

Mark Morris, P.E.

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

AST #: 57146

JOB: 25-1795-F02

JOB NAME: LOT 0.0013 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.

21 Truss Design(s)

Trusses:

F201, F202, F203, F204, F205, F205A, F206, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220, F221



2/25/2025

Mark Morris

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F201	Floor Supported Gable	1	1	
					Job Reference (optional) # 57146

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0-1-8
11

Scale: 3/8"=1'

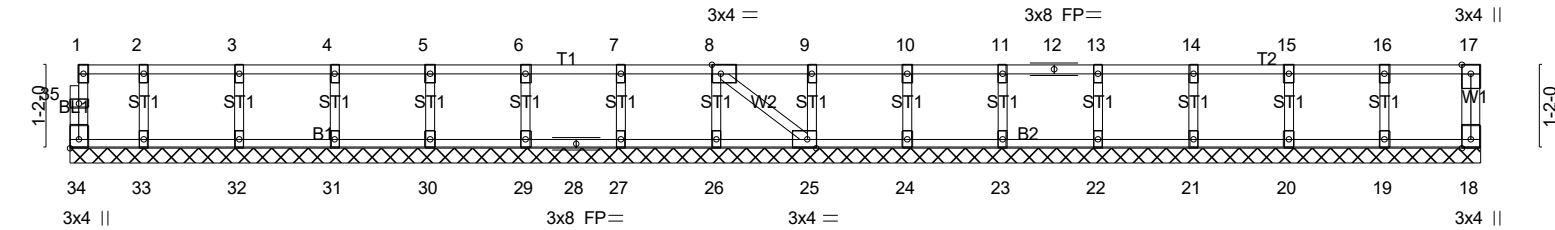


Plate Offsets (X,Y)--	[8:0-1-8,Edge], [25:0-1-8,Edge], [34:Edge,0-1-8]
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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 18 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 85 lb	FT = 20%F, 11%E

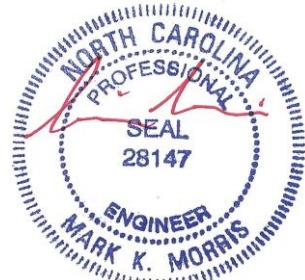
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 19-8-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 34, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33

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) 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.
 - 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

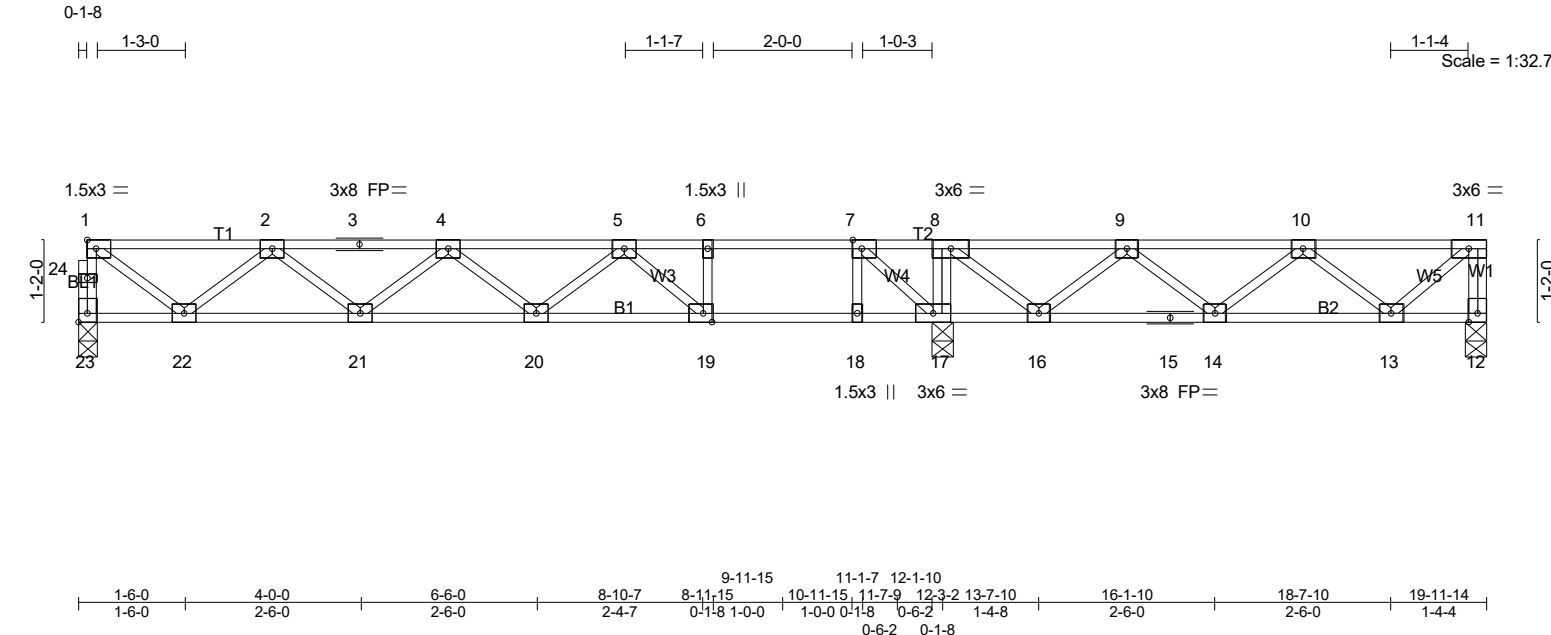


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F202	Floor	3	1	
					Job Reference (optional) # 57146

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ID:gUCksxzC6J7HT2yGkHFINYyiOvfJt3geNjNmnPgaf78NQYC3zTw_Ng3V1wCcNgfnSzhF1u



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.90	in (loc)	l/defl	MT20		244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(LL)	-0.22 19-20 >653				
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Vert(CT)	-0.31 19-20 >474				
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH		Horz(CT)	0.02 12 n/a n/a				
Weight: 102 lb FT = 20%F, 11%E											

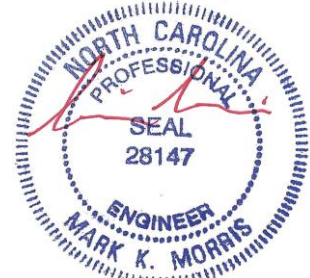
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat) *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.1(flat)		6-0-0 oc bracing: 16-17.
	2x4 SP No.3(flat)		

REACTIONS. (lb/size) 23=549/0-3-6 (min. 0-1-8), 12=366/0-3-8 (min. 0-1-8), 17=816/0-3-8 (min. 0-1-8)
Max Grav 23=558(LC 3), 12=371(LC 7), 17=816(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-556/0, 1-24=-555/0, 11-12=-368/0, 1-2=-630/0, 2-3=-1431/0, 3-4=-1431/0,
4-5=-1744/0, 5-6=-1209/0, 6-7=-1209/0, 7-8=-292/27, 8-9=-551/0, 9-10=-729/0,
10-11=-340/0
BOT CHORD 21-22=0/1169, 20-21=0/1696, 19-20=0/1661, 18-19=0/1209, 17-18=0/1209, 16-17=-27/292,
15-16=0/774, 14-15=0/774, 13-14=0/664
WEBS 7-18=0/345, 8-17=-335/54, 1-22=0/761, 2-22=-702/0, 2-21=0/340, 4-21=-345/0,
5-19=-632/0, 7-17=-1213/0, 8-16=0/411, 9-16=-346/0, 10-13=-422/0, 11-13=0/445

- 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F203	Floor	4	1	
					Job Reference (optional) # 57146

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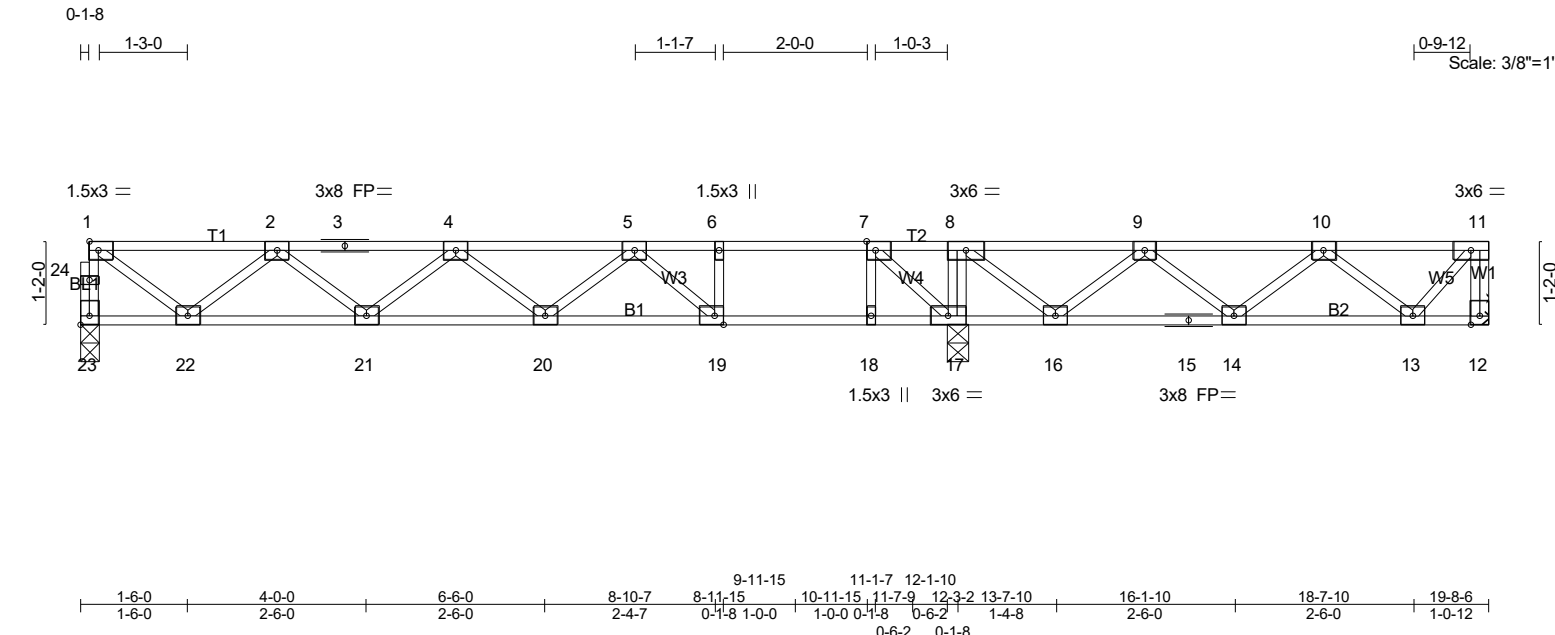


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [19:0-1-8,Edge], [23:Edge,0-1-8]									
LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.89	Vert(LL)	-0.22 19-20	>655	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.67	Vert(CT)	-0.31 19-20	>476	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.36	Horz(CT)	0.02 12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 100 lb	FT = 20%F, 11%E

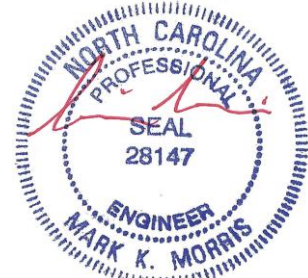
LUMBER-		BRACING-
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD
BOT CHORD	2x4 SP No.1(flat) *Except*	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
WEBS	2x4 SP No.3(flat)	BOT CHORD
		Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17.

