

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 #: 53229

JOB: 24-8460-F02

JOB NAME: LOT 0.0024 HONEYCUTT HILLS

Wind Code: N/A

Wind Speed: Vult= N/A

Exposure Category: N/A

Mean Roof Height (feet): N/A

These truss designs comply with IRC 2018 as well as IRC 2021.

16 Truss Design(s)

Trusses:

F201, F202, F203, F204, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216,



10/9/2024

Mark Morris

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Job 24-8460-F02	Truss F201	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC Job Reference (optional) # 53229
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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 11:34:20 2024 Page 1
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0-1-8

Scale = 1:28.7

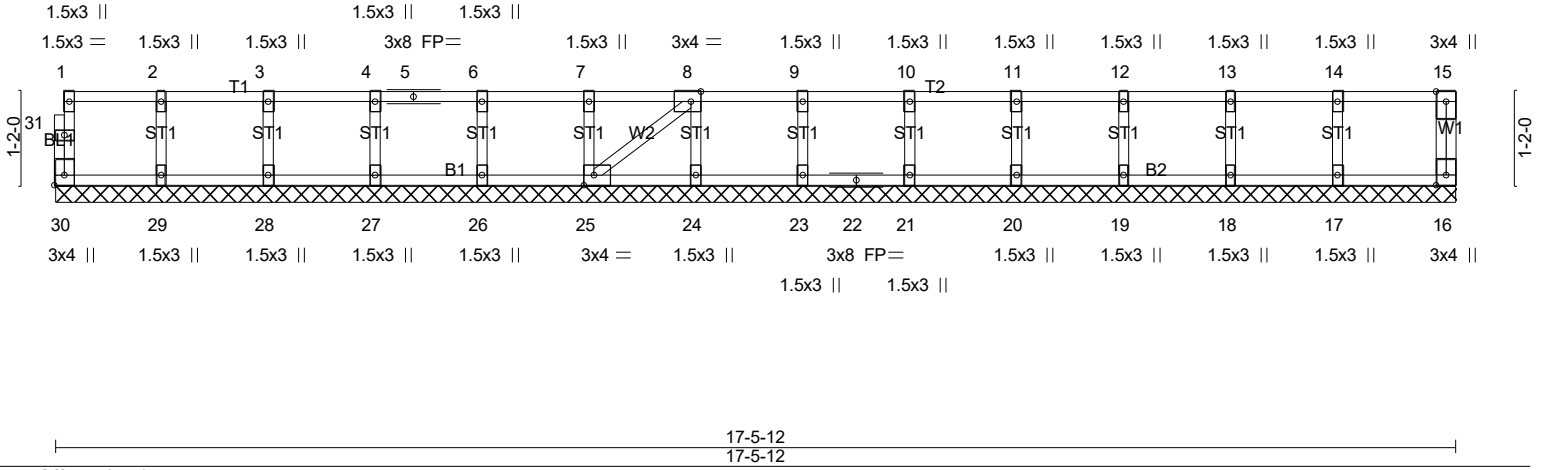


Plate Offsets (X,Y)-- [8:0-1-8,Edge], [25:0-1-8,Edge], [30:Edge,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.07	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 16 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 76 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 17-5-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 21, 20, 19, 18, 17

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

- NOTES-** (6)
- 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.

LOAD CASE(S) Standard



10/9/2024

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Job 24-8460-F02	Truss F202	Truss Type Floor	Qty 6	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC	Job Reference (optional) # 53229
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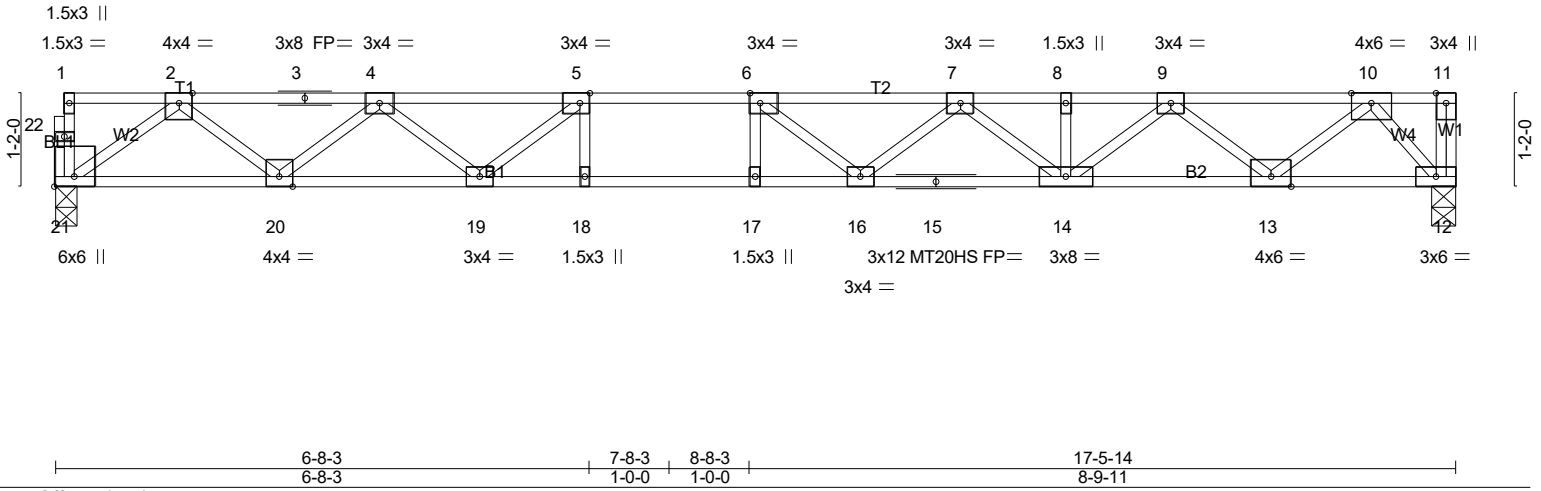


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [21:Edge,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.64	Vert(LL)	-0.30 16-17	>697	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.79	Vert(CT)	-0.41 16-17	>507	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.53	Horz(CT)	0.06 12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 88 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat) *Except* B2: 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) 21=942/0-3-6 (min. 0-1-8), 12=948/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2028/0, 3-4=-2028/0, 4-5=-3259/0, 5-6=-3830/0, 6-7=-3780/0, 7-8=-3111/0, 8-9=-3111/0, 9-10=-1700/0
 BOT CHORD 20-21=0/1226, 19-20=0/2785, 18-19=0/3830, 17-18=0/3830, 16-17=0/3830, 15-16=0/3619, 14-15=0/3619, 13-14=0/2529,
 12-13=0/837
 WEBS 5-18=-65/292, 6-17=-260/97, 5-19=-879/0, 4-19=0/650, 4-20=-986/0, 2-20=0/1044, 2-21=-1514/0, 6-16=-424/231,
 7-16=0/374, 7-14=-648/0, 9-14=0/744, 9-13=-1079/0, 10-13=0/1122, 10-12=-1256/0

- NOTES-** (5)
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates 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.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

