

Mark Morris, P.E.

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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 #: 54646

JOB: 24-9832-F01

JOB NAME: LOT 0.0035 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 2018 as well as IRC 2021.

19 Truss Design(s)

Trusses:

F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-07, F1-08, F1-10, F1-11, F1-12, F1-12A, F1-14, F1-15, F1-16, F1-17, F1-18, F1-19, F1-20



11/27/2024

Mark Morris

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

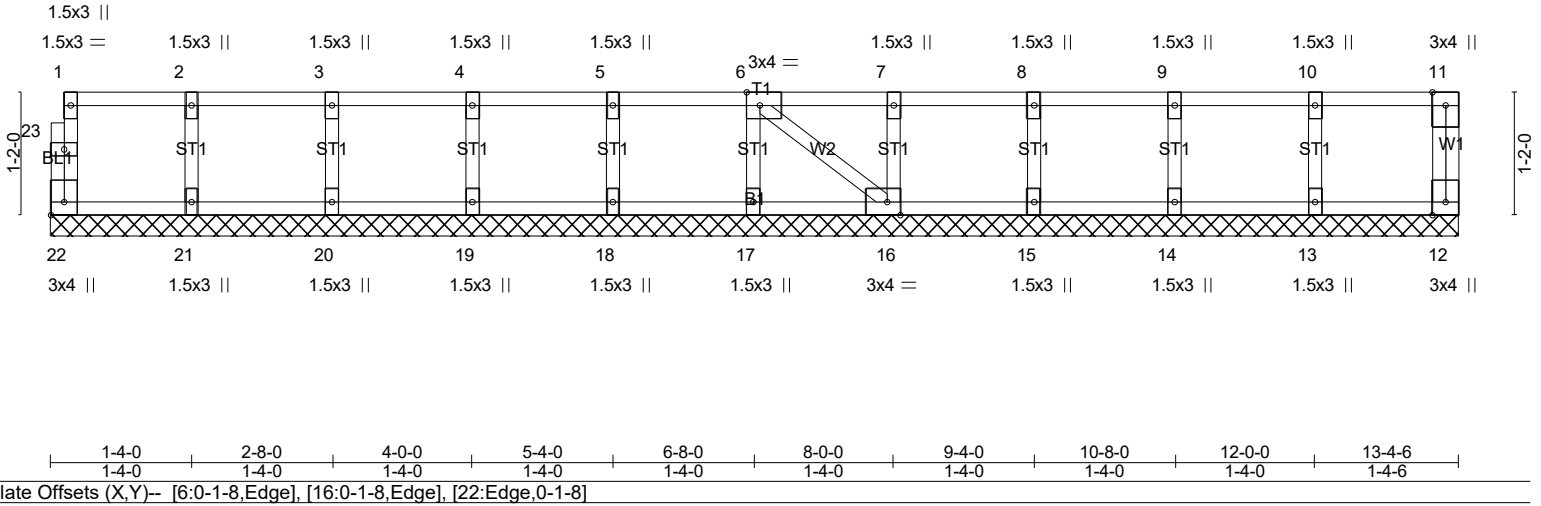
This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is 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 ANSL/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 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC
24-9832-F01	F1-01	GABLE	1	1	
					# 54646

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0₁-8

Scale = 1:21.9



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-4-0	TC 0.04	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	1-4-0	BC 0.00	Vert(CT)	n/a	-	n/a		
BCLL 0.0	1-4-0	WB 0.02	Horz(CT)	0.00	12	n/a		
BCDL 5.0	1-4-0	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 13-4-6.
 (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)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job 24-9832-F01	Truss F1-02	Truss Type FLOOR	Qty 9	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	Job Reference (optional) # 54646
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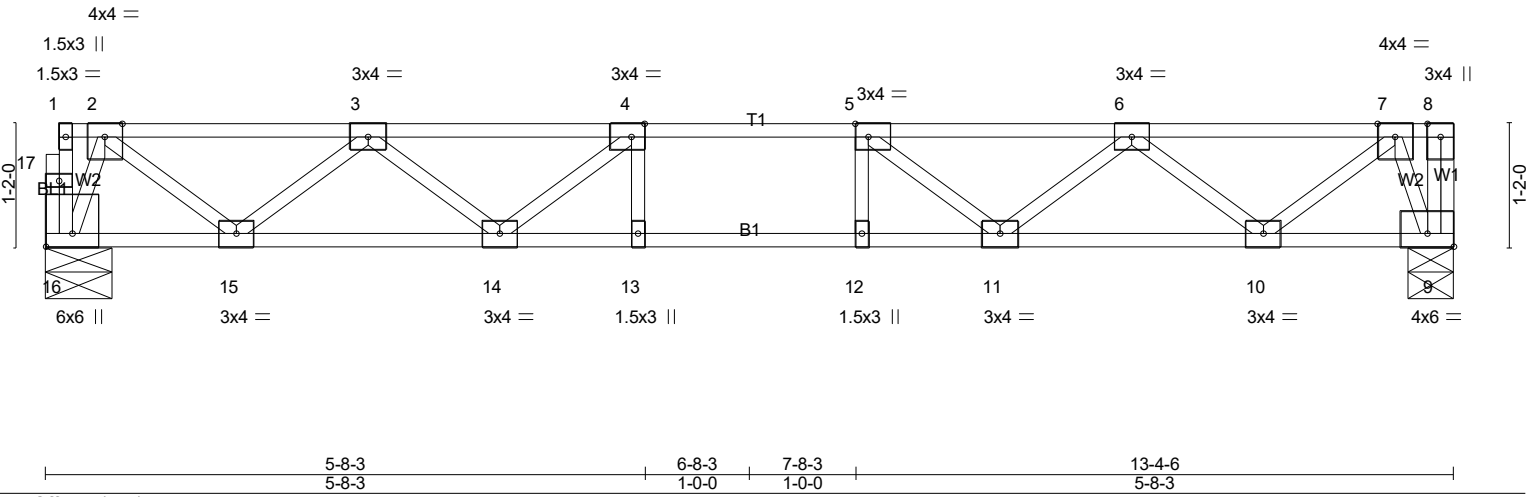
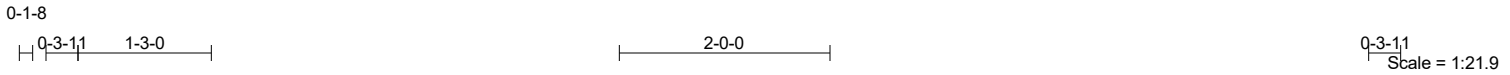


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [9:Edge,0-1-8], [16:Edge,0-3-0]					
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.21	Vert(LL) -0.07 11-12 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.41	Vert(CT) -0.09 11-12 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.02 9 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 69 lb FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 16=477/0-7-8 (min. 0-1-8), 9=481/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-658/0, 3-4=-1291/0, 4-5=-1496/0, 5-6=-1291/0, 6-7=-658/0
BOT CHORD 14-15=0/1080, 13-14=0/1496, 12-13=0/1496, 11-12=0/1496, 10-11=0/1080
WEBS 4-14=-349/0, 3-14=0/291, 3-15=-550/0, 2-15=0/574, 2-16=-576/0, 5-11=-349/0, 6-11=0/291, 6-10=-550/0, 7-10=0/574, 7-9=-567/0