REACTIONS. (lb/size) 12=358/Mechanical, 23=551/0-3-6 (min. 0-1-8), 17=797/0-3-8 (min. 0-1-8)
Max Grav 12=363(LC 7), 23=559(LC 3), 17=797(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-557/0, 1-24=-556/0, 11-12=-362/0, 1-2=-631/0, 2-3=-1433/0, 3-4=-1433/0,
4-5=-1748/0, 5-6=-1216/0, 6-7=-1216/0, 7-8=-301/9, 8-9=-550/0, 9-10=-684/0,
10-11=-263/0
BOT CHORD 21-22=0/1171, 20-21=0/1700, 19-20=0/1666, 18-19=0/1216, 17-18=0/1216, 16-17=-9/301,
15-16=0/754, 14-15=0/754, 13-14=0/593
WEBS 7-18=0/343, 8-17=-320/60, 1-22=0/762, 2-22=-704/0, 2-21=0/342, 4-21=-347/0,
5-19=-627/0, 7-17=-1211/0, 8-16=0/388, 9-16=-323/0, 10-13=-430/0, 11-13=0/393

- 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.
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LOAD CASE(S) Standard

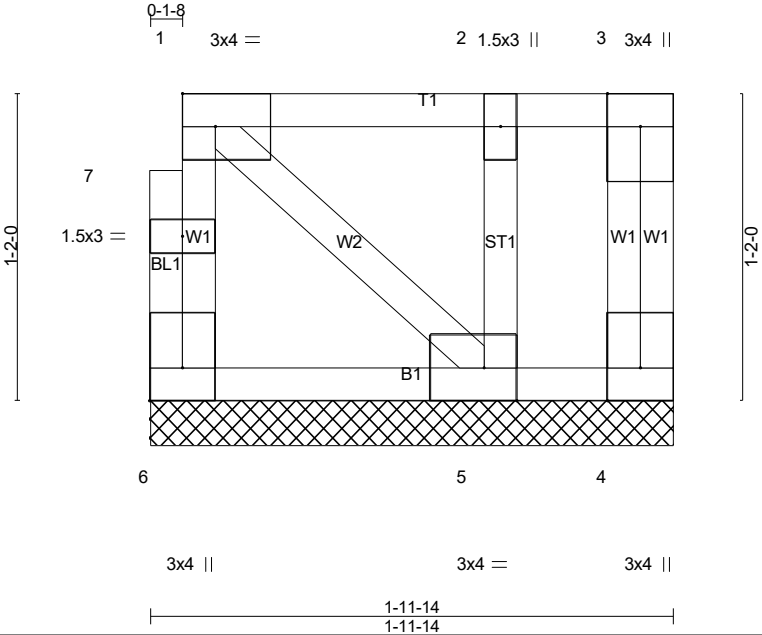


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F204	Floor Supported Gable	1	1	
					Job Reference (optional) # 57146

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Scale = 1:8.8

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:Edge,0-1-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.05	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 4	n/a	n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P				
				PLATES	GRIP		
				MT20	244/190		
				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 1-11-14 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) 6=50/1-11-14 (min. 0-1-8), 4=5/1-11-14 (min. 0-1-8), 5=130/1-11-14 (min. 0-1-8)

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

- NOTES- (6-7)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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.
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F205	Floor	3	1	
					Job Reference (optional) # 57146

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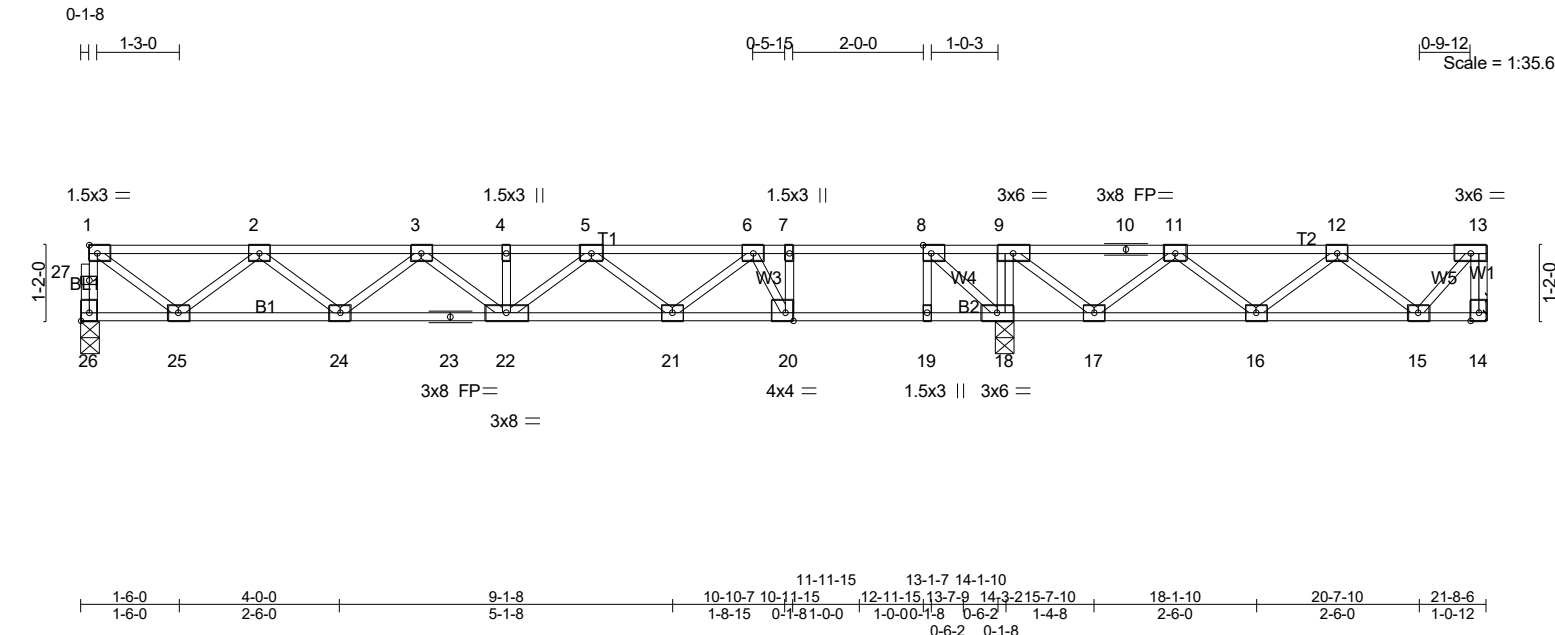


Plate Offsets (X,Y)-- [8:0-1-8,Edge], [20:0-1-8,Edge], [26:Edge,0-1-8]							
LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.77	Vert(LL)	-0.27 20-21	>626	480
TCDL 10.0	Lumber DOL	1.00	BC 0.77	Vert(CT)	-0.37 20-21	>456	360
BCLL 0.0	Rep Stress Incr	YES	WB 0.40	Horz(CT)	0.03 14	n/a	n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH				
				Weight: 112 lb	FT = 20%F, 11%E		

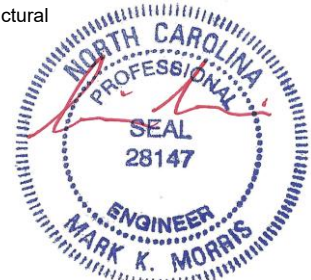
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat) *Except* T1: 2x4 SP SS(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat) *Except* B2: 2x4 SP SS(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 26=604/0-3-6 (min. 0-1-8), 14=297/Mechanical, 18=980/0-3-8 (min. 0-1-8)
Max Grav 26=611(LC 3), 14=302(LC 7), 18=980(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-607/0, 1-27=-606/0, 13-14=-301/0, 1-2=-696/0, 2-3=-1638/0, 3-4=-2047/0,
4-5=-2047/0, 5-6=-1920/0, 6-7=-1042/0, 7-8=-1042/0, 11-12=-483/0
BOT CHORD 24-25=0/1308, 23-24=0/1934, 22-23=0/1934, 21-22=0/2078, 20-21=0/1565, 19-20=0/1042,
18-19=0/1042, 16-17=0/482, 15-16=0/465
WEBS 7-20=0/691, 8-19=0/423, 9-18=-324/59, 1-25=0/843, 2-25=-796/0, 2-24=0/429,
3-24=-386/0, 6-21=0/481, 6-20=-1135/0, 8-18=-1558/0, 9-17=0/485, 11-17=-370/0,
12-15=-335/0, 13-15=0/312

- 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.
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LOAD CASE(S) Standard

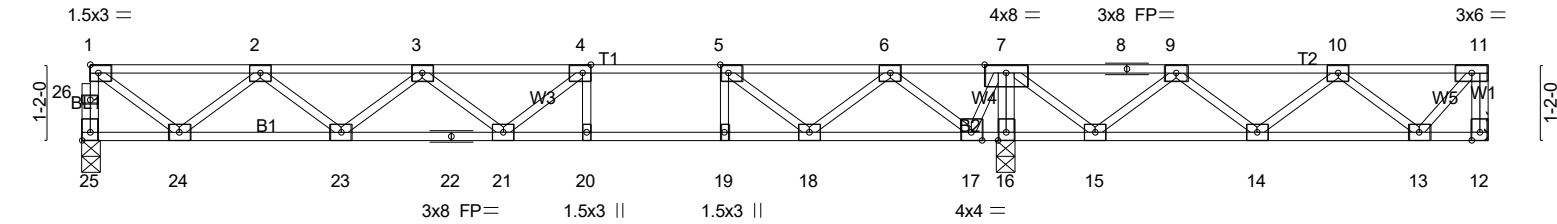


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F205A	Floor	1	1	
					# 57146