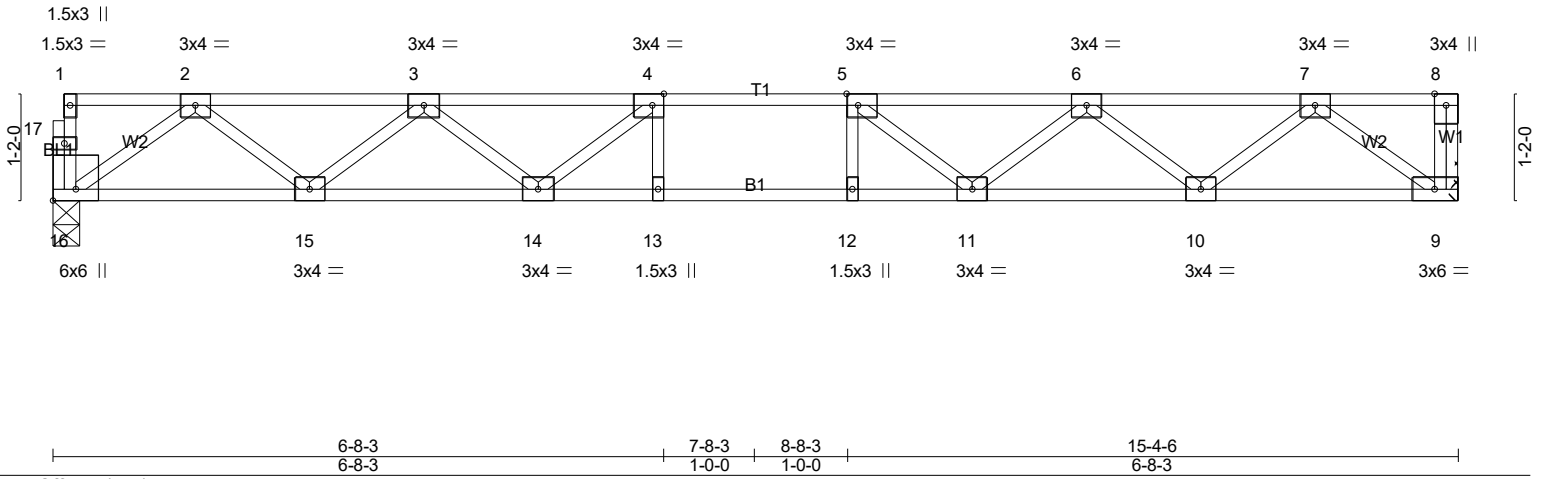
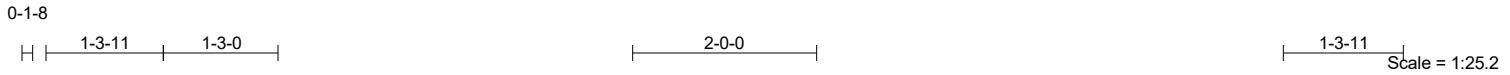


10/9/2024

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Job 24-8460-F02	Truss F203	Truss Type FLOOR	Qty 5	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC Job Reference (optional) # 53229
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LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.24	Vert(LL)	-0.11 11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.51	Vert(CT)	-0.15 12-13	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.28	Horz(CT)	0.03 9	n/a	n/a		
BCDL 5.0	Code IRC2018/TPI2014		Matrix-SH						
								Weight: 77 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 16=550/0-3-8 (min. 0-1-8), 9=554/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1153/0, 3-4=-1785/0, 4-5=-1990/0, 5-6=-1785/0, 6-7=-1154/0
BOT CHORD 15-16=0/707, 14-15=0/1576, 13-14=0/1990, 12-13=0/1990, 11-12=0/1990, 10-11=0/1576, 9-10=0/708
WEBS 4-14=-387/0, 3-14=0/314, 3-15=-550/0, 2-15=0/580, 2-16=-873/0, 5-11=-387/0, 6-11=0/314, 6-10=-550/0, 7-10=0/580, 7-9=-875/0

- NOTES-** (6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

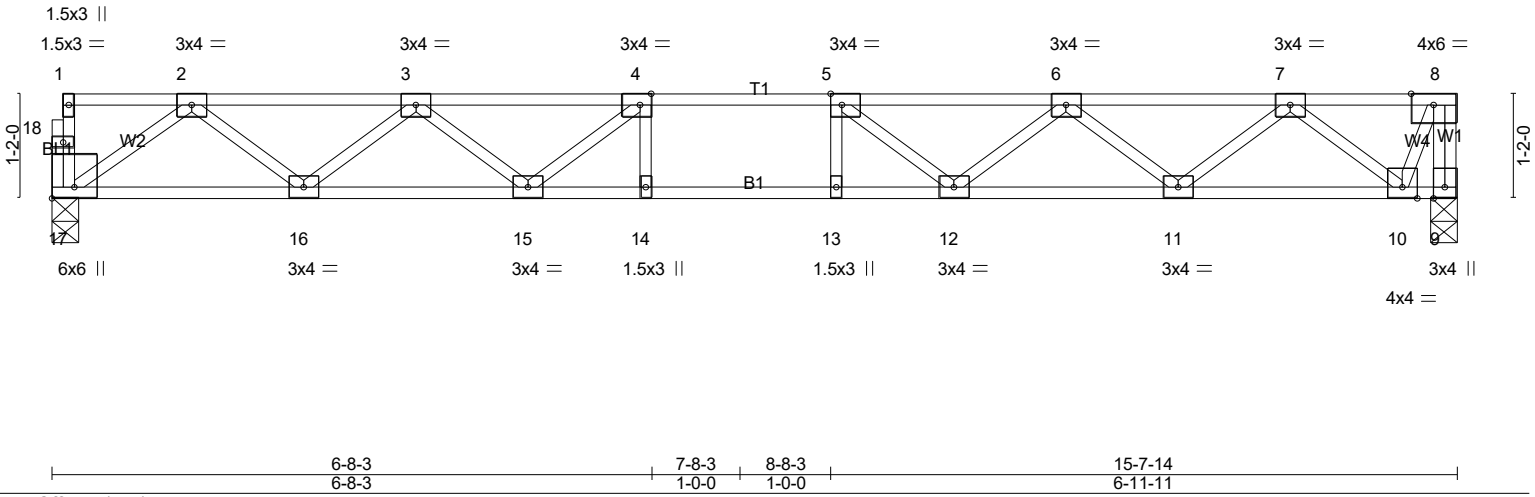
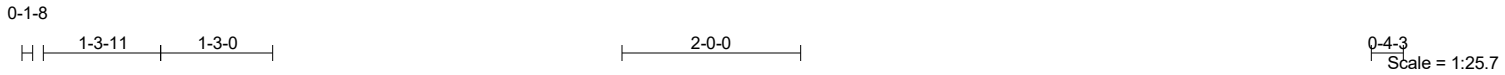


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Job 24-8460-F02	Truss F204	Truss Type Floor	Qty 5	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC Job Reference (optional) # 53229
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	1-4-0	TC 0.26	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.56	Vert(LL) -0.12 12-13 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.28	Vert(CT) -0.16 12-13 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.03 9 n/a n/a		
	Code IRC2018/TPI2014			Weight: 79 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 9=565/0-3-8 (min. 0-1-8), 17=561/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-566/0, 2-3=-1181/0, 3-4=-1839/0, 4-5=-2067/0, 5-6=-1886/0, 6-7=-1281/0
BOT CHORD 16-17=0/723, 15-16=0/1614, 14-15=0/2067, 13-14=0/2067, 12-13=0/2067, 11-12=0/1691, 10-11=0/851
WEBS 4-15=-413/0, 3-15=0/330, 3-16=-565/0, 2-16=0/596, 2-17=-891/0, 5-12=-371/0, 6-12=0/305, 6-11=-533/0, 7-11=0/559, 7-10=-798/0, 8-10=0/576

