

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 #: 43924

JOB: 23-B565-F02

JOB NAME: LOT 0.0004 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.

18 Truss Design(s)

Trusses:

F201, F202, F203, F205, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219



1/4/2024

Mark Morris

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F201	Floor Supported Gable	1	1	
					# 43924

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jan 7 14:46:31 2024 Page 1
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0-1-8

0-3-4

Scale = 1:26.5

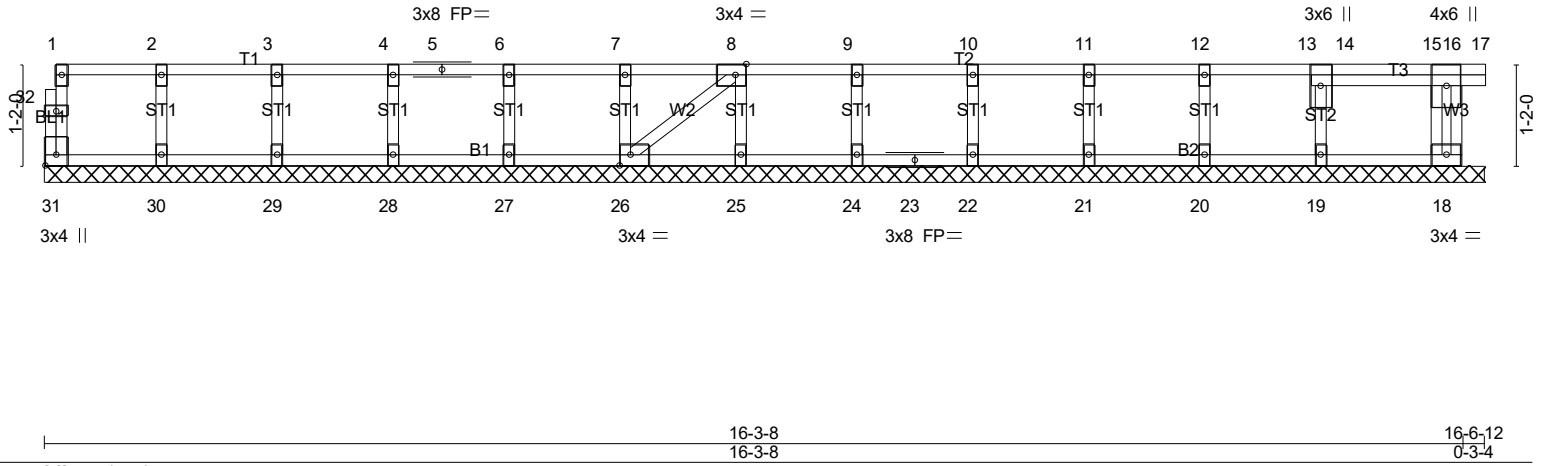


Plate Offsets (X,Y)-- [8:0-1-8,Edge], [26:0-1-8,Edge], [31:Edge,0-1-8]

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)	0.00	16	n/r	180	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	0.00	16	n/r	80		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	18	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 74 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 16-6-12.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 31, 18, 30, 29, 28, 27, 26, 25, 24, 22, 21, 20, 19

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

- NOTES-** (7-8)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 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



1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F202	Floor	14	1	
					# 43924

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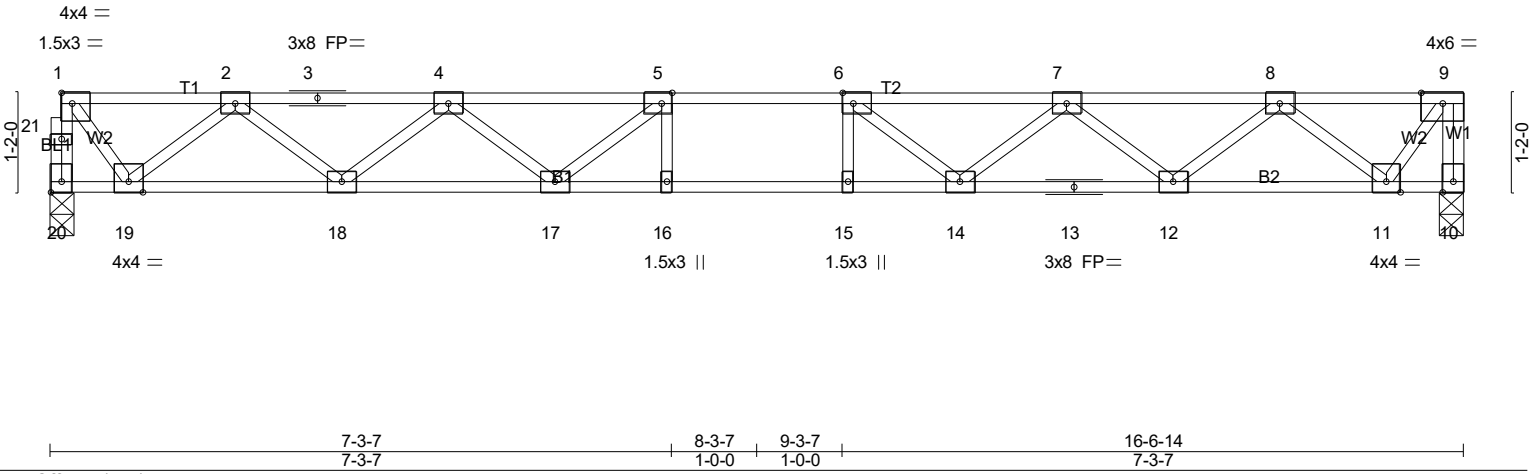
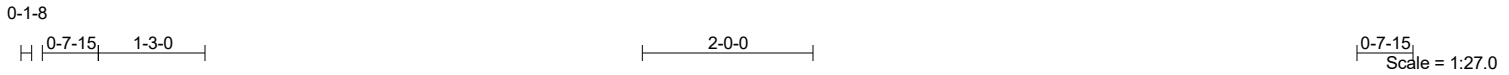


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [20:Edge,0-1-8]	
LOADING (psf)	SPACING- 1-7-3
TCLL 40.0	Plate Grip DOL 1.00
TCDL 10.0	Lumber DOL 1.00
BCLL 0.0	Rep Stress Incr YES
BCDL 5.0	Code IRC2021/TPI2014
	CSI.
	TC 0.33
	BC 0.70
	WB 0.39
	Matrix-SH
	DEFL. in (loc) l/defl L/d
	Vert(LL) -0.17 15-16 >999 480
	Vert(CT) -0.23 15-16 >842 360
	Horz(CT) 0.04 10 n/a n/a
	PLATES MT20
	GRIP 244/190
	Weight: 83 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) 20=713/0-3-6 (min. 0-1-8), 10=718/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 20-21=-713/0, 1-21=-712/0, 9-10=-716/0, 1-2=-495/0, 2-3=-1784/0, 3-4=-1784/0, 4-5=-2539/0, 5-6=-2786/0, 6-7=-2539/0, 7-8=-1784/0, 8-9=-493/0
 BOT CHORD 18-19=0/1257, 17-18=0/2286, 16-17=0/2786, 15-16=0/2786, 14-15=0/2786, 13-14=0/2286, 12-13=0/2286, 11-12=0/1258
 WEBS 5-17=-491/0, 4-17=0/394, 4-18=-654/0, 2-18=0/686, 2-19=-992/0, 1-19=0/793, 6-14=-491/0, 7-14=0/394, 7-12=-653/0, 8-12=0/685, 8-11=-996/0, 9-11=0/819

- 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



1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F203	Floor	10	1	
					# 43924