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



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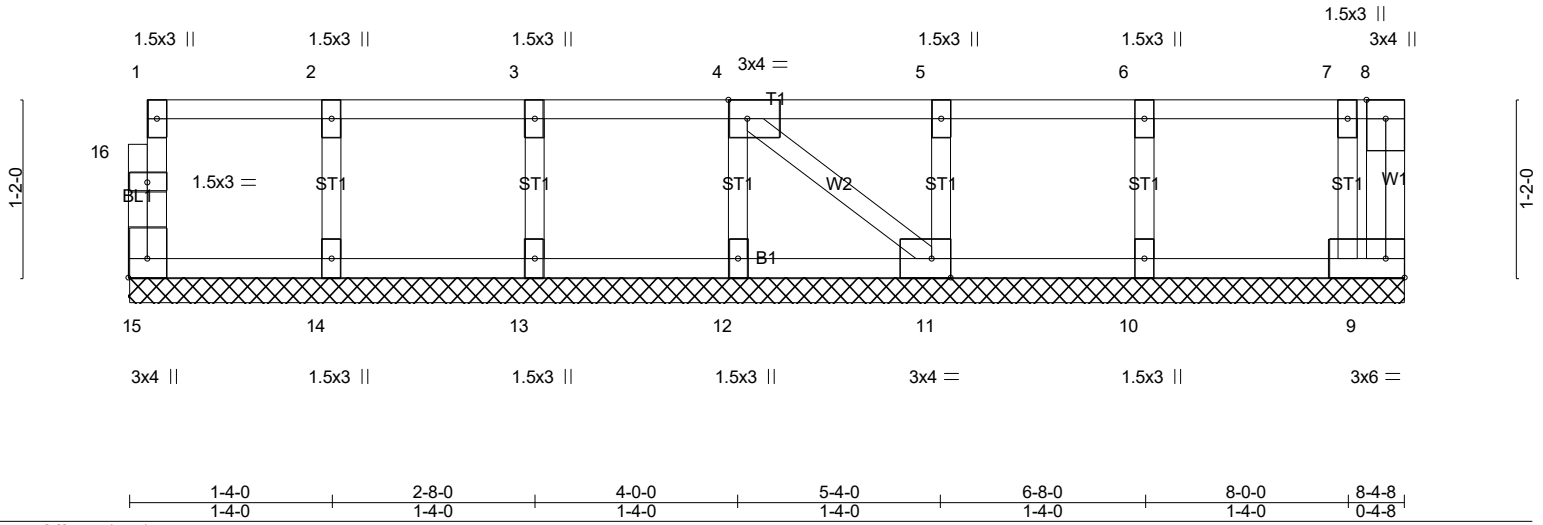
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC
24-9832-F01	F1-03	GABLE	1	1	
Job Reference (optional)					# 54646

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0-1-8

Scale = 1:15.1



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-4-0	TC 0.04	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	1-4-0	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	2-8-0	WB 0.02	Horz(CT)	0.00	9	n/a		
BCDL 5.0	1-4-0	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)
 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 8-4-8.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 15, 9, 14, 13, 12, 11, 10

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

- NOTES-** (6)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job 24-9832-F01	Truss F1-04	Truss Type FLOOR	Qty 5	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	Job Reference (optional) # 54646
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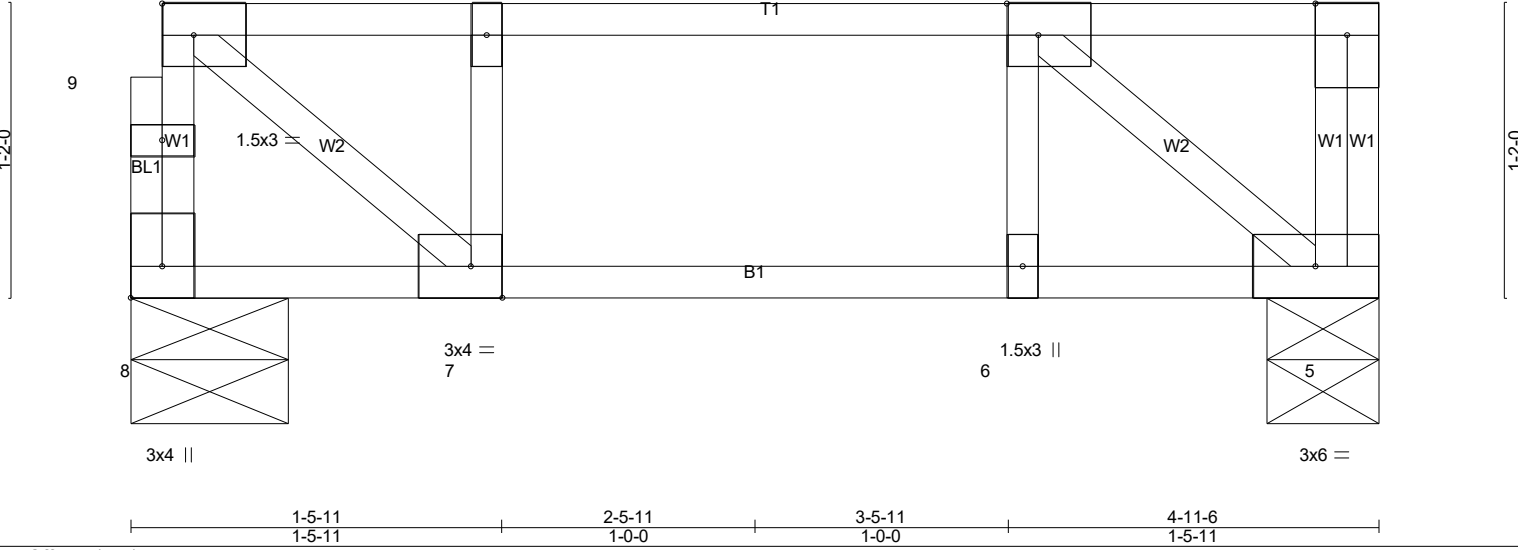


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [7:0-1-8,Edge], [8:Edge,0-1-8]					
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.10	Vert(LL) -0.00 6 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.06	Vert(CT) -0.01 6 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.10	Horz(CT) 0.00 5 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 27 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 4-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=168/0-7-8 (min. 0-1-8), 5=172/0-5-4 (min. 0-1-8)

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

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



11/27/2024

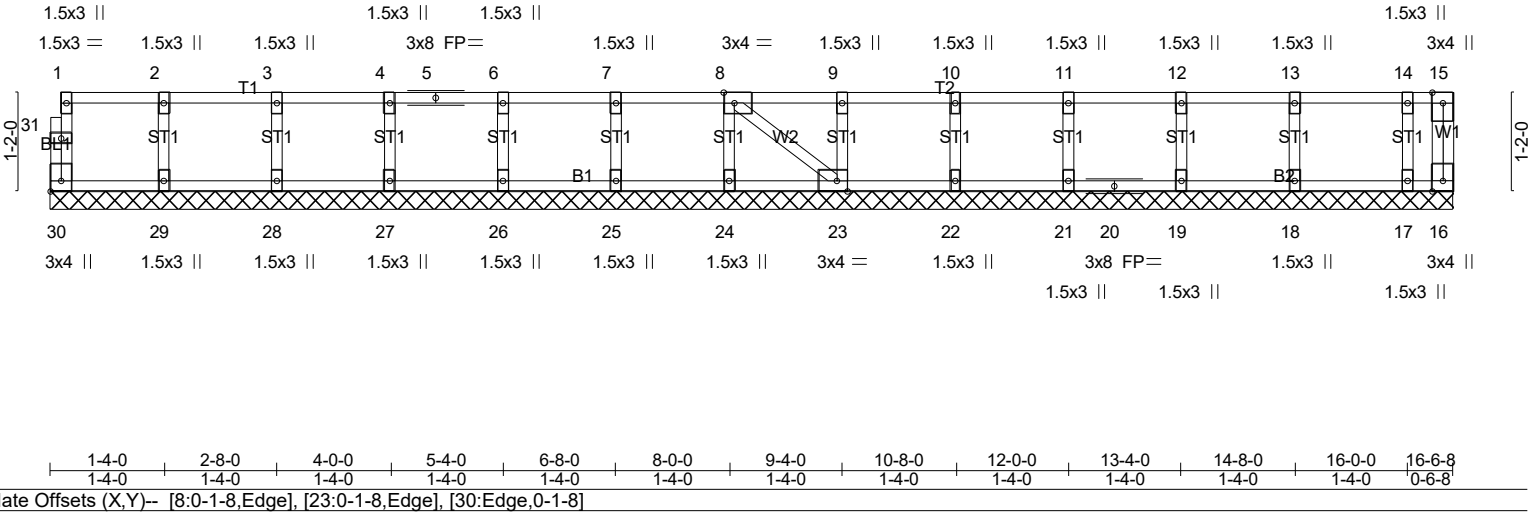
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC
24-9832-F01	F1-05	GABLE	1	1	
					# 54646

