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
9FC00901	009 - 1	TBD SW CADENCE GLEN LAKE CITY, FL 32024	JAW/9FC	LVRB43B/RH

LIVORNO B W/ RSD - 3CAR SIDE & SITTING RM OPT

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

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

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

Truss ID	Run Date	Drawing Reviewed	Truss ID	Run Date	Drawing Reviewed
Layout	01/04/24		JGR50	01/04/24	
REACTION SUMMARY	01/04/24		JGR56	01/04/24	
MII web plate	2021		JGR76	01/04/24	
OR1	2009		JGRD04	01/04/24	
ST-4ply Screw	2012		M51	01/04/24	
VC1	2009		M52	01/04/24	
TN1	2009		M53	01/04/24	
MII-REP01A1	2021		MGR40	01/04/24	
MMII-PIGGY-PERP	2019		MGR46	01/04/24	
H09T	01/04/24		MGR50	01/04/24	
H11T	01/04/24		MGR54	01/04/24	
H13TA	01/04/24		PB01	01/04/24	
H13TB	01/04/24		PB02	01/04/24	
H15T	01/04/24		PB03	01/04/24	
H15TA	01/04/24		PB04	01/04/24	
H17T	01/04/24		PB05	01/04/24	
H17TA	01/04/24		PB06	01/04/24	
H17TB	01/04/24		PB07	01/04/24	
H17TC	01/04/24		T09TB	01/04/24	
H17TD	01/04/24		T11TB	01/04/24	
H17TE	01/04/24		T40B	01/04/24	
HGR07T	01/04/24		T42B	01/04/24	
HGR47B	01/04/24		T46B	01/04/24	
HGR54B	01/04/24		T50B	01/04/24	
J04	01/04/24		T52B	01/04/24	
J05	01/04/24		T53B	01/04/24	
J05T	01/04/24		TGR07TB	01/04/24	
J07T	01/04/24		TGR45B	01/04/24	
J16	01/04/24		TGR51B	01/04/24	
J36	01/04/24		V01	01/04/24	
J36S	01/04/24		V02	01/04/24	
J36SB	01/04/24		V03	01/04/24	
J40	01/04/24				
J41	01/04/24		**INV #**	**DESC**	**QNTY**
J50	01/04/24		**050060.0110**	**JUS26**	**8**
J51	01/04/24		**050060.0047**	**THD28**	
J56	01/04/24		**050060.0049**	**THD28-2**	
J56S	01/04/24		**050060.0106**	**HUS26**	**2**
J76	01/04/24		**050060.0272**	**HUS179**	
J76P	01/04/24		**050060.0058**	**HJC26**	**2**
JGR07T	01/04/24		**050060.0312**	**HJC26-SK60**	
JGR46	01/04/24		**SEAT PLATES**		**181**
JGR47	01/04/24		**FLOOR SEAT PLATES**		

No. of Eng. Dwgs: **75**

Roof Loads-

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

Floor Loads-

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

TSG
Making Dreams Come True
TOTAL SOLUTIONS GROUP
258 Southhall Lane, Suite 200
Maitland, Florida, 32751
(407) 880 2333
CA No. 9181
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

1-17-25 Signing Date: 01/21/2025

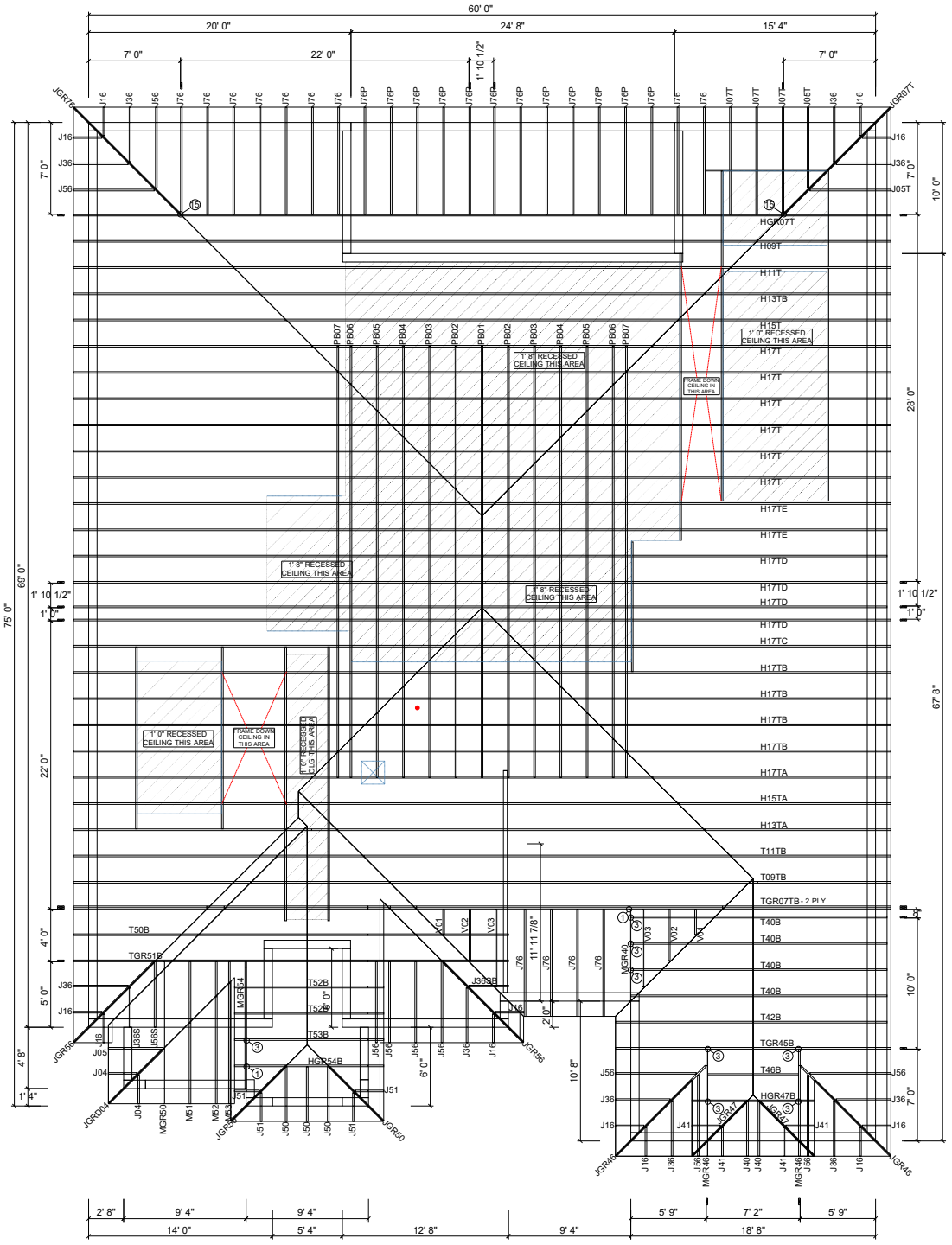
TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND UNDERSTANDING, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE SIGNED AND SEALED FOR THE STRUCTURAL PORTION OF THIS DRAWING.

		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	160.0 mph Vasd=124.0 mph
TOTAL	33.0 lb/ft²	SPACING	24" O.C.

GENERAL TRUSS NOTES:

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

TRUSS PLACEMENT PLAN



LIVORNO "B"
RSD CLG
SITTING ROOM
3CAR SIDE

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

CUSTOMER:Maronda Systems

Model: LIVORNO

ELEV: B RC STG RM 3CAR SIDE

DRAWN BY: C. HUNTER

RELEASE DATE: 1/4/2024

GARAGE: RIGHT

TSG
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TOTAL SOLUTIONS GROUP
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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

Page 1 of 1

Reaction Summary

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

SOLD TO Maronda Homes

JOB NAME Livorno 2023 USE FOR RSD OLD

STRUCTURE RH

MODEL Livorno

SHIP TO Livorno A RSD CLG STG RM 3CAR SIDE

TRANSACTION # 24000032

STATUS Quote

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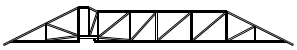
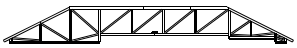
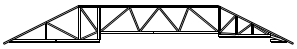
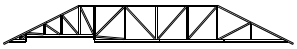
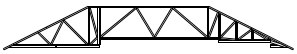
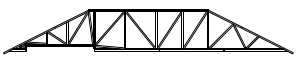
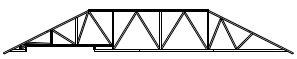
SCHD DELIVERY This field intentionally left blank.

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	160	4.2	6

PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	H09T	6 /12	4-10-03	60-00-00	24" o.c	REACTIONS	All bearings 7-10.	
						(lb) -	Max Horiz	2=158 (LC 12)
							Max Uplift	All uplift 100 (lb) or less at joint(s) except 2=-441 (LC 12), 17=-266 (LC 13), 25=-1189 (LC 13), 31=-1254 (LC 9)
							Max Grav	All reactions 250 (lb) or less at joint(s) except 2=548 (LC 1), 17=293 (LC 1), 25=1637 (LC 26), 31=1662 (LC 25)
	H11T	6 /12	5-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=248/7-10, (min. 1-08), 15=1184/7-10, (min. 1-08), 26=2641/3-08, (min. 3-02)
							Max Horiz	2=-188 (LC 13)
							Max Uplift	2=-351 (LC 12), 15=-924 (LC 13), 26=-1788 (LC 9)
							Max Grav	2=337 (LC 19), 15=1190 (LC 26), 26=2641 (LC 1)
	H13TA	6 /12	7-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=890/7-10, (min. 1-08), 13=739/7-10, (min. 1-08), 20=2459/3-08, (min. 3-05)
							Max Horiz	2=-249 (LC 13)
							Max Uplift	2=-610 (LC 12), 13=-620 (LC 13), 20=-1654 (LC 13)
							Max Grav	2=967 (LC 2), 13=844 (LC 28), 20=2833 (LC 2)
	H13TB	6 /12	6-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	16=2031/7-02, (min. 2-11), 31=2031/7-02, (min. 2-10)
							Max Horiz	31=219 (LC 12)
							Max Uplift	16=-1165 (LC 8), 31=-1161 (LC 9)
							Max Grav	16=2254 (LC 2), 31=2235 (LC 2)
	H15T	6 /12	7-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=155/7-10, (min. 1-08), 14=1204/7-10, (min. 1-08), 26=2749/3-08, (min. 3-03)
							Max Horiz	2=254 (LC 12)
							Max Uplift	2=-324 (LC 12), 14=-733 (LC 13), 26=-1595 (LC 9)
							Max Grav	2=278 (LC 19), 14=1373 (LC 28), 26=3157 (LC 2)
	H15TA	6 /12	7-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=746/7-10, (min. 1-08), 16=584/7-10, (min. 1-08), 23=2744/3-08, (min. 3-03)
							Max Horiz	2=250 (LC 12)
							Max Uplift	2=-589 (LC 12), 16=-619 (LC 13), 23=-1621 (LC 9)
							Max Grav	2=830 (LC 27), 16=716 (LC 28), 23=3156 (LC 2)
	H17T	6 /12	8-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=203/7-10, (min. 1-08), 16=1228/7-10, (min. 1-08), 27=2679/3-08, (min. 3-03)
							Max Horiz	2=285 (LC 12)
							Max Uplift	2=-310 (LC 12), 16=-910 (LC 13), 27=-1505 (LC 12)
							Max Grav	2=312 (LC 19), 16=1404 (LC 28), 27=3138 (LC 2)
	H17TA	6 /12	8-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=703/7-10, (min. 1-08), 18=536/7-10, (min. 1-08), 25=2834/3-08, (min. 3-06)
							Max Horiz	2=-281 (LC 17)
							Max Uplift	2=-548 (LC 12), 18=-603 (LC 13), 25=-1678 (LC 12)
							Max Grav	2=798 (LC 27), 18=688 (LC 28), 25=3317 (LC 2)
	H17TB	6 /12	9-10-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=652/7-10, (min. 1-08), 18=1213/7-10, (min. 1-10), 25=2285/3-08, (min. 3-04)
							Max Horiz	2=281 (LC 12)
							Max Uplift	2=-537 (LC 12), 18=-1030 (LC 13), 25=-1226 (LC 12)

Reaction Summary

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

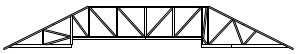
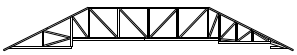
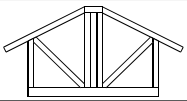
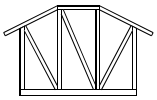
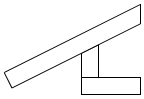
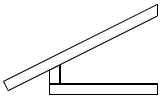
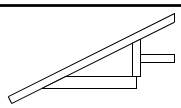
SOLD TO Maronda Homes

JOB NAME Livorno 2023 USE FOR RSD OLD
STRUCTURE RH
MODEL Livorno
SHIP TO Livorno A RSD CLG STG RM 3CAR SIDE

TRANSACTION # 24000032
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	160	4.2	6

							Max Grav	2=719 (LC 27), 18=1403 (LC 28), 25=2775 (LC 2)
	**H17TC**	6 /12	13-10-03	60-00-00	24" o.c	**REACTIONS**	(lb/size)	2=274/7-10, (min. 1-08), 17=1169/7-10, (min. 1-09), 29=2630/3-08, (min. 3-02)
							Max Horiz	2=281 (LC 12)
							Max Uplift	2=-341 (LC 12), 17=-925 (LC 13), 29=-1487 (LC 12)
							Max Grav	2=386 (LC 19), 17=1340 (LC 28), 29=3080 (LC 2)
	**H17TD**	6 /12	15-04-03	60-00-00	24" o.c	**REACTIONS**	(lb/size)	2=-24/7-10, (min. 1-08), 16=1446/7-10, (min. 1-15), 28=2651/3-08, (min. 3-02)
							Max Horiz	2=281 (LC 12)
							Max Uplift	2=-250 (LC 26), 16=-1069 (LC 13), 28=-1572 (LC 12)
							Max Grav	2=194 (LC 10), 16=1657 (LC 28), 28=3088 (LC 2)
	**H17TE**	6 /12	15-04-03	60-00-00	24" o.c	**REACTIONS**	(lb/size)	2=-139/7-10, (min. 1-08), 16=1413/7-10, (min. 1-08), 30=2800/3-08, (min. 3-04)
							Max Horiz	2=281 (LC 12)
							Max Uplift	2=-373 (LC 28), 16=-1043 (LC 13), 30=-1628 (LC 12)
							Max Grav	2=233 (LC 8), 16=1599 (LC 28), 30=3246 (LC 2)
	**HGR07T**	6 /12	3-10-03	60-00-00	24" o.c	**REACTIONS**	All bearings 7-10.	
						(lb) -	Max Horiz	2=127 (LC 8)
							Max Uplift	All uplift 100 (lb) or less at joint(s) except 2=-848 (LC 8), 16=-306 (LC 9), 24=-3668 (LC 4), 30=-3857 (LC 5)
							Max Grav	All reactions 250 (lb) or less at joint(s) except 2=928 (LC 1), 16=376 (LC 16), 24=3328 (LC 22), 30=3984 (LC 21)
	**HGR47B**	6 /12	4-09-03	6-11-00	24" o.c	**REACTIONS**	(lb/size)	7=345/ Mechanical, (min. 1-08), 10=345/ Mechanical, (min. 1-08)
							Max Horiz	10=66 (LC 12)
							Max Uplift	7=-627 (LC 9), 10=-627 (LC 8)
	**HGR54B**	6 /12	7-02-03	9-03-00	24" o.c	**REACTIONS**	(lb/size)	7=385/7-02, (min. 1-08), 10=385/ Mechanical, (min. 1-08)
							Max Horiz	10=-406 (LC 6)
							Max Uplift	7=-2018 (LC 5), 10=-2018 (LC 4)
							Max Grav	7=1262 (LC 6), 10=1262 (LC 7)
	**J04**	6 /12	1-06-03	1-00-00	24" o.c	**REACTIONS**	(lb/size)	3=-21/ Mechanical, (min. 1-08), 4=-3/ Mechanical, (min. 1-08), 5=143/7-10, (min. 1-08)
							Max Horiz	5=71 (LC 9)
							Max Uplift	3=-21 (LC 1), 4=-15 (LC 9), 5=-105 (LC 12)
							Max Grav	3=20 (LC 8), 4=15 (LC 10), 5=143 (LC 1)
	**J05**	6 /12	2-06-03	3-00-00	24" o.c	**REACTIONS**	(lb/size)	3=51/ Mechanical, (min. 1-08), 4=26/ Mechanical, (min. 1-08), 5=171/7-10, (min. 1-08)
							Max Horiz	5=122 (LC 12)
							Max Uplift	3=-104 (LC 12), 4=-44 (LC 9), 5=-105 (LC 12)
							Max Grav	3=51 (LC 1), 4=51 (LC 3), 5=171 (LC 1)
	**J05T**	6 /12	2-10-03	5-00-00	24" o.c	**REACTIONS**	(lb/size)	2=227/7-10, (min. 1-08), 4=69/ Mechanical, (min. 1-08), 5=86/ Mechanical, (min. 1-08)
							Max Horiz	2=213 (LC 12)
							Max Uplift	2=-156 (LC 12), 4=-87 (LC 12), 5=-72 (LC 12)

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STRUCTURE RH

MODEL Livorno

SHIP TO Livorno A RSD CLG STG RM 3CAR SIDE

TRANSACTION # 24000032

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SALES REP MiTek Industries

JOB CATEGORY

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16	7	0	10				

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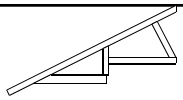
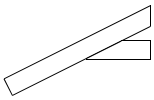
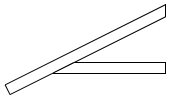
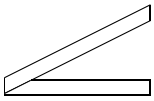
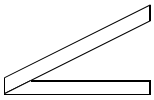
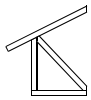
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	160	4.2	6

PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	**J07T**	6 /12	3-10-03	7-00-00	24" o.c	**REACTIONS**	(lb/size)	2=289/7-10, (min. 1-08), 5=-172/ Mechanical, (min. 1-08), 6=397/ Mechanical, (min. 1-08)
							Max Horiz	2=273 (LC 12)
							Max Uplift	2=-188 (LC 12), 5=-172 (LC 1), 6=-382 (LC 12)
							Max Grav	2=289 (LC 1), 5=177 (LC 12), 6=397 (LC 1)
	**J16**	6 /12	10-03	1-00-00	24" o.c	**REACTIONS**	(lb/size)	2=125/7-10, (min. 1-08), 3=3/ Mechanical, (min. 1-08), 4=-6/ Mechanical, (min. 1-08)
							Max Horiz	2=73 (LC 10)
							Max Uplift	2=-130 (LC 10), 3=-4 (LC 10), 4=-6 (LC 1)
							Max Grav	2=125 (LC 1), 3=11 (LC 6), 4=25 (LC 14)
	**J36**	6 /12	1-10-03	3-00-00	24" o.c	**REACTIONS**	(lb/size)	2=165/7-10, (min. 1-08), 3=54/ Mechanical, (min. 1-08), 4=31/ Mechanical, (min. 1-08)
							Max Horiz	2=142 (LC 10)
							Max Uplift	2=-129 (LC 10), 3=-84 (LC 10), 4=-1 (LC 10)
							Max Grav	2=165 (LC 1), 3=54 (LC 1), 4=51 (LC 3)
	**J36S**	6 /12	1-10-03	3-00-00	24" o.c	**REACTIONS**	(lb/size)	1=97/7-10, (min. 1-08), 2=59/ Mechanical, (min. 1-08), 3=38/ Mechanical, (min. 1-08)
							Max Horiz	1=116 (LC 12)
							Max Uplift	1=-55 (LC 12), 2=-104 (LC 12), 3=-13 (LC 12)
							Max Grav	1=97 (LC 1), 2=59 (LC 1), 3=52 (LC 3)
	**J36SB**	6 /12	1-10-03	3-00-00	24" o.c	**REACTIONS**	(lb/size)	1=97/3-08, (min. 1-08), 2=59/ Mechanical, (min. 1-08), 3=38/ Mechanical, (min. 1-08)
							Max Horiz	1=104 (LC 12)
							Max Uplift	1=-47 (LC 12), 2=-92 (LC 12), 3=-10 (LC 12)
							Max Grav	1=97 (LC 1), 2=59 (LC 1), 3=52 (LC 3)
	**J40**	6 /12	4-09-03	2-11-08	24" o.c	**REACTIONS**	(lb/size)	3=46/ Mechanical, (min. 1-08), 4=28/ Mechanical, (min. 1-08), 5=174/7-02, (min. 1-08)
							Max Horiz	5=198 (LC 9)
							Max Uplift	3=-86 (LC 12), 4=-136 (LC 9), 5=-46 (LC 16)
							Max Grav	3=46 (LC 1), 4=101 (LC 10), 5=174 (LC 1)
	**J41**	6 /12	3-09-03	11-08	24" o.c	**REACTIONS**	(lb/size)	3=-34/ Mechanical, (min. 1-08), 4=2/ Mechanical, (min. 1-08), 5=150/7-02, (min. 1-08)
							Max Horiz	5=72 (LC 12)
							Max Uplift	3=-89 (LC 12), 4=-126 (LC 12)
							Max Grav	3=-10 (LC 10), 4=14 (LC 3), 5=158 (LC 21)
	**J50**	6 /12	7-02-03	3-00-00	24" o.c	**REACTIONS**	(lb/size)	3=46/ Mechanical, (min. 1-08), 4=28/ Mechanical, (min. 1-08), 5=174/3-08, (min. 1-08)
							Max Horiz	5=289 (LC 9)
							Max Uplift	3=-86 (LC 12), 4=-393 (LC 9), 5=-243 (LC 10)
							Max Grav	3=46 (LC 1), 4=227 (LC 10), 5=250 (LC 9)
	**J51**	6 /12	6-02-03	1-00-00	24" o.c	**REACTIONS**	(lb/size)	3=-40/ Mechanical, (min. 1-08), 4=7/ Mechanical, (min. 1-08), 5=148/3-08, (min. 1-08)
							Max Horiz	5=-263 (LC 10)
							Max Uplift	3=-40 (LC 1), 4=-1169 (LC 9), 5=-1024 (LC 10)

Reaction Summary

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

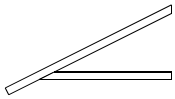
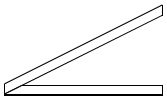
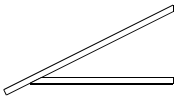
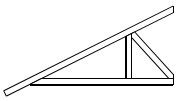
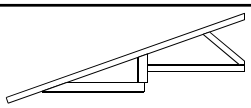
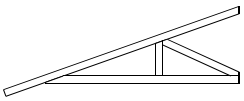
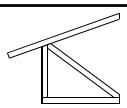
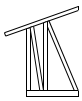
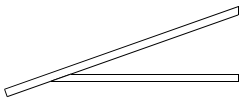
SOLD TO Maronda Homes

JOB NAME Livorno 2023 USE FOR RSD OLD
STRUCTURE RH
MODEL Livorno
SHIP TO Livorno A RSD CLG STG RM 3CAR SIDE

TRANSACTION # 24000032
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	160	4.2	6

							Max Grav	3=58 (LC 16), 4=1025 (LC 10), 5=1067 (LC 9)
	**J56**	6 /12	2-10-03	5-00-00	24" o.c	**REACTIONS**	(lb/size)	2=227/7-10, (min. 1-08), 3=98/ Mechanical, (min. 1-08), 4=58/ Mechanical, (min. 1-08)
							Max Horiz	2=213 (LC 10)
							Max Uplift	2=-155 (LC 10), 3=-156 (LC 10), 4=-4 (LC 10)
							Max Grav	2=227 (LC 1), 3=98 (LC 1), 4=88 (LC 3)
	**J56S**	6 /12	2-10-03	5-00-00	24" o.c	**REACTIONS**	(lb/size)	1=163/7-10, (min. 1-08), 2=102/ Mechanical, (min. 1-08), 3=61/ Mechanical, (min. 1-08)
							Max Horiz	1=195 (LC 12)
							Max Uplift	1=-94 (LC 12), 2=-181 (LC 12), 3=-14 (LC 12)
							Max Grav	1=163 (LC 1), 2=102 (LC 1), 3=90 (LC 3)
	**J76**	6 /12	3-10-03	7-00-00	24" o.c	**REACTIONS**	(lb/size)	2=291/7-10, (min. 1-08), 3=146/ Mechanical, (min. 1-08), 4=78/ Mechanical, (min. 1-08)
							Max Horiz	2=274 (LC 10)
							Max Uplift	2=-188 (LC 10), 3=-207 (LC 10), 4=-1 (LC 10)
							Max Grav	2=291 (LC 1), 3=146 (LC 1), 4=122 (LC 3)
	**J76P**	6 /12	3-10-03	7-00-00	24" o.c	**REACTIONS**	(lb/size)	2=293/7-10, (min. 1-08), 4=12/ Mechanical, (min. 1-08), 5=211/ Mechanical, (min. 1-08)
							Max Horiz	2=274 (LC 10)
							Max Uplift	2=-195 (LC 7), 4=-20 (LC 12), 5=-222 (LC 7)
							Max Grav	2=293 (LC 1), 4=14 (LC 17), 5=211 (LC 1)
	**JGR07T**	4.24 /12	3-09-10	9-09-05	24" o.c	**REACTIONS**	(lb/size)	2=436/8-00, (min. 1-08), 5=-112/ Mechanical, (min. 1-08), 6=488/ Mechanical, (min. 1-08)
							Max Horiz	2=292 (LC 4)
							Max Uplift	2=-410 (LC 4), 5=-124 (LC 3), 6=-427 (LC 8)
							Max Grav	2=436 (LC 1), 5=100 (LC 9), 6=488 (LC 1)
	**JGR46**	4.24 /12	3-02-02	8-00-02	24" o.c	**REACTIONS**	(lb/size)	2=376/10-07, (min. 1-08), 4=125/ Mechanical, (min. 1-08), 5=292/ Mechanical, (min. 1-08)
							Max Horiz	2=257 (LC 4)
							Max Uplift	2=-383 (LC 4), 4=-231 (LC 9), 5=-251 (LC 8)
							Max Grav	2=376 (LC 1), 4=125 (LC 1), 5=295 (LC 3)
	**JGR47**	4.24 /12	4-08-07	4-00-11	24" o.c	**REACTIONS**	(lb/size)	3=47/ Mechanical, (min. 1-08), 4=37/ Mechanical, (min. 1-08), 5=192/9-05, (min. 1-08)
							Max Horiz	5=207 (LC 5)
							Max Uplift	3=-124 (LC 8), 4=-179 (LC 5), 5=-403 (LC 4)
							Max Grav	3=47 (LC 1), 4=78 (LC 3), 5=192 (LC 1)
	**JGR50**	4.24 /12	7-01-11	4-01-07	24" o.c	**REACTIONS**	(lb/size)	4=53/ Mechanical, (min. 1-08), 5=34/ Mechanical, (min. 1-08), 7=192/10-07, (min. 2-00)
							Max Horiz	7=294 (LC 5)
							Max Uplift	4=-90 (LC 4), 5=-988 (LC 5), 7=-1662 (LC 4)
							Max Grav	4=53 (LC 1), 5=748 (LC 12), 7=1717 (LC 26)
	**JGR56**	4.24 /12	2-09-10	6-11-06	24" o.c	**REACTIONS**	(lb/size)	2=320/7-10, (min. 1-08), 3=141/ Mechanical, (min. 1-08), 4=88/ Mechanical, (min. 1-08)
							Max Horiz	2=230 (LC 4)
							Max Uplift	2=-324 (LC 4), 3=-200 (LC 8), 4=-26 (LC 8)

Reaction Summary

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

SOLD TO Maronda Homes

JOB NAME Livorno 2023 USE FOR RSD OLD

STRUCTURE RH

MODEL Livorno

SHIP TO Livorno A RSD CLG STG RM 3CAR SIDE

TRANSACTION # 24000032

STATUS Quote

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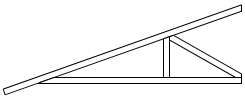
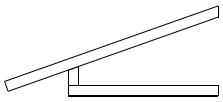
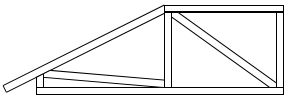
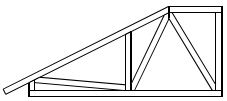
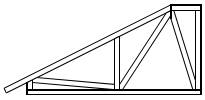
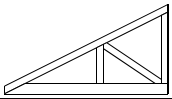
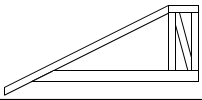
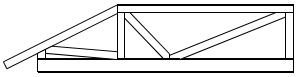
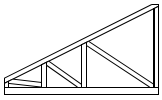
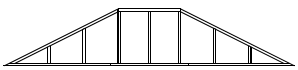
SCHD DELIVERY This field intentionally left blank.

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	160	4.2	6

							Max Grav	2=320 (LC 1), 3=141 (LC 1), 4=124 (LC 3)
	**JGR76**	4.24 /12	3-09-10	9-09-05	24" o.c	**REACTIONS**	(lb/size)	2=475/10-07, (min. 1-08), 4=60/ Mechanical, (min. 1-08), 5=391/ Mechanical, (min. 1-08)
							Max Horiz	2=292 (LC 4)
							Max Uplift	2=-497 (LC 4), 4=-74 (LC 25), 5=-416 (LC 8)
							Max Grav	2=475 (LC 1), 4=60 (LC 21), 5=391 (LC 1)
	**JGRD04**	4.24 /12	2-05-11	4-01-07	24" o.c	**REACTIONS**	(lb/size)	3=59/ Mechanical, (min. 1-08), 4=33/ Mechanical, (min. 1-08), 5=200/10-07, (min. 1-08)
							Max Horiz	5=138 (LC 4)
							Max Uplift	3=-133 (LC 8), 4=-58 (LC 5), 5=-350 (LC 4)
							Max Grav	3=59 (LC 18), 4=67 (LC 3), 5=200 (LC 1)
	**M51**	6 /12	3-06-03	9-08-00	24" o.c	**REACTIONS**	(lb/size)	5=154/ Mechanical, (min. 1-08), 6=282/7-10, (min. 1-08), 7=246/7-10, (min. 1-08)
							Max Horiz	7=197 (LC 12)
							Max Uplift	5=-158 (LC 9), 6=-211 (LC 9), 7=-199 (LC 12)
	**M52**	6 /12	4-06-03	9-08-00	24" o.c	**REACTIONS**	(lb/size)	6=131/ Mechanical, (min. 1-08), 7=331/7-10, (min. 1-08), 8=220/7-10, (min. 1-08)
							Max Horiz	8=268 (LC 12)
							Max Uplift	6=-143 (LC 9), 7=-230 (LC 12), 8=-137 (LC 12)
	**M53**	6 /12	5-00-03	9-08-00	24" o.c	**REACTIONS**	(lb/size)	6=127/ Mechanical, (min. 1-08), 7=339/7-10, (min. 1-08), 8=217/7-10, (min. 1-08)
							Max Horiz	8=303 (LC 12)
							Max Uplift	6=-165 (LC 12), 7=-245 (LC 12), 8=-120 (LC 9)
	**MGR40**	6 /12	3-10-03	7-00-00	24" o.c	**REACTIONS**	(lb/size)	1=866/7-10, (min. 1-08), 4=1374/ Mechanical, (min. 1-08)
							Max Horiz	1=244 (LC 23)
							Max Uplift	1=-537 (LC 8), 4=-990 (LC 8)
	**MGR46**	6 /12	3-02-11	7-00-00	24" o.c	**REACTIONS**	(lb/size)	2=690/7-10, (min. 1-08), 5=820/ Mechanical, (min. 1-08)
							Max Horiz	2=241 (LC 27)
							Max Uplift	2=-626 (LC 8), 5=-941 (LC 8)
	**MGR50**	6 /12	2-06-03	9-08-00	24" o.c	**REACTIONS**	(lb/size)	5=161/ Mechanical, (min. 1-08), 6=289/7-10, (min. 1-08), 8=249/7-10, (min. 1-08)
							Max Horiz	8=128 (LC 23)
							Max Uplift	5=-163 (LC 22), 6=-349 (LC 5), 8=-281 (LC 8)
							Max Grav	5=161 (LC 1), 6=291 (LC 3), 8=249 (LC 1)
	**MGR54**	6 /12	5-07-11	9-08-00	24" o.c	**REACTIONS**	(lb/size)	5=174/ Mechanical, (min. 1-08), 6=1013/7-10, (min. 1-08), 8=416/7-12, (min. 1-08)
							Max Horiz	8=316 (LC 8)
							Max Uplift	5=-193 (LC 27), 6=-1812 (LC 8), 8=-1325 (LC 5)
							Max Grav	5=174 (LC 1), 6=1260 (LC 15), 8=868 (LC 13)
	**PB01**	6 /12	6-05-10	32-11-00	24" o.c	**REACTIONS**	All bearings 32-11-00.	
						(lb) -	Max Horiz	1=-194 (LC 13)
							Max Uplift	All uplift 100 (lb) or less at joint(s) 1, 9, 13, 15 except 10=-337 (LC 13), 11=-272 (LC 13), 14=-216 (LC 9), 17=-271 (LC 12), 18=-341 (LC 12)

Reaction Summary

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

SOLD TO Maronda Homes

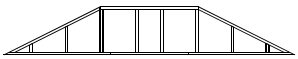
JOB NAME Livorno 2023 USE FOR RSD OLD
STRUCTURE RH
MODEL Livorno
SHIP TO Livorno A RSD CLG STG RM 3CAR SIDE

TRANSACTION # 24000032
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				

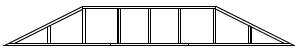
Building Code	Wind Design Method	Exp Cat	Occ Cat	Velocity	TC Dead	BC Dead
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	160	4.2	6

Max Grav All reactions 250 (lb) or less at joint(s) 1, 9 except 10=368 (LC 28), 11=309 (LC 20), 13=365 (LC 2), 14=311 (LC 27), 15=366 (LC 2), 17=306 (LC 19), 18=373 (LC 27)



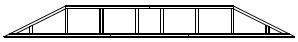
PB02 6 /12 5-05-10 32-11-00 24" o.c

REACTIONS All bearings 32-11-00.
(lb) - Max Horiz 1=-163 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 10, 13 except 11=-241 (LC 13), 12=-300 (LC 13), 15=-192 (LC 9), 16=-192 (LC 8), 18=-109 (LC 9), 19=-299 (LC 12), 20=-243 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 10 except 11=271 (LC 28), 12=318 (LC 20), 13=351 (LC 2), 15=306 (LC 27), 16=305 (LC 28), 18=351 (LC 2), 19=317 (LC 19), 20=276 (LC 27)



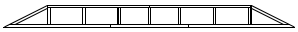
PB03 6 /12 4-05-10 32-11-00 24" o.c

REACTIONS All bearings 32-11-00.
(lb) - Max Horiz 1=132 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9, 11 except 10=-360 (LC 13), 13=-224 (LC 9), 14=-146 (LC 8), 15=-223 (LC 8), 17=-116 (LC 9), 18=-364 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 9 except 10=374 (LC 20), 11=331 (LC 2), 13=359 (LC 27), 14=269 (LC 2), 15=359 (LC 28), 17=329 (LC 2), 18=380 (LC 19)



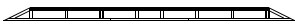
PB04 6 /12 3-05-10 32-11-00 24" o.c

REACTIONS All bearings 32-11-00.
(lb) - Max Horiz 1=-102 (LC 17)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 11 except 12=-271 (LC 13), 13=-107 (LC 8), 14=-238 (LC 9), 16=-163 (LC 8), 17=-163 (LC 9), 19=-238 (LC 8), 20=-123 (LC 9), 21=-274 (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=-71 (LC 13)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9 except 10=-213 (LC 13), 11=-234 (LC 9), 13=-186 (LC 8), 14=-168 (LC 8), 15=-186 (LC 9), 17=-234 (LC 8), 18=-238 (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)

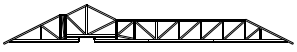


PB06 6 /12 1-05-10 32-11-00 24" o.c

REACTIONS All bearings 32-11-00.
(lb) - Max Horiz 1=-41 (LC 17)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 11 except 12=-171 (LC 13), 13=-228 (LC 9), 14=-205 (LC 13), 16=-170 (LC 13), 17=-170 (LC 8), 19=-205 (LC 12), 20=-228 (LC 8), 21=-186 (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=269 (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=25 (LC 12)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 12, 18 except 13=-113 (LC 8), 14=-226 (LC 9), 15=-203 (LC 8), 17=-178 (LC 9), 19=-178 (LC 8), 21=-203 (LC 9), 22=-226 (LC 8), 23=-119 (LC 9)
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)



T09TB 6 /12 8-00-03 60-00-00 24" o.c

REACTIONS (lb/size) 2=902/7-10, (min. 1-08), 16=688/7-10, (min. 1-08), 24=2631/3-08, (min. 3-02)
Max Horiz 2=-255 (LC 13)
Max Uplift 2=-591 (LC 12), 16=-636 (LC 13), 24=-1581 (LC 13)
Max Grav 2=902 (LC 1), 16=733 (LC 26), 24=2631 (LC 1)

Reaction Summary

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

SOLD TO Maronda Homes

JOB NAME Livorno 2023 USE FOR RSD OLD

STRUCTURE RH

MODEL Livorno

SHIP TO Livorno A RSD CLG STG RM 3CAR SIDE

TRANSACTION # 24000032

STATUS Quote

ORDERED This field intentionally left blank.

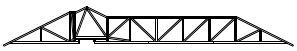
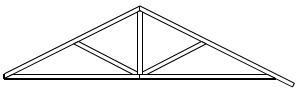
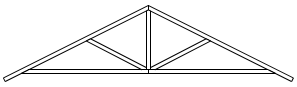
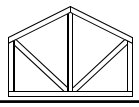
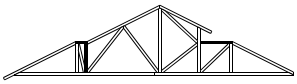
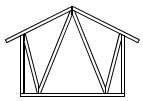
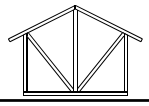
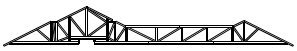
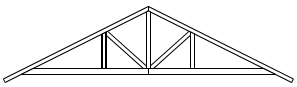
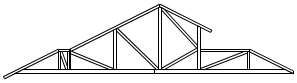
SCHD DELIVERY This field intentionally left blank.

