

Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483

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

AST #: 58879

JOB: 25-3336-F02

JOB NAME: LOT 0.0048 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.

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



4/25/2025

Mark Morris

My license renewal date for the state of North Carolina is 12/31/2025

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

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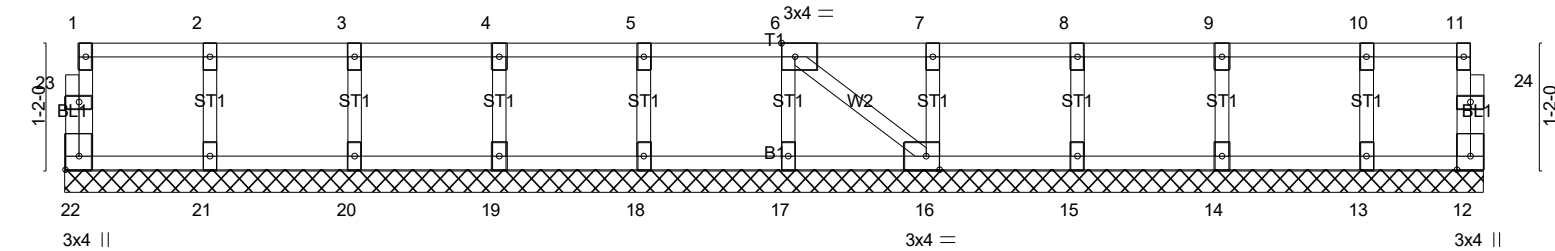
Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F200	Floor Supported Gable	1	1	Job Reference (optional) # 58879

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:19:16 2025 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-a2IndWQ4Tsucyt9FoLniWDeVsZbmTBtfMhtA?HzMoAf

0-1-8

0-1-8

Scale = 1:21.3



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

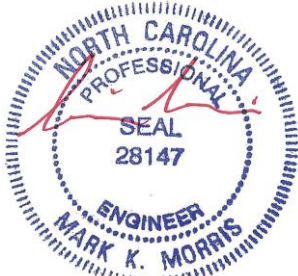
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F201	Floor	2	1	
					Job Reference (optional) # 58879

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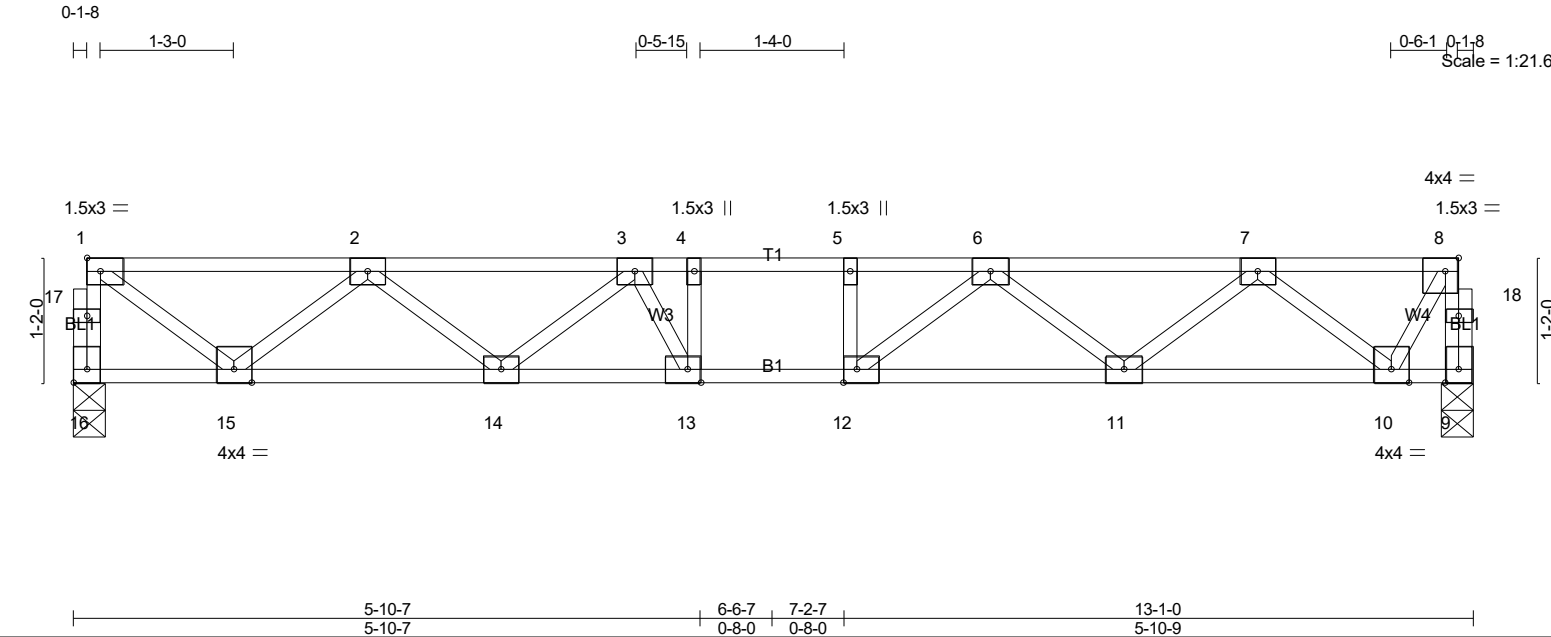


Plate Offsets (X,Y)--		[8:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:Edge,0-1-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 40.0	Plate Grip DOL	1.00	TC 0.28
TCDL 10.0	Lumber DOL	1.00	BC 0.43
BCLL 0.0	Rep Stress Incr	YES	WB 0.45
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	-0.08 12-13	>999	480
Vert(CT)	-0.12 12-13	>999	360
Horz(CT)	0.03 9	n/a	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 68 lb		FT = 20%F, 11%E	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
REACTIONS. (lb/size)	
16=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

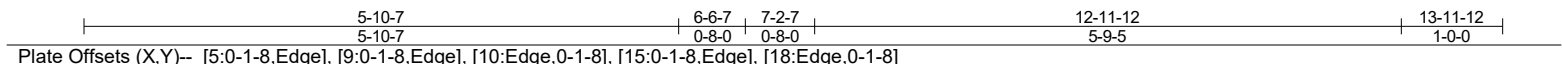


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LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.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



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F202	Floor	2	1	Job Reference (optional) # 58879

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- LOAD CASE(S)** Standard
Concentrated Loads (lb)
Vert: 9=-3680
- 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



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F202A	Floor	3	1	
					Job Reference (optional) # 58879

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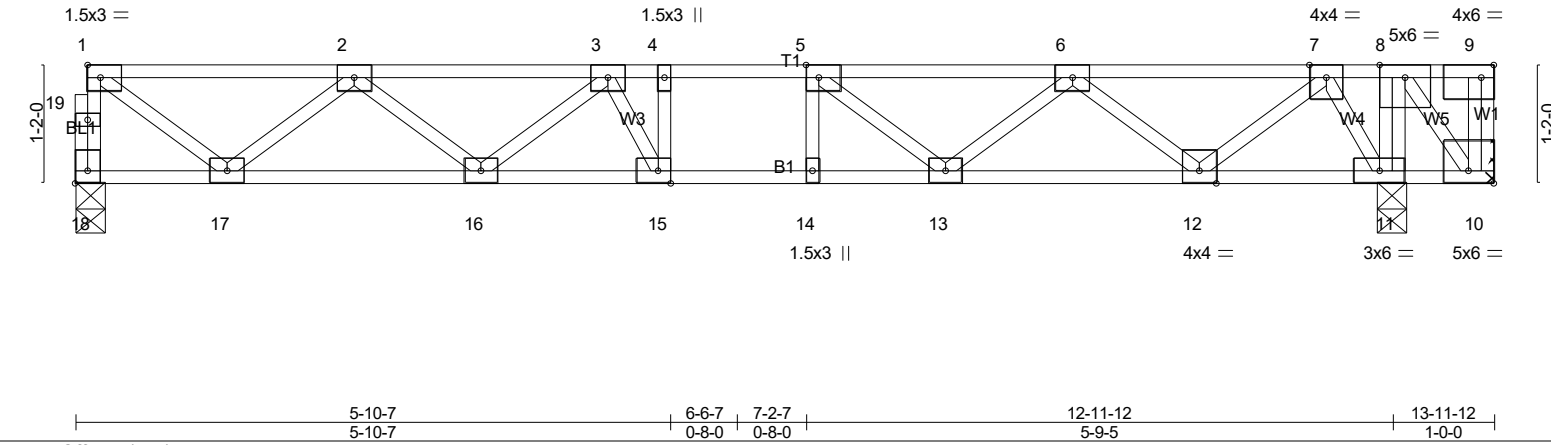
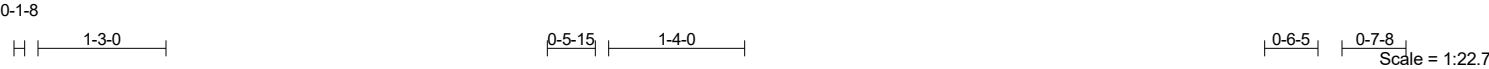


