Maronda Systems

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

PLAN JOB #	LOT	ADDRESS	DIV/SUB	MODEL
9FC00801	8-1	303 SW CADENCE GLEN LAKE CITY, FL 32024	JAW/9FC	ASHJ32F/LH

ASHTON J W/

SUNROOM & LANAI OPT

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

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

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

Truss ID	Run Date	Drawing Reviewed	Truss ID	Run Date	Drawing Reviewed
Layout	08/02/24		T07A	08/02/24	
REACTION SUMMARY	08/02/24		T10	08/02/24	
MII web plate	2021		T11	08/02/24	
OR1	2009		T12	08/02/24	
ST-4ply Screw	2012		T30	08/02/24	
VC1	2009		T31	08/02/24	
TN1	2009		T35	08/02/24	
MII-Rep01A1	2021		T70	08/02/24	
GP01	08/02/24		TG32	08/02/24	
H02	08/02/24		TG36	08/02/24	
H03	08/02/24		TGR08A	08/02/24	
H04	08/02/24		TGR13	08/02/24	
H05	08/02/24		V01	08/02/24	
H71	08/02/24		V02	08/02/24	
H72P	08/02/24		V03	08/02/24	
HGR73P	08/02/24		V05	08/02/24	
J15	08/02/24		V06	08/02/24	
J15P	08/02/24		V07	08/02/24	
J15S	08/02/24				
J35	08/02/24				
J35A	08/02/24				
J35P	08/02/24				
J55	08/02/24				
J55A	08/02/24				
J55P	08/02/24				
J75	08/02/24				
J75P	08/02/24				
JGR35	08/02/24				
JGR65	08/02/24				
JGR75	08/02/24				
JGR75P	08/02/24				
M35	08/02/24				
M65	08/02/24				
M65A	08/02/24		INV #	DESC	QNTY
MGR38	08/02/24		050060.0110	JUS26	6
HGR70	08/02/24		050060.0047	THD28	
T01	08/02/24		050060.0049	THD28-2	
T06A	08/02/24		050060.0106	HUS26	1
			050060.0272	HUS179	
			050060.0058	HJC26	4
			050060.0312	HJC26-SK60	
			SEAT PLATES		
			FLOOR SEAT PLATES		

No. of Eng. Dwgs:	56
Roof Loads-	
TC Live:	16.0 psf
TC Dead:	7.0 psf
BC Live:	0.0 psf
BC Dead:	10.0 psf
Total	33.0 psf
DurFac- Lbr:	1.25
DurFac- Plt:	1.25
O.C. Spacing:	24.0"
Floor Loads-	
TC Live:	40.0 psf
TC Dead:	10.0 psf
BC Live:	0.0 psf
BC Dead:	5.0 psf
Total	55.0 psf
DurFac- Lbr:	1.00
DurFac- Plt:	1.00
O.C. Spacing:	24.0"

TSG
Making Dreams Come True
TOTAL SOLUTIONS GROUP
258 Southhall Lane, Suite 200
Maitland, Florida, 32751
(407) 680 2333
CA No. 9161
100% Employee Owned
my1SGhome.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

8-28

Signing Date: 08/29/2025

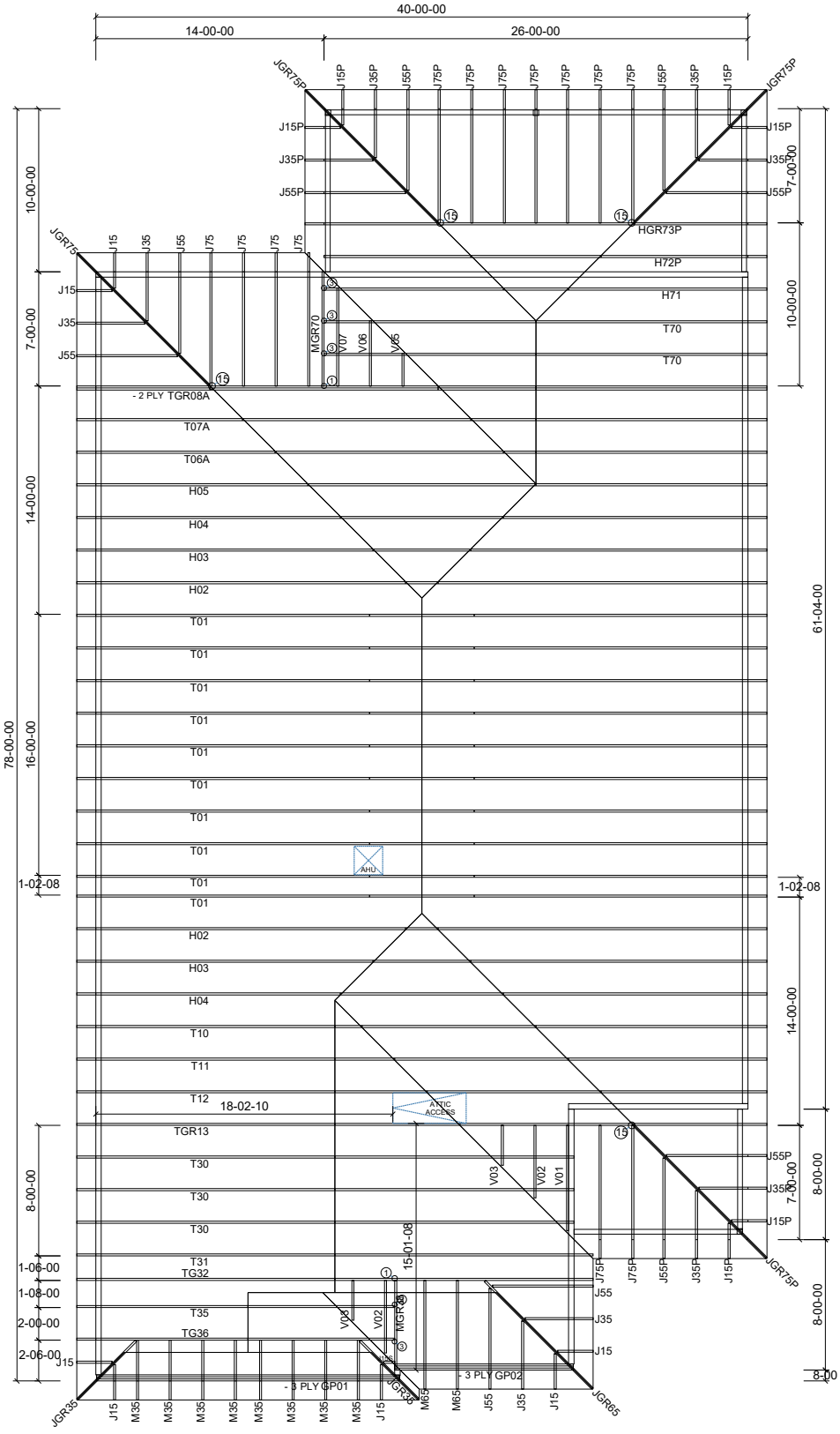
THIS CERTIFICATE COVERS ONLY THE ENGINEER'S KNOWLEDGE AND UNDERSTANDING, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE SIGNED AND SEALED FOR THE STRUCTURAL PORTION OF THIS DRAWING.

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

- GENERAL TRUSS NOTES:

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

TRUSS PLACEMENT PLAN



OPTIONAL 1'-4" GARAGE EXTENSION: ADD ONE (1) ADDITIONAL T31 TRUSS

18-08-00 | 10-08-00 | 10-08-00

ASHTON J
3CAR WITH SUNROOM AND LANAI

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

Page 1 of 1

CUSTOMER:Maronda Systems
Model: ASHTON
ELEV: J 3CAR SUNROOM LANAI
DRAWN BY: C. Hunter
RELEASE DATE: 8/2/2024
GARAGE: LEFT

TSG
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TOTAL SOLUTIONS GROUP
258 Southhall Lane, Suite 200
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☐ SCOTT A. LEWKOWSKI, PE - FL # 78750
☐ THIEN BAO DUONG, PE - FL # 94452

8-28-25

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.

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 ASHTON 2023

STRUCTURE JD

MODEL Ashton

SHIP TO

Ashton J Sunroom Lanai

TRANSACTION # 24000627

STATUS Quote

ORDERED This field intentionally left blank.

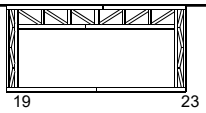
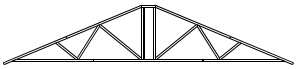
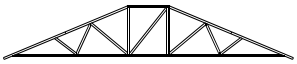
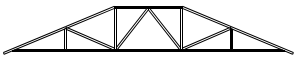
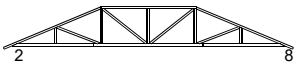
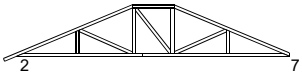
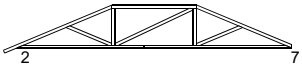
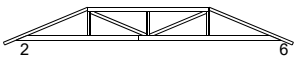
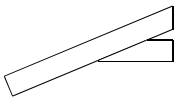
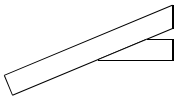
SCHD DELIVERY This field intentionally left blank.

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	10	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		
	**GP01**	0 /12	8-11-10	18-07-00	24" o.c	**REACTIONS** (lb) -	All bearings 1-02-00. Max Horiz Max Uplift Max Grav	19=188 (LC 5) All uplift 100 (lb) or less at joint(s) except 20=-1226 (LC 7), 22=-1187 (LC 7), 23=-653 (LC 7) All reactions 250 (lb) or less at joint(s) except 19=979 (LC 1), 20=2089 (LC 4), 22=1410 (LC 4), 23=876 (LC 4)
	**H02**	5 /12	8-03-01	40-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift Max Grav	2=1376/4-00, (min. 1-09), 11=1376/4-00, (min. 1-09) 2=-259 (LC 12) 2=-901 (LC 11), 11=-901 (LC 12) 2=1544 (LC 2), 11=1544 (LC 2)
	**H03**	5 /12	7-05-01	40-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift Max Grav	2=1376/4-00, (min. 1-09), 11=1376/4-00, (min. 1-09) 2=-234 (LC 12) 2=-906 (LC 11), 11=-906 (LC 12) 2=1524 (LC 2), 11=1528 (LC 2)
	**H04**	5 /12	6-07-01	40-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift Max Grav	2=1376/4-00, (min. 1-13), 8=1376/4-00, (min. 1-13) 2=-208 (LC 12) 2=-910 (LC 11), 8=-910 (LC 12) 2=1533 (LC 2), 8=1533 (LC 2)
	**H05**	5 /12	5-09-01	40-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift	2=1376/4-00, (min. 1-10), 8=1376/4-00, (min. 1-10) 2=-182 (LC 16) 2=-914 (LC 11), 8=-914 (LC 12)
	**H71**	5 /12	4-11-01	26-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift	2=916/4-00, (min. 1-08), 7=857/ Mechanical, (min. 1-08) 2=172 (LC 11) 2=-613 (LC 11), 7=-546 (LC 12)
	**H72P**	5 /12	4-01-01	26-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift	2=916/3-08, (min. 1-08), 7=857/3-08, (min. 1-08) 2=147 (LC 11) 2=-996 (LC 7), 7=-912 (LC 8)
	**HGR73P**	5 /12	3-03-01	26-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift	2=1719/3-08, (min. 2-00), 6=1719/3-08, (min. 2-00) 2=-103 (LC 8) 2=-2123 (LC 3), 6=-2123 (LC 4)
	**J15**	5 /12	9-01	1-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift Max Grav	2=124/4-00, (min. 1-08), 3=3/ Mechanical, (min. 1-08), 4=-5/ Mechanical, (min. 1-08) 2=60 (LC 11) 2=-150 (LC 7), 3=-2 (LC 11), 4=-5 (LC 1) 2=124 (LC 1), 3=10 (LC 7), 4=28 (LC 7)
	**J15P**	5 /12	9-01	1-00-00	24" o.c	**REACTIONS**	(lb/size) Max Horiz Max Uplift Max Grav	2=124/3-08, (min. 1-08), 3=3/ Mechanical, (min. 1-08), 4=-5/ Mechanical, (min. 1-08) 2=60 (LC 11) 2=-167 (LC 7), 3=-8 (LC 8), 4=-5 (LC 1) 2=124 (LC 1), 3=7 (LC 16), 4=23 (LC 15)

Reaction Summary

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

SOLD TO Maronda Homes

JOB NAME ASHTON 2023

STRUCTURE JD

MODEL Ashton

SHIP TO

Ashton J Sunroom Lanai

TRANSACTION # 24000627

STATUS Quote

ORDERED This field intentionally left blank.

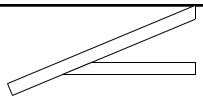
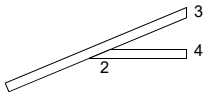
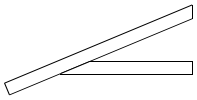
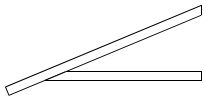
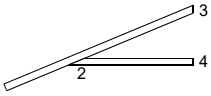
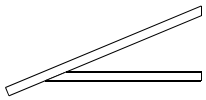
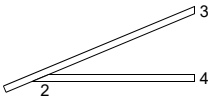
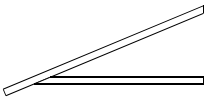
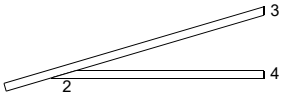
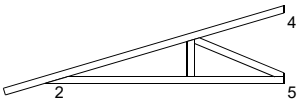
SCHD DELIVERY This field intentionally left blank.

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	10	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		
	J35	5 /12	1-07-01	3-00-00	24" o.c	REACTIONS	(lb/size)	2=165/4-00, (min. 1-08), 3=54/ Mechanical, (min. 1-08), 4=32/ Mechanical, (min. 1-08)
							Max Horiz	2=118 (LC 11)
							Max Uplift	2=-135 (LC 11), 3=-77 (LC 11), 4=-1 (LC 11)
	J35A	5 /12	1-07-01	3-00-00	24" o.c	REACTIONS	(lb/size)	2=266/4-00, (min. 1-08), 3=34/ Mechanical, (min. 1-08), 4=11/ Mechanical, (min. 1-08)
							Max Horiz	2=152 (LC 11)
							Max Uplift	2=-289 (LC 7), 3=-50 (LC 11)
							Max Grav	2=266 (LC 1), 3=34 (LC 1), 4=41 (LC 7)
	J35P	5 /12	1-07-01	3-00-00	24" o.c	REACTIONS	(lb/size)	2=165/3-08, (min. 1-08), 3=54/ Mechanical, (min. 1-08), 4=32/ Mechanical, (min. 1-08)
							Max Horiz	2=118 (LC 11)
							Max Uplift	2=-182 (LC 7), 3=-77 (LC 11), 4=-36 (LC 8)
	J55	5 /12	2-05-01	5-00-00	24" o.c	REACTIONS	(lb/size)	2=226/4-00, (min. 1-08), 3=100/ Mechanical, (min. 1-08), 4=56/ Mechanical, (min. 1-08)
							Max Horiz	2=177 (LC 11)
							Max Uplift	2=-167 (LC 11), 3=-145 (LC 11), 4=-2 (LC 11)
	J55A	5 /12	2-05-01	5-00-00	24" o.c	REACTIONS	(lb/size)	2=311/4-00, (min. 1-08), 3=89/ Mechanical, (min. 1-08), 4=43/ Mechanical, (min. 1-08)
							Max Horiz	2=211 (LC 11)
							Max Uplift	2=-275 (LC 7), 3=-130 (LC 11)
							Max Grav	2=311 (LC 1), 3=89 (LC 1), 4=44 (LC 21)
	J55P	5 /12	2-05-01	5-00-00	24" o.c	REACTIONS	(lb/size)	2=226/3-08, (min. 1-08), 3=100/ Mechanical, (min. 1-08), 4=56/ Mechanical, (min. 1-08)
							Max Horiz	2=177 (LC 11)
							Max Uplift	2=-230 (LC 7), 3=-145 (LC 11), 4=-61 (LC 8)
	J75	5 /12	3-03-01	7-00-00	24" o.c	REACTIONS	(lb/size)	2=290/4-00, (min. 1-08), 3=146/ Mechanical, (min. 1-08), 4=78/ Mechanical, (min. 1-08)
							Max Horiz	2=228 (LC 11)
							Max Uplift	2=-205 (LC 11), 3=-191 (LC 11)
	J75P	5 /12	3-03-01	7-00-00	24" o.c	REACTIONS	(lb/size)	2=305/3-08, (min. 1-08), 3=138/ Mechanical, (min. 1-08), 4=71/ Mechanical, (min. 1-08)
							Max Horiz	2=228 (LC 11)
							Max Uplift	2=-297 (LC 7), 3=-186 (LC 11), 4=-80 (LC 8)
	JGR65	3.54 /12	2-07-02	7-07-13	24" o.c	REACTIONS	(lb/size)	2=273/5-05, (min. 1-08), 3=245/ Mechanical, (min. 1-08), 4=135/ Mechanical, (min. 1-08)
							Max Horiz	2=206 (LC 3)
							Max Uplift	2=-348 (LC 3), 3=-359 (LC 7), 4=-7 (LC 7)
							Max Grav	2=329 (LC 20), 3=245 (LC 1), 4=153 (LC 17)
	JGR75	3.54 /12	3-02-10	9-09-05	24" o.c	REACTIONS	(lb/size)	2=370/5-05, (min. 1-08), 4=80/ Mechanical, (min. 1-08), 5=316/ Mechanical, (min. 1-08)
							Max Horiz	2=243 (LC 3)
							Max Uplift	2=-436 (LC 3), 4=-98 (LC 9), 5=-272 (LC 7)
							Max Grav	2=411 (LC 20), 4=80 (LC 1), 5=316 (LC 1)

Reaction Summary

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

SOLD TO Maronda Homes

JOB NAME ASHTON 2023

STRUCTURE JD

MODEL Ashton

SHIP TO

Ashton J Sunroom Lanai

TRANSACTION # 24000627

STATUS Quote

ORDERED This field intentionally left blank.

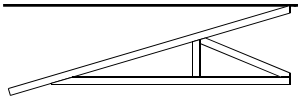
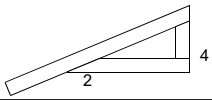
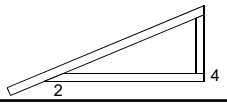
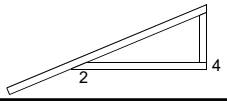
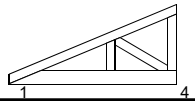
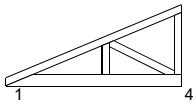
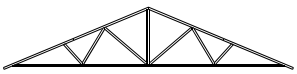
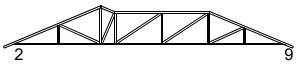
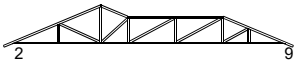
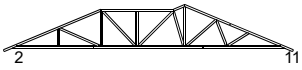
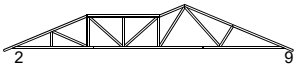
SCHD DELIVERY This field intentionally left blank.

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	10	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		
	JGR75 P	3.54 /12	3-02-10	9-09-05	24" o.c	REACTIONS	(lb/size)	2=370/4-15, (min. 1-08), 4=80/ Mechanical, (min. 1-08), 5=316/ Mechanical, (min. 1-08)
							Max Horiz	2=243 (LC 3)
							Max Uplift	2=-599 (LC 3), 4=-98 (LC 9), 5=-443 (LC 3)
							Max Grav	2=411 (LC 20), 4=80 (LC 1), 5=316 (LC 1)
	M35	5 /12	1-04-09	2-06-00	24" o.c	REACTIONS	(lb/size)	2=149/4-00, (min. 1-08), 4=63/ Mechanical, (min. 1-08)
							Max Horiz	2=95 (LC 10)
							Max Uplift	2=-139 (LC 7), 4=-48 (LC 11)
	M65	5 /12	2-07-09	5-06-00	24" o.c	REACTIONS	(lb/size)	2=239/4-00, (min. 1-08), 4=170/ Mechanical, (min. 1-08)
							Max Horiz	2=190 (LC 11)
							Max Uplift	2=-175 (LC 11), 4=-161 (LC 11)
	M65A	5 /12	2-07-09	5-06-00	24" o.c	REACTIONS	(lb/size)	2=322/4-00, (min. 1-08), 4=149/ Mechanical, (min. 1-08)
							Max Horiz	2=211 (LC 10)
							Max Uplift	2=-294 (LC 7), 4=-115 (LC 11)
	MGR38	5 /12	2-07-09	5-06-00	24" o.c	REACTIONS	(lb/size)	1=836/4-00, (min. 1-08), 4=871/ Mechanical, (min. 1-08)
							Max Horiz	1=168 (LC 25)
							Max Uplift	1=-650 (LC 7), 4=-664 (LC 7)
	MGR70	5 /12	3-03-01	7-00-00	24" o.c	REACTIONS	(lb/size)	1=1616/4-00, (min. 1-10), 4=1346/ Mechanical, (min. 1-08)
							Max Horiz	1=216 (LC 25)
							Max Uplift	1=-1075 (LC 7), 4=-937 (LC 7)
							Max Grav	1=1616 (LC 1), 4=1430 (LC 2)
	T01	5 /12	8-08-01	40-00-00	24" o.c	REACTIONS	(lb/size)	2=1376/4-00, (min. 1-09), 10=1376/4-00, (min. 1-09)
							Max Horiz	2=-272 (LC 16)
							Max Uplift	2=-899 (LC 11), 10=-899 (LC 12)
							Max Grav	2=1550 (LC 2), 10=1550 (LC 2)
	T06A	5 /12	5-09-01	40-00-00	24" o.c	REACTIONS	(lb/size)	2=1376/4-00, (min. 1-10), 9=1376/4-00, (min. 1-10)
							Max Horiz	2=-182 (LC 16)
							Max Uplift	2=-788 (LC 11), 9=-1003 (LC 12)
	T07A	5 /12	5-09-01	40-00-00	24" o.c	REACTIONS	(lb/size)	2=1376/4-00, (min. 1-10), 9=1376/4-00, (min. 1-10)
							Max Horiz	2=-182 (LC 16)
							Max Uplift	2=-788 (LC 11), 9=-1003 (LC 12)
	T10	5 /12	6-05-06	40-00-00	24" o.c	REACTIONS	(lb/size)	2=1376/4-00, (min. 1-10), 11=1376/4-00, (min. 1-10)
							Max Horiz	2=-203 (LC 16)
							Max Uplift	2=-982 (LC 11), 11=-818 (LC 12)
	T11	5 /12	6-05-06	40-00-00	24" o.c	REACTIONS	(lb/size)	2=1376/4-00, (min. 1-09), 9=1376/4-00, (min. 1-09)
							Max Horiz	2=-203 (LC 12)
							Max Uplift	2=-982 (LC 11), 9=-818 (LC 12)
							Max Grav	2=1524 (LC 2), 9=1537 (LC 2)

Reaction Summary

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

SOLD TO Maronda Homes

JOB NAME ASHTON 2023

STRUCTURE JD

MODEL Ashton

SHIP TO
Ashton J Sunroom Lanai

TRANSACTION # 24000627

STATUS Quote

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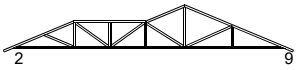
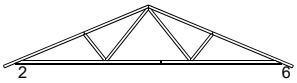
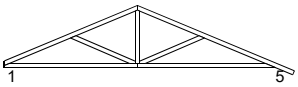
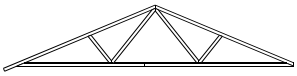
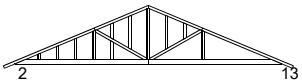
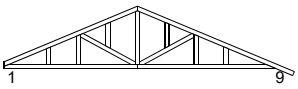
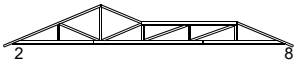
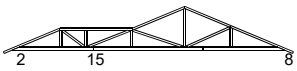
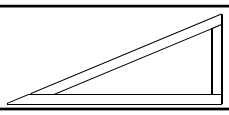
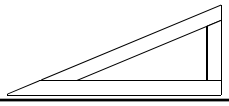
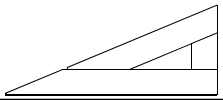
SCHD DELIVERY This field intentionally left blank.

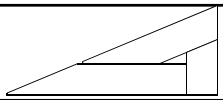
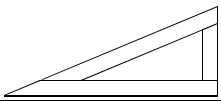
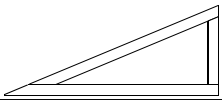
SALES REP MiTek Industries

JOB CATEGORY

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

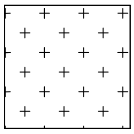
Building Code	Wind Design Method	Exp Cat	Occ Cat	Velocity	TC Dead	BC Dead
FRC2023/TPI2014	MWFRS (Envelope)/C-C hybrid Wind ASCE 7-22	C	II	160	4.2	6

PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	T12	5 /12	6-05-06	40-00-00	24" o.c	**REACTIONS**	(lb/size)	2=1376/4-00, (min. 1-10), 9=1376/4-00, (min. 1-10)
							Max Horiz	2=-203 (LC 16)
							Max Uplift	2=-982 (LC 11), 9=-818 (LC 12)
	T31	5 /12	6-05-06	29-04-00	24" o.c	**REACTIONS**	(lb/size)	2=1024/4-00, (min. 1-08), 6=1024/4-00, (min. 1-08)
							Max Horiz	2=-203 (LC 12)
							Max Uplift	2=-677 (LC 11), 6=-677 (LC 12)
							Max Grav	2=1142 (LC 2), 6=1142 (LC 2)
	T35	5 /12	4-02-11	18-04-00	24" o.c	**REACTIONS**	(lb/size)	1=603/ Mechanical, (min. 1-08), 5=663/4-00, (min. 1-08)
							Max Horiz	1=-156 (LC 12)
							Max Uplift	1=-378 (LC 11), 5=-451 (LC 12)
	T70	5 /12	5-09-01	26-00-00	24" o.c	**REACTIONS**	(lb/size)	2=916/4-00, (min. 1-08), 6=857/ Mechanical, (min. 1-08)
							Max Horiz	2=197 (LC 15)
							Max Uplift	2=-608 (LC 11), 6=-541 (LC 12)
							Max Grav	2=1012 (LC 2), 6=964 (LC 2)
	TG32	5 /12	6-05-06	29-04-00	24" o.c	**REACTIONS**	(lb/size)	2=1999/4-00, (min. 2-00), 13=1466/4-00, (min. 1-08)
							Max Horiz	2=-203 (LC 27)
							Max Uplift	2=-1561 (LC 7), 13=-1071 (LC 8)
	TG36	5 /12	4-02-11	18-04-00	24" o.c	**REACTIONS**	(lb/size)	1=779/ Mechanical, (min. 1-08), 9=835/4-00, (min. 1-08)
							Max Horiz	1=-156 (LC 27)
							Max Uplift	1=-627 (LC 7), 9=-685 (LC 8)
	TGR08A	5 /12	5-09-01	40-00-00	24" o.c	**REACTIONS**	(lb/size)	2=2053/4-00, (min. 1-08), 8=2960/4-00, (min. 1-12)
							Max Horiz	2=-182 (LC 12)
							Max Uplift	2=-1314 (LC 7), 8=-2171 (LC 8)
	TGR13	5 /12	6-05-06	40-00-00	24" o.c	**REACTIONS**	(lb/size)	2=311/3-08, (min. 1-08), 8=910/4-00, (min. 1-08), 15=2121/4-00, (min. 2-08)
							Max Horiz	2=-203 (LC 27)
							Max Uplift	2=-534 (LC 3), 8=-641 (LC 27), 15=-1790 (LC 7)
							Max Grav	2=366 (LC 20), 8=910 (LC 1), 15=2121 (LC 1)
	V01	5 /12	2-08-04	6-05-06	24" o.c	**REACTIONS**	(lb/size)	1=208/6-05-06, (min. 1-08), 3=208/6-05-06, (min. 1-08)
							Max Horiz	1=184 (LC 8)
							Max Uplift	1=-138 (LC 11), 3=-181 (LC 11)
	V02	5 /12	1-10-04	4-05-06	24" o.c	**REACTIONS**	(lb/size)	1=140/4-04-12, (min. 1-08), 3=140/4-04-12, (min. 1-08)
							Max Horiz	1=120 (LC 8)
							Max Uplift	1=-96 (LC 11), 3=-119 (LC 11)
	V03	5 /12	1-00-04	2-05-06	24" o.c	**REACTIONS**	(lb/size)	1=76/2-05-06, (min. 1-08), 3=76/2-05-06, (min. 1-08)
							Max Horiz	1=57 (LC 8)
							Max Uplift	1=-53 (LC 11), 3=-64 (LC 11)

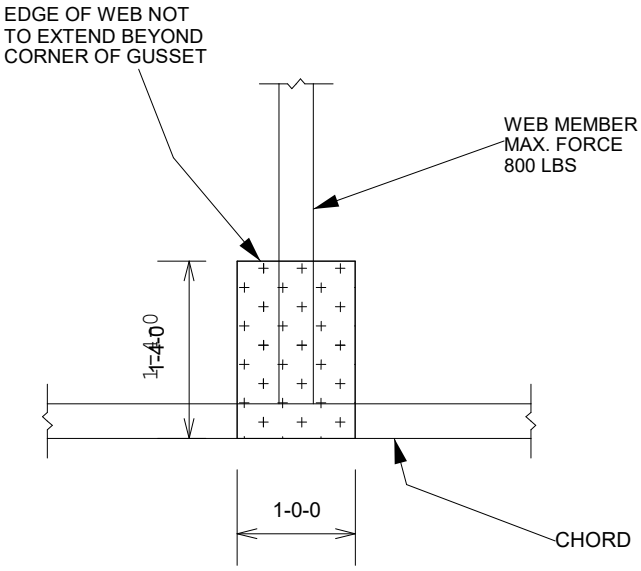
PROFILE	LABEL	PITCH	HEIGHT	SPAN	SPACING	REACTIONS		
	**V05**	5 /12	10-00	2-00-00	24" o.c	**REACTIONS**	(lb/size)	1=60/1-11-06, (min. 1-08), 3=60/1-11-06, (min. 1-08)
							Max Horiz	1=43 (LC 8)
							Max Uplift	1=-42 (LC 11), 3=-50 (LC 11)
	**V06**	5 /12	1-08-00	4-00-00	24" o.c	**REACTIONS**	(lb/size)	1=126/3-11-06, (min. 1-08), 3=126/3-11-06, (min. 1-08)
							Max Horiz	1=106 (LC 8)
							Max Uplift	1=-86 (LC 11), 3=-107 (LC 11)
	**V07**	5 /12	2-06-00	6-00-00	24" o.c	**REACTIONS**	(lb/size)	1=192/5-11-06, (min. 1-08), 3=192/5-11-06, (min. 1-08)
							Max Horiz	1=169 (LC 8)
							Max Uplift	1=-131 (LC 11), 3=-164 (LC 11)