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0₁-8

Scale = 1:27.2



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 0.04	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.00	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	16	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)
 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 16-6-8.
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) 16
 Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 19, 18, 17

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

- NOTES-** (7)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.
 - 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.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job 24-9832-F01	Truss F1-06	Truss Type FLOOR SUPPORTED GABL	Qty 1	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 54646
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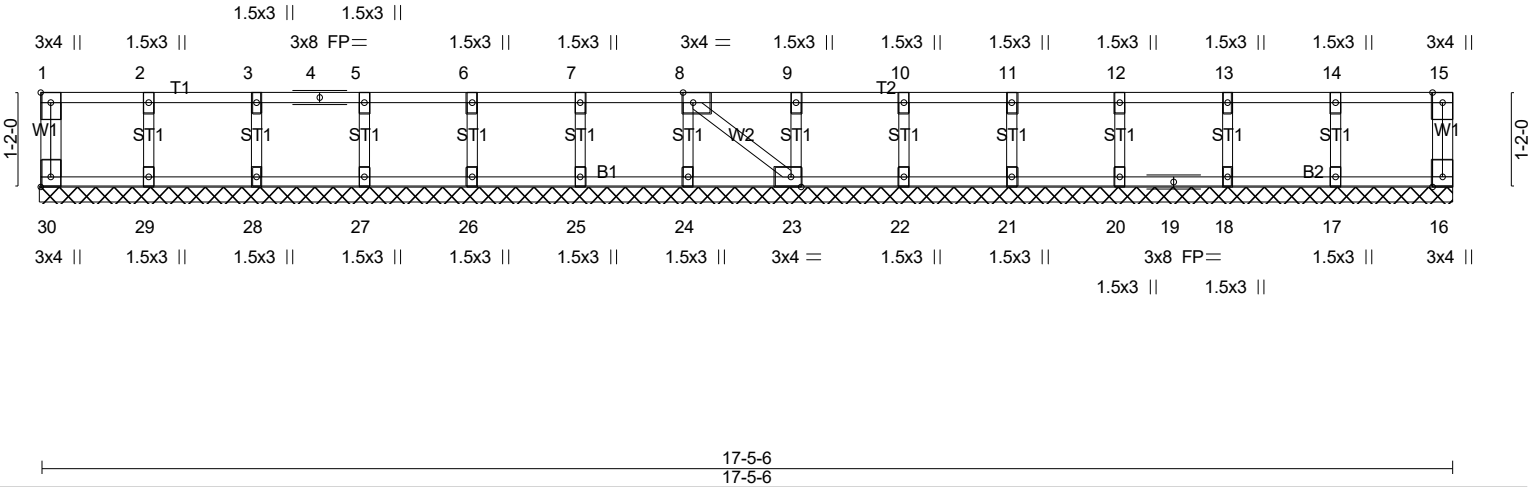


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [23:0-1-8,Edge], [30:Edge,0-1-8]

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 0.05	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.00	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	22	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH					Weight: 76 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 17-5-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 18, 17

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

- NOTES-** (5)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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

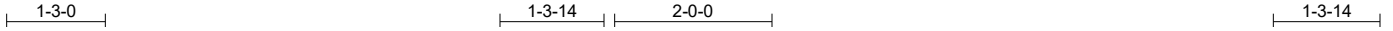


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Job 24-9832-F01	Truss F1-07	Truss Type Floor	Qty 14	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	# 54646
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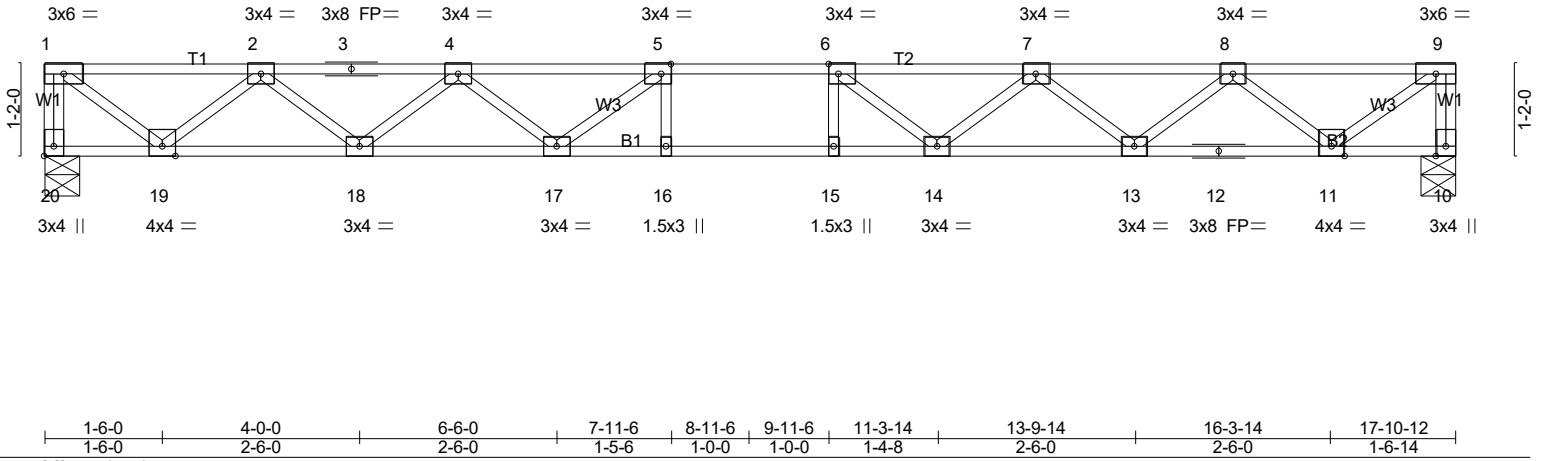


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [20:Edge,0-1-8]					
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.32	Vert(LL) -0.19 15-16 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.66	Vert(CT) -0.26 15-16 >806 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.46	Horz(CT) 0.05 10 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 89 lb FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 20=647/0-5-4 (min. 0-1-8), 10=647/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-20=-642/0, 9-10=-642/0, 1-2=-753/0, 2-3=-1861/0, 3-4=-1861/0, 4-5=-2496/0, 5-6=-2718/0, 6-7=-2510/0, 7-8=-1887/0, 8-9=-790/0
 BOT CHORD 18-19=0/1422, 17-18=0/2280, 16-17=0/2718, 15-16=0/2718, 14-15=0/2718, 13-14=0/2296, 12-13=0/1456, 11-12=0/1456
 WEBS 1-19=0/945, 2-19=-871/0, 2-18=0/572, 4-18=-544/0, 4-17=0/345, 5-17=-444/0, 6-14=-436/3, 7-14=0/345, 7-13=-533/0, 8-13=0/561, 8-11=-867/0, 9-11=0/973

NOTES- (3)
 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.

