

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 #: 59822

JOB: 25-3822-F01

JOB NAME: LOT 0.0011 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:

F101, F102, F103, F104, F105, F106, F107, F108, F109, F110, F111, F112, F113, F114, F115, F115A, F116, F116A, F117, F118, F119



5/31/2025

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.

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F101	Floor Supported Gable	1	1	
					Job Reference (optional) # 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:23 2025 Page 1
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0-1-8
11

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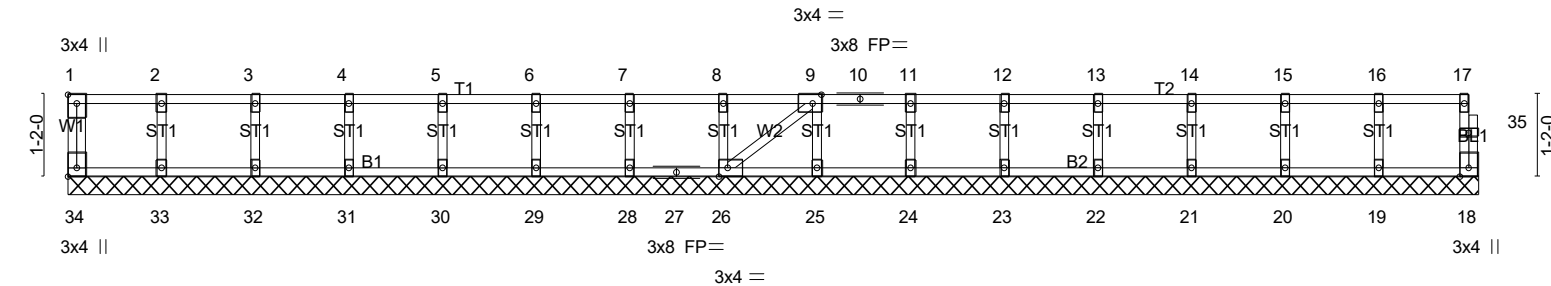


Plate Offsets (X,Y)--		[1:Edge,0-1-8], [9:0-1-8,Edge], [26:0-1-8,Edge], [34:Edge,0-1-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06
TCDL 10.0	Lumber DOL	1.00	BC 0.01
BCLL 0.0	Rep Stress Incr	YES	WB 0.03
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	n/a	-	n/a 999
Vert(CT)	n/a	-	n/a 999
Horz(CT)	0.00	18	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 86 lb		FT = 20%F, 11%E	

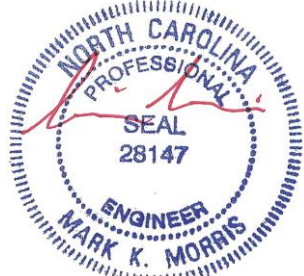
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 20-0-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21, 20, 19

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



5/31/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F102	Floor	4	1	
					# 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:24 2025 Page 1
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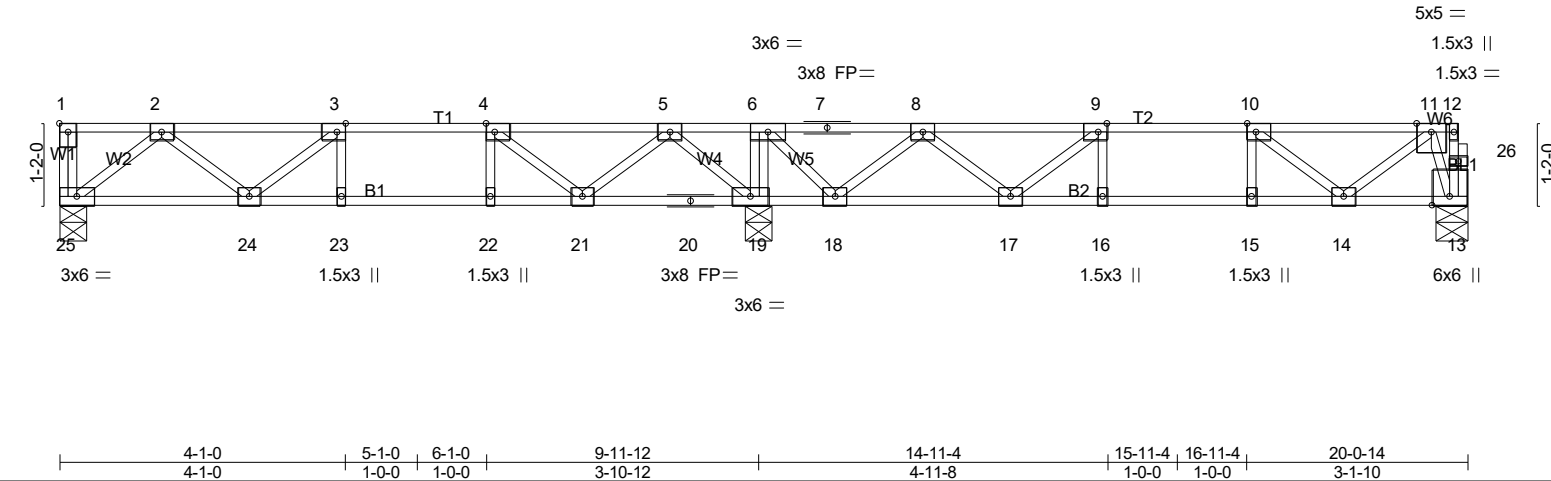
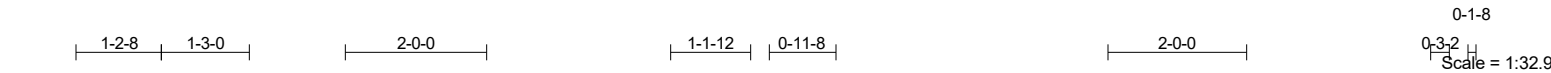


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge]											
LOADING (psf)		SPACING- 1-7-3		CSI.		DEFL. in (loc) l/defl L/d		PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.05 23-24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.42	Vert(CT)	-0.07 23-24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.01 13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH						Weight: 101 lb	FT = 20%F, 11%E

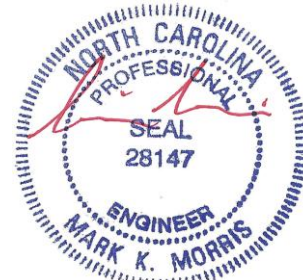
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 19-21,18-19,17-18.
WEBS	2x4 SP No.3(flat)		

REACTIONS. (lb/size) 25=364/0-4-8 (min. 0-1-8), 19=1008/0-4-8 (min. 0-1-8), 13=365/0-5-6 (min. 0-1-8)
Max Grav 25=399(LC 3), 19=1008(LC 1), 13=388(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-678/0, 3-4=-845/0, 4-5=-508/162, 5-6=0/731, 6-7=-3/294, 7-8=-3/294, 8-9=-663/0, 9-10=-819/0, 10-11=-477/0
BOT CHORD 24-25=0/470, 23-24=0/845, 22-23=0/845, 21-22=0/845, 20-21=-316/198, 19-20=-316/198, 18-19=-731/0, 17-18=-43/463, 16-17=0/819, 15-16=0/819, 14-15=0/819
WEBS 6-19=-557/0, 2-24=0/271, 2-25=-597/0, 4-21=-553/0, 5-21=0/480, 5-19=-688/0, 9-17=-299/0, 8-17=0/322, 8-18=-647/0, 6-18=0/607, 10-14=-437/0, 11-14=0/404, 11-13=-496/0