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

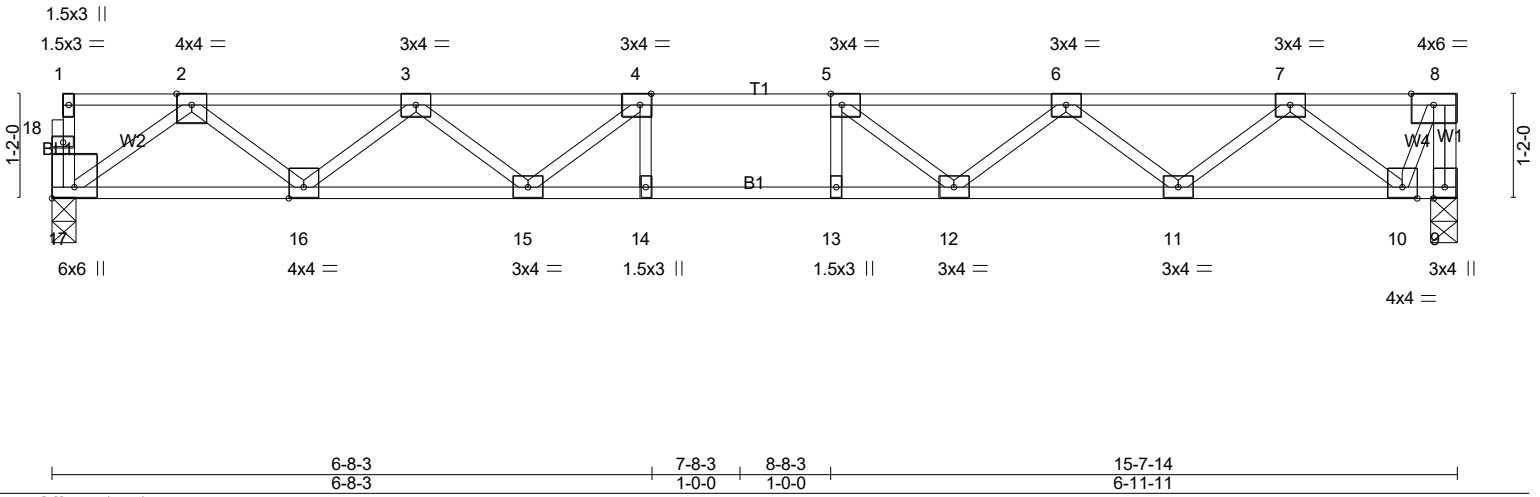
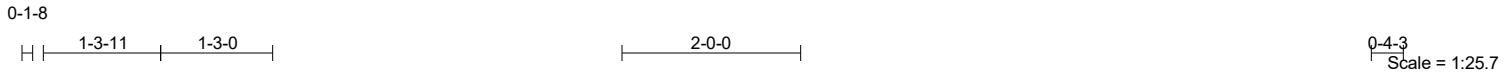


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Job 24-8460-F02	Truss F206	Truss Type Floor	Qty 6	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC	# 53229
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.83	Vert(LL) -0.18 12-13 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.43	Vert(CT) -0.24 12-13 >772 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.05 9 n/a n/a		
	Code IRC2021/TPI2014			Weight: 79 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 9=847/0-3-8 (min. 0-1-8), 17=841/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-849/0, 2-3=-1771/0, 3-4=-2758/0, 4-5=-3101/0, 5-6=-2829/0, 6-7=-1921/0, 7-8=-358/0
BOT CHORD 16-17=0/1084, 15-16=0/2422, 14-15=0/3101, 13-14=0/3101, 12-13=0/3101, 11-12=0/2536, 10-11=0/1277
WEBS 4-15=-620/0, 3-15=0/496, 3-16=-847/0, 2-16=0/894, 2-17=-1337/0, 5-12=-556/0, 6-12=0/457, 6-11=-800/0, 7-11=0/839, 7-10=-1197/0, 8-10=0/864

NOTES- (4)
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.

LOAD CASE(S) Standard



10/9/2024

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Job 24-8460-F02	Truss F207	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC Job Reference (optional) # 53229
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0-1-8

Scale = 1:25.7

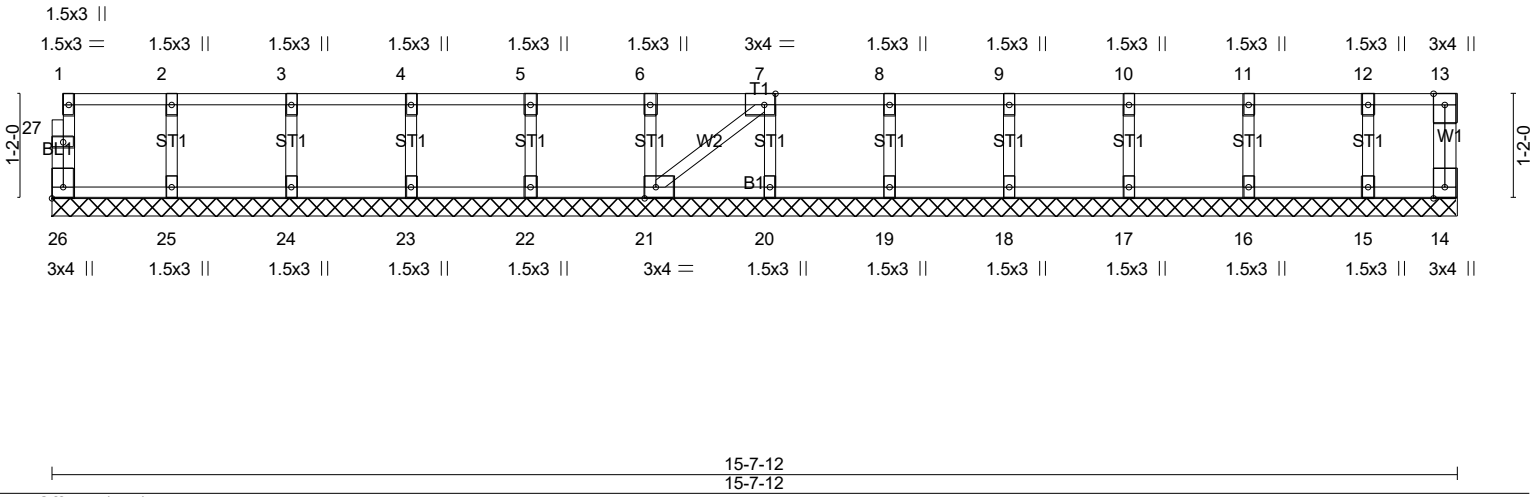


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [21:0-1-8,Edge], [26:Edge,0-1-8]	
LOADING (psf)	SPACING- 2-0-0
TCLL 40.0	Plate Grip DOL 1.00
TCDL 10.0	Lumber DOL 1.00
BCLL 0.0	Rep Stress Incr YES
BCDL 5.0	Code IRC2021/TPI2014
CSI.	DEFL. in (loc) l/defl L/d
TC 0.06	Vert(LL) n/a - n/a 999
BC 0.01	Vert(CT) n/a - n/a 999
WB 0.03	Horz(CT) 0.00 14 n/a n/a
Matrix-SH	
PLATES	GRIP
MT20	244/190
Weight: 69 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 15-7-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

