Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483
843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 46957
JOB: 24-2343-F01
JOB NAME: LOT 0.0022 HONEYCUTT HILLS
Wind Code: N/A
Wind Speed: Vult= N/A
Exposure Category: N/A
Mean Roof Height (feet): N/A
These truss designs comply with IRC 2015 as well as IRC 2018.
24 Truss Design(s)

Trusses:
F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-08, F1-09, F1-10, F1-11, F1-12, F1-12A, F1-13, F1-14, F1-15, F1-16, F1-19, F1-20, F1-26, F1-29, F1-30, F1-31, F1-32, F1-33

3/25/2024
Mark Morris

Warning !—Verify design parameters and read notes before use.

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-01	Floor Supported Gable	1	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:46 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-RbAVHEhJiEmIjcQoBCWV846XhnNsKyYgQIECi0zX2Tx

0-1-8

Scale = 1:21.5

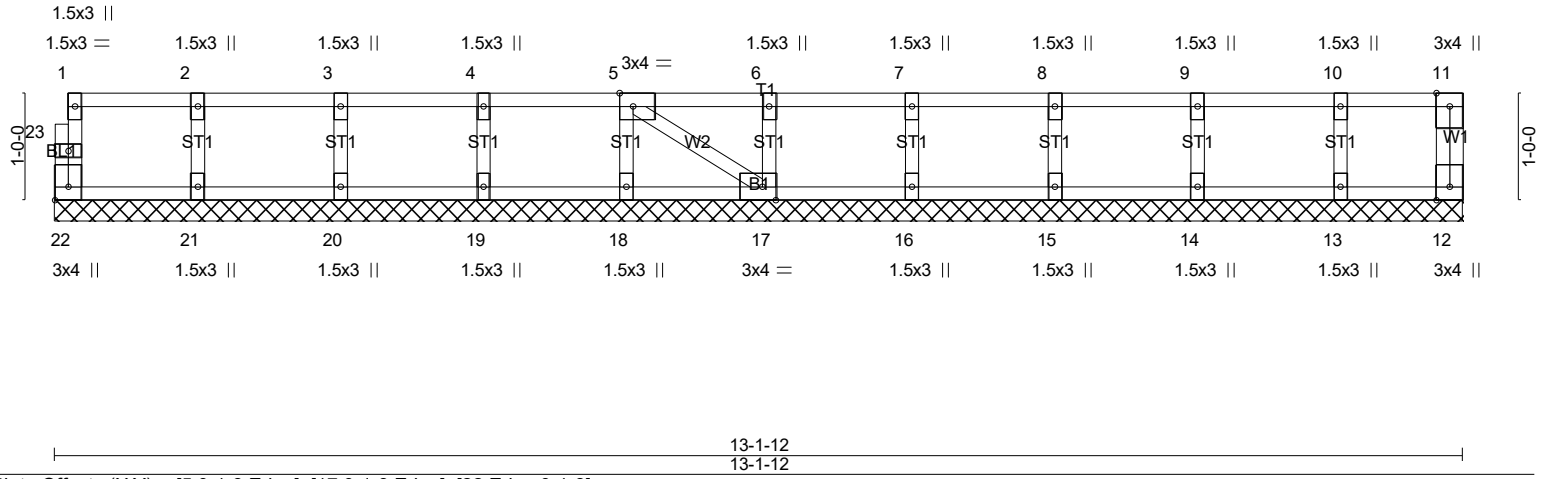


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [17:0-1-8,Edge], [22:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 55 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 13-1-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES- (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-02	FLOOR	5	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:46 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-RbAVHEhJiEmIjcQoBCWV846RanEvKq5gQIECi0zX2Tx

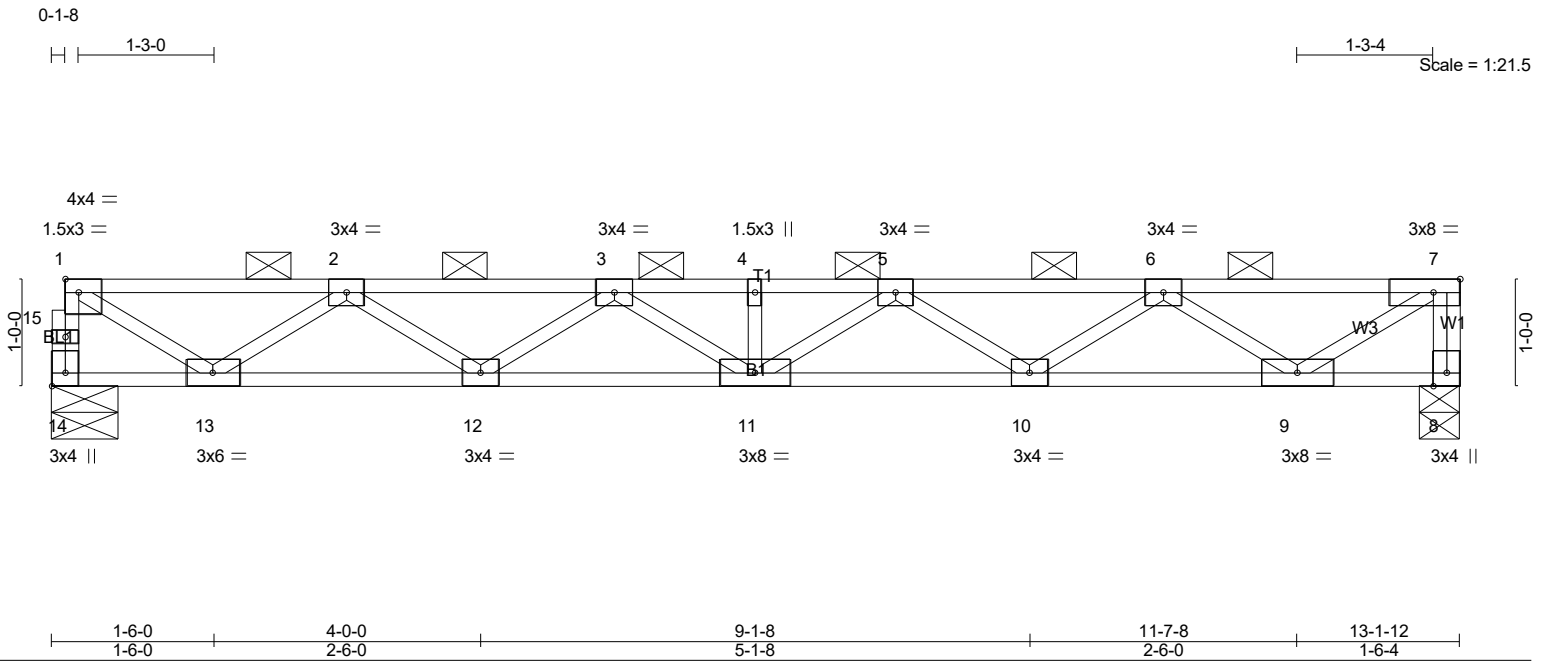


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-3-0,Edge], [14:Edge,0-1-8]

LOADING (psf)		SPACING-	2-1-12	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.13	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.18	11	>874	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 66 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=754/0-7-8 (min. 0-1-8), 8=1161/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-749/0, 1-15=-747/0, 7-8=-1153/0, 1-2=-1008/0, 2-3=-2315/0, 3-4=-2795/0, 4-5=-2795/0, 5-6=-2324/0, 6-7=-1019/0
BOT CHORD 12-13=0/1887, 11-12=0/2705, 10-11=0/2707, 9-10=0/1902
WEBS 1-13=0/1148, 2-13=-1073/0, 2-12=0/523, 3-12=-475/0, 5-10=-468/0, 6-10=0/516, 6-9=-1077/0, 7-9=0/1203

NOTES- (5)
1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
2) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-11, 1-7=-107
Concentrated Loads (lb)
Vert: 7=-400
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-11, 1-7=-107
Concentrated Loads (lb)
Vert: 7=-400

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-03	Floor	1	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:47 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-vnktVahyTYu9Lm__lw1khHfY8Ber3GGpey_lETzX2Tw

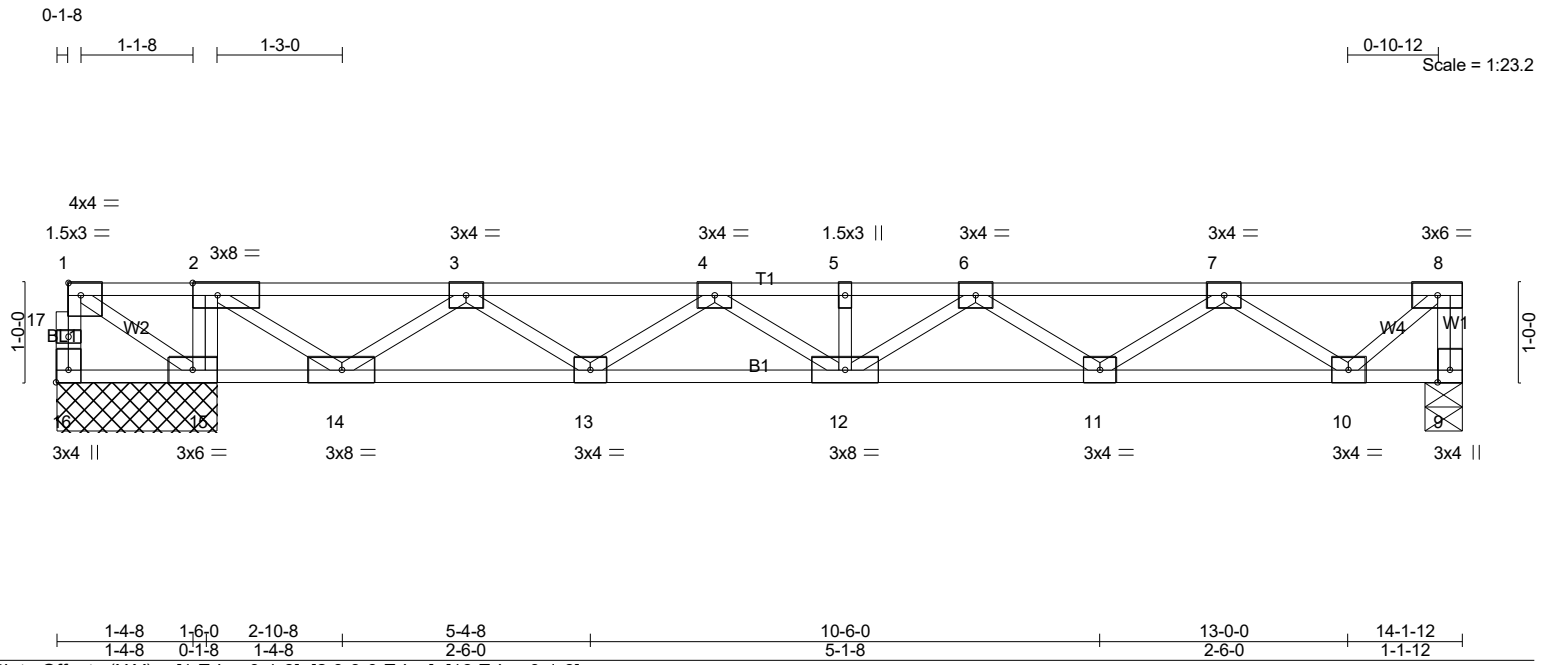


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-3-0,Edge], [16:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.07	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.34	Vert(CT)	-0.10	12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.01	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 73 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 15-16,14-15.