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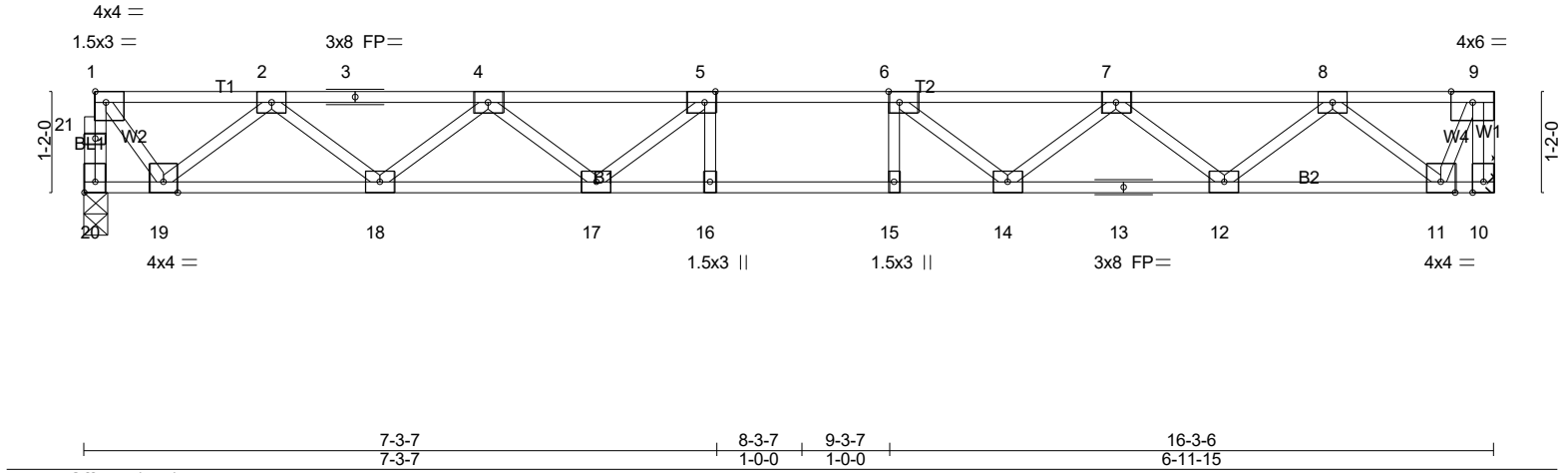
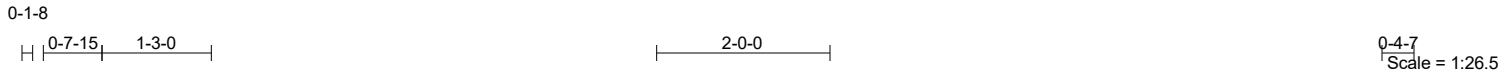


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [20:Edge,0-1-8]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	1-7-3 Plate Grip DOL 1.00	TC 0.34	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.71	Vert(LL) -0.16 16 >999 480		
BCLL 0.0	Rep Stress Incr YES	WB 0.37	Vert(CT) -0.22 15-16 >873 360		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	Horz(CT) 0.04 10 n/a n/a		
				Weight: 82 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) 20=700/0-3-6 (min. 0-1-8), 10=705/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 20-21=-700/0, 1-21=-699/0, 9-10=-706/0, 1-2=-485/0, 2-3=-1744/0, 3-4=-1744/0, 4-5=-2468/0, 5-6=-2686/0, 6-7=-2411/0, 7-8=-1623/0, 8-9=-311/0
 BOT CHORD 18-19=0/1231, 17-18=0/2233, 16-17=0/2686, 15-16=0/2686, 14-15=0/2686, 13-14=0/2141, 12-13=0/2141, 11-12=0/1079
 WEBS 5-17=-459/0, 4-17=0/374, 4-18=-636/0, 2-18=0/667, 2-19=-971/0, 1-19=0/777, 6-14=-509/0, 7-14=0/406, 7-12=-674/0, 8-12=0/709, 8-11=-999/0, 9-11=0/725

- NOTES-** (6-7)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.
 - 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



1/4/2024

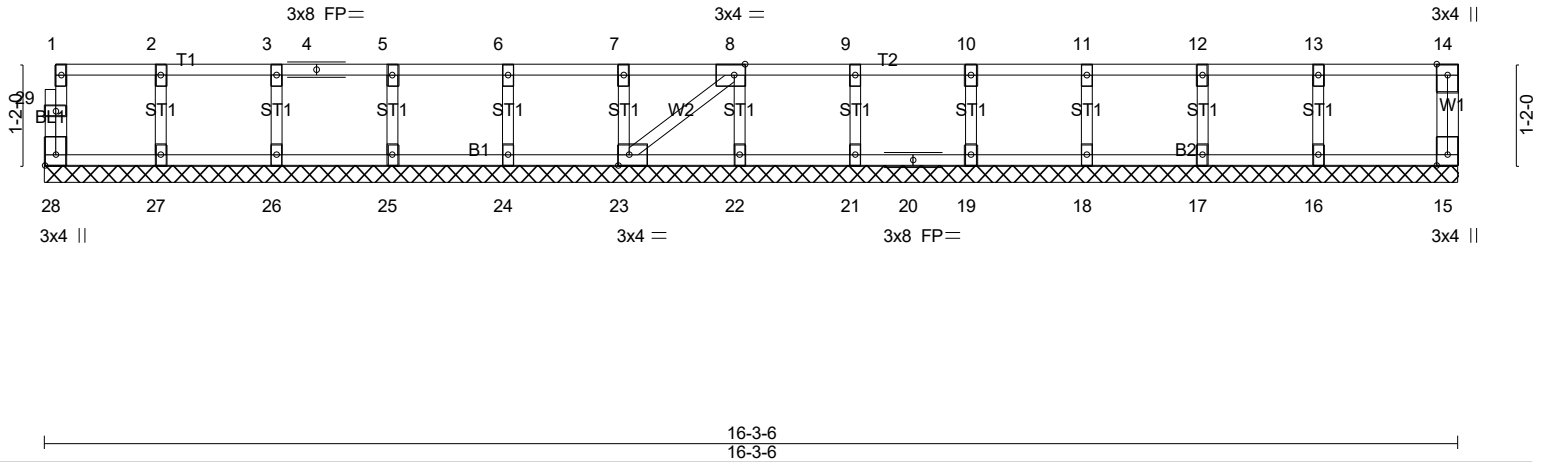
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F205	Floor Supported Gable	1	1	# 43924

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0₁-8

Scale = 1:26.5



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	40.0	2-0-0	Plate Grip DOL	1.00	TC	0.08	in	(loc)	l/defl	L/d	MT20	244/190	
TCDL	10.0	1.00	Lumber DOL	1.00	BC	0.01	Vert(LL)	n/a	-	n/a	999		
BCLL	0.0	YES	Rep Stress Incr	YES	WB	0.04	Vert(CT)	n/a	-	n/a	999		
BCDL	5.0	Code IRC2021/TPI2014	Code IRC2021/TPI2014		Matrix-SH		Horz(CT)	0.00	15	n/a	n/a		Weight: 71 lb FT = 20%F, 11%E

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

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

REACTIONS. All bearings 16-3-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 28, 15, 27, 26, 25, 24, 23, 22, 21, 19, 18, 17, 16

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

- NOTES-** (7-8)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
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LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F206	Floor Supported Gable	1	1	Job Reference (optional) # 43924

