# Mark Morris, P.E. #126, 1317-M, Summerville, SC 29483

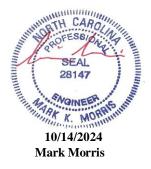
843 209-5784, Fax (866)-213-4614

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 #: 53382 JOB: 24-8632-F01 JOB NAME: LOT 0.0016 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. *17 Truss Design(s)* 

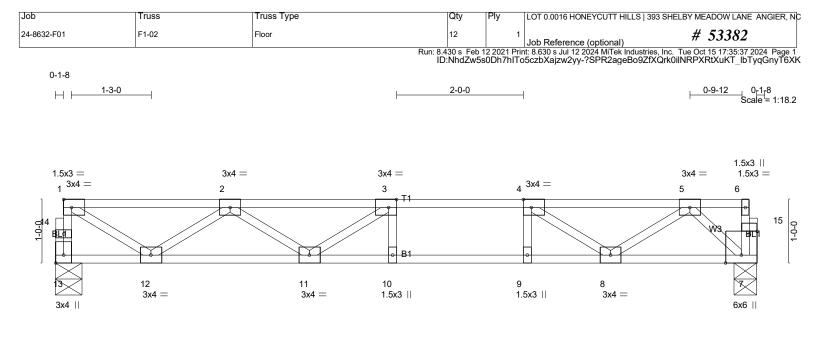
Trusses:

F1-02, F1-04, F1-05, F1-06, F1-09, F1-10, F1-13, F1-17, F1-19, F1-20, F1-21, F1-24, F1-25, F1-26, F1-33, F1-34, F1-35



#### 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 erector. Additional permanent bracing of the overall structure is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the 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.



	5-4-8			1-0-0	3-8-4
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [13:Ed	dge,0-1-8], [15:0-1-8,0-0-8]			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.41 BC 0.71 WB 0.41 Matrix-SH	Vert(LL) -0.1	n (loc) l/defl L/d 2 10-11 >999 480 5 10-11 >852 360 2 7 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 53 lb         FT = 20%F, 11%
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	end verticals.	ng directly applied or 6-0-0 oc purlins, exce blied or 10-0-0 oc bracing.

6-4-8

7-4-8

11-0-12

REACTIONS. (lb/size) 13=588/0-5-0 (min. 0-1-8), 7=588/0-4-8 (min. 0-1-8)

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

TOP CHORD 13-14=-581/0, 1-14=-580/0, 1-2=-764/0, 2-3=-1648/0, 3-4=-1761/0, 4-5=-1144/0

5-4-8

BOT CHORD 11-12=0/1432, 10-11=0/1761, 9-10=0/1761, 8-9=0/1761, 7-8=0/603

WEBS 3-11=-313/22, 2-11=0/313, 2-12=-816/0, 1-12=0/868, 4-8=-742/0, 5-8=0/660, 5-7=-824/0

NOTES-(3-7)

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) Trusses designed with 2018 IRC also comply with 2015 IRC.

4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.

6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED

MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0016 HONEYCUTT HILL	S   393 SHELBY MEADOW	LANE ANGIER, NC
24-8632-F01	F1-04	Floor Supported Gable	1	1	Job Reference (optional)	# 533	
		Run: 8 IE	8.430 s Feb 9:NhdZw5s	12 2021 Prii 0Dh7hITo	nt: 8.630 s Jul 12 2024 MiTek Ind 5czbXajzw2yy-TfzpFwhHy5H	ustries, Inc. Tue Oct 15 17: IQHh?1IkD_wfynYH233	35:38 2024 Page 1 09vq6hNoEyT6XJ
0-1-8							0- <u>1</u> -8
							Scale = 1:42.2
1.5x3		1.5x3    1.5x3					1.5x3
3x4 = 1.5x3    1.5	5x3    1.5x3    1.5x3    1.5x	$3 \mid\mid 1.5x3 \mid\mid 1.5x3 \mid\mid 3x8 \ FP = 4x4 =$	1.5x3	1.5x3    1	.5x3    1.5x3    1.5x3    1	.5x3    1.5x3    1.5x3	Ⅱ 3x4 =
1 2 3	3 4 5 <sub>1</sub> 6	7 8 9 10 11 12	13	14	15 16 17 T2	18 19 20	21
			<b>C1</b> 4		<u> </u>		
			511	511	ST1 ST1 ST1	ST1 ST1 ST1	
	*****	$\sim$			*****	************	
42 41 4	40 39 38 37	36 35 34 33 32 3	31 30	29	28 27 26	25 24 23	22
3x4    1.5x3    1.5	5x3    1.5x3    1.5x3    1.5x	3    1.5x3    1.5x3    1.5x3    4x4 = 3x8	FP=	1.5x3    1	.5x3    1.5x3    1.5x3    1	.5x3    1.5x3    1.5x3	3x4
			1.5x3				

				20-0-12					
	25-5-12								
Plate Offsets	Plate Offsets (X,Y) [12:0-1-8,Edge], [33:0-1-8,Edge], [42:Edge,0-1-8], [43:0-1-8,0-1-8], [44:0-1-8,0-1-8]								
				-1/1/1					
LOADING (p	osf)	<b>SPACING-</b> 2-0-0	CSI.	DEFL. ir	(loc)	l/defl L/	PLATES GRIP		
TCLL Ä	0.ó	Plate Grip DOL 1.00	TC 0.07	Vert(LL) n/a	· -	n/a 999	MT20 244/190		
TCDL 10	0.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a	ı -	n/a 99	)		
BCLL (	0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	22	n/a n/a			
	5.0	Code IRC2021/TPI2014	Matrix-SH	(0.)			Weight: 102 lb FT = 20%F, 11%E		
LUMBER-				BRACING-					
TOP CHORE	D 2x4 SP	No.1(flat)		TOP CHORD	Struct	ural wood she	athing directly applied or 6-0-0 oc purlins, except		
BOT CHORI						erticals.	5 , , , , , , , , , , , , , , , , , , ,		
WEBS	2x4 SP	No.3(flat)		BOT CHORD	Rigid	ceiling directly	applied or 10-0-0 oc bracing.		

25-5-12

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 25-5-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 42, 22, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23

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

#### NOTES-(5-9)

1) Gable requires continuous bottom chord bearing.