REACTIONS. (lb/size) 16=-964/1-7-8 (min. 0-1-8), 9=575/0-4-8 (min. 0-1-8), 15=1911/1-7-8 (min. 0-1-8)
Max Uplift16=-1011(LC 4)
Max Grav 9=575(LC 4), 15=1911(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=0/1005, 1-17=0/1003, 8-9=-572/0, 1-2=0/1536, 2-3=0/514, 3-4=-954/0, 4-5=-1670/0, 5-6=-1670/0, 6-7=-1498/0, 7-8=-564/0
BOT CHORD 14-15=-1536/0, 13-14=0/413, 12-13=0/1456, 11-12=0/1734, 10-11=0/1227
WEBS 2-15=-891/0, 1-15=-1760/0, 2-14=0/1213, 3-14=-1129/0, 3-13=0/663, 4-13=-615/0, 4-12=0/257, 6-11=-288/0, 7-11=0/332, 7-10=-809/0, 8-10=0/743

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1011 lb uplift at joint 16.
3) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-04	Floor	8	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:48 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-NzIFiwiaEs00ywZBJdYzEVCoMbwJokrytcjJmvzX2Tv

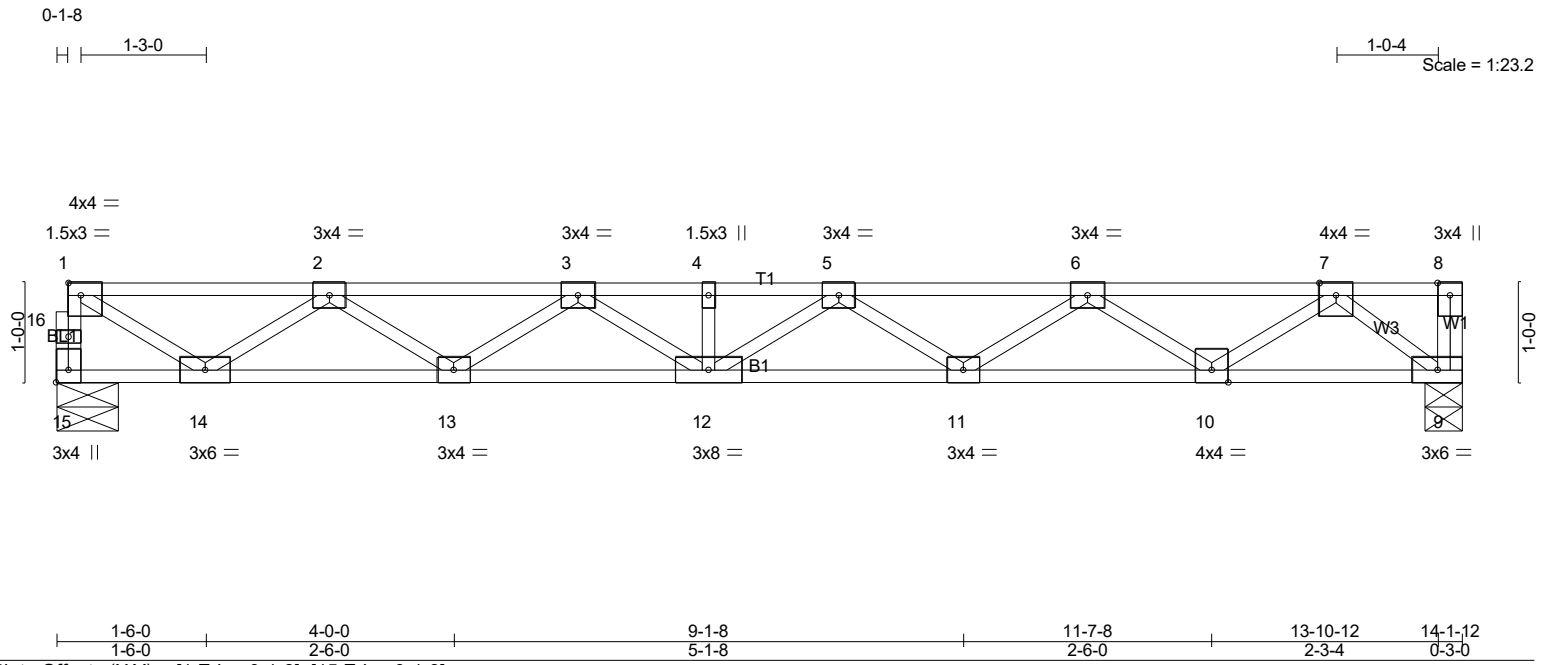


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.16	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.22	11-12	>764	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 71 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 15=758/0-7-8 (min. 0-1-8), 9=764/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-753/0, 1-16=-751/0, 1-2=-1026/0, 2-3=-2400/0, 3-4=-3005/0, 4-5=-3005/0, 5-6=-2721/0, 6-7=-1692/0
BOT CHORD 13-14=0/1923, 12-13=0/2841, 11-12=0/3013, 10-11=0/2396, 9-10=0/950
WEBS 1-14=0/1168, 2-14=-1095/0, 2-13=0/583, 3-13=-539/0, 5-11=-356/0, 6-11=0/398, 6-10=-859/0, 7-10=0/905, 7-9=-1196/0

NOTES- (3)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-05	Floor Supported Gable	1	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:48 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-NzIFiwiaEs00ywZBJdYzEVCsAb3Kos2ytcjJmvzX2Tv

0-1-8

Scale = 1:23.2

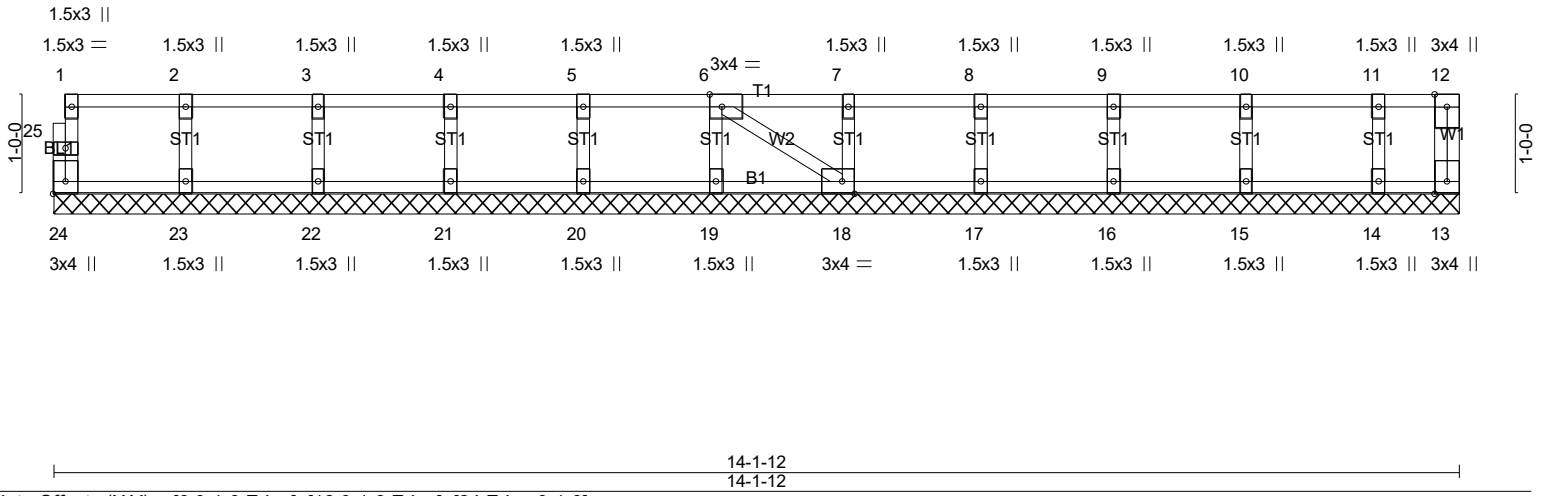


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 59 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 14-1-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES- (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

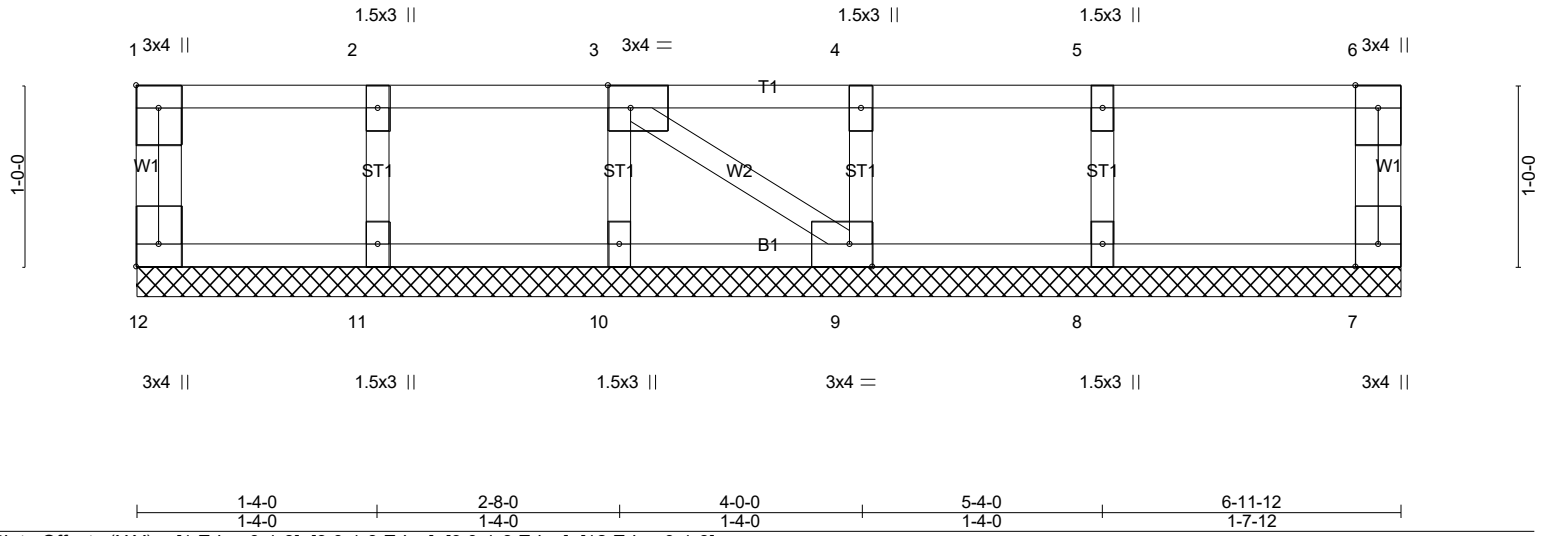
LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-06	GABLE	1	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:49 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-rAsdwGjC?98sa48NsL4Cmik0X?PXXJB66GTsJLzX2Tu

Scale = 1:12.7



1-4-0	2-8-0	4-0-0	5-4-0	6-11-12
1-4-0	1-4-0	1-4-0	1-4-0	1-7-12

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 32 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 6-11-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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

NOTES- (5)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-08	Floor	4	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:49 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-rAsdwGjC?98sa48NsL4Cmik?z?OoXH166GTsJLzX2Tu

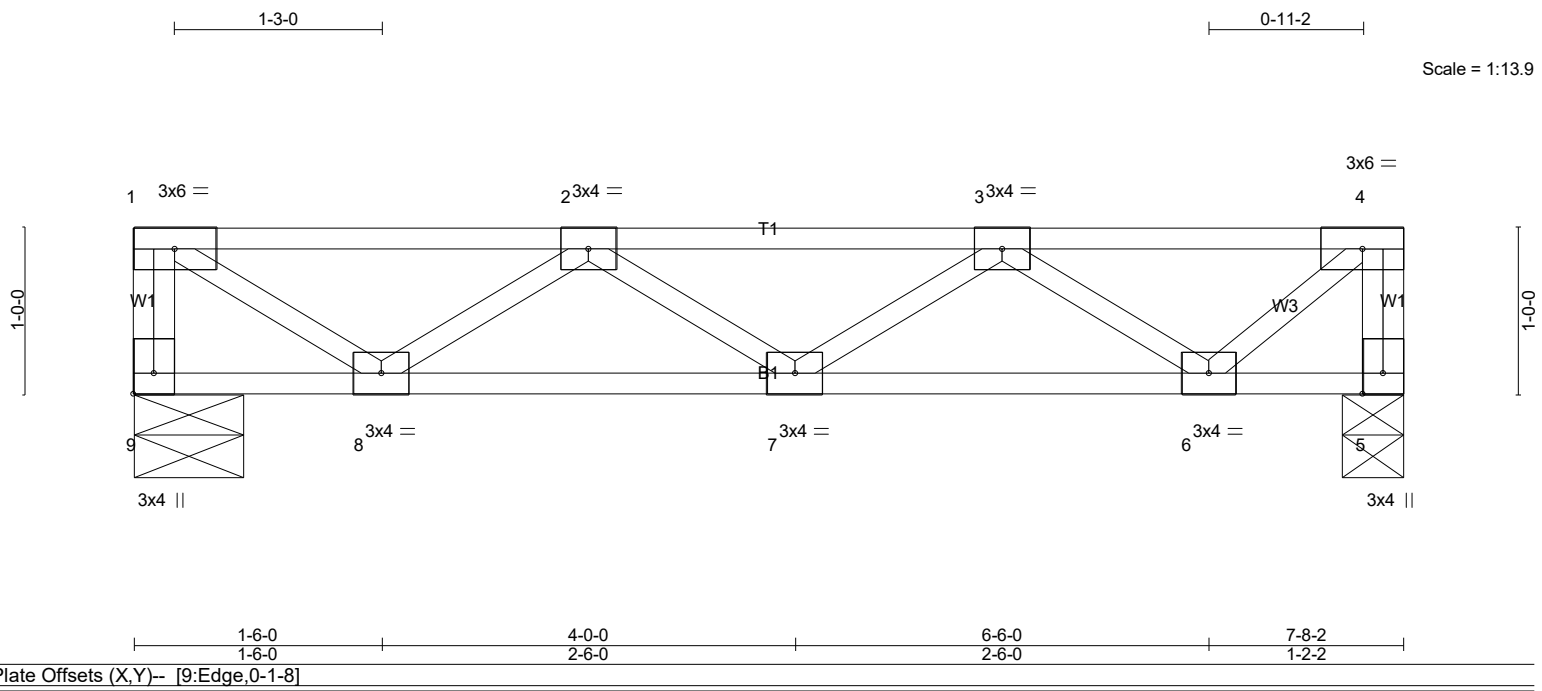


Plate Offsets (X,Y)-- [9:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.18	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	-0.01	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 40 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 9=272/0-8-0 (min. 0-1-8), 5=272/0-4-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-268/0, 4-5=-270/0, 1-2=-310/0, 2-3=-563/0, 3-4=-250/0
BOT CHORD 7-8=0/573, 6-7=0/529
WEBS 1-8=0/368, 2-8=-321/0, 3-6=-340/0, 4-6=0/326