- 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

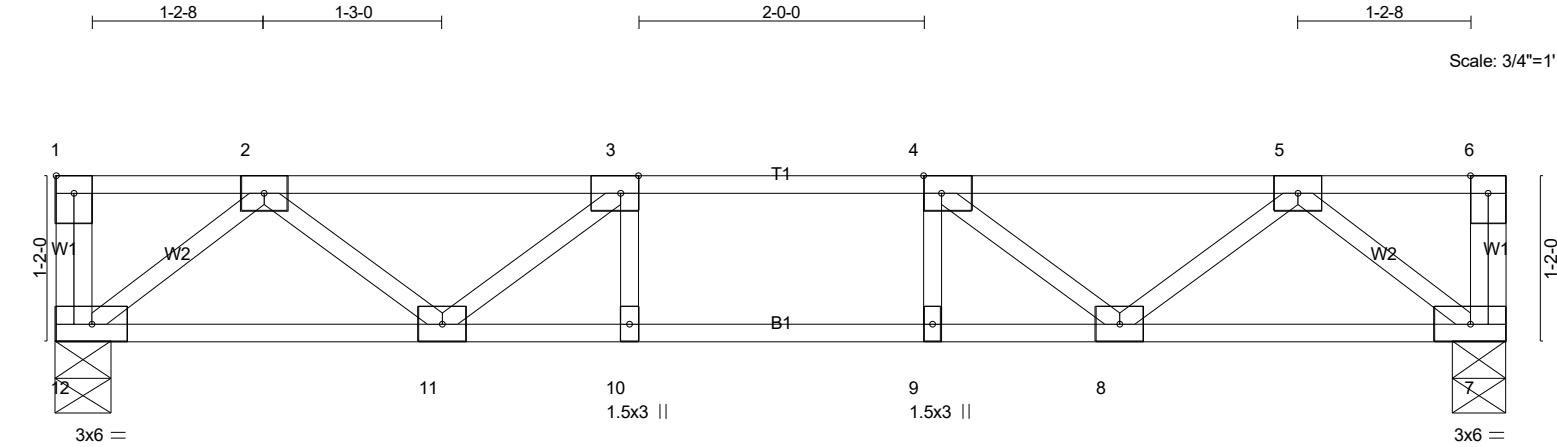


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F103	Floor	3	1	
					Job Reference (optional) # 59822

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4-1-0	5-1-0	6-1-0	10-2-0
4-1-0	1-0-0	1-0-0	4-1-0
Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge]			

LOADING (psf)	SPACING-	CS.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.19	Vert(LL)	-0.04	9	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.32	Vert(CT)	-0.05	9	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.16	Horz(CT)	0.01	7	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH							
	Code IRC2021/TPI2014							Weight: 52 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=436/0-4-8 (min. 0-1-8), 7=436/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-772/0, 3-4=-1022/0, 4-5=-772/0
BOT CHORD 11-12=0/511, 10-11=0/1022, 9-10=0/1022, 8-9=0/1022, 7-8=0/511
WEBS 3-11=-349/0, 2-11=0/340, 2-12=-649/0, 4-8=-349/0, 5-8=0/340, 5-7=-649/0

- 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.
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LOAD CASE(S) Standard

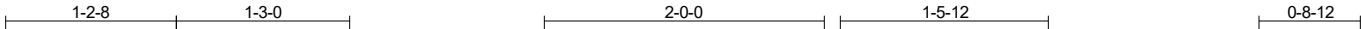


5/31/2025

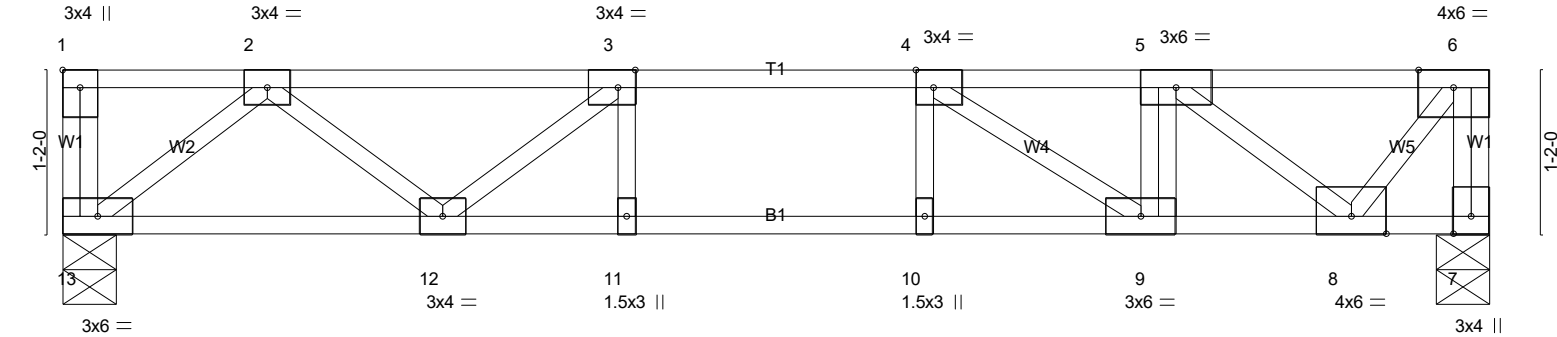
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F104	Floor	1	1	
					Job Reference (optional) # 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:25 2025 Page 1
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Scale = 1:16.4



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

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 0.64	Vert(LL) -0.12 9-10 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.95	Vert(CT) -0.15 9-10 >776 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.56	Horz(CT) 0.02 7 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 55 lb	FT = 20%F, 11%E

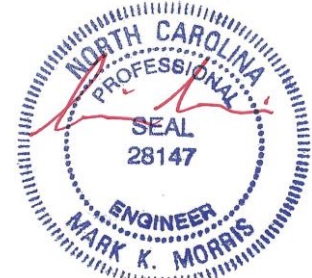
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 7=994/0-4-8 (min. 0-1-8), 13=598/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-985/0, 2-3=-1181/0, 3-4=-1781/0, 4-5=-1973/0, 5-6=-750/0
BOT CHORD 12-13=0/687, 11-12=0/1781, 10-11=0/1781, 9-10=0/1781, 8-9=0/1973
WEBS 3-12=-795/0, 2-12=0/642, 2-13=-872/0, 4-9=-263/403, 5-8=-1534/0, 6-8=0/1183

- NOTES-** (4-5)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 3) 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-13=-8, 1-6=-80
Concentrated Loads (lb)
Vert: 5=-720



5/31/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F105	Floor	3	1	
					# 59822

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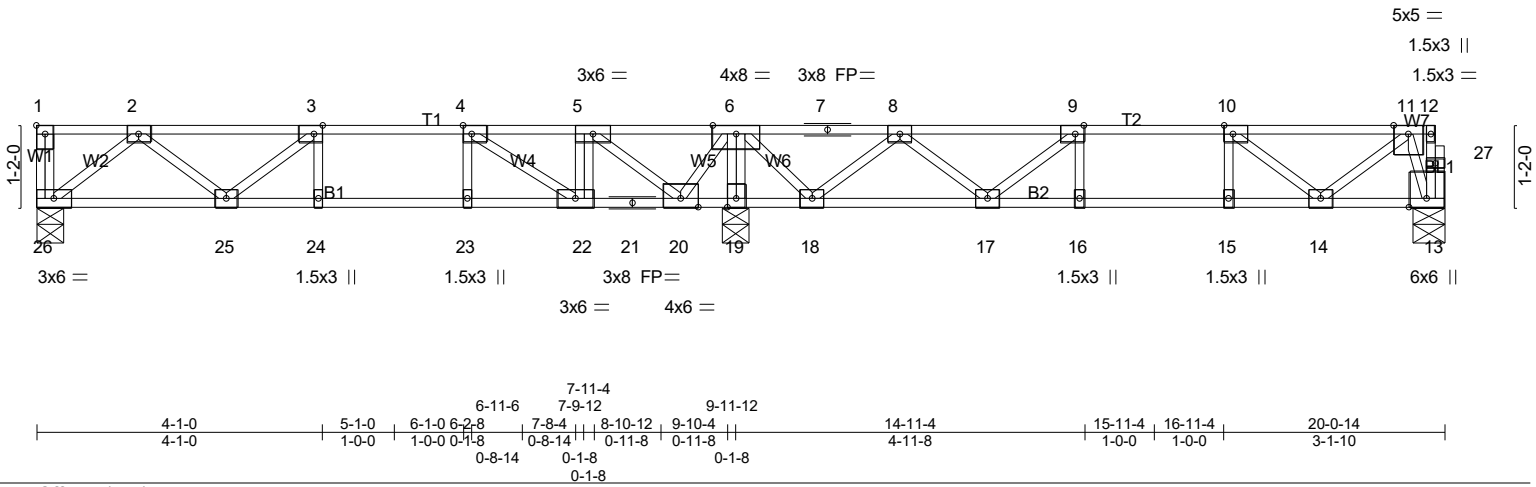
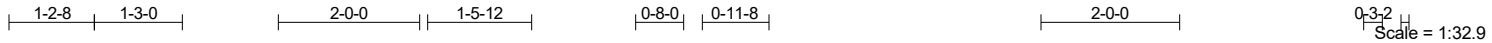