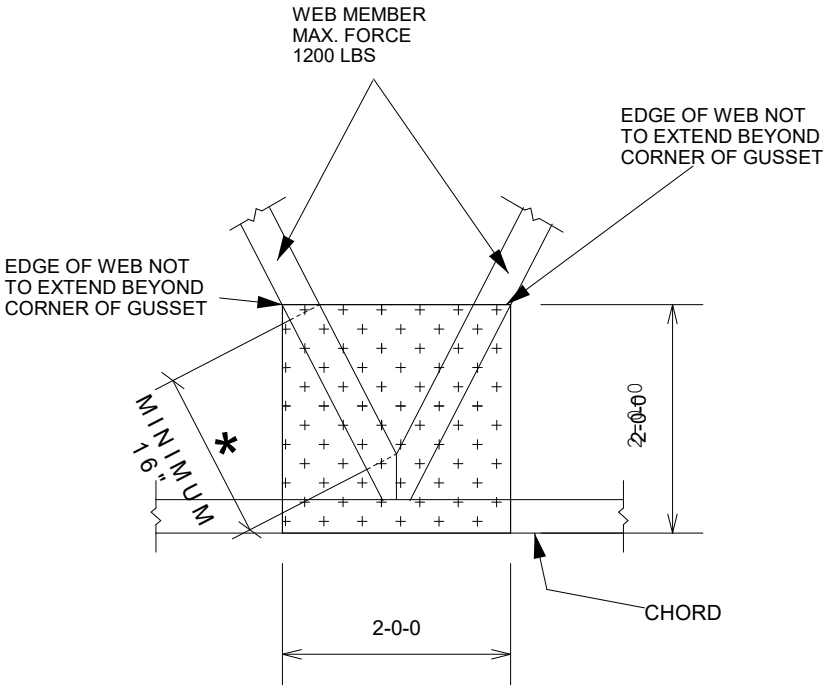
SEPTEMBER 1, 2021	MISSING PLATE REPAIR DETAIL	MII WEB PLATE

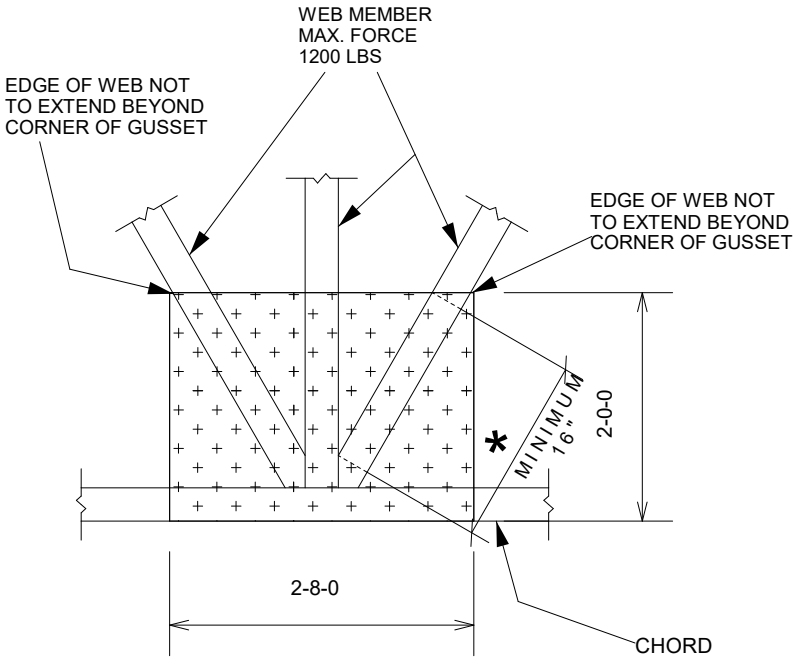
1. ALL MATERIAL IS 2x4
2. THIS DETAIL IS APPLICABLE FOR DESIGNS WITH DOLS. OF 1.15 OR 1.25 AND LUMBER SPECIES SP, DF, HF, OR SPF.
3. DETAIL SHALL BE USED FOR CONDITIONS OF A MISSING OR LOOSE CONNECTOR PLATE ONLY.
4. CHORD MATERIAL IS CONTINUOUS THROUGH JOINT, THERE IS NO MAXIMUM CHORD FORCE AND NO SPLICE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



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

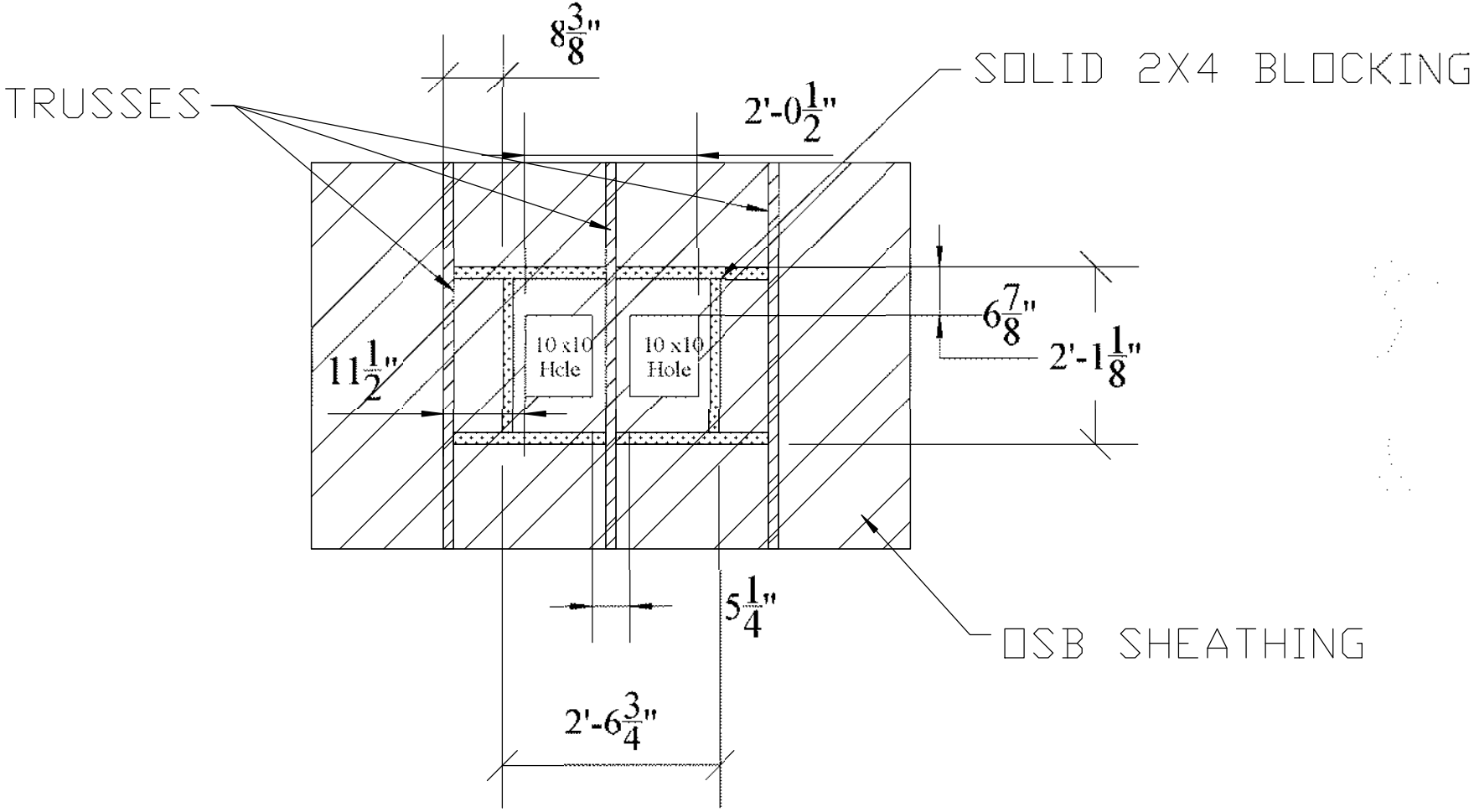






* MEASUREMENT TAKEN AT POINTS WHERE WEB ACHIEVES FULL MEMBER DEPTH (AS MEASURED PERPENDICULAR TO WEB'S SAW-MILLED EDGE)

OFF-RIDGE INSTALLATION



LAMANCO OFF RIDGE VENT FRAMING DETAIL

Maronda Homes

TRUSS DETAILS

OFF-RIDGE INSTALLATION

DRAWN BY: J.FESSIA | GARAGE:

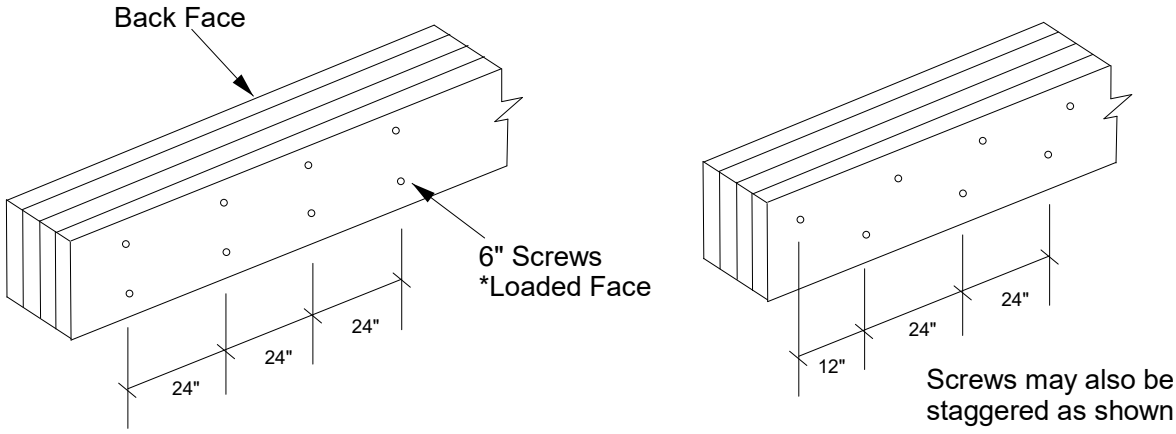
RELEASE DATE: 12/9/09

SHEET:

OR1

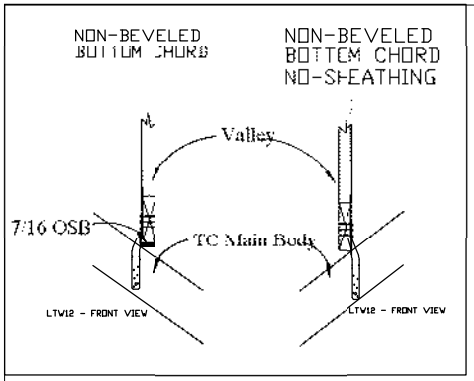
FLORIDA RESIDENTIAL CODE 2007 - RESIDENTIAL

Four ply girder trusses are to be connected together using the nailing or screw schedule provided by MiTek 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 Pro Series WSWH6, FastenMaster Trusslok-Z 6", FastenMaster FlatLOK FL006, *Simpson SDS1/4 x 6, Simpson SDW22600 (for assemblies between 6" and 6 3/16"), or Simpson SDW22638 (for assemblies between 6 3/16" and 6 3/8" thick).
These screws are to be installed in two rows spaced 24"o.c. in 2x6 and larger chords (use one row in 2x4 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.



It is vitally important that the plies are tightly clamped together during the installation of the screws to prevent gaps between the plies.
USP WS6, MiTek Pro Series WSWH6, FastenMaster Trusslok-Z6", FastenMaster FlatLOK FL006, and Simpson SDW screws may be installed from either face.
*Note that Simpson SDS Screws must be installed from the loaded face.

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



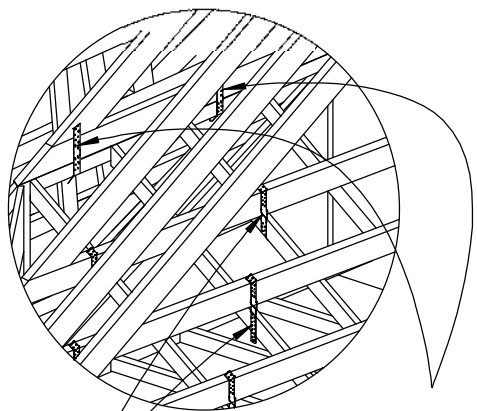
VALLEY CONNECTIONS

(ELEMENTS NOT SHOWN FOR CLARITY)

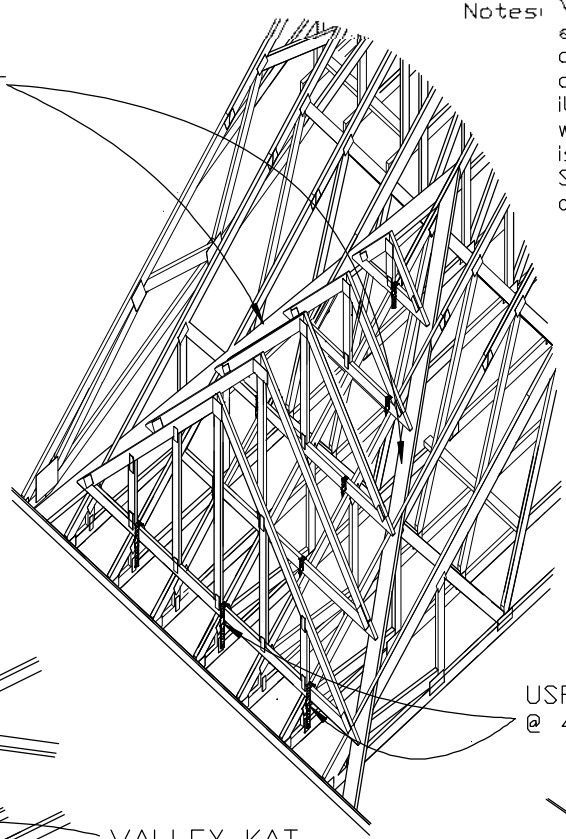
Notes:

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

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



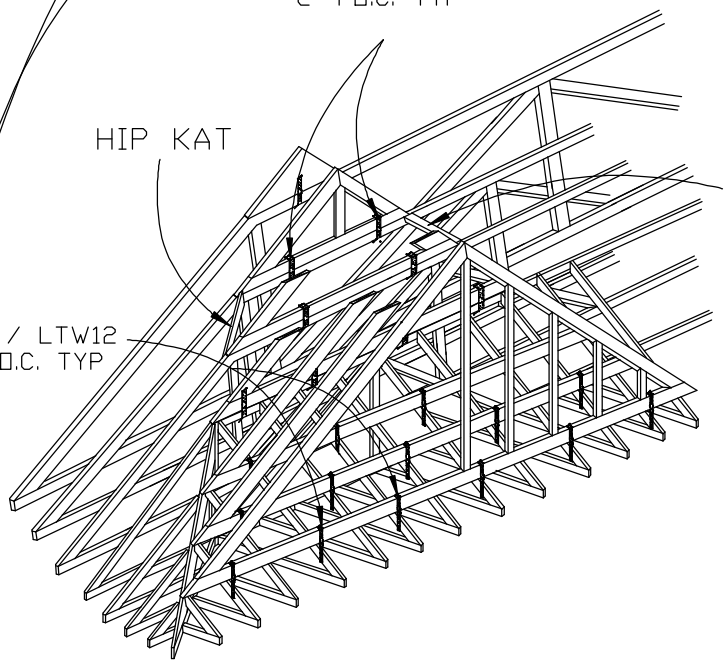
USP / MSTA12
@ 4'O.C. TYP



VALLEY KAT

USP / LTW12
@ 4'O.C. TYP

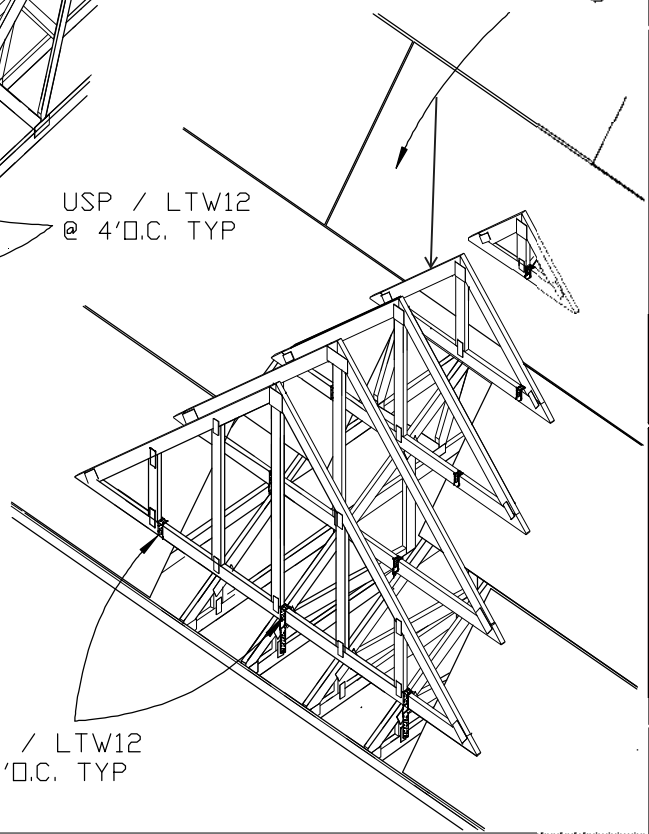
7/16 Sheathing



HIP KAT

VALLEY KAT

USP / LTW12
@ 4'O.C. TYP



USP / LTW12
@ 4'O.C. TYP

REVISIONS

Maronda Homes

TRUSS DETAILS

VALLEY CONNECTIONS

DRAWN BY: J.FESSIA

RELEASE DATE: 12/7/09

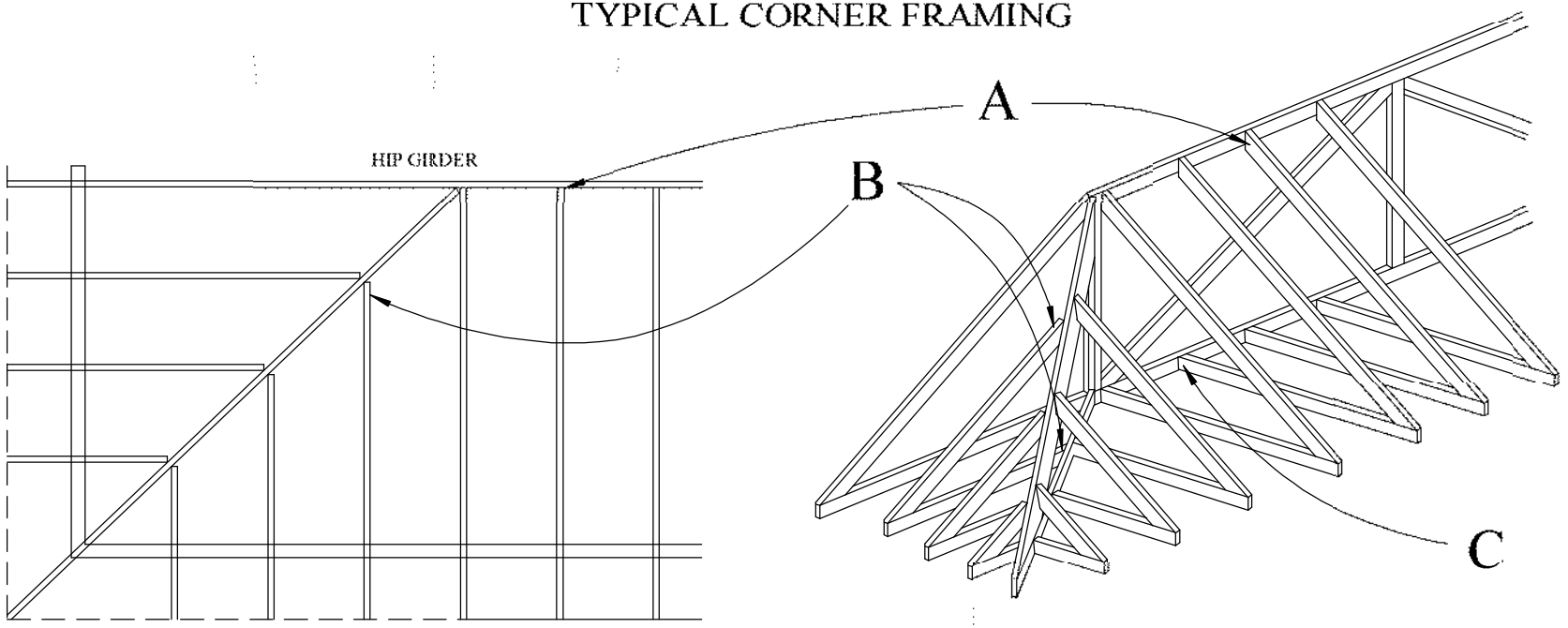
SHEET:

VC1

PLOT DATE:

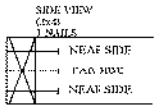
TOE-NAILED CONNECTIONS AT BEARING LOCATIONS

TYPICAL CORNER FRAMING

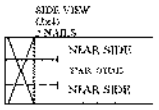


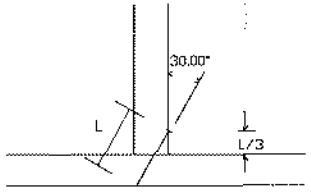
90 DEGREE ANGLE/SQUARE CUT

Connection at A



Connection at C

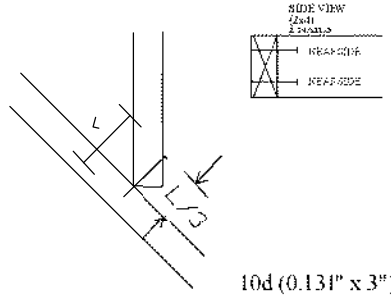




10d (0.131" x 3") nails

45 DEGREE ANGLE / SQUARE CUT

Connection at B



10d (0.131" x 3") nails

CONNECTION VALUES:

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

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

Marcela Homes

TRUSS DETAILS

TOE-NAILED CONNECTIONS

DRAWN BY: GARAGE

BLDG ASSUMED DATE: 2/9/09

SHEET:

TN1

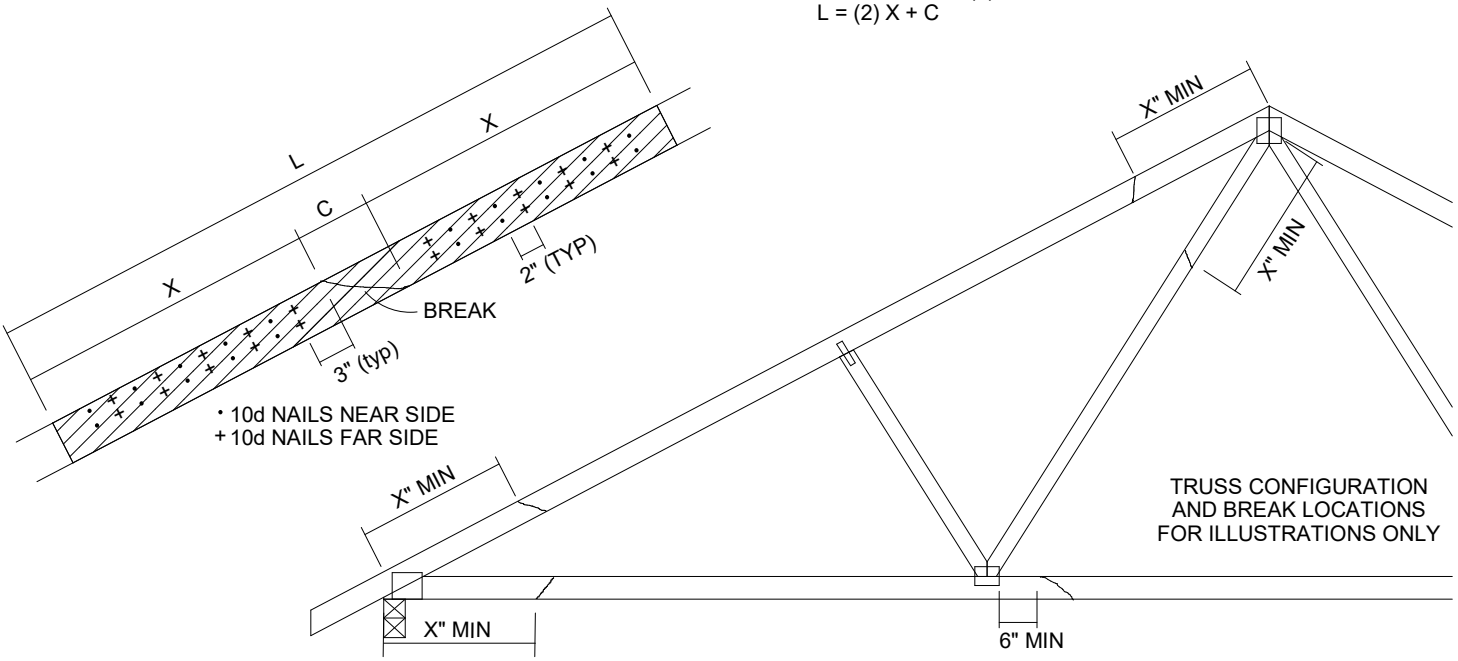
MiTek® ENGINEERED BY TRENCO A MiTek Affiliate

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

* DIVIDE EQUALLY FRONT AND BACK

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

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



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

DO NOT USE REPAIR FOR JOINT SPLICES

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

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	GP01	Roof Special	1	3	Job Reference (optional)

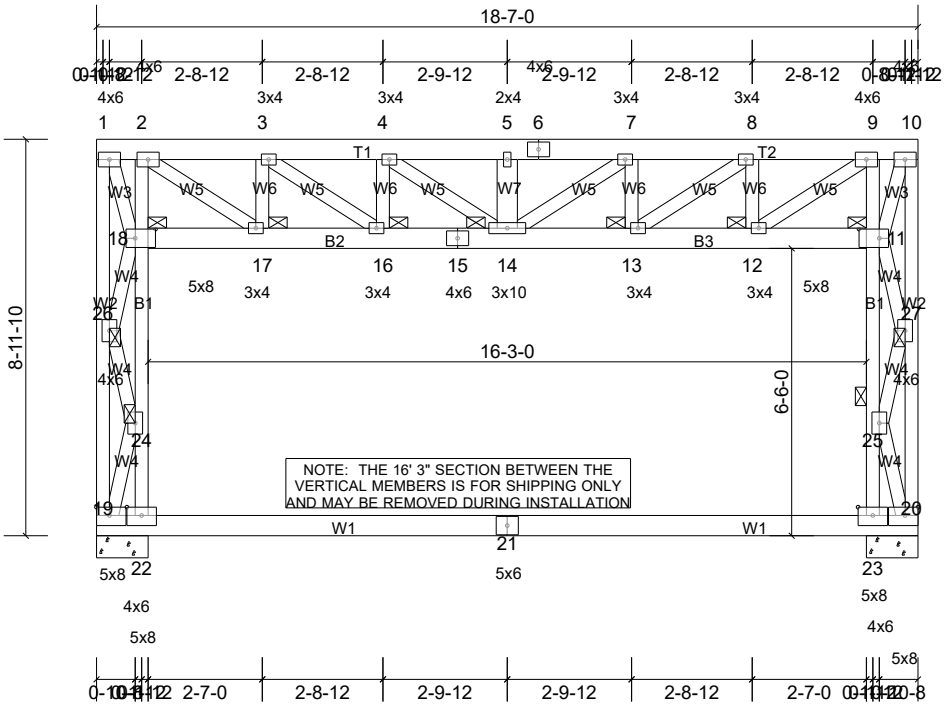


Plate Offsets (X, Y): [11:0-5-8,0-2-8], [18:0-5-8,0-2-8], [19:Edge,0-2-4], [20:Edge,0-2-4], [22:0-4-0,0-2-4], [23:0-4-0,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.01	14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.04	14	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.00	20	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 709 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-19, 10-20
JOINTS 1 Brace at Jt(s): 14, 17, 12, 16, 13, 24, 25, 18, 11

REACTIONS All bearings 1-2-0.
(lb) - Max Horiz 19=188 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) except 20=-1226 (LC 7), 22=-1187 (LC 7), 23=-653 (LC 7)
Max Grav All reactions 250 (lb) or less at joint(s) except 19=979 (LC 1), 20=2089 (LC 4), 22=1410 (LC 4), 23=876 (LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 19-26=-475/0, 1-26=-39/351, 2-3=-1135/122, 3-4=-1859/0, 4-5=-2112/0, 5-6=-2112/0, 6-7=-2112/0, 7-8=-1859/0, 8-9=-1111/156, 20-27=-1311/896, 10-27=-116/429
BOT CHORD 22-24=-1360/1137, 18-24=-1376/347, 2-18=-1211/47, 17-18=-789/478, 16-17=-290/1078, 15-16=0/1671, 14-15=-11/1671, 13-14=-21/1671, 12-13=-298/1087, 11-12=-812/502, 23-25=-826/603, 11-25=-1789/760, 9-11=-1497/449
WEBS 19-22=-115/287, 21-22=-118/285, 21-23=-118/285, 20-23=-123/295, 5-14=-322/0, 2-17=-229/1521, 9-12=-248/1540, 3-17=-884/164, 8-12=-907/187, 3-16=-445/1313, 8-13=-444/1311, 4-16=-715/299, 7-13=-710/294, 4-14=-675/953, 7-14=-676/954, 19-24=-539/0, 20-25=-831/352, 24-26=0/440, 25-27=-300/689, 18-26=-452/0, 11-27=-691/291, 1-18=-326/18, 10-11=-408/116

NOTES
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
6) * This truss has been designed for a 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 1226 lb uplift at joint 20, 1187 lb uplift at joint 22 and 652 lb uplift at joint 23.
8) This truss has been designed for a total drag load of 4000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 18-7-0 for 215.2 plf.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	GP01	Roof Special	1	**3**	Job Reference (optional)

Vert: 1-10=-117, 11-18=-20

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	H02	Hip	2	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.81 S Aug 19 2024 Print: 8.820 S Dec 31 2024 MiTek Industries, Inc. Fri Aug 02 14:11:28 — Page: 1

