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 #: 39972
JOB: 23-4639-F02
JOB NAME: LOT 0.0044 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.
25 Truss Design(s)

Trusses:
F200, F201, F202, F203, F204, F205, F206, F207, F208, F209, F210, F212, F213, F214, F216, F217, F218, F219, F220, F221, F222, F223, F224, F225, F227

7/13/2023
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*

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F200	Floor Supported Gable	1	1	Job Reference (optional) **# 39972**

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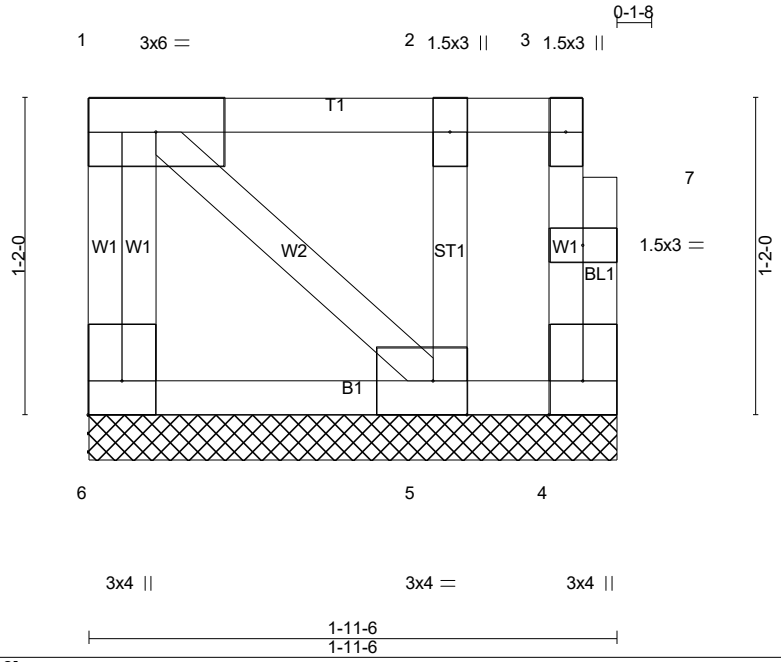

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:Edge,0-1-8]

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	0.05	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	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 14 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 1-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 6=54/1-11-6 (min. 0-1-8), 4=-9/1-11-6 (min. 0-1-8), 5=136/1-11-6 (min. 0-1-8)
Max Uplift4=-9(LC 1)

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

NOTES- (7)
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F201	GABLE	1	1	# 39972
					Job Reference (optional)

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0-1-8 0-1-8

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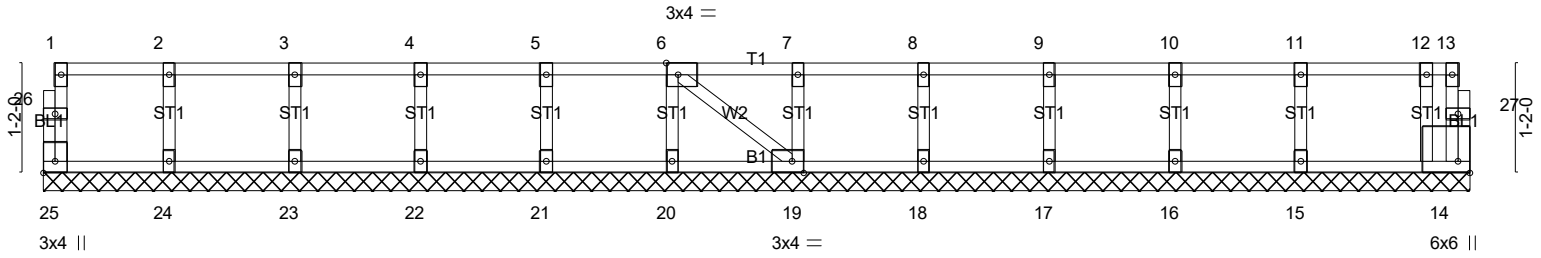

1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-0	14-8-0	15-1-8
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-5-8

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [14:Edge,0-1-8], [19:0-1-8,Edge], [25: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	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 67 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 15-1-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 25, 14, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES- (6)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F202	Floor	5	1	Job Reference (optional) **# 39972**

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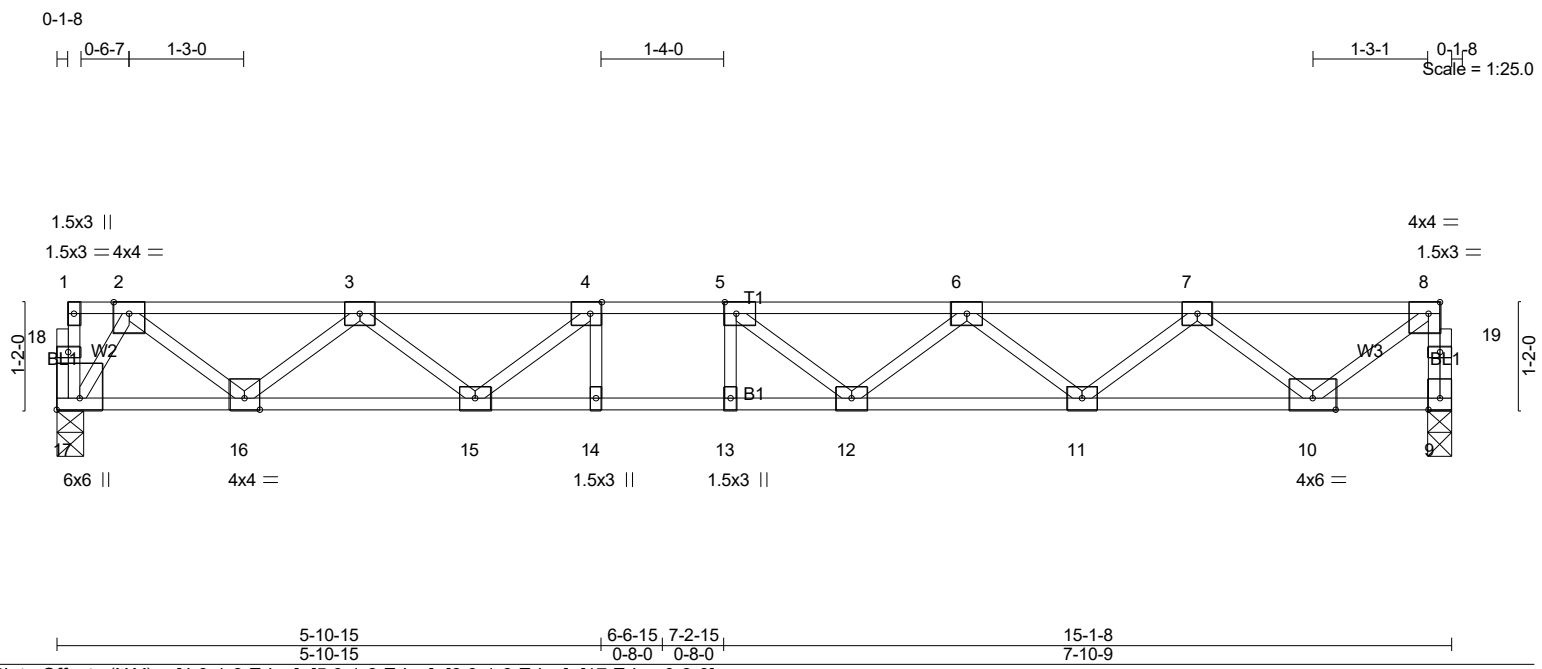

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [17:Edge,0-3-0]

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	0.47	Vert(LL)	-0.17	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.23	12-13	>769	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							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) 9=812/0-3-0 (min. 0-1-8), 17=812/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-19=-807/0, 8-19=-806/0, 2-3=-1279/0, 3-4=-2399/0, 4-5=-2863/0, 5-6=-2814/0, 6-7=-2229/0, 7-8=-935/0
BOT CHORD 16-17=0/533, 15-16=0/1989, 14-15=0/2863, 13-14=0/2863, 12-13=0/2863, 11-12=0/2686, 10-11=0/1749
WEBS 4-15=-678/0, 3-15=0/542, 3-16=-924/0, 2-16=0/971, 2-17=-998/0, 5-12=-319/169, 6-12=0/293, 6-11=-594/0, 7-11=0/625, 7-10=-1060/0, 8-10=0/1130

NOTES- (4)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F203	Floor	4	1	Job Reference (optional) **# 39972**

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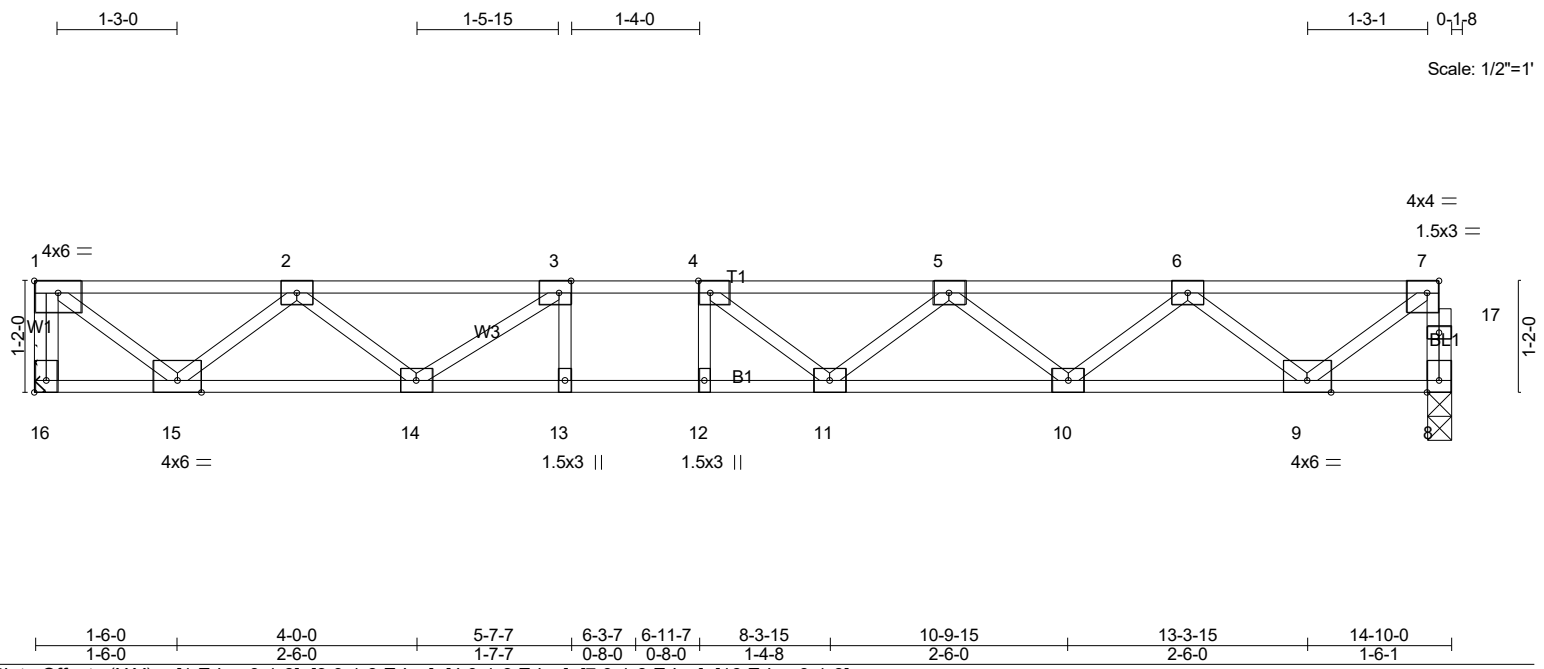