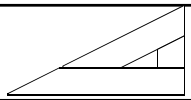
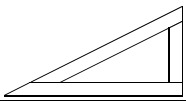
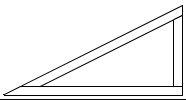
SALES REP MiTek Industries

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				

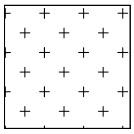
Building Code	Wind Design Method	Exp Cat	Occ Cat	Velocity	TC Dead	BC Dead
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	160	4.2	6

PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	T11TB	6 /12	8-00-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=876/7-10, (min. 1-08), 15=701/7-10, (min. 1-08), 22=2562/3-08, (min. 3-07)
							Max Horiz	2=-255 (LC 13)
							Max Uplift	2=-598 (LC 12), 15=-614 (LC 13), 22=-1650 (LC 13)
							Max Grav	2=979 (LC 2), 15=782 (LC 28), 22=2900 (LC 2)
	T40B	6 /12	5-00-03	18-08-00	24" o.c	REACTIONS	(lb/size)	1=614/ Mechanical, (min. 1-08), 5=675/7-10, (min. 1-08)
							Max Horiz	1=-181 (LC 17)
							Max Uplift	1=-382 (LC 12), 5=-451 (LC 13)
	T42B	6 /12	5-00-03	18-08-00	24" o.c	REACTIONS	(lb/size)	2=673/7-10, (min. 1-08), 6=673/7-10, (min. 1-08)
							Max Horiz	2=-162 (LC 13)
							Max Uplift	2=-450 (LC 12), 6=-450 (LC 13)
	T46B	6 /12	5-00-03	6-11-00	24" o.c	REACTIONS	(lb/size)	4=219/ Mechanical, (min. 1-08), 6=219/ Mechanical, (min. 1-08)
							Max Horiz	6=51 (LC 12)
							Max Uplift	4=-121 (LC 12), 6=-121 (LC 13)
	T50B	6 /12	8-00-03	32-00-00	24" o.c	REACTIONS	(lb/size)	2=1120/7-10, (min. 1-08), 11=1068/3-08, (min. 1-08)
							Max Horiz	2=409 (LC 12)
							Max Uplift	2=-728 (LC 12), 11=-732 (LC 13)
							Max Grav	2=1244 (LC 2), 11=1195 (LC 2)
	T52B	6 /12	8-00-03	9-03-00	24" o.c	REACTIONS	(lb/size)	2=130/ Mechanical, (min. 1-08), 7=393/7-10, (min. 1-08), 8=199/7-10, (min. 1-08)
							Max Horiz	2=-430 (LC 10)
							Max Uplift	2=-192 (LC 13), 7=-361 (LC 8), 8=-157 (LC 9)
							Max Grav	2=191 (LC 19), 7=422 (LC 2), 8=304 (LC 2)
	T53B	6 /12	8-00-03	9-03-00	24" o.c	REACTIONS	(lb/size)	6=361/7-02, (min. 1-08), 8=361/ Mechanical, (min. 1-08)
							Max Horiz	8=-430 (LC 10)
							Max Uplift	6=-376 (LC 9), 8=-376 (LC 8)
	TGR07 TB	6 /12	8-00-03	60-00-00	24" o.c	REACTIONS	(lb/size)	2=830/7-10, (min. 1-08), 20=1185/7-10, (min. 1-08), 27=4114/3-08, (min. 2-07)
							Max Horiz	2=346 (LC 8)
							Max Uplift	2=-699 (LC 27), 20=-1072 (LC 9), 27=-3241 (LC 9)
							Max Grav	2=830 (LC 1), 20=1216 (LC 22), 27=4114 (LC 1)
	TGR45 B	6 /12	5-00-03	18-08-00	24" o.c	REACTIONS	(lb/size)	2=1472/7-10, (min. 1-12), 6=1472/7-10, (min. 1-12)
							Max Horiz	2=-162 (LC 13)
							Max Uplift	2=-1403 (LC 8), 6=-1403 (LC 9)
	TGR51 B	6 /12	8-00-03	32-00-00	24" o.c	REACTIONS	All bearings 7-10. except 11=3-08	
						(lb) -	Max Horiz	2=526 (LC 8)
							Max Uplift	All uplift 100 (lb) or less at joint(s) except 2=-825 (LC 8), 11=-488 (LC 9), 14=-1095 (LC 8), 17=-911 (LC 8)
							Max Grav	All reactions 250 (lb) or less at joint(s) except 2=881 (LC 21), 11=553 (LC 22), 14=1224 (LC 1), 17=970 (LC 1)

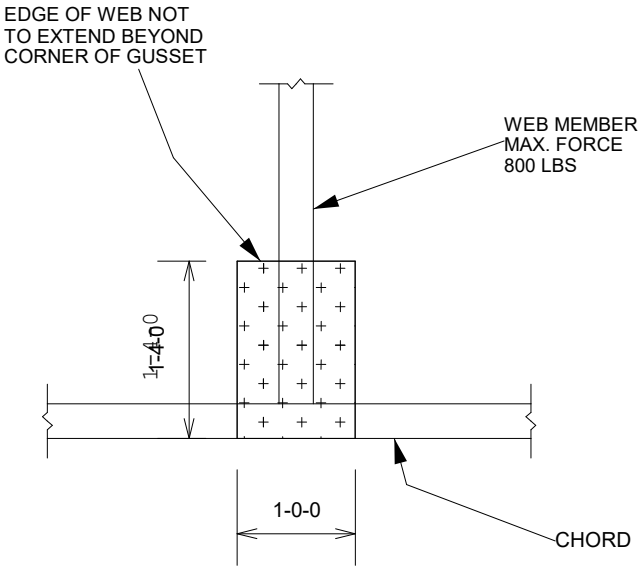
PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	**V01**	6 /12	11-09	1-11-01	24" o.c	**REACTIONS**	(lb/size)	1=57/1-10-08, (min. 1-08), 3=57/1-10-08, (min. 1-08)
							Max Horiz	1=51 (LC 12)
							Max Uplift	1=-33 (LC 12), 3=-55 (LC 12)
	**V02**	6 /12	1-11-09	3-11-01	24" o.c	**REACTIONS**	(lb/size)	1=123/3-10-08, (min. 1-08), 3=123/3-10-08, (min. 1-08)
							Max Horiz	1=123 (LC 12)
							Max Uplift	1=-66 (LC 12), 3=-123 (LC 12)
	**V03**	6 /12	2-11-09	5-11-01	24" o.c	**REACTIONS**	(lb/size)	1=189/5-10-08, (min. 1-08), 3=189/5-10-08, (min. 1-08)
							Max Horiz	1=194 (LC 12)
							Max Uplift	1=-99 (LC 12), 3=-191 (LC 12)

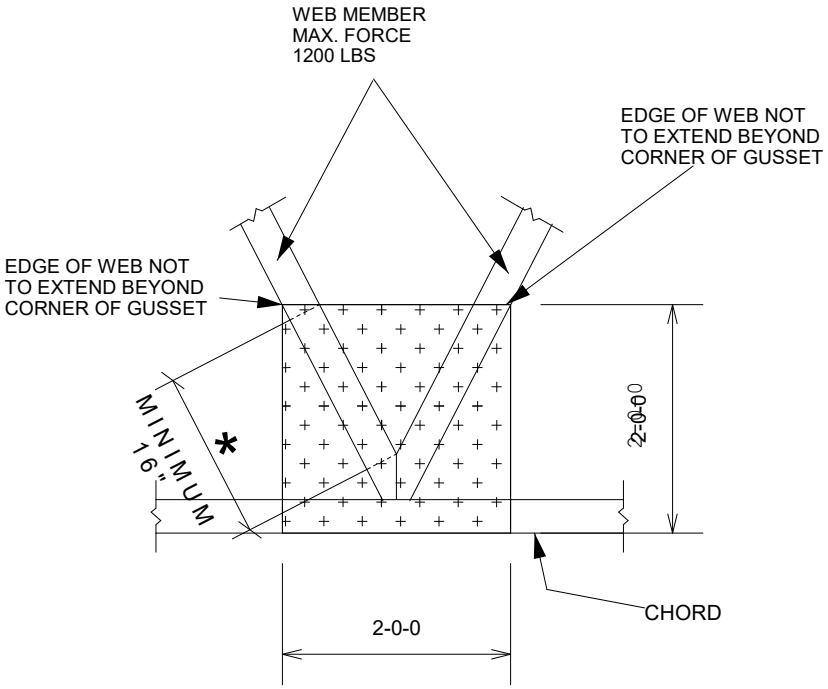
MiTek USA, Inc.

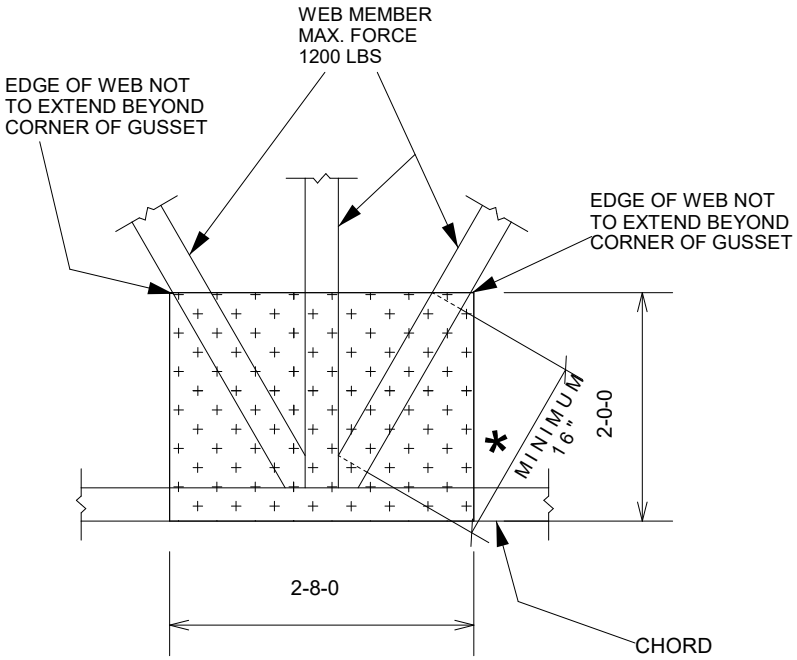
1. ALL MATERIAL IS 2x4
2. THIS DETAIL IS APPLICABLE FOR DESIGNS WITH DOLS. OF 1.15 OR 1.25 AND LUMBER SPECIES SP, DF, HF, OR SPF.
3. DETAIL SHALL BE USED FOR CONDITIONS OF A MISSING OR LOOSE CONNECTOR PLATE ONLY.
4. CHORD MATERIAL IS CONTINUOUS THROUGH JOINT, THERE IS NO MAXIMUM CHORD FORCE AND NO SPLICE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

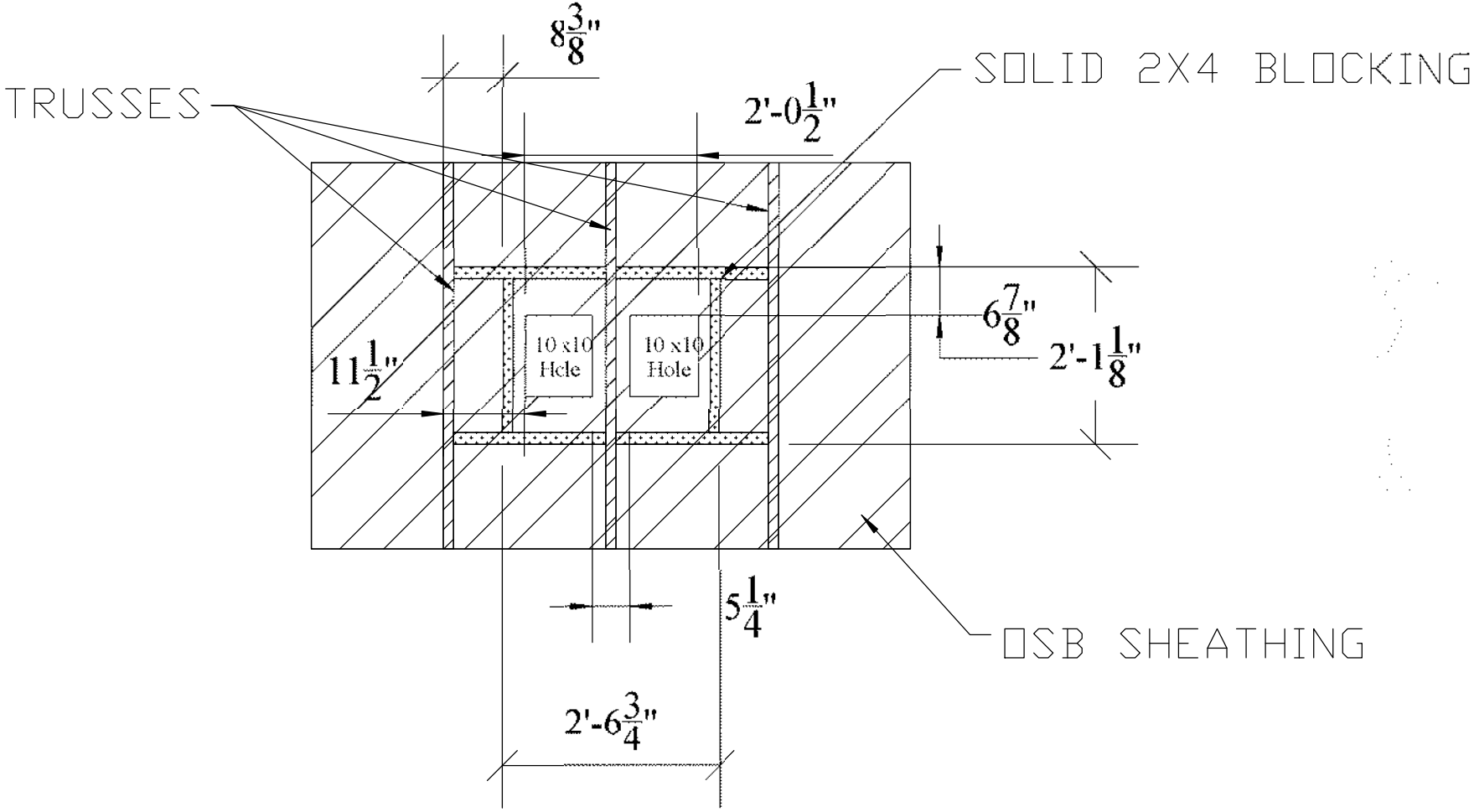






* MEASUREMENT TAKEN AT POINTS WHERE WEB ACHIEVES FULL MEMBER DEPTH (AS MEASURED PERPENDICULAR TO WEB'S SAW-MILLED EDGE)

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

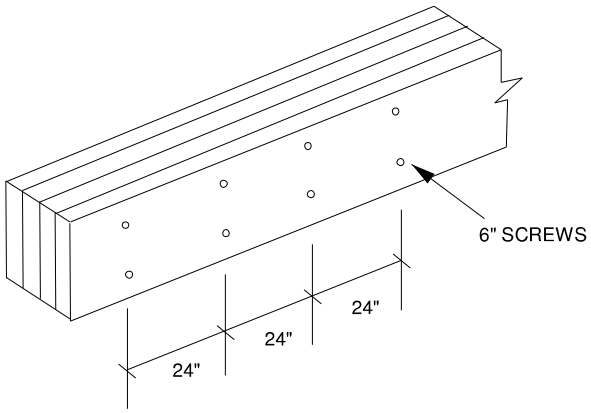
SHEET:

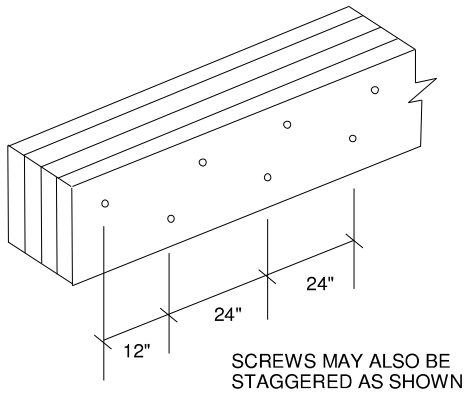
OR1

FLORIDA RESIDENTIAL

MiTek USA, Inc.

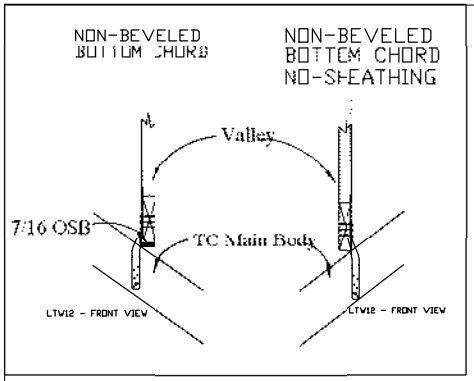
Four ply girder trusses are to be connected together using the nailing or screw schedule provided by Mitek 20/20 software. In addition to the nailing typically specified, 1/2" dia. bolts are sometimes specified throughout certain chords as indicated on the truss design drawing. In lieu of these bolts,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



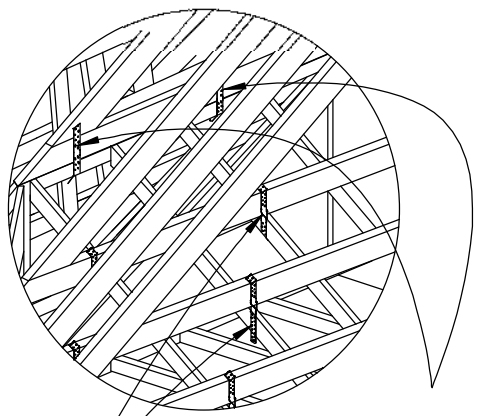
VALLEY CONNECTIONS

(ELEMENTS NOT SHOWN FOR CLARITY)

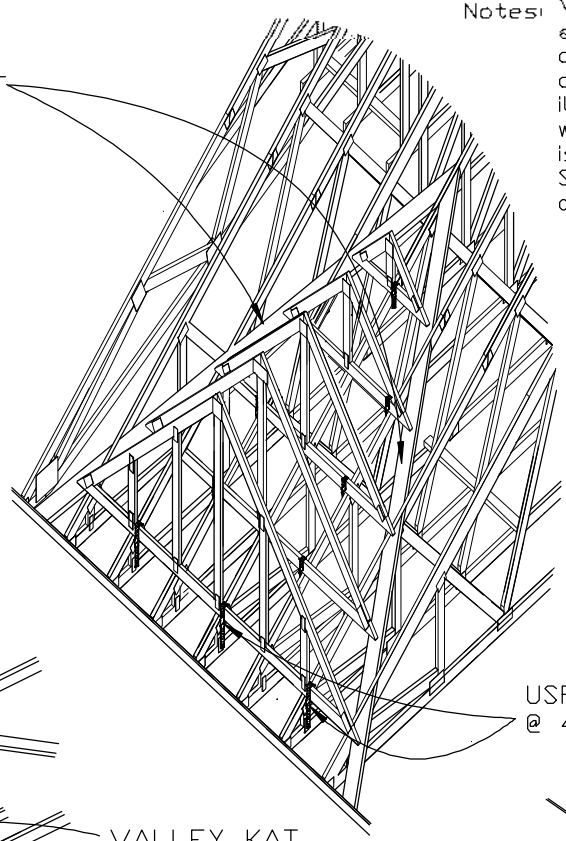
Notes:

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.

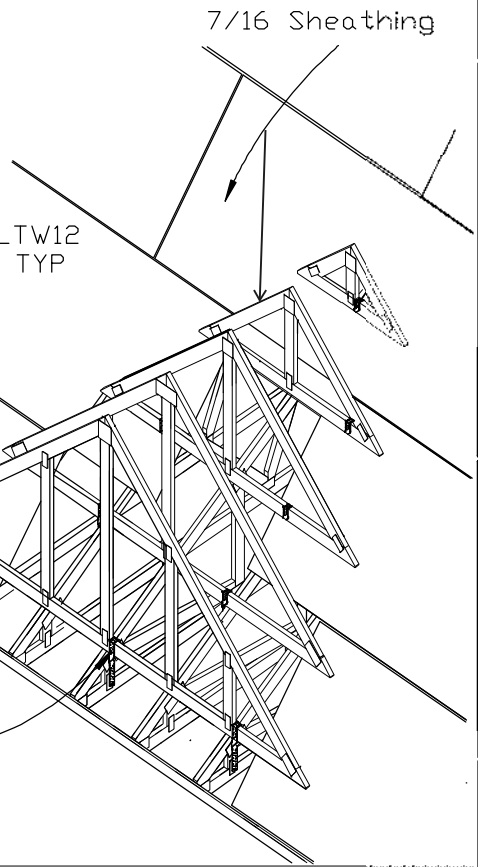
Main body trusses 2'OC perpendicular to valley is considered to be continuous bearing. If sheathing exists under valleys, Sheathing is not required to be continuous See NON BEVELED BOTTOM CHORD Detail

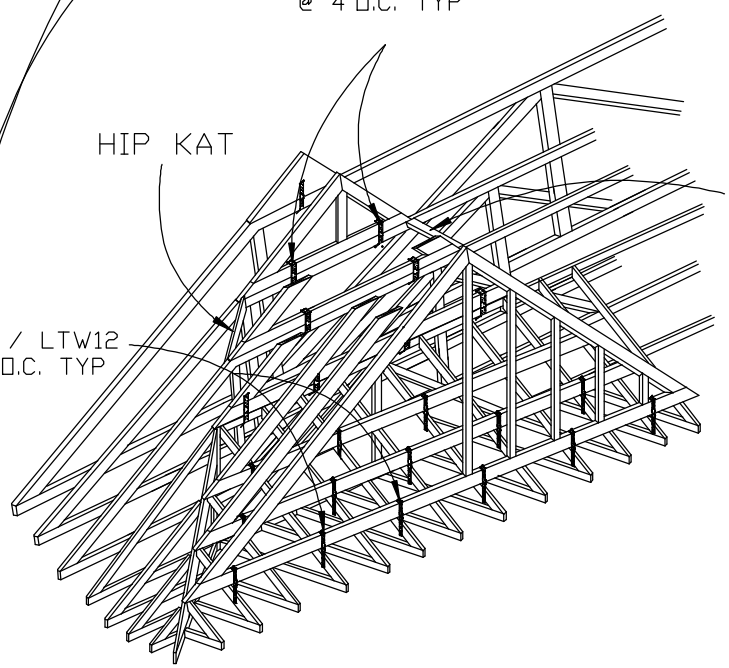


USP / MSTA12
@ 4'O.C. TYP



USP / LTW12
@ 4'O.C. TYP





USP / LTW12
@ 4'O.C. TYP

REVISIONS

Maronda Homes

TRUSS DETAILS

VALLEY CONNECTIONS

DRAWN BY: J.FESSIA

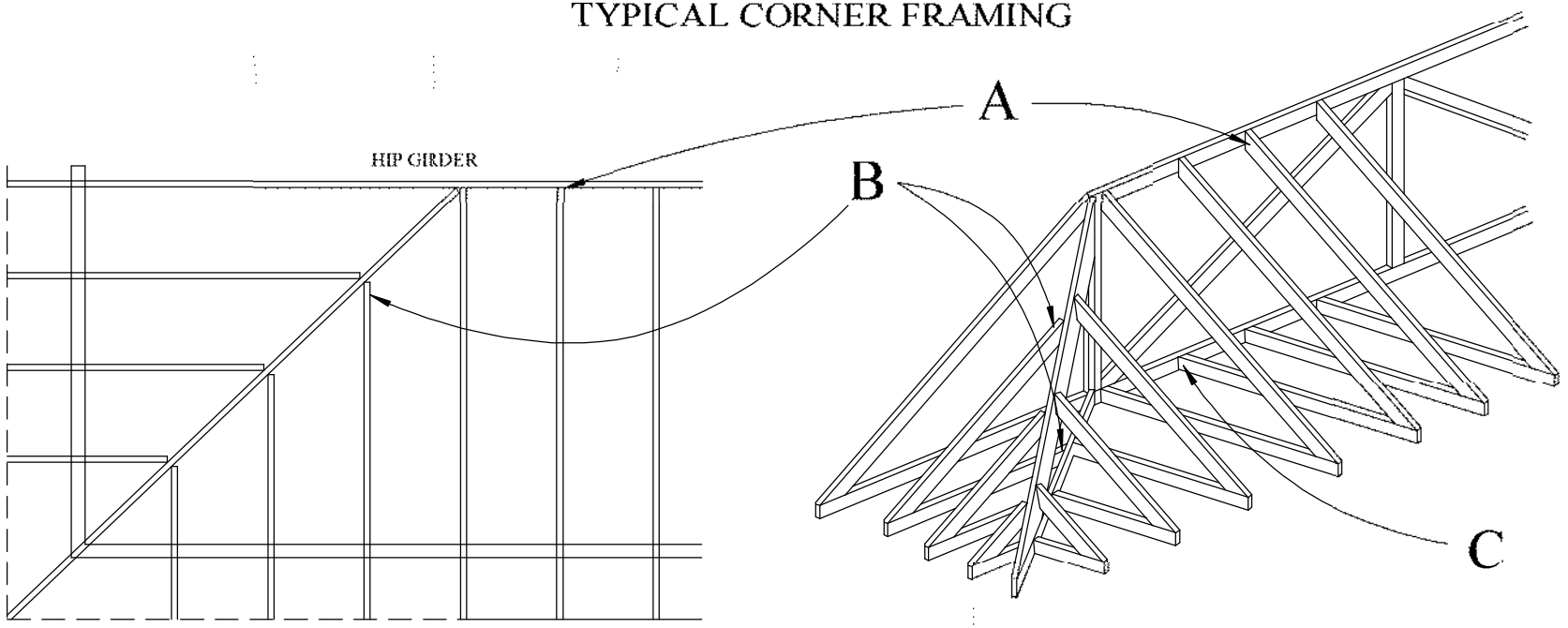
RELEASE DATE: 12/7/09

SHEET:

VC1

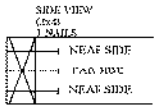
TOE-NAILED CONNECTIONS AT BEARING LOCATIONS

TYPICAL CORNER FRAMING

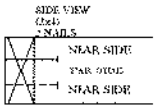


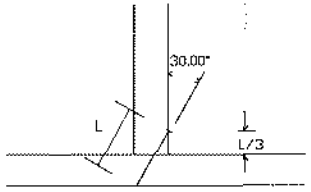
90 DEGREE ANGLE/SQUARE CUT

Connection at A



Connection at C

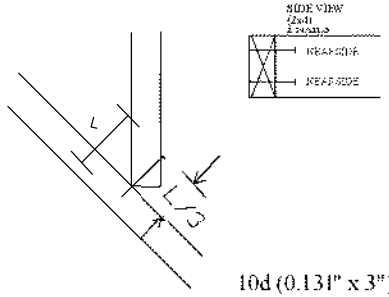




10d (0.131" x 3") nails

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

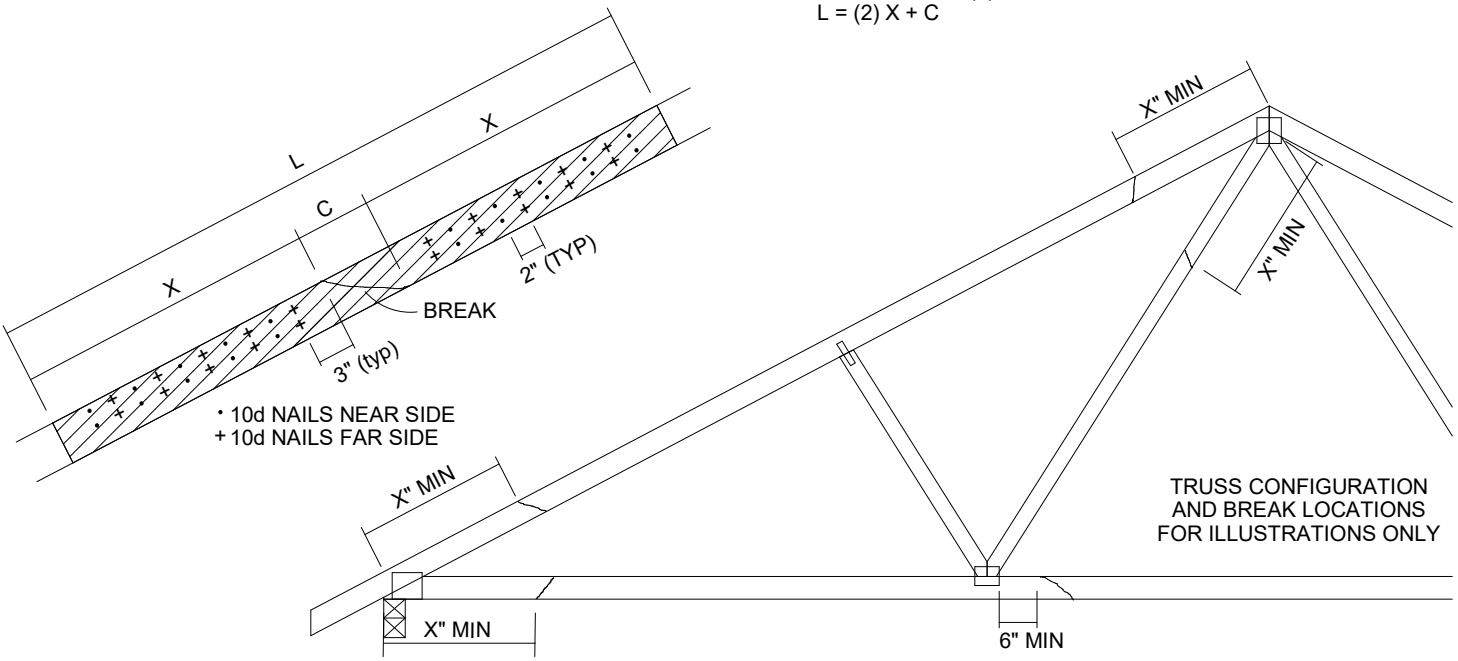
MiTek® ENGINEERED BY TRENCO A MiTek Affiliate

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.

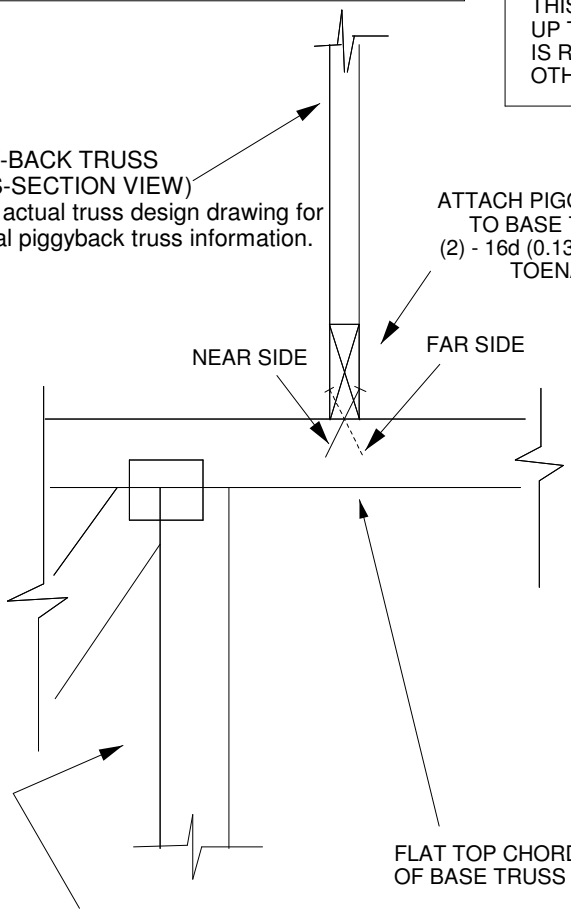
APRIL 12, 2019	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL (PERPENDICULAR)	MII-PIGGY-PERP.

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	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H09T	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:01 — Page: 1

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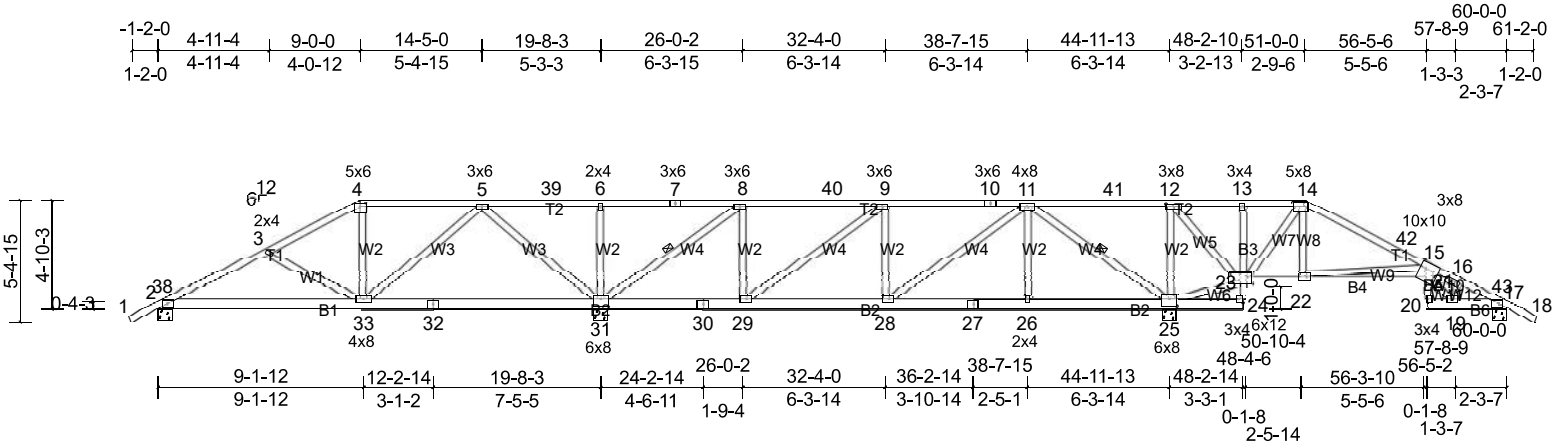

Plate Offsets (X, Y): [4:0-3-0,0-2-0], [12:0-3-8,0-1-8], [14:0-6-0,0-2-8], [15:0-1-12,Edge], [23:0-3-4,0-3-12], [24:Edge,0-2-0], [25:0-4-0,0-3-12], [31:0-4-0,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.07	33-35	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.11	31-33	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.03	17	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 385 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3,B5:2x4 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.
WEBS	1 Row at midpt 11-25, 8-31

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

REACTIONS All bearings 0-7-10.

(lb) - Max Horiz 2=158 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-441 (LC 12), 17=-266 (LC 13), 25=-1189 (LC 13), 31=-1254 (LC 9)

Max Grav All reactions 250 (lb) or less at joint(s) except 2=548 (LC 1), 17=293 (LC 1), 25=1637 (LC 26), 31=1662 (LC 25)

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

TOP CHORD 2-38=-752/502, 2-38=-736/505, 2-3=-743/630, 3-4=-527/417, 4-5=-460/433, 5-39=-443/655, 6-39=-443/655, 6-7=-443/655, 7-8=-443/655, 8-40=-233/359, 9-40=-233/359, 9-10=-542/589, 10-11=-542/589, 11-41=-417/831, 12-41=-417/831, 12-13=-235/523, 13-14=-234/521, 15-16=-628/431, 16-17=-337/278, 17-43=-324/222, 17-43=-332/219

BOT CHORD 2-33=-585/648, 32-33=-64/255, 31-32=-64/255, 28-29=-466/542, 27-28=-303/265, 26-27=-303/265, 25-26=-303/265, 22-23=-206/321, 21-22=-427/666, 15-21=-21/299, 17-19=-146/296

WEBS 3-33=-269/397, 23-25=-809/751, 14-23=-617/434, 14-22=-43/292, 15-22=-801/756, 12-25=-584/535, 12-23=-267/452, 16-21=-131/271, 19-21=-80/272, 6-31=-268/363, 5-33=-257/528, 5-31=-901/791, 11-25=-1151/833, 8-29=-126/361, 8-31=-1073/920, 9-29=-393/344, 11-28=-278/443

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-5, Zone1 4-9-5 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 ;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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 441 lb uplift at joint 2, 266 lb uplift at joint 17, 1189 lb uplift at joint 25 and 1253 lb uplift at joint 31.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H11T	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:01 — Page: 1

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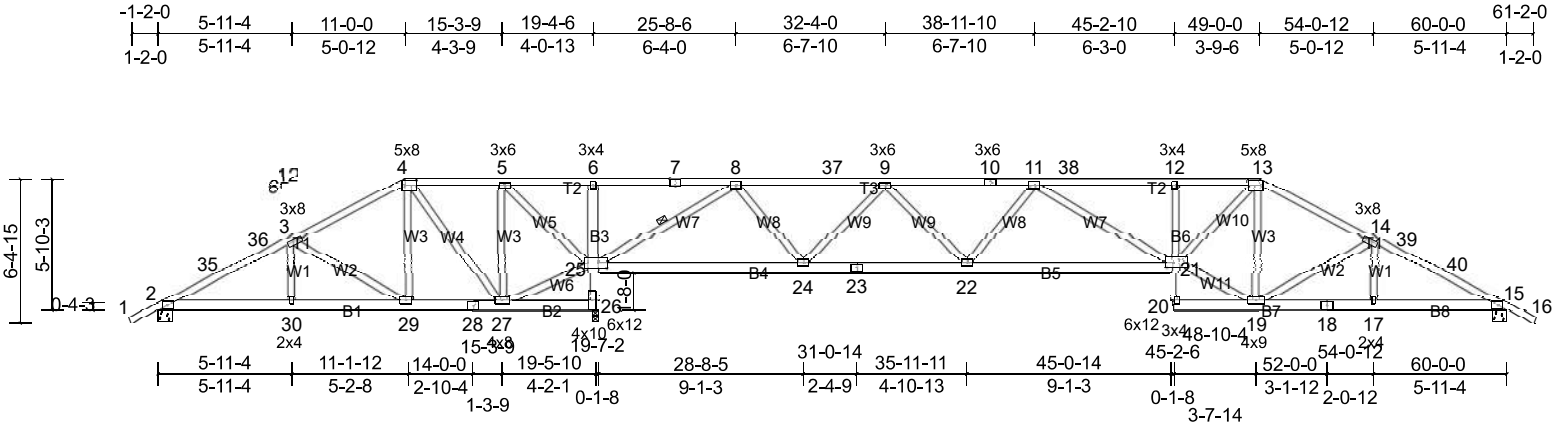

Plate Offsets (X, Y): [4:0-6-0,0-2-8], [7:0-3-0,Edge], [13:0-6-0,0-2-8], [21:0-3-4,0-2-12], [25:0-4-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.38	21-22	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.43	21-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.09	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.2 *Except* B6:2x4 SP No.2
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-5-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-9-9 oc bracing.
WEBS	1 Row at midpt 8-25

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

REACTIONS (lb/size) 2=248/0-7-10, (min. 0-1-8), 15=1184/0-7-10, (min. 0-1-8), 26=2641/0-3-8, (min. 0-3-2)
Max Horiz 2=-188 (LC 13)
Max Uplift 2=-351 (LC 12), 15=-924 (LC 13), 26=-1788 (LC 9)
Max Grav 2=337 (LC 19), 15=1190 (LC 26), 26=2641 (LC 1)

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

TOP CHORD 2-35=-455/377, 35-36=-440/380, 3-36=-423/390, 3-4=-377/545, 4-5=-517/902, 5-6=-1355/2193, 6-7=-1358/2201, 7-8=-1358/2201, 8-37=-814/707, 9-37=-814/707, 9-10=-2147/1609, 10-11=-2147/1609, 11-38=-2532/1979, 12-38=-2532/1979, 12-13=-2505/1964, 13-14=-1793/1435, 14-39=-2122/1672, 39-40=-2171/1661, 15-40=-2216/1659

BOT CHORD 2-30=-379/539, 29-30=-379/538, 28-29=-469/653, 27-28=-469/653, 25-26=-2615/1813, 6-25=-255/335, 24-25=-164/333, 23-24=-1100/1628, 22-23=-1100/1628, 21-22=-1633/2433, 12-21=-238/331, 18-19=-1337/1942, 17-18=-1337/1942, 15-17=-1337/1942

WEBS 3-29=-490/479, 4-29=-165/352, 25-27=-808/882, 5-25=-1819/1191, 8-25=-2532/1889, 8-24=-778/1286, 9-24=-1186/1002, 9-22=-473/759, 11-22=-471/563, 19-21=-931/1645, 13-21=-956/1370, 13-19=-374/354, 14-19=-481/476, 5-27=-607/1058, 4-27=-848/506, 14-17=0/250, 3-30=0/263

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 11-0-0, Zone2 11-0-0 to 19-4-6, Zone1 19-4-6 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1788 lb uplift at joint 26, 351 lb uplift at joint 2 and 924 lb uplift at joint 15.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H13TA	Roof Special	1	1	Job Reference (optional)

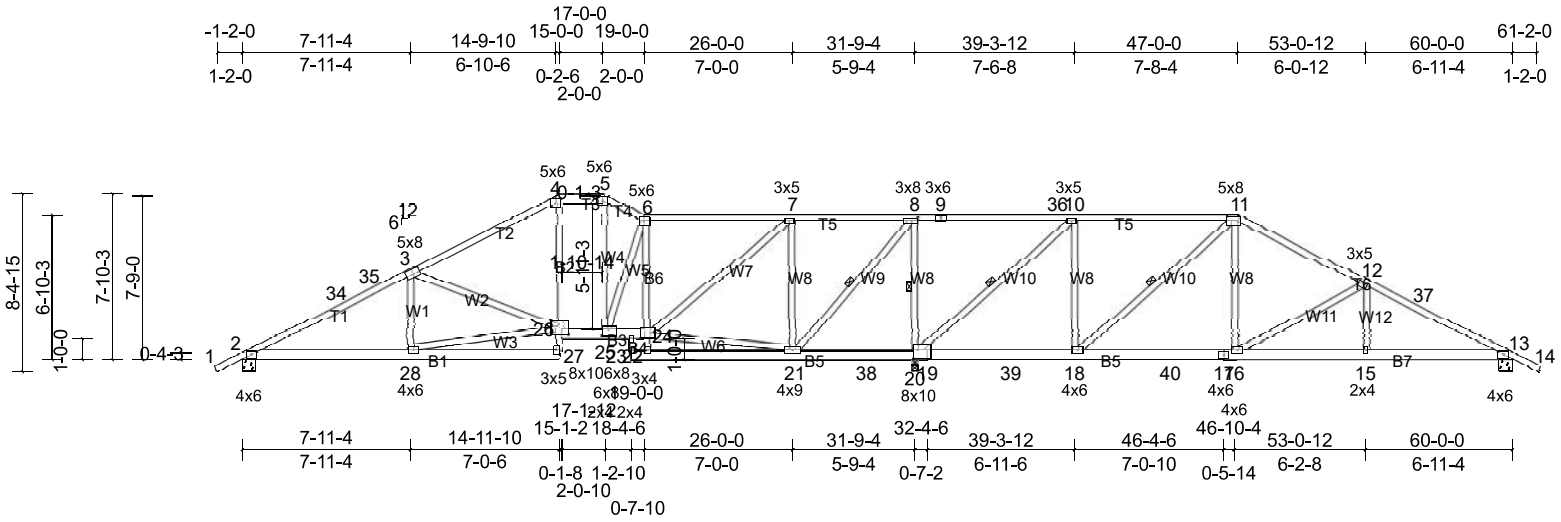

Plate Offsets (X, Y): [3:0-4-0,0-3-0], [4:0-3-0,0-2-7], [5:0-3-0,0-2-7], [8:0-3-8,0-1-8], [11:0-6-0,0-2-8], [19:0-2-8,0-4-12], [24:0-5-8,0-3-0], [25:0-3-8,0-4-0], [26:0-7-8,0-4-12], [27:Edge,0-2-0]

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	0.75	Vert(LL)	0.17	28-31	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.18	28-31	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 419 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T3:2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B2,B4,B6:2x4 SP No.2
WEBS 2x4 SP No.2

REACTIONS (lb/size) 2=890/0-7-10, (min. 0-1-8), 13=739/0-7-10, (min. 0-1-8), 20=2459/0-3-8, (min. 0-3-5)
Max Horiz 2=-249 (LC 13)
Max Uplift 2=-610 (LC 12), 13=-620 (LC 13), 20=-1654 (LC 13)
Max Grav 2=967 (LC 2), 13=844 (LC 28), 20=2833 (LC 2)

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
10-0-0 oc bracing: 22-24
WEBS 1 Row at midpt 11-18, 8-21, 8-20, 10-20