LOAD CASE(S) Standard



11/27/2024

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Job 24-9832-F01	Truss F1-08	Truss Type Floor	Qty 1	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	Job Reference (optional) # 54646
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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Nov 27 20:45:31 2024 Page 1
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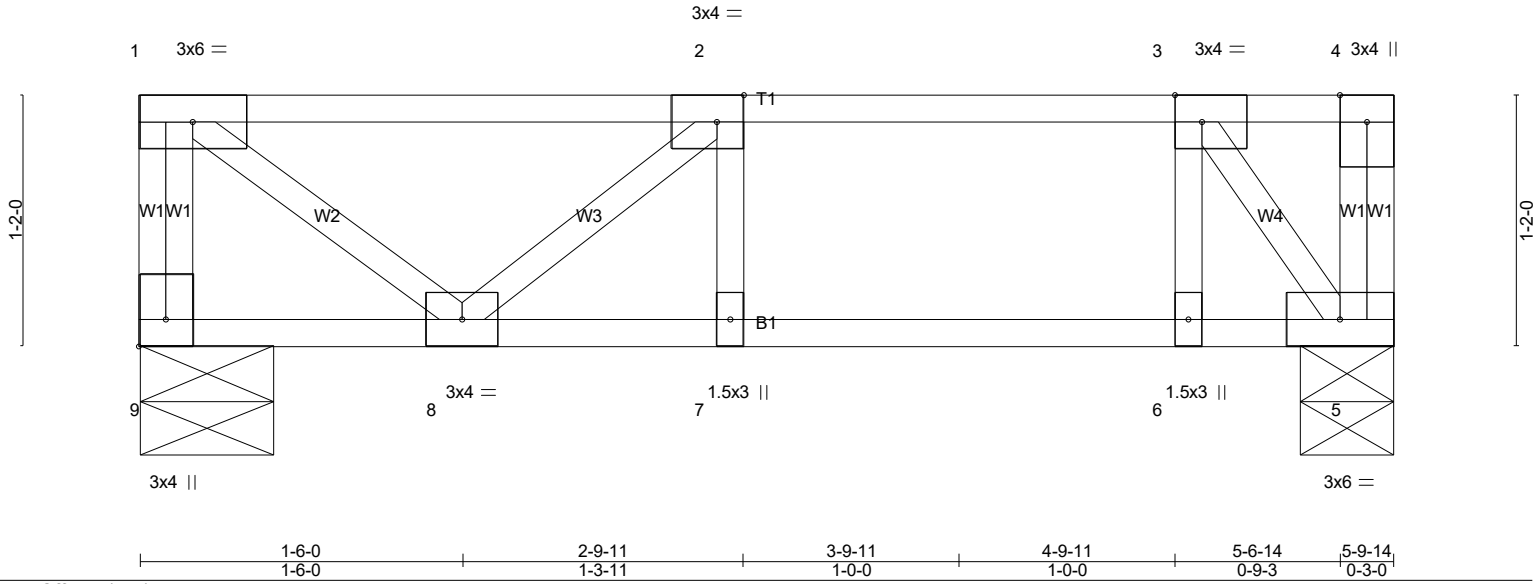


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:Edge,0-1-8]

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 0.25	Vert(LL)	-0.03	7	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.30	Vert(CT)	-0.04	7	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						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)

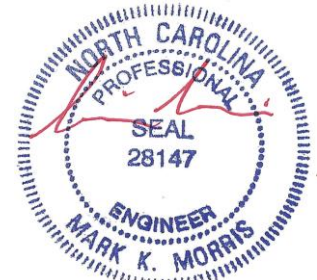
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=204/0-7-8 (min. 0-1-8), 5=204/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-5=-387/0

NOTES- (3)
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.

LOAD CASE(S) Standard



11/27/2024

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Job 24-9832-F01	Truss F1-10	Truss Type GABLE	Qty 1	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	Job Reference (optional) # 54646
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0-1-8

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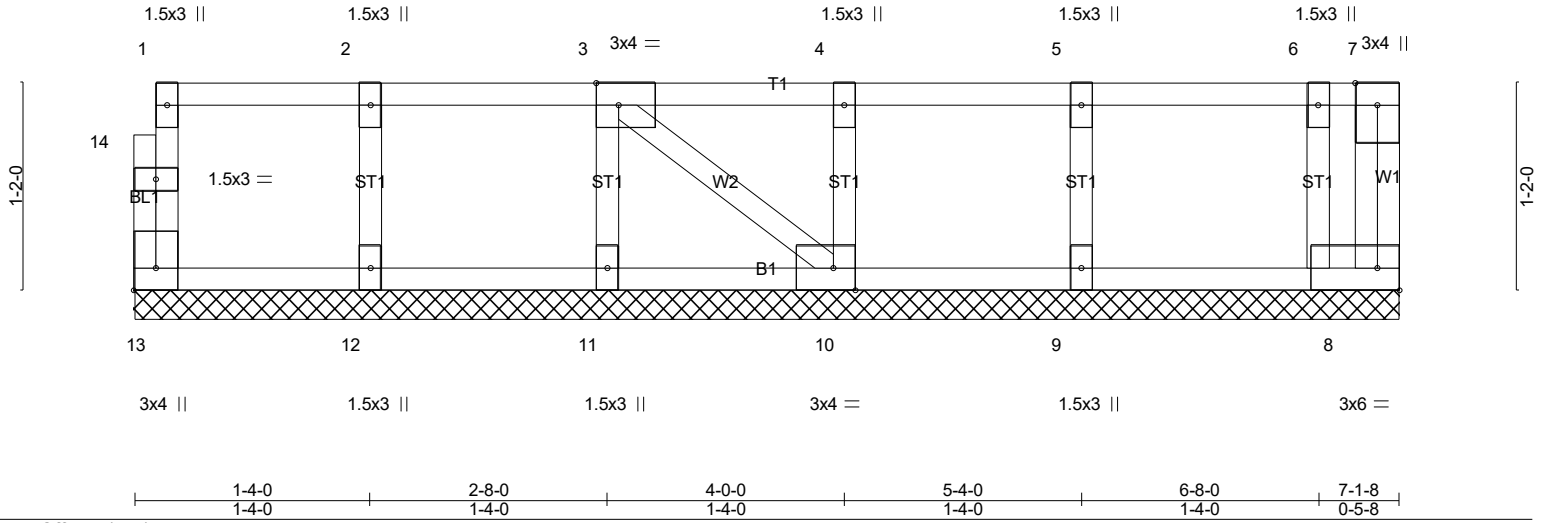


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [10:0-1-8,Edge], [13:Edge,0-1-8]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.05	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	8	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P						Weight: 35 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 7-1-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 13, 8, 12, 11, 10, 9

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

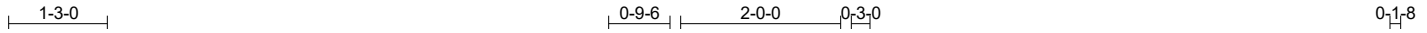


11/27/2024

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Job 24-9832-F01	Truss F1-12	Truss Type Floor	Qty 13	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	# 54646
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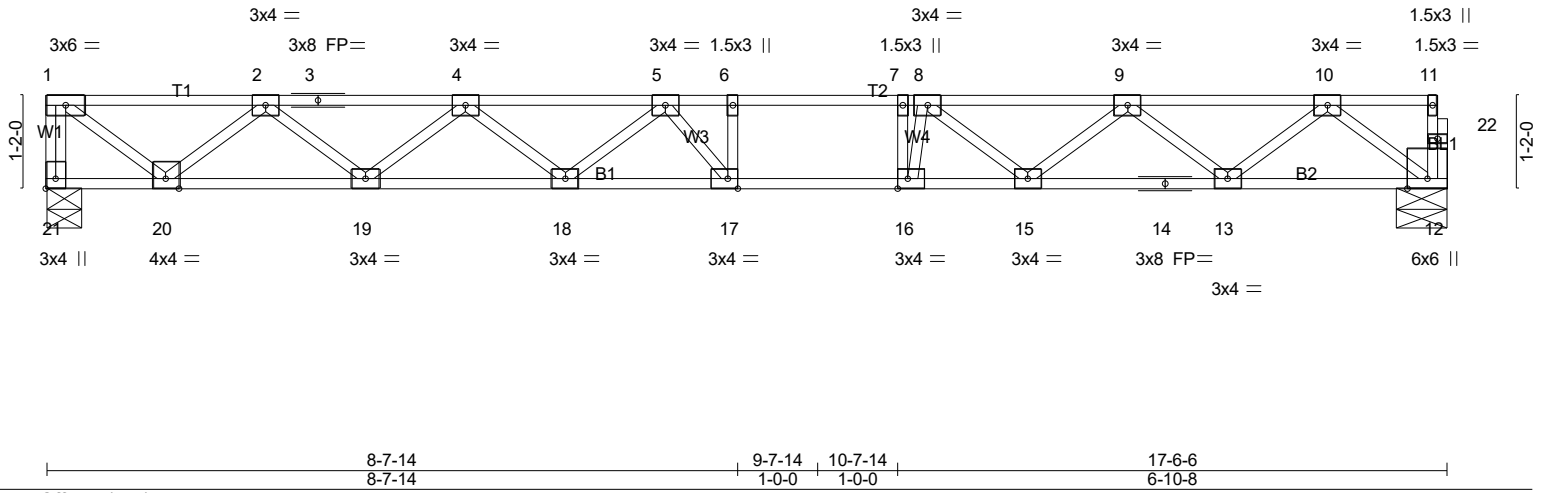