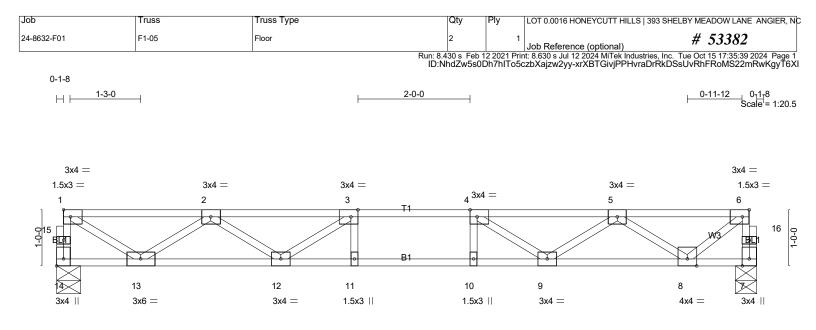
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

Gable studs spaced at 1-4-0 oc.

- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing,
- web bracing shown is for lateral support of individual web members only. Refer to BCS1 Guide to Good Practice for Handling, installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
   SEE BCSI-B3 SUMMARY SHEET PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

# LOAD CASE(S) Standard





L	5-4-8		<del>4-8 / 7-4-8 /</del> 0-0 1-0-0		5-1-4	
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1				<b>)-  -4</b>	
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.31 BC 0.64 WB 0.48 Matrix-SH	Vert(LL) -0.1	n (loc) l/defl L/d 1 11-12 >999 480 5 11-12 >974 360 3 7 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 60 lb         FT =	20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc pu d or 10-0-0 oc bracing.	rlins, except

710

610

#### REACTIONS. (lb/size) 14=666/0-5-0 (min. 0-1-8), 7=666/0-4-8 (min. 0-1-8)

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

510

TOP CHORD 14-15=-661/0, 1-15=-660/0, 7-16=-664/0, 6-16=-663/0, 1-2=-884/0, 2-3=-1994/0, 3-4=-2312/0, 4-5=-1912/0,

- 5-6=-729/0 BOT CHORD 12-13=0/1652, 11-12=0/2312, 10-11=0/2312, 9-10=0/2312, 8-9=0/1515
- 3-12=-521/0, 2-12=0/446, 2-13=-938/0, 1-13=0/1005, 4-9=-588/0, 5-9=0/489, 5-8=-959/0, 6-8=0/890 WEBS

(3-7) NOTES-

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) Trusses designed with 2018 IRC also comply with 2015 IRC.

4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.

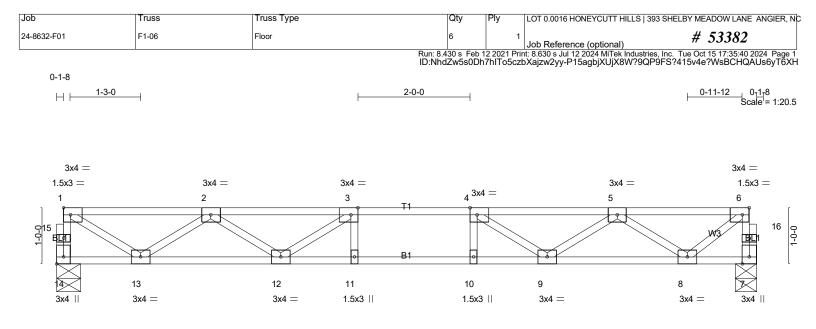
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling. Installing. Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED

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LOAD CASE(S) Standard



12 5 12



	J- <del>4</del> -0		0-4-0 7-4-0		2-0-12
I	5-4-8	1	1-0-0 1-0-0		5-1-4
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) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	<b>CSI.</b> TC 0.20 BC 0.43 WB 0.32			PLATES         GRIP           MT20         244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	1012(01) 0.02		Weight: 60 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing a end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, except

7-4-8

6-4-8

12-5-12

Rigid ceiling directly applied or 10-0-0 oc bracing.

### REACTIONS. (lb/size) 14=444/0-5-0 (min. 0-1-8), 7=444/0-4-8 (min. 0-1-8)

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

5-4-8

TOP CHORD 14-15=-441/0, 1-15=-440/0, 7-16=-443/0, 6-16=-442/0, 1-2=-589/0, 2-3=-1330/0, 3-4=-1541/0, 4-5=-1274/0,

- 5-6=-486/0 12-13=0/1101, 11-12=0/1541, 10-11=0/1541, 9-10=0/1541, 8-9=0/1010 BOT CHORD
- 3-12=-348/0, 2-12=0/297, 2-13=-625/0, 1-13=0/670, 4-9=-392/0, 5-9=0/326, 5-8=-640/0, 6-8=0/593 WEBS

NOTES-(3-7)

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) Trusses designed with 2018 IRC also comply with 2015 IRC.

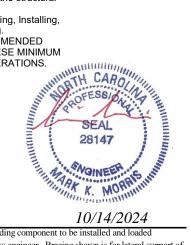
4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

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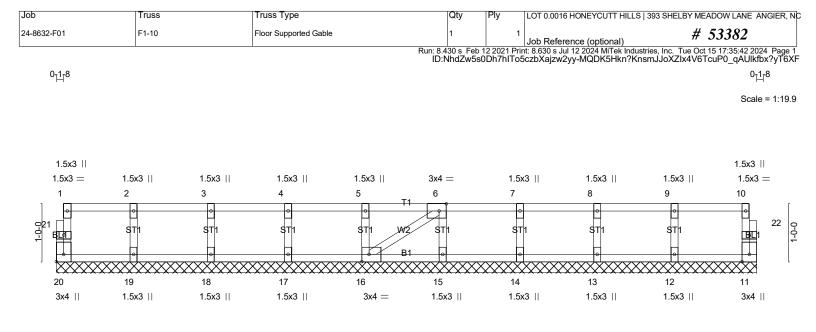
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling. Installing. Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED

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LOAD CASE(S) Standard



participant         pice	Job	Truss	Truss Type	Qty Ply	LOT 0.0016 HONEYCUTT HILLS   393 SHEL	BY MEADOW LANE ANGIER, NC
$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	24-8632-F01	F1-09	Floor			
$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $				Run: 8.430 s Feb 12 2021 Prir ID:NhdZw5s0Dh7hITc	nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. T o5czbXajzw2yy-tEfytxj9E0f?89kczsnhYH	ue Oct 15 17:35:41 2024 Page 1 aCEUvfFG9LW4w1PZyT6XG
$ \begin{array}{c} 10^{-1} & 3^{-1} & 3^{-1} & 4^{-1} & 3^{-1} & 3^{-1} & 4^{-1} & 3^{$	120	1	2-0-0	<u>0-11-0</u>		<u>1-2-8</u> 0- <u>1</u> -8 Scale = 1:33.6
Ext         1+30         4+11-0         4+11-0         7+11-8           The Offset (XY)         130-1-8 (deg) [10-1-8 (deg) [22 (deg) 0-1.8]         (po) (viet)         PLATES         GRP           LOADNG (rsf)         PRACING         2-0.0         CSL         Vert(L)         (po) (viet)         PLATES         GRP           LOADNG (rsf)         Lumber DOL         100         BC 0.72         Vert(L)         (po) (viet)         PLATES         GRP           Columber DOL         00         Rep Stress Incr         FS         WB 0.47         Horz(CT)         0.62 172         >940 980         Weight: 90 1b         FT = 20%F, 11%E           LUMBER         Code IRC2021/TPI2014         Matrix-SH         BRACING-         Weight: 90 1b         FT = 20%F, 11%E           LUMBER         Code IRC2021/TPI2014         Matrix-SH         BRACING-         Weight: 90 1b         FT = 20%F, 11%E           LUMBER         Code IRC2021/TPI2014         Matrix-SH         BOT CHORD         Shuctural wood sheathing directly applied or 6-0-0 oc purlins, except wortholds           POP CHORD         245720-50 (min. 0-1-8), 12=284(0-545 (min. 0-1-8), matrix-1810(0-2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-164(0, 2, 2=-			T1 4 1 20 19	5 6 7 • • • • • • • • • • • • • • • • • • •	8 T2 9 10 B2 16 15 14	1.5x3 = $11$ $26$ $13$ $12$
TCLL       40.0       Plate Grip DOL       1.00       TC       0.42       Vert(LL)       0.12 ± 22 > 999       480       MT20       24/4190         BCLL       0.0       Rep Stress Incr       YES       WB       0.47       Horz(CT)       0.02       17       n/a       n/a         BCLL       0.0       Code IRC2021/TPI2/014       Mainx-SH       BRACING-       TOP CHORD       24:41'90       Weight: 99 lb       FT = 20%F, 11%E         LUMBER-       TOP CHORD       24:45 P No.1(flat)       TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purilins, except end werticals.       BOT CHORD       Ref STRUESSTCC 50       (min. 0-1-8), 17=1331/0-4-8       (min. 0-1-8)       Ref GTONS       Ref GTONS       Ref GTONS       Ref GTONS       Structural wood sheathing directly applied or 6-0-0 oc bracing.         REACTIONS       (bisize)       24-25-9200, 1-25-3780, 12-25-358		5-4-8 [3:0-1-8,Edge], [4:0-1-8,Edge	1-0-0 <sup>+</sup> 1-0-0 <sup>+</sup> , [11:0-1-8,Edge], [24:Edge,0-1	4-11-0  -8]	7-11-8	GRIP
TOP CHORD 2x4 SP No.1(flat)       TOP CHORD BOT CHORD 2x4 SP No.3(flat)       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.         WEBS       2x4 SP No.3(flat)       BOT CHORD       Rigid ceiling directly applied or 6-0-0 oc bracing.         REACTIONS.       (Ibsize)       24=5720.5-0       (min. 0-1-8), 17=1331/0-4.8       (min. 0-1-8), Max Grav24=587(LC 3), 12=364(LC 4), 17=1331(LC 1)         FORCES.       (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown.       TOP CHORD       24255=5800, 12=265-3806, 12=2-7810, 23=-1641/0, 34=1-74910, 4:56-11350, 5-6-00596, 6-7-00596, 7-8-65772, 8-9-687/253, 9-10-687/253, 10=11-3960-88         BOT CHORD       22-23=01/428, 21-22-01/749, 20-21-01/749, 19-20=01/749, 18-19=-64/602, 17-18=-1245/0, 1617=-12290/158, 1-161=-467/545, 1-14=-4-04/6731         WEBS       7-17=-1304/0, 2-22=01/749, 20-21-01/749, 19-20=01/749, 18-19=-64/602, 17-18=-1245/0, 1617=-12290/158, 7-16=0/786, 8-16=-723/0, 5-19=0/686, 5-18=-1054/0, 15-16=-407/545, 1-14=-40/736, 10-13=-409/82, 11-13=-46/450         NOTES       (-5)         NOTES       (-5)         1) Ubbalanced floor live loads have been considered for this design.         2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 bupift at joint 12.         3) Recommend 2x8 storngbacks, on edge, spaced at 10-0-0 ca and fastened to each truss with 3-10d (0.131* X 3*) nails. Strongbacks to be attached to walls at their outer ands or restrained by other means.         10 CAUTION, Do not erect	TCLL 40.0 TCDL 10.0 BCLL 0.0	Plate Grip DOL 1.0 Lumber DOL 1.0 Rep Stress Incr YE	0 TC 0.42 0 BC 0.72 S WB 0.47	Vert(LL) -0.12 21-22 = Vert(CT) -0.16 21-22 =	>999 480 MT20 >940 360 n/a n/a	244/190