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [7:0-1-8,Edge], [16:Edge,0-1-8]

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	0.48	Vert(LL)	-0.16	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.22	11-12	>781	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 75 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=802/Mechanical, 8=796/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-798/0, 8-17=-791/0, 7-17=-790/0, 1-2=-914/0, 2-3=-2152/0, 3-4=-2733/0, 4-5=-2715/0, 5-6=-2170/0, 6-7=-914/0
BOT CHORD 14-15=0/1712, 13-14=0/2733, 12-13=0/2733, 11-12=0/2733, 10-11=0/2609, 9-10=0/1708
WEBS 1-15=0/1147, 2-15=-1038/0, 2-14=0/573, 3-14=-752/0, 4-11=-291/196, 5-11=-0/271, 5-10=-571/0, 6-10=0/601, 6-9=-1035/0, 7-9=0/1104

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F204	Floor	3	1	# 39972
					Job Reference (optional)

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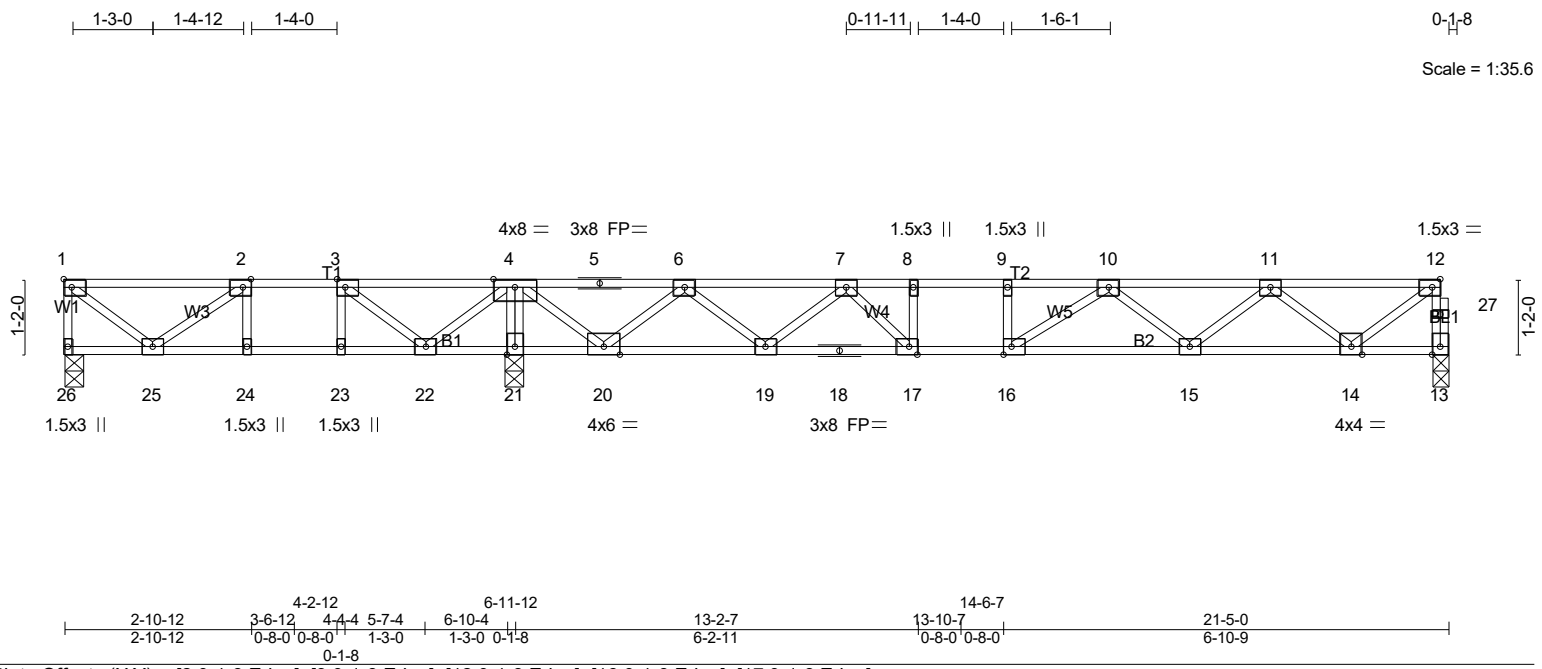

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [12:0-1-8,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge]

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	0.44	Vert(LL)	-0.13	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.17	15-16	>990	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.03	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 108 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) 26=219/0-3-8 (min. 0-1-8), 13=703/0-3-0 (min. 0-1-8), 21=1407/0-3-8 (min. 0-1-8)
Max Uplift26=-49(LC 4)
Max Grav26=327(LC 3), 13=716(LC 7), 21=1407(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-328/39, 13-27=-709/0, 12-27=-708/0, 1-2=-259/97, 2-3=-475/335, 3-4=-74/700, 6-7=-1449/0, 7-8=-2220/0, 8-9=-2220/0, 9-10=-2220/0, 10-11=-1878/0, 11-12=-805/0
BOT CHORD 24-25=-335/475, 23-24=-335/475, 22-23=-335/475, 21-22=-1145/0, 20-21=-1145/0, 19-20=0/949, 18-19=0/1942, 17-18=0/1942, 16-17=0/2220, 15-16=0/2187, 14-15=0/1515
WEBS 3-23=0/263, 8-17=-290/0, 4-21=-1350/0, 1-25=-124/330, 2-25=-266/292, 3-22=-774/0, 4-22=0/630, 4-20=0/1203, 6-20=-1115/0, 6-19=0/694, 7-19=-691/0, 7-17=0/579, 12-14=0/973, 11-14=-924/0, 11-15=0/472, 10-15=-402/0, 10-16=-187/279

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 26.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F205	Floor	2	1	# 39972
					Job Reference (optional)

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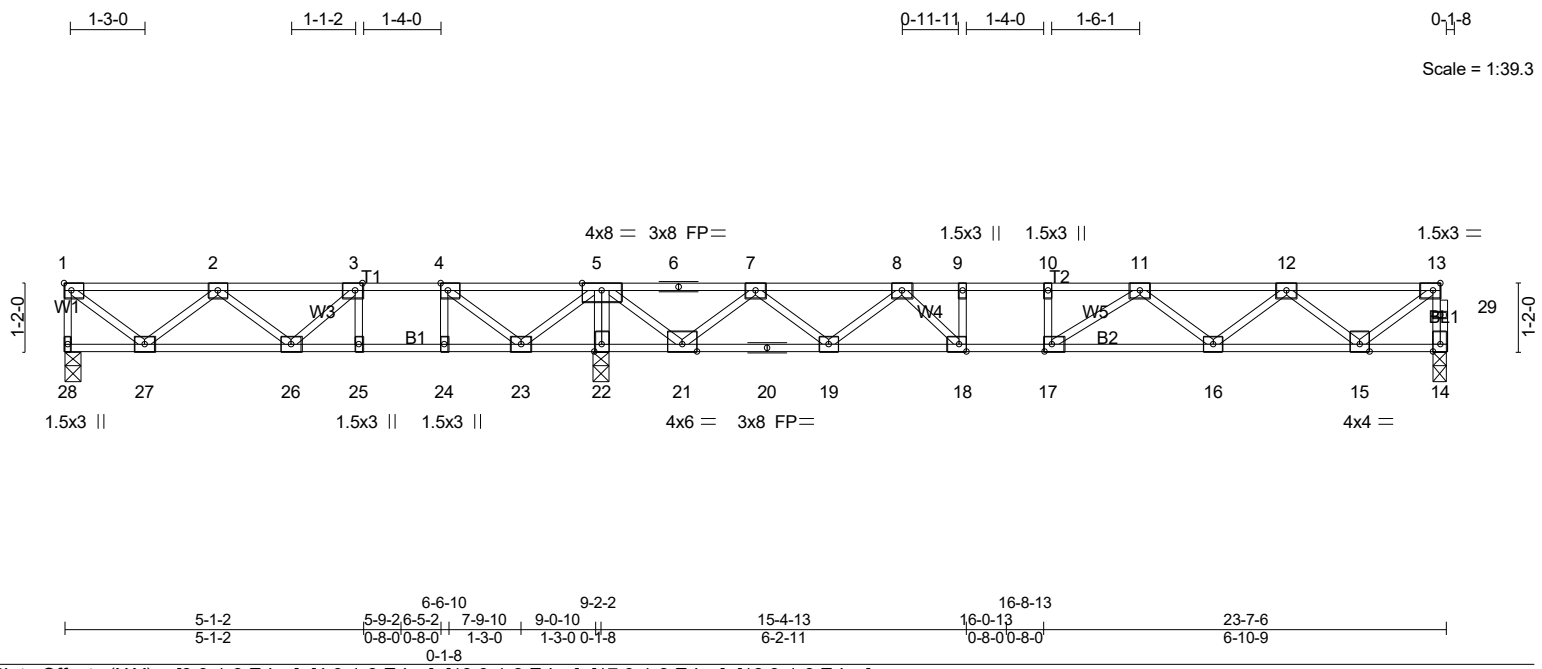

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [13:0-1-8,Edge], [17:0-1-8,Edge], [18:0-1-8,Edge]

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	0.50	Vert(LL)	-0.12	16-17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.17	16-17	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.03	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) 28=361/0-3-8 (min. 0-1-8), 14=692/0-3-0 (min. 0-1-8), 22=1517/0-3-8 (min. 0-1-8)
Max Grav 28=453(LC 3), 14=703(LC 7), 22=1517(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-28=-445/0, 14-29=-696/0, 13-29=-695/0, 1-2=-438/19, 2-3=-858/188, 3-4=-764/430, 4-5=-157/805, 5-6=0/270, 6-7=0/270, 7-8=-1318/0, 8-9=-2127/0, 9-10=-2127/0, 10-11=-2127/0, 11-12=-1830/0, 12-13=-787/0
BOT CHORD 26-27=-51/841, 25-26=-430/764, 24-25=-430/764, 23-24=-430/764, 22-23=-1238/0, 21-22=-1238/0, 20-21=0/804, 19-20=0/804, 18-19=0/1827, 17-18=0/2127, 16-17=0/2122, 15-16=0/1482
WEBS 3-25=-311/0, 4-24=0/325, 9-18=-299/0, 5-22=-1451/0, 1-27=-24/559, 2-27=-525/42, 3-26=0/405, 4-23=-990/0, 5-23=0/801, 5-21=0/1217, 7-21=-1129/0, 7-19=0/704, 8-19=-703/0, 8-18=0/598, 13-15=0/952, 12-15=-904/0, 12-16=0/453, 11-16=-380/0, 11-17=-206/254

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F206	Floor	9	1	Job Reference (optional) **# 39972**

