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 #: 48855
JOB: 24-4324-F02
JOB NAME: LOT 0.0009 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.
23 Truss Design(s)

Trusses:
F2-01, F2-02, F2-03, F2-04, F2-05, F2-06, F2-07, F2-08, F2-10, F2-12, F2-14, F2-15, F2-16, F2-17, F2-18, F2-19, F2-20, F2-21, F2-22, F2-23, F2-24, F2-25, F2-26

5/20/2024
Mark Morris

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

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-01	Floor Supported Gable	1	1	Job Reference (optional) **# 48855**

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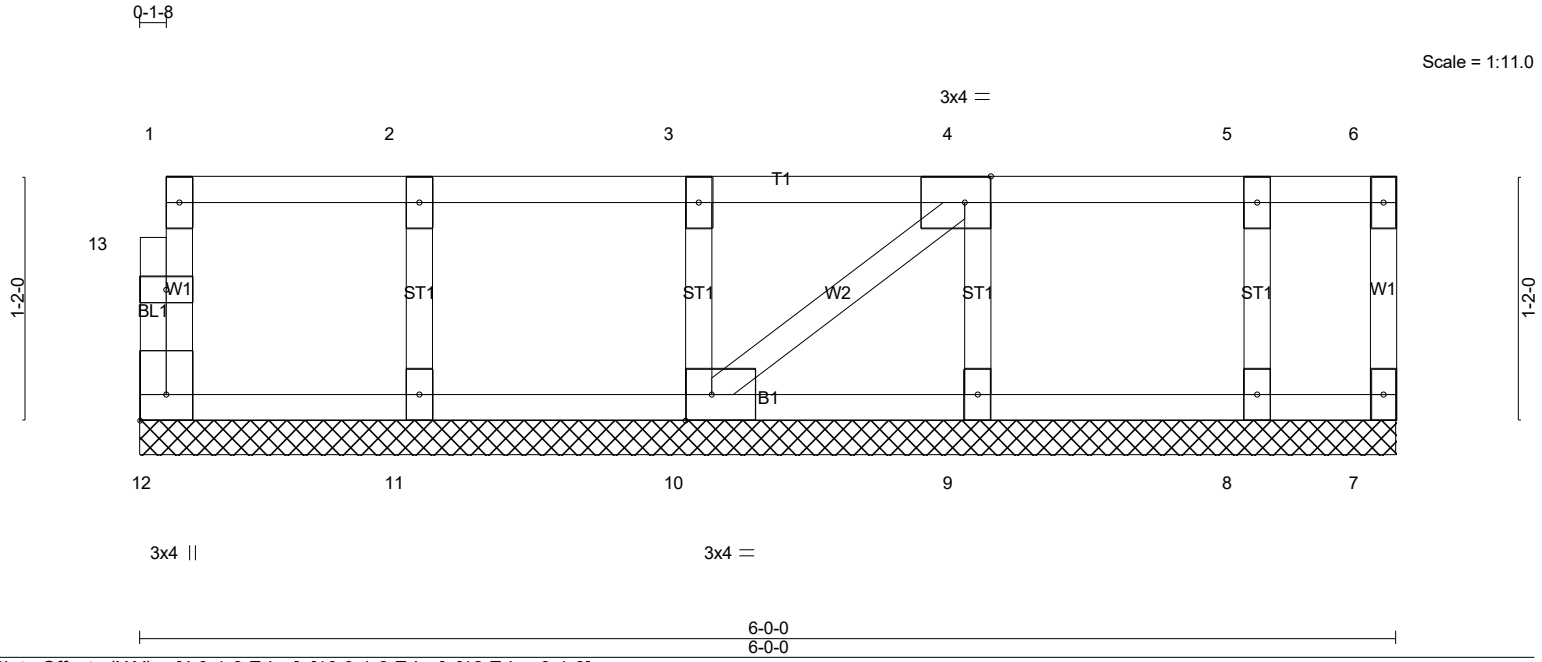

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [10:0-1-8,Edge], [12:Edge,0-1-8]

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: 29 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- (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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-02	Floor Girder	1	1	Job Reference (optional) **# 48855**

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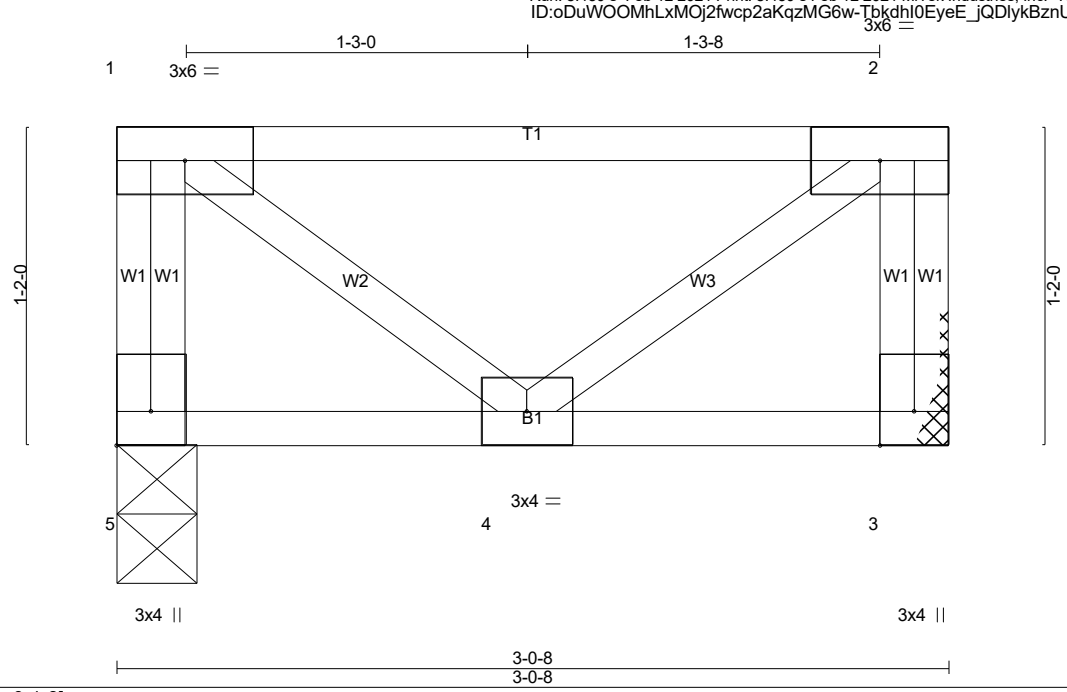

Plate Offsets (X,Y)-- [5:Edge,0-1-8]

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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-03	Floor Supported Gable	1	1	Job Reference (optional) **# 48855**

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0-1-8

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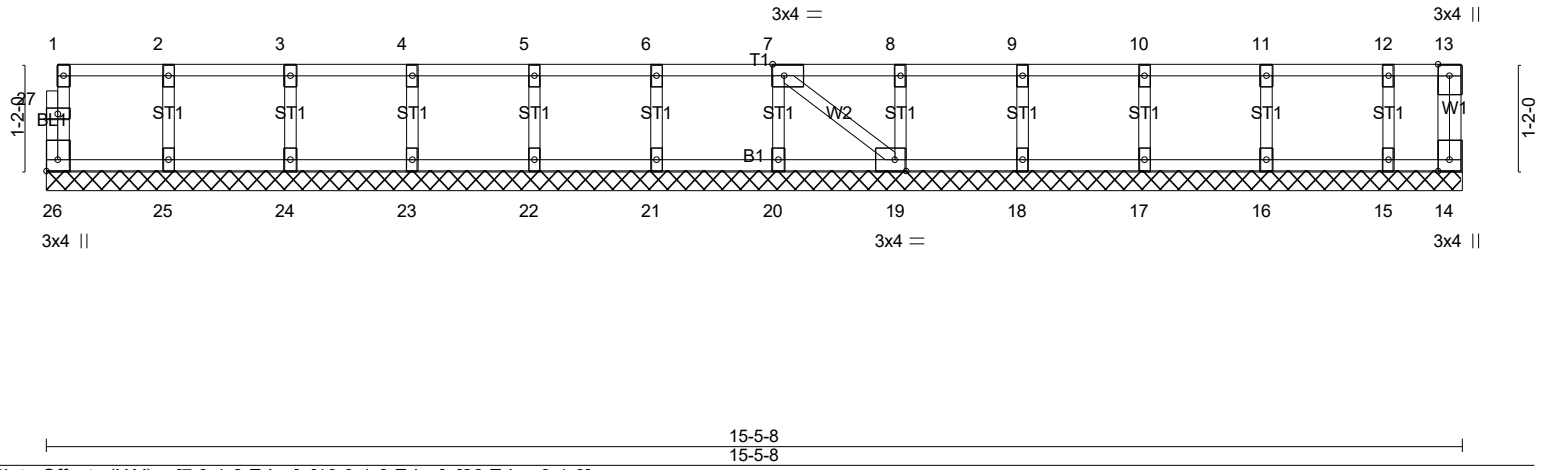

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [19:0-1-8,Edge], [26:Edge,0-1-8]

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 15-5-8.
(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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-04	Floor	1	1	Job Reference (optional) **# 48855**