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1-6-0	4-0-0	6-6-0	7-10-3	8-10-3	9-10-3	11-2-11	13-8-11	14-3-2	15-7-10	18-1-10	20-7-10	21-8-6
1-6-0	2-6-0	2-6-0	1-4-3	1-0-0	1-0-0	1-4-8	2-6-0	0-6-7	1-4-8	2-6-0	2-6-0	1-0-12
Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [25:Edge,0-1-8]												

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.55	Vert(LL)	-0.18 20-21	>951	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.93	Vert(CT)	-0.24 20-21	>701	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.37	Horz(CT)	0.02 16	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
									Weight: 111 lb FT = 20%F, 11%E

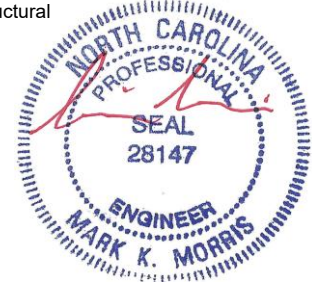
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 25=563/0-3-6 (min. 0-1-8), 12=218/Mechanical, 16=1100/0-3-8 (min. 0-1-8)
Max Uplift12=-1(LC 3)
Max Grav25=571(LC 3), 12=279(LC 4), 16=1100(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 25-26=-568/0, 1-26=-567/0, 11-12=-277/2, 1-2=-642/0, 2-3=-1492/0, 3-4=-1768/0, 4-5=-1589/0, 5-6=-910/0, 6-7=0/500, 7-8=-73/410, 8-9=-73/410, 9-10=-405/139
BOT CHORD 23-24=0/1195, 22-23=0/1780, 21-22=0/1780, 20-21=0/1589, 19-20=0/1589, 18-19=0/1589, 17-18=-21/387, 16-17=-741/0, 15-16=-724/0, 14-15=-254/365, 13-14=-50/420
WEBS 5-19=0/271, 7-16=-1083/0, 1-24=0/776, 2-24=-721/0, 2-23=0/386, 3-23=-375/0, 4-21=-9/308, 5-18=-891/0, 6-18=0/699, 6-17=-880/0, 7-17=0/672, 7-15=0/517, 9-15=-482/0, 10-13=-302/48, 11-13=-20/281

- NOTES-** (7-8)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 12.
 - 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.
 - 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F206	Floor	2	1	
					# 57146

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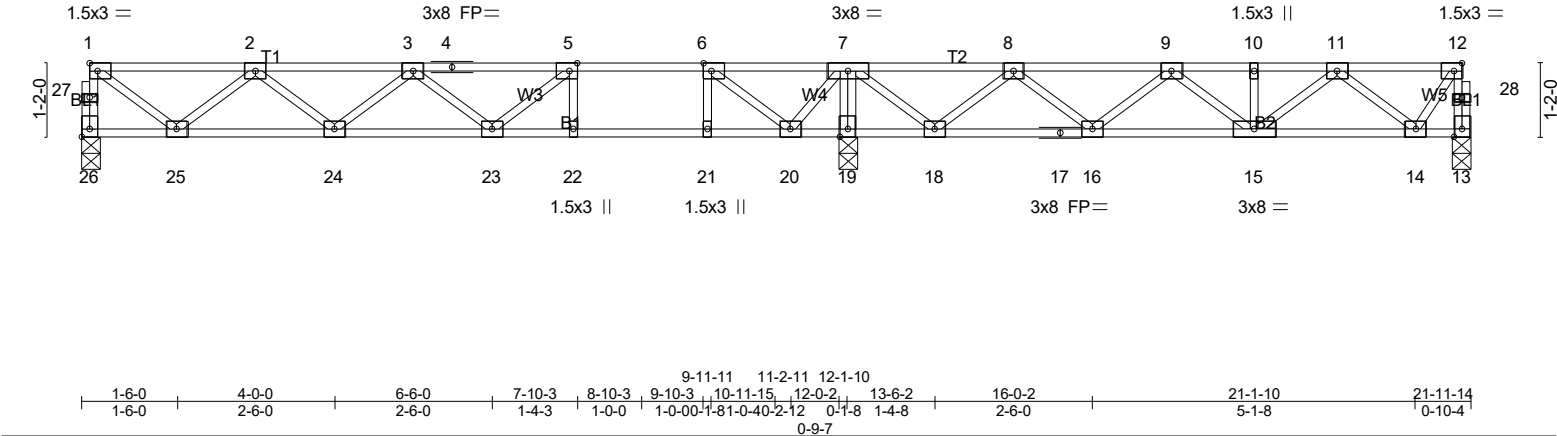
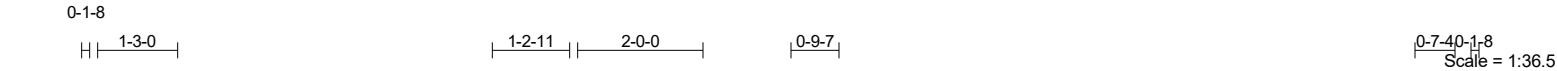


Plate Offsets (X,Y)--		[5:0-1-8,Edge], [6:0-1-8,Edge], [12:0-1-8,Edge], [26:Edge,0-1-8]	
LOADING (psf)	SPACING-	1-7-3	CSI.
TCLL 40.0	Plate Grip DOL	1.00	TC 0.65
TCDL 10.0	Lumber DOL	1.00	BC 0.99
BCLL 0.0	Rep Stress Incr	YES	WB 0.34
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	-0.19 22-23	>768	480
Vert(CT)	-0.25 22-23	>566	360
Horz(CT)	0.03 13	n/a	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 112 lb FT = 20%F, 11%E			

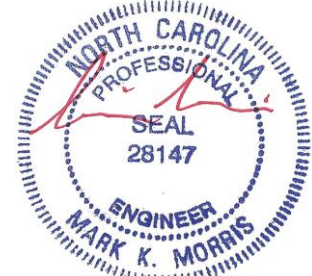
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 26=513/0-3-6 (min. 0-1-8), 13=411/0-3-8 (min. 0-1-8), 19=978/0-3-8 (min. 0-1-8)
Max Grav 26=532(LC 3), 13=424(LC 7), 19=978(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-529/0, 1-27=-529/0, 13-28=-425/0, 12-28=-424/0, 1-2=-590/0, 2-3=-1348/0, 3-4=-1530/0, 4-5=-1530/0, 5-6=-1267/0, 6-7=-482/107, 7-8=-451/0, 8-9=-943/0, 9-10=-899/0, 10-11=-899/0, 11-12=-257/0
BOT CHORD 24-25=0/1096, 23-24=0/1595, 22-23=0/1267, 21-22=0/1267, 20-21=0/1267, 19-20=-329/106, 18-19=-320/112, 17-18=0/841, 16-17=0/841, 15-16=0/1018, 14-15=0/669
WEBS 5-22=-294/0, 6-21=0/335, 7-19=-880/0, 1-25=0/713, 2-25=-659/0, 2-24=0/327, 3-24=-321/0, 5-23=0/410, 6-20=-1043/0, 7-20=0/570, 7-18=0/581, 8-18=-544/0, 11-15=0/293, 11-14=-537/0, 12-14=0/429

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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F208	Floor	1	1	
Job Reference (optional)					# 57146

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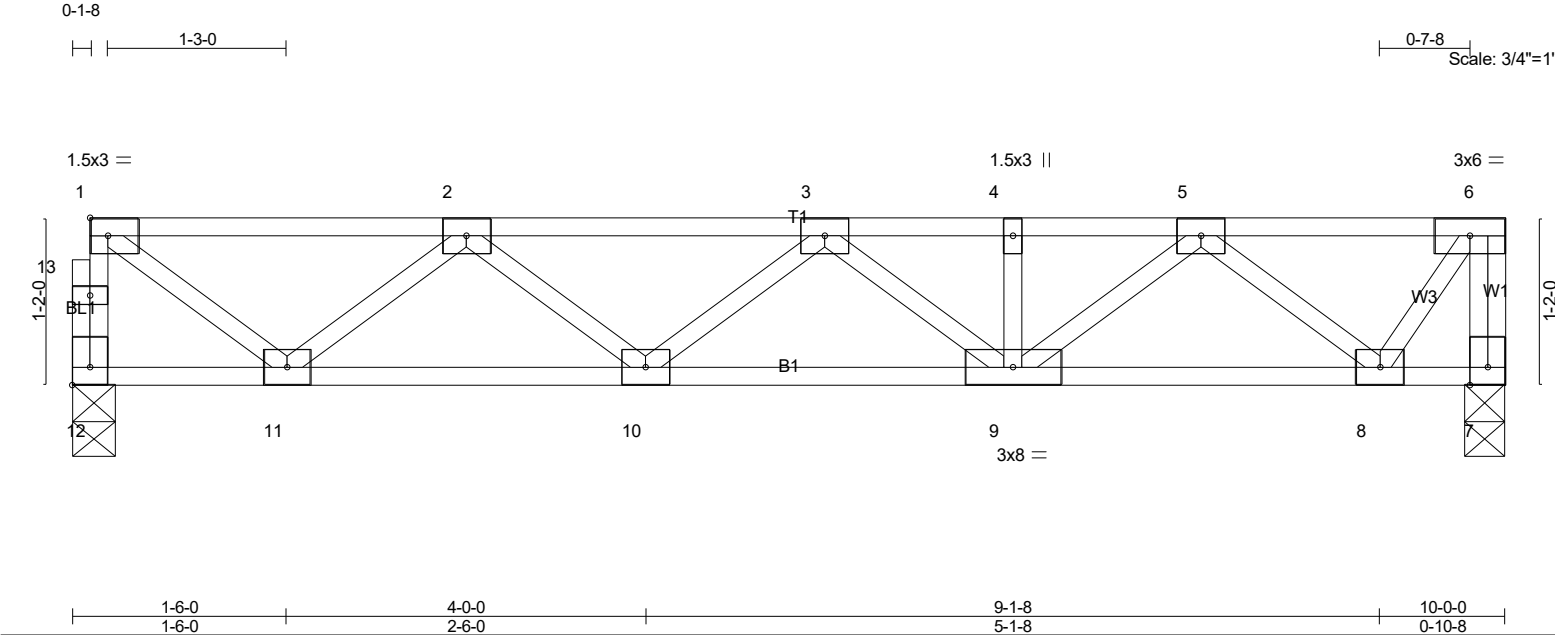