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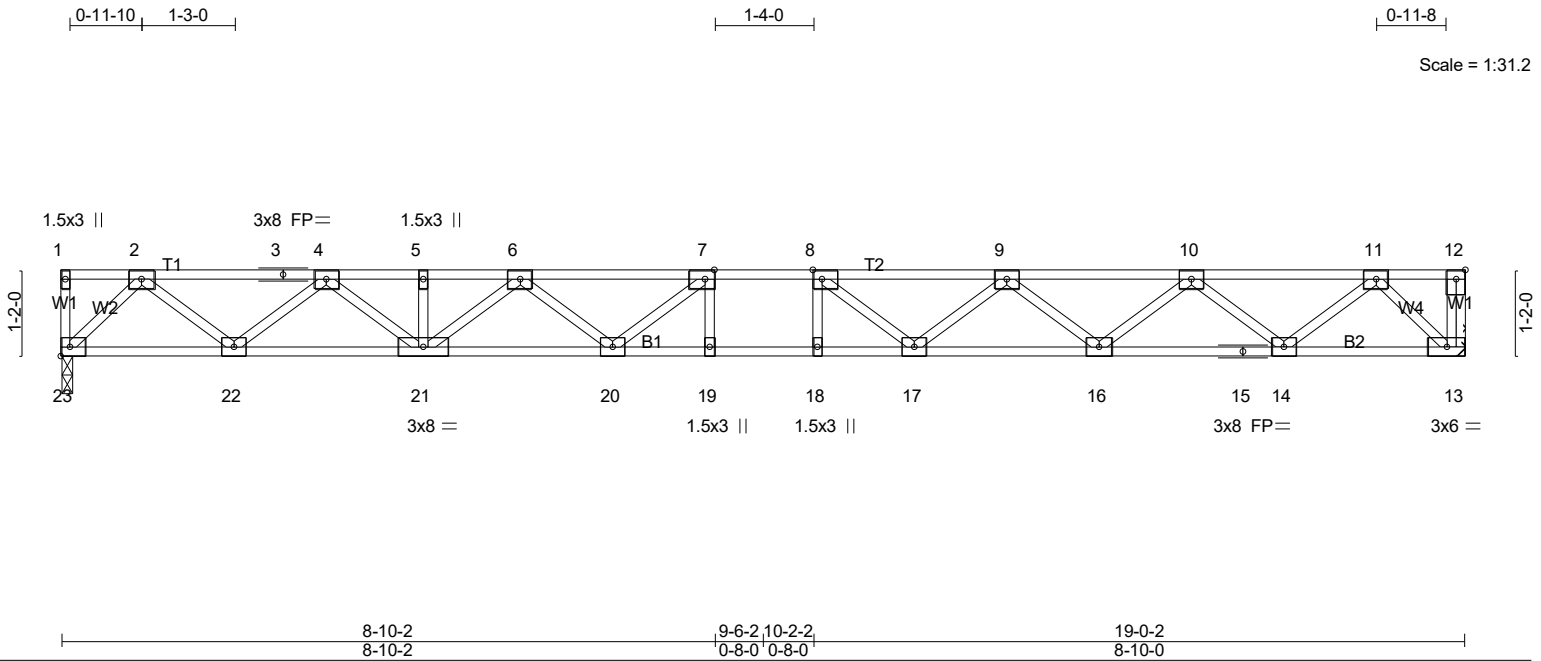

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge]

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)	-0.24	18-19	>929	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.33	18-19	>675	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.06	13	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 10-0-0 oc bracing.

REACTIONS. (lb/size) 13=690/Mechanical, 23=690/0-2-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1304/0, 3-4=-1304/0, 4-5=-2374/0, 5-6=-2374/0, 6-7=-2940/0, 7-8=-3108/0, 8-9=-2931/0, 9-10=-2356/0, 10-11=-1330/0
BOT CHORD 22-23=0/668, 21-22=0/1918, 20-21=0/2760, 19-20=0/3108, 18-19=0/3108, 17-18=0/3108, 16-17=0/2748, 15-16=0/1945, 14-15=0/1945, 13-14=0/695
WEBS 7-20=-390/57, 6-20=0/321, 6-21=-494/0, 4-21=0/582, 4-22=-800/0, 2-22=0/827, 8-17=-397/50, 9-17=0/323, 9-16=-510/0, 10-16=0/536, 10-14=-800/0, 11-14=0/827, 11-13=-965/0, 2-23=-949/0

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 23.
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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F207	Floor	2	1	# 39972
					Job Reference (optional)

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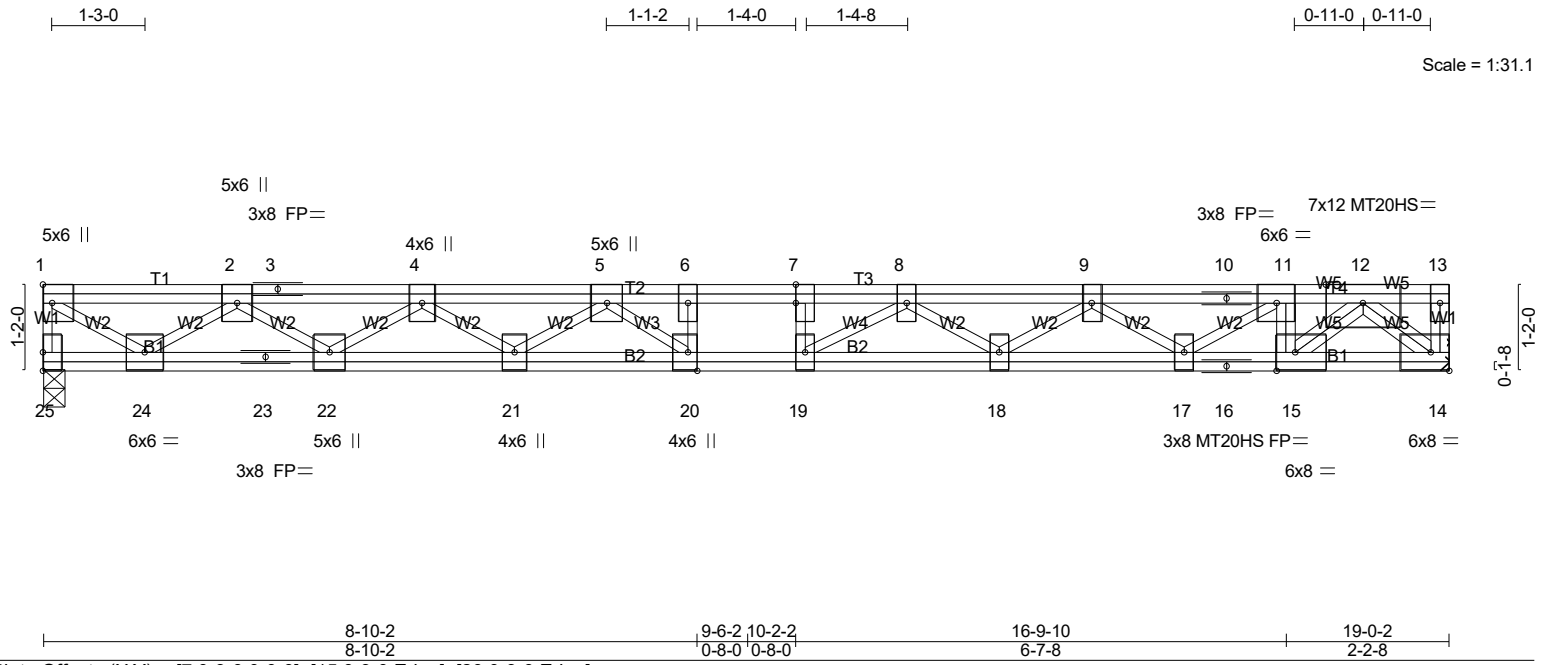

Plate Offsets (X,Y)-- [7:0-3-0,0-0-0], [15:0-3-0,Edge], [20:0-3-0,Edge]

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	0.36	Vert(LL)	-0.10	20-21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.36	18-19	>629	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.05	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 152 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) 25=838/0-3-8 (min. 0-1-8), 14=2470/Mechanical
Max Grav 25=838(LC 1), 14=2718(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-825/0, 1-2=-1074/0, 2-3=-2853/0, 3-4=-2853/0, 4-5=-4079/0, 5-6=-4986/0, 6-7=-4986/0, 7-8=-4986/0, 8-9=-5864/0, 9-10=-5843/0, 10-11=-5843/0, 11-12=-5414/0
BOT CHORD 23-24=0/2090, 22-23=0/2090, 21-22=0/3582, 20-21=0/4593, 19-20=0/4986, 18-19=0/5642, 17-18=0/5977, 16-17=0/5695, 15-16=0/5695, 14-15=0/2959
WEBS 11-15=-2440/0, 6-20=-420/0, 1-24=0/1310, 2-24=-1260/0, 2-22=0/946, 4-22=-905/0, 4-21=0/738, 5-21=-828/0, 5-20=0/1021, 8-18=0/275, 8-19=-782/0, 12-15=0/3437, 12-14=-3941/0

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) Load case(s) 1, 2, 3, 4 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
6) Standard loadcase(s) has been removed. Building designer must review loads shown to verify that they are correct for the intended use of the truss.
7) 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.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S)
1) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-7, 1-7=-67, 7-11=-13, 11-13=-103
Concentrated Loads (lb)
Vert: 11=-2202
2) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-7, 1-6=-13, 6-11=-67, 11-13=-157
Concentrated Loads (lb)
Vert: 11=-2202

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Continued on page 2

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 53719.

LOAD CASE(S)

3) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-25=-7, 1-7=-67, 7-11=-13, 11-13=-103
   Concentrated Loads (lb)
      Vert: 11=-2202
4) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-25=-7, 1-6=-13, 6-11=-67, 11-13=-157
   Concentrated Loads (lb)
      Vert: 11=-2202

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F208	Floor	1	1	# 39972
					Job Reference (optional)

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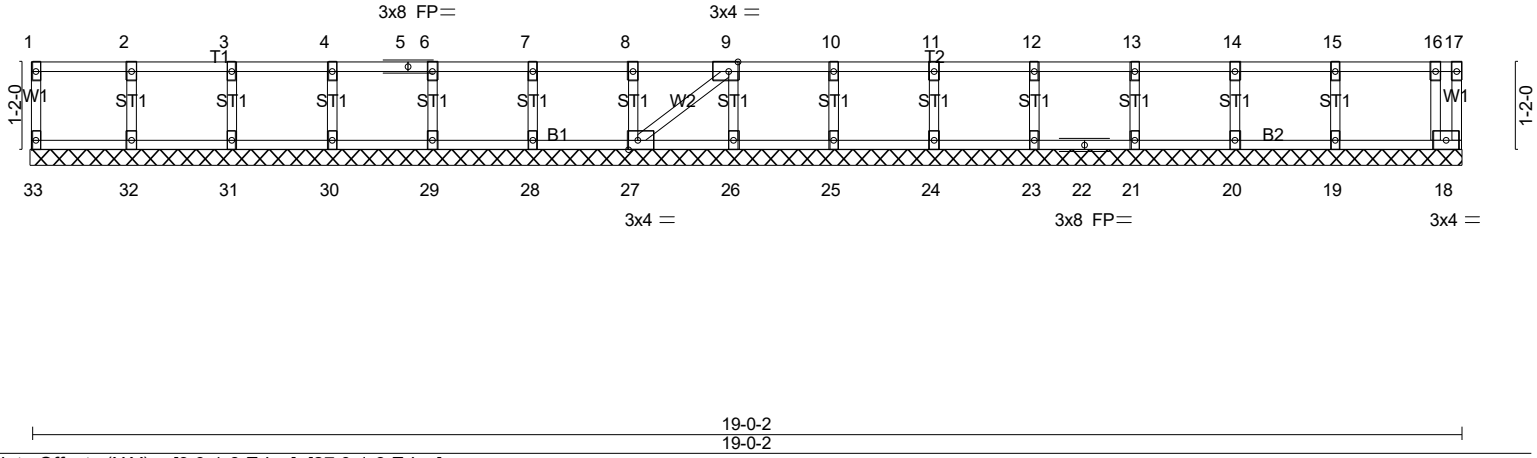

Plate Offsets (X,Y)-- [9:0-1-8,Edge], [27:0-1-8,Edge]

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	18	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 81 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 19-0-2.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 33, 18, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 21, 20, 19

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

NOTES- (6)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F209	Floor	4	1	# 39972
					Job Reference (optional)