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-34=-1588/1015, 34-35=-1522/1018, 3-35=-1479/1030, 3-4=-1034/742, 4-5=-853/756, 5-6=-953/809, 6-7=-762/651, 8-9=-505/1184, 9-36=-505/1184, 10-36=-505/1184, 10-11=-151/363, 11-12=-805/665, 12-37=-1299/955, 13-37=-1360/943
BOT CHORD 2-28=-849/1382, 27-28=-185/301, 4-26=-69/296, 25-26=-298/852, 24-25=-319/766, 21-38=-1184/997, 20-38=-1184/997, 19-20=-84/289, 19-39=-84/289, 18-39=-84/289, 18-40=-186/681, 17-40=-186/681, 16-17=-186/681, 15-16=-677/1178, 13-15=-677/1178, 6-24=-814/706
WEBS 26-28=-679/1095, 3-26=-559/578, 6-25=-217/372, 11-16=-197/552, 12-16=-592/587, 12-15=0/294, 11-18=-723/493, 7-21=-961/737, 7-24=-662/1128, 21-24=-272/349, 8-21=-922/1600, 8-20=-1446/1017, 10-18=-214/775, 10-20=-1679/1065, 5-25=-234/283

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 14-9-10, Zone3 14-9-10 to 19-1-12, Zone1 19-1-12 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 610 lb uplift at joint 2, 620 lb uplift at joint 13 and 1654 lb uplift at joint 20.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H13TB	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.81 S Aug 19 2024 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:03 — Page: 1

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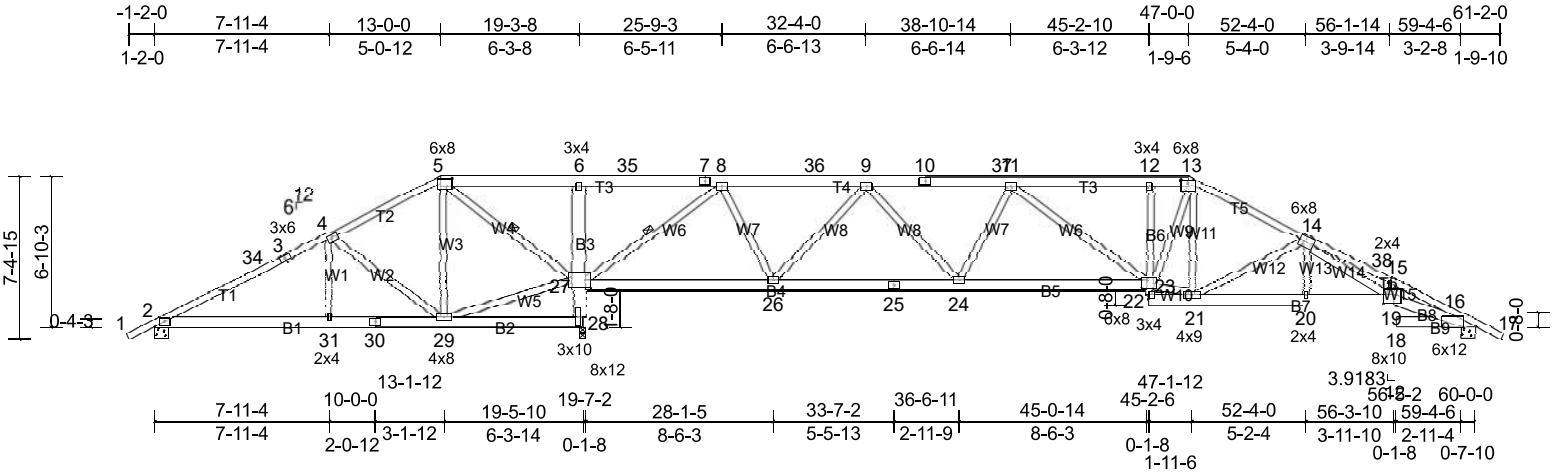

Plate Offsets (X, Y): [5:0-2-12,0-4-4], [13:0-4-0,0-1-15], [14:0-2-4,0-3-4], [16:0-10-3,Edge], [19:0-5-8,0-4-12], [23:0-2-8,0-4-4], [27:0-2-12,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	0.31	12-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.34	23-24	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.10	16	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 433 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2 *Except* T3,T4:2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2:2x6 SP No.1D, B3:2x8 SP No.2, B6:2x4 SP No.2
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-11-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-3-3 oc bracing.
WEBS	1 Row at midpt 5-27, 8-27

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

REACTIONS (lb/size) 2=181/0-7-10, (min. 0-1-8), 16=1217/0-7-10, (min. 0-1-8), 28=2711/0-3-8, (min. 0-2-12)
Max Horiz 2=-221 (LC 17)
Max Uplift 2=-321 (LC 12), 16=-905 (LC 13), 28=-1695 (LC 9)
Max Grav 2=303 (LC 19), 16=1228 (LC 26), 28=2711 (LC 1)

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

TOP CHORD 2-34=-565/561, 3-34=-465/550, 3-4=-456/570, 4-5=-441/799, 5-6=-1001/1971, 6-35=-1047/2019, 7-35=-1047/2019, 7-8=-1047/2019, 8-36=-352/485, 9-36=-352/485, 9-10=-1594/1272, 10-37=-1594/1272, 11-37=-1594/1272, 11-12=-1830/1500, 12-13=-1817/1496, 13-14=-1773/1396, 14-38=-3203/2304, 15-38=-3209/2292, 15-16=-3249/2183

BOT CHORD 2-31=-494/632, 30-31=-487/626, 29-30=-487/626, 27-28=-2649/1727, 6-27=-335/450, 26-27=-322/449, 25-26=-796/1110, 24-25=-796/1110, 23-24=-1143/1771, 12-23=-250/326, 20-21=-1364/2130, 19-20=-1364/2133, 16-19=-1831/2906

WEBS 4-31=-18/322, 4-29=-563/564, 5-29=-312/554, 27-29=-532/661, 5-27=-1712/1027, 8-27=-2213/1564, 8-26=-664/1145, 9-26=-1152/954, 9-24=-448/742, 11-24=-409/490, 11-23=-44/263, 14-21=-709/612, 21-23=-692/1477, 13-23=-633/805, 14-20=-19/287, 14-19=-583/982

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 13-0-0, Zone2 13-0-0 to 21-5-13, Zone1 21-5-13 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.
8) Bearing at joint(s) 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 1695 lb uplift at joint 28, 905 lb uplift at joint 16 and 321 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H15T	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:04 — Page: 1

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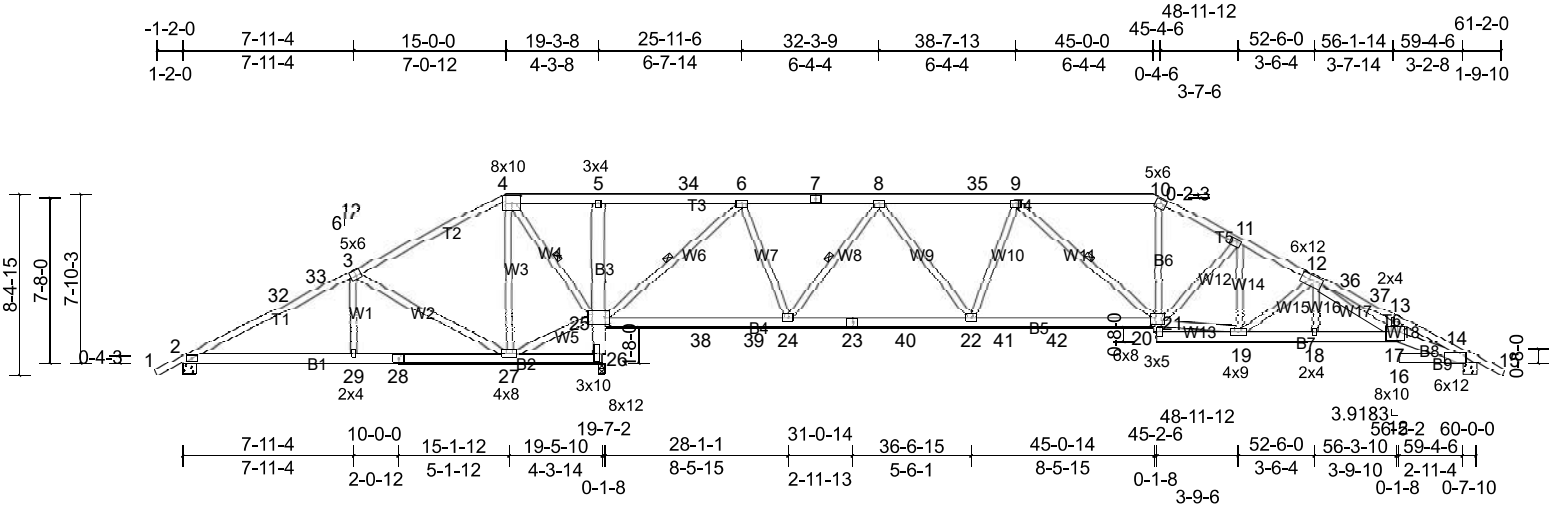

Plate Offsets (X, Y): [3:0-2-12,0-3-4], [4:0-4-12,0-4-8], [12:0-4-0,0-3-0], [14:0-9-15,Edge], [17:0-5-8,0-5-0], [21:0-2-4,0-4-0], [25:0-2-12,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	0.25	21-22	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.39	21-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.10	14	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 441 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2 *Except* T3,T4:2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2:2x6 SP No.1D, B3:2x8 SP No.2, B6:2x4 SP No.2
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-7-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-11-8 oc bracing.
WEBS	1 Row at midpt 4-25, 6-25, 8-24, 9-21

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

REACTIONS (lb/size) 2=155/0-7-10, (min. 0-1-8), 14=1204/0-7-10, (min. 0-1-8), 26=2749/0-3-8, (min. 0-3-3)
Max Horiz 2=254 (LC 12)
Max Uplift 2=-324 (LC 12), 14=-733 (LC 13), 26=-1595 (LC 9)
Max Grav 2=278 (LC 19), 14=1373 (LC 28), 26=3157 (LC 2)

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

TOP CHORD 2-32=-560/625, 32-33=-468/617, 3-33=-459/637, 3-4=-447/1094, 4-5=-753/2004, 5-34=-769/2031, 6-34=-769/2031, 6-7=-300/468, 7-8=-300/468, 8-35=-1513/1088, 9-35=-1513/1088, 9-10=-1721/1084, 10-11=-1929/1160, 11-12=-2159/1216, 12-36=-3625/1842, 36-37=-3649/1833, 13-37=-3658/1831, 13-14=-3696/1725

BOT CHORD 2-29=-553/659, 28-29=-550/652, 27-28=-550/652, 25-26=-3104/1607, 5-25=-280/377, 25-38=-351/470, 38-39=-351/470, 24-39=-351/470, 23-24=-617/990, 23-40=-617/990, 22-40=-617/990, 22-41=-867/1631, 41-42=-867/1631, 21-42=-867/1631, 10-21=-267/665, 18-19=-1081/2387, 17-18=-1084/2410, 14-17=-1452/3325

WEBS 3-29=0/360, 3-27=-705/670, 4-27=-406/807, 25-27=-778/675, 4-25=-1826/1017, 6-25=-2348/1385, 6-24=-528/1384, 8-24=-1178/759, 8-22=-344/889, 9-22=-413/403, 9-21=-150/322, 12-19=-653/443, 19-21=-668/1754, 11-21=-342/385, 12-18=-47/305, 12-17=-528/1050

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 15-0-0, Zone2 15-0-0 to 23-5-13, Zone1 23-5-13 to 45-4-6, Zone2 45-4-6 to 53-10-3, Zone1 53-10-3 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) Bearing at joint(s) 14 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 1595 lb uplift at joint 26, 733 lb uplift at joint 14 and 324 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H15TA	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:04 — Page: 1

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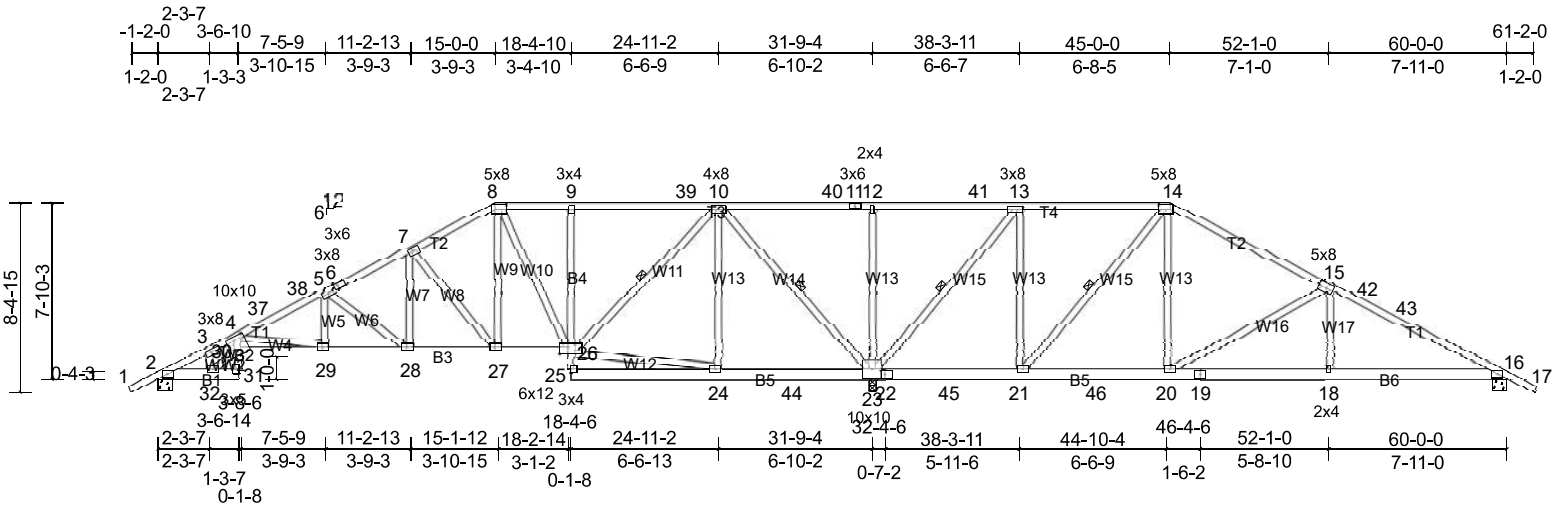

Plate Offsets (X, Y): [4:0-1-8,0-2-0], [6:0-2-3,0-1-8], [8:0-6-0,0-2-8], [13:0-3-8,0-1-8], [14:0-6-0,0-2-8], [15:0-4-0,0-3-0], [22:0-2-2,0-2-0], [26:0-4-8,0-3-12], [31:Edge,0-2-0]

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	0.76	Vert(LL)	0.24	29-30	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.24	29-30	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.10	16	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 429 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2,B4:2x4 SP No.2, B5:2x6 SP No.1D
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-0-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-8-9 oc bracing.
WEBS	1 Row at midpt 14-21, 10-23, 10-26, 13-23

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

REACTIONS (lb/size) 2=746/0-7-10, (min. 0-1-8), 16=584/0-7-10, (min. 0-1-8), 23=2744/0-3-8, (min. 0-3-3)
Max Horiz 2=250 (LC 12)
Max Uplift 2=-589 (LC 12), 16=-619 (LC 13), 23=-1621 (LC 9)
Max Grav 2=830 (LC 27), 16=716 (LC 28), 23=3156 (LC 2)

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

TOP CHORD 2-3=-1475/966, 3-4=-3193/2346, 4-37=-1648/1165, 37-38=-1634/1166, 5-38=-1595/1175, 5-6=-1066/809, 6-7=-1056/822, 7-8=-636/586, 8-9=-332/440, 9-39=-334/445, 10-39=-334/445, 10-40=-905/1668, 11-40=-905/1668, 11-12=-905/1668, 12-41=-905/1668, 13-41=-905/1668, 13-14=-480/727, 14-15=-418/575, 15-42=-915/918, 42-43=-958/906, 16-43=-1024/903

BOT CHORD 2-32=-1016/1310, 31-32=-297/370, 4-30=-641/961, 29-30=-2306/2951, 28-29=-1072/1464, 27-28=-607/997, 26-27=-264/706, 9-26=-249/339, 24-44=-519/574, 23-44=-519/574, 22-23=-616/803, 22-45=-616/803, 21-45=-616/803, 21-46=-91/480, 20-46=-91/480, 19-20=-625/864, 18-19=-625/864, 16-18=-624/871

WEBS 8-27=-360/578, 8-26=-546/315, 24-26=-490/508, 14-20=-224/597, 15-20=-693/668, 15-18=0/352, 3-32=-916/754, 3-30=-1178/1512, 30-32=-937/1227, 4-29=-1512/1255, 7-27=-592/540, 5-29=-222/470, 5-28=-667/572, 7-28=-268/499, 14-21=-1025/574, 12-23=-306/412, 10-23=-1796/1232, 10-24=0/376, 10-26=-730/1032, 13-21=-343/1018, 13-23=-1702/952

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 15-0-0, Zone2 15-0-0 to 23-5-13, Zone1 23-5-13 to 45-0-0, Zone2 45-0-0 to 53-5-13, Zone1 53-5-13 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 589 lb uplift at joint 2, 619 lb uplift at joint 16 and 1621 lb uplift at joint 23.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H17T	Hip	6	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:05 — Page: 1

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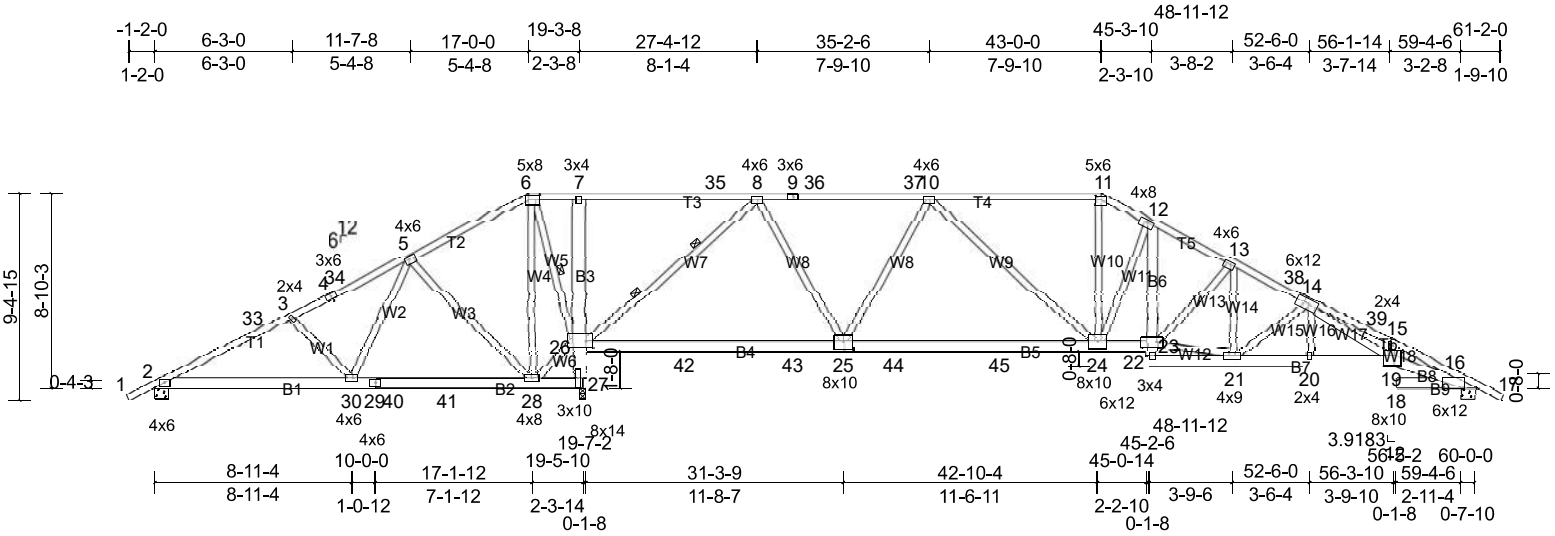

Plate Offsets (X, Y): [6:0-6-0,0-2-8], [11:0-3-0,0-2-0], [14:0-4-0,0-3-0], [16:0-9-15,Edge], [19:0-5-8,0-5-4], [23:0-8-8,0-3-0], [25:0-5-0,0-4-8], [26:0-3-12,0-3-8]

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	0.76	Vert(LL)	0.30	23-24	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.42	24-25	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.09	16	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 442 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2,B8:2x6 SP No.1D, B3:2x8 SP No.2
WEBS	2x4 SP No.2

REACTIONS (lb/size) 2=203/0-7-10, (min. 0-1-8), 16=1228/0-7-10, (min. 0-1-8), 27=2679/0-3-8, (min. 0-3-3)
Max Horiz 2=285 (LC 12)
Max Uplift 2=-310 (LC 12), 16=-910 (LC 13), 27=-1505 (LC 12)
Max Grav 2=312 (LC 19), 16=1404 (LC 28), 27=3138 (LC 2)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-7-2 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-26
WEBS	2 Rows at 1/3 pts 8-26

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

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

TOP CHORD 2-33=-442/520, 3-33=-363/542, 3-4=-385/569, 4-34=-376/581, 5-34=-366/600, 5-6=-351/1138, 6-7=-560/1535, 7-35=-577/1553, 8-35=-577/1553, 8-9=-903/717, 9-36=-903/717, 36-37=-903/717, 10-37=-903/717, 10-11=-1588/1195, 11-12=-1767/1269, 12-13=-1993/1408, 13-38=-2222/1527, 14-38=-2236/1516, 14-39=-3722/2338, 15-39=-3731/2327, 15-16=-3770/2188

BOT CHORD 2-30=-468/581, 29-30=-706/699, 29-40=-706/699, 40-41=-706/699, 28-41=-706/699, 27-28=-347/98, 26-27=-3157/1509, 7-26=-304/394, 26-42=-284/330, 42-43=-284/330, 25-43=-284/330, 25-44=-624/1255, 44-45=-624/1255, 24-45=-624/1255, 23-24=-759/1756, 12-23=-386/428, 21-22=-224/559, 20-21=-1359/2463, 19-20=-1365/2487, 16-19=-1838/3390

WEBS 3-30=-267/416, 5-30=-269/612, 5-28=-598/615, 6-28=-750/1129, 26-28=-812/993, 6-26=-1799/1084, 8-26=-2269/1294, 8-25=-579/1341, 10-25=-740/766, 10-24=-208/562, 11-24=-245/586, 12-24=-477/521, 13-23=-338/320, 13-21=-73/253, 14-21=-661/494, 14-20=-78/320, 14-19=-604/1035, 21-23=-777/1428

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 17-0-0, Zone2 17-0-0 to 25-5-13, Zone1 25-5-13 to 43-0-0, Zone2 43-0-0 to 51-5-13, Zone1 51-5-13 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) Bearing at joint(s) 16 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 1505 lb uplift at joint 27, 910 lb uplift at joint 16 and 310 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H17TA	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:05 — Page: 1

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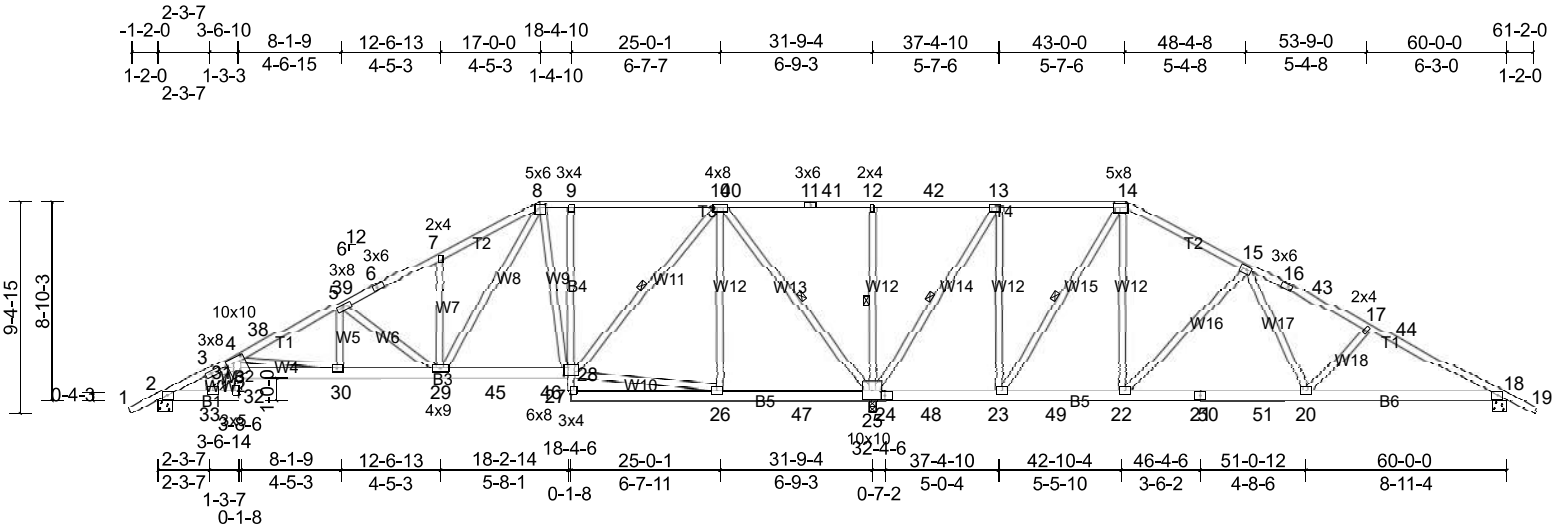

Plate Offsets (X, Y): [4:0-1-8,0-2-4], [8:0-3-0,0-2-0], [14:0-6-0,0-2-8], [24:0-2-2,0-2-0], [28:0-2-4,0-4-0], [32:Edge,0-2-0]

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	0.65	Vert(LL)	0.25	30-31	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.25	30-31	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	-0.10	25	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 448 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2,B4:2x4 SP No.2, B5:2x6 SP No.1D
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-2-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-9-9 oc bracing.
WEBS	1 Row at midpt 12-25, 10-28, 10-25, 14-23, 13-25

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

REACTIONS (lb/size) 2=703/0-7-10, (min. 0-1-8), 18=536/0-7-10, (min. 0-1-8), 25=2834/0-3-8, (min. 0-3-6)
Max Horiz 2=-281 (LC 17)
Max Uplift 2=-548 (LC 12), 18=-603 (LC 13), 25=-1678 (LC 12)
Max Grav 2=798 (LC 27), 18=688 (LC 28), 25=3317 (LC 2)

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

TOP CHORD 2-3=-1407/879, 3-4=-3040/2194, 4-38=-1444/977, 5-38=-1427/989, 5-39=-845/605, 6-39=-838/607, 6-7=-777/622, 7-8=-846/806, 8-9=-205/353, 9-10=-206/357, 10-40=-885/1685, 11-40=-885/1685, 11-41=-885/1685, 12-41=-885/1685, 12-42=-885/1685, 13-42=-885/1685, 13-14=-537/887, 14-15=-353/524, 15-16=-735/839, 16-43=-771/828, 17-43=-819/820, 17-44=-889/934, 18-44=-961/924

BOT CHORD 2-33=-968/1248, 32-33=-290/352, 4-31=-596/933, 30-31=-2221/2829, 29-30=-923/1304, 29-45=-142/501, 45-46=-142/501, 28-46=-142/501, 9-28=-253/339, 26-47=-612/630, 25-47=-612/630, 24-25=-797/899, 24-48=-797/899, 23-48=-797/899, 23-49=-293/617, 22-49=-293/617, 21-22=-279/538, 21-50=-279/538, 50-51=-279/538, 20-51=-279/538, 18-20=-672/838

WEBS 8-28=-564/360, 14-22=-343/709, 15-22=-588/603, 15-20=-259/597, 17-20=-268/417, 12-25=-286/384, 10-26=0/386, 10-28=-727/1062, 26-28=-561/573, 10-25=-1802/1218, 14-23=-1165/611, 13-23=-440/1155, 13-25=-1647/900, 3-33=-868/707, 3-31=-1129/1440, 31-33=-884/1169, 5-30=-198/448, 4-30=-1572/1314, 5-29=-675/607, 7-29=-220/373, 8-29=-717/852

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 17-0-0, Zone2 17-0-0 to 25-5-13, Zone1 25-5-13 to 43-0-0, Zone2 43-0-0 to 51-5-13, Zone1 51-5-13 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 548 lb uplift at joint 2, 603 lb uplift at joint 18 and 1678 lb uplift at joint 25.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H17TB	Hip	4	1	Job Reference (optional)

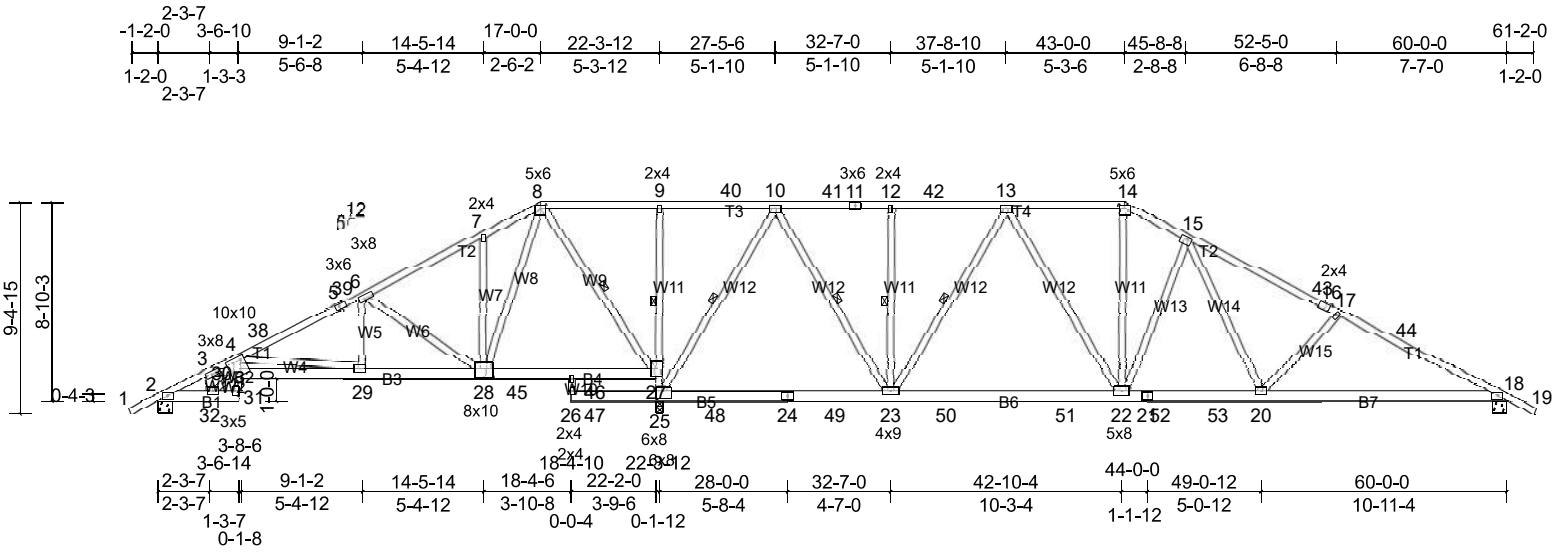

Plate Offsets (X, Y): [4:0-1-8,0-2-4], [8:0-3-0,0-2-0], [14:0-3-0,0-2-0], [16:0-3-0,Edge], [25:0-3-8,0-4-0], [28:0-5-0,0-4-8], [31:Edge,0-2-0]

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	0.81	Vert(LL)	0.26	20-37	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.39	20-37	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.10	25	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 432 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-5 oc bracing.
WEBS 1 Row at midpt 9-25, 8-27, 10-23, 10-25, 12-23, 13-23

REACTIONS (lb/size) 2=652/0-7-10, (min. 0-1-8), 18=1213/0-7-10, (min. 0-1-10), 25=2285/0-3-8, (min. 0-3-4)
Max Horiz 2=281 (LC 12)
Max Uplift 2=-537 (LC 12), 18=-1030 (LC 13), 25=-1226 (LC 12)
Max Grav 2=719 (LC 27), 18=1403 (LC 28), 25=2775 (LC 2)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1240/855, 3-4=-2663/2149, 4-38=-1082/851, 5-38=-1056/856, 5-39=-1007/865, 6-39=-1006/867, 6-7=-484/566, 7-8=-536/719, 8-9=-6/650, 9-40=0/629, 10-40=0/629, 10-41=-1098/1170, 11-41=-1098/1170, 11-12=-1098/1170, 12-42=-1098/1170, 13-42=-1098/1170, 13-14=-1492/1363, 14-15=-1691/1497, 15-43=-2203/1731, 16-43=-2258/1708, 16-17=-2269/1705, 17-44=-2398/1861, 18-44=-2452/1848
BOT CHORD 2-32=-944/1155, 31-32=-296/314, 4-30=-565/890, 29-30=-2218/2620, 28-29=-796/1006, 25-48=-303/435, 24-48=-303/435, 24-49=-303/435, 23-49=-303/435, 23-50=-732/1360, 50-51=-732/1360, 22-51=-732/1360, 21-22=-944/1694, 21-52=-944/1694, 52-53=-944/1694, 20-53=-944/1694, 18-20=-1478/2169
WEBS 25-27=-1172/871, 9-27=-280/372, 14-22=-496/628, 15-22=-578/624, 15-20=-376/647, 17-20=-351/546, 3-32=-786/675, 3-30=-1121/1315, 30-32=-846/1097, 8-28=-618/879, 6-29=-162/415, 4-29=-1627/1433, 6-28=-688/680, 7-28=-189/325, 8-27=-922/610, 10-23=-598/1299, 10-25=-1506/845, 12-23=-234/315, 13-23=-523/396, 13-22=-15/385

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 17-0-0, Zone2 17-0-0 to 25-5-13, Zone1 25-5-13 to 43-0-0, Zone2 43-0-0 to 51-5-13, Zone1 51-5-13 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 537 lb uplift at joint 2, 1226 lb uplift at joint 25 and 1030 lb uplift at joint 18.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H17TC	Piggyback Base	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:06 — Page: 1

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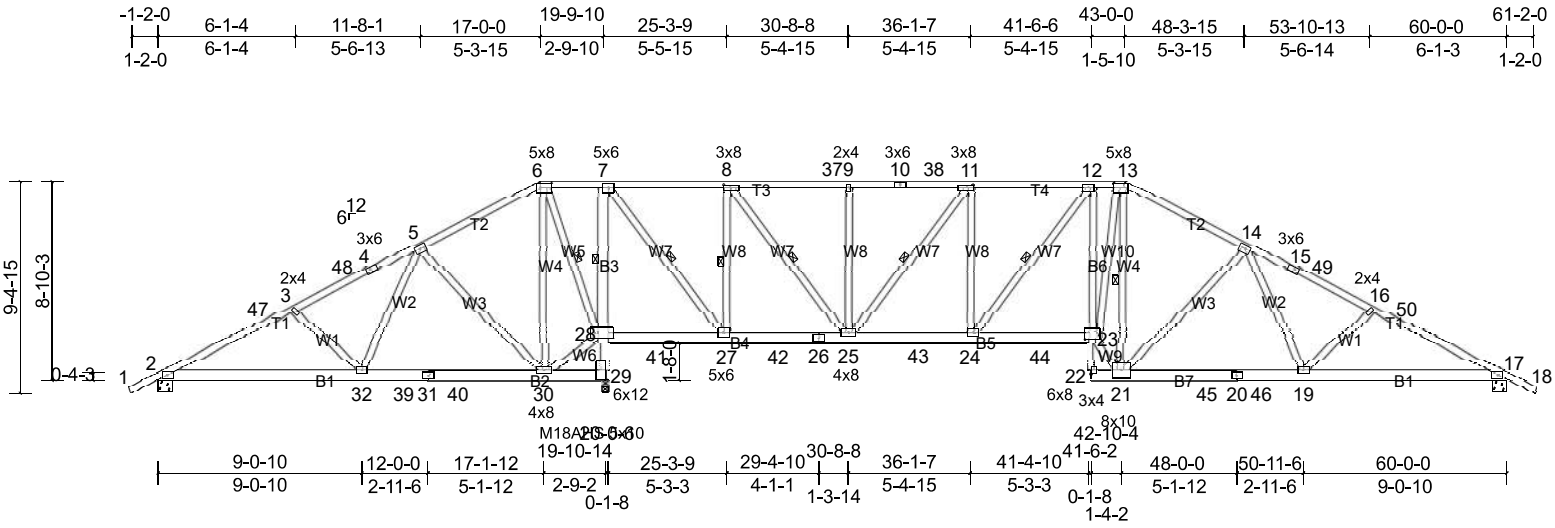

Plate Offsets (X, Y): [6:0-6-0,0-2-8], [8:0-3-8,0-1-8], [11:0-3-8,0-1-8], [13:0-6-0,0-2-8], [23:0-5-8,0-4-4], [28:0-8-0,0-3-0], [29:Edge,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.24	23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.30	23-24	>999	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.06	17	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 451 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B2:2x6 SP No.1D, B6:2x4 SP No.2
WEBS	2x4 SP No.2

REACTIONS (lb/size) 2=274/0-7-10, (min. 0-1-8), 17=1169/0-7-10, (min. 0-1-9), 29=2630/0-3-8, (min. 0-3-2)
Max Horiz 2=281 (LC 12)
Max Uplift 2=-341 (LC 12), 17=-925 (LC 13), 29=-1487 (LC 12)
Max Grav 2=386 (LC 19), 17=1340 (LC 28), 29=3080 (LC 2)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-4-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-11-9 oc bracing. Except:
1 Row at midpt	7-28
WEBS	1 Row at midpt 6-28, 13-21, 7-27, 8-27, 8-25, 11-25, 12-24

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

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

TOP CHORD 6-7=-508/1475, 7-8=0/288, 8-37=-821/733, 9-37=-821/733, 9-10=-821/733, 10-38=-821/733, 11-38=-821/733, 11-12=-1424/1122, 12-13=-1630/1275, 2-47=-402/372, 3-47=-359/395, 3-48=-343/428, 4-48=-333/444, 4-5=-324/461, 5-6=-303/939, 13-14=-1563/1209, 14-15=-2180/1544, 15-49=-2218/1534, 16-49=-2267/1533, 16-50=-2352/1667, 17-50=-2421/1656

BOT CHORD 2-32=-446/551, 32-39=-539/615, 31-39=-539/615, 31-40=-539/615, 30-40=-539/615, 28-29=-3077/1498, 7-28=-1814/1189, 28-41=-1478/1156, 27-41=-1485/1155, 27-42=-270/482, 26-42=-270/482, 25-26=-270/482, 25-43=-611/1424, 24-43=-611/1424, 24-44=-647/1642, 23-44=-647/1642, 12-23=-57/368, 21-45=-926/1751, 20-45=-926/1751, 20-46=-926/1751, 19-46=-926/1751, 17-19=-1331/2147

WEBS 28-30=-798/893, 6-28=-1768/1048, 13-23=-725/1393, 13-21=-816/425, 21-23=-733/2017, 6-30=-684/1099, 14-21=-583/604, 14-19=-234/574, 16-19=-276/428, 7-27=-1156/2104, 8-27=-1369/952, 8-25=-905/1488, 9-25=-245/333, 11-25=-983/640, 11-24=-136/576, 12-24=-408/255, 5-30=-597/611, 5-32=-250/601, 3-32=-277/429

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 17-0-0, Zone2 17-0-0 to 25-3-9, Zone1 25-3-9 to 43-0-0, Zone2 43-0-0 to 51-5-13, Zone1 51-5-13 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) All plates are 4x6 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1487 lb uplift at joint 29, 925 lb uplift at joint 17 and 341 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H17TC	Piggyback Base	1	1	Job Reference (optional)

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H17TD	Piggyback Base	4	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:07 — Page: 1

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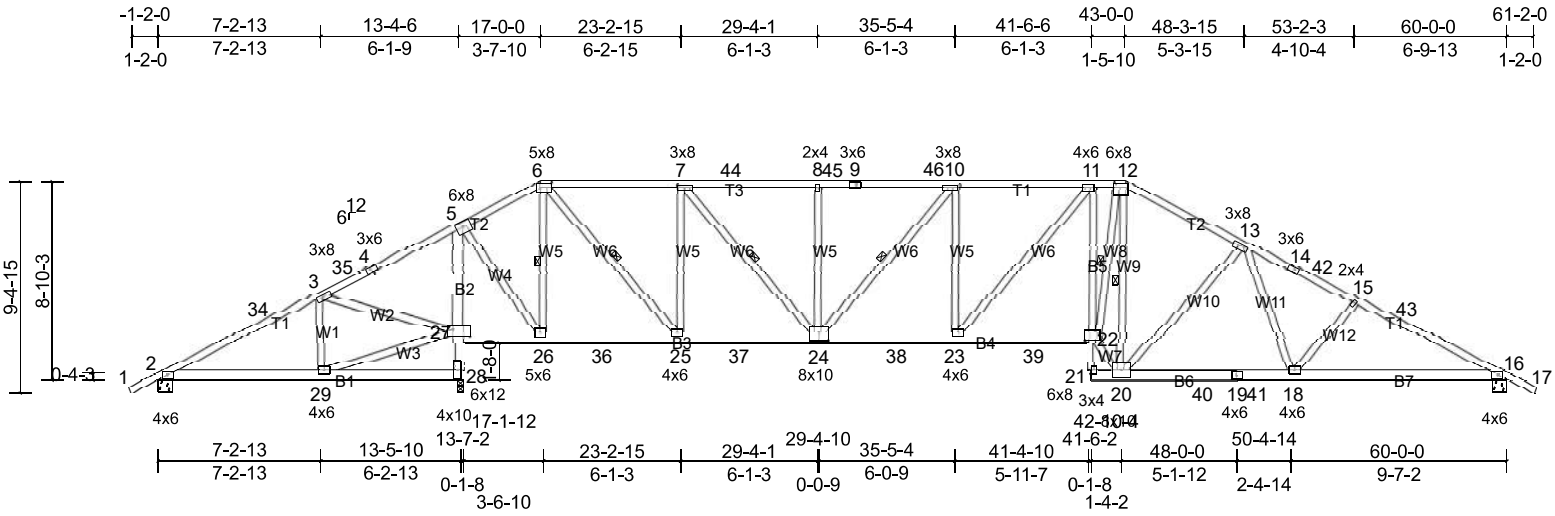