Max Grav24=687(LC 3), 12=364(LC 4), 17=1331(LC 1) FORCES. (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. TOP CHORD 24-25=-5800, 1-22=-5780, 12-28=-5896, 51-28=-5896, 51-28=-587(2, 3, 9=-687/253, 9=-1687/253, 9=-1087/253, 9=-1087/253, 9=-1087/253, 9=-1087/253, 9=-1087/253, 9=-1087/253, 9=-1087/253, 9=-1087/253, 9=-1087/253, 9=-1087/253, 10-118=-396/38 BOT CHORD 22-23=-01428, 21-22=-01749, 20-21=01749, 19=-20=01/1749, 18=-19=-64/602, 17=18=-1245/0, 16=17=-12390, 15=16=-407/545, 14=-1067/31 WEBS 7-17=-1304/0, 22-22=01/260, 2-23=-814/0, 1-23=-00865, 4=19=-788/0, 5=19=-0686, 5=-18=-1054/0, 7=16=00/786, 8=-16=-723/0, 8=14=-1067/31 WEBS 7-17=-1304/0, 2-22=01/260, 2-23=-814/0, 1-23=-00865, 4=19=-788/0, 5=19=-0686, 5=-18=-1054/0, 7=16=-00786, 8=-16=-723/0, 8=14=-1308/35, 10=11=-306/38, 0=-108, 9=-10686, 4=19=-788/0, 5=19=-0686, 5=-18=-1054/0, 7=16=-00786, 8=-16=-723/0, 8=14=-1067/31 WEBS 7-17=-1304/0, 2-22=01/260, 2-23=-814/0, 1-23=-01865, 4=19=-788/0, 5=19=-0686, 5=-18=-1054/0, 7=18=-010/786, 8=-16=-723/0, 8=14=-1067/31 WEBS 7-17=-1304/0, 2-22=01/260, 2-23=-814/0, 1-23=-01865, 4=19=-788/0, 5=19=-0686, 5=-18=-1054/0, 1=3=-40/982, 1==13=-846/450 NOTES= (5=9) 1) Unbalanced floor live loads have been considered for this design. 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 12. 3) Recommend 2x6 strongbacks, on edge, spaced at 11-0-0 oc and fastened to each truss with 3=10d (0.131*X3*) nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 4) CAUTION. Do not erect truss backwards. 5) Trusses designed with 2018 IRC also comply with 2015 IRC. 6) Graphical bracing gromestations of a possible bearing condition. Bearing symbols are not considered in the structure design of the truss to support the loads indicated. 3) We bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Insalind Bearing symbols are nonly agraph	TOP CHORD 2x4 SF BOT CHORD 2x4 SF	۹ No.1(flat)		TOP CHORD Structura end vert	icals.	• • •
TOP CHORD       24-25-5800, 1-25-5780, 12-26-358/6, 11-26-358/5, 1-2e-761/0, 23-1641/0, 3-4-1730, 0, 56-07096, 6-7-0/596, 7-8-65/712, 8-9-687/253, 9-10-687/253, 10-11-396/38         BOT CHORD       22-23-0/1428, 21-22-0/1749, 19-20-21-0/1749, 19-20-90/1749, 18-19=-64/602, 17-18=-1245/0, 16-177-1229/0, 15-16-467/545, 13-14=-106/711         WEBS       7-17-1304/0, 2-22-0/260, 2-23=-814/0, 1-23-0/865, 4-19=-789/0, 5-19=-0/686, 5-18=-1054/0, 7-18=-0/786, 8-16=-723/0, 8-14=-0/336, 10-13=-409/82, 11-13=-46/450         NOTES-       (5-9)         1) Unbalanced floor live loads have been considered for this design.         2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 12.         3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 cc and fastened to each truss with 3-10d (0.131* X 3*) nails. Strongbacks to be attached to walls at their outler ends or restrained by other means.         4) CAUTION, Do not erect truss backwards.         5) Trusses designed with 2018 IRC also comply with 2015 IRC.         6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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 structure design of the truss to support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing Restance of the structure design of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing guidelines, alcuMAY SHEET. PERMANENT RESTRAING/BRACING OF CHOR	Max U	plift12=-2(LC 3)		7=1331/0-4-8 (min. 0-1-8)		
<ol> <li>Unbalanced floor live loads have been considered for this design.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 12.</li> <li>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.</li> <li>CAUTION, Do not erect truss backwards.</li> <li>Trusses designed with 2018 IRC also comply with 2015 IRC.</li> <li>Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.</li> <li>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.</li> <li>Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing Presentation of Trusses for additional bracing guidelines, including diagonal bracing.</li> <li>SEE BCSI-B3 SUMMARY SHEET - PERMANENT RESTRAING/BRACING OF CHORDS &amp; WEB MEMBERS FOR RECOMMENDED MEMBERS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MEMINUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MEMINUM 28147</li> <li>GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.</li> <li>LOAD CASE(S) Standard</li> </ol>	TOP CHORD 24-25 3-4=- 9-10 BOT CHORD 22-22 16-11 WEBS 7-17= 5-18=	5=-580/0, 1-25=-578/0, 12-26 1749/0, 4-5=-1135/0, 5-60/5 687/253, 10-11=-396/38 3=0/1428, 21-22=0/1749, 20-2 '=-1229/0, 15-16=-467/545, 1 1304/0, 2-22=0/260, 2-23=- -1054/0, 7-18=0/978, 7-16=0	-359/6, 11-26=-358/5, 1-2=-76 96, 6-7=0/596, 7-8=-65/712, 8- 1=0/1749, 19-20=0/1749, 18-1 4-15=-467/545, 13-14=-106/73 314/0, 1-23=0/865, 4-19=-789/0	1/0, 2-3=-1641/0, 9=-687/253, 9=-64/602, 17-18=-1245/0, 1 9, 5-19=0/686,		
LOAD CASE(S) Standard	<ol> <li>Unbalanced floor li</li> <li>Provide mechanica</li> <li>Recommend 2x6 s</li> <li>be attached to wall</li> <li>CAUTION, Do not</li> <li>Trusses designed via</li> <li>Graphical bracing r</li> <li>the member must b</li> <li>Bearing symbols at design of the truss</li> <li>Web bracing show</li> <li>Restraining &amp; Brac</li> <li>SEE BCSI-B3 SUM</li> <li>MINIMUM BRACIN</li> </ol>	I connection (by others) of tru trongbacks, on edge, spaced s at their outer ends or restrai erect truss backwards. with 2018 IRC also comply wi epresentation does not depic be braced. re only graphical representation to support the loads indicated in is for lateral support of indiv ing of Metal Plate Connected IMARY SHEET- PERMANEN IG REQUIREMENTS OF TOF	ss to bearing plate capable of v at 10-0-0 oc and fastened to e ned by other means. h 2015 IRC. the size, type or the orientation of a possible bearing condit dual web members only. Refer Wood Trusses for additional br T RESTRAING/BRACING OF ( CHORD, BOTTOM CHORD, A	ach truss with 3-10d (0.131" X 3") n of the brace on the member. Sy ion. Bearing symbols are not con- to BCSI - Guide to Good Practice acing guidelines, including diagor CHORDS & WEB MEMBERS FO AND WEB PLANES. IN ADDITIO	mbol only indicates that	
10/14/2024	,				A NONE	A A A A A A A A A A A A A A A A A A A
			e TI i i i i i i i i i i i i i i i i i i		10/14/	/2024



