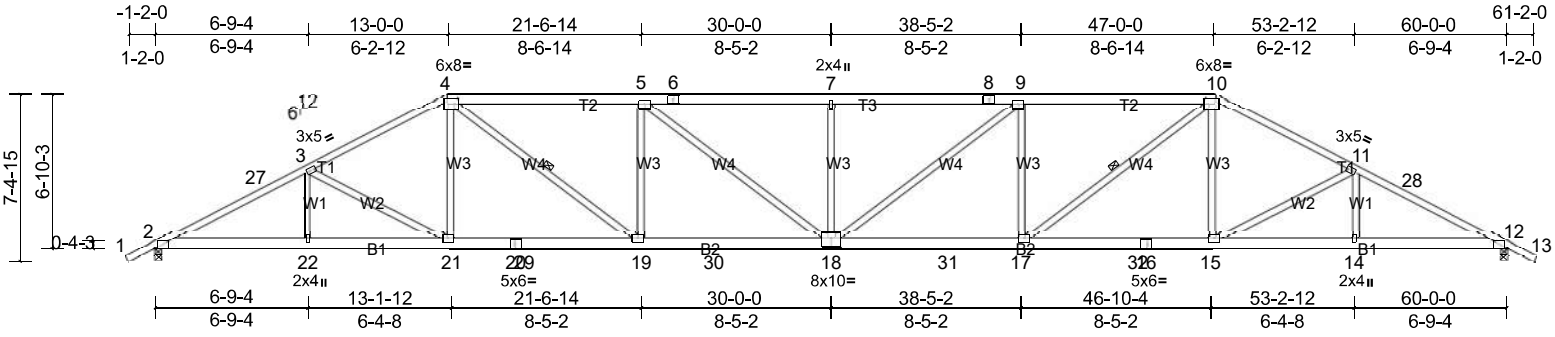

Plate Offsets (X, Y): [2:0-1-0,0-0-1], [4:0-2-0,0-3-4], [10:0-2-0,0-3-4], [12:0-1-0,0-0-1], [18:0-5-0,0-4-8]

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	0.86	Vert(LL)	0.64	18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-1.04	18-19	>694	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.28	12	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 400 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T1:2x4 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 2-2-0 oc bracing.
WEBS	1 Row at midpt 10-17, 4-19

REACTIONS (lb/size) 2=2037/0-3-8, (min. 0-2-12), 12=2037/0-3-8, (min. 0-2-12)
Max Horiz 2=166 (LC 12)
Max Uplift 2=-884 (LC 12), 12=-884 (LC 13)
Max Grav 2=2334 (LC 2), 12=2334 (LC 2)

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

TOP CHORD 2-27=-4704/1687, 3-27=-4648/1699, 3-4=-4169/1508, 4-5=-5077/1968, 5-6=-5480/2101, 6-7=-5480/2101, 7-8=-5480/2101, 8-9=-5480/2101, 9-10=-5077/1968, 10-11=-4169/1506, 11-28=-4652/1697, 12-28=-4704/1685

BOT CHORD 2-22=-1550/4180, 21-22=-1550/4180, 20-21=-1256/3692, 20-29=-1256/3692, 19-29=-1256/3692, 19-30=-1843/5076, 18-30=-1843/5076, 18-31=-1764/5076, 17-31=-1764/5076, 17-32=-1150/3692, 16-32=-1150/3692, 15-16=-1150/3692, 14-15=-1383/4180, 12-14=-1383/4180

WEBS 3-22=0/279, 3-21=-574/396, 4-21=-94/578, 10-15=-93/578, 11-15=-573/395, 11-14=0/279, 10-17=-840/1792, 5-19=-772/612, 4-19=-840/1792, 5-18=-385/560, 7-18=-370/365, 9-18=-386/560, 9-17=-772/612

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 13-0-0, Zone2 13-0-0 to 21-6-14, Zone1 21-6-14 to 47-0-0, Zone2 47-0-0 to 55-5-13, Zone1 55-5-13 to 61-2-13 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 884 lb uplift at joint 2 and 884 lb uplift at joint 12.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H6615	Hip	2	1	Job Reference (optional)

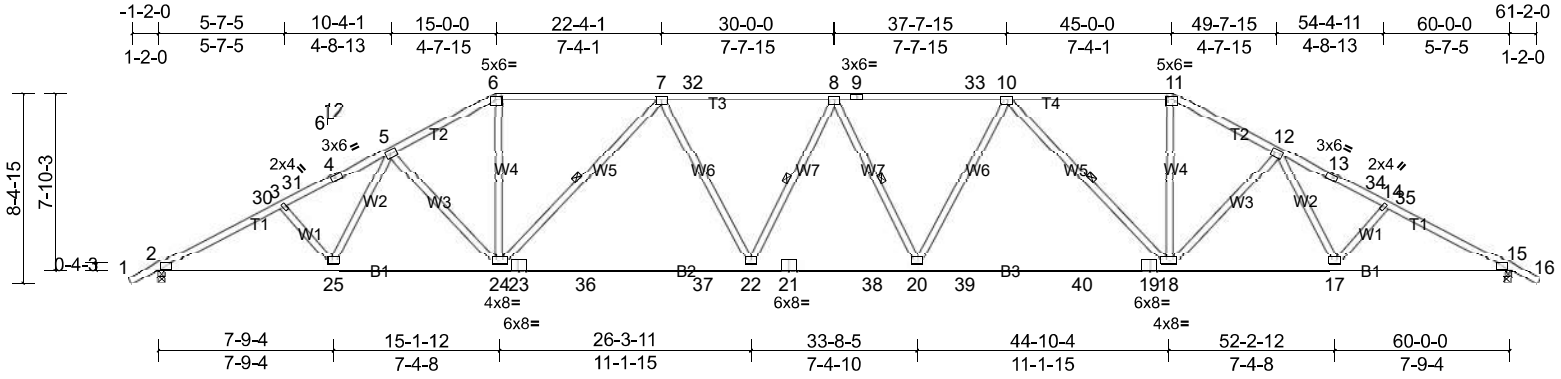

Plate Offsets (X, Y): [2:0-1-0,0-0-1], [6:0-3-0,0-2-0], [11:0-3-0,0-2-0], [15:0-1-0,0-0-1]

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	0.63	Vert(LL)	-0.52	22-24	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.93	22-24	>776	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.22	15	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 383 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T3,T4:2x4 SP No.1D
BOT CHORD 2x6 SP No.1D
WEBS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-4-11 oc bracing.
WEBS 1 Row at midpt 7-24, 8-22, 8-20, 10-18

REACTIONS (lb/size) 2=2037/0-3-8, (min. 0-2-6), 15=2037/0-3-8, (min. 0-2-6)
Max Horiz 2=-197 (LC 13)
Max Uplift 2=-927 (LC 12), 15=-927 (LC 13)
Max Grav 2=2343 (LC 2), 15=2343 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-30=-4700/1796, 3-30=-4637/1805, 3-31=-4586/1743, 4-31=-4545/1751, 4-5=-4545/1760, 5-6=-4019/1530, 6-7=-3586/1430, 7-32=-4680/1739, 8-32=-4680/1739, 8-9=-4679/1738, 9-33=-4679/1738, 10-33=-4679/1738, 10-11=-3586/1429, 11-12=-4019/1529, 12-13=-4544/1757, 13-34=-4545/1748, 14-34=-4586/1741, 14-35=-4636/1803, 15-35=-4699/1793
BOT CHORD 2-25=-1689/4183, 24-25=-1436/3866, 23-24=-1579/4395, 23-36=-1579/4395, 36-37=-1579/4395, 22-37=-1579/4395, 21-22=-1659/4749, 21-38=-1659/4749, 20-38=-1659/4749, 20-39=-1494/4394, 39-40=-1494/4394, 19-40=-1494/4394, 18-19=-1494/4394, 17-18=-1237/3865, 15-17=-1489/4183
WEBS 6-24=-452/1577, 7-24=-1231/689, 7-22=-202/656, 8-22=-258/323, 8-20=-258/323, 10-20=-203/656, 10-18=-1230/689, 11-18=-452/1577, 3-25=-215/276, 5-25=-169/445, 5-24=-461/392, 12-18=-460/391, 12-17=-168/444, 14-17=-215/276

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=17ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-11-5, Zone1 4-11-5 to 15-0-0, Zone2 15-0-0 to 23-8-13, Zone1 23-8-13 to 45-0-0, Zone2 45-0-0 to 53-8-13, Zone1 53-8-13 to 61-2-13 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 927 lb uplift at joint 2 and 927 lb uplift at joint 15.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	H6617	Hip	18	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:21 — Page: 1

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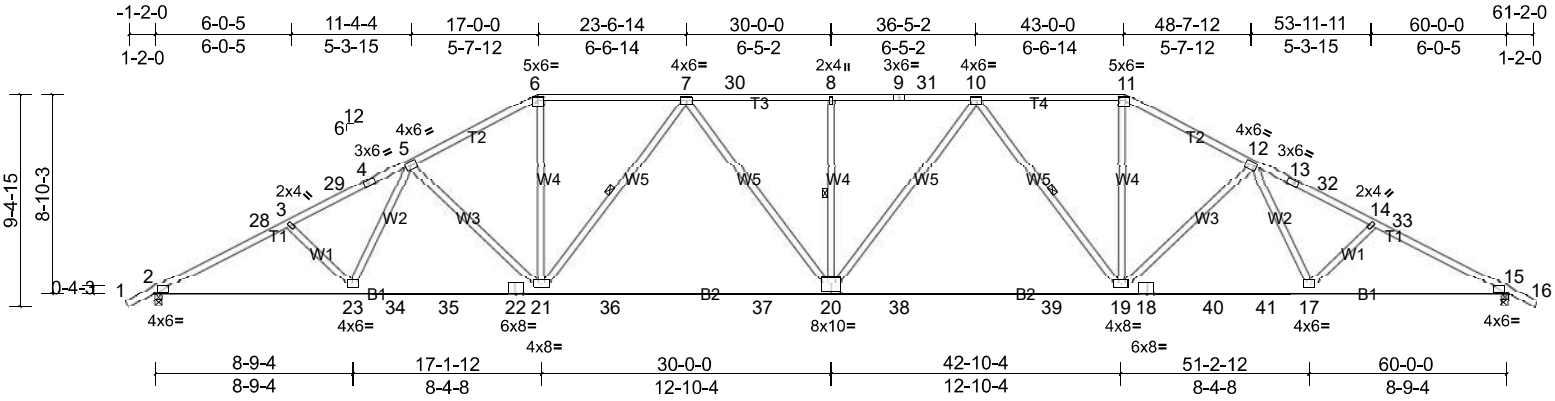

Plate Offsets (X, Y): [2:0-1-0,0-0-1], [6:0-3-0,0-2-0], [11:0-3-0,0-2-0], [15:0-1-0,0-0-1], [20:0-5-0,0-4-8]

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	0.69	Vert(LL)	-0.56	20-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.99	20-21	>730	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.20	15	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 388 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 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-4-6 oc bracing.
WEBS	1 Row at midpt 7-21, 10-19, 8-20

REACTIONS (lb/size) 2=2037/0-3-8, (min. 0-2-6), 15=2037/0-3-8, (min. 0-2-6)
Max Horiz 2=-221 (LC 13)
Max Uplift 2=-923 (LC 12), 15=-923 (LC 13)
Max Grav 2=2374 (LC 2), 15=2374 (LC 2)

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

TOP CHORD 2-28=-4737/1781, 3-28=-4668/1791, 3-29=-4596/1706, 4-29=-4551/1707, 4-5=-4513/1717, 5-6=-3912/1463, 6-7=-3476/1378, 7-30=-4298/1601, 8-30=-4298/1601, 8-9=-4298/1601, 9-31=-4298/1601, 10-31=-4298/1601, 10-11=-3476/1376, 11-12=-3912/1462, 12-13=-4513/1715, 13-32=-4551/1704, 14-32=-4596/1703, 14-33=-4668/1788, 15-33=-4737/1778

BOT CHORD 2-23=-1694/4216, 23-34=-1412/3852, 34-35=-1412/3852, 22-35=-1412/3852, 21-22=-1412/3852, 21-36=-1302/3987, 36-37=-1302/3987, 20-37=-1302/3987, 20-38=-1222/3987, 38-39=-1222/3987, 19-39=-1222/3987, 18-19=-1198/3852, 18-40=-1198/3852, 40-41=-1198/3852, 17-41=-1198/3852, 15-17=-1470/4216

WEBS 3-23=-241/306, 5-23=-162/523, 5-21=-564/457, 6-21=-426/1519, 7-21=-923/571, 10-19=-923/571, 11-19=-426/1519, 12-19=-564/456, 12-17=-160/523, 14-17=-241/306, 8-20=-281/289, 7-20=-241/590, 10-20=-241/590

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=17ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-11-5, Zone1 4-11-5 to 17-0-0, Zone2 17-0-0 to 25-8-13, Zone1 25-8-13 to 43-0-0, Zone2 43-0-0 to 51-8-13, Zone1 51-8-13 to 61-2-13 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 923 lb uplift at joint 2 and 923 lb uplift at joint 15.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	HGR07	Hip Girder	1	2	Job Reference (optional)

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ID:Lg7nEAKhzn3HK0lgFL9PsczJbO4-PipNice9_Q0stnccxBgV6CtCmJw0wSR7vZ8D1dynvu8

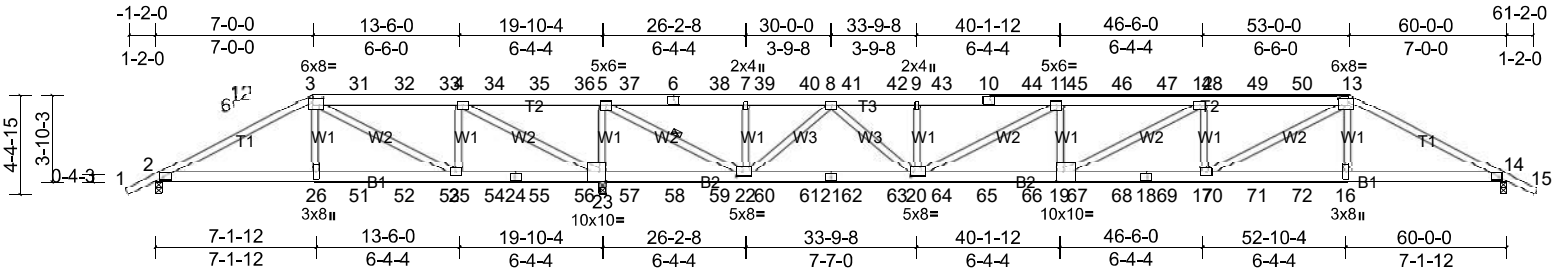

Plate Offsets (X, Y): [3:0-2-0,0-4-0], [13:0-2-0,0-4-0], [19:0-3-8,0-5-0], [20:0-1-8,0-2-4], [22:0-3-0,0-2-4], [23:0-3-8,0-5-0]

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)	0.58	17-19	>835	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	0.44	17-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.75	Horz(CT)	-0.07	14	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 768 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T1:2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-4-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-22

REACTIONS (lb/size) 2=337/0-3-8, (min. 0-1-8), 14=2315/0-3-8, (min. 0-1-8), 23=5845/0-3-8, (min. 0-3-7)
Max Horiz 2=-95 (LC 28)
Max Uplift 2=-177 (LC 27), 14=-2251 (LC 4), 23=-5588 (LC 5)
Max Grav 2=452 (LC 15), 14=2317 (LC 22), 23=5845 (LC 1)

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

TOP CHORD 2-3=-632/64, 3-31=-2244/1817, 31-32=-2244/1815, 32-33=-2243/1815, 4-33=-2243/1813, 4-34=-5276/5297, 34-35=-5276/5297, 35-36=-5276/5297, 5-36=-5276/5297, 8-41=-4412/4733, 41-42=-4412/4733, 9-42=-4412/4733, 9-43=-4412/4733, 10-43=-4412/4733, 10-44=-4412/4733, 11-44=-4412/4733, 11-45=-6073/6431, 45-46=-6073/6431, 46-47=-6073/6431, 12-47=-6073/6431, 12-48=-6085/6405, 48-49=-6084/6404, 49-50=-6083/6404, 13-50=-6082/6404, 13-14=-4737/4822

BOT CHORD 2-26=-4/626, 26-51=0/649, 51-52=0/649, 52-53=0/649, 25-53=0/649, 25-54=-1815/2376, 24-54=-1815/2376, 24-55=-1815/2376, 55-56=-1815/2376, 23-56=-1815/2376, 23-57=-5297/5389, 57-58=-5297/5389, 58-59=-5297/5389, 22-59=-5297/5389, 22-60=-2512/2333, 60-61=-2512/2333, 21-61=-2512/2333, 21-62=-2512/2333, 62-63=-2512/2333, 20-63=-2512/2333, 20-64=-6301/6073, 64-65=-6301/6073, 65-66=-6301/6073, 19-66=-6301/6073, 19-67=-6272/6083, 67-68=-6272/6083, 18-68=-6272/6083, 18-69=-6272/6083, 17-69=-6272/6083, 17-70=-4256/4217, 70-71=-4256/4217, 71-72=-4256/4217, 16-72=-4256/4217, 14-16=-4223/4182

WEBS 3-26=-527/877, 13-16=-790/891, 5-23=-3295/3522, 11-19=-419/654, 4-23=-3985/3465, 12-17=-431/599, 13-17=-2327/2181, 4-25=-1177/1577, 3-25=-2255/2185, 11-20=-1889/1925, 7-22=-190/317, 5-22=-6216/5996, 8-20=-2819/2791, 9-20=-288/404, 8-22=-3108/3225

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
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=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
6) Provide adequate drainage to prevent water ponding.