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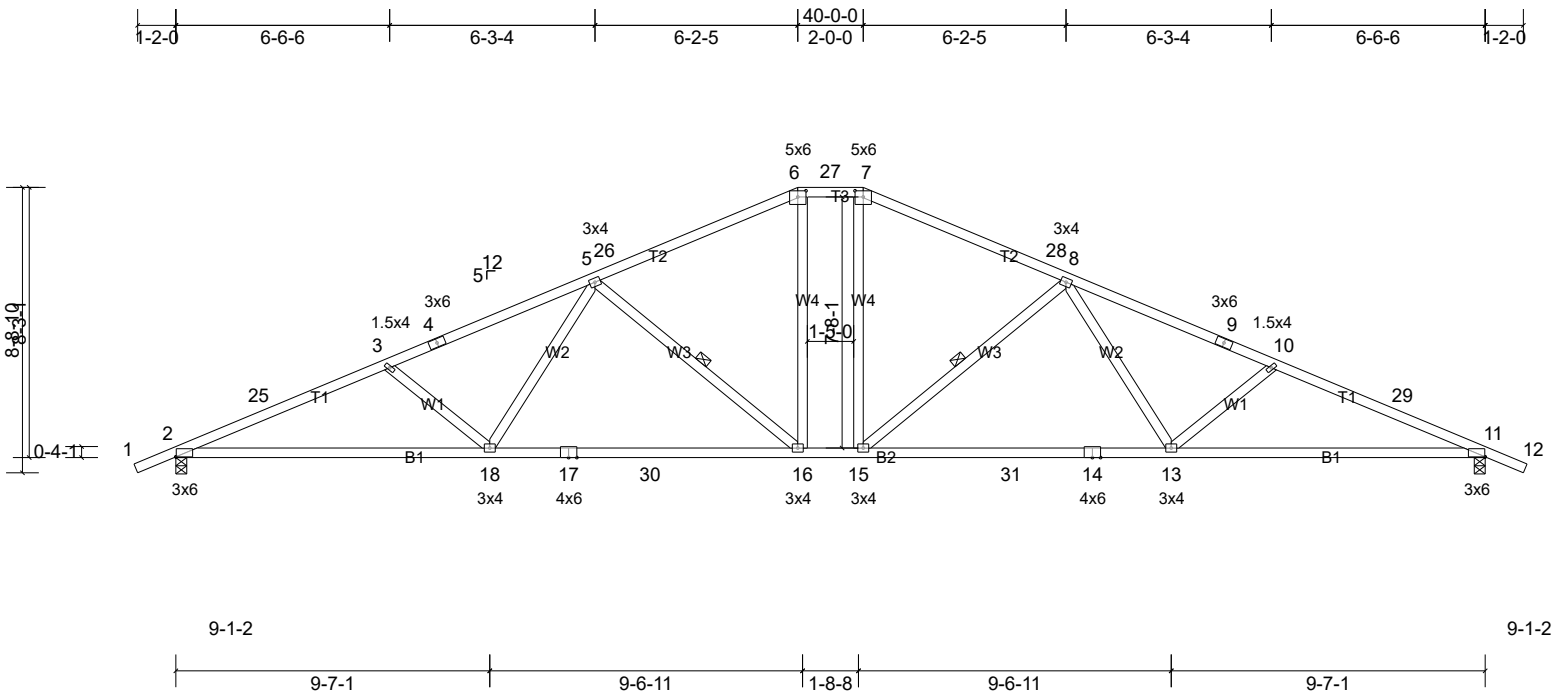

Plate Offsets (X, Y): [2:0-0-2,Edge], [6:0-3-0,0-2-4], [7:0-3-0,0-2-4], [11:0-0-2,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	0.46	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.72	16-18	>670	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.14	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 204 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-16, 8-15

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-9), 11=1376/0-4-0, (min. 0-1-9)
Max Horiz 2=-259 (LC 12)
Max Uplift 2=-901 (LC 11), 11=-901 (LC 12)
Max Grav 2=1544 (LC 2), 11=1544 (LC 2)

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

TOP CHORD 2-25=-3269/1813, 3-25=-3247/1824, 3-4=-3068/1610, 4-5=-3021/1628, 5-26=-2123/1226, 6-26=-2115/1246, 6-27=-1925/1212, 7-27=-1925/1212, 7-28=-2115/1246, 8-28=-2123/1226, 8-9=-3021/1629, 9-10=-3068/1610, 10-29=-3247/1825, 11-29=-3269/1813

BOT CHORD 2-18=-1805/2999, 17-18=-1313/2449, 17-30=-1313/2449, 16-30=-1313/2449, 15-16=-770/1925, 15-31=-1128/2449, 14-31=-1128/2449, 13-14=-1128/2449, 11-13=-1546/2999

WEBS 3-18=-327/476, 5-18=-251/672, 5-16=-724/717, 6-16=-281/655, 7-15=-281/655, 8-15=-724/717, 8-13=-251/672, 10-13=-327/476

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 -1-2-11 to 2-9-5, Zone1 2-9-5 to 19-0-0, Zone3 19-0-0 to 21-0-0, Zone2 21-0-0 to 26-7-14, Zone1 26-7-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 901 lb uplift at joint 2 and 901 lb uplift at joint 11.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	H03	Hip	2	1	Job Reference (optional)

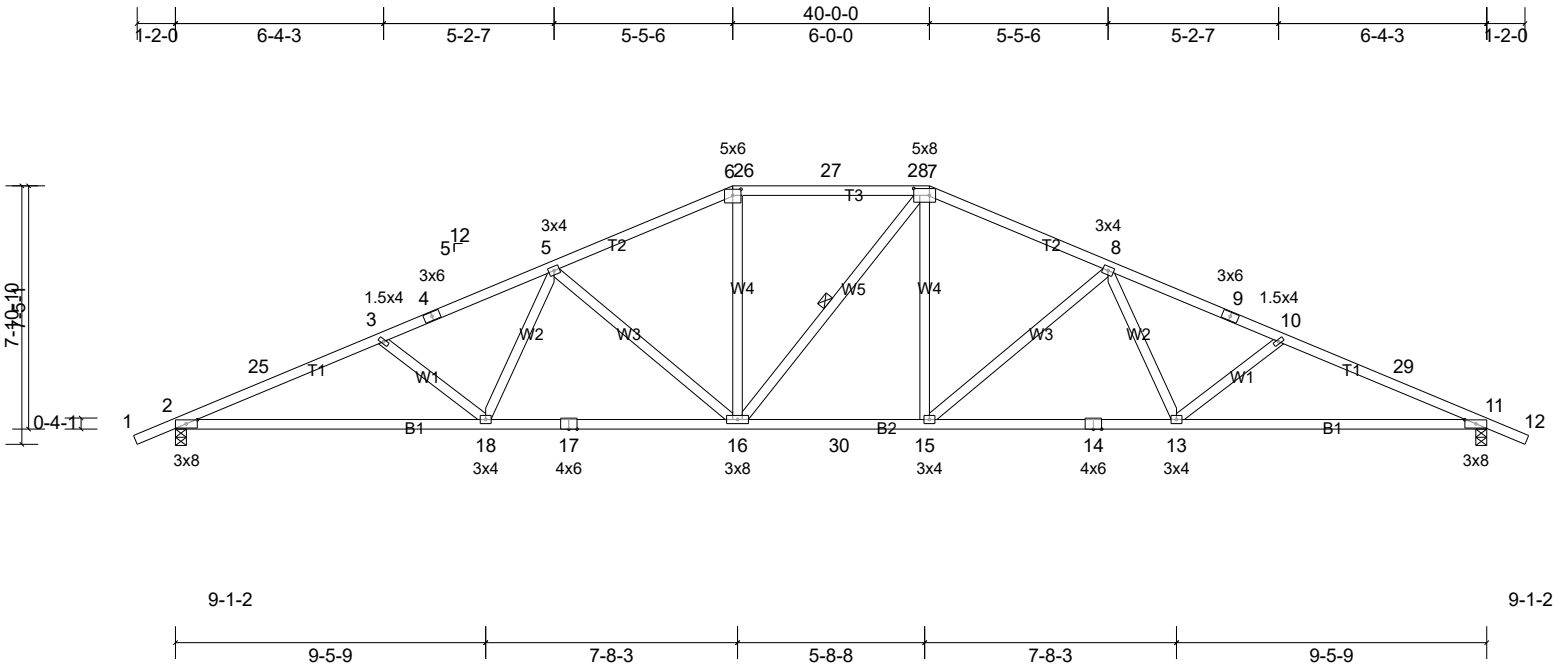

Plate Offsets (X, Y): [2:0-4-2,0-1-8], [6:0-3-0,0-2-4], [7:0-5-12,0-2-8], [11:0-4-2,0-1-8]

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	0.51	Vert(LL)	0.32	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.46	13-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.14	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 208 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-9), 11=1376/0-4-0, (min. 0-1-9)
Max Horiz 2=-234 (LC 12)
Max Uplift 2=-906 (LC 11), 11=-906 (LC 12)
Max Grav 2=1524 (LC 2), 11=1528 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-3208/1823, 3-25=-3185/1834, 3-4=-3007/1627, 4-5=-2965/1642, 5-6=-2272/1372, 6-26=-2072/1337, 26-27=-2072/1337, 27-28=-2072/1337, 7-28=-2072/1337, 7-8=-2279/1372, 8-9=-2973/1643, 9-10=-3015/1627, 10-29=-3193/1835, 11-29=-3216/1824
BOT CHORD 2-18=-1789/2945, 17-18=-1371/2526, 16-17=-1371/2526, 16-30=-892/2080, 15-30=-892/2080, 14-15=-1230/2534, 13-14=-1230/2534, 11-13=-1556/2952
WEBS 3-18=-306/439, 5-18=-195/535, 5-16=-618/583, 6-16=-246/642, 7-15=-304/655, 8-15=-618/583, 8-13=-196/535, 10-13=-306/439

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 -1-2-11 to 2-9-5, Zone1 2-9-5 to 17-0-0, Zone2 17-0-0 to 22-7-14, Zone1 22-7-14 to 23-0-0, Zone2 23-0-0 to 28-5-6, Zone1 28-5-6 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 906 lb uplift at joint 2 and 906 lb uplift at joint 11.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	H04	Hip	2	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.81 S Aug 19 2024 Print: 8.820 S Dec 31 2024 MiTek Industries, Inc. Fri Aug 02 14:11:28 — Page: 1

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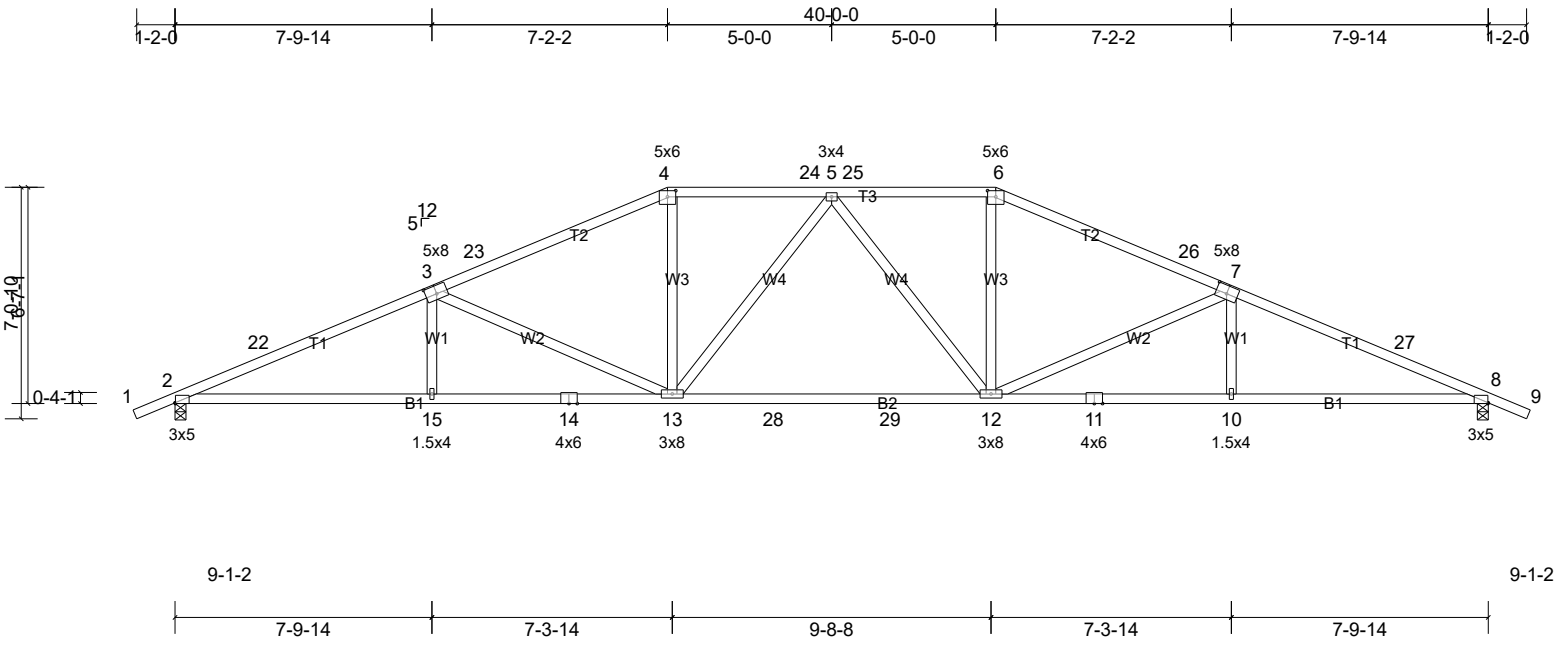

Plate Offsets (X, Y): [2:0-0-2,Edge], [3:0-4-0,0-3-0], [4:0-3-0,0-2-4], [6:0-3-0,0-2-4], [7:0-4-0,0-3-0], [8:0-0-2,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.42	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.75	12-13	>642	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.16	8	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 199 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-13), 8=1376/0-4-0, (min. 0-1-13)
Max Horiz 2=-208 (LC 12)
Max Uplift 2=-910 (LC 11), 8=-910 (LC 12)
Max Grav 2=1533 (LC 2), 8=1533 (LC 2)

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

TOP CHORD 2-22=-3217/1758, 3-22=-3187/1774, 3-23=-2530/1399, 4-23=-2471/1420, 4-24=-2297/1395, 5-24=-2297/1395, 5-25=-2297/1395, 6-25=-2297/1395, 6-26=-2471/1420, 7-26=-2530/1399, 7-27=-3187/1775, 8-27=-3217/1758

BOT CHORD 2-15=-1689/2942, 14-15=-1690/2935, 13-14=-1690/2935, 13-28=-1083/2367, 28-29=-1083/2367, 12-29=-1083/2367, 11-12=-1483/2935, 10-11=-1483/2935, 8-10=-1482/2942

WEBS 3-15=0/277, 3-13=-724/689, 4-13=-265/737, 5-13=-268/312, 5-12=-268/312, 6-12=-265/737, 7-12=-724/690, 7-10=0/277

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-11 to 2-9-5, Zone1 2-9-5 to 15-0-0, Zone2 15-0-0 to 20-7-14, Zone1 20-7-14 to 25-0-0, Zone2 25-0-0 to 30-7-14, Zone1 30-7-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 910 lb uplift at joint 2 and 910 lb uplift at joint 8.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	H05	Hip	1	1	Job Reference (optional)

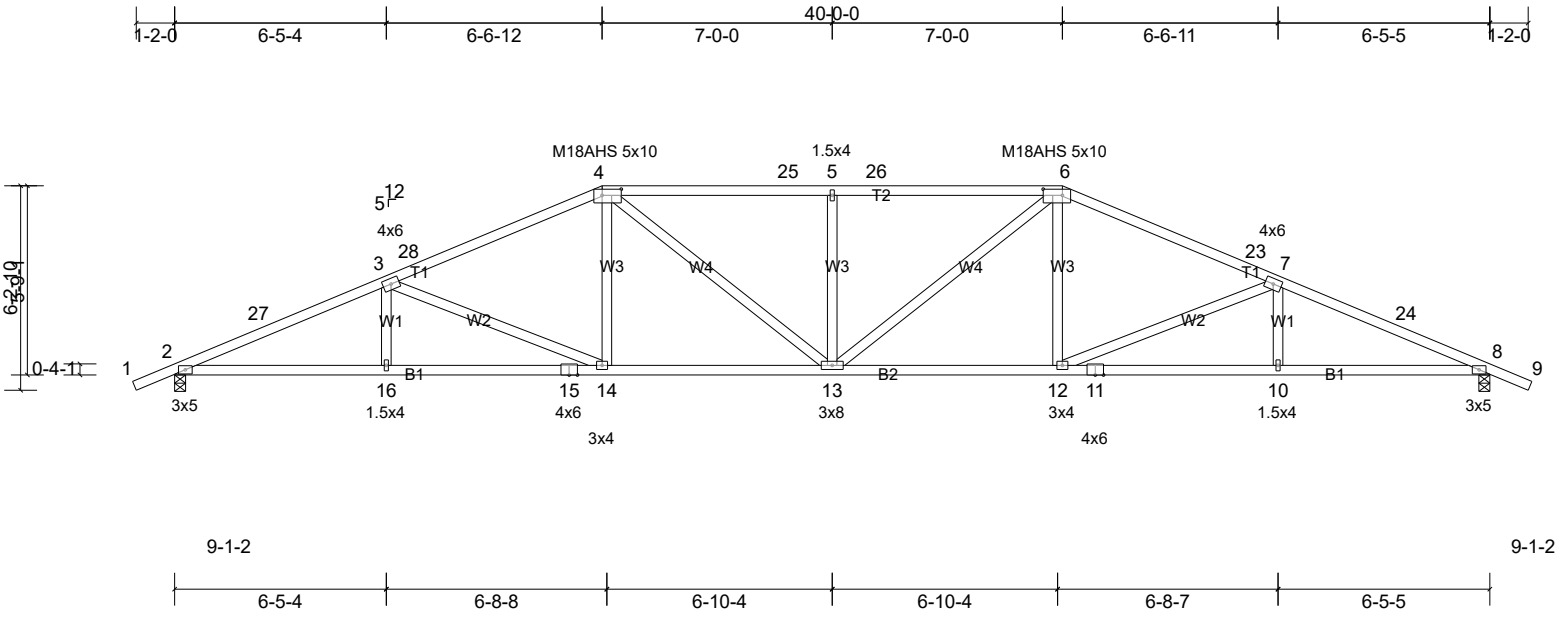

Plate Offsets (X, Y): [4:0-7-0,0-2-4], [6:0-7-0,0-2-4], [7:0-0-0,0-0-0]

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	0.61	Vert(LL)	0.41	13	>999	240	M18AHS	186/179
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.46	13-14	>999	180	MT20	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.16	8	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 202 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-10), 8=1376/0-4-0, (min. 0-1-10)
Max Horiz 2=-182 (LC 16)
Max Uplift 2=-914 (LC 11), 8=-914 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-23=-2323/1503, 7-23=-2383/1484, 7-24=-2908/1843, 8-24=-2941/1831, 4-25=-2460/1688, 5-25=-2460/1688, 5-26=-2460/1688, 6-26=-2460/1688, 2-27=-2942/1830, 3-27=-2909/1842, 3-28=-2383/1484, 4-28=-2323/1503
BOT CHORD 2-16=-1749/2685, 15-16=-1749/2685, 14-15=-1749/2685, 13-14=-1216/2153, 12-13=-1148/2153, 11-12=-1567/2685, 10-11=-1567/2685, 8-10=-1567/2685
WEBS 4-14=-136/366, 5-13=-353/479, 4-13=-409/509, 3-14=-603/578, 6-13=-409/509, 6-12=-136/366, 7-12=-603/580

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 -1-2-11 to 2-9-5, Zone1 2-9-5 to 13-0-0, Zone2 13-0-0 to 18-7-14, Zone1 18-7-14 to 27-0-0, Zone2 27-0-0 to 32-7-14, Zone1 32-7-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 914 lb uplift at joint 8 and 914 lb uplift at joint 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	H71	Hip	1	1	Job Reference (optional)

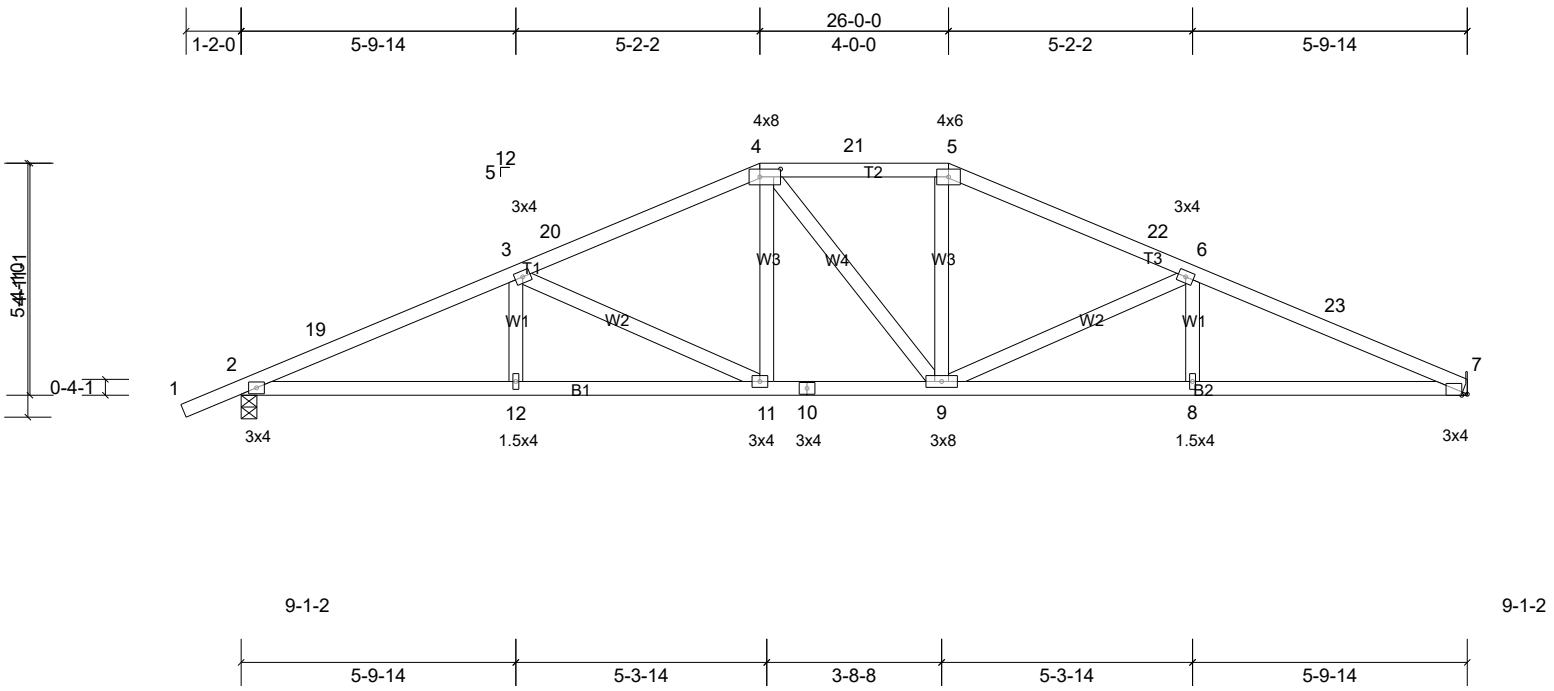

Plate Offsets (X, Y): [4:0-5-4,0-2-0], [7:0-1-6,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	0.14	11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.17	11-12	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 126 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=916/0-4-0, (min. 0-1-8), 7=857/ Mechanical, (min. 0-1-8)
Max Horiz 2=172 (LC 11)
Max Uplift 2=-613 (LC 11), 7=-546 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-1795/1095, 3-19=-1766/1108, 3-20=-1333/883, 4-20=-1283/898, 4-21=-1194/883, 5-21=-1194/883, 5-22=-1284/892, 6-22=-1334/877, 6-23=-1773/1112, 7-23=-1806/1103
BOT CHORD 2-12=-1056/1630, 11-12=-1056/1630, 10-11=-622/1192, 9-10=-622/1192, 8-9=-950/1641, 7-8=-950/1641
WEBS 3-11=-513/483, 4-11=-148/300, 5-9=-139/299, 6-9=-508/500

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 11-0-0, Zone3 11-0-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 26-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 546 lb uplift at joint 7 and 613 lb uplift at joint 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	H72P	Hip	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.81 S Aug 19 2024 Print: 8.820 S Dec 31 2024 MiTek Industries, Inc. Fri Aug 02 14:11:29 — Page: 1

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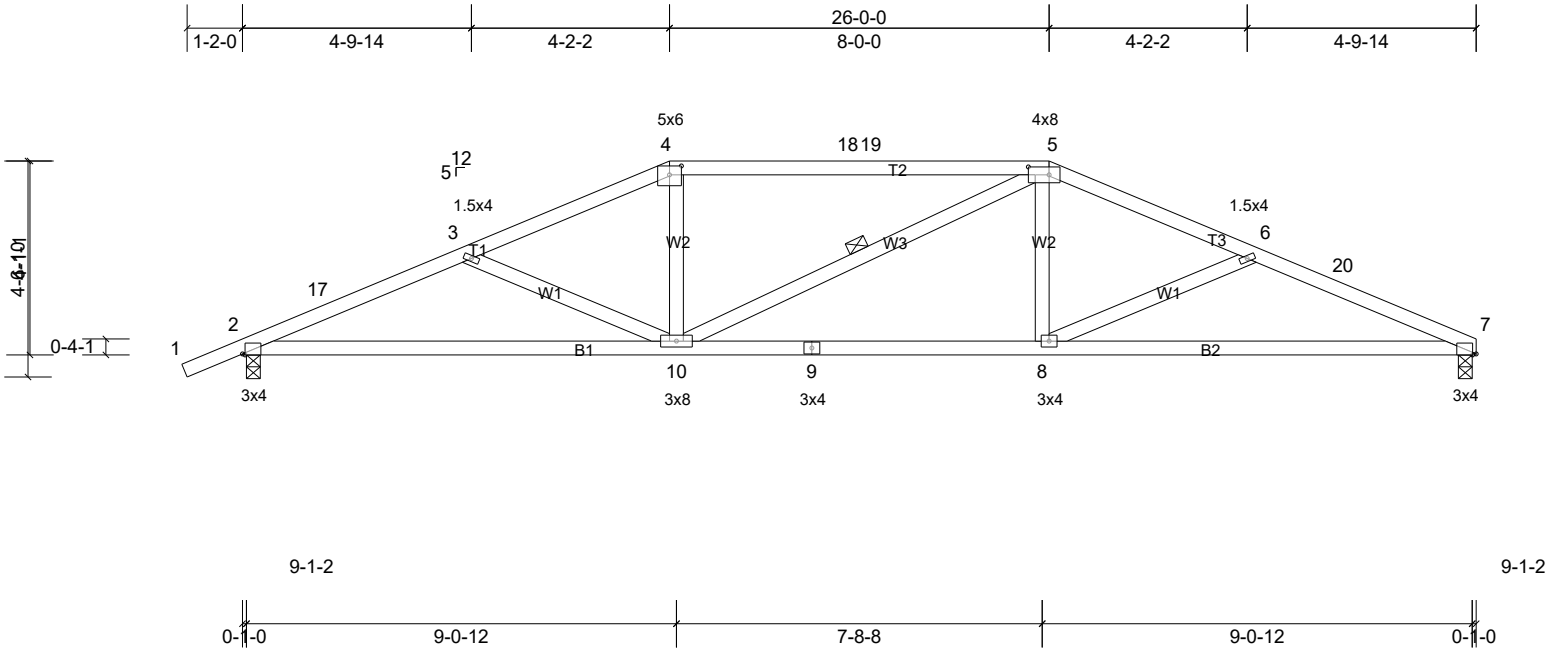


Plate Offsets (X, Y): [2:0-0-10,Edge], [4:0-3-0,0-2-4], [5:0-5-4,0-2-0], [7:0-0-14,Edge]

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	0.74	Vert(LL)	0.38	8-16	>819	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	0.28	8-16	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.08	7	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 118 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-10

REACTIONS (lb/size) 2=916/0-3-8, (min. 0-1-8), 7=857/0-3-8, (min. 0-1-8)
Max Horiz 2=147 (LC 11)
Max Uplift 2=-996 (LC 7), 7=-912 (LC 8)

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

TOP CHORD 2-17=-1780/2237, 3-17=-1764/2246, 3-4=-1532/1983, 4-18=-1395/1905, 18-19=-1395/1905, 5-19=-1395/1905, 5-6=-1536/1986, 6-20=-1757/2249, 7-20=-1791/2239

BOT CHORD 2-10=-2033/1628, 9-10=-1674/1398, 8-9=-1674/1398, 7-8=-2031/1641

WEBS 3-10=-267/402, 4-10=-420/277, 5-8=-430/282, 6-8=-277/412

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 17-0-0, Zone2 17-0-0 to 21-4-6, Zone1 21-4-6 to 26-0-0 zone; cantilever left and right exposed ; 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) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 996 lb uplift at joint 2 and 912 lb uplift at joint 7.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	HGR73P	Hip Girder	1	1	Job Reference (optional)

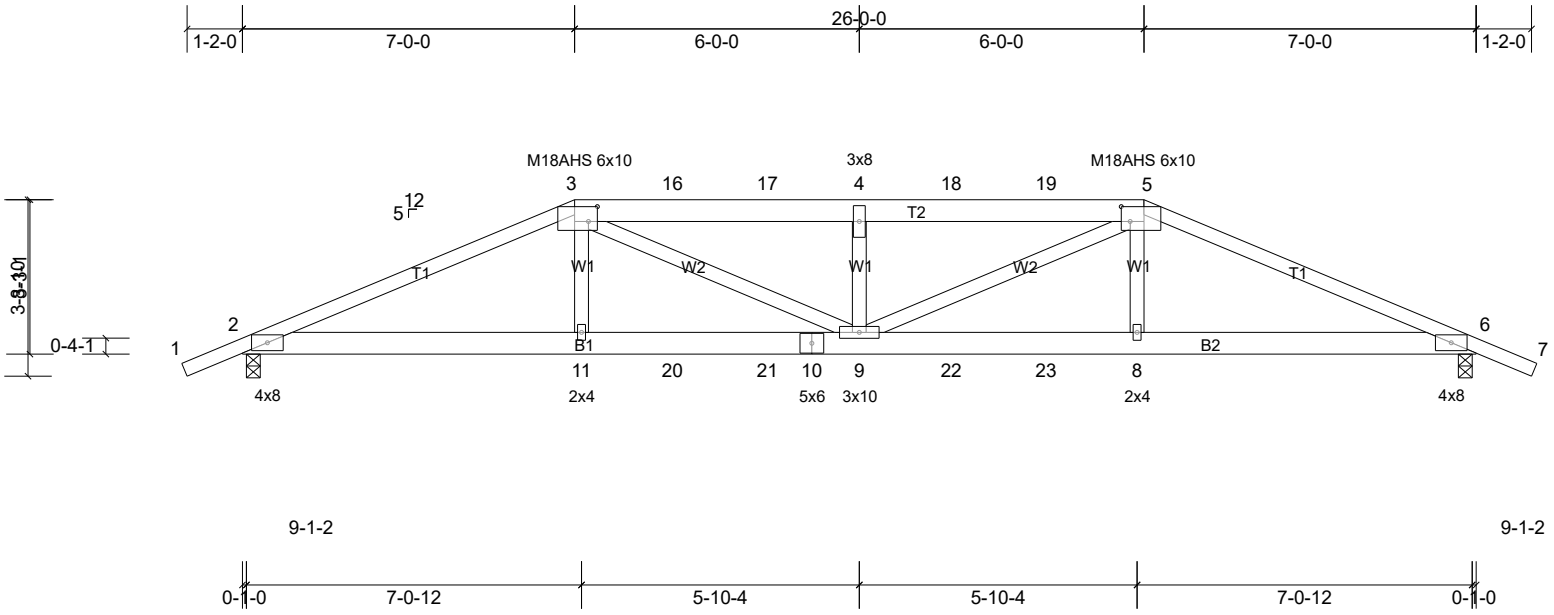


Plate Offsets (X, Y): [3:0-2-4,0-3-12], [5:0-2-4,0-3-12]

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	0.78	Vert(LL)	0.56	9	>561	240	M18AHS	186/179
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	0.44	9	>701	180	MT20	244/190
BCLL	0.0*	Rep Stress Incr	NO	WB	0.98	Horz(CT)	-0.16	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 144 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1D *Except* T2:2x6 SP No.1D
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-2-1 oc bracing.