Plate Offsets (X, Y): [6:0-6-0,0-2-8], [7:0-3-8,0-1-8], [10:0-3-8,0-1-8], [12:0-6-0,0-2-8], [22:0-5-8,0-5-0], [24:0-5-0,0-4-8], [27:0-9-0,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.39	22-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.51	22-23	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.15	16	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 438 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B1:2x6 SP No.1D, B5:2x4 SP No.2
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-8-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-6-3 oc bracing.
WEBS	1 Row at midpt 6-26, 12-22, 12-20, 6-25, 7-24, 10-24

REACTIONS (lb/size) 2=-24/0-7-10, (min. 0-1-8), 16=1446/0-7-10, (min. 0-1-15), 28=2651/0-3-8, (min. 0-3-2)
Max Horiz 2=281 (LC 12)
Max Uplift 2=-250 (LC 26), 16=-1069 (LC 13), 28=-1572 (LC 12)
Max Grav 2=194 (LC 10), 16=1657 (LC 28), 28=3088 (LC 2)

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

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

TOP CHORD 2-34=-637/920, 3-34=-504/937, 3-35=-827/1837, 4-35=-818/1865, 4-5=-814/1931, 5-6=0/261, 12-13=-2278/1537, 13-14=-2868/1872, 14-42=-2899/1863, 15-42=-2945/1855, 15-43=-3030/1951, 16-43=-3086/1939, 6-7=-1186/898, 7-44=-2051/1367, 8-44=-2051/1367, 8-45=-2050/1364, 9-45=-2050/1364, 9-46=-2050/1364, 10-46=-2050/1364, 10-11=-2519/1613, 11-12=-2479/1664

BOT CHORD 2-29=-824/717, 27-28=-3021/1619, 5-27=-2987/1604, 26-27=-1707/1229, 26-36=-306/594, 25-36=-306/594, 25-37=-610/1186, 24-37=-610/1186, 24-38=-1180/2519, 23-38=-1180/2519, 23-39=-1087/2499, 22-39=-1087/2499, 11-22=-300/467, 20-40=-1206/2390, 19-40=-1206/2390, 19-41=-1206/2390, 18-41=-1206/2390, 16-18=-1567/2735

WEBS 3-29=-137/526, 27-29=-742/659, 3-27=-1033/705, 5-26=-1277/2551, 6-26=-1721/1023, 12-22=-1251/2434, 12-20=-1528/756, 20-22=-1161/2942, 6-25=-1181/2015, 7-25=-1217/943, 7-24=-798/1295, 8-24=-268/367, 10-24=-710/552, 10-23=-1/414, 11-23=-254/165, 13-20=-589/588, 13-18=-260/579, 15-18=-269/416

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 17-0-0, Zone2 17-0-0 to 25-5-13, Zone1 25-5-13 to 43-0-0, Zone2 43-0-0 to 51-5-13, Zone1 51-5-13 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) 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) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 250 lb uplift at joint 2, 1572 lb uplift at joint 28 and 1069 lb uplift at joint 16.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H17TE	Hip	2	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:07 — Page: 1

ID:7m_YlZ9?GJPc2bcV1AsBHfzySRp-57DRejN31TdCXgqR7OcsQrDQoeVvKTroVwTQDBzyiSg

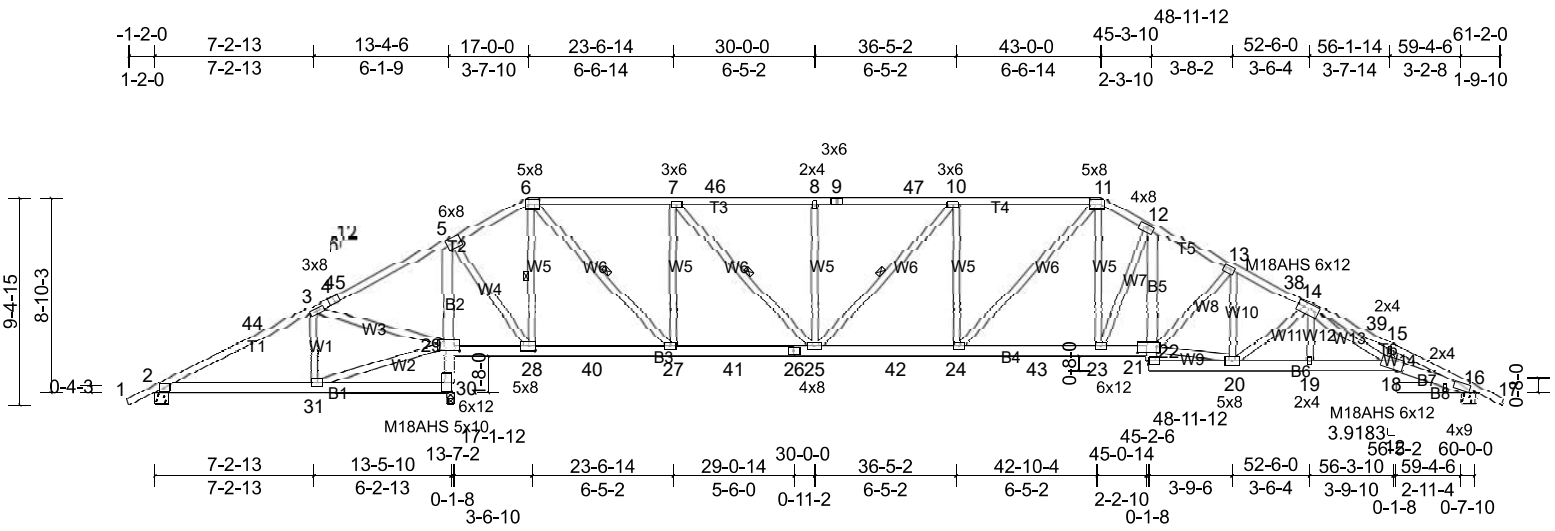


Plate Offsets (X, Y): [4:0-3-0,Edge], [6:0-6-0,0-2-8], [11:0-6-0,0-2-8], [14:0-3-4,0-3-0], [16:0-2-15,0-1-3], [18:0-6-0,0-4-8], [22:0-10-4,0-3-4], [28:0-3-8,0-2-8], [29:0-8-8,0-4-12], [30:Edge,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	0.53	22-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.61	22-23	>912	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.21	16	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 451 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2 *Except* T2,T6:2x4 SP No.1D
BOT CHORD	2x6 SP No.2 *Except* B6,B1,B7:2x6 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 4-5-8 oc bracing.
WEBS	1 Row at midpt 6-28, 6-27, 7-25, 10-25

REACTIONS (lb/size) 2=-139/0-7-10, (min. 0-1-8), 16=1413/0-7-10, (min. 0-1-8), 30=2800/0-3-8, (min. 0-3-4)
Max Horiz 2=281 (LC 12)
Max Uplift 2=-373 (LC 28), 16=-1043 (LC 13), 30=-1628 (LC 12)
Max Grav 2=233 (LC 8), 16=1599 (LC 28), 30=3246 (LC 2)

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

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

TOP CHORD 11-12=-2622/1713, 12-13=-2945/1869, 13-38=-3190/2025, 14-38=-3204/2014, 14-39=-5929/3742, 15-39=-5945/3730, 15-16=-6053/3638, 2-44=-715/1205, 3-44=-622/1222, 3-4=-1087/2248, 4-45=-1084/2252, 5-45=-1075/2341, 5-6=-153/457, 6-7=-1047/853, 7-46=-1942/1333, 8-46=-1942/1333, 8-9=-1942/1333, 9-47=-1942/1333, 10-47=-1942/1333, 10-11=-2401/1558

BOT CHORD 28-29=-2076/1495, 28-40=-508/762, 27-40=-508/762, 27-41=-612/1047, 26-41=-612/1047, 25-26=-612/1047, 25-42=-1138/2401, 24-42=-1138/2401, 24-43=-991/2356, 23-43=-991/2356, 22-23=-1171/2620, 12-22=-443/691, 20-21=-379/790, 19-20=-1972/3586, 18-19=-1984/3620, 2-31=-1078/864, 16-18=-3205/5541, 29-30=-3182/1688, 5-29=-3239/1748

WEBS 12-23=-720/598, 6-28=-1859/1089, 13-20=-125/279, 14-20=-1010/728, 14-19=-162/461, 20-22=-1063/2068, 13-22=-354/360, 14-18=-1388/2083, 11-23=-530/956, 6-27=-1220/2089, 7-27=-1224/955, 7-25=-837/1313, 8-25=-280/382, 10-25=-672/550, 10-24=-35/407, 11-24=-347/223, 3-31=-197/609, 3-29=-1146/755, 29-31=-994/787, 5-28=-1377/2778

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 17-0-0, Zone2 17-0-0 to 25-5-13, Zone1 25-5-13 to 43-0-0, Zone2 43-0-0 to 51-5-13, Zone1 51-5-13 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) All plates are 4x6 MT20 unless otherwise indicated.
7) The Fabrication Tolerance at joint 18 = 16%
8) 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.
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

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	H17TE	Hip	2	1	Job Reference (optional)

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, with BCDL = 10.0psf.
11) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1043 lb uplift at joint 16, 373 lb uplift at joint 2 and 1628 lb uplift at joint 30.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	HGR07T	Hip Girder	1	2	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:10 — Page: 1

ID:Xa_E_y06DnV7XGitw54xAbzy3fE-ZJnps3Ohonl39pPdh585z2mda2_I30ZxkaD_mdzyiSf

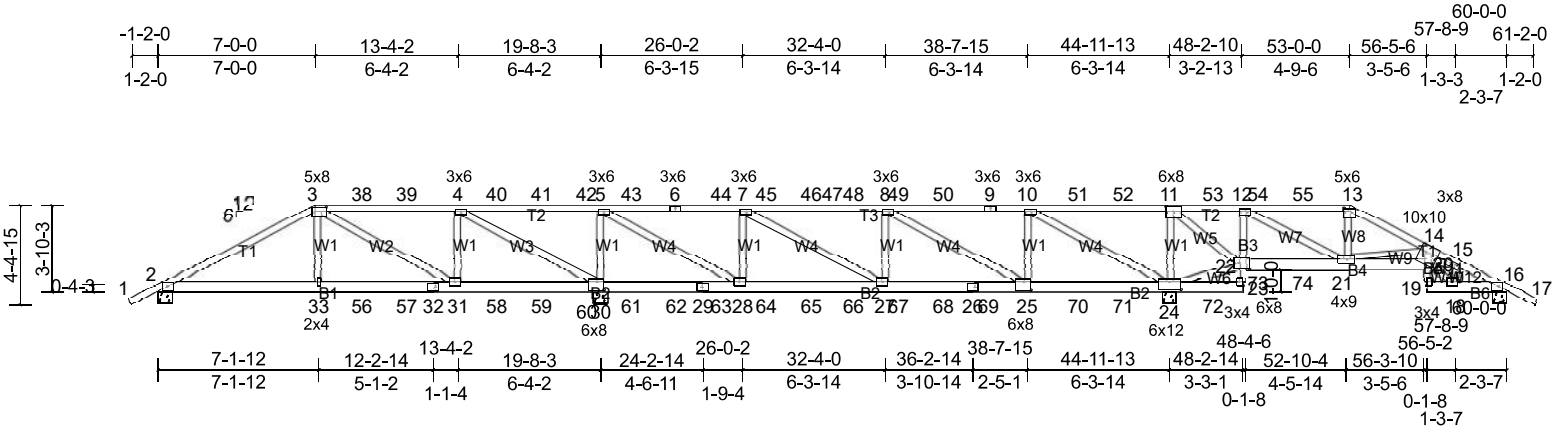


Plate Offsets (X, Y): [3:0-6-0,0-2-8], [11:0-3-8,0-3-0], [13:0-3-0,0-2-0], [14:0-1-12,Edge], [22:0-5-8,0-3-0], [23:Edge,0-2-0], [24:0-6-0,0-4-4], [25:0-3-8,0-4-8], [30:0-3-8,0-4-8]

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	0.61	Vert(LL)	0.15	25-27	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	0.12	25-27	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.62	Horz(CT)	-0.02	24	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 730 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3,B5:2x4 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 0-7-10.

(lb) - Max Horiz 2=127 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-848 (LC 8), 16=-306 (LC 9), 24=-3668 (LC 4), 30=-3857 (LC 5)

Max Grav All reactions 250 (lb) or less at joint(s) except 2=928 (LC 1), 16=376 (LC 16), 24=3328 (LC 22), 30=3984 (LC 21)

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

TOP CHORD 2-3=-1578/1450, 3-38=-525/562, 38-39=-525/562, 4-39=-525/562, 4-40=-1880/1963, 40-41=-1880/1963, 41-42=-1880/1963, 5-42=-1880/1963, 5-43=-888/1065, 6-43=-888/1065, 6-44=-888/1065, 7-44=-888/1065, 7-45=-1965/2077, 45-46=-1965/2077, 46-47=-1965/2077, 47-48=-1965/2077, 8-48=-1965/2077, 8-49=-1133/1133, 49-50=-1133/1133, 9-50=-1133/1133, 9-10=-1133/1133, 10-51=-1744/1678, 51-52=-1744/1678, 11-52=-1744/1678, 11-53=-797/941, 12-53=-797/941, 12-54=-647/501, 54-55=-647/501, 13-55=-647/501, 13-14=-748/578, 14-15=-1202/687, 15-16=-578/364

BOT CHORD 2-33=-1233/1356, 33-56=-1253/1385, 56-57=-1253/1385, 32-57=-1253/1385, 31-32=-1253/1385, 31-58=-402/680, 58-59=-402/680, 59-60=-402/680, 30-60=-402/680, 30-61=-1963/1985, 61-62=-1963/1985, 29-62=-1963/1985, 29-63=-1963/1985, 28-63=-1963/1985, 28-64=-923/888, 64-65=-923/888, 65-66=-923/888, 27-66=-923/888, 27-67=-1968/1965, 67-68=-1968/1965, 26-68=-1968/1965, 26-69=-1968/1965, 25-69=-1968/1965, 25-70=-1032/1133, 70-71=-1032/1133, 24-71=-1032/1133, 24-72=-316/323, 23-72=-316/323, 12-22=-811/917, 22-73=-936/1013, 73-74=-931/1009, 21-74=-928/1005, 20-21=-625/1094, 14-20=-145/362, 16-18=-228/514

WEBS 3-33=-480/782, 22-24=-1414/1760, 12-21=-1125/1162, 14-21=-602/413, 15-18=-341/212, 15-20=-379/585, 18-20=-205/481, 11-24=-1095/1277, 11-22=-1215/1316, 5-30=-2043/2255, 4-30=-2823/2610, 4-31=-321/848, 3-31=-986/971, 10-24=-3069/3255, 7-28=-852/930, 5-28=-3314/3248, 7-27=-1191/1232, 8-27=-264/290, 8-25=-1005/1105, 10-25=-1172/1192

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
   Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60

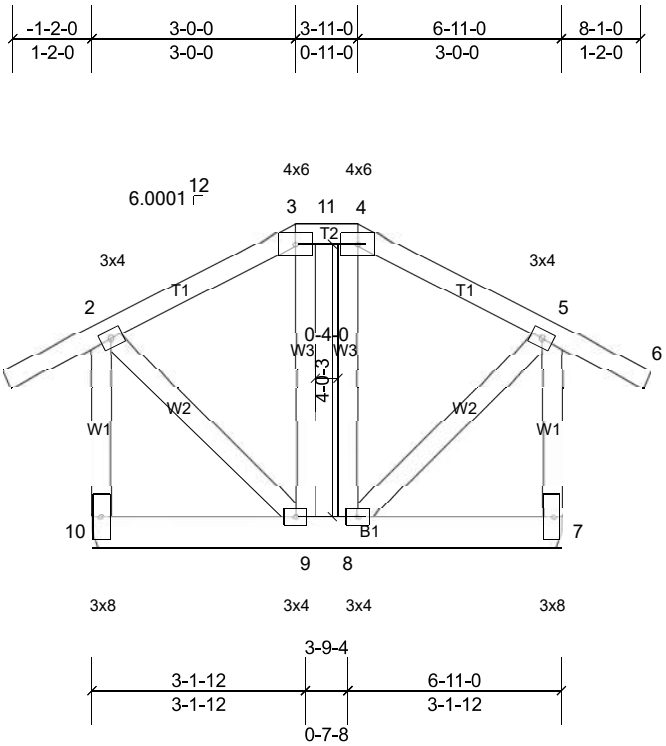
Continued on page 2

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 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 306 lb uplift at joint 16, 3667 lb uplift at joint 24, 3856 lb uplift at joint 30 and 848 lb uplift at joint 2.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 115 lb down and 184 lb up at 7-0-0, 105 lb down and 184 lb up at 9-0-12, 105 lb down and 184 lb up at 11-0-12, 105 lb down and 184 lb up at 13-0-12, 105 lb down and 184 lb up at 15-0-12, 105 lb down and 184 lb up at 17-0-12, 105 lb down and 184 lb up at 19-0-12, 77 lb down and 16 lb up at 21-0-12, 77 lb down and 16 lb up at 23-0-12, 77 lb down and 16 lb up at 25-0-12, 77 lb down and 16 lb up at 27-0-12, 77 lb down and 16 lb up at 29-0-12, 77 lb down and 16 lb up at 30-11-4, 77 lb down and 16 lb up at 32-11-4, 77 lb down and 16 lb up at 34-11-4, 77 lb down and 16 lb up at 36-11-4, 77 lb down and 16 lb up at 38-11-4, 77 lb down and 16 lb up at 40-11-4, 77 lb down and 16 lb up at 42-11-4, 105 lb down and 184 lb up at 44-11-4, 105 lb down and 184 lb up at 46-11-4, 239 lb down and 218 lb up at 48-11-4, and 239 lb down and 218 lb up at 50-11-4, and 443 lb down and 395 lb up at 53-0-0 on top chord, and 421 lb down and 446 lb up at 7-0-0, 82 lb down and 13 lb up at 9-0-12, 82 lb down and 13 lb up at 11-0-12, 82 lb down and 13 lb up at 13-0-12, 82 lb down and 13 lb up at 15-0-12, 82 lb down and 13 lb up at 17-0-12, 82 lb down and 13 lb up at 19-0-12, 191 lb down and 234 lb up at 21-0-12, 191 lb down and 234 lb up at 23-0-12, 191 lb down and 234 lb up at 25-0-12, 191 lb down and 234 lb up at 27-0-12, 191 lb down and 234 lb up at 29-0-12, 191 lb down and 234 lb up at 30-11-4, 191 lb down and 234 lb up at 32-11-4, 191 lb down and 234 lb up at 34-11-4, 191 lb down and 234 lb up at 36-11-4, 191 lb down and 234 lb up at 38-11-4, 191 lb down and 234 lb up at 40-11-4, 191 lb down and 234 lb up at 42-11-4, 82 lb down and 13 lb up at 46-11-4, and 377 lb down and 394 lb up at 48-11-4, and 377 lb down and 394 lb up at 50-11-4 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, 13-17=-46, 2-23=-20, 20-22=-20, 16-19=-20
   Concentrated Loads (lb)
   Vert: 3=-100, 13=192, 33=-421, 11=-100, 4=-100, 31=-58, 25=-191, 38=-100, 39=-100, 40=-100, 41=-100, 42=-100, 53=-100, 54=108, 55=108, 56=-58, 57=-58, 58=-58, 59=-58, 60=-58, 61=-191, 62=-191, 63=-191, 64=-191, 65=-191, 66=-191, 67=-191, 68=-191, 69=-191, 70=-191, 71=-191, 72=-58, 73=-377, 74=-377

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	HGR47B	Hip Girder	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	0.19	Vert(LL)	0.01	9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.01	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 63 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 7=345/ Mechanical, (min. 0-1-8), 10=345/ Mechanical, (min. 0-1-8)
Max Horiz 10=66 (LC 12)
Max Uplift 7=-627 (LC 9), 10=-627 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-167/438, 3-11=-116/413, 4-11=-116/413, 4-5=-167/438, 2-10=-315/623, 5-7=-315/623
BOT CHORD 8-9=-336/152
WEBS 2-9=-464/209, 5-8=-464/209

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 627 lb uplift at joint 10 and 627 lb uplift at joint 7.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 34 lb down and 78 lb up at 3-0-0, and 34 lb down and 78 lb up at 3-11-0 on top chord, and 84 lb down and 344 lb up at 2-11-8, and 84 lb down and 344 lb up at 3-10-12 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: 1-2=-46, 2-3=-46, 3-4=-46, 4-5=-46, 5-6=-46, 7-10=-20
Concentrated Loads (lb)
Vert: 3=-47, 4=-47, 9=-16, 8=-16

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	HGR54B	Hip Girder	1	1	Job Reference (optional)

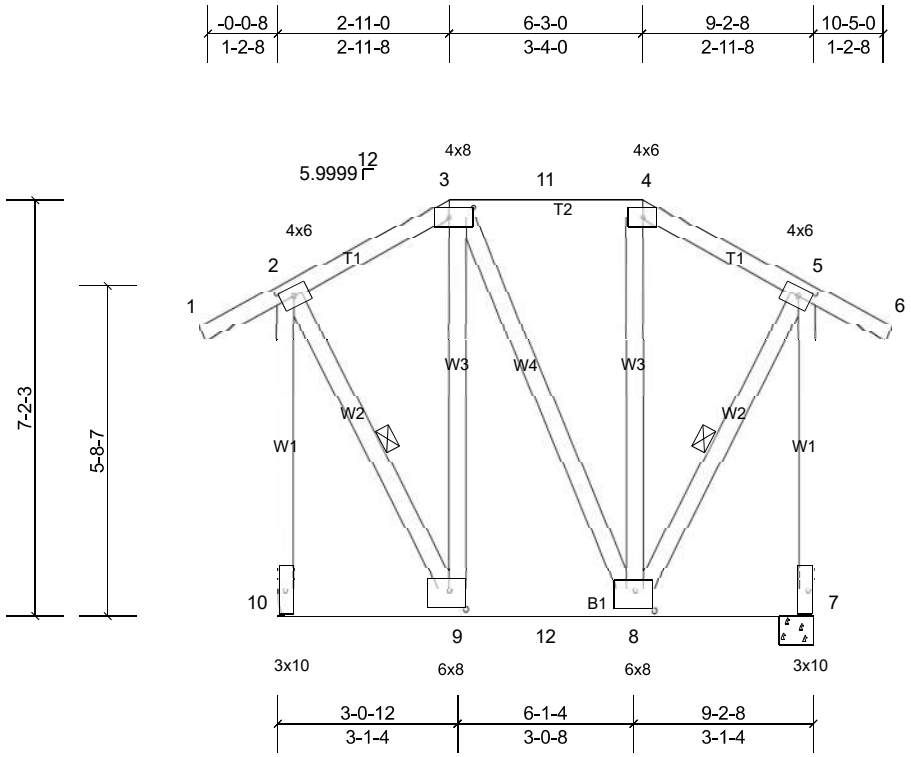


Plate Offsets (X, Y): [2:0-2-15,0-2-0], [3:0-5-0,0-2-0], [5:0-2-15,0-2-0], [8:0-4-0,0-4-0], [9:0-3-8,0-3-12]

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)	0.05	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	0.05	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 102 lb	FT = 20%

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

REACTIONS (lb/size) 7=385/0-7-2, (min. 0-1-8), 10=385/ Mechanical, (min. 0-1-8)
Max Horiz 10=-406 (LC 6)
Max Uplift 7=-2018 (LC 5), 10=-2018 (LC 4)
Max Grav 7=1262 (LC 6), 10=1262 (LC 7)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-15 oc bracing.
WEBS 1 Row at midpt 2-9, 5-8

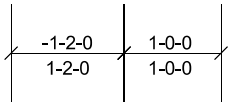
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

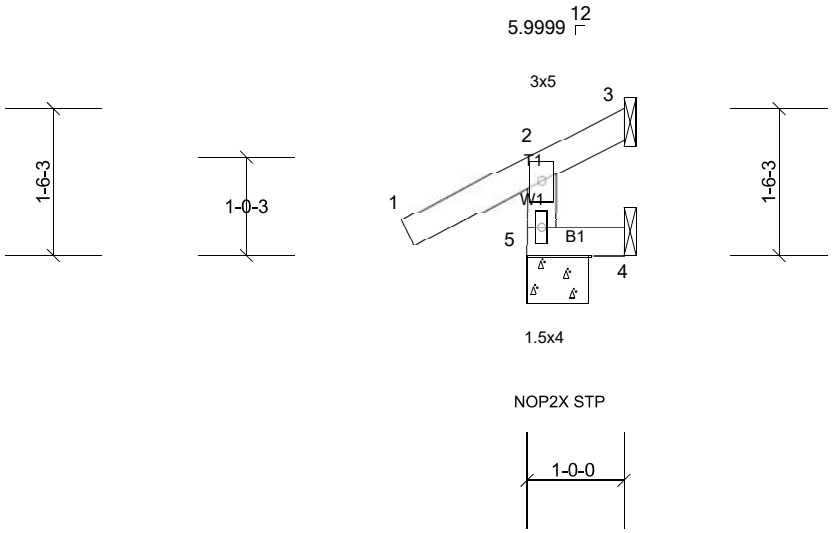
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-637/978, 3-11=-556/894, 4-11=-556/894, 4-5=-640/980, 2-10=-1261/1990, 5-7=-1267/1994
BOT CHORD 9-10=-355/307, 9-12=-973/758, 8-12=-973/758
WEBS 3-9=-357/422, 4-8=-236/284, 2-9=-1711/1211, 5-8=-1716/1217

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2018 lb uplift at joint 10 and 2018 lb uplift at joint 7.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 160 lb down and 168 lb up at 3-0-0, and 34 lb down and 77 lb up at 4-8-0, and 160 lb down and 168 lb up at 6-4-0 on top chord, and 1103 lb down and 1403 lb up at 3-0-1, and 249 lb down and 405 lb up at 4-8-0, and 1103 lb down and 1403 lb up at 6-3-4 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: 1-2=-46, 2-3=-46, 3-4=-46, 4-5=-46, 5-6=-46, 7-10=-20
Concentrated Loads (lb)
Vert: 3=0, 4=0, 9=-20, 8=-20, 11=0, 12=-8

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J04	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	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MR							Weight: 6 lb	FT = 20%

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

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

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

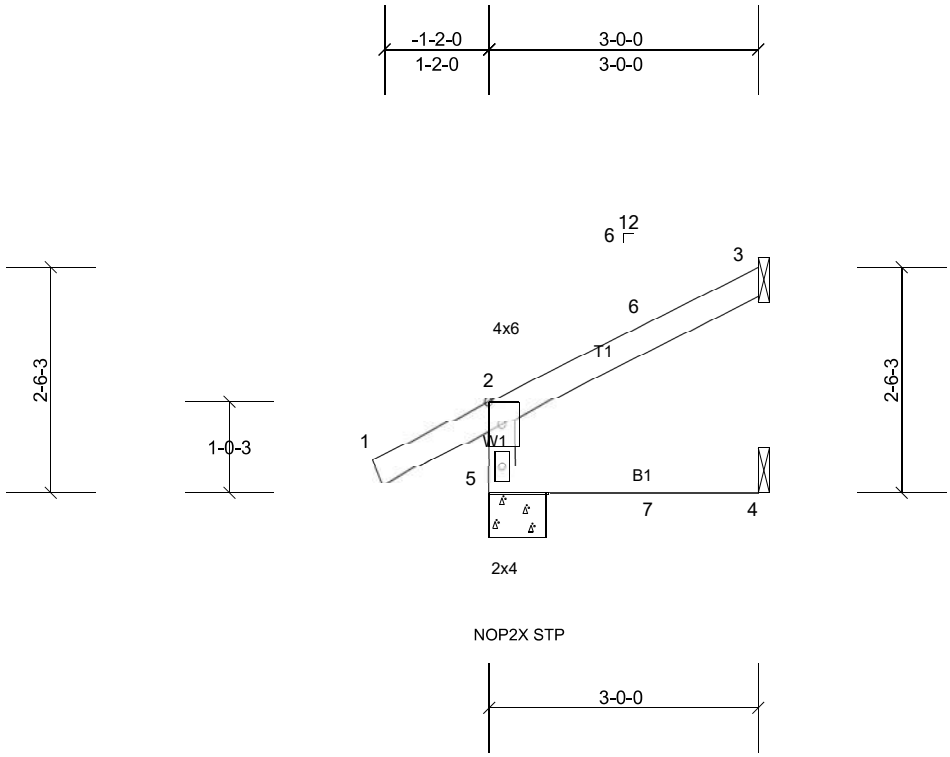
REACTIONS (lb/size) 3=-21/ Mechanical, (min. 0-1-8), 4=-3/ Mechanical, (min. 0-1-8), 5=143/0-7-10, (min. 0-1-8)
Max Horiz 5=71 (LC 9)
Max Uplift 3=-21 (LC 1), 4=-15 (LC 9), 5=-105 (LC 12)
Max Grav 3=20 (LC 8), 4=15 (LC 10), 5=143 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-137/369

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 105 lb uplift at joint 5, 21 lb uplift at joint 3 and 15 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J05	Jack-Open	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	0.32	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	0.03	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MR							Weight: 12 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 3=51/ Mechanical, (min. 0-1-8), 4=26/ Mechanical, (min. 0-1-8), 5=171/0-7-10, (min. 0-1-8)
Max Horiz 5=122 (LC 12)
Max Uplift 3=-104 (LC 12), 4=-44 (LC 9), 5=-105 (LC 12)
Max Grav 3=51 (LC 1), 4=51 (LC 3), 5=171 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-159/351

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 2-11-4 zone; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 105 lb uplift at joint 5, 104 lb uplift at joint 3 and 44 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J05T	Jack-Open	2	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:12 — Page: 1

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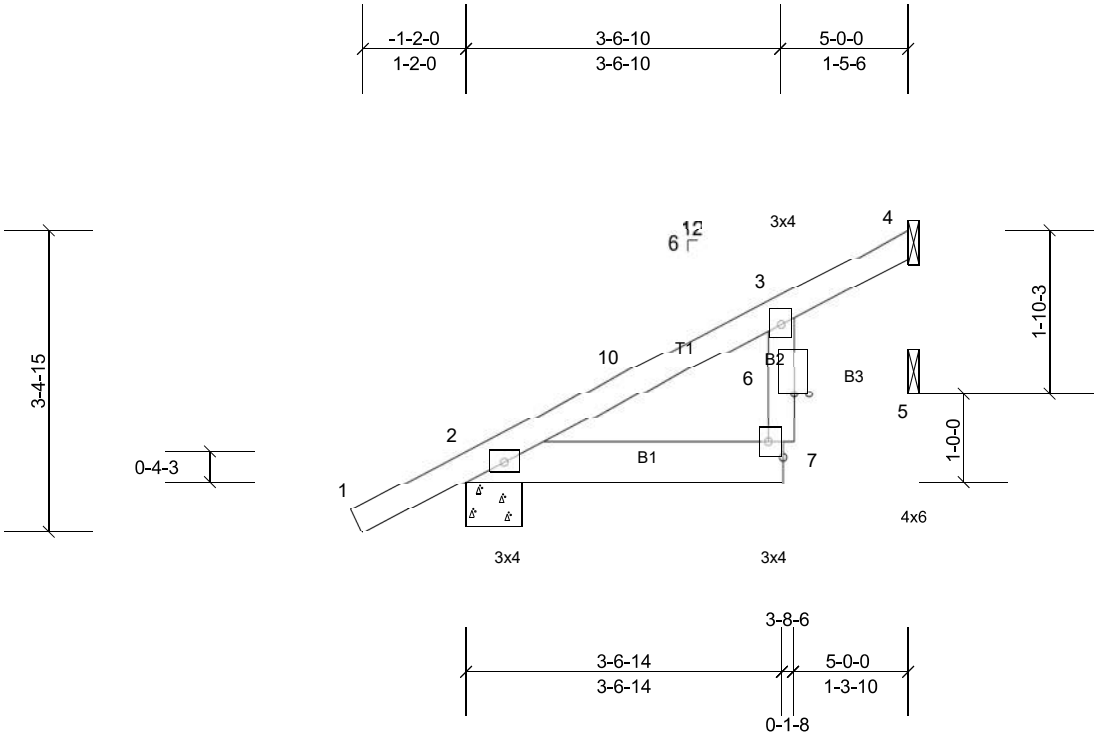

Plate Offsets (X, Y): [7:Edge,0-2-0]

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	0.23	Vert(LL)	0.02	3-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	0.02	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MR							Weight: 23 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* B1:2x6 SP No.2

REACTIONS (lb/size) 2=227/0-7-10, (min. 0-1-8), 4=69/ Mechanical, (min. 0-1-8), 5=86/ Mechanical, (min. 0-1-8)
Max Horiz 2=213 (LC 12)
Max Uplift 2=-156 (LC 12), 4=-87 (LC 12), 5=-72 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-7=-268/216

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.

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 4-11-4 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) 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 87 lb uplift at joint 4, 156 lb uplift at joint 2 and 72 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J07T	Jack-Open	3	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:13 — Page: 1

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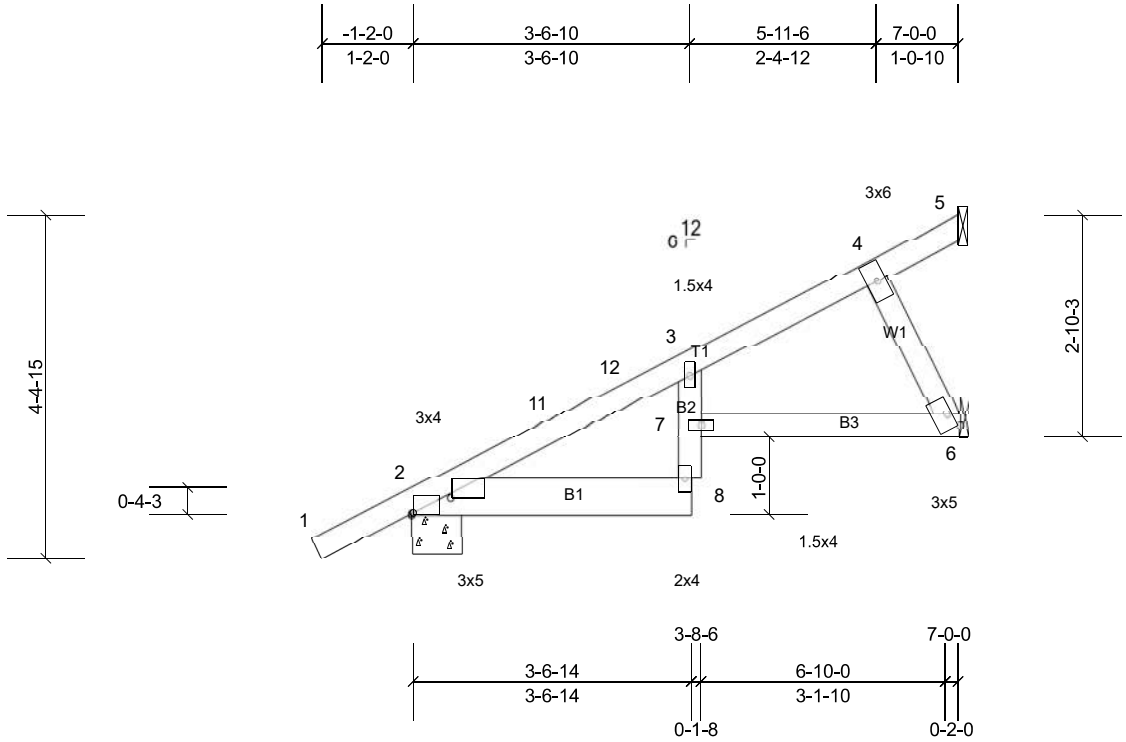

Plate Offsets (X, Y): [2:0-6-0,0-2-5], [2:Edge,0-0-4]

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	0.61	Vert(LL)	0.19	8	>446	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.16	8	>506	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.06	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 32 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* B1:2x6 SP No.2
WEBS	2x4 SP No.2

REACTIONS (lb/size) 2=289/0-7-10, (min. 0-1-8), 5=-172/ Mechanical, (min. 0-1-8), 6=397/ Mechanical, (min. 0-1-8)
Max Horiz 2=273 (LC 12)
Max Uplift 2=-188 (LC 12), 5=-172 (LC 1), 6=-382 (LC 12)
Max Grav 2=289 (LC 1), 5=177 (LC 12), 6=397 (LC 1)

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

BOT CHORD	6-7=-349/277
WEBS	4-6=-599/755

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-11-9 oc bracing.