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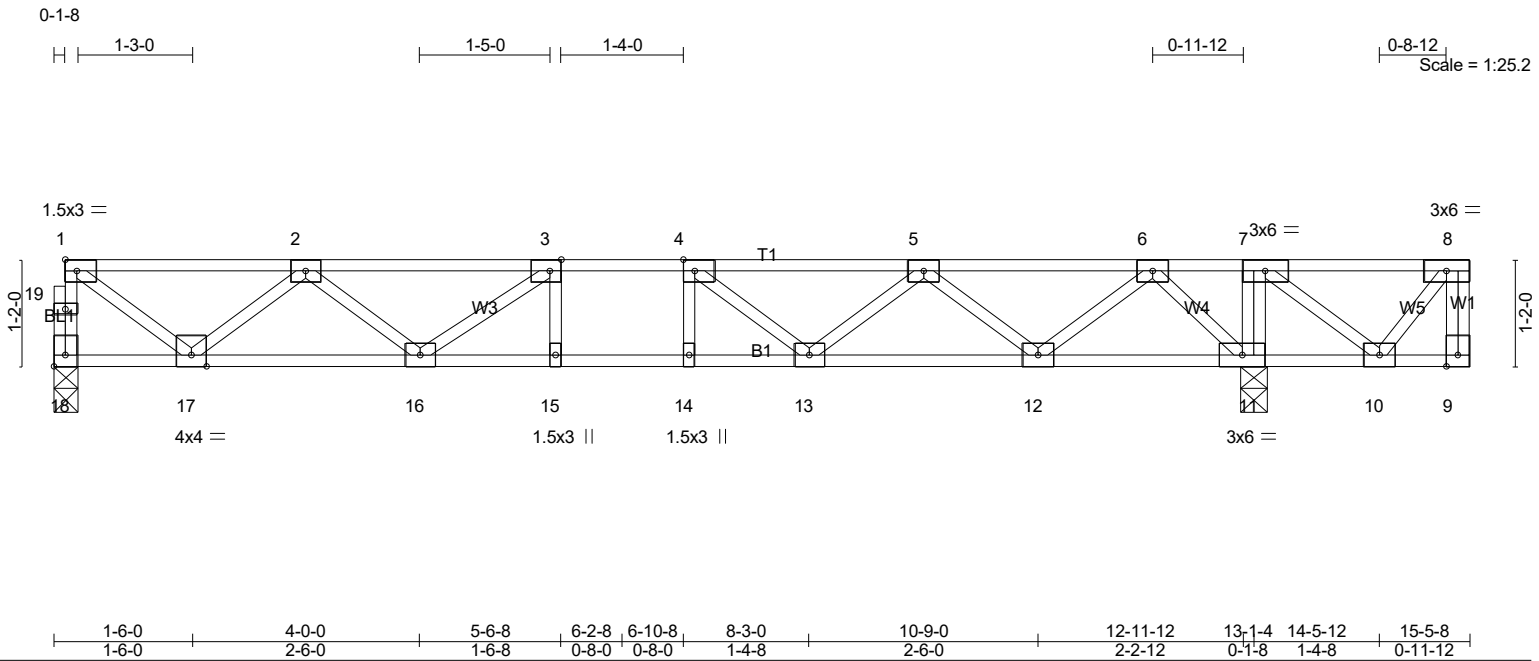

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [18:Edge,0-1-8]

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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-05	Floor Girder	1	1	Job Reference (optional) **# 48855**

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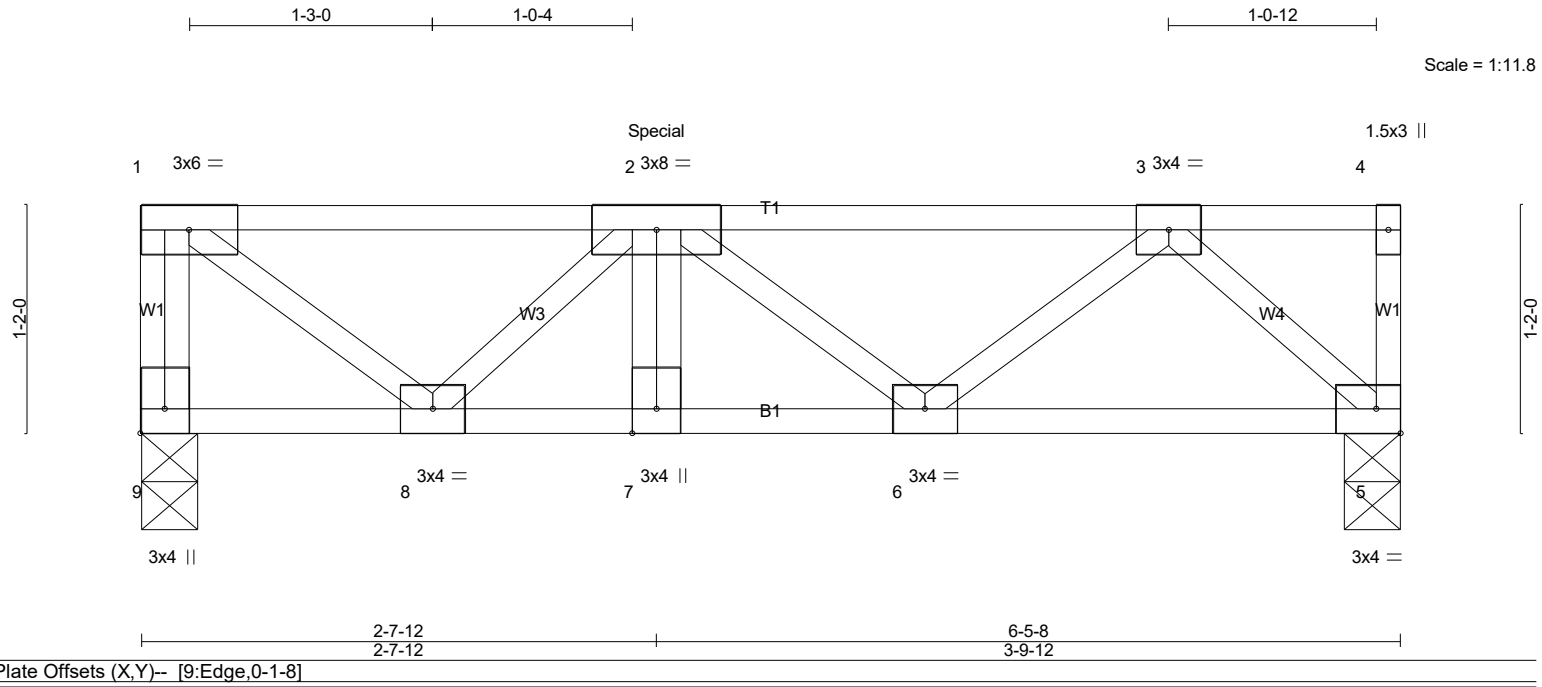

Plate Offsets (X,Y)-- [9:Edge,0-1-8]

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)	-0.01	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.01	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 37 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) 9=319/0-3-8 (min. 0-1-8), 5=328/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-313/0, 1-2=-283/33, 2-3=-422/0
BOT CHORD 7-8=-76/502, 6-7=-76/502, 5-6=0/318
WEBS 1-8=-41/356, 2-8=-295/58, 3-5=-434/0

NOTES- (6)
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.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 447 lb up at 2-7-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
5) 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: 5-9=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 2=43(F)

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-06	Floor	1	1	# 48855
					Job Reference (optional)

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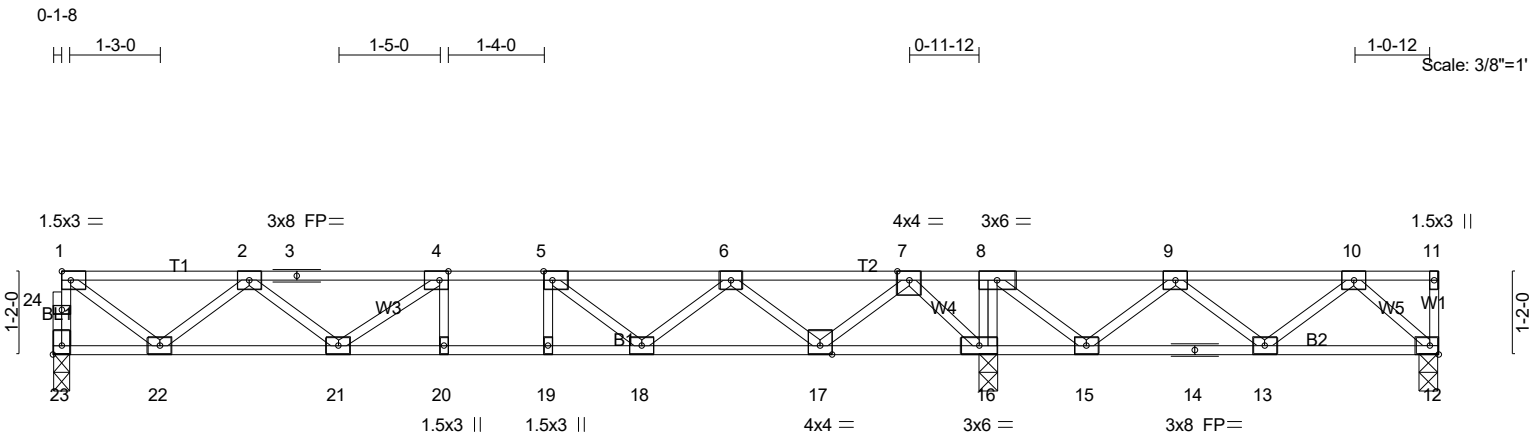

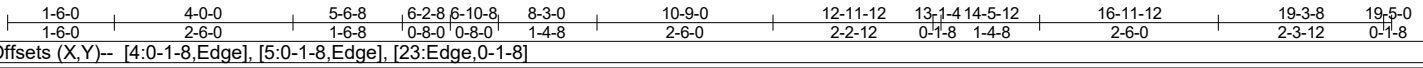

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [23:Edge,0-1-8]

