Mark Morris, P.E.

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843 209-5784, Fax (866)-213-4614

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

AST #: 40004
JOB: 23-4637-F02
JOB NAME: LOT 0.0046 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.
11 Truss Design(s)

Trusses:
F01, F02, F02A, F03, F04, F05, F06, F07, F08, F11, F12

7/17/2023
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 Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F01	Floor Supported Gable	1	1	Job Reference (optional) **# 40004**

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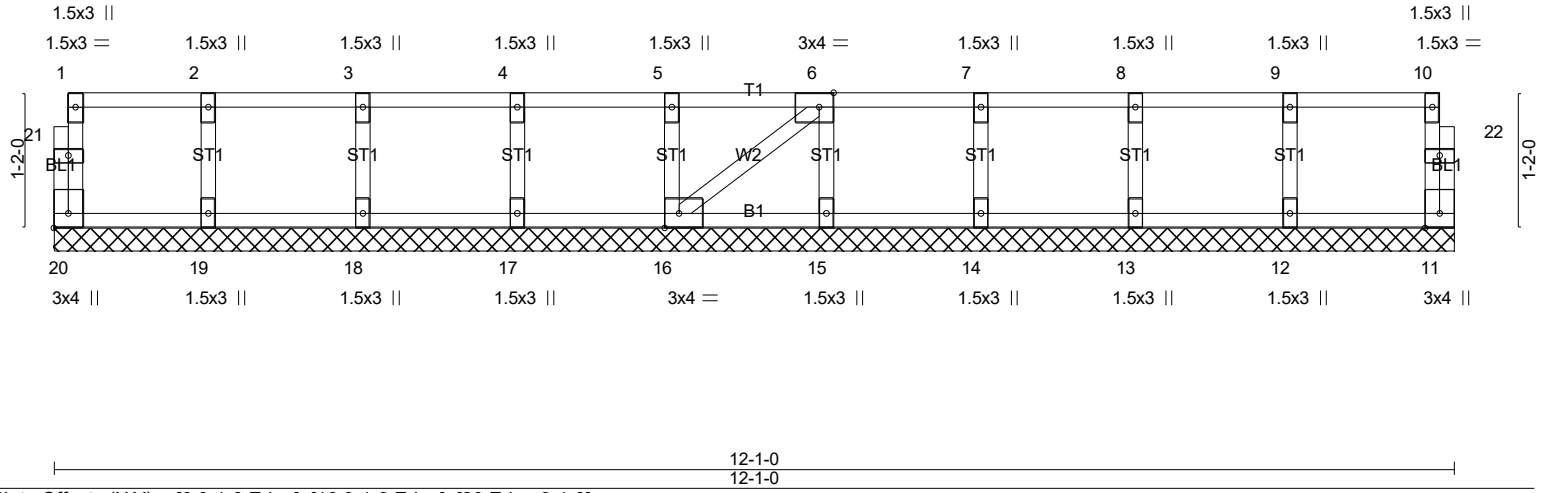

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [20:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 54 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 12-1-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

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

LOAD CASE(S) Standard

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F02	Floor	4	1	Job Reference (optional) **# 40004**

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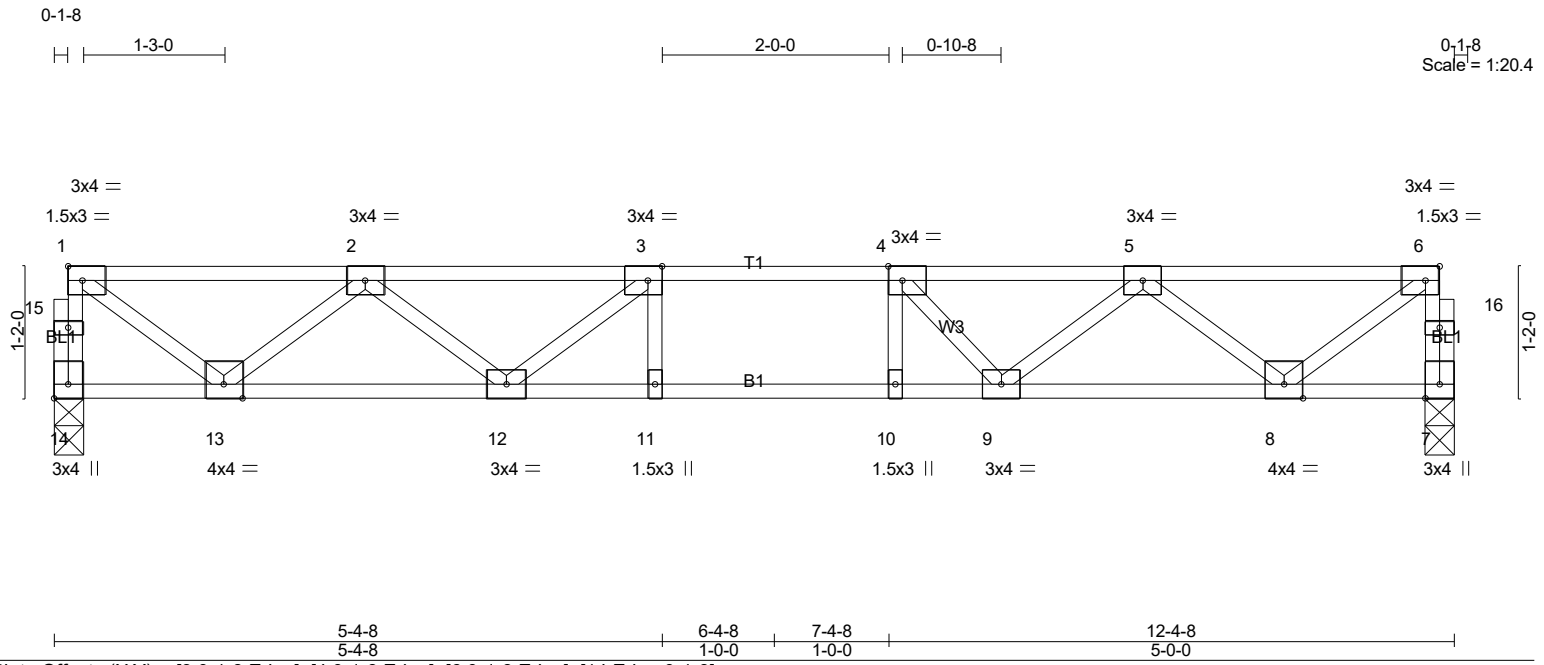