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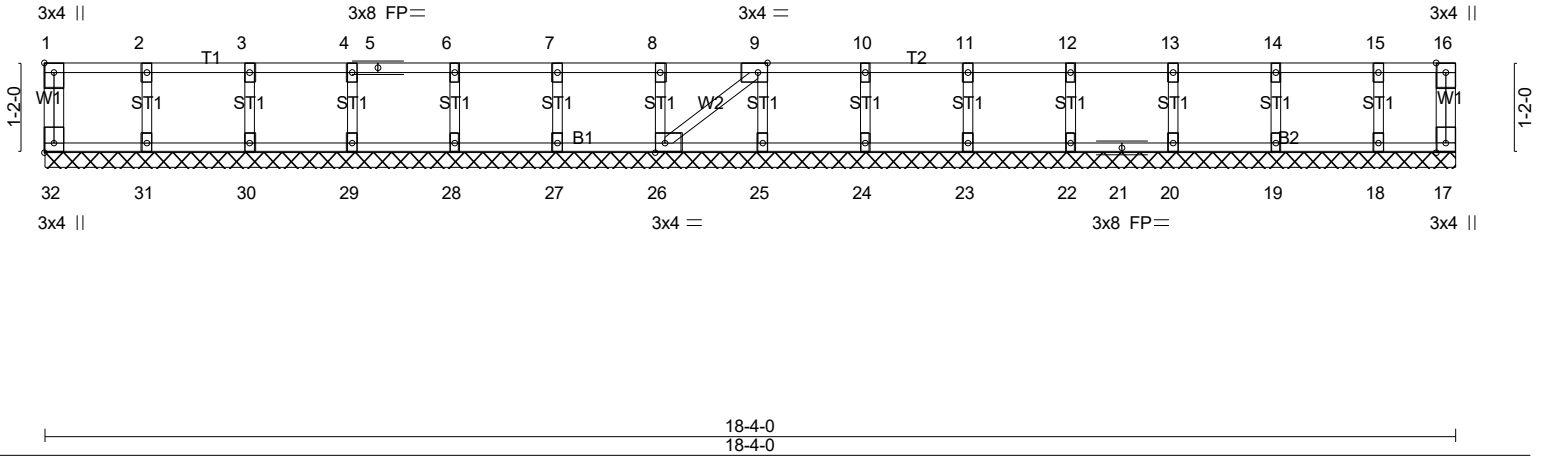


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-1-8,Edge], [26:0-1-8,Edge], [32:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.06	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Lumber DOL 1.00	WB 0.03	Horz(CT)	-0.00	26	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH					Weight: 80 lb	FT = 20%F, 11%E
	Code IRC2021/TPI2014							

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

REACTIONS. All bearings 18-4-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 20, 19, 18

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

- NOTES-** (6-7)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - 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.
 - 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

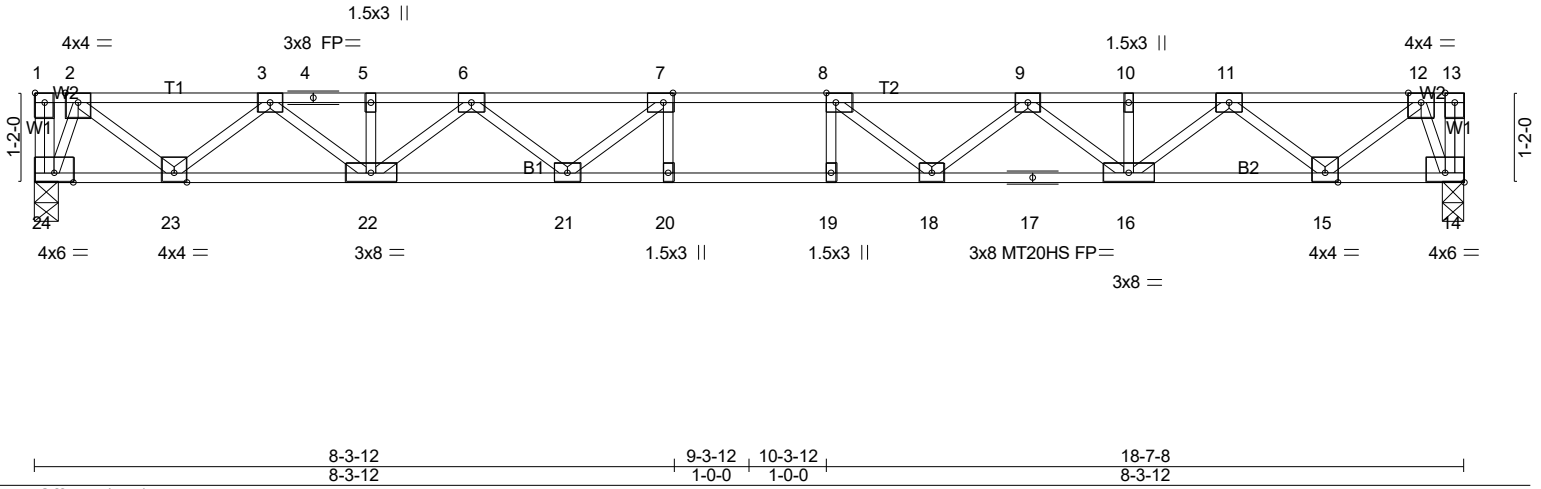
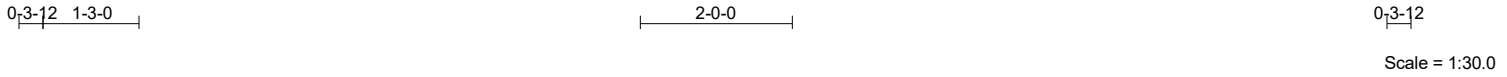


1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F207	Floor	8	1	
					# 43924

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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.42	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.84	Vert(LL) -0.27 19-20 >829 480	MT20HS	187/143
BCLL 0.0	Lumber DOL 1.00	WB 0.49	Vert(CT) -0.37 19-20 >601 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.06 14 n/a n/a		
	Code IRC2021/TPI2014			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)	

REACTIONS. (lb/size) 24=808/0-3-8 (min. 0-1-8), 14=808/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1161/0, 3-4=-2525/0, 4-5=-2525/0, 5-6=-2525/0, 6-7=-3284/0, 7-8=-3536/0, 8-9=-3284/0, 9-10=-2525/0, 10-11=-2525/0, 11-12=-1161/0
BOT CHORD 23-24=0/365, 22-23=0/1935, 21-22=0/3026, 20-21=0/3536, 19-20=0/3536, 18-19=0/3536, 17-18=0/3026, 16-17=0/3026,
15-16=0/1935, 14-15=0/365
WEBS 7-21=-541/19, 6-21=0/429, 6-22=-640/0, 3-22=0/753, 3-23=-1007/0, 2-23=0/1036, 2-24=-943/0, 8-18=-541/19,
9-18=0/429, 9-16=-640/0, 11-16=0/753, 11-15=-1007/0, 12-15=0/1036, 12-14=-943/0

- NOTES-** (5-6)
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - 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