Plate Offsets (X,Y)--		[5:0-1-8,Edge], [9:0-1-8,Edge], [10:Edge,0-1-8], [15:0-1-8,Edge], [18:Edge,0-1-8]
LOADING (psf)	SPACING-	2-0-0
TCLL 40.0	Plate Grip DOL	1.00
TCDL 10.0	Lumber DOL	1.00
BCLL 0.0	Rep Stress Incr	NO
BCDL 5.0	Code IRC2021/TPI2014	
CSL	TC 0.42	
	BC 0.52	
	WB 0.85	
	Matrix-SH	
DEFL.	in (loc)	l/defl
Vert(LL)	-0.07 15-16	>999 480
Vert(CT)	-0.10 15-16	>999 360
Horz(CT)	0.02 11	n/a n/a
PLATES	GRIP	
MT20	244/190	
Weight: 75 lb		FT = 20%F, 11%E

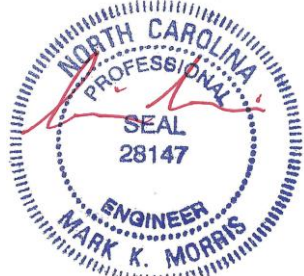
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-12,10-11.
WEBS 2x4 SP No.3(flat)	

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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F202A	Floor	3	1	Job Reference (optional) # 58879

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LOAD CASE(S)

- Concentrated Loads (lb)
Vert: 9=-3680
- 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

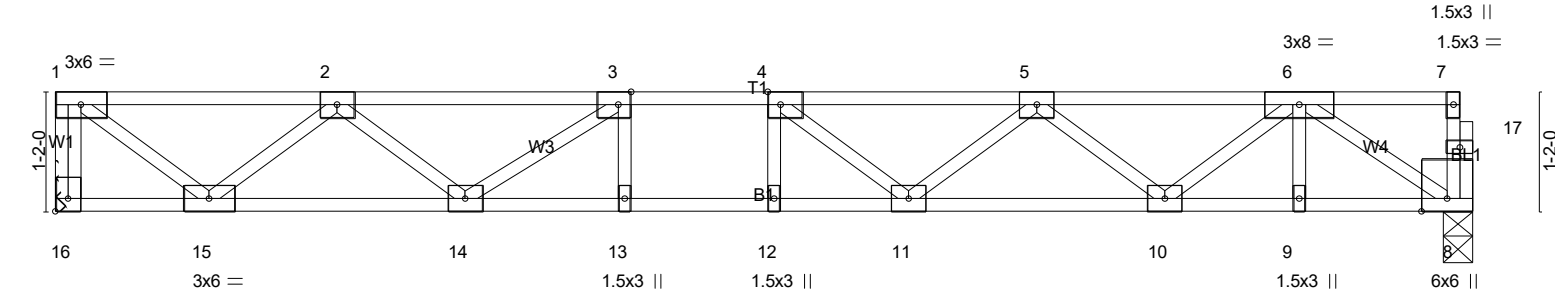
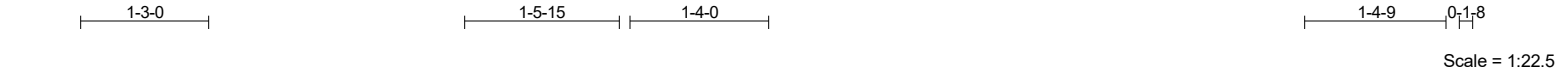


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25-3336-F02	F203	Floor	4	1	
Job Reference (optional)					# 58879

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5-7-7	6-3-7	6-11-7	12-0-15	13-3-15	13-10-0
5-7-7	0-8-0	0-8-0	5-1-8	1-3-0	0-6-1
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-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 16=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)
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - Refer to girder(s) for truss to truss connections.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F204	Floor	4	1	
					Job Reference (optional) # 58879

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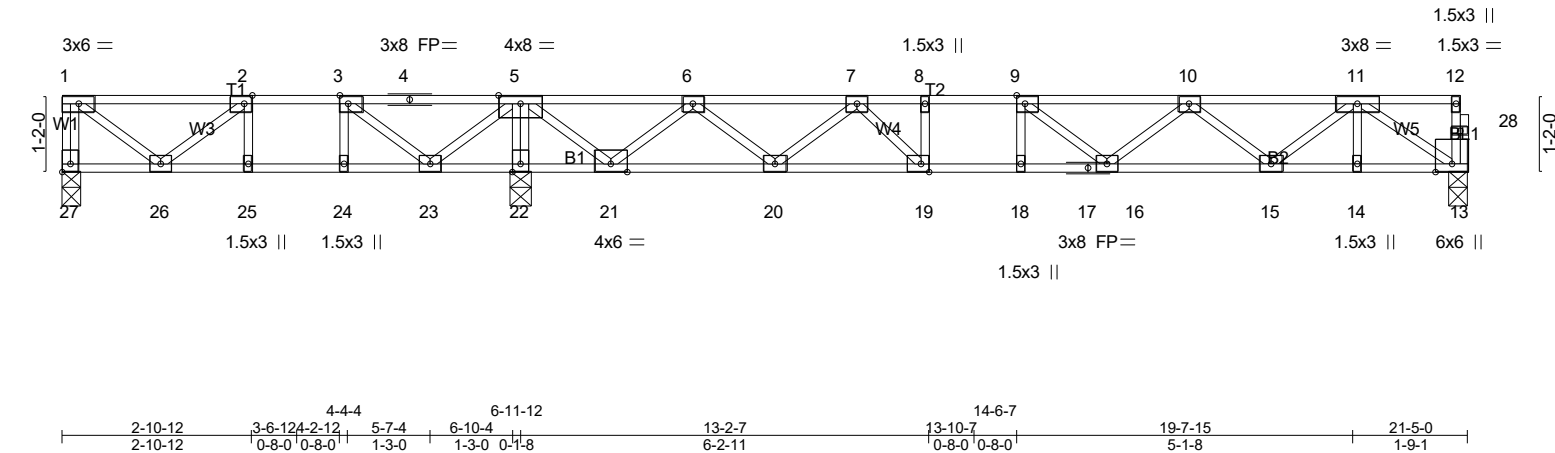


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:0-1-8,Edge], [19:0-1-8,Edge], [27:Edge,0-1-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.13 16-18 >999	480	MT20 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	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

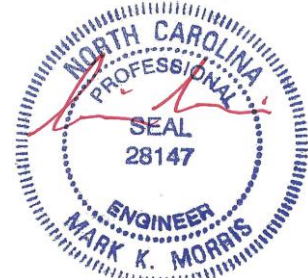
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		

REACTIONS. (lb/size) 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 Uplift 27=-50(LC 4)
Max Grav 27=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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F205	Floor	2	1	
					Job Reference (optional) # 58879