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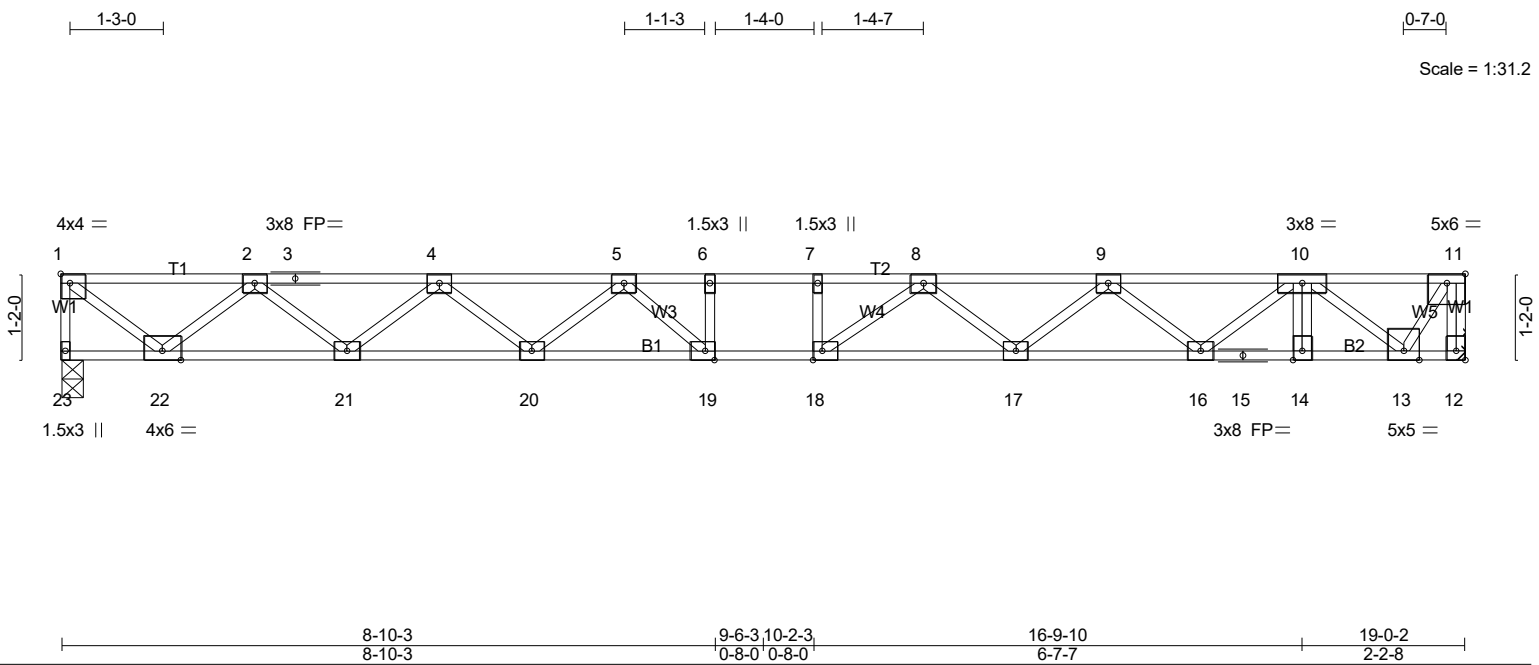

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [12:Edge,0-1-8], [18:0-1-8,Edge], [19:0-1-8,Edge]

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)	-0.24	18-19	>926	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.43	17-18	>531	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.07	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 98 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) 23=757/0-3-8 (min. 0-1-8), 12=1224/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-751/0, 11-12=-1224/0, 1-2=-858/0, 2-3=-2239/0, 3-4=-2239/0, 4-5=-3142/0, 5-6=-3694/0, 6-7=-3694/0, 7-8=-3694/0, 8-9=-3492/0, 9-10=-2817/0, 10-11=-794/0
BOT CHORD 21-22=0/1662, 20-21=0/2792, 19-20=0/3488, 18-19=0/3694, 17-18=0/3690, 16-17=0/3259, 15-16=0/2312, 14-15=0/2312, 13-14=0/2312
WEBS 1-22=0/1096, 2-22=-1046/0, 2-21=0/751, 4-21=-719/0, 4-20=0/456, 5-20=-450/0, 5-19=0/518, 10-16=0/634, 9-16=-576/0, 9-17=0/303, 8-17=-257/0, 8-18=-265/231, 10-13=-1904/0, 11-13=0/1413

NOTES- (7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 10=-600
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 10=-600
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-7=-67, 7-11=-13
Concentrated Loads (lb)
Vert: 10=-600

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Continued on page 2

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LOAD CASE(S) Standard

4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 12-23=-7, 1-6=-13, 6-11=-67
   Concentrated Loads (lb)
      Vert: 10=-600
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 12-23=-7, 1-7=-67, 7-11=-13
   Concentrated Loads (lb)
      Vert: 10=-600
6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 12-23=-7, 1-6=-13, 6-11=-67
   Concentrated Loads (lb)
      Vert: 10=-600

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F210	Floor Supported Gable	1	1	Job Reference (optional) **# 39972**

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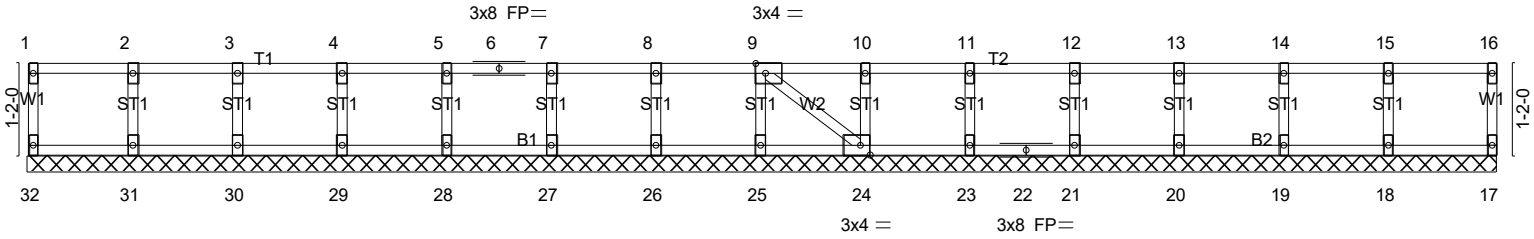

18-8-10
18-8-10

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

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	0.07	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	24	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)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 18-8-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 21, 20, 19, 18

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

NOTES- (6)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F212	Floor Girder	1	1	Job Reference (optional) **# 39972**

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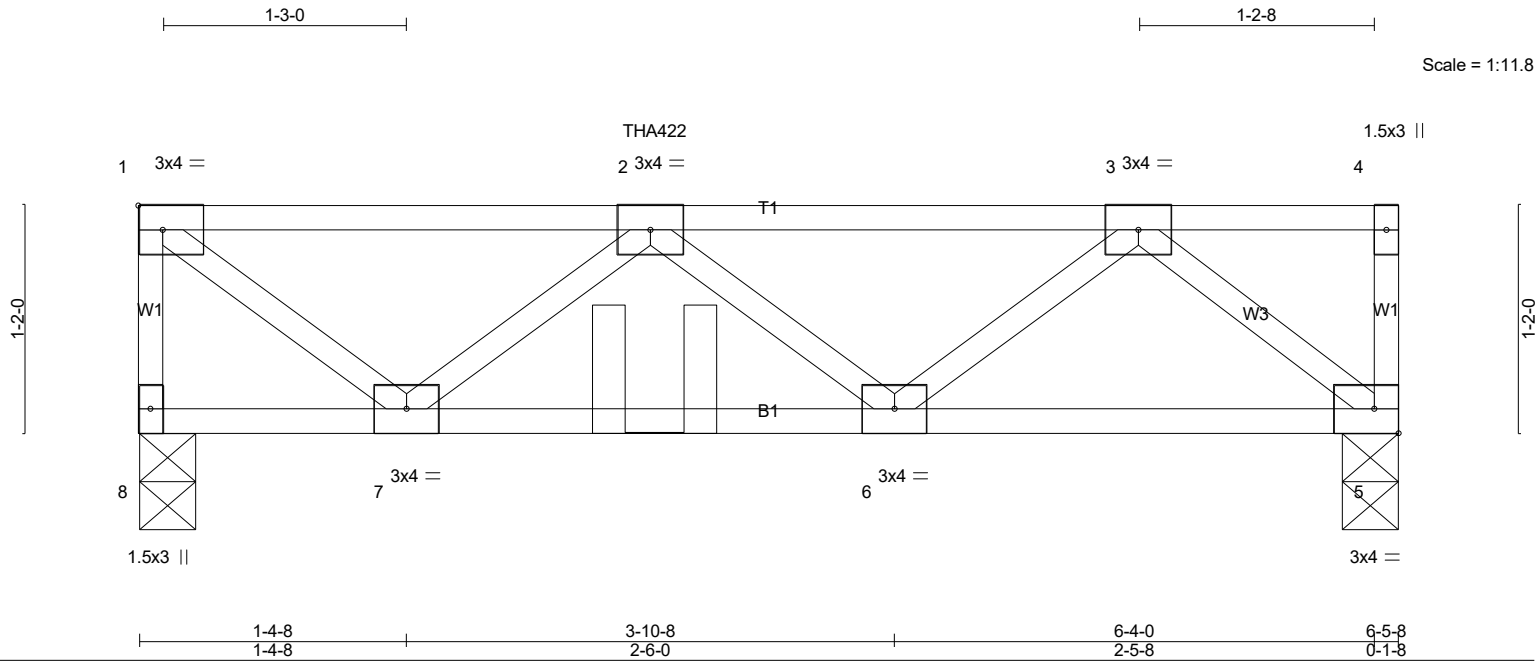

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 33 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) 8=380/0-3-8 (min. 0-1-8), 5=370/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-375/0, 1-2=-345/0, 2-3=-538/0
BOT CHORD 6-7=0/650, 5-6=0/393
WEBS 1-7=0/440, 2-7=-398/0, 3-5=-508/0

NOTES- (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) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 2-7-12 from the left end to connect truss(es) F213 (1 ply 2x4 SP) to front face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
3) Fill all nail holes where hanger is in contact with lumber.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 2=-54(F)

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F213	Floor Girder	1	1	Job Reference (optional) **# 39972**

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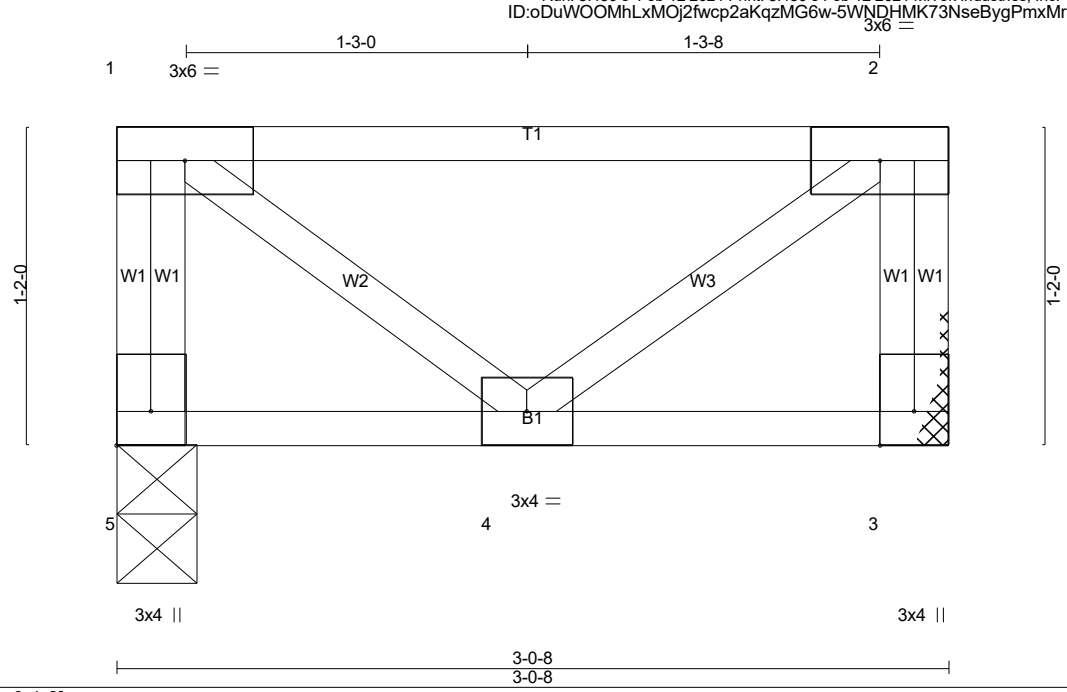