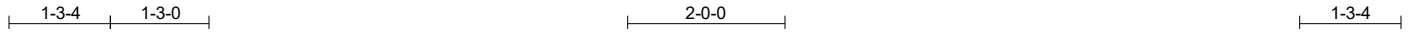


1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F208	Floor	4	1	# 43924

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jan 7 14:46:37 2024 Page 1
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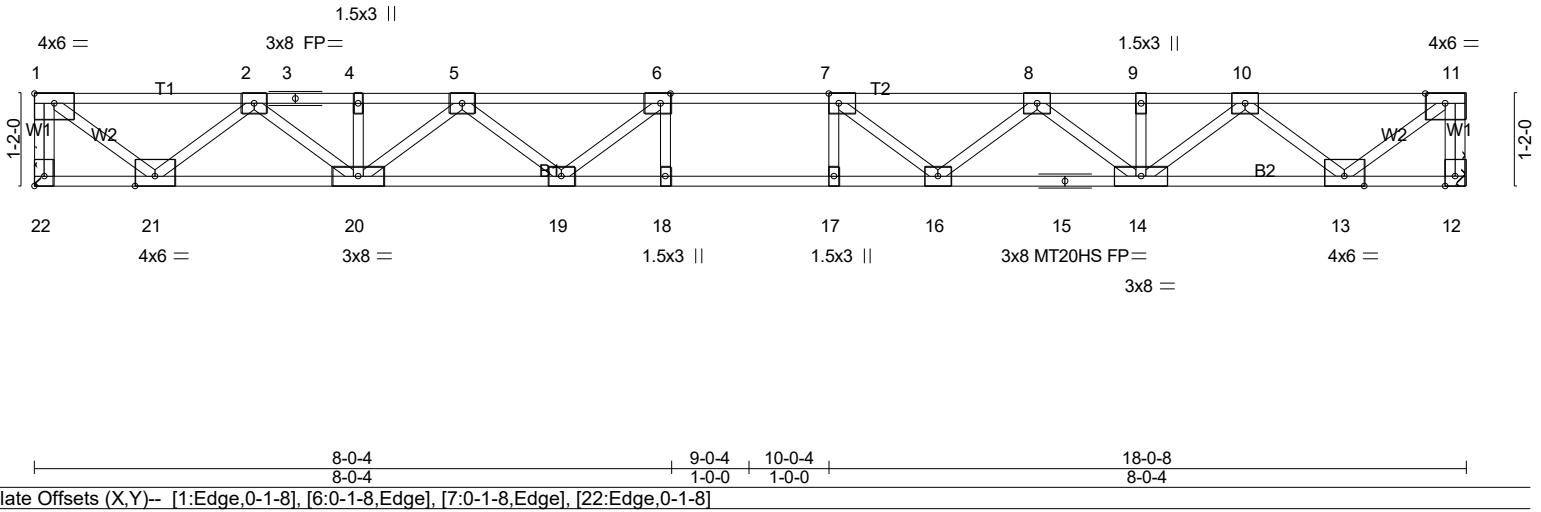


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [22:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.39	Vert(LL) -0.24	17-18	>905	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.80	Vert(CT) -0.33	17-18	>656	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr YES	WB 0.55	Horz(CT) 0.06	12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH						
							Weight: 92 lb	FT = 20%F, 11%E

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

REACTIONS. (lb/size) 22=782/Mechanical, 12=782/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-22=-777/0, 11-12=-777/0, 1-2=-923/0, 2-3=-2299/0, 3-4=-2299/0, 4-5=-2299/0, 5-6=-3063/0, 6-7=-3314/0, 7-8=-3063/0, 8-9=-2299/0, 9-10=-2299/0, 10-11=-923/0
 BOT CHORD 20-21=0/1731, 19-20=0/2805, 18-19=0/3314, 17-18=0/3314, 16-17=0/3314, 15-16=0/2805, 14-15=0/2805, 13-14=0/1731
 WEBS 6-19=-528/6, 5-19=0/420, 5-20=-646/0, 2-20=0/726, 2-21=-1051/0, 1-21=0/1152, 7-16=-528/6, 8-16=0/420, 8-14=-646/0, 10-14=0/726, 10-13=-1051/0, 11-13=0/1152

- NOTES- (6-7)
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - Refer to girder(s) for truss to truss connections.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



1/4/2024

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Job 23-B565-F02	Truss F209	Truss Type Floor	Qty 1	Ply 1	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC	# 43924
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Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jan 7 14:46:37 2024 Page 1
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1-3-0

0-7-0

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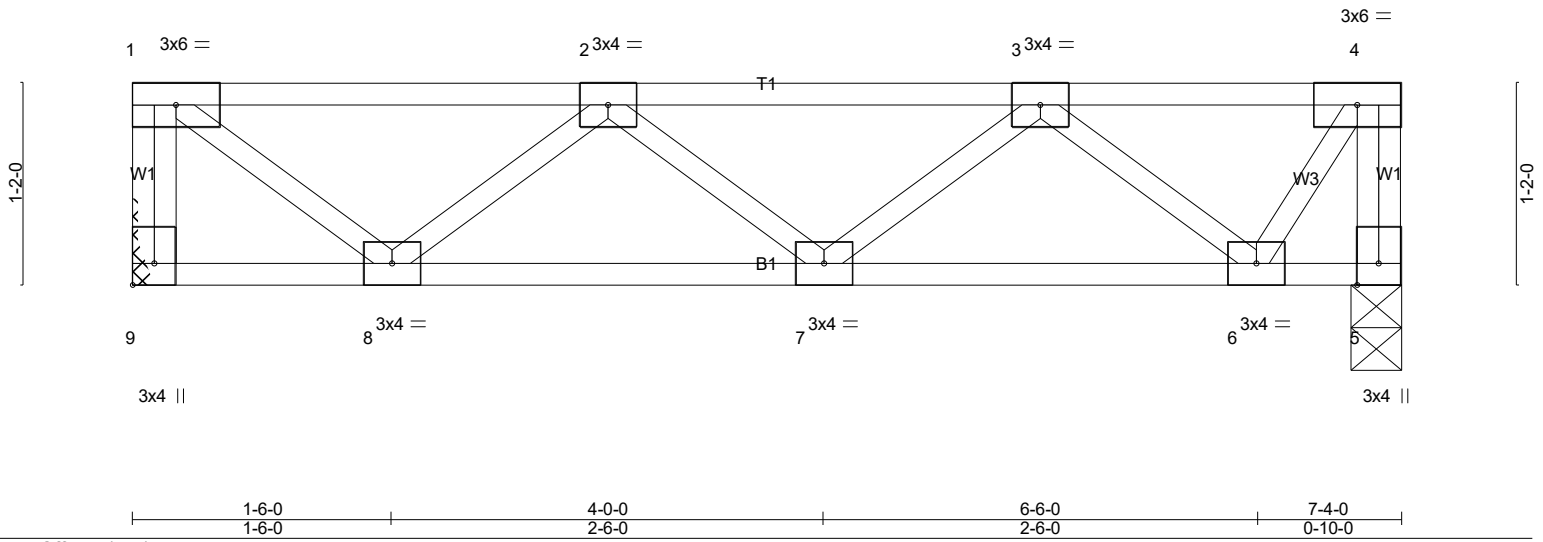


Plate Offsets (X,Y)-- [9:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.22	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.11	Vert(CT)	-0.01	7	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.18	Horz(CT)	0.00	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-P							
	Code IRC2021/TPI2014							Weight: 40 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=311/Mechanical, 5=311/0-3-8 (min. 0-1-8)

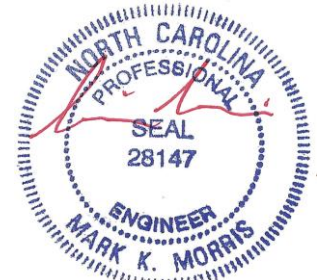
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-9=-307/0, 4-5=-312/0, 1-2=-295/0, 2-3=-510/0
BOT CHORD 7-8=0/543, 6-7=0/453
WEBS 1-8=0/370, 2-8=-323/0, 3-6=-367/0, 4-6=0/304

NOTES- (3-4)