Plate Offsets (X,Y)-- [16:0-1-8,Edge], [17:0-1-8,Edge], [21:Edge,0-1-8]					
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.55	Vert(LL) -0.20 17-18 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.62	Vert(CT) -0.27 17-18 >768 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.44	Horz(CT) 0.04 12 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 88 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) 21=634/0-5-4 (min. 0-1-8), 12=629/0-7-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-629/0, 1-2=-737/0, 2-3=-1809/0, 3-4=-1809/0, 4-5=-2424/0, 5-6=-2571/0, 6-7=-2571/0, 7-8=-2556/0, 8-9=-2161/0, 9-10=-1334/0
BOT CHORD 19-20=0/1389, 18-19=0/2213, 17-18=0/2596, 16-17=0/2571, 15-16=0/2485, 14-15=0/1853, 13-14=0/1853, 12-13=0/788
WEBS 7-16=-523/75, 1-20=0/924, 2-20=-849/0, 2-19=0/547, 4-19=-526/0, 4-18=0/274, 5-18=-257/0, 5-17=-223/261, 10-12=-986/0, 10-13=0/710, 9-13=-676/0, 9-15=0/401, 8-15=-439/0, 8-16=-99/643

- NOTES-** (4-7)
- Unbalanced floor live loads have been considered for this design.
 - 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.
 - CAUTION. Do not erect truss backwards.
 - 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.
 - 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.
 - 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.
 - SEE BCSI-B3 SUMMARY SHEET - PERMANENT RESTRAINING/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

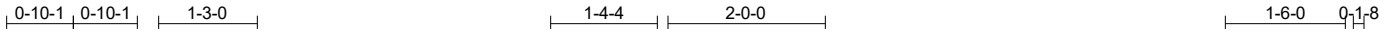


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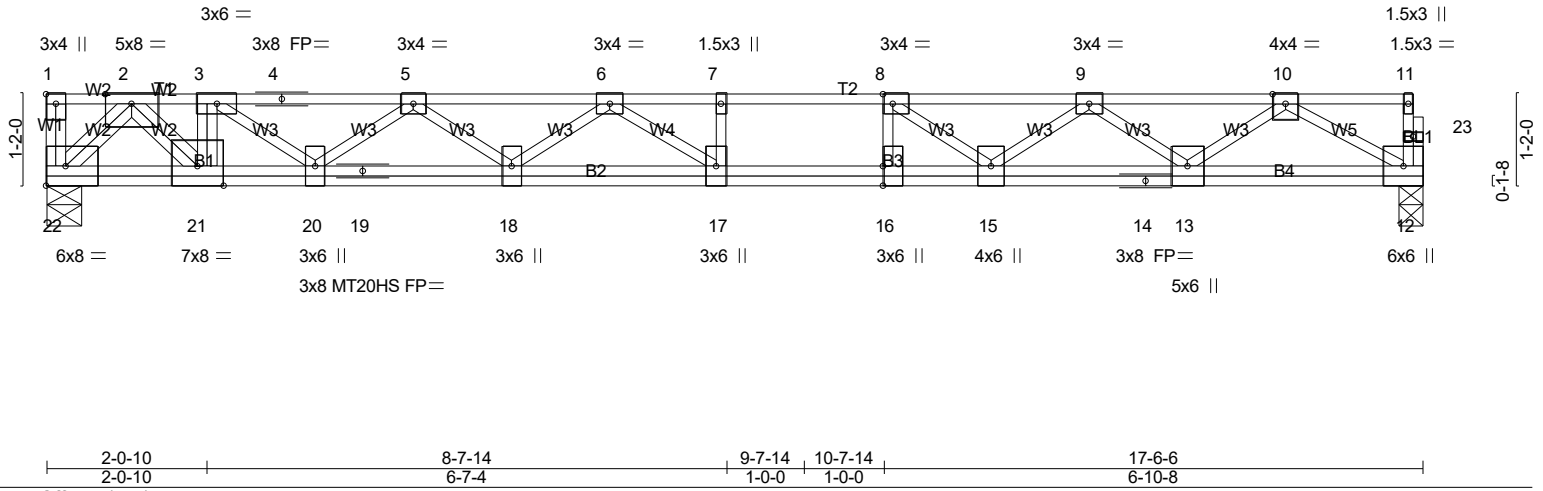
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Job 24-9832-F01	Truss F1-12A	Truss Type Floor	Qty 2	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 54646
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Scale = 1:29.3



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 0.98	Vert(LL)	-0.15	17	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.98	Vert(CT)	-0.43	17-18	>478	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	NO	WB 0.73	Horz(CT)	0.04	12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 116 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 22=2408/0-5-4 (min. 0-1-8), 12=855/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4355/0, 3-4=-4790/0, 4-5=-4790/0, 5-6=-5079/0, 6-7=-4453/0, 7-8=-4453/0, 8-9=-3491/0, 9-10=-2122/0
BOT CHORD 21-22=0/2309, 20-21=0/4567, 19-20=0/5048, 18-19=0/5048, 17-18=0/4911, 16-17=0/4453, 15-16=0/4453, 14-15=0/2900,
13-14=0/2900, 12-13=0/1369
WEBS 3-21=-2296/0, 8-16=0/611, 8-15=-1329/0, 9-15=0/763, 9-13=-987/0, 10-13=0/959, 10-12=-1558/0, 2-22=-3292/0,
2-21=0/3075, 3-20=0/273, 5-20=-329/0, 6-18=0/368, 6-17=-740/0

- NOTES-** (6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 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.

- LOAD CASE(S)** Standard
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-22=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 3=-2000
 - 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-22=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 3=-2000
 - 3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-22=-7, 1-8=-67, 8-11=-13
Concentrated Loads (lb)
Vert: 3=-2000
 - 4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00



11/27/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC
24-9832-F01	F1-12A	Floor	2	1	Job Reference (optional) # 54646

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Nov 27 20:45:35 2024 Page 2
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LOAD CASE(S) Standard

- Uniform Loads (plf)
 - Vert: 12-22=-7, 1-7=-13, 7-11=-67
- Concentrated Loads (lb)
 - Vert: 3=-2000
- 5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 12-22=-7, 1-8=-67, 8-11=-13
 - Concentrated Loads (lb)
 - Vert: 3=-2000
- 6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 12-22=-7, 1-7=-13, 7-11=-67
 - Concentrated Loads (lb)
 - Vert: 3=-2000