12-1-0 12-1-0 Plate Offsets (X,Y) [6:0-1-8,Edge], [16:0-1-8,Edge], [20:Edge,0-1-8]						
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a - n/a 999 a - n/a 999	PLATES         GRIP           MT20         244/190           Weight: 51 lb         FT = 20%F, 11%E	
LUMBER-     BRAC       TOP CHORD 2x4 SP No.1(flat)     TOP C       BOT CHORD 2x4 SP No.1(flat)     WEBS       2x4 SP No.3(flat)     BOT C				Structural wood sheathing end verticals. Rigid ceiling directly appli	g directly applied or 6-0-0 oc purlins, except ed or 10-0-0 oc bracing.	

# OTHERS 2x4 SP No.3(flat)

**REACTIONS.** All bearings 12-1-0.

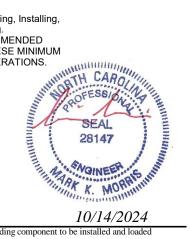
(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

**NOTES-** (5-9)

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
   SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

### LOAD CASE(S) Standard



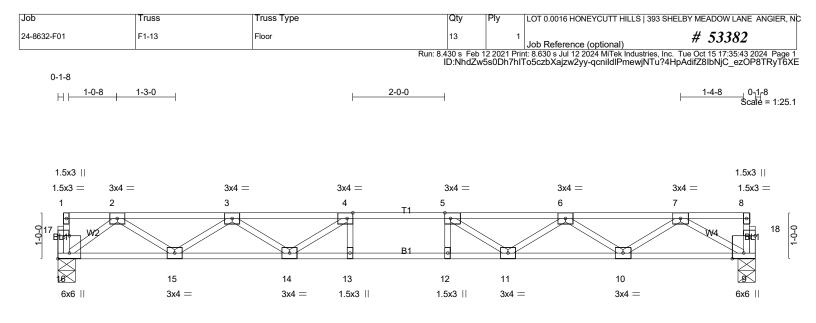


Plate Offsets (X,Y)	6-5-0 6-5-0 [4:0-1-8,Edge], [5:0-1-8,Edge], [16:Ed	<u>7-5-0</u> <u>1-0-0</u> dge,0-3-0], [17:0-1-8,0-0-	) 1-0-0	15-2- 6-9-0	
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.33 BC 0.70 WB 0.38 Matrix-SH	Vert(LL) -0.1	3 12-13 >765 360	PLATES         GRIP           MT20         244/190           Weight: 72 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=651/0-4-8 (min. 0-1-8), 9=651/0-4-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1485/0, 3-4=-2429/0, 4-5=-2760/0, 5-6=-2507/0, 6-7=-1649/0

BOT CHORD 15-16=0/831, 14-15=0/2107, 13-14=0/2760, 12-13=0/2760, 11-12=0/2760, 10-11=0/2233, 9-10=0/1033

4-14=-545/0, 3-14=0/437, 3-15=-759/0, 2-15=0/798, 2-16=-1038/0, 5-11=-481/0, 6-11=0/396, 6-10=-713/0, 7-10=0/752, WEBS 7-9=-1193/0

NOTES-(3-7)

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) Trusses designed with 2018 IRC also comply with 2015 IRC.

4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

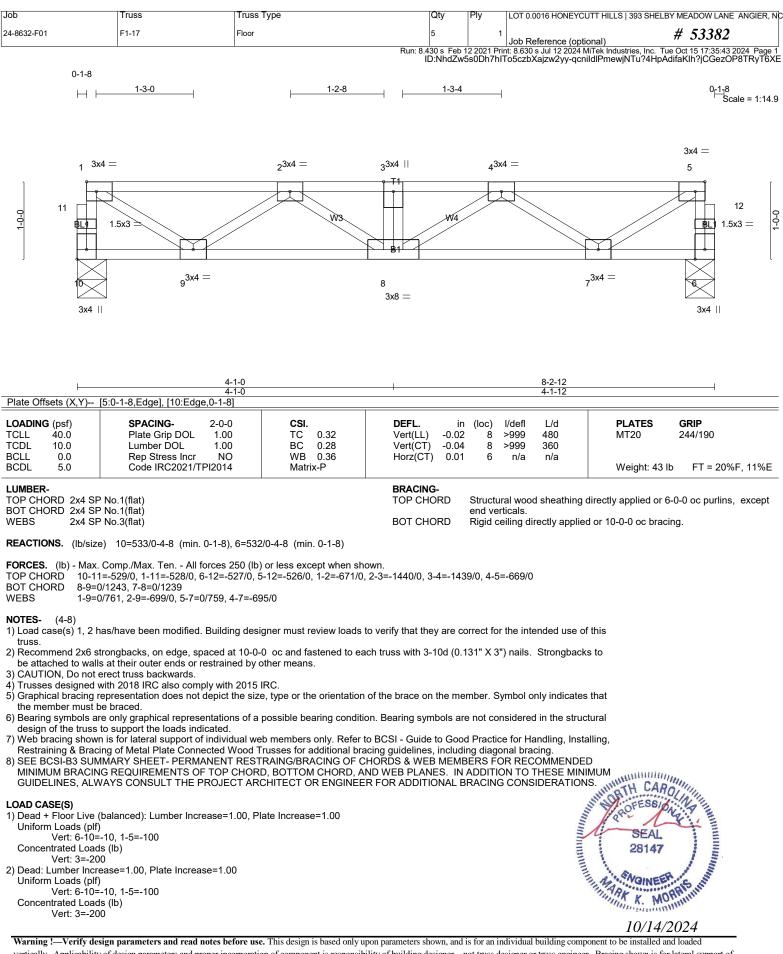
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