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge]							
LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in	(loc)	PLATES
TCLL 40.0	Plate Grip DOL	1.00	TC 0.35	Vert(LL)	-0.05	23	MT20
TCDL 10.0	Lumber DOL	1.00	BC 0.40	Vert(CT)	-0.07	23	GRIP
BCLL 0.0	Rep Stress Incr	NO	WB 0.61	Horz(CT)	0.01	19	244/190
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH				
				Weight: 104 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) 26=459/0-4-8 (min. 0-1-8), 19=1697/0-4-8 (min. 0-1-8), 13=302/0-5-6 (min. 0-1-8)
Max Grav 26=493(LC 3), 19=1697(LC 1), 13=370(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-916/0, 3-4=-1285/0, 4-5=-1167/18, 5-6=0/579, 6-7=0/827, 7-8=0/827, 8-9=-555/334, 9-10=-751/105, 10-11=-449/0
BOT CHORD 25-26=0/573, 24-25=0/1285, 23-24=0/1285, 22-23=0/1285, 21-22=-18/1167, 20-21=-18/1167, 19-20=-1318/0, 18-19=-1307/0, 17-18=-519/331, 16-17=-105/751, 15-16=-105/751, 14-15=-105/751
WEBS 6-19=-1651/0, 3-25=-471/1, 2-25=0/446, 2-26=-727/0, 4-22=-495/0, 5-20=-1690/0, 6-20=0/1272, 9-17=-480/0, 8-17=0/440, 8-18=-722/0, 6-18=0/668, 10-14=-385/134, 11-14=-36/371, 11-13=-490/0

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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-8, 1-12=-80
Concentrated Loads (lb)
Vert: 5=-720



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F106	Floor	1	1	
					Job Reference (optional) # 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:27 2025 Page 1
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Scale = 1:36.2

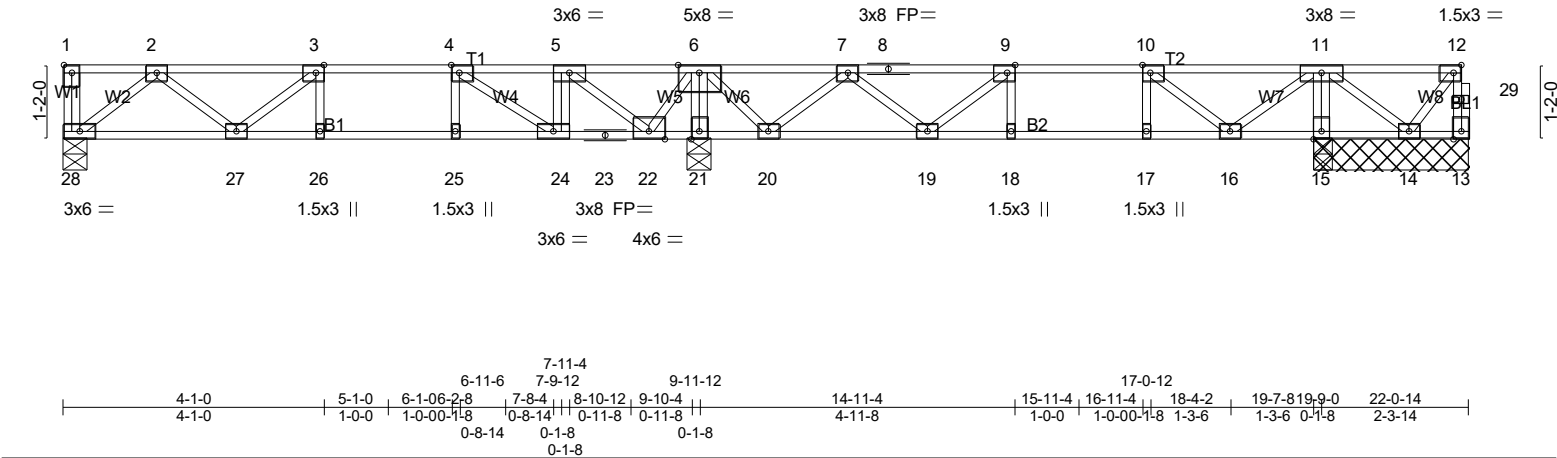


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge]							
LOADING (psf)		SPACING-		CSI.		DEFL.	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	in (loc)	L/def
TCDL	10.0	Lumber DOL	1.00	BC	0.40	Vert(LL)	-0.05 26-27 >999 480
BCLL	0.0	Rep Stress Incr	NO	WB	0.61	Vert(CT)	-0.06 25 >999 360
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH		Horz(CT)	0.01 21 n/a n/a
				Weight: 115 lb FT = 20%F, 11%E			

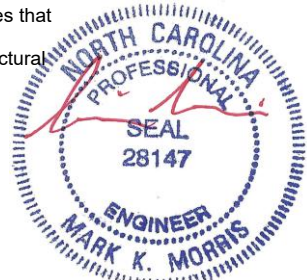
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 27-28,26-27,25-26,24-25.
WEBS	2x4 SP No.3(flat)		

REACTIONS. All bearings 2-5-6 except (jt=length) 28=0-4-8, 21=0-4-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 14 except 13=-176(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 13, 14 except 28=487(LC 3), 21=1675(LC 9), 15=647(LC 10), 15=582(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-903/0, 3-4=-1259/0, 4-5=-1126/50, 5-6=0/650, 6-7=0/945, 7-8=-454/476, 8-9=-454/476, 9-10=-609/305, 10-11=-261/264
BOT CHORD 27-28=0/567, 26-27=0/1259, 25-26=0/1259, 24-25=0/1259, 23-24=-50/1126, 22-23=-50/1126, 21-22=-1396/0, 20-21=-1386/0, 19-20=-625/256, 18-19=-305/609, 17-18=-305/609, 16-17=-305/609, 15-16=-482/0, 14-15=-484/0
WEBS 6-21=-1627/0, 3-27=-456/13, 11-15=-634/0, 2-27=0/436, 2-28=-720/0, 4-24=-508/0, 5-22=-1696/0, 6-22=0/1278, 9-19=-368/0, 7-19=0/368, 7-20=-668/0, 6-20=0/613, 10-16=-445/53, 11-16=0/432, 11-14=0/375, 12-14=-294/0

- 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 100 lb uplift at joint(s) 14 except (jt=lb) 13=176.
 - 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-28=-8, 1-12=-80
Concentrated Loads (lb)
Vert: 5=-720

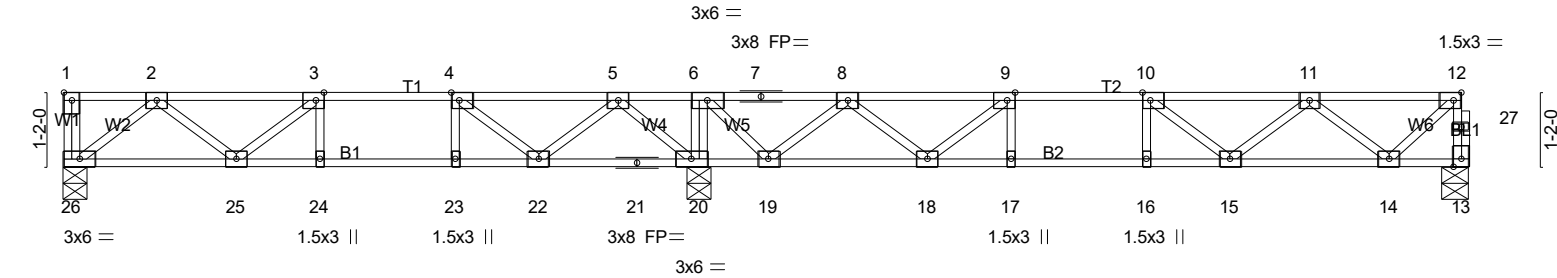
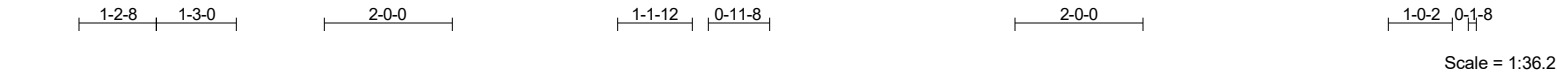


5/31/2025

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F107	Floor	6	1	
					# 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:27 2025 Page 1
ID:UMCU2t6gUxCLqMIKo_q9qxyaVB1-bEow4DKIKFq2JNZRJRECgmb1?nVf19zww_toURzAxwg



4-1-0	5-1-0	6-1-0	9-11-12	14-11-4	15-11-4	16-11-4	22-0-14
4-1-0	1-0-0	1-0-0	3-10-12	4-11-8	1-0-0	1-0-0	5-1-10

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge]							
LOADING (psf)	SPACING- 1-7-3		CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.29	Vert(LL)	-0.07 15-16	>999	480
TCDL 10.0	Lumber DOL	1.00	BC 0.49	Vert(CT)	-0.09 15-16	>999	360
BCLL 0.0	Rep Stress Incr	YES	WB 0.34	Horz(CT)	0.02 13	n/a	n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH				
				PLATES	GRIP		
				MT20	244/190		
				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 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3(flat)	6-0-0 oc bracing: 20-22,19-20,18-19.