11/27/2024

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Job 24-9832-F01	Truss F1-14	Truss Type FLOOR	Qty 6	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	# 54646
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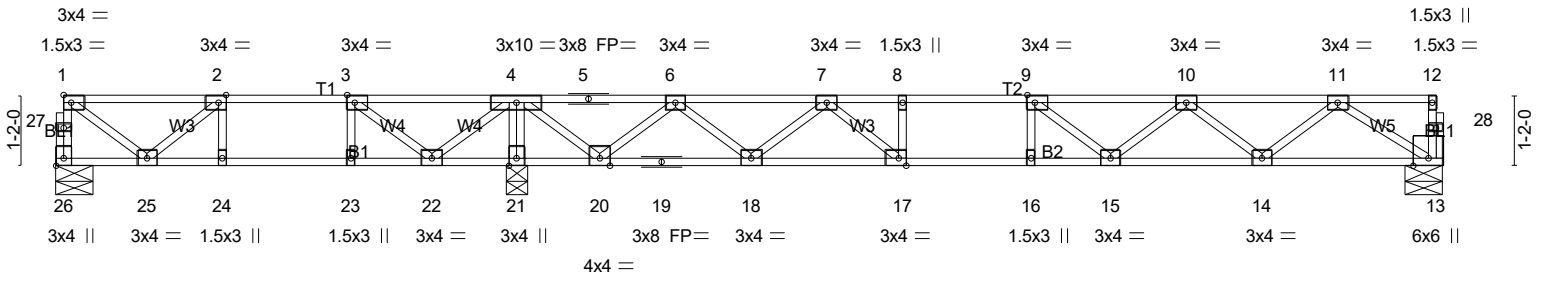


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:0-1-8,Edge], [17:0-1-8,Edge], [26:Edge,0-1-8]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.42	Vert(LL)	-0.13	15-16	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.67	Vert(CT)	-0.18	16	>989		
BCLL 0.0	Rep Stress Incr	YES	WB 0.48	Horz(CT)	0.03	13	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 113 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 26=221/0-7-8 (min. 0-1-8), 21=1151/0-4-8 (min. 0-1-8), 13=612/0-7-8 (min. 0-1-8)
Max Uplift 26=-5(LC 4)
Max Grav 26=286(LC 3), 21=1151(LC 1), 13=624(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-285/0, 1-27=-284/0, 1-2=-262/38, 2-3=-449/175, 3-4=-101/449, 4-5=-252/25, 5-6=-252/25, 6-7=-1391/0, 7-8=-2113/0, 8-9=-2113/0, 9-10=-1991/0, 10-11=-1363/0
BOT CHORD 24-25=-175/449, 23-24=-175/449, 22-23=-175/449, 21-22=-814/0, 20-21=-815/0, 19-20=0/963, 18-19=0/963, 17-18=0/1816, 16-17=0/2113, 15-16=0/2113, 14-15=0/1814, 13-14=0/888
WEBS 4-21=-1110/0, 1-25=-49/312, 4-20=0/1009, 6-20=-933/0, 6-18=0/593, 7-18=-598/0, 7-17=0/554, 9-15=-287/51, 10-15=0/272, 10-14=-587/0, 11-14=0/619, 11-13=-1052/0, 3-22=-623/0, 4-22=0/511

- 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 5 lb uplift at joint 26.
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

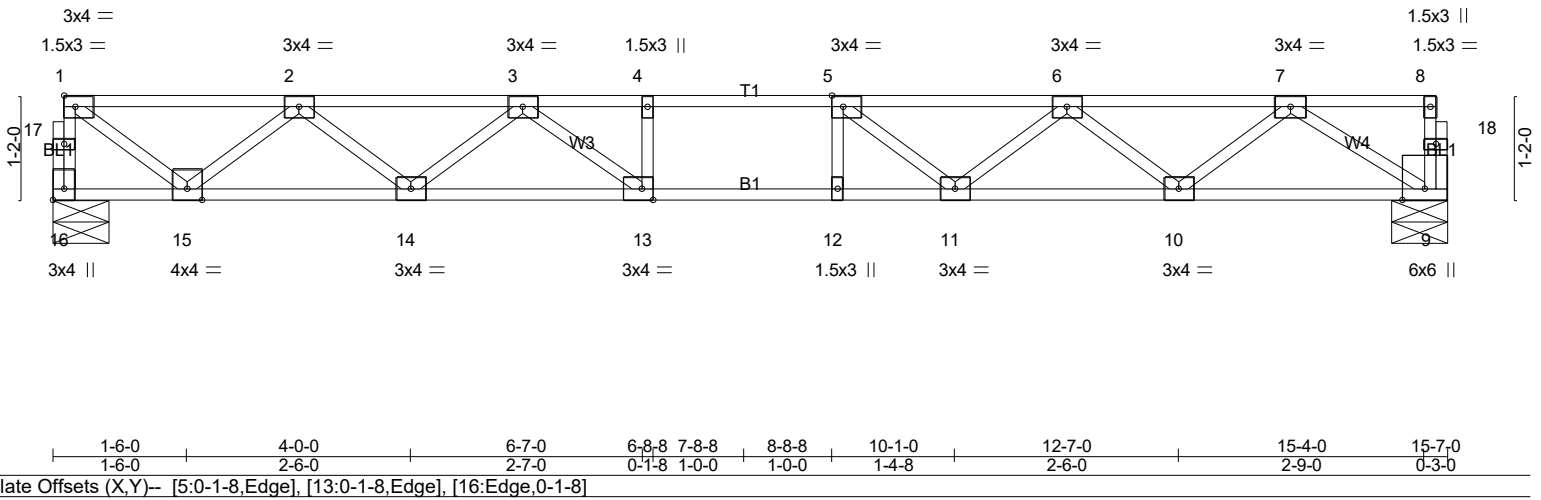
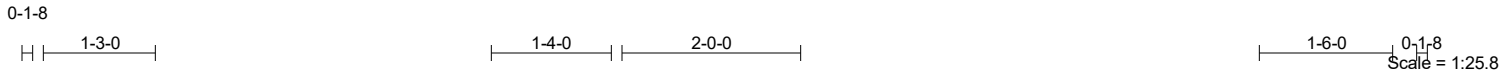


11/27/2024

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Job 24-9832-F01	Truss F1-15	Truss Type FLOOR	Qty 7	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	# 54646
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.35	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.63	Vert(LL) -0.14 12 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.45	Vert(CT) -0.19 12 >973 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.04 9 n/a n/a		
	Code IRC2021/TPI2014			Weight: 77 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) 16=669/0-7-8 (min. 0-1-8), 9=669/0-7-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-665/0, 1-17=-664/0, 1-2=-774/0, 2-3=-1846/0, 3-4=-2450/0, 4-5=-2450/0, 5-6=-2227/0, 6-7=-1488/0
BOT CHORD 14-15=0/1453, 13-14=0/2220, 12-13=0/2450, 11-12=0/2450, 10-11=0/1986, 9-10=0/961
WEBS 1-15=0/938, 2-15=-883/0, 2-14=0/512, 3-14=-487/0, 3-13=0/493, 5-11=-445/0, 6-11=0/374, 6-10=-649/0, 7-10=0/685, 7-9=-1138/0

- NOTES-** (3-6)
- Unbalanced floor live loads have been considered for this design.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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