NOTES- (2-5)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
3) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
4) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
5) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-09	Floor Supported Gable	1	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:49 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-rAsdwGjC?98sa48NsL4Cmik1u?PZXJG66GTsJLzX2Tu

Scale = 1:13.3

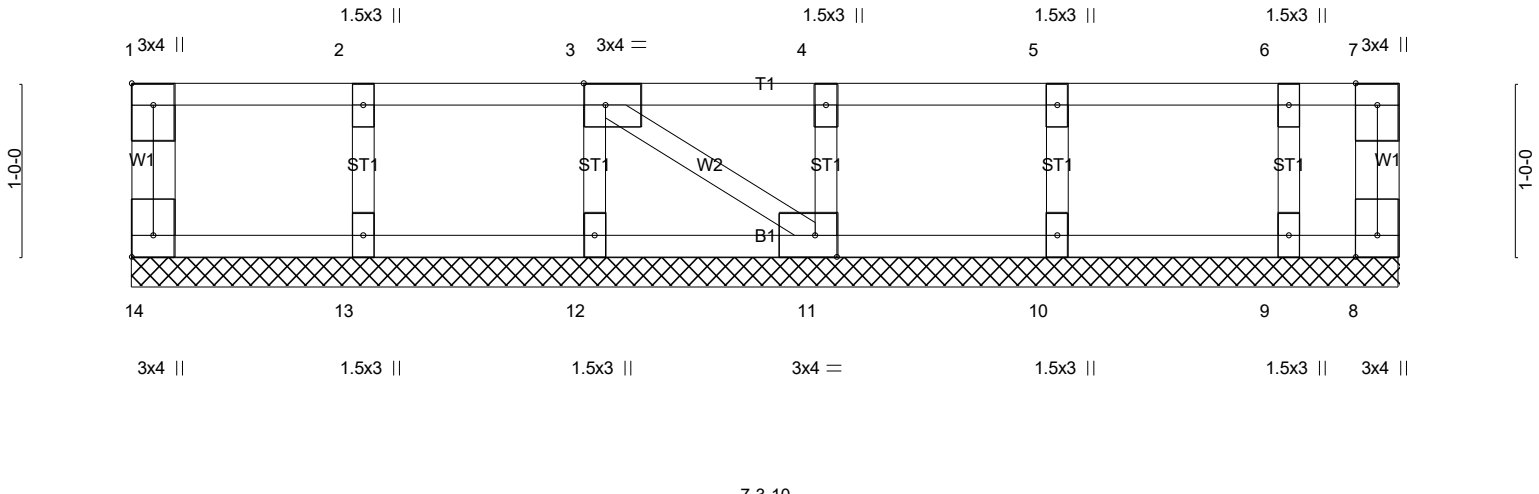


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [11:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 7-3-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 7-3-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES- (5-8)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-10	Floor	5	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:51 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-oY_OKylSXnOapOIm_m6gr7q8uo0M?56PZZyzNEzX2Ts

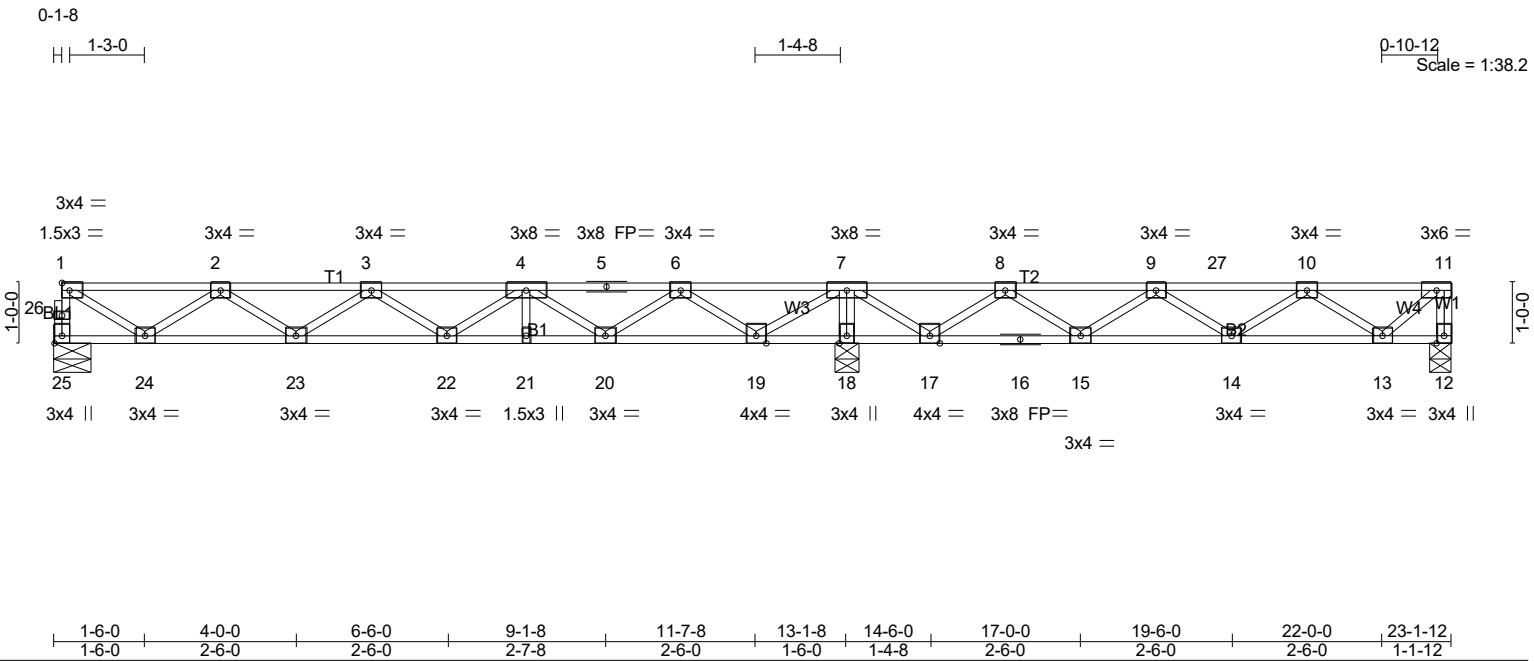


Plate Offsets (X,Y)-- [25:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.99	Vert(LL)	-0.06	22	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.07	22	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.01	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 115 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 25=363/0-7-8 (min. 0-1-8), 12=427/0-4-8 (min. 0-1-8), 18=1220/0-4-8 (min. 0-1-8)
Max Grav 25=384(LC 3), 12=488(LC 4), 18=1220(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 25-26=-380/0, 1-26=-379/0, 11-12=-486/0, 1-2=-492/0, 2-3=-1068/0, 3-4=-1093/0, 4-5=-574/235, 5-6=-574/235, 6-7=0/736, 7-8=0/803, 8-9=-980/0, 9-27=-1296/0, 10-27=-1296/0, 10-11=-525/0
BOT CHORD 23-24=0/916, 22-23=0/1197, 21-22=-75/962, 20-21=-75/962, 19-20=-412/180, 18-19=-1542/0, 17-18=-1549/0, 16-17=-393/512, 15-16=-393/512, 14-15=0/1423, 13-14=0/1149
WEBS 7-18=-1190/0, 1-24=0/559, 2-24=-517/0, 4-20=-506/0, 6-20=0/522, 6-19=-819/0, 7-19=0/935, 7-17=0/963, 8-17=-896/0, 8-15=0/683, 9-15=-652/0, 10-13=-761/0, 11-13=0/691

NOTES- (5-8)
1) Unbalanced floor live loads have been considered for this design.
2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 27=-335
2) Dead: Lumber Increase=1.00, Plate Increase=1.00

3/25/2024

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 12-25=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 27=-335
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-7=-67, 7-11=-13
Concentrated Loads (lb)
Vert: 27=-335
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-7=-13, 7-11=-67
Concentrated Loads (lb)
Vert: 27=-335
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-7=-67, 7-11=-13
Concentrated Loads (lb)
Vert: 27=-335
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-25=-7, 1-7=-13, 7-11=-67
Concentrated Loads (lb)
Vert: 27=-335

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-11	Floor	3	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:52 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-GlXmYlI4I4WRRXtyYTdvOLMUGCNOkZmYoDhWvgzX2Tr

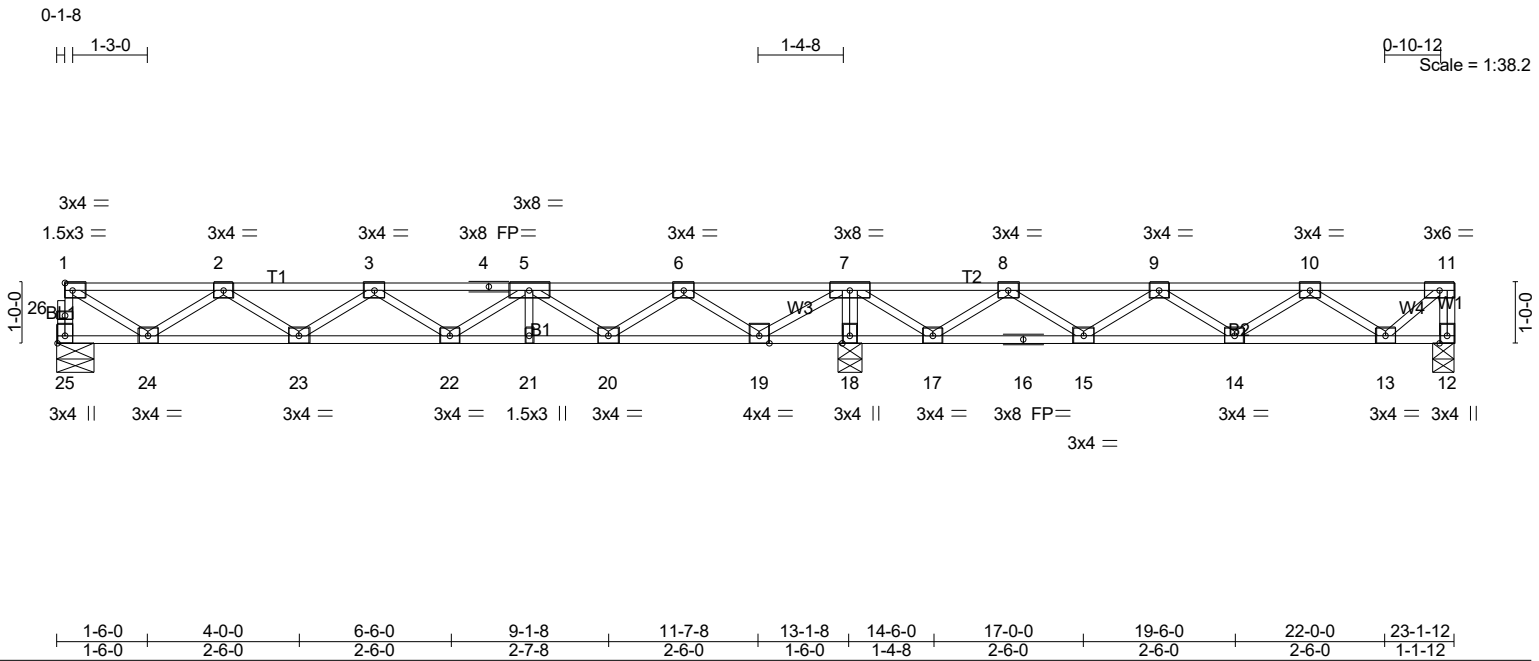


Plate Offsets (X,Y)-- [25:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.06	22	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(CT)	-0.08	22	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	18	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 115 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 25=380/0-7-8 (min. 0-1-8), 12=241/0-4-8 (min. 0-1-8), 18=1054/0-4-8 (min. 0-1-8)
Max Grav 25=400(LC 3), 12=303(LC 4), 18=1054(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 25-26=-397/0, 1-26=-396/0, 11-12=-301/0, 1-2=-519/0, 2-3=-1143/0, 3-4=-1216/0, 4-5=-1216/0, 5-6=-748/62, 6-7=0/516, 7-8=0/778, 8-9=-545/384, 9-10=-678/123, 10-11=-281/10
BOT CHORD 23-24=0/967, 22-23=0/1295, 21-22=0/1109, 20-21=0/1109, 19-20=-213/379, 18-19=-1300/0, 17-18=-1306/0, 16-17=-566/339, 15-16=-566/339, 14-15=-228/726, 13-14=-42/607
WEBS 7-18=-1027/0, 1-24=0/589, 2-24=-547/0, 5-20=-475/0, 6-20=0/491, 6-19=-793/0, 7-19=0/909, 7-17=0/706, 8-17=-653/0, 8-15=0/363, 9-15=-332/0, 10-13=-397/39, 11-13=-13/371

