

Trenco RE: 2501456_OFA - H&H/Prelude/ 818 Soundside Rd Site Information: Edenton, NC 27932 Project Customer: H AND H Project Name: 2501456 Lot/Block: Subdivision: Model: Address: State: NC City: General Truss Engineering Criteria & Design Loads (Individual Truss Design **Drawings Show Special Loading Conditions):** Design Code: IRC2015/TPI2014 Design Program: MiTek 20/20 8.2 Wind Code: ASCE 7-10 Wind Speed: 150 mph Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-10 Roof Load: 40.0 psf Floor Load: N/A psf Mean Roof Height (feet): 25 Exposure Category: C No. Seal# Truss Name Date No. Seal# Truss Name Date 143258119 A02A 10/21/20 35 143258153 H07 10/21/20 12345678910112 I43258120 I43258120 I43258121 I43258122 36 37 38 143258154 H08 21/20 A03 10/21/20 21 143258155 H09 H10 A04 /20 10/21/20 143258156 /20 10/ 39 40 143258157 143258158 143258123 B01 /20 H11 H12 **B**02 /20 143258125 **B03** 41 143258159 H13 21/20 143258126 **C**01 21/20 ČJ01 D01 143258127 43 0/21/20 143258161 H15 143258162 143258163 143258128 21/20 44 45 46 143258129 0/21/20 H17 143258130 D03 143258164 101 13 14 143258131 143258132 **D**04 47 143258165 102 103 0/21/20 D05 48 143258166 49 50 104 105 D06 143258167 21/20 16 17 18 19 20 21 22 23 143258134 D07 21/20 143258168 106 107 143258135 D08 143258169 58136 D09 58170 53 54 143258137 143258171 108 258138 E02 109 55 56 143258139 E03 110 143258140 **E**04 J01 143258141 57 Ĵ02 E05 58 59 Ĵ03 25 26 27 28 29 30 31 32 I43258143 J04 58177 G01 143258144 G 58178 J05 143258145 61 G03 258179 J06 62 63 143258146 258180 J07 143258147 H01 143258181 J08 64 65 258148 143 258182 J09 H02 143258149 H₀3 143258183 JĬŎ /20 66 67 JC01 JC02 143258150 H04 143258184 20 H05 143258185 20 34 143258152 H06 143258186 K01 68

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource-Sumter,SC.

Truss Design Engineer's Name: Sevier, Scott

My license renewal date for the state of North Carolina is December 31, 2020.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