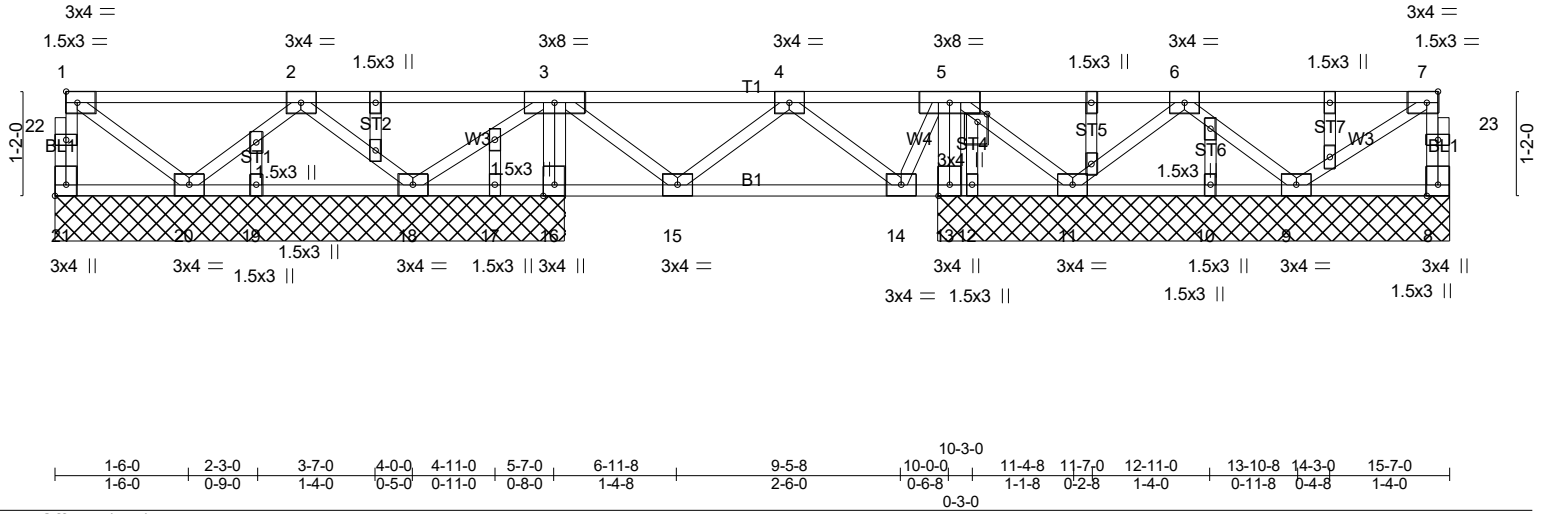


11/27/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC
24-9832-F01	F1-16	GABLE	1	1	
					# 54646

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LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	-0.00	15	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	-0.00	14-15	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	8	n/a	n/a			
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH									Weight: 90 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 5-8-8.
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) 12
 Max Grav All reactions 250 lb or less at joint(s) 21, 8, 20, 18, 11, 9, 10, 12, 17, 19 except 16=305(LC 1), 13=305(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-16=-294/0, 5-13=-281/0

- NOTES-** (6-9)
- 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) 12.
 - 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 RESTRAINING/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



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC
24-9832-F01	F1-17	Floor Supported Gable	2	1	
					# 54646

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0-1-8

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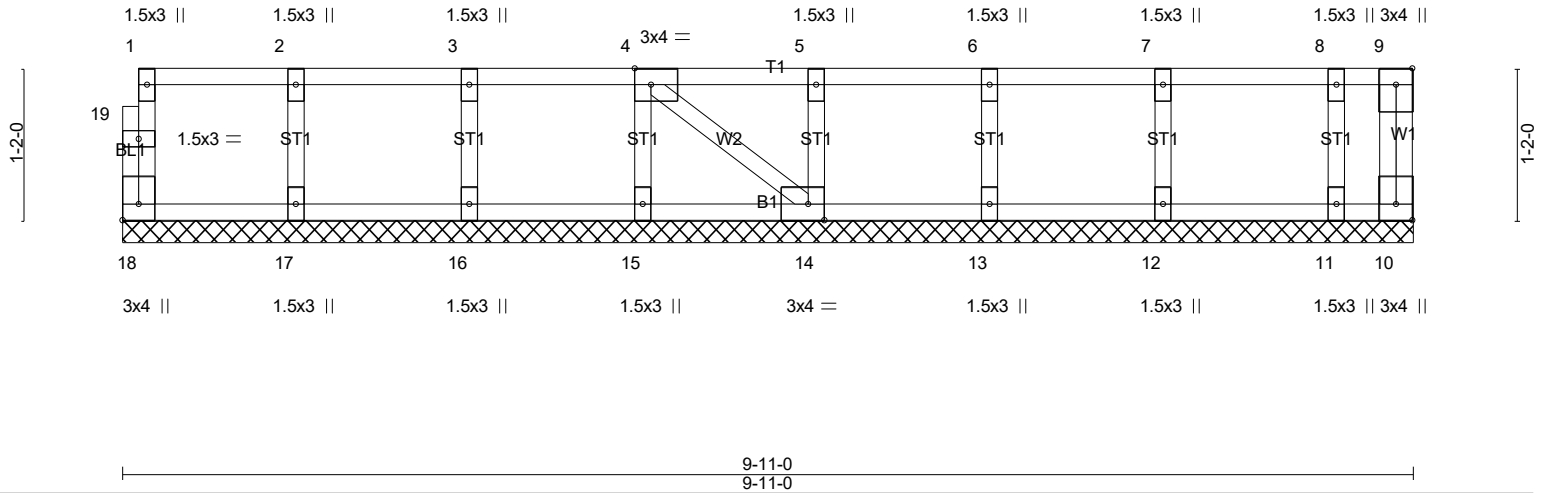


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [10:Edge,0-1-8], [14:0-1-8,Edge], [18:Edge,0-1-8]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.05	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	10	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 46 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 9-11-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 17, 16, 15, 14, 13, 12, 11

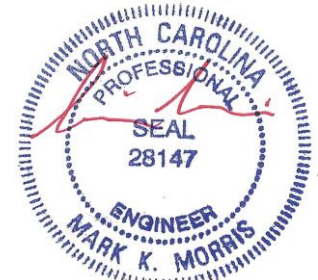
FORCES.

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

NOTES- (6-9)

- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- 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.
- CAUTION, Do not erect truss backwards.
- 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.
- 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.
- 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.
- SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/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

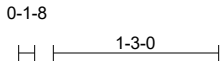


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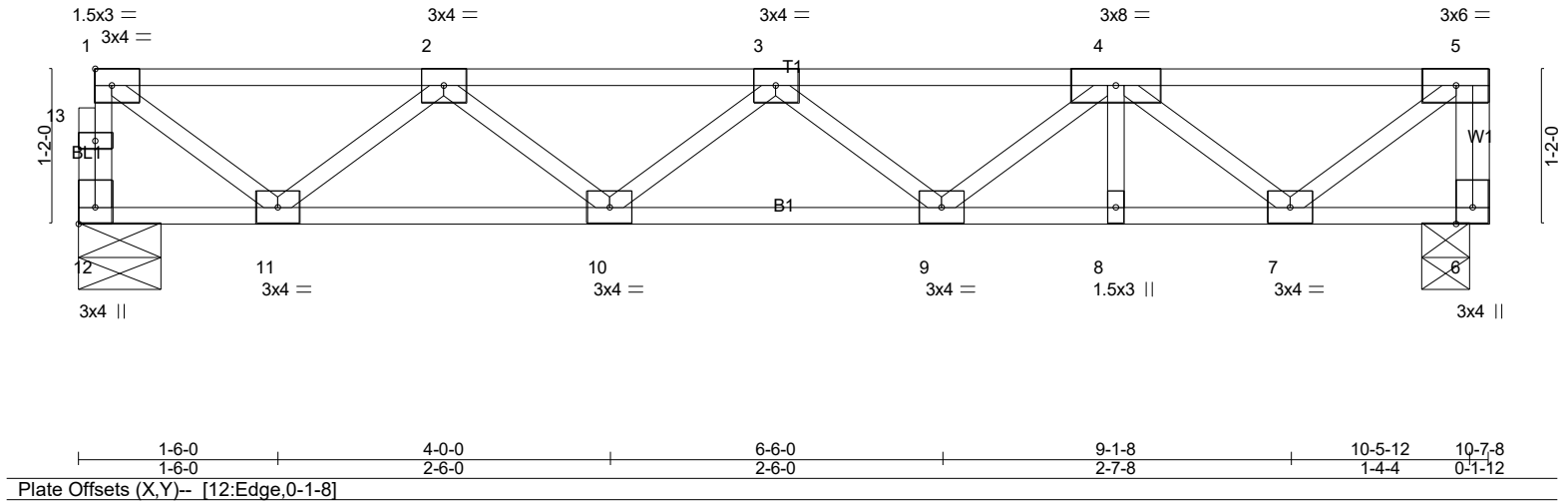
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Job 24-9832-F01	Truss F1-18	Truss Type Floor	Qty 7	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC	# 54646
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LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	-0.03	9-10	>999	L/d	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.04	9-10	>999	L/d	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.01	6	n/a	n/a			
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH								Weight: 56 lb	FT = 20%F, 11%E