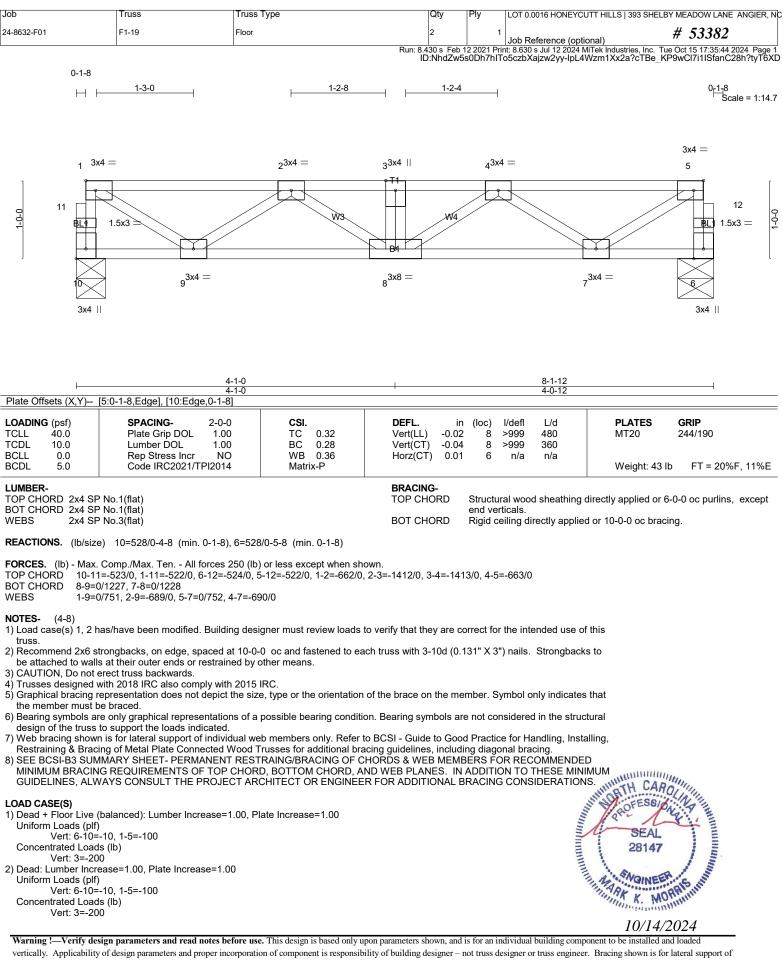
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling. Installing. Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED

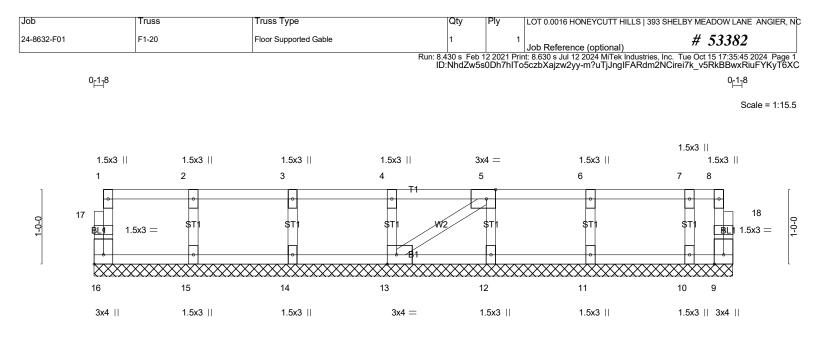
MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard









L			6-7-0				
			8-7-0				1
Plate Offsets (X,Y)	[5:0-1-8,Edge], [13:0-1-8,Edge], [16:E	dge,0-1-8]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-P	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	ı -	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 38 Ib	<b>GRIP</b> 244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end ve	rticals.	g directly applied or 6- ied or 6-0-0 oc bracing	-0-0 oc purlins, except g.

070

REACTIONS. All bearings 8-7-0.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 9

Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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

### NOTES- (6-10)

1) Gable requires continuous bottom chord bearing.

2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

3) Gable studs spaced at 1-4-0 oc.

- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
- 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) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
   SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDE MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

# LOAD CASE(S) Standard



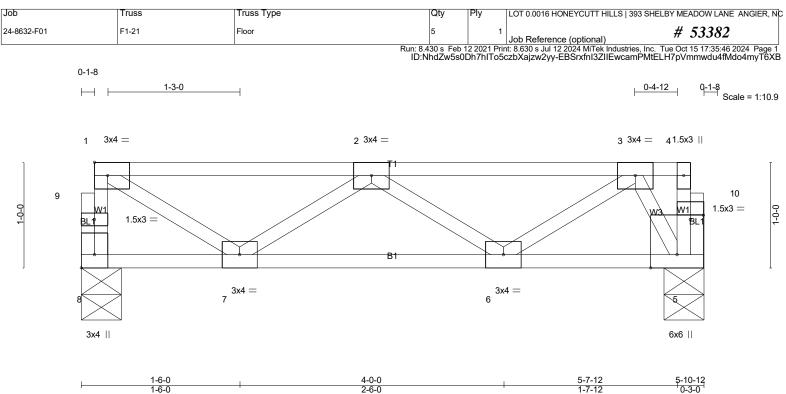


Plate Offsets (X,Y)	[8:Edge,0-1-8], [10:0-1-8,0-0-8]	1	
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.18 BC 0.08 WB 0.11 Matrix-P	DEFL.         in         (loc)         I/defl         L/d           Vert(LL)         -0.00         6         >999         480           Vert(CT)         -0.01         6-7         >999         360           Horz(CT)         0.00         5         n/a         N/a           Weight:         31 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF	P No.1(flat)		BRACING- TOP CHORD Structural wood sheathing directly applied or 5-10-12 oc purlins,

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

BOT CHORD

except end verticals

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=203/0-4-8 (min. 0-1-8), 5=203/0-4-8 (min. 0-1-8)

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

TOP CHORD 2-3=-269/0 BOT CHORD 6-7=0/380 WEBS 3-5=-272/0

#### NOTES-(2-6)

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

Trusses designed with 2018 IRC also comply with 2015 IRC.