Continued on page 2

7) All plates are 4x6 MT20 unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 177 lb uplift at joint 2, 5588 lb uplift at joint 23 and 2251 lb uplift at joint 14.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 33 lb down and 100 lb up at 7-0-0, 31 lb down and 98 lb up at 9-0-12, 31 lb down and 98 lb up at 11-0-12, 31 lb down and 98 lb up at 13-0-12, 31 lb down and 98 lb up at 15-0-12, 31 lb down and 98 lb up at 17-0-12, 31 lb down and 98 lb up at 19-0-12, 30 lb down and 98 lb up at 21-0-12, 30 lb down and 98 lb up at 23-0-12, 30 lb down and 98 lb up at 25-0-12, 30 lb down and 98 lb up at 27-0-12, 30 lb down and 98 lb up at 29-0-12, 30 lb down and 98 lb up at 30-11-4, 30 lb down and 98 lb up at 32-11-4, 30 lb down and 98 lb up at 34-11-4, 30 lb down and 98 lb up at 36-11-4, 30 lb down and 98 lb up at 38-11-4, 30 lb down and 98 lb up at 40-11-4, 30 lb down and 98 lb up at 42-11-4, 30 lb down and 98 lb up at 44-11-4, 30 lb down and 98 lb up at 46-11-4, 30 lb down and 98 lb up at 48-11-4, and 30 lb down and 98 lb up at 50-11-4, and 58 lb down and 157 lb up at 53-0-0 on top chord, and 458 lb down and 446 lb up at 7-0-0, 140 lb down and 91 lb up at 9-0-12, 140 lb down and 91 lb up at 11-0-12, 140 lb down and 91 lb up at 13-0-12, 140 lb down and 91 lb up at 15-0-12, 140 lb down and 91 lb up at 17-0-12, 140 lb down and 91 lb up at 19-0-12, 140 lb down and 147 lb up at 21-0-12, 140 lb down and 147 lb up at 23-0-12, 140 lb down and 147 lb up at 25-0-12, 140 lb down and 147 lb up at 27-0-12, 140 lb down and 147 lb up at 29-0-12, 140 lb down and 147 lb up at 30-11-4, 140 lb down and 147 lb up at 32-11-4, 140 lb down and 147 lb up at 34-11-4, 140 lb down and 147 lb up at 36-11-4, 140 lb down and 147 lb up at 38-11-4, 140 lb down and 147 lb up at 40-11-4, 140 lb down and 147 lb up at 42-11-4, 140 lb down and 147 lb up at 44-11-4, 140 lb down and 147 lb up at 46-11-4, 140 lb down and 147 lb up at 48-11-4, and 140 lb down and 147 lb up at 50-11-4, and 460 lb down and 559 lb up at 52-11-4 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, 3-13=-46, 13-15=-46, 2-14=-20
   Concentrated Loads (lb)
   Vert: 3=-18, 6=-18, 13=-18, 26=-458, 16=-460, 10=-18, 31=-18, 32=-18, 33=-18, 34=-18, 35=-18, 36=-18, 37=-18, 38=-18, 39=-18, 40=-18, 41=-18, 42=-18, 43=-18, 44=-18, 45=-18, 46=-18, 47=-18, 48=-18, 49=-18, 50=-18, 51=-140, 52=-140, 53=-140, 54=-140, 55=-140, 56=-140, 57=-140, 58=-140, 59=-140, 60=-140, 61=-140, 62=-140, 63=-140, 64=-140, 65=-140, 66=-140, 67=-140, 68=-140, 69=-140, 70=-140, 71=-140, 72=-140

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	HGR12	Roof Special Girder	1	2	Job Reference (optional)

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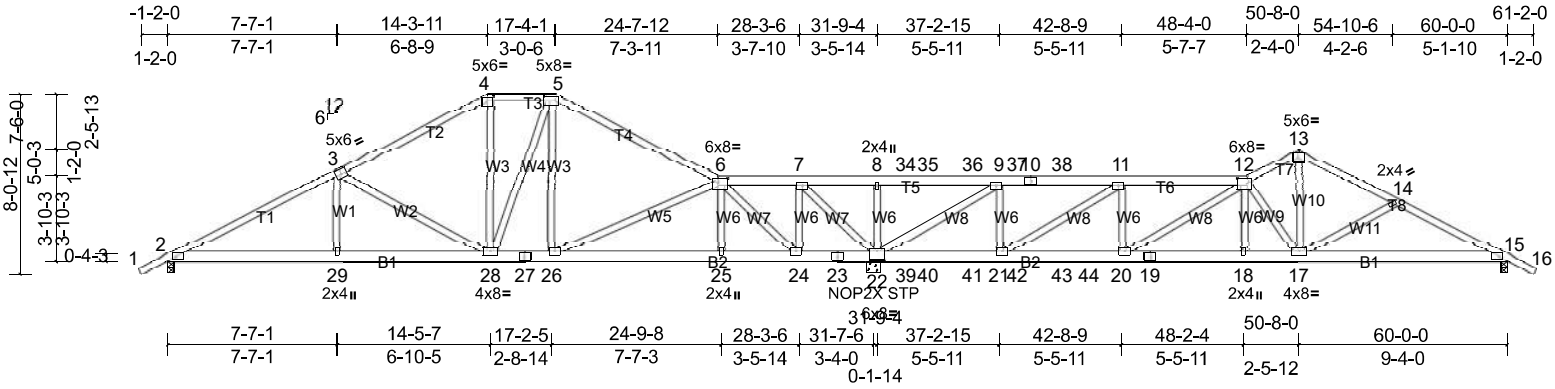

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [4:0-3-0,0-2-0], [5:0-6-0,0-2-8], [6:0-5-4,0-2-8], [12:0-5-4,0-2-8], [22:0-4-0,0-4-8]

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	0.35	Vert(LL)	0.15	20-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.16	20-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.03	15	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 806 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2 *Except* T5,T6:2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 25-26,24-25,22-24.

REACTIONS (lb/size) 2=808/0-3-8, (min. 0-1-8), 15=1111/0-3-8, (min. 0-1-8), 22=3930/0-7-4, (min. 0-2-5)
Max Horiz 2=183 (LC 27)
Max Uplift 2=-465 (LC 27), 15=-683 (LC 9), 22=-2453 (LC 9)
Max Grav 2=808 (LC 1), 15=1130 (LC 22), 22=3930 (LC 1)

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

TOP CHORD 2-3=-1285/734, 3-4=-703/530, 4-5=-559/541, 5-6=-594/519, 6-7=-935/1547, 7-8=-1312/2624, 8-34=-1312/2624, 34-35=-1312/2624, 35-36=-1312/2624, 9-36=-1312/2624, 9-37=-967/1071, 10-37=-967/1071, 10-38=-967/1071, 11-38=-967/1071, 11-12=-2719/1920, 12-13=-1788/1169, 13-14=-1819/1153, 14-15=-2037/1301

BOT CHORD 2-29=-691/1095, 28-29=-692/1088, 27-28=-271/456, 26-27=-271/456, 25-26=-483/673, 24-25=-476/676, 23-24=-1545/1151, 22-23=-1545/1151, 22-39=-1011/967, 39-40=-1011/967, 40-41=-1011/967, 21-41=-1011/967, 21-42=-1702/2717, 42-43=-1702/2717, 43-44=-1702/2717, 20-44=-1702/2717, 19-20=-1305/2263, 18-19=-1305/2263, 17-18=-1311/2270, 15-17=-1052/1804

WEBS 3-28=-610/447, 5-28=-239/344, 5-26=-272/282, 6-26=-523/944, 6-25=0/288, 8-22=-346/392, 7-22=-1505/552, 7-24=-345/1022, 6-24=-1595/674, 13-17=-877/1427, 12-17=-1228/920, 14-17=-254/303, 9-21=-1048/1878, 9-22=-4072/2767, 11-21=-2097/1032, 11-20=-216/795, 12-20=-702/669, 3-29=0/348

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   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=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 4x6 MT20 unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 465 lb uplift at joint 2, 2453 lb uplift at joint 22 and 683 lb uplift at joint 15.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down and 98 lb up at 33-0-12, 50 lb down and 98 lb up at 34-0-12, 50 lb down and 98 lb up at 36-0-12, and 50 lb down and 98 lb up at 38-0-12, and 50 lb down and 98 lb up at 40-0-12 on top chord, and 140 lb down and 147 lb up at 33-0-12, 140 lb down and 147 lb up at 34-0-12, 140 lb down and 147 lb up at 36-0-12, 140 lb down and 147 lb up at 38-0-12, and 140 lb down and 147 lb up at 40-0-12, and 986 lb down and 517 lb up at 41-3-4 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, 6-12=-46, 12-13=-46, 13-16=-46, 2-15=-20
   Concentrated Loads (lb)
   Vert: 34=-18, 35=-18, 36=-18, 37=-18, 38=-18, 39=-140, 40=-140, 41=-140, 42=-140, 43=-140, 44=-986

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J16	Jack-Open	2	1	Job Reference (optional)

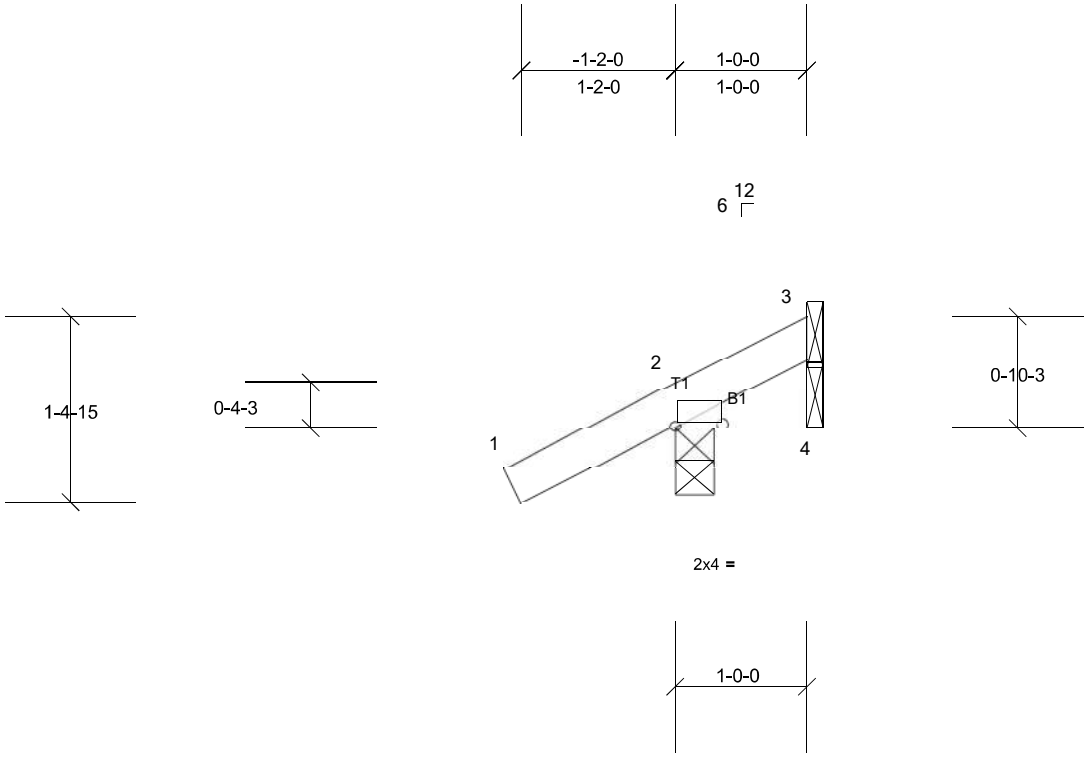

Plate Offsets (X, Y): [2:0-4-4,0-0-4]

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	0.20	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 = 0%

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

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

REACTIONS (lb/size) 2=125/0-3-8, (min. 0-1-8), 3=3/ Mechanical, (min. 0-1-8), 4=-6/ Mechanical, (min. 0-1-8)
Max Horiz 2=62 (LC 10)
Max Uplift 2=-107 (LC 10), 3=-3 (LC 10), 4=-6 (LC 1)
Max Grav 2=125 (LC 1), 3=9 (LC 6), 4=22 (LC 14)

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

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 3 lb uplift at joint 3, 107 lb uplift at joint 2 and 6 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J16P	Jack-Open	2	1	Job Reference (optional)

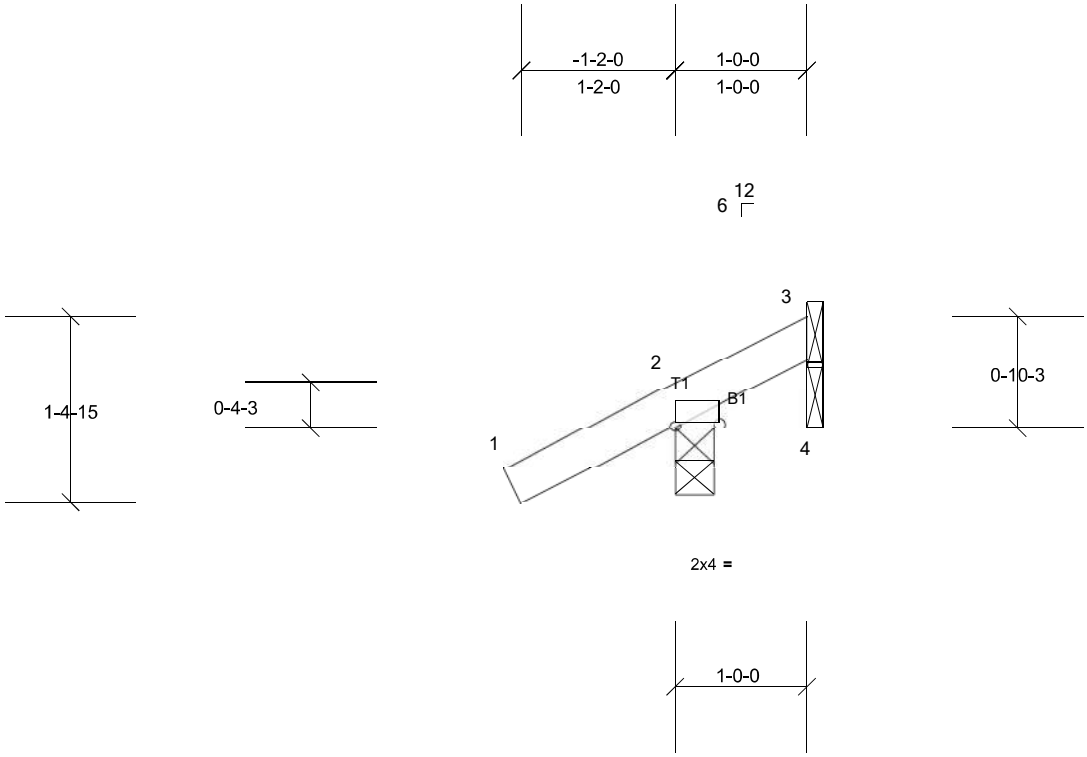

Plate Offsets (X, Y): [2:0-4-0,0-0-4]

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	0.20	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 = 0%

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

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

REACTIONS (lb/size) 2=125/0-3-8, (min. 0-1-8), 3=3/ Mechanical, (min. 0-1-8), 4=-6/ Mechanical, (min. 0-1-8)
Max Horiz 2=62 (LC 10)
Max Uplift 2=-107 (LC 10), 3=-7 (LC 7), 4=-7 (LC 17)
Max Grav 2=125 (LC 1), 3=6 (LC 15), 4=22 (LC 14)

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

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 7 lb uplift at joint 3, 107 lb uplift at joint 2 and 7 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J30	Jack-Open	2	1	Job Reference (optional)

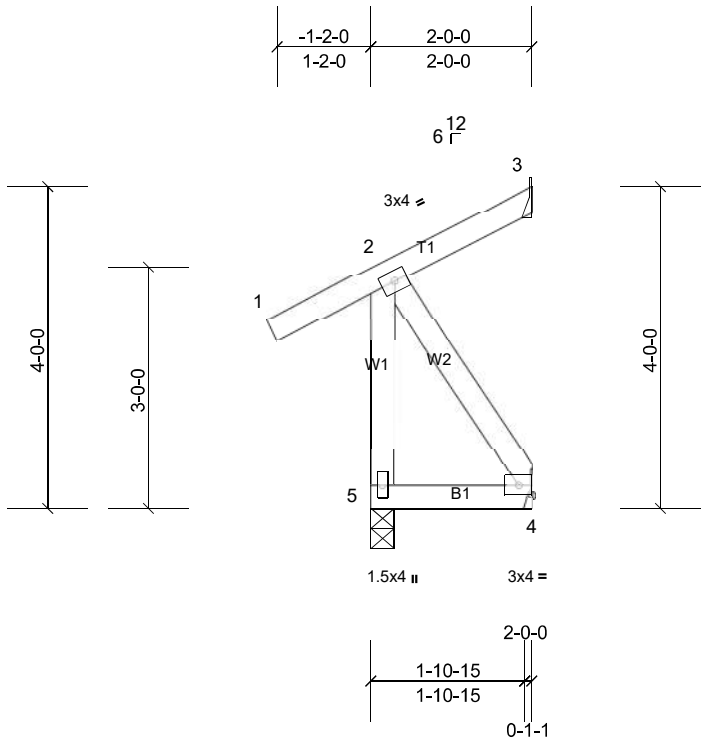

Plate Offsets (X, Y): [4:Edge,0-1-8]

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	0.23	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 17 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.