Plate Offsets (X,Y)-- [5:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.54	Vert(LL)	-0.00	4	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 19 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 3-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=154/0-3-8 (min. 0-1-8), 3=154/Mechanical

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

NOTES- (3)
1) Refer to girder(s) for truss to truss connections.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F214	Floor Supported Gable	1	1	Job Reference (optional) **# 39972**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jul 15 14:27:57 2023 Page 1
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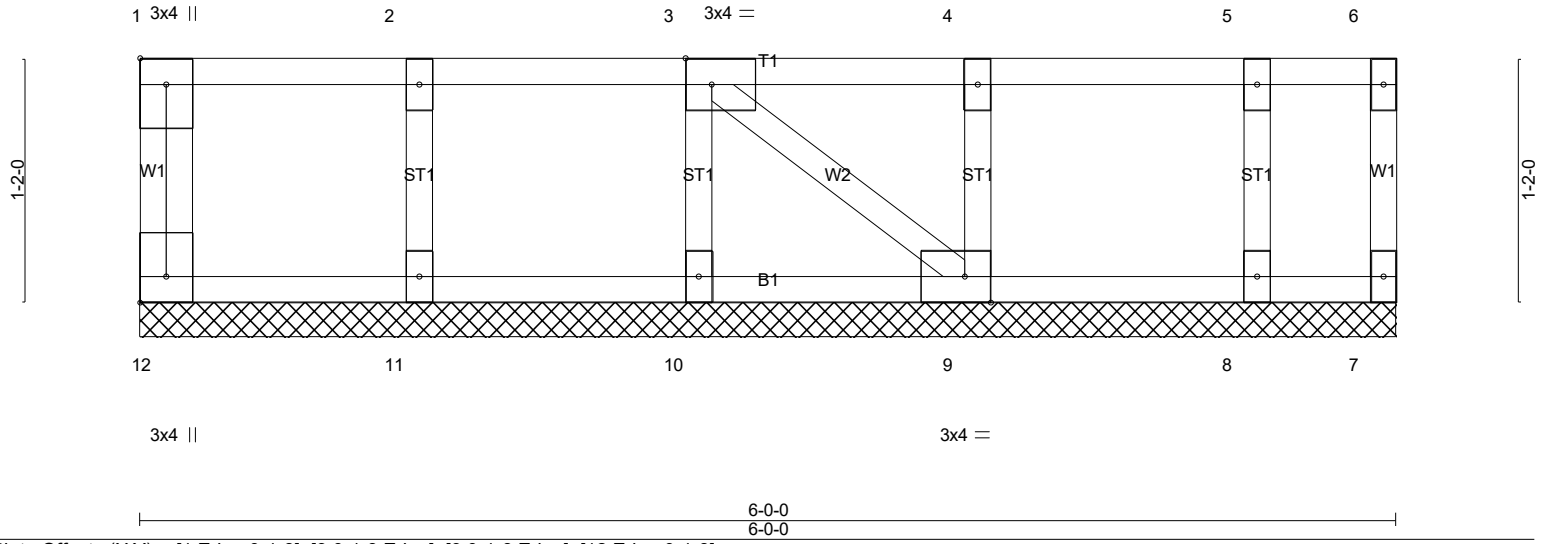

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [9:0-1-8,Edge], [12:Edge,0-1-8]

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	0.06	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	7	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)
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 6-0-0.
(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- (6)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F216	Floor Supported Gable	1	1	Job Reference (optional) **# 39972**

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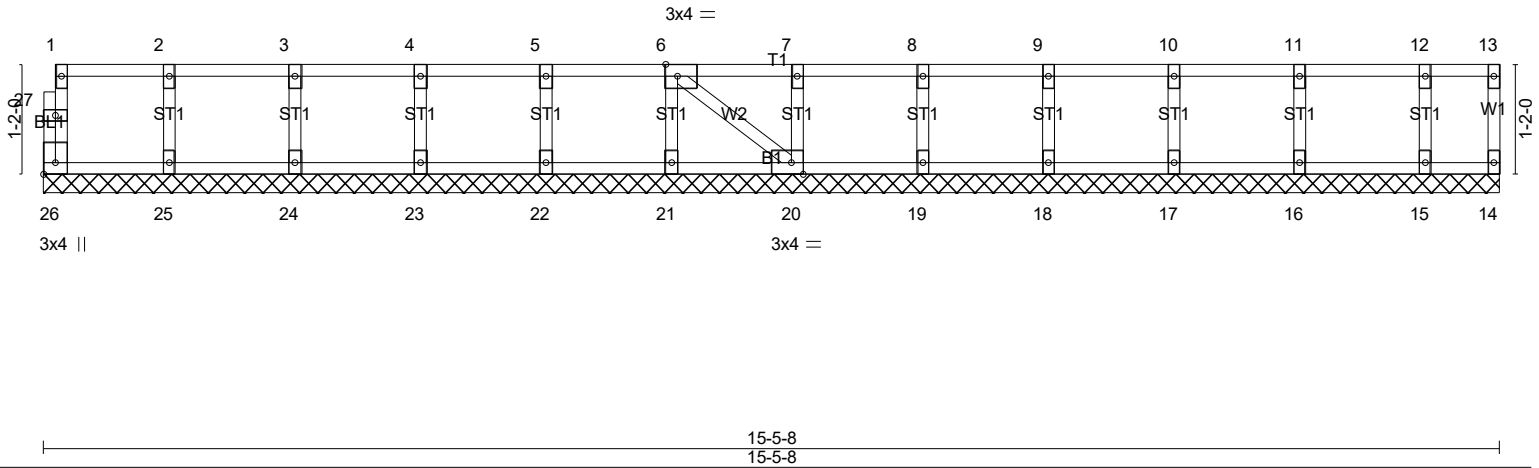

15-5-8
15-5-8

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [20:0-1-8,Edge], [26: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	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 67 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 15-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES- (7)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F217	Floor	1	1	Job Reference (optional) **# 39972**

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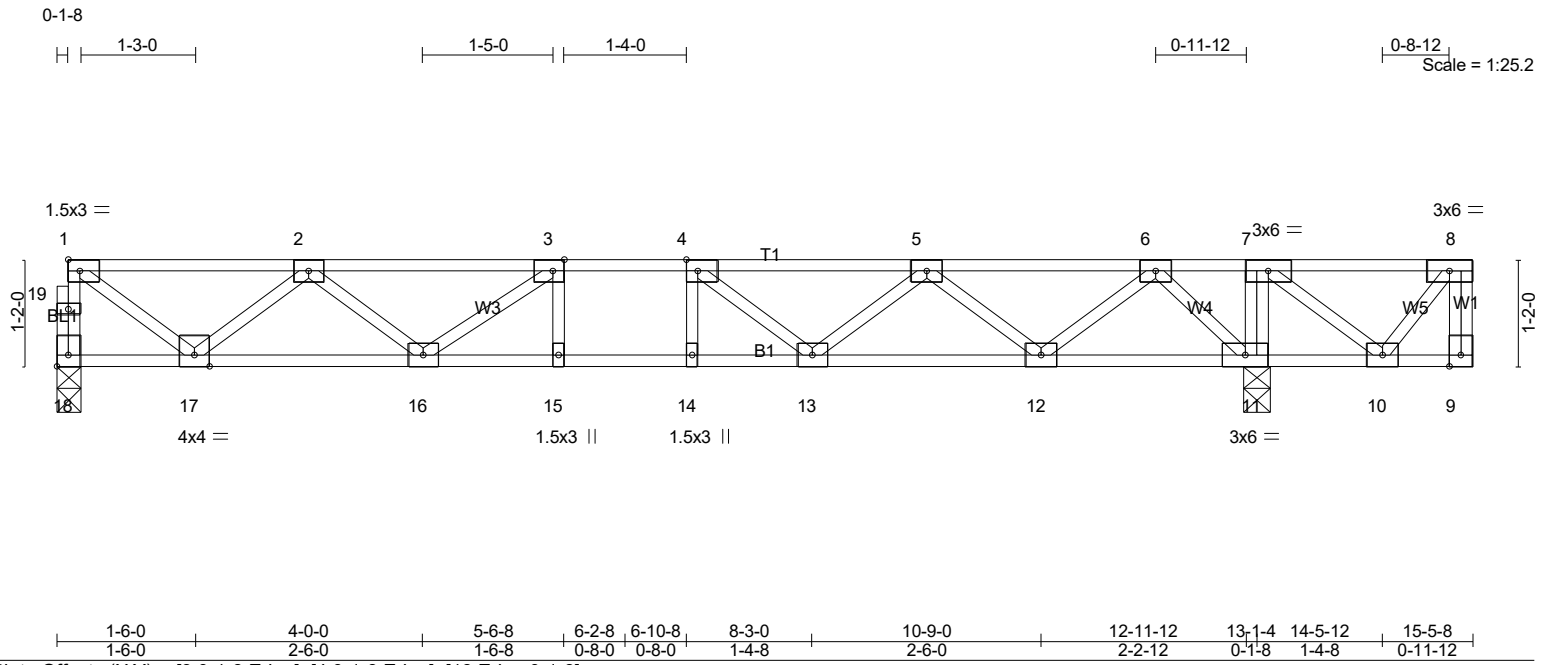

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [18:Edge,0-1-8]

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	0.32	Vert(LL)	-0.10	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.13	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 81 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: 11-12,10-11.