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

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 6-11-4 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) 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 172 lb uplift at joint 5, 188 lb uplift at joint 2 and 382 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J16	Jack-Open	12	1	Job Reference (optional)

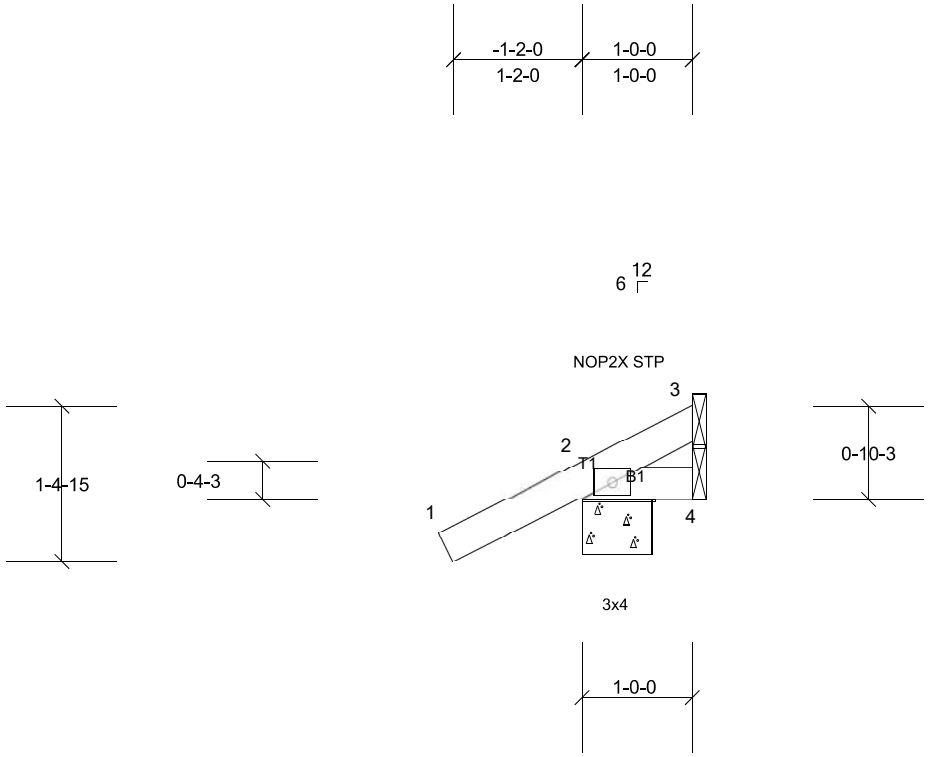

Plate Offsets (X, Y): [2:0-1-4,0-0-2]

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	0.04	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

REACTIONS (lb/size) 2=125/0-7-10, (min. 0-1-8), 3=3/ Mechanical, (min. 0-1-8), 4=-6/ Mechanical, (min. 0-1-8)
Max Horiz 2=73 (LC 10)
Max Uplift 2=-130 (LC 10), 3=-4 (LC 10), 4=-6 (LC 1)
Max Grav 2=125 (LC 1), 3=11 (LC 6), 4=25 (LC 14)

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

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

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 4 lb uplift at joint 3, 130 lb uplift at joint 2 and 6 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J36	Jack-Open	10	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:13 — Page: 1

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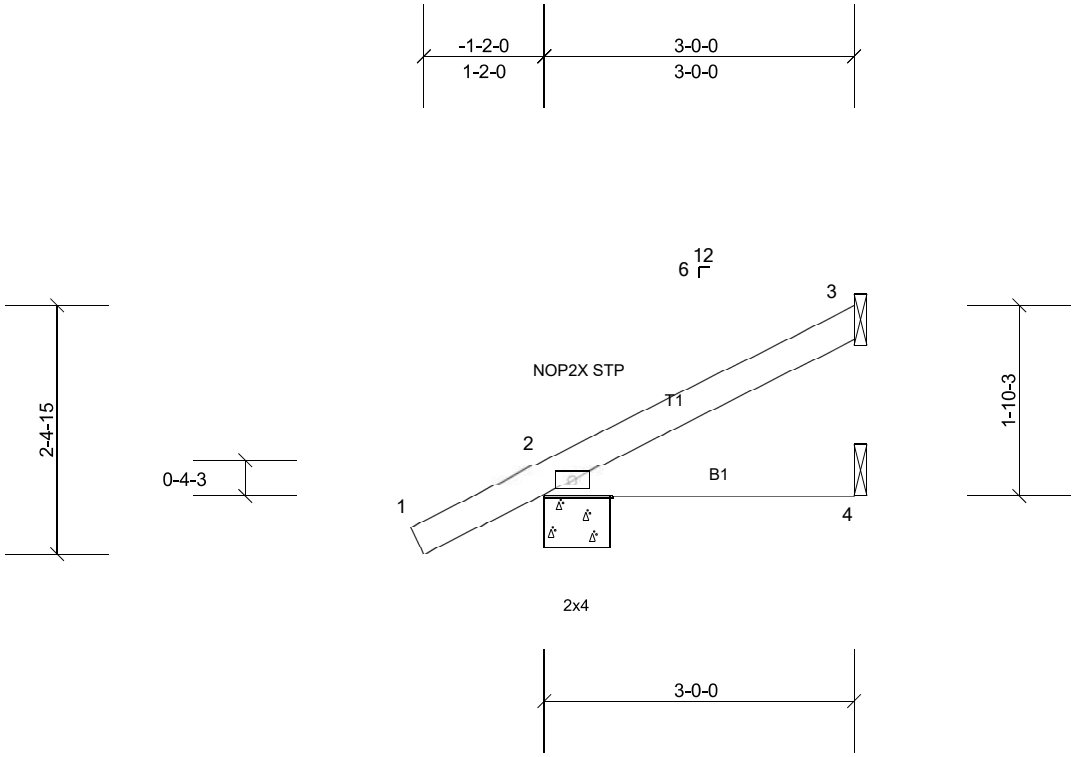


Plate Offsets (X, Y): [2:0-1-4,Edge]

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)	0.00	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 12 lb	FT = 0%

LUMBER

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

REACTIONS (lb/size) 2=165/0-7-10, (min. 0-1-8), 3=54/ Mechanical, (min. 0-1-8), 4=31/ Mechanical, (min. 0-1-8)
Max Horiz 2=142 (LC 10)
Max Uplift 2=-129 (LC 10), 3=-84 (LC 10), 4=-1 (LC 10)
Max Grav 2=165 (LC 1), 3=54 (LC 1), 4=51 (LC 3)

BRACING

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

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

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

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 84 lb uplift at joint 3, 129 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J36S	Jack-Open	1	1	Job Reference (optional)

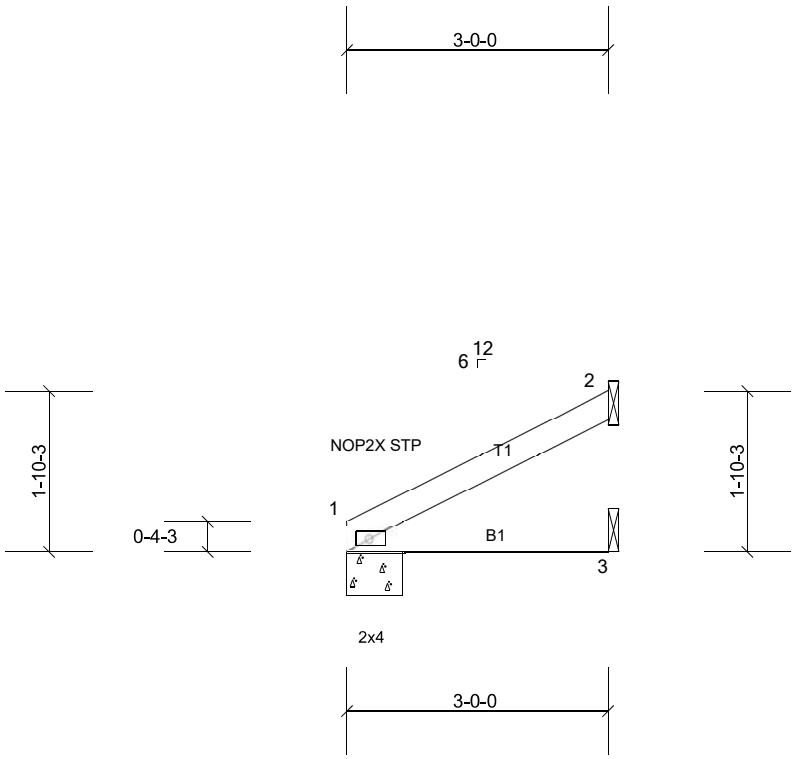


Plate Offsets (X, Y): [1:0-1-4,Edge]

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	0.19	Vert(LL)	0.01	3-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	0.01	3-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 10 lb	FT = 20%

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

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

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

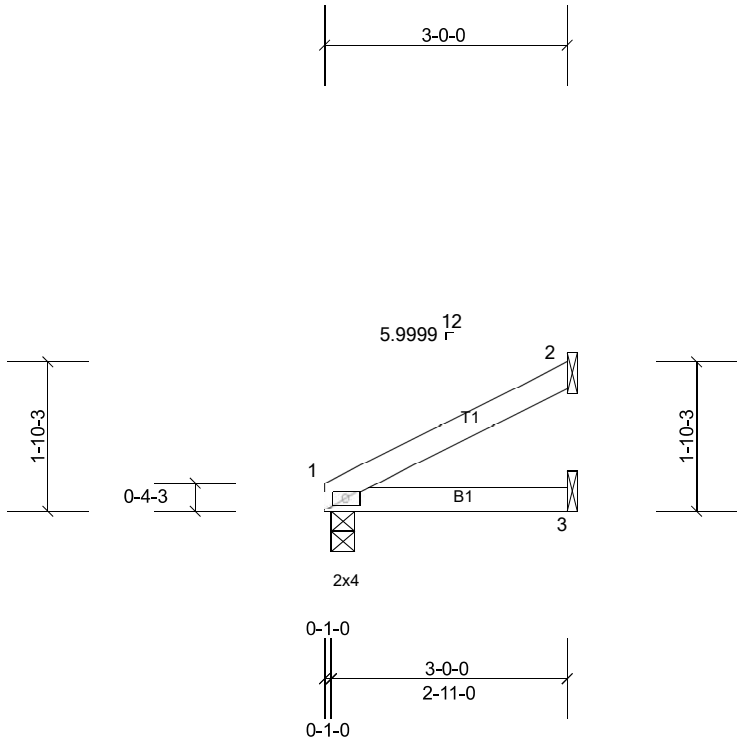
REACTIONS (lb/size) 1=97/0-7-10, (min. 0-1-8), 2=59/ Mechanical, (min. 0-1-8), 3=38/ Mechanical, (min. 0-1-8)
Max Horiz 1=116 (LC 12)
Max Uplift 1=-55 (LC 12), 2=-104 (LC 12), 3=-13 (LC 12)
Max Grav 1=97 (LC 1), 2=59 (LC 1), 3=52 (LC 3)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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) All plates are MT20 plates unless otherwise indicated.
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 55 lb uplift at joint 1, 104 lb uplift at joint 2 and 13 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J36SB	Jack-Open	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	0.17	Vert(LL)	0.01	3-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	0.01	3-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 10 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 1=97/0-3-8, (min. 0-1-8), 2=59/ Mechanical, (min. 0-1-8), 3=38/ Mechanical, (min. 0-1-8)
Max Horiz 1=104 (LC 12)
Max Uplift 1=-47 (LC 12), 2=-92 (LC 12), 3=-10 (LC 12)
Max Grav 1=97 (LC 1), 2=59 (LC 1), 3=52 (LC 3)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 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 47 lb uplift at joint 1, 92 lb uplift at joint 2 and 10 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J40	Jack-Open	2	1	Job Reference (optional)

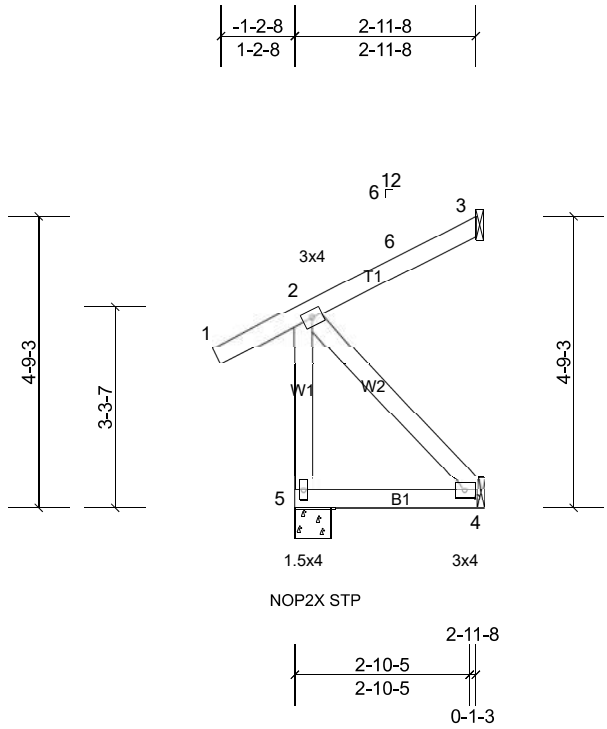


Plate Offsets (X, Y): [4:Edge,0-1-8]

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	0.32	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-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

REACTIONS (lb/size) 3=46/ Mechanical, (min. 0-1-8), 4=28/ Mechanical, (min. 0-1-8), 5=174/0-7-2, (min. 0-1-8)
Max Horiz 5=198 (LC 9)
Max Uplift 3=-86 (LC 12), 4=-136 (LC 9), 5=-46 (LC 16)
Max Grav 3=46 (LC 1), 4=101 (LC 10), 5=174 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-362/159
WEBS 2-4=-235/535

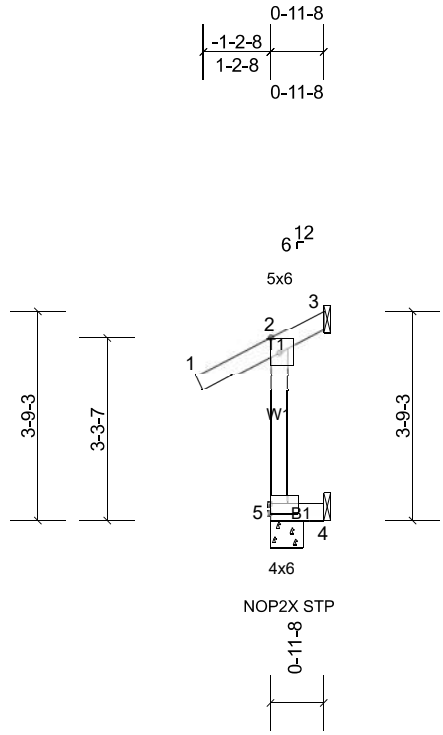
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-13 oc bracing.

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-3-5 to 1-8-11, Zone1 1-8-11 to 2-10-12 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) All plates are MT20 plates unless otherwise indicated.
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 46 lb uplift at joint 5, 86 lb uplift at joint 3 and 136 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J41	Jack-Open	4	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	0.57	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.09	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MR							Weight: 9 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 0-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

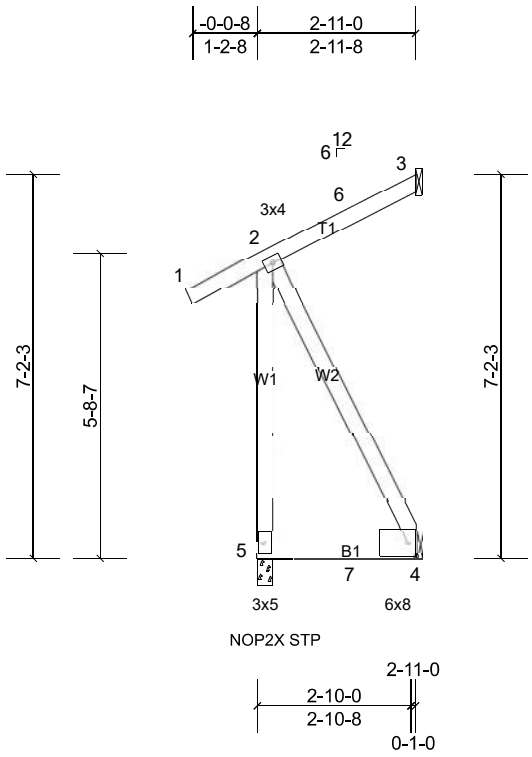
REACTIONS (lb/size) 3=-34/ Mechanical, (min. 0-1-8), 4=2/ Mechanical, (min. 0-1-8), 5=150/0-7-2, (min. 0-1-8)
Max Horiz 5=72 (LC 12)
Max Uplift 3=-89 (LC 12), 4=-126 (LC 12)
Max Grav 3=-10 (LC 10), 4=14 (LC 3), 5=158 (LC 21)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 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) All plates are MT20 plates unless otherwise indicated.
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 89 lb uplift at joint 3 and 126 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J50	Jack-Open	3	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	0.72	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 28 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-1 oc bracing.

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

REACTIONS (lb/size) 3=46/ Mechanical, (min. 0-1-8), 4=28/ Mechanical, (min. 0-1-8), 5=174/0-3-8, (min. 0-1-8)
Max Horiz 5=289 (LC 9)
Max Uplift 3=-86 (LC 12), 4=-393 (LC 9), 5=-243 (LC 10)
Max Grav 3=46 (LC 1), 4=227 (LC 10), 5=250 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-558/401
BOT CHORD 5-7=-449/239, 4-7=-449/239
WEBS 2-4=-523/982

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 2-11-4 zone; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 243 lb uplift at joint 5, 86 lb uplift at joint 3 and 393 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J51	Jack-Open	4	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:15 — Page: 1

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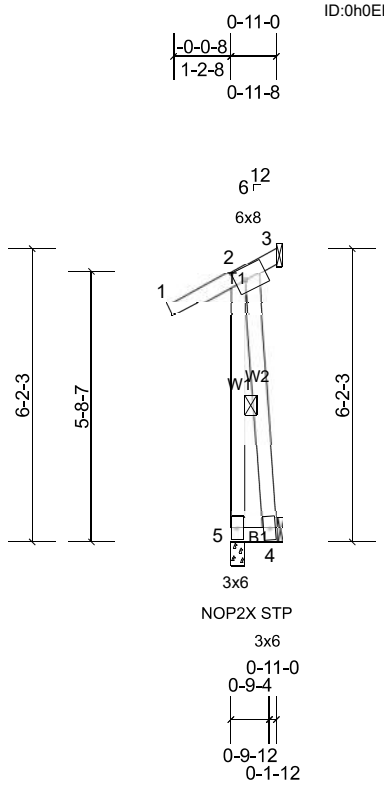

Plate Offsets (X, Y): [2:0-2-7,0-3-0]

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	0.83	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	-0.23	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

REACTIONS (lb/size) 3=-40/ Mechanical, (min. 0-1-8), 4=7/ Mechanical, (min. 0-1-8), 5=148/0-3-8, (min. 0-1-8)
Max Horiz 5=-263 (LC 10)
Max Uplift 3=-40 (LC 1), 4=-1169 (LC 9), 5=-1024 (LC 10)
Max Grav 3=58 (LC 16), 4=1025 (LC 10), 5=1067 (LC 9)

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

TOP CHORD	2-5=-2107/1531
BOT CHORD	4-5=-290/190
WEBS	2-4=-1549/2365

BRACING

TOP CHORD	Structural wood sheathing directly applied or 1-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-5

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

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 1024 lb uplift at joint 5, 1169 lb uplift at joint 4 and 40 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J56	Jack-Open	10	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:15 — Page: 1

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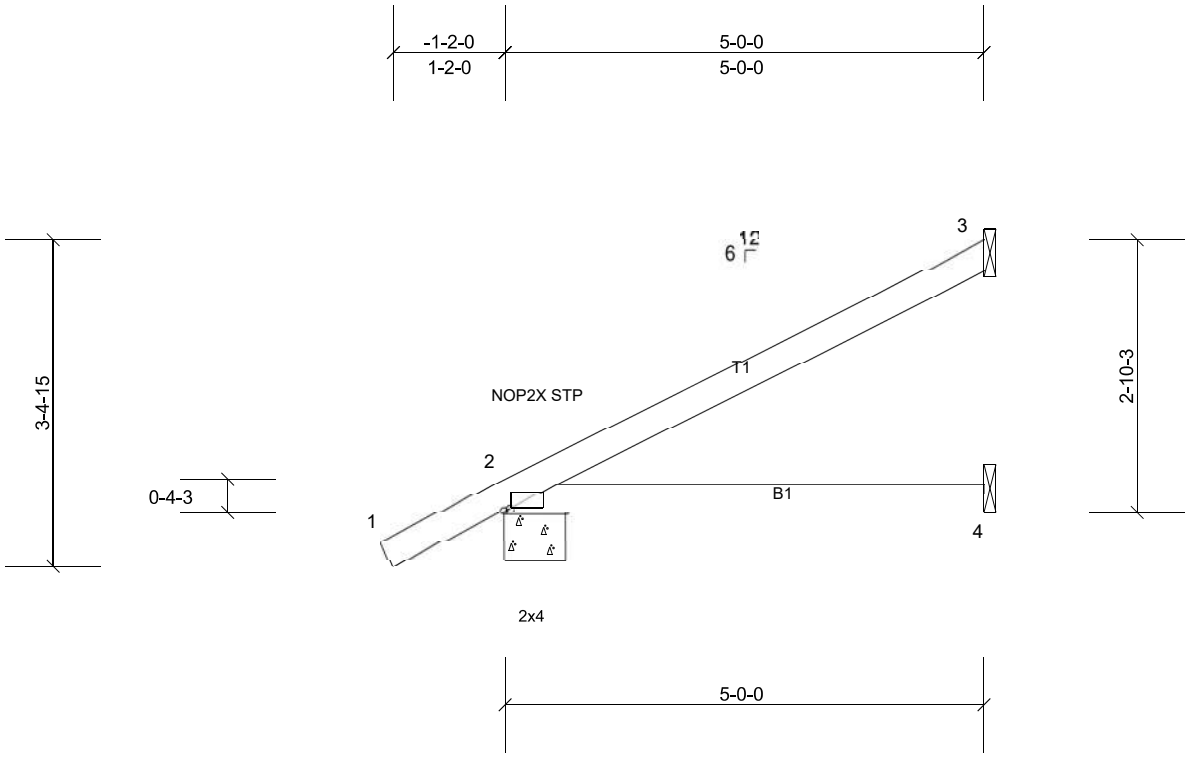

Plate Offsets (X, Y): [2:0-0-12,0-0-4]

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	0.54	Vert(LL)	0.06	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.06	4-7	>912	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

REACTIONS (lb/size) 2=227/0-7-10, (min. 0-1-8), 3=98/ Mechanical, (min. 0-1-8), 4=58/ Mechanical, (min. 0-1-8)
Max Horiz 2=213 (LC 10)
Max Uplift 2=-155 (LC 10), 3=-156 (LC 10), 4=-4 (LC 10)
Max Grav 2=227 (LC 1), 3=98 (LC 1), 4=88 (LC 3)

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.

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

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 156 lb uplift at joint 3, 155 lb uplift at joint 2 and 4 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J56S	Jack-Open	1	1	Job Reference (optional)

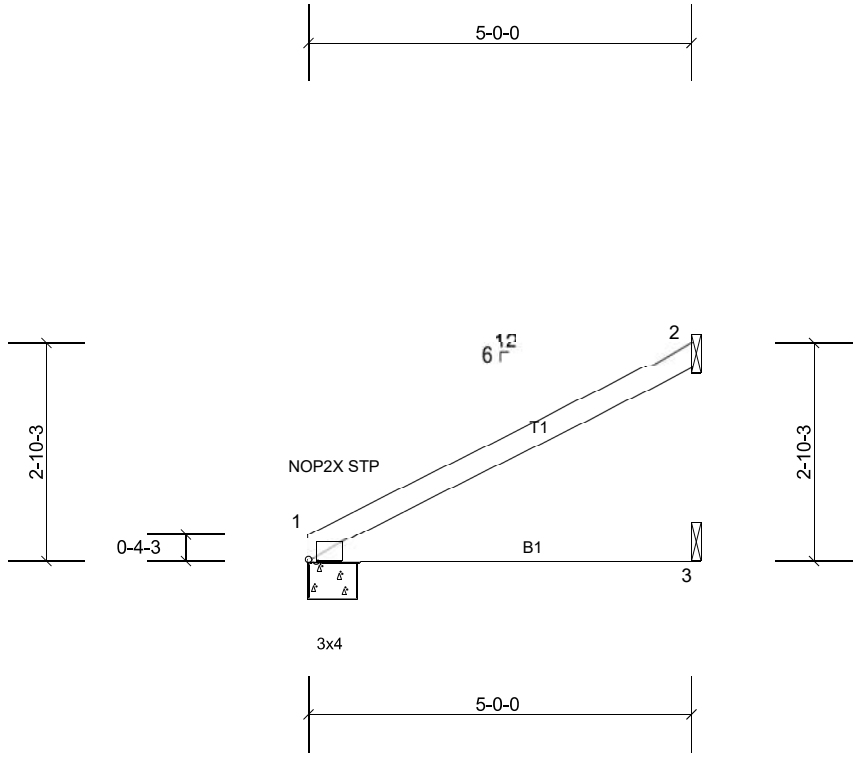

Plate Offsets (X, Y): [1:0-1-4,Edge]

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	0.67	Vert(LL)	0.09	3-6	>673	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	0.07	3-6	>846	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 16 lb	FT = 20%

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

REACTIONS (lb/size) 1=163/0-7-10, (min. 0-1-8), 2=102/ Mechanical, (min. 0-1-8), 3=61/ Mechanical, (min. 0-1-8)
Max Horiz 1=195 (LC 12)
Max Uplift 1=-94 (LC 12), 2=-181 (LC 12), 3=-14 (LC 12)
Max Grav 1=163 (LC 1), 2=102 (LC 1), 3=90 (LC 3)

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.

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

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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) All plates are MT20 plates unless otherwise indicated.
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 94 lb uplift at joint 1, 181 lb uplift at joint 2 and 14 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J76	Jack-Open	13	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:15 — Page: 1

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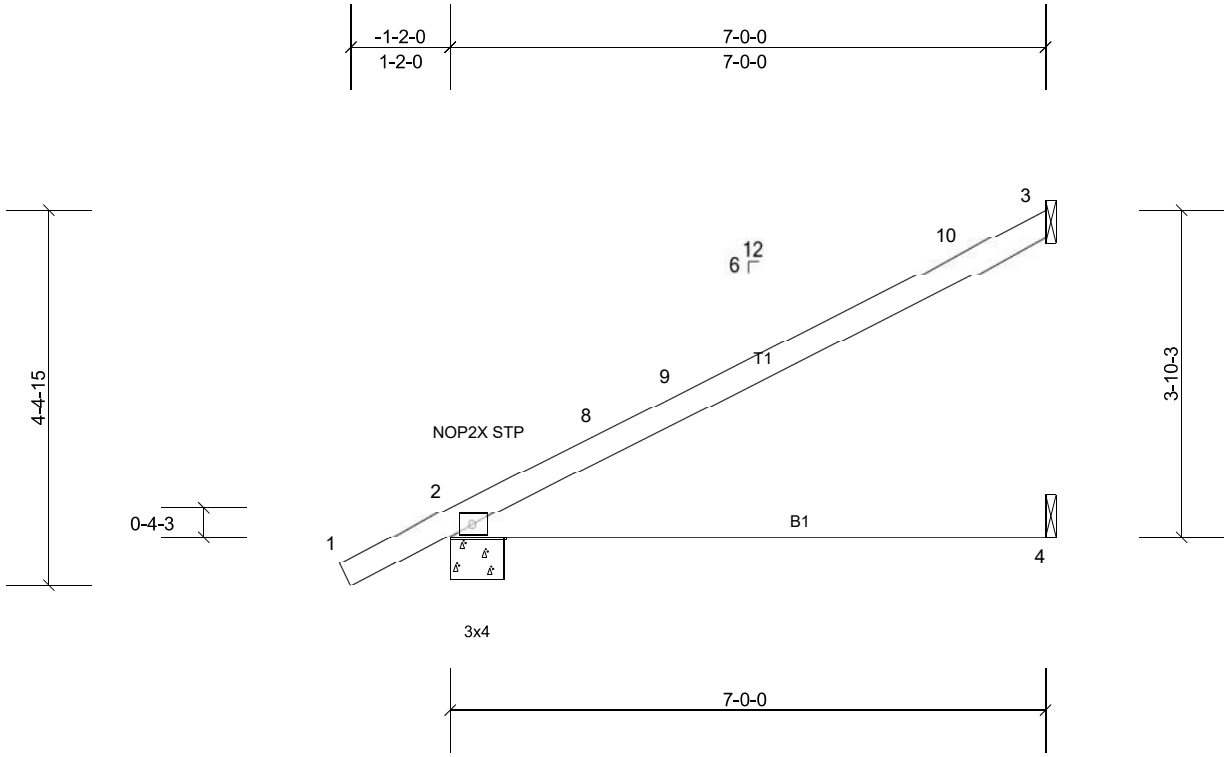


Plate Offsets (X, Y): [2:0-1-4,0-0-2]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	0.19	4-7	>434	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.21	4-7	>393	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 24 lb	FT = 0%

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

REACTIONS (lb/size) 2=291/0-7-10, (min. 0-1-8), 3=146/ Mechanical, (min. 0-1-8), 4=78/ Mechanical, (min. 0-1-8)
Max Horiz 2=274 (LC 10)
Max Uplift 2=-188 (LC 10), 3=-207 (LC 10), 4=-1 (LC 10)
Max Grav 2=291 (LC 1), 3=146 (LC 1), 4=122 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-264/67

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

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 2-8-5, Zone2 2-8-5 to 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 207 lb uplift at joint 3, 188 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	J76P	Jack-Open	12	1	Job Reference (optional)

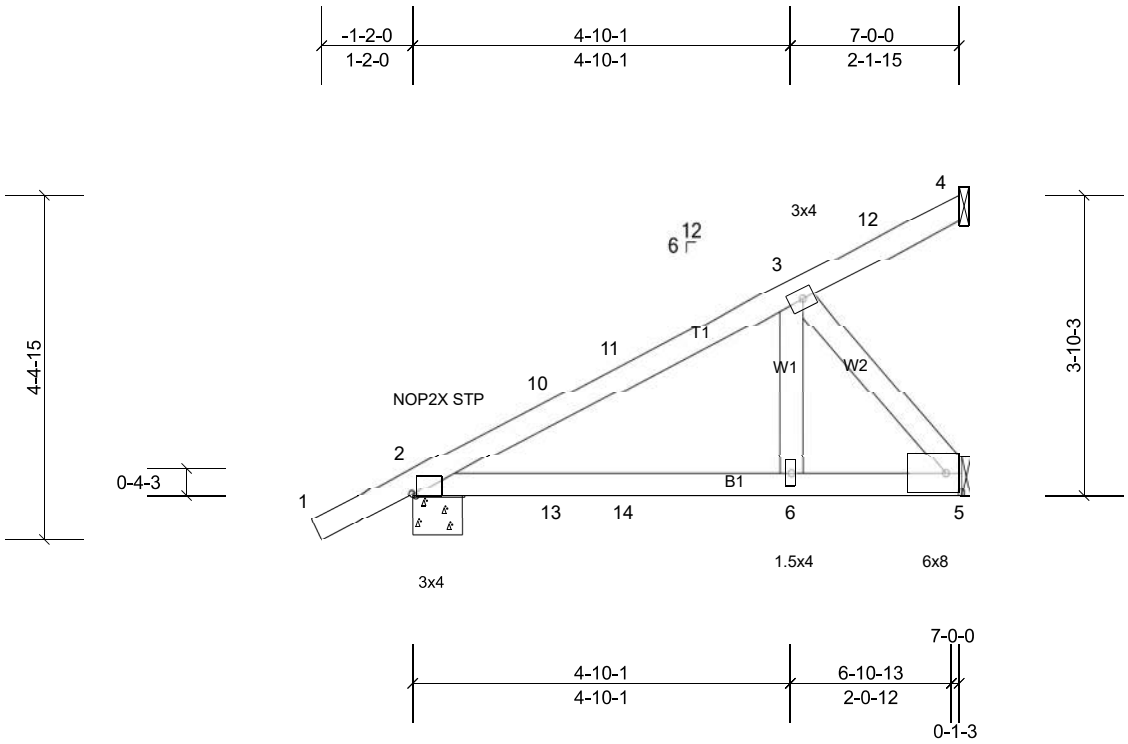


Plate Offsets (X, Y): [2:0-0-8,Edge]

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	0.47	Vert(LL)	0.09	6-9	>955	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	0.08	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 32 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 5-10-15 oc bracing.

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

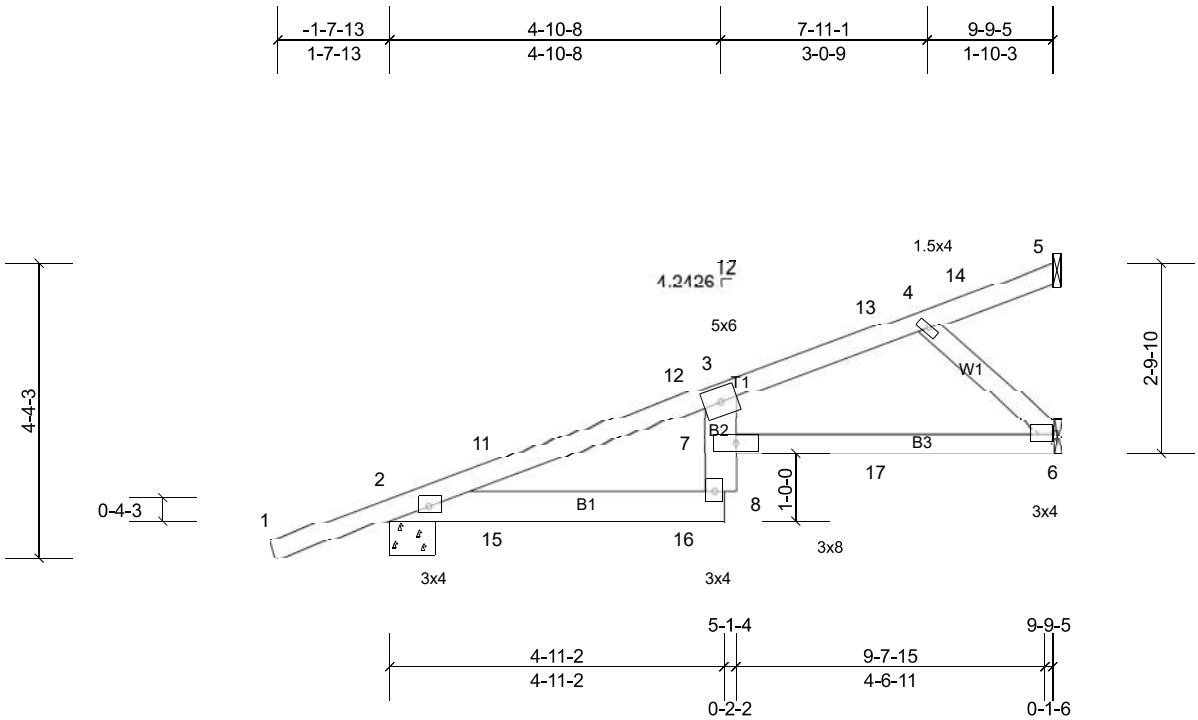
REACTIONS (lb/size) 2=293/0-7-10, (min. 0-1-8), 4=12/ Mechanical, (min. 0-1-8), 5=211/ Mechanical, (min. 0-1-8)
Max Horiz 2=274 (LC 10)
Max Uplift 2=-195 (LC 7), 4=-20 (LC 12), 5=-222 (LC 7)
Max Grav 2=293 (LC 1), 4=14 (LC 17), 5=211 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-236/548, 10-11=-208/549, 3-11=-201/559
BOT CHORD 2-13=-752/213, 13-14=-752/213, 6-14=-752/213, 5-6=-752/213
WEBS 3-5=-322/1139, 3-6=-645/177

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 2-8-5, Zone2 2-8-5 to 6-11-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 20 lb uplift at joint 4, 195 lb uplift at joint 2 and 222 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	JGR07T	Diagonal Hip Girder	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	0.84	Vert(LL)	0.28	6-7	>422	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.23	6-7	>506	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	-0.06	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 44 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1D
BOT CHORD 2x6 SP No.2 *Except* B3:2x4 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 8-2-15 oc bracing.

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

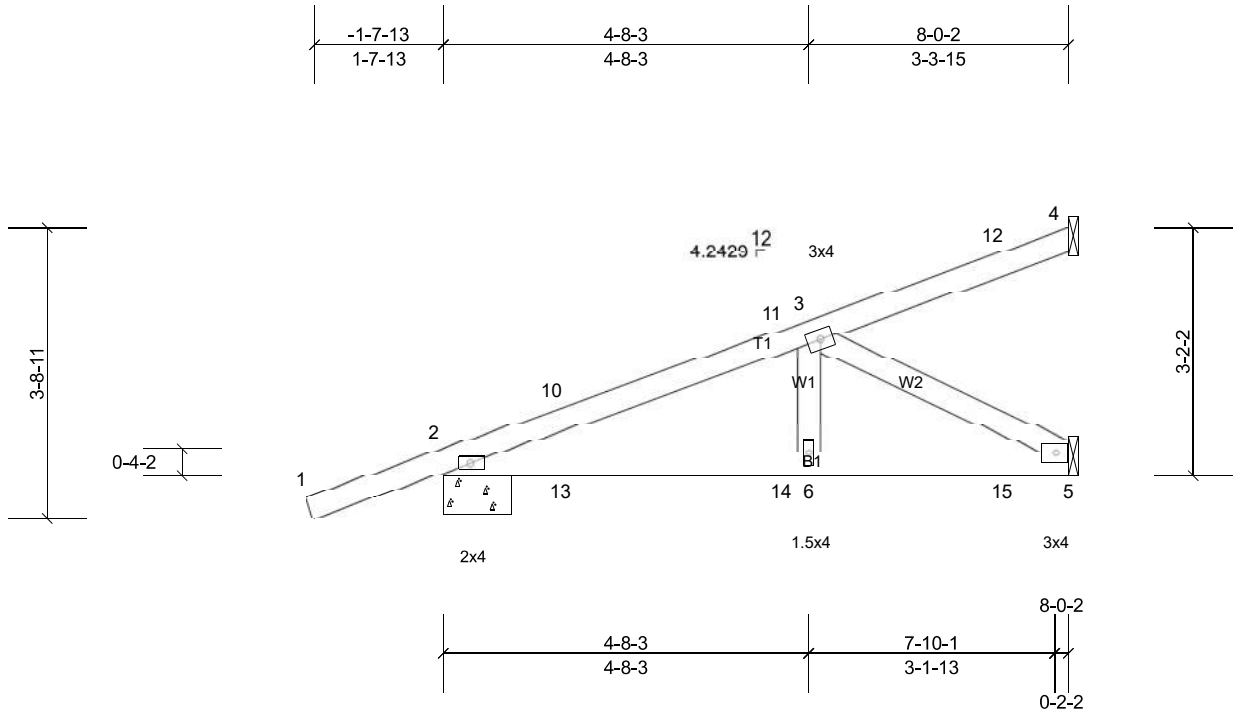
REACTIONS (lb/size) 2=436/0-8-0, (min. 0-1-8), 5=-112/ Mechanical, (min. 0-1-8), 6=488/ Mechanical, (min. 0-1-8)
Max Horiz 2=292 (LC 4)
Max Uplift 2=-410 (LC 4), 5=-124 (LC 3), 6=-427 (LC 8)
Max Grav 2=436 (LC 1), 5=100 (LC 9), 6=488 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-632/416, 11-12=-627/422, 3-12=-583/425, 3-13=-400/300, 4-13=-351/306
BOT CHORD 2-15=-548/562, 15-16=-548/562, 8-16=-548/562, 7-17=-435/438, 6-17=-435/438
WEBS 4-6=-592/588

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; 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 124 lb uplift at joint 5, 410 lb uplift at joint 2 and 427 lb uplift at joint 6.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 118 lb down and 5 lb up at 1-6-1, 118 lb down and 5 lb up at 1-6-1, 38 lb down and 85 lb up at 4-4-0, 38 lb down and 85 lb up at 4-4-0, and 50 lb down and 87 lb up at 7-1-15, and 50 lb down and 87 lb up at 7-1-15 on top chord, and 24 lb down and 9 lb up at 1-6-1, 24 lb down and 9 lb up at 1-6-1, 17 lb down and 16 lb up at 4-4-0, and 17 lb down and 16 lb up at 4-4-0, and 58 lb down and 88 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-5=-46, 2-8=-20, 6-7=-20
Concentrated Loads (lb)
Vert: 12=0, 13=-23, 16=-10, 17=-58

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	JGR46	Jack-Open Girder	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	0.36	Vert(LL)	0.02	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.03	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.12	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 35 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 8-7-12 oc bracing.