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.09	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.12	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 62 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) 14=661/0-3-0 (min. 0-1-8), 7=661/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-655/0, 1-15=-654/0, 7-16=-657/0, 6-16=-656/0, 1-2=-736/0, 2-3=-1658/0, 3-4=-1908/0, 4-5=-1672/0, 5-6=-732/0
BOT CHORD 12-13=0/1377, 11-12=0/1908, 10-11=0/1908, 9-10=0/1908, 8-9=0/1364
WEBS 1-13=0/890, 2-13=-834/0, 2-12=0/391, 3-12=-443/0, 6-8=0/885, 5-8=-822/0, 5-9=0/440, 4-9=-480/0

NOTES- (3)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F02A	FLOOR	1	1	Job Reference (optional) **# 40004**

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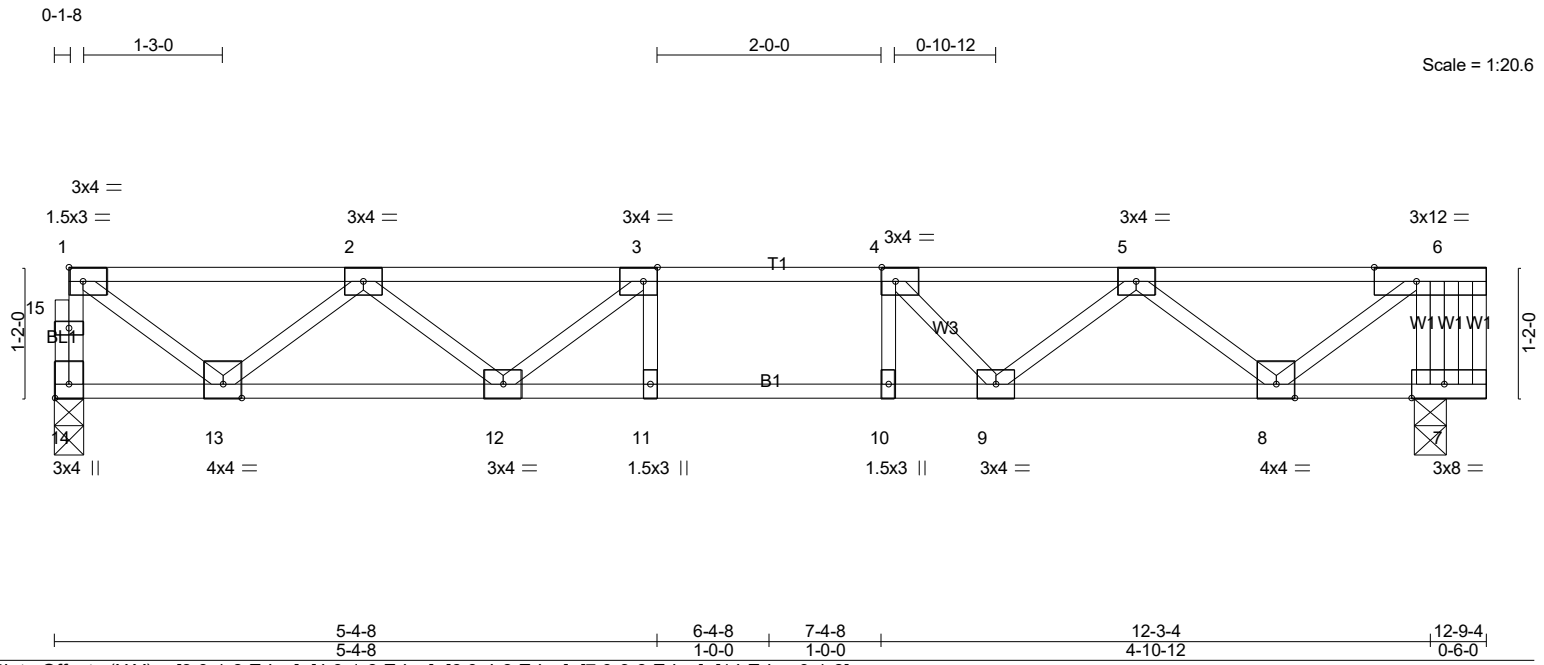

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-4-8,Edge], [7:0-3-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.09	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.12	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.02	7	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) 14=672/0-3-0 (min. 0-1-8), 7=978/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-667/0, 1-15=-666/0, 6-7=-972/0, 1-2=-751/0, 2-3=-1701/0, 3-4=-1975/0, 4-5=-1759/0, 5-6=-833/0
BOT CHORD 12-13=0/1404, 11-12=0/1975, 10-11=0/1975, 9-10=0/1975, 8-9=0/1472
WEBS 1-13=0/908, 2-13=-850/0, 2-12=0/409, 3-12=-470/0, 4-9=-464/0, 5-9=0/427, 5-8=-832/0, 6-8=0/1002

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) 300 lb down at 12-5-8 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: 7-14=-10, 1-6=-100
Concentrated Loads (lb)
Vert: 6=-300(F)

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F03	Floor	1	1	Job Reference (optional) **# 40004**

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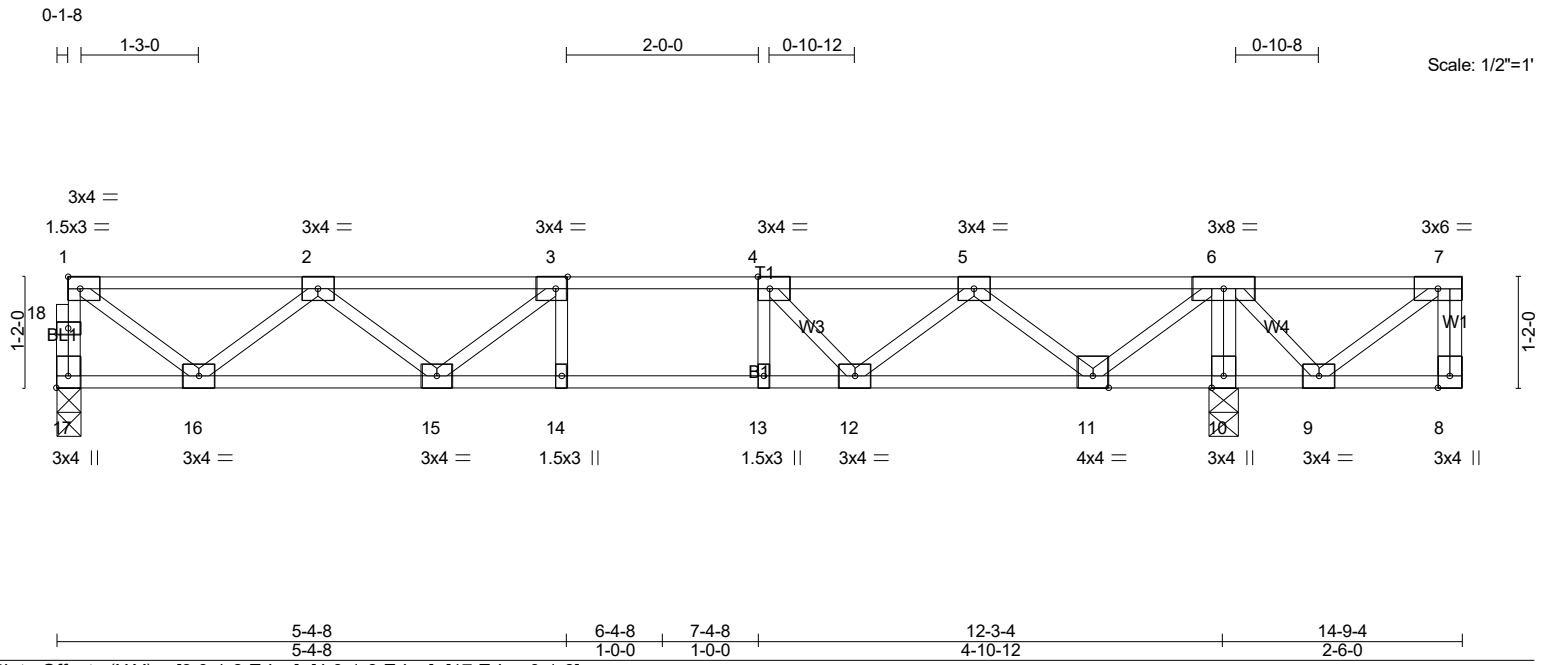

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [17:Edge,0-1-8]

LOADING (psf)		**SPACING-**	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)	-0.11	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.14	14-15	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.02	10	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 6-0-0 oc bracing.

REACTIONS. (lb/size) 17=577/0-3-0 (min. 0-1-8), 10=1314/0-3-8 (min. 0-1-8)
Max Grav 17=639(LC 3), 10=1314(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-633/0, 1-18=-632/0, 1-2=-708/0, 2-3=-1577/0, 3-4=-1779/0, 4-5=-1494/200, 5-6=-507/649, 6-7=0/533
BOT CHORD 15-16=0/1325, 14-15=0/1779, 13-14=0/1779, 12-13=0/1779, 11-12=-424/1146, 10-11=-925/0, 9-10=-933/0
WEBS 4-13=-62/276, 6-10=-1284/0, 1-16=0/855, 2-16=-803/0, 2-15=-34/352, 3-15=-383/154, 6-11=0/976, 5-11=-895/0, 5-12=0/609, 4-12=-719/0, 7-9=-669/0, 6-9=0/573

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) 300 lb down at 14-7-12 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: 8-17=-10, 1-7=-100
Concentrated Loads (lb)
Vert: 7=-300(F)

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F04	Floor	3	1	Job Reference (optional) **# 40004**

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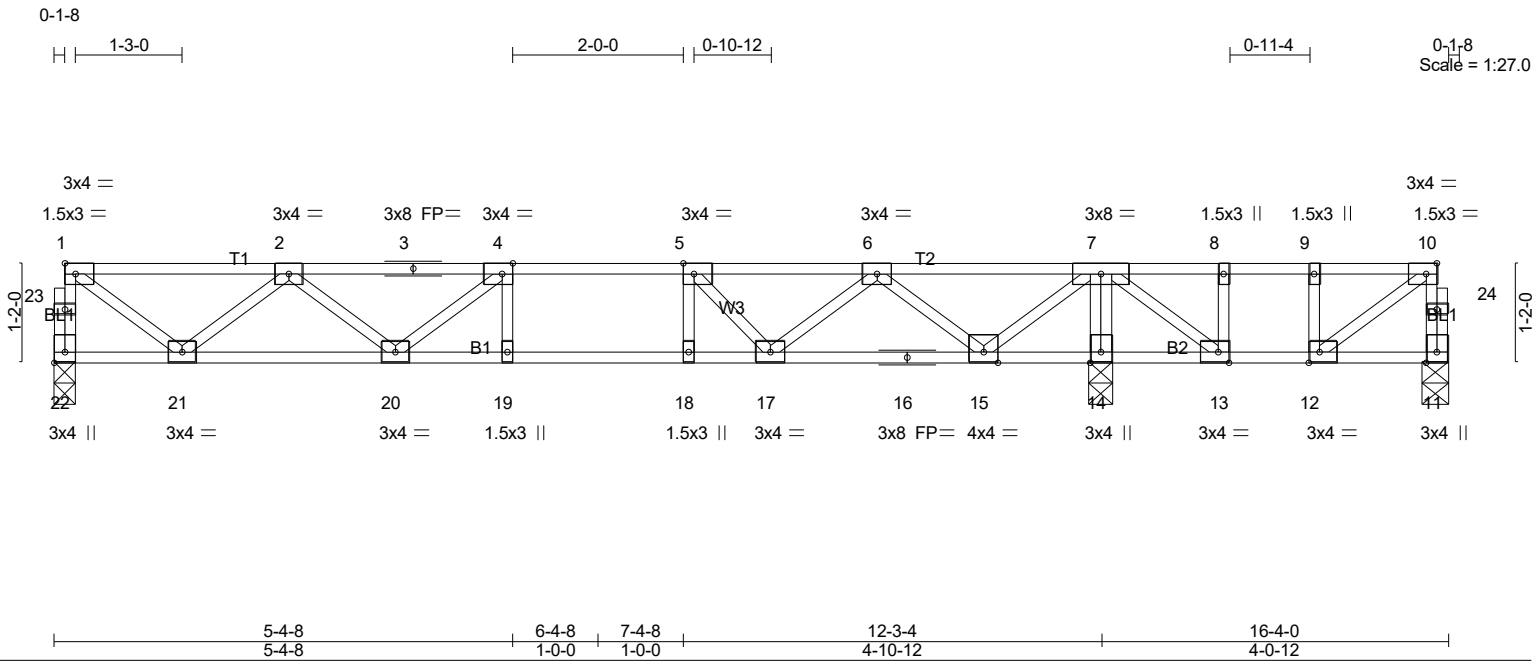

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [22:Edge,0-1-8]

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	0.34	Vert(LL)	-0.09	19-20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.62	Vert(CT)	-0.12	19-20	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 84 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) 22=619/0-3-0 (min. 0-1-8), 11=79/0-3-8 (min. 0-1-8), 14=1059/0-3-8 (min. 0-1-8)
Max Uplift11=-71(LC 3)
Max Grav22=623(LC 10), 11=171(LC 4), 14=1059(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 22-23=-617/0, 1-23=-616/0, 1-2=-688/0, 2-3=-1518/0, 3-4=-1518/0, 4-5=-1686/0, 5-6=-1372/0, 6-7=-346/0
BOT CHORD 20-21=0/1288, 19-20=0/1686, 18-19=0/1686, 17-18=0/1686, 16-17=0/1003, 15-16=0/1003, 14-15=-551/0, 13-14=-551/0
WEBS 7-14=-1077/0, 1-21=0/831, 2-21=-782/0, 2-20=0/303, 4-20=-305/0, 7-15=0/957, 6-15=-859/0, 6-17=0/497, 5-17=-520/0, 7-13=0/564

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 11.
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

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F05	Floor	1	1	**# 40004** Job Reference (optional)

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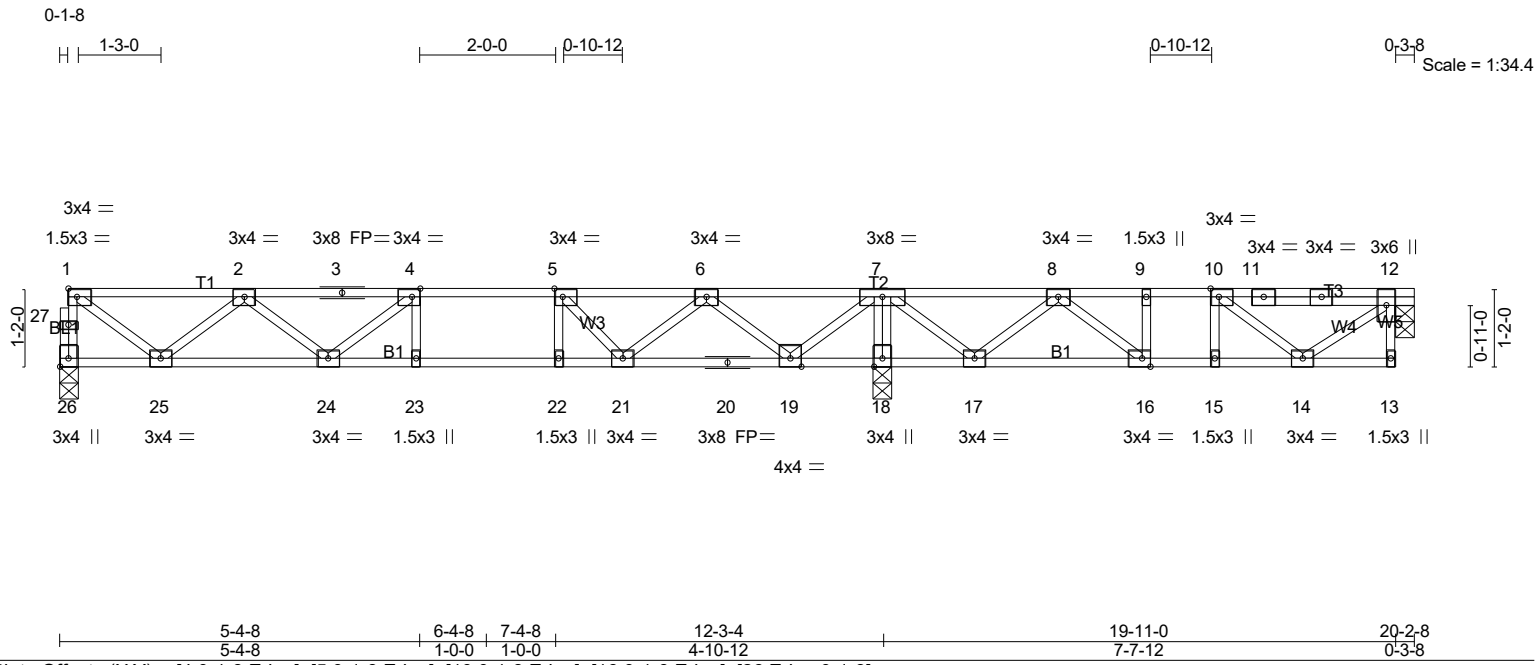

5-4-8	6-4-8	7-4-8	12-3-4	19-11-0	20-2-8
5-4-8	1-0-0	1-0-0	4-10-12	7-7-12	0-3-8

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [10:0-1-8,Edge], [16:0-1-8,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	0.39	Vert(LL)	-0.10	23-24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.13	23-24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	18	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 104 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=589/0-3-0 (min. 0-1-8), 12=301/0-3-8 (min. 0-1-8), 18=1273/0-3-8 (min. 0-1-8)
Max Grav 26=602(LC 10), 12=365(LC 4), 18=1273(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-595/0, 1-27=-594/0, 1-2=-660/0, 2-3=-1438/0, 3-4=-1438/0, 4-5=-1560/0, 5-6=-1206/0, 7-8=-103/449, 8-9=-579/87, 9-10=-579/87, 10-11=-313/18, 11-12=-316/18
BOT CHORD 24-25=0/1237, 23-24=0/1560, 22-23=0/1560, 21-22=0/1560, 20-21=0/804, 19-20=0/804, 18-19=-879/0, 17-18=-879/0, 16-17=-274/482, 15-16=-87/579, 14-15=-87/579
WEBS 7-18=-1243/0, 1-25=0/797, 2-25=-752/0, 2-24=0/262, 7-19=0/970, 6-19=-884/0, 6-21=0/557, 5-21=-579/0, 12-14=-23/391, 10-14=-339/87, 7-17=0/639, 8-17=-607/0, 8-16=0/381

NOTES- (5)
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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F06	Floor	1	1	**# 40004**
					Job Reference (optional)

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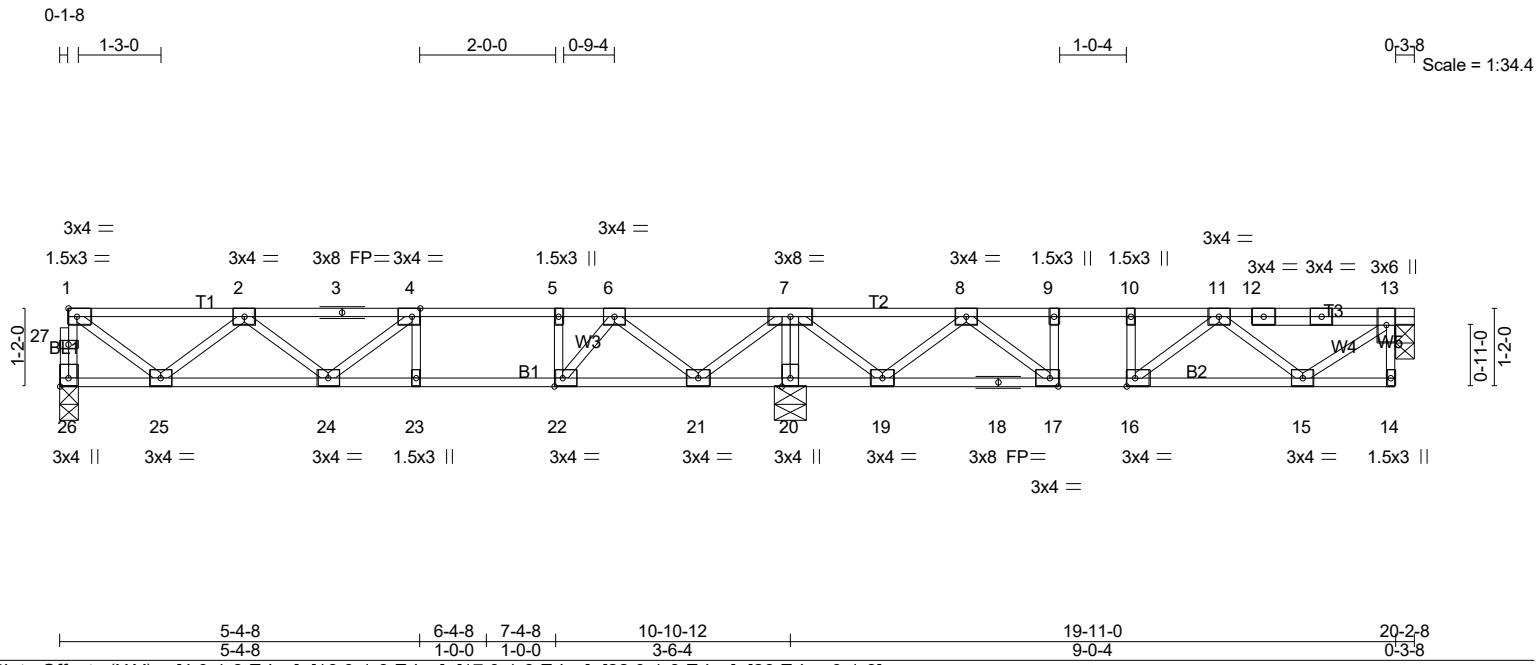

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge], [22:0-1-8,Edge], [26:Edge,0-1-8]

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	0.50	Vert(LL)	-0.10	23-24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.13	23-24	>974	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 104 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: 20-21,19-20.

REACTIONS. (lb/size) 26=546/0-3-0 (min. 0-1-8), 13=445/0-3-8 (min. 0-1-8), 20=1173/0-5-8 (min. 0-1-8)
Max Grav 26=565(LC 3), 13=471(LC 7), 20=1173(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-557/0, 1-27=-556/0, 1-2=-613/0, 2-3=-1299/0, 3-4=-1299/0, 4-5=-1338/0, 5-6=-1338/0, 6-7=-427/91, 7-8=-354/33, 8-9=-955/0, 9-10=-955/0, 10-11=-955/0, 11-12=-457/0, 12-13=-460/0
BOT CHORD 24-25=0/1151, 23-24=0/1338, 22-23=0/1338, 21-22=0/1021, 20-21=-529/0, 19-20=-529/0, 18-19=0/784, 17-18=0/784, 16-17=0/955, 15-16=0/834
WEBS 5-22=-362/0, 7-20=-1116/0, 1-25=0/739, 2-25=-700/0, 7-21=0/742, 6-21=-788/0, 6-22=0/664, 13-15=0/571, 11-15=-490/0, 7-19=0/660, 8-19=-624/0, 8-17=0/375

NOTES- (5)
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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F07	FLOOR	6	1	Job Reference (optional) **# 40004**

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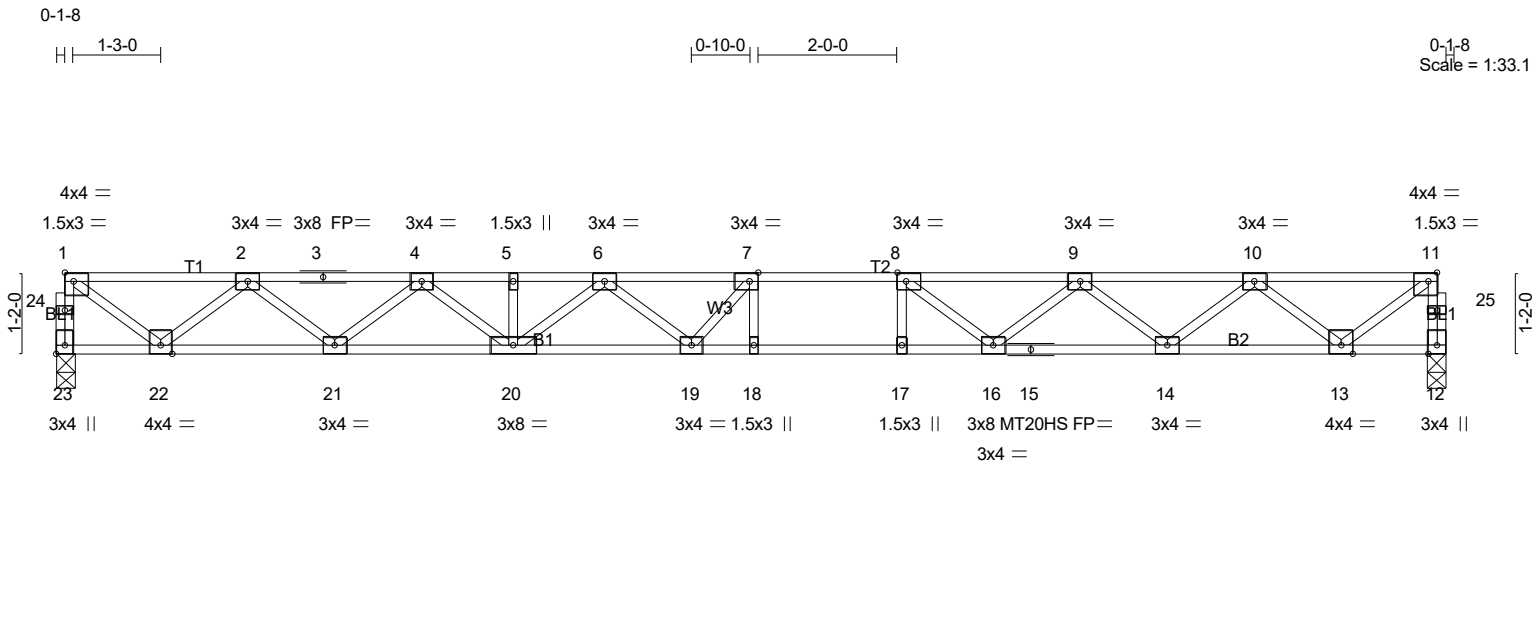

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,Edge], [23:Edge,0-1-8]

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	0.43	Vert(LL)	-0.32	18	>736	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.44	18-19	>535	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 100 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:
2-2-0 oc bracing: 18-19,17-18.

REACTIONS. (lb/size) 23=718/0-3-8 (min. 0-1-8), 12=718/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-715/0, 1-24=-714/0, 12-25=-714/0, 11-25=-713/0, 1-2=-855/0, 2-3=-2137/0, 3-4=-2137/0, 4-5=-2994/0, 5-6=-2994/0, 6-7=-3356/0, 7-8=-3344/0, 8-9=-2961/0, 9-10=-2139/0, 10-11=-854/0
BOT CHORD 21-22=0/1614, 20-21=0/2638, 19-20=0/3277, 18-19=0/3344, 17-18=0/3344, 16-17=0/3344, 15-16=0/2637, 14-15=0/2637, 13-14=0/1614
WEBS 1-22=0/1037, 2-22=-987/0, 2-21=0/681, 4-21=-652/0, 4-20=0/455, 6-20=-361/0, 6-19=-49/276, 8-16=-623/0, 9-16=0/468, 9-14=-648/0, 10-14=0/684, 10-13=-988/0, 11-13=0/1036, 7-19=-288/250

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

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F08	FLOOR	1	1	Job Reference (optional) **# 40004**

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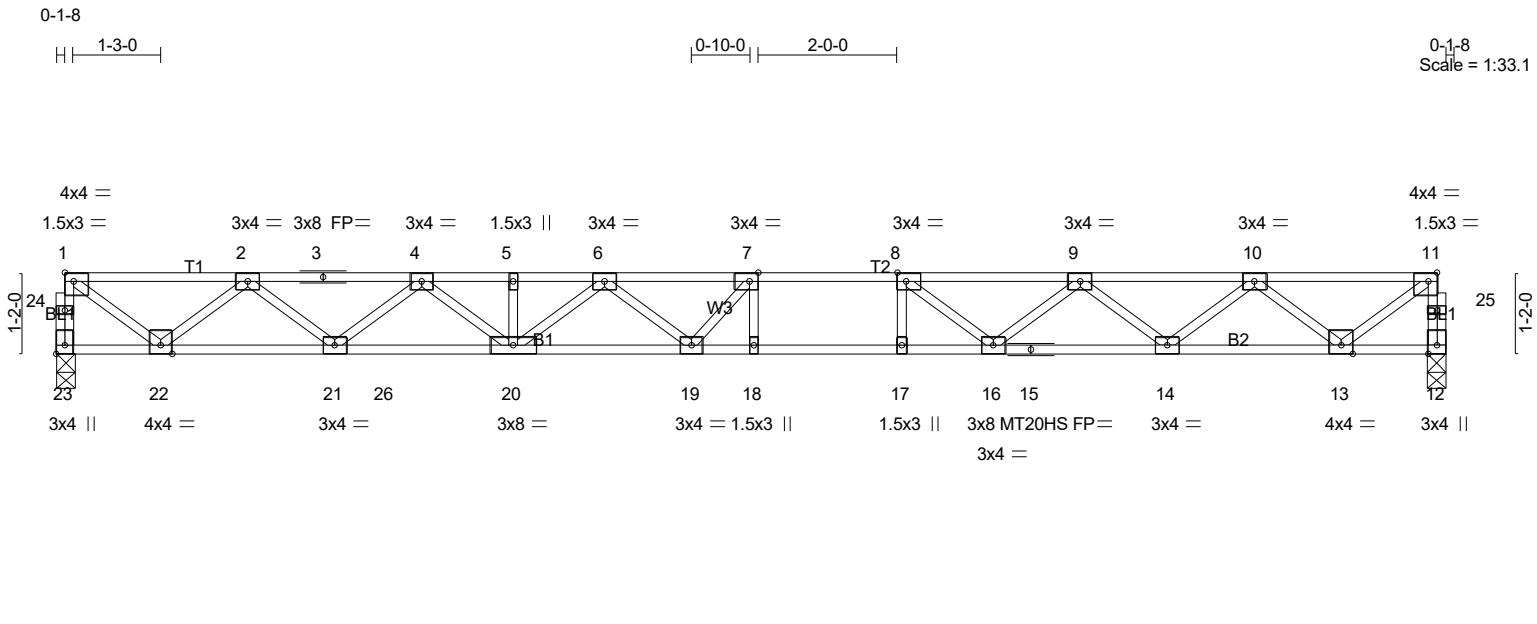

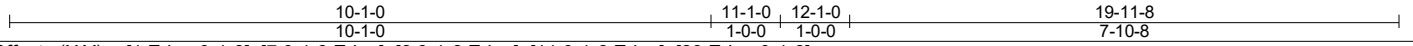

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,Edge], [23:Edge,0-1-8]

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	0.52	Vert(LL)	-0.31	18	>774	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.42	18-19	>563	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.49	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 100 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 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=718/0-3-8 (min. 0-1-8), 12=718/0-3-0 (min. 0-1-8)
Max Horz 23=26(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-715/0, 1-24=-713/0, 12-25=-714/0, 11-25=-713/0, 1-2=-855/0, 2-3=-2137/0, 3-4=-2137/0, 4-5=-2993/0, 5-6=-2993/0, 6-7=-3357/0, 7-8=-3344/0, 8-9=-2960/0, 9-10=-2140/0, 10-11=-854/0
BOT CHORD 21-22=-34/1613, 21-26=-137/2654, 20-26=-2/2638, 19-20=0/3276, 18-19=-4/3344, 17-18=0/3344, 16-17=0/3344, 15-16=0/2638, 14-15=0/2638, 13-14=0/1614
WEBS 7-18=-330/214, 8-17=-153/281, 1-22=0/1037, 2-22=-987/16, 2-21=-52/710, 4-21=-684/82, 4-20=-121/537, 6-20=-422/106, 6-19=-217/399, 8-16=-776/274, 9-16=-135/551, 9-14=-663/62, 10-14=-47/709, 10-13=-988/22, 11-13=0/1036, 7-19=-487/466

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a total drag load of 125 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 4-8-12 to 19-11-8 for 163.8 plf.
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

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F11	Floor	3	1	# 40004
					Job Reference (optional)

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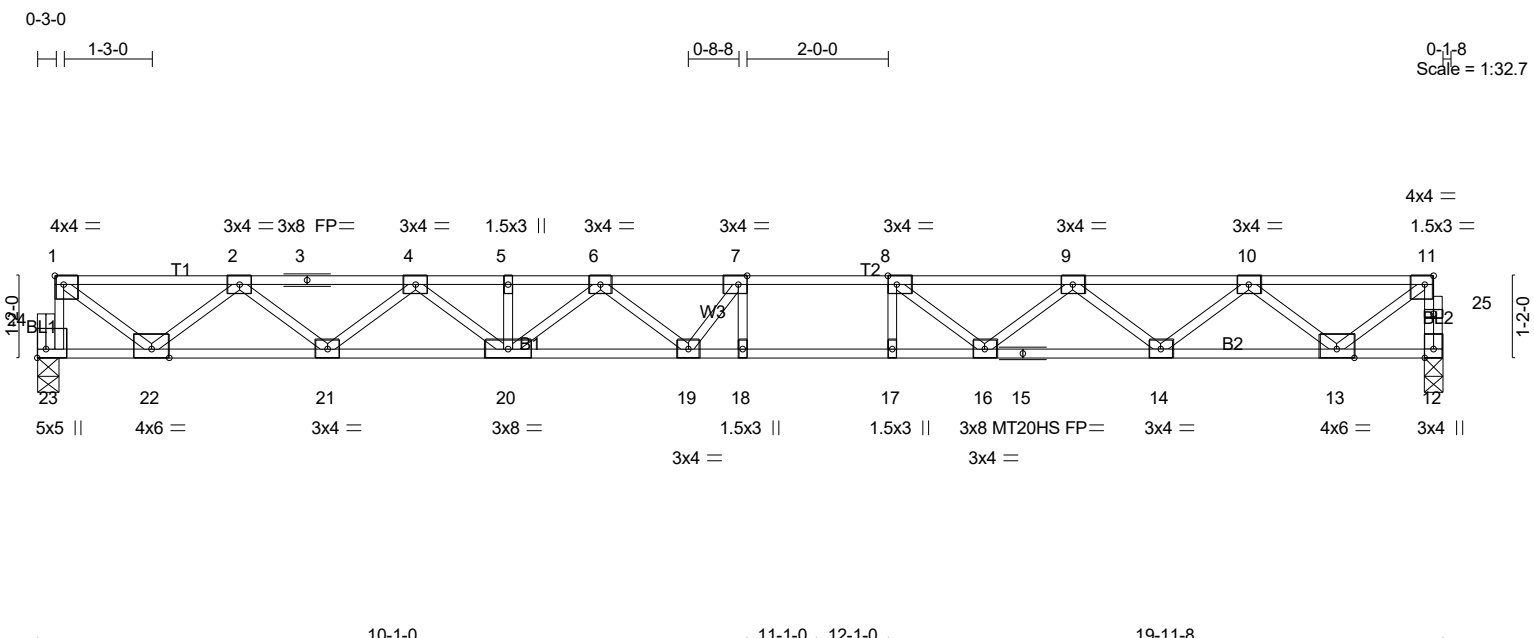

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,Edge], [23:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.36	18	>655	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.50	18	>476	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.07	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 100 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 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=854/0-3-8 (min. 0-1-8), 12=859/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-847/0, 1-24=-845/0, 12-25=-854/0, 11-25=-852/0, 1-2=-1065/0, 2-3=-2583/0, 3-4=-2583/0, 4-5=-3591/0, 5-6=-3591/0, 6-7=-4008/0, 7-8=-3985/0, 8-9=-3533/0, 9-10=-2556/0, 10-11=-1021/0
BOT CHORD 21-22=0/1965, 20-21=0/3174, 19-20=0/3915, 18-19=0/3985, 17-18=0/3985, 16-17=0/3985, 15-16=0/3150, 14-15=0/3150, 13-14=0/1928
WEBS 7-18=-311/133, 1-22=0/1230, 2-22=-1171/0, 2-21=0/804, 4-21=-770/0, 4-20=0/532, 6-20=-414/0, 6-19=-63/331, 7-19=-344/324, 8-16=-739/0, 9-16=0/552, 9-14=-774/0, 10-14=0/817, 10-13=-1181/0, 11-13=0/1238

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

7/17/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0046 HONEYCUTT HILLS | 92 SHELBY MEADOW LANE ANGIER, NC
23-4637-F02	F12	Floor	2	1	Job Reference (optional) **# 40004**

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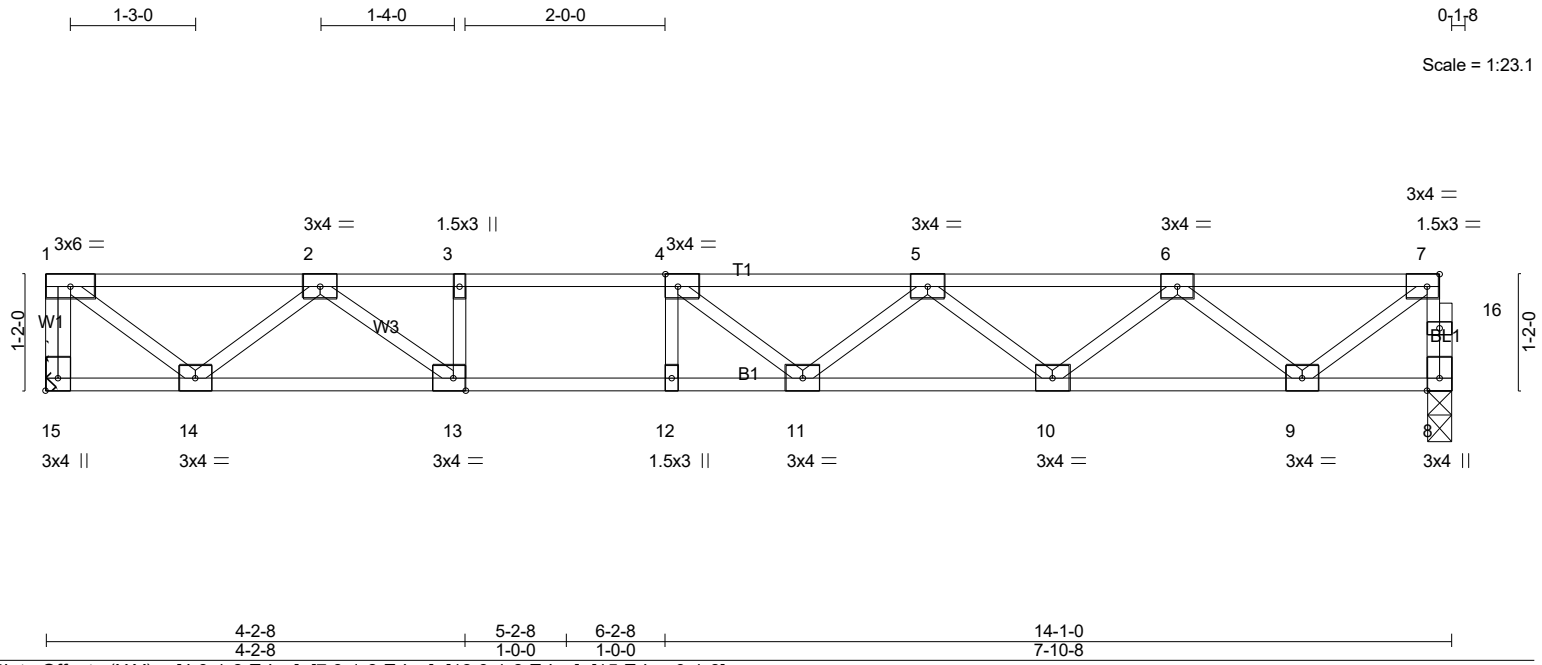

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [7:0-1-8,Edge], [13:0-1-8,Edge], [15:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.18	11-12	>918	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.24	11-12	>679	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	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=608/Mechanical, 8=603/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-584/0, 8-16=-600/0, 7-16=-599/0, 1-2=-647/0, 2-3=-1848/0, 3-4=-1848/0, 4-5=-1966/0, 5-6=-1613/0, 6-7=-684/0
BOT CHORD 13-14=0/1288, 12-13=0/1848, 11-12=0/1848, 10-11=0/1937, 9-10=0/1278
WEBS 3-13=-291/0, 1-14=0/812, 2-14=-834/0, 2-13=0/782, 4-11=-129/255, 5-10=-423/0, 6-10=0/436, 6-9=-772/0, 7-9=0/828

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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

7/17/2023