REACTIONS. (lb/size) 26=368/0-4-8 (min. 0-1-8), 13=468/0-5-6 (min. 0-1-8), 20=1078/0-4-8 (min. 0-1-8)
Max Grav 26=399(LC 10), 13=488(LC 7), 20=1078(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-27=-484/0, 12-27=-483/0, 2-3=-680/0, 3-4=-849/0, 4-5=-514/131, 5-6=0/698,
8-9=-971/0, 9-10=-1298/0, 10-11=-1134/0, 11-12=-454/0
BOT CHORD 25-26=0/471, 24-25=0/849, 23-24=0/849, 22-23=0/849, 21-22=-280/204, 20-21=-280/204,
19-20=-698/0, 18-19=-3/666, 17-18=0/1298, 16-17=0/1298, 15-16=0/1298, 14-15=0/934
WEBS 6-20=-634/0, 2-25=0/272, 2-26=-598/0, 4-22=-544/0, 5-22=0/475, 5-20=-682/0,
9-18=-503/0, 8-18=0/451, 8-19=-744/0, 6-19=0/707, 11-15=0/261, 11-14=-624/0,
12-14=0/593

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



5/31/2025

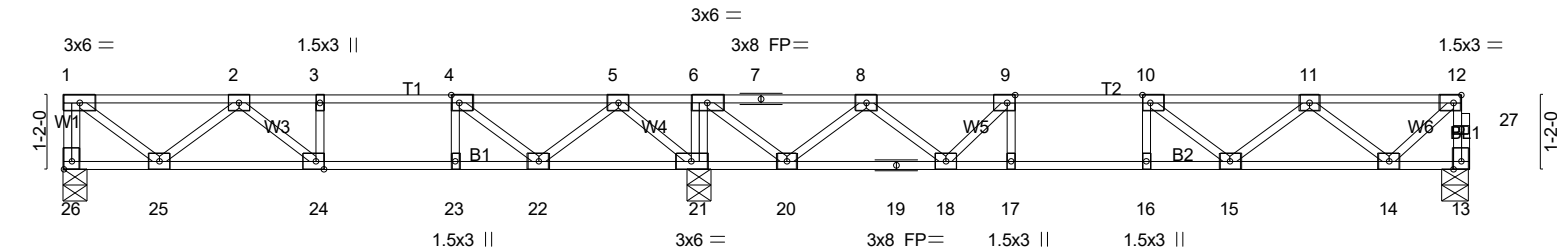
Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F108	Floor	3	1	
					# 59822

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Scale = 1:36.2



1-6-0	3-11-8	4-1-05-1-0	6-1-0	7-5-8	9-10-4	9-11-1211-4-4	13-10-4	14-11-4	15-11-4	16-11-4	18-3-12	20-9-12	22-0-14
1-6-0	2-5-8	0-1-81-0-0	1-0-0	1-4-8	2-4-12	0-1-8 1-4-8	2-6-0	1-1-0	1-0-0	1-0-0	1-4-8	2-6-0	1-3-2

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge], [24:0-1-8,Edge], [26: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 0.60	Vert(LL)	-0.09 24-25	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.72	Vert(CT)	-0.12 24-25	>977	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.38	Horz(CT)	0.02 13	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
									Weight: 110 lb FT = 20%F, 11%E

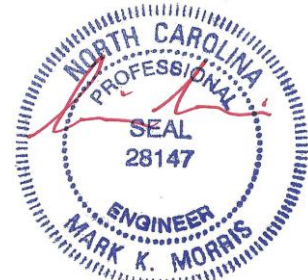
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3(flat)	6-0-0 oc bracing: 21-22,20-21.

REACTIONS. (lb/size) 26=528/0-4-8 (min. 0-1-8), 13=480/0-5-6 (min. 0-1-8), 21=1146/0-4-8 (min. 0-1-8)
Max Grav 26=558(LC 3), 13=500(LC 7), 21=1146(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-565/0, 13-27=-497/0, 12-27=-496/0, 1-2=-635/0, 2-3=-1348/0, 3-4=-1348/0,
4-5=-844/31, 5-6=0/507, 6-7=-372/3, 7-8=-372/3, 8-9=-1144/0, 9-10=-1368/0,
10-11=-1179/0, 11-12=-468/0
BOT CHORD 24-25=0/1148, 23-24=0/1348, 22-23=0/1348, 21-22=-213/418, 20-21=-507/0, 19-20=0/875,
18-19=0/875, 17-18=0/1368, 16-17=0/1368, 15-16=0/1368, 14-15=0/961
WEBS 6-21=-636/0, 1-25=0/797, 2-25=-668/0, 2-24=-28/276, 4-22=-754/0, 5-22=0/627,
5-21=-766/0, 6-20=0/752, 8-20=-693/0, 8-18=0/401, 9-18=-409/0, 11-15=0/285,
11-14=-642/0, 12-14=0/610

- 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-8, 1-12=-80
Concentrated Loads (lb)
Vert: 3=-240

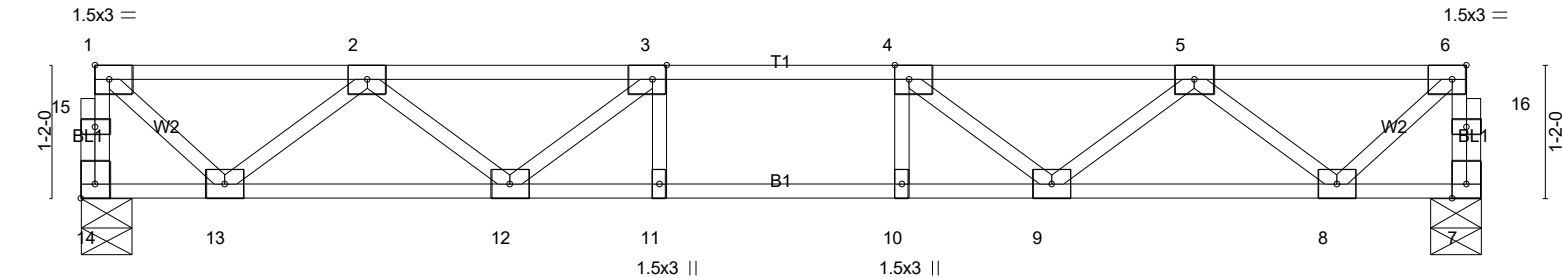
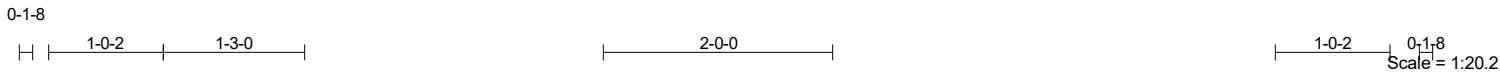


5/31/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F109	Floor	1	1	
					Job Reference (optional) # 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:29 2025 Page 1
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	5-1-10	6-1-10	7-1-10	12-3-4
	5-1-10	1-0-0	1-0-0	5-1-10
Plate Offsets (X,Y)--	[3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]			

LOADING (psf)	SPACING-	1-7-3	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.22	Vert(LL)	-0.07	9-10	>999	480	MT20
TCDL 10.0	Lumber DOL	1.00	BC 0.43	Vert(CT)	-0.09	10	>999	360	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.31	Horz(CT)	0.02	7	n/a	n/a	
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
									Weight: 62 lb FT = 20%F, 11%E