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

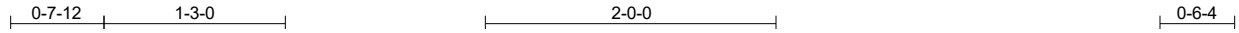


1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F210	Floor	6	1	
Job Reference (optional)					# 43924

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun Jan 7 14:46:38 2024 Page 1
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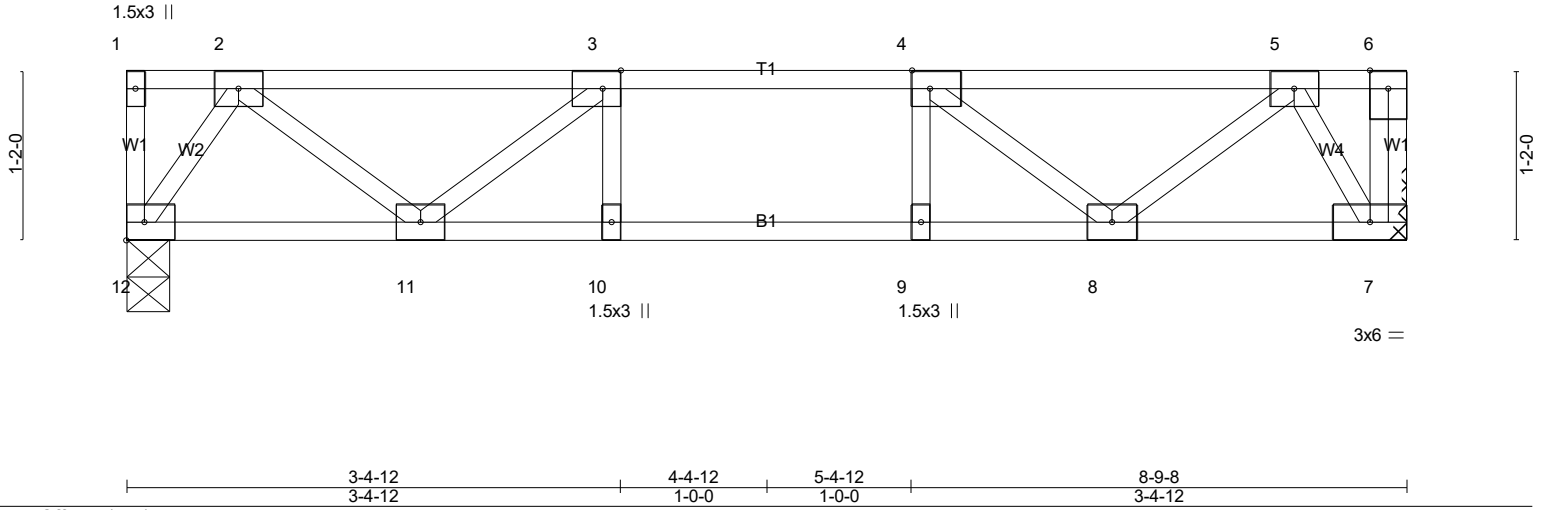


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge]								
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.18	Vert(LL) -0.03	10	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.26	Vert(CT) -0.04	10	>999	360		
BCLL 0.0	Rep Stress Incr YES	WB 0.16	Horz(CT) 0.01	7	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH					Weight: 45 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=378/Mechanical, 12=378/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-522/0, 3-4=-767/0, 4-5=-510/0
BOT CHORD 11-12=0/269, 10-11=0/767, 9-10=0/767, 8-9=0/767
WEBS 3-11=-319/0, 2-11=0/329, 2-12=-478/0, 4-8=-331/0, 5-8=0/339, 5-7=-473/0

- NOTES-** (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

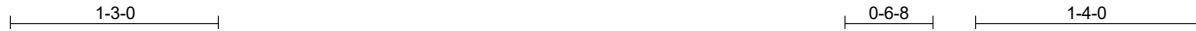


1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F211	Floor	1	1	Job Reference (optional) # 43924

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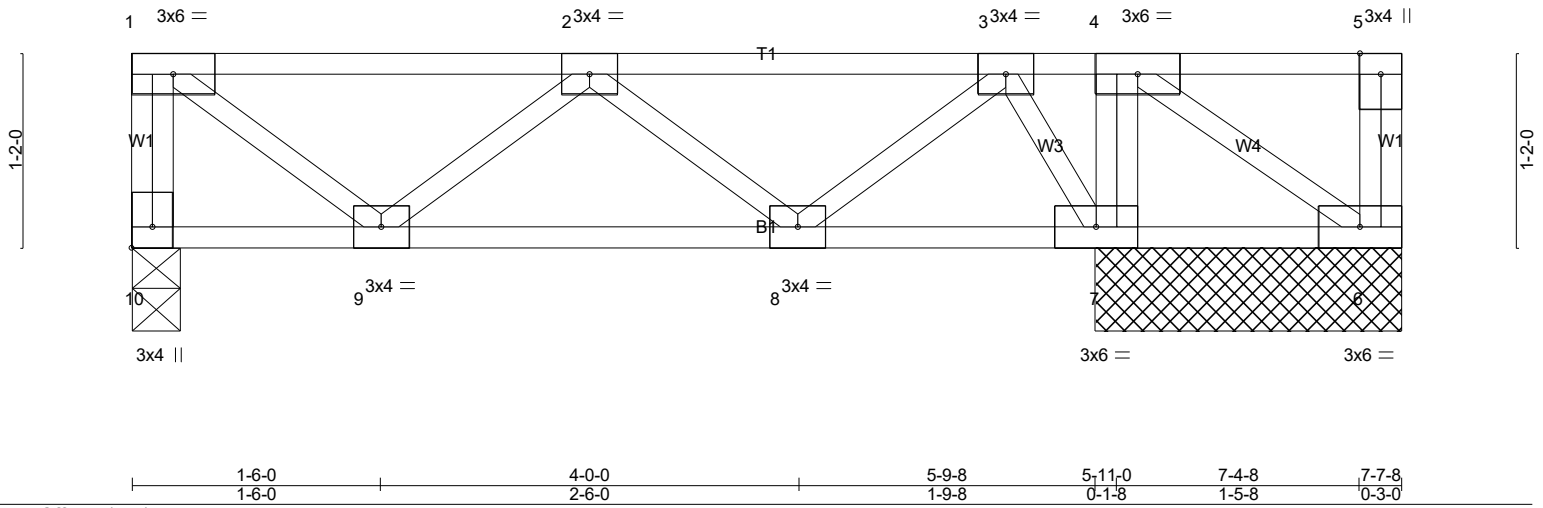


Plate Offsets (X,Y)-- [10:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.22	Vert(LL) -0.00	9	>999	480		MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.08	Vert(CT) -0.01	8-9	>999	360			
BCLL 0.0	Lumber DOL 1.00	WB 0.11	Horz(CT) 0.00	7	n/a	n/a			
BCDL 5.0	Rep Stress Incr YES	Matrix-P							
	Code IRC2021/TPI2014								
								Weight: 44 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: 6-7.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 10=227/0-3-8 (min. 0-1-8), 6=-32/1-10-0 (min. 0-1-8), 7=454/1-10-0 (min. 0-1-8)
Max Uplift6=-32(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 8-9=0/332
WEBS 3-7=-307/0

- NOTES-** (4-5)
- 1) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 6.
 - 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