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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-07	Floor	1	1	# 48855
					Job Reference (optional)

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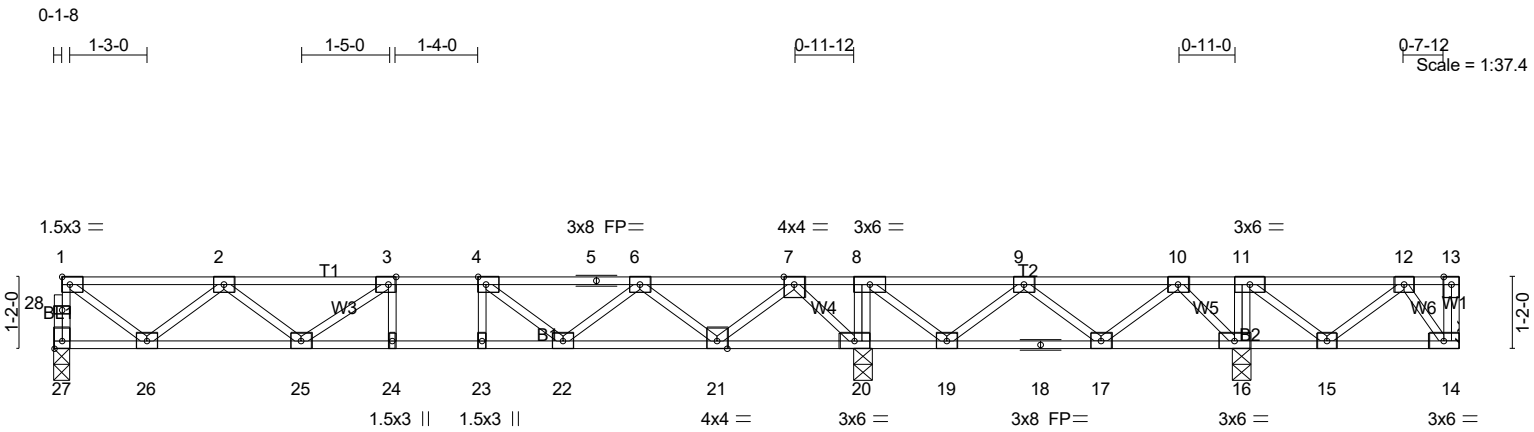

1-6-0	4-0-0	5-6-8	6-2-8	6-10-8	8-3-0	10-9-0	12-11-12	13-1-4	14-5-12	16-11-12	19-1-12	19-3-4	20-7-12	22-6-8	22-9-8
1-6-0	2-6-0	1-6-8	0-8-0	0-8-0	1-4-8	2-6-0	2-2-12	0-1-8	1-4-8	2-6-0	2-2-0	0-1-8	1-4-8	1-10-12	0-3-0

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	24-25	>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=602(LC 5), 20=1391(LC 3), 16=554(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-596/0, 1-28=-595/0, 1-2=-663/0, 2-3=-1436/0, 3-4=-1601/0, 4-5=-1229/0, 5-6=-1229/0, 7-8=0/1335, 8-9=0/903, 9-10=-155/305
BOT CHORD 25-26=0/1240, 24-25=0/1601, 23-24=0/1601, 22-23=0/1601, 21-22=0/882, 20-21=-564/0, 19-20=-1335/0, 18-19=-570/203, 17-18=-570/203
WEBS 8-20=-620/0, 11-16=-312/0, 1-26=0/801, 2-26=-751/0, 2-25=0/257, 3-25=-280/0, 4-22=-510/0, 6-22=0/462, 6-21=-873/0, 7-21=0/912, 7-20=-1124/0, 8-19=0/707, 9-19=-648/0, 9-17=-75/345, 10-17=-302/113, 10-16=-361/288, 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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-08	Floor	3	1	Job Reference (optional) **# 48855**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue May 21 13:59:07 2024 Page 1
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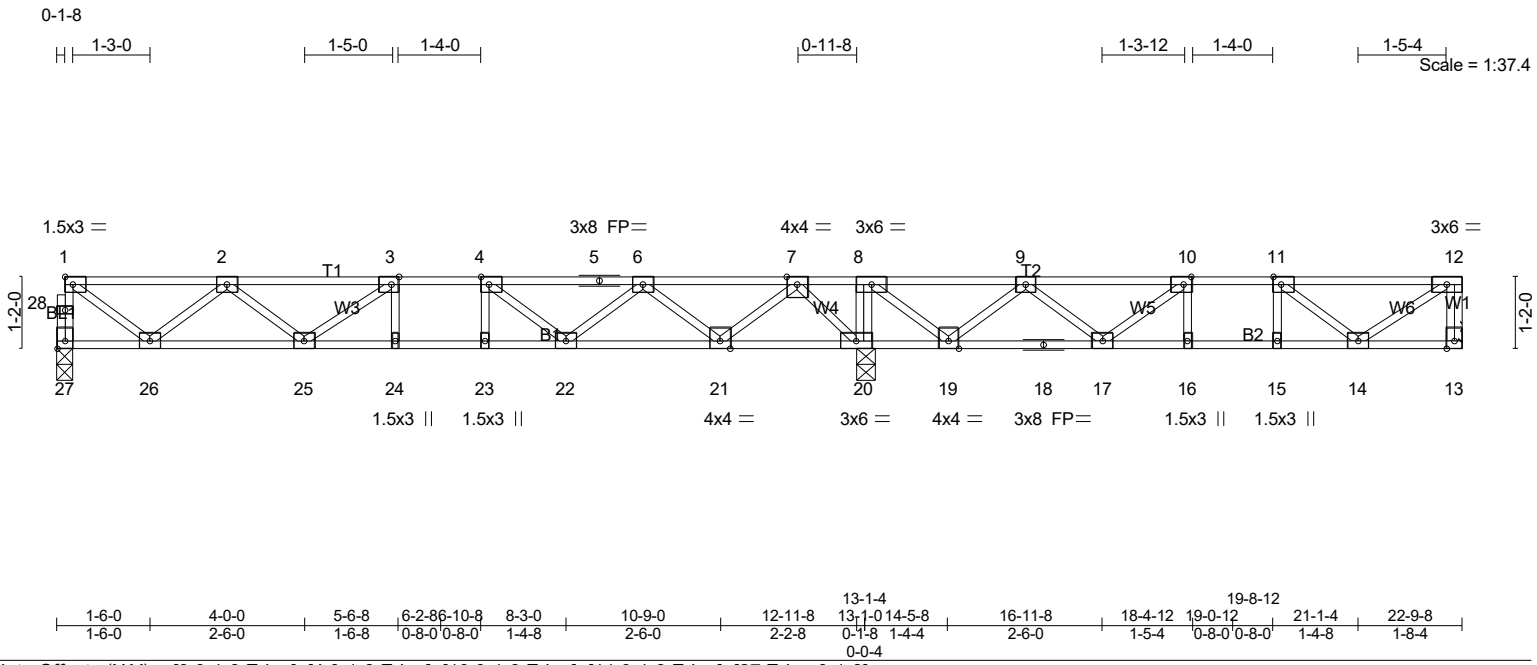

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [27:Edge,0-1-8]

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	0.54	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=591/0-3-0 (min. 0-1-8), 13=370/Mechanical, 20=1512/0-3-8 (min. 0-1-8)
Max Grav 27=622(LC 10), 13=443(LC 4), 20=1512(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-616/0, 1-28=-615/0, 12-13=-434/0, 1-2=-689/0, 2-3=-1508/0, 3-4=-1714/0, 4-5=-1380/0, 5-6=-1380/0, 6-7=-420/281, 7-8=0/1473, 8-9=0/785, 9-10=-672/315, 10-11=-863/85, 11-12=-474/6
BOT CHORD 25-26=0/1287, 24-25=0/1714, 23-24=0/1714, 22-23=0/1714, 21-22=-72/1059, 20-21=-687/0, 19-20=-1473/0, 18-19=-507/462, 17-18=-507/462, 16-17=-85/863, 15-16=-85/863, 14-15=-85/863
WEBS 8-20=-737/0, 1-26=0/832, 2-26=-779/0, 2-25=0/288, 3-25=-261/40, 4-22=-562/0, 6-22=0/483, 6-21=-891/0, 7-21=0/930, 7-20=-1090/0, 8-19=0/904, 9-19=-828/0, 9-17=0/398, 10-17=-467/0, 11-14=-496/101, 12-14=-7/570

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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-10	Floor	12	1	Job Reference (optional) **# 48855**