LUMBER-	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) 14=524/0-5-6 (min. 0-1-8), 7=524/0-5-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-521/0, 1-15=-521/0, 7-16=-521/0, 6-16=-521/0, 1-2=-493/0, 2-3=-1261/0, 3-4=-1504/0, 4-5=-1261/0, 5-6=-493/0
BOT CHORD 12-13=0/1011, 11-12=0/1504, 10-11=0/1504, 9-10=0/1504, 8-9=0/1011
WEBS 3-12=-393/0, 2-12=0/333, 2-13=-674/0, 1-13=0/643, 4-9=-393/0, 5-9=0/333, 5-8=-674/0, 6-8=0/643

- NOTES-** (4-5)
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - 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



5/31/2025

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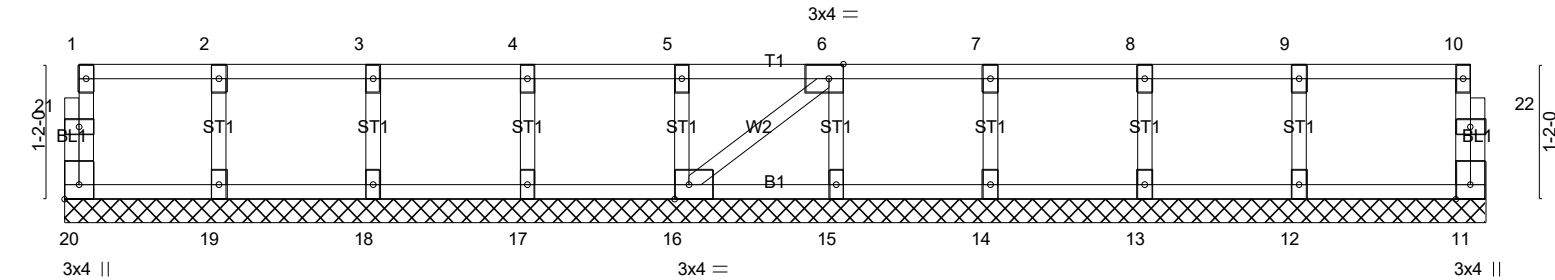
Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F110	Floor Supported Gable	1	1	Job Reference (optional) # 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:29 2025 Page 1
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0-1-8

0-1-8

Scale = 1:19.9



										12-3-4							
Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [20:Edge,0-1-8]										12-3-4							
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	0.08	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	0.04	Horz(CT)		0.00	11	n/a		n/a					
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH										Weight: 54 lb		FT = 20%F, 11%E	

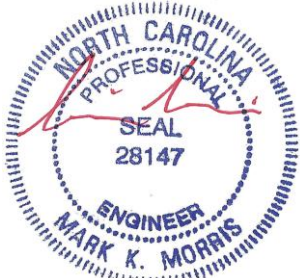
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 12-3-4.
(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- (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



5/31/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F111	Floor	1	1	
					Job Reference (optional) # 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:29 2025 Page 1
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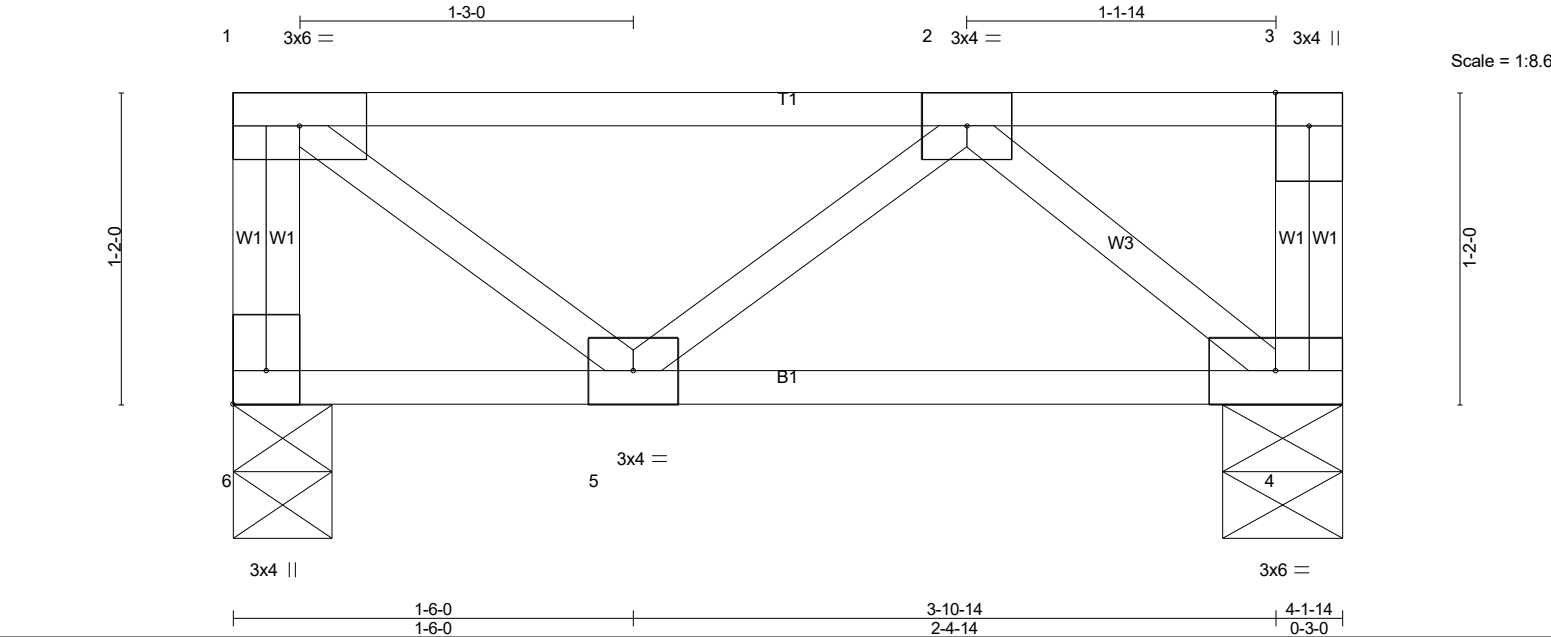


Plate Offsets (X,Y)-- [6:Edge,0-1-8]							
LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.22	Vert(LL)	-0.00	5	>999
TCDL 10.0	Lumber DOL	1.00	BC 0.06	Vert(CT)	-0.00	4-5	>999
BCLL 0.0	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	4	n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 25 lb		FT = 20%F, 11%E	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 4-1-14 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)	

REACTIONS. (lb/size) 6=172/0-4-8 (min. 0-1-8), 4=172/0-5-6 (min. 0-1-8)

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

- NOTES-** (2-3)
- 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) 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.
 - 3) 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.

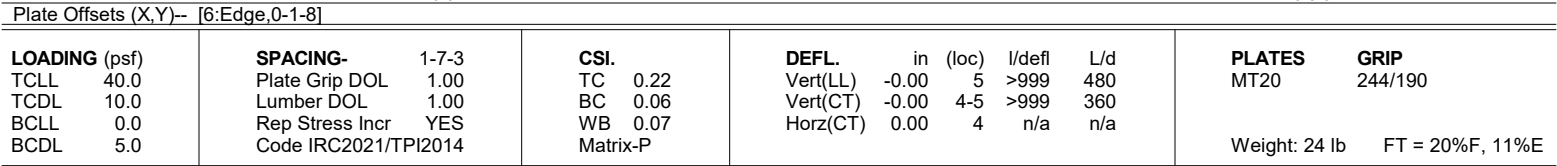
LOAD CASE(S) Standard



5/31/2025

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D’Onofrio Drive, Madison, WI 53719.