1/4/2024

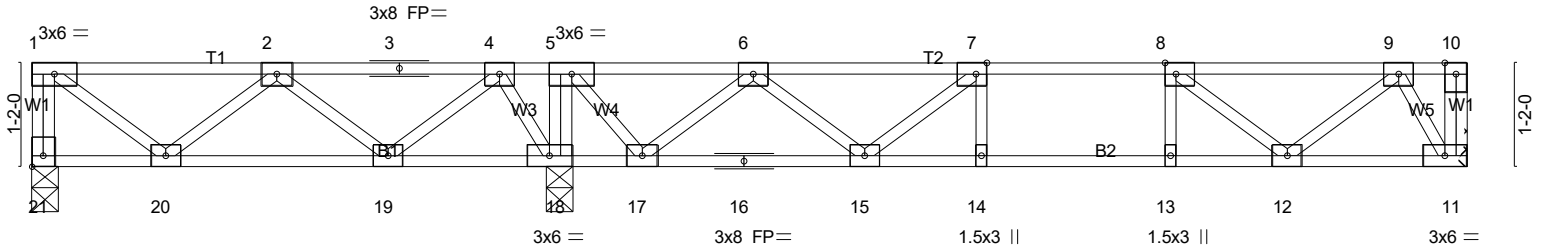
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F212	Floor	2	1	
					# 43924

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Scale = 1:25.9



5-11-4	10-8-12	11-8-12	12-8-12	16-1-8
5-11-4	4-9-8	1-0-0	1-0-0	3-4-12
Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [21:Edge,0-1-8]				

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.26	Vert(LL) -0.03	13	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.23	Vert(CT) -0.03	13	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.27	Horz(CT) 0.01	11	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH						
	Code IRC2021/TPI2014						Weight: 85 lb	FT = 20%F, 11%E

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

REACTIONS. (lb/size) 21=132/0-3-8 (min. 0-1-8), 18=893/0-3-8 (min. 0-1-8), 11=371/Mechanical
 Max Uplift 21=-45(LC 4)
 Max Grav 21=215(LC 8), 18=896(LC 7), 11=376(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-148/339, 3-4=-148/339, 4-5=0/788, 5-6=0/430, 6-7=-512/0, 7-8=-759/0, 8-9=-506/0
 BOT CHORD 19-20=-182/302, 18-19=-544/0, 17-18=-788/0, 16-17=0/258, 15-16=0/258, 14-15=0/759, 13-14=0/759, 12-13=0/759
 WEBS 5-18=-533/0, 2-19=-367/0, 4-19=0/390, 4-18=-444/0, 7-15=-330/0, 6-15=0/341, 6-17=-652/0, 5-17=0/569, 8-12=-322/0,
 9-12=0/335, 9-11=-472/0

- NOTES-** (7-8)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 21.
 - 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



1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F213	Floor	5	1	
					# 43924

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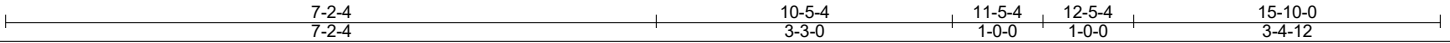
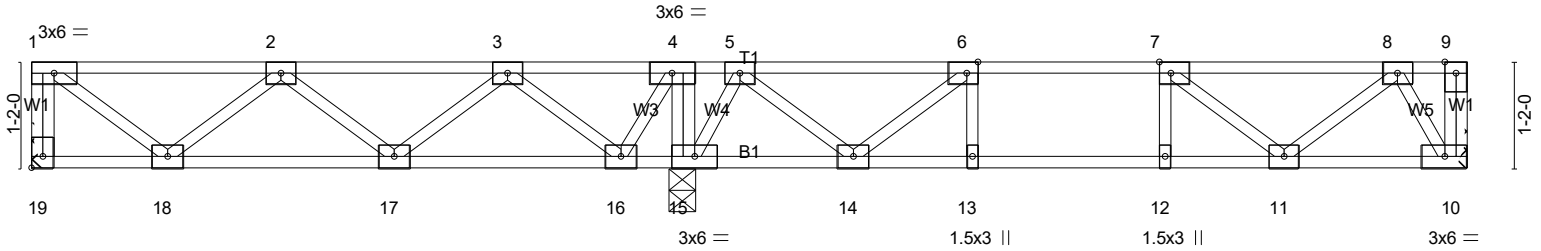


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [19:Edge,0-1-8]

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 0.22	Vert(LL)	-0.03	12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.27	Vert(CT)	-0.04	12	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.19	Horz(CT)	0.01	10	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
										Weight: 83 lb FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 19=267/Mechanical, 10=339/Mechanical, 15=765/0-3-8 (min. 0-1-8)
 Max Grav 19=304(LC 8), 10=348(LC 4), 15=772(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-19=-300/0, 1-2=-286/0, 2-3=-483/0, 4-5=0/440, 5-6=-331/0, 6-7=-645/0, 7-8=-455/0
 BOT CHORD 17-18=0/526, 16-17=-38/413, 15-16=-440/0, 13-14=0/645, 12-13=0/645, 11-12=0/645
 WEBS 4-15=-368/0, 1-18=0/359, 2-18=-313/0, 3-16=-458/0, 4-16=0/358, 6-14=-431/0, 5-14=0/394, 5-15=-480/0, 8-11=0/284, 8-10=-450/0

- NOTES-** (6-7)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.
 - 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F214	Floor Supported Gable	1	1	
					# 43924

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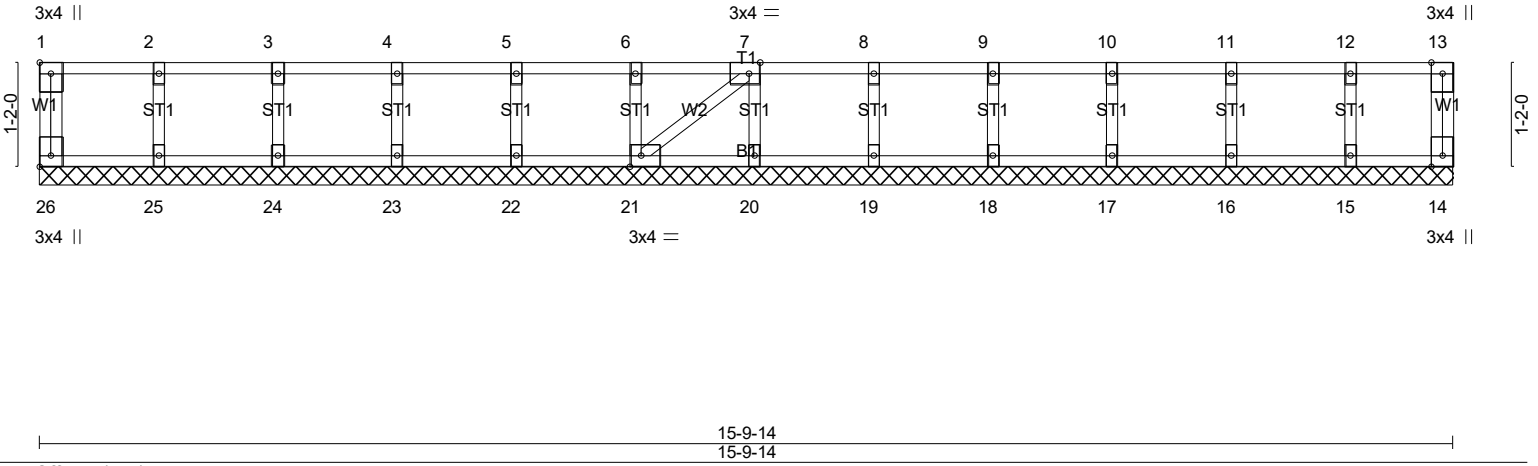