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

REACTIONS (lb/size) 2=376/0-10-7, (min. 0-1-8), 4=125/ Mechanical, (min. 0-1-8), 5=292/ Mechanical, (min. 0-1-8)
Max Horiz 2=257 (LC 4)
Max Uplift 2=-383 (LC 4), 4=-231 (LC 9), 5=-251 (LC 8)
Max Grav 2=376 (LC 1), 4=125 (LC 1), 5=295 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-477/340, 10-11=-452/349, 3-11=-415/344
BOT CHORD 2-13=-462/426, 13-14=-462/426, 6-14=-462/426, 6-15=-462/426, 5-15=-462/426
WEBS 3-5=-479/519

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; 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 231 lb uplift at joint 4, 383 lb uplift at joint 2 and 251 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 118 lb down and 5 lb up at 1-6-2, 41 lb down and 103 lb up at 4-4-0, 38 lb down and 85 lb up at 4-4-1, and 67 lb down and 164 lb up at 7-1-15, and 64 lb down and 142 lb up at 7-2-0 on top chord, and 24 lb down and 9 lb up at 1-6-1, 24 lb down and 9 lb up at 1-6-2, 11 lb down and 29 lb up at 4-4-0, 17 lb down and 16 lb up at 4-4-1, and 44 lb down and 27 lb up at 7-1-15, and 43 lb down and 18 lb up at 7-2-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-4=-46, 5-7=-20
Concentrated Loads (lb)
Vert: 11=-2, 12=-99, 14=-14, 15=-73

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	JGR47	Diagonal Hip Girder	2	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:17 — Page: 1

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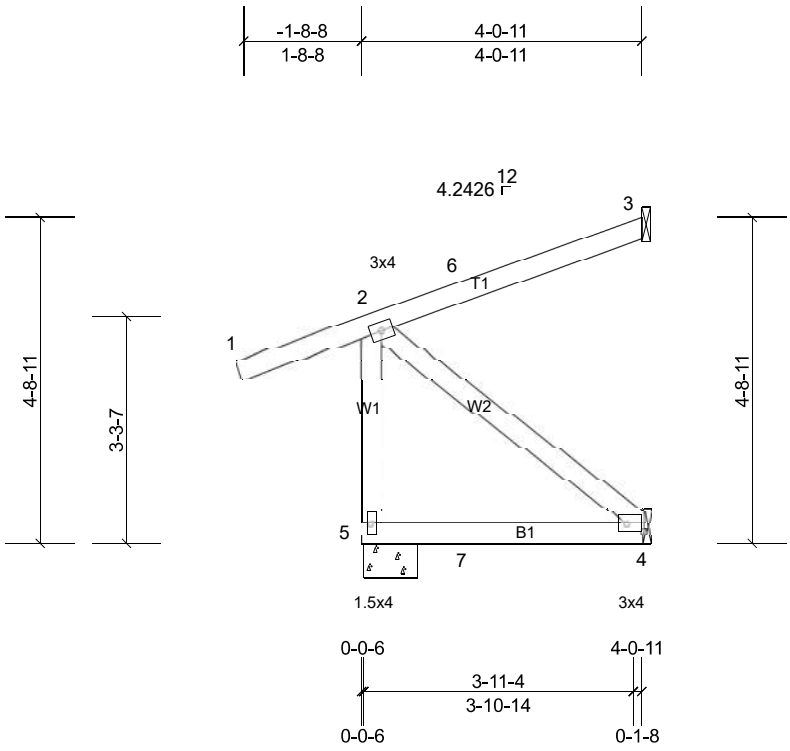


Plate Offsets (X, Y): [4:Edge,0-1-8]

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	0.40	Vert(LL)	0.06	4-5	>734	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	0.06	4-5	>839	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 26 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 3=47/ Mechanical, (min. 0-1-8), 4=37/ Mechanical, (min. 0-1-8), 5=192/0-9-5, (min. 0-1-8)
Max Horiz 5=207 (LC 5)
Max Uplift 3=-124 (LC 8), 4=-179 (LC 5), 5=-403 (LC 4)
Max Grav 3=47 (LC 1), 4=78 (LC 3), 5=192 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-158/253

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-0-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

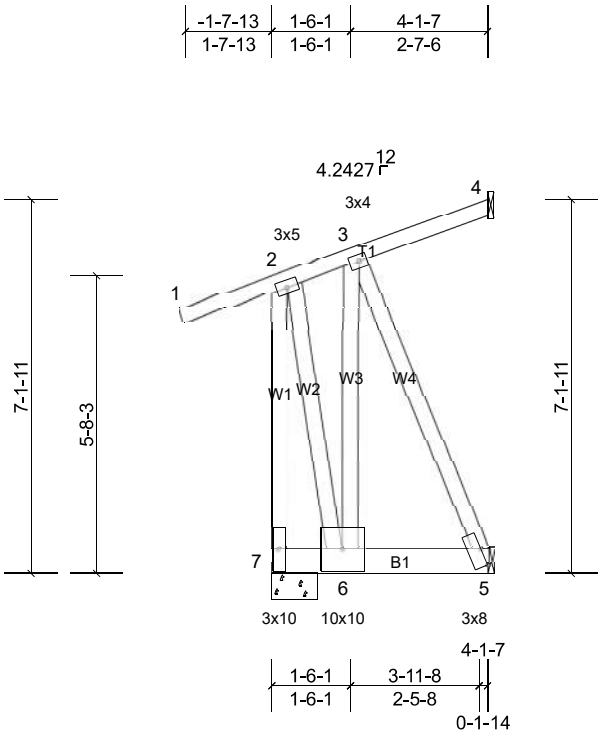
NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 403 lb uplift at joint 5, 124 lb uplift at joint 3 and 179 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 99 lb up at 1-5-5, and 99 lb up at 1-5-5 on top chord, and 130 lb up at 1-5-5, and 130 lb up at 1-5-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-2=-46, 2-3=-46, 4-5=-20
Concentrated Loads (lb)
Vert: 6=60, 7=8

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	JGR50	Diagonal Hip Girder	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	0.82	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	0.02	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	-0.04	4	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 51 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 4-1-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 4=53/ Mechanical, (min. 0-1-8), 5=34/ Mechanical, (min. 0-1-8), 7=192/0-10-7, (min. 0-2-0)
Max Horiz 7=294 (LC 5)
Max Uplift 4=-90 (LC 4), 5=-988 (LC 5), 7=-1662 (LC 4)
Max Grav 4=53 (LC 1), 5=748 (LC 12), 7=1717 (LC 26)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-1448/1417, 2-3=-358/378
BOT CHORD 5-6=-373/276
WEBS 3-5=-689/929, 3-6=-1060/547, 2-6=-1126/1509

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical left exposed; porch 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 1662 lb uplift at joint 7, 90 lb uplift at joint 4 and 988 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 153 lb down and 105 lb up at 1-6-0, and 153 lb down and 105 lb up at 1-6-1 on top chord, and 1044 lb down and 1173 lb up at 1-6-0, and 1044 lb down and 1173 lb up at 1-6-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-2=-46, 2-4=-46, 5-7=-20
Concentrated Loads (lb)
Vert: 3=64

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	JGR56	Diagonal Hip Girder	2	1	Job Reference (optional)

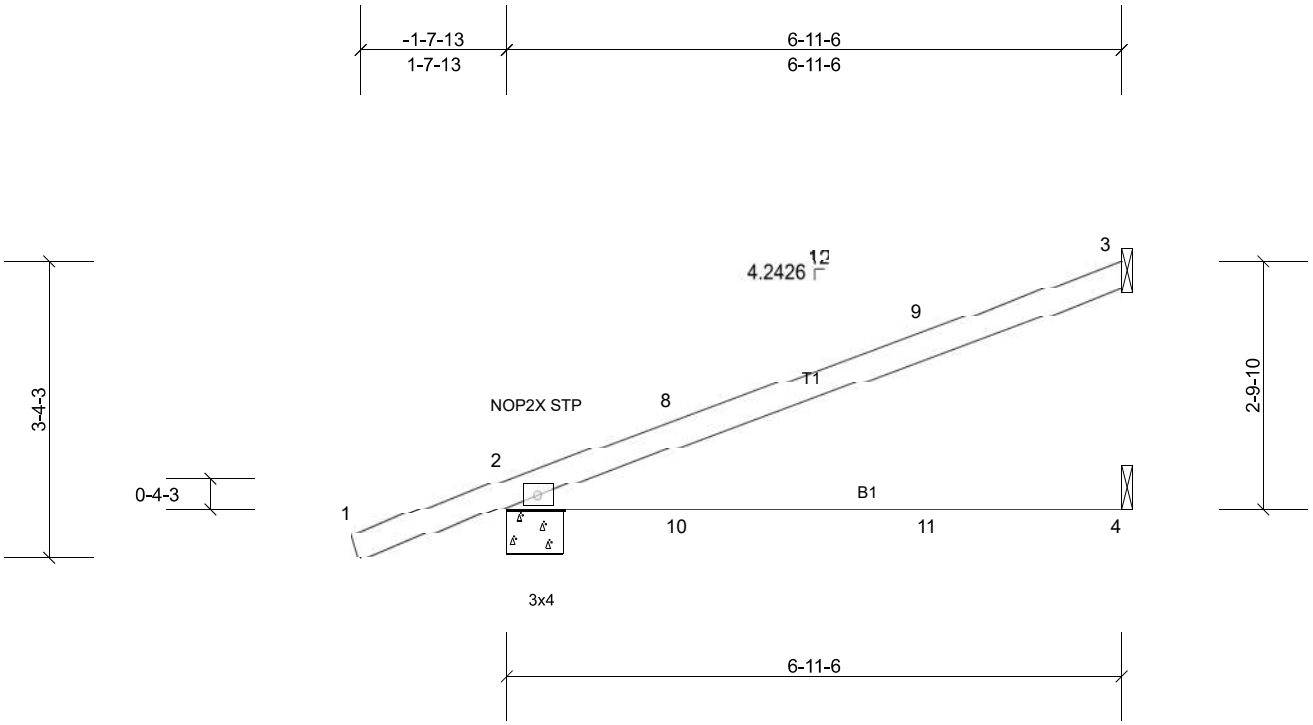


Plate Offsets (X, Y): [2:0-2-5,0-0-0]

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)	0.22	4-7	>381	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.21	4-7	>395	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 24 lb	FT = 0%

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

REACTIONS (lb/size) 2=320/0-7-10, (min. 0-1-8), 3=141/ Mechanical, (min. 0-1-8), 4=88/ Mechanical, (min. 0-1-8)
Max Horiz 2=230 (LC 4)
Max Uplift 2=-324 (LC 4), 3=-200 (LC 8), 4=-26 (LC 8)
Max Grav 2=320 (LC 1), 3=141 (LC 1), 4=124 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-295/23

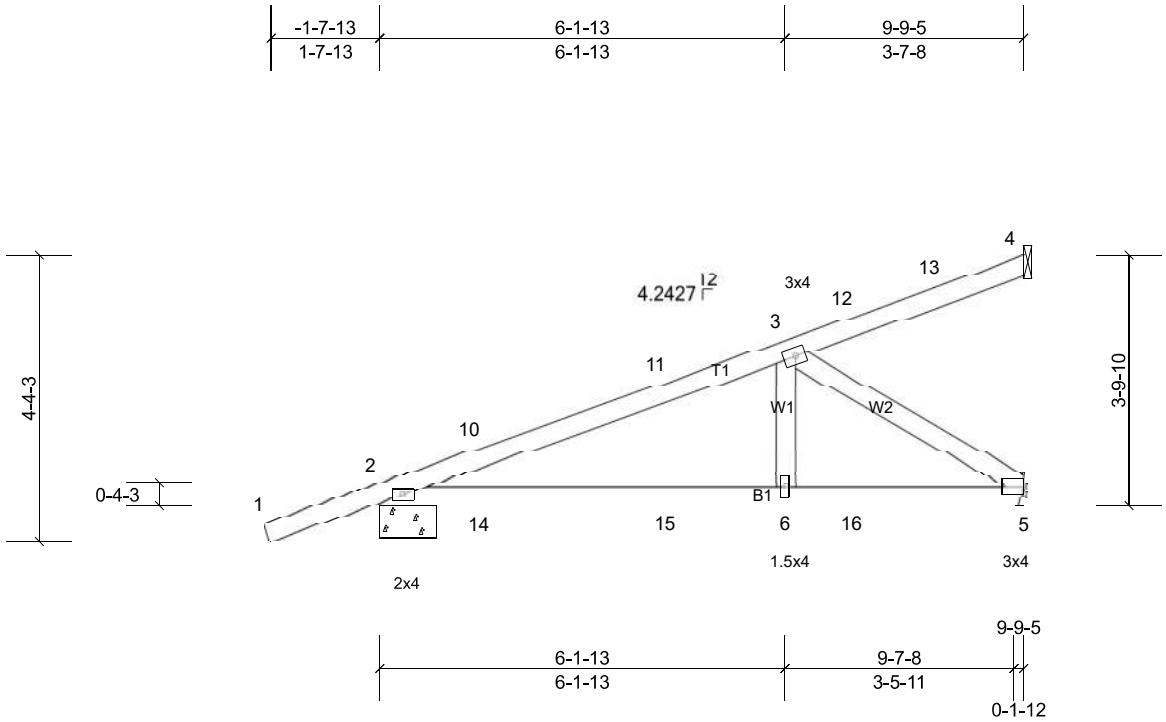
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 200 lb uplift at joint 3, 324 lb uplift at joint 2 and 26 lb uplift at joint 4.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 118 lb down and 5 lb up at 1-11-0, 118 lb down and 5 lb up at 1-11-0, and 39 lb down and 93 lb up at 4-8-15, and 38 lb down and 85 lb up at 4-8-15 on top chord, and 24 lb down and 9 lb up at 1-11-0, 24 lb down and 9 lb up at 1-11-0, and 11 lb down and 27 lb up at 4-8-15, and 17 lb down and 16 lb up at 4-8-15 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: 1-3=-46, 4-5=-20
Concentrated Loads (lb)
Vert: 9=-2, 11=-14

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	JGR76	Jack-Open Girder	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	0.42	Vert(LL)	0.09	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.08	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	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 6-10-12 oc bracing.

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

REACTIONS (lb/size) 2=475/0-10-7, (min. 0-1-8), 4=60/ Mechanical, (min. 0-1-8), 5=391/ Mechanical, (min. 0-1-8)
Max Horiz 2=292 (LC 4)
Max Uplift 2=-497 (LC 4), 4=-74 (LC 25), 5=-416 (LC 8)
Max Grav 2=475 (LC 1), 4=60 (LC 21), 5=391 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-645/543, 10-11=-619/548, 3-11=-577/557
BOT CHORD 2-14=-672/584, 14-15=-672/584, 6-15=-672/584, 6-16=-672/584, 5-16=-672/584
WEBS 3-5=-685/788, 3-6=-227/266

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; 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 74 lb uplift at joint 4, 497 lb uplift at joint 2 and 416 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 124 lb down and 54 lb up at 1-6-1, 118 lb down and 5 lb up at 1-6-1, 38 lb down and 85 lb up at 4-3-15, 122 lb down and 12 lb up at 4-4-0, and 69 lb down and 14 lb up at 7-1-15, and 64 lb down and 146 lb up at 7-1-14 on top chord, and 18 lb down and 5 lb up at 1-6-1, 24 lb down and 9 lb up at 1-6-1, 17 lb down and 16 lb up at 4-3-15, 34 lb down and 96 lb up at 4-4-0, and 70 lb down and 173 lb up at 7-1-15, and 34 lb down and 21 lb up at 7-1-14 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=-7, 12=-60, 14=0, 15=-39, 16=-99

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	JGRD04	Diagonal Hip Girder	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:18 — Page: 1

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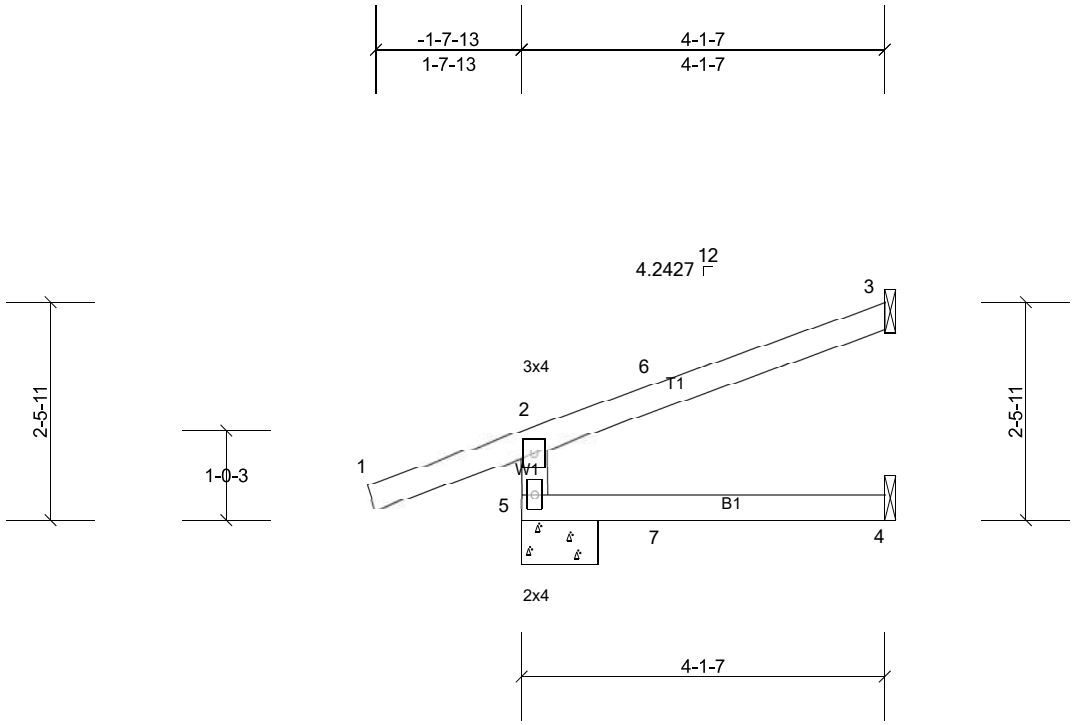

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	0.03	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MR							Weight: 16 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 3=59/ Mechanical, (min. 0-1-8), 4=33/ Mechanical, (min. 0-1-8), 5=200/0-10-7, (min. 0-1-8)
Max Horiz 5=138 (LC 4)
Max Uplift 3=-133 (LC 8), 4=-58 (LC 5), 5=-350 (LC 4)
Max Grav 3=59 (LC 18), 4=67 (LC 3), 5=200 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-1-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-155/311

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical left exposed; porch 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 350 lb uplift at joint 5, 133 lb uplift at joint 3 and 58 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 126 lb down and 86 lb up at 1-6-1, and 126 lb down and 86 lb up at 1-6-1 on top chord, and 58 lb down and 18 lb up at 1-6-1, and 58 lb down and 18 lb up at 1-6-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-2=-46, 2-3=-46, 4-5=-20
   Concentrated Loads (lb)
   Vert: 6=52

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	M51	Half Hip	1	1	Job Reference (optional)

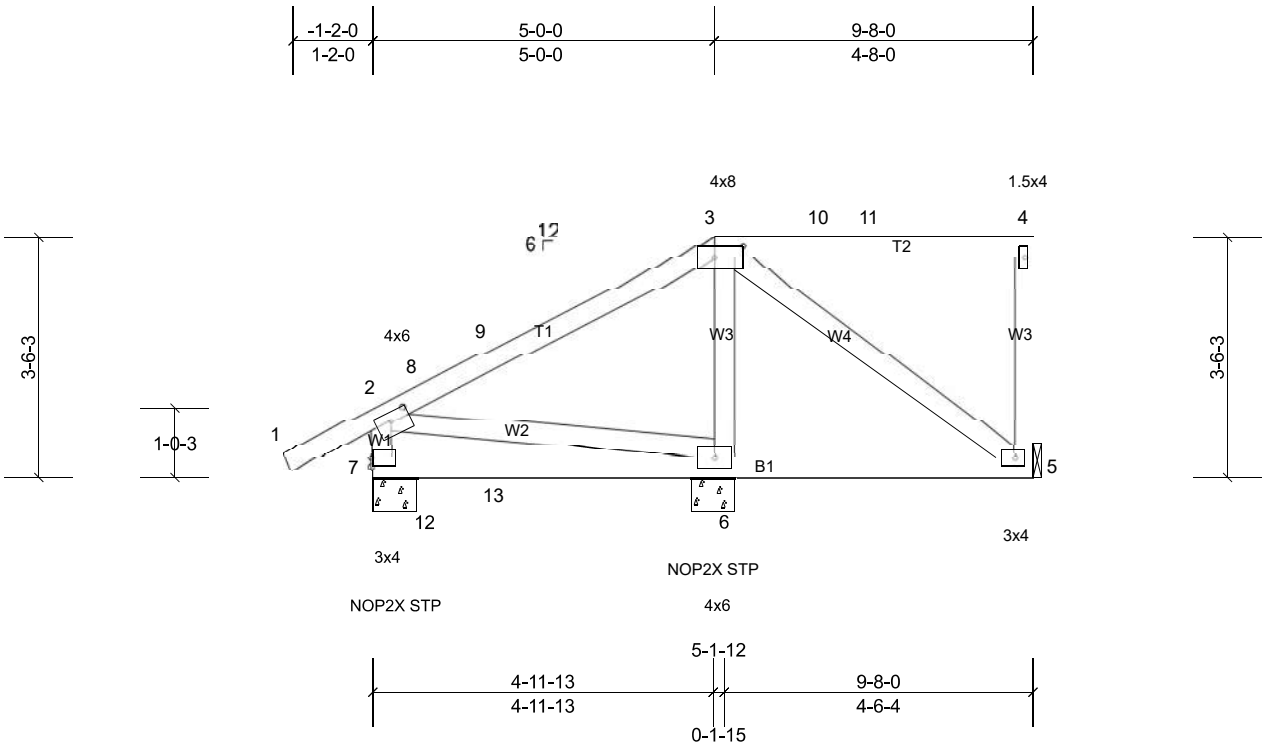

Plate Offsets (X, Y): [2:0-3-0,0-1-8], [3:0-5-0,0-2-0]

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)	0.09	6-7	>652	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	0.08	6-7	>714	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 56 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 5-11-2 oc bracing.

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

REACTIONS (lb/size) 5=154/ Mechanical, (min. 0-1-8), 6=282/0-7-10, (min. 0-1-8), 7=246/0-7-10, (min. 0-1-8)
Max Horiz 7=197 (LC 12)
Max Uplift 5=-158 (LC 9), 6=-211 (LC 9), 7=-199 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-202/367
BOT CHORD 7-12=-668/250, 12-13=-668/250, 6-13=-668/250
WEBS 2-6=-154/475

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 5-0-0, Zone3 5-0-0 to 9-6-4 zone; end vertical 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) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
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 199 lb uplift at joint 7, 211 lb uplift at joint 6 and 158 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	M52	Half Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:19 — Page: 1

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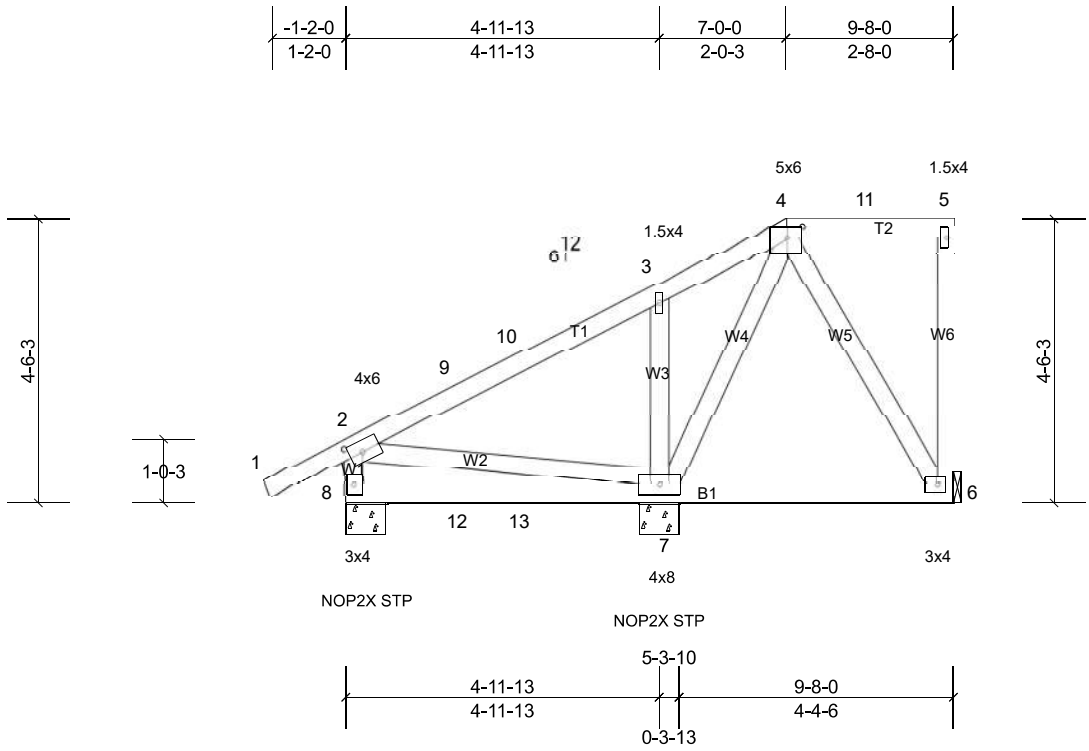

Plate Offsets (X, Y): [2:0-2-15,0-2-0], [4:0-3-0,0-2-0]

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	0.27	Vert(LL)	0.08	7-8	>738	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	0.07	7-8	>809	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 63 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 6=131/ Mechanical, (min. 0-1-8), 7=331/0-7-10, (min. 0-1-8), 8=220/0-7-10, (min. 0-1-8)
Max Horiz 8=268 (LC 12)
Max Uplift 6=-143 (LC 9), 7=-230 (LC 12), 8=-137 (LC 12)

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-5 oc bracing.

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

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

TOP CHORD	2-8=-177/304
BOT CHORD	8-12=-640/267, 12-13=-640/267, 7-13=-640/267
WEBS	2-7=-190/466, 3-7=-262/430

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 7-0-0, Zone3 7-0-0 to 9-6-4 zone; end vertical 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) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
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 143 lb uplift at joint 6, 137 lb uplift at joint 8 and 230 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	M53	Half Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:19 — Page: 1

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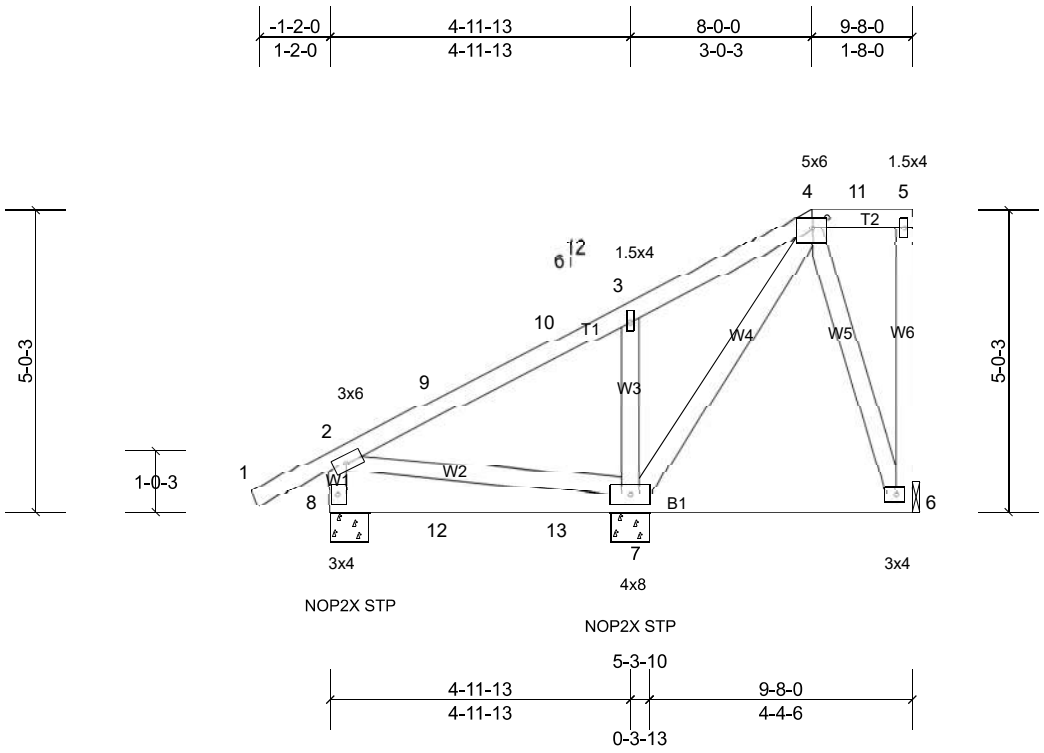

Plate Offsets (X, Y): [4:0-3-0,0-2-0]

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	0.27	Vert(LL)	0.08	7-8	>768	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	0.07	7-8	>844	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 66 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 6=127/ Mechanical, (min. 0-1-8), 7=339/0-7-10, (min. 0-1-8), 8=217/0-7-10, (min. 0-1-8)
Max Horiz 8=303 (LC 12)
Max Uplift 6=-165 (LC 12), 7=-245 (LC 12), 8=-120 (LC 9)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-4-2 oc bracing.

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

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

TOP CHORD	2-8=-174/277
BOT CHORD	8-12=-644/281, 12-13=-644/281, 7-13=-644/281
WEBS	2-7=-205/476, 3-7=-280/445, 4-6=-122/273

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-9-3, Zone1 1-9-3 to 8-0-0, Zone3 8-0-0 to 9-6-4 zone; end vertical 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) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
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 165 lb uplift at joint 6, 120 lb uplift at joint 8 and 245 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	MGR40	Monopitch Girder	1	1	Job Reference (optional)

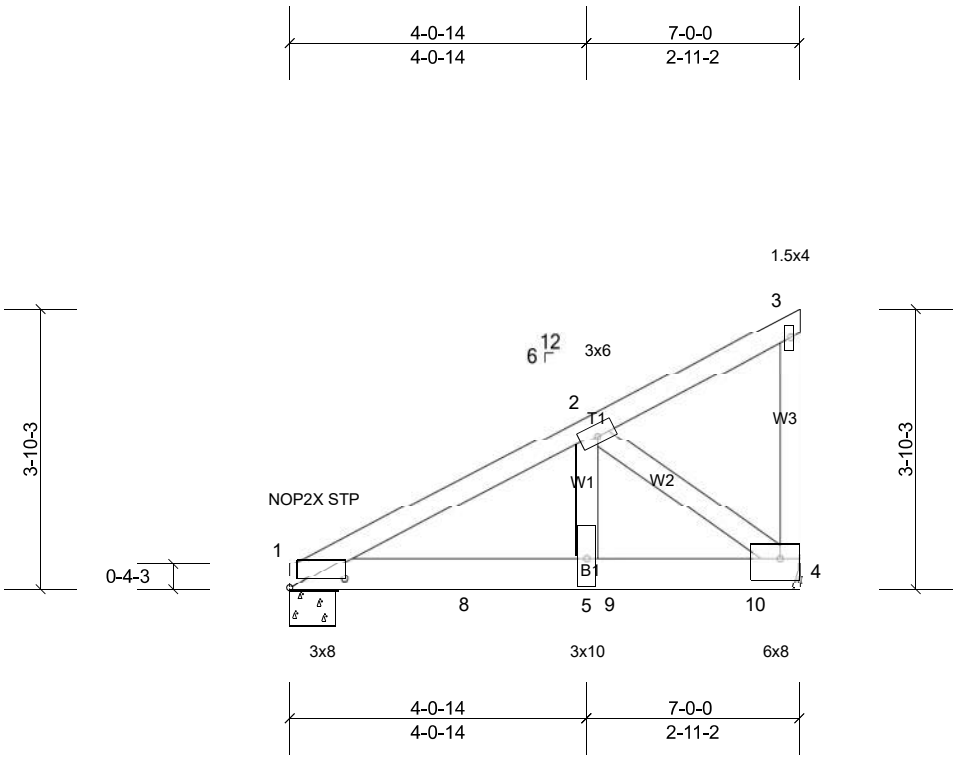

Plate Offsets (X, Y): [1:0-9-4,0-1-9], [4:Edge,0-2-0]

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	0.30	Vert(LL)	0.05	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.05	5-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	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 4-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-12 oc bracing.

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

REACTIONS (lb/size) 1=866/0-7-10, (min. 0-1-8), 4=1374/ Mechanical, (min. 0-1-8)
Max Horiz 1=244 (LC 23)
Max Uplift 1=-537 (LC 8), 4=-990 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1358/790
BOT CHORD 1-8=-871/1178, 5-8=-871/1178, 5-9=-871/1178, 9-10=-871/1178, 4-10=-871/1178
WEBS 2-4=-1449/1071, 2-5=-752/1237

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 537 lb uplift at joint 1 and 990 lb uplift at joint 4.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 594 lb down and 394 lb up at 2-4-12, and 594 lb down and 394 lb up at 4-4-12, and 600 lb down and 391 lb up at 6-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-46, 1-4=-20
Concentrated Loads (lb)
Vert: 8=-594, 9=-594, 10=-600

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	MGR46	Half Hip Girder	2	1	Job Reference (optional)

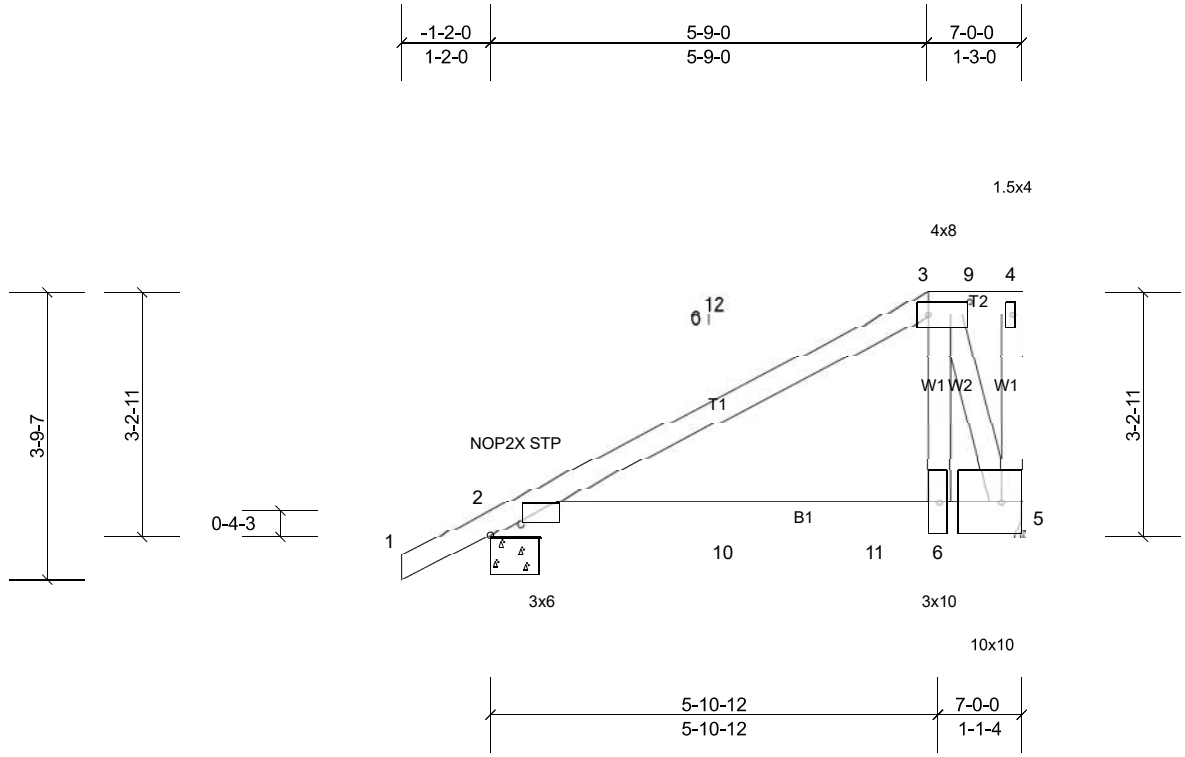

Plate Offsets (X, Y): [2:0-5-0,0-2-1], [3:0-6-8,0-2-0]

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	0.56	Vert(LL)	0.15	6-8	>541	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	0.13	6-8	>658	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 41 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-9 oc bracing.

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

REACTIONS (lb/size) 2=690/0-7-10, (min. 0-1-8), 5=820/ Mechanical, (min. 0-1-8)
Max Horiz 2=241 (LC 27)
Max Uplift 2=-626 (LC 8), 5=-941 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-538/496
BOT CHORD 2-10=-520/424, 10-11=-520/424, 6-11=-520/424, 5-6=-592/489
WEBS 3-6=-1409/1267, 3-5=-1352/1637

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) 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) * 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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 626 lb uplift at joint 2 and 941 lb uplift at joint 5.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 92 lb down and 210 lb up at 5-9-0 on top chord, and 171 lb down at 1-1-13, 325 lb down and 639 lb up at 3-0-12, and 199 lb down and 133 lb up at 5-0-12, and 267 lb down and 266 lb up at 5-9-1 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: 1-3=-46, 3-4=-46, 2-5=-20
Concentrated Loads (lb)
Vert: 6=-267, 3=-69, 8=-144, 10=-325, 11=-199

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	MGR50	Half Hip Girder	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:20 — Page: 1

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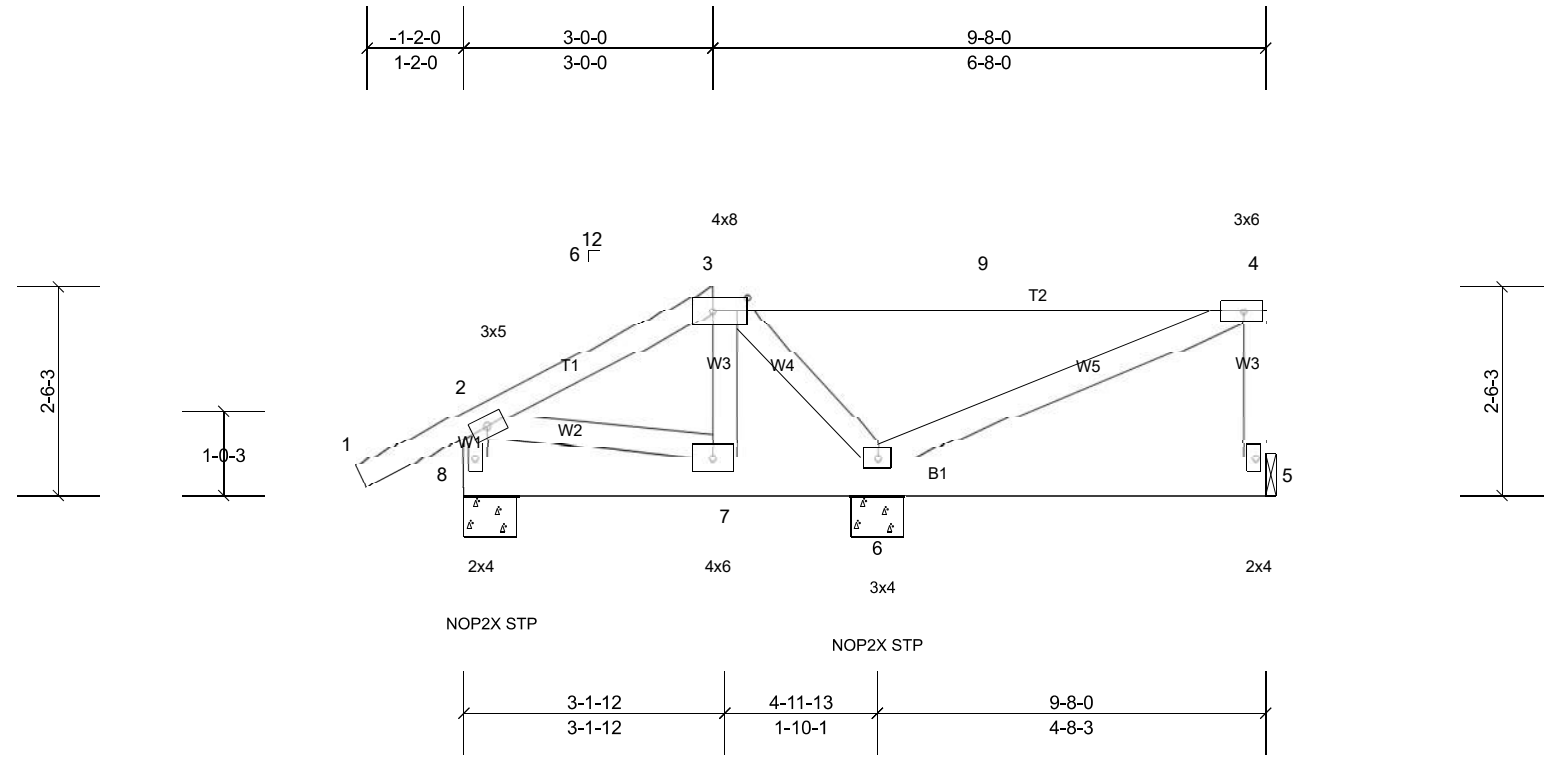


Plate Offsets (X, Y): [3:0-5-0,0-2-0]

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	0.49	Vert(LL)	0.00	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 60 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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 5=161/ Mechanical, (min. 0-1-8), 6=289/0-7-10, (min. 0-1-8), 8=249/0-7-10, (min. 0-1-8)
Max Horiz 8=128 (LC 23)
Max Uplift 5=-163 (LC 22), 6=-349 (LC 5), 8=-281 (LC 8)
Max Grav 5=161 (LC 1), 6=291 (LC 3), 8=249 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-172/264, 2-8=-211/284
BOT CHORD 6-7=-280/135
WEBS 3-6=-220/434, 2-7=-265/156

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
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 163 lb uplift at joint 5, 281 lb uplift at joint 8 and 349 lb uplift at joint 6.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 183 lb down and 213 lb up at 3-0-0 on top chord, and 97 lb down and 131 lb up at 3-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 1-2=-46, 2-3=-46, 3-4=-46, 5-8=-20
   Concentrated Loads (lb)
   Vert: 3=-8, 7=-10

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	MGR54	Half Hip Girder	1	1	Job Reference (optional)

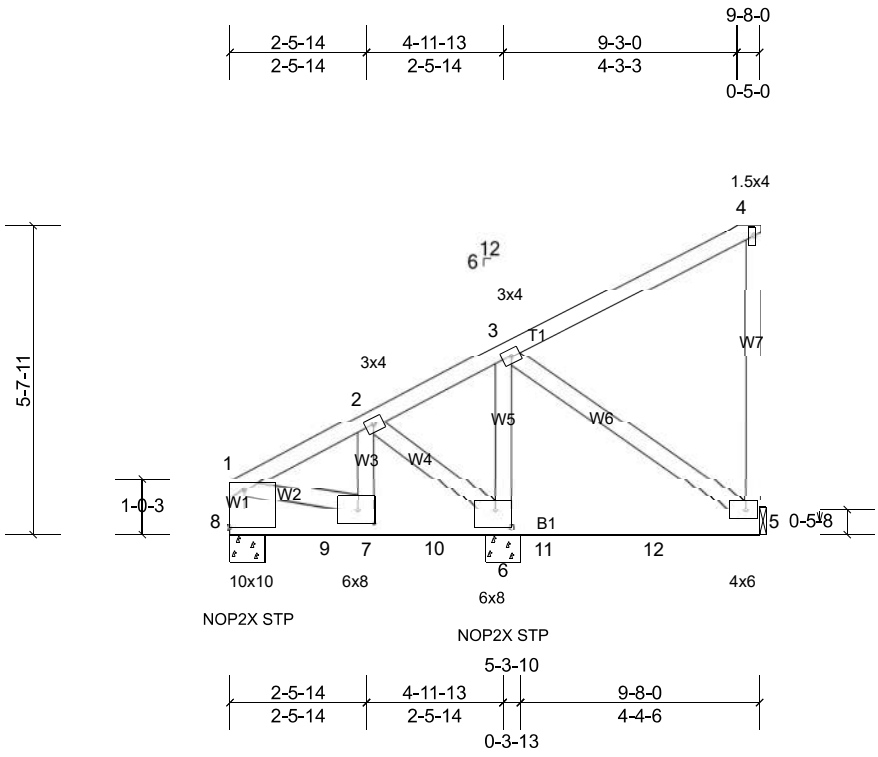


Plate Offsets (X, Y): [6:0-3-8,0-4-0], [7:0-3-8,0-3-0], [8:Edge,0-8-8]

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	0.41	Vert(LL)	0.03	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	0.03	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 68 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

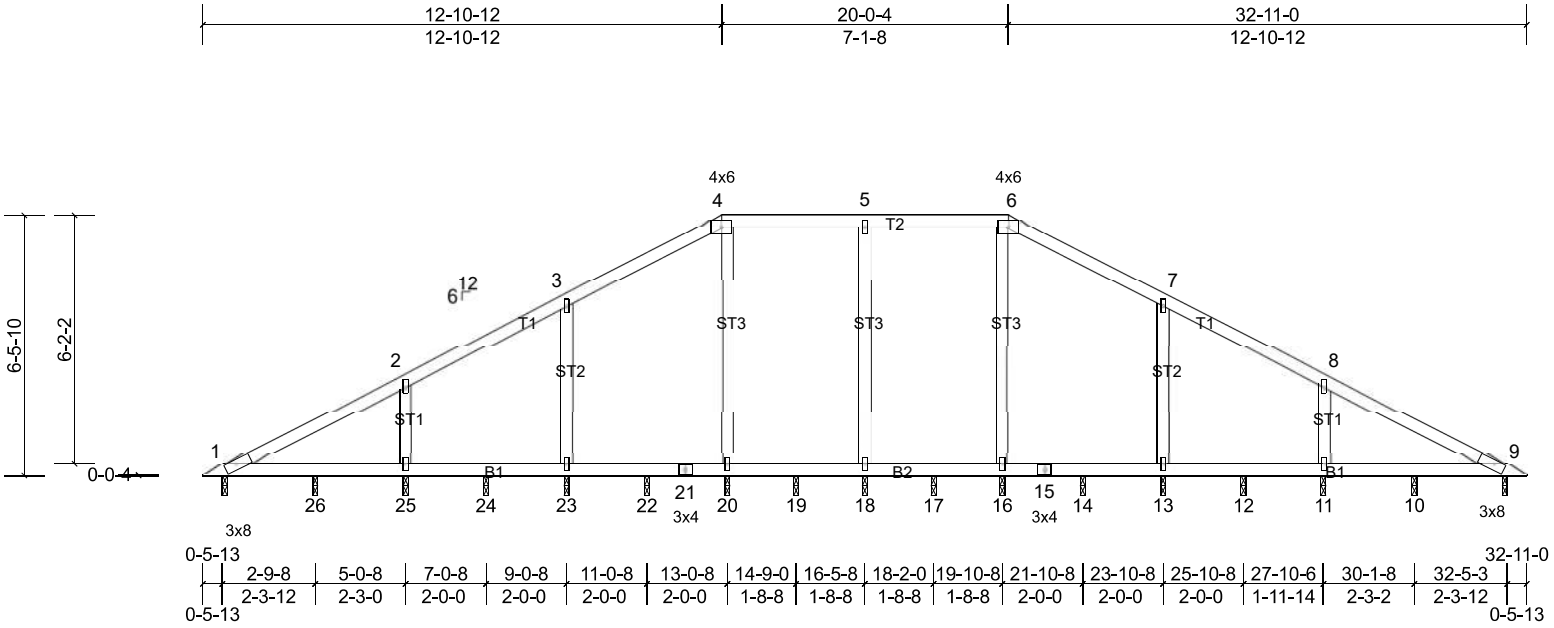
REACTIONS (lb/size) 5=174/ Mechanical, (min. 0-1-8), 6=1013/0-7-10, (min. 0-1-8), 8=416/0-7-12, (min. 0-1-8)
Max Horiz 8=316 (LC 8)
Max Uplift 5=-193 (LC 27), 6=-1812 (LC 8), 8=-1325 (LC 5)
Max Grav 5=174 (LC 1), 6=1260 (LC 15), 8=868 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-709/1041, 2-3=-338/128, 1-8=-468/701
BOT CHORD 8-9=-605/199, 7-9=-605/199, 7-10=-1174/581, 6-10=-1174/581
WEBS 3-6=-284/464, 3-5=-200/272, 2-7=-1473/840, 2-6=-832/1552, 1-7=-673/472

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
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 193 lb uplift at joint 5, 1325 lb uplift at joint 8 and 1812 lb uplift at joint 6.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1381 lb down and 2030 lb up at 1-8-12, 341 lb down and 388 lb up at 3-8-12, and 196 lb down and 202 lb up at 5-8-12, and 193 lb down and 202 lb up at 7-8-12 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: 1-4=-46, 5-8=-20
Concentrated Loads (lb)
Vert: 9=-365, 10=-341, 11=-139, 12=-139

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	PB01	Hip 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	0.27	Vert(LL)	0.01	26-28	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	0.01	26-28	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 145 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.