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:19:18 2025 Page 1
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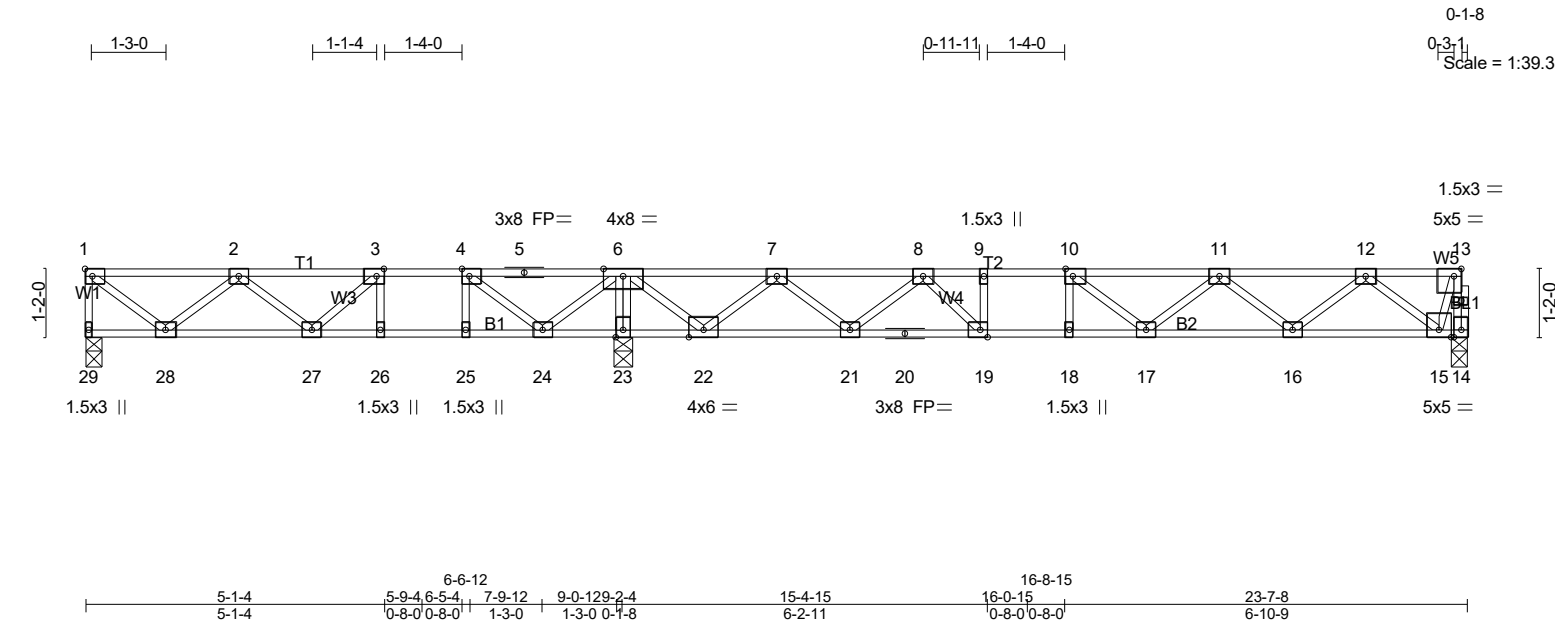


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,Edge], [19:0-1-8,Edge]							
LOADING (psf)		SPACING-		CSI.		DEFL.	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	in (loc)	L/d
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(LL) -0.12 17-18	>999 480
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Vert(CT) -0.17 17-18	>999 360
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH		Horz(CT) 0.03 14	n/a n/a
				Weight: 120 lb FT = 20%F, 11%E			

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

REACTIONS. (lb/size) 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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F206	Floor Supported Gable	1	1	Job Reference (optional) # 58879

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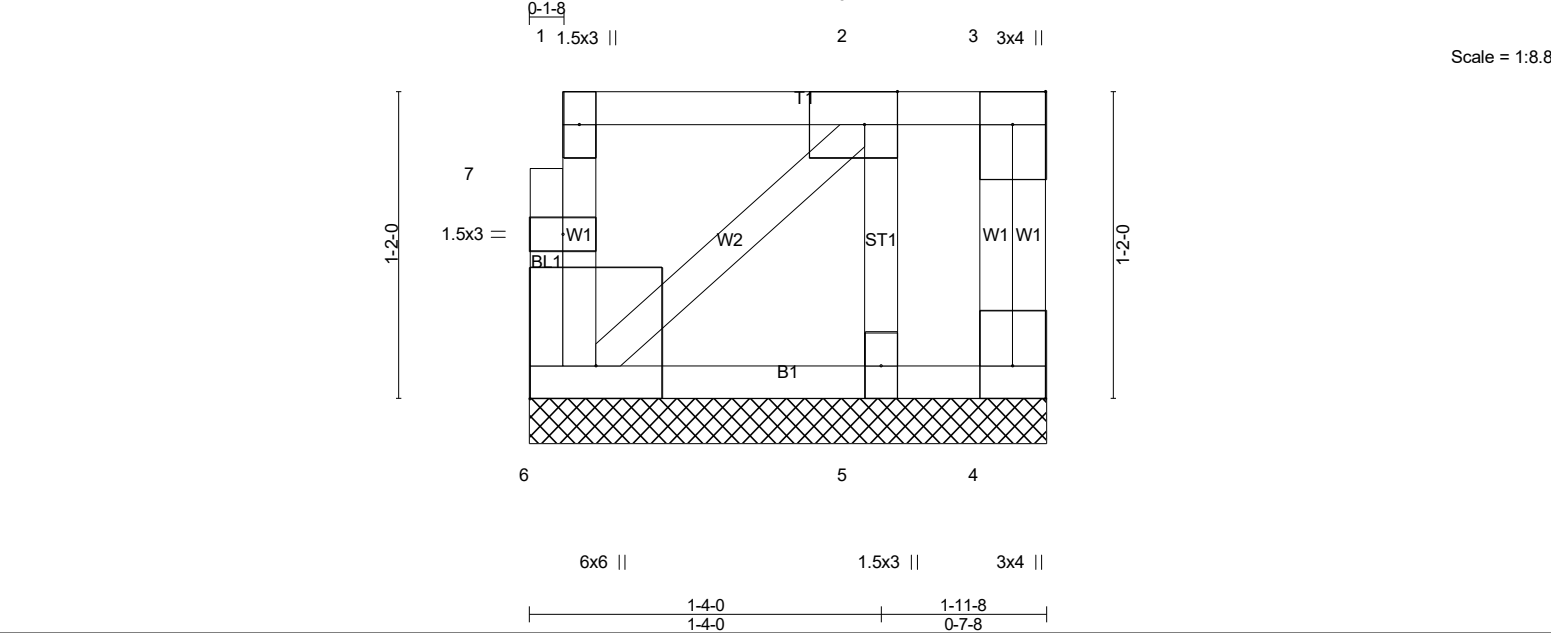


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [4:Edge,0-1-8], [6:Edge,0-3-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0	Rep 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

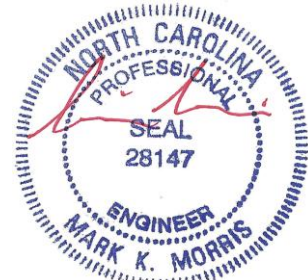
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 1-11-8 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. (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

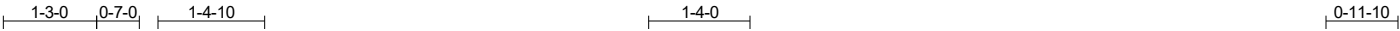


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F207	Floor	4	1	
					Job Reference (optional) # 58879

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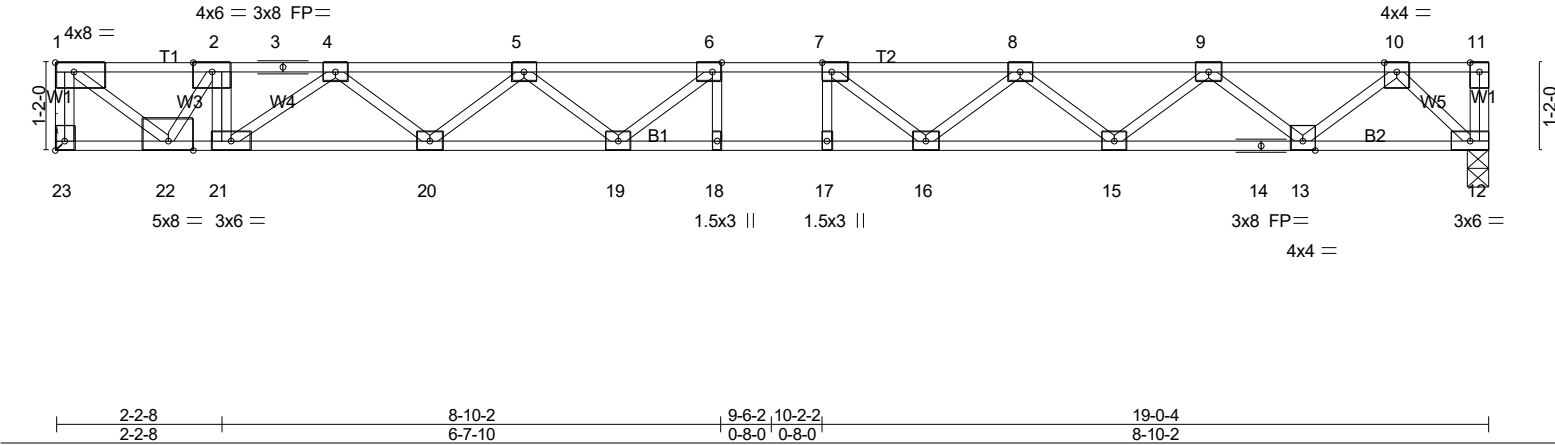