REACTIONS (lb/size) 3=19/ Mechanical, (min. 0-1-8), 4=19/ Mechanical, (min. 0-1-8), 5=148/0-3-8, (min. 0-1-8)
Max Horiz 5=128 (LC 9)
Max Uplift 3=-29 (LC 12), 4=-120 (LC 9), 5=-34 (LC 8)
Max Grav 3=19 (LC 19), 4=87 (LC 10), 5=148 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-175/403

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 34 lb uplift at joint 5, 120 lb uplift at joint 4 and 29 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J30A	Jack-Open	1	1	Job Reference (optional)

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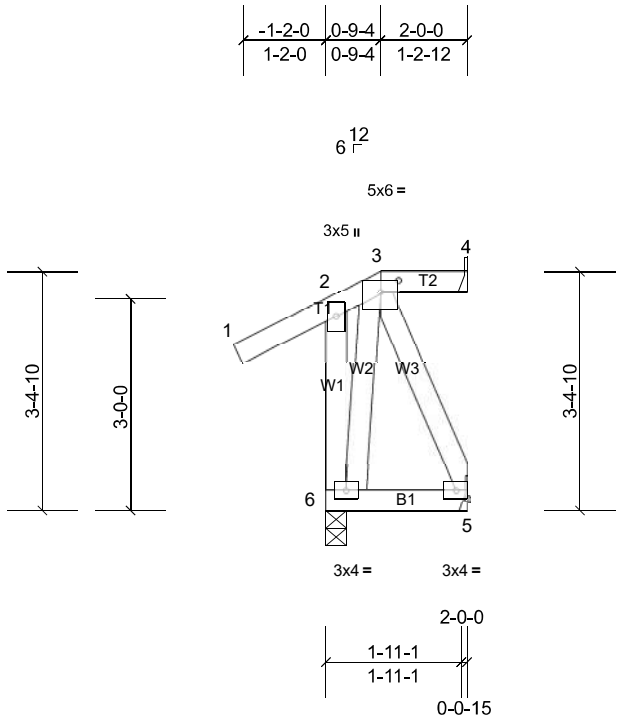


Plate Offsets (X, Y): [3:0-3-0,0-2-0]

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	0.34	Vert(LL)	0.00	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 21 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 6-0-0 oc bracing.

REACTIONS (lb/size) 4=28/ Mechanical, (min. 0-1-8), 5=9/ Mechanical, (min. 0-1-8), 6=148/0-3-8, (min. 0-1-8)
Max Horiz 6=108 (LC 9)
Max Uplift 4=-28 (LC 8), 5=-92 (LC 9), 6=-67 (LC 8)
Max Grav 4=28 (LC 1), 5=82 (LC 10), 6=148 (LC 1)

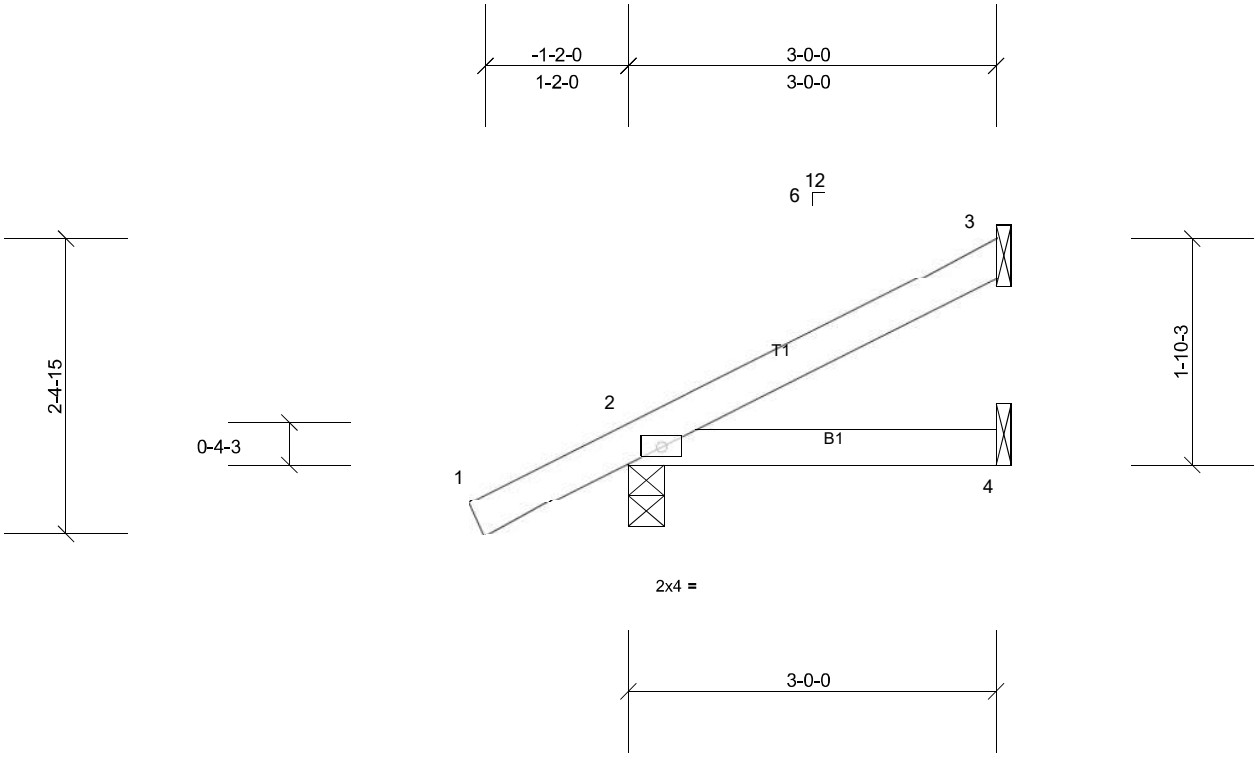
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-148/636, 2-3=-77/255
WEBS 3-6=-365/117

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-11-14 zone; end vertical left 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) 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.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 6, 28 lb uplift at joint 4 and 92 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J36	Jack-Open	2	1	Job Reference (optional)



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	0.20	Vert(LL)	0.00	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	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: 12 lb	FT = 0%

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.

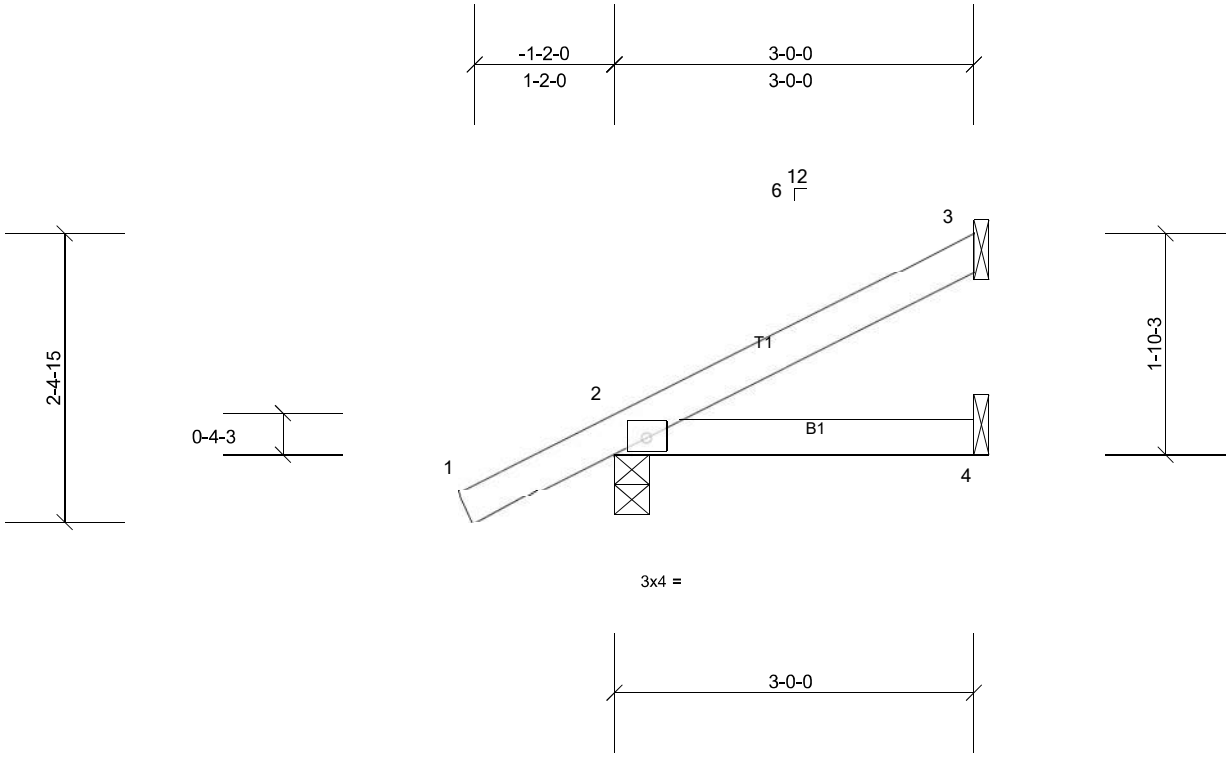
REACTIONS (lb/size) 2=165/0-3-8, (min. 0-1-8), 3=54/ Mechanical, (min. 0-1-8), 4=31/ Mechanical, (min. 0-1-8)
Max Horiz 2=121 (LC 10)
Max Uplift 2=-103 (LC 10), 3=-70 (LC 10)
Max Grav 2=165 (LC 1), 3=54 (LC 1), 4=51 (LC 3)

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

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 70 lb uplift at joint 3 and 103 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J36P	Jack-Open	2	1	Job Reference (optional)



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	0.20	Vert(LL)	0.02	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	0.01	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-MP							Weight: 12 lb	FT = 0%

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.

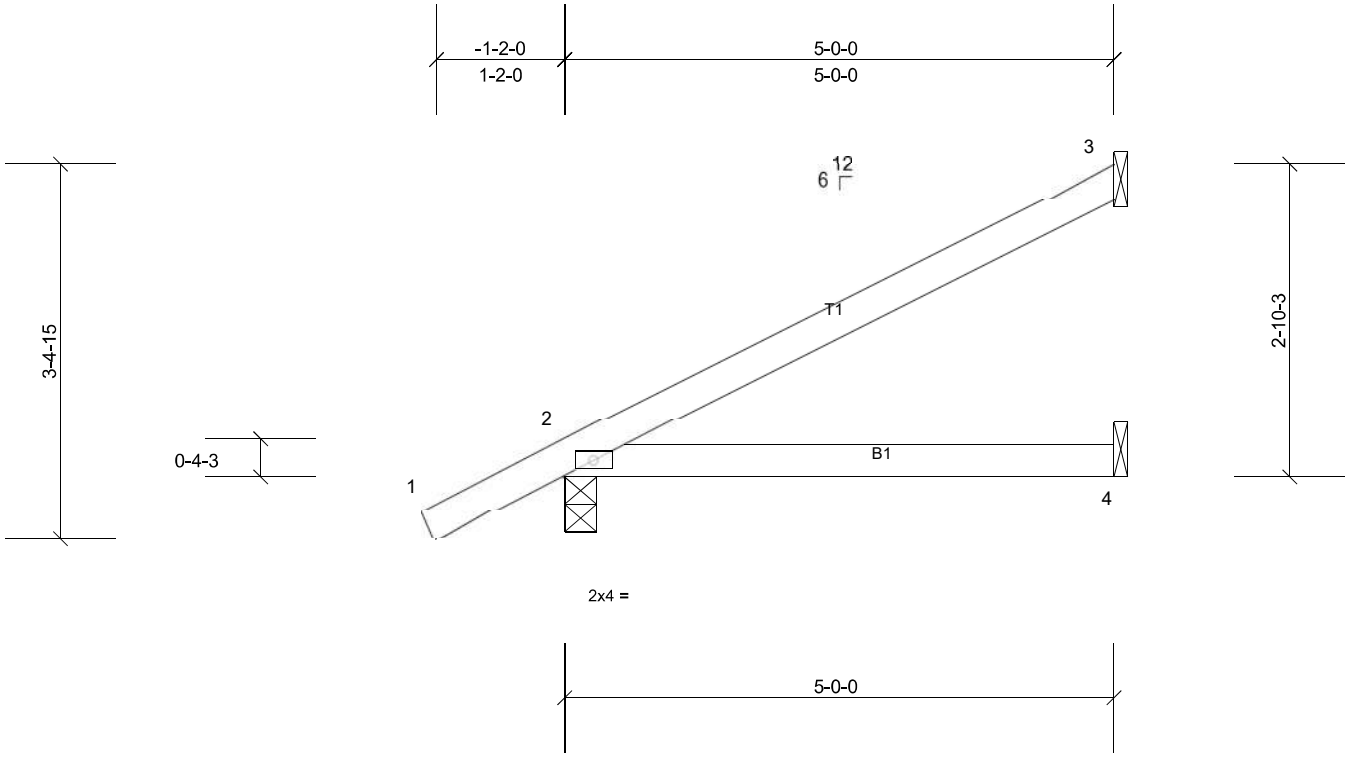
REACTIONS (lb/size) 2=165/0-3-8, (min. 0-1-8), 3=54/ Mechanical, (min. 0-1-8), 4=31/ Mechanical, (min. 0-1-8)
Max Horiz 2=121 (LC 10)
Max Uplift 2=-103 (LC 10), 3=-70 (LC 10), 4=-28 (LC 7)
Max Grav 2=165 (LC 1), 3=54 (LC 1), 4=51 (LC 3)

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

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 70 lb uplift at joint 3, 103 lb uplift at joint 2 and 28 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J56	Jack-Open	2	1	Job Reference (optional)



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	0.44	Vert(LL)	0.05	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	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-MP							Weight: 18 lb	FT = 0%

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

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

REACTIONS (lb/size) 2=227/0-3-8, (min. 0-1-8), 3=98/ Mechanical, (min. 0-1-8), 4=58/ Mechanical, (min. 0-1-8)
Max Horiz 2=181 (LC 10)
Max Uplift 2=-122 (LC 10), 3=-129 (LC 10)
Max Grav 2=227 (LC 1), 3=98 (LC 1), 4=88 (LC 3)

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

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 129 lb uplift at joint 3 and 122 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J56P	Jack-Open	2	1	Job Reference (optional)

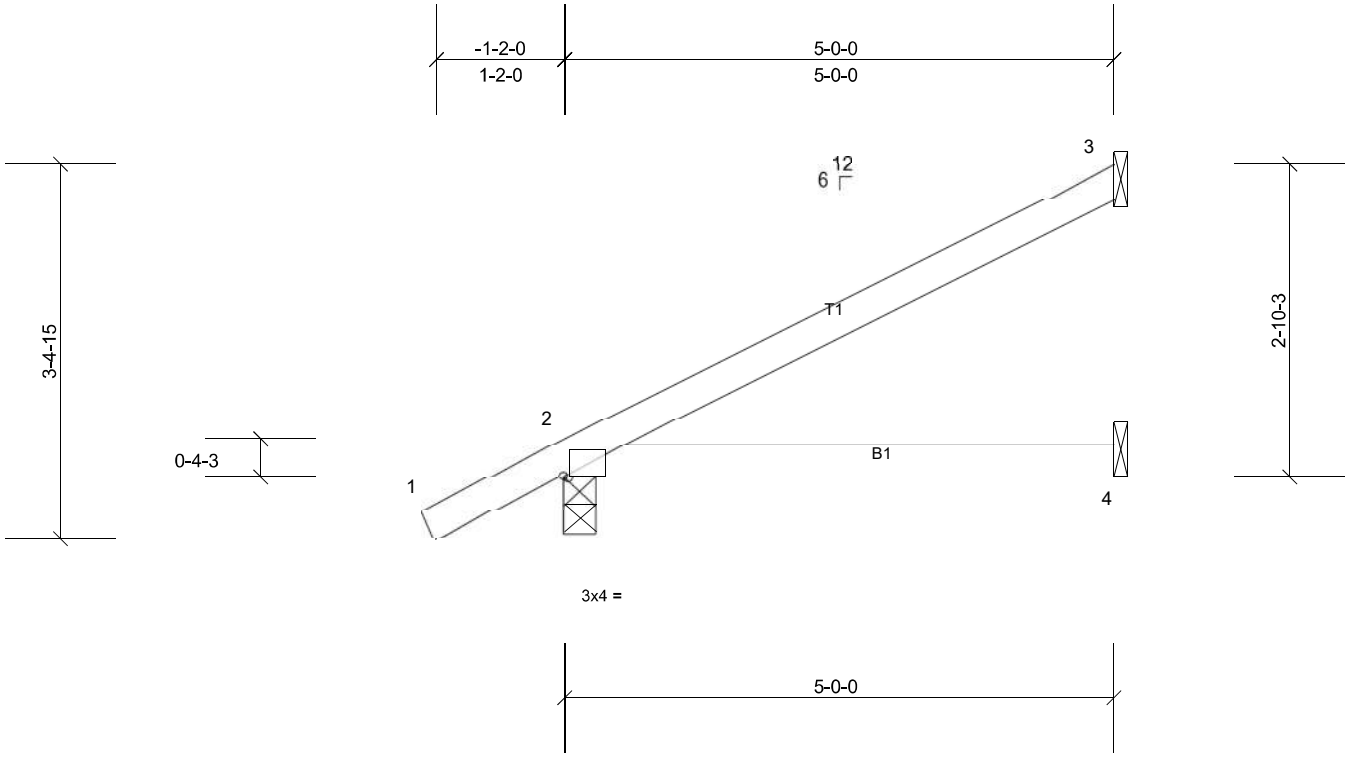


Plate Offsets (X, Y): [2:0-0-8,Edge]

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	0.68	Vert(LL)	0.17	4-7	>359	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	0.15	4-7	>403	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-MP							Weight: 18 lb	FT = 0%

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

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

REACTIONS (lb/size) 2=227/0-3-8, (min. 0-1-8), 3=98/ Mechanical, (min. 0-1-8), 4=58/ Mechanical, (min. 0-1-8)
Max Horiz 2=181 (LC 10)
Max Uplift 2=-122 (LC 10), 3=-129 (LC 10), 4=-49 (LC 7)
Max Grav 2=227 (LC 1), 3=98 (LC 1), 4=88 (LC 3)

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

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 129 lb uplift at joint 3, 122 lb uplift at joint 2 and 49 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J76	Jack-Open	12	1	Job Reference (optional)