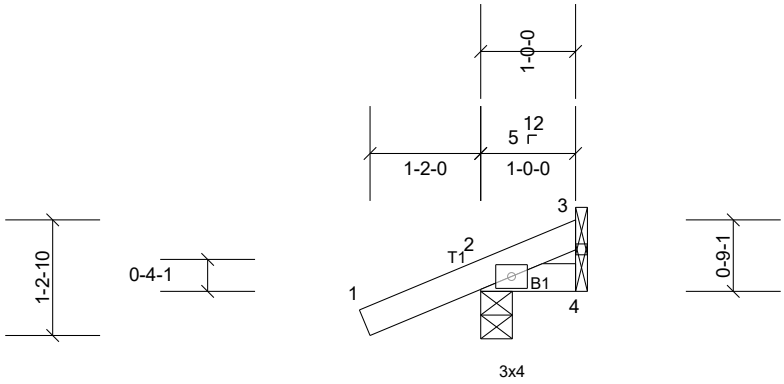
REACTIONS (lb/size) 2=1719/0-3-8, (min. 0-2-0), 6=1719/0-3-8, (min. 0-2-0)
Max Horiz 2=-103 (LC 8)
Max Uplift 2=-2123 (LC 3), 6=-2123 (LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3892/4881, 3-16=-4561/5864, 16-17=-4562/5865, 4-17=-4565/5866, 4-18=-4565/5866, 18-19=-4562/5865, 5-19=-4561/5864, 5-6=-3892/4881
BOT CHORD 2-11=-4408/3558, 11-20=-4447/3589, 20-21=-4447/3589, 10-21=-4447/3589, 9-10=-4447/3589, 9-22=-4436/3589, 22-23=-4436/3589, 8-23=-4436/3589, 6-8=-4397/3558
WEBS 3-11=-767/606, 5-8=-767/606, 4-9=-709/948, 3-9=-1410/1165, 5-9=-1410/1165

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch 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) * 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 2123 lb uplift at joint 2 and 2123 lb uplift at joint 6.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 145 lb down and 254 lb up at 7-0-0, 92 lb down and 163 lb up at 9-0-12, 92 lb down and 163 lb up at 11-0-12, 92 lb down and 159 lb up at 13-0-0, 92 lb down and 163 lb up at 14-11-4, and 92 lb down and 163 lb up at 16-11-4, and 145 lb down and 254 lb up at 19-0-0 on top chord, and 339 lb down and 553 lb up at 7-0-0, 54 lb down and 94 lb up at 9-0-12, 54 lb down and 94 lb up at 11-0-12, 54 lb down and 94 lb up at 13-0-0, 54 lb down and 94 lb up at 14-11-4, and 54 lb down and 94 lb up at 16-11-4, and 339 lb down and 553 lb up at 18-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-46, 3-5=-46, 5-7=-46, 2-6=-20
Concentrated Loads (lb)
Vert: 3=-107, 5=-107, 11=-339, 8=-339, 9=-51, 4=-92, 16=-92, 17=-92, 18=-92, 19=-92, 20=-51, 21=-51, 22=-51, 23=-51

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J15	Jack-Open	7	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	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 5 lb	FT = 20%

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

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

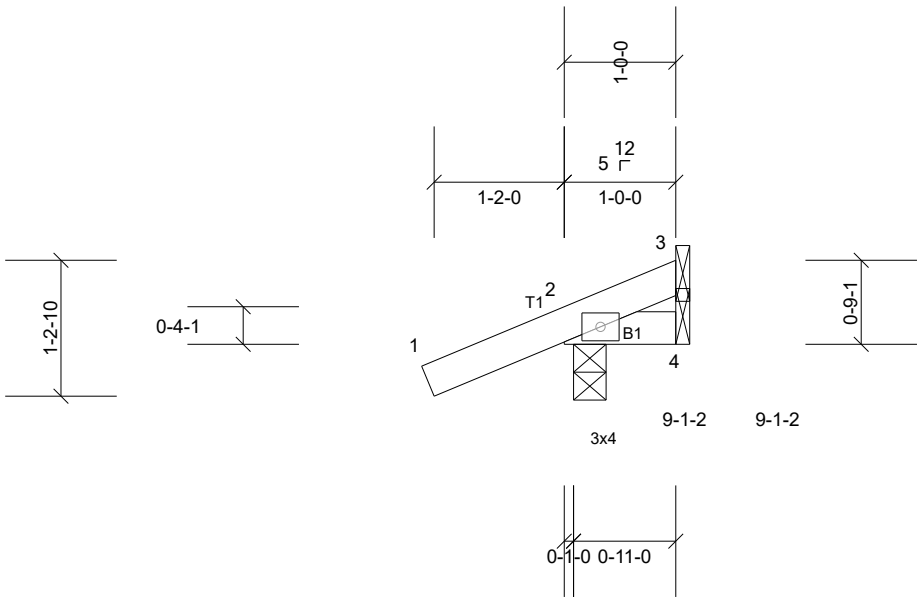
REACTIONS (lb/size) 2=124/0-4-0, (min. 0-1-8), 3=3/ Mechanical, (min. 0-1-8), 4=-5/ Mechanical, (min. 0-1-8)
Max Horiz 2=60 (LC 11)
Max Uplift 2=-150 (LC 7), 3=-2 (LC 11), 4=-5 (LC 1)
Max Grav 2=124 (LC 1), 3=10 (LC 7), 4=28 (LC 7)

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 ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 3, 150 lb uplift at joint 2 and 5 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J15P	Jack-Open	6	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	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 5 lb	FT = 20%

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

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

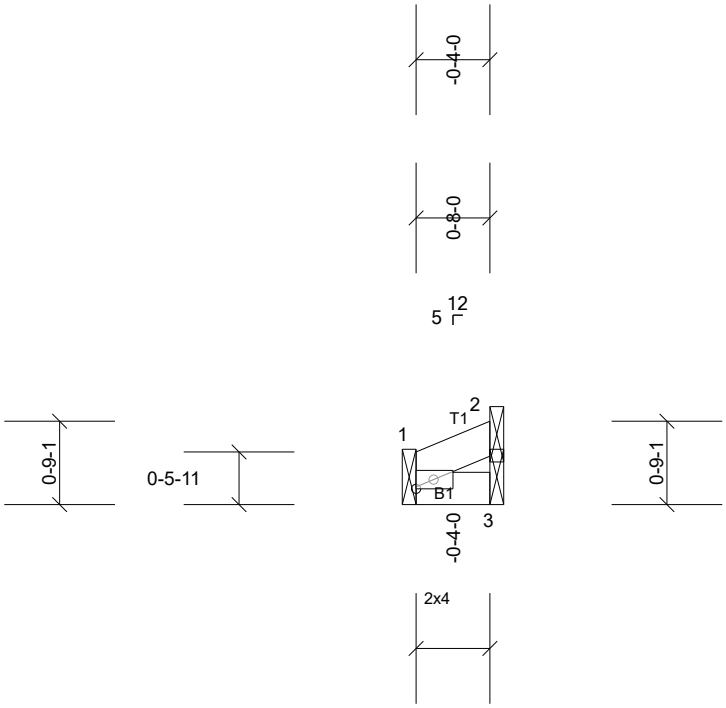
REACTIONS (lb/size) 2=124/0-3-8, (min. 0-1-8), 3=3/ Mechanical, (min. 0-1-8), 4=-5/ Mechanical, (min. 0-1-8)
Max Horiz 2=60 (LC 11)
Max Uplift 2=-167 (LC 7), 3=-8 (LC 8), 4=-5 (LC 1)
Max Grav 2=124 (LC 1), 3=7 (LC 16), 4=23 (LC 15)

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 ; 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
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 4, 8 lb uplift at joint 3 and 167 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J15S	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	0.01	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.01	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: 2 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 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=22/ Mechanical, (min. 0-1-8), 2=12/ Mechanical, (min. 0-1-8), 3=9/ Mechanical, (min. 0-1-8)
Max Horiz 1=19 (LC 11)
Max Uplift 1=-7 (LC 11), 2=-19 (LC 11), 3=-6 (LC 11)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 1, 19 lb uplift at joint 2 and 6 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J35	Jack-Open	3	1	Job Reference (optional)

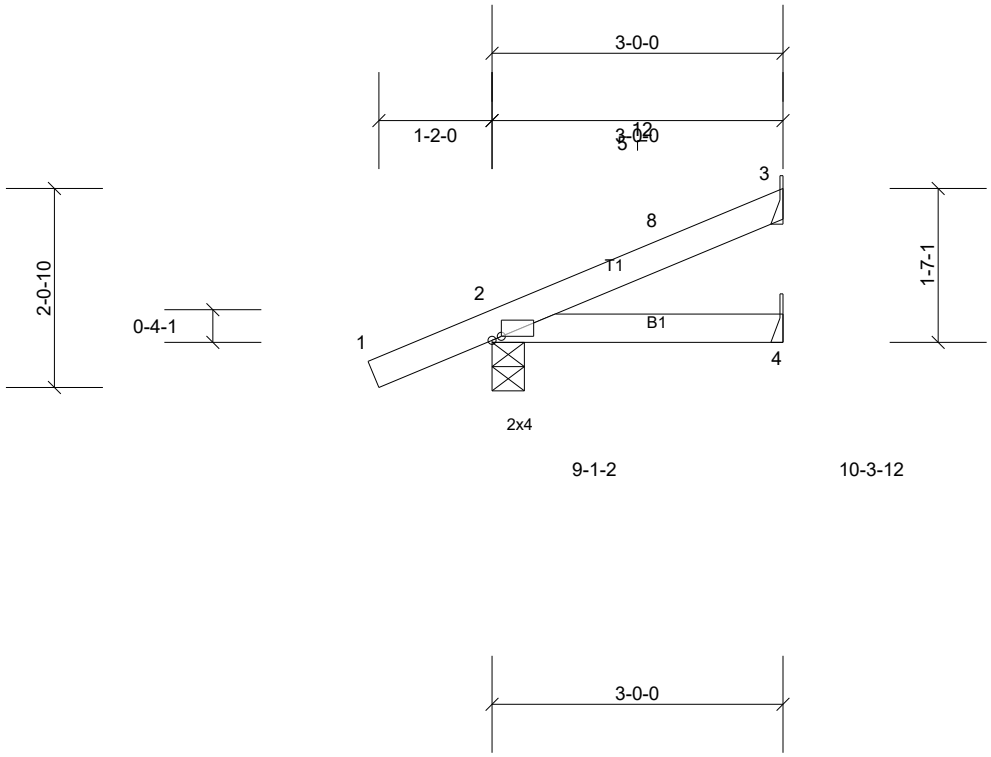


Plate Offsets (X, Y): [2:0-1-2,Edge]

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

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

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

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

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-11 to 1-9-5, Zone1 1-9-5 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 3, 135 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J35A	Jack-Open	1	1	Job Reference (optional)

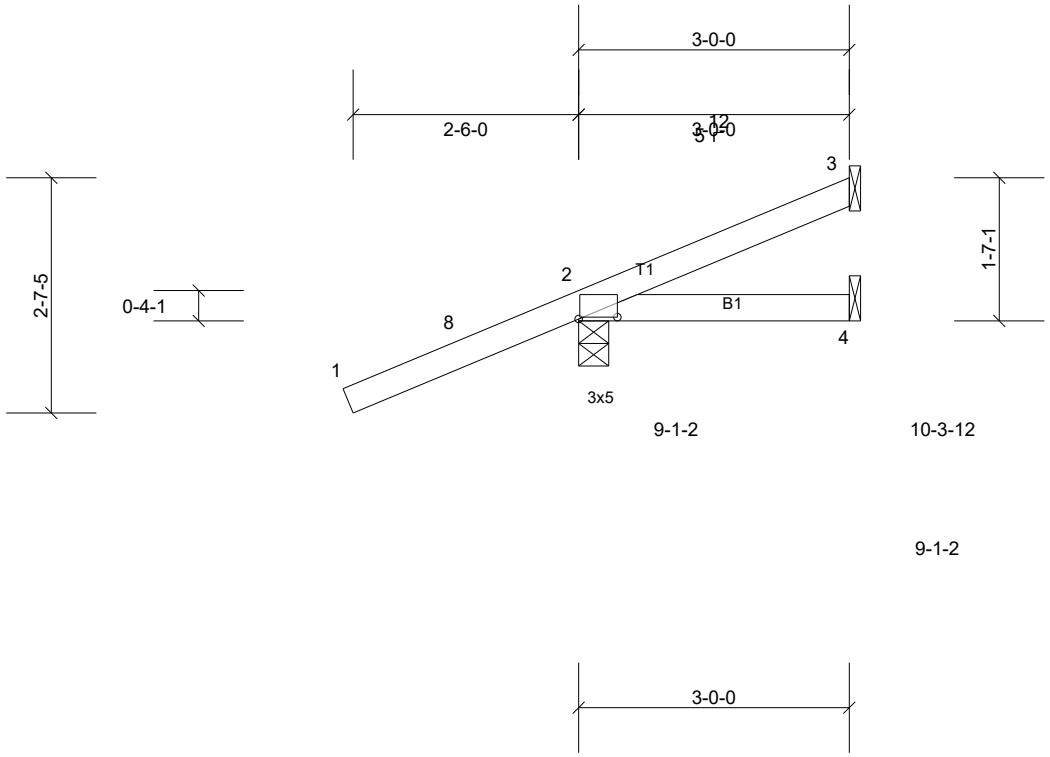


Plate Offsets (X, Y): [2:0-5-2,0-0-4]

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	0.71	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.02	4-7	>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: 14 lb	FT = 20%

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

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

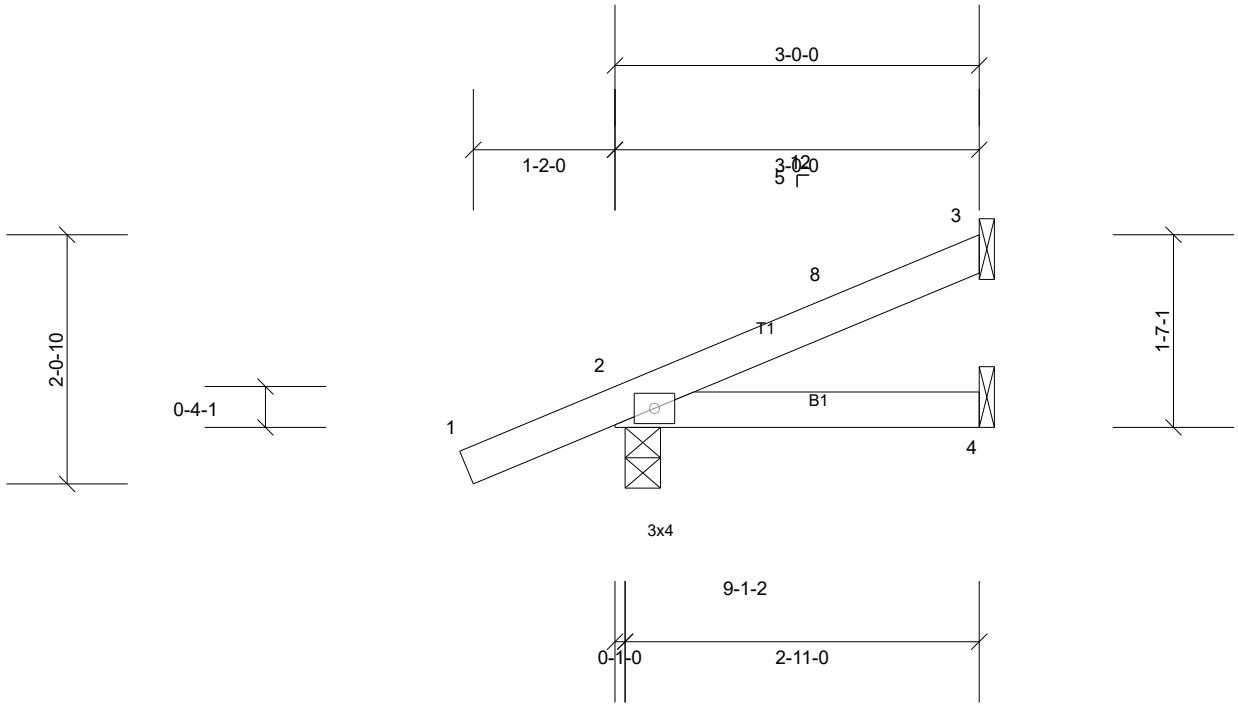
REACTIONS (lb/size) 2=266/0-4-0, (min. 0-1-8), 3=34/ Mechanical, (min. 0-1-8), 4=11/ Mechanical, (min. 0-1-8)
Max Horiz 2=152 (LC 11)
Max Uplift 2=-289 (LC 7), 3=-50 (LC 11)
Max Grav 2=266 (LC 1), 3=34 (LC 1), 4=41 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-707/189
BOT CHORD 2-4=-160/627

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 -2-6-11 to 0-7-13, Zone1 0-7-13 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 3 and 289 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J35P	Jack-Open	6	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	0.21	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.01	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 11 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=165/0-3-8, (min. 0-1-8), 3=54/ Mechanical, (min. 0-1-8), 4=32/ Mechanical, (min. 0-1-8)
Max Horiz 2=118 (LC 11)
Max Uplift 2=-182 (LC 7), 3=-77 (LC 11), 4=-36 (LC 8)

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 2-11-4 zone; cantilever left and right exposed ; 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
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 3, 36 lb uplift at joint 4 and 182 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J55	Jack-Open	3	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.82 S Dec 31 2024 Print: 8.820 S Dec 31 2024 MiTek Industries, Inc. Fri Aug 02 14:11:30 — Page: 1

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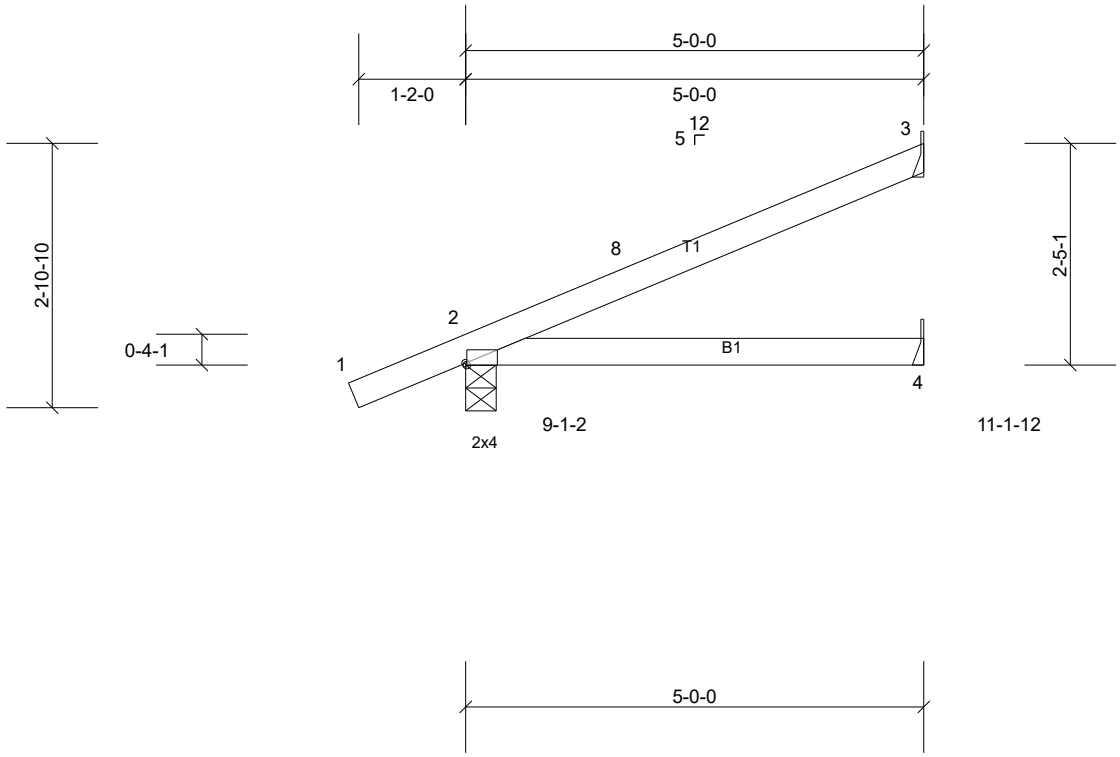


Plate Offsets (X, Y): [2:0-0-2,Edge]

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

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

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

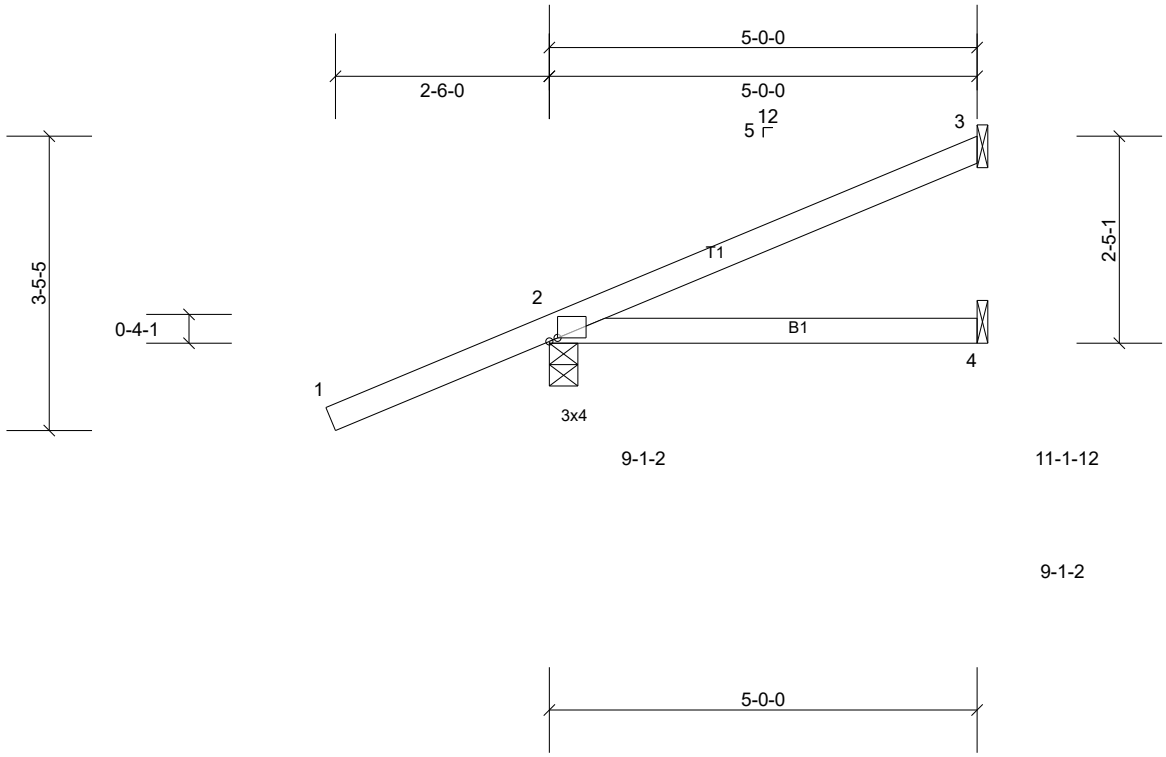
REACTIONS (lb/size) 2=226/0-4-0, (min. 0-1-8), 3=100/ Mechanical, (min. 0-1-8), 4=56/ Mechanical, (min. 0-1-8)
Max Horiz 2=177 (LC 11)
Max Uplift 2=-167 (LC 11), 3=-145 (LC 11), 4=-2 (LC 11)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-11 to 1-9-5, Zone1 1-9-5 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 3, 167 lb uplift at joint 2 and 2 lb uplift at joint 4.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J55A	Jack-Open	1	1	Job Reference (optional)



9-1-2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 20 lb	FT = 20%

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

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

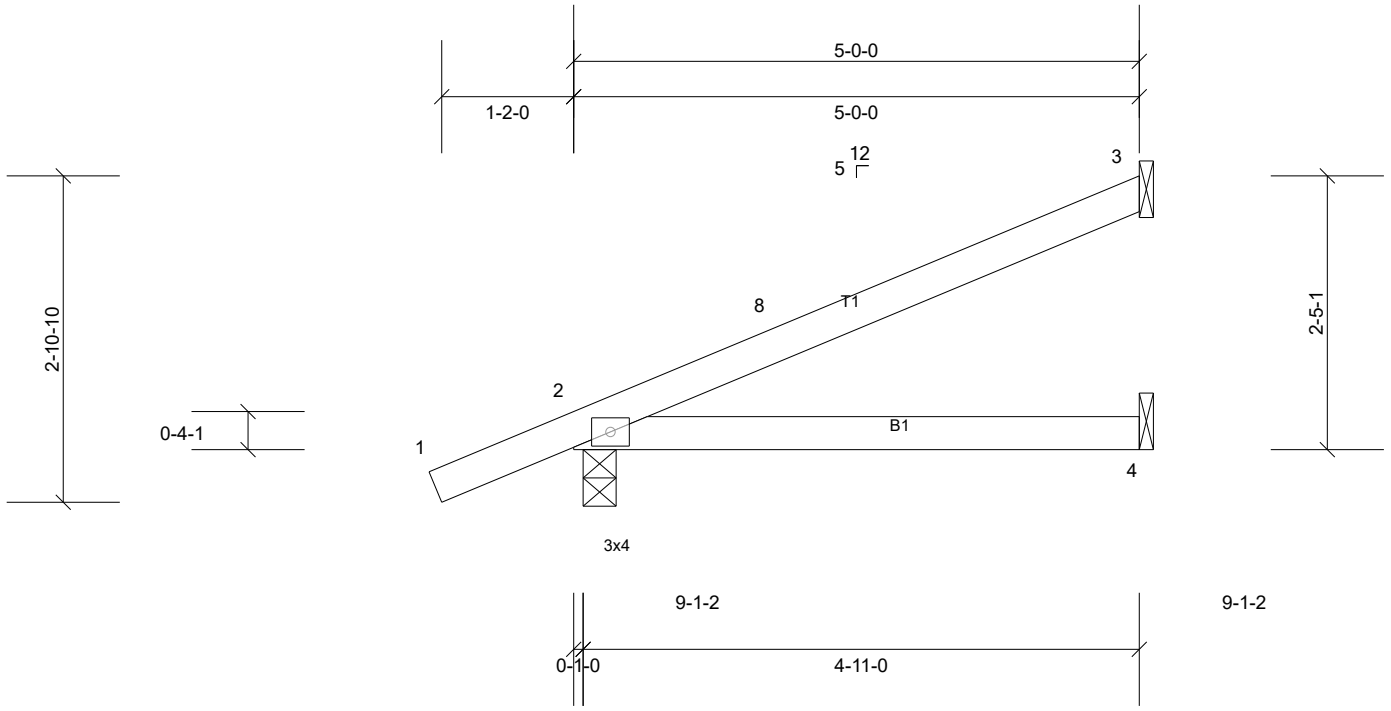
REACTIONS (lb/size) 2=311/0-4-0, (min. 0-1-8), 3=89/ Mechanical, (min. 0-1-8), 4=43/ Mechanical, (min. 0-1-8)
Max Horiz 2=211 (LC 11)
Max Uplift 2=-275 (LC 7), 3=-130 (LC 11)
Max Grav 2=311 (LC 1), 3=89 (LC 1), 4=44 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-760/174
BOT CHORD 2-4=-121/607

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 -2-6-11 to 0-7-13, Zone1 0-7-13 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 3 and 275 lb uplift at joint 2.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J55P	Jack-Open	6	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	0.55	Vert(LL)	0.10	4-7	>581	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	0.09	4-7	>697	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 18 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=226/0-3-8, (min. 0-1-8), 3=100/ Mechanical, (min. 0-1-8), 4=56/ Mechanical, (min. 0-1-8)
Max Horiz 2=177 (LC 11)
Max Uplift 2=-230 (LC 7), 3=-145 (LC 11), 4=-61 (LC 8)

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 4-11-4 zone; cantilever left and right exposed ; 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
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 3, 61 lb uplift at joint 4 and 230 lb uplift at joint 2.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J75	Jack-Open	4	1	Job Reference (optional)

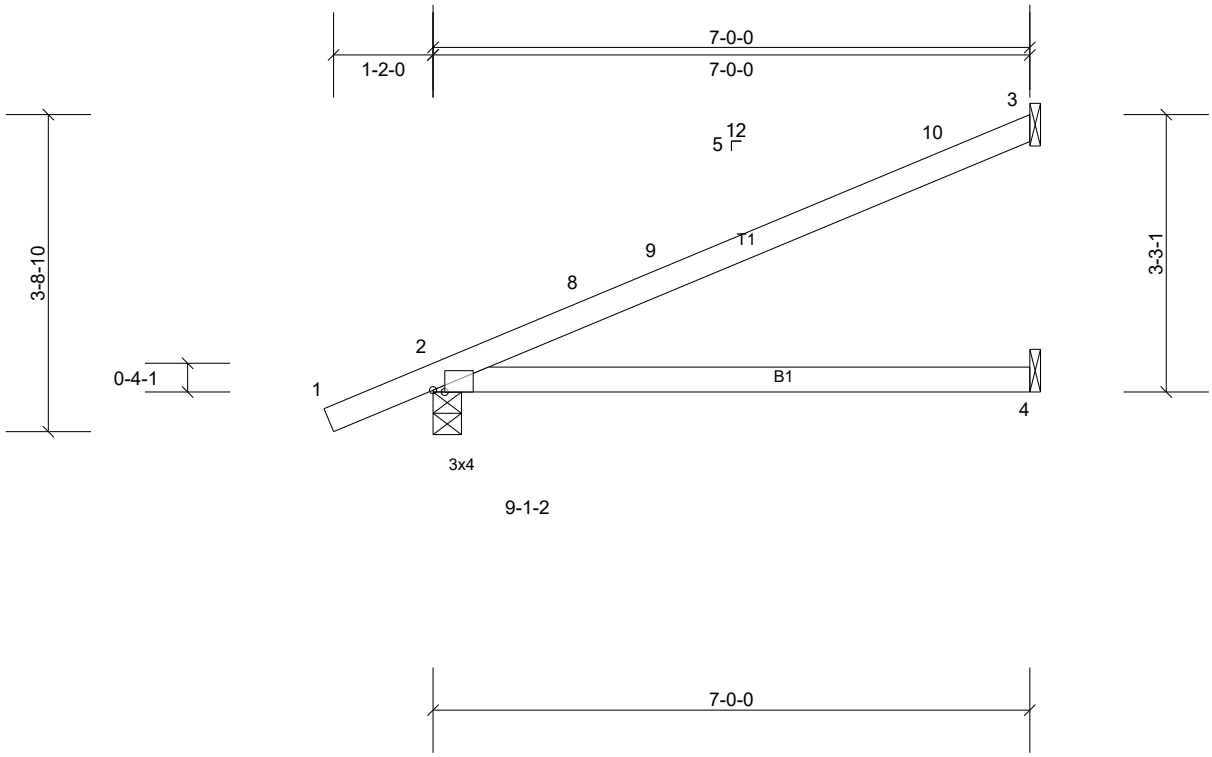


Plate Offsets (X, Y): [2:0-1-10,Edge]