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [23:Edge,0-1-8]									
LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.55	Vert(LL)	-0.24	17-18	>934	480	MT20 244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.96	Vert(CT)	-0.42	18	>536	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-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 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



Continued on page 2

4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F207	Floor	4	1	Job Reference (optional) # 58879

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:19:19 2025 Page 2
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- LOAD CASE(S)** Standard
Concentrated Loads (lb)
Vert: 2=-600
- 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



4/25/2025

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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MITek Industries, Inc. Sat Apr 26 17:19:19 2025 Page 1
ID:WqGEjhAqGZsGZLRD2cp 4Yyqjl1?-d wGXTzmnGBpKugTTLp8sGwonRmqSU52f5gcczMoAc



Technical drawing of a roof truss system (Dachstuhl) showing a side elevation. The drawing includes various structural components and dimensions:

- Dimensions:**
 - Overall height: 12.0
 - Truss spacing: 1.5x3 ||
 - Truss height: 4x4 =
 - Truss width: 3x8 FP=
 - Truss depth: 1.5x3 ||
 - Truss width: 4x4 =
- Labels:**
 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 (Top nodes)
 - 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 (Bottom nodes)
 - T1, T2 (Trusses)
 - B1, B2 (Bracing)
 - W1, W2, W3, W4 (Wind bracing)
- Structural Components:**
 - Trusses (T1, T2)
 - Bracing (B1, B2)
 - Wind bracing (W1, W2, W3, W4)
 - Supports (14, 15)

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

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" o.c. 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



4/25/2025

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

Scale = 1:27.3

1 2 T1 3 4 5 6 7 T2 8 9 10 11

3x8 FP= 1.5x3 ||

1-2-0

W1 W2

21 20 19 18 17 16 15 14 13 12

3x6 = 3x8 = 1.5x3 || 1.5x3 || 3x8 FP=

B1 B2

W4

1-2-0

LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.32	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

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.

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

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F209B	Floor	1	1	
					Job Reference (optional) # 58879

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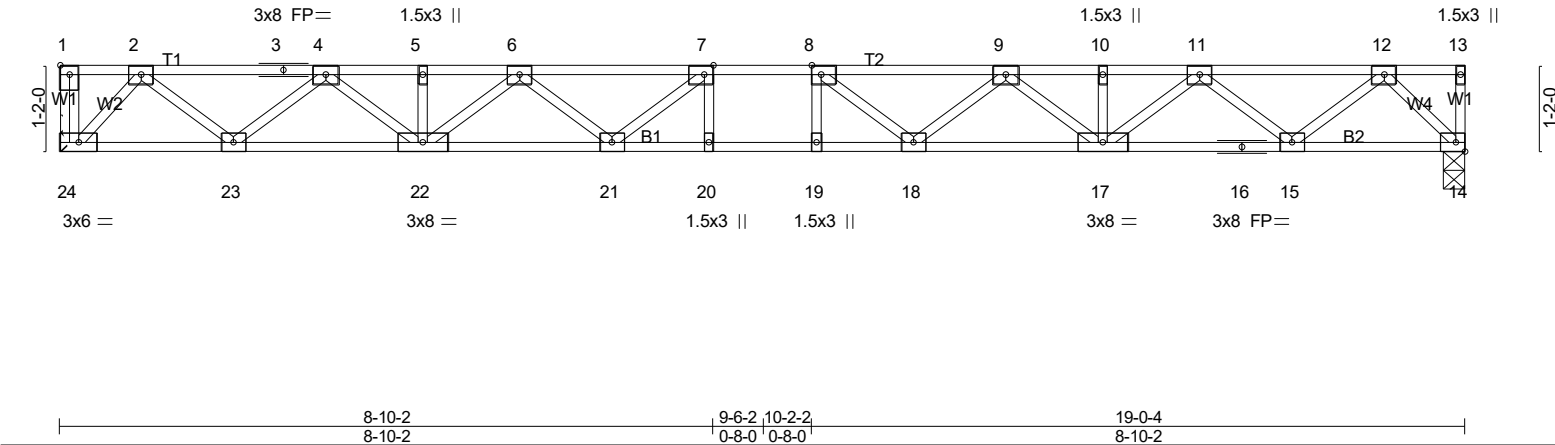
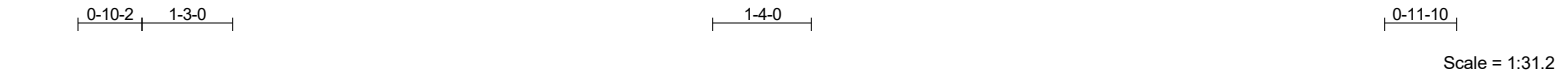


Plate Offsets (X,Y)--		[1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]	
LOADING (psf)	SPACING-	1-4-0	CSL
TCLL 40.0	Plate Grip DOL	1.00	TC 0.32
TCDL 10.0	Lumber DOL	1.00	BC 0.64
BCLL 0.0	Rep Stress Incr	YES	WB 0.40
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
DEFL.	in (loc)	L/defl	L/d
Vert(LL)	-0.24 19-20	>928	480
Vert(CT)	-0.34 19-20	>674	360
Horz(CT)	0.06 14	n/a	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 98 lb		FT = 20%F, 11%E	

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

REACTIONS. (lb/size) 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)
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - Refer to girder(s) for truss to truss connections.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - Graphical 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.
 - 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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F210	Floor Supported Gable	1	1	Job Reference (optional) # 58879

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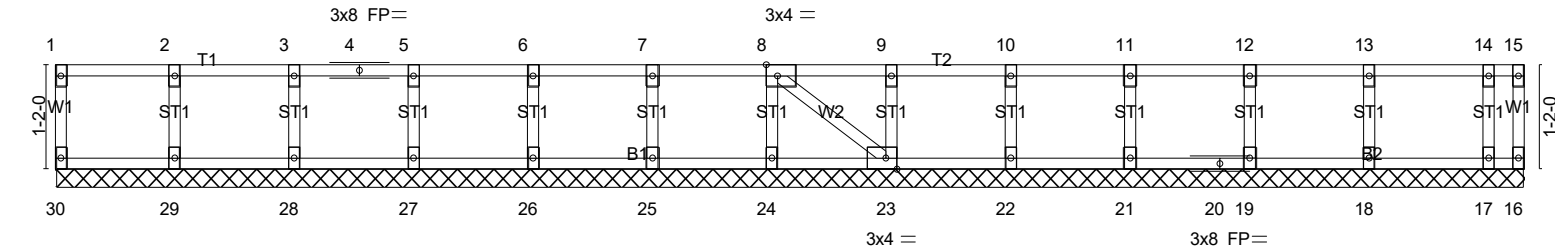


Plate Offsets (X,Y)-- [8:0-1-8,Edge], [23:0-1-8,Edge]		16-4-12 16-4-12	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/def L/d
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a - n/a 999
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a - n/a 999
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 16 n/a n/a
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	
		PLATES MT20	GRIP 244/190
		Weight: 70 lb FT = 20%F, 11%E	