REACTIONS. (lb/size) 18=687/0-3-0 (min. 0-1-8), 11=980/0-3-8 (min. 0-1-8)
Max Grav 18=702(LC 3), 11=980(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-698/0, 1-19=-697/0, 1-2=-793/0, 2-3=-1805/0, 3-4=-2177/0, 4-5=-1999/0, 5-6=-1231/0
BOT CHORD 16-17=0/1480, 15-16=0/2177, 14-15=0/2177, 13-14=0/2177, 12-13=0/1783, 11-12=-52/655
WEBS 7-11=-303/0, 1-17=0/959, 2-17=-895/0, 2-16=0/424, 3-16=-533/0, 4-13=-425/7, 5-13=0/365, 5-12=-744/0, 6-12=0/777, 6-11=-975/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F218	Floor	1	1	Job Reference (optional) **# 39972**

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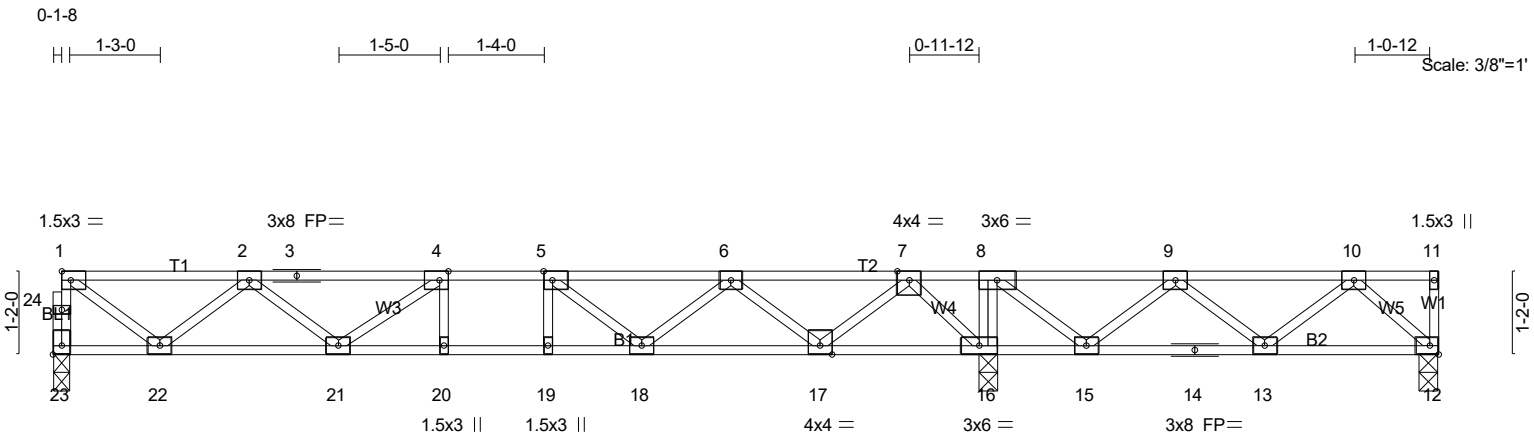

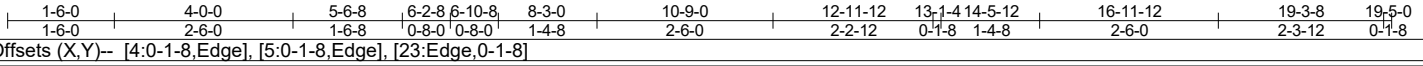

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [23:Edge,0-1-8]

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	0.41	Vert(LL)	-0.07	20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.10	20	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.02	16	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 99 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=595/0-3-0 (min. 0-1-8), 12=111/0-3-8 (min. 0-1-8), 16=1403/0-3-8 (min. 0-1-8)
Max Uplift12=-123(LC 3)
Max Grav 23=603(LC 3), 12=264(LC 4), 16=1403(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-597/0, 1-24=-596/0, 1-2=-664/0, 2-3=-1438/0, 3-4=-1438/0, 4-5=-1604/0, 5-6=-1234/0, 7-8=0/1341, 8-9=0/919, 9-10=-282/360
BOT CHORD 21-22=0/1242, 20-21=0/1604, 19-20=0/1604, 18-19=0/1604, 17-18=0/887, 16-17=-573/0, 15-16=-1341/0, 14-15=-608/281, 13-14=-608/281
WEBS 8-16=-631/0, 1-22=0/802, 2-22=-752/0, 2-21=0/256, 4-21=-278/0, 5-18=-514/0, 6-18=0/463, 6-17=-874/0, 7-17=0/913, 7-16=-1122/0, 8-15=0/724, 9-15=-665/0, 9-13=0/323, 10-13=-277/43, 10-12=-339/201

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 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.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F219	Floor	1	1	Job Reference (optional) **# 39972**

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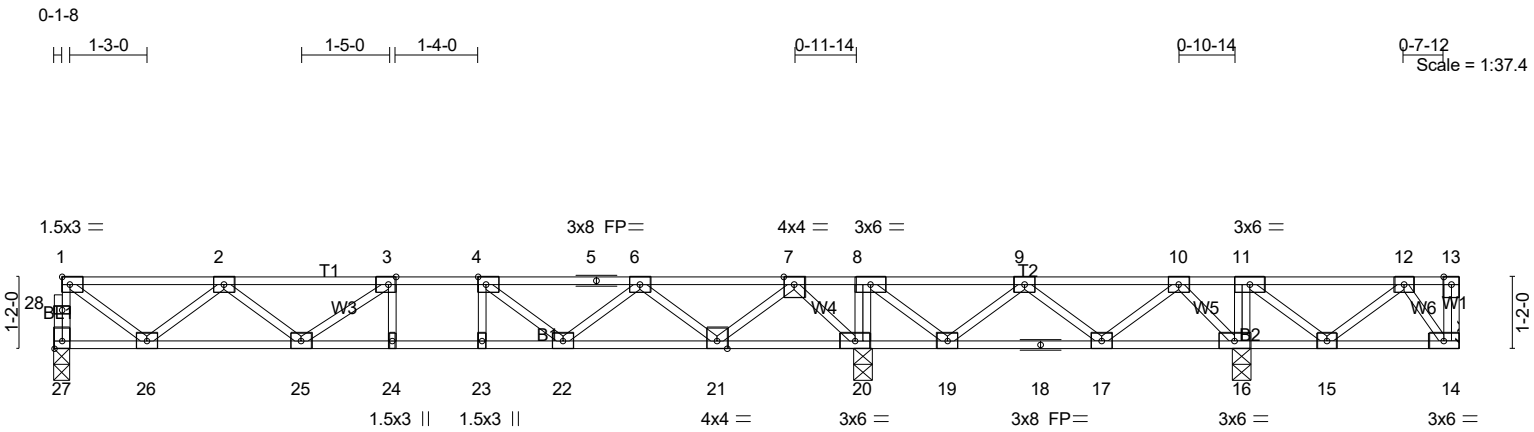


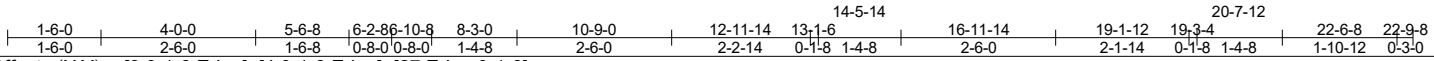


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [27:Edge,0-1-8]

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	0.41	Vert(LL)	-0.07	24-25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.10	24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.02	20	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)

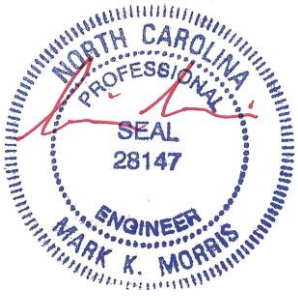
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 0-3-8 except (jt=length) 27=0-3-0, 14=Mechanical.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 14
Max Grav All reactions 250 lb or less at joint(s) 14 except 27=603(LC 5), 20=1392(LC 3), 16=553(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-597/0, 1-28=-596/0, 1-2=-664/0, 2-3=-1437/0, 3-4=-1603/0, 4-5=-1232/0, 5-6=-1232/0, 7-8=0/1339, 8-9=0/905, 9-10=-154/305
BOT CHORD 25-26=0/1241, 24-25=0/1603, 23-24=0/1603, 22-23=0/1603, 21-22=0/885, 20-21=-559/0, 19-20=-1339/0, 18-19=-571/202, 17-18=-571/202
WEBS 8-20=-621/0, 11-16=-312/0, 1-26=0/801, 2-26=-752/0, 2-25=0/258, 3-25=-281/0, 4-22=-509/0, 6-22=0/461, 6-21=-873/0, 7-21=0/911, 7-20=-1129/0, 8-19=0/708, 9-19=-649/0, 9-17=-75/346, 10-17=-304/113, 10-16=-359/289, 12-14=-288/13

NOTES- (7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
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.

LOAD CASE(S) Standard



7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F220	Floor	2	1	# 39972
					Job Reference (optional)

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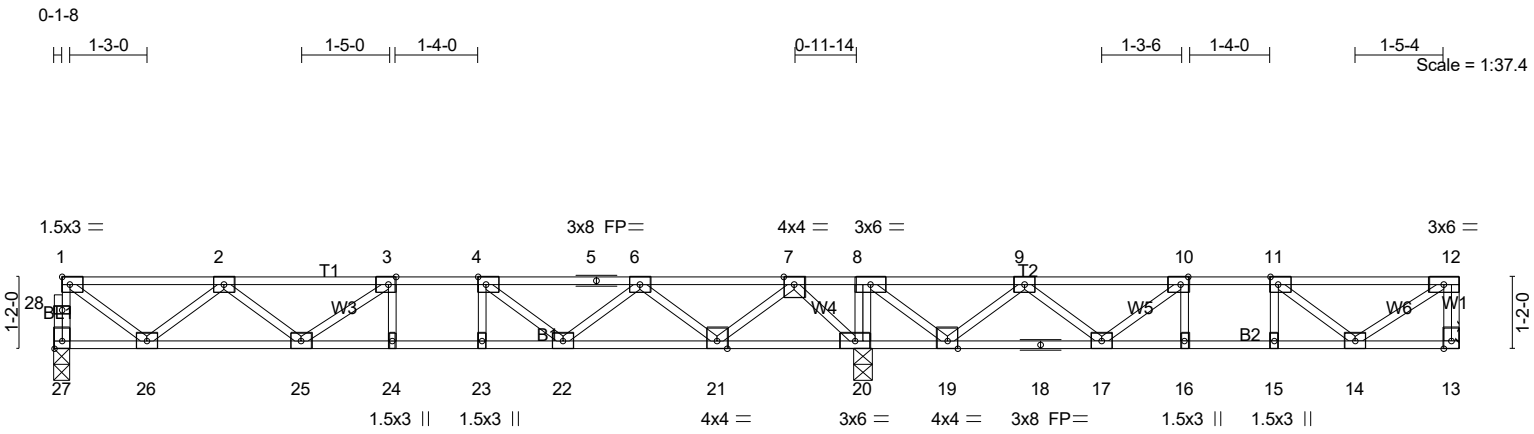

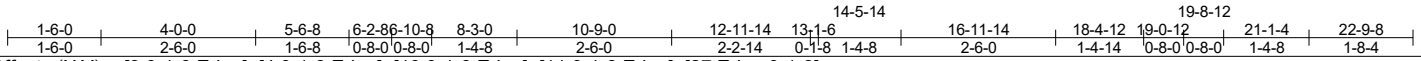

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [27:Edge,0-1-8]

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	0.43	Vert(LL)	-0.07	24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.10	24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 116 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=593/0-3-0 (min. 0-1-8), 13=368/Mechanical, 20=1513/0-3-8 (min. 0-1-8)
Max Grav 27=623(LC 10), 13=441(LC 4), 20=1513(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-618/0, 1-28=-617/0, 12-13=-433/0, 1-2=-690/0, 2-3=-1514/0, 3-4=-1722/0, 4-5=-1391/0, 5-6=-1391/0, 6-7=-435/269, 7-8=0/1473, 8-9=0/787, 9-10=-671/319, 10-11=-857/90, 11-12=-472/8
BOT CHORD 25-26=0/1291, 24-25=0/1722, 23-24=0/1722, 22-23=0/1722, 21-22=-62/1073, 20-21=-664/0, 19-20=-1473/0, 18-19=-512/462, 17-18=-512/462, 16-17=-90/857, 15-16=-90/857, 14-15=-90/857
WEBS 8-20=-738/0, 1-26=0/834, 2-26=-782/0, 2-25=0/290, 3-25=-266/38, 4-22=-559/0, 6-22=0/480, 6-21=-888/0, 7-21=0/927, 7-20=-1106/0, 8-19=0/901, 9-19=-825/0, 9-17=0/398, 10-17=-467/0, 11-14=-492/105, 12-14=-10/568

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F221	Floor	1	1	# 39972
					Job Reference (optional)