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		

REACTIONS. (lb/size) 12=451/0-7-8 (min. 0-1-8), 6=456/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 12-13=-447/0, 1-13=-447/0, 5-6=-451/0, 1-2=-486/0, 2-3=-1045/0, 3-4=-1056/0, 4-5=-482/0
 BOT CHORD 10-11=0/904, 9-10=0/1161, 8-9=0/924, 7-8=0/924
 WEBS 1-11=0/586, 2-11=-544/0, 4-7=-565/0, 5-7=0/604

- NOTES-** (3-6)
- 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.
 - 3) 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.
 - 4) 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.
 - 5) 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.
 - 6) 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



11/27/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC
24-9832-F01	F1-19	Floor Supported Gable	1	1	
					# 54646

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0-1-8

0-1-8

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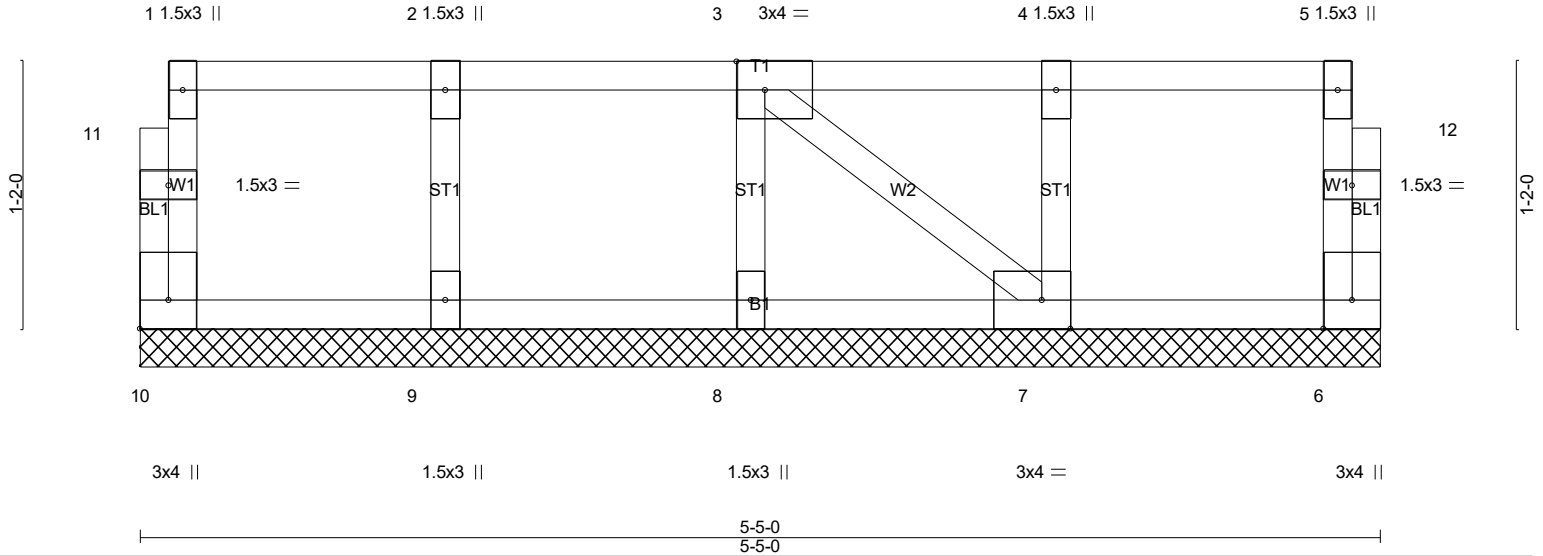


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [7:0-1-8,Edge], [10:Edge,0-1-8]

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	6	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P							
									Weight: 27 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 5-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-5-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

- NOTES-** (5-8)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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.
 - 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.
 - 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.
 - 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.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/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



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Job 24-9832-F01	Truss F1-20	Truss Type Floor	Qty 1	Ply 1	LOT 0.0035 HONEYCUTT HILLS 304 SHELBY MEADOW LANE ANGIER, NC
					# 54646

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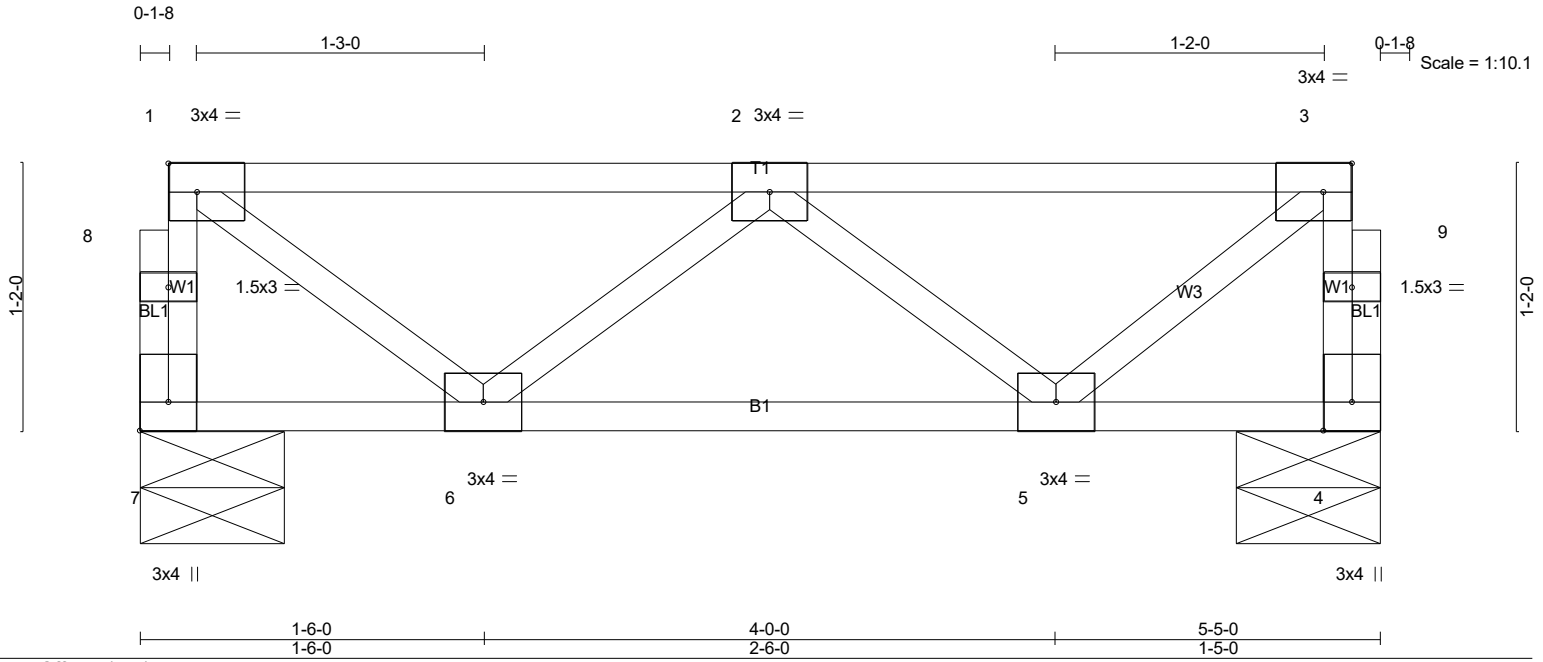


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [7:Edge,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.29	Vert(LL) -0.00 6 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.10	Vert(CT) -0.01 5-6 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.00 4 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-P			
				Weight: 30 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 5-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=278/0-7-8 (min. 0-1-8), 4=278/0-7-8 (min. 0-1-8)

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

TOP CHORD 7-8=-274/0, 1-8=-273/0, 4-9=-274/0, 3-9=-274/0
BOT CHORD 5-6=0/422
WEBS 1-6=0/282, 3-5=0/280

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



11/27/2024

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