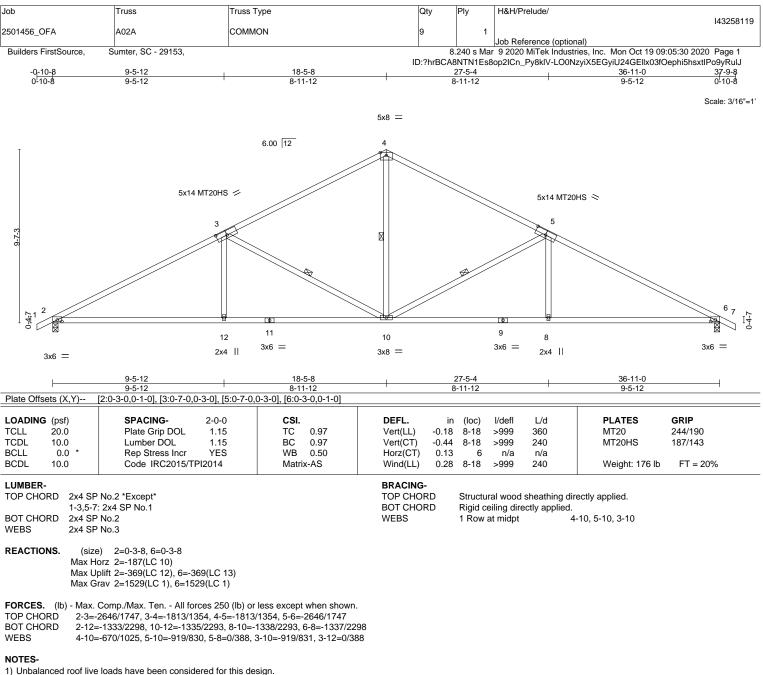




RE: 2501456_OFA - H&H/Prelude/

Trenco 818 Soundside Rd Edenton, NC 27932

No.	Seal#	Truss Name	Date
69	143258187	K02	10/21/20
70 71	l43258188 l43258189	L01 L02	10/21/20
72	43258190	Ē03	10/21/20
73 74	143258191	M01	10/21/20
74 75	I43258192 I43258193	M02 M03	10/21/20
76	43258194	M04	10/21/20
77	143258195	M05	10/21/20
78 79	l43258196 l43258197	M06 M07	10/21/20
80	143258198	M08	10/21/20
81 82	l43258199 l43258200	PB01 PB02	10/21/20
83	143258200	PB03	10/21/20 10/21/20



 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) All plates are MT20 plates unless otherwise indicated.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

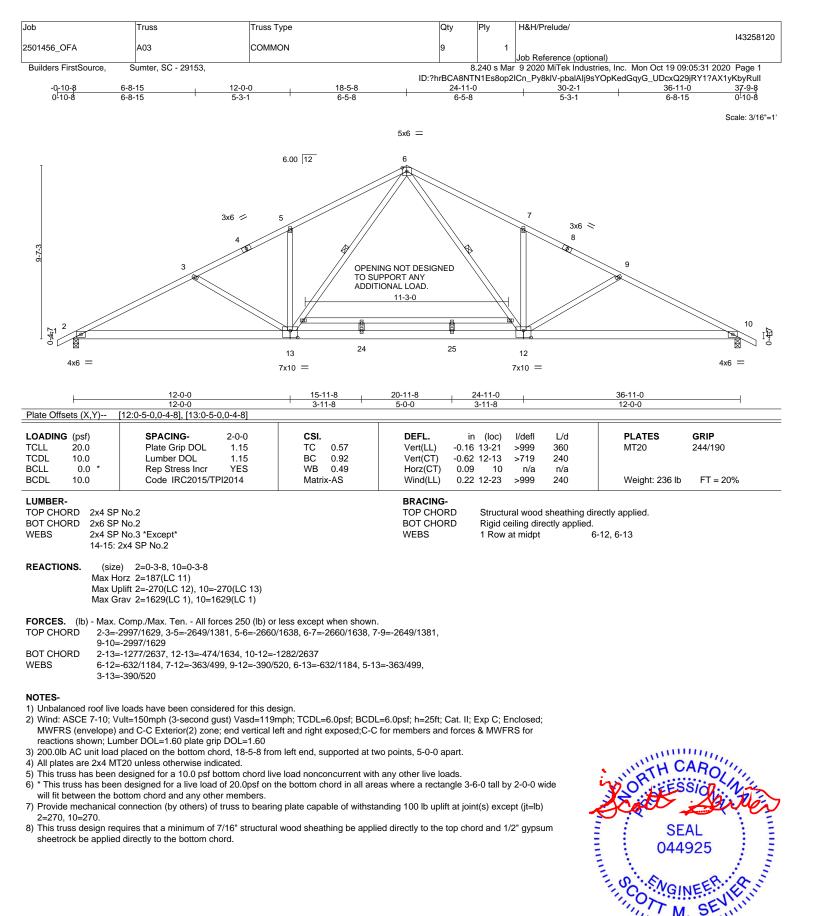
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=369, 6=369.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