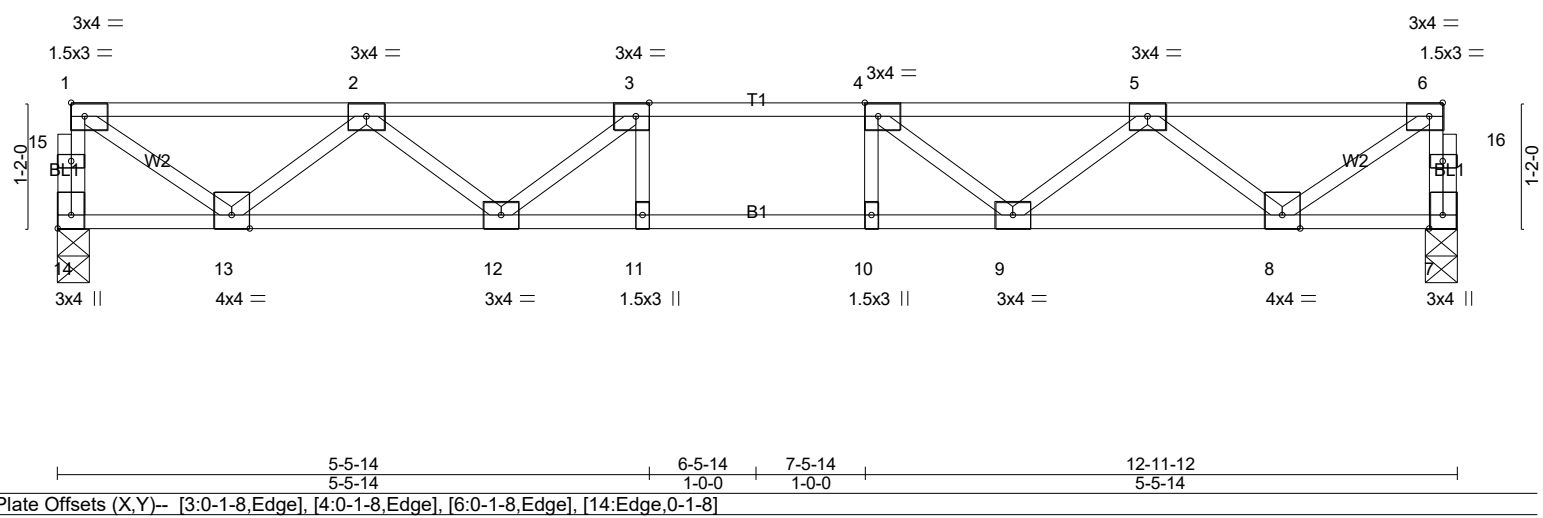
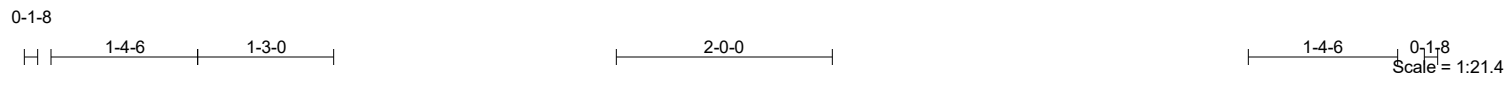
- NOTES-** (6)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (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.

LOAD CASE(S) Standard



10/9/2024

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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 0.32	Vert(LL) -0.10	11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00		BC 0.58	Vert(CT) -0.13	9-10	>999	360		
BCLL 0.0	Rep Stress Incr YES		WB 0.47	Horz(CT) 0.03	7	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 65 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 14=694/0-3-6 (min. 0-1-8), 7=694/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-688/0, 1-15=-687/0, 7-16=-688/0, 6-16=-687/0, 1-2=-836/0, 2-3=-1812/0, 3-4=-2109/0, 4-5=-1812/0, 5-6=-836/0
BOT CHORD 12-13=0/1506, 11-12=0/2109, 10-11=0/2109, 9-10=0/2109, 8-9=0/1506
WEBS 3-12=-507/0, 2-12=0/427, 2-13=-872/0, 1-13=0/984, 4-9=-507/0, 5-9=0/427, 5-8=-872/0, 6-8=0/984

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

LOAD CASE(S) Standard

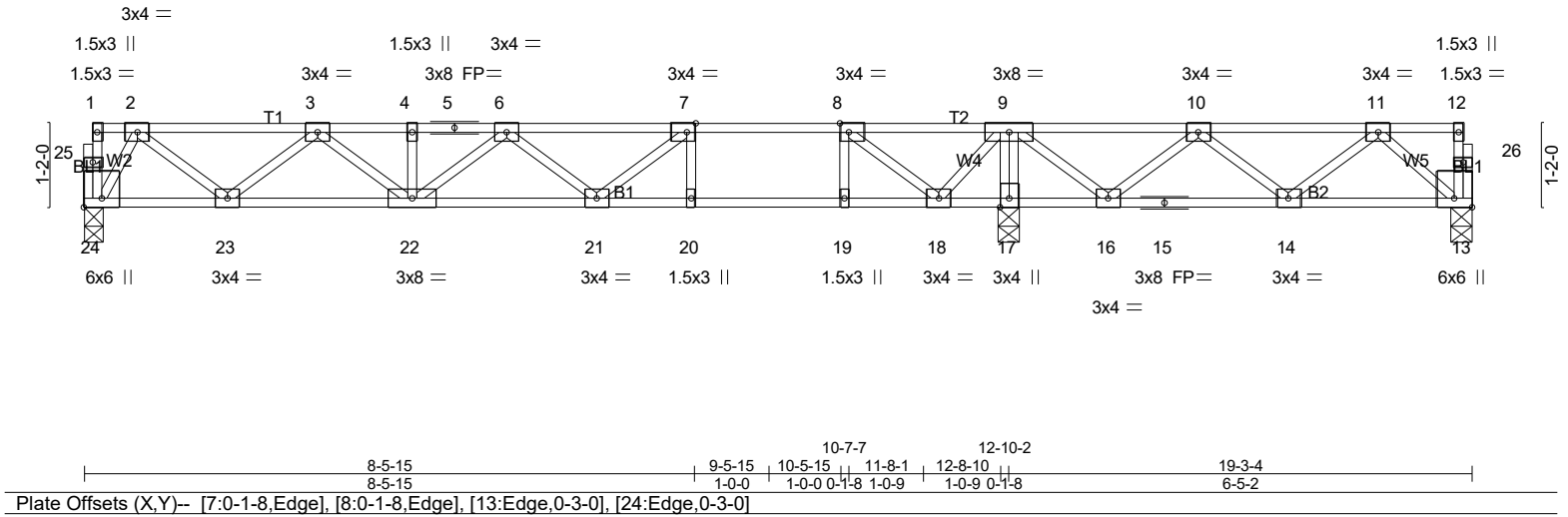
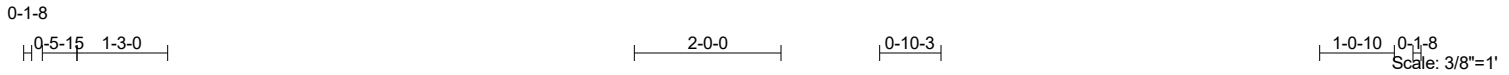


10/9/2024

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Job 24-8460-F02	Truss F210	Truss Type Floor	Qty 2	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC	# 53229
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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 11:34:27 2024 Page 1
ID:pMqJz?gO_6c5LWISfIGO4QyyWk-lovTf3MN6gW3QBM5BDZTRcmRikaeglkVLMscDBYUrHw



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.83	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.88	Vert(LL) -0.25 20-21 >612 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.38	Vert(CT) -0.34 20-21 >451 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.03 13 n/a n/a		
	Code IRC2021/TPI2014				Weight: 100 lb FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18,16-17.