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

REACTIONS. All bearings 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

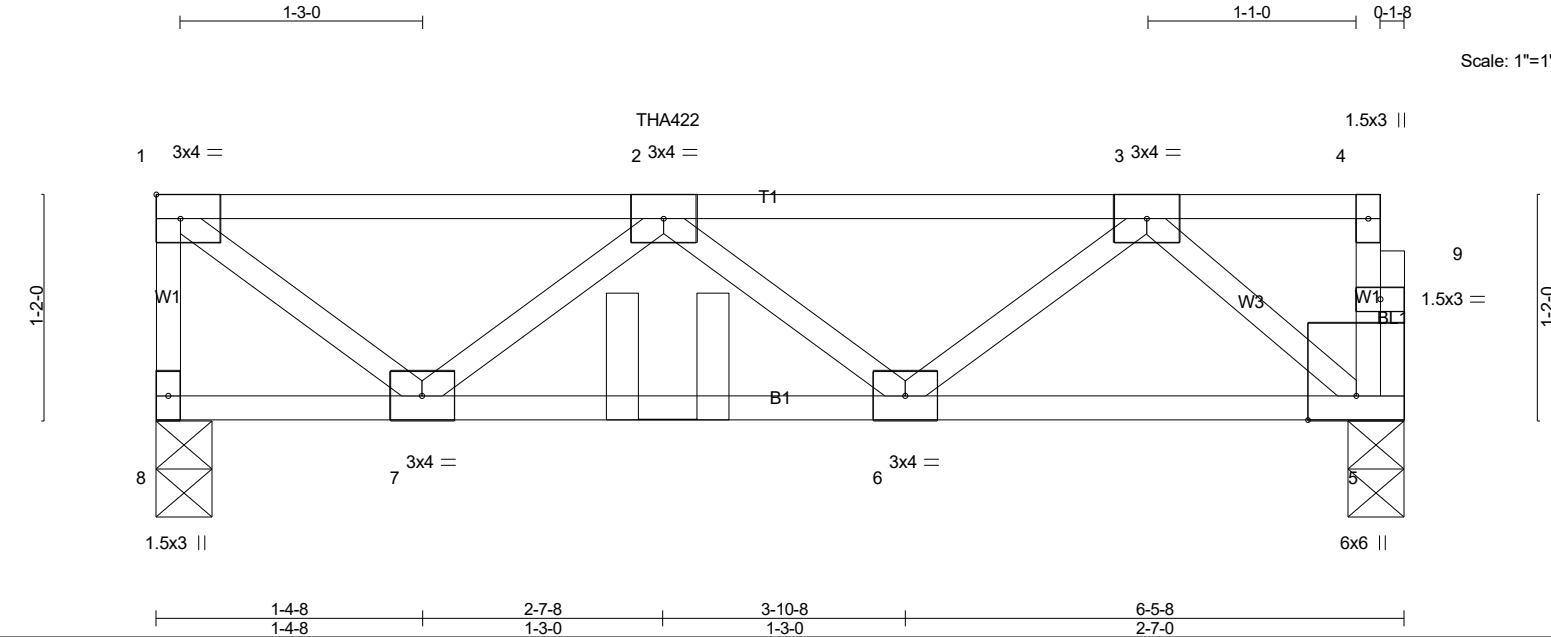


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F212	Floor Girder	1	1	
					Job Reference (optional) # 58879

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

REACTIONS. (lb/size) 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)



4/25/2025

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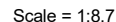


Plate Offsets (X,Y)-- [5:Edge,0-1-8]

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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F215	Floor Supported Gable	1	1	Job Reference (optional) # 58879

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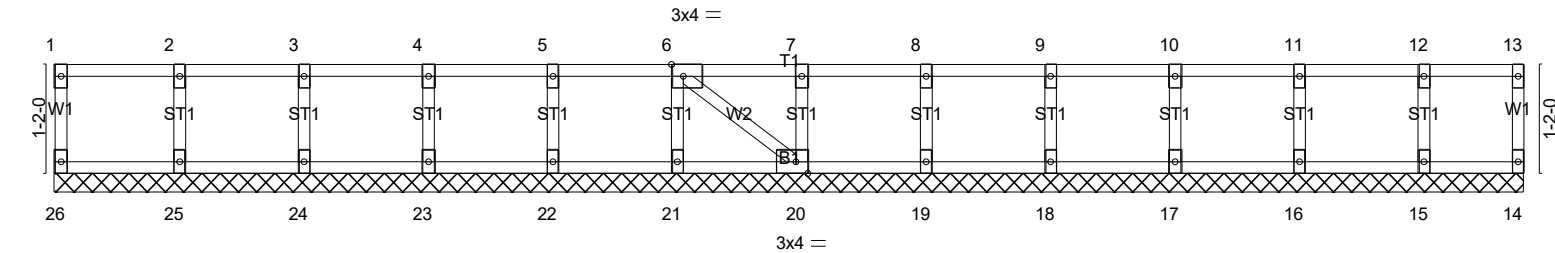


Plate Offsets (X,Y)--	[6:0-1-8,Edge], [20:0-1-8,Edge]
-----------------------	---------------------------------

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

REACTIONS. All bearings 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

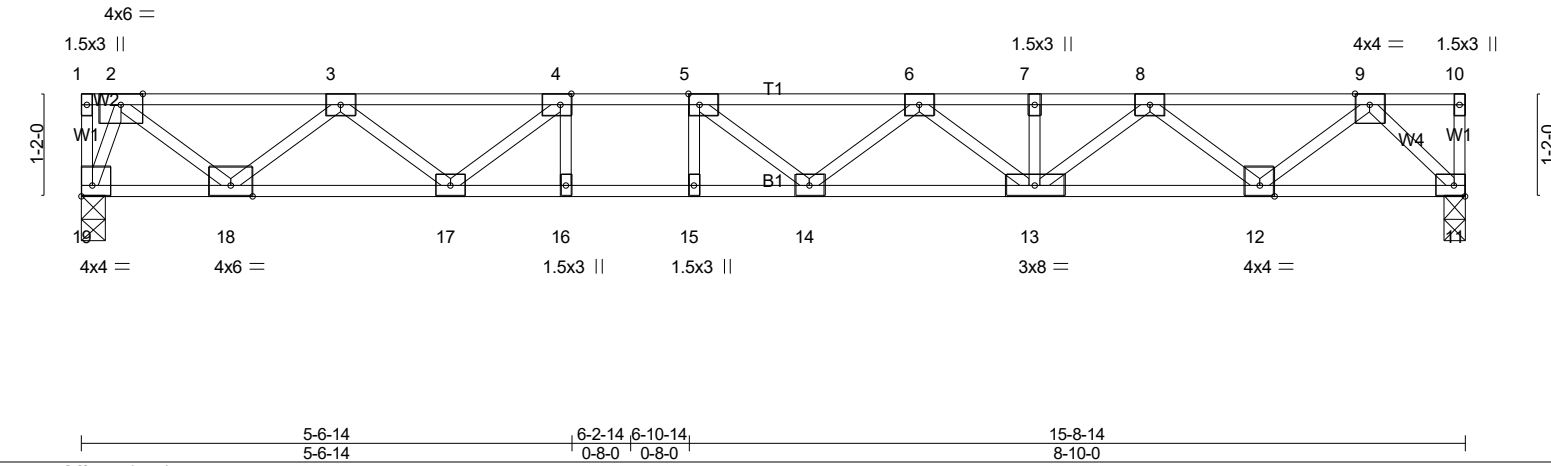


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F216	Floor	3	1	
					Job Reference (optional) # 58879

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:19:21 2025 Page 1
ID:WqGEjhAqGZsGZLrD2cp_4Yygjl1-x?6ggDUDIOWv3e2DbuNtDHLdra3W8JcOVzaxhVzMoAa



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

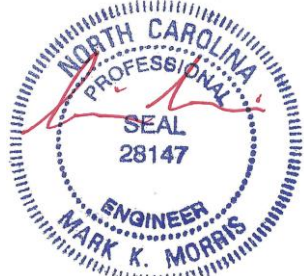
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F217	Floor	1	1	Job Reference (optional) # 58879

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ID: WqGEjhAqGZsGZLrD2cp_4Yygl1-x?6ggDUDIOWv3e2DbuNtDHLHma9o8LEOVzaxhVzMoAa