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

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

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

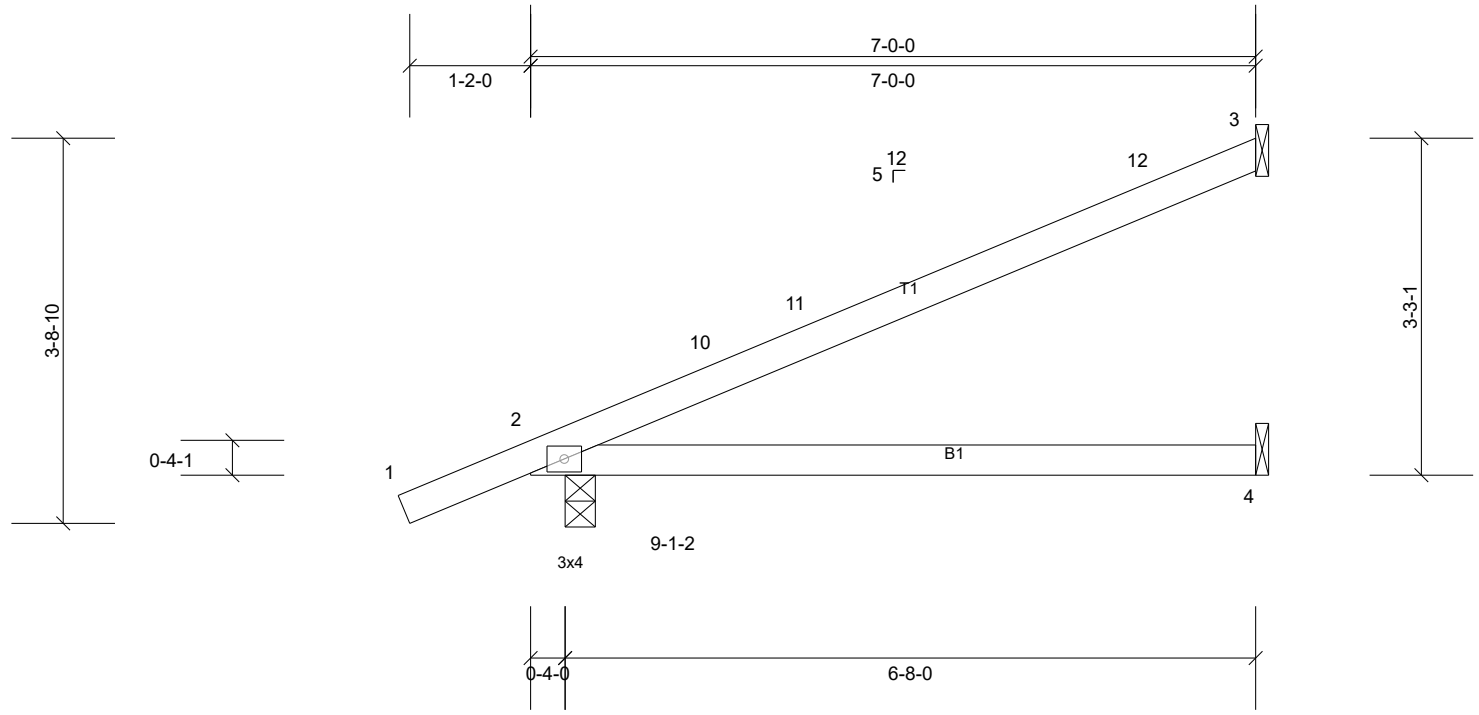
REACTIONS (lb/size) 2=290/0-4-0, (min. 0-1-8), 3=146/ Mechanical, (min. 0-1-8), 4=78/ Mechanical, (min. 0-1-8)
Max Horiz 2=228 (LC 11)
Max Uplift 2=-205 (LC 11), 3=-191 (LC 11)

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 6-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 3 and 205 lb uplift at joint 2.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	J75P	Jack-Open	9	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	0.98	Vert(LL)	0.28	4-9	>303	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	0.22	4-9	>378	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-AS							Weight: 24 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=305/0-3-8, (min. 0-1-8), 3=138/ Mechanical, (min. 0-1-8), 4=71/ Mechanical, (min. 0-1-8)
Max Horiz 2=228 (LC 11)
Max Uplift 2=-297 (LC 7), 3=-186 (LC 11), 4=-80 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-379/254
BOT CHORD 2-4=-163/522

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 6-11-4 zone; cantilever left and right exposed ; 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
2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 3, 297 lb uplift at joint 2 and 80 lb uplift at joint 4.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	JGR35	Diagonal Hip Girder	2	1	Job Reference (optional)

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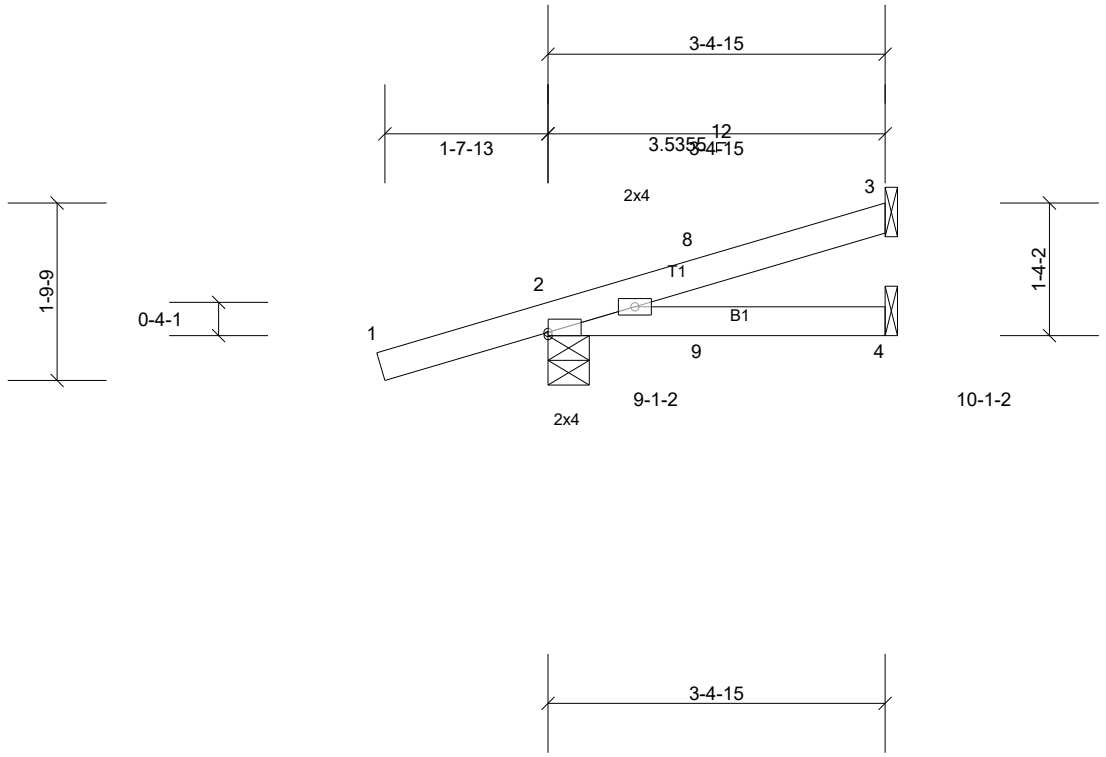


Plate Offsets (X, Y): [2:Edge,0-0-6]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.02	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	2	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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

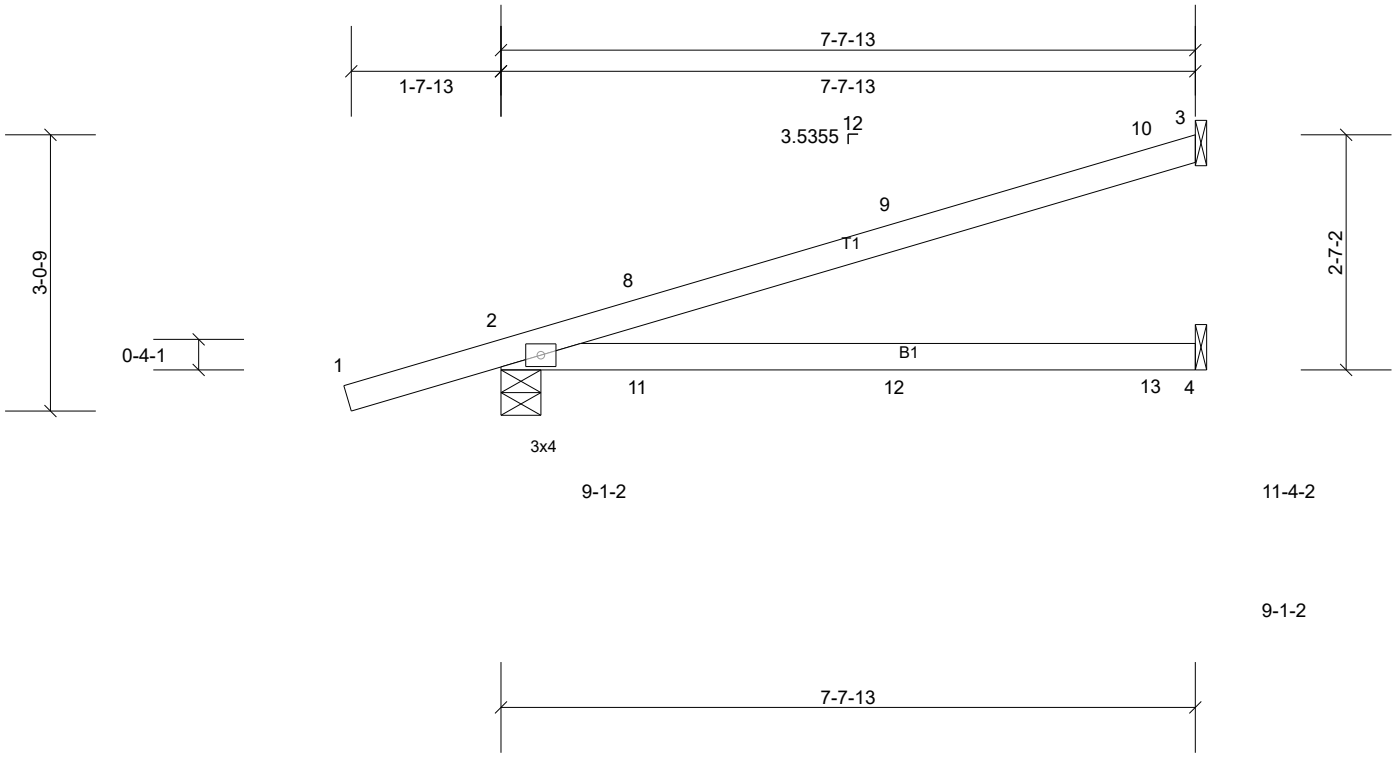
REACTIONS (lb/size) 2=158/0-5-0, (min. 0-1-8), 3=33/ Mechanical, (min. 0-1-8), 4=17/ Mechanical, (min. 0-1-8)
Max Horiz 2=117 (LC 3)
Max Uplift 2=-260 (LC 3), 3=-74 (LC 7)
Max Grav 2=199 (LC 20), 3=55 (LC 20), 4=75 (LC 5)

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

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 3 and 260 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 116 lb down and 45 lb up at 1-6-1, and 116 lb down and 45 lb up at 1-6-1 on top chord, and 31 lb down and 8 lb up at 1-6-1, and 31 lb down and 8 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: 1-3=-46, 4-5=-20
Concentrated Loads (lb)
Vert: 8=91

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	JGR65	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	0.57	Vert(LL)	0.28	4-7	>325	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.26	4-7	>346	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: 26 lb	FT = 20%

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

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

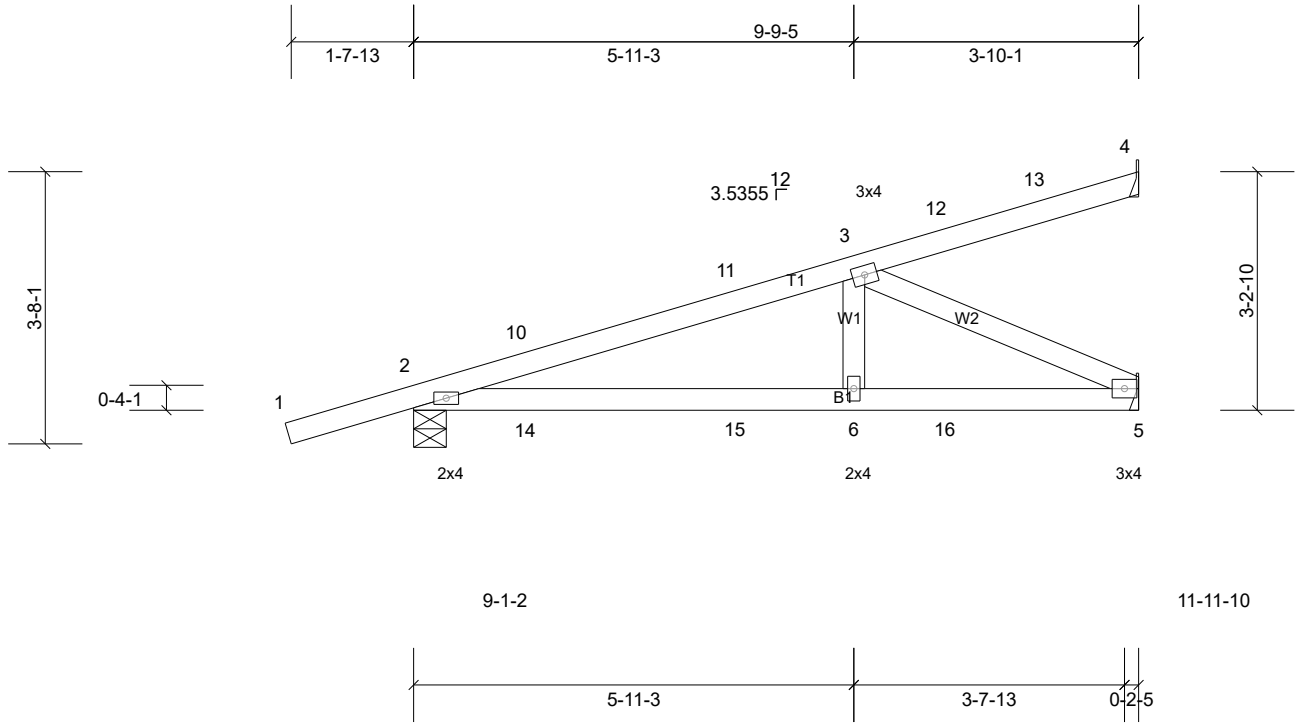
REACTIONS (lb/size) 2=273/0-5-5, (min. 0-1-8), 3=245/ Mechanical, (min. 0-1-8), 4=135/ Mechanical, (min. 0-1-8)
Max Horiz 2=206 (LC 3)
Max Uplift 2=-348 (LC 3), 3=-359 (LC 7), 4=-7 (LC 7)
Max Grav 2=329 (LC 20), 3=245 (LC 1), 4=153 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-357/22

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 359 lb uplift at joint 3, 348 lb uplift at joint 2 and 7 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 116 lb down and 45 lb up at 1-6-1, 116 lb down and 45 lb up at 1-6-1, 32 lb down and 48 lb up at 4-4-0, 37 lb down and 78 lb up at 4-4-0, and 61 lb down and 114 lb up at 7-1-15, and 63 lb down and 130 lb up at 7-1-15 on top chord, and 31 lb down and 8 lb up at 1-6-1, 31 lb down and 8 lb up at 1-6-1, 38 lb down and 8 lb up at 4-4-0, 9 lb down and 17 lb up at 4-4-0, and 42 lb down at 7-1-15, and 38 lb down and 13 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: 1-3=-46, 4-5=-20
Concentrated Loads (lb)
Vert: 8=91, 9=0, 10=-104, 12=3, 13=-62

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	JGR75	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	0.40	Vert(LL)	0.07	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.07	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 41 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-6 oc bracing.

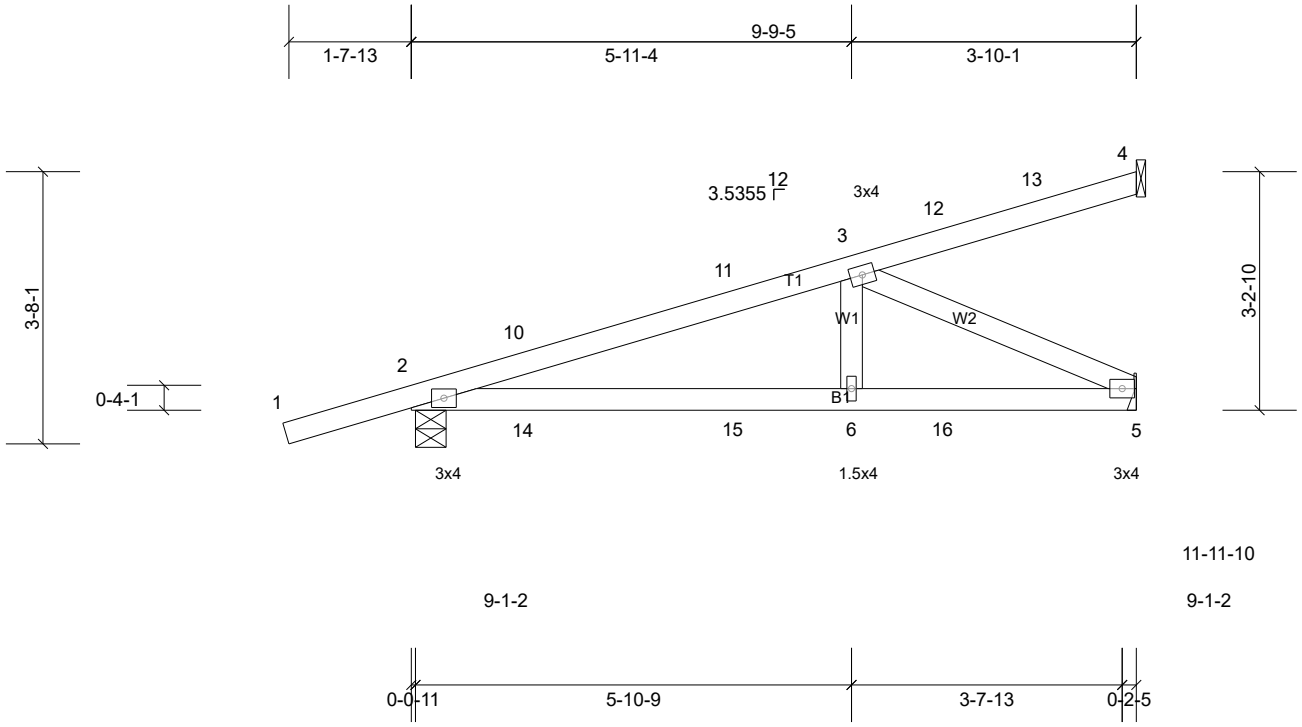
REACTIONS (lb/size) 2=370/0-5-5, (min. 0-1-8), 4=80/ Mechanical, (min. 0-1-8), 5=316/ Mechanical, (min. 0-1-8)
Max Horiz 2=243 (LC 3)
Max Uplift 2=-436 (LC 3), 4=-98 (LC 9), 5=-272 (LC 7)
Max Grav 2=411 (LC 20), 4=80 (LC 1), 5=316 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-623/499, 10-11=-619/503, 3-11=-590/510
BOT CHORD 2-14=-614/593, 14-15=-614/593, 6-15=-614/593, 6-16=-614/593, 5-16=-614/593
WEBS 3-5=-655/678

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 4, 436 lb uplift at joint 2 and 272 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 116 lb down and 45 lb up at 1-6-1, 116 lb down and 45 lb up at 1-6-1, 37 lb down and 78 lb up at 4-4-0, 37 lb down and 78 lb up at 4-4-0, and 64 lb down and 136 lb up at 7-1-15, and 64 lb down and 136 lb up at 7-1-15 on top chord, and 31 lb down and 8 lb up at 1-6-1, 31 lb down and 8 lb up at 1-6-1, 9 lb down and 17 lb up at 4-4-0, 9 lb down and 17 lb up at 4-4-0, and 28 lb down and 19 lb up at 7-1-15, and 28 lb down and 19 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	JGR75P	Jack-Open Girder	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	0.46	Vert(LL)	0.10	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	0.08	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.21	Horz(CT)	-0.02	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 41 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-1-6 oc bracing.

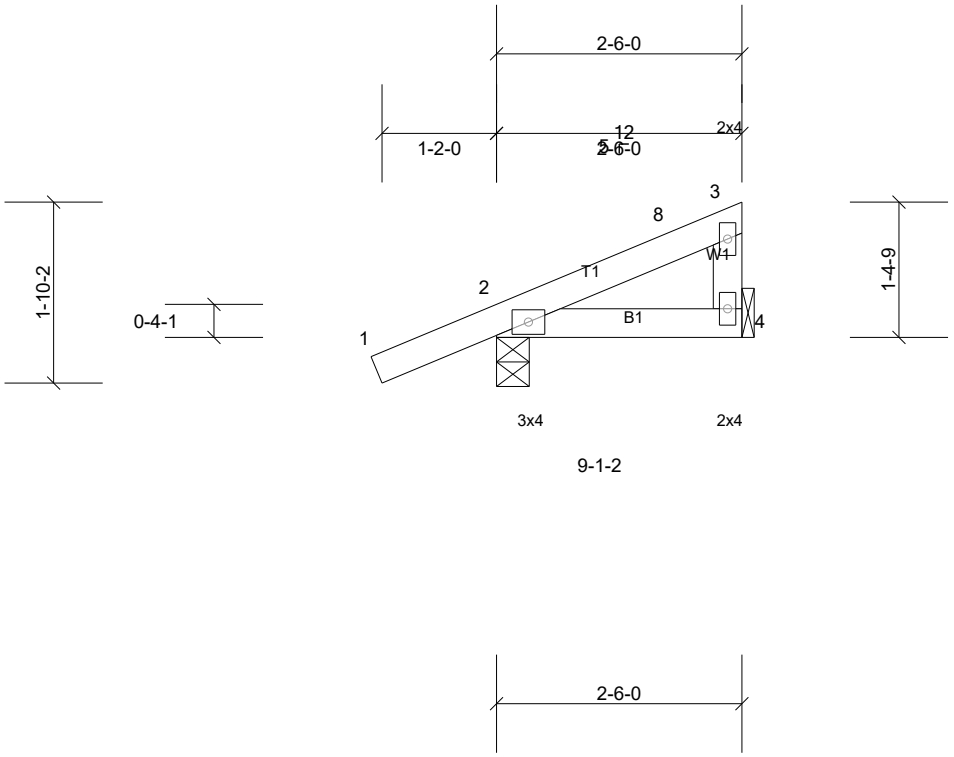
REACTIONS (lb/size) 2=370/0-4-15, (min. 0-1-8), 4=80/ Mechanical, (min. 0-1-8), 5=316/ Mechanical, (min. 0-1-8)
Max Horiz 2=243 (LC 3)
Max Uplift 2=-599 (LC 3), 4=-98 (LC 9), 5=-443 (LC 3)
Max Grav 2=411 (LC 20), 4=80 (LC 1), 5=316 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-623/759, 10-11=-619/762, 3-11=-590/770
BOT CHORD 2-14=-865/593, 14-15=-865/593, 6-15=-865/593, 6-16=-865/593, 5-16=-865/593
WEBS 3-5=-655/955

NOTES
1) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 4, 443 lb uplift at joint 5 and 599 lb uplift at joint 2.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 110 lb down and 45 lb up at 1-6-1, 110 lb down and 45 lb up at 1-6-0, 37 lb down and 78 lb up at 4-4-0, 37 lb down and 78 lb up at 4-4-0, and 64 lb down and 136 lb up at 7-1-15, and 64 lb down and 136 lb up at 7-1-15 on top chord, and 68 lb down and 8 lb up at 1-6-1, 68 lb down and 8 lb up at 1-6-0, 13 lb down and 53 lb up at 4-4-0, 13 lb down and 53 lb up at 4-4-0, and 33 lb down and 80 lb up at 7-1-15, and 33 lb down and 80 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	M35	Jack-Closed	8	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	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	0.00	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 11 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-6-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=149/0-4-0, (min. 0-1-8), 4=63/ Mechanical, (min. 0-1-8)
Max Horiz 2=95 (LC 10)
Max Uplift 2=-139 (LC 7), 4=-48 (LC 11)

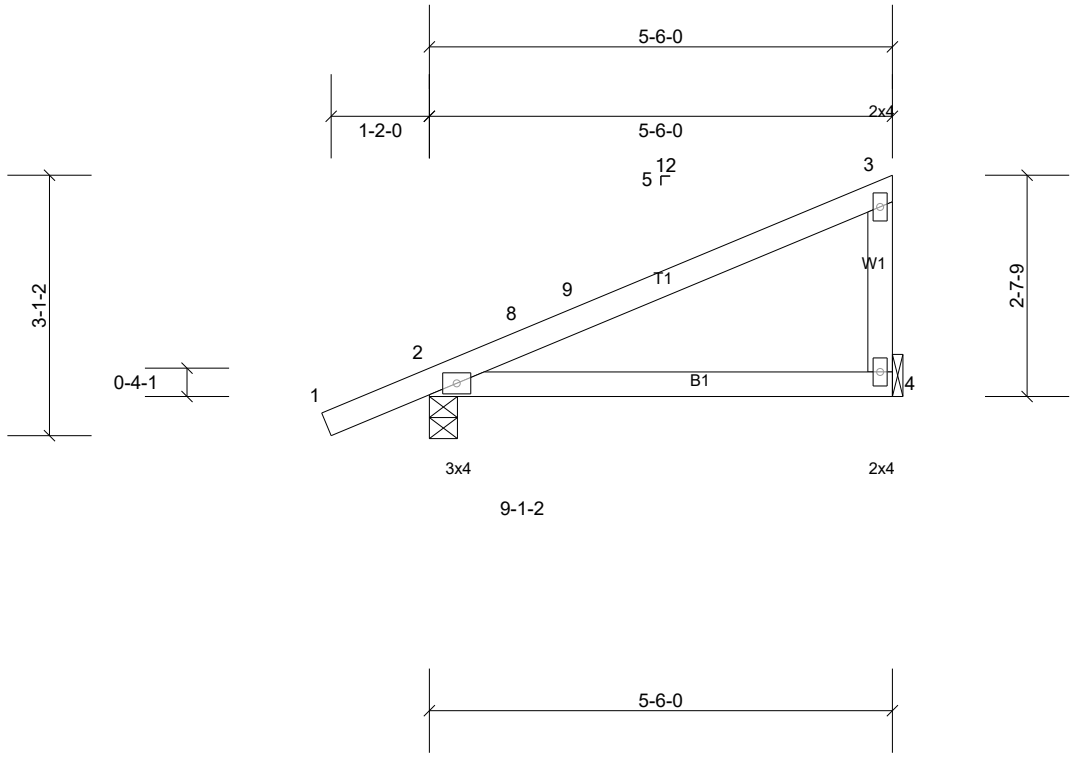
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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) exterior (2) zone and C-C Zone3 -1-2-11 to 1-9-5, Zone1 1-9-5 to 2-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 48 lb uplift at joint 4 and 139 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	M65	Jack-Closed	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	0.52	Vert(LL)	0.08	4-7	>793	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.08	4-7	>813	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-AS							Weight: 22 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=239/0-4-0, (min. 0-1-8), 4=170/ Mechanical, (min. 0-1-8)
Max Horiz 2=190 (LC 11)
Max Uplift 2=-175 (LC 11), 4=-161 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-171/289

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 5-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a 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 161 lb uplift at joint 4 and 175 lb uplift at joint 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	M65A	Jack-Closed	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.82 S Dec 31 2024 Print: 8.820 S Dec 31 2024 MiTek Industries, Inc. Fri Aug 02 14:11:32 — Page: 1

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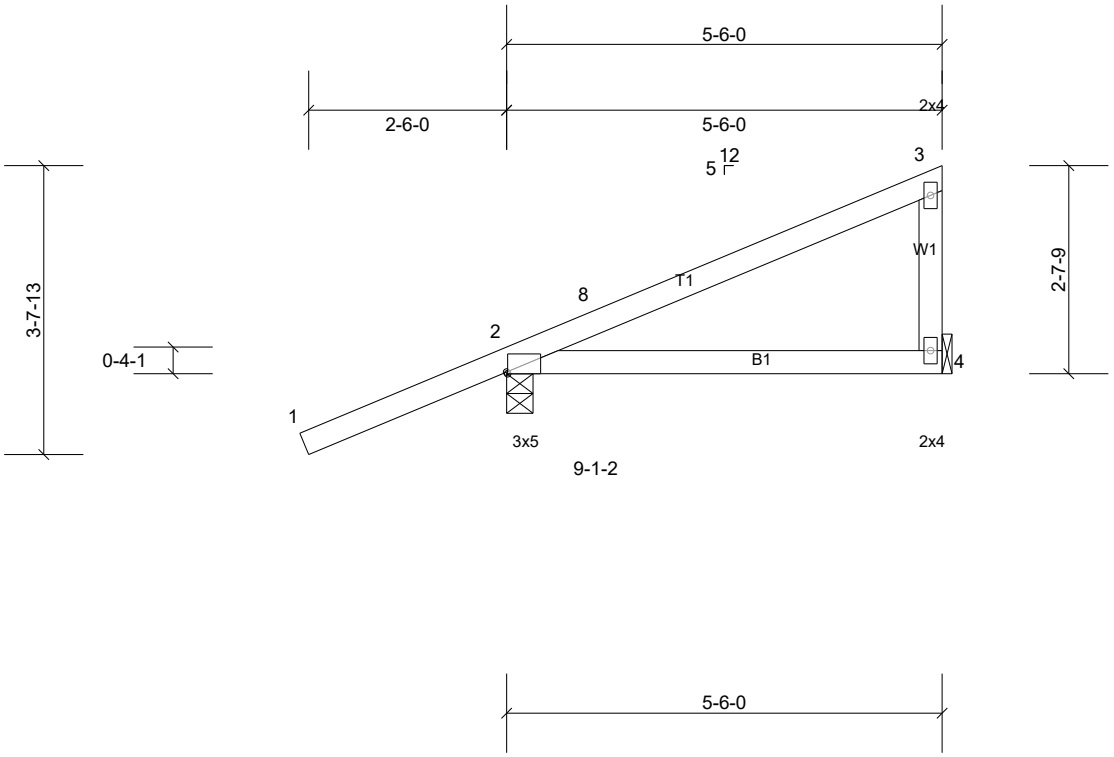

Plate Offsets (X, Y): [2:0-0-2,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	0.05	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.08	4-7	>813	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-AS							Weight: 24 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=322/0-4-0, (min. 0-1-8), 4=149/ Mechanical, (min. 0-1-8)
Max Horiz 2=211 (LC 10)
Max Uplift 2=-294 (LC 7), 4=-115 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-657/120, 3-4=-198/291
BOT CHORD 2-4=-157/659

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 -2-6-11 to 0-7-13, Zone1 0-7-13 to 5-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 115 lb uplift at joint 4 and 294 lb uplift at joint 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	MGR38	Jack-Closed Girder	1	1	Job Reference (optional)

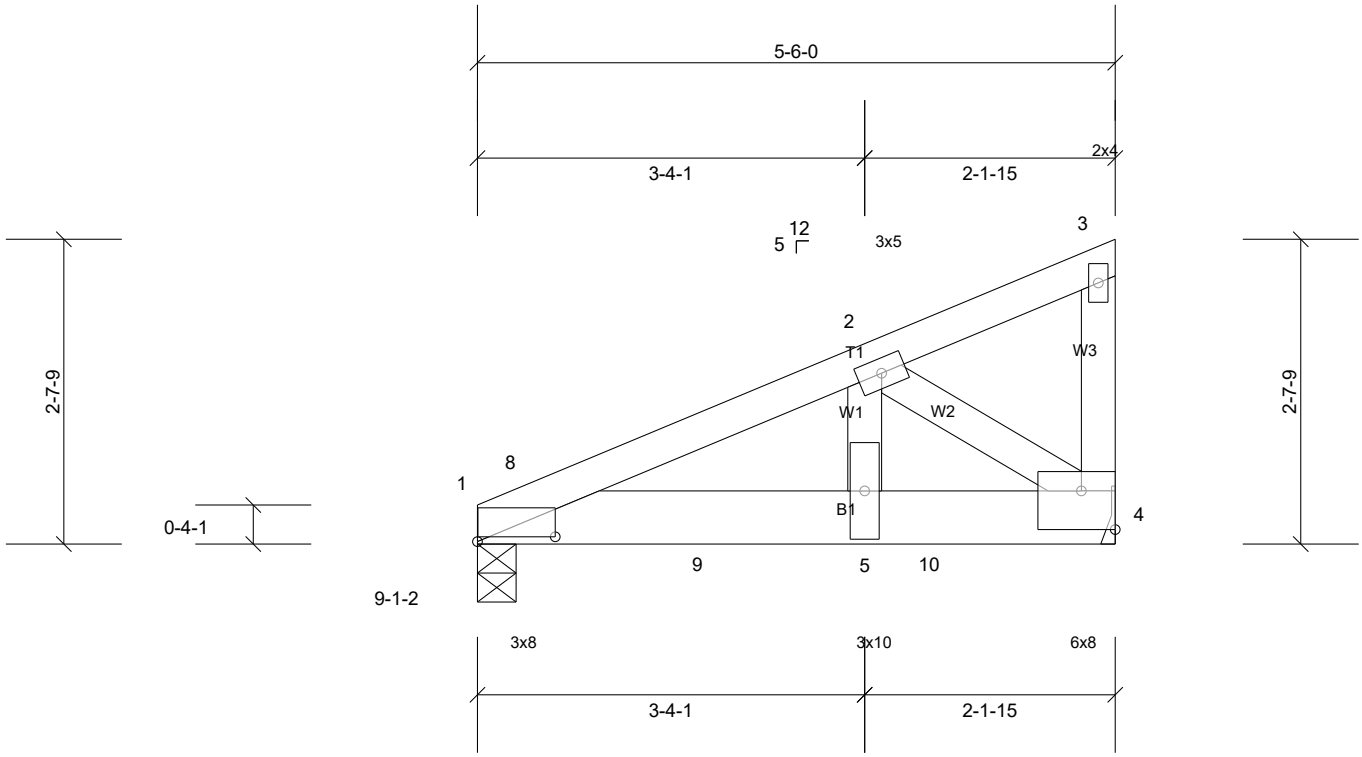

Plate Offsets (X, Y): [1:0-8-1,0-0-8], [4:Edge,0-4-0]

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	0.32	Vert(LL)	0.04	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.04	5-7	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 29 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-11-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-11-9 oc bracing.