REACTIONS. (lb/size) 24=697/0-3-6 (min. 0-1-8), 17=1035/0-3-8 (min. 0-1-8), 13=348/0-3-6 (min. 0-1-8)
Max Grav 24=703(LC 3), 17=1035(LC 1), 13=376(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1058/0, 3-4=-1954/0, 4-5=-1954/0, 5-6=-1954/0, 6-7=-2133/0, 7-8=-1724/0,
8-9=-668/0, 9-10=-476/0, 10-11=-559/0
BOT CHORD 23-24=0/442, 22-23=0/1639, 21-22=0/2254, 20-21=0/1724, 19-20=0/1724, 18-19=0/1724,
15-16=0/698, 14-15=0/698, 13-14=0/384
WEBS 7-20=-399/0, 8-19=0/456, 9-17=-914/0, 7-21=0/562, 6-22=-383/0, 3-22=0/402,
3-23=-756/0, 2-23=0/803, 2-24=-870/0, 8-18=-1360/0, 9-18=0/775, 9-16=0/408,
10-16=-376/0, 11-13=-511/0

NOTES- (4)
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.

LOAD CASE(S) Standard



10/9/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC
24-8460-F02	F211	Floor	5	1	
					# 53229

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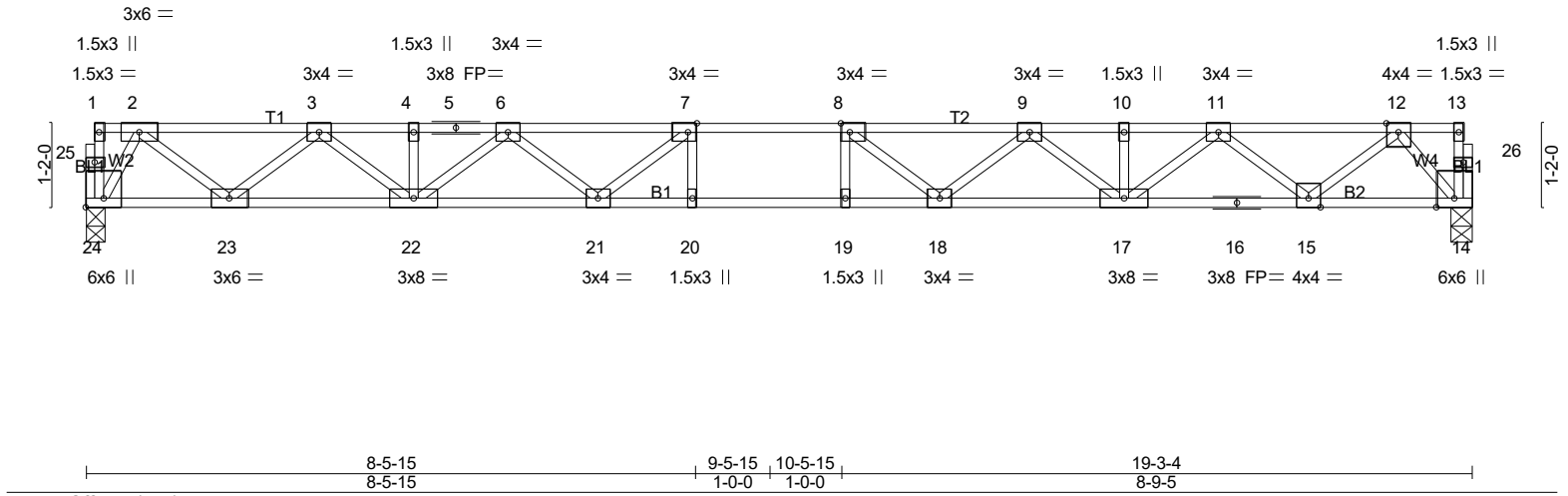
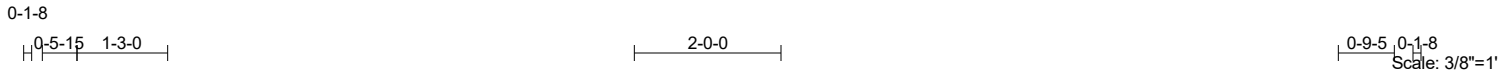


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge,0-3-0]					
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.46	Vert(LL) -0.31 19-20 >747 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.92	Vert(CT) -0.42 19-20 >542 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.07 14 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 98 lb	FT = 20%F, 11%E

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 19-20.

REACTIONS. (lb/size) 24=831/0-3-6 (min. 0-1-8), 14=831/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1325/0, 3-4=-2720/0, 4-5=-2720/0, 5-6=-2720/0, 6-7=-3509/0, 7-8=-3788/0, 8-9=-3565/0, 9-10=-2835/0, 10-11=-2835/0, 11-12=-1502/0
 BOT CHORD 23-24=0/513, 22-23=0/2114, 21-22=0/3233, 20-21=0/3788, 19-20=0/3788, 18-19=0/3788, 17-18=0/3324, 16-17=0/2263, 15-16=0/2263, 14-15=0/717
 WEBS 7-21=-579/9, 6-21=0/454, 6-22=-656/0, 3-22=0/773, 3-23=-1028/0, 2-23=0/1057, 2-24=-1008/0, 8-18=-531/57, 9-18=0/423, 9-17=-624/0, 11-17=0/730, 11-15=-990/0, 12-15=0/1022, 12-14=-1096/0

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

LOAD CASE(S) Standard



10/9/2024

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Job 24-8460-F02	Truss F212	Truss Type Floor	Qty 5	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC
					# 53229