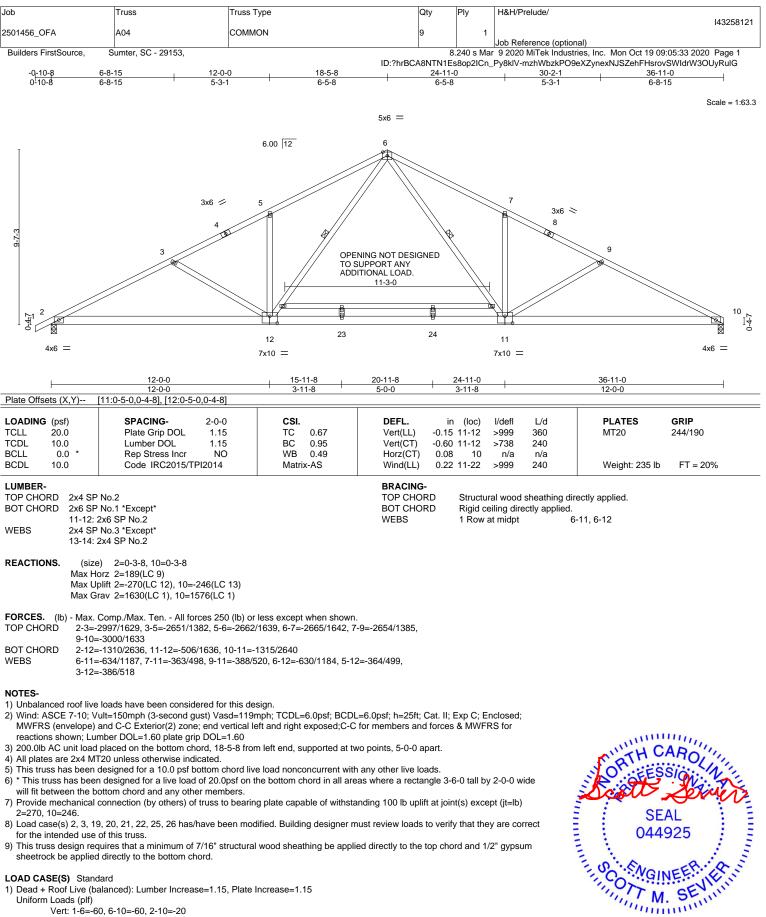
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





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Vert: 1-6=-60, 6-10=-60, 2-10=-20