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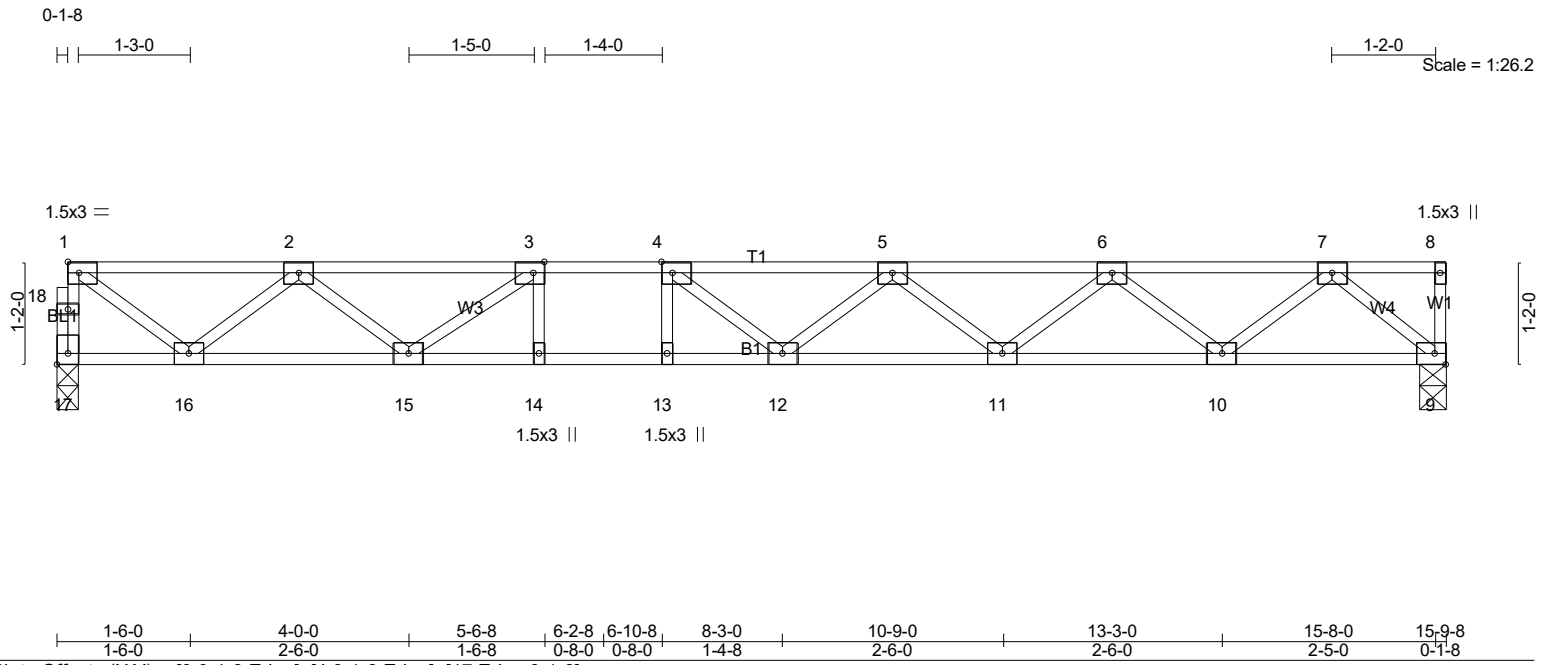

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [17:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.15	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.20	12-13	>940	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	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 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) 17=568/0-3-0 (min. 0-1-8), 9=572/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-567/0, 1-18=-566/0, 1-2=-659/0, 2-3=-1574/0, 3-4=-2032/0, 4-5=-2106/0, 5-6=-1842/0, 6-7=-1123/0
BOT CHORD 15-16=0/1228, 14-15=0/2032, 13-14=0/2032, 12-13=0/2032, 11-12=0/2093, 10-11=0/1580, 9-10=0/643
WEBS 1-16=0/798, 2-16=-741/0, 2-15=0/451, 3-15=-586/0, 5-11=-326/0, 6-11=0/341, 6-10=-595/0, 7-10=0/625, 7-9=-842/0

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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-12	Floor	2	1	Job Reference (optional) **# 48855**

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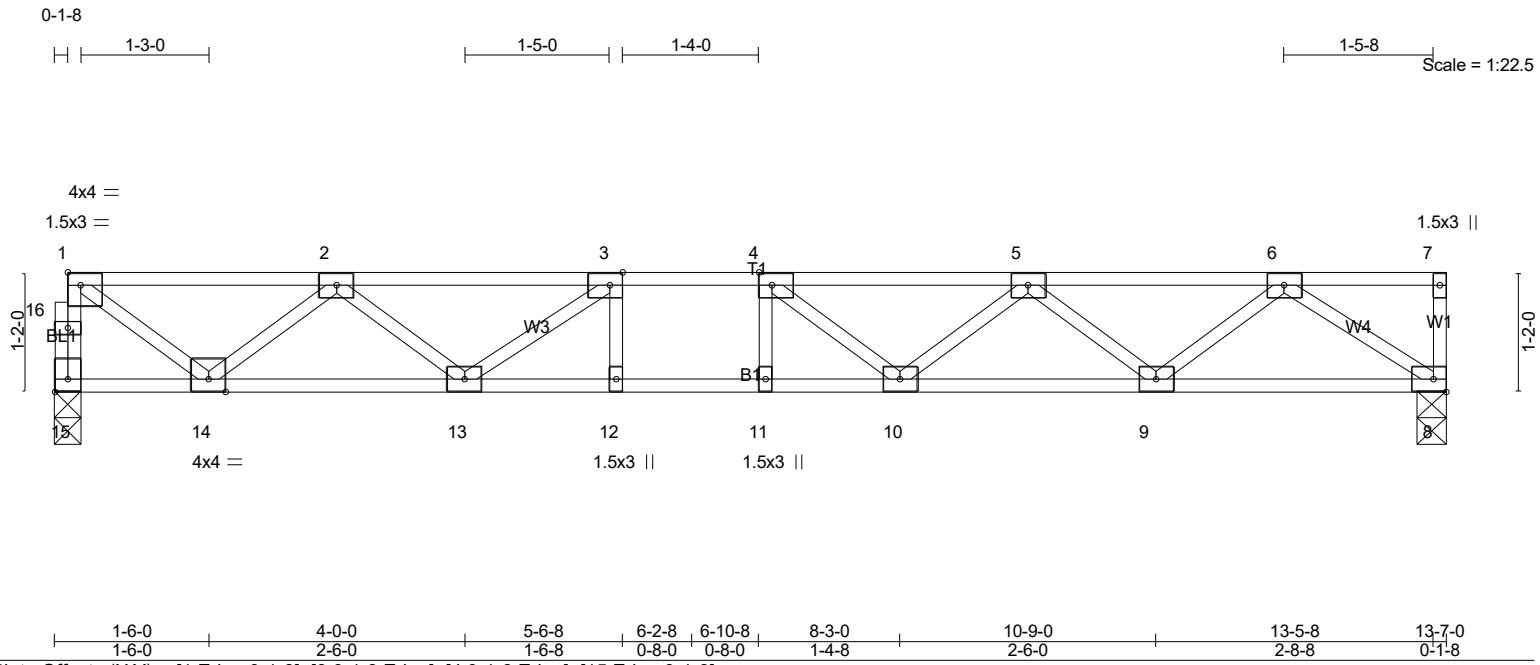

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.11	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.15	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	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=731/0-3-0 (min. 0-1-8), 8=737/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-727/0, 1-16=-726/0, 1-2=-830/0, 2-3=-1911/0, 3-4=-2344/0, 4-5=-2219/0, 5-6=-1527/0
BOT CHORD 13-14=0/1549, 12-13=0/2344, 11-12=0/2344, 10-11=0/2344, 9-10=0/2043, 8-9=0/979
WEBS 1-14=0/1004, 2-14=-936/0, 2-13=0/471, 3-13=-600/0, 4-10=-349/69, 5-10=0/309, 5-9=-672/0, 6-9=0/713, 6-8=-1186/0

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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-14	FLOOR	8	1	Job Reference (optional) **# 48855**

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1-3-0 | 0-8-12 | 1-5-4 | 1-4-0 | 1-5-0 | 0-1-8

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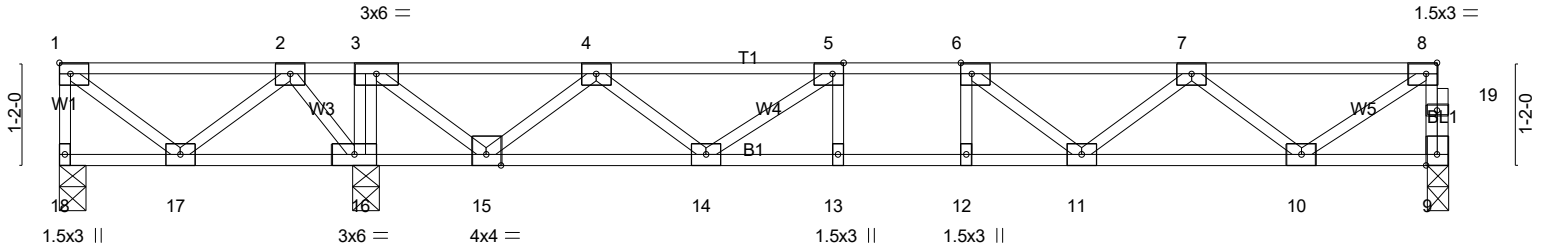

1-4-8	3-4-4	3-5-12	4-10-4	7-4-4	8-11-0	9-7-0	10-3-0	11-7-8	14-1-8	15-9-8
1-4-8	1-11-12	0-1-8	1-4-8	2-6-0	1-6-12	0-8-0	0-8-0	1-4-8	2-6-0	1-8-0

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,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	0.43	Vert(LL)	-0.07	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.09	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.01	9	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: 16-17,15-16.