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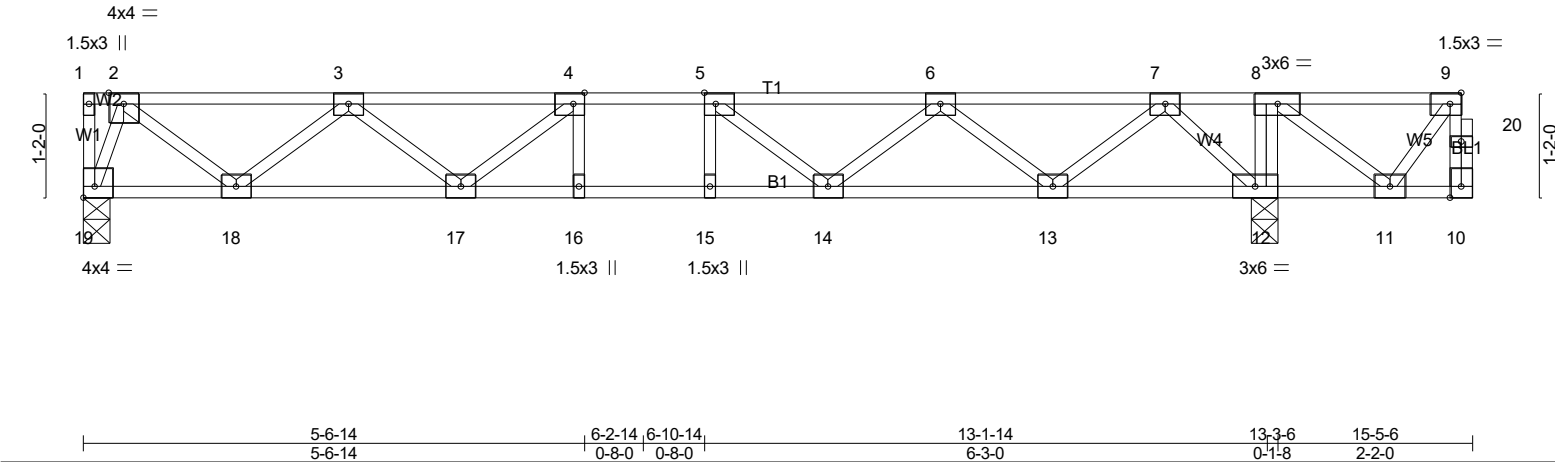


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [9:0-1-8,Edge], [19:Edge,0-1-8]					
LOADING (psf)	SPACING--	2-0-0	CSL	DEFL.	in (loc) l/defl L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.30	Vert(LL)	-0.10 15 >999 480
TCDL 10.0	Lumber DOL	1.00	BC 0.59	Vert(CT)	-0.13 15 >999 360
BCLL 0.0	Rep Stress Incr	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

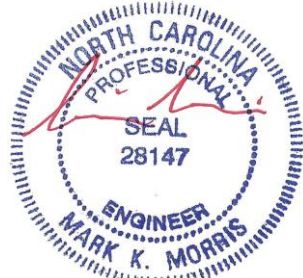
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 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



4/25/2025

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1-0-12

[illegible]

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

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 Uplift 13=-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)

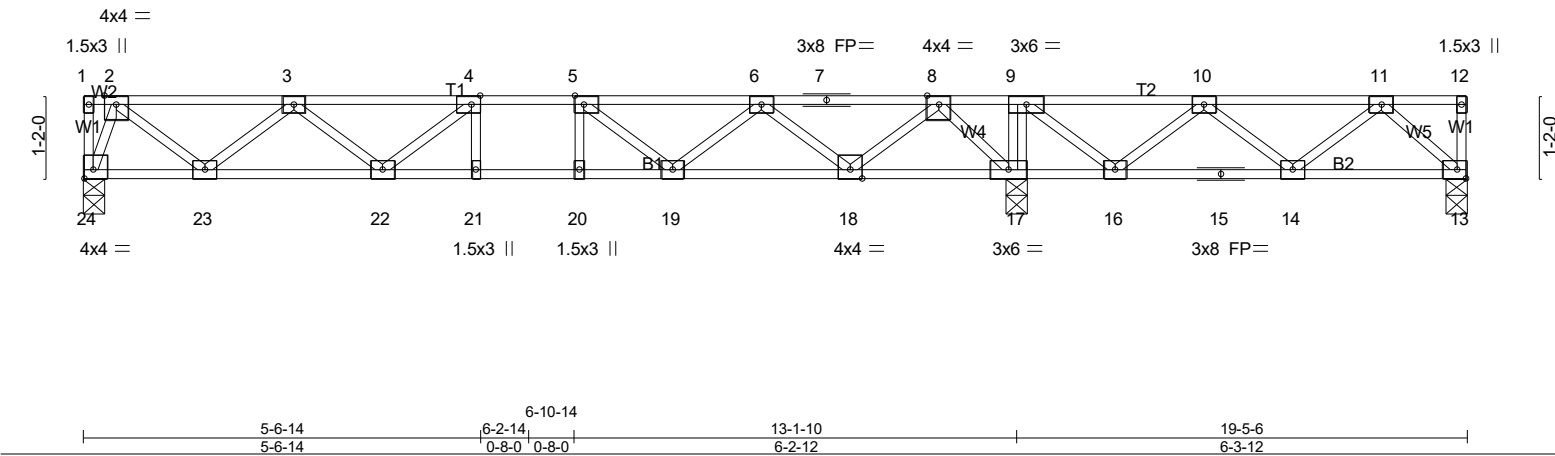
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 126 lb uplift at joint 13.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 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.

4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F219	Floor	1	1	
					Job Reference (optional) # 58879

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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.07	MT20		244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.10				
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02				
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							
										Weight: 99 lb	FT = 20%F, 11%E

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

REACTIONS. (lb/size) 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)
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 126 lb uplift at joint 13.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical 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.
 - 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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F220	Floor	2	1	
					Job Reference (optional) # 58879

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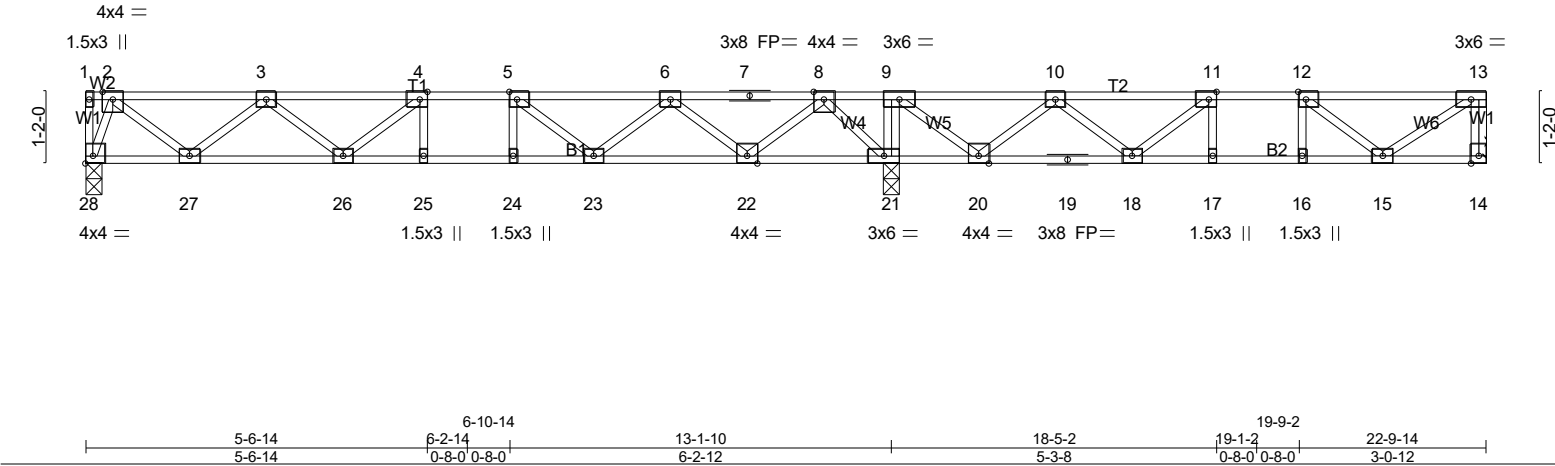