Plate Offsets (X,Y)-- [12:Edge,0-1-8]							
LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	L/def	L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.21	Vert(LL)	-0.02 9-10	>999	480
TCDL 10.0	Lumber DOL	1.00	BC 0.20	Vert(CT)	-0.03 9-10	>999	360
BCLL 0.0	Rep Stress Incr	YES	WB 0.26	Horz(CT)	0.01 7	n/a	n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH				
						PLATES	GRIP
						MT20	244/190
						Weight: 54 lb	FT = 20%F, 11%E

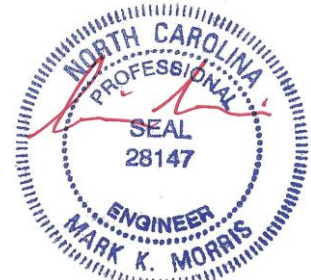
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		

REACTIONS. (lb/size) 12=424/0-3-8 (min. 0-1-8), 7=429/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-420/0, 1-13=-419/0, 6-7=-429/0, 1-2=-451/0, 2-3=-940/0, 3-4=-902/0, 4-5=-902/0, 5-6=-261/0
BOT CHORD 10-11=0/837, 9-10=0/1019, 8-9=0/677
WEBS 1-11=0/544, 2-11=-502/0, 5-9=0/287, 5-8=-541/0, 6-8=0/447

- NOTES- (4-5)
- 1) All plates are 3x4 MT20 unless otherwise indicated.
 - 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 3) CAUTION, Do not erect truss backwards.
 - 4) 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F209	Floor	5	1	
					# 57146

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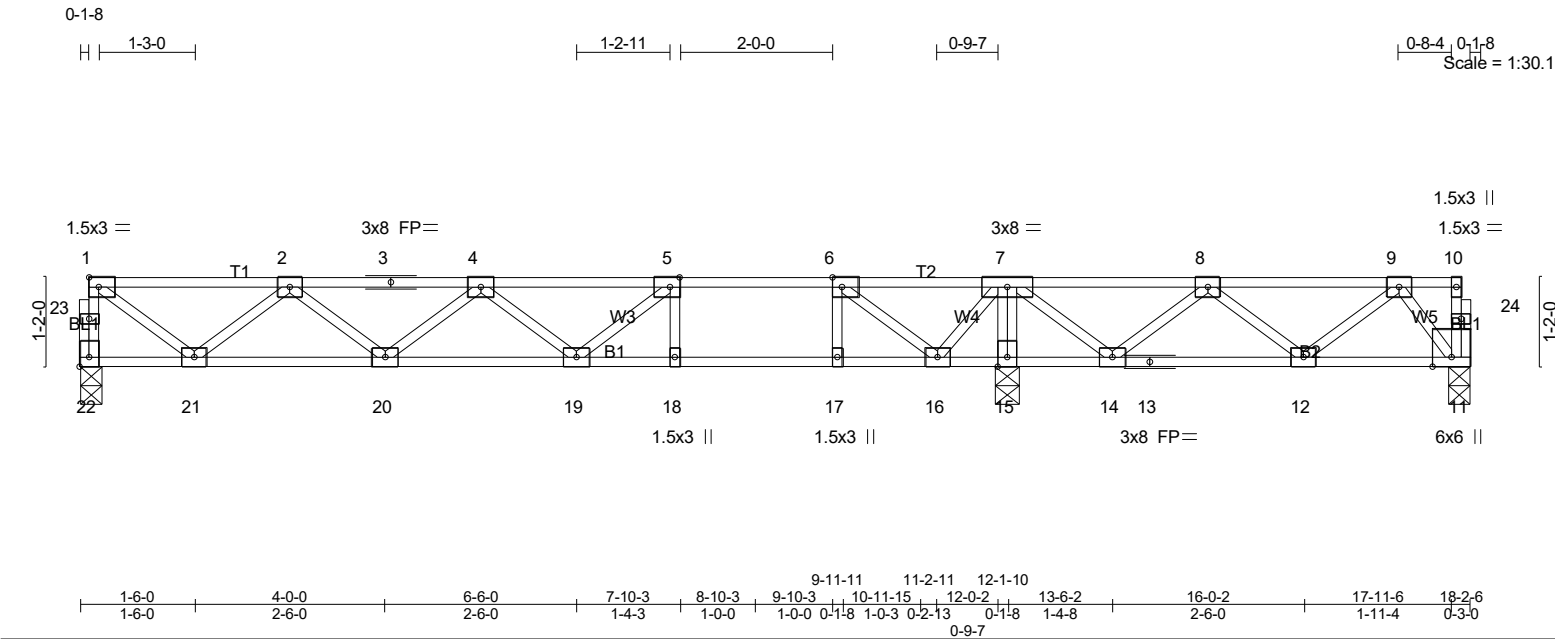


Plate Offsets (X,Y)--		[5:0-1-8,Edge], [6:0-1-8,Edge], [22:Edge,0-1-8]	
LOADING (psf)	SPACING-	1-7-3	CSI.
TCLL 40.0	Plate Grip DOL	1.00	TC 0.62
TCDL 10.0	Lumber DOL	1.00	BC 0.96
BCLL 0.0	Rep Stress Incr	YES	WB 0.35
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
		DEFL.	in (loc) l/defl L/d
		Vert(LL)	-0.18 18-19 >799 480
		Vert(CT)	-0.24 18-19 >589 360
		Horz(CT)	0.02 11 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 93 lb	FT = 20%F, 11%E

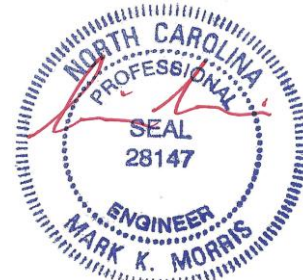
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3(flat)	2-2-0 oc bracing: 17-18
	6-0-0 oc bracing: 15-16,14-15.

REACTIONS. (lb/size) 22=535/0-3-6 (min. 0-1-8), 15=752/0-3-8 (min. 0-1-8), 11=281/0-3-8 (min. 0-1-8)
Max Grav 22=539(LC 3), 15=752(LC 1), 11=304(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 22-23=-537/0, 1-23=-536/0, 1-2=-600/0, 2-3=-1375/0, 3-4=-1375/0, 4-5=-1575/0, 5-6=-1328/0, 6-7=-585/0, 7-8=-437/0, 8-9=-416/0
BOT CHORD 20-21=0/1115, 19-20=0/1630, 18-19=0/1328, 17-18=0/1328, 16-17=0/1328, 15-16=-109/284, 14-15=-102/289, 13-14=0/569, 12-13=0/569
WEBS 5-18=-267/0, 6-17=0/307, 7-15=-667/0, 1-21=0/725, 2-21=-671/0, 2-20=0/338, 4-20=-331/0, 5-19=0/345, 6-16=-979/0, 7-16=0/559, 7-14=0/289, 8-14=-262/0, 9-11=-383/0

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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F210	Floor Supported Gable	1	1	
					Job Reference (optional) # 57146

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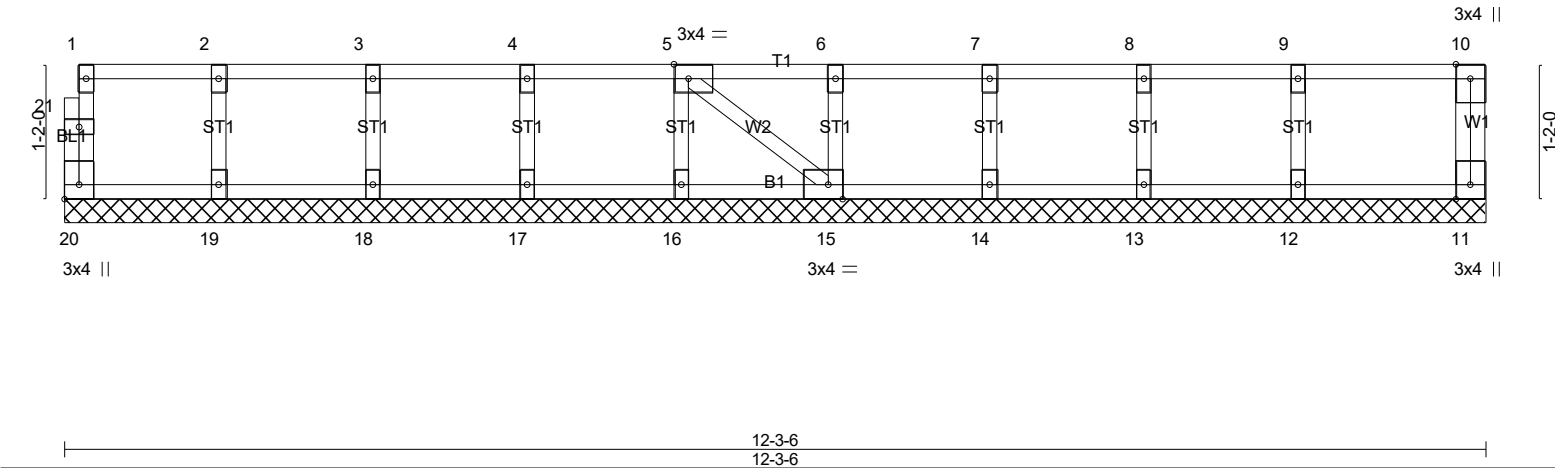


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [15:0-1-8,Edge], [20:Edge,0-1-8]											
LOADING (psf)		SPACING- 1-7-3		CSI.		DEFL. in (loc) l/defl L/d			PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	11	n/a	n/a	
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 55 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 12-3-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

- NOTES- (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) 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.
 - 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