REACTIONS. (lb/size) 18=-159/0-3-8 (min. 0-1-8), 9=567/0-3-0 (min. 0-1-8), 16=1302/0-3-8 (min. 0-1-8)
Max Uplift18=-288(LC 4)
Max Grav 18=87(LC 3), 9=569(LC 4), 16=1302(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-82/292, 9-19=-562/0, 8-19=-561/0, 1-2=0/396, 2-3=0/1084, 3-4=0/326, 4-5=-906/0, 5-6=-1403/0, 6-7=-1338/0, 7-8=-679/0
BOT CHORD 16-17=-792/0, 15-16=-1084/0, 14-15=0/502, 13-14=0/1403, 12-13=0/1403, 11-12=0/1403, 10-11=0/1205
WEBS 3-16=-806/0, 1-17=-505/0, 2-17=0/515, 2-16=-642/0, 3-15=0/1045, 4-15=-957/0, 4-14=0/529, 5-14=-609/0, 7-10=-684/0, 8-10=0/790

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) 18=288.
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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-15	Floor Supported Gable	1	1	Job Reference (optional) **# 48855**

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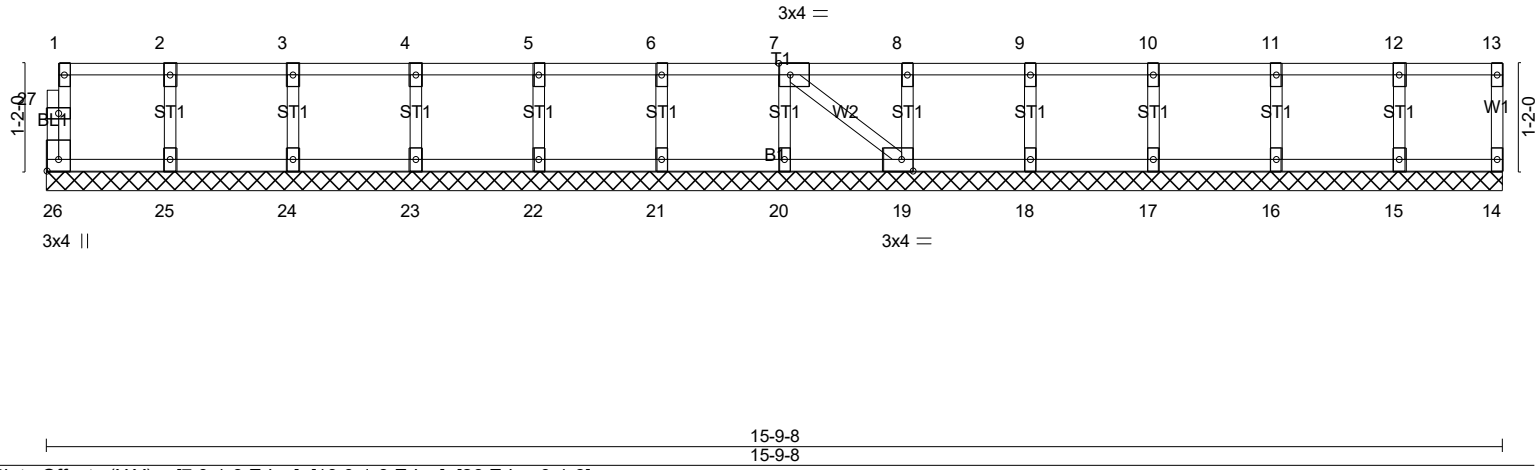

15-9-8
15-9-8

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 15-9-8.
(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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-16	Floor Supported Gable	1	1	Job Reference (optional) **# 48855**

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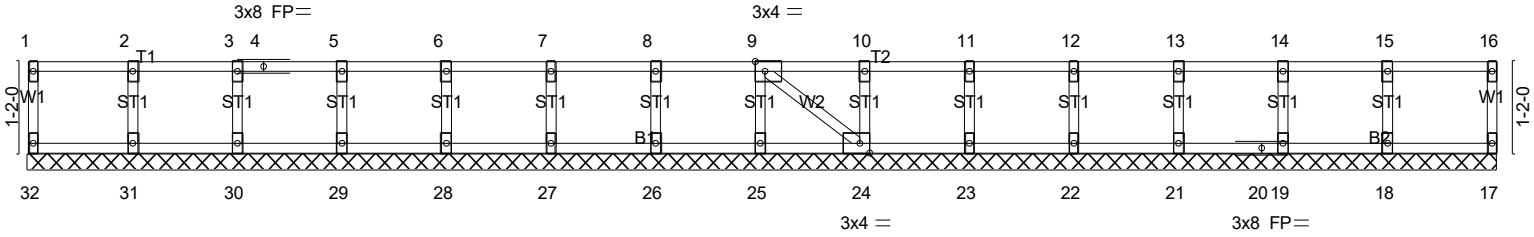

18-8-12
18-8-12

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 18-8-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-17	Floor	9	1	Job Reference (optional) **# 48855**

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1-3-0 | 0-11-10 | 1-4-0 | 1-1-2

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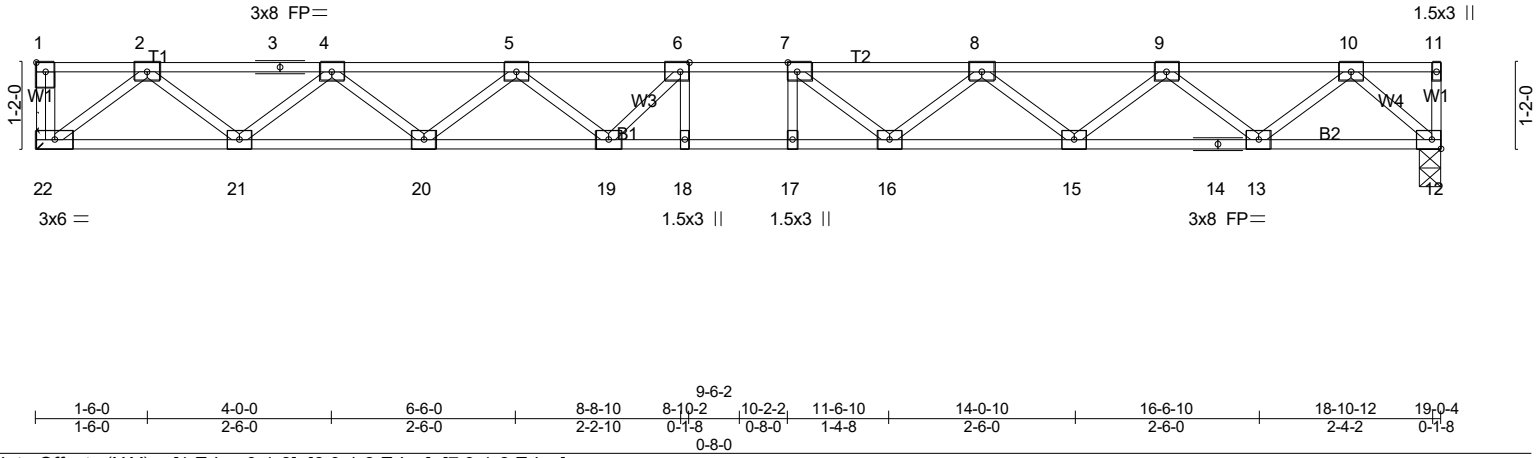

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge]

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	17	>926	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.34	17-18	>673	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 95 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) 22=691/Mechanical, 12=691/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1475/0, 3-4=-1475/0, 4-5=-2448/0, 5-6=-2979/0, 6-7=-3109/0, 7-8=-2945/0, 8-9=-2382/0, 9-10=-1368/0
BOT CHORD 21-22=0/863, 20-21=0/2064, 19-20=0/2811, 18-19=0/3109, 17-18=0/3109, 16-17=0/3109, 15-16=0/2768, 14-15=0/1976, 13-14=0/1976, 12-13=0/739
WEBS 2-22=-1083/0, 2-21=0/796, 4-21=-767/0, 4-20=0/499, 5-20=-474/0, 5-19=0/321, 6-19=-366/80, 7-16=-382/56, 8-16=0/317, 8-15=-504/0, 9-15=0/528, 9-13=-791/0, 10-13=0/819, 10-12=-994/0

NOTES- (5)
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.

LOAD CASE(S) Standard

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-18	Floor	4	1	Job Reference (optional) **# 48855**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue May 21 13:59:10 2024 Page 1
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1-3-0 0-7-0 1-4-10 1-4-0 1-1-2

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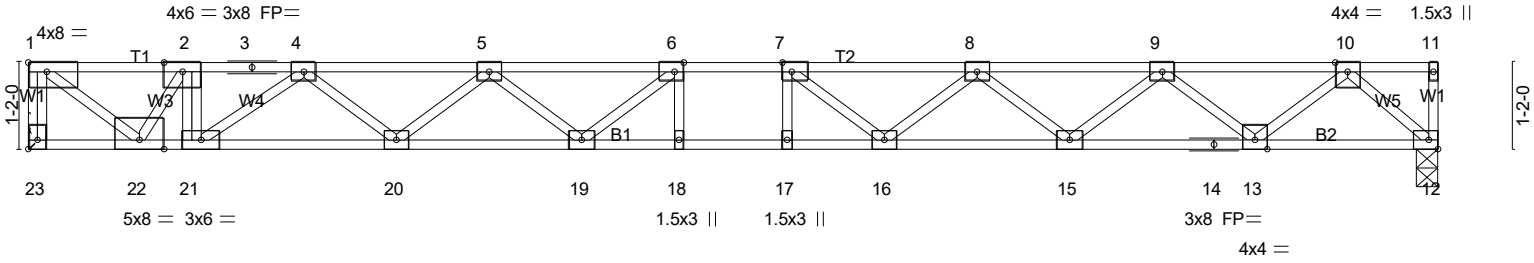