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:30 2025 Page 1
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BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 4-1-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

NOTES- (3-4)

- 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) 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.
- 4) 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



5/31/2025

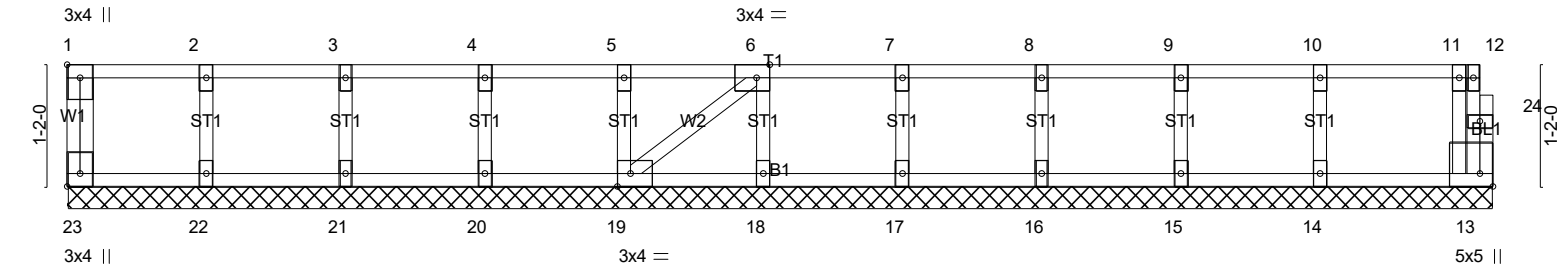
Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F113	Floor Supported Gable	1	1	Job Reference (optional) # 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:30 2025 Page 1
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0-1-8

Scale = 1:22.1



13-7-14 13-7-14									
Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [13:Edge,0-1-8], [19:0-1-8,Edge], [23:Edge,0-1-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a - n/a	999	MT20
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a - n/a	999	244/190
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					
								Weight: 62 lb	FT = 20%F, 11%E

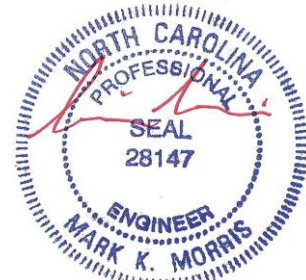
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS. All bearings 13-7-14.
(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



5/31/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F114	Floor Supported Gable	1	1	
					Job Reference (optional) # 59822

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0-1-8

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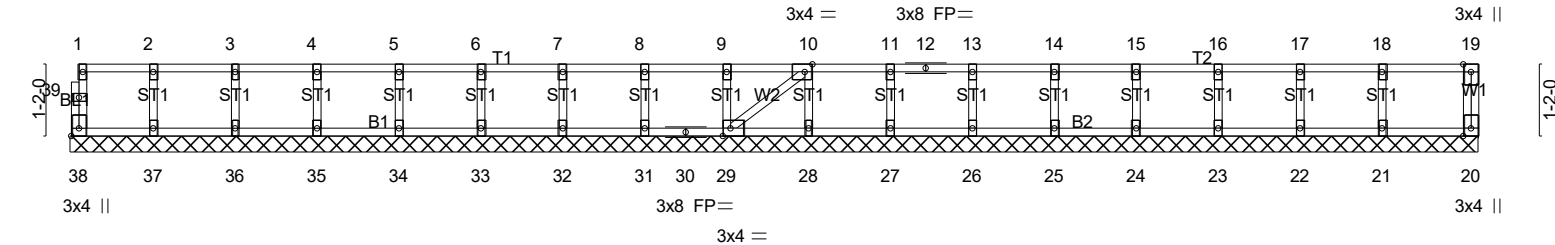


Plate Offsets (X,Y)--	[10:0-1-8,Edge], [29:0-1-8,Edge], [38:Edge,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	20	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 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 22-10-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 31, 29, 28, 27, 26, 25, 24, 23, 22, 21

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



5/31/2025

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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:31 2025 Page 1
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[illegible]

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

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

TOP CHORD	13-14=-403/0, 2-3=-847/0, 3-4=-1529/0, 4-5=-1703/0, 5-6=-1387/0, 6-7=-548/0, 7-8=-548/0, 8-9=0/658, 9-10=-350/348, 10-11=-840/87, 11-12=-821/0, 12-13=-307/0
BOT CHORD	27-28=0/353, 26-27=0/1321, 25-26=0/1703, 24-25=0/1703, 23-24=0/1703, 22-23=0/1088, 21-22=0/1088, 20-21=-314/26, 19-20=-658/0, 18-19=-87/840, 17-18=-87/840, 16-17=-87/840, 15-16=0/710
WEBS	9-20=-453/0, 4-26=-298/0, 3-26=0/273, 3-27=-616/0, 2-27=0/643, 2-28=-679/0, 5-23=-473/0, 6-23=0/431, 6-21=-740/0, 8-21=0/765, 8-20=-784/0, 10-19=-771/0, 9-19=0/616, 12-15=-524/0, 13-15=0/459

LOAD CASE(S) Standard



Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F115A	Floor	1	1	
					# 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:31 2025 Page 1
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0-1-8 1-3-0 0-6-3 2-0-0 0-5-7 2-0-0 0-9-12
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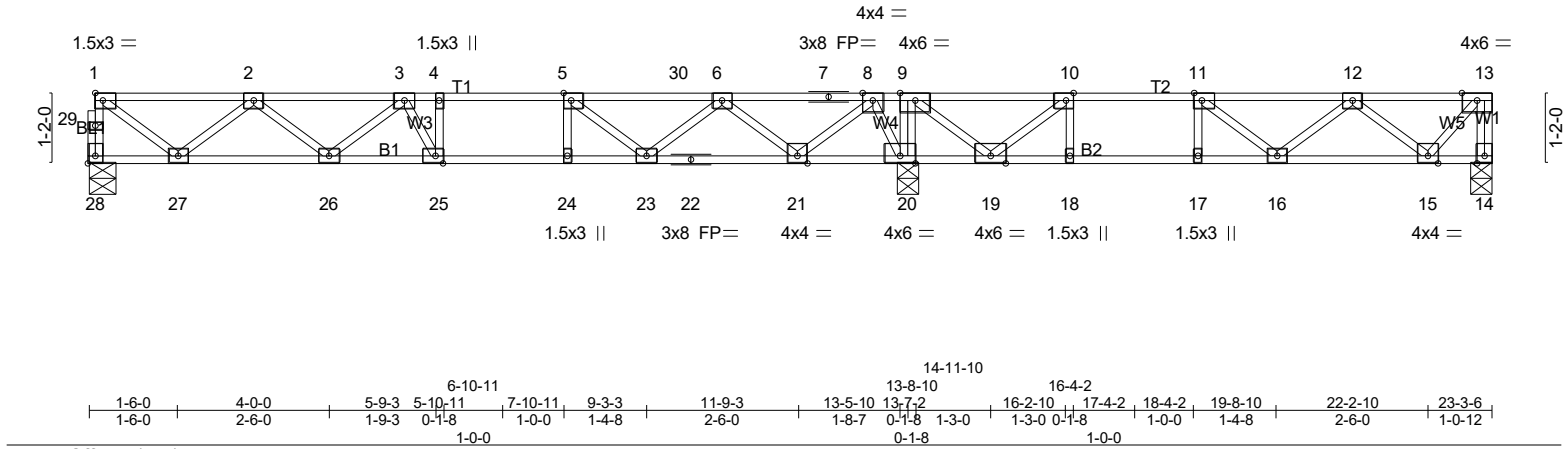


Plate Offsets (X,Y)--		[5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [25:0-1-8,Edge], [28:Edge,0-1-8]	
LOADING (psf)	SPACING	CSL	DEFL.
TCLL 40.0	1-7-3	TC 0.94	in (loc) l/defl L/d
TCDL 10.0	Plate Grip DOL 1.00	BC 0.87	Vert(LL) -0.16 16-17 >701 480
BCLL 0.0	Lumber DOL 1.00	WB 0.58	Vert(CT) -0.22 16-17 >529 360
BCDL 5.0	Rep Stress Incr NO	Matrix-SH	Horz(CT) 0.04 14 n/a n/a
Code IRC2021/TPI2014		Weight: 117 lb FT = 20%F, 11%E	

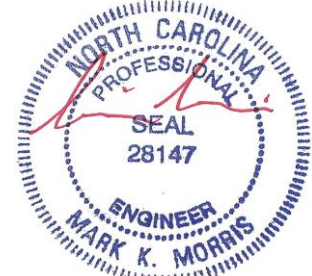
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat) *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
B2: 2x4 SP SS(flat)	6-0-0 oc bracing: 20-21,19-20.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 28=581/0-5-6 (min. 0-1-8), 14=814/0-4-8 (min. 0-1-8), 20=1962/0-4-8 (min. 0-1-8)
Max Grav 28=603(LC 10), 14=883(LC 4), 20=1962(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-600/0, 1-29=-599/0, 13-14=-870/0, 1-2=-688/0, 2-3=-1602/0, 3-4=-1992/0,
4-5=-1992/0, 5-30=-1788/0, 6-30=-1788/0, 6-7=-833/0, 7-8=-833/0, 8-9=0/1066,
9-10=-814/464, 10-11=-1849/0, 11-12=-1783/0, 12-13=-657/0
BOT CHORD 26-27=0/1287, 25-26=0/1905, 24-25=0/1992, 23-24=0/1992, 22-23=0/1556, 21-22=0/1556,
20-21=-540/112, 19-20=-1066/0, 18-19=0/1849, 17-18=0/1849, 16-17=0/1849, 15-16=0/1543
WEBS 10-18=0/412, 11-17=-373/0, 9-20=-970/0, 1-27=0/833, 2-27=-779/0, 2-26=0/409,
3-26=-395/0, 3-25=-103/359, 5-23=-421/0, 6-23=0/393, 6-21=-1019/0, 8-21=0/1031,
8-20=-1243/0, 9-19=0/1220, 10-19=-1527/0, 12-16=-57/313, 12-15=-1153/0, 13-15=0/983