NOTES- (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-12	Floor	2	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:53 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-kx58ldmi3OeI3hS85A88xYve2ciKT?jh1tR4S6zX2Tq

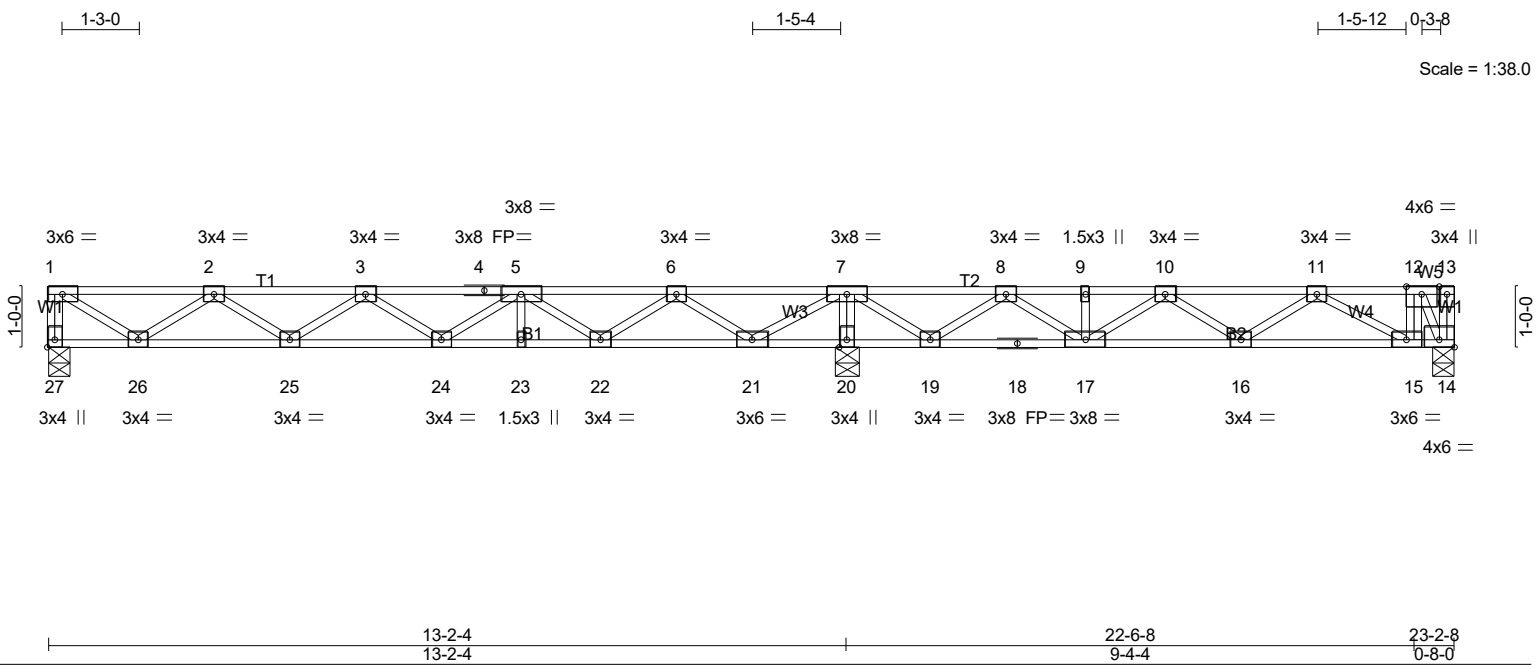


Plate Offsets (X,Y)-- [14:Edge,0-1-8], [27:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.06	24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.08	24	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.01	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 119 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 27=379/0-4-8 (min. 0-1-8), 20=1121/0-4-8 (min. 0-1-8), 14=1049/0-4-8 (min. 0-1-8)
Max Grav 27=400(LC 3), 20=1121(LC 1), 14=1111(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-27=-395/0, 1-2=-509/0, 2-3=-1122/0, 3-4=-1180/0, 4-5=-1180/0, 5-6=-698/127, 6-7=0/582, 7-8=0/802, 8-9=-718/224, 9-10=-718/224, 10-11=-978/0, 11-12=-672/0
BOT CHORD 25-26=0/954, 24-25=0/1266, 23-24=0/1066, 22-23=0/1066, 21-22=-288/322, 20-21=-1408/0, 19-20=-1417/0, 18-19=-513/394, 17-18=-513/394, 16-17=0/960, 15-16=0/968, 14-15=0/672
WEBS 7-20=-1093/0, 1-26=0/604, 2-26=-542/0, 5-22=-483/0, 6-22=0/499, 6-21=-804/0, 7-21=0/948, 7-19=0/804, 8-19=-744/0, 8-17=0/514, 10-17=-399/0, 11-15=-338/154, 12-14=-1277/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-27=-7, 1-13=-67
Concentrated Loads (lb)
Vert: 12=-865
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-27=-7, 1-13=-67
Concentrated Loads (lb)
Vert: 12=-865
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-27=-7, 1-7=-67, 7-13=-13
Concentrated Loads (lb)
Vert: 12=-865

3/25/2024

Continued on page 2

LOAD CASE(S) Standard

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-27=-7, 1-7=-13, 7-13=-67
   Concentrated Loads (lb)
      Vert: 12=-865
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-27=-7, 1-7=-67, 7-13=-13
   Concentrated Loads (lb)
      Vert: 12=-865
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-27=-7, 1-7=-13, 7-13=-67
   Concentrated Loads (lb)
      Vert: 12=-865

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-12A	Floor	7	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:54 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-C7fWzznLqim9gr1KfufNTmSnD00RCQKrFXAd_ZzX2Tp

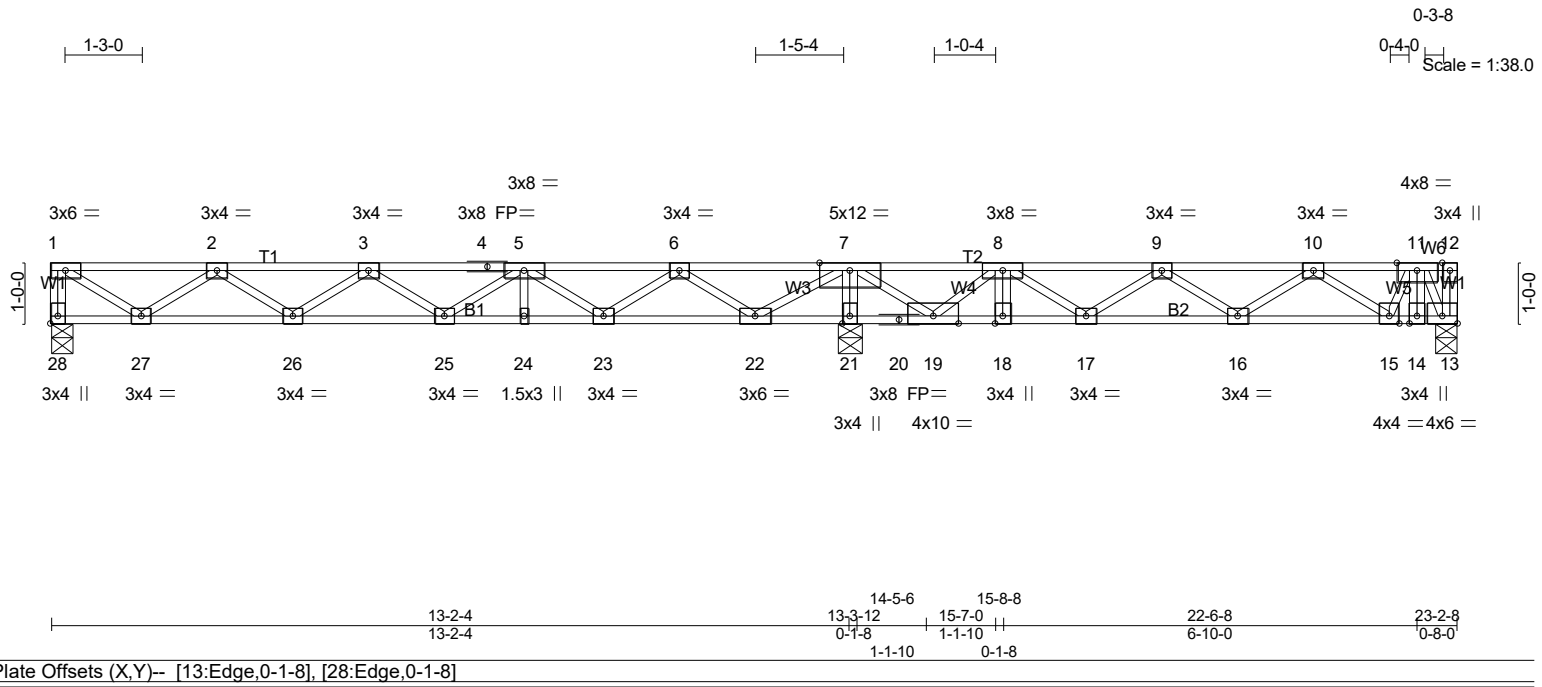


Plate Offsets (X,Y)-- [13:Edge,0-1-8], [28:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.06	25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.41	Vert(CT)	-0.08	16-17	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.01	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 120 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except*
W2: 2x4 SP No.2(flat)

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

REACTIONS. (lb/size) 28=331/0-4-8 (min. 0-1-8), 21=1926/0-4-8 (min. 0-1-8), 13=1223/0-4-8 (min. 0-1-8)
Max Grav 28=351(LC 3), 21=1926(LC 1), 13=1286(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-28=-347/0, 1-2=-434/0, 2-3=-910/37, 3-4=-831/245, 4-5=-831/245, 5-6=-206/614, 6-7=0/1210, 7-8=-332/338, 8-9=-1881/0, 9-10=-1676/0, 10-11=-963/0
BOT CHORD 26-27=0/810, 25-26=-119/986, 24-25=-400/646, 23-24=-400/646, 22-23=-845/0, 21-22=-2109/0, 20-21=-2124/0, 19-20=-2124/0, 18-19=0/1823, 17-18=0/1823, 16-17=0/1904, 15-16=0/1426, 14-15=0/770, 13-14=0/770
WEBS 7-21=-1879/0, 1-27=0/515, 2-27=-459/2, 5-25=0/258, 5-23=-568/0, 6-23=0/585, 6-22=-889/0, 7-22=0/1031, 7-19=0/2200, 8-19=-1960/0, 9-16=-278/0, 10-16=0/304, 10-15=-565/0, 11-15=0/416, 11-13=-1462/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-28=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 8=-932 11=-865
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-28=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 8=-932 11=-865
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-28=-7, 1-7=-67, 7-12=-13

3/25/2024

Continued on page 2

LOAD CASE(S)

Concentrated Loads (lb)
Vert: 8=-932 11=-865

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-28=-7, 1-7=-13, 7-12=-67
Concentrated Loads (lb)
Vert: 8=-932 11=-865

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-28=-7, 1-7=-67, 7-12=-13
Concentrated Loads (lb)
Vert: 8=-932 11=-865

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-28=-7, 1-7=-13, 7-12=-67
Concentrated Loads (lb)
Vert: 8=-932 11=-865