2/25/2025

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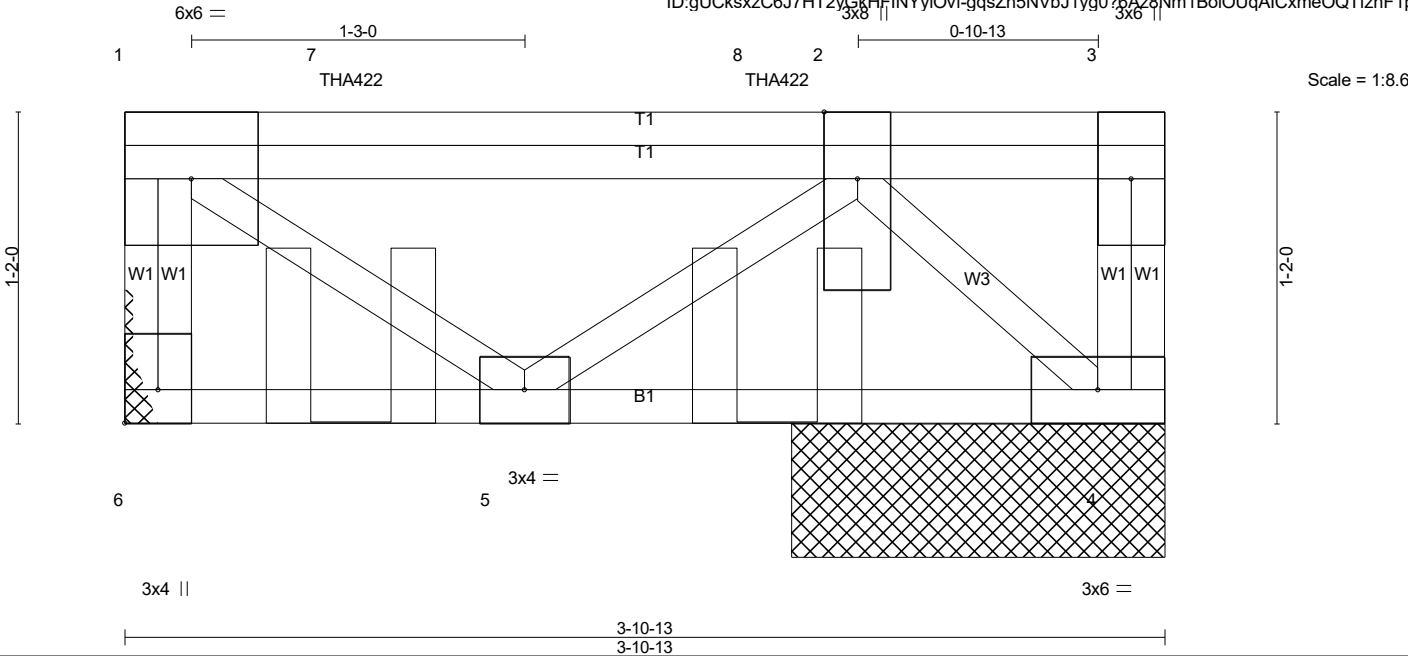


Plate Offsets (X,Y)-- [6:Edge,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.77	Vert(LL)	-0.00	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(CT)	-0.01		
BCLL	0.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.00		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P					
								Weight: 28 lb	FT = 20%F, 11%E

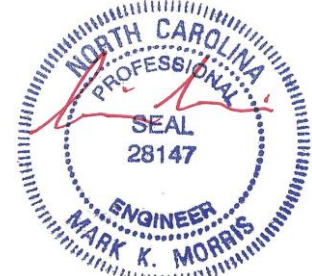
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 3-10-13 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		

REACTIONS. (lb/size) 6=1059/Mechanical, 4=803/1-4-13 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1053/0, 3-4=0/283, 1-7=-599/0, 7-8=-599/0, 2-8=-599/0
BOT CHORD 4-5=0/1127
WEBS 1-5=0/735, 2-5=-671/0, 2-4=-1558/0

- NOTES- (6-7)
- 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.
 - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 0-10-3 from the left end to 2-5-6 to connect truss(es) F216 (1 ply 2x4 SP) to back face of top chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 4-6=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 7=-772(B) 8=-769(B)



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F212	Floor Supported Gable	1	1	
					Job Reference (optional) # 57146

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:07:38 2025 Page 1
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0-1-8

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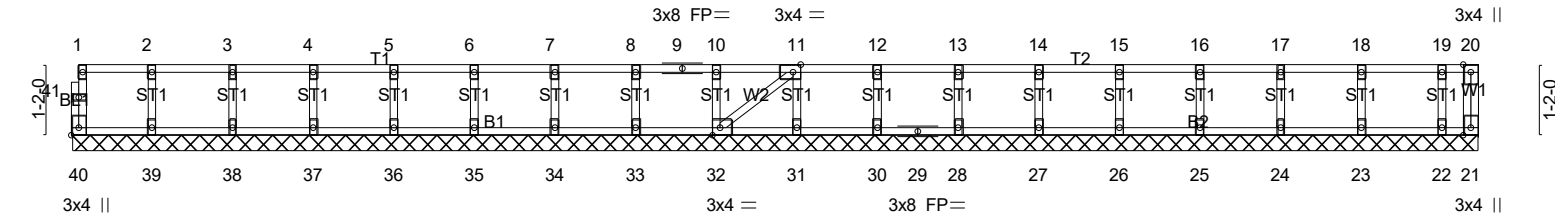


Plate Offsets (X,Y)--	[11:0-1-8,Edge], [32:0-1-8,Edge], [40:Edge,0-1-8]
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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL)	n/a -	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT)	n/a -	n/a	999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00 21	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH						
							Weight: 100 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 23-3-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 40, 21, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 28, 27, 26, 25, 24, 23, 22

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) 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.
 - 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

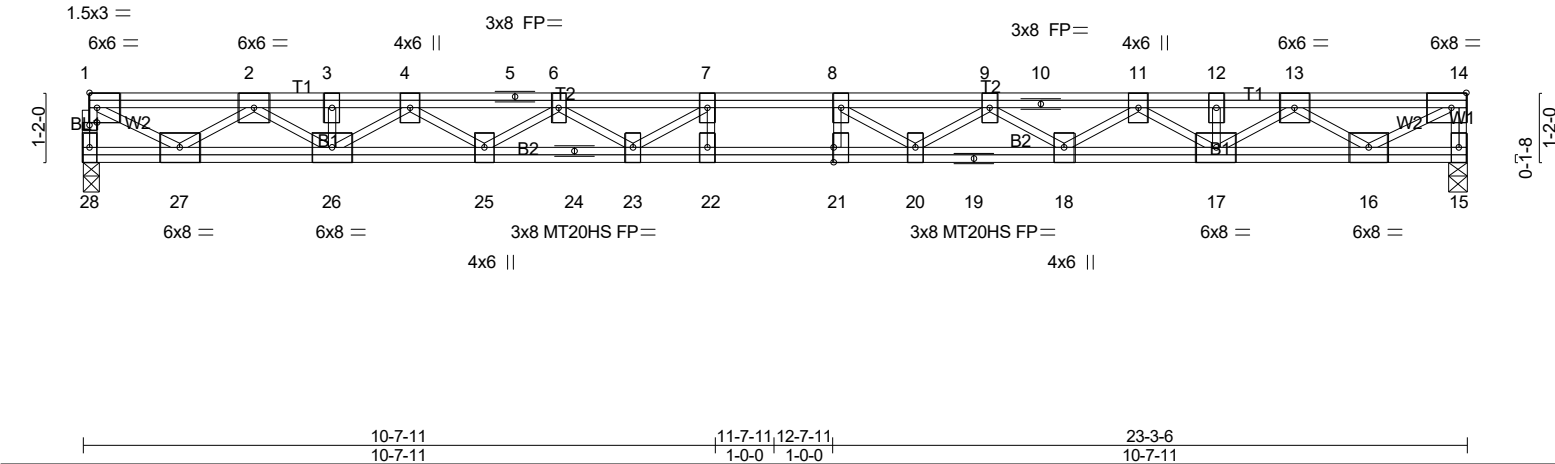
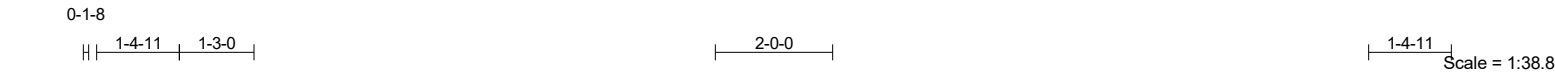


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F213	FLOOR	3	1	
					# 57146

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ID:gUCksxzC6J7HT2yGkHFYniOvf-gqsZh5NVbJ1yg0?6Az8Nm1BwNOOuABsxmeOQTfzhF1p



LOADING (psf)	SPACING-	1-7-3	CS.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.21	Vert(LL)	-0.42 21-22	>653	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.63	Vert(CT)	-0.58 21-22	>475	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.83	Horz(CT)	0.07 15	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
									Weight: 180 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) 28=1013/0-3-6 (min. 0-1-8), 15=1013/0-3-8 (min. 0-1-8)

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

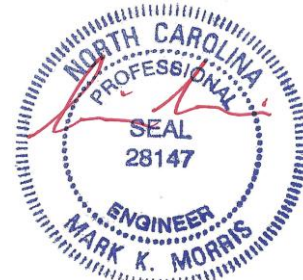
TOP CHORD 1-28=-996/0, 14-15=-997/0, 1-2=-1501/0, 2-3=-3651/0, 3-4=-3651/0, 4-5=-5118/0, 5-6=-5118/0, 6-7=-5975/0, 7-8=-6248/0, 8-9=-5975/0, 9-10=-5118/0, 10-11=-5118/0, 11-12=-3651/0, 12-13=-3651/0, 13-14=-1485/0

BOT CHORD 26-27=0/2697, 25-26=0/4521, 24-25=0/5691, 23-24=0/5691, 22-23=0/6248, 21-22=0/6248, 20-21=0/6248, 19-20=0/5691, 18-19=0/5691, 17-18=0/4521, 16-17=0/2697

WEBS 7-23=-678/135, 6-23=0/527, 6-25=-711/0, 4-25=0/740, 4-26=-1061/0, 2-26=0/1163, 2-27=-1485/0, 1-27=0/1743, 8-20=-678/135, 9-20=0/527, 9-18=-711/0, 11-18=0/740, 11-17=-1061/0, 13-17=0/1163, 13-16=-1503/0, 14-16=0/1735

- NOTES-** (6-7)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x6 MT20 unless otherwise indicated.
 - 4) Required 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