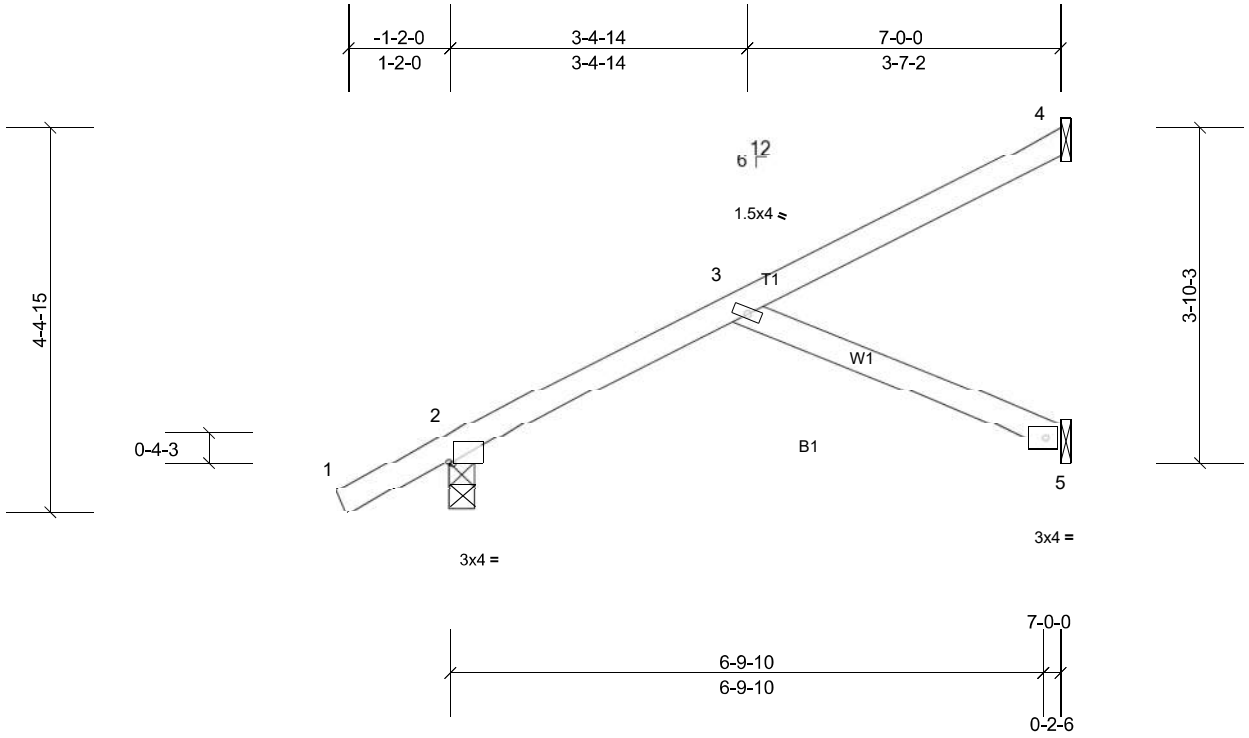


Plate Offsets (X, Y): [2:0-0-8,Edge]

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)	-0.07	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.14	5-8	>613	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 30 lb	FT = 0%

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 8-11-0 oc bracing.

REACTIONS (lb/size) 2=292/0-3-8, (min. 0-1-8), 4=64/ Mechanical, (min. 0-1-8), 5=160/ Mechanical, (min. 0-1-8)
Max Horiz 2=241 (LC 10)
Max Uplift 2=-145 (LC 10), 4=-106 (LC 10), 5=-79 (LC 10)
Max Grav 2=292 (LC 1), 4=64 (LC 1), 5=178 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-269/202
BOT CHORD 2-5=-420/327
WEBS 3-5=-357/458

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 106 lb uplift at joint 4, 145 lb uplift at joint 2 and 79 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	J76P	Jack-Open	17	1	Job Reference (optional)

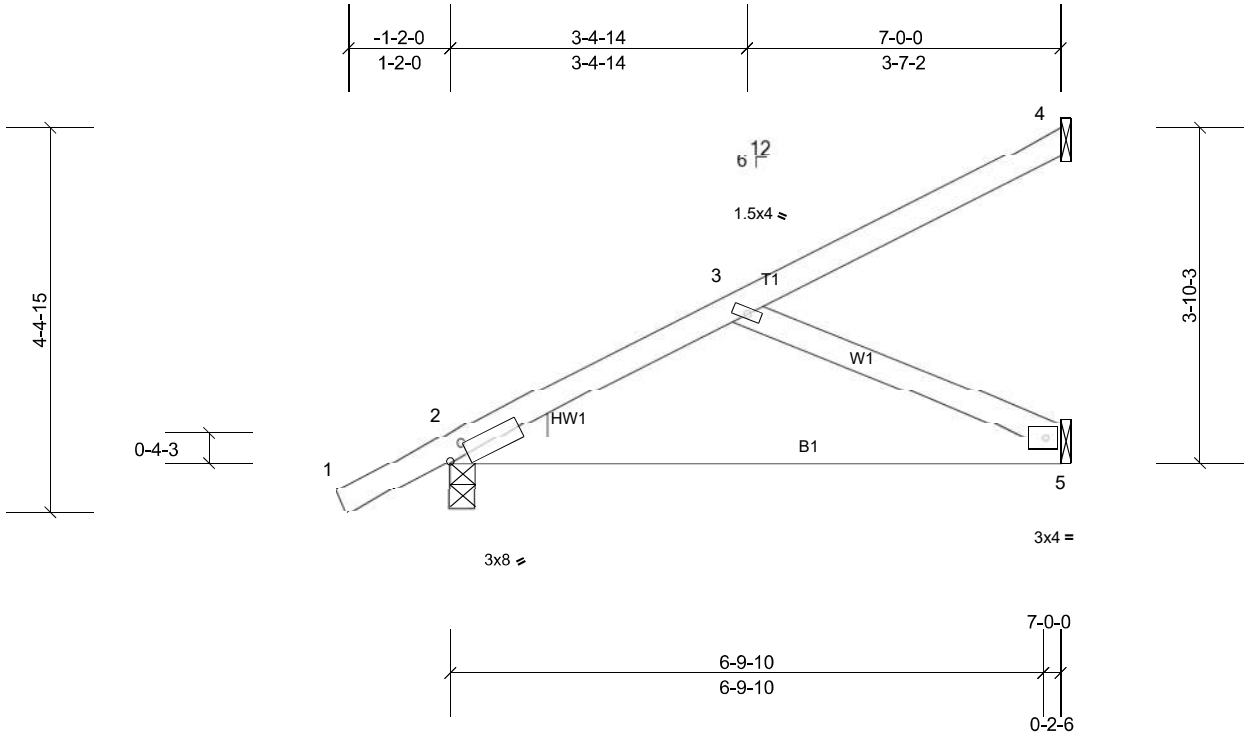


Plate Offsets (X, Y): [2:0-2-9,0-1-8]

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	0.90	Vert(LL)	0.32	5-8	>265	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	0.28	5-8	>304	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 31 lb	FT = 0%

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

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

REACTIONS (lb/size) 2=292/0-3-8, (min. 0-1-8), 4=64/ Mechanical, (min. 0-1-8), 5=160/ Mechanical, (min. 0-1-8)
Max Horiz 2=241 (LC 10)
Max Uplift 2=-153 (LC 7), 4=-106 (LC 10), 5=-135 (LC 7)
Max Grav 2=292 (LC 1), 4=64 (LC 1), 5=178 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-269/457
BOT CHORD 2-5=-758/284
WEBS 3-5=-310/827

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 106 lb uplift at joint 4, 153 lb uplift at joint 2 and 135 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	JGR76	Jack-Open Girder	1	1	Job Reference (optional)

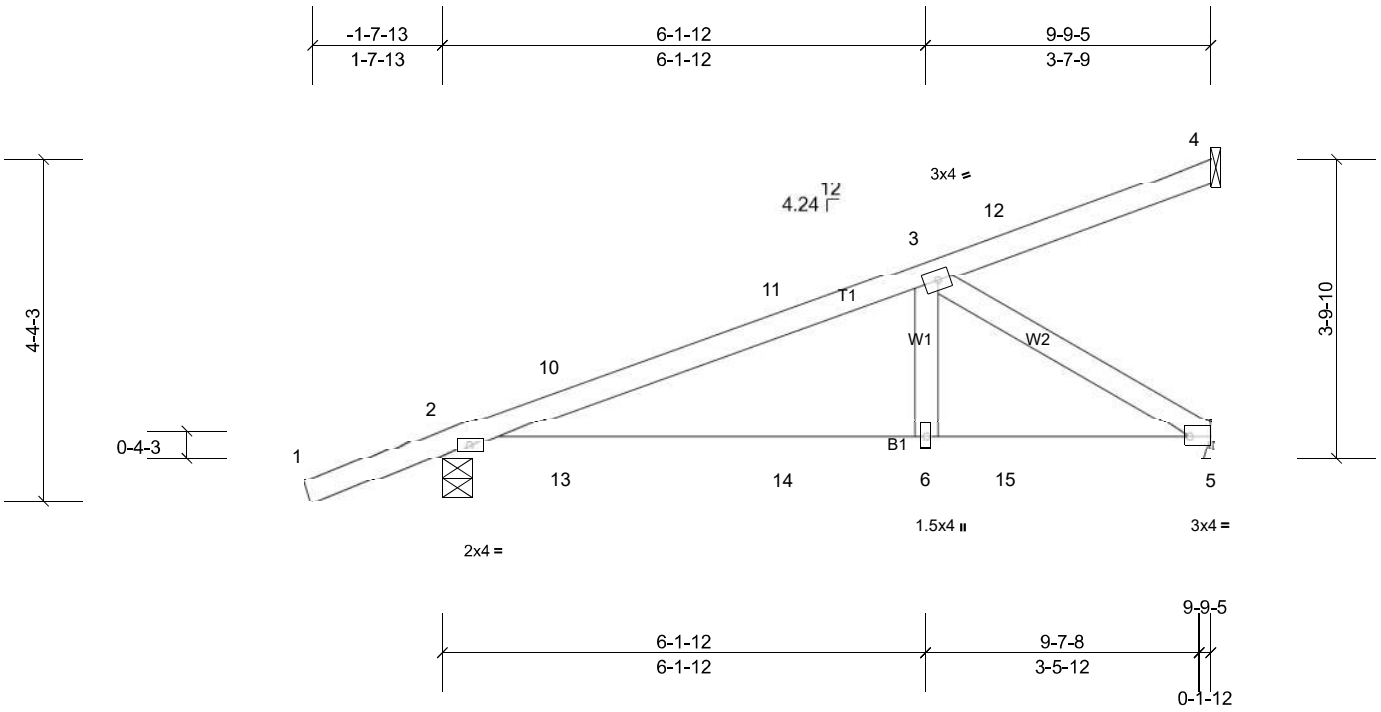


Plate Offsets (X, Y): [5:Edge,0-1-8]

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	0.38	Vert(LL)	0.09	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.07	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 42 lb	FT = 0%

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 7-9-1 oc bracing.

REACTIONS (lb/size) 2=446/0-4-9, (min. 0-1-8), 4=62/ Mechanical, (min. 0-1-8), 5=347/ Mechanical, (min. 0-1-8)
Max Horiz 2=256 (LC 4)
Max Uplift 2=-457 (LC 4), 4=-90 (LC 8), 5=-338 (LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-578/434, 10-11=-552/438, 3-11=-511/432
BOT CHORD 2-13=-537/520, 13-14=-537/520, 6-14=-537/520, 6-15=-537/520, 5-15=-537/520
WEBS 3-5=-610/629, 3-6=-94/285

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 90 lb uplift at joint 4, 457 lb uplift at joint 2 and 338 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 100 lb down and 5 lb up at 1-6-1, 100 lb down and 5 lb up at 1-6-1, 33 lb down and 73 lb up at 4-4-0, 33 lb down and 73 lb up at 4-4-0, and 58 lb down and 123 lb up at 7-1-15, and 58 lb down and 123 lb up at 7-1-15 on top chord, and 61 lb down and 9 lb up at 1-6-1, 61 lb down and 9 lb up at 1-6-1, 56 lb down at 4-4-0, 56 lb down at 4-4-0, and 34 lb down at 7-1-15, and 34 lb down 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: 11=0, 12=-67, 14=-10, 15=-58

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	JGR76P	Jack-Open Girder	1	1	Job Reference (optional)

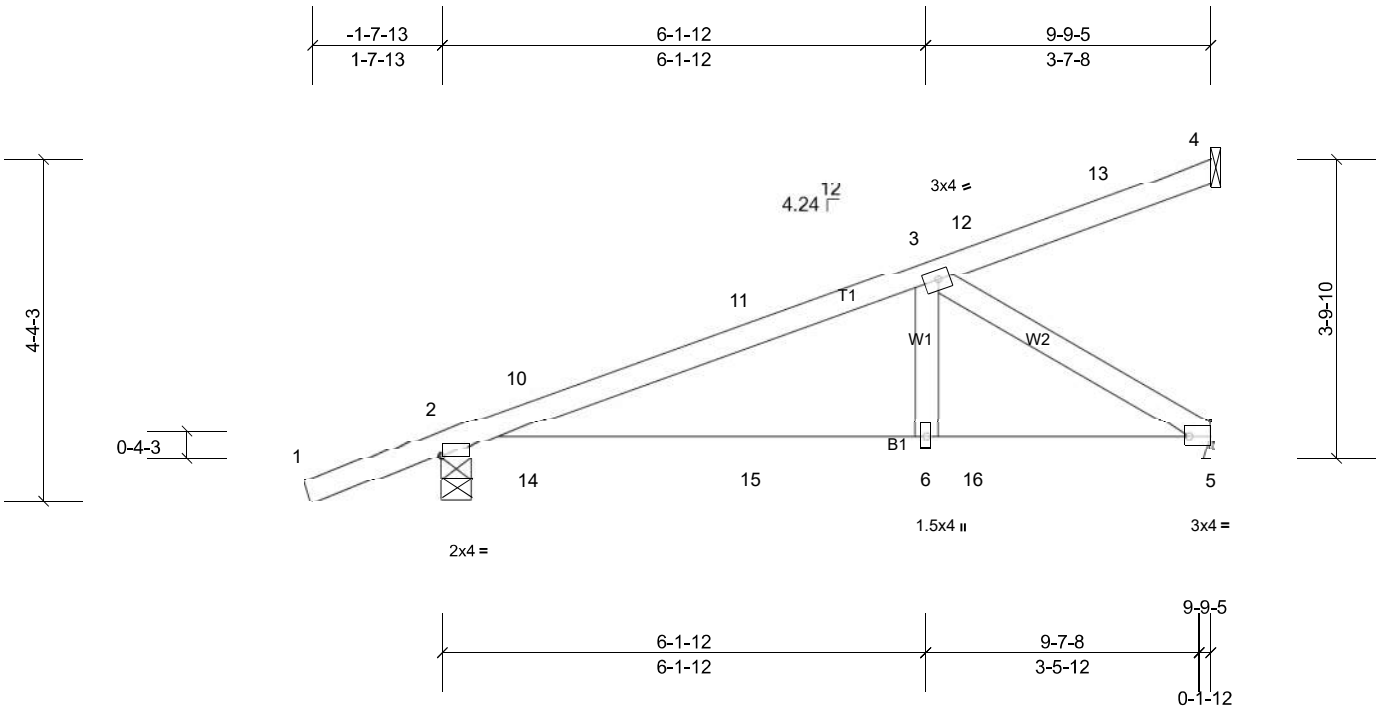


Plate Offsets (X, Y): [2:0-0-1,0-0-3], [5:Edge,0-1-8]

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	0.38	Vert(LL)	0.09	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.08	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 42 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 7-3-1 oc bracing.