2-2-8 8-10-2 9-6-2 10-2-2 19-0-4
2-2-8 6-7-10 0-8-0 0-8-0 8-10-2

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [23:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.24	17-18	>924	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.42	18	>533	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.91	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=1224/Mechanical, 12=757/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-1215/0, 1-2=-1522/0, 2-3=-2307/0, 3-4=-2307/0, 4-5=-3246/0, 5-6=-3664/0, 6-7=-3710/0, 7-8=-3416/0, 8-9=-2692/0, 9-10=-1521/0
BOT CHORD 21-22=0/2307, 20-21=0/2900, 19-20=0/3572, 18-19=0/3710, 17-18=0/3710, 16-17=0/3710, 15-16=0/3152, 14-15=0/2210, 13-14=0/2210, 12-13=0/811
WEBS 2-21=0/424, 7-16=-551/0, 8-16=0/432, 8-15=-598/0, 9-15=0/628, 9-13=-897/0, 10-13=0/923, 10-12=-1092/0, 1-22=0/1910, 2-22=-1395/0, 5-20=-425/0, 4-20=0/450, 4-21=-721/0

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: 2=-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: 2=-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: 2=-600

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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) 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: 2=-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: 2=-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: 2=-600

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-19	Floor	2	1	Job Reference (optional) **# 48855**

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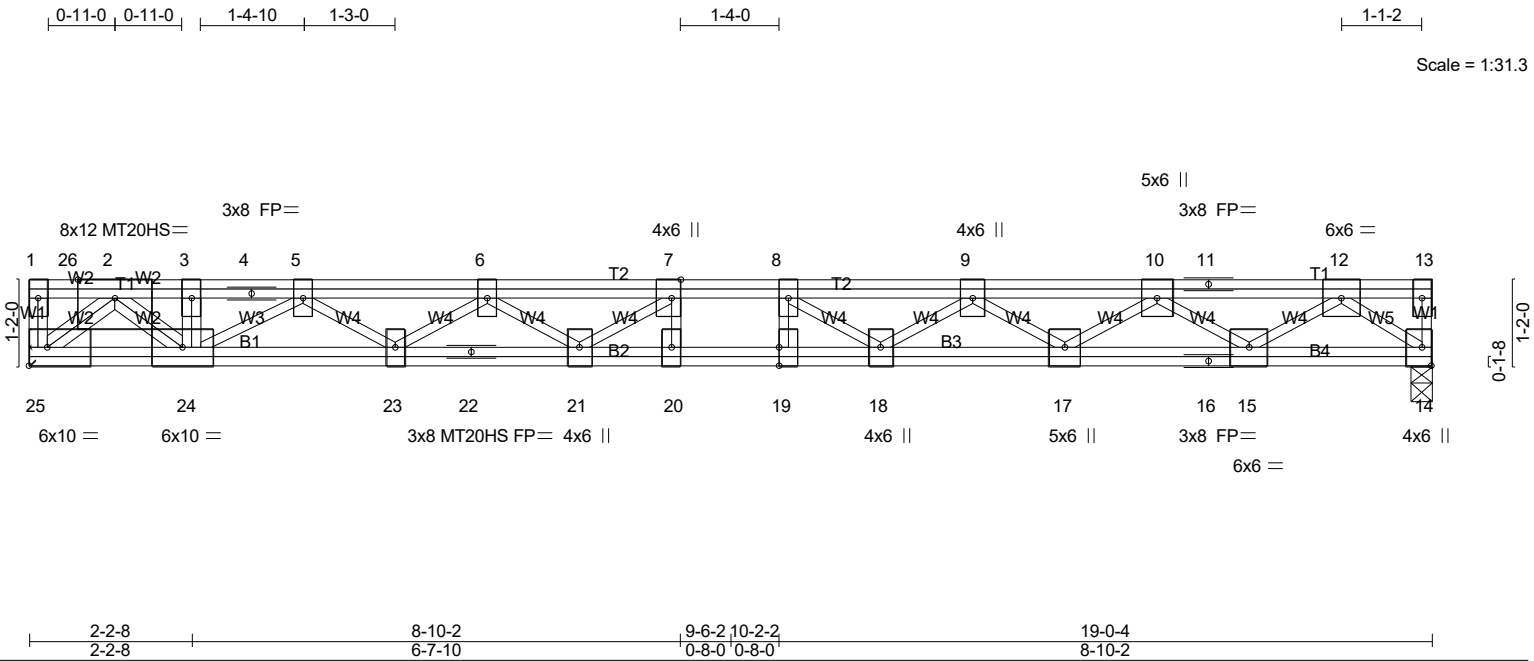

Plate Offsets (X,Y)-- [7:0-3-0,Edge], [19:0-3-0,0-0-0]

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	0.36	Vert(LL)	-0.16	19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.43	20-21	>529	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.06	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=3409/Mechanical, 14=957/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-376/0, 2-3=-6025/0, 3-4=-6105/0, 4-5=-6105/0, 5-6=-6669/0, 6-7=-6578/0, 7-8=-6203/0, 8-9=-5446/0, 9-10=-4078/0, 10-11=-2226/0, 11-12=-2226/0
BOT CHORD 24-25=0/3409, 23-24=0/6544, 22-23=0/6775, 21-22=0/6775, 20-21=0/6203, 19-20=0/6203, 18-19=0/6203, 17-18=0/4848, 16-17=0/3274, 15-16=0/3274, 14-15=0/1159
WEBS 3-24=-2135/0, 7-20=-361/0, 8-19=0/373, 8-18=-1108/0, 9-18=0/837, 9-17=-955/0, 10-17=0/997, 10-15=-1300/0, 12-15=0/1323, 12-14=-1479/0, 2-25=-4541/0, 2-24=0/3537, 7-21=0/748, 6-21=-444/0, 5-24=-511/0

NOTES- (8)
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, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
6) 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-7, 1-3=-157, 3-13=-67
Concentrated Loads (lb)
Vert: 3=-2188 26=-610
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-7, 1-3=-157, 3-13=-67
Concentrated Loads (lb)
Vert: 3=-2188 26=-610
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-7, 1-3=-157, 3-8=-67, 8-13=-13

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Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 3=-2188 26=-610
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-7, 1-3=-103, 3-7=-13, 7-13=-67
Concentrated Loads (lb)
Vert: 3=-2188 26=-610
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-7, 1-3=-157, 3-8=-67, 8-13=-13
Concentrated Loads (lb)
Vert: 3=-2188 26=-610
6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-7, 1-3=-103, 3-7=-13, 7-13=-67
Concentrated Loads (lb)
Vert: 3=-2188 26=-610

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-20	Floor Supported Gable	1	1	Job Reference (optional) **# 48855**

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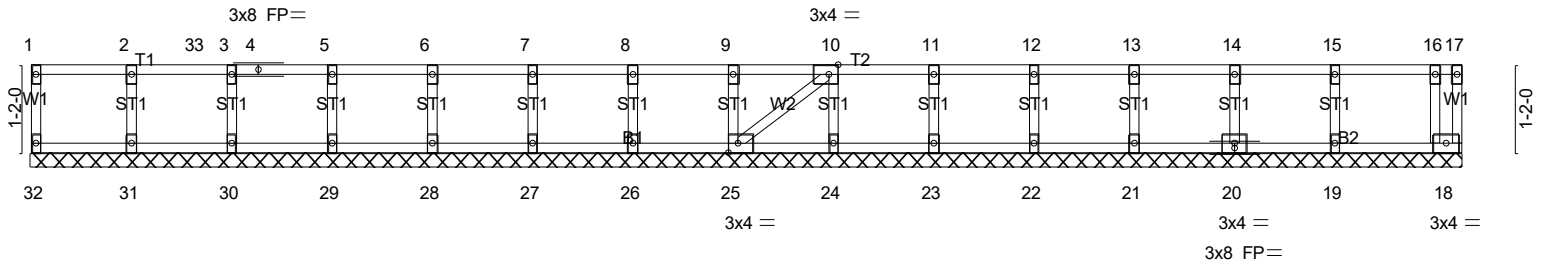

Plate Offsets (X,Y)-- [10:0-1-8,Edge], [25:0-1-8,Edge]

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	0.62	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	NO	WB	0.14	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 19-0-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 18, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19 except 31=387(LC 1), 30=615(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-31=-372/0, 3-30=-602/0

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) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
6) 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-32=-10, 1-17=-100
Concentrated Loads (lb)
Vert: 33=-600
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-32=-10, 1-17=-100
Concentrated Loads (lb)
Vert: 33=-600

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-21	Floor Supported Gable	1	1	Job Reference (optional) **# 48855**

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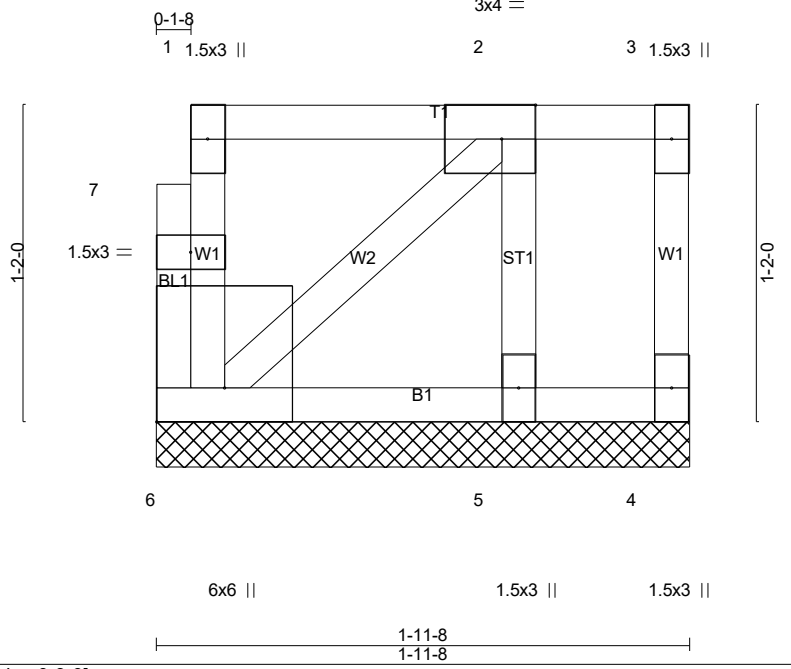