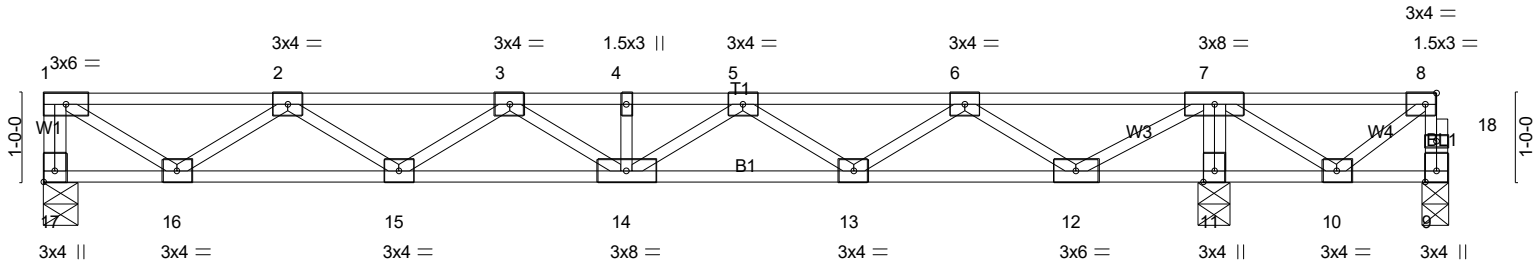
3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-13	Floor	1	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:54 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-C7fWzznLqim9gr1KfufNTmSqx032CT5rFXAd_ZzX2Tp

1-3-0 1-5-4 1-0-0 0-1-8

Scale = 1:26.0



13-2-4 15-9-12
13-2-4 2-7-8

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [17:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.05	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.24	Vert(CT)	-0.07	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 17=395/0-4-8 (min. 0-1-8), 9=-353/0-3-8 (min. 0-1-8), 11=1096/0-4-8 (min. 0-1-8)
Max Uplift9=-413(LC 3)
Max Grav 17=395(LC 3), 11=1096(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-391/0, 9-18=0/419, 8-18=0/418, 1-2=-504/0, 2-3=-1098/0, 3-4=-1169/0, 4-5=-1169/0, 5-6=-650/0, 6-7=0/378, 7-8=0/540
BOT CHORD 15-16=0/943, 14-15=0/1229, 13-14=0/1002, 12-13=0/272, 11-12=-1189/0, 10-11=-1196/0
WEBS 7-11=-1065/0, 1-16=0/597, 2-16=-536/0, 5-13=-435/0, 6-13=0/468, 6-12=-791/0, 7-12=0/932, 7-10=0/777, 8-10=-661/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 9.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-14	Floor	4	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:55 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYl-gJDvAJozb?u0l?cXDbAc0z_?hPPHxwL_UBwBW?zX2To

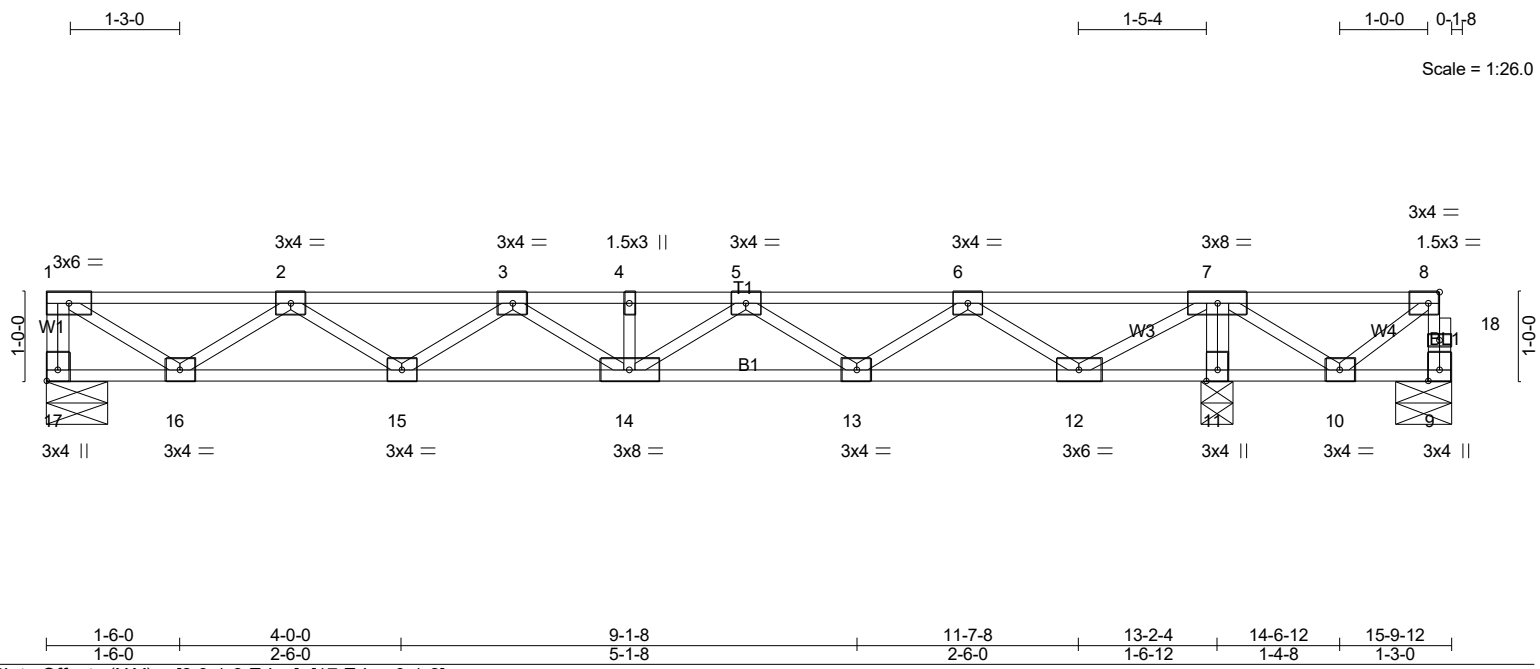


Plate Offsets (X,Y)-- [8:0-1-8,Edge], [17:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.05	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.24	Vert(CT)	-0.07	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 17=395/0-8-4 (min. 0-1-8), 9=-353/0-7-8 (min. 0-1-8), 11=1096/0-4-8 (min. 0-1-8)
Max Uplift9=-413(LC 3)
Max Grav 17=395(LC 3), 11=1096(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-391/0, 9-18=0/419, 8-18=0/418, 1-2=-504/0, 2-3=-1098/0, 3-4=-1169/0, 4-5=-1169/0, 5-6=-650/0, 6-7=0/378, 7-8=0/540
BOT CHORD 15-16=0/943, 14-15=0/1229, 13-14=0/1002, 12-13=0/272, 11-12=-1189/0, 10-11=-1196/0
WEBS 7-11=-1065/0, 1-16=0/597, 2-16=-536/0, 5-13=-435/0, 6-13=0/468, 6-12=-791/0, 7-12=0/932, 7-10=0/777, 8-10=-661/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 9.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-15	Floor	1	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:56 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYl-8WnHOfobMJ0tw9AjnJisYBXAXpkXgNn8jrfk3RzX2Tn

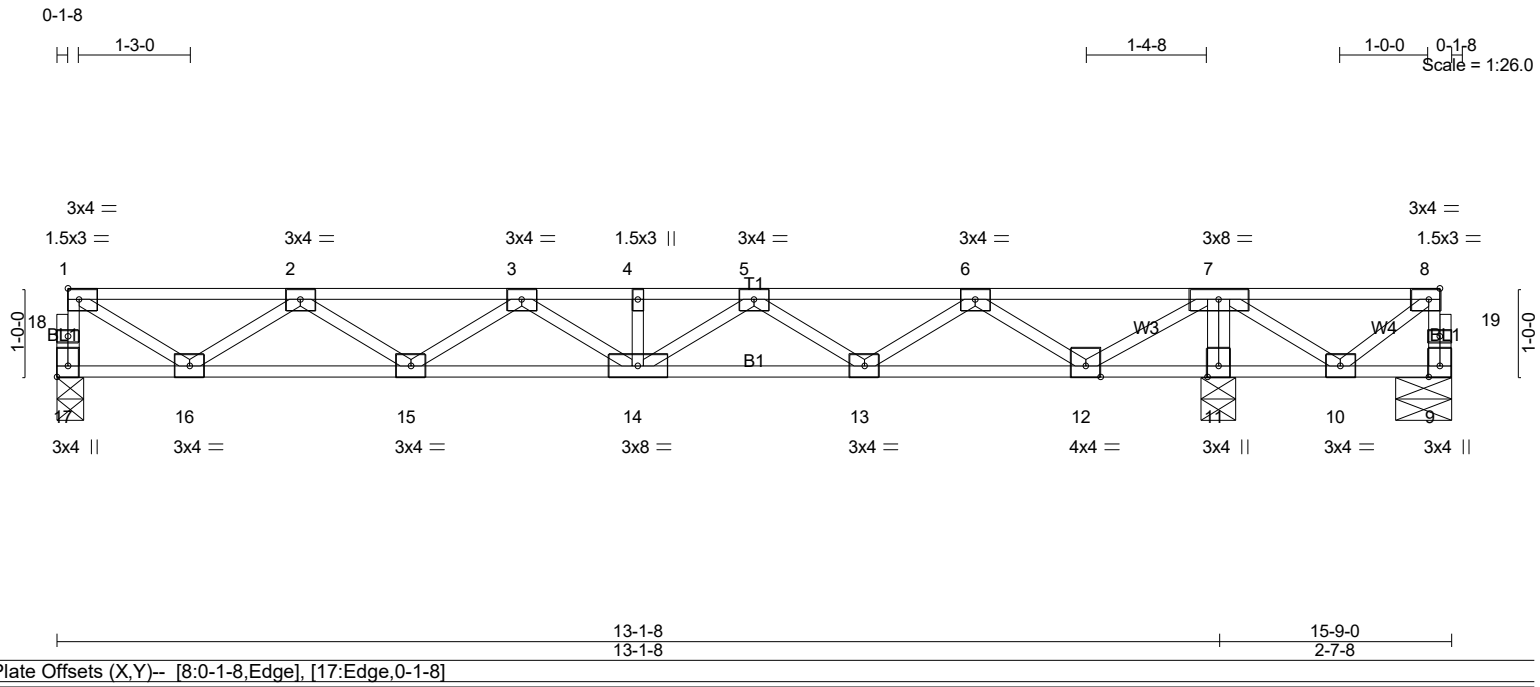


Plate Offsets (X,Y)-- [8:0-1-8,Edge], [17:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.05	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.24	Vert(CT)	-0.07	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 17=389/0-3-8 (min. 0-1-8), 9=-348/0-7-8 (min. 0-1-8), 11=1088/0-4-8 (min. 0-1-8)
Max Uplift9=-409(LC 3)
Max Grav 17=389(LC 3), 11=1088(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-386/0, 1-18=-385/0, 9-19=0/414, 8-19=0/414, 1-2=-503/0, 2-3=-1090/0, 3-4=-1155/0, 4-5=-1155/0, 5-6=-632/0, 6-7=0/399, 7-8=0/535
BOT CHORD 15-16=0/936, 14-15=0/1219, 13-14=0/986, 11-12=-1178/0, 10-11=-1183/0
WEBS 7-11=-1057/0, 1-16=0/571, 2-16=-529/0, 5-13=-439/0, 6-13=0/472, 6-12=-791/0, 7-12=0/904, 7-10=0/768, 8-10=-654/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 9.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-16	GABLE	1	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:58 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-4uv1oLqruwGb9SK6ukkKeccRadR18HpRA98r7KzX2TI