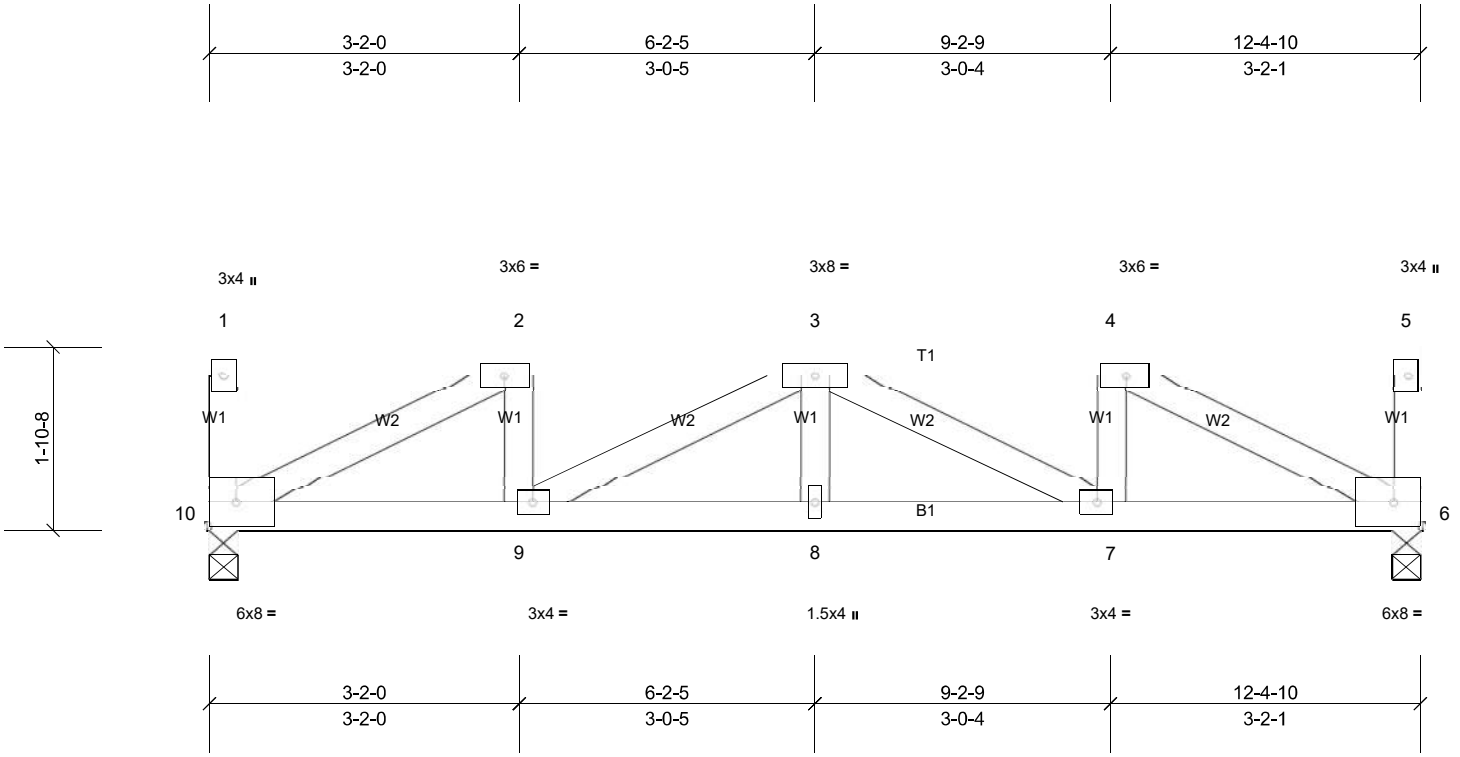
REACTIONS (lb/size) 2=452/0-4-9, (min. 0-1-8), 4=56/ Mechanical, (min. 0-1-8), 5=348/ Mechanical, (min. 0-1-8)
Max Horiz 2=248 (LC 4)
Max Uplift 2=-492 (LC 4), 4=-57 (LC 8), 5=-394 (LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-597/526, 10-11=-589/532, 3-11=-548/525
BOT CHORD 2-14=-613/530, 14-15=-613/530, 6-15=-613/530, 6-16=-613/530, 5-16=-613/530
WEBS 3-5=-622/719, 3-6=-168/291

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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) * 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 4, 492 lb uplift at joint 2 and 394 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 100 lb down and 8 lb up at 1-1-1, 100 lb down and 8 lb up at 1-1-1, 33 lb down and 73 lb up at 3-11-0, 33 lb down and 73 lb up at 3-11-0, and 58 lb down and 123 lb up at 6-8-15, and 58 lb down and 123 lb up at 6-8-15 on top chord, and 54 lb down and 9 lb up at 1-1-1, 54 lb down and 9 lb up at 1-1-1, 13 lb down and 44 lb up at 3-11-0, 13 lb down and 44 lb up at 3-11-0, and 34 lb down and 66 lb up at 6-8-15, and 34 lb down and 66 lb up at 6-8-15 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: 11=0, 12=-67, 15=-10, 16=-58

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	LT01	Lay-In Gable	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	5.0	Plate Grip DOL	1.60	TC	0.59	Vert(LL)	0.13	8-9	>999	360	MT20	244/190
TCDL	5.0	Lumber DOL	1.60	BC	0.59	Vert(CT)	-0.13	8	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.05	6	n/a	n/a		
BCDL	5.0	Code	FRC2023/TPI2014	Matrix-MS		Wind(LL)	0.04	8	>999	240	Weight: 64 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 3-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-7-14 oc bracing.

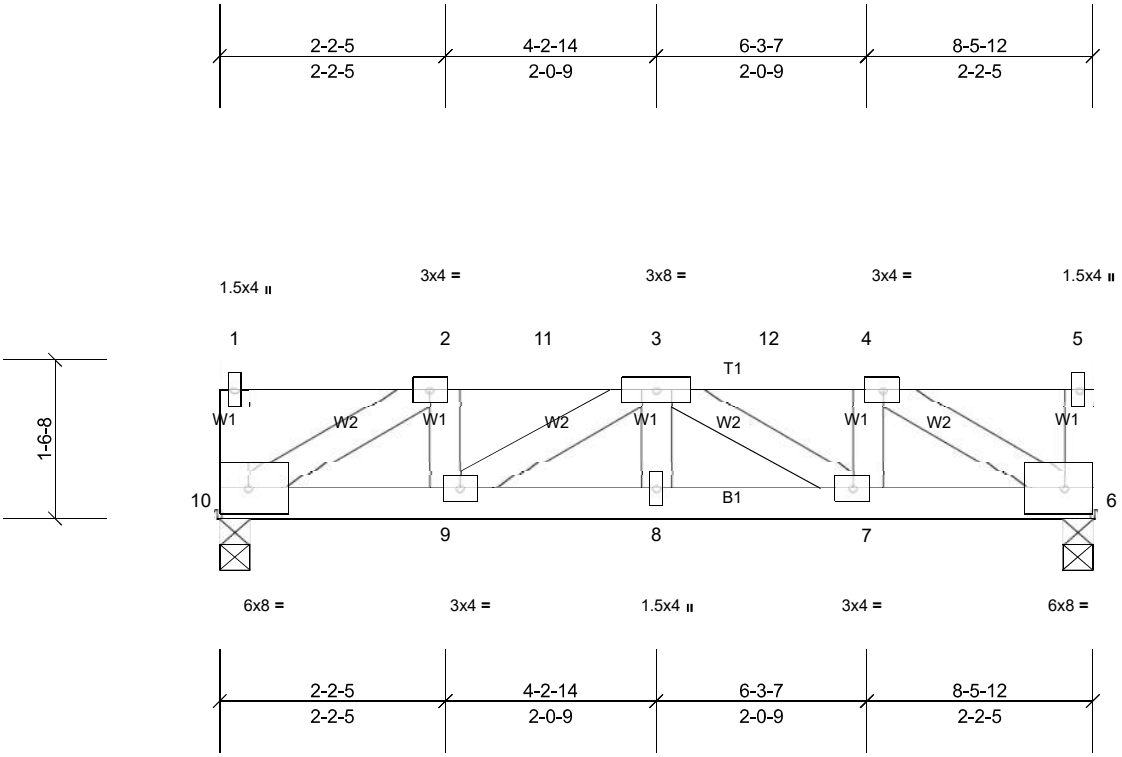
REACTIONS (lb/size) 6=1451/0-3-8, (min. 0-1-11), 10=1451/0-3-8, (min. 0-1-11)
Max Uplift 6=-1224 (LC 26), 10=-1224 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-320/290, 2-3=-2163/1826, 3-4=-2163/1826, 5-6=-320/290
BOT CHORD 9-10=-1826/2163, 8-9=-2390/2837, 7-8=-2390/2837, 6-7=-1826/2163
WEBS 4-6=-2357/1989, 2-9=-1001/804, 2-10=-2357/1989, 3-9=-761/637, 3-8=-639/488, 3-7=-761/637, 4-7=-1001/804

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=3.0psf; BCDL=3.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-1-12 to 3-1-12, Zone2 3-1-12 to 9-2-14, Zone3 9-2-14 to 12-2-14 zone; cantilever 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) Provide adequate drainage to prevent water ponding.
4) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) WARNING: Top chord live load is below 12.0psf. Architect and/or engineer of the overall structure to verify adequacy of top chord live load.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1224 lb uplift at joint 10 and 1224 lb uplift at joint 6.
10) Load case(s) 1, 2, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard Except:
1) Dead + Roof Live (balanced): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-5=-230, 6-10=-10
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-5=-18, 6-10=-167
25) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-5=210, 6-10=-10
26) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-5=-18, 6-10=220

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	LT02	Lay-In Gable	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	5.0	Plate Grip DOL	1.60	TC	0.31	Vert(LL)	0.05	8	>999	360	MT20	244/190
TCDL	5.0	Lumber DOL	1.60	BC	0.34	Vert(CT)	-0.05	8	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.02	6	n/a	n/a		
BCDL	5.0	Code	FRC2023/TPI2014	Matrix-MP		Wind(LL)	0.02	8	>999	240	Weight: 44 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 5-2-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-11-14 oc bracing.

REACTIONS (lb/size) 6=982/0-3-8, (min. 0-1-8), 10=982/0-3-8, (min. 0-1-8)
Max Uplift 6=-829 (LC 26), 10=-829 (LC 26)

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

TOP CHORD	2-11=-1250/1057, 3-11=-1250/1057, 3-12=-1250/1057, 4-12=-1250/1057
BOT CHORD	9-10=-1057/1250, 8-9=-1367/1626, 7-8=-1367/1626, 6-7=-1057/1250
WEBS	4-6=-1465/1238, 2-9=-692/554, 2-10=-1465/1238, 3-9=-440/367, 3-8=-419/319, 3-7=-440/367, 4-7=-692/554

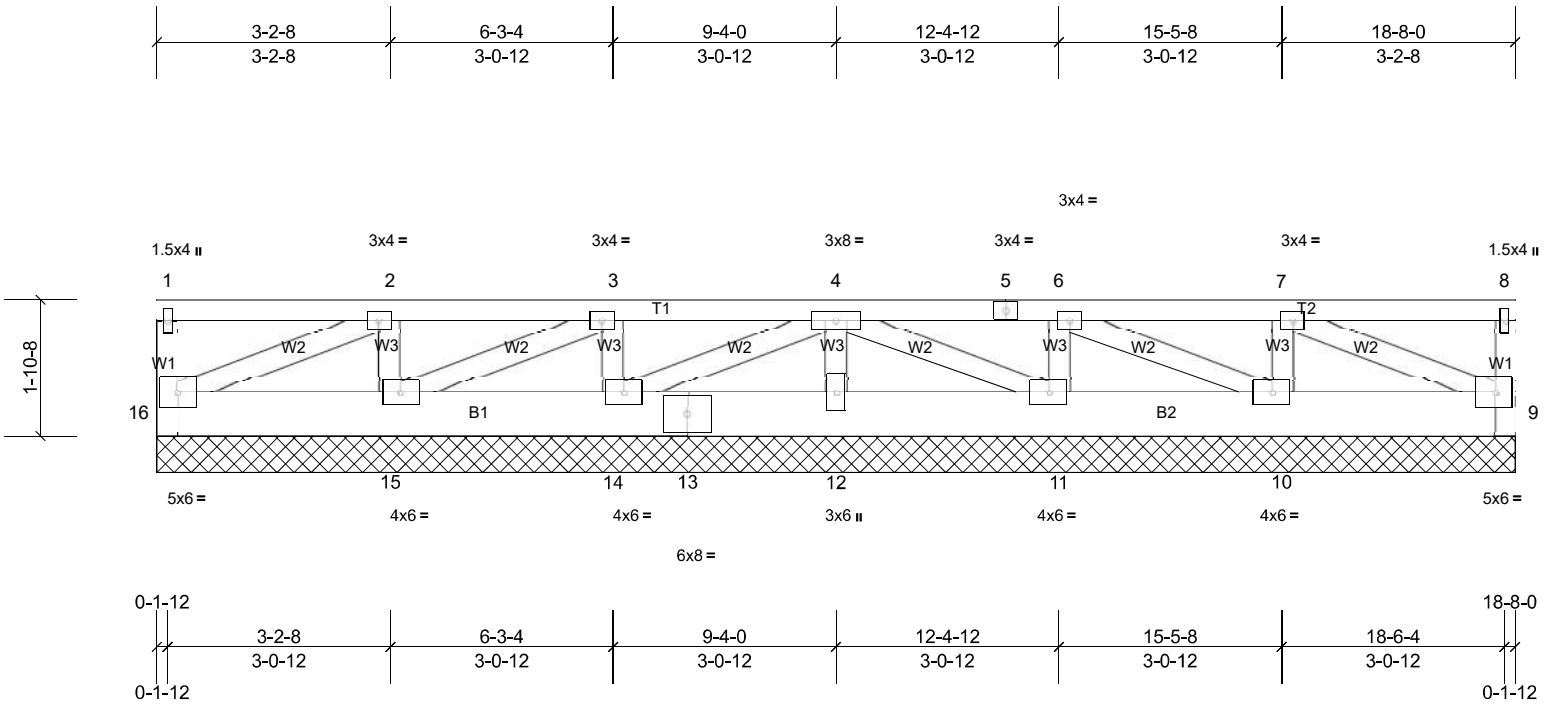
NOTES

1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=3.0psf; BCDL=3.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-1-12 to 3-1-12, Zone2 3-1-12 to 5-4-0, Zone3 5-4-0 to 8-4-0 zone; cantilever 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) Provide adequate drainage to prevent water ponding.
4) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) WARNING: Top chord live load is below 12.0psf. Architect and/or engineer of the overall structure to verify adequacy of top chord live load.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 829 lb uplift at joint 10 and 829 lb uplift at joint 6.
10) Load case(s) 1, 2, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard Except:

1) Dead + Roof Live (balanced): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-5=-230, 6-10=-10
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-5=-18, 6-10=-167
25) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-5=210, 6-10=-10
26) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-5=-18, 6-10=220

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	LT03	Lay-In Gable	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	5.0	Plate Grip DOL	1.60	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	5.0	Lumber DOL	1.60	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.12	Horiz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 122 lb	FT = 20%

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

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

REACTIONS All bearings 18-8-0.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 9=-277 (LC 5), 10=-733 (LC 6), 11=-652 (LC 5), 12=-668 (LC 6), 14=-652 (LC 5), 15=-733 (LC 6), 16=-277 (LC 5)
Max Grav All reactions 250 (lb) or less at joint(s) except 9=315 (LC 1), 10=806 (LC 1), 11=743 (LC 1), 12=684 (LC 1), 14=743 (LC 1), 15=806 (LC 1), 16=315 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-305/278, 8-9=-305/278
WEBS 2-15=-772/704, 3-14=-682/622, 4-12=-653/596, 6-11=-682/622, 7-10=-772/704

NOTES
1) Provide adequate drainage to prevent water ponding.
2) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 2-0-0 oc.
6) WARNING: Top chord live load is below 12.0psf. Architect and/or engineer of the overall structure to verify adequacy of top chord live load.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Bearing at joint(s) 9, 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 276 lb uplift at joint 9, 733 lb uplift at joint 15, 276 lb uplift at joint 16, 651 lb uplift at joint 14, 667 lb uplift at joint 12, 651 lb uplift at joint 11 and 733 lb uplift at joint 10.
10) Load case(s) 1, 2, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard Except:
1) Dead + Roof Live (balanced): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-8=-230, 9-16=-10
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-8=-18, 9-16=-167 (F=-158)
5) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-8=210 (F=230)
6) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)

Continued on page 2

Vert: 1-8=-18, 9-16=230 (F)

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	MGR40	Monopitch Girder	1	1	Job Reference (optional)

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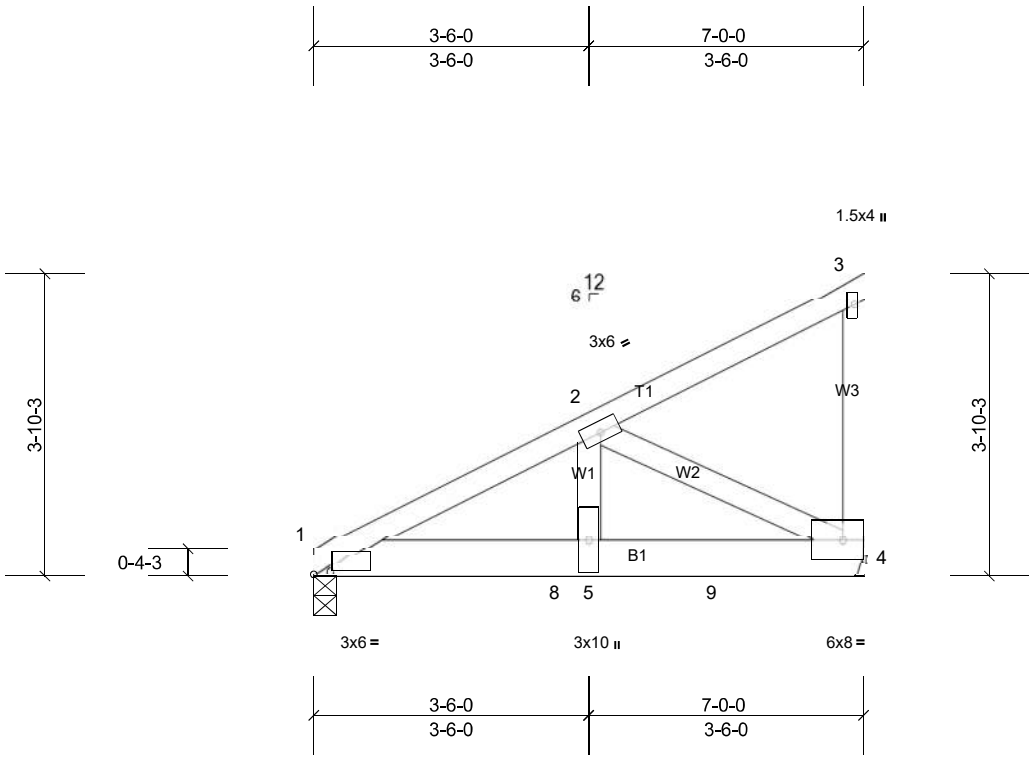

Plate Offsets (X, Y): [1:0-2-12,0-0-9]

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	0.25	Vert(LL)	0.03	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.04	5-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 40 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 4-5-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-5-13 oc bracing.