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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 13-30=-180



5/31/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F116	FLOOR	4	1	# 59822

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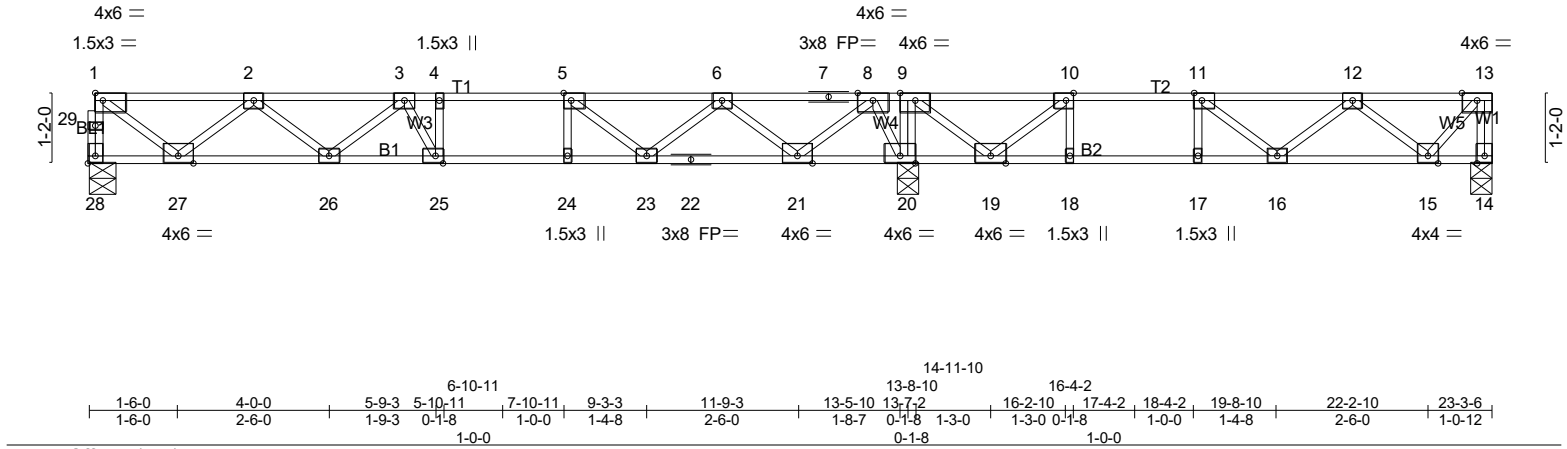


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [25:0-1-8,Edge], [28:Edge,0-1-8]											
LOADING (psf)		SPACING- 1-7-3		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.73	Vert(LL)	-0.09	25-26	>999	480	MT20 244/190
TCDL	60.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.21	25-26	>752	360	
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.05	14	n/a	n/a	
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 117 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) *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
B2: 2x4 SP SS(flat)	6-0-0 oc bracing: 20-21, 19-20.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 28=1037/0-5-6 (min. 0-1-8), 14=684/0-4-8 (min. 0-1-8), 20=2136/0-4-8 (min. 0-1-8)
Max Grav 28=1047(LC 10), 14=733(LC 4), 20=2136(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-1041/0, 1-29=-1040/0, 13-14=-719/0, 1-2=-1167/0, 2-3=-2679/0, 3-4=-3123/0, 4-5=-3123/0, 5-6=-2495/0, 6-7=-844/0, 7-8=-844/0, 8-9=0/1189, 9-10=-289/437, 10-11=-1342/0, 11-12=-1410/0, 12-13=-538/0
BOT CHORD 26-27=0/2205, 25-26=0/3106, 24-25=0/3123, 23-24=0/3123, 22-23=0/1910, 21-22=0/1910, 20-21=-531/0, 19-20=-1189/0, 18-19=0/1342, 17-18=0/1342, 16-17=0/1342, 15-16=0/1269
WEBS 10-18=0/398, 11-17=-359/0, 9-20=-874/0, 1-27=0/1410, 2-27=-1352/0, 2-26=0/617, 3-26=-555/0, 3-25=-140/252, 5-23=-868/0, 6-23=0/804, 6-21=-1424/0, 8-21=0/1436, 8-20=-1431/0, 9-19=0/1162, 10-19=-1489/0, 11-16=0/281, 12-15=-951/0, 13-15=0/804

- 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.

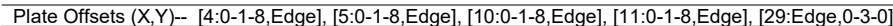
LOAD CASE(S) Standard



5/31/2025

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:32 2025 Page 1
ID:UMCU2t6gUxClqMIko_g9qxyvaVB1-yBcp7wou9nTL P8BP5_gNNp.Inso4QiOcf2GbZ9ezAxwb

[illegible]Weight: 120 lb FT = 20%F, 11%E

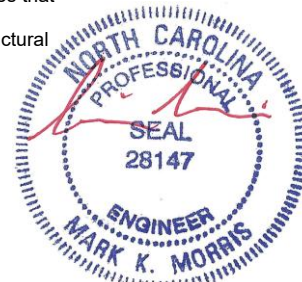
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 21-22 20-21.

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

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.

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-29=-8, 1-14=-80
Concentrated Loads (lb)
Vert: 12=-640



5/31/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F117	Floor	1	1	
					# 59822

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat May 31 16:02:33 2025 Page 1
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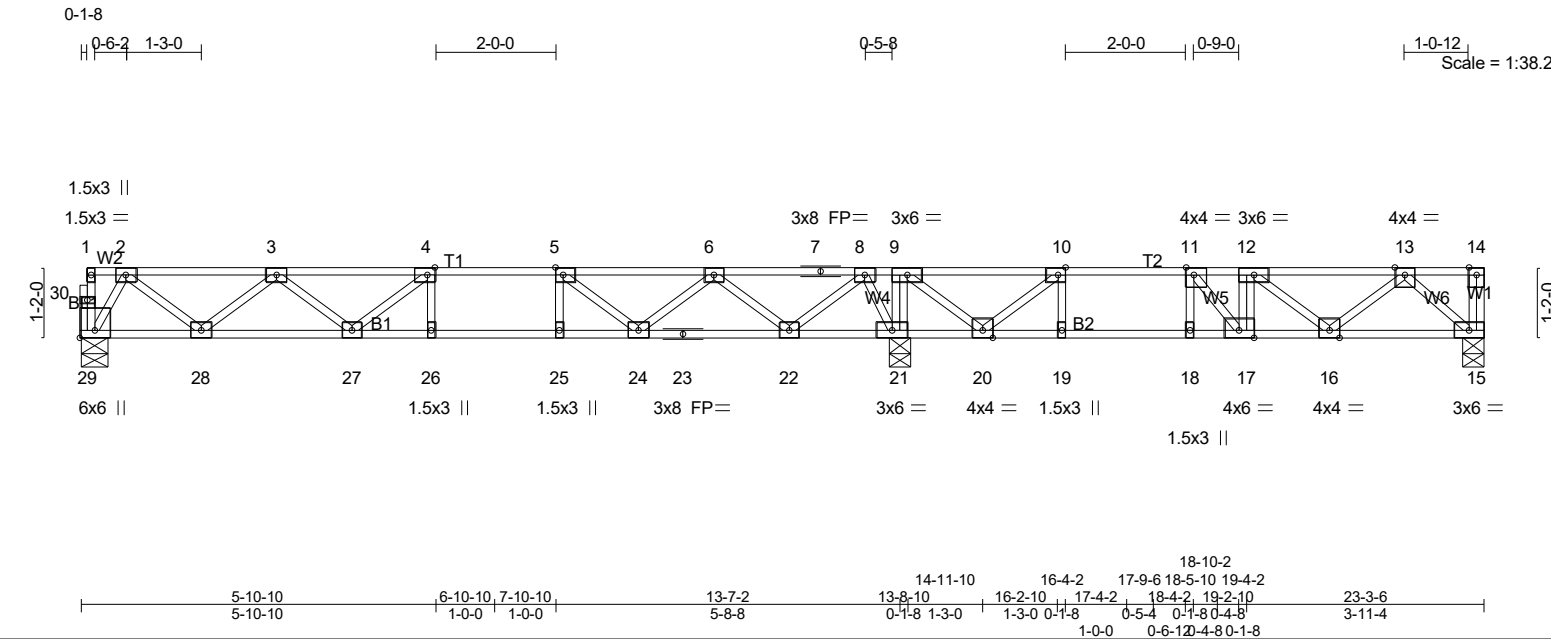