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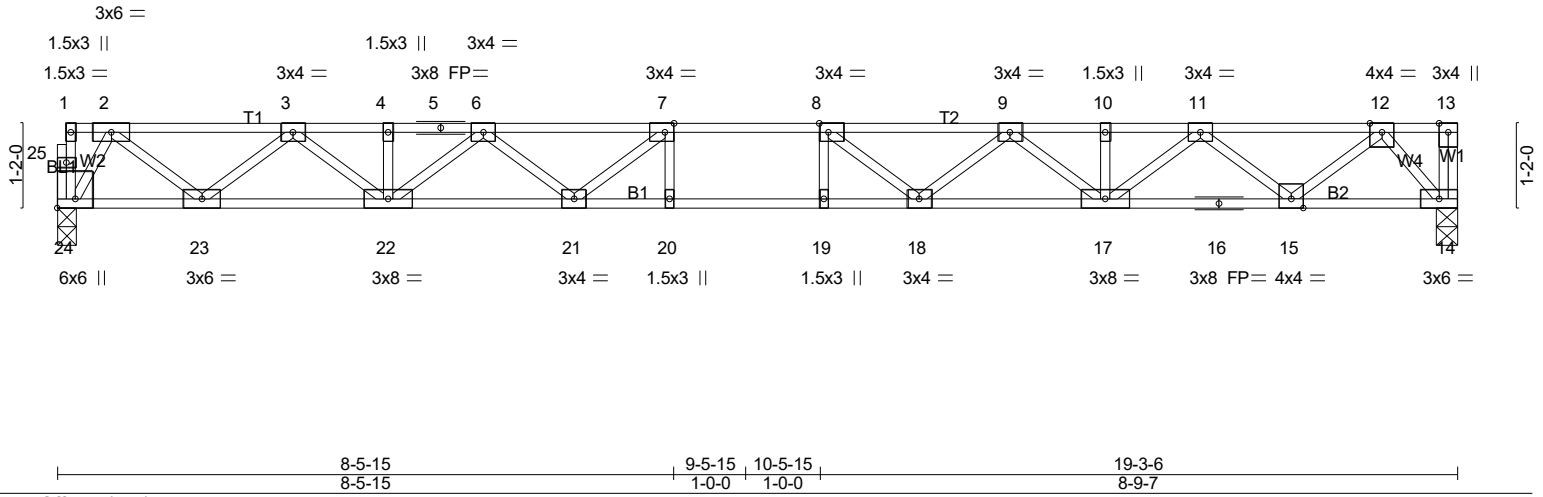
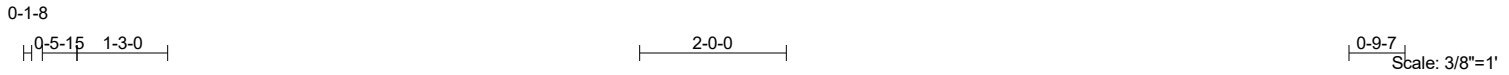


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge,0-3-0]					
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.46	Vert(LL) -0.31 19-20 >745 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.92	Vert(CT) -0.42 19-20 >541 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.07 14 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 99 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 19-20.

REACTIONS. (lb/size) 24=832/0-3-6 (min. 0-1-8), 14=837/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1326/0, 3-4=-2722/0, 4-5=-2722/0, 5-6=-2722/0, 6-7=-3512/0, 7-8=-3792/0, 8-9=-3570/0, 9-10=-2841/0, 10-11=-2841/0, 11-12=-1510/0
BOT CHORD 23-24=0/513, 22-23=0/2116, 21-22=0/3236, 20-21=0/3792, 19-20=0/3792, 18-19=0/3792, 17-18=0/3330, 16-17=0/2270, 15-16=0/2270, 14-15=0/725
WEBS 7-21=-581/9, 6-21=0/455, 6-22=-656/0, 3-22=0/774, 3-23=-1028/0, 2-23=0/1058, 2-24=-1008/0, 8-18=-531/59, 9-18=0/423, 9-17=-624/0, 11-17=0/730, 11-15=-989/0, 12-15=0/1022, 12-14=-1101/0

NOTES- (4)
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.

LOAD CASE(S) Standard



10/9/2024

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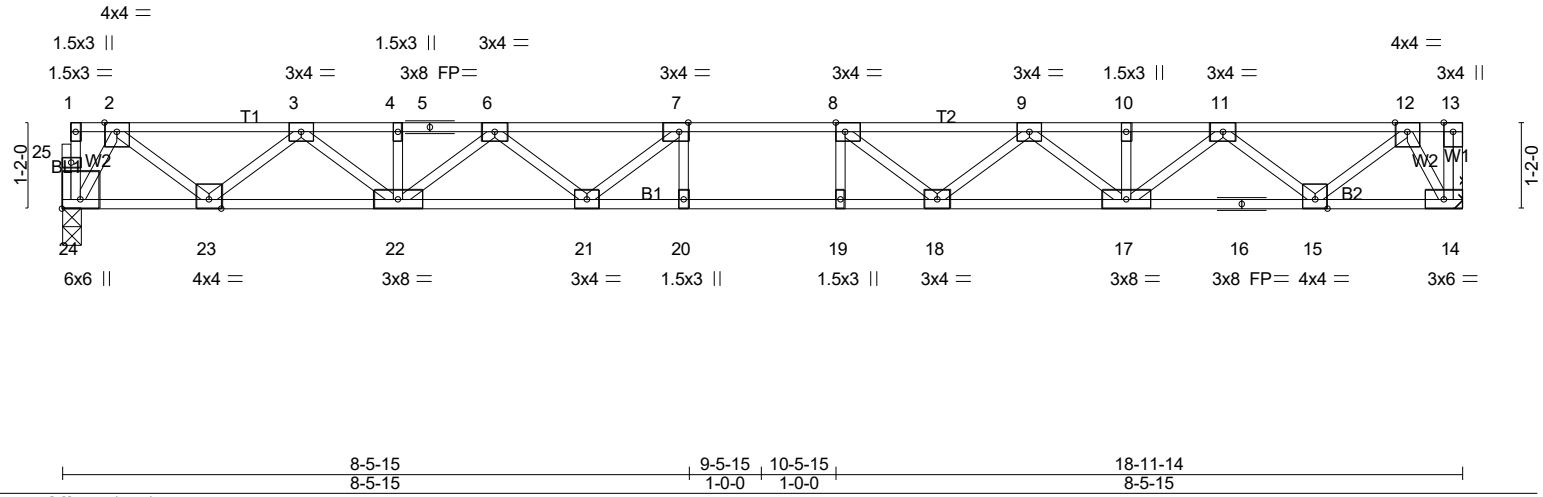
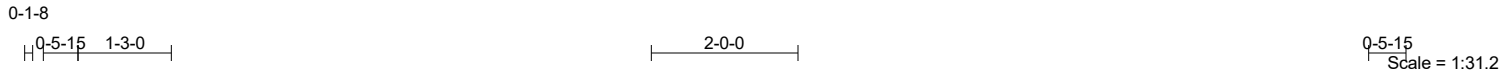


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge,0-3-0]	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014
CSI. TC 0.43 BC 0.87 WB 0.49 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) -0.29 19-20 >785 480 Vert(CT) -0.40 19-20 >569 360 Horz(CT) 0.07 14 n/a n/a
PLATES MT20 GRIP 244/190 Weight: 98 lb FT = 20%F, 11%E	

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

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

REACTIONS. (lb/size) 24=819/0-3-6 (min. 0-1-8), 14=824/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1303/0, 3-4=-2667/0, 4-5=-2667/0, 5-6=-2667/0, 6-7=-3426/0, 7-8=-3678/0, 8-9=-3426/0, 9-10=-2667/0, 10-11=-2667/0, 11-12=-1303/0
BOT CHORD 23-24=0/505, 22-23=0/2077, 21-22=0/3168, 20-21=0/3678, 19-20=0/3678, 18-19=0/3678, 17-18=0/3168, 16-17=0/2077, 15-16=0/2077, 14-15=0/506
WEBS 7-21=-549/27, 6-21=0/434, 6-22=-640/0, 3-22=0/753, 3-23=-1008/0, 2-23=0/1038, 2-24=-994/0, 8-18=-549/27, 9-18=0/434, 9-17=-640/0, 11-17=0/752, 11-15=-1008/0, 12-15=0/1038, 12-14=-989/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