3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

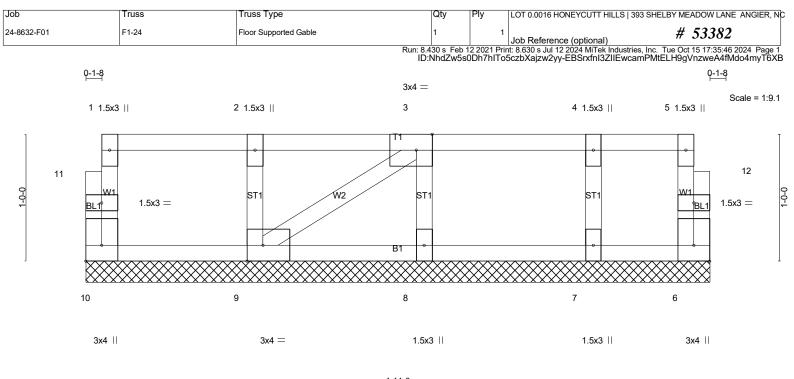
4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





L			4-11-0				1
			4-11-0				1
Plate Offsets (X,Y)	[3:0-1-8,Edge], [6:Edge,0-1-8], [9:0-1-	-8,Edge], [10:Edge,0-1-8]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03 Matrix-P	<b>DEFL.</b> ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	i -	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 24 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
		· /	BRACING- TOP CHORD BOT CHORD	end ver	rticals.	directly applied or 4- d or 10-0-0 oc bracin	11-0 oc purlins, except ng.

#### **REACTIONS.** All bearings 4-11-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

**NOTES-** (5-9)

1) Gable requires continuous bottom chord bearing.

- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
   SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

#### LOAD CASE(S) Standard



100	TTUSS	Truss Type	Q	ly Fly	LOT 0.0016 HONEYCUTT HIL	LS   393 SHELBY MEADOW	LANE ANGIER, NC
24-8632-F01	F1-25	Floor Supported Gable	1	1	Job Reference (optional)	# 533	
			Run: 8.430 ID:NhdZ	s Feb 12 2021 Print w5s0Dh7hITo5cz	: 8.630 s Jul 12 2024 MiTek Ind bXajzw2yy-iO0D8?owqsQ	dustries, Inc. Tue Oct 15 17: 9s4BmJ7t6nYqKQv7Cf5	35:47 2024 Page 1 QDu0NLcCyT6XA
0 <sub>1</sub> 1 <sub>7</sub> 8							0 <sub>1</sub> 18
							Scale = 1:23.6
1.5x3							1.5x3
1.5x3 = 1.5x3	1.5x3    1.5	5x3    1.5x3    1	.5x3    3x4 =	= 1.5x3	1.5x3	1.5x3    1.5x3	1.5x3 =
1 2	3 4	5	6 7	8	9	10 11	12
] 0	0	•		•	•	•	
	ST1 S	T1 ST1	ST1 W2 ST1	ST1	ST1	STI1 STI	26 Q BU1 Q
						ЦЦ	
			B1 0				
24 23	22 2		19 18	17	16	15 14	13
3x4    1.5x3	1.5x3    1.5	5x3    1.5x3	3x4 = 1.5x3	1.5x3	1.5x3	1.5x3    1.5x3	3x4

Otv

**P**Iv

			14-3-12			
			14-3-12			
Plate Offsets (X Y)	[7:0-1-8,Edge], [19:0-1-8,Edge], [24:E	dae 0-1-8]				
	[/:0 / 0;Eugo]; [/0:0 / 0;Eugo]; [21:E					
LOADING (psf)	SPACING- 2-0-0	CSI.		n (loc) l/defl L/d	PLATES GRIP	
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a	a - n/a 999	MT20 244/190	
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a	a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	0 13 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 59 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			
BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)		BOT CHORD	end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.			

14-3-12

# OTHERS 2x4 SP No.3(flat)

**REACTIONS.** All bearings 14-3-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

Truss Type

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

**NOTES-** (5-9)

.lob

Truss

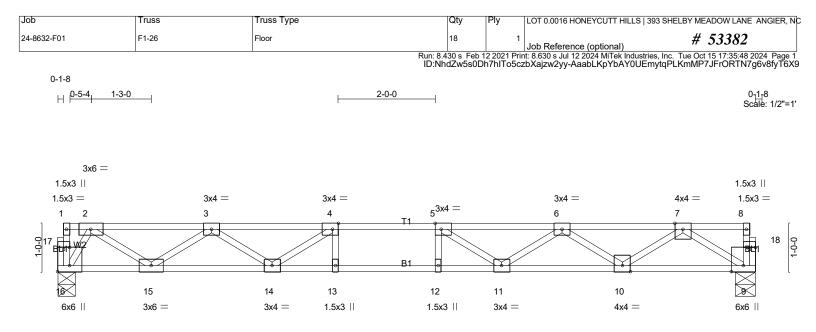
1) Gable requires continuous bottom chord bearing.

- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
   SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

### LOAD CASE(S) Standard



LOT 0.0016 HONEYCUTT HILLS I 393 SHELBY MEADOW LANE ANGIER NO



	5-9-12 1-		1-0-0	6-7-8		
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [16:E					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.44 BC 0.88 WB 0.49 Matrix-SH	Vert(CT) -0.	in (loc) I/defl L/d 19 12 >915 480 26 12 >665 360 04 9 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 70 lb         FT = 20%F, 11%E	
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF			BRACING- TOP CHORD	Structural wood sheathing o end verticals.	directly applied or 6-0-0 oc purlins, except	

7-0-12

6-0-12

WFBS 2x4 SP No.3(flat)

7-9=-1341/0

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

14-5-4

#### REACTIONS. (lb/size) 16=774/0-4-8 (min. 0-1-8), 9=774/0-5-0 (min. 0-1-8)

5-0-12

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

- TOP CHORD 2-3=-1373/0, 3-4=-2629/0, 4-5=-3112/0, 5-6=-2865/0, 6-7=-1868/0
- BOT CHORD 15-16=0/526, 14-15=0/2180, 13-14=0/3112, 12-13=0/3112, 11-12=0/3112, 10-11=0/2566, 9-10=0/1134
- 4-14=-719/0, 3-14=0/571, 3-15=-986/0, 2-15=0/1033, 2-16=-981/0, 5-11=-522/1, 6-11=0/445, 6-10=-852/0, 7-10=0/896, WEBS