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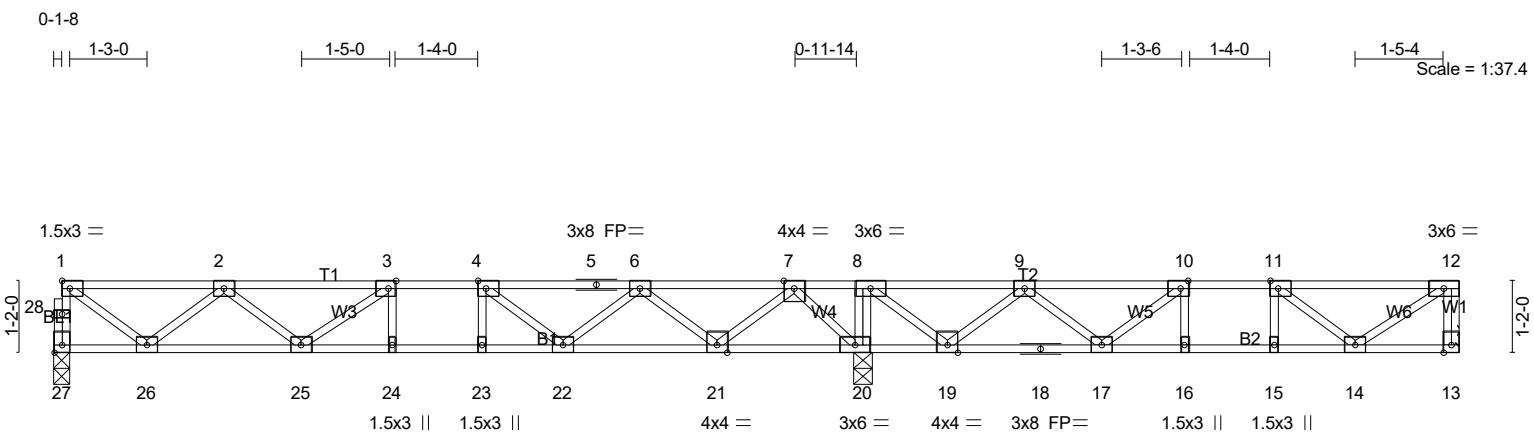

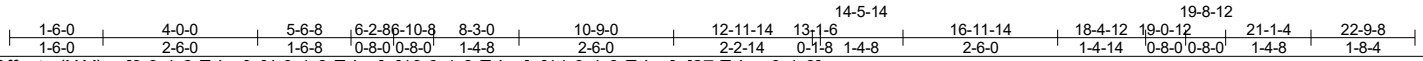

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [27:Edge,0-1-8]

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	0.43	Vert(LL)	-0.07	24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.10	24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 116 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=593/0-3-0 (min. 0-1-8), 13=368/Mechanical, 20=1513/0-3-8 (min. 0-1-8)
Max Grav 27=623(LC 10), 13=441(LC 4), 20=1513(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-618/0, 1-28=-617/0, 12-13=-433/0, 1-2=-690/0, 2-3=-1514/0, 3-4=-1722/0, 4-5=-1391/0, 5-6=-1391/0, 6-7=-435/269, 7-8=0/1473, 8-9=0/787, 9-10=-671/319, 10-11=-857/90, 11-12=-472/8
BOT CHORD 25-26=0/1291, 24-25=0/1722, 23-24=0/1722, 22-23=0/1722, 21-22=-62/1073, 20-21=-664/0, 19-20=-1473/0, 18-19=-512/462, 17-18=-512/462, 16-17=-90/857, 15-16=-90/857, 14-15=-90/857
WEBS 8-20=-738/0, 1-26=0/834, 2-26=-782/0, 2-25=0/290, 3-25=-266/38, 4-22=-559/0, 6-22=0/480, 6-21=-888/0, 7-21=0/927, 7-20=-1106/0, 8-19=0/901, 9-19=-825/0, 9-17=0/398, 10-17=-467/0, 11-14=-492/105, 12-14=-10/568

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F222	Floor	2	1	# 39972
					Job Reference (optional)

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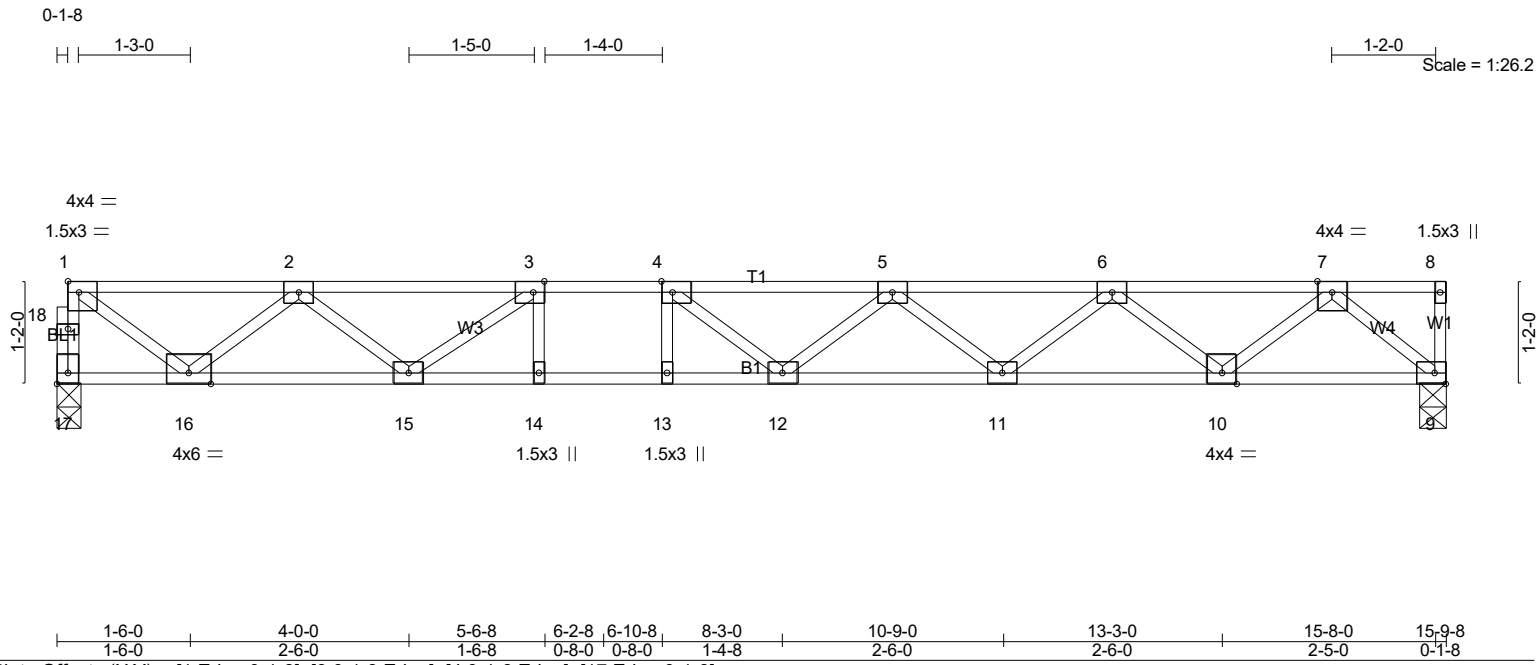

1-6-0	4-0-0	5-6-8	6-2-8	6-10-8	8-3-0	10-9-0	13-3-0	15-8-0	15-9-8
1-6-0	2-6-0	1-6-8	0-8-0	0-8-0	1-4-8	2-6-0	2-6-0	2-5-0	0-1-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [17: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	0.56	Vert(LL)	-0.21	12-13	>911	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.28	12-13	>663	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(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) 17=852/0-3-2 (min. 0-1-8), 9=858/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-851/0, 1-18=-849/0, 1-2=-989/0, 2-3=-2359/0, 3-4=-3048/0, 4-5=-3160/0, 5-6=-2763/0, 6-7=-1685/0
BOT CHORD 15-16=0/1842, 14-15=0/3048, 13-14=0/3048, 12-13=0/3048, 11-12=0/3138, 10-11=0/2370, 9-10=0/964
WEBS 3-14=-21/293, 4-13=-286/46, 1-16=0/1198, 2-16=-1111/0, 2-15=0/673, 3-15=-883/0, 4-12=-218/342, 5-11=-489/0, 6-11=0/511, 6-10=-892/0, 7-10=0/938, 7-9=-1263/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F223	FLOOR	10	1	Job Reference (optional) **# 39972**

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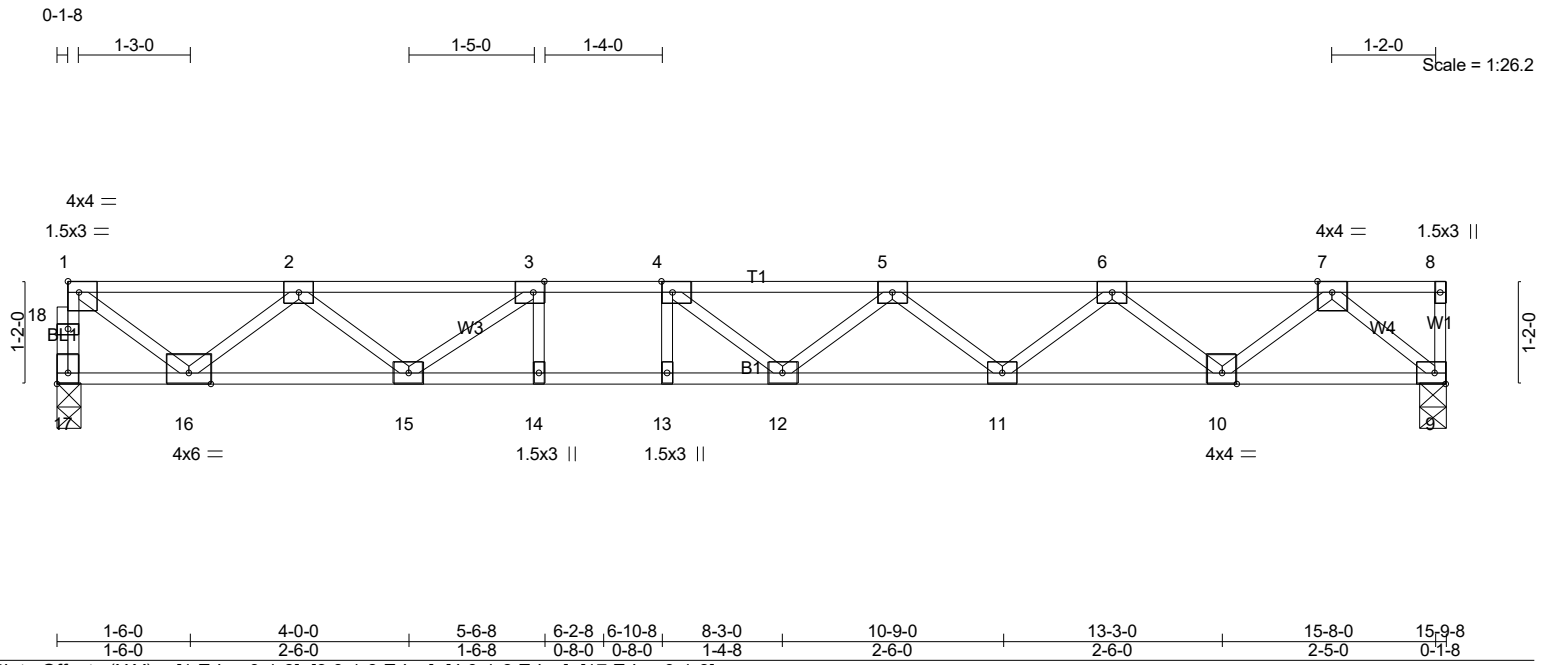

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [17:Edge,0-1-8]