10/9/2024

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Job 24-8460-F02	Truss F214	Truss Type FLOOR	Qty 1	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC	# 53229
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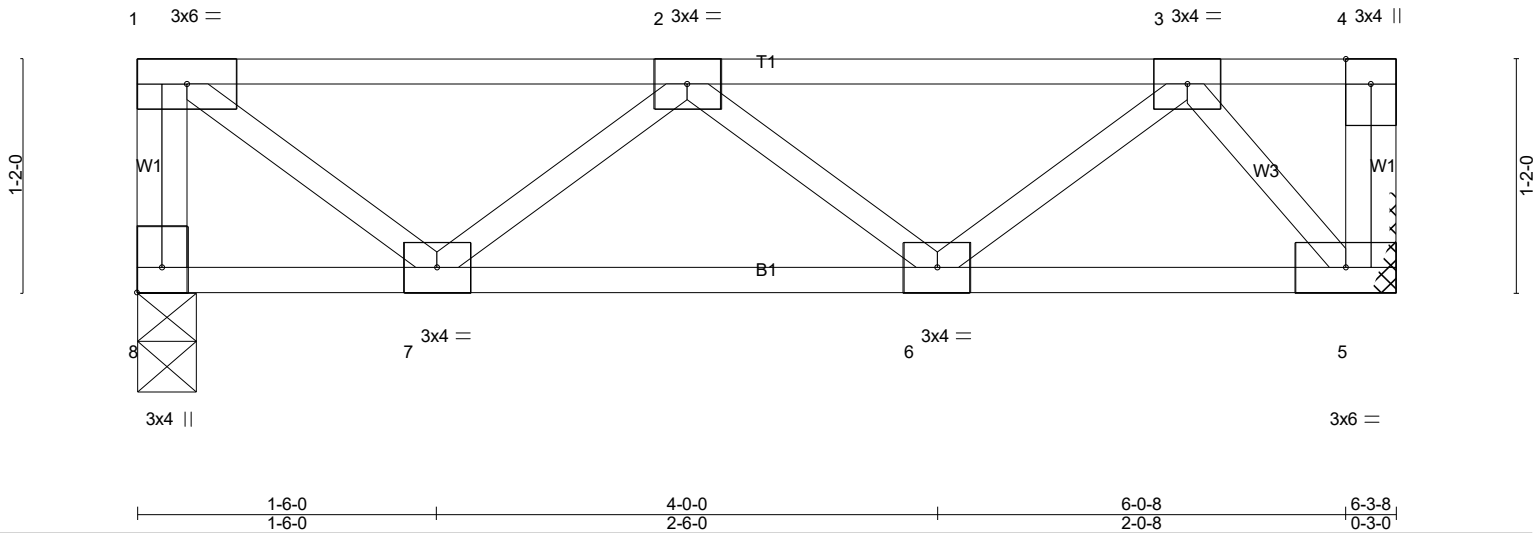


Plate Offsets (X,Y)-- [8:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.28	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.12	Vert(CT)	-0.01	6-7	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.18	Horz(CT)	0.00	5	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P						Weight: 35 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 8=332/0-3-8 (min. 0-1-8), 5=332/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-327/0, 1-2=-295/0, 2-3=-422/0
BOT CHORD 6-7=0/538, 5-6=0/275
WEBS 1-7=0/370, 2-7=-317/0, 3-5=-416/0

NOTES- (3)
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

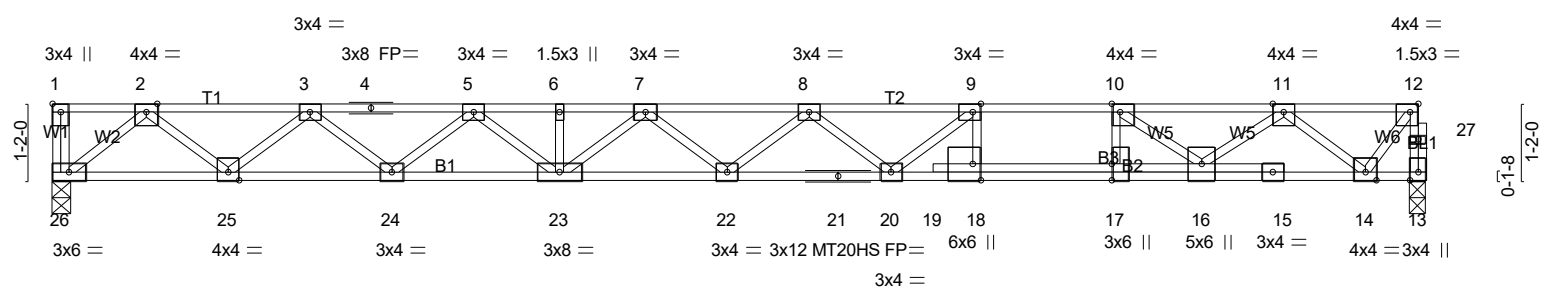


10/9/2024

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Scale = 1:35.2



	14-2-3	15-2-3	16-2-3	20-11-14
	14-2-3	1-0-0	1-0-0	4-9-11
Plate Offsets (X,Y)--	[1:Edge,0-1-8],	[9:0-1-8,Edge],	[10:0-1-8,Edge],	[12:0-1-8,Edge], [17:0-3-0,0-0-0], [18:0-3-0,Edge]

LOADING (psf)	SPACING-	1-6-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.64	Vert(LL)	-0.43	22	>575	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 1.00	Vert(CT)	-0.60	22	>418	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.08	13	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 113 lb	FT = 20%F, 11%E

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-7-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 18-20.

REACTIONS. (lb/size) 26=856/0-3-8 (min. 0-1-8), 13=851/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 13-27=-853/0, 12-27=-851/0, 2-3=-1815/0, 3-4=-3107/0, 4-5=-3107/0, 5-6=-3947/0, 6-7=-3947/0, 7-8=-4218/0, 8-9=-4008/0, 9-10=-3550/0, 10-11=-2316/0, 11-12=-615/0
 BOT CHORD 25-26=0/1025, 24-25=0/2580, 23-24=0/3613, 22-23=0/4175, 21-22=0/4253, 20-21=0/4253, 19-20=0/3550, 18-19=0/3522, 17-18=0/3550, 16-17=0/3550, 15-16=0/1537, 14-15=0/1538
 WEBS 9-18=-545/0, 10-17=0/736, 9-20=-24/716, 8-20=-363/31, 7-23=-292/0, 5-23=0/426, 5-24=-659/0, 3-24=0/685, 3-25=-996/0, 2-25=0/1028, 2-26=-1311/0, 10-16=-1540/0, 11-16=0/987, 11-14=-1202/0, 12-14=0/969