Plate Offsets (X,Y)--		[4:0-1-8,Edge], [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [29:Edge,0-3-0]	
LOADING (psf)	SPACING-	1-7-3	CSI.
TCLL 40.0	Plate Grip DOL	1.00	TC 0.73
TCDL 10.0	Lumber DOL	1.00	BC 0.96
BCLL 0.0	Rep Stress Incr	NO	WB 0.50
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
		DEFL.	in (loc) l/defl L/d
		Vert(LL)	-0.16 17-18 >714 480
		Vert(CT)	-0.22 17-18 >526 360
		Horz(CT)	0.04 15 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 120 lb FT = 20%F, 11%E	

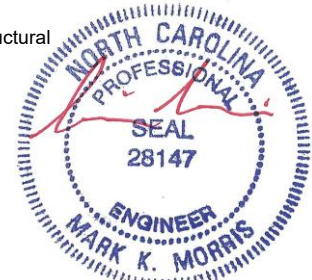
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat) *Except* T2: 2x4 SP SS(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat) *Except* B2: 2x4 SP SS(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3(flat)	6-0-0 oc bracing: 21-22,20-21.

REACTIONS. (lb/size) 29=570/0-5-6 (min. 0-1-8), 21=1310/0-4-8 (min. 0-1-8), 15=781/0-4-8 (min. 0-1-8)
Max Grav29=580(LC 10), 21=1310(LC 1), 15=830(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-886/0, 3-4=-1621/0, 4-5=-1844/0, 5-6=-1578/0, 6-7=-791/0, 7-8=-791/0,
8-9=-235/608, 9-10=-972/220, 10-11=-1925/0, 11-12=-2492/0, 12-13=-1658/0
BOT CHORD 28-29=0/367, 27-28=0/1383, 26-27=0/1844, 25-26=0/1844, 24-25=0/1844, 23-24=0/1308,
22-23=0/1308, 21-22=-256/352, 20-21=-608/235, 19-20=0/1925, 18-19=0/1925,
17-18=0/1925, 16-17=0/2492, 15-16=0/908
WEBS 12-17=-471/0, 10-19=0/424, 11-18=-472/0, 9-21=-583/0, 4-27=-361/0, 3-27=0/313,
3-28=-646/0, 2-28=0/676, 2-29=-707/0, 5-24=-461/0, 6-24=0/424, 6-22=-732/0,
8-22=0/754, 8-21=-828/0, 10-20=-1370/0, 9-20=0/1019, 11-17=0/1055, 12-16=-1046/0,
13-16=0/977, 13-15=-1207/0

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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-29=-8, 1-14=-80
Concentrated Loads (lb)
Vert: 12=-640



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F118	Floor	12	1	
					Job Reference (optional) # 59822

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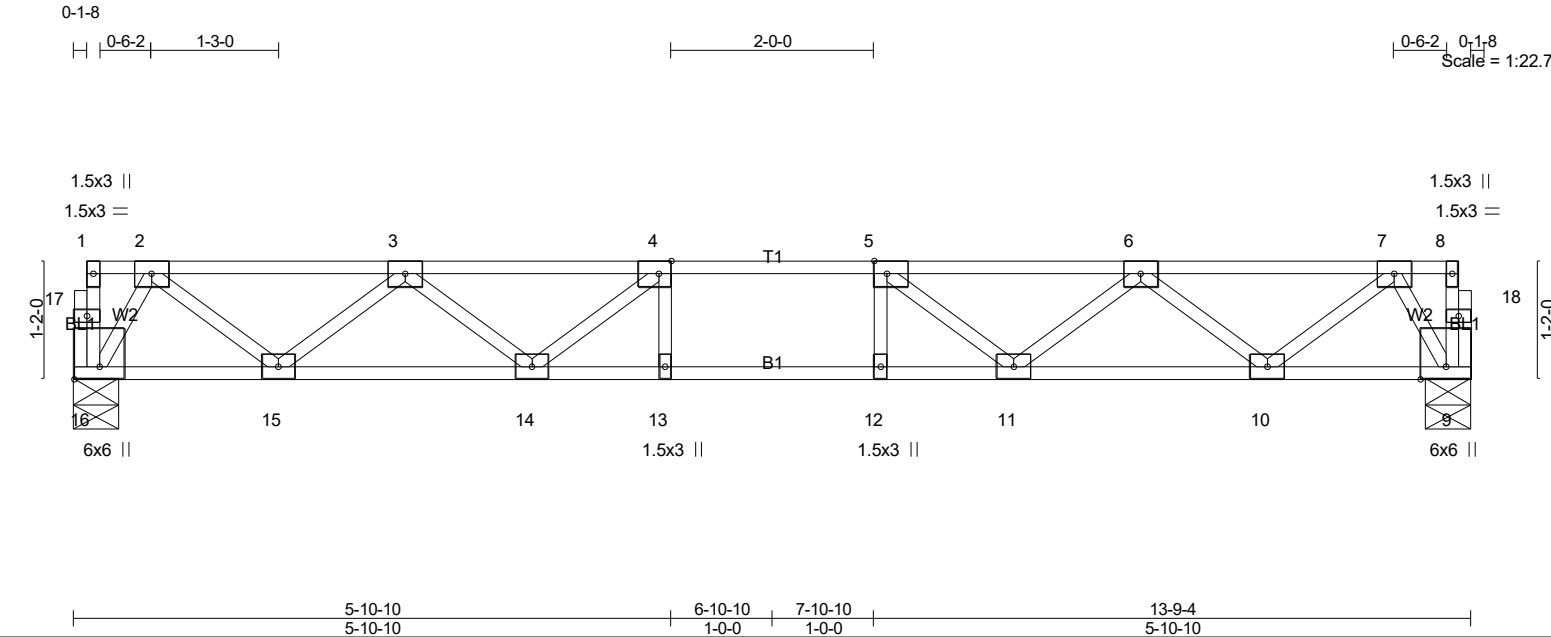


Plate Offsets (X,Y)--		[4:0-1-8,Edge], [5:0-1-8,Edge], [16:Edge,0-3-0]	
LOADING (psf)	SPACING-	1-7-3	CSI.
TCLL 40.0	Plate Grip DOL	1.00	TC 0.26
TCDL 10.0	Lumber DOL	1.00	BC 0.52
BCLL 0.0	Rep Stress Incr	YES	WB 0.33
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
		DEFL.	in (loc) l/defl L/d
		Vert(LL)	-0.09 13-14 >999 480
		Vert(CT)	-0.12 13-14 >999 360
		Horz(CT)	0.03 9 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 70 lb	FT = 20%F, 11%E

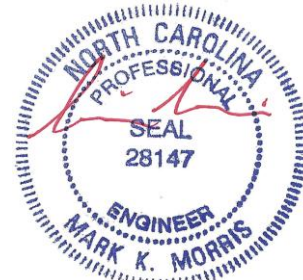
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 16=590/0-5-6 (min. 0-1-8), 9=590/0-5-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-903/0, 3-4=-1662/0, 4-5=-1907/0, 5-6=-1662/0, 6-7=-903/0
BOT CHORD 15-16=0/373, 14-15=0/1410, 13-14=0/1907, 12-13=0/1907, 11-12=0/1907, 10-11=0/1409, 9-10=0/372
WEBS 4-14=-428/0, 3-14=0/355, 3-15=-660/0, 2-15=0/690, 2-16=-719/0, 5-11=-428/0, 6-11=0/355, 6-10=-660/0, 7-10=0/690, 7-9=-719/0

- NOTES- (4-5)
- 1) Unbalanced floor live loads have been considered for this design.
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0011 HONEYCUTT HILLS 221 SHELBY MEADOW LANE ANGIER, NC
25-3822-F01	F119	Floor Supported Gable	1	1	
					Job Reference (optional) # 59822

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0-1-8

0-1-8

Scale = 1:22.2