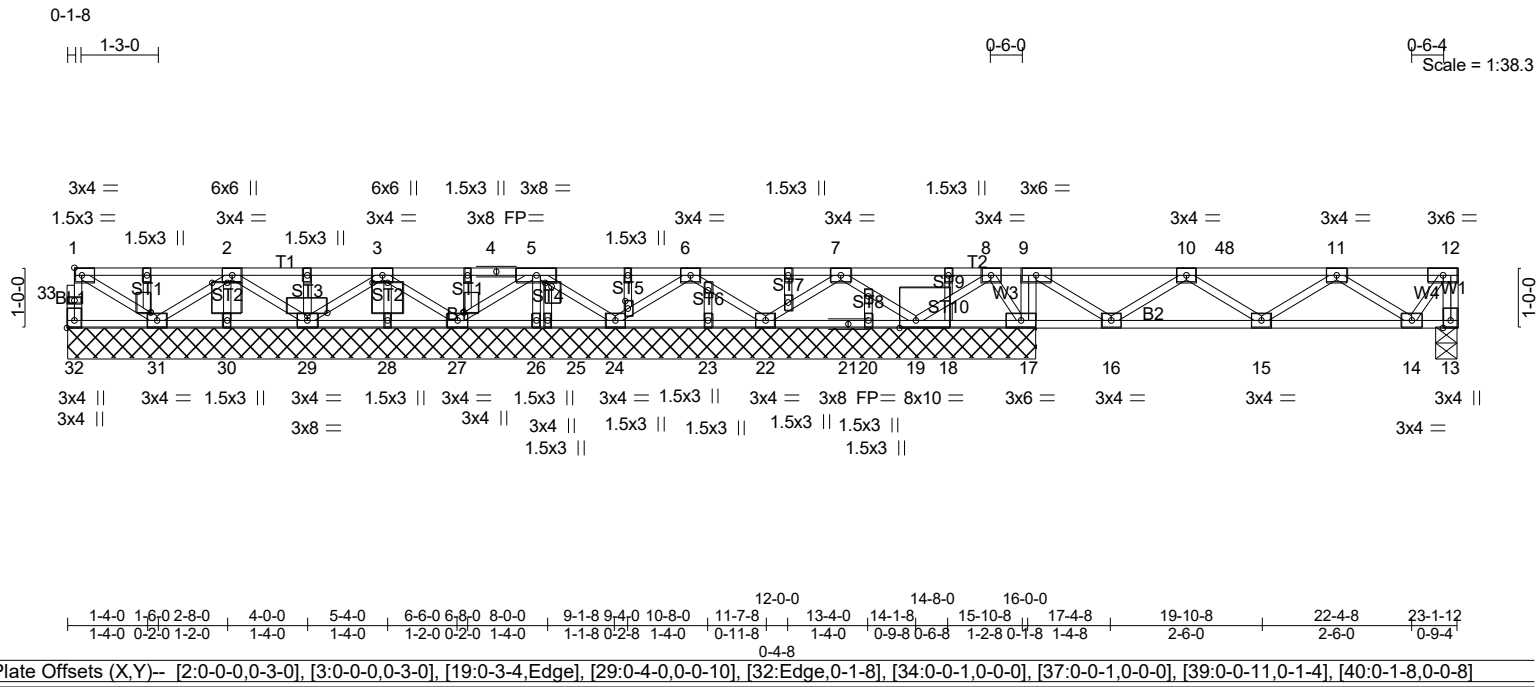


Plate Offsets (X,Y)-- [2:0-0-0,0-3-0], [3:0-0-0,0-3-0], [19:0-3-4,Edge], [29:0-4-0,0-0-10], [32:Edge,0-1-8], [34:0-0-1,0-0-0], [37:0-0-1,0-0-0], [39:0-0-11,0-1-4], [40:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.01	15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.17	Vert(CT)	-0.02	15	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 126 lb	FT = 20%F, 11%E

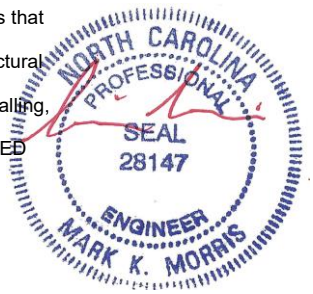
LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 16-1-8 except (jt=length) 13=0-4-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 18 except 19=-145(LC 4)
Max Grav All reactions 250 lb or less at joint(s) 32, 31, 29, 27, 26, 24, 22, 19, 30, 28, 25, 23, 20 except 13=340(LC 4), 17=806(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-340/0, 8-9=0/584, 10-48=-721/0, 11-48=-721/0
BOT CHORD 18-19=-410/0, 17-18=-410/0, 16-17=-584/0, 15-16=0/759, 14-15=0/659
WEBS 9-17=-507/0, 8-19=0/355, 8-17=-359/0, 9-16=0/832, 10-16=-771/0, 11-14=-523/0, 12-14=0/389

NOTES- (7-10)
1) Unbalanced floor live loads have been considered for this design.
2) Gable studs spaced at 1-4-0 oc.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (jt=lb) 19=145.
4) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.
7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
9) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.



3/25/2024

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 13-32=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 48=-335
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-32=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 48=-335
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-32=-7, 1-9=-67, 9-12=-13
Concentrated Loads (lb)
Vert: 48=-335
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-32=-7, 1-9=-13, 9-12=-67
Concentrated Loads (lb)
Vert: 48=-335
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-32=-7, 1-9=-67, 9-12=-13
Concentrated Loads (lb)
Vert: 48=-335
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-32=-7, 1-9=-13, 9-12=-67
Concentrated Loads (lb)
Vert: 48=-335

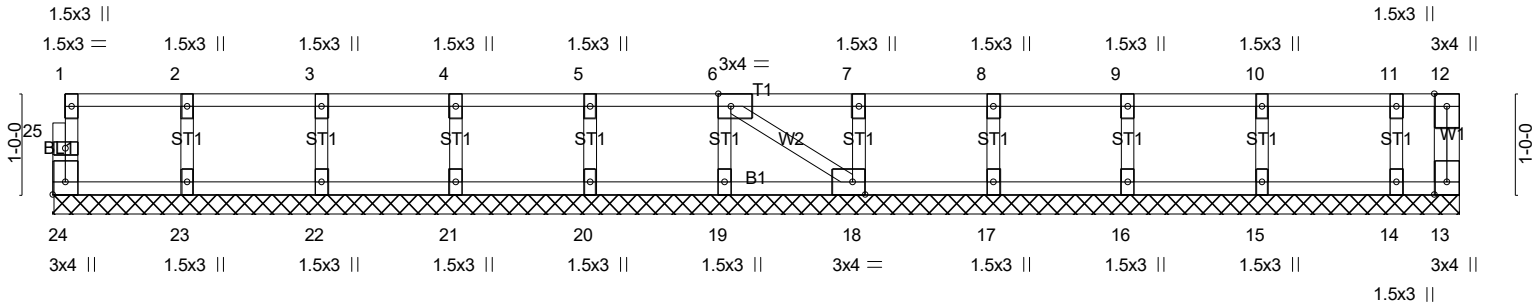
3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-19	GABLE	1	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:58 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-4uv1oLqruwGb9SK6ukkKeccafdTf8NWRA98r7KzX2TI

0-1-8

Scale = 1:22.9



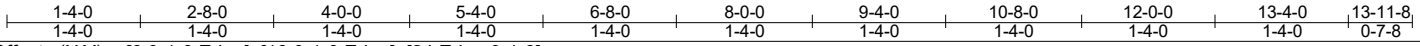


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 59 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 13-11-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES- (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-20	Floor	8	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:59 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-Z5TP0hrTeEOSncvISRFZAp9gh1gitiTaPpuOfmzX2Tk

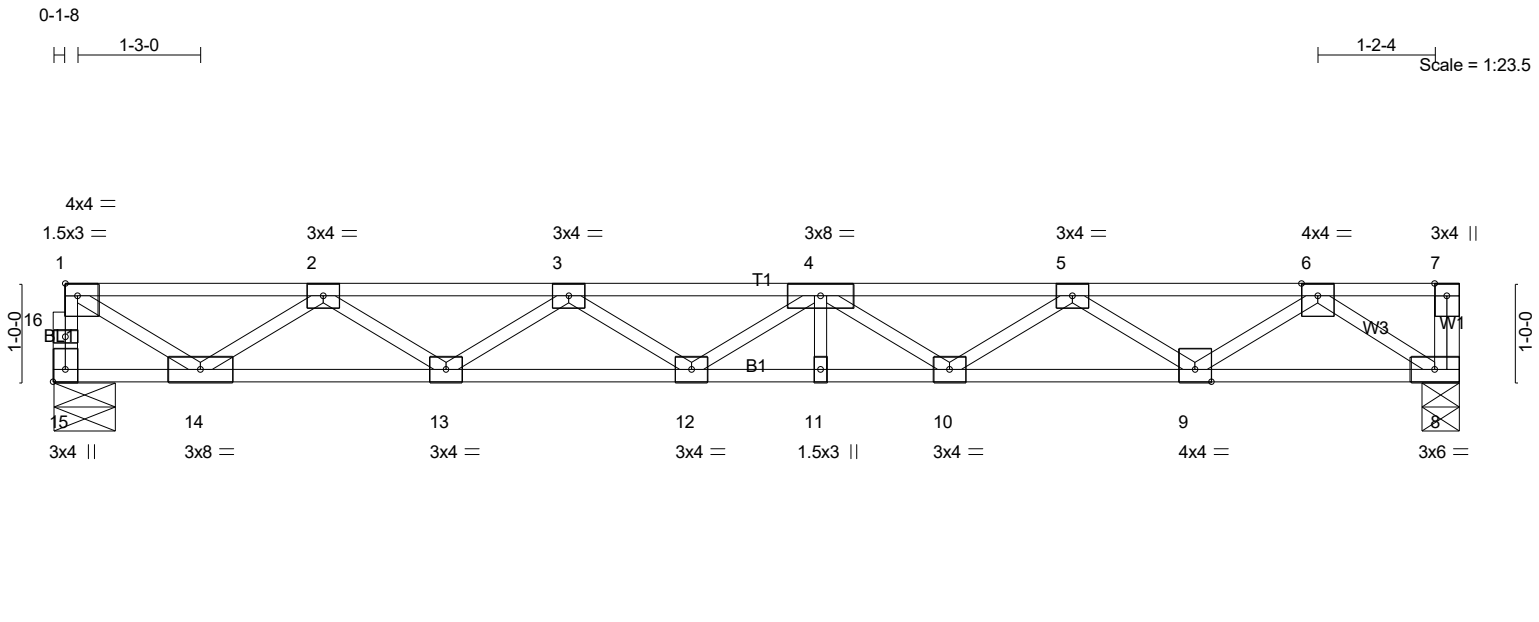


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.17	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.23	11-12	>739	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 71 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 15=767/0-7-8 (min. 0-1-8), 8=773/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-762/0, 1-16=-760/0, 1-2=-1038/0, 2-3=-2447/0, 3-4=-3029/0, 4-5=-2818/0, 5-6=-1811/0
BOT CHORD 13-14=0/1946, 12-13=0/2911, 11-12=0/3120, 10-11=0/3120, 9-10=0/2499, 8-9=0/1084
WEBS 1-14=0/1182, 2-14=-1108/0, 2-13=0/611, 3-13=-567/0, 4-10=-363/0, 5-10=0/389, 5-9=-840/0, 6-9=0/888, 6-8=-1302/0

NOTES- (3)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-26	Floor Supported Gable	1	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:35:59 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYl-Z5TP0hrTeEOSncvlSRFZAp9lP1putqmaPpuOfmzX2Tk

0-1-8

Scale = 1:23.5

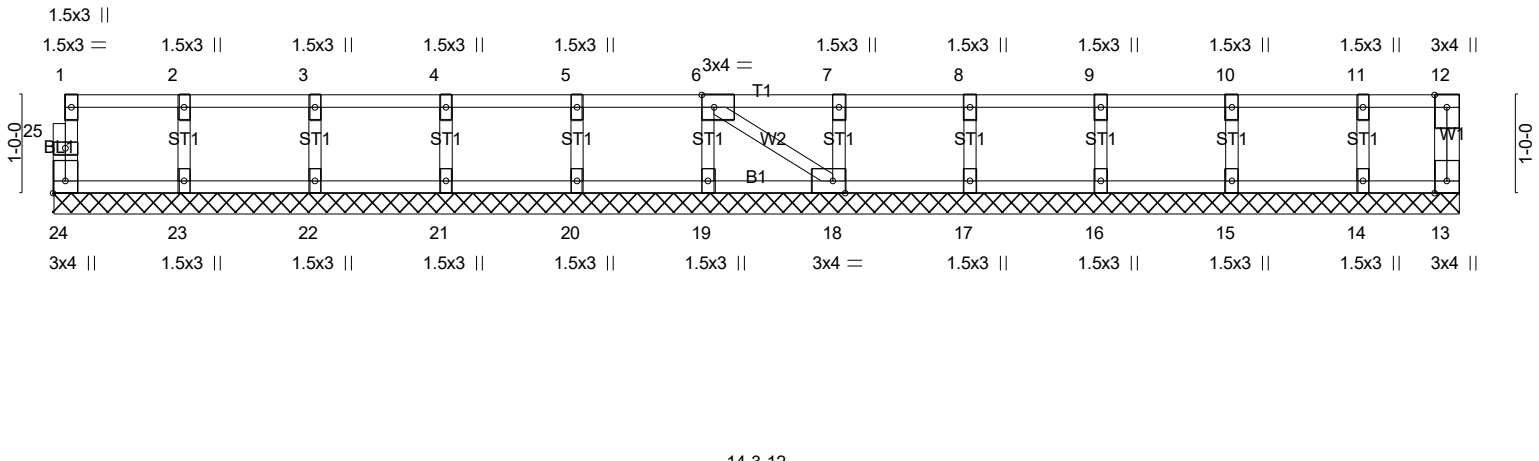


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 60 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