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [28:Edge,0-1-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.44	Vert(LL)	-0.07	25	>999
TCDL 10.0	Lumber DOL	1.00	BC 0.55	Vert(CT)	-0.10	25	>999
BCLL 0.0	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.02	21	n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH				
				Weight: 116 lb FT = 20%F, 11%E			

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

REACTIONS. (lb/size) 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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F221	Floor	1	1	
					Job Reference (optional) # 58879

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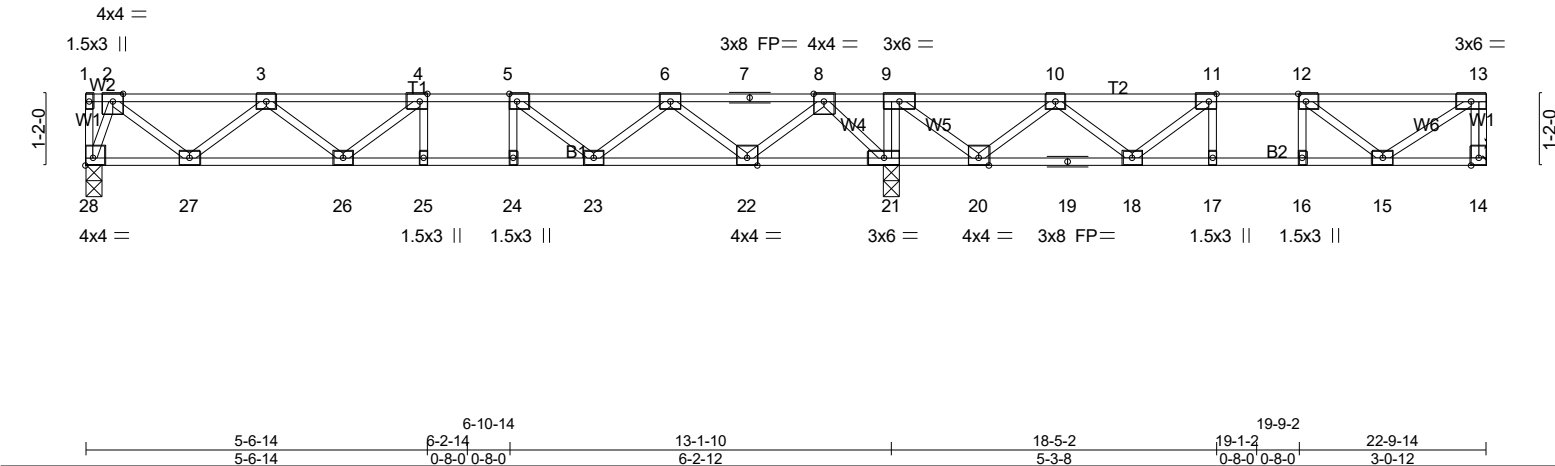


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [28:Edge,0-1-8]											
LOADING (psf)		SPACING-2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.07	25	>999	480	MT20 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	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

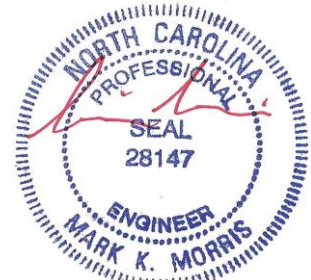
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 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

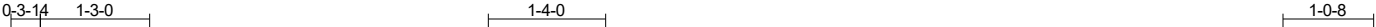


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F222	Floor	11	1	
					Job Reference (optional) # 58879

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:19:23 2025 Page 1
ID:WqGEjhAqGZsGZLrD2cp_4Yygjl1-tODR5vWTq0ndlyCbiJPLiQcnOq1cGkhzH32IOzMoAY



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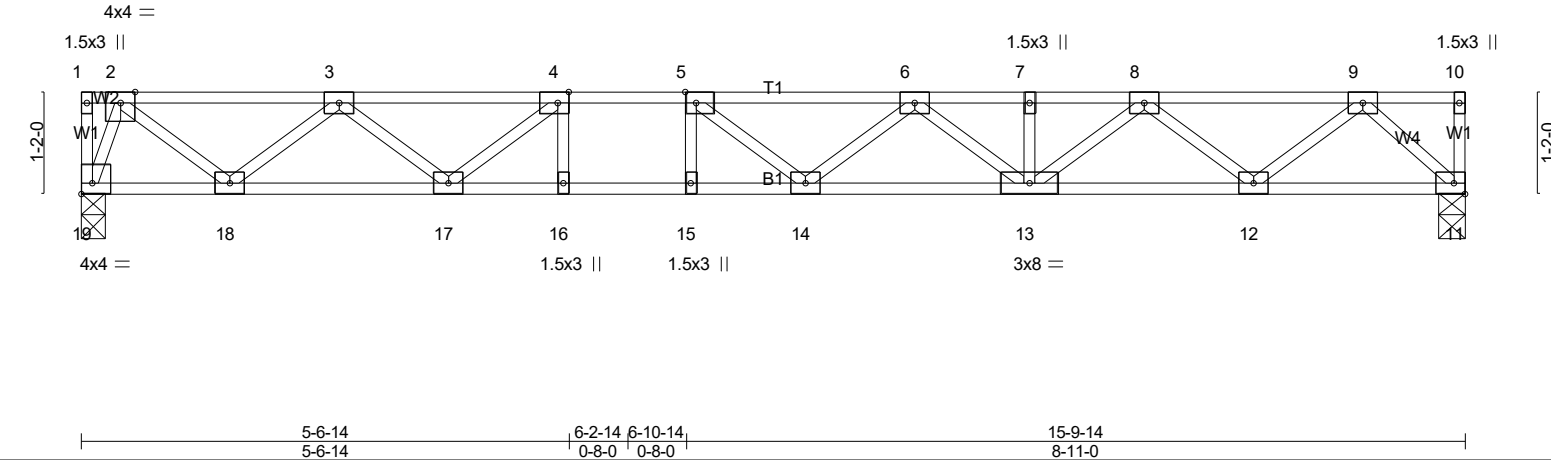


Plate Offsets (X,Y)--		[4:0-1-8,Edge], [5:0-1-8,Edge], [19:Edge,0-1-8]	
LOADING (psf)	SPACING-	1-4-0	CSI.
TCLL 40.0	Plate Grip DOL	1.00	TC 0.33
TCDL 10.0	Lumber DOL	1.00	BC 0.67
BCLL 0.0	Rep Stress Incr	YES	WB 0.34
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	-0.15 14-15	>999	480
Vert(CT)	-0.20 14-15	>938	360
Horz(CT)	0.03 11	n/a	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 80 lb		FT = 20%F, 11%E	

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

REACTIONS. (lb/size) 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

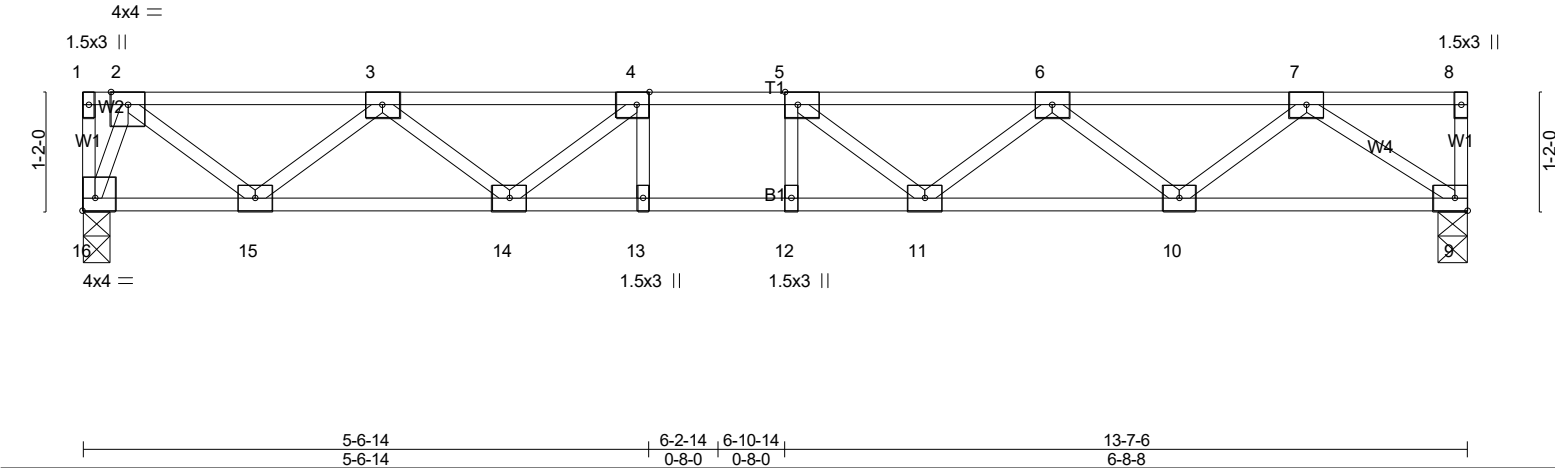


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F223	Floor	2	1	
					Job Reference (optional) # 58879