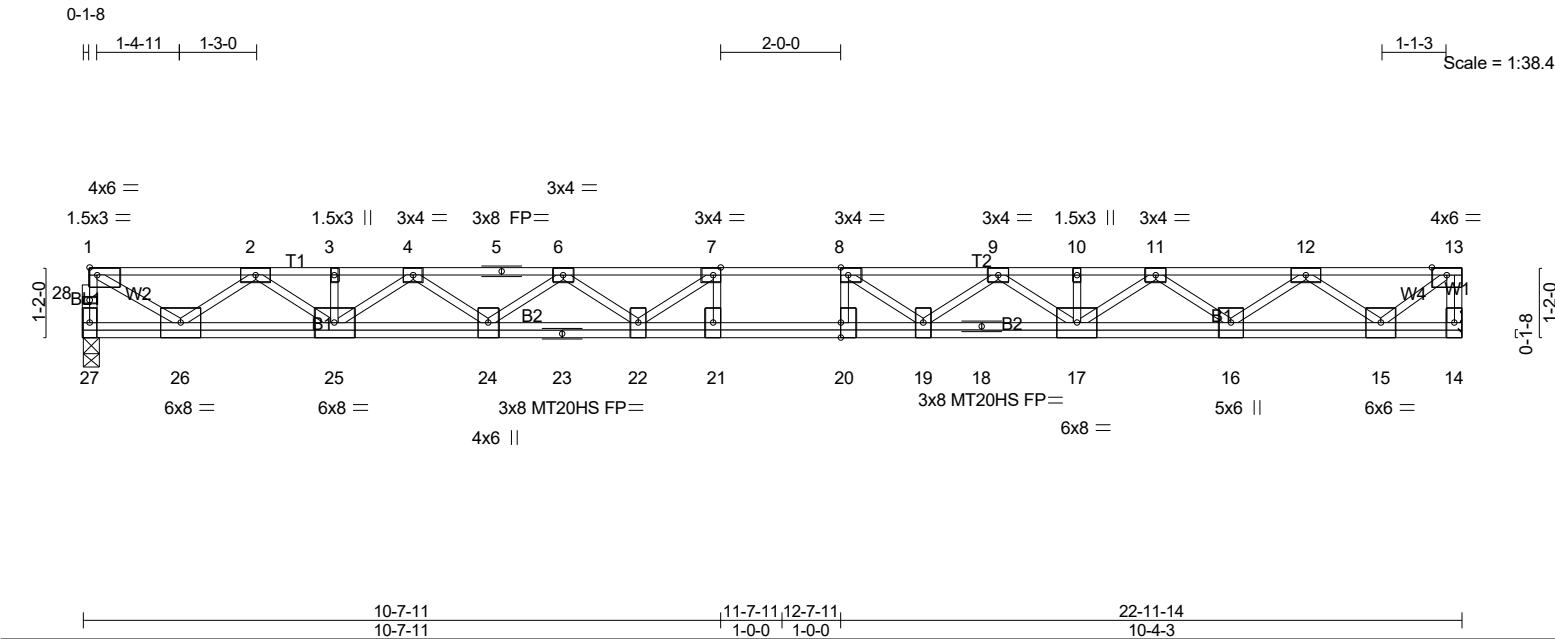


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F214	FLOOR	8	1	
					# 57146

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LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.76	Vert(LL)	-0.50 20-21	>548	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.40	Vert(CT)	-0.68 20-21	>399	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.76	Horz(CT)	0.05 14	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
									Weight: 147 lb FT = 20%F, 11%E

LUMBER-			BRACING-		
TOP CHORD	2x4 SP No.1(flat)		TOP CHORD	Structural wood sheathing directly applied or 4-5-11 oc purlins, except end verticals.	
BOT CHORD	2x4 SP SS(flat)		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.	
WEBS	2x4 SP No.3(flat)				

REACTIONS. (lb/size) 27=995/0-3-6 (min. 0-1-8), 14=1000/Mechanical

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

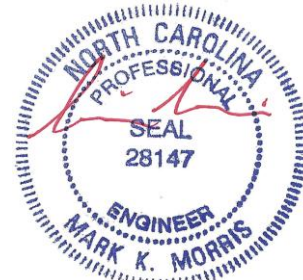
TOP CHORD 27-28=-978/0, 1-28=-977/0, 13-14=-984/0, 1-2=-1379/0, 2-3=-3366/0, 3-4=-3366/0, 4-5=-4723/0, 5-6=-4723/0, 6-7=-5476/0, 7-8=-5728/0, 8-9=-5411/0, 9-10=-4584/0, 10-11=-4584/0, 11-12=-3122/0, 12-13=-1131/0

BOT CHORD 25-26=0/2500, 24-25=0/4178, 23-24=0/5235, 22-23=0/5235, 21-22=0/5728, 20-21=0/5728, 19-20=0/5728, 18-19=0/5131, 17-18=0/5131, 16-17=0/3948, 15-16=0/2272

WEBS 7-21=-259/279, 8-20=-234/305, 7-22=-675/158, 6-22=0/437, 6-24=-651/0, 4-24=0/691, 4-25=-1013/0, 2-25=0/1081, 2-26=-1423/0, 1-26=0/1588, 8-19=-727/102, 9-19=0/468, 9-17=-682/0, 11-17=0/794, 11-16=-1049/0, 12-16=0/1079, 12-15=-1450/0, 13-15=0/1448

- NOTES-** (7-8)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x6 MT20 unless otherwise indicated.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Required 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.
 - 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F215	FLOOR GIRDER	1	2	
Job Reference (optional)					# 57146

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:07:39 2025 Page 1
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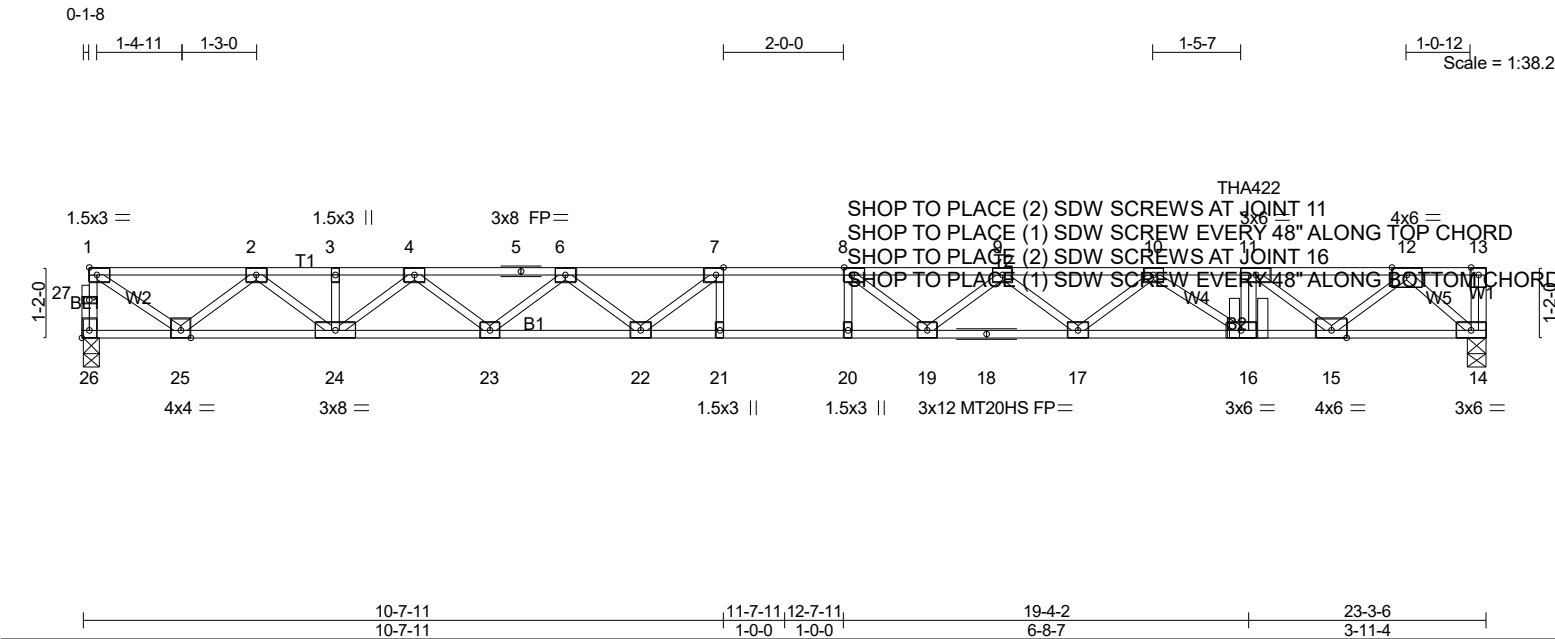


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [26:Edge,0-1-8]					
LOADING (psf)	SPACING-	1-7-3	CSL	DEFL.	in (loc) l/defl L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.62	Vert(LL) -0.45	20 >614 480
TCDL 10.0	Lumber DOL	1.00	BC 0.76	Vert(CT) -0.62	19-20 >444 360
BCLL 0.0	Rep Stress Incr	NO	WB 0.60	Horz(CT) 0.08	14 n/a n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH		
					Weight: 236 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 SS(flat) *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 26=1173/0-3-6 (min. 0-1-8), 14=1843/0-3-8 (min. 0-1-8)

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

TOP CHORD 26-27=-1167/0, 1-27=-1165/0, 1-2=-1569/0, 2-3=-3885/0, 3-4=-3885/0, 4-5=-5599/0, 5-6=-5599/0, 6-7=-6755/0, 7-8=-7372/0, 8-9=-7494/0, 9-10=-7137/0, 10-11=-6133/0, 11-12=-4018/0

BOT CHORD 24-25=0/2839, 23-24=0/4880, 22-23=0/6279, 21-22=0/7372, 20-21=0/7372, 19-20=0/7372, 18-19=0/7471, 17-18=0/7471, 16-17=0/6785, 15-16=0/6133, 14-15=0/2068

WEBS 11-16=0/438, 7-21=0/406, 8-20=-378/2, 7-22=-1118/0, 6-22=0/778, 6-23=-885/0, 4-23=0/936, 4-24=-1270/0, 2-24=0/1335, 2-25=-1652/0, 1-25=0/1845, 8-19=-150/601, 9-17=-434/0, 10-17=0/458, 10-16=-782/0, 11-15=-2654/0, 12-15=0/2537, 12-14=-2751/0

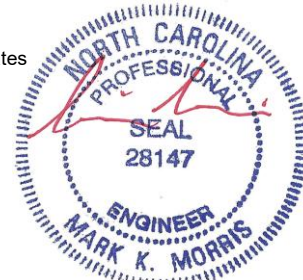
- NOTES- (10-11)
- 1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
 - 2) Unbalanced floor live loads have been considered for this design.
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 4) All plates are 3x4 MT20 unless otherwise indicated.
 - 5) Required 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.
 - 7) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 19-4-2 from the left end to connect truss(es) F211 (1 ply 2x4 SP) to back face of top chord.
 - 8) Fill all nail holes where hanger is in contact with lumber.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 10) 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.
 - 11) 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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-26=-8, 1-13=-80