REACTIONS (lb/size) 1=1228/0-3-8, (min. 0-1-8), 4=1006/ Mechanical, (min. 0-1-8)
Max Horiz 1=187 (LC 8)
Max Uplift 1=-509 (LC 8), 4=-505 (LC 8)

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

TOP CHORD	1-2=-1637/629
BOT CHORD	1-8=-701/1418, 5-8=-701/1418, 5-9=-701/1418, 4-9=-701/1418
WEBS	2-4=-1591/786, 2-5=-470/1225

NOTES

1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 509 lb uplift at joint 1 and 505 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 594 lb down and 260 lb up at 1-0-12, and 594 lb down and 260 lb up at 3-0-12, and 594 lb down and 260 lb up at 5-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-3=-46, 1-4=-20
   Concentrated Loads (lb)
   Vert: 7=-594, 8=-594, 9=-594

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	PB01	Hip Supported Gable	1	1	Job Reference (optional)

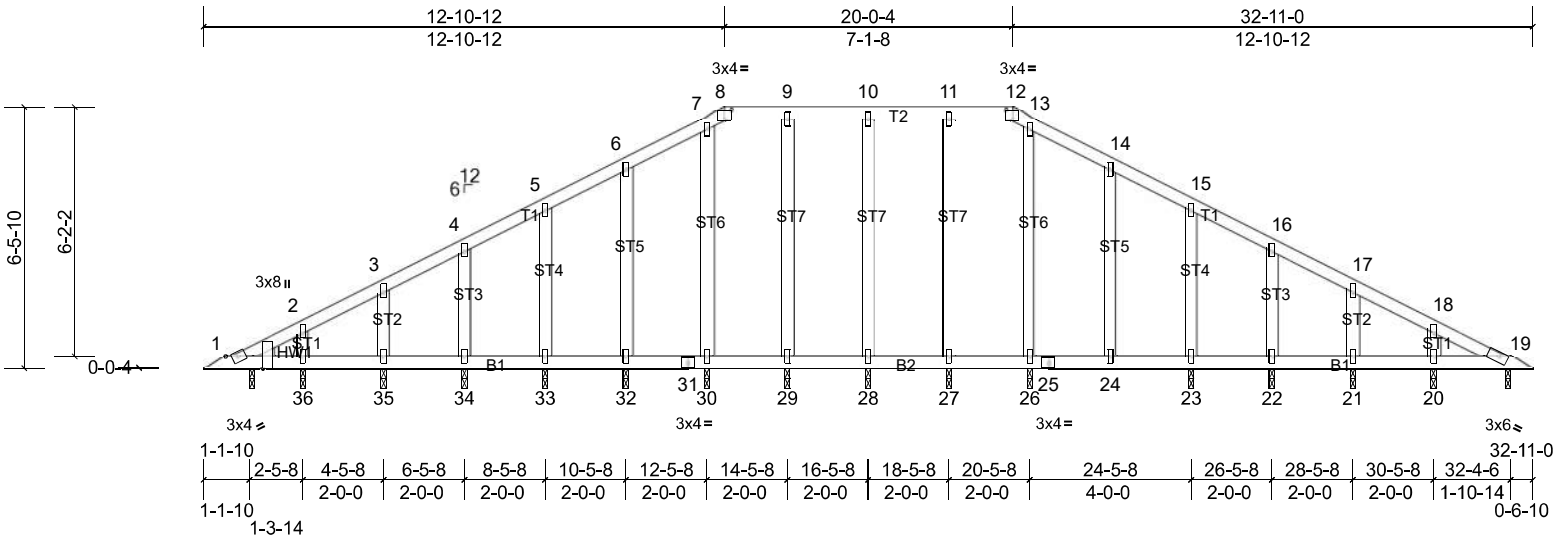

Plate Offsets (X, Y): [1:0-1-8,0-0-4], [1:0-3-8,Edge], [8:0-2-0,0-2-8], [12:0-2-0,0-2-8]

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	0.11	Vert(LL)	0.01	24	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	24	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 185 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.2
WEDGE	Left: 2x4 SP No.2

BRACING

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

REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=-97 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 20, 21, 22, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36 except 23=-101 (LC 13)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-86/258, 8-9=-80/261, 9-10=-80/261, 10-11=-80/261, 11-12=-80/261, 12-13=-92/264

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Zone3 zone; cantilever 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) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 19, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 23, 22, 21, 20.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 22, 21, 20 except (jt=lb) 23=101.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	PB02	Hip Supported Gable	2	1	Job Reference (optional)

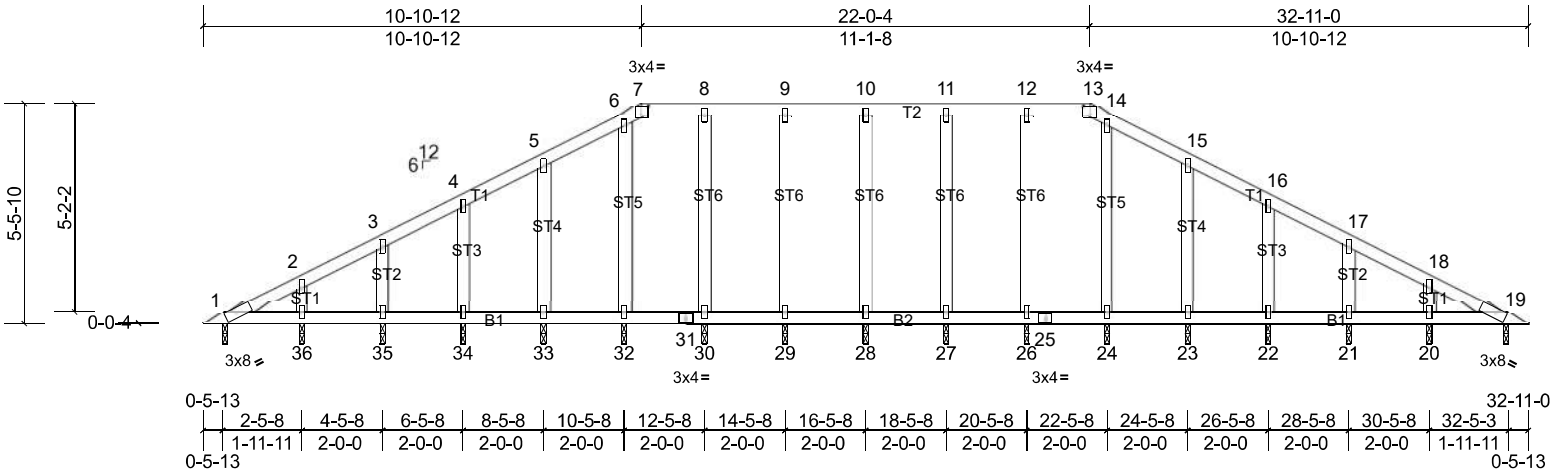

Plate Offsets (X, Y): [7:0-2-0,0-2-8], [13:0-2-0,0-2-8]

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	0.07	Vert(LL)	0.00	37	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	37	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 176 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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=-122 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 21, 22, 24, 26, 27, 28, 29, 30, 32, 34, 35 except 20=-102 (LC 13), 23=-110 (LC 13), 33=-107 (LC 12), 36=-103 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever 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) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 19, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 35, 34, 32, 30, 29, 28, 27, 26, 24, 22, 21 except (jt=lb) 36=103, 33=106, 23=109, 20=102.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	PB03	Hip Supported Gable	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:35 — Page: 1

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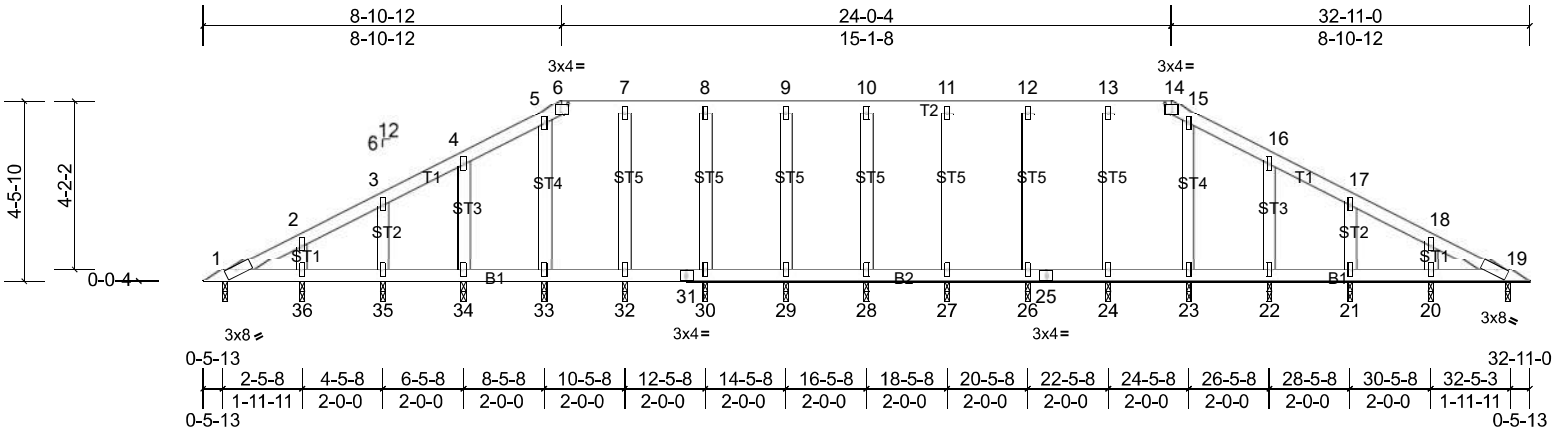

Plate Offsets (X, Y): [6:0-2-0,0-2-8], [14:0-2-0,0-2-8]

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	0.07	Vert(LL)	0.00	38	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	38	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	19	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 166 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 or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 0-1-8.

(lb) - Max Horiz 1=-64 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36

Max Grav All reactions 250 (lb) or less at joint(s) 1, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36

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

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Zone3 zone; cantilever 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) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 19, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	PB04	Hip Supported Gable	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:36 — Page: 1

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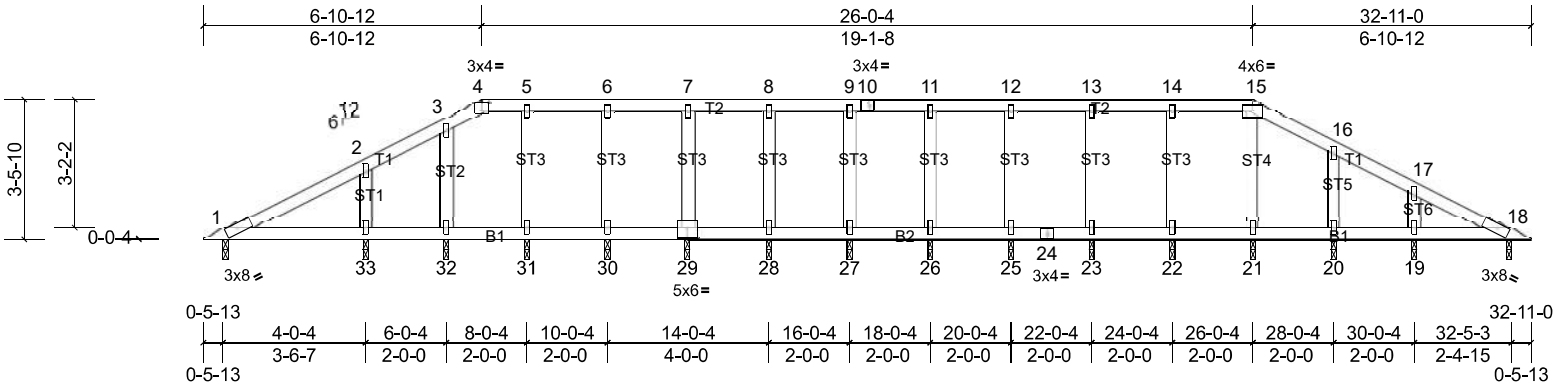

Plate Offsets (X, Y): [4:0-2-0,0-2-8], [29:0-3-0,0-3-0]

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	0.10	Vert(LL)	0.01	33-34	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	33-34	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	18	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 151 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 or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 0-1-8.

(lb) - Max Horiz 1=-48 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33

Max Grav All reactions 250 (lb) or less at joint(s) 1, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33

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

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Zone3 zone; cantilever 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) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 18, 29, 33, 32, 31, 30, 28, 27, 26, 25, 23, 22, 21, 20, 19.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 29, 33, 32, 31, 30, 28, 27, 26, 25, 23, 22, 21, 20, 19.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	PB05	Hip Supported Gable	2	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.73 S Apr 25 2024 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:37 — Page: 1

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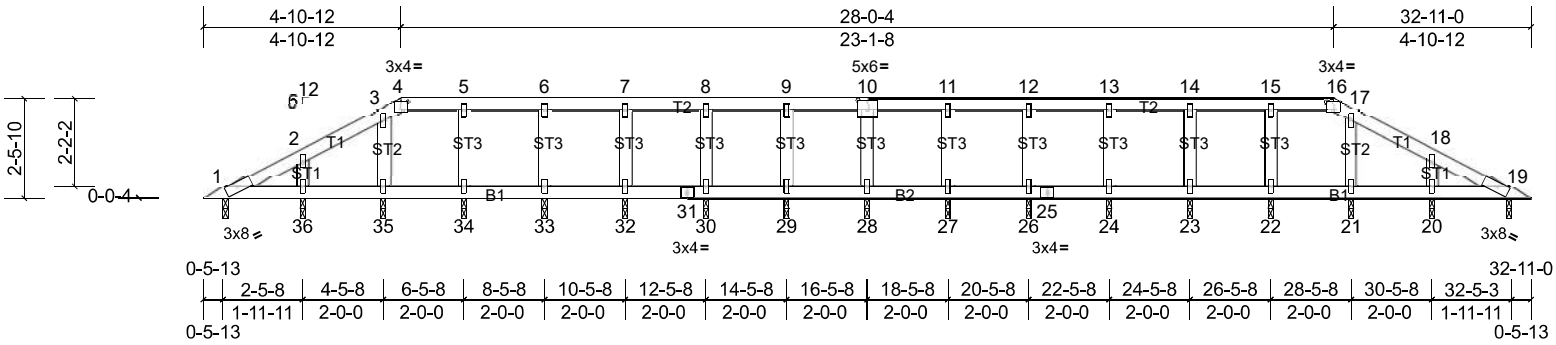

Plate Offsets (X, Y): [4:0-2-0,0-2-8], [10:0-3-0,0-3-0], [16:0-2-0,0-2-8]

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	0.04	Vert(LL)	0.00	37	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	37	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	19	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 136 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 or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 0-1-8.

(lb) - Max Horiz 1=-33 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36

Max Grav All reactions 250 (lb) or less at joint(s) 1, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36

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

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Zone3 zone; cantilever 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) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 19, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	PB06	Hip Supported Gable	2	1	Job Reference (optional)

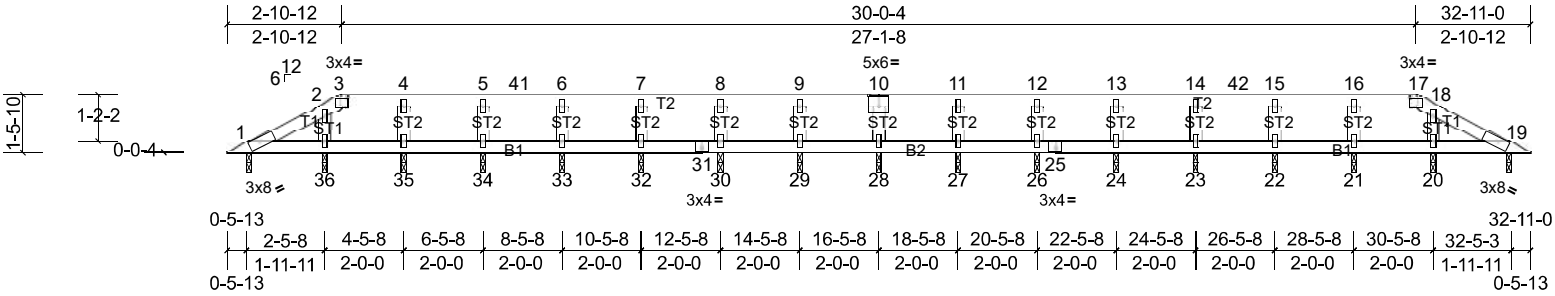

Plate Offsets (X, Y): [3:0-2-0,0-2-8], [10:0-3-0,0-3-0], [17:0-2-0,0-2-8]

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	0.03	Vert(LL)	0.00	39	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	37	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	19	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 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=-18 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36
Max Grav All reactions 250 (lb) or less at joint(s) 1, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Zone3 0-6-9 to 2-10-12, Zone2 2-10-12 to 7-4-8, Zone1 7-4-8 to 30-0-4, Zone3 30-0-4 to 32-4-7 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 19, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 19, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	PB07	Hip Supported Gable	2	1	Job Reference (optional)

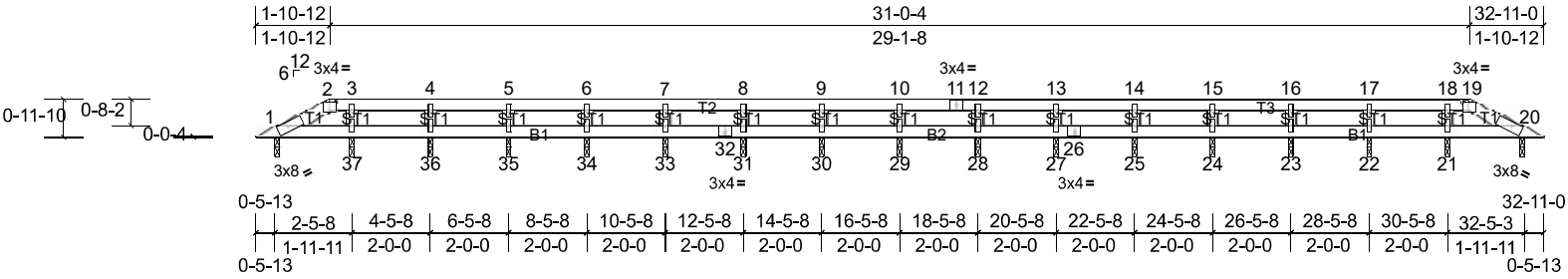

Plate Offsets (X, Y): [2:0-2-0,0-2-8], [19:0-2-0,0-2-8]