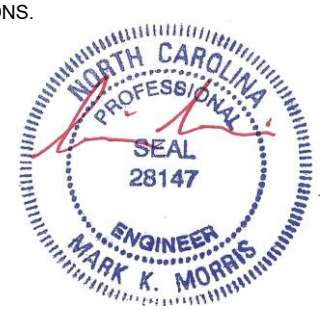
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 14-3-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES- (6-9)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-29	Floor	1	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:00 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-1H0oD1s5PYXJOmUU09moj1hqKQ5wc7PjeTdxCCzX2Tj

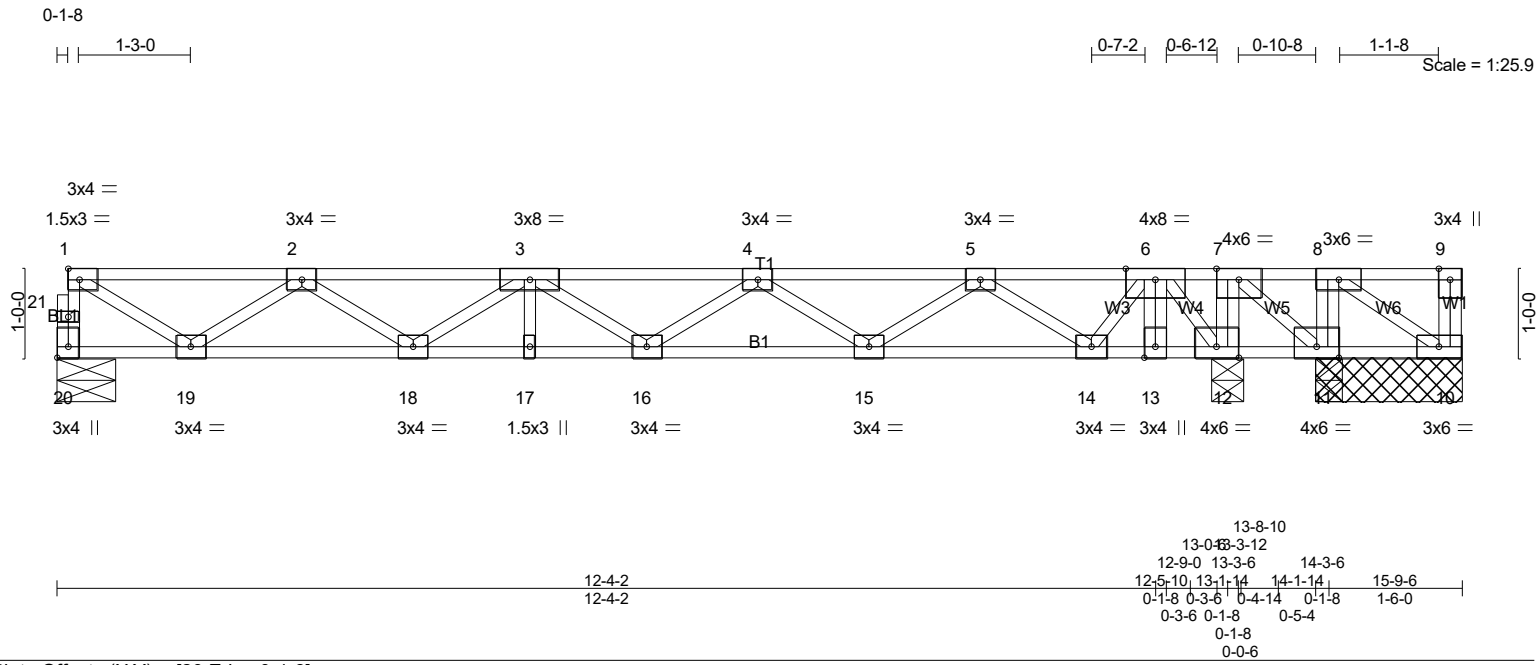


Plate Offsets (X,Y)-- [20:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.05	17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.28	Vert(CT)	-0.08	16	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.01	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 85 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 20=402/0-7-14 (min. 0-1-8), 10=-340/1-7-8 (min. 0-1-8), 11=-396/1-7-8 (min. 0-1-8), 11=-396/1-7-8 (min. 0-1-8), 12=2204/0-4-8 (min. 0-1-8)
Max Uplift10=-372(LC 3), 11=-476(LC 3), 11=-396(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 20-21=-399/0, 1-21=-398/0, 1-2=-523/0, 2-3=-1149/0, 3-4=-1222/0, 4-5=-764/0, 6-7=0/1685, 7-8=0/614
BOT CHORD 18-19=0/973, 17-18=0/1311, 16-17=0/1311, 15-16=0/1116, 14-15=0/391, 13-14=-581/0, 12-13=-581/0, 11-12=-1685/0, 10-11=-614/0
WEBS 8-11=-462/0, 7-12=-934/0, 7-11=0/1357, 8-10=0/728, 1-19=0/594, 2-19=-550/0, 4-15=-429/0, 5-15=0/455, 5-14=-730/0, 6-14=0/589, 6-12=-1622/0

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 372 lb uplift at joint 10 and 476 lb uplift at joint 11.
3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-20=-7, 1-9=-67
Concentrated Loads (lb)
Vert: 6=-735

3/25/2024

Continued on page 2

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-20=-7, 1-9=-67
   Concentrated Loads (lb)
      Vert: 6=-735
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-20=-7, 1-7=-67, 7-9=-13
   Concentrated Loads (lb)
      Vert: 6=-735
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-20=-7, 1-7=-13, 7-9=-67
   Concentrated Loads (lb)
      Vert: 6=-735
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-20=-7, 1-7=-67, 7-9=-13
   Concentrated Loads (lb)
      Vert: 6=-735
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-20=-7, 1-7=-13, 7-9=-67
   Concentrated Loads (lb)
      Vert: 6=-735

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-30	Floor	2	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:01 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-VTaARNskArfA0w3hZsH1FEE?_qRwLYuts7NVkfzX2Ti

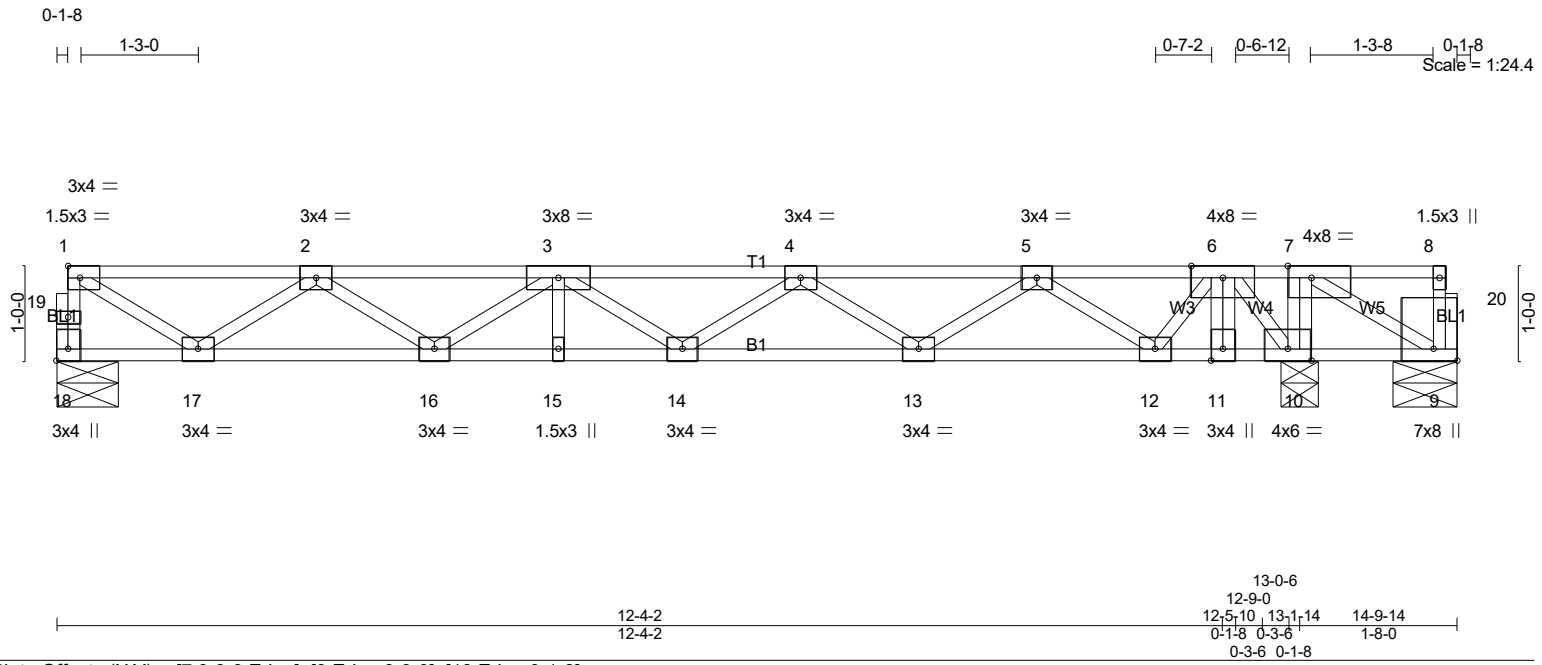


Plate Offsets (X,Y)-- [7:0-3-0,Edge], [9:Edge,0-3-0], [18:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.05	15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.08	14	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.01	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 78 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 18=415/0-7-14 (min. 0-1-8), 9=-834/0-8-0 (min. 0-1-8), 10=2215/0-4-8 (min. 0-1-8)
Max Uplift9=-871(LC 3)
Max Grav 18=415(LC 3), 10=2215(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-411/0, 1-19=-410/0, 1-2=-542/0, 2-3=-1204/0, 3-4=-1313/0, 4-5=-890/0, 6-7=0/1504
BOT CHORD 16-17=0/1010, 15-16=0/1383, 14-15=0/1383, 13-14=0/1224, 12-13=0/535, 11-12=-412/59, 10-11=-412/59, 9-10=-1504/0
WEBS 7-10=-980/0, 7-9=0/1728, 1-17=0/616, 2-17=-572/0, 4-13=-408/0, 5-13=0/434, 5-12=-710/0, 6-12=0/573, 6-10=-1608/0

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 871 lb uplift at joint 9.
3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-8=-67
Concentrated Loads (lb)
Vert: 6=-735
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-8=-67

3/25/2024

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 6=-735
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-7=-67, 7-8=-13
Concentrated Loads (lb)
Vert: 6=-735
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-7=-13, 7-8=-67
Concentrated Loads (lb)
Vert: 6=-735
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-7=-67, 7-8=-13
Concentrated Loads (lb)
Vert: 6=-735
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-7=-13, 7-8=-67
Concentrated Loads (lb)
Vert: 6=-735

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-31	Floor	1	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:02 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-zg8YeitMx9n0e4et7ZoGoSnA?EmQ42g05n62G5zX2Th