Continued on page 2

2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F215	FLOOR GIRDER	1	2	Job Reference (optional) # 57146

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:07:39 2025 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 11=-996(B)

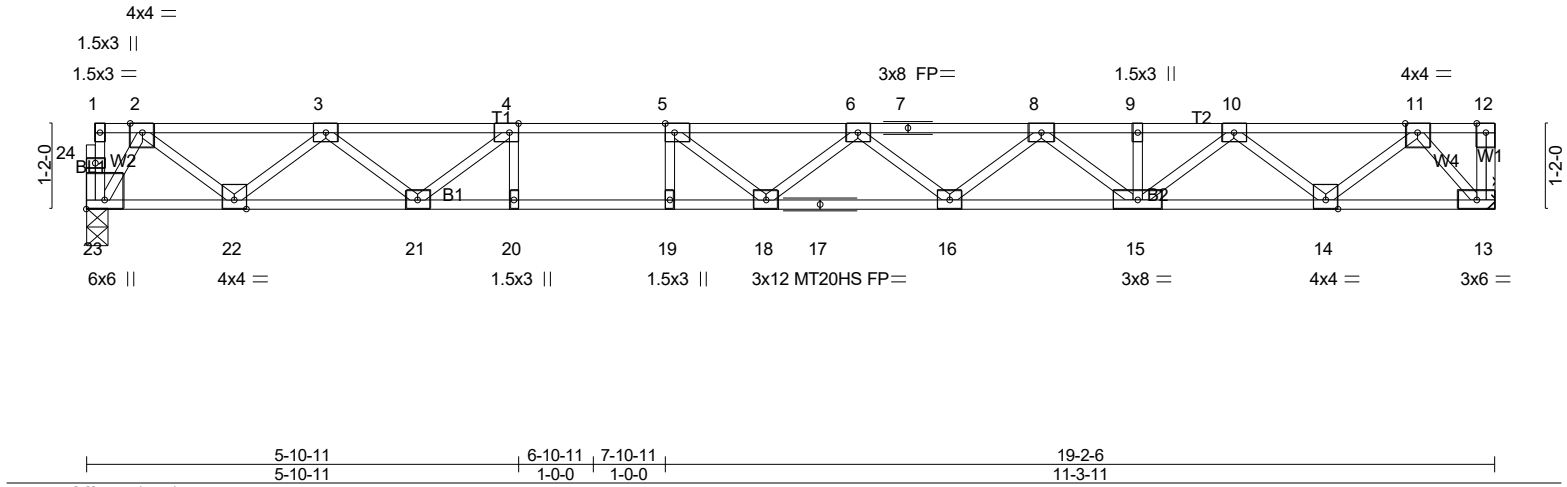


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F216	Floor	2	1	
					Job Reference (optional) # 57146

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ID:gUCksxzC6J7HT2yGkHFINYiOvf-cD_J6mOm7wlgvK9UHOArrSG6UC?heAYEDytXXYzhF1n



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.88	Vert(LL) -0.40	18-19	>575	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.93	Vert(CT) -0.54	18-19	>418	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.06	13	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH						
							Weight: 97 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat) *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
B2: 2x4 SP No.1(flat)	2-2-0 oc bracing: 19-20.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 23=828/0-3-6 (min. 0-1-8), 13=833/Mechanical

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

TOP CHORD 2-3=-1336/0, 3-4=-2669/0, 4-5=-3450/0, 5-6=-3738/0, 6-7=-3556/0, 7-8=-3556/0, 8-9=-2838/0, 9-10=-2838/0, 10-11=-1514/0

BOT CHORD 22-23=0/534, 21-22=0/2092, 20-21=0/3450, 19-20=0/3450, 18-19=0/3450, 17-18=0/3812, 16-17=0/3812, 15-16=0/3296, 14-15=0/2268, 13-14=0/736

WEBS 4-20=0/378, 5-19=-352/0, 4-21=-1051/0, 3-21=0/751, 3-22=-984/0, 2-22=0/1044, 2-23=-1025/0, 5-18=-125/535, 6-16=-333/0, 8-16=0/339, 8-15=-584/0, 10-15=0/728, 10-14=-982/0, 11-14=0/1012, 11-13=-1104/0

- NOTES-** (7-8)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x4 MT20 unless otherwise indicated.
 - 4) Refer to girder(s) for truss to truss connections.
 - 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.
 - 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

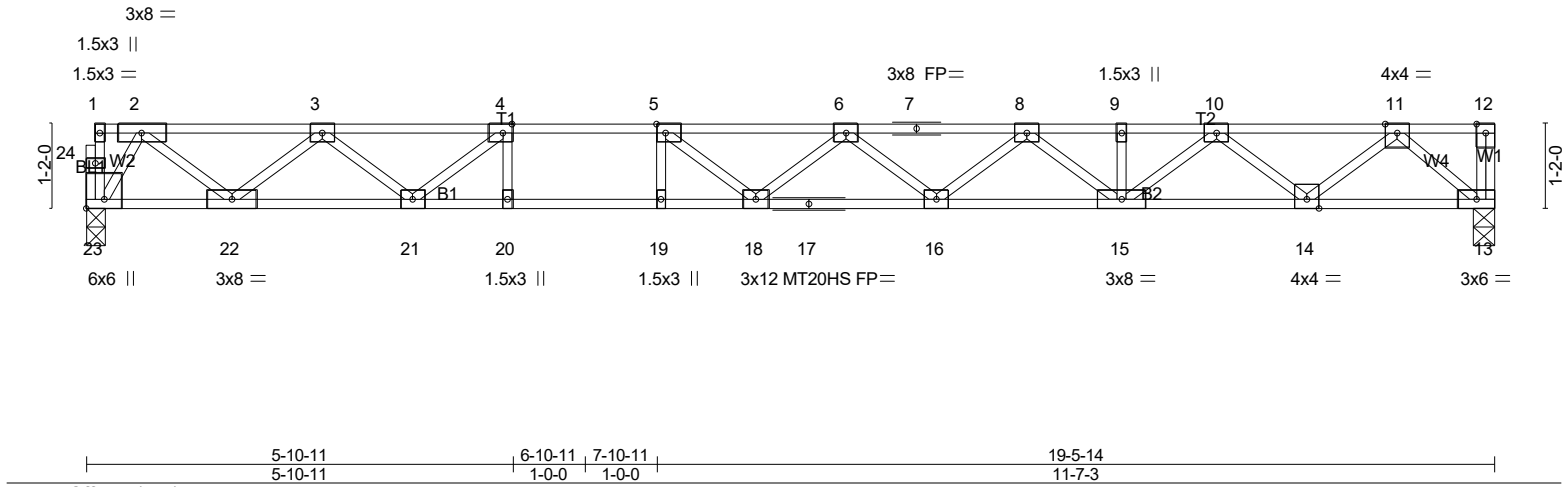


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F217	Floor	4	1	
					Job Reference (optional) # 57146

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LOADING (psf)	SPACING-	1-7-3	CSL	DEFL.	in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.93	Vert(LL)	-0.42 18-19	>550	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.96	Vert(CT)	-0.58 18-19	>400	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.51	Horz(CT)	0.07 13	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
									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 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat) *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
B2: 2x4 SP No.1(flat)	2-2-0 oc bracing: 19-20.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 23=841/0-3-6 (min. 0-1-8), 13=846/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1359/0, 3-4=-2723/0, 4-5=-3533/0, 5-6=-3850/0, 6-7=-3699/0, 7-8=-3699/0, 8-9=-3013/0, 9-10=-3013/0, 10-11=-1720/0

BOT CHORD 22-23=0/543, 21-22=0/2129, 20-21=0/3533, 19-20=0/3533, 18-19=0/3533, 17-18=0/3941, 16-17=0/3941, 15-16=0/3453, 14-15=0/2459, 13-14=0/956

WEBS 4-20=0/393, 5-19=-366/0, 4-21=-1085/0, 3-21=0/773, 3-22=-1001/0, 2-22=0/1063, 2-23=-1042/0, 5-18=-111/569, 6-16=-315/0, 8-16=0/320, 8-15=-563/0, 10-15=0/707, 10-14=-962/0, 11-14=0/995, 11-13=-1255/0

- NOTES-** (6-7)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x4 MT20 unless otherwise indicated.
 - 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

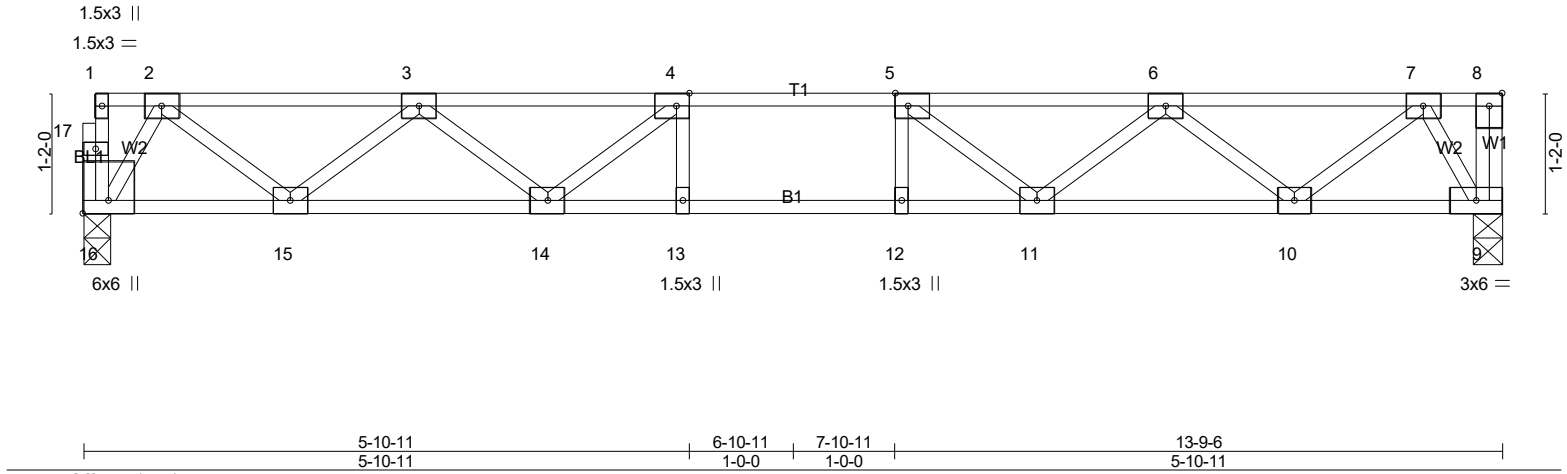
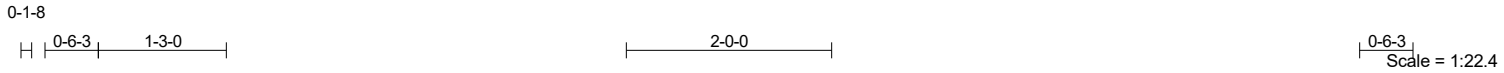