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [21:0-1-8,Edge], [26:Edge,0-1-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06	Vert(LL) n/a - n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT) n/a - n/a	999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT) -0.00 20 n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH				
						Weight: 70 lb	FT = 20%F, 11%E

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

REACTIONS. All bearings 15-9-14.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

- NOTES-** (6-7)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - 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.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

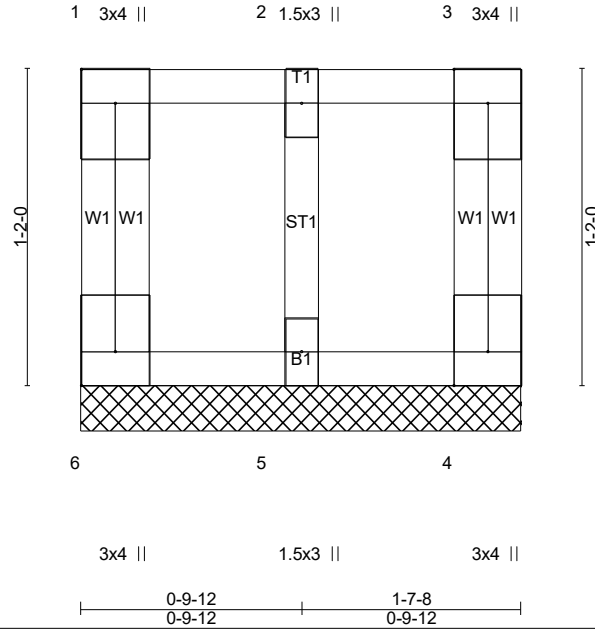


1/4/2024

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Job 23-B565-F02	Truss F215	Truss Type GABLE	Qty 1	Ply 1	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 43924
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Scale = 1:8.5

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6: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 0.01	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.00	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.02	Horz(CT) 0.00 4 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-R			
				Weight: 12 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

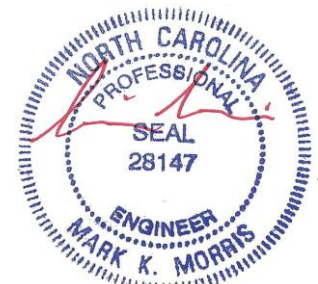
REACTIONS. (lb/size) 6=38/1-7-8 (min. 0-1-8), 4=38/1-7-8 (min. 0-1-8), 5=74/1-7-8 (min. 0-1-8)

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

NOTES- (5-6)

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

LOAD CASE(S) Standard



1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F216	Floor Supported Gable	1	1	
					# 43924

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0₁-8

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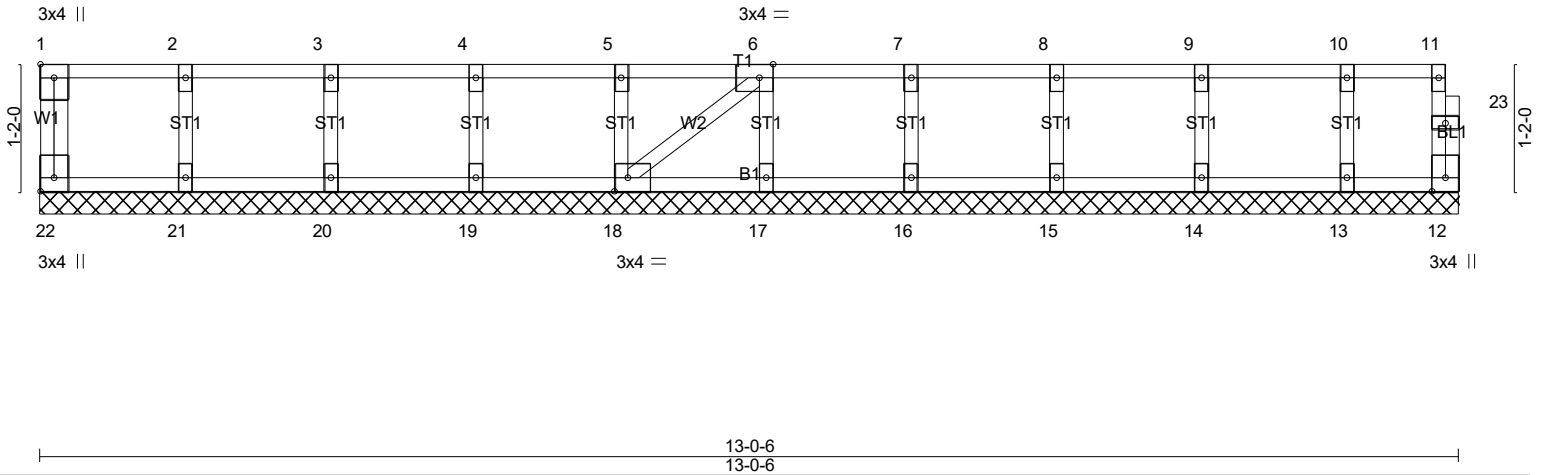


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-1-8,Edge], [22:Edge,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 12 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 58 lb	FT = 20%F, 11%E

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

REACTIONS. All bearings 13-0-6.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

- NOTES-** (7-8)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION. Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 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

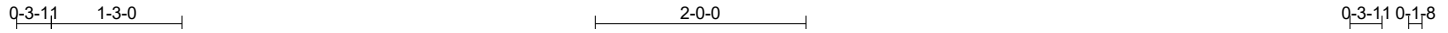


1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F217	Floor	7	1	# 43924

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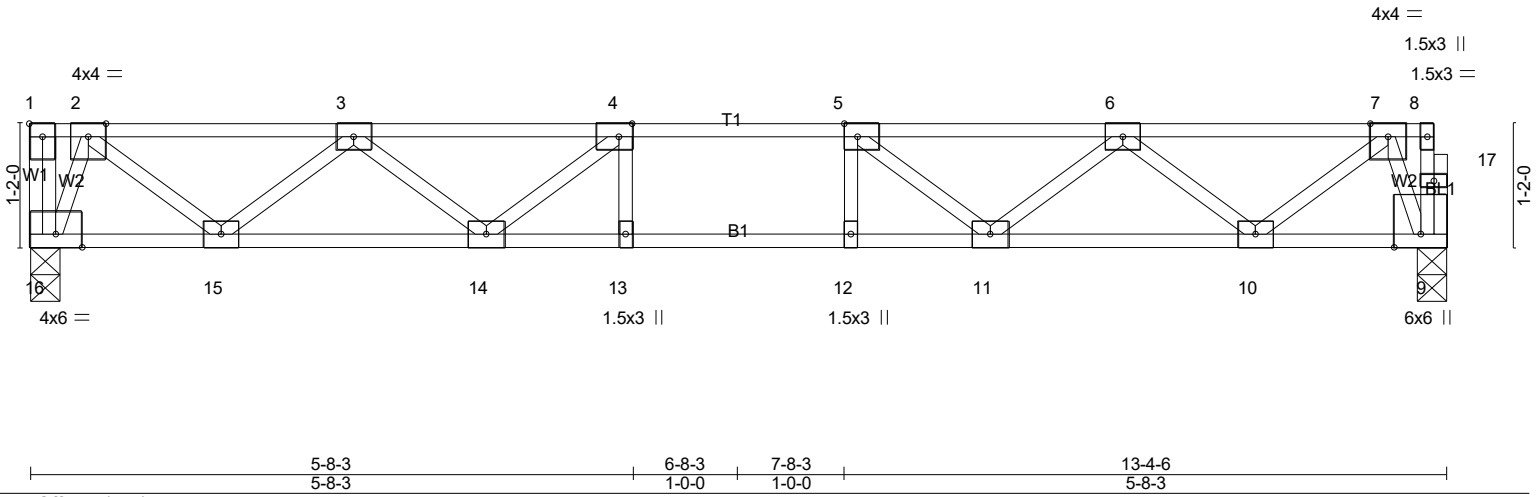