NOTES-(3-7)

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) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
- 6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling. Installing. Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
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LOAD CASE(S) Standard



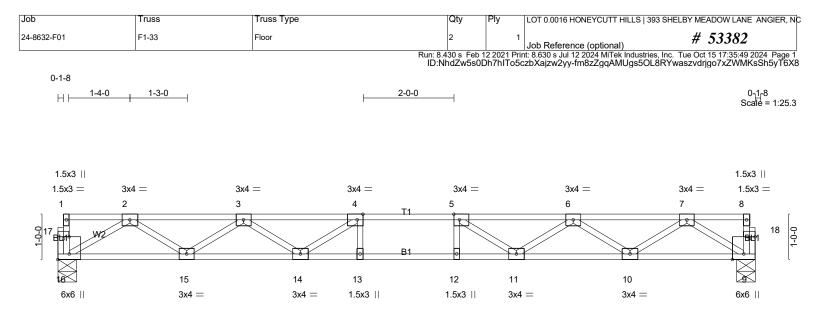


Plate Offsets (X.Y)	6-8-8 6-8-8 [4:0-1-8,Edge], [5:0-1-8,Edge], [16:E	1-	-8-8 8-8-8 -0-0 1-0-0 -8], [18:0-1-8,0-0-8]	15-4 6-7	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.25 BC 0.57 WB 0.31 Matrix-SH	DEFL. i Vert(LL) -0.1	n (loc) l/defl L/d 5 12-13 >999 480 0 12-13 >901 360 4 9 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 73 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF			BRACING- TOP CHORD	Structural wood sheathing d end verticals.	lirectly applied or 6-0-0 oc purlins, except

#### WFBS 2x4 SP No.3(flat)

7-9=-957/0

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=549/0-5-0 (min. 0-1-8), 9=549/0-5-0 (min. 0-1-8)

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

- TOP CHORD 2-3=-1377/0, 3-4=-2119/0, 4-5=-2354/0, 5-6=-2103/0, 6-7=-1343/0
- BOT CHORD 15-16=0/851, 14-15=0/1875, 13-14=0/2354, 12-13=0/2354, 11-12=0/2354, 10-11=0/1849, 9-10=0/809
- 4-14=-425/0, 3-14=0/345, 3-15=-609/0, 2-15=0/642, 2-16=-990/0, 5-11=-438/0, 6-11=0/353, 6-10=-618/0, 7-10=0/651, WEBS

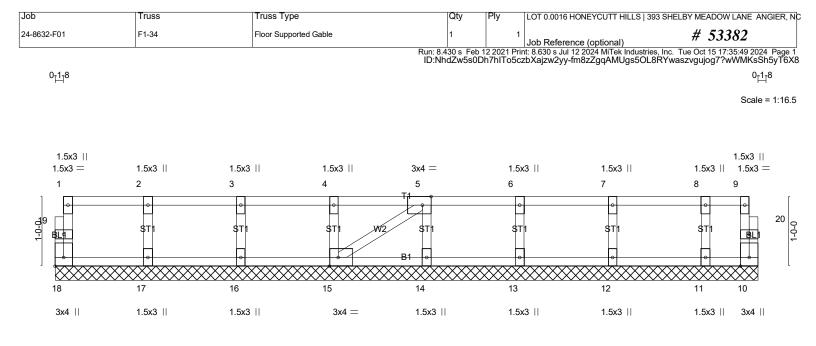
NOTES-(3-7)

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) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
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LOAD CASE(S) Standard





L			10-1-0				
10-1-0 Plate Offsets (X,Y) [5:0-1-8,Edge], [15:0-1-8,Edge], [18:Edge,0-1-8]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	i -	l/defl L/d n/a 999 n/a 999 n/a n/a	<b>PLATES</b> MT20 Weight: 43 lb	<b>GRIP</b> 244/190 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 BOT CHORD	end verticals.			

#### REACTIONS. All bearings 10-1-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

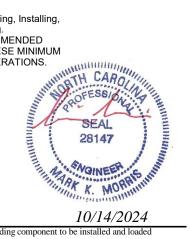
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

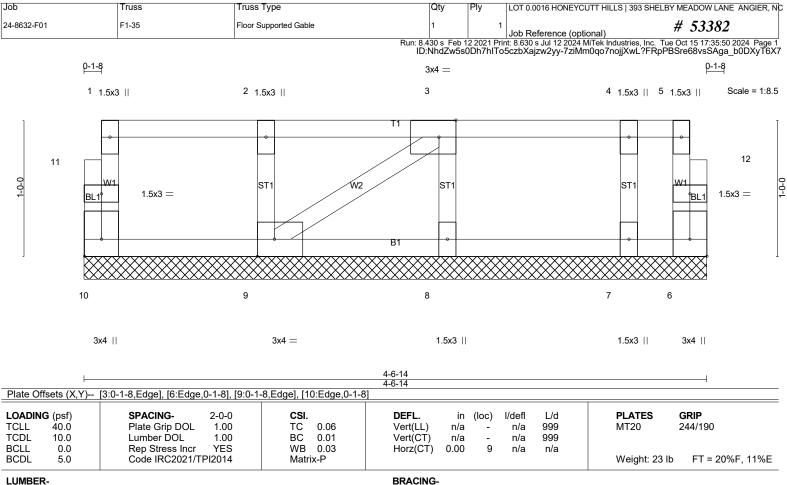
**NOTES-** (5-9)

1) Gable requires continuous bottom chord bearing.

- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) Trusses designed with 2018 IRC also comply with 2015 IRC.
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### LOAD CASE(S) Standard





#### LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS 2x4 SP No.3(flat) OTHERS

TOP CHORD Structural wood sheathing directly applied or 4-6-14 oc purlins, except end verticals BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 9-10.

#### REACTIONS. All bearings 4-6-14.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 6

Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

#### NOTES-(6-10)

1) Gable requires continuous bottom chord bearing.

2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

Gable studs spaced at 1-4-0 oc.

- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6.
- 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) Trusses designed with 2018 IRC also comply with 2015 IRC
- 7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
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## LOAD CASE(S) Standard