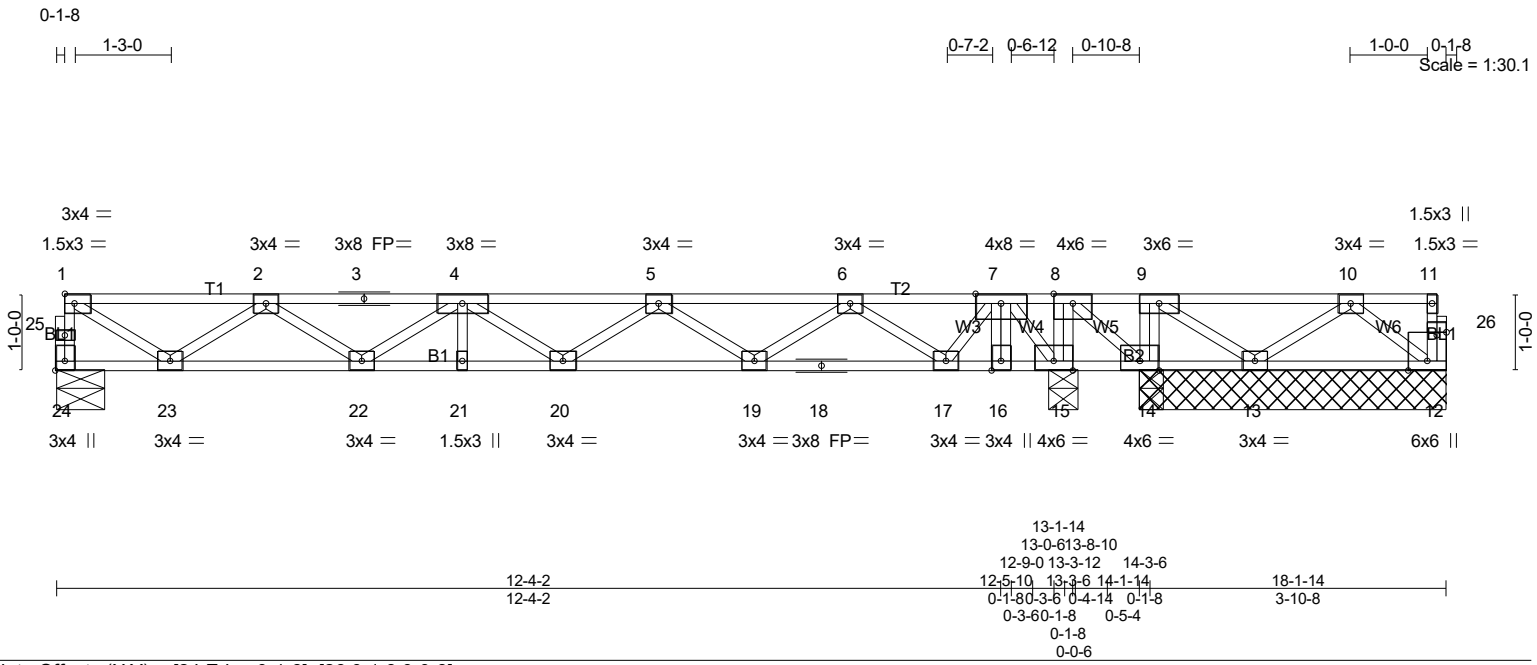


Plate Offsets (X,Y)-- [24:Edge,0-1-8], [26:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.05	21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.08	20	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.01	15	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 96 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

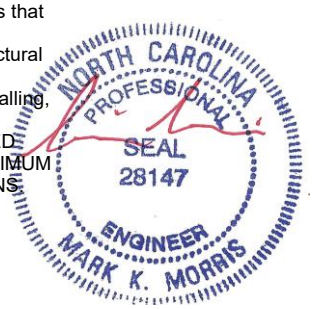
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 4-0-0 except (jt=length) 24=0-7-14, 15=0-4-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 12 except 14=-517(LC 3), 14=-401(LC 1), 13=-129(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 13, 12 except 24=401(LC 1), 15=2117(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 24-25=-397/0, 1-25=-396/0, 1-2=-520/0, 2-3=-1142/0, 3-4=-1142/0, 4-5=-1209/0, 5-6=-746/0, 7-8=0/1716, 8-9=0/728, 9-10=0/310
BOT CHORD 22-23=0/968, 21-22=0/1300, 20-21=0/1300, 19-20=0/1100, 18-19=0/371, 17-18=0/371, 16-17=-605/0, 15-16=-605/0, 14-15=-1716/0, 13-14=-728/0
WEBS 9-14=-398/0, 8-15=-835/0, 8-14=0/1252, 9-13=0/513, 10-13=-328/0, 1-23=0/591, 2-23=-547/0, 5-19=-432/0, 6-19=0/459, 6-17=-733/0, 7-17=0/591, 7-15=-1634/0

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 14=517, 13=129.
3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-24=-7, 1-11=-67



3/25/2024

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-735
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-24=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 7=-735
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-24=-7, 1-8=-67, 8-11=-13
Concentrated Loads (lb)
Vert: 7=-735
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-24=-7, 1-8=-13, 8-11=-67
Concentrated Loads (lb)
Vert: 7=-735
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-24=-7, 1-8=-67, 8-11=-13
Concentrated Loads (lb)
Vert: 7=-735
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-24=-7, 1-8=-13, 8-11=-67
Concentrated Loads (lb)
Vert: 7=-735

3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-32	Floor	5	1	# 46957
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:03 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-Rsiws2u_iTvtFED3hHKVLfJJce6TpZPAKRscoXzX2Tg

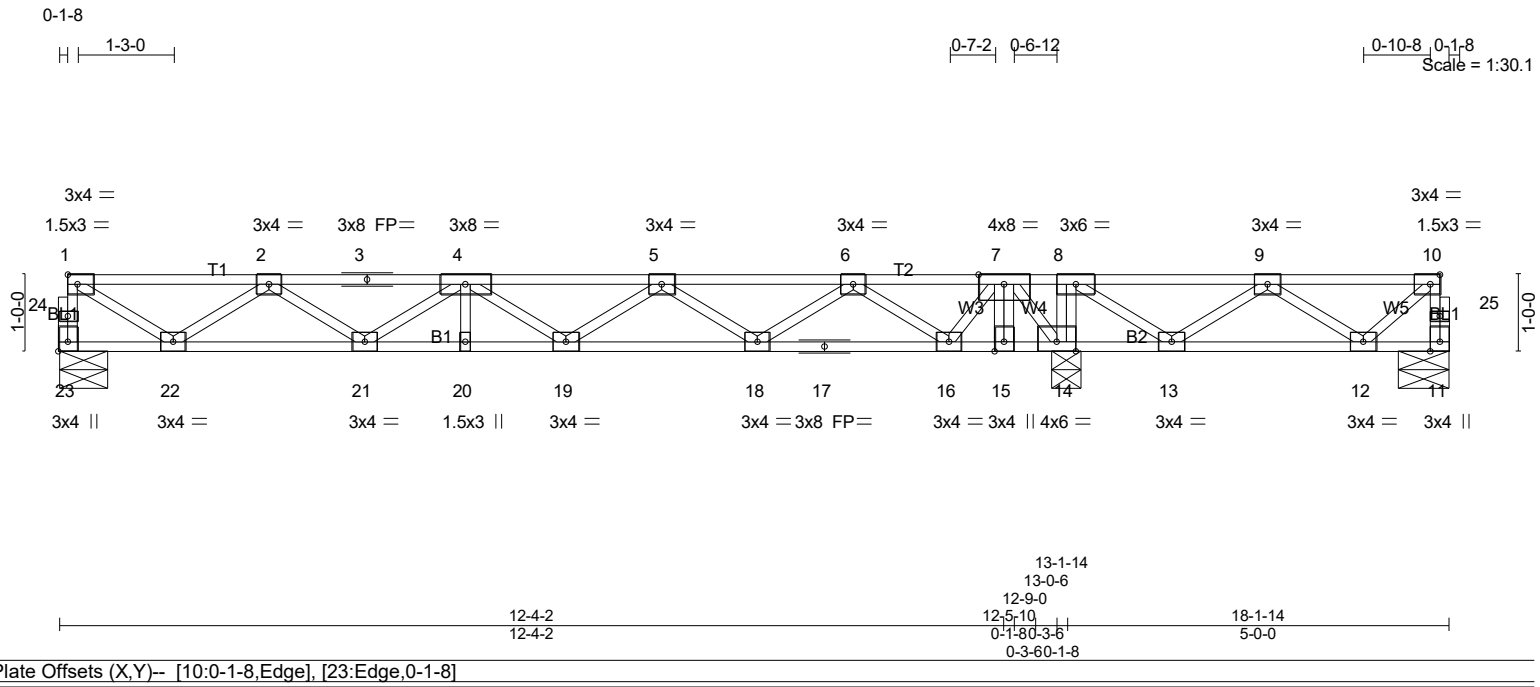


Plate Offsets (X,Y)-- [10:0-1-8,Edge], [23:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	-0.05	20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.08	19	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.01	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 94 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

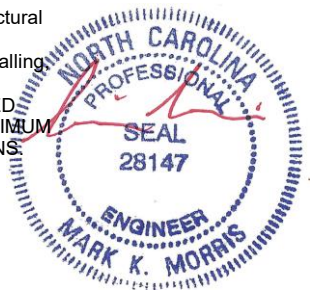
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 23=407/0-7-14 (min. 0-1-8), 11=-125/0-8-0 (min. 0-1-8), 14=1757/0-4-8 (min. 0-1-8)
Max Uplift11=-244(LC 3)
Max Grav23=410(LC 3), 11=30(LC 4), 14=1757(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-407/0, 1-24=-406/0, 1-2=-535/0, 2-3=-1185/0, 3-4=-1185/0, 4-5=-1281/0, 5-6=-846/0, 7-8=0/1598, 8-9=0/1106, 9-10=0/289
BOT CHORD 21-22=0/997, 20-21=0/1358, 19-20=0/1358, 18-19=0/1186, 17-18=0/484, 16-17=0/484, 15-16=-512/0, 14-15=-512/0, 13-14=-1598/0, 12-13=-675/0
WEBS 8-14=-530/0, 8-13=0/694, 9-13=-651/0, 9-12=0/471, 10-12=-372/0, 1-22=0/608, 2-22=-564/0, 5-18=-420/0, 6-18=0/446, 6-16=-725/0, 7-16=0/581, 7-14=-1638/0

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=244.
3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-23=-7, 1-10=-67
Concentrated Loads (lb)
Vert: 7=-735



3/25/2024

Continued on page 2

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 11-23=-7, 1-10=-67
   Concentrated Loads (lb)
      Vert: 7=-735
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 11-23=-7, 1-8=-67, 8-10=-13
   Concentrated Loads (lb)
      Vert: 7=-735
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 11-23=-7, 1-8=-13, 8-10=-67
   Concentrated Loads (lb)
      Vert: 7=-735
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 11-23=-7, 1-8=-67, 8-10=-13
   Concentrated Loads (lb)
      Vert: 7=-735
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 11-23=-7, 1-8=-13, 8-10=-67
   Concentrated Loads (lb)
      Vert: 7=-735

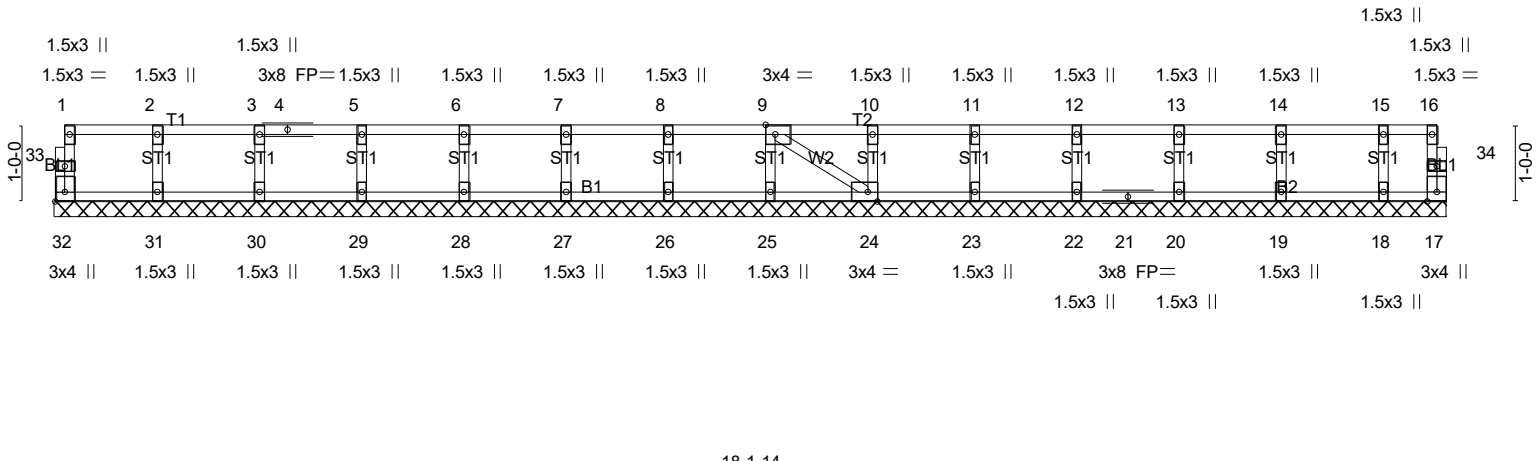
3/25/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0022 HONEYCUTT HILLS | 345 ADAMS POINTE COURT ANGIER, NC
24-2343-F01	F1-33	Floor Supported Gable	1	1	Job Reference (optional) **# 46957**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 26 14:36:04 2024 Page 1
ID:5fxLxLn?C6dWjia?SHK4thzkcYI-v2GI3OvcTm1ktNoFF_rkttsb82W3Y5?JY5b9LzzX2Tf

0-1-8 0-1-8

Scale = 1:30.1



18-1-14
18-1-14

Plate Offsets (X,Y)-- [9:0-1-8,Edge], [24:0-1-8,Edge], [32:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	17	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 74 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 18-1-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 20, 19, 18

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

NOTES- (5-8)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

3/25/2024