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F218	Floor	13	1	
					Job Reference (optional) # 57146

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LOADING (psf)	SPACING-	1-7-3	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.26	Vert(LL)	-0.09 11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.52	Vert(CT)	-0.12 11-12	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.33	Horz(CT)	0.03 9	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								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 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=590/0-3-6 (min. 0-1-8), 9=595/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-906/0, 3-4=-1665/0, 4-5=-1910/0, 5-6=-1665/0, 6-7=-906/0
BOT CHORD 15-16=0/376, 14-15=0/1413, 13-14=0/1910, 12-13=0/1910, 11-12=0/1910, 10-11=0/1413, 9-10=0/376
WEBS 4-14=-428/0, 3-14=0/355, 3-15=-660/0, 2-15=0/690, 2-16=-720/0, 5-11=-428/0, 6-11=0/355, 6-10=-660/0, 7-10=0/690, 7-9=-717/0

- 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F219	Floor Supported Gable	1	1	Job Reference (optional) # 57146

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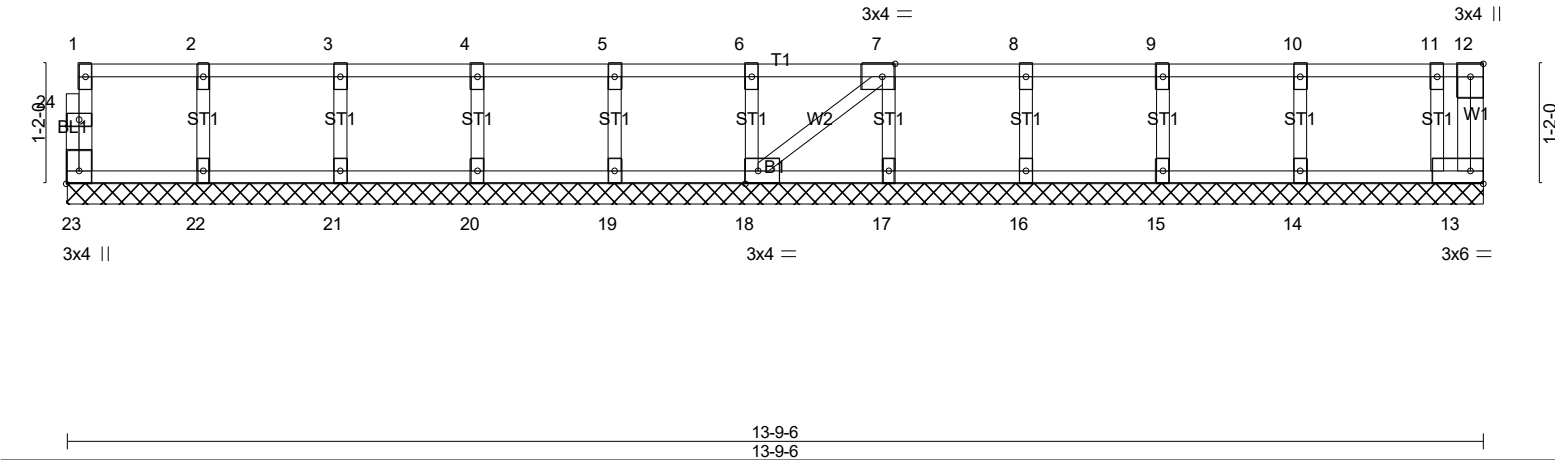


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [18:0-1-8,Edge], [23:Edge,0-1-8]					
LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in (loc) l/defl L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06	Vert(LL)	n/a - n/a 999
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a - n/a 999
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00 13 n/a n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH		
			PLATES		GRIP
			MT20		244/190
			Weight: 62 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 13-9-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 23, 13, 22, 21, 20, 19, 18, 17, 16, 15, 14

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) 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.
 - 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

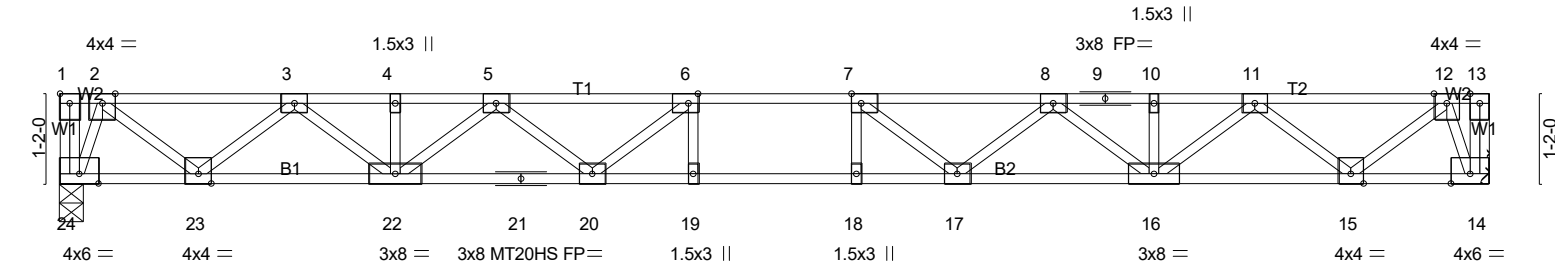
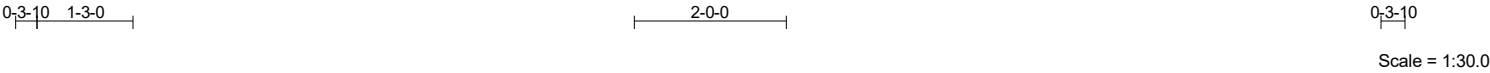


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F220	Floor	12	1	
					Job Reference (optional) # 57146

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8-3-10	9-3-10	10-3-10	18-7-4
8-3-10	1-0-0	1-0-0	8-3-10

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge]							
LOADING (psf)		SPACING-		CSI.		DEFL.	
TCLL 40.0		1-7-3		TC 0.42		in (loc) l/defl L/d	
TCDL 10.0		Plate Grip DOL 1.00		BC 0.84		Vert(LL) -0.26 18-19 >832 480	
BCLL 0.0		Lumber DOL 1.00		WB 0.49		Vert(CT) -0.37 18-19 >603 360	
BCDL 5.0		Rep Stress Incr YES		Matrix-SH		Horz(CT) 0.06 14 n/a n/a	
		Code IRC2021/TPI2014				PLATES GRIP	
						MT20 244/190	
						MT20HS 187/143	
						Weight: 97 lb FT = 20%F, 11%E	

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

REACTIONS. (lb/size) 24=807/0-3-8 (min. 0-1-8), 14=807/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1153/0, 3-4=-2517/0, 4-5=-2517/0, 5-6=-3276/0, 6-7=-3528/0, 7-8=-3276/0, 8-9=-2517/0, 9-10=-2517/0, 10-11=-2517/0, 11-12=-1153/0
BOT CHORD 23-24=0/357, 22-23=0/1927, 21-22=0/3018, 20-21=0/3018, 19-20=0/3528, 18-19=0/3528, 17-18=0/3528, 16-17=0/3018, 15-16=0/1927, 14-15=0/357
WEBS 6-20=-540/18, 5-20=0/429, 5-22=-640/0, 3-22=0/753, 3-23=-1007/0, 2-23=0/1036, 2-24=-942/0, 7-17=-540/18, 8-17=0/429, 8-16=-640/0, 11-16=0/753, 11-15=-1007/0, 12-15=0/1036, 12-14=-942/0

- NOTES- (6-7)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x4 MT20 unless otherwise indicated.
 - 4) Refer to girder(s) for truss to truss connections.
 - 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-F02	F221	Floor Supported Gable	1	1	Job Reference (optional) # 57146

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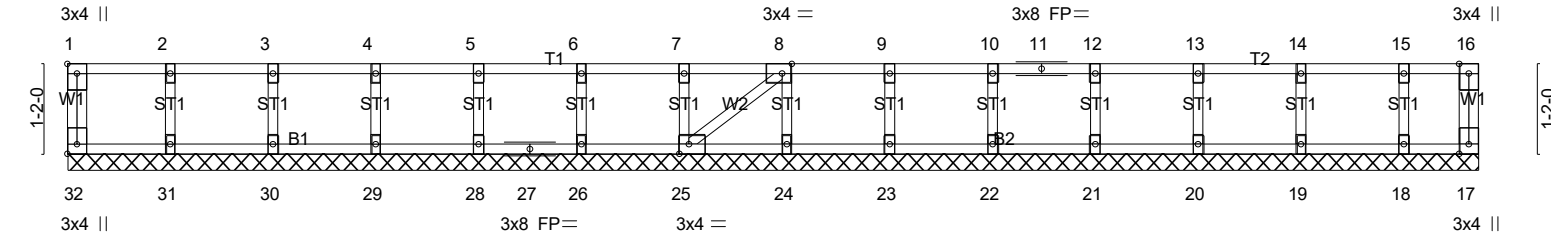


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [25:0-1-8,Edge], [32:Edge,0-1-8]		18-3-10		18-3-10	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	L/d
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL)	n/a -	n/a 999
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT)	n/a -	n/a 999
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT)	-0.00 25	n/a n/a
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
			PLATES	GRIP	
			MT20	244/190	
			Weight: 80 lb	FT = 20%F, 11%E	

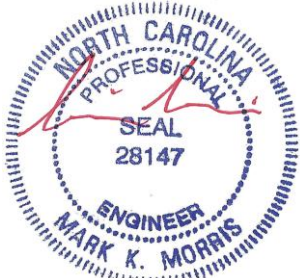
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 18-3-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21, 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.

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