REACTIONS (lb/size) 1=836/0-4-0, (min. 0-1-8), 4=871/ Mechanical, (min. 0-1-8)
Max Horiz 1=168 (LC 25)
Max Uplift 1=-650 (LC 7), 4=-664 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1301/934
BOT CHORD 1-8=-885/1148, 1-8=-885/1149, 1-9=-896/1160, 5-9=-896/1160, 5-10=-896/1160, 4-10=-896/1160
WEBS 2-4=-1394/1122, 2-5=-768/1079

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 650 lb uplift at joint 1 and 664 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 10 lb down and 14 lb up at 0-5-13, and 759 lb down and 639 lb up at 1-10-12, and 583 lb down and 390 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: 1-3=-46, 1-4=-20
   Concentrated Loads (lb)
   Vert: 8=-10, 9=-759, 10=-583

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	MGR70	Monopitch Girder	1	1	Job Reference (optional)

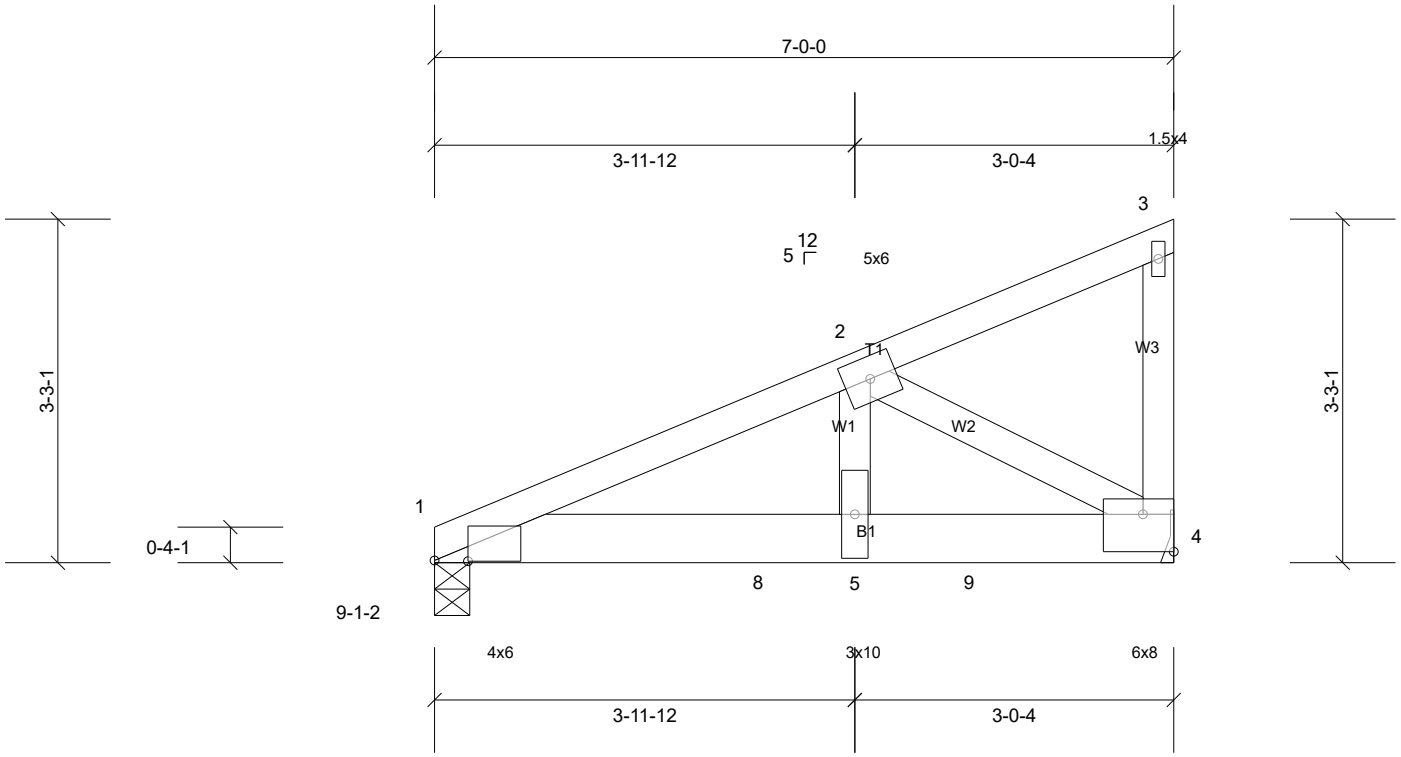

Plate Offsets (X, Y): [1:0-3-13,0-0-1], [4:Edge,0-1-12]

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	0.45	Vert(LL)	0.08	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.08	5-7	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 38 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-7-7 oc bracing.

REACTIONS (lb/size) 1=1616/0-4-0, (min. 0-1-10), 4=1346/ Mechanical, (min. 0-1-8)
Max Horiz 1=216 (LC 25)
Max Uplift 1=-1075 (LC 7), 4=-937 (LC 7)
Max Grav 1=1616 (LC 1), 4=1430 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2341/1429
BOT CHORD 1-8=-1365/2109, 5-8=-1365/2109, 5-9=-1365/2109, 4-9=-1365/2109
WEBS 2-4=-2416/1620, 2-5=-1078/1868

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 1075 lb uplift at joint 1 and 937 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 837 lb down and 558 lb up at 1-0-12, and 944 lb down and 553 lb up at 3-0-12, and 944 lb down and 553 lb up at 5-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-46, 1-4=-20
Concentrated Loads (lb)
Vert: 7=-837, 8=-837, 9=-837

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T01	Common	10	1	Job Reference (optional)

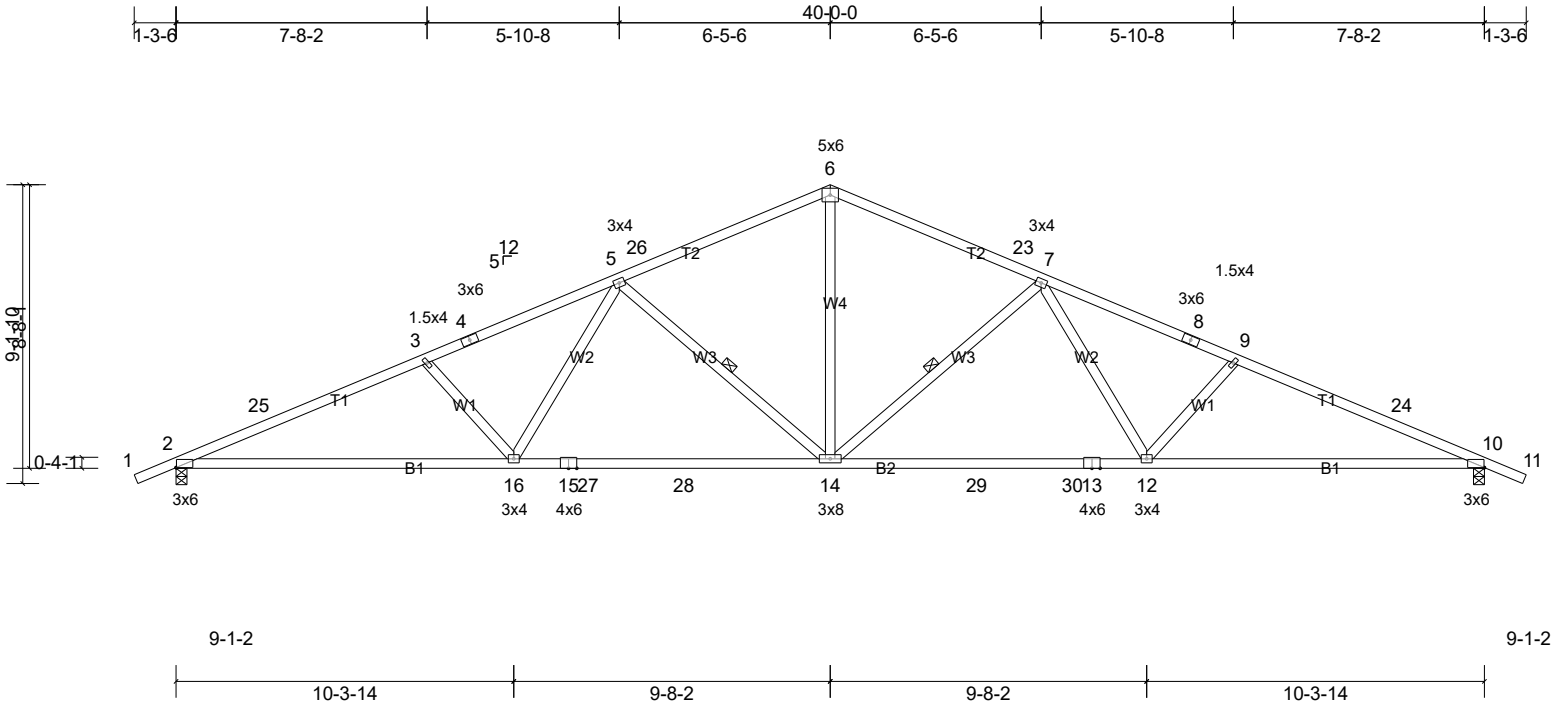

Plate Offsets (X, Y): [2:0-0-2,Edge], [10:0-0-2,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	0.34	16-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.57	14-16	>841	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 195 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-9), 10=1376/0-4-0, (min. 0-1-9)
Max Horiz 2=-272 (LC 16)
Max Uplift 2=-899 (LC 11), 10=-899 (LC 12)
Max Grav 2=1550 (LC 2), 10=1550 (LC 2)

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

TOP CHORD 6-23=-2021/1187, 7-23=-2067/1169, 7-8=-2948/1616, 8-9=-3027/1598, 9-24=-3183/1750, 10-24=-3208/1734, 2-25=-3208/1734, 3-25=-3183/1749, 3-4=-3027/1598, 4-5=-2948/1615, 5-26=-2067/1169, 6-26=-2021/1187

BOT CHORD 2-16=-1729/2938, 15-16=-1255/2398, 15-27=-1255/2398, 27-28=-1255/2398, 14-28=-1255/2398, 14-29=-1050/2398, 29-30=-1050/2398, 13-30=-1050/2398, 12-13=-1050/2398, 10-12=-1457/2938

WEBS 6-14=-563/1304, 5-14=-719/701, 5-16=-310/710, 3-16=-336/490, 7-14=-719/701, 7-12=-311/710, 9-12=-336/490

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 -1-2-11 to 2-9-5, Zone1 2-9-5 to 20-0-0, Zone2 20-0-0 to 25-7-14, Zone1 25-7-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 899 lb uplift at joint 2 and 899 lb uplift at joint 10.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T06A	Roof Special	1	1	Job Reference (optional)

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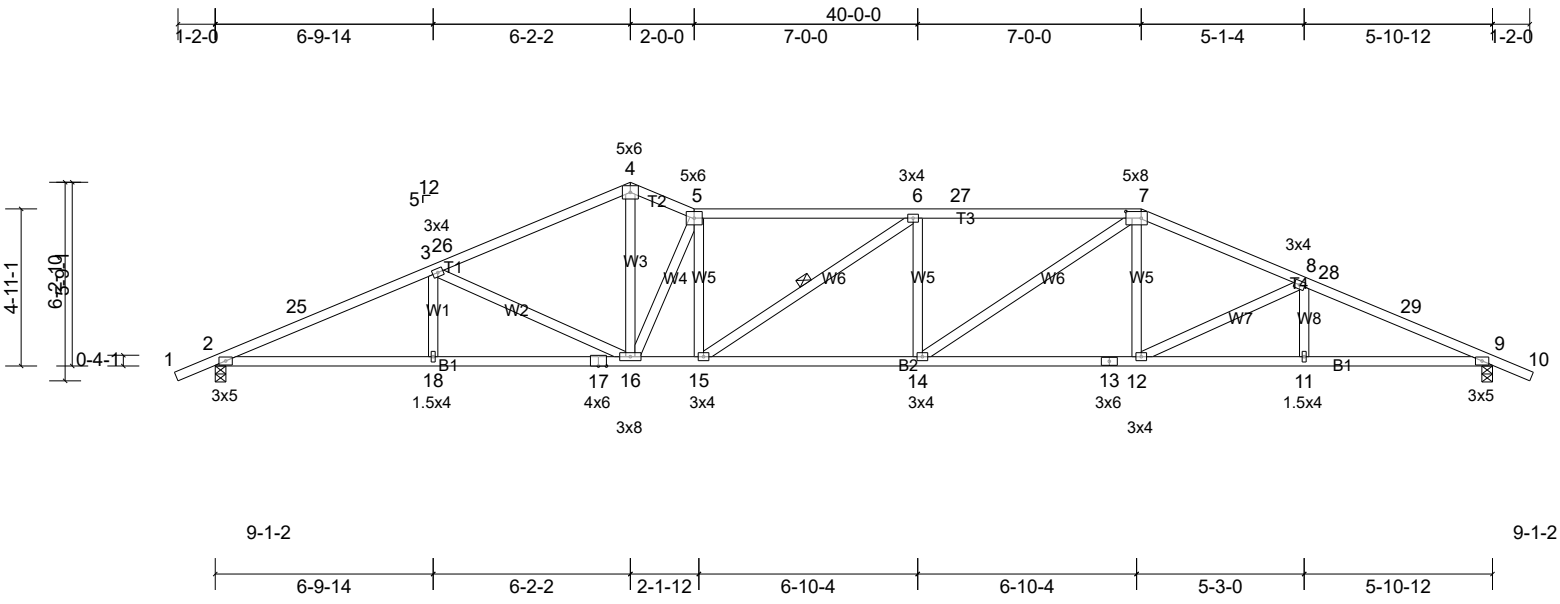

Plate Offsets (X, Y): [7:0-5-12,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.51	14-15	>937	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.58	14-15	>830	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.17	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 209 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-10), 9=1376/0-4-0, (min. 0-1-10)
Max Horiz 2=-182 (LC 16)
Max Uplift 2=-788 (LC 11), 9=-1003 (LC 12)

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

TOP CHORD 2-25=-2917/1917, 3-25=-2881/1930, 3-26=-2381/1632, 4-26=-2371/1652, 4-5=-2330/1701, 5-6=-2694/1918, 6-27=-2880/2083, 7-27=-2880/2083, 7-8=-2531/1815, 8-28=-2876/2077, 28-29=-2917/2068, 9-29=-2960/2067

BOT CHORD 2-18=-1648/2660, 17-18=-1648/2660, 16-17=-1648/2660, 15-16=-1560/2687, 14-15=-1725/2880, 13-14=-1387/2304, 12-13=-1387/2304, 11-12=-1786/2693, 9-11=-1786/2693

WEBS 4-16=-1036/1583, 5-16=-1371/1062, 3-16=-588/573, 7-12=-121/323, 8-12=-464/447, 5-15=-116/272, 6-14=-235/355, 6-15=-342/318, 7-14=-483/690

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 -1-2-11 to 2-9-5, Zone1 2-9-5 to 13-0-0, Zone3 13-0-0 to 15-0-0, Zone1 15-0-0 to 29-0-0, Zone2 29-0-0 to 34-7-14, Zone1 34-7-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 788 lb uplift at joint 2 and 1003 lb uplift at joint 9.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T07A	Roof Special	1	1	Job Reference (optional)

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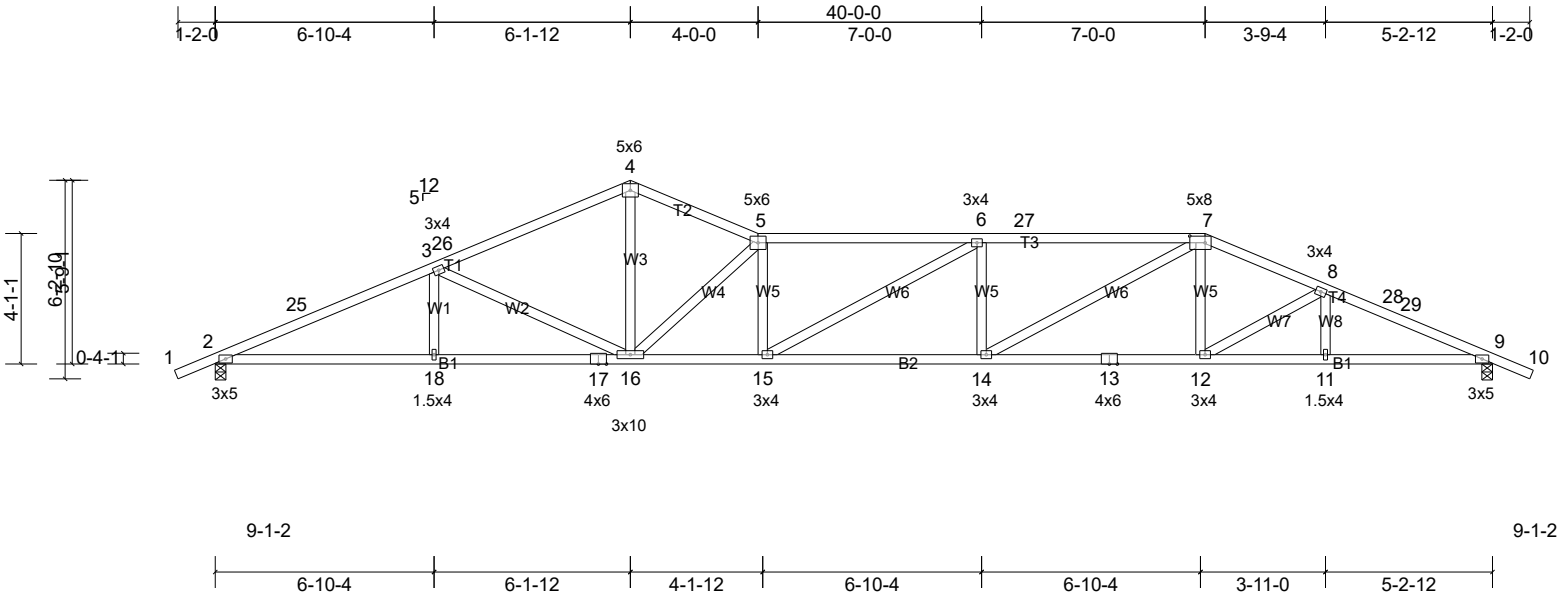

Plate Offsets (X, Y): [7:0-5-12,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	0.63	14-15	>756	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.70	14-15	>681	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.18	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 202 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-10), 9=1376/0-4-0, (min. 0-1-10)
Max Horiz 2=-182 (LC 16)
Max Uplift 2=-788 (LC 11), 9=-1003 (LC 12)

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

TOP CHORD 2-25=-2916/1900, 3-25=-2880/1913, 3-26=-2379/1638, 4-26=-2370/1658, 4-5=-2351/1673, 5-6=-3418/2336, 6-27=-3405/2432, 7-27=-3405/2432, 7-8=-2682/1923, 8-28=-2927/2090, 28-29=-2934/2082, 9-29=-2975/2082

BOT CHORD 2-18=-1632/2658, 17-18=-1632/2658, 16-17=-1632/2658, 15-16=-2038/3414, 14-15=-2133/3405, 13-14=-1533/2458, 12-13=-1533/2458, 11-12=-1804/2709, 9-11=-1804/2709

WEBS 4-16=-960/1552, 3-16=-589/575, 5-16=-1754/1325, 7-12=-106/278, 8-12=-324/338, 7-14=-716/1078, 6-14=-369/432

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 -1-2-11 to 2-9-5, Zone1 2-9-5 to 13-0-0, Zone3 13-0-0 to 17-0-0, Zone1 17-0-0 to 31-0-0, Zone2 31-0-0 to 36-7-14, Zone1 36-7-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 788 lb uplift at joint 2 and 1003 lb uplift at joint 9.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T10	Roof Special	1	1	Job Reference (optional)

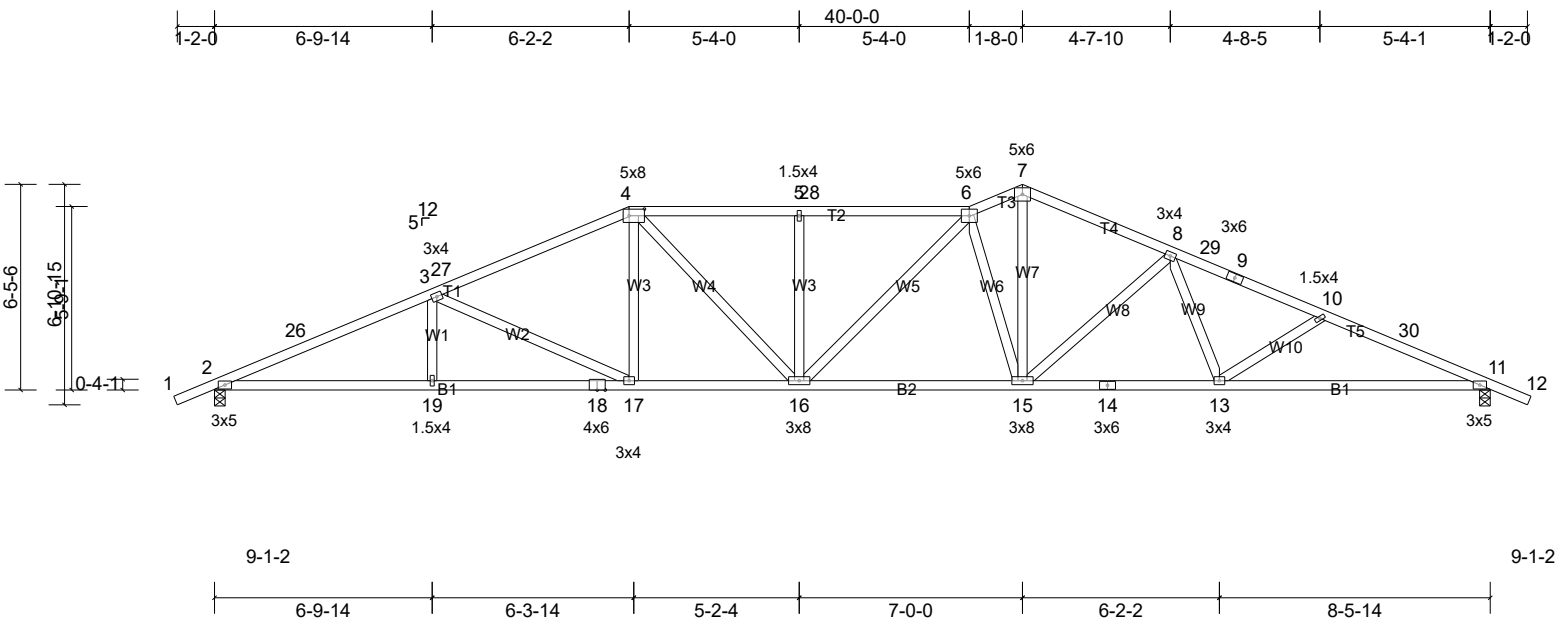

Plate Offsets (X, Y): [4:0-5-12,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	0.44	16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.51	15-16	>947	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.16	11	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 215 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-10), 11=1376/0-4-0, (min. 0-1-10)
Max Horiz 2=-203 (LC 16)
Max Uplift 2=-982 (LC 11), 11=-818 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-26=-2918/1983, 3-26=-2883/1996, 3-27=-2369/1650, 4-27=-2360/1670, 4-5=-2427/1814, 5-28=-2427/1814, 6-28=-2427/1814, 6-7=-2177/1645, 7-8=-2221/1615, 8-29=-2644/1837, 9-29=-2672/1831, 9-10=-2721/1829, 10-30=-2913/1975, 11-30=-2942/1967
BOT CHORD 2-19=-1904/2661, 18-19=-1904/2661, 17-18=-1904/2661, 16-17=-1390/2140, 15-16=-1376/2328, 14-15=-1469/2364, 13-14=-1469/2364, 11-13=-1723/2695
WEBS 3-17=-600/569, 4-17=-171/357, 4-16=-304/410, 5-16=-272/368, 6-16=-219/257, 7-15=-1004/1485, 6-15=-1081/940, 8-15=-482/500, 8-13=-143/326, 10-13=-281/391

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 -1-2-11 to 2-9-5, Zone1 2-9-5 to 13-0-0, Zone2 13-0-0 to 18-7-14, Zone1 18-7-14 to 25-4-0, Zone2 25-4-0 to 30-11-14, Zone1 30-11-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 982 lb uplift at joint 2 and 818 lb uplift at joint 11.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T11	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.81 S Aug 19 2024 Print: 8.820 S Dec 31 2024 MiTek Industries, Inc. Fri Aug 02 14:11:33 — Page: 1

ID:1mz0FMom4IMAyhtWThwlNvyiRpd-2qoY_4o8q60aPipB?B3yzgJ78tvrbi1FNQyTe5yrtYe

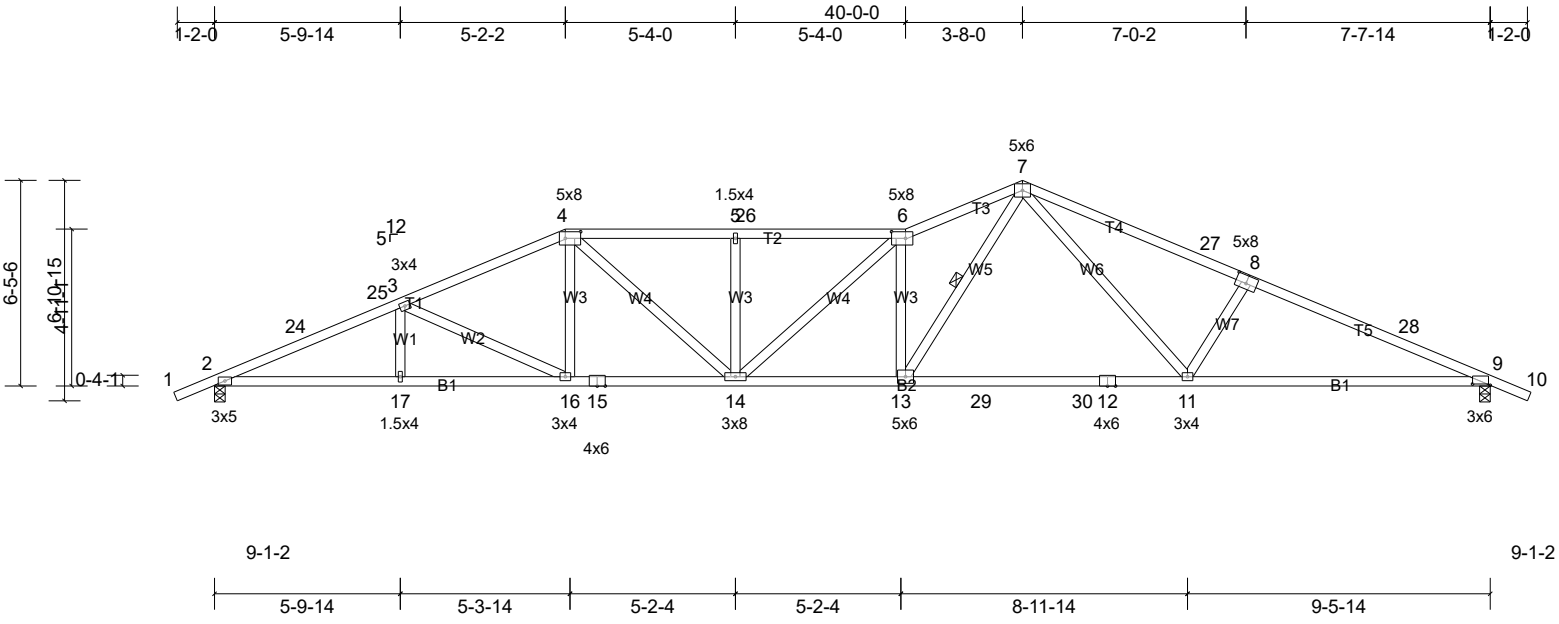

Plate Offsets (X, Y): [4:0-5-12,0-2-8], [6:0-5-4,0-2-8], [8:0-4-0,0-3-0], [9:0-6-10,0-0-8]