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [6:Edge,0-3-0]

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	0.05	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		n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 13 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 1-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=8/1-11-8 (min. 0-1-8), 6=50/1-11-8 (min. 0-1-8), 5=131/1-11-8 (min. 0-1-8)

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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-22	Floor	3	1	**# 48855**
					Job Reference (optional)

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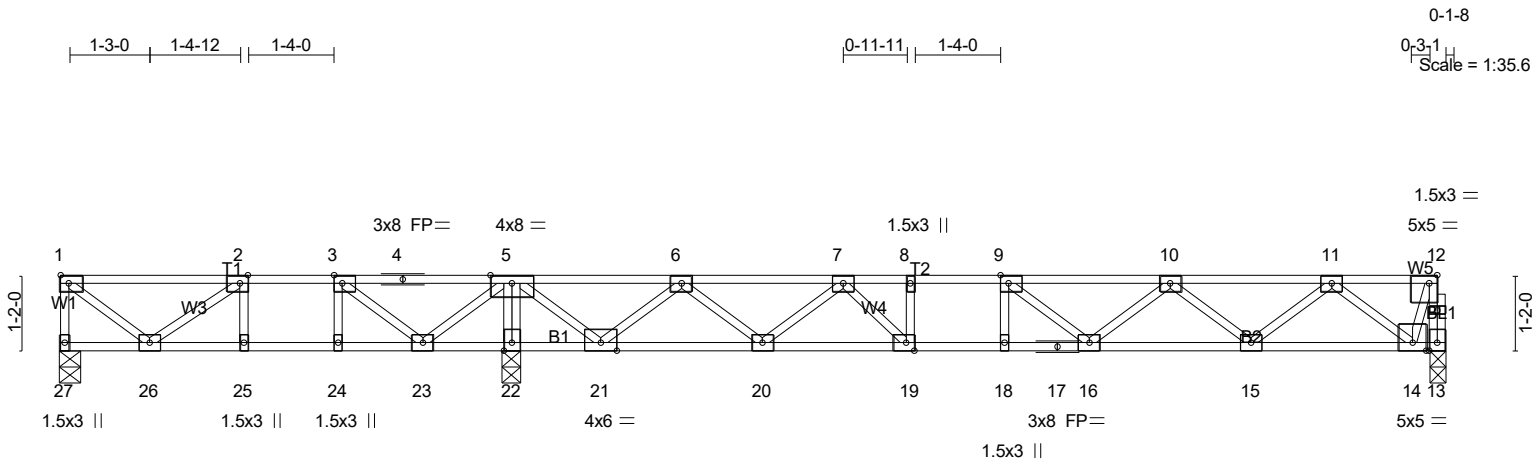

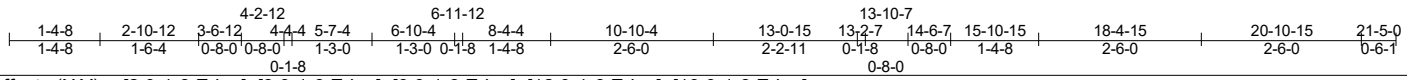

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:0-1-8,Edge], [12:0-1-8,Edge], [19:0-1-8,Edge]

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	16-18	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.17	16-18	>999	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: 109 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=222/0-3-8 (min. 0-1-8), 13=710/0-3-0 (min. 0-1-8), 22=1403/0-3-8 (min. 0-1-8)
Max Uplift27=-46(LC 4)
Max Grav27=327(LC 3), 13=724(LC 7), 22=1403(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-27=-328/37, 12-13=-729/0, 1-2=-259/94, 2-3=-475/327, 3-4=-74/687, 4-5=-74/687, 6-7=-1459/0, 7-8=-2233/0, 8-9=-2233/0, 9-10=-2168/0, 10-11=-1535/0
BOT CHORD 25-26=-327/475, 24-25=-327/475, 23-24=-327/475, 22-23=-1130/0, 21-22=-1130/0, 20-21=0/961, 19-20=0/1956, 18-19=0/2233, 17-18=0/2233, 16-17=0/2233, 15-16=0/2024, 14-15=0/1020
WEBS 3-24=0/261, 8-19=-250/0, 5-22=-1348/0, 1-26=-120/330, 2-26=-266/286, 3-23=-768/0, 5-23=0/626, 5-21=0/1202, 6-21=-1111/0, 6-20=0/691, 7-20=-698/0, 7-19=0/575, 9-16=-250/129, 10-16=0/259, 10-15=-637/0, 11-15=0/669, 11-14=-1010/0, 12-14=0/712

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 46 lb uplift at joint 27.
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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-23	Floor	2	1	# 48855
					Job Reference (optional)

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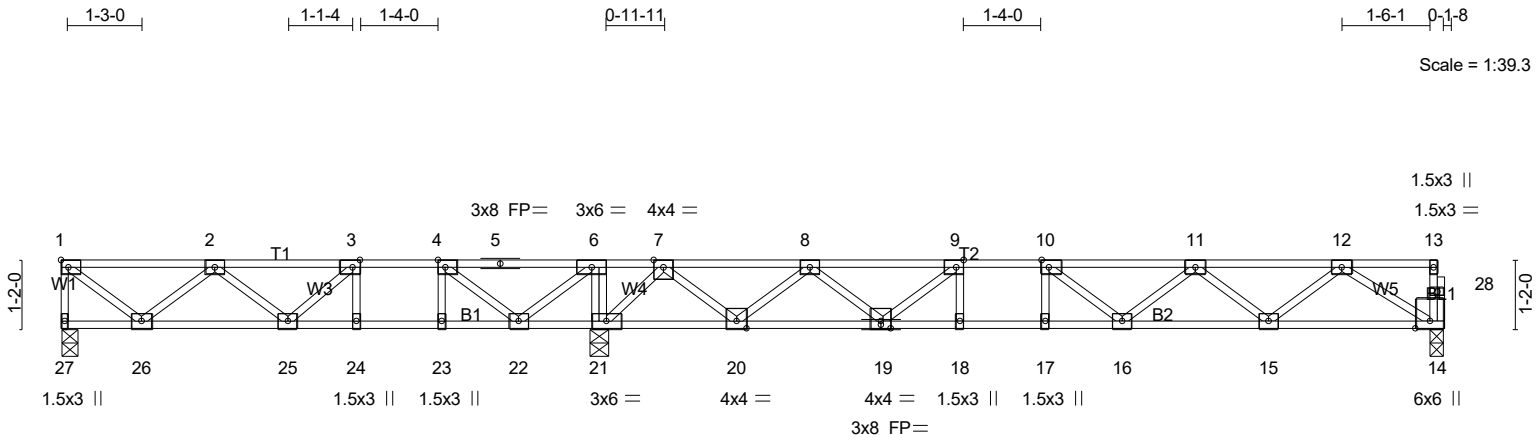

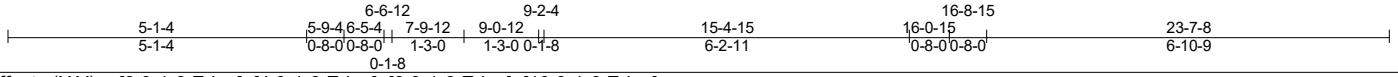

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge]

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	0.53	Vert(LL)	-0.12	16-17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.16	16-17	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	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) 27=360/0-3-8 (min. 0-1-8), 21=1522/0-3-8 (min. 0-1-8), 14=690/0-3-0 (min. 0-1-8)
Max Grav 27=453(LC 3), 21=1522(LC 1), 14=701(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-27=-445/2, 1-2=-438/22, 2-3=-859/198, 3-4=-763/443, 4-5=-156/835, 5-6=-156/835, 6-7=0/1283, 7-8=-539/0, 8-9=-1664/0, 9-10=-2128/0, 10-11=-2083/0, 11-12=-1491/0
BOT CHORD 25-26=-58/842, 24-25=-443/763, 23-24=-443/763, 22-23=-443/763, 21-22=-1283/0, 20-21=-429/0, 19-20=0/1252, 18-19=0/2128, 17-18=0/2128, 16-17=0/2128, 15-16=0/1962, 14-15=0/990
WEBS 3-24=-303/0, 4-23=0/318, 6-21=-653/0, 1-26=-28/560, 2-26=-526/47, 3-25=0/406, 4-22=-1008/0, 6-22=0/832, 9-19=-655/0, 8-19=0/565, 8-20=-958/0, 7-20=0/998, 7-21=-1230/0, 11-15=-612/0, 12-15=0/652, 12-14=-1171/0

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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-24	Floor	4	1	Job Reference (optional) **# 48855**