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	0.03	Vert(LL)	0.00	38	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	38	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	20	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 105 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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=16 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37
Max Grav All reactions 250 (lb) or less at joint(s) 1, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever 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) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 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.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 20, 37, 36, 35, 34, 33, 31, 30, 29, 28, 27, 25, 24, 23, 22, 21.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 20, 37, 36, 35, 34, 33, 31, 30, 29, 28, 27, 25, 24, 23, 22, 21.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	T71	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, user — Run: 8.72 S Nov 2 2023 Print: 8.730 S Apr 25 2024 MiTek Industries, Inc. Wed Aug 14 14:48:40 — Page: 1

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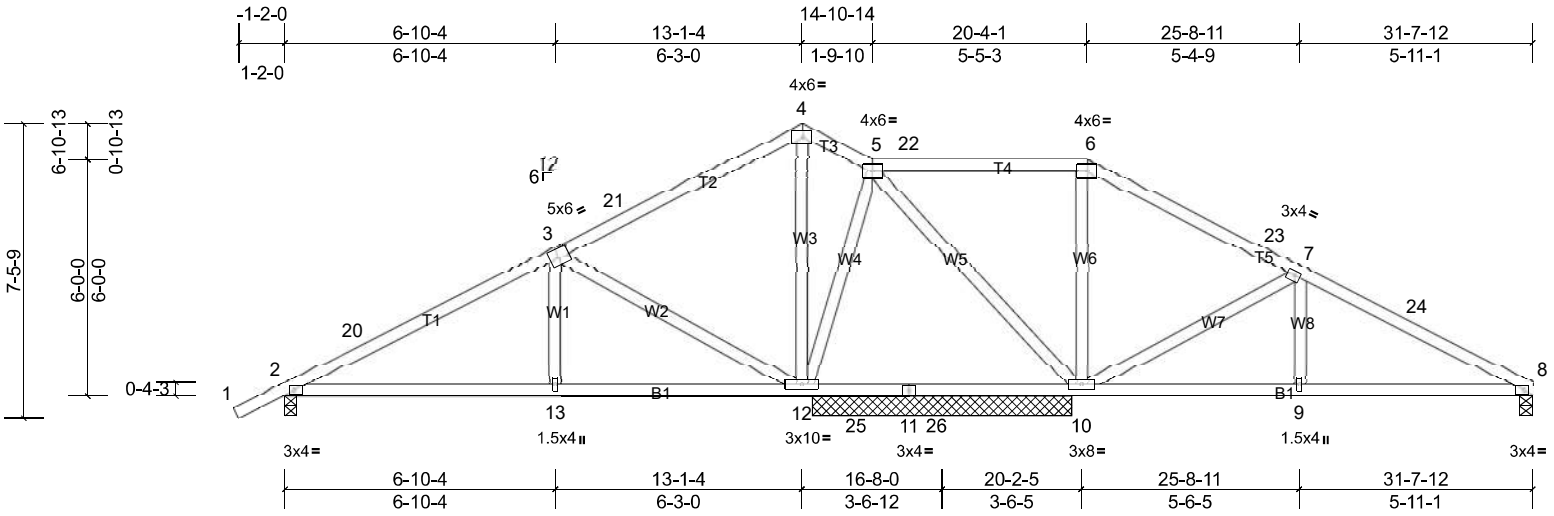

Plate Offsets (X, Y): [3:0-3-0,0-3-0]

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	0.43	Vert(LL)	-0.07	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.14	13-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 166 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 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-12.

REACTIONS All bearings 6-7-0. except 8=0-4-0, 2=0-3-8

(lb) - Max Horiz 2=183 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-199 (LC 12), 8=-140 (LC 13), 10=-410 (LC 13), 12=-358 (LC 12)

Max Grav All reactions 250 (lb) or less at joint(s) except 2=422 (LC 27), 8=309 (LC 28), 10=812 (LC 28), 12=895 (LC 2)

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

TOP CHORD	2-20=-397/160, 3-20=-369/179, 4-21=-40/297, 4-5=0/273, 6-23=-23/255, 7-24=-281/161, 8-24=-317/150
BOT CHORD	2-13=-186/371, 12-13=-187/367, 9-10=-57/263, 8-9=-57/263
WEBS	6-10=-322/244, 7-10=-509/356, 4-12=-338/174, 3-12=-585/407, 3-13=0/275

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-11-8, Zone1 1-11-8 to 13-1-4, Zone3 13-1-4 to 14-10-14, Zone1 14-10-14 to 20-4-1, Zone2 20-4-1 to 24-10-4, Zone1 24-10-4 to 31-7-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 140 lb uplift at joint 8, 199 lb uplift at joint 2, 410 lb uplift at joint 10 and 357 lb uplift at joint 12.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	T72	Roof Special	1	1	Job Reference (optional)

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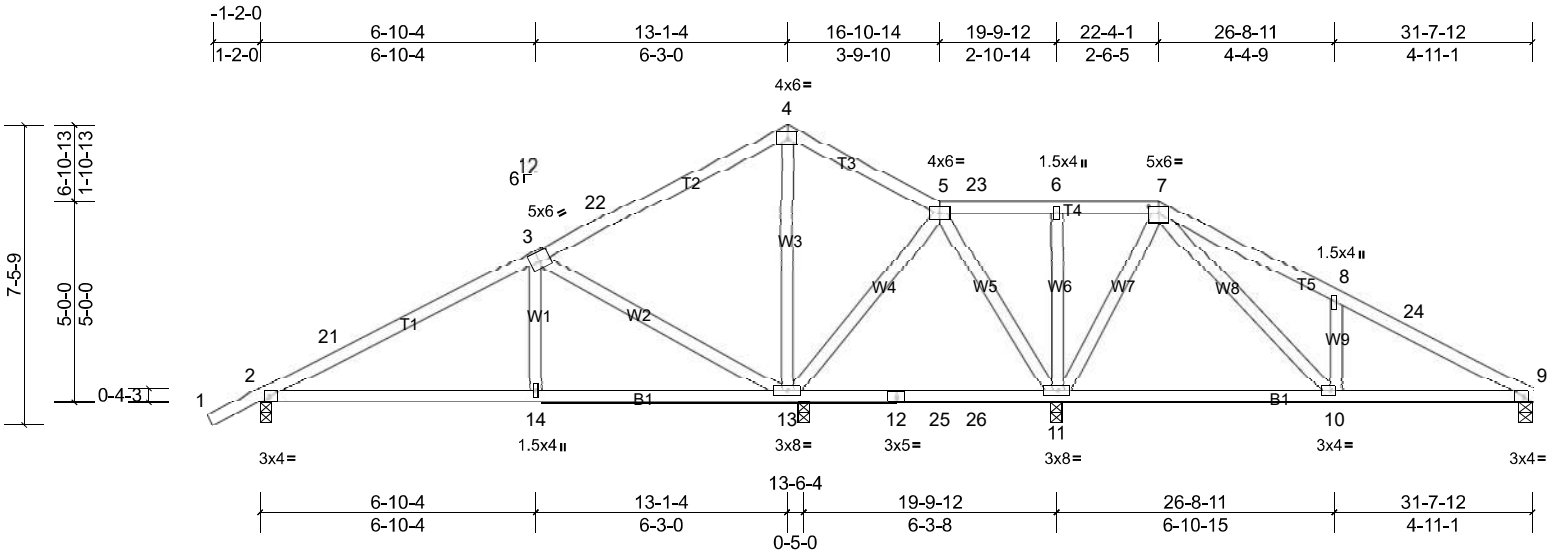

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [7:0-3-0,0-2-0]

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	0.43	Vert(LL)	0.17	11-13	>465	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	0.16	11-13	>509	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 168 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 6-0-0 oc bracing.

REACTIONS All bearings 0-3-8. except 9=0-4-0

(lb) - Max Horiz 2=183 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-196 (LC 12), 9=-150 (LC 13), 11=-405 (LC 13), 13=-373 (LC 12)

Max Grav All reactions 250 (lb) or less at joint(s) except 2=401 (LC 25), 9=292 (LC 26), 11=771 (LC 26), 13=756 (LC 1)

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

TOP CHORD	2-21=-384/138, 3-21=-345/157, 4-22=-47/257, 7-8=-412/349, 8-24=-313/196, 9-24=-385/186
BOT CHORD	2-14=-180/319, 13-14=-181/317, 9-10=-102/321
WEBS	4-13=-389/198, 8-10=-240/305, 7-11=-414/276, 7-10=-341/518, 3-13=-542/407, 3-14=0/281

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-11-8, Zone1 1-11-8 to 13-1-4, Zone3 13-1-4 to 16-10-14, Zone1 16-10-14 to 22-4-1, Zone2 22-4-1 to 26-8-11, Zone1 26-8-11 to 31-7-12 zone; cantilever left and right exposed ; porch exposed 13-6-4 to 19-9-12 ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 150 lb uplift at joint 9, 196 lb uplift at joint 2, 373 lb uplift at joint 13 and 404 lb uplift at joint 11.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	T74	Common	1	1	Job Reference (optional)

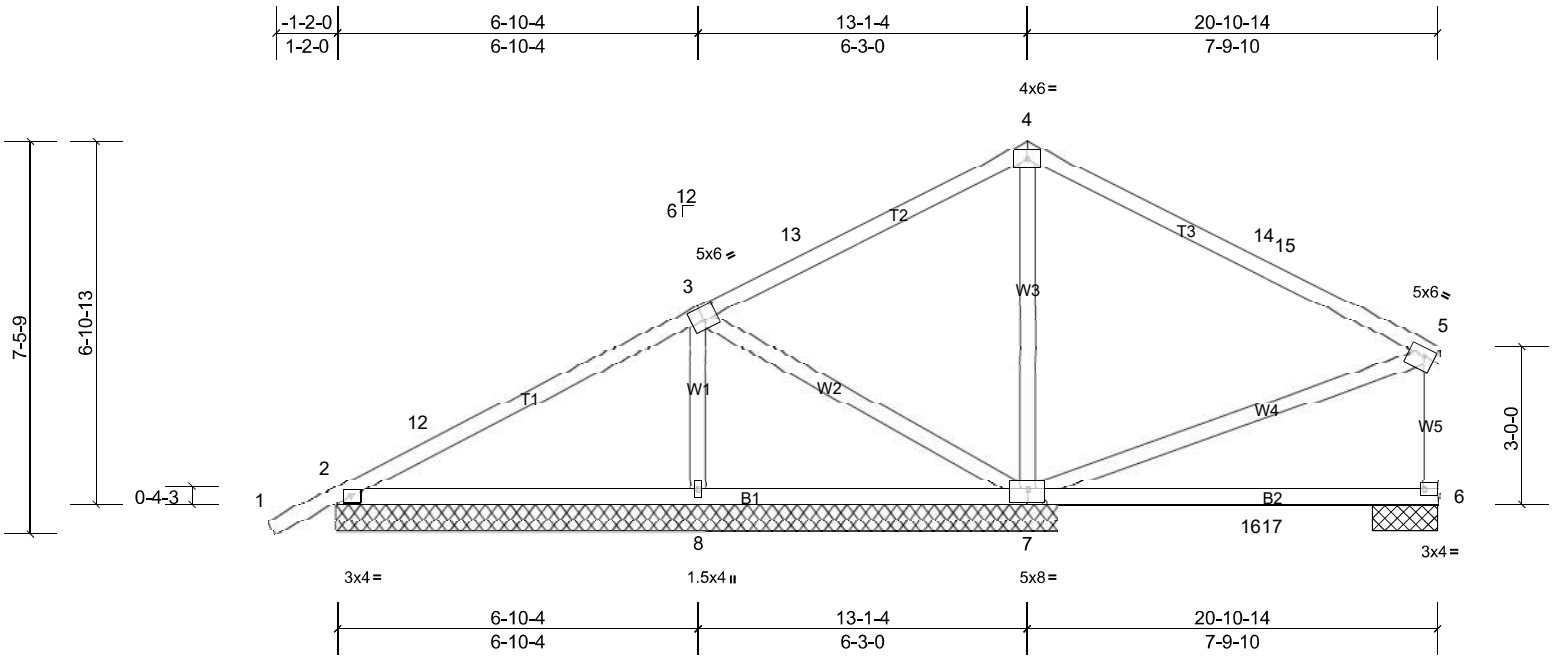

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [5:0-2-12,0-2-0], [6:Edge,0-1-8], [7:0-4-0,0-3-0]

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	0.60	Vert(LL)	0.30	6-7	>308	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	0.25	6-7	>375	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 108 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 13-8-0. except 6=1-2-14
(lb) - Max Horiz 2=267 (LC 12), 9=267 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-115 (LC 12), 6=-140 (LC 8), 7=-141 (LC 9), 8=-261 (LC 12), 9=-115 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) except 2=291 (LC 1), 6=263 (LC 1), 7=439 (LC 1), 8=435 (LC 1), 9=291 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-8=-279/304, 4-7=-262/201

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 13-1-4, Zone2 13-1-4 to 17-4-3, Zone1 17-4-3 to 20-9-2 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 114 lb uplift at joint 2, 261 lb uplift at joint 8, 140 lb uplift at joint 7, 140 lb uplift at joint 6 and 114 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	T75	Common	1	1	Job Reference (optional)

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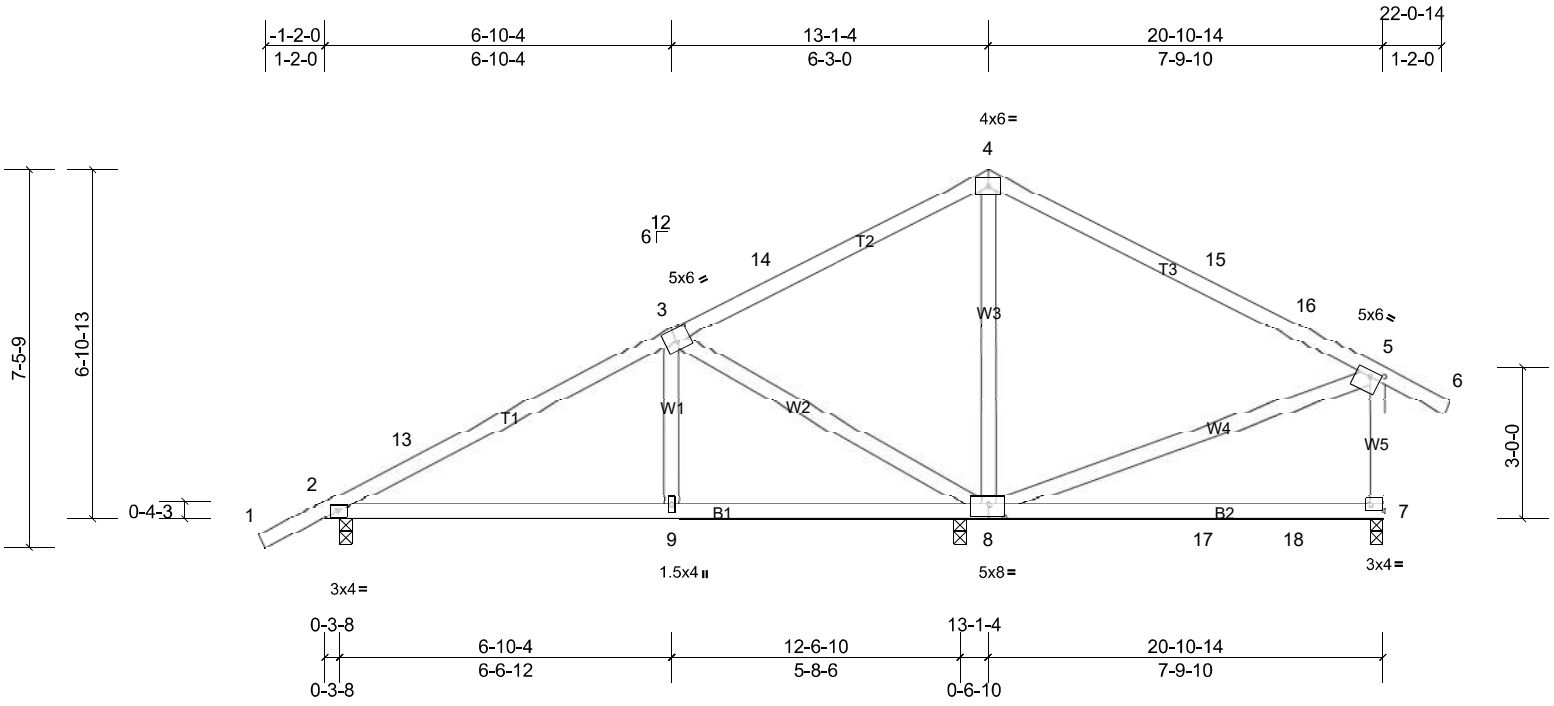

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [5:0-3-0,0-1-8], [7:Edge,0-1-8], [8:0-3-12,0-3-0]

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	0.52	Vert(LL)	0.30	7-8	>308	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	0.25	7-8	>373	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 110 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, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-11-9 oc bracing.