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

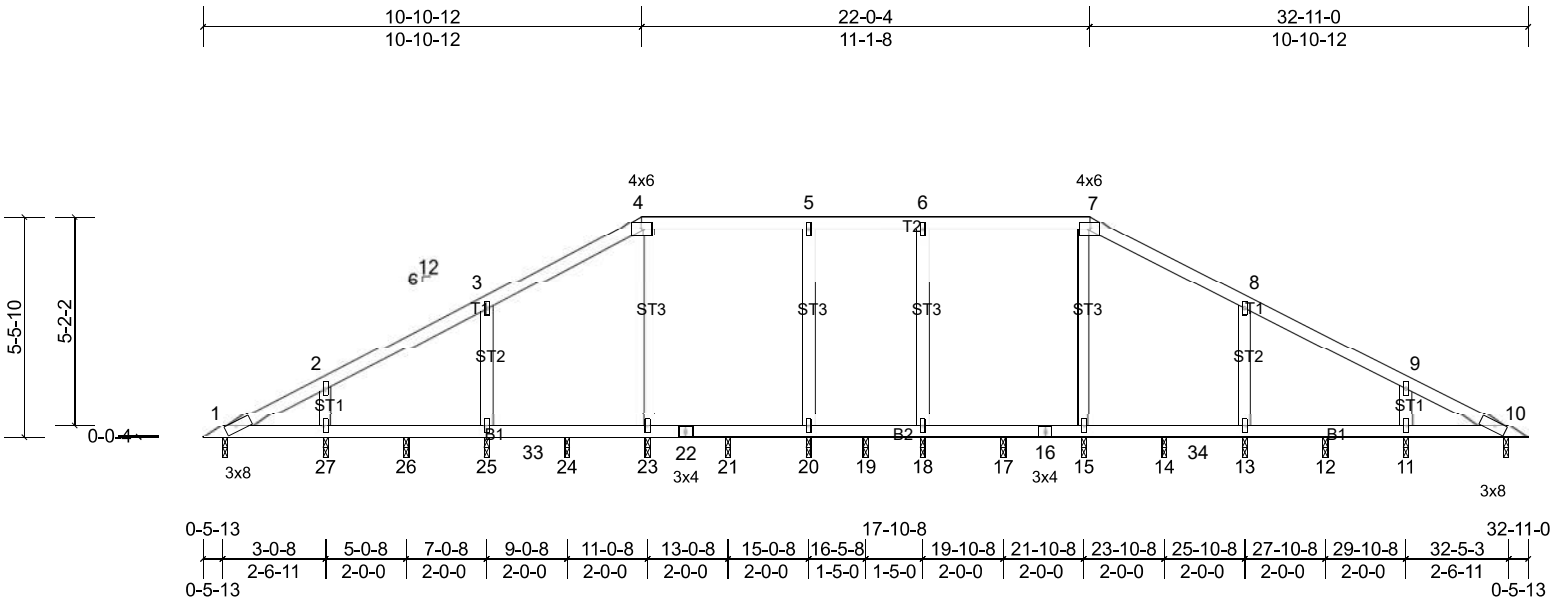
REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=-123 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9, 10, 16, 20, 26 except 11=-175 (LC 13), 13=-199 (LC 13), 18=-146 (LC 9), 23=-199 (LC 12), 25=-178 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 9, 10, 11, 12, 14, 16, 17, 18, 19, 20, 22, 24, 25, 26 except 13=261 (LC 20), 23=261 (LC 19)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-119/341, 4-5=-116/373, 5-6=-116/373, 6-7=-119/341
WEBS 3-23=-199/431, 2-25=-201/430, 7-13=-199/432, 8-11=-199/426, 5-18=-186/310

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C 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 4-0-0 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 9, 26, 25, 24, 23, 22, 20, 19, 18, 17, 16, 14, 13, 12, 11, 10.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 26, 20, 16, 10 except (jt=lb) 25=177, 23=198, 18=145, 13=199, 11=175.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	PB02	Hip Supported Gable	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	0.27	Vert(LL)	0.00	28	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	27-28	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 141 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.

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

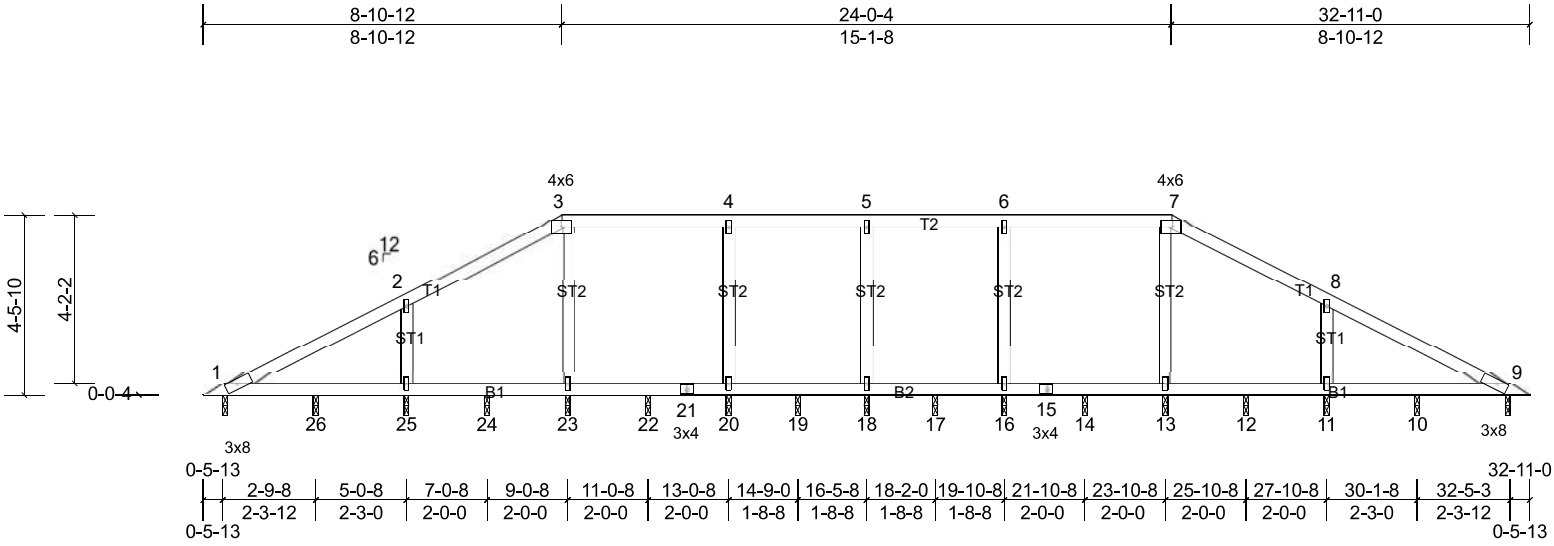
REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=103 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 15, 23 except 11=-161 (LC 13), 13=-209 (LC 13), 18=-131 (LC 9), 20=-131 (LC 8), 25=-209 (LC 12), 27=-161 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 10, 11, 12, 14, 15, 17, 18, 19, 20, 21, 23, 24, 26, 27 except 13=255 (LC 20), 25=255 (LC 19)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-98/269, 4-5=-96/307, 5-6=-96/308, 6-7=-96/307, 7-8=-98/269
WEBS 5-20=-170/290, 3-25=-204/444, 2-27=-171/355, 6-18=-170/290, 8-13=-204/444, 9-11=-171/355

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C 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 4-0-0 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 10, 27, 26, 25, 24, 23, 21, 20, 19, 18, 17, 15, 14, 13, 12, 11.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 23, 15 except (jt=lb) 27=160, 25=208, 20=130, 18=130, 13=208, 11=160.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	PB03	Hip Supported Gable	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	0.27	Vert(LL)	0.01	26-28	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	0.01	26-28	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 134 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.

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

REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=-83 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9, 10, 13, 23, 26 except 11=-192 (LC 13), 16=-153 (LC 9), 18=-101 (LC 8), 20=-153 (LC 8), 25=-194 (LC 12)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 9, 10, 11, 12, 13, 14, 17, 18, 19, 22, 23, 24, 25, 26 except 16=255 (LC 27), 20=255 (LC 28)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-20=-196/337, 2-25=-211/453, 6-16=-196/336, 8-11=-209/449

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C 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 4-0-0 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 9, 26, 25, 24, 23, 22, 20, 19, 18, 17, 16, 14, 13, 12, 11, 10.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 26, 23, 13, 10 except (jt=lb) 25=193, 20=153, 18=101, 16=153, 11=191.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	PB04	Hip Supported Gable	2	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.81 S Aug 19 2024 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:22 — Page: 1

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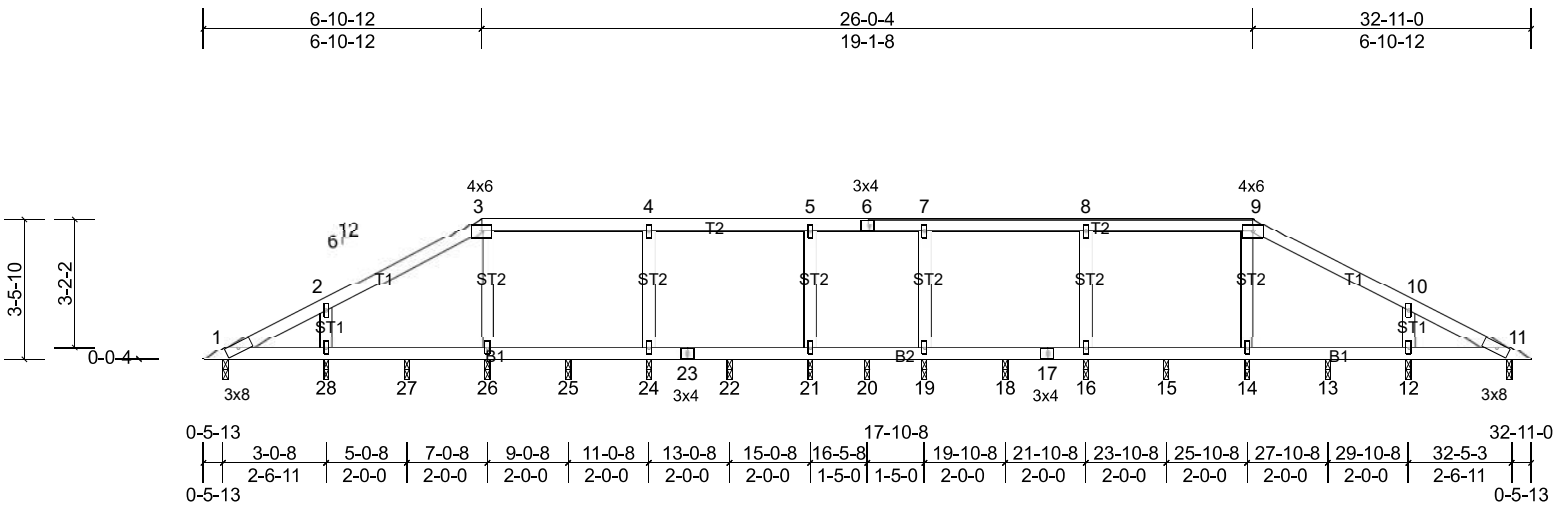

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	0.00	29	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	28-29	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 127 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.

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

REACTIONS All bearings 0-1-8.

(lb) - Max Horiz 1=-63 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 14, 26 except 12=-177 (LC 13), 16=-165 (LC 9), 19=-112 (LC 8), 21=-112 (LC 9), 24=-165 (LC 8), 28=-177 (LC 12)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 25, 26, 27, 28 except 16=251 (LC 25), 24=251 (LC 26)

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

WEBS 4-24=-211/361, 5-21=-149/264, 2-28=-184/386, 8-16=-211/361, 7-19=-149/264, 10-12=-184/386

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C 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 4-0-0 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, 11, 28, 27, 26, 25, 24, 22, 21, 20, 19, 18, 16, 15, 14, 13, 12.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 26, 14 except (jt=lb) 28=177, 24=164, 21=112, 19=112, 16=164, 12=176.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	PB05	Hip Supported Gable	2	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.81 S Aug 19 2024 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:22 — Page: 1

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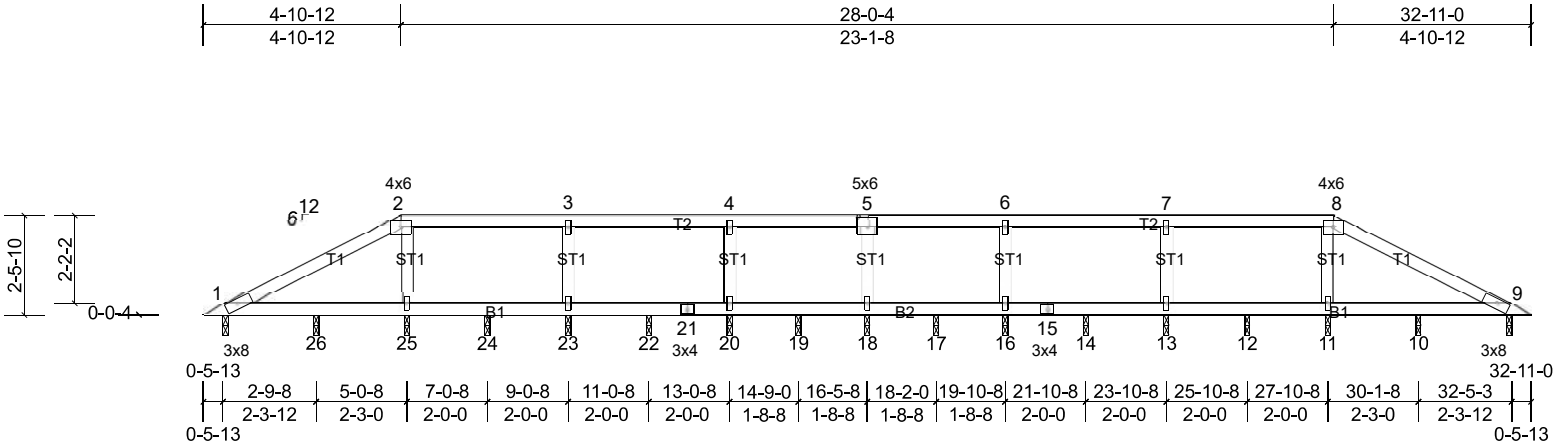


Plate Offsets (X, Y): [5:0-3-0,0-3-0]

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	0.21	Vert(LL)	0.01	26-27	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	0.01	26-27	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 117 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, Except: 10-0-0 oc bracing: 1-26,25-26,10-11,9-10.

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

REACTIONS All bearings 0-1-8.

(lb) - Max Horiz 1=43 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9, 10, 11, 25, 26 except 13=-161 (LC 9), 16=-128 (LC 8), 18=-116 (LC 9), 20=-128 (LC 9), 23=-161 (LC 8)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26

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

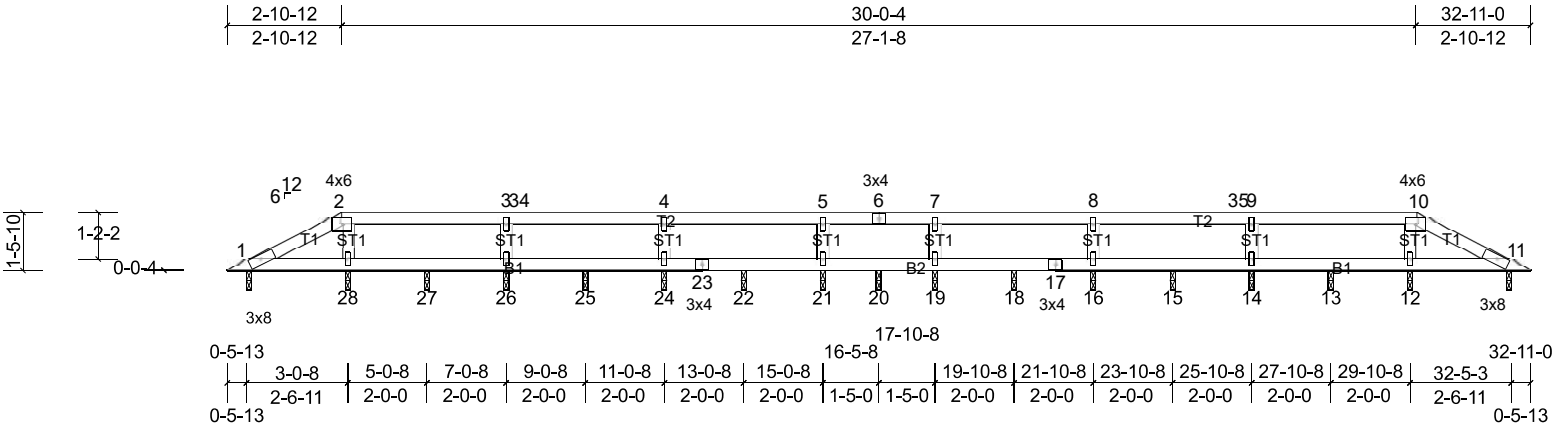
WEBS 2-25=-167/282, 3-23=-207/355, 4-20=-168/298, 8-11=-167/282, 7-13=-207/355, 6-16=-168/298, 5-18=-152/268

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C 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 4-0-0 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, 9, 26, 25, 24, 23, 22, 20, 19, 18, 17, 16, 14, 13, 12, 11, 10.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 26, 25, 11, 10 except (jt=lb) 23=161, 20=127, 18=115, 16=127, 13=161.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	PB06	Hip Supported Gable	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	0.14	Vert(LL)	0.00	28-30	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	28-30	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	11	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
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, Except:
10-0-0 oc bracing: 1-28,11-12.

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

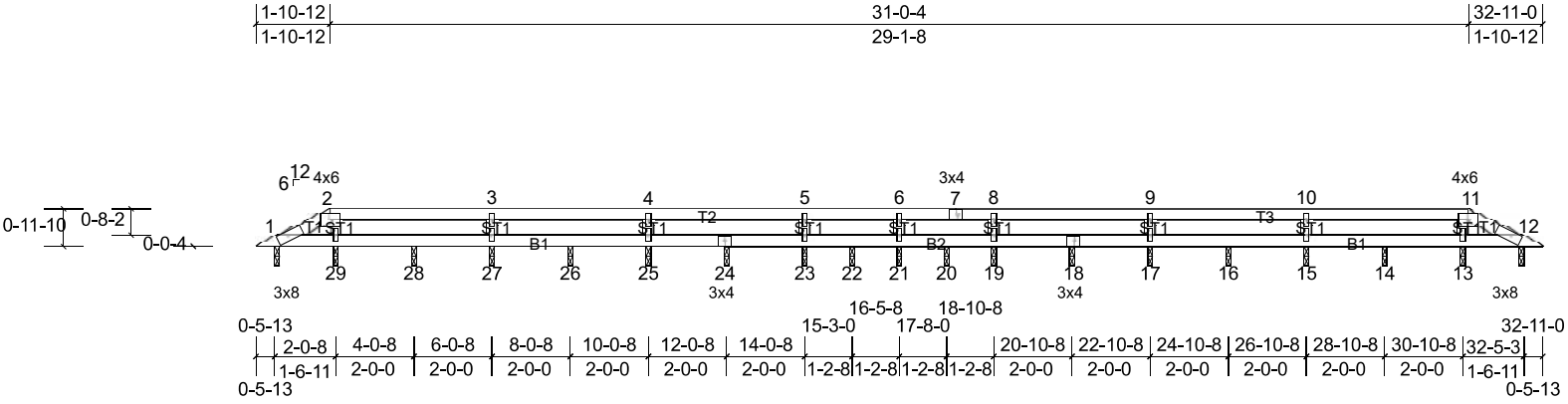
REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=-24 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 11, 12, 28 except 14=-157 (LC 9), 16=-142 (LC 8), 19=-116 (LC 9), 21=-116 (LC 8), 24=-142 (LC 9), 26=-157 (LC 8)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28

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=160mph (3-second gust) Vasd=124mph; 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 4-0-0 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, 11, 28, 27, 26, 25, 24, 22, 21, 20, 19, 18, 16, 15, 13, 14, 12.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 28, 12 except (jt=lb) 26=156, 24=142, 21=115, 19=115, 16=142, 14=156.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	PB07	Hip Supported Gable	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)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	23-24	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 102 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, Except:
10-0-0 oc bracing: 1-29,12-13.

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

REACTIONS All bearings 0-1-8.
(lb) - Max Horiz 1=-13 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 12, 13, 21, 29 except 15=-156 (LC 8), 17=-142 (LC 8), 19=-123 (LC 9), 23=-123 (LC 8), 25=-142 (LC 9), 27=-156 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-27=-201/355, 4-25=-184/327, 5-23=-161/285, 10-15=-201/355, 9-17=-184/327, 8-19=-161/285

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C 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 4-0-0 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, 12, 18, 24, 29, 28, 27, 26, 25, 23, 22, 21, 20, 19, 17, 16, 15, 14, 13.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 12, 29, 21, 13 except (jt=lb) 27=155, 25=141, 23=123, 19=123, 17=141, 15=155.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	T09TB	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:23 — Page: 1

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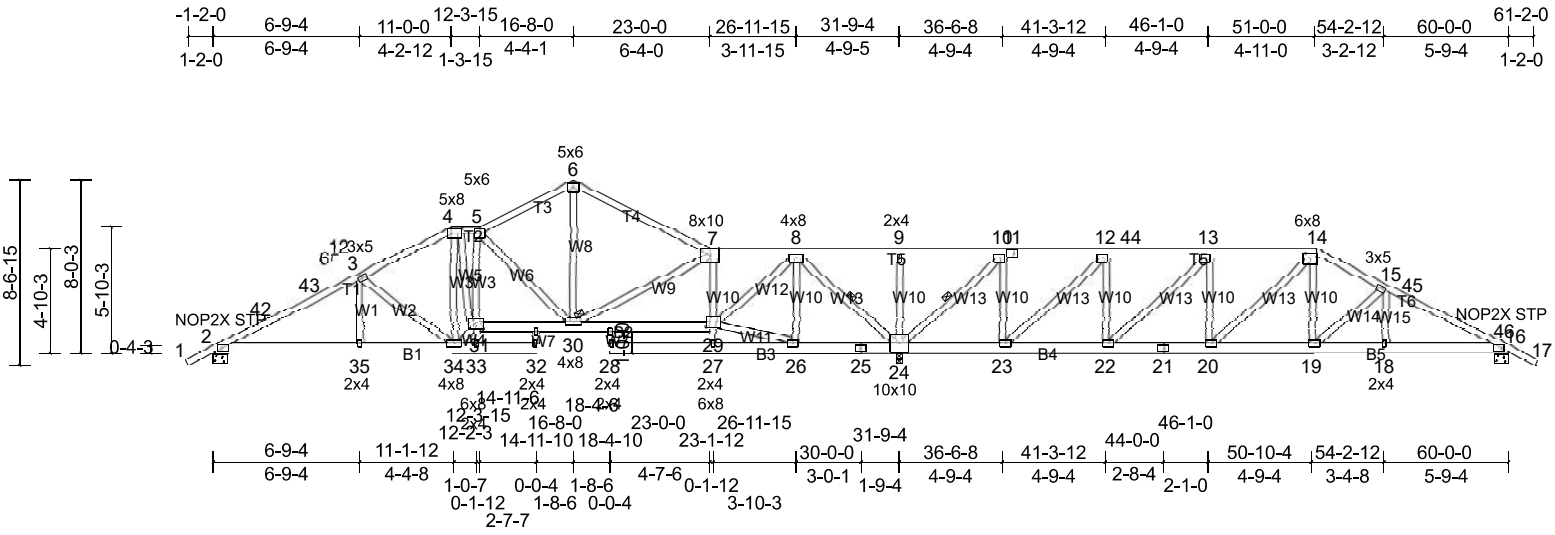

Plate Offsets (X, Y): [4:0-6-0,0-2-8], [14:0-2-12,0-3-0], [29:0-5-8,0-3-0], [31:0-5-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.20	28	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.42	28	>903	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.06	16	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 453 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 2=902/0-7-10, (min. 0-1-8), 16=688/0-7-10, (min. 0-1-8), 24=2631/0-3-8, (min. 0-3-2)
Max Horiz 2=-255 (LC 13)
Max Uplift 2=-591 (LC 12), 16=-636 (LC 13), 24=-1581 (LC 13)
Max Grav 2=902 (LC 1), 16=733 (LC 26), 24=2631 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-24, 10-24
JOINTS	1 Brace at Jt(s): 30

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

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

TOP CHORD 2-42=-1524/1041, 42-43=-1469/1046, 3-43=-1444/1057, 3-4=-1141/875, 4-5=-1213/897, 5-6=-851/707, 6-7=-890/639, 7-8=-507/325, 8-9=-912/1862, 9-10=-912/1862, 10-11=-277/761, 11-12=-277/761, 12-44=-271/577, 13-44=-271/577, 13-14=-710/863, 14-15=-889/890, 15-45=-1100/1026, 16-45=-1191/1017, 16-46=-1100/824, 16-46=-1116/821

BOT CHORD 2-35=-875/1314, 34-35=-875/1314, 25-26=-616/588, 24-25=-616/588, 23-24=-774/636, 22-23=-380/271, 21-22=-534/708, 20-21=-534/708, 19-20=-483/768, 18-19=-757/1023, 16-18=-757/1023, 30-31=-607/1220, 29-30=-16/532

WEBS 3-35=-18/261, 3-34=-465/510, 4-34=-479/146, 27-29=0/403, 7-29=-763/713, 14-19=-207/324, 15-19=-376/427, 4-31=-355/914, 5-30=-694/596, 7-30=-248/315, 9-24=-266/332, 8-24=-1733/1015, 8-29=-641/1365, 26-29=-642/606, 14-20=-263/131, 10-23=-446/824, 10-24=-1513/1055, 12-23=-1128/764, 12-22=-272/588, 31-34=-654/1193, 6-30=-224/624, 13-20=-32/316, 13-22=-660/483

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 11-0-0, Zone3 11-0-0 to 12-3-15, Zone1 12-3-15 to 16-8-0, Zone3 16-8-0 to 23-0-0, Zone1 23-0-0 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) All plates are 4x6 MT20 unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 591 lb uplift at joint 2, 636 lb uplift at joint 16 and 1581 lb uplift at joint 24.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	T11TB	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:24 — Page: 1

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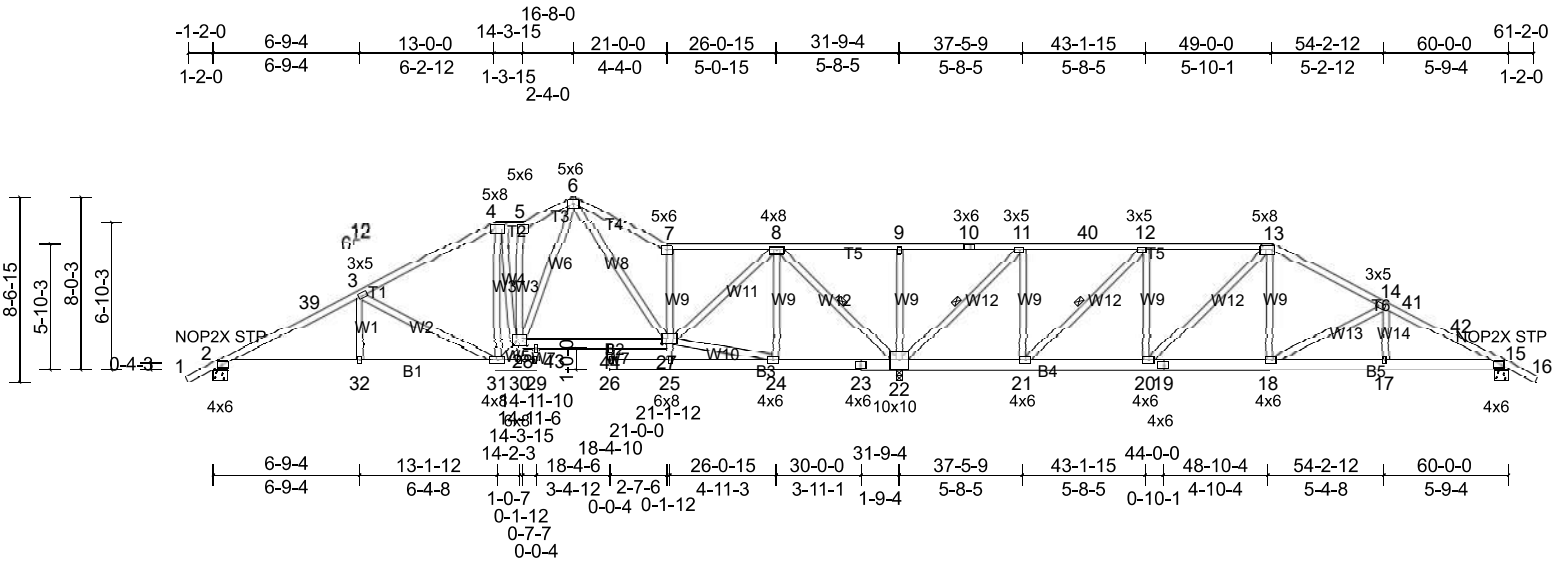


Plate Offsets (X, Y): [4:0-6-0,0-2-8], [13:0-6-0,0-2-8], [27:0-2-8,0-3-0], [28:0-2-4,0-3-12]

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	0.62	Vert(LL)	0.12	29	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.20	27-28	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.06	15	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 431 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 4-3-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-22, 11-22, 12-21

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

REACTIONS (lb/size) 2=876/0-7-10, (min. 0-1-8), 15=701/0-7-10, (min. 0-1-8), 22=2562/0-3-8, (min. 0-3-7)
Max Horiz 2=-255 (LC 13)
Max Uplift 2=-598 (LC 12), 15=-614 (LC 13), 22=-1650 (LC 13)
Max Grav 2=979 (LC 2), 15=782 (LC 28), 22=2900 (LC 2)

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

TOP CHORD 2-39=-1668/999, 3-39=-1588/1011, 3-4=-1105/739, 4-5=-1057/741, 5-6=-1184/846, 6-7=-832/586, 7-8=-713/423, 8-9=-764/1644, 9-10=-764/1644, 10-11=-764/1644, 11-40=-199/517, 12-40=-199/517, 12-13=-440/591, 13-14=-809/737, 14-41=-1213/984, 41-42=-1254/974, 15-42=-1279/972

BOT CHORD 2-32=-904/1488, 31-32=-904/1488, 23-24=-348/507, 22-23=-348/507, 21-22=-486/547, 20-21=-233/440, 19-20=-309/691, 18-19=-309/691, 17-18=-727/1122, 15-17=-727/1122, 28-43=-226/815, 43-44=-226/815, 27-44=-226/815

WEBS 3-32=0/297, 3-31=-600/583, 4-31=-317/138, 7-27=-518/543, 13-18=-174/421, 14-18=-507/527, 4-28=-98/546, 5-28=-487/361, 6-28=-577/861, 9-22=-271/364, 8-22=-1873/998, 8-27=-623/1341, 24-27=-374/503, 13-20=-456/325, 11-21=-419/915, 11-22=-1620/1043, 12-21=-1076/721, 12-20=-157/520, 28-31=-498/1231

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 4-9-3, Zone1 4-9-3 to 13-0-0, Zone3 13-0-0 to 14-3-15, Zone1 14-3-15 to 16-8-0, Zone3 16-8-0 to 21-0-0, Zone1 21-0-0 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 MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 598 lb uplift at joint 2, 614 lb uplift at joint 15 and 1650 lb uplift at joint 22.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	T40B	Common	4	1	Job Reference (optional)

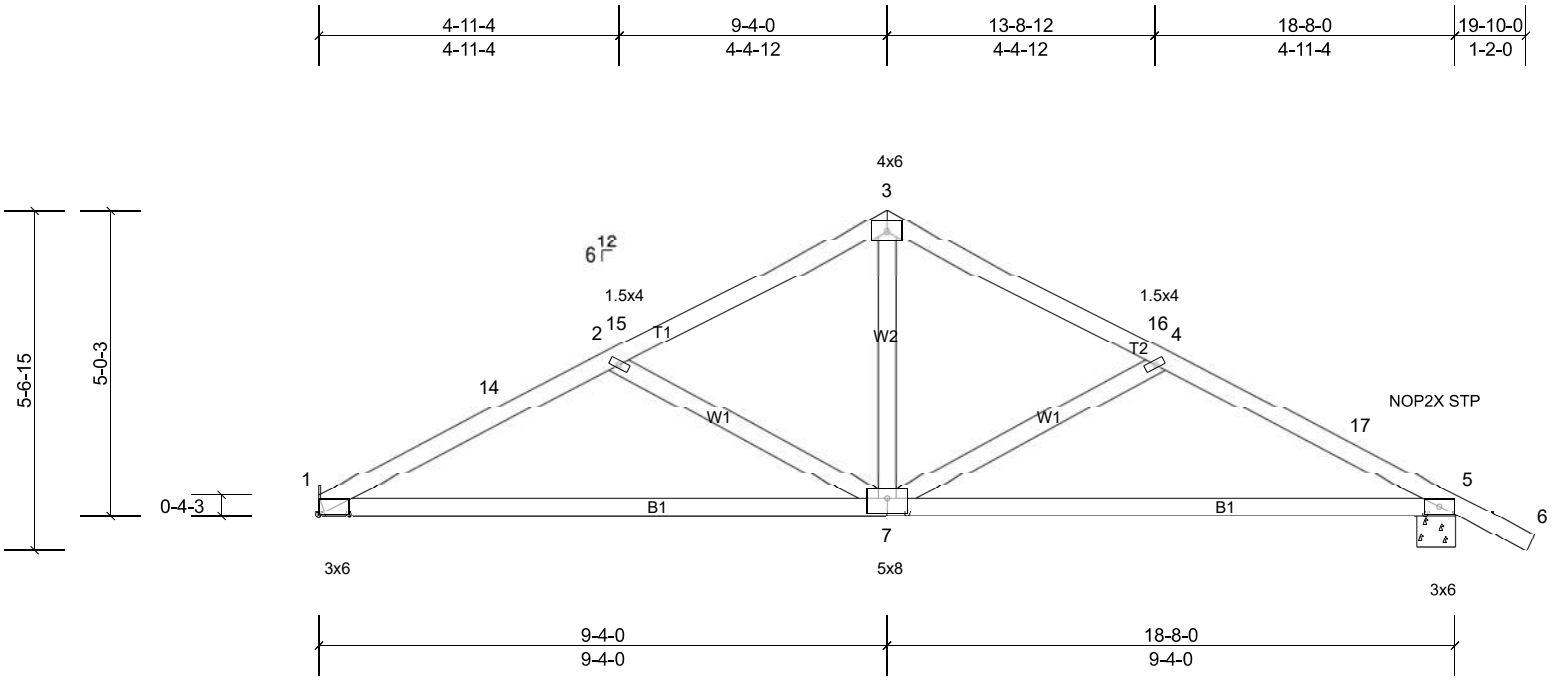


Plate Offsets (X, Y): [1:0-6-0,0-0-2], [5:0-2-12,0-1-8], [7:0-4-0,0-3-0]

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	7-10	>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	0.15	Horz(CT)	0.03	5	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 7-3-6 oc bracing.

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

REACTIONS (lb/size) 1=614/ Mechanical, (min. 0-1-8), 5=675/0-7-10, (min. 0-1-8)
Max Horiz 1=-181 (LC 17)
Max Uplift 1=-382 (LC 12), 5=-451 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1029/836, 2-14=-987/845, 2-15=-783/610, 3-15=-781/627, 3-16=-782/607, 4-16=-784/589, 4-17=-1006/827, 5-17=-1023/812
BOT CHORD 1-7=-631/908, 5-7=-621/900
WEBS 3-7=-284/536, 4-7=-330/426, 2-7=-327/437

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 9-4-0, Zone2 9-4-0 to 13-6-15, Zone1 13-6-15 to 19-10-13 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 382 lb uplift at joint 1 and 451 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	T42B	Common	1	1	Job Reference (optional)

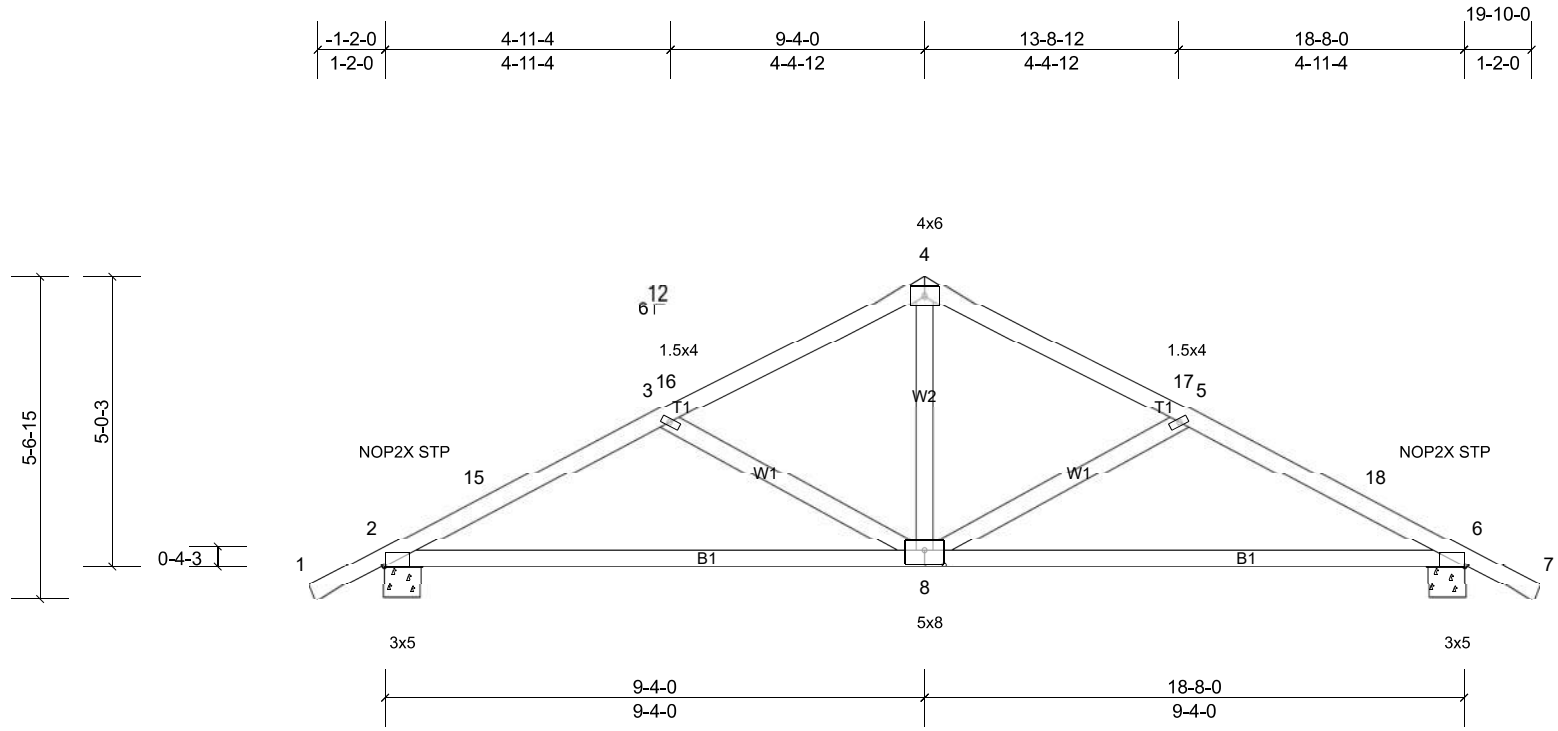


Plate Offsets (X, Y): [2:Edge,0-0-4], [6:Edge,0-0-4], [8:0-4-0,0-3-0]

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	0.41	Vert(LL)	-0.12	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.26	8-11	>868	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 84 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 5-6-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-4 oc bracing.