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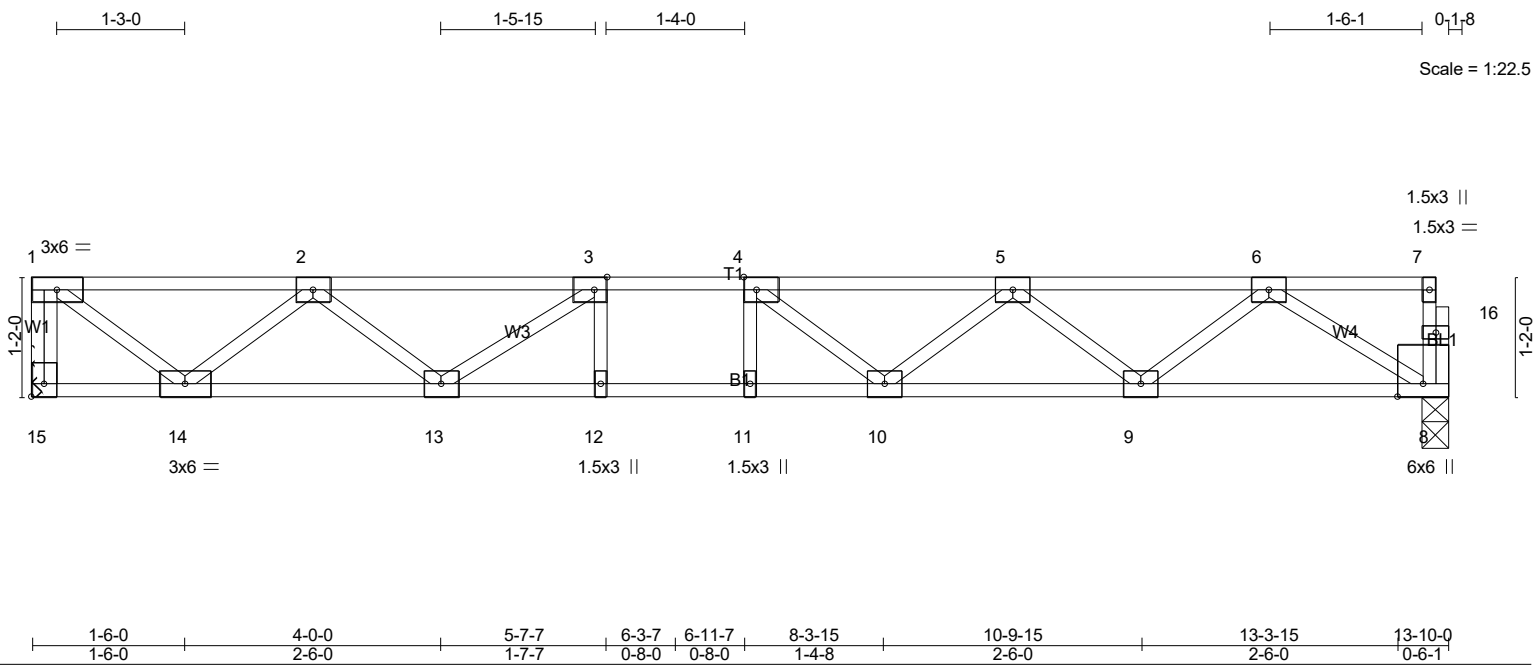

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.12	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.16	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 70 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=747/Mechanical, 8=741/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-742/0, 1-2=-843/0, 2-3=-1948/0, 3-4=-2410/0, 4-5=-2287/0, 5-6=-1600/0
BOT CHORD 13-14=0/1579, 12-13=0/2410, 11-12=0/2410, 10-11=0/2410, 9-10=0/2114, 8-9=0/1053
WEBS 1-14=0/1057, 2-14=-959/0, 2-13=0/481, 3-13=-623/0, 4-10=-353/77, 5-10=0/311, 5-9=-669/0, 6-9=0/712, 6-8=-1246/0

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) 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

5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-25	Floor	5	1	Job Reference (optional) **# 48855**

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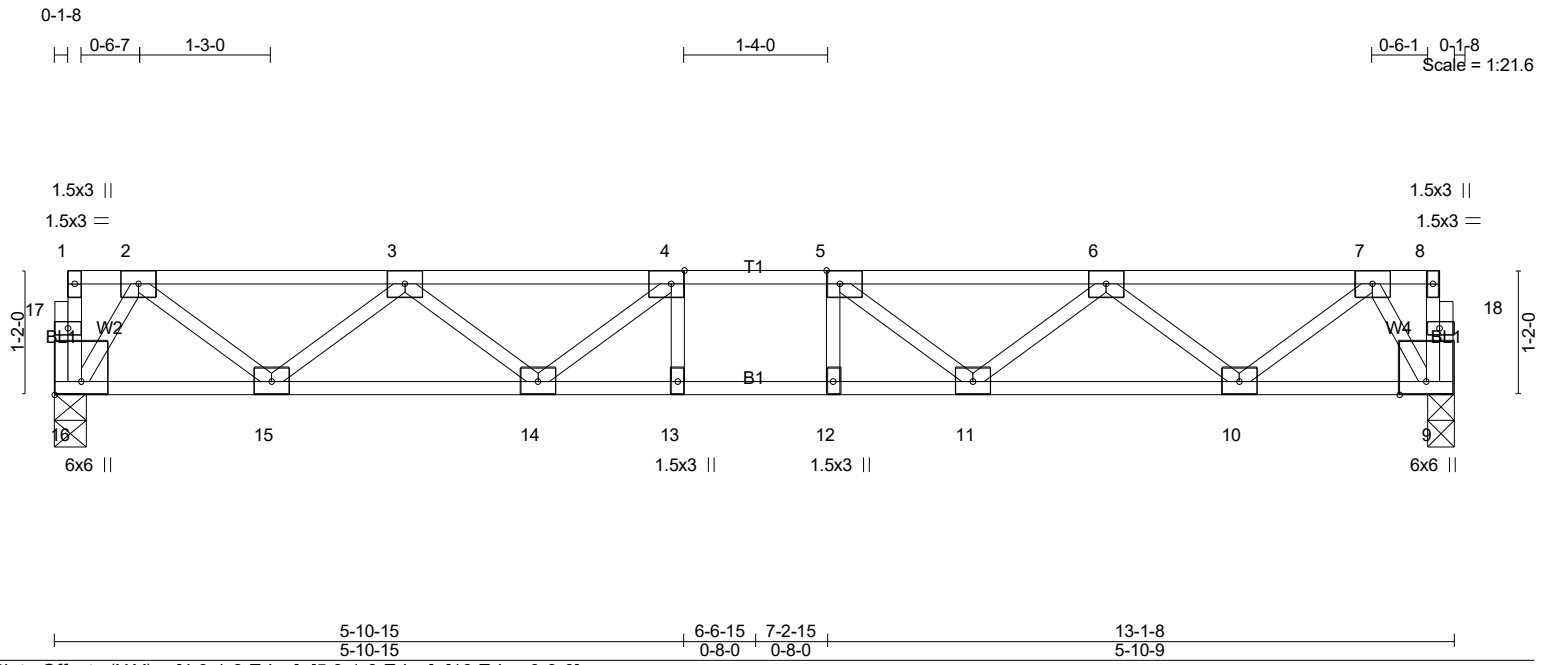


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [16:Edge,0-3-0]

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	0.29	Vert(LL)	-0.09	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.12	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.03	9	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)

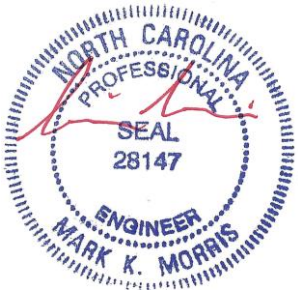
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=702/0-3-8 (min. 0-1-8), 9=702/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1078/0, 3-4=-1933/0, 4-5=-2183/0, 5-6=-1926/0, 6-7=-1063/0
BOT CHORD 15-16=0/459, 14-15=0/1668, 13-14=0/2183, 12-13=0/2183, 11-12=0/2183, 10-11=0/1657, 9-10=0/440
WEBS 4-14=-439/0, 3-14=0/377, 3-15=-768/0, 2-15=0/806, 2-16=-860/0, 5-11=-445/0, 6-11=0/381, 6-10=-773/0, 7-10=0/811, 7-9=-855/0

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



5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC
24-4324-F02	F2-26	GABLE	1	1	# 48855
					Job Reference (optional)

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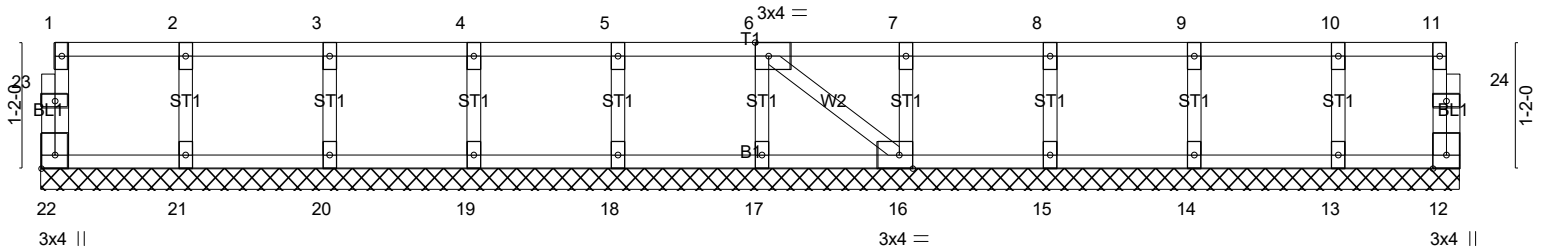
0-1-8 0-1-8

Scale = 1:21.3



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	13-1-8
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	1-1-8

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [22:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 58 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 13-1-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES- (6)
1) 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

5/20/2024