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	0.70	Vert(LL)	0.49	13-14	>972	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.76	11-13	>631	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 204 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 7-13

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-9), 9=1376/0-4-0, (min. 0-1-9)
Max Horiz 2=-203 (LC 12)
Max Uplift 2=-982 (LC 11), 9=-818 (LC 12)
Max Grav 2=1524 (LC 2), 9=1537 (LC 2)

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

TOP CHORD 2-24=-3310/2019, 24-25=-3284/2027, 3-25=-3242/2029, 3-4=-2830/1760, 4-5=-3129/2024, 5-26=-3129/2024, 6-26=-3129/2024, 6-7=-3587/2257, 7-27=-3024/1869, 8-27=-3081/1849, 8-28=-3186/1912, 9-28=-3213/1896

BOT CHORD 2-17=-1947/3032, 16-17=-1947/3032, 15-16=-1535/2587, 14-15=-1535/2587, 13-14=-1723/3255, 13-29=-1151/2256, 29-30=-1151/2256, 12-30=-1151/2256, 11-12=-1151/2256, 9-11=-1646/2941

WEBS 3-16=-507/458, 4-16=-130/417, 4-14=-460/718, 5-14=-272/372, 6-13=-1388/1139, 7-13=-1234/1976, 7-11=-494/839, 8-11=-354/550

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-2-11 to 2-9-5, Zone1 2-9-5 to 11-0-0, Zone2 11-0-0 to 16-7-14, Zone1 16-7-14 to 25-4-0, Zone2 25-4-0 to 30-11-14, Zone1 30-11-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 982 lb uplift at joint 2 and 818 lb uplift at joint 9.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T12	Roof Special	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.81 S Aug 19 2024 Print: 8.820 S Dec 31 2024 MiTek Industries, Inc. Fri Aug 02 14:11:33 — Page: 1

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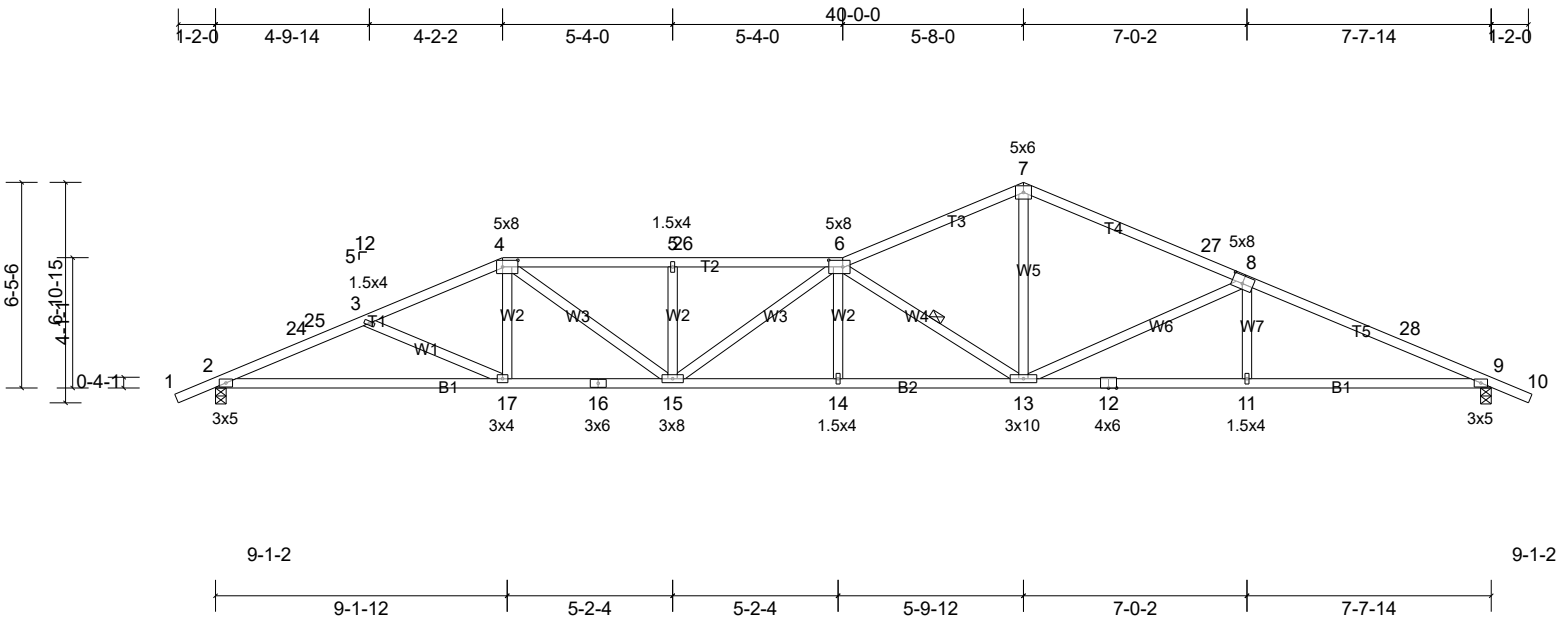

Plate Offsets (X, Y): [4:0-5-12,0-2-8], [6:0-5-4,0-2-8], [8:0-4-0,0-3-0]

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	0.68	Vert(LL)	0.61	14-15	>788	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.64	14-15	>748	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.18	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 201 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-13

REACTIONS (lb/size) 2=1376/0-4-0, (min. 0-1-10), 9=1376/0-4-0, (min. 0-1-10)
Max Horiz 2=-203 (LC 16)
Max Uplift 2=-982 (LC 11), 9=-818 (LC 12)

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

TOP CHORD 2-24=-2954/2091, 24-25=-2923/2091, 3-25=-2913/2097, 3-4=-2697/1848, 4-5=-3222/2284, 5-26=-3222/2284, 6-26=-3222/2284, 6-7=-2234/1598, 7-27=-2190/1566, 8-27=-2256/1546, 8-28=-2831/1874, 9-28=-2871/1858

BOT CHORD 2-17=-2020/2709, 16-17=-1673/2463, 15-16=-1673/2463, 14-15=-2220/3493, 13-14=-2223/3489, 12-13=-1612/2609, 11-12=-1612/2609, 9-11=-1610/2613

WEBS 3-17=-300/401, 4-17=-71/280, 4-15=-659/932, 5-15=-261/359, 6-15=-333/255, 6-13=-1767/1349, 7-13=-828/1393, 8-13=-670/662

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 -1-2-11 to 2-9-5, Zone1 2-9-5 to 9-0-0, Zone2 9-0-0 to 14-7-14, Zone1 14-7-14 to 25-4-0, Zone2 25-4-0 to 30-11-14, Zone1 30-11-14 to 41-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 982 lb uplift at joint 2 and 818 lb uplift at joint 9.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T30	Common	3	1	Job Reference (optional)

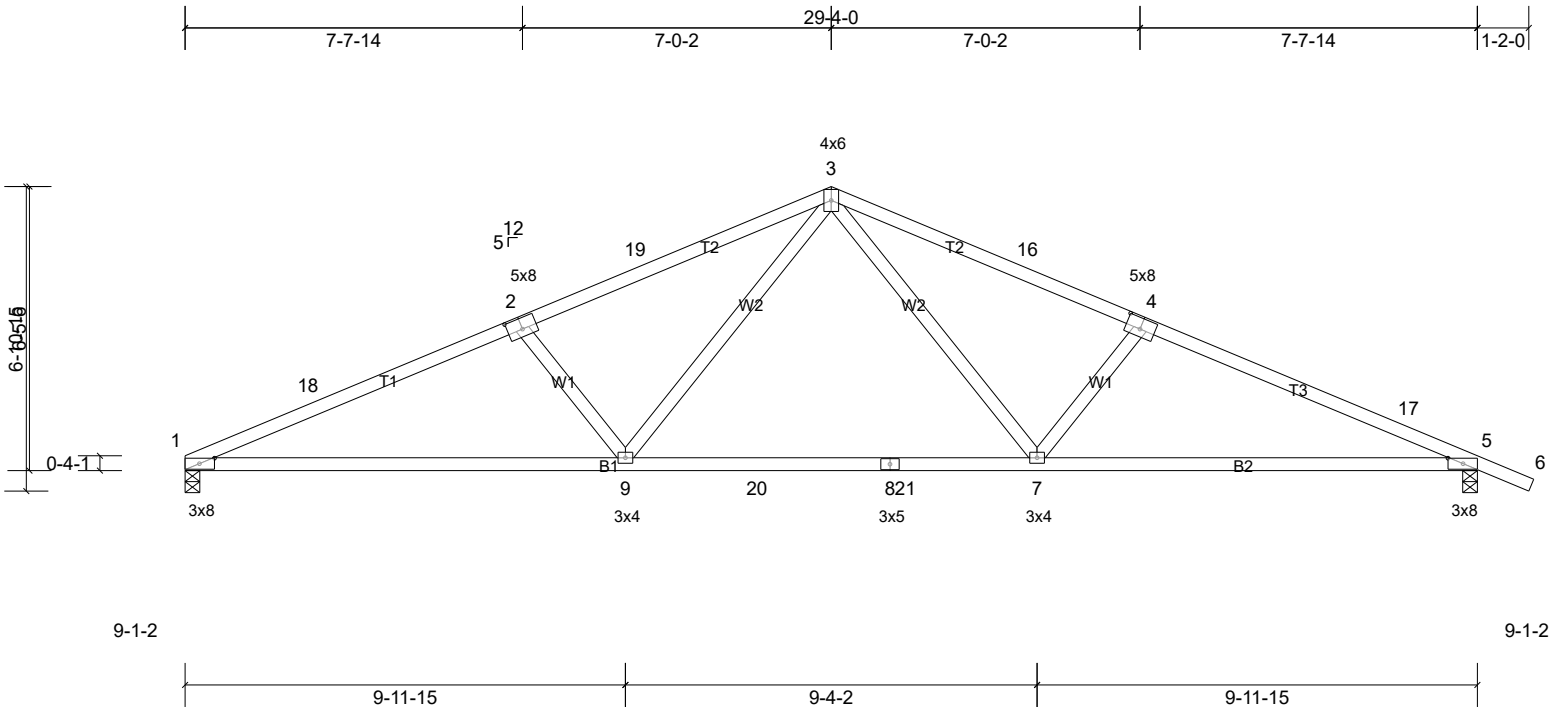

Plate Offsets (X, Y): [1:0-4-2,0-1-8], [2:0-4-0,0-3-0], [4:0-4-0,0-3-0], [5:0-4-2,0-1-8]

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	0.64	Vert(LL)	0.26	9-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.42	9-15	>838	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 127 lb	FT = 20%

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

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

REACTIONS (lb/size) 1=967/0-4-0, (min. 0-1-8), 5=1025/0-4-0, (min. 0-1-8)
Max Horiz 1=-219 (LC 12)
Max Uplift 1=-611 (LC 11), 5=-677 (LC 12)
Max Grav 1=1095 (LC 2), 5=1143 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-16=-1954/1089, 4-16=-2013/1068, 4-17=-2159/1203, 5-17=-2182/1184, 1-18=-2187/1198, 2-18=-2163/1213, 2-19=-2018/1077, 3-19=-1959/1098
BOT CHORD 1-9=-1173/1999, 9-20=-560/1322, 8-20=-560/1322, 8-21=-560/1322, 7-21=-560/1322, 5-7=-959/1993
WEBS 3-9=-451/814, 2-9=-378/567, 3-7=-442/808, 4-7=-374/562

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 14-8-0, Zone2 14-8-0 to 18-10-15, Zone1 18-10-15 to 30-6-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 677 lb uplift at joint 5 and 611 lb uplift at joint 1.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T31	Common	1	1	Job Reference (optional)

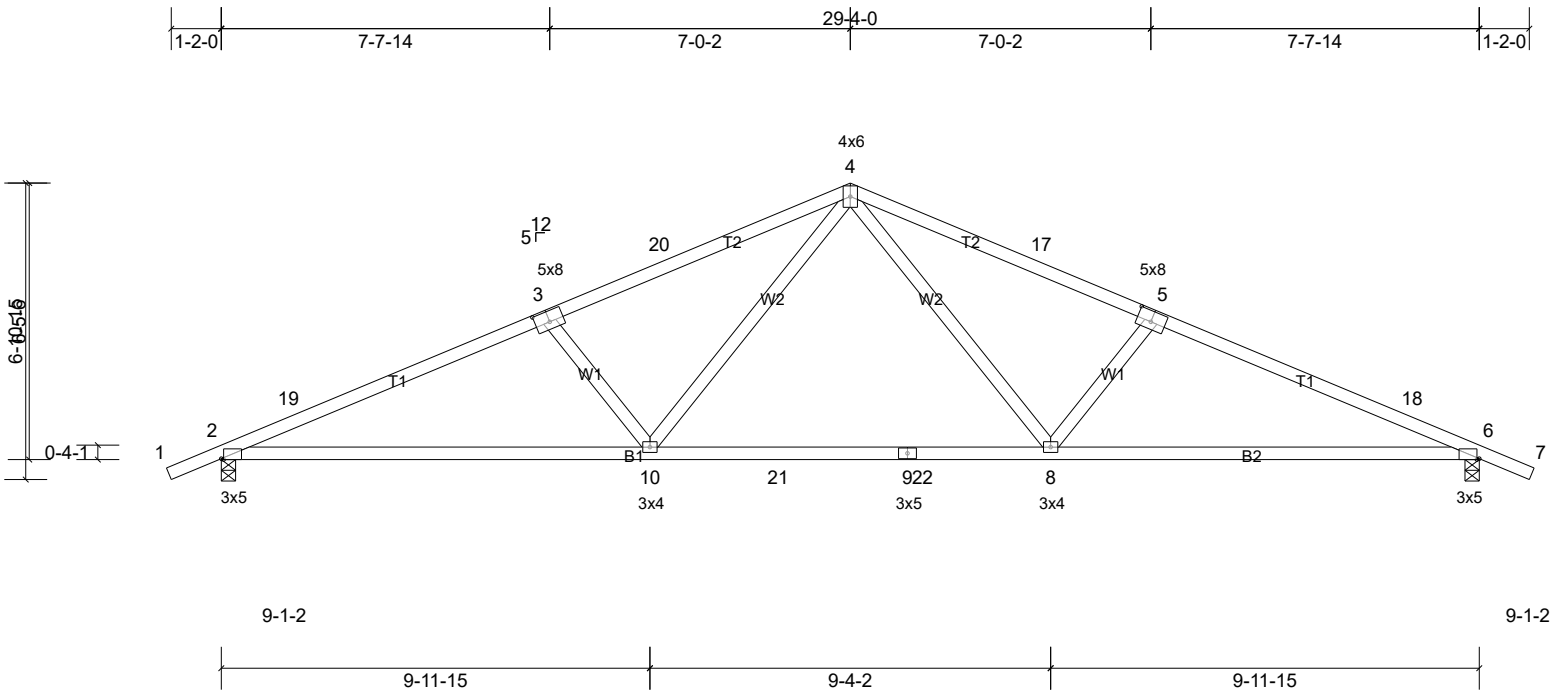

Plate Offsets (X, Y): [2:0-0-10,Edge], [3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [6:0-0-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	0.24	10-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.41	10-16	>859	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 128 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=1024/0-4-0, (min. 0-1-8), 6=1024/0-4-0, (min. 0-1-8)
Max Horiz 2=-203 (LC 12)
Max Uplift 2=-677 (LC 11), 6=-677 (LC 12)
Max Grav 2=1142 (LC 2), 6=1142 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-17=-1952/1087, 5-17=-2011/1067, 5-18=-2157/1202, 6-18=-2180/1183, 2-19=-2180/1182, 3-19=-2157/1201, 3-20=-2011/1066, 4-20=-1952/1087
BOT CHORD 2-10=-1160/1991, 10-21=-557/1319, 9-21=-557/1319, 9-22=-557/1319, 8-22=-557/1319, 6-8=-957/1991
WEBS 4-10=-442/808, 3-10=-374/561, 4-8=-442/808, 5-8=-374/562

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 14-8-0, Zone2 14-8-0 to 18-10-15, Zone1 18-10-15 to 30-6-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 677 lb uplift at joint 6 and 677 lb uplift at joint 2.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T35	Common	1	1	Job Reference (optional)

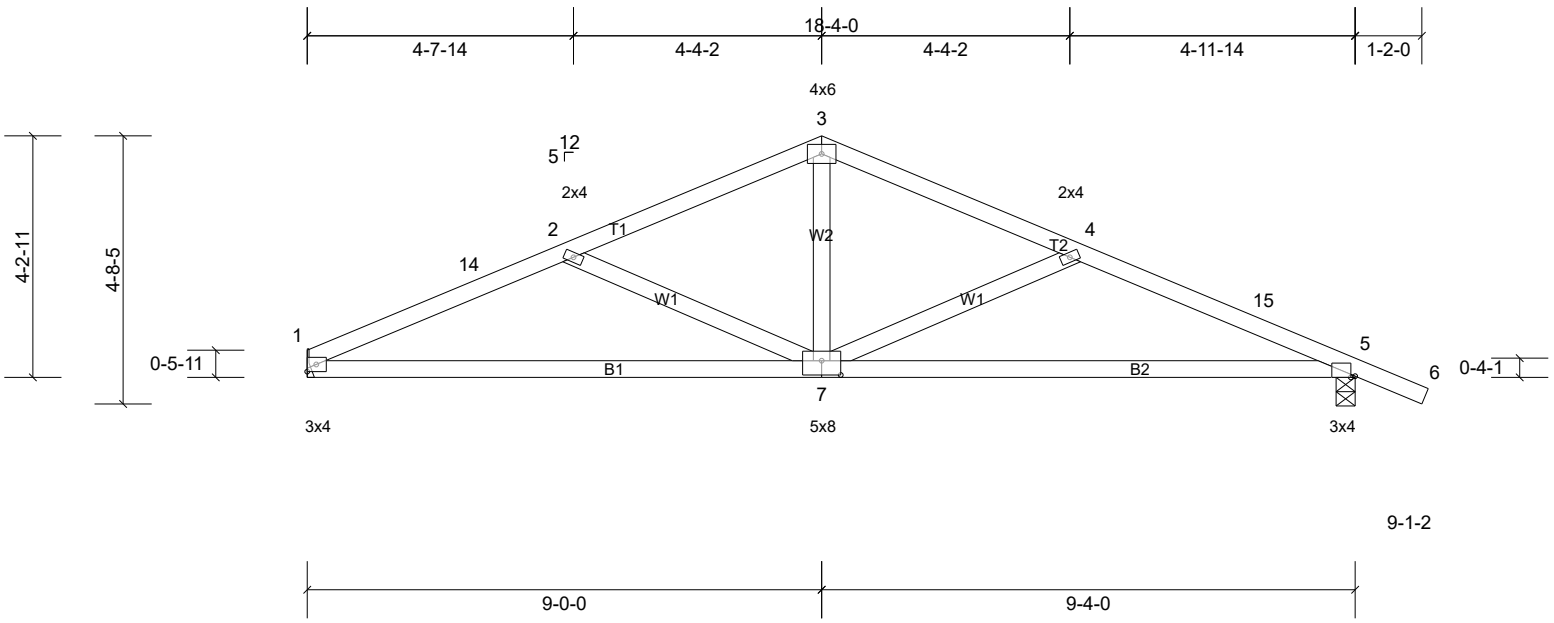

Plate Offsets (X, Y): [5:0-0-14,Edge], [7:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	0.09	7-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.18	7-13	>999	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-AS							Weight: 78 lb	FT = 20%

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

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

REACTIONS (lb/size) 1=603/ Mechanical, (min. 0-1-8), 5=663/0-4-0, (min. 0-1-8)
Max Horiz 1=-156 (LC 12)
Max Uplift 1=-378 (LC 11), 5=-451 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1116/907, 2-14=-1069/919, 2-3=-857/674, 3-4=-860/660, 4-15=-1133/938, 5-15=-1146/925
BOT CHORD 1-7=-719/1000, 5-7=-763/1046
WEBS 3-7=-224/464, 4-7=-360/440, 2-7=-298/414

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 0-4-0 to 3-4-0, Zone1 3-4-0 to 9-4-0, Zone2 9-4-0 to 13-10-5, Zone1 13-10-5 to 19-10-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 378 lb uplift at joint 1 and 451 lb uplift at joint 5.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	T70	Common	2	1	Job Reference (optional)

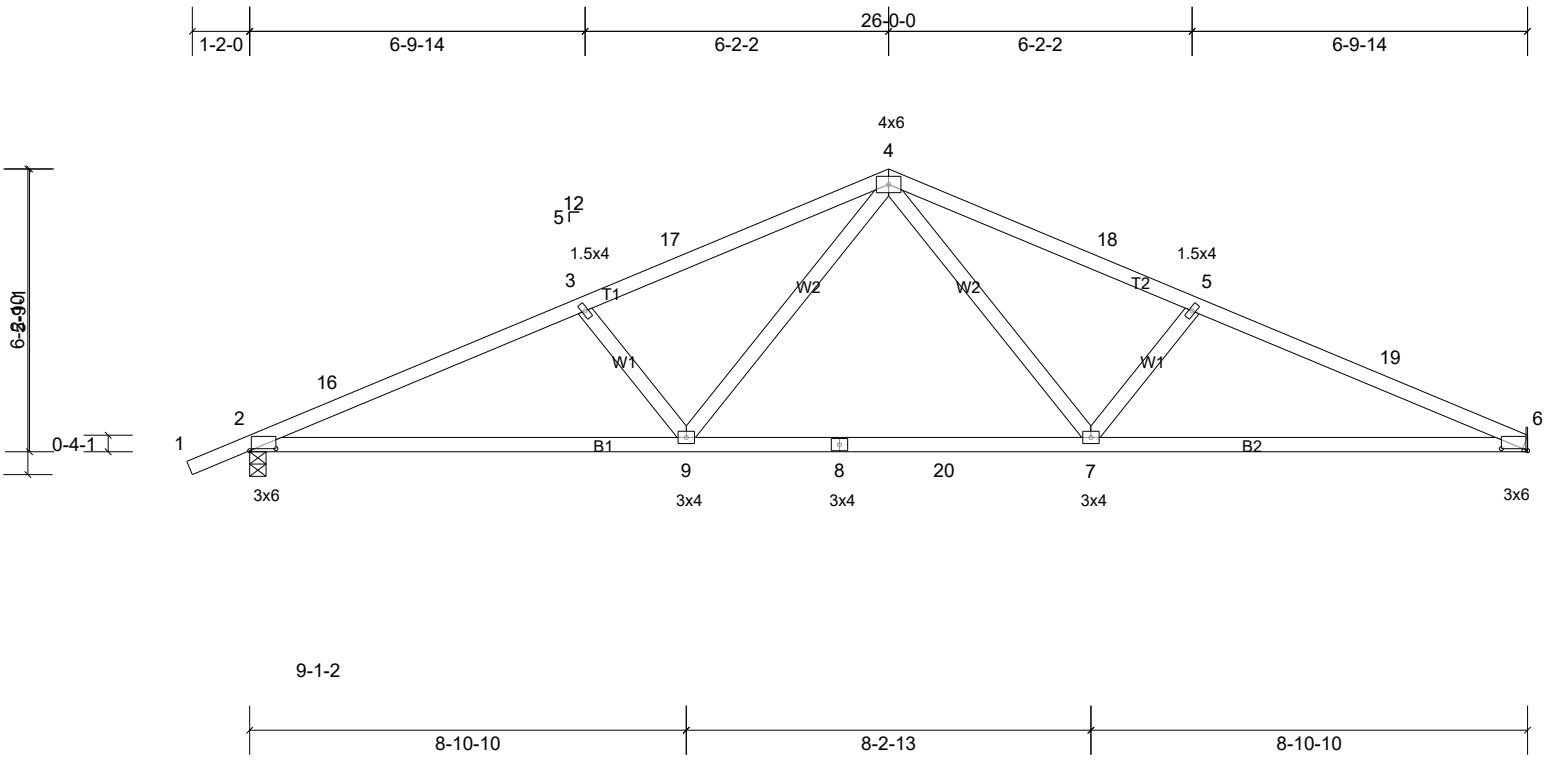

Plate Offsets (X, Y): [2:0-6-6,0-0-8], [6:0-6-6,0-0-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.19	7-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.33	7-12	>948	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 112 lb	FT = 20%

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

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

REACTIONS (lb/size) 2=916/0-4-0, (min. 0-1-8), 6=857/ Mechanical, (min. 0-1-8)
Max Horiz 2=197 (LC 15)
Max Uplift 2=-608 (LC 11), 6=-541 (LC 12)
Max Grav 2=1012 (LC 2), 6=964 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-1908/1096, 3-16=-1890/1112, 3-17=-1757/1011, 4-17=-1705/1029, 4-18=-1710/1058, 5-18=-1762/1040, 5-19=-1889/1136, 6-19=-1914/1124
BOT CHORD 2-9=-1039/1745, 8-9=-518/1158, 8-20=-518/1158, 7-20=-518/1158, 6-7=-932/1752
WEBS 4-7=-395/708, 5-7=-337/502, 4-9=-384/700, 3-9=-332/496

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 -1-2-11 to 1-9-5, Zone1 1-9-5 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 26-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 541 lb uplift at joint 6 and 608 lb uplift at joint 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	TG32	Common Girder	1	1	Job Reference (optional)

Maronda Homes, Sanford, Charles Hunter — Run: 8.82 S Dec 31 2024 Print: 8.820 S Dec 31 2024 MiTek Industries, Inc. Fri Aug 02 14:11:34 — Page: 1

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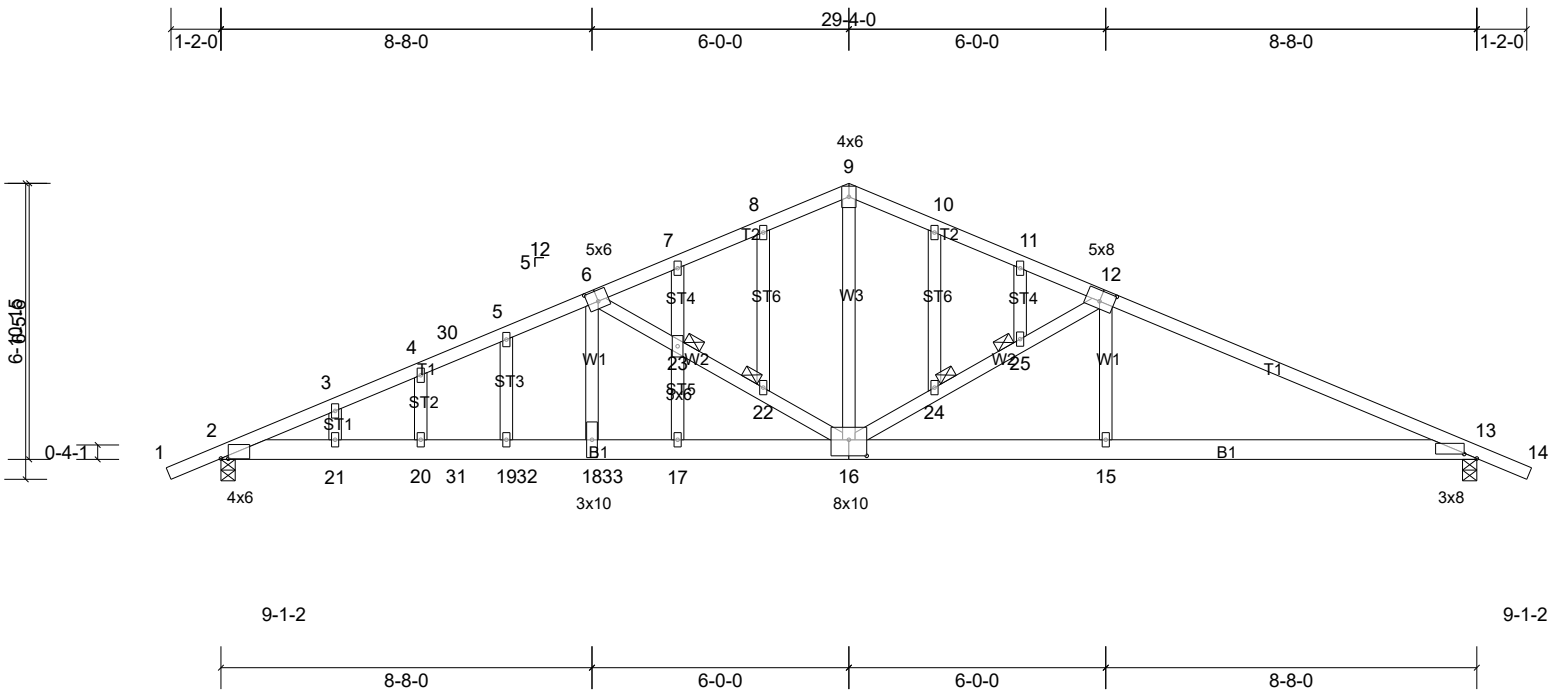

Plate Offsets (X, Y): [2:0-2-1,0-0-1], [6:0-3-0,0-3-0], [12:0-4-0,0-3-0], [13:0-3-9,0-1-4], [16:0-5-0,0-4-8]

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	0.95	Vert(LL)	0.44	19-20	>807	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.37	19-20	>946	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.77	Horz(CT)	-0.09	13	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 184 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-10-2 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-3-1 oc bracing.
JOINTS	1 Brace at Jt(s): 22, 23, 24, 25

REACTIONS (lb/size) 2=1999/0-4-0, (min. 0-2-0), 13=1466/0-4-0, (min. 0-1-8)
Max Horiz 2=-203 (LC 27)
Max Uplift 2=-1561 (LC 7), 13=-1071 (LC 8)

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

TOP CHORD 9-10=-2463/1864, 10-11=-2478/1847, 11-12=-2528/1847, 12-13=-3110/2182, 2-3=-4355/3242, 3-4=-4339/3279, 4-30=-4368/3393, 5-30=-4288/3292, 5-6=-4303/3378, 6-7=-2547/1875, 7-8=-2464/1849, 8-9=-2462/1879

BOT CHORD 2-21=-3094/3996, 20-21=-3094/3996, 20-31=-3094/3996, 19-31=-3094/3996, 19-32=-3094/3996, 18-32=-3094/3996, 18-33=-3064/3962, 17-33=-3064/3962, 16-17=-3064/3962, 15-16=-1831/2808, 13-15=-1830/2813

WEBS 6-18=-1230/1348, 6-23=-1963/1838, 22-23=-1960/1815, 16-22=-2007/1876, 9-16=-1244/1703, 16-24=-641/698, 24-25=-615/641, 12-25=-633/676, 17-23=-158/286, 4-20=-168/288