REACTIONS (lb/size) 2=421/0-3-0, (min. 0-1-8), 7=201/0-3-0, (min. 0-1-8), 8=868/0-3-0, (min. 0-1-8)
Max Horiz 2=229 (LC 11)
Max Uplift 2=-207 (LC 12), 7=-185 (LC 8), 8=-373 (LC 12)
Max Grav 2=421 (LC 1), 7=262 (LC 26), 8=868 (LC 1)

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

TOP CHORD	2-13=-425/187, 3-13=-385/206
BOT CHORD	2-9=-197/388, 8-9=-198/385
WEBS	5-8=-229/271, 4-8=-402/249, 3-8=-532/405, 3-9=0/265

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 13-1-4, Zone2 13-1-4 to 17-4-3, Zone1 17-4-3 to 22-1-11 zone; end vertical right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 207 lb uplift at joint 2, 185 lb uplift at joint 7 and 373 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	T80	Common	3	1	Job Reference (optional)

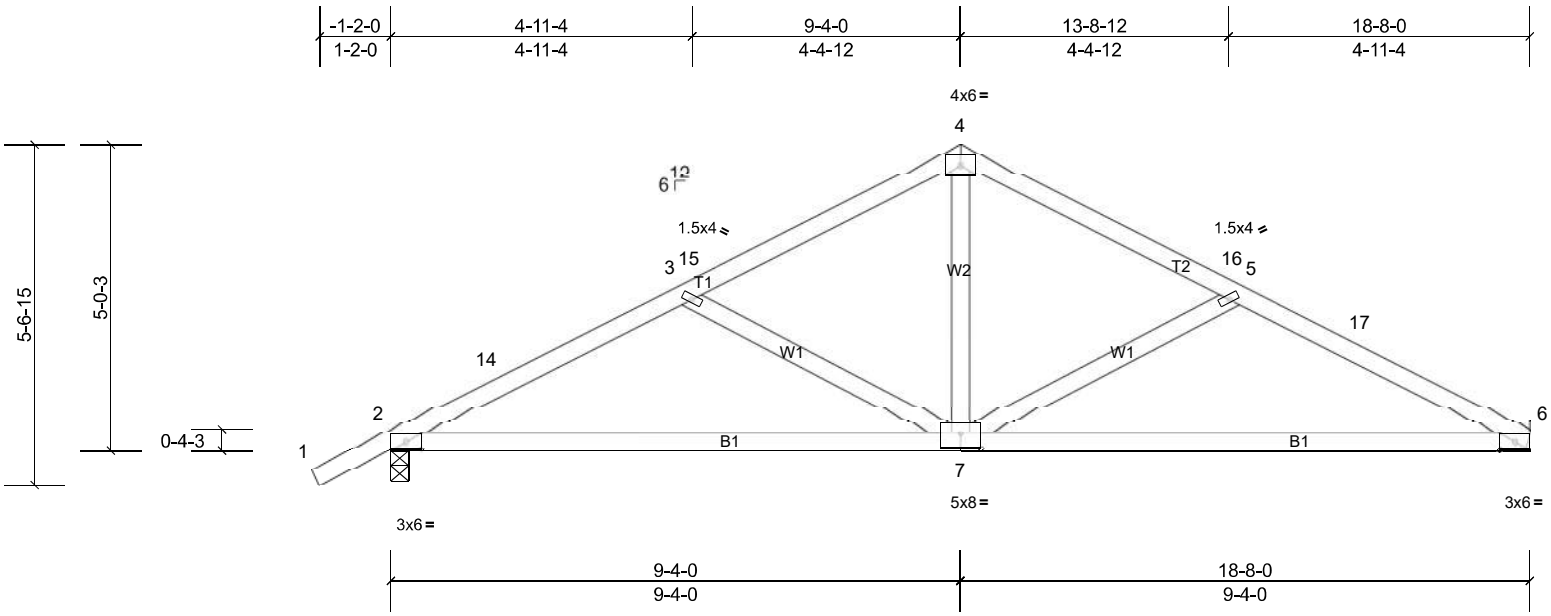

Plate Offsets (X, Y): [2:0-2-12,0-1-8], [6:0-2-12,0-1-8], [7:0-4-0,0-3-0]

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	0.43	Vert(LL)	-0.12	7-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.26	7-10	>858	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 82 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 5-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-9-13 oc bracing.

REACTIONS (lb/size) 2=675/0-3-8, (min. 0-1-8), 6=614/ Mechanical, (min. 0-1-8)
Max Horiz 2=138 (LC 12)
Max Uplift 2=-298 (LC 12), 6=-248 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-1023/552, 3-14=-1006/566, 3-15=-781/394, 4-15=-775/411, 4-16=-775/426, 5-16=-782/409, 5-17=-987/580, 6-17=-1029/571
BOT CHORD 2-7=-431/900, 6-7=-429/908
WEBS 4-7=-174/536, 5-7=-300/319, 3-7=-292/309

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 9-4-0, Zone2 9-4-0 to 13-6-15, Zone1 13-6-15 to 18-8-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 6 and 298 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	TGR73	Roof Special Girder	1	1	Job Reference (optional)

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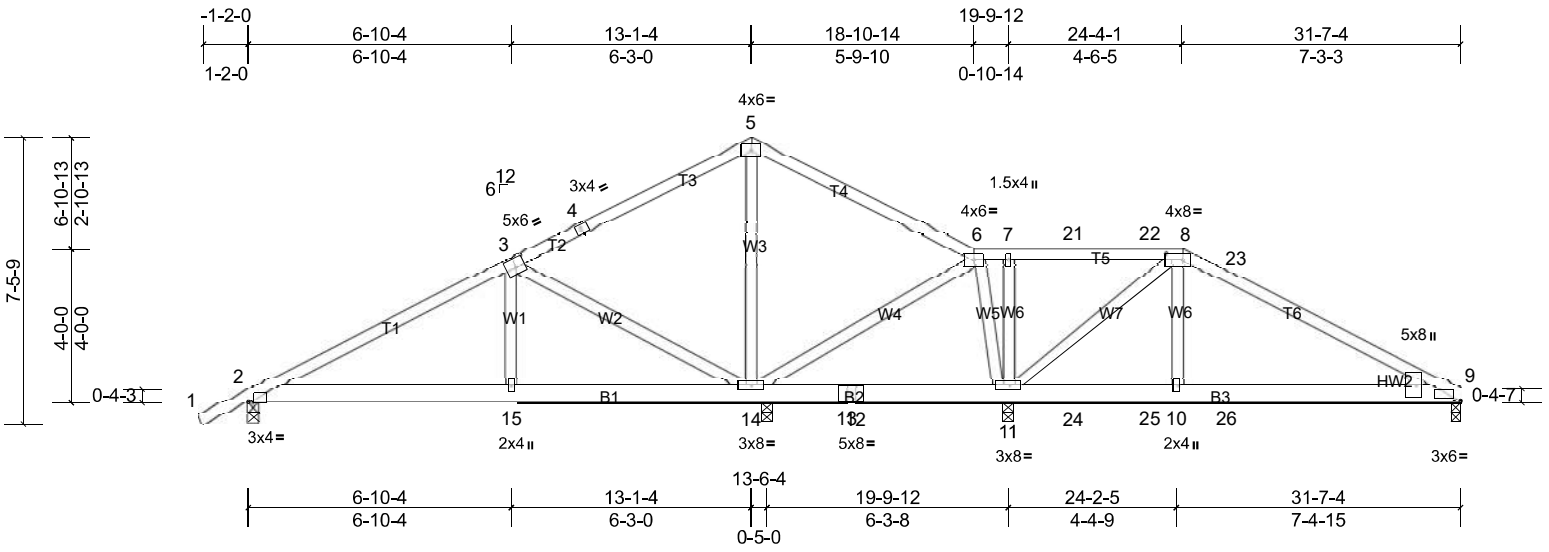


Plate Offsets (X, Y): [2:0-1-12,Edge], [3:0-3-0,0-3-0], [8:0-5-4,0-2-0], [9:0-2-4,0-0-11]

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	0.44	Vert(LL)	0.08	10-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.08	10-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 185 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2
WEDGE	Right: 2x4 SP No.2

BRACING

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

REACTIONS All bearings 0-3-8. except 9=0-3-0

(lb) - Max Horiz 2=184 (LC 27)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-194 (LC 27), 9=-255 (LC 9), 11=-651 (LC 9), 14=-424 (LC 27)

Max Grav All reactions 250 (lb) or less at joint(s) except 2=393 (LC 21), 9=340 (LC 22), 11=648 (LC 22), 14=842 (LC 1)

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

TOP CHORD 2-3=-386/143, 4-5=-71/261, 5-6=-53/258, 8-23=-296/369, 9-23=-374/359

BOT CHORD 2-15=-174/319, 14-15=-175/316, 11-24=-210/305, 24-25=-210/305, 10-25=-210/305, 10-26=-198/293, 9-26=-198/293

WEBS 8-10=-299/335, 5-14=-438/245, 3-15=0/292, 3-14=-542/409, 8-11=-598/602

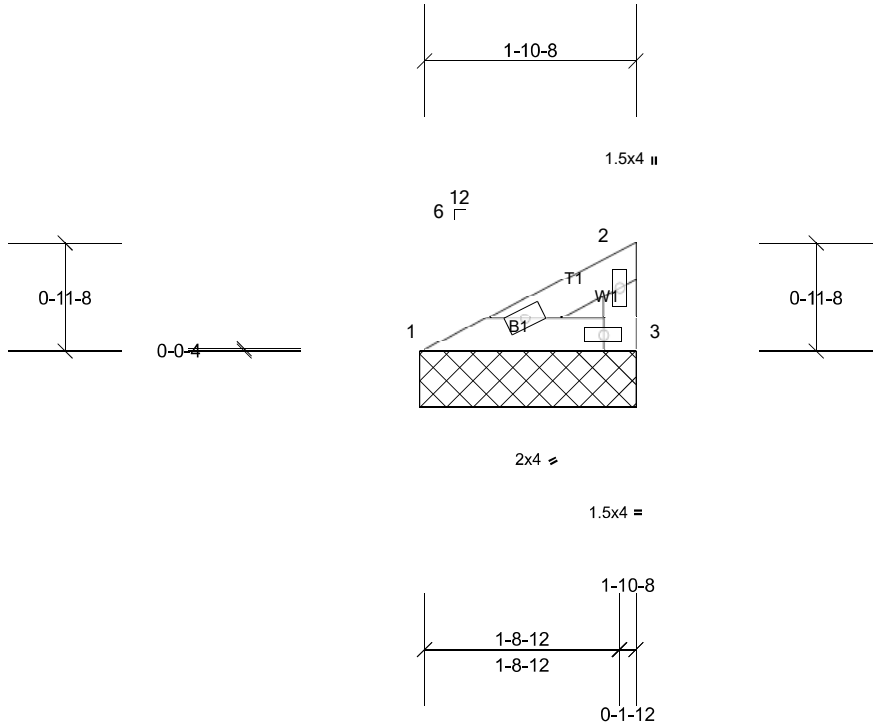
NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; porch exposed 13-6-4 to 19-9-12 ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 193 lb uplift at joint 2, 255 lb uplift at joint 9, 651 lb uplift at joint 11 and 424 lb uplift at joint 14.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down and 24 lb up at 21-6-1, and 76 lb down and 24 lb up at 23-6-1, and 19 lb down and 32 lb up at 25-6-1 on top chord, and 77 lb down and 131 lb up at 21-6-1, and 77 lb down and 131 lb up at 23-6-1, and 72 lb down and 101 lb up at 25-6-1 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: 1-5=-46, 5-6=-46, 6-8=-46, 8-9=-46, 2-18=-20
   Concentrated Loads (lb)
   Vert: 24=-1, 25=-1, 26=-7

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	V01	Valley	2	1	Job Reference (optional)



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	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	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
WEBS	2x4 SP No.2

BRACING

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

REACTIONS (lb/size) 1=58/1-11-0, (min. 0-1-8), 3=58/1-11-0, (min. 0-1-8)
Max Horiz 1=39 (LC 12)
Max Uplift 1=-22 (LC 12), 3=-38 (LC 12)

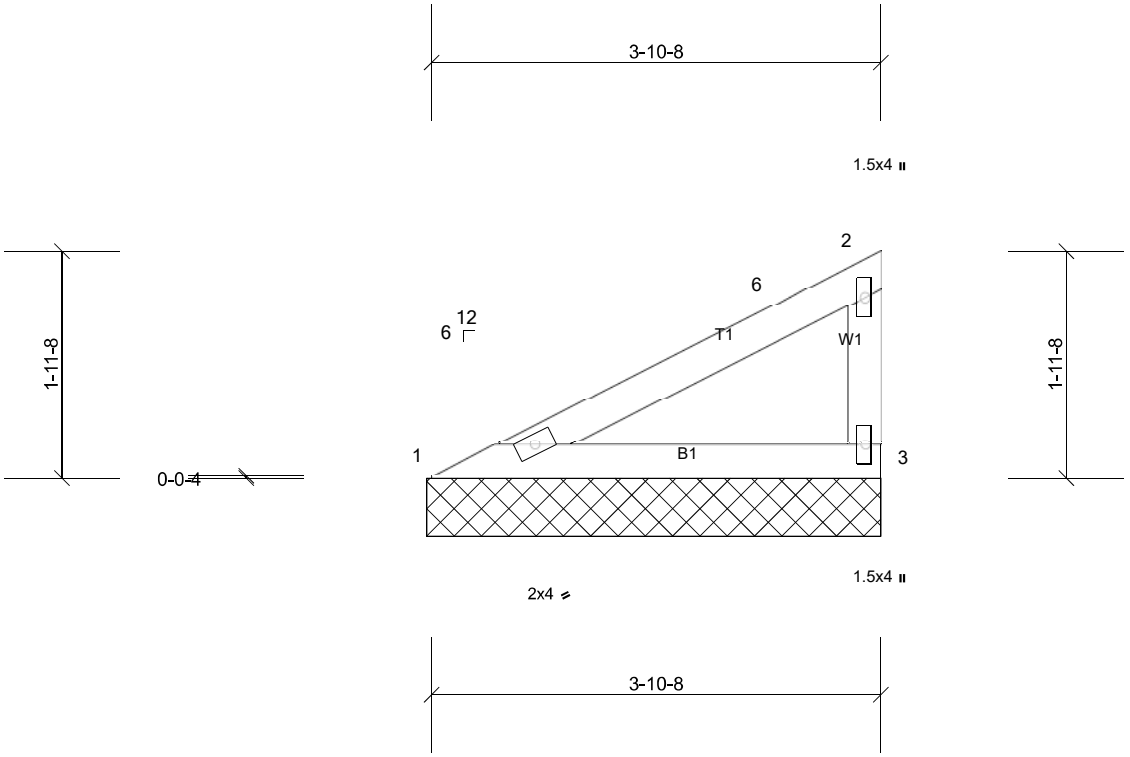
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 38 lb uplift at joint 3.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	V02	Valley	2	1	Job Reference (optional)



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)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	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: 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 3-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

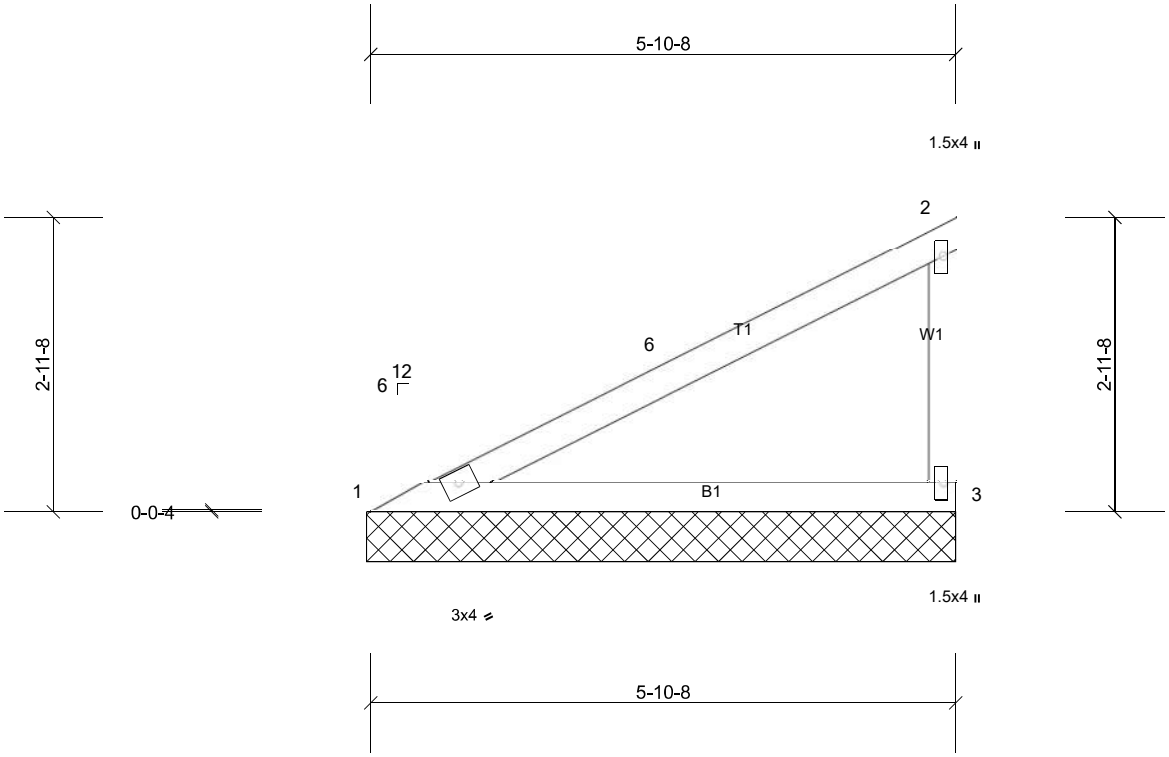
REACTIONS (lb/size) 1=124/3-11-0, (min. 0-1-8), 3=124/3-11-0, (min. 0-1-8)
Max Horiz 1=94 (LC 12)
Max Uplift 1=-43 (LC 12), 3=-86 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 1-3=-271/225

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 3-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 86 lb uplift at joint 3 and 43 lb uplift at joint 1.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	J BASE
Livorno J Frame _	V03	Valley	2	1	Job Reference (optional)



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	0.47	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.50	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 21 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 5-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=190/5-11-0, (min. 0-1-8), 3=190/5-11-0, (min. 0-1-8)
Max Horiz 1=148 (LC 12)
Max Uplift 1=-63 (LC 12), 3=-133 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-344/222
BOT CHORD 1-3=-402/373

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 5-9-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 133 lb uplift at joint 3 and 63 lb uplift at joint 1.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.

LOAD CASE(S) Standard