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	0.56	Vert(LL)	-0.21	12-13	>911	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.28	12-13	>663	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(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) 17=852/0-3-2 (min. 0-1-8), 9=858/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-851/0, 1-18=-849/0, 1-2=-989/0, 2-3=-2359/0, 3-4=-3048/0, 4-5=-3160/0, 5-6=-2763/0, 6-7=-1685/0
BOT CHORD 15-16=0/1842, 14-15=0/3048, 13-14=0/3048, 12-13=0/3048, 11-12=0/3138, 10-11=0/2370, 9-10=0/964
WEBS 3-14=-21/293, 4-13=-286/46, 1-16=0/1198, 2-16=-1111/0, 2-15=0/673, 3-15=-883/0, 4-12=-218/342, 5-11=-489/0, 6-11=0/511, 6-10=-892/0, 7-10=0/938, 7-9=-1263/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F224	Floor	2	1	# 39972
					Job Reference (optional)

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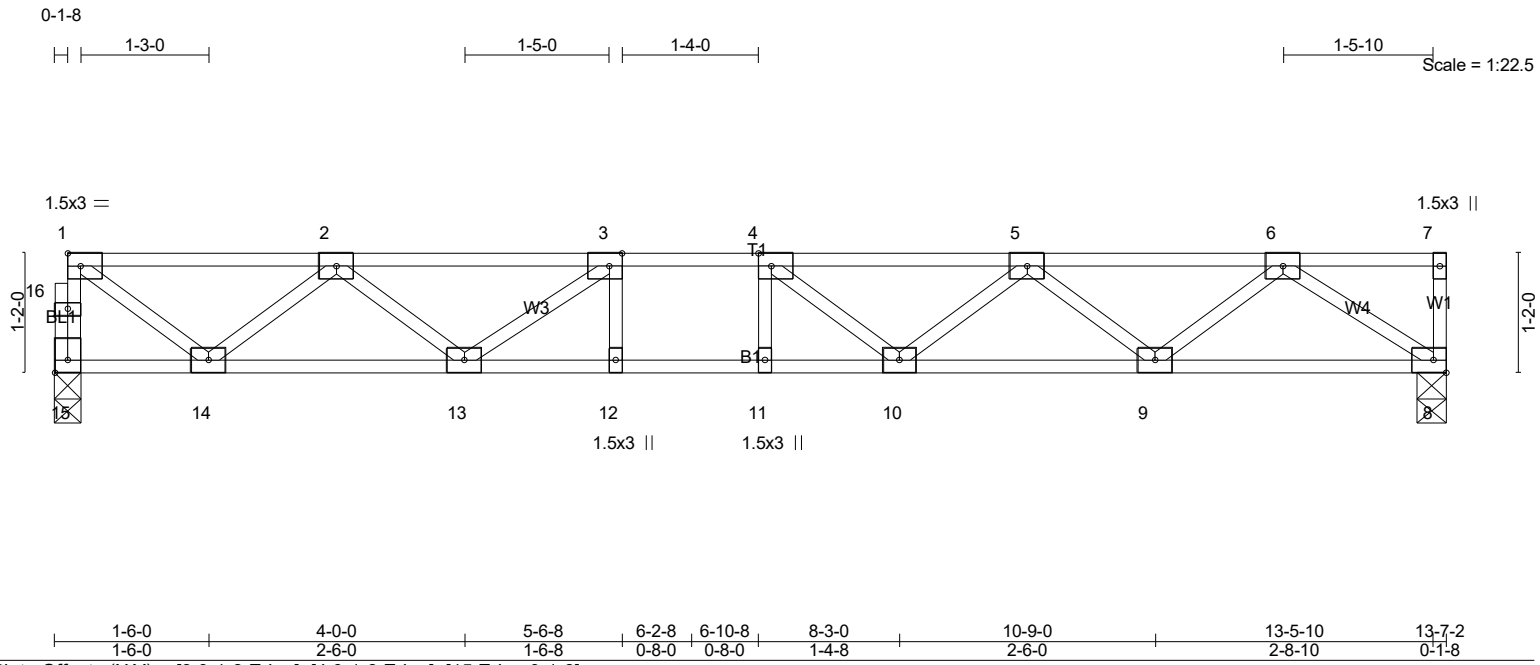

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

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	0.21	Vert(LL)	-0.08	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.10	11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 68 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=487/0-3-2 (min. 0-1-8), 8=492/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-485/0, 1-16=-484/0, 1-2=-554/0, 2-3=-1276/0, 3-4=-1565/0, 4-5=-1482/0, 5-6=-1022/0
BOT CHORD 13-14=0/1034, 12-13=0/1565, 11-12=0/1565, 10-11=0/1565, 9-10=0/1366, 8-9=0/657
WEBS 1-14=0/670, 2-14=-625/0, 2-13=0/315, 3-13=-401/0, 5-9=-447/0, 6-9=0/475, 6-8=-795/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F225	FLOOR	8	1	Job Reference (optional) **# 39972**

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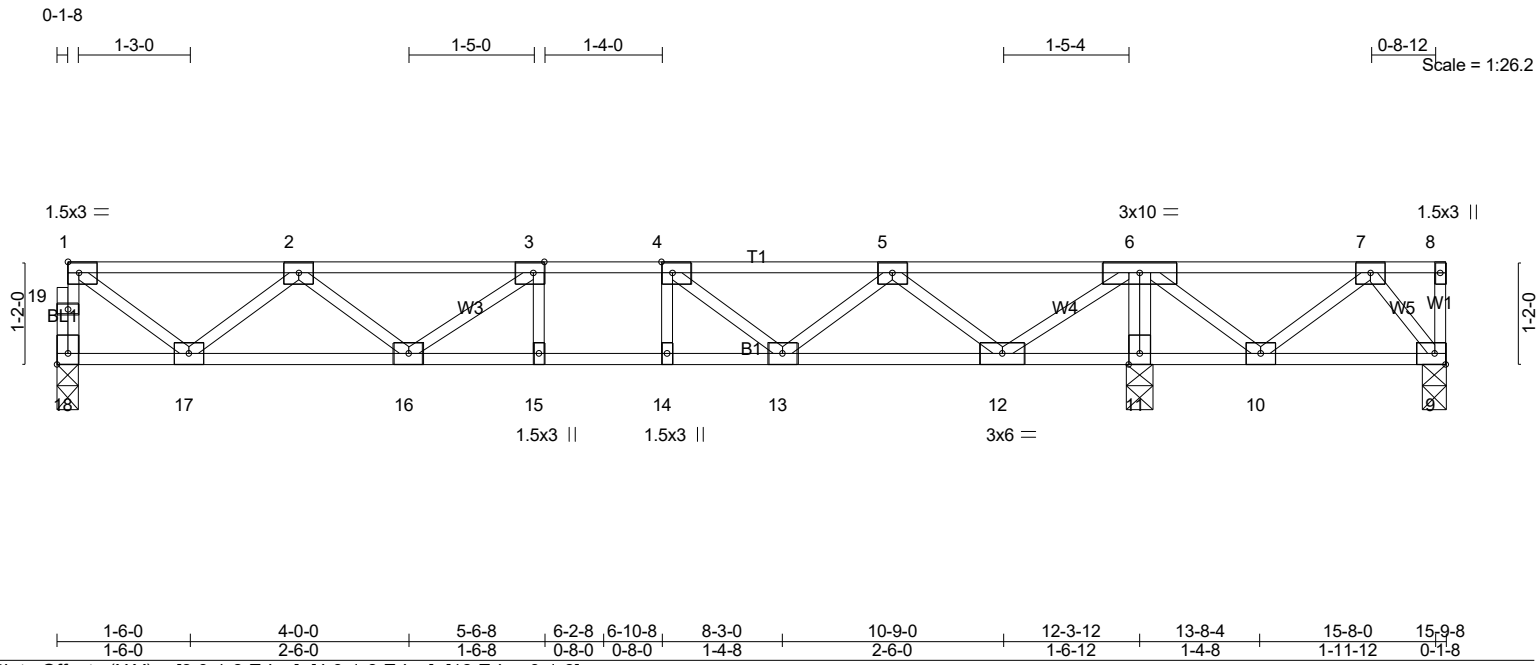

1-6-0	4-0-0	5-6-8	6-2-8	6-10-8	8-3-0	10-9-0	12-3-12	13-8-4	15-8-0	15-9-8
1-6-0	2-6-0	1-6-8	0-8-0	0-8-0	1-4-8	2-6-0	1-6-12	1-4-8	1-11-12	0-1-8

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [18: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	0.37	Vert(LL)	-0.07	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.09	15-16	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 81 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=571/0-3-0 (min. 0-1-8), 11=1283/0-3-8 (min. 0-1-8), 9=-144/0-3-6 (min. 0-1-8)
Max Uplift9=-275(LC 3)
Max Grav 18=573(LC 3), 11=1283(LC 1), 9=92(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-566/0, 1-19=-565/0, 1-2=-624/0, 2-3=-1325/0, 3-4=-1426/0, 4-5=-1001/0, 6-7=0/593
BOT CHORD 16-17=0/1168, 15-16=0/1426, 14-15=0/1426, 13-14=0/1426, 12-13=0/619, 11-12=-1007/0, 10-11=-1013/0
WEBS 6-11=-1255/0, 1-17=0/753, 2-17=-708/0, 4-13=-550/0, 5-13=0/506, 5-12=-927/0, 6-12=0/1100, 6-10=0/599, 7-10=-548/0, 7-9=-136/374

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=275.
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

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F02	F227	Floor Supported Gable	1	1	Job Reference (optional) **# 39972**

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0-1-8

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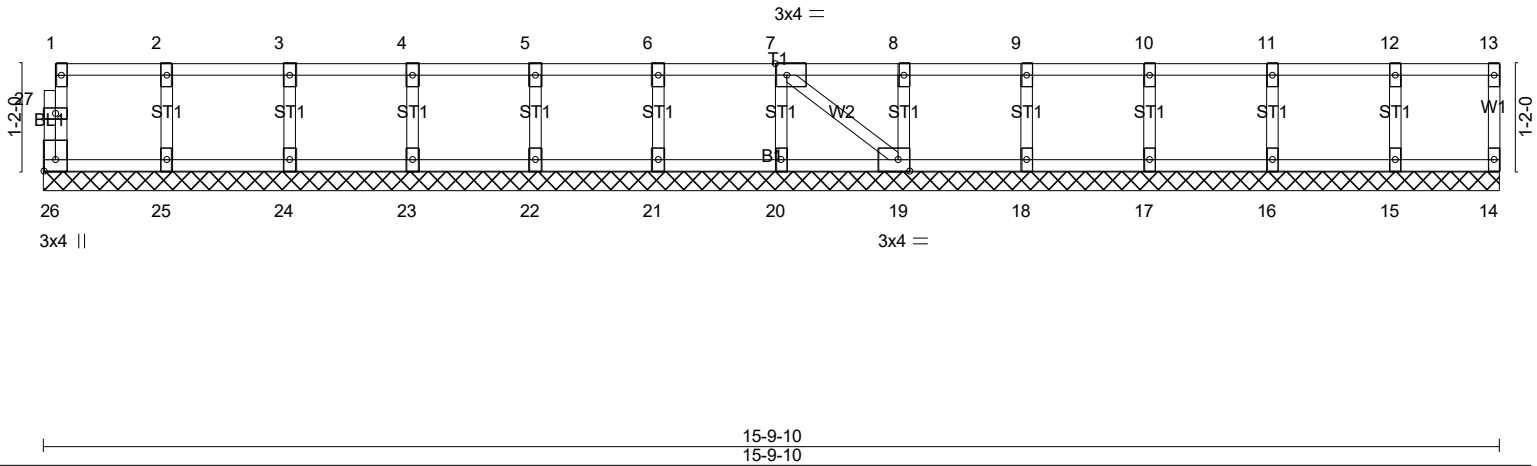

15-9-10
15-9-10

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [19:0-1-8,Edge], [26: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	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 68 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 15-9-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES- (7)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard

7/13/2023