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

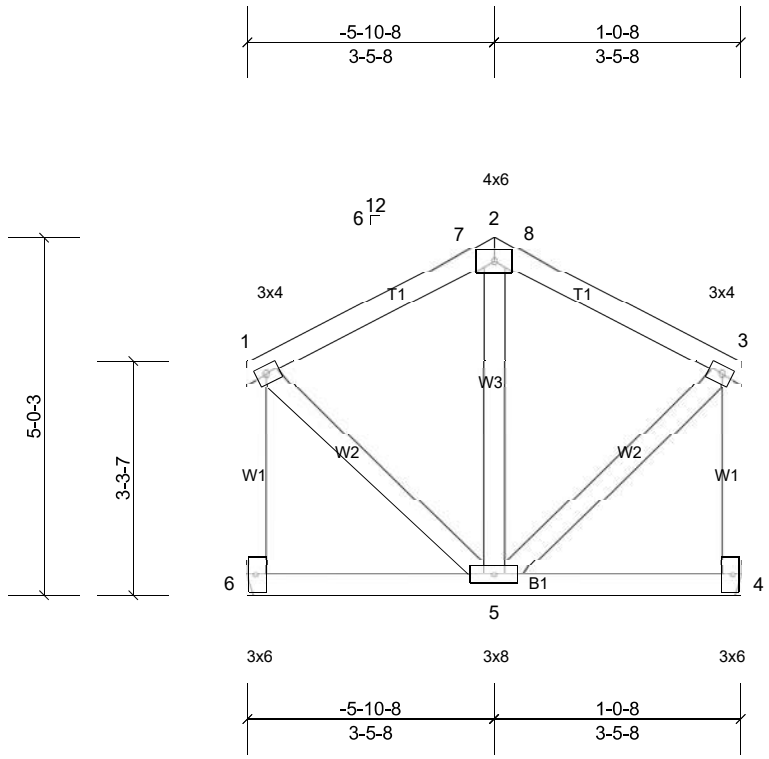
REACTIONS (lb/size) 2=673/0-7-10, (min. 0-1-8), 6=673/0-7-10, (min. 0-1-8)
Max Horiz 2=-162 (LC 13)
Max Uplift 2=-450 (LC 12), 6=-450 (LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1019/786, 3-15=-1002/800, 3-16=-780/579, 4-16=-778/596, 4-17=-778/596, 5-17=-780/579, 5-18=-1002/800, 6-18=-1019/785
BOT CHORD 2-8=-614/896, 6-8=-597/896
WEBS 4-8=-251/535, 5-8=-330/426, 3-8=-330/425

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 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 19-10-13 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas 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 450 lb uplift at joint 2 and 450 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	T46B	Common	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	0.51	Vert(LL)	0.00	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 49 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 4=219/ Mechanical, (min. 0-1-8), 6=219/ Mechanical, (min. 0-1-8)
Max Horiz 6=51 (LC 12)
Max Uplift 4=-121 (LC 12), 6=-121 (LC 13)

BRACING

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

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-145/280, 2-7=-128/280, 2-8=-128/268, 3-8=-145/268, 3-4=-237/465, 1-6=-237/480

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 6-0-4 to 9-0-4, Zone1 9-0-4 to 9-4-0, Zone3 9-4-0 to 12-7-12 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) 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 121 lb uplift at joint 6 and 121 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	T50B	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:25 — Page: 1

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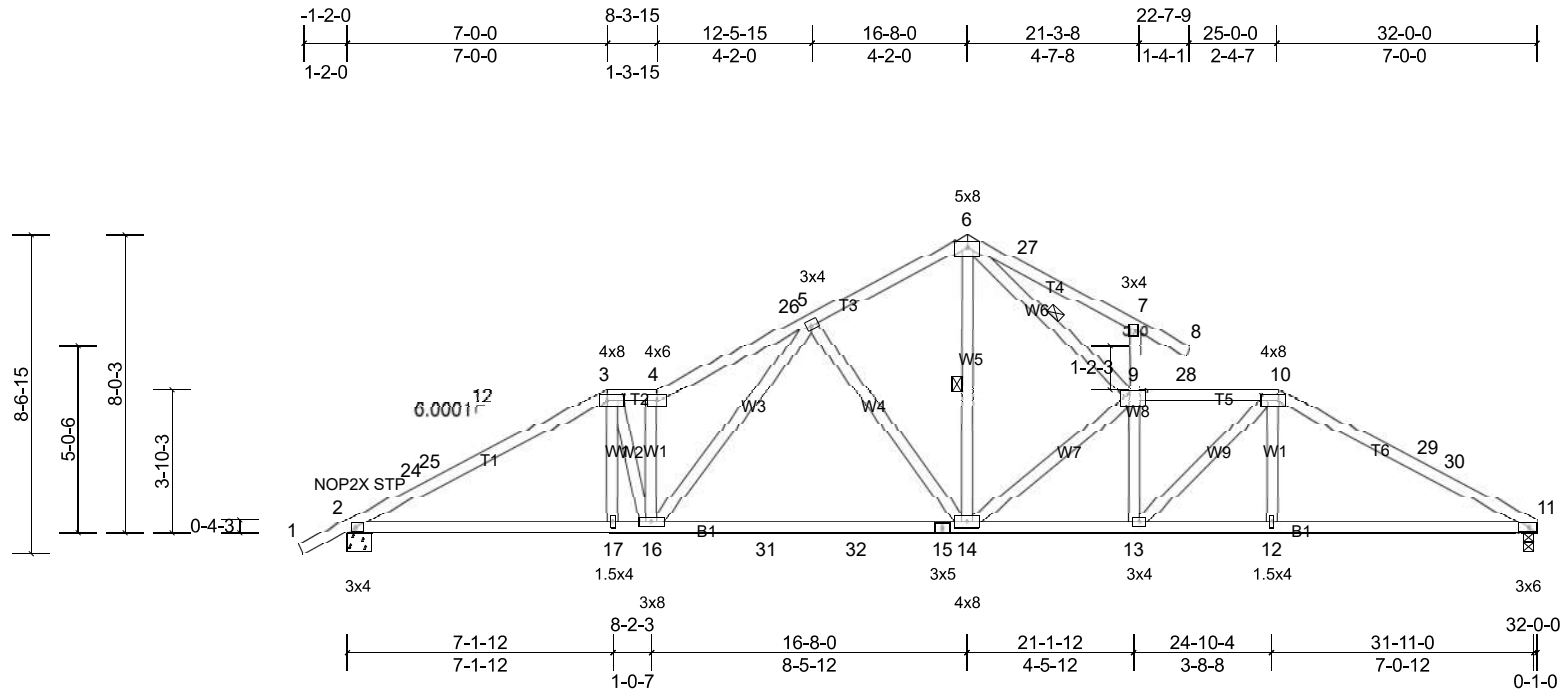

Plate Offsets (X, Y): [3:0-5-4,0-2-0], [9:0-5-8,0-1-0], [10:0-5-4,0-2-0], [11:0-2-12,0-1-8]

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	0.79	Vert(LL)	-0.27	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.50	14-16	>768	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 187 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 2=1120/0-7-10, (min. 0-1-8), 11=1068/0-3-8, (min. 0-1-8)
Max Horiz 2=409 (LC 12)
Max Uplift 2=-728 (LC 12), 11=-732 (LC 13)
Max Grav 2=1244 (LC 2), 11=1195 (LC 2)

BRACING

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

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

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

TOP CHORD 2-24=-2178/1671, 24-25=-2156/1673, 3-25=-2139/1690, 3-4=-2117/1712, 4-26=-2431/2006, 5-26=-2368/2008, 5-6=-1472/1452, 6-27=-119/322, 7-27=-138/307, 9-13=-449/634, 7-9=-218/664, 9-28=-2448/2463, 10-28=-2447/2463, 10-29=-2139/1978, 29-30=-2143/1964, 11-30=-2178/1961

BOT CHORD 2-17=-1333/1911, 16-17=-1338/1916, 16-31=-1141/1622, 31-32=-1141/1622, 15-32=-1141/1622, 14-15=-1141/1622, 13-14=-2198/2426, 12-13=-1603/1922, 11-12=-1603/1911

WEBS 3-16=-273/636, 4-16=-1075/865, 5-16=-532/885, 5-14=-572/596, 6-14=-1496/1661, 6-9=-1647/1397, 9-14=-1456/1784, 10-13=-831/715, 10-12=-2/274

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-13 to 1-11-10, Zone1 1-11-10 to 7-0-0, Zone3 7-0-0 to 8-3-15, Zone1 8-3-15 to 16-8-0, Zone2 16-8-0 to 21-1-12, Zone1 21-1-12 to 25-0-0, Zone2 25-0-0 to 29-6-5, Zone1 29-6-5 to 32-0-0 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 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 732 lb uplift at joint 11 and 728 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	T52B	Common	2	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:25 — Page: 1

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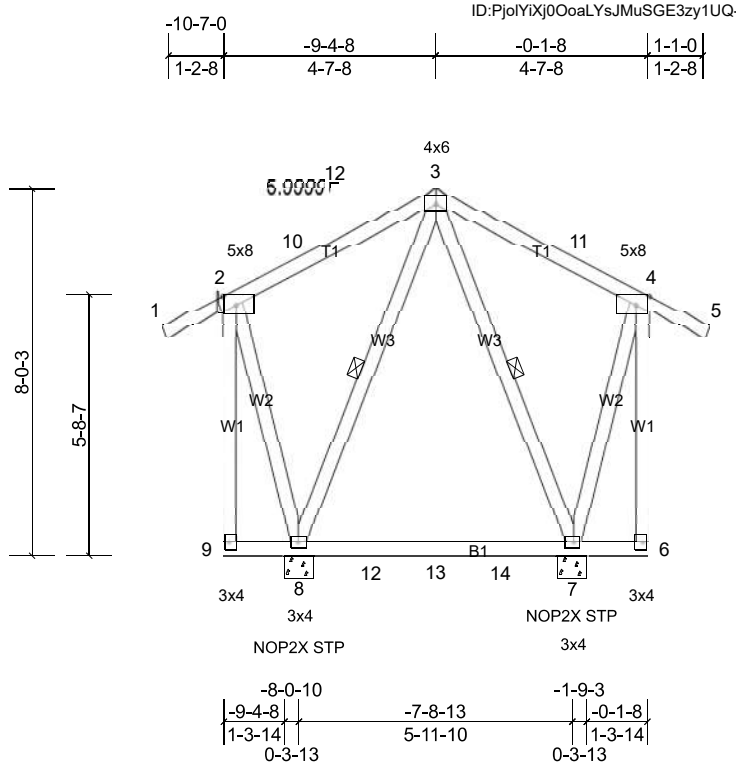

Plate Offsets (X, Y): [2:Edge,0-2-13], [4:Edge,0-2-13]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.12	7-8	>602	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	0.10	7-8	>682	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.01	7	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
WEBS	2x4 SP No.2

REACTIONS (lb/size) 2=130/ Mechanical, (min. 0-1-8), 7=393/0-7-10, (min. 0-1-8), 8=199/0-7-10, (min. 0-1-8)
Max Horiz 2=-430 (LC 10)
Max Uplift 2=-192 (LC 13), 7=-361 (LC 8), 8=-157 (LC 9)
Max Grav 2=191 (LC 19), 7=422 (LC 2), 8=304 (LC 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.
WEBS	1 Row at midpt 3-8, 3-7

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-472/674, 3-10=-462/685, 3-11=-199/393, 4-11=-214/382, 2-9=-91/317, 4-6=-91/324
WEBS 2-8=-471/514, 3-8=-479/437, 3-7=-308/285, 4-7=-198/343

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 8-1-3 to 11-1-3, Zone1 11-1-3 to 14-0-0, Zone2 14-0-0 to 18-5-12, Zone1 18-5-12 to 19-10-13 zone; end vertical 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 8, 192 lb uplift at joint 2 and 361 lb uplift at joint 7.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	T53B	Common	1	1	Job Reference (optional)

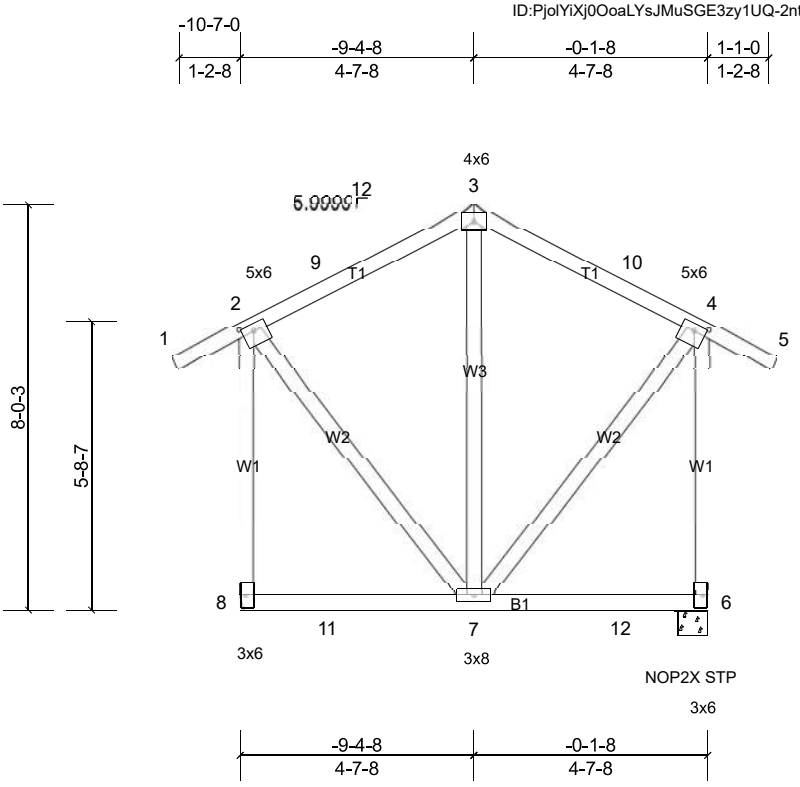

Plate Offsets (X, Y): [2:0-3-0,0-1-12], [4:0-3-0,0-1-12]

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	0.54	Vert(LL)	0.07	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	0.07	6-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 80 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 7-8-7 oc bracing.

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

REACTIONS (lb/size) 6=361/0-7-2, (min. 0-1-8), 8=361/ Mechanical, (min. 0-1-8)
Max Horiz 8=-430 (LC 10)
Max Uplift 6=-376 (LC 9), 8=-376 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-152/600, 3-9=-137/611, 3-10=-137/611, 4-10=-152/600, 2-8=-464/1243, 4-6=-464/1243
BOT CHORD 8-11=-466/471, 7-11=-466/471
WEBS 2-7=-617/303, 4-7=-617/304

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 8-1-3 to 11-1-3, Zone1 11-1-3 to 14-0-0, Zone2 14-0-0 to 18-5-12, Zone1 18-5-12 to 19-10-13 zone; end vertical left and right exposed; 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 376 lb uplift at joint 8 and 376 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	TGR07TB	Roof Special Girder	1	2	Job Reference (optional)

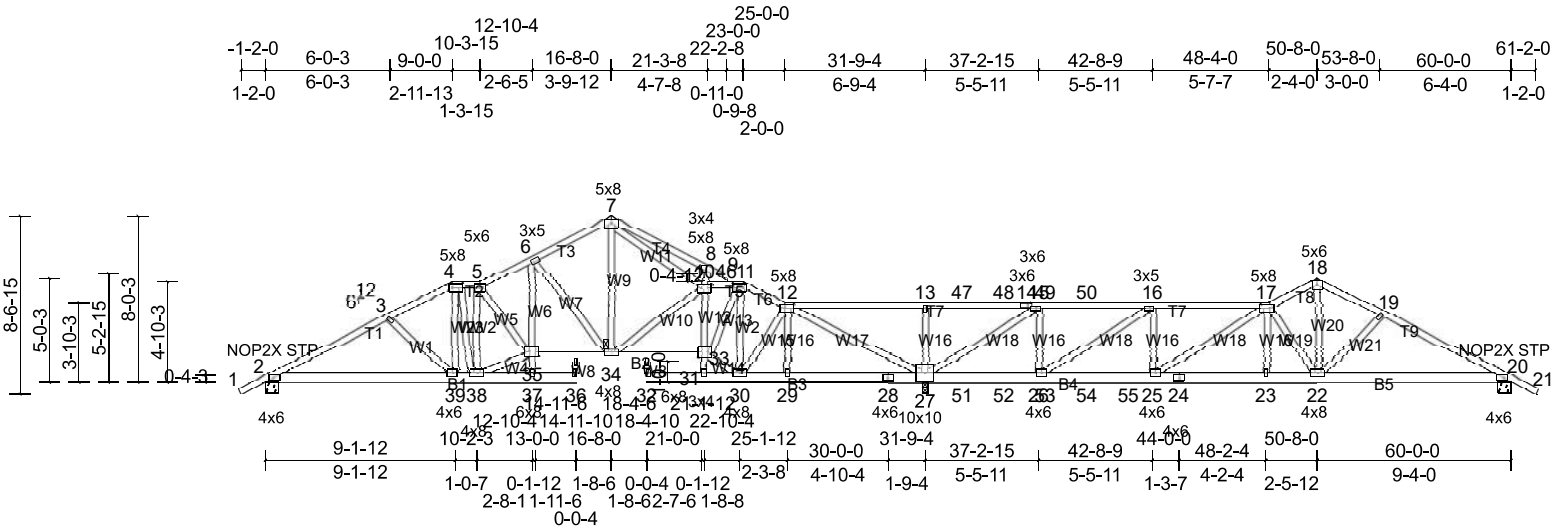

Plate Offsets (X, Y): [4:0-6-0,0-2-8], [10:0-5-8,0-2-12], [11:0-6-0,0-2-8], [12:0-5-4,0-2-8], [14:0-2-3,0-1-8], [17:0-5-4,0-2-8], [33:0-5-8,0-3-0], [35:0-5-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	0.22	25-26	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.18	25-26	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.05	20	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 869 lb	FT = 20%

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

REACTIONS (lb/size) 2=830/0-7-10, (min. 0-1-8), 20=1185/0-7-10, (min. 0-1-8), 27=4114/0-3-8, (min. 0-2-7)
Max Horiz 2=346 (LC 8)
Max Uplift 2=-699 (LC 27), 20=-1072 (LC 9), 27=-3241 (LC 9)
Max Grav 2=830 (LC 1), 20=1216 (LC 22), 27=4114 (LC 1)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Except:
6-0-0 oc bracing: 8-10
10-0-0 oc bracing: 31-33
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 30-31,29-30,27-29
8-6-15 oc bracing: 25-26.
JOINTS 1 Brace at Jt(s): 34

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1327/1164, 3-4=-1149/1041, 4-5=-989/1006, 5-6=-1122/1171, 6-7=-657/853, 7-8=-170/274, 10-33=-701/565, 8-10=-216/297, 10-46=-1025/1144, 11-46=-1025/1145, 11-12=-804/899, 12-13=-1937/2820, 13-47=-1937/2820, 47-48=-1937/2820, 14-48=-1937/2820, 14-15=-1937/2820, 15-49=-1142/1403, 49-50=-1142/1403, 16-50=-1142/1403, 16-17=-3109/3110, 17-18=-1988/1875, 18-19=-2011/1880, 19-20=-2183/1986
BOT CHORD 2-39=-1224/1158, 38-39=-957/999, 29-30=-711/969, 28-29=-709/973, 27-28=-709/973, 27-51=-1286/1303, 51-52=-1286/1303, 26-52=-1286/1303, 26-53=-2823/3109, 53-54=-2823/3109, 54-55=-2823/3109, 25-55=-2823/3109, 24-25=-2159/2544, 23-24=-2159/2544, 22-23=-2169/2552, 20-22=-1605/1920, 34-35=-1010/1002, 33-34=-979/1020
WEBS 3-39=-233/369, 4-39=-202/573, 7-10=-600/744, 7-34=-730/642, 10-34=-565/530, 13-27=-426/574, 12-27=-2480/1423, 18-22=-1536/1654, 17-22=-1421/1476, 19-22=-225/380, 6-35=-425/645, 6-34=-715/676, 11-30=-838/393, 12-30=-802/1124, 30-33=-619/744, 11-33=-728/926, 15-26=-1349/1826, 15-27=-4351/3861, 16-26=-2487/2115, 16-25=-709/1023, 17-25=-1086/974, 5-38=-535/576, 35-38=-1089/1082

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; 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 2x4 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 699 lb uplift at joint 2, 3241 lb uplift at joint 27 and 1072 lb uplift at joint 20.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 132 lb down and 184 lb up at 33-6-12, 132 lb down and 184 lb up at 35-6-12, and 132 lb down and 184 lb up at 37-6-12, and 132 lb down and 184 lb up at 39-6-12 on top chord, and 82 lb down and 13 lb up at 33-6-12, 82 lb down and 13 lb up at 35-6-12, 82 lb down and 13 lb up at 37-6-12, and 82 lb down and 13 lb up at 39-6-12, and 1312 lb down and 1300 lb up at 41-6-12 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: 1-4=-46, 4-5=-46, 5-7=-46, 7-8=-46, 8-9=-46, 10-46=-14, 11-46=-46, 11-12=-46, 12-17=-46, 17-18=-46, 18-21=-46, 2-36=-20, 20-32=-20, 33-35=-20
   Concentrated Loads (lb)
   Vert: 47=-100, 48=-100, 49=-100, 50=-100, 51=-58, 52=-58, 53=-58, 54=-58, 55=-1312

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	TGR45B	Common Girder	1	1	Job Reference (optional)

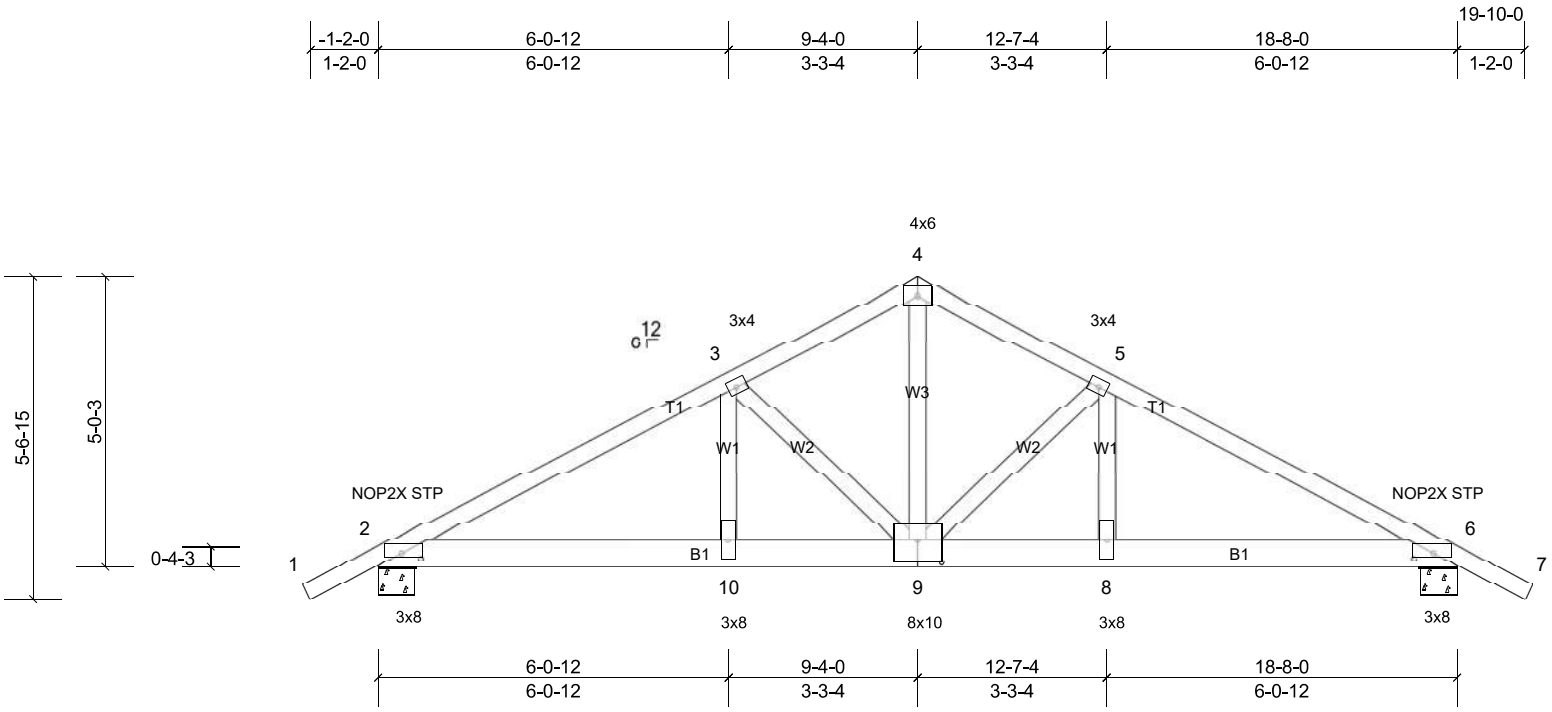

Plate Offsets (X, Y): [2:0-4-0,0-1-1], [6:0-4-0,0-1-1], [9:0-5-0,0-4-8]

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	0.80	Vert(LL)	0.20	10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.16	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	-0.07	6	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 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-5-10 oc bracing.

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

REACTIONS (lb/size) 2=1472/0-7-10, (min. 0-1-12), 6=1472/0-7-10, (min. 0-1-12)
Max Horiz 2=-162 (LC 13)
Max Uplift 2=-1403 (LC 8), 6=-1403 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2823/2721, 3-4=-1912/1889, 4-5=-1912/1891, 5-6=-2823/2719
BOT CHORD 2-10=-2429/2481, 9-10=-2429/2481, 8-9=-2267/2481, 6-8=-2267/2481
WEBS 3-10=-921/922, 3-9=-1094/1248, 4-9=-1559/1556, 5-9=-1094/1248, 5-8=-921/922

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas 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 1403 lb uplift at joint 2 and 1403 lb uplift at joint 6.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 800 lb down and 953 lb up at 5-9-12, and 800 lb down and 953 lb up at 12-10-4 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, 4-7=-46, 2-6=-20
Concentrated Loads (lb)
Vert: 10=-800, 8=-800

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	TGR51B	Common Girder	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.72 S Nov 2 2023 Print: 8.810 S Aug 19 2024 MiTek Industries, Inc. Thu Jan 04 15:45:27 — Page: 1

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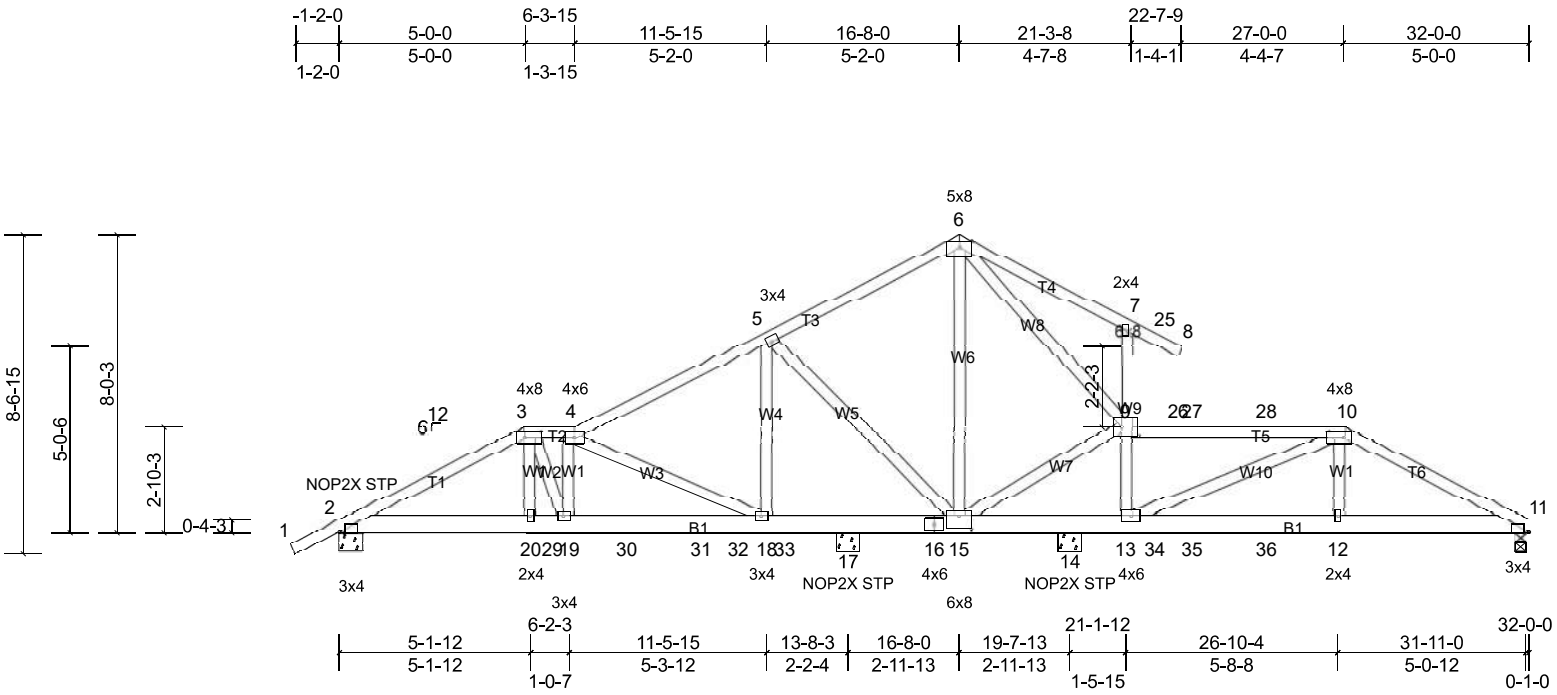


Plate Offsets (X, Y): [2:0-1-12,Edge], [3:0-5-4,0-2-0], [9:0-5-12,0-3-0], [10:0-5-4,0-2-0], [11:0-1-12,Edge], [15:0-4-0,0-4-4]

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	0.62	Vert(LL)	0.18	18-19	>922	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	0.14	18-19	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.71	Horz(CT)	-0.04	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 213 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 4-6-5 oc purlins, except end verticals. Except: 6-0-0 oc bracing: 7-9
BOT CHORD	Rigid ceiling directly applied or 4-11-14 oc bracing.

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

REACTIONS All bearings 0-7-10. except 11=0-3-8

(lb) - Max Horiz 2=526 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-825 (LC 8), 11=-488 (LC 9), 14=-1095 (LC 8), 17=-911 (LC 8)

Max Grav All reactions 250 (lb) or less at joint(s) except 2=881 (LC 21), 11=553 (LC 22), 14=1224 (LC 1), 17=970 (LC 1)

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

TOP CHORD	2-3=-1543/1470, 3-4=-1511/1526, 4-5=-483/412, 9-13=-270/421, 7-9=-273/273, 10-11=-1005/911
BOT CHORD	2-20=-1686/1340, 20-29=-1683/1344, 19-29=-1683/1344, 19-30=-1821/1499, 30-31=-1821/1499, 31-32=-1821/1499, 18-32=-1821/1499, 18-33=-592/394, 17-33=-592/394, 16-17=-592/394, 15-16=-592/394, 13-34=-717/886, 34-35=-717/886, 35-36=-717/886, 12-36=-717/886, 11-12=-710/865
WEBS	3-19=-365/388, 4-19=-271/304, 10-13=-873/828, 10-12=-114/467, 6-15=-354/359, 9-15=-282/50, 5-15=-711/965, 5-18=-548/468, 4-18=-1230/1362

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; end vertical right exposed; porch exposed 13-8-3 to 19-7-13 ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 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 825 lb uplift at joint 2, 911 lb uplift at joint 17, 1094 lb uplift at joint 14 and 488 lb uplift at joint 11.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 209 lb down and 342 lb up at 5-0-0, 84 lb down and 138 lb up at 22-11-4, and 84 lb down and 138 lb up at 24-11-4, and 205 lb down and 320 lb up at 27-0-0 on top chord, and 117 lb down and 69 lb up at 5-0-0, 151 lb down and 175 lb up at 5-8-12, 134 lb down and 170 lb up at 7-8-12, 111 lb down and 155 lb up at 9-8-12, 107 lb down and 177 lb up at 10-8-12, 169 lb down and 230 lb up at 11-11-12, 48 lb down and 16 lb up at 21-11-4, 48 lb down and 16 lb up at 22-11-4, and 48 lb down and 16 lb up at 24-11-4, and 116 lb down and 60 lb up at 26-11-4 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, 3-4=-46, 4-6=-46, 6-7=-46, 7-8=-46, 9-26=-14, 10-26=-46, 10-11=-46, 2-11=-20
   Concentrated Loads (lb)

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	TGR51B	Common Girder	1	1	Job Reference (optional)

Vert: 3=-131, 10=-128, 20=-101, 12=-97, 25=-98, 27=-52, 28=-52, 29=-141, 30=-134, 31=-111, 32=-107, 33=-154, 34=-38, 35=-38, 36=-38

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	V01	Valley	2	1	Job Reference (optional)

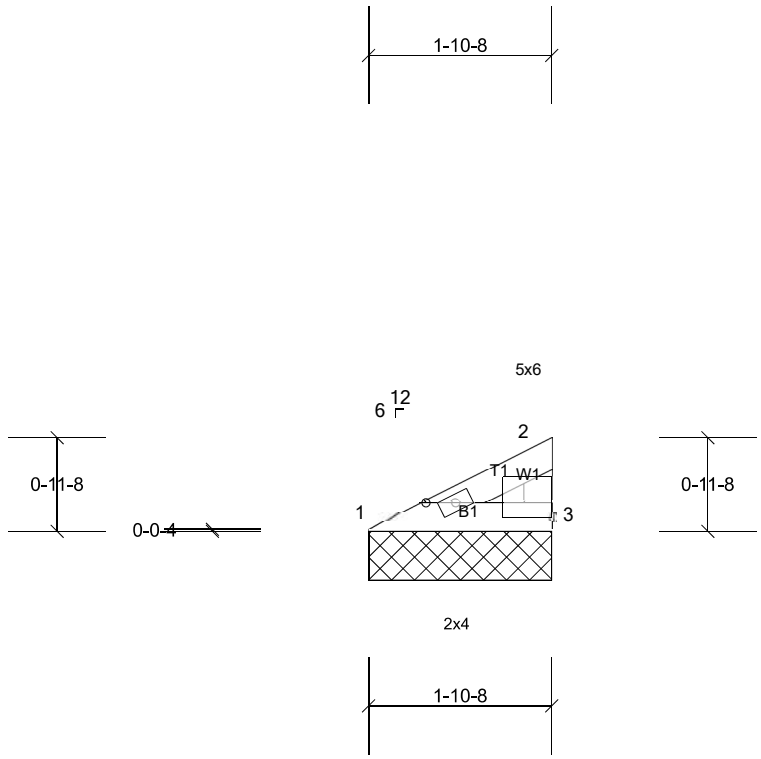


Plate Offsets (X, Y): [2:Edge,0-1-12]

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)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	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.

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

REACTIONS (lb/size) 1=57/1-10-8, (min. 0-1-8), 3=57/1-10-8, (min. 0-1-8)
Max Horiz 1=51 (LC 12)
Max Uplift 1=-33 (LC 12), 3=-55 (LC 12)

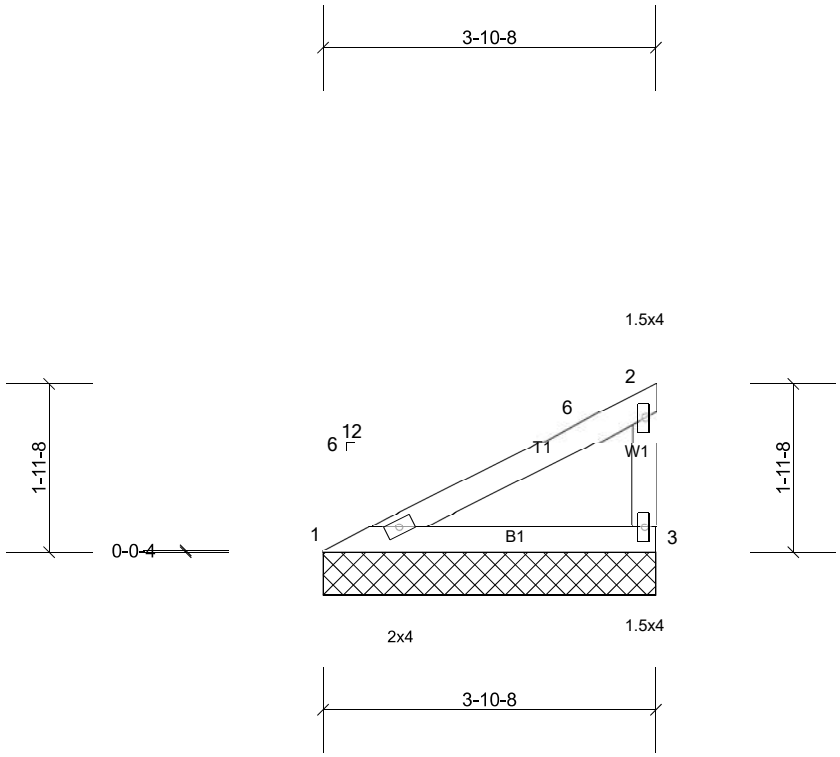
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1 and 55 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	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	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	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

REACTIONS (lb/size) 1=123/3-10-8, (min. 0-1-8), 3=123/3-10-8, (min. 0-1-8)
Max Horiz 1=123 (LC 12)
Max Uplift 1=-66 (LC 12), 3=-123 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 1-3=-361/256

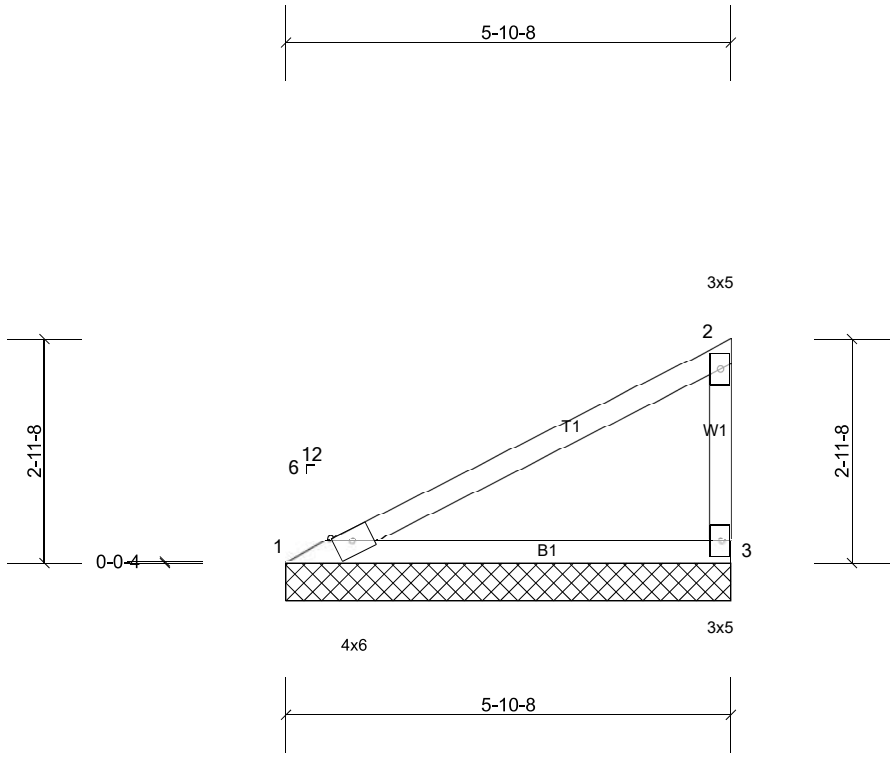
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-8 to 3-0-8, Zone1 3-0-8 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 123 lb uplift at joint 3 and 66 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Livorno B RSD CLG Sitting Room 3Car Side
Livorno B RSD CLG	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	0.92	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.02	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.1D
WEBS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-3 oc bracing.

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

REACTIONS (lb/size) 1=189/5-10-8, (min. 0-1-8), 3=189/5-10-8, (min. 0-1-8)
Max Horiz 1=194 (LC 12)
Max Uplift 1=-99 (LC 12), 3=-191 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-318/455, 2-3=-172/452
BOT CHORD 1-3=-849/407

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C 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 4-0-0 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 191 lb uplift at joint 3 and 99 lb uplift at joint 1.

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