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.25	Vert(LL)	-0.09	13-14	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.49	Vert(CT)	-0.11	13-14	>999		
BCLL 0.0	Lumber DOL 1.00	WB 0.33	Horz(CT)	0.02	9	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH						
	Code IRC2021/TPI2014						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)	

REACTIONS. (lb/size) 16=577/0-3-8 (min. 0-1-8), 9=572/0-3-6 (min. 0-1-8)

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

TOP CHORD	2-3=-789/0, 3-4=-1548/0, 4-5=-1794/0, 5-6=-1548/0, 6-7=-789/0
BOT CHORD	15-16=0/261, 14-15=0/1296, 13-14=0/1794, 12-13=0/1794, 11-12=0/1794, 10-11=0/1296, 9-10=0/260
WEBS	4-14=-419/0, 3-14=0/350, 3-15=-659/0, 2-15=0/688, 2-16=-680/0, 5-11=-419/0, 6-11=0/350, 6-10=-659/0, 7-10=0/688, 7-9=-691/0

NOTES- (5-6)

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

LOAD CASE(S) Standard



1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F218	Floor	5	1	
					# 43924

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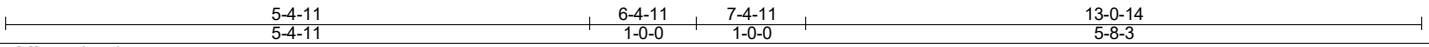
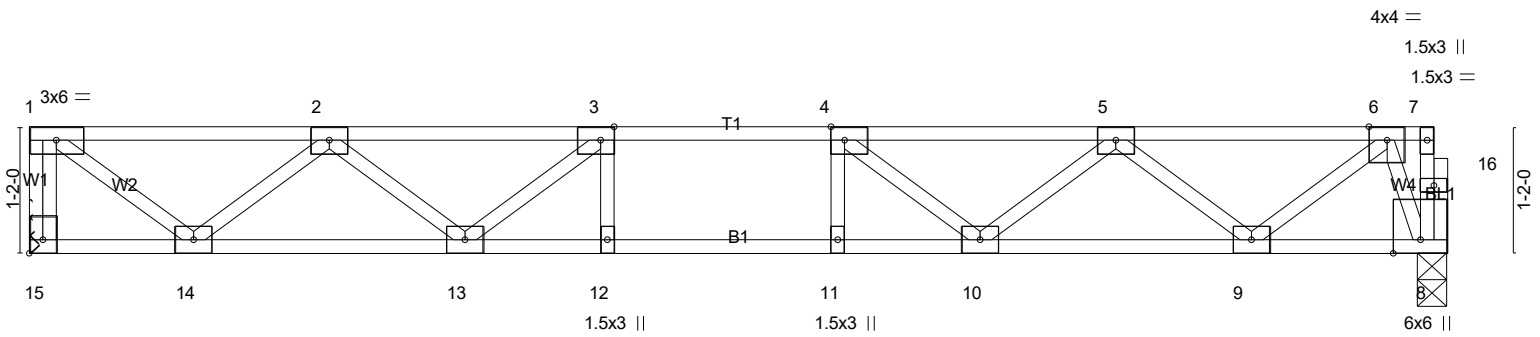
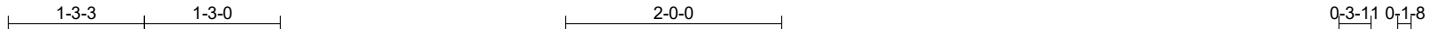


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.26	Vert(LL)	-0.09 10-11	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.51	Vert(CT)	-0.11 10-11	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.38	Horz(CT)	0.02 8	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH						
	Code IRC2021/TPI2014							
							Weight: 67 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 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) 15=564/Mechanical, 8=559/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-559/0, 1-2=-633/0, 2-3=-1444/0, 3-4=-1712/0, 4-5=-1497/0, 5-6=-768/0
 BOT CHORD 13-14=0/1181, 12-13=0/1712, 11-12=0/1712, 10-11=0/1712, 9-10=0/1262, 8-9=0/254
 WEBS 3-13=-435/0, 2-13=0/359, 2-14=-713/0, 1-14=0/791, 4-10=-385/0, 5-10=0/330, 5-9=-642/0, 6-9=0/669, 6-8=-675/0

- NOTES-** (6-7)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.
 - 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



1/4/2024

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 HONEYCUTT HILLS 69 SHELBY MEADOW LANE ANGIER, NC
23-B565-F02	F219	Floor Supported Gable	1	1	# 43924

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Scale = 1:21.2

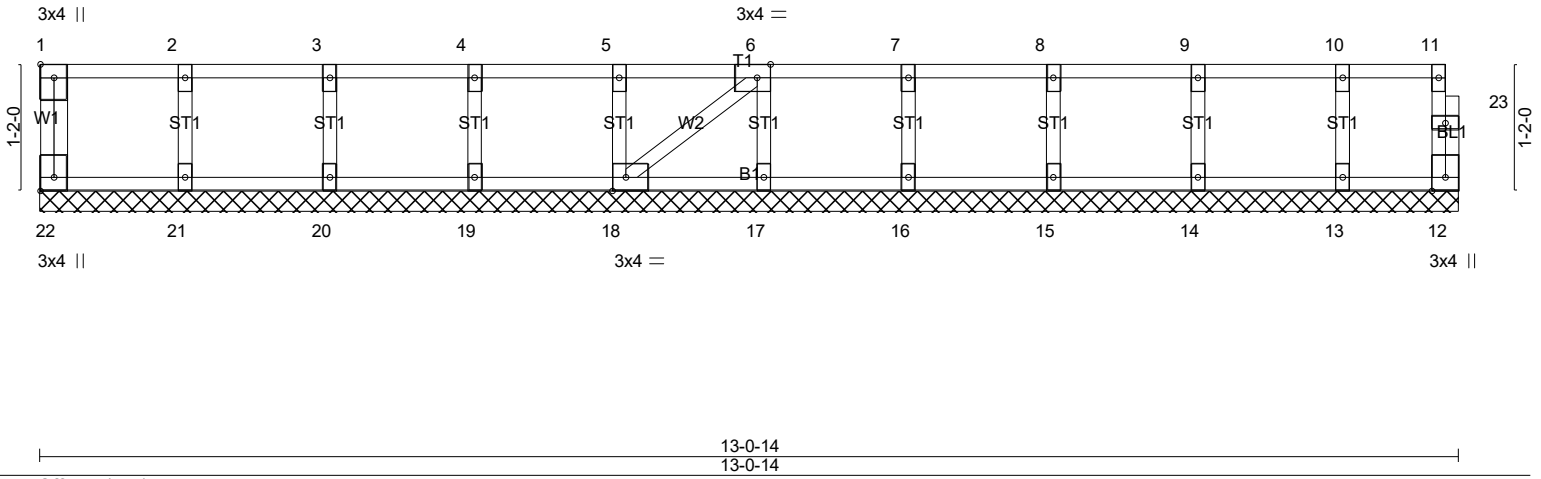


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-1-8,Edge], [22:Edge,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 12 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 58 lb	FT = 20%F, 11%E

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

REACTIONS. All bearings 13-0-14.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

- NOTES-** (7-8)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION. Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 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



1/4/2024

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