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 (||) MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1561 lb uplift at joint 2 and 1071 lb uplift at joint 13.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 225 lb down and 326 lb up at 5-6-0 on top chord, and 131 lb down and 24 lb up at 5-6-0, 129 lb down and 127 lb up at 7-1-13, and 150 lb down and 173 lb up at 9-1-13, and 851 lb down and 676 lb up at 10-11-4 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 9-14=-46, 1-9=-46, 2-13=-20
   Concentrated Loads (lb)
   Vert: 17=-851, 30=-180, 31=-106, 32=-129, 33=-150

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	TG36	Common Girder	1	1	Job Reference (optional)

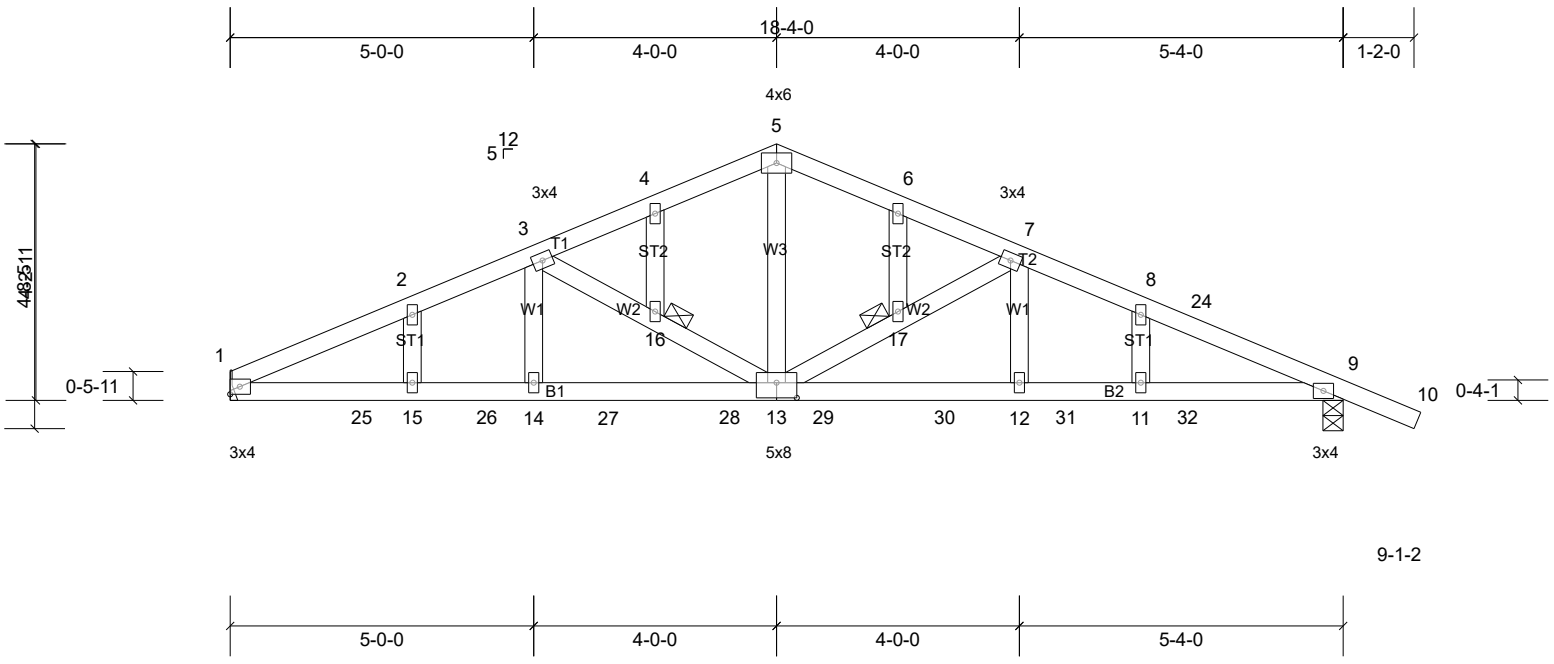

Plate Offsets (X, Y): [13:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	0.13	11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.11	11	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.16	Horz(CT)	-0.04	9	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 92 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-6-6 oc bracing.
JOINTS	1 Brace at Jt(s): 16, 17

REACTIONS (lb/size) 1=779/ Mechanical, (min. 0-1-8), 9=835/0-4-0, (min. 0-1-8)
Max Horiz 1=-156 (LC 27)
Max Uplift 1=-627 (LC 7), 9=-685 (LC 8)

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

TOP CHORD 5-6=-1046/880, 6-7=-1078/869, 7-8=-1515/1233, 8-24=-1526/1203, 9-24=-1555/1200, 1-2=-1488/1161, 2-3=-1445/1192, 3-4=-1072/855, 4-5=-1045/871

BOT CHORD 1-25=-1097/1334, 15-25=-1097/1334, 15-26=-1097/1334, 14-26=-1097/1334, 14-27=-1097/1334, 27-28=-1097/1334, 13-28=-1097/1334, 13-29=-1007/1409, 29-30=-1007/1409, 12-30=-1007/1409, 12-31=-1007/1409, 11-31=-1007/1409, 11-32=-1007/1409, 9-32=-1007/1409

WEBS 3-16=-437/486, 13-16=-453/509, 5-13=-515/655, 13-17=-527/568, 7-17=-516/549

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 (||) MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 627 lb uplift at joint 1 and 685 lb uplift at joint 9.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 144 lb down and 76 lb up at 15-10-0 on top chord, and 75 lb down and 60 lb up at 2-2-0, 43 lb down and 60 lb up at 4-2-12, 43 lb down and 60 lb up at 6-2-12, 43 lb down and 60 lb up at 8-2-12, 43 lb down and 60 lb up at 9-9-4, 43 lb down and 60 lb up at 11-9-4, and 43 lb down and 60 lb up at 13-9-4, and 75 lb down and 60 lb up at 15-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (lb/ft)
   Vert: 5-10=-46, 1-5=-46, 18-21=-20
   Concentrated Loads (lb)
   Vert: 24=-3, 25=-43, 26=-43, 27=-43, 28=-43, 29=-43, 30=-43, 31=-43, 32=-43

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	TGR08A	Roof Special Girder	1	2	Job Reference (optional)

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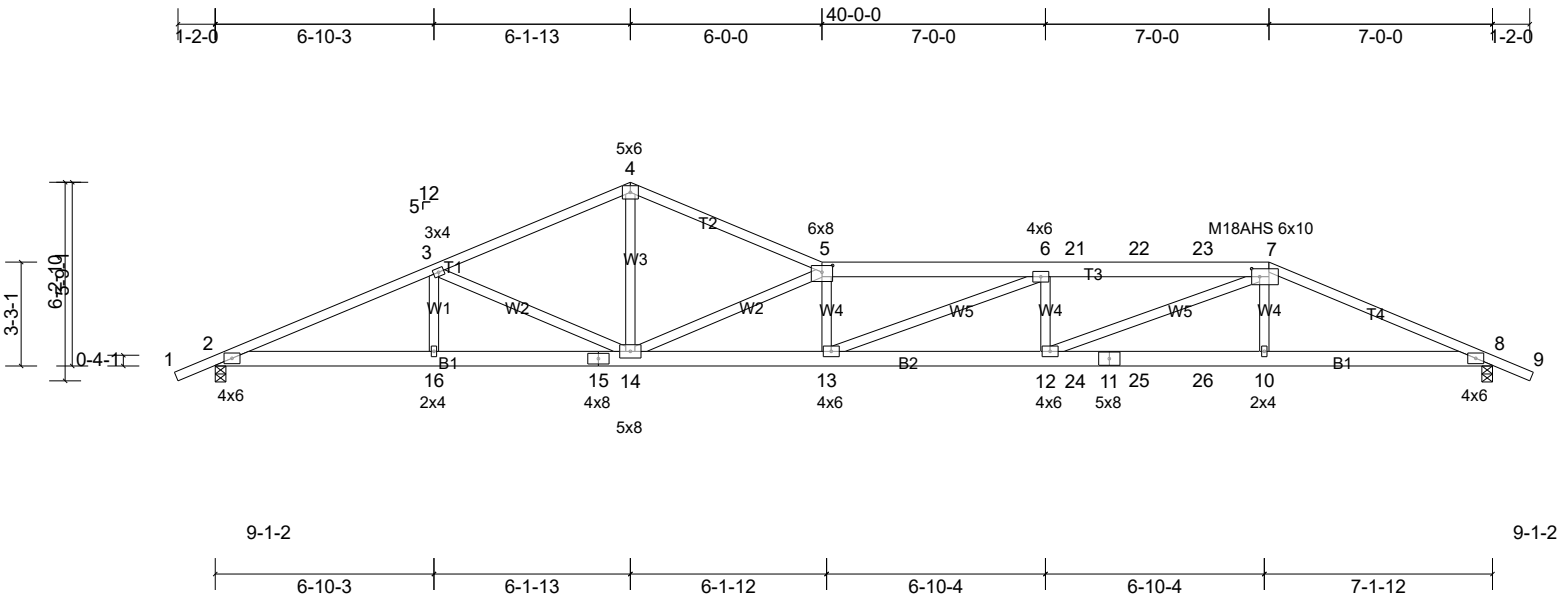


Plate Offsets (X, Y): [5:0-4-0,0-2-8], [7:0-3-0,0-3-0]

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	0.73	Vert(LL)	0.80	12-13	>602	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.80	12-13	>601	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.15	8	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 467 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2 *Except* T3:2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-1-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-9-9 oc bracing.

REACTIONS (lb/size) 2=2053/0-4-0, (min. 0-1-8), 8=2960/0-4-0, (min. 0-1-12)
Max Horiz 2=-182 (LC 12)
Max Uplift 2=-1314 (LC 7), 8=-2171 (LC 8)

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

TOP CHORD 2-3=-4756/2946, 3-4=-4204/2836, 4-5=-4197/2796, 5-6=-9081/6309, 6-21=-10581/7555, 21-22=-10579/7554, 22-23=-10578/7552, 7-23=-10576/7551, 7-8=-7198/5164

BOT CHORD 2-16=-2733/4360, 15-16=-2733/4360, 14-15=-2733/4360, 13-14=-6050/9042, 12-13=-7316/10577, 12-24=-4624/6647, 11-24=-4624/6647, 11-25=-4624/6647, 25-26=-4624/6647, 10-26=-4624/6647, 8-10=-4611/6611

WEBS 5-13=-473/770, 6-13=-1778/1444, 6-12=-227/585, 7-12=-2909/4247, 7-10=-259/695, 4-14=-1870/2907, 5-14=-5778/4217, 3-14=-599/607

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 6-12 2x4 - 2 rows staggered at 0-7-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1314 lb uplift at joint 2 and 2171 lb uplift at joint 8.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 132 lb down and 168 lb up at 26-11-4, 132 lb down and 168 lb up at 28-11-4, and 132 lb down and 168 lb up at 30-11-4, and 192 lb down and 259 lb up at 33-0-0 on top chord, and 1410 lb down and 949 lb up at 26-0-12, 58 lb down at 26-11-4, 58 lb down at 28-11-4, and 58 lb down at 30-11-4, and 346 lb down and 263 lb up at 32-11-4 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: 1-4=-46, 4-5=-46, 5-7=-46, 7-9=-46, 2-8=-20
Concentrated Loads (lb)

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	TGR08A	Roof Special Girder	1	**2**	Job Reference (optional)

Vert: 7=-115, 12=-1326, 10=-346, 21=-100, 22=-100, 23=-100, 24=-58, 25=-58, 26=-58

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	TGR13	Roof Special Girder	1	1	Job Reference (optional)

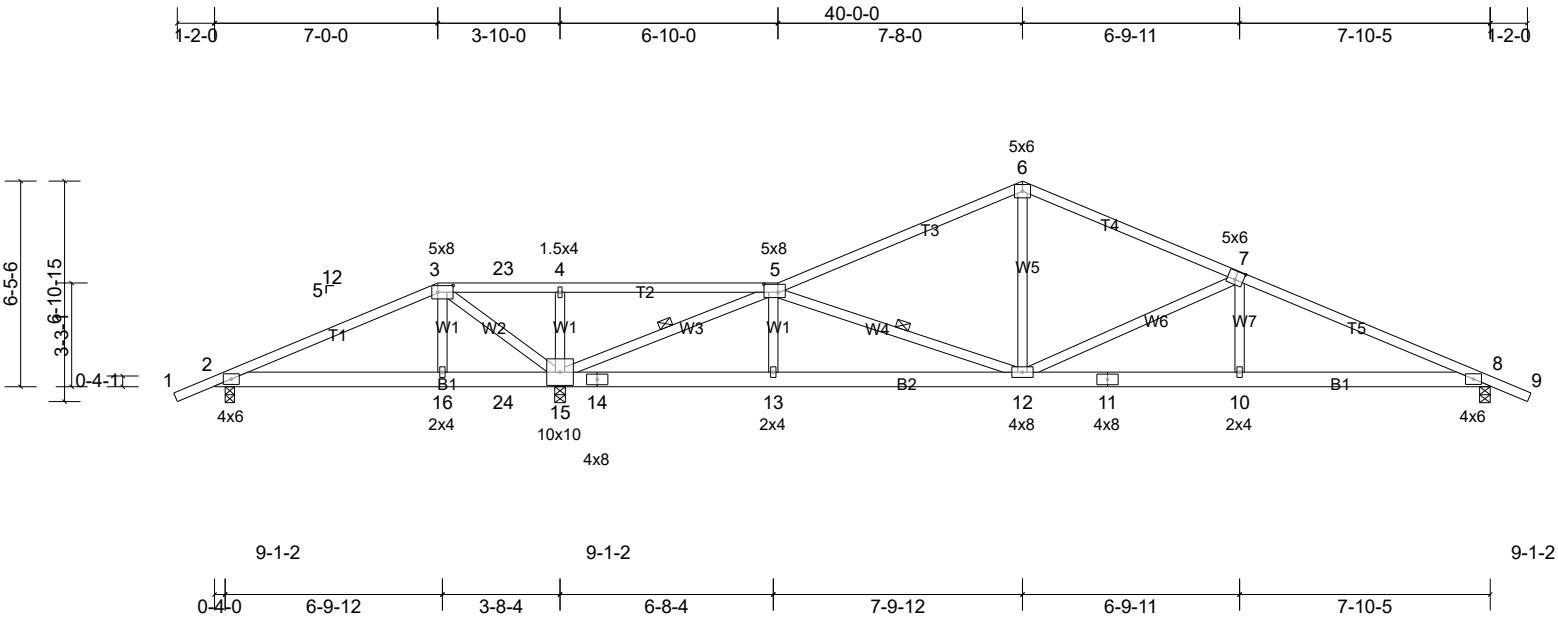


Plate Offsets (X, Y): [3:0-5-12,0-2-8], [5:0-5-4,0-3-0], [7:0-3-0,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	16.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	0.16	10-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.17	10-18	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MS							Weight: 224 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-4 oc bracing.
WEBS 1 Row at midpt 5-12, 5-15

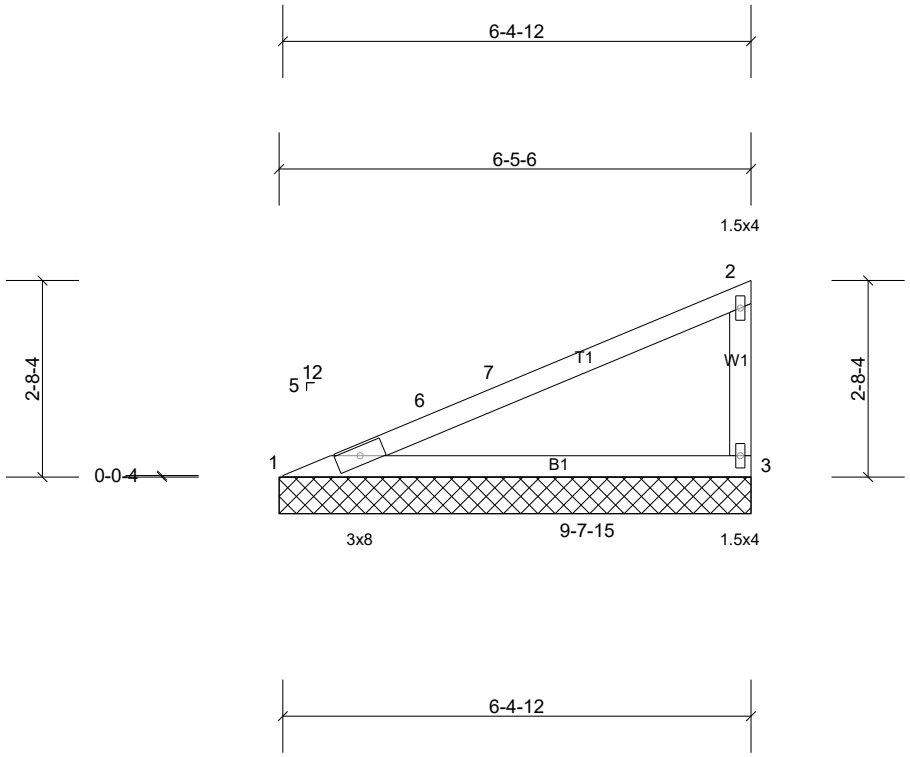
REACTIONS (lb/size) 2=311/0-3-8, (min. 0-1-8), 8=910/0-4-0, (min. 0-1-8), 15=2121/0-4-0, (min. 0-2-8)
Max Horiz 2=-203 (LC 27)
Max Uplift 2=-534 (LC 3), 8=-641 (LC 27), 15=-1790 (LC 7)
Max Grav 2=366 (LC 20), 8=910 (LC 1), 15=2121 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-431/736, 3-23=-606/983, 4-23=-606/983, 4-5=-606/983, 5-6=-1068/714, 6-7=-1065/689, 7-8=-1718/1111
BOT CHORD 2-16=-692/662, 16-24=-712/673, 15-24=-712/673, 14-15=-681/941, 13-14=-681/941, 12-13=-686/936, 11-12=-860/1531, 10-11=-860/1531, 8-10=-860/1536
WEBS 3-16=-645/475, 3-15=-1309/1380, 5-12=-137/302, 6-12=-219/450, 7-12=-690/679, 4-15=-344/467, 5-15=-2088/1230

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1790 lb uplift at joint 15, 641 lb uplift at joint 8 and 534 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 184 lb down and 254 lb up at 7-0-0, and 124 lb down and 163 lb up at 9-0-12 on top chord, and 339 lb down and 553 lb up at 7-0-0, and 54 lb down and 94 lb up at 9-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-3=-46, 3-5=-46, 5-6=-46, 6-9=-46, 2-8=-20
Concentrated Loads (lb)
Vert: 3=-107, 16=-339, 23=-92, 24=-51

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	V01	Valley	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	0.61	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 22 lb	FT = 20%

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

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

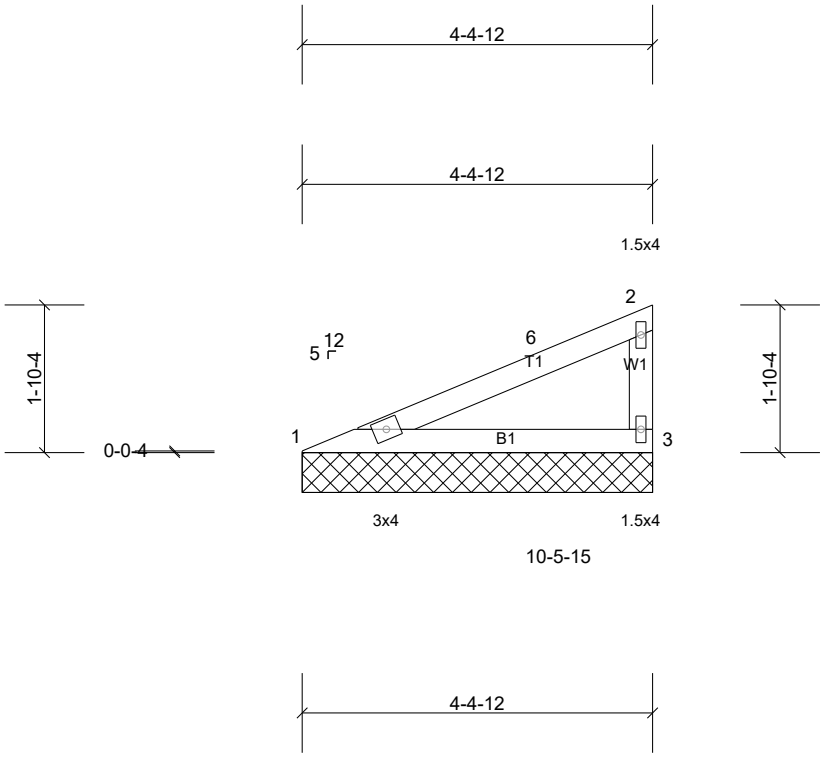
REACTIONS (lb/size) 1=208/6-5-6, (min. 0-1-8), 3=208/6-5-6, (min. 0-1-8)
Max Horiz 1=184 (LC 8)
Max Uplift 1=-138 (LC 11), 3=-181 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-545/523, 2-3=-212/329
BOT CHORD 1-3=-656/596

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 6-3-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 3 and 138 lb uplift at joint 1.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	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	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 14 lb	FT = 20%

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

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

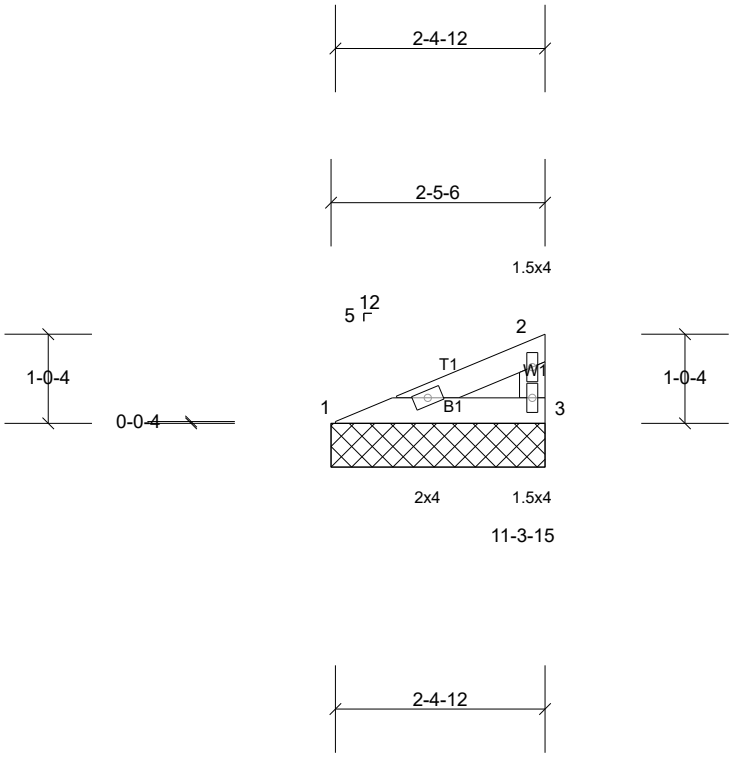
REACTIONS (lb/size) 1=140/4-4-12, (min. 0-1-8), 3=140/4-4-12, (min. 0-1-8)
Max Horiz 1=120 (LC 8)
Max Uplift 1=-96 (LC 11), 3=-119 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-334/353
BOT CHORD 1-3=-488/372

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 0-0-10 to 3-0-10, Zone1 3-0-10 to 4-3-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 3 and 96 lb uplift at joint 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	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: 7 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-5-6 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=76/2-5-6, (min. 0-1-8), 3=76/2-5-6, (min. 0-1-8)
Max Horiz 1=57 (LC 8)
Max Uplift 1=-53 (LC 11), 3=-64 (LC 11)

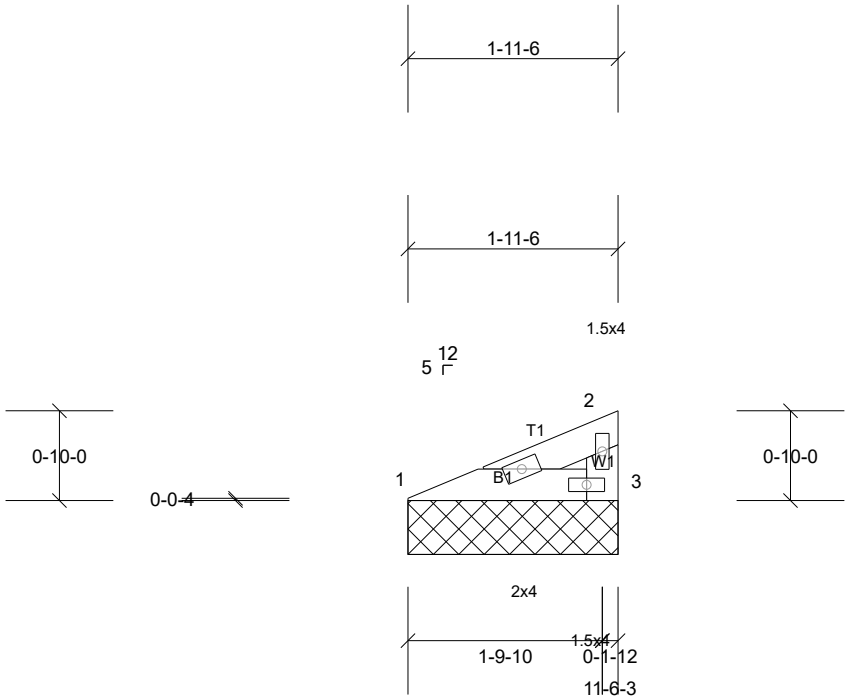
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 1 and 64 lb uplift at joint 3.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	V05	Valley	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	0.05	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 2-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=60/1-11-6, (min. 0-1-8), 3=60/1-11-6, (min. 0-1-8)
Max Horiz 1=43 (LC 8)
Max Uplift 1=-42 (LC 11), 3=-50 (LC 11)

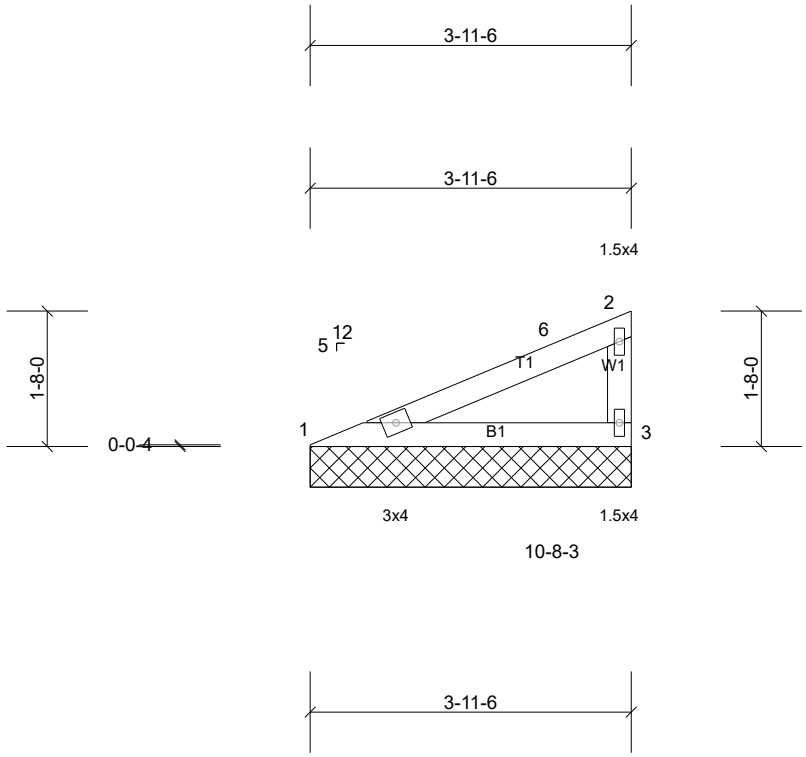
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 1 and 50 lb uplift at joint 3.
9) 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	Sunroom and Lanai
Ashton J	V06	Valley	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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-MP							Weight: 13 lb	FT = 20%

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

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

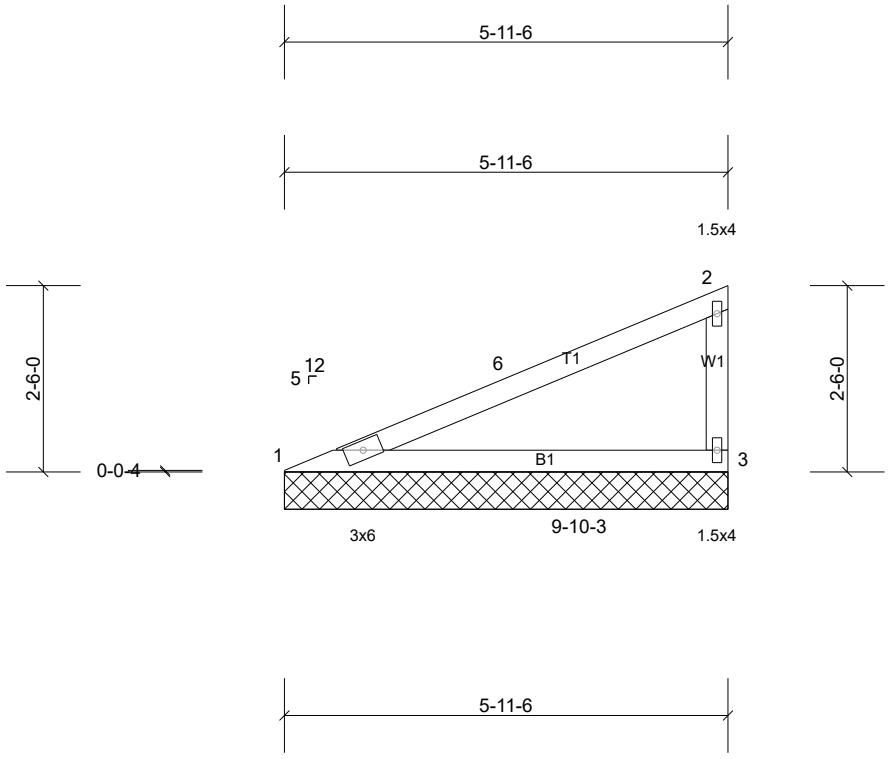
REACTIONS (lb/size) 1=126/3-11-6, (min. 0-1-8), 3=126/3-11-6, (min. 0-1-8)
Max Horiz 1=106 (LC 8)
Max Uplift 1=-86 (LC 11), 3=-107 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-289/308
BOT CHORD 1-3=-423/323

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 0-0-10 to 3-0-10, Zone1 3-0-10 to 3-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 3 and 86 lb uplift at joint 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Sunroom and Lanai
Ashton J	V07	Valley	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	0.54	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	FRC2023/TPI2014	Matrix-AS							Weight: 20 lb	FT = 20%

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

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

REACTIONS (lb/size) 1=192/5-11-6, (min. 0-1-8), 3=192/5-11-6, (min. 0-1-8)
Max Horiz 1=169 (LC 8)
Max Uplift 1=-131 (LC 11), 3=-164 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-487/482, 2-3=-198/312
BOT CHORD 1-3=-635/538

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 0-0-10 to 3-0-10, Zone1 3-0-10 to 5-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 3 and 131 lb uplift at joint 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard