Mark Morris, P.E.

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

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

AST #: 53248
JOB: 24-8566-F02
JOB NAME: LOT 0.0017 HONEYCUTT HILLS
Wind Code: N/A
Wind Speed: Vult= N/A
Exposure Category: N/A
Mean Roof Height (feet): N/A
These truss designs comply with IRC 2018 as well as IRC 2021.
29 Truss Design(s)

Trusses:
F200, F201, F202, F202A, F203, F204, F205, F206, F207, F209, F209A, F209B, F210, F211, F212, F213, F215, F216, F217, F218, F219, F220, F221, F222, F223, F224, F225, F225A, F226

10/9/2024
Mark Morris

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

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F200	Floor Supported Gable	1	1	# 53248 Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 12:43:48 2024 Page 1
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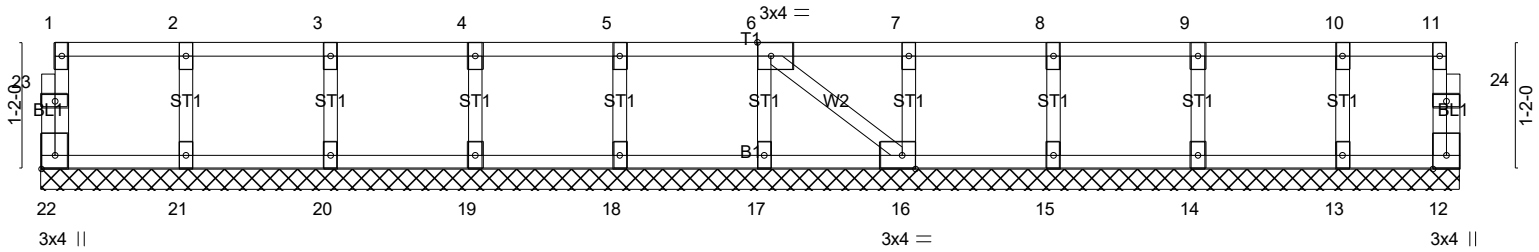

1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-1-0
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-1-0

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 13-1-0.
(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

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F201	Floor	2	1	Job Reference (optional) **# 53248**

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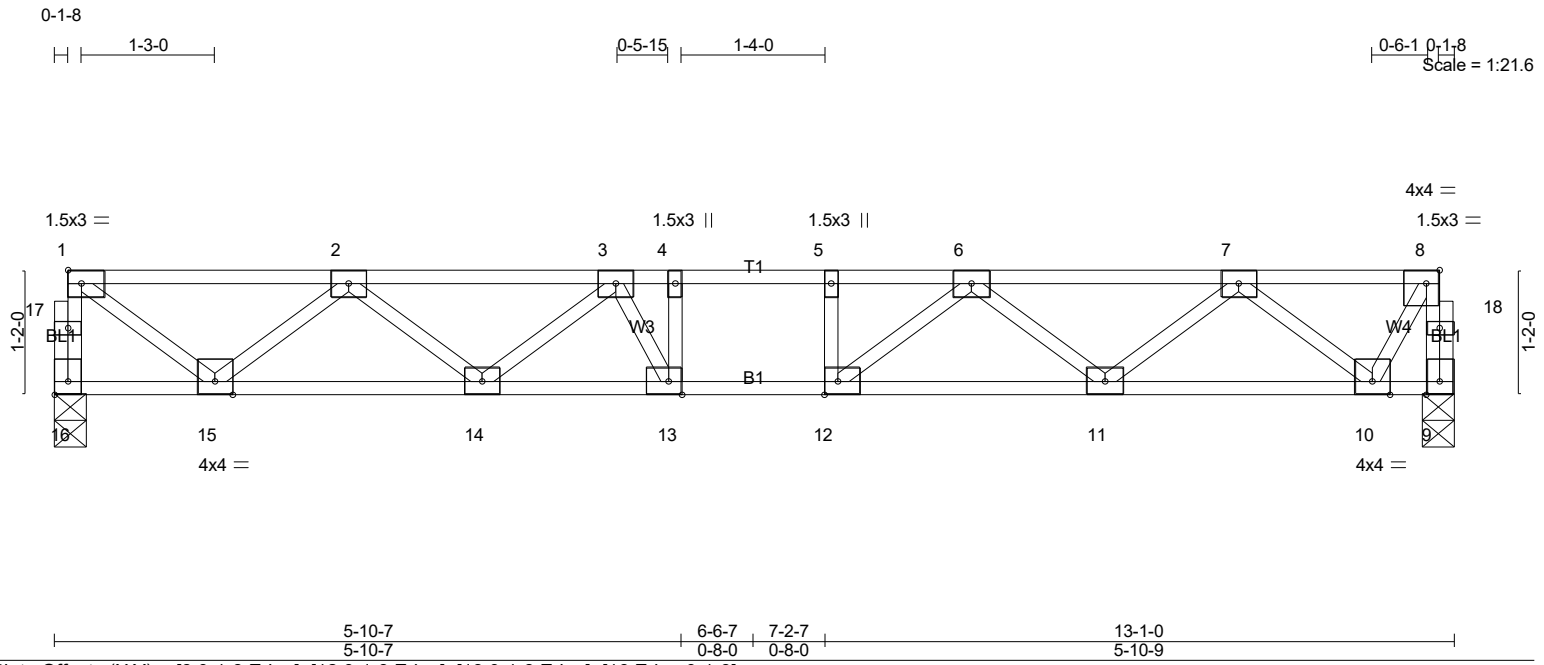

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:Edge,0-1-8]

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	0.28	Vert(LL)	-0.08	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.43	Vert(CT)	-0.12	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	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=700/0-3-8 (min. 0-1-8), 9=700/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-695/0, 1-17=-694/0, 9-18=-701/0, 8-18=-700/0, 1-2=-787/0, 2-3=-1803/0, 3-4=-2148/0, 4-5=-2148/0, 5-6=-2148/0, 6-7=-1569/0, 7-8=-388/0
BOT CHORD 14-15=0/1472, 13-14=0/2107, 12-13=0/2148, 11-12=0/1980, 10-11=0/1127
WEBS 4-13=-254/95, 1-15=0/952, 2-15=-891/0, 2-14=0/431, 3-14=-395/0, 3-13=-160/368, 6-12=-25/412, 6-11=-534/0, 7-11=0/576, 7-10=-962/0, 8-10=0/723

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

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F202	Floor	2	1	Job Reference (optional) **# 53248**

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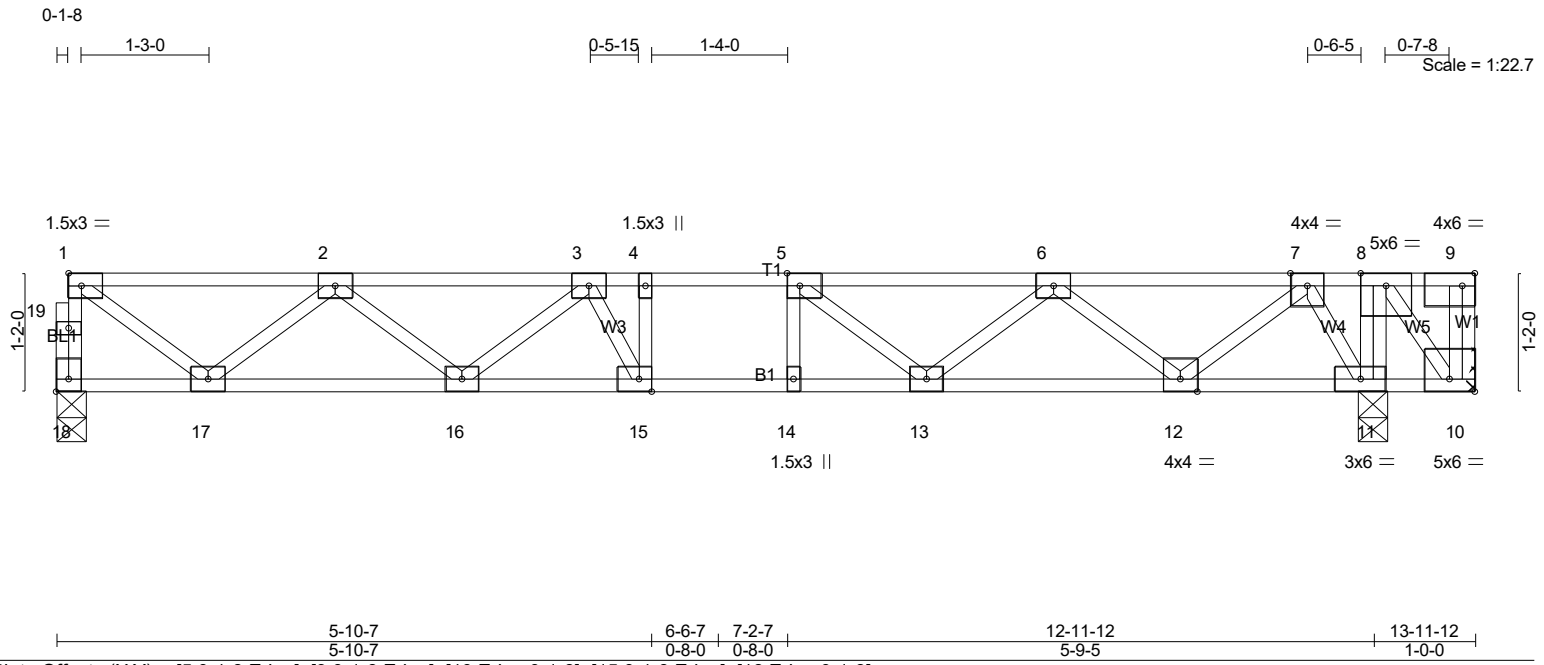

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [9:0-1-8,Edge], [10:Edge,0-1-8], [15:0-1-8,Edge], [18:Edge,0-1-8]

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	0.42	Vert(LL)	-0.07	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.10	15-16	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.02	11	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, Except: 6-0-0 oc bracing: 11-12,10-11.

REACTIONS. (lb/size) 18=605/0-3-8 (min. 0-1-8), 10=2361/Mechanical, 11=2288/0-3-8 (min. 0-1-8)
Max Grav 18=605(LC 1), 10=3384(LC 4), 11=2288(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-600/0, 1-19=-599/0, 9-10=-3736/0, 1-2=-661/0, 2-3=-1460/0, 3-4=-1574/0, 4-5=-1574/0, 5-6=-1161/0, 7-8=0/1139
BOT CHORD 16-17=0/1236, 15-16=0/1636, 14-15=0/1574, 13-14=0/1574, 12-13=0/767, 11-12=-650/0, 10-11=-1139/0
WEBS 8-11=-1472/0, 1-17=0/799, 2-17=-748/0, 2-16=0/291, 3-15=-274/176, 5-13=-528/0, 6-13=0/513, 6-12=-910/0, 7-12=0/935, 7-11=-922/0, 8-10=0/1771

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, 7, 8, 9, 10 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: 10-18=-10, 1-8=-100, 8-9=-180
Concentrated Loads (lb)
Vert: 9=-3680
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-18=-10, 1-8=-100, 8-9=-180
Concentrated Loads (lb)
Vert: 9=-3680
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-18=-10, 1-9=-100
Concentrated Loads (lb)
Vert: 9=-3680

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LOAD CASE(S) Standard

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-8=-20, 8-9=-180
   Concentrated Loads (lb)
      Vert: 9=-3680
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-9=-100
   Concentrated Loads (lb)
      Vert: 9=-3680
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-8=-20, 8-9=-180
   Concentrated Loads (lb)
      Vert: 9=-3680
7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-5=-100, 5-8=-20, 8-9=-180
   Concentrated Loads (lb)
      Vert: 9=-3680
8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-4=-20, 4-8=-100, 8-9=-180
   Concentrated Loads (lb)
      Vert: 9=-3680
9) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-5=-100, 5-8=-20, 8-9=-180
   Concentrated Loads (lb)
      Vert: 9=-3680
10) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-4=-20, 4-8=-100, 8-9=-180
   Concentrated Loads (lb)
      Vert: 9=-3680

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F202A	Floor	3	1	Job Reference (optional) **# 53248**

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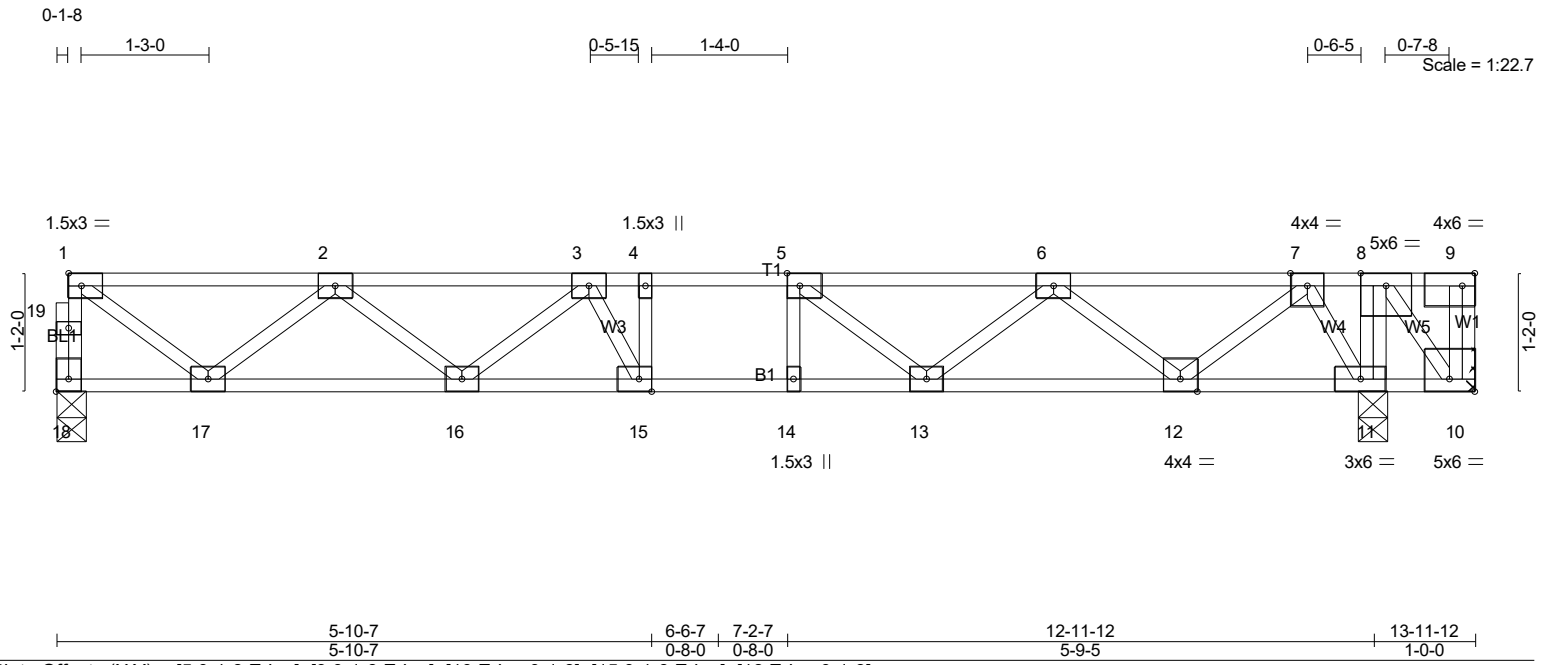

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [9:0-1-8,Edge], [10:Edge,0-1-8], [15:0-1-8,Edge], [18:Edge,0-1-8]

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	0.42	Vert(LL)	-0.07	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.10	15-16	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.02	11	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, Except:
6-0-0 oc bracing: 11-12,10-11.

REACTIONS. (lb/size) 18=605/0-3-8 (min. 0-1-8), 10=2325/Mechanical, 11=2253/0-3-8 (min. 0-1-8)
Max Grav 18=605(LC 1), 10=3349(LC 4), 11=2253(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-599/0, 1-19=-598/0, 9-10=-3706/0, 1-2=-661/0, 2-3=-1460/0, 3-4=-1574/0, 4-5=-1574/0, 5-6=-1161/0, 7-8=0/1144
BOT CHORD 16-17=0/1236, 15-16=0/1635, 14-15=0/1574, 13-14=0/1574, 12-13=0/767, 11-12=-650/0, 10-11=-1144/0
WEBS 8-11=-1430/0, 1-17=0/798, 2-17=-748/0, 2-16=0/291, 3-15=-274/176, 5-13=-528/0, 6-13=0/513, 6-12=-910/0, 7-12=0/935, 7-11=-931/0, 8-10=0/1778

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, 7, 8, 9, 10 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)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-18=-10, 1-9=-100
Concentrated Loads (lb)
Vert: 9=-3680
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-18=-10, 1-9=-100
Concentrated Loads (lb)
Vert: 9=-3680
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-18=-10, 1-8=-100, 8-9=-20
Concentrated Loads (lb)
Vert: 9=-3680

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LOAD CASE(S)

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-8=-20, 8-9=-100
   Concentrated Loads (lb)
      Vert: 9=-3680
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-8=-100, 8-9=-20
   Concentrated Loads (lb)
      Vert: 9=-3680
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-8=-20, 8-9=-100
   Concentrated Loads (lb)
      Vert: 9=-3680
7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-5=-100, 5-8=-20, 8-9=-100
   Concentrated Loads (lb)
      Vert: 9=-3680
8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-4=-20, 4-9=-100
   Concentrated Loads (lb)
      Vert: 9=-3680
9) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-5=-100, 5-8=-20, 8-9=-100
   Concentrated Loads (lb)
      Vert: 9=-3680
10) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 10-18=-10, 1-4=-20, 4-9=-100
   Concentrated Loads (lb)
      Vert: 9=-3680

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F203	Floor	4	1	Job Reference (optional) **# 53248**

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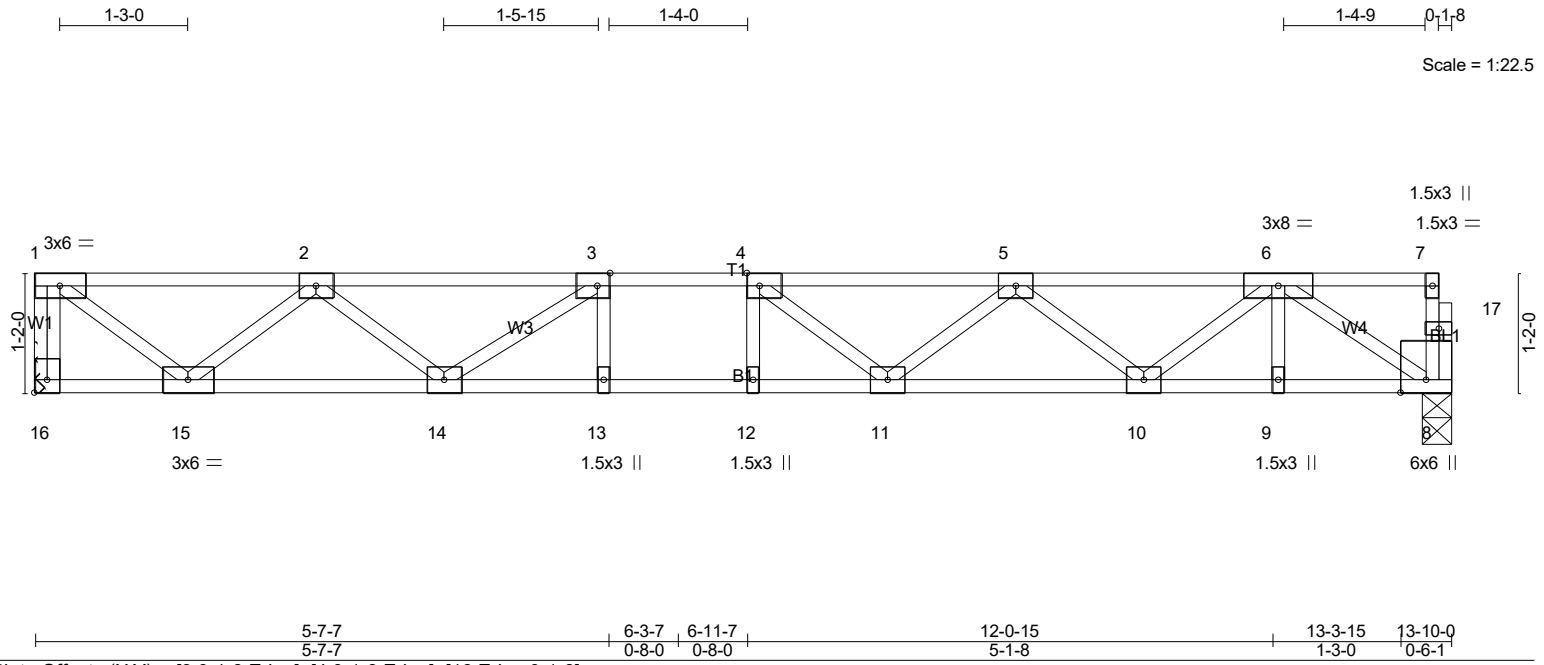

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [16:Edge,0-1-8]

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	0.35	Vert(LL)	-0.12	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.16	11-12	>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: 71 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 16=747/Mechanical, 8=741/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-742/0, 1-2=-843/0, 2-3=-1948/0, 3-4=-2409/0, 4-5=-2289/0, 5-6=-1594/0
BOT CHORD 14-15=0/1579, 13-14=0/2409, 12-13=0/2409, 11-12=0/2409, 10-11=0/2114, 9-10=0/1027, 8-9=0/1027
WEBS 1-15=0/1057, 2-15=-959/0, 2-14=0/480, 3-14=-623/0, 4-11=-351/80, 5-11=0/313, 5-10=-677/0, 6-10=0/725, 6-8=-1229/0

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

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F204	Floor	4	1	# 53248
					Job Reference (optional)

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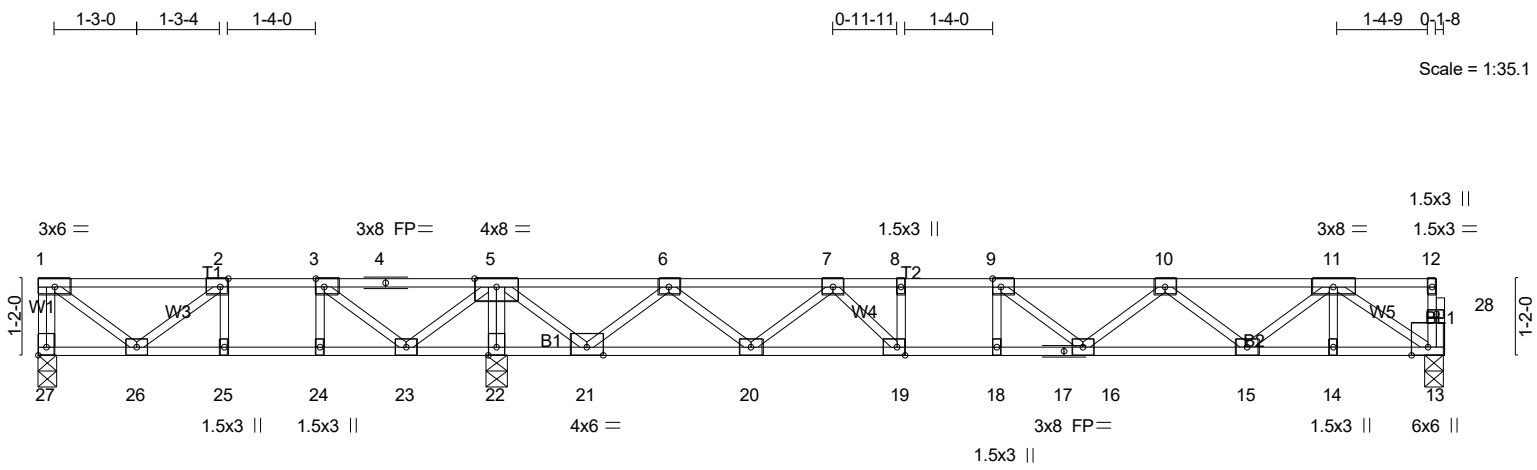

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:0-1-8,Edge], [19:0-1-8,Edge], [27:Edge,0-1-8]

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	0.42	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	>997	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: 110 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=214/0-3-8 (min. 0-1-8), 22=1404/0-3-8 (min. 0-1-8), 13=703/0-3-8 (min. 0-1-8)
Max Uplift27=-50(LC 4)
Max Grav27=322(LC 3), 22=1404(LC 1), 13=716(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-27=-321/42, 1-2=-266/105, 2-3=-459/331, 3-4=-62/694, 4-5=-62/694, 6-7=-1448/0, 7-8=-2225/0, 8-9=-2225/0, 9-10=-2163/0, 10-11=-1527/0
BOT CHORD 25-26=-331/459, 24-25=-331/459, 23-24=-331/459, 22-23=-1138/0, 21-22=-1138/0, 20-21=0/948, 19-20=0/1946, 18-19=0/2225, 17-18=0/2225, 16-17=0/2225, 15-16=0/2021, 14-15=0/990, 13-14=0/990
WEBS 3-24=0/259, 8-19=-251/0, 5-22=-1349/0, 1-26=-132/333, 2-26=-245/287, 3-23=-765/0, 5-23=0/627, 5-21=0/1203, 6-21=-1112/0, 6-20=0/692, 7-20=-699/0, 7-19=0/576, 10-16=0/258, 10-15=-644/0, 11-15=0/686, 11-13=-1185/0

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 50 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

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F205	Floor	2	1	# 53248
					Job Reference (optional)

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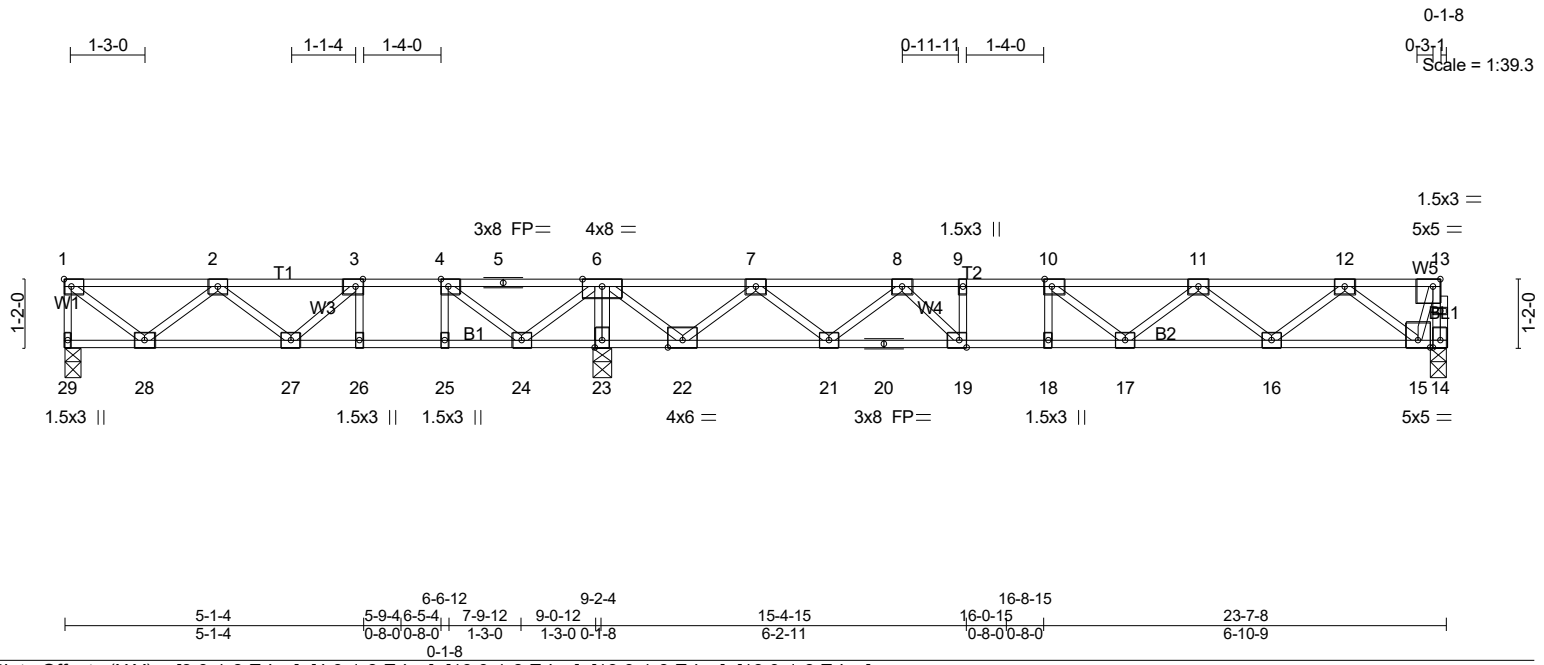

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,Edge], [19:0-1-8,Edge]

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	0.49	Vert(LL)	-0.12	17-18	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.17	17-18	>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: 120 lb	FT = 20%F, 11%E

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

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) 29=364/0-3-8 (min. 0-1-8), 14=699/0-3-8 (min. 0-1-8), 23=1514/0-3-8 (min. 0-1-8)
Max Grav 29=453(LC 3), 14=711(LC 7), 23=1514(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-29=-445/0, 13-14=-716/0, 1-2=-439/16, 2-3=-860/179, 3-4=-766/419, 4-5=-158/790, 5-6=-158/790, 6-7=0/254, 7-8=-1329/0, 8-9=-2142/0, 9-10=-2142/0, 10-11=-2101/0, 11-12=-1499/0
BOT CHORD 27-28=-46/843, 26-27=-419/766, 25-26=-419/766, 24-25=-419/766, 23-24=-1222/0, 22-23=-1222/0, 21-22=0/818, 20-21=0/1843, 19-20=0/1843, 18-19=0/2142, 17-18=0/2142, 16-17=0/1975, 15-16=0/1000
WEBS 3-26=-308/0, 4-25=0/324, 9-19=-258/0, 6-23=-1450/0, 1-28=-20/560, 2-28=-526/39, 3-27=0/400, 4-24=-987/0, 6-24=0/799, 6-22=0/1216, 7-22=-1125/0, 7-21=0/700, 8-21=-710/0, 8-19=0/593, 11-16=-619/0, 12-16=0/650, 12-15=-990/0, 13-15=0/699

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

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F206	Floor Supported Gable	1	1	Job Reference (optional) **# 53248**

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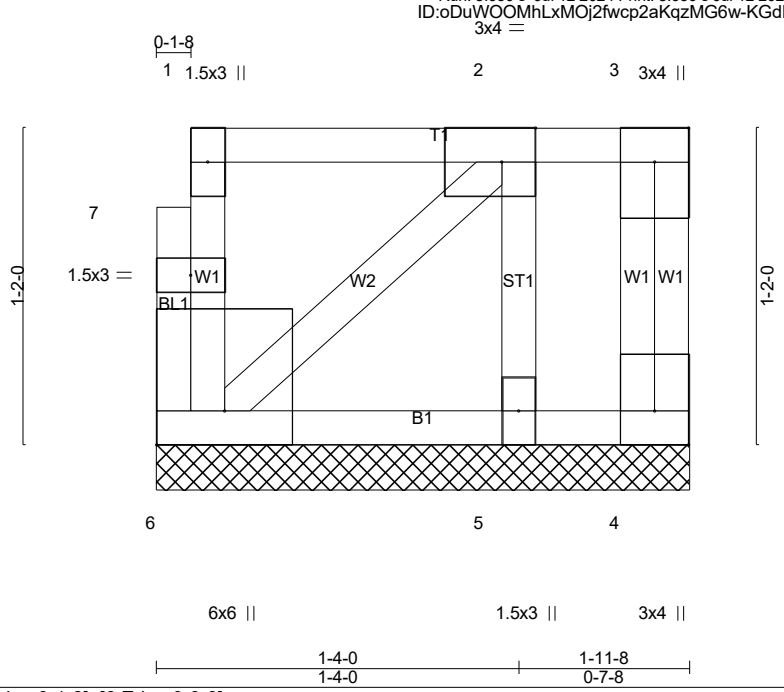

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [4:Edge,0-1-8], [6:Edge,0-3-0]

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: 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 1-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=2/1-11-8 (min. 0-1-8), 6=50/1-11-8 (min. 0-1-8), 5=130/1-11-8 (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

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F207	Floor	4	1	# 53248
					Job Reference (optional)

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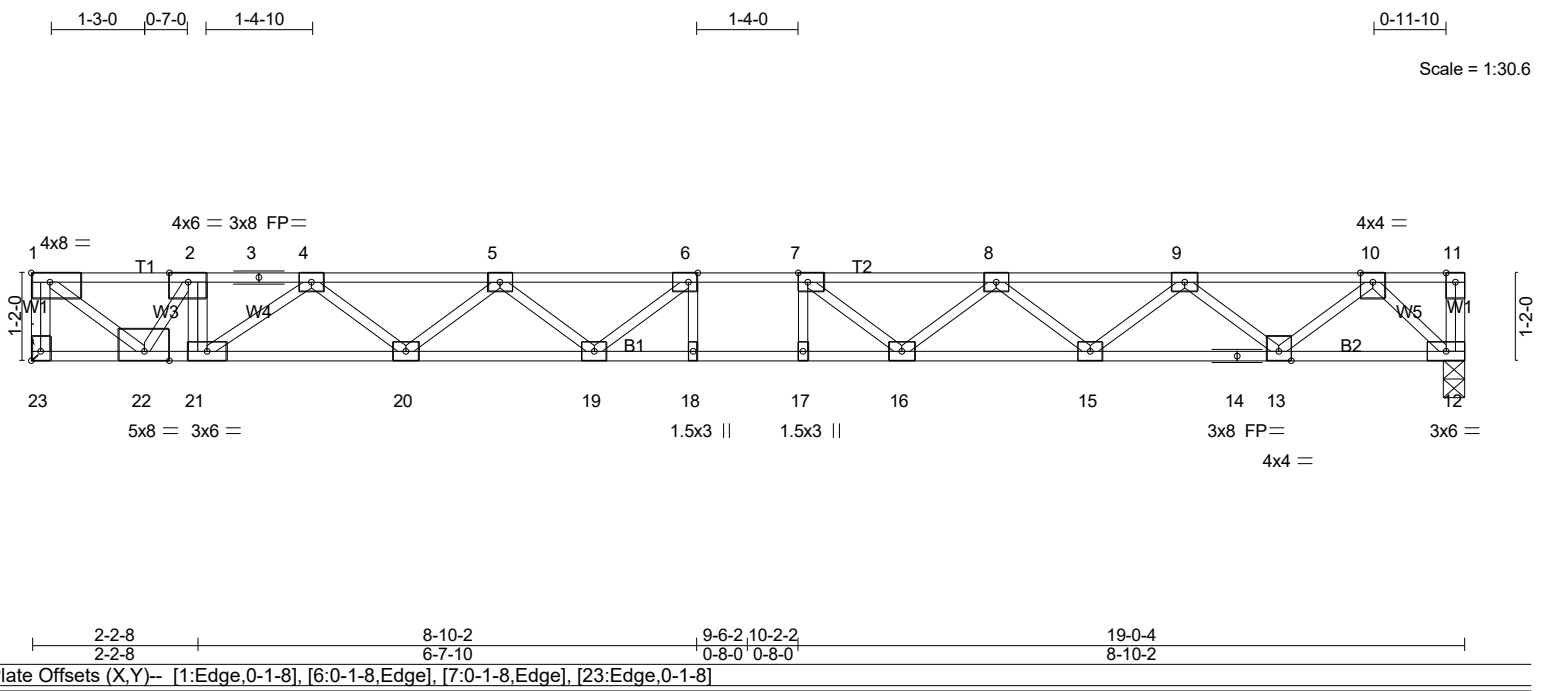

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [23:Edge,0-1-8]

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	>934	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.42	18	>536	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: 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 23=1222/Mechanical, 12=755/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-1212/0, 1-2=-1519/0, 2-3=-2302/0, 3-4=-2302/0, 4-5=-3234/0, 5-6=-3646/0, 6-7=-3687/0, 7-8=-3388/0, 8-9=-2659/0, 9-10=-1481/0
BOT CHORD 21-22=0/2302, 20-21=0/2892, 19-20=0/3558, 18-19=0/3687, 17-18=0/3687, 16-17=0/3687, 15-16=0/3121, 14-15=0/2173, 13-14=0/2173, 12-13=0/769
WEBS 2-21=0/421, 1-22=0/1906, 2-22=-1392/0, 5-20=-421/0, 4-20=0/446, 4-21=-716/0, 7-16=-555/0, 8-16=0/434, 8-15=-602/0, 9-15=0/632, 9-13=-901/0, 10-13=0/927, 10-12=-1062/0

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

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

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F209	Floor	3	1	# 53248
					Job Reference (optional)

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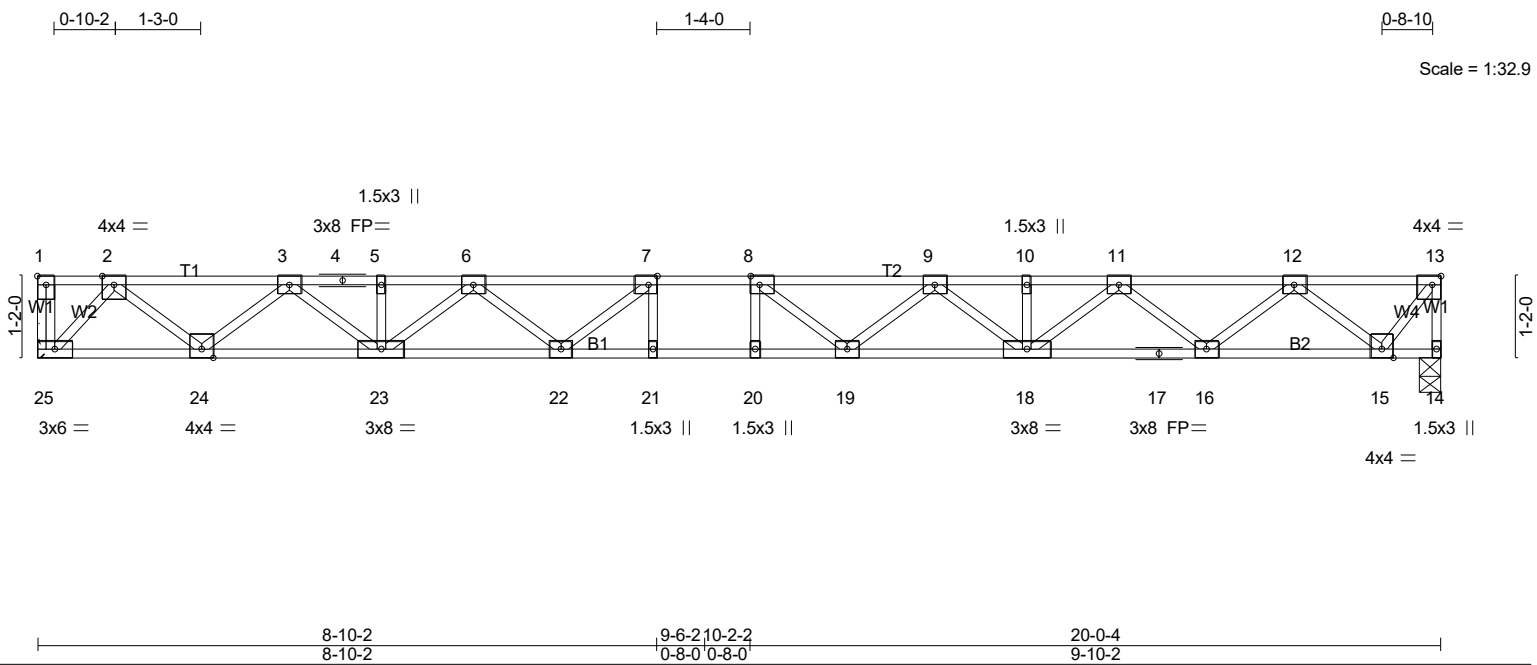

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [13:0-1-8,Edge]

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	0.40	Vert(LL)	-0.30	20	>781	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.42	20	>568	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 103 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=727/Mechanical, 14=727/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-725/0, 2-3=-1350/0, 3-4=-2524/0, 4-5=-2524/0, 5-6=-2524/0, 6-7=-3192/0, 7-8=-3441/0, 8-9=-3342/0, 9-10=-2864/0, 10-11=-2864/0, 11-12=-1887/0, 12-13=-505/0
BOT CHORD 24-25=0/666, 23-24=0/2015, 22-23=0/2957, 21-22=0/3441, 20-21=0/3441, 19-20=0/3441, 18-19=0/3211, 17-18=0/2453, 16-17=0/2453, 15-16=0/1299
WEBS 7-22=-476/6, 6-22=0/381, 6-23=-552/0, 3-23=0/651, 3-24=-865/0, 2-24=0/891, 2-25=-977/0, 8-19=-349/133, 9-19=-4/291, 9-18=-443/0, 11-18=0/526, 11-16=-737/0, 12-16=0/765, 12-15=-1034/0, 13-15=0/842

NOTES- (5-6)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F209A	Floor	5	1	Job Reference (optional) **# 53248**

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0-10-2 1-3-0 1-4-0 1-3-2

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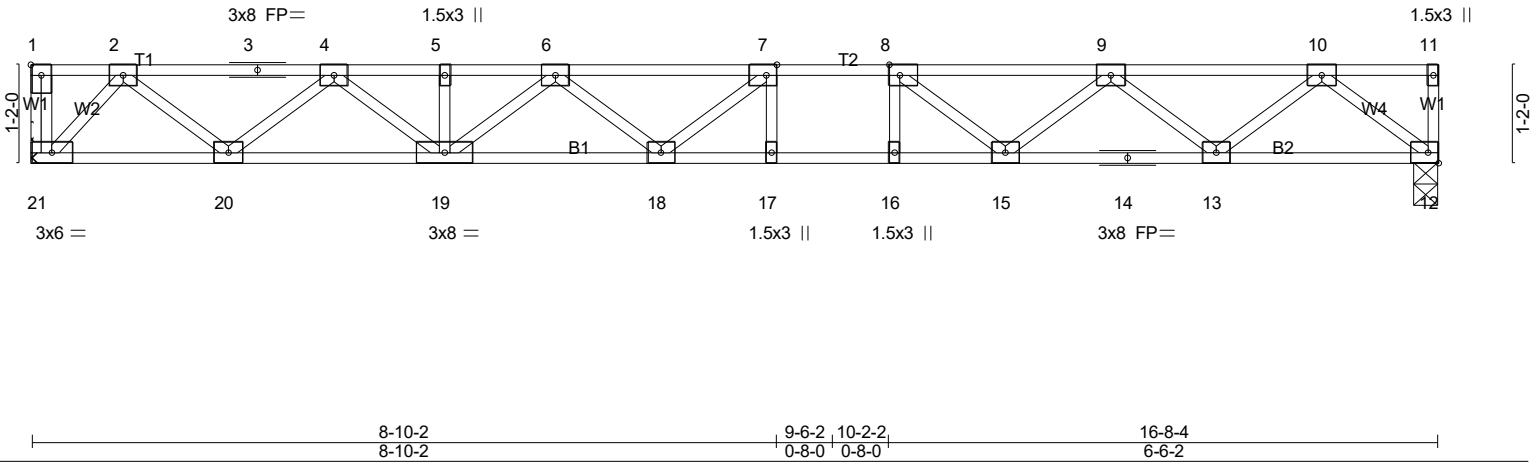

8-10-2 9-6-2 10-2-2 16-8-4
8-10-2 0-8-0 0-8-0 6-6-2

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [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)	-0.16	17-18	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.22	17-18	>884	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.04	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 85 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 21=605/Mechanical, 12=605/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1092/0, 3-4=-1092/0, 4-5=-1961/0, 5-6=-1961/0, 6-7=-2332/0, 7-8=-2344/0, 8-9=-2013/0, 9-10=-1240/0
BOT CHORD 20-21=0/553, 19-20=0/1609, 18-19=0/2260, 17-18=0/2344, 16-17=0/2344, 15-16=0/2344, 14-15=0/1726, 13-14=0/1726, 12-13=0/727
WEBS 6-19=-382/0, 4-19=0/449, 4-20=-674/0, 2-20=0/702, 2-21=-811/0, 8-15=-497/0, 9-15=0/392, 9-13=-632/0, 10-13=0/668, 10-12=-925/0

NOTES- (5-6)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F209B	Floor	1	1	Job Reference (optional) **# 53248**

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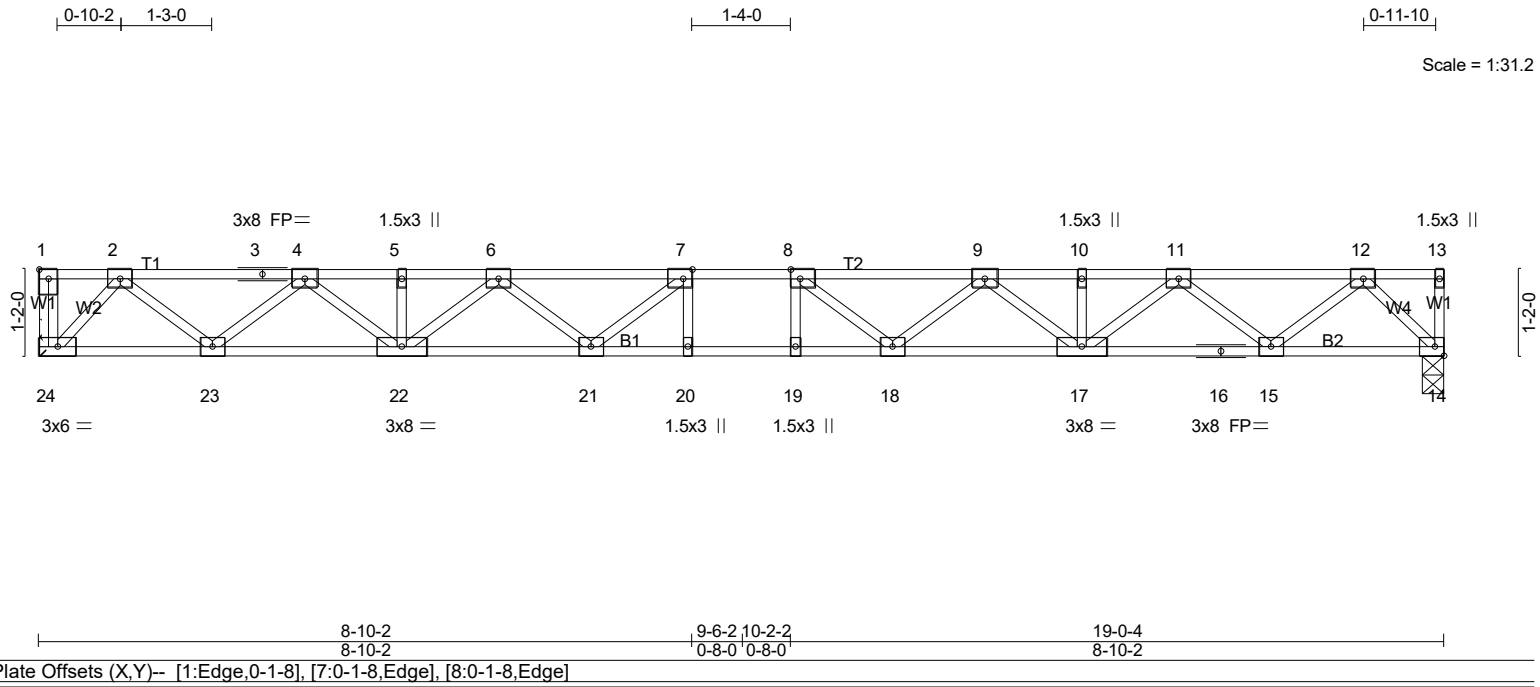

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]

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	19-20	>928	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.34	19-20	>674	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.06	14	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) 24=691/Mechanical, 14=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=-1273/0, 3-4=-1273/0, 4-5=-2355/0, 5-6=-2355/0, 6-7=-2934/0, 7-8=-3112/0, 8-9=-2943/0, 9-10=-2375/0, 10-11=-2375/0, 11-12=-1304/0
BOT CHORD 23-24=0/632, 22-23=0/1893, 21-22=0/2748, 20-21=0/3112, 19-20=0/3112, 18-19=0/3112, 17-18=0/2763, 16-17=0/1919, 15-16=0/1919, 14-15=0/668
WEBS 7-21=-399/49, 6-21=0/327, 6-22=-501/0, 4-22=0/590, 4-23=-808/0, 2-23=0/834, 2-24=-928/0, 8-18=-391/56, 9-18=0/321, 9-17=-494/0, 11-17=0/582, 11-15=-800/0, 12-15=0/828, 12-14=-950/0

NOTES- (5-6)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F210	Floor Supported Gable	1	1	# 53248 Job Reference (optional)

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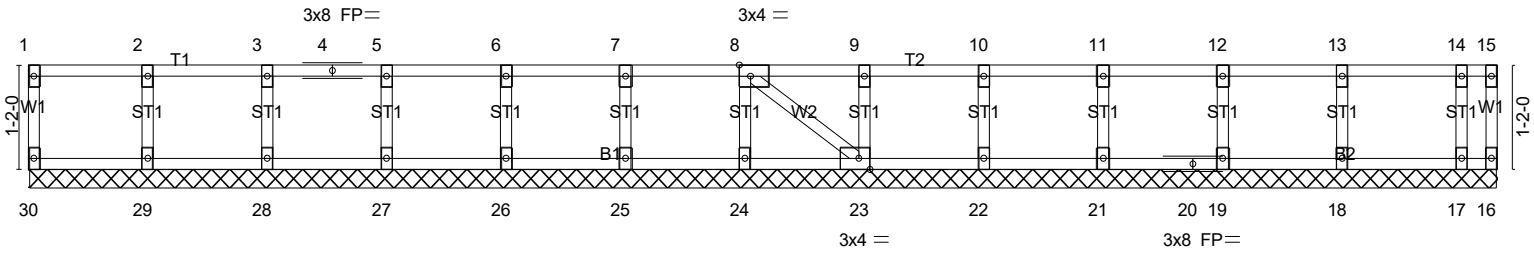

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [23:0-1-8,Edge]

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	16	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)
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 16-4-12.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 16
Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 19, 18, 17

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

NOTES- (7-8)
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F211	Floor	1	1	Job Reference (optional) **# 53248**

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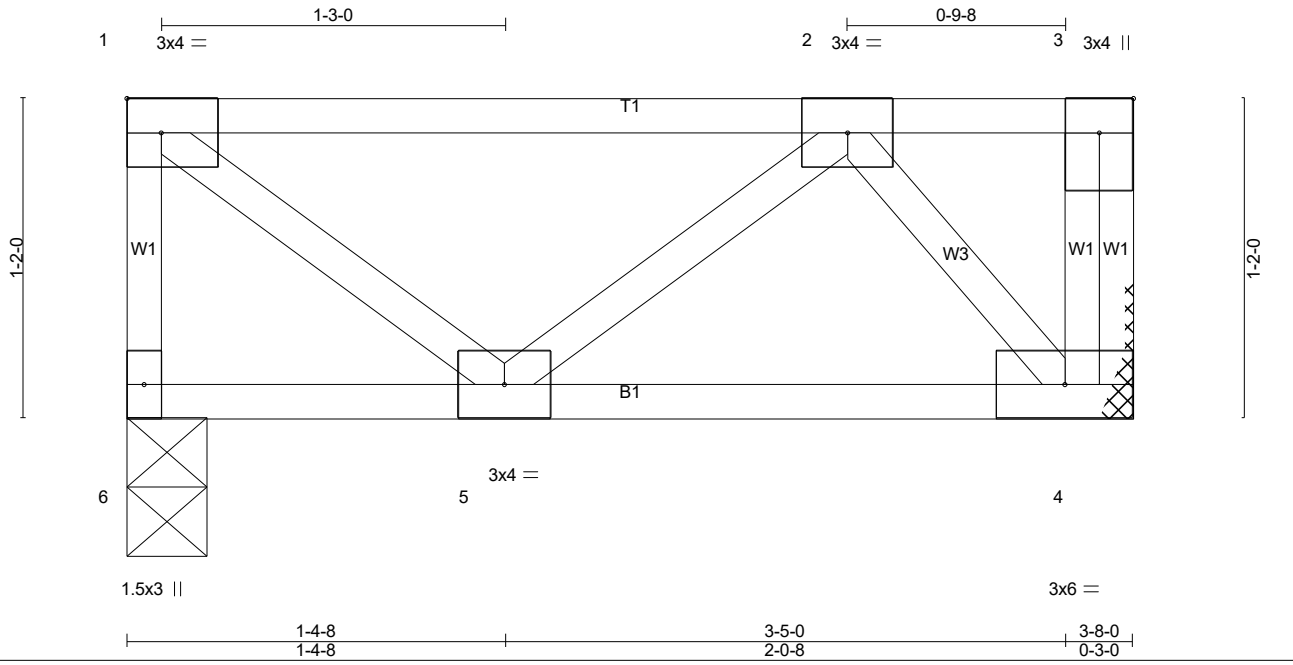

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 21 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 3-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=191/0-3-8 (min. 0-1-8), 4=191/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-271/0

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

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F212	Floor Girder	1	1	Job Reference (optional) **# 53248**

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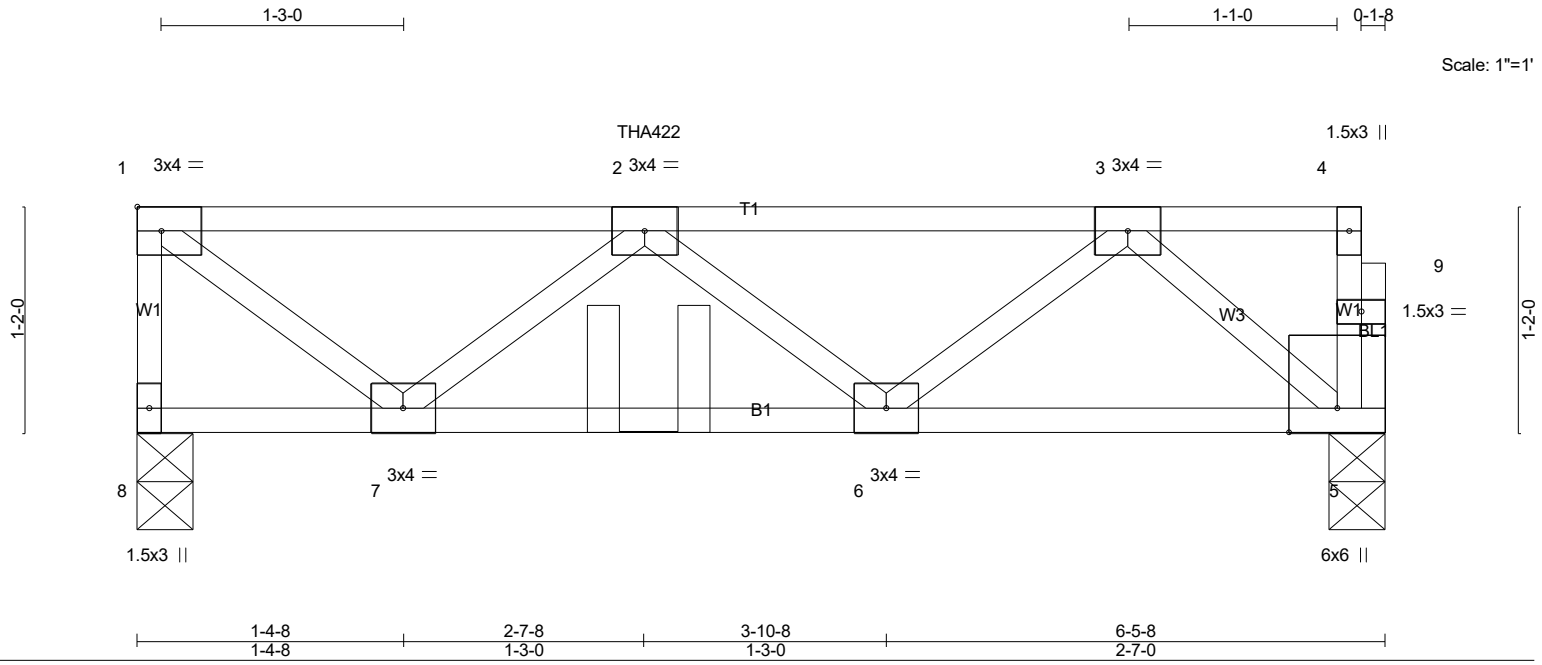

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%F, 11%E

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

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=376/0-3-8 (min. 0-1-8), 5=361/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-371/0, 1-2=-340/0, 2-3=-524/0
BOT CHORD 6-7=0/641, 5-6=0/374
WEBS 1-7=0/434, 2-7=-392/0, 3-5=-492/0

NOTES- (6)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) CAUTION, Do not erect truss backwards.
3) 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.
4) Fill all nail holes where hanger is in contact with lumber.
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: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 2=-53(F)

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F213	Floor Girder	1	1	Job Reference (optional) **# 53248**

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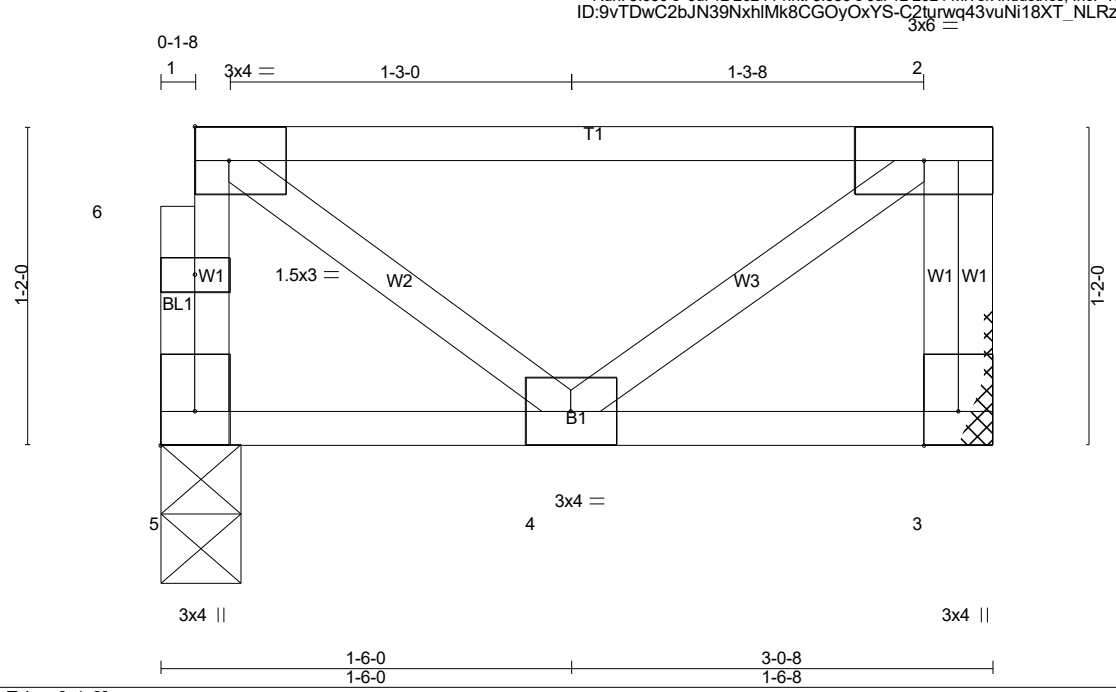

Plate Offsets (X,Y)-- [5:Edge,0-1-8]

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	0.52	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=147/0-3-8 (min. 0-1-8), 3=153/Mechanical

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

NOTES- (4)
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.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F215	Floor Supported Gable	1	1	# 53248
					Job Reference (optional)

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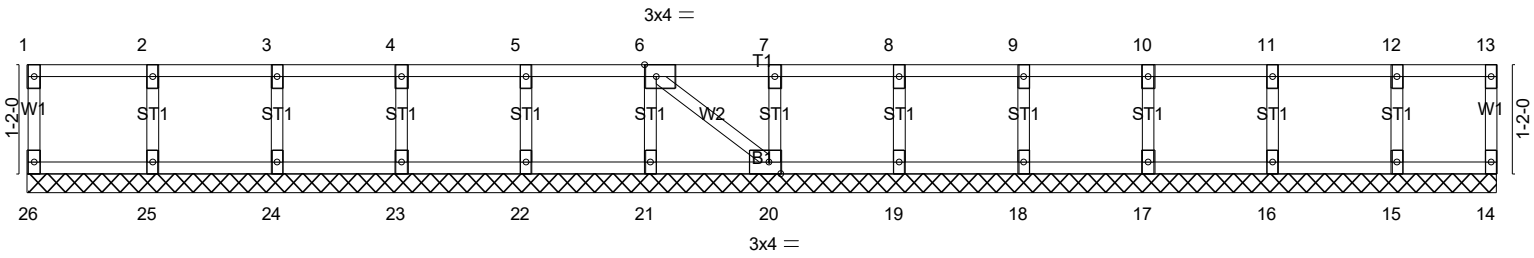

15-8-14
15-8-14

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [20:0-1-8,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	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 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-8-14.
(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- (6-7)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F216	Floor	3	1	Job Reference (optional) **# 53248**

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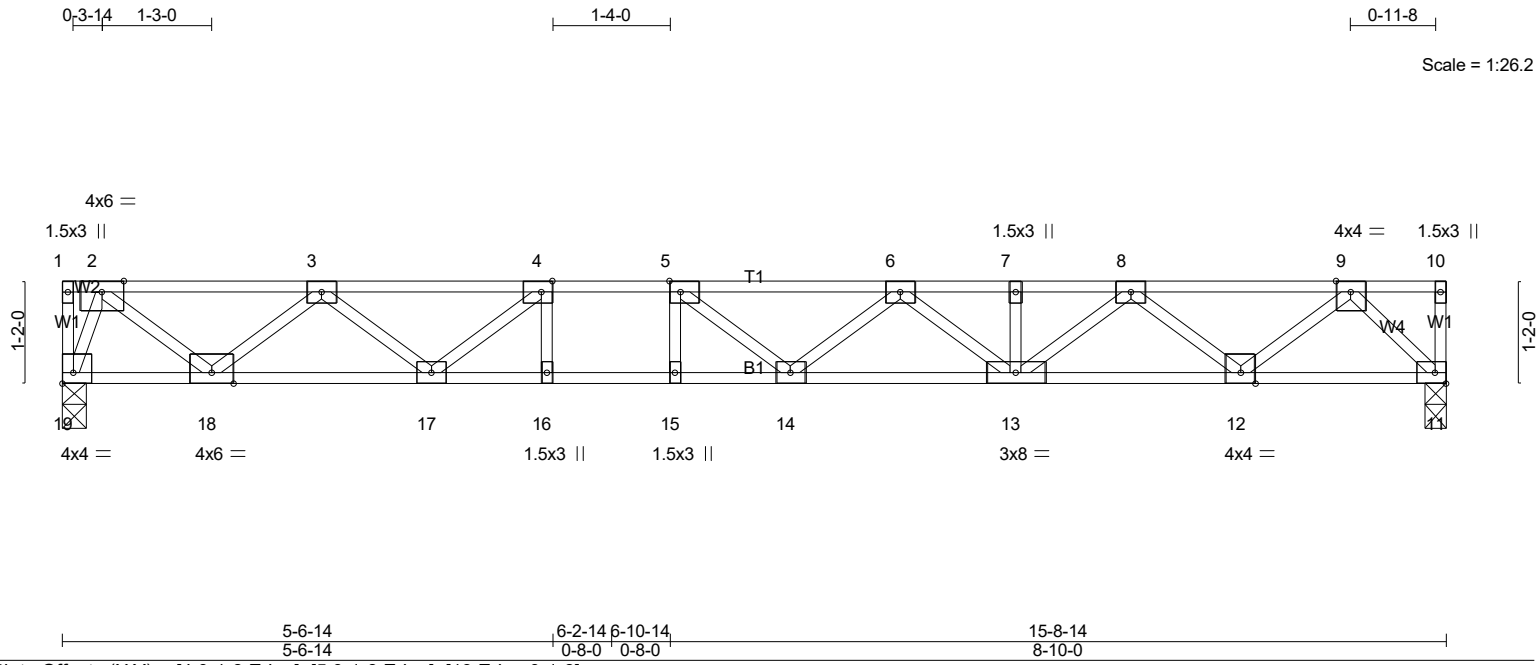

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [19:Edge,0-1-8]

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	0.55	Vert(LL)	-0.21	14-15	>873	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.29	14-15	>636	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 19=859/0-3-6 (min. 0-1-8), 11=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 2-3=-1179/0, 3-4=-2469/0, 4-5=-3071/0, 5-6=-3158/0, 6-7=-2733/0, 7-8=-2733/0, 8-9=-1565/0
BOT CHORD 18-19=0/352, 17-18=0/1965, 16-17=0/3071, 15-16=0/3071, 14-15=0/3071, 13-14=0/3123, 12-13=0/2276, 11-12=0/821
WEBS 4-16=-25/288, 5-15=-266/47, 4-17=-823/0, 3-17=0/656, 3-18=-1024/0, 2-18=0/1075, 2-19=-1016/0, 5-14=-231/315, 6-13=-498/0, 8-13=0/583, 8-12=-925/0, 9-12=0/970, 9-11=-1172/0

NOTES- (4-5)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F217	Floor	1	1	# 53248
					Job Reference (optional)

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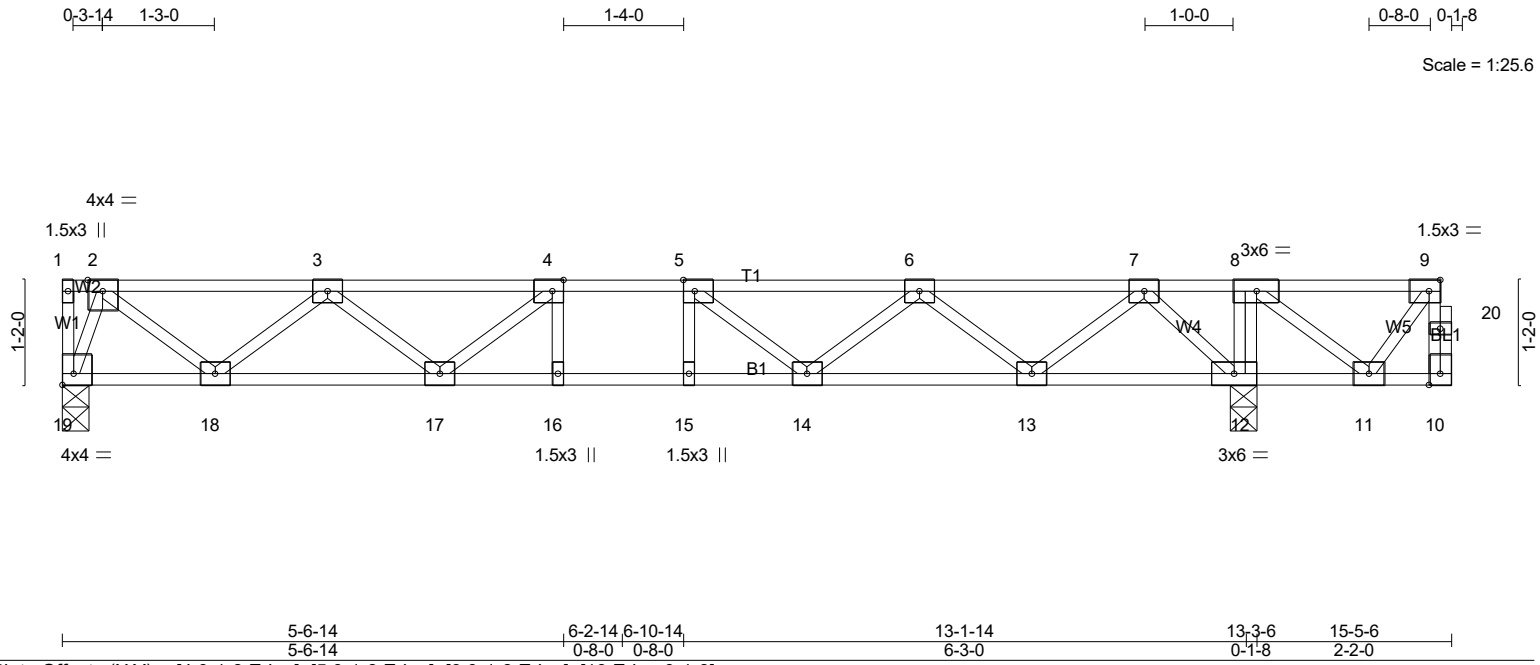

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [9:0-1-8,Edge], [19:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.10	15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.13	15	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	12	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) 12=971/0-3-8 (min. 0-1-8), 19=701/0-3-6 (min. 0-1-8)
Max Grav 12=971(LC 1), 19=715(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-954/0, 3-4=-1898/0, 4-5=-2220/0, 5-6=-2036/0, 6-7=-1260/0
BOT CHORD 18-19=0/294, 17-18=0/1584, 16-17=0/2220, 15-16=0/2220, 14-15=0/2220, 13-14=0/1816, 12-13=-21/680
WEBS 8-12=-285/0, 4-17=-503/0, 3-17=0/422, 3-18=-820/0, 2-18=0/859, 2-19=-847/0, 5-14=-426/2, 6-14=0/367, 6-13=-746/0, 7-13=0/779, 7-12=-992/0

NOTES- (5-6)
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F218	Floor	1	1	# 53248
					Job Reference (optional)

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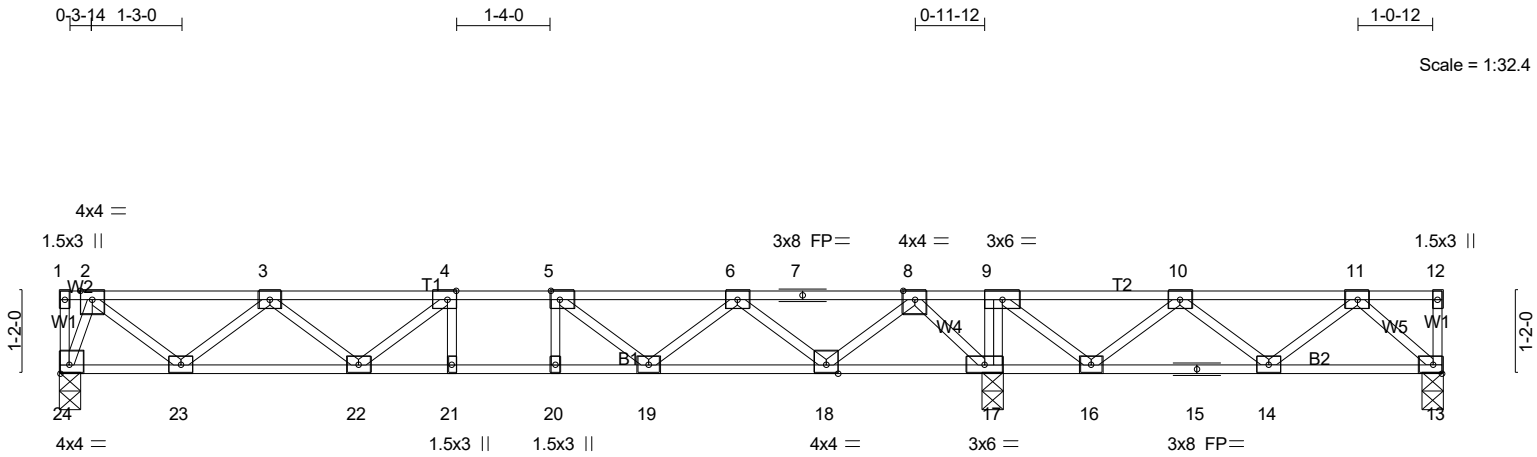

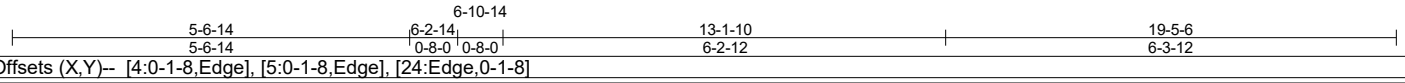

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.07	21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.10	21	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	17	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) 13=108/0-3-8 (min. 0-1-8), 17=1412/0-3-8 (min. 0-1-8), 24=606/0-3-6 (min. 0-1-8)
Max Uplift13=-126(LC 3)
Max Grav 13=264(LC 4), 17=1412(LC 1), 24=614(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-795/0, 3-4=-1496/0, 4-5=-1623/0, 5-6=-1243/0, 8-9=0/1359, 9-10=0/933, 10-11=-280/367
BOT CHORD 23-24=0/253, 22-23=0/1315, 21-22=0/1623, 20-21=0/1623, 19-20=0/1623, 18-19=0/889, 17-18=-574/0, 16-17=-1359/0, 15-16=-619/278, 14-15=-619/278
WEBS 9-17=-634/0, 4-22=-255/24, 3-23=-677/0, 2-23=0/706, 2-24=-729/0, 5-19=-524/0, 6-19=0/472, 6-18=-883/0, 8-18=0/921, 8-17=-1131/0, 9-16=0/729, 10-16=-670/0, 10-14=0/327, 11-14=-282/41, 11-13=-338/205

NOTES- (6-7)
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 126 lb uplift at joint 13.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F219	Floor	1	1	Job Reference (optional) **# 53248**

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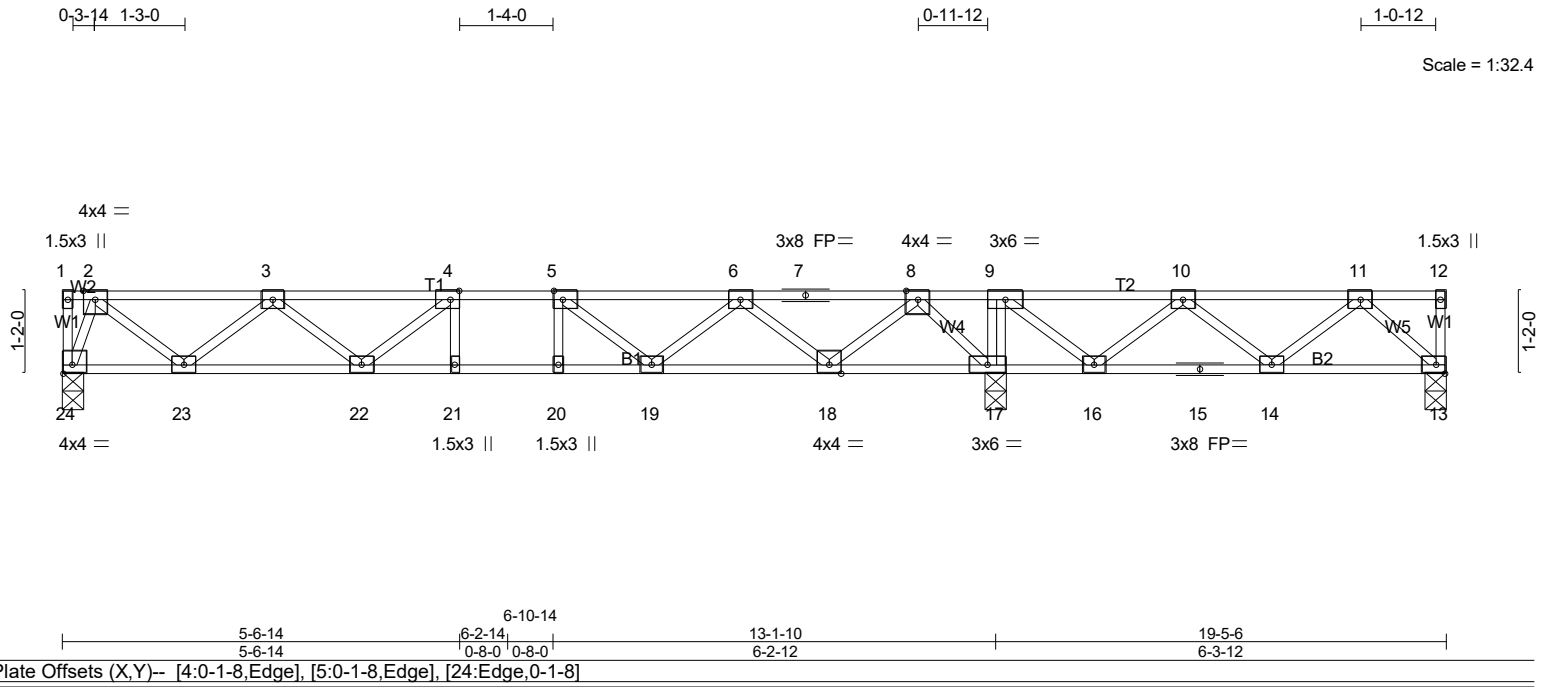

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.07	21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.10	21	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	17	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) 13=108/0-3-8 (min. 0-1-8), 17=1412/0-3-8 (min. 0-1-8), 24=606/0-3-6 (min. 0-1-8)
Max Uplift13=-126(LC 3)
Max Grav 13=264(LC 4), 17=1412(LC 1), 24=614(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-795/0, 3-4=-1496/0, 4-5=-1623/0, 5-6=-1243/0, 8-9=0/1359, 9-10=0/933, 10-11=-280/367
BOT CHORD 23-24=0/253, 22-23=0/1315, 21-22=0/1623, 20-21=0/1623, 19-20=0/1623, 18-19=0/889, 17-18=-574/0, 16-17=-1359/0, 15-16=-619/278, 14-15=-619/278
WEBS 9-17=-634/0, 4-22=-255/24, 3-23=-677/0, 2-23=0/706, 2-24=-729/0, 5-19=-524/0, 6-19=0/472, 6-18=-883/0, 8-18=0/921, 8-17=-1131/0, 9-16=0/729, 10-16=-670/0, 10-14=0/327, 11-14=-282/41, 11-13=-338/205

NOTES- (6-7)
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 126 lb uplift at joint 13.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F220	Floor	2	1	# 53248
					Job Reference (optional)

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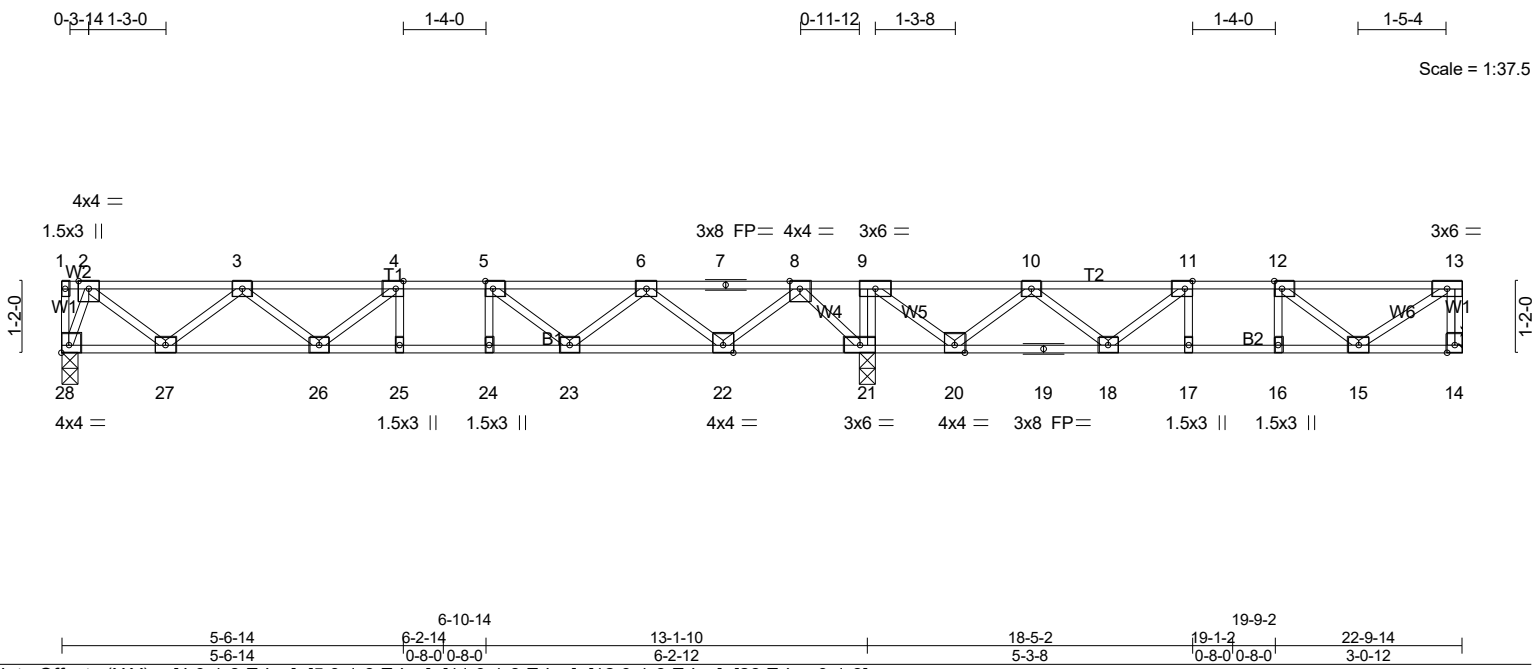

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [28:Edge,0-1-8]

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	0.44	Vert(LL)	-0.07	25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.10	25	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.02	21	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) 14=368/Mechanical, 21=1519/0-3-8 (min. 0-1-8), 28=603/0-3-6 (min. 0-1-8)
Max Grav 14=442(LC 4), 21=1519(LC 1), 28=634(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-433/0, 2-3=-827/0, 3-4=-1576/0, 4-5=-1741/0, 5-6=-1400/0, 6-7=-428/272, 7-8=-428/272, 8-9=0/1481, 9-10=0/777, 10-11=-679/319, 11-12=-858/93, 12-13=-473/10
BOT CHORD 27-28=0/261, 26-27=0/1369, 25-26=0/1741, 24-25=0/1741, 23-24=0/1741, 22-23=-63/1073, 21-22=-678/0, 20-21=-1481/0, 19-20=-513/473, 18-19=-513/473, 17-18=-93/858, 16-17=-93/858, 15-16=-93/858
WEBS 9-21=-741/0, 3-26=0/270, 3-27=-705/0, 2-27=0/736, 2-28=-752/0, 5-23=-568/0, 6-23=0/490, 6-22=-897/0, 8-22=0/936, 8-21=-1105/0, 11-18=-465/0, 10-18=0/395, 10-20=-823/0, 9-20=0/916, 12-15=-491/107, 13-15=-12/568

NOTES- (6-7)
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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F221	Floor	1	1	Job Reference (optional) **# 53248**

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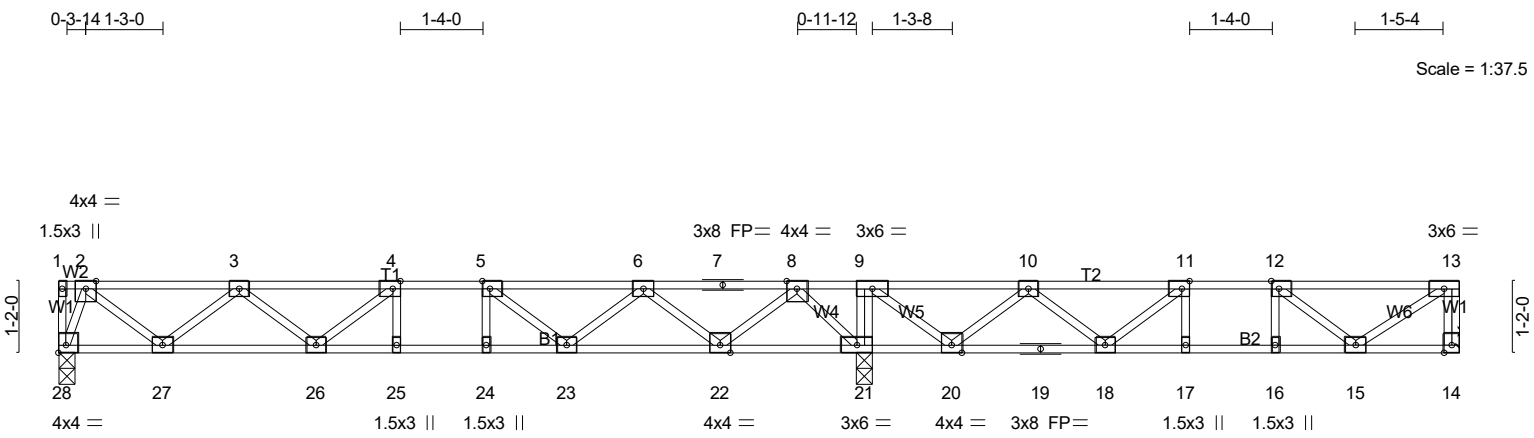

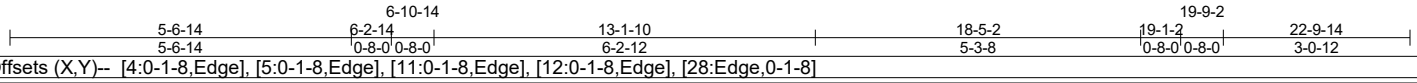

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [28:Edge,0-1-8]

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	0.44	Vert(LL)	-0.07	25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.10	25	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.02	21	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) 14=368/Mechanical, 21=1519/0-3-8 (min. 0-1-8), 28=603/0-3-6 (min. 0-1-8)
Max Grav 14=442(LC 4), 21=1519(LC 1), 28=634(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-433/0, 2-3=-827/0, 3-4=-1576/0, 4-5=-1741/0, 5-6=-1400/0, 6-7=-428/272, 7-8=-428/272, 8-9=0/1481, 9-10=0/777, 10-11=-679/319, 11-12=-858/93, 12-13=-473/10
BOT CHORD 27-28=0/261, 26-27=0/1369, 25-26=0/1741, 24-25=0/1741, 23-24=0/1741, 22-23=-63/1073, 21-22=-678/0, 20-21=-1481/0, 19-20=-513/473, 18-19=-513/473, 17-18=-93/858, 16-17=-93/858, 15-16=-93/858
WEBS 9-21=-741/0, 3-26=0/270, 3-27=-705/0, 2-27=0/736, 2-28=-752/0, 5-23=-568/0, 6-23=0/490, 6-22=-897/0, 8-22=0/936, 8-21=-1105/0, 11-18=-465/0, 10-18=0/395, 10-20=-823/0, 9-20=0/916, 12-15=-491/107, 13-15=-12/568

NOTES- (6-7)
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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F222	Floor	11	1	# 53248
					Job Reference (optional)

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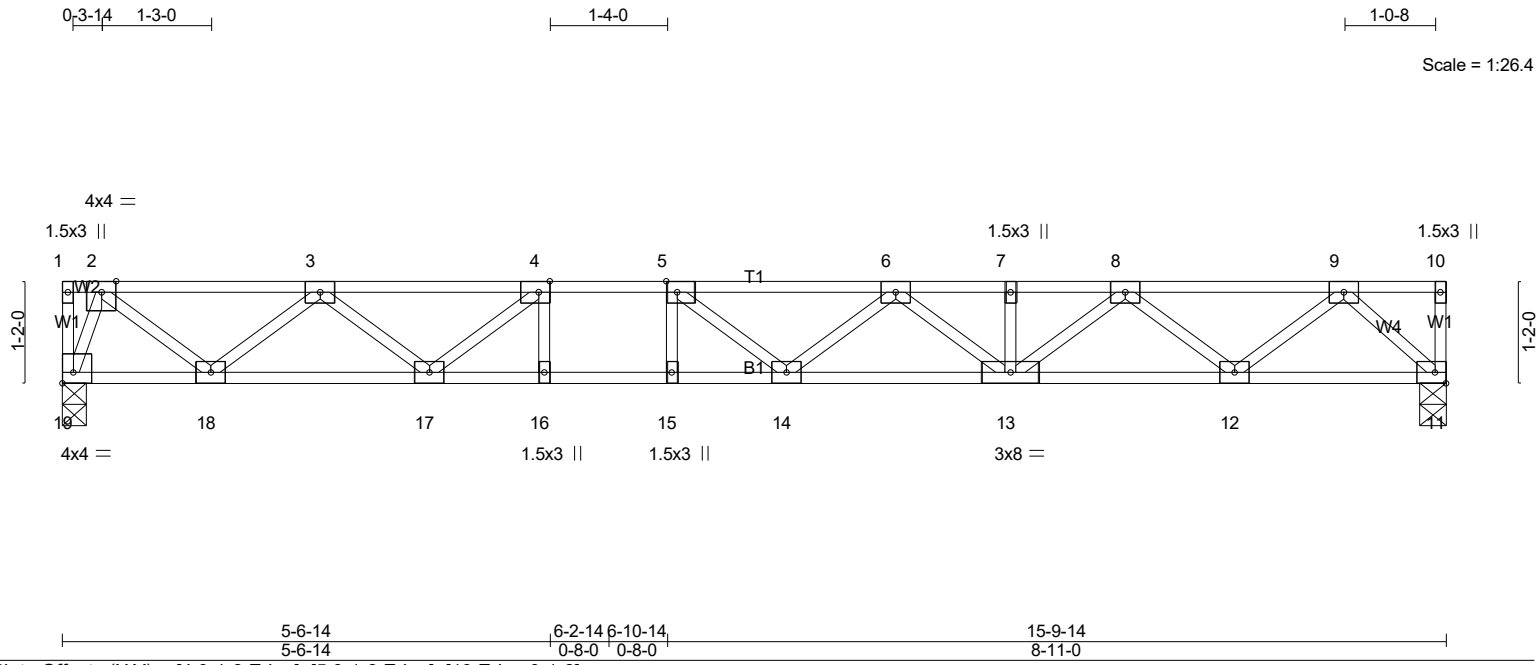

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [19:Edge,0-1-8]

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	0.33	Vert(LL)	-0.15	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.20	14-15	>938	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 19=576/0-3-6 (min. 0-1-8), 11=576/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-791/0, 3-4=-1658/0, 4-5=-2065/0, 5-6=-2129/0, 6-7=-1853/0, 7-8=-1853/0, 8-9=-1083/0
BOT CHORD 17-18=0/1318, 16-17=0/2065, 15-16=0/2065, 14-15=0/2065, 13-14=0/2110, 12-13=0/1553, 11-12=0/589
WEBS 4-17=-556/0, 3-17=0/442, 3-18=-687/0, 2-18=0/722, 2-19=-681/0, 6-13=-328/0, 8-13=0/383, 8-12=-612/0, 9-12=0/642, 9-11=-810/0

NOTES- (4-5)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F223	Floor	2	1	# 53248
					Job Reference (optional)

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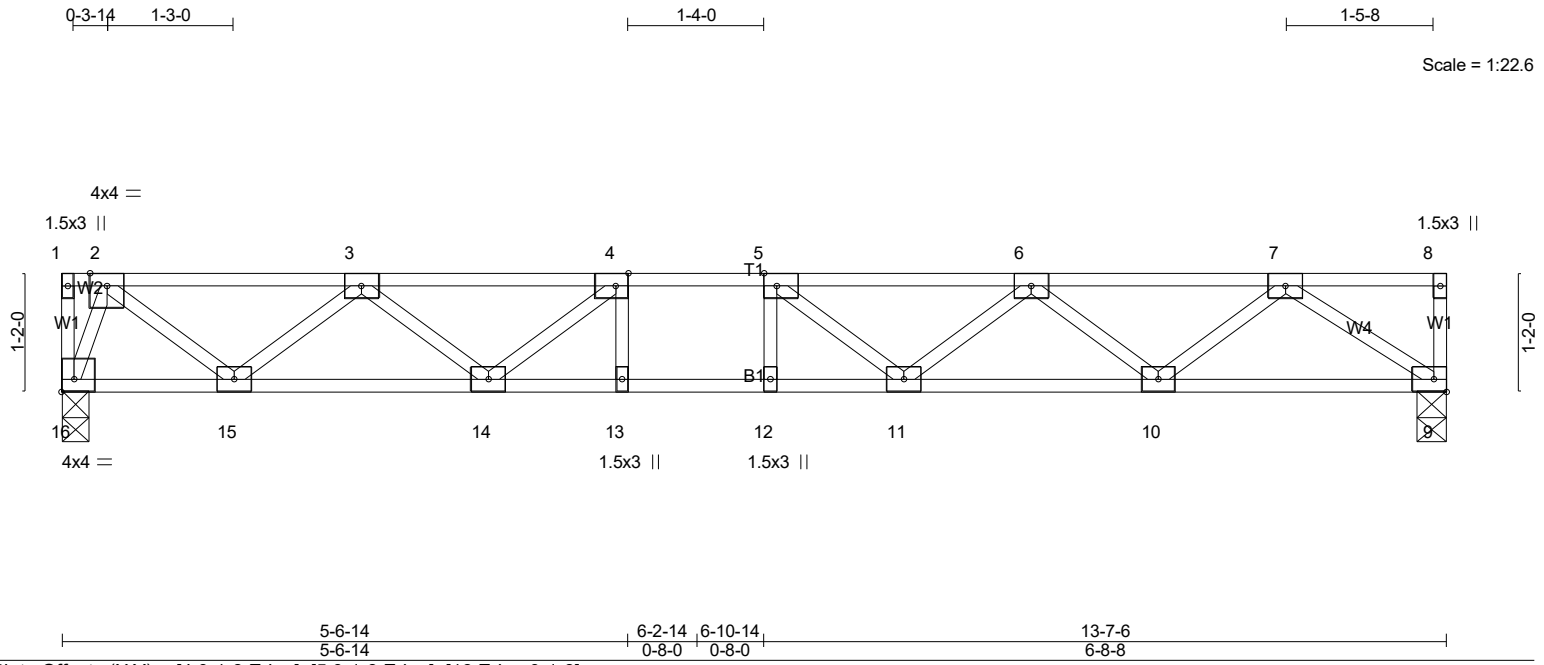

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [16:Edge,0-1-8]

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	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.10	12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	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=495/0-3-6 (min. 0-1-8), 9=495/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-664/0, 3-4=-1337/0, 4-5=-1586/0, 5-6=-1497/0, 6-7=-1027/0
BOT CHORD 14-15=0/1104, 13-14=0/1586, 12-13=0/1586, 11-12=0/1586, 10-11=0/1375, 9-10=0/658
WEBS 4-14=-376/0, 3-14=0/309, 3-15=-572/0, 2-15=0/600, 2-16=-586/0, 6-10=-453/0, 7-10=0/481, 7-9=-797/0

NOTES- (4-5)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F224	Floor	3	1	# 53248
					Job Reference (optional)

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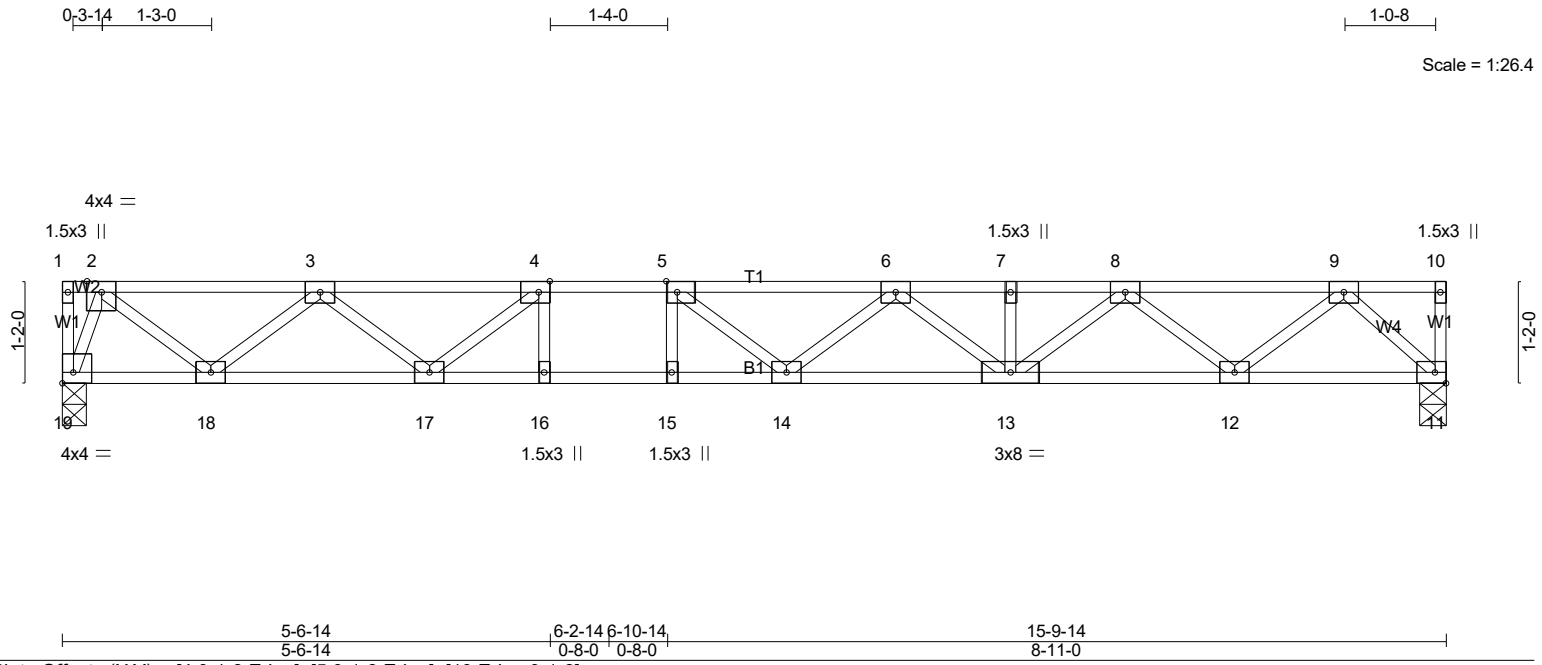

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [19:Edge,0-1-8]

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	0.33	Vert(LL)	-0.15	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.20	14-15	>938	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 19=576/0-3-6 (min. 0-1-8), 11=576/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-791/0, 3-4=-1658/0, 4-5=-2065/0, 5-6=-2129/0, 6-7=-1853/0, 7-8=-1853/0, 8-9=-1083/0
BOT CHORD 17-18=0/1318, 16-17=0/2065, 15-16=0/2065, 14-15=0/2065, 13-14=0/2110, 12-13=0/1553, 11-12=0/589
WEBS 4-17=-556/0, 3-17=0/442, 3-18=-687/0, 2-18=0/722, 2-19=-681/0, 6-13=-328/0, 8-13=0/383, 8-12=-612/0, 9-12=0/642, 9-11=-810/0

NOTES- (4-5)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F225	Floor	6	1	# 53248
					Job Reference (optional)

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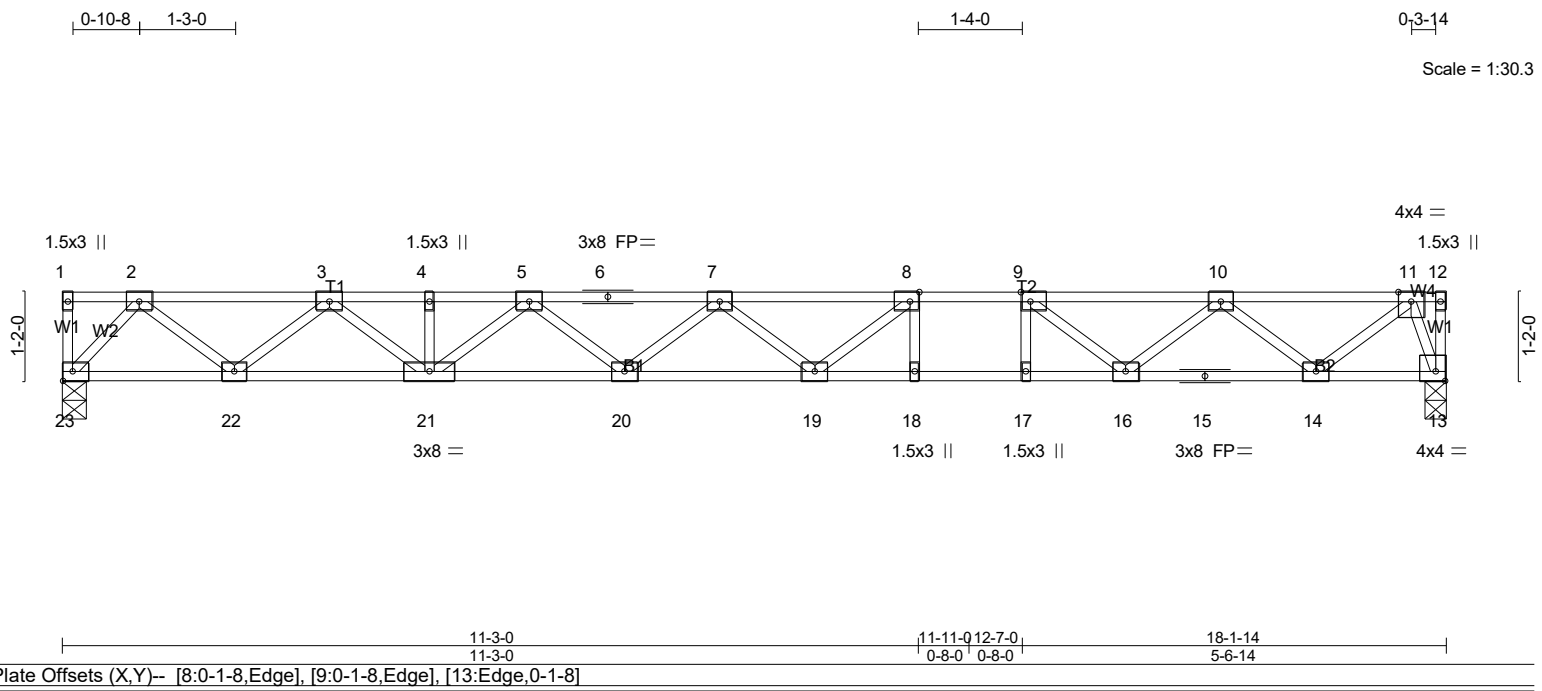

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,Edge], [13:Edge,0-1-8]

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	0.48	Vert(LL)	-0.25	18-19	>879	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.34	18-19	>639	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.05	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 92 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=661/0-3-6 (min. 0-1-8), 23=661/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1195/0, 3-4=-2216/0, 4-5=-2216/0, 5-6=-2732/0, 6-7=-2732/0, 7-8=-2801/0, 8-9=-2569/0, 9-10=-1998/0, 10-11=-924/0
BOT CHORD 22-23=0/587, 21-22=0/1783, 20-21=0/2557, 19-20=0/2898, 18-19=0/2569, 17-18=0/2569, 16-17=0/2569, 15-16=0/1545, 14-15=0/1545, 13-14=0/271
WEBS 8-18=-257/0, 9-17=0/272, 8-19=-67/414, 5-21=-436/0, 3-21=0/552, 3-22=-766/0, 2-22=0/791, 2-23=-878/0, 9-16=-750/0, 10-16=0/589, 10-14=-809/0, 11-14=0/850, 11-13=-781/0

NOTES- (4-5)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F225A	Floor	2	1	# 53248
					Job Reference (optional)

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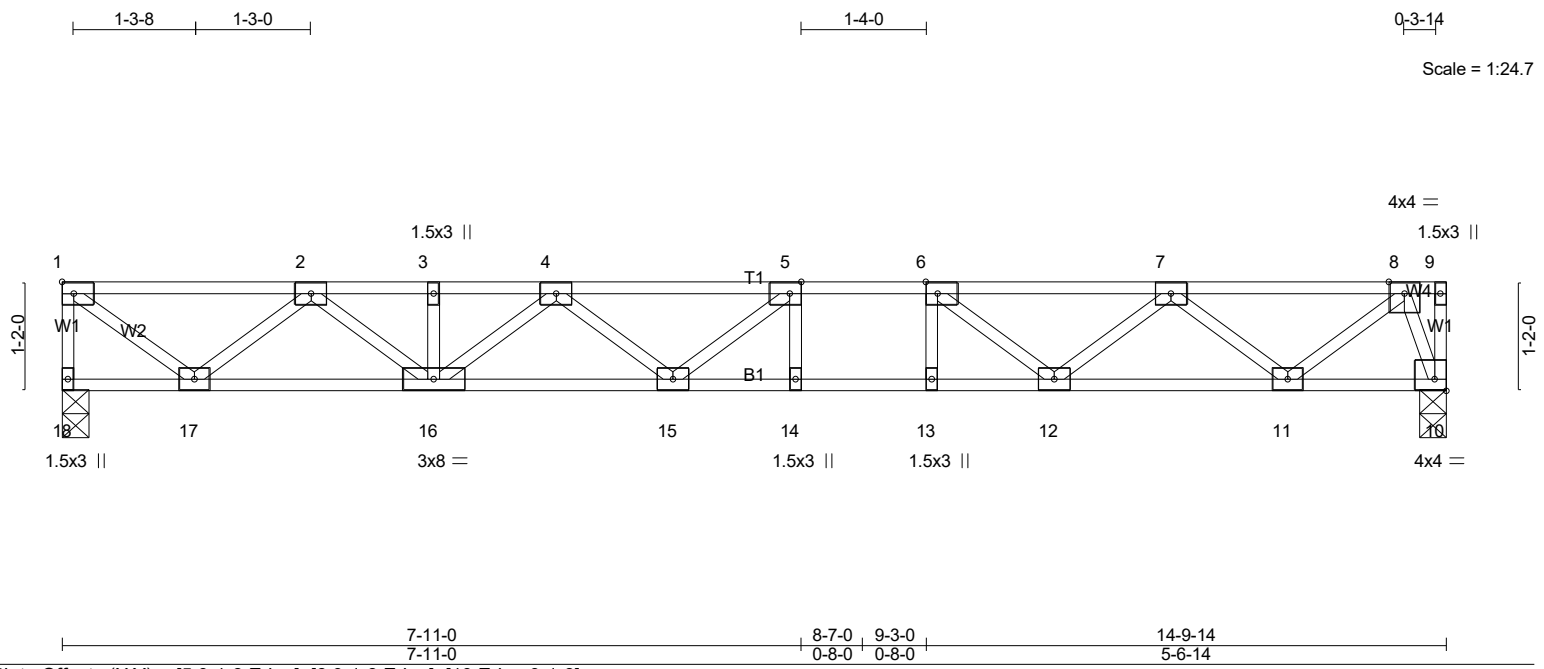

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [10:Edge,0-1-8]

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	0.28	Vert(LL)	-0.11	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.15	14-15	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	10	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) 18=539/0-3-8 (min. 0-1-8), 10=539/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-535/0, 1-2=-603/0, 2-3=-1474/0, 3-4=-1474/0, 4-5=-1842/0, 5-6=-1849/0, 6-7=-1513/0, 7-8=-733/0
BOT CHORD 16-17=0/1141, 15-16=0/1774, 14-15=0/1849, 13-14=0/1849, 12-13=0/1849, 11-12=0/1221
WEBS 4-16=-383/0, 2-16=0/426, 2-17=-701/0, 1-17=0/760, 6-12=-474/0, 7-12=0/379, 7-11=-635/0, 8-11=0/666, 8-10=-638/0

NOTES- (4-5)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 HONEYCUTT HILLS | 371 SHELBY MEADOW LANE ANGIER, NC
24-8566-F02	F226	Floor Supported Gable	1	1	Job Reference (optional) **# 53248**

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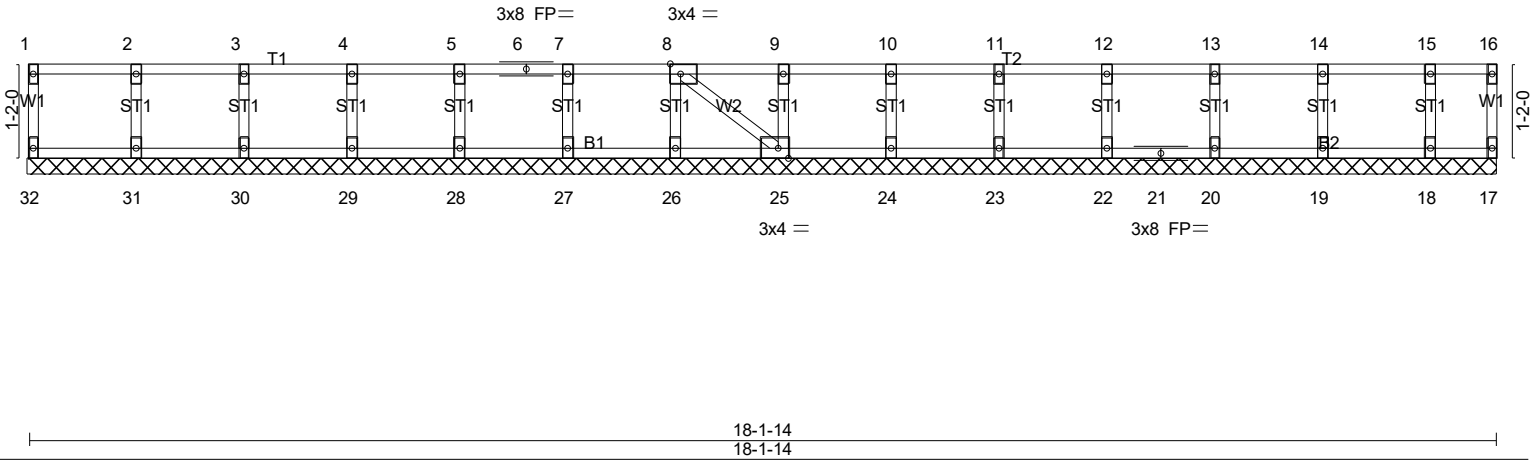

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [25:0-1-8,Edge]

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	17	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 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)
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 18-1-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 20, 19, 18

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

NOTES- (6-7)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

10/9/2024