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

LOAD CASE(S) Standard



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Job 24-8460-F02	Truss F216	Truss Type FLOOR SUPPORTED GABL	Qty 1	Ply 1	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC	# 53229
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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 11:34:33 2024 Page 1
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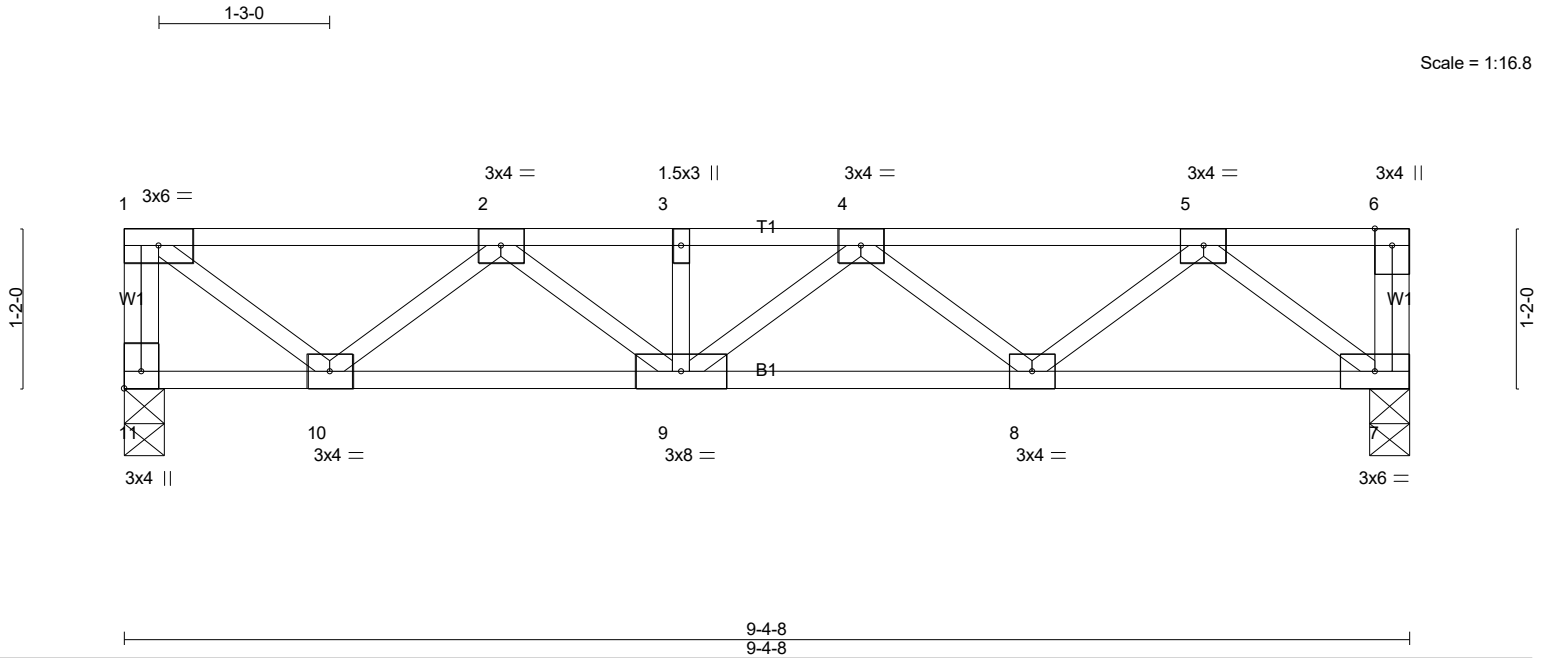


Plate Offsets (X,Y)-- [11:Edge,0-1-8]

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 0.32	Vert(LL)	-0.02	9	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.24	Vert(CT)	-0.03	8-9	>999	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.31	Horz(CT)	0.01	7	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 51 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

REACTIONS. (lb/size) 11=502/0-3-8 (min. 0-1-8), 7=502/0-3-8 (min. 0-1-8)
Max Uplift 11=-56(LC 6), 7=-56(LC 7)
Max Grav 11=528(LC 3), 7=528(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-523/60, 1-2=-562/78, 2-3=-1072/0, 3-4=-1072/0, 4-5=-870/6
BOT CHORD 9-10=-14/954, 8-9=0/1109, 7-8=-75/627
WEBS 1-10=-121/723, 2-10=-648/149, 2-9=-206/315, 4-9=-253/254, 4-8=-434/199, 5-8=-153/479, 5-7=-804/118

- NOTES-** (5)
- Unbalanced floor live loads have been considered for this design.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 11 and 56 lb uplift at joint 7.
 - This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 9-4-8 for 150.0 plf.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



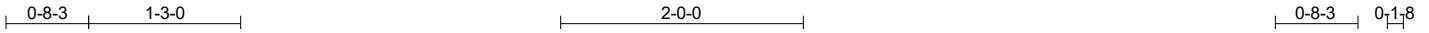
10/9/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 HONEYCUTT HILLS 397 ADAMS POINTE COURT ANGIER, NC
24-8460-F02	F217	Floor	3	1	

Job Reference (optional) # 53229

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Oct 10 11:34:34 2024 Page 1
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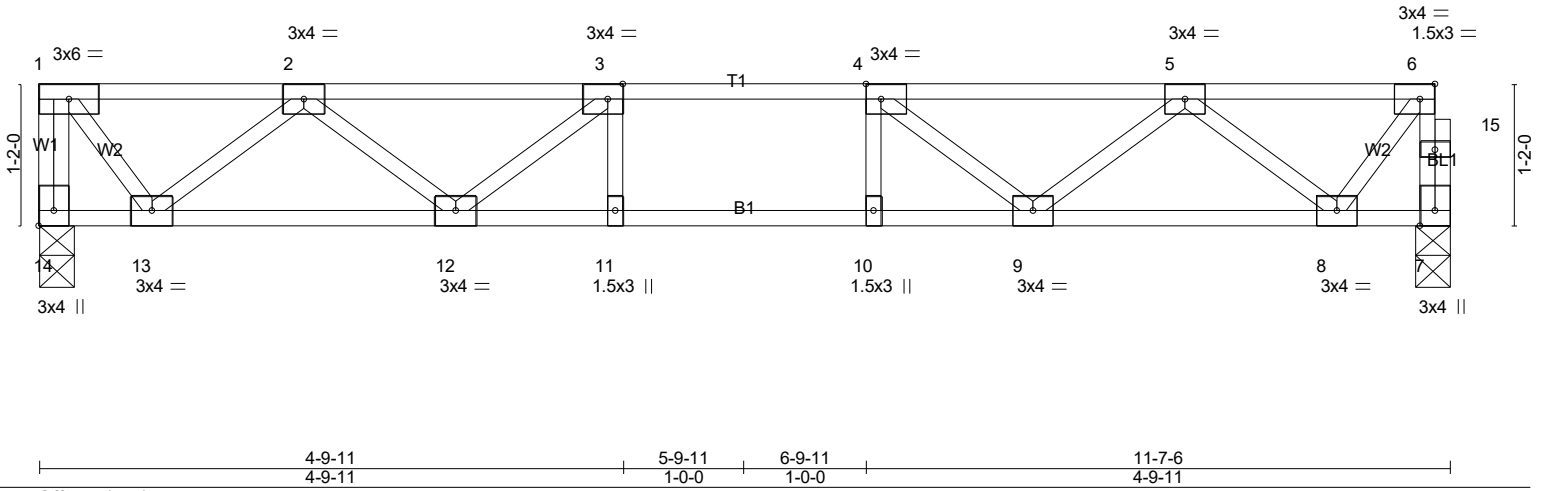


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.26	Vert(LL) -0.08 9-10 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.50	Vert(CT) -0.09 9-10 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.33	Horz(CT) 0.02 7 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 60 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=625/0-3-8 (min. 0-1-8), 7=619/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-624/0, 7-15=-619/0, 6-15=-618/0, 1-2=-424/0, 2-3=-1373/0, 3-4=-1681/0, 4-5=-1373/0, 5-6=-426/0
 BOT CHORD 12-13=0/1056, 11-12=0/1681, 10-11=0/1681, 9-10=0/1681, 8-9=0/1055
 WEBS 3-12=-476/0, 2-12=0/413, 2-13=-822/0, 1-13=0/693, 4-9=-476/0, 5-9=0/414, 5-8=-818/0, 6-8=0/669

- NOTES-** (4)
 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.

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