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ID:WqGEjhAqGZsGZLRD2cp_4Yygi1-tODR5vWTq0ndlyCbiJPLiQelOuZcHehzH32IOzMoAY



LOADING (psf)	SPACING-	1-4-0	CS.	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-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 16=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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F224	Floor	3	1	
					Job Reference (optional) # 58879

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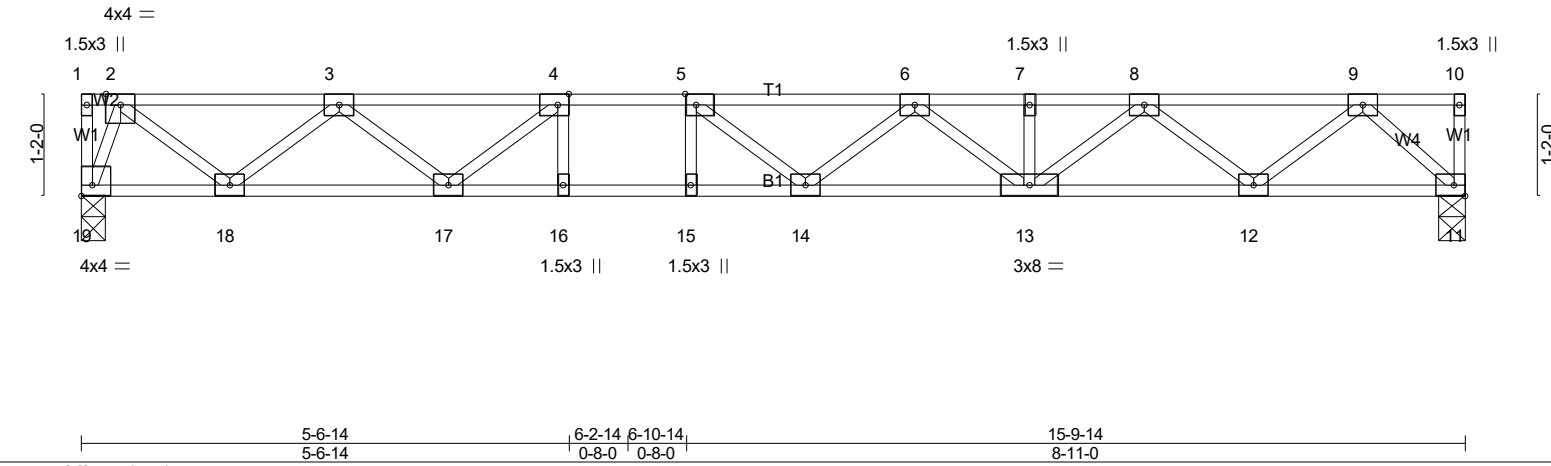
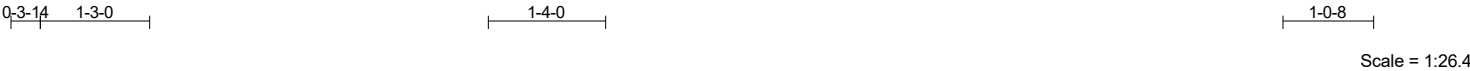


Plate Offsets (X,Y)--		[4:0-1-8,Edge], [5:0-1-8,Edge], [19:Edge,0-1-8]	
LOADING (psf)	SPACING-	1-4-0	CSI.
TCLL 40.0	Plate Grip DOL	1.00	TC 0.33
TCDL 10.0	Lumber DOL	1.00	BC 0.67
BCLL 0.0	Rep Stress Incr	YES	WB 0.34
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
		DEFL.	in (loc) l/defl L/d
		Vert(LL)	-0.15 14-15 >999 480
		Vert(CT)	-0.20 14-15 >938 360
		Horz(CT)	0.03 11 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 80 lb	FT = 20%F, 11%E

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

REACTIONS. (lb/size) 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

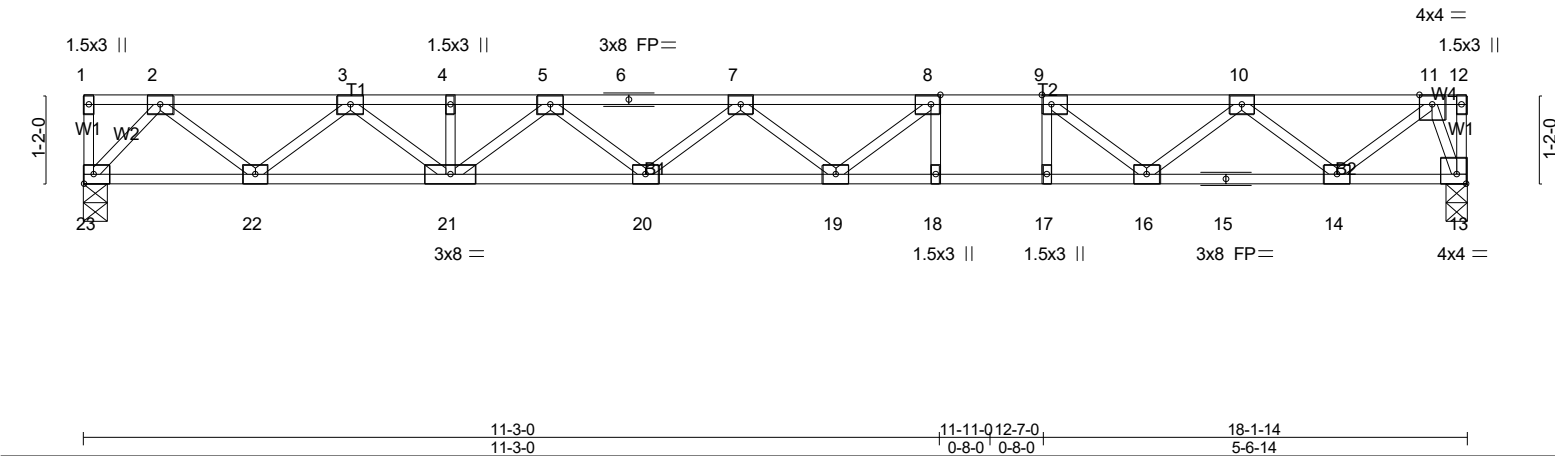
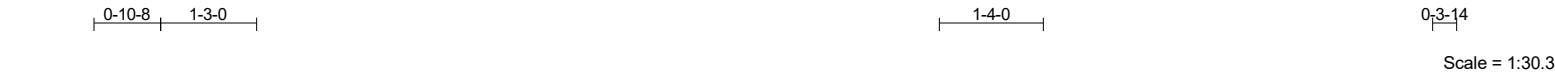


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0048 HONEYCUTT HILLS 56 SHELBY MEADOW LANE ANGIER, NC
25-3336-F02	F225	Floor	6	1	
					# 58879

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ID:WqGEjhAqGZsGZLrD2cp_4Yygjl1-tODR5vWTq0ndlyCbiJPLiQaTOMGcFnhzH32IOzMoAY



LOADING (psf)	SPACING-	1-4-0	CSL	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-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 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



4/25/2025

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ID:WqGEjhAqGZsGZLRd2cp 4Yvqj1-LanpJFW5bJvUw6moG0warvzoloCsLiqBxpbHqzMoAX

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

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=0/780, 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



4/25/2025

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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 0.06	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

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.
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LOAD CASE(S) Standard



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