Continued on page 2

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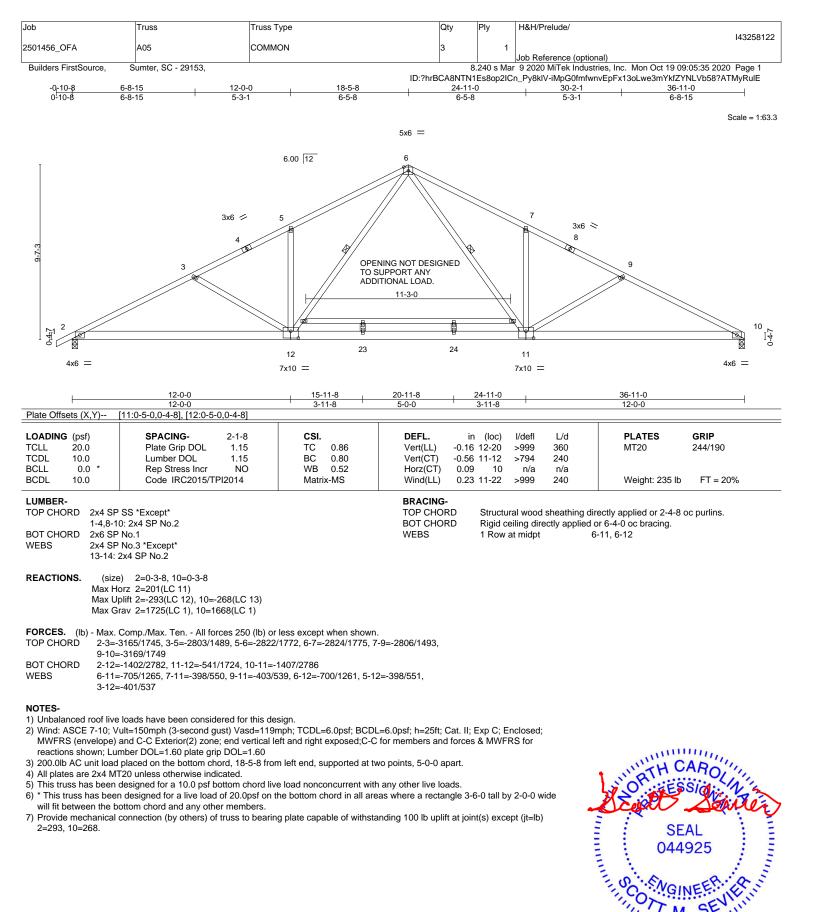
818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/	140050404
2501456_OFA	A04	COMMON	9	1		143258121
		e e marteri e e e e e e e e e e e e e e e e e e			Job Reference (optional)	
Builders FirstSource,	Sumter, SC - 29153,				ar 9 2020 MiTek Industries, Inc. Mon	
			ID:?hrBCA8NTN	1Es8op2ICn_	_Py8klV-mzhWbzkPO9eXZynexNJSZ	ehFHsrovSWIdrW3OUyRulG
LOAD CASE(S) Stand	dard					
Concentrated Loads						
Vert: 23=-10	00 24=-100					
,	ve (balanced) + 0.75 Ur	ninhab. Attic Storage: Lumber Increase	=1.15, Plate Increase=1.	15		
Uniform Loads (plf)						
	50, 6-10=-50, 2-10=-20					
Concentrated Loads Vert: 23=-10						
		: Lumber Increase=1.25, Plate Increas	e=1 25			
Uniform Loads (plf)	ie / the finaleur etclage		0 1120			
	20, 6-10=-20, 2-10=-40					
Concentrated Loads	; (lb)					
Vert: 23=-10						
		ab. Attic Storage + 0.75(0.6 MWFRS W	/ind (Neg. Int) Left): Lumb	per Increase	e=1.60, Plate Increase=1.60	
Uniform Loads (plf)		2.40, 20				
	-46, 2-6=-53, 6-10=-39, -4, 2-6=3, 6-10=11	2-10=-20				
Concentrated Load	, ,					
	100 24=-100					
		ab. Attic Storage + 0.75(0.6 MWFRS W	/ind (Neg. Int) Right): Lun	nber Increas	se=1.60, Plate Increase=1.60	
Uniform Loads (plf))					
	-31, 2-6=-39, 6-10=-53,	2-10=-20				
	-19, 2-6=-11, 6-10=-3					
Concentrated Load						
	100 24=-100 Live (bal.) + 0 75 Uninb(ab. Attic Storage + 0.75(0.6 MWFRS W	/ind (Neg. Int) 1st Paralle	I): Lumber li	ncrease-1.60. Plate Increase-1.60	
Uniform Loads (plf)		ab. Allic Slorage + 0.75(0.0 MWI 113 M	ninu (neg. int) ist i aralle	i). Lumber ii	nciease=1.00, 1 late increase=1.00	
· · · · · · · · · · · · · · · · · · ·	, -21, 2-6=-29, 6-10=-42,	2-10=-20				
	-29, 2-6=-21, 6-10=8					
Concentrated Load	ls (lb)					
	100 24=-100					
,	()	ab. Attic Storage + 0.75(0.6 MWFRS W	/ind (Neg. Int) 2nd Paralle	el): Lumber I	Increase=1.60, Plate Increase=1.60)
Uniform Loads (plf)		2.40, 20				
	-35, 2-6=-42, 6-10=-29, -15, 2-6=-8, 6-10=21	2-10=-20				
Concentrated Load	, ,					
	100 24=-100					
25) 3rd Dead + 0.75 R	oof Live (unbalanced) +	0.75 Uninhab. Attic Storage: Lumber I	ncrease=1.15, Plate Incre	ease=1.15		
Uniform Loads (plf)						
	-50, 6-10=-20, 2-10=-20)				
Concentrated Load						
	100 24=-100	0.75 Uninhab. Attic Storage: Lumber I	ncrease-1 15 Plate Incr	200-1 15		
Uniform Loads (plf)		0.75 Onininab. Alle Storage. Lumber i		-436-1.13		
	, -20, 6-10=-50, 2-10=-20)				
Concentrated Load						
Vert: 23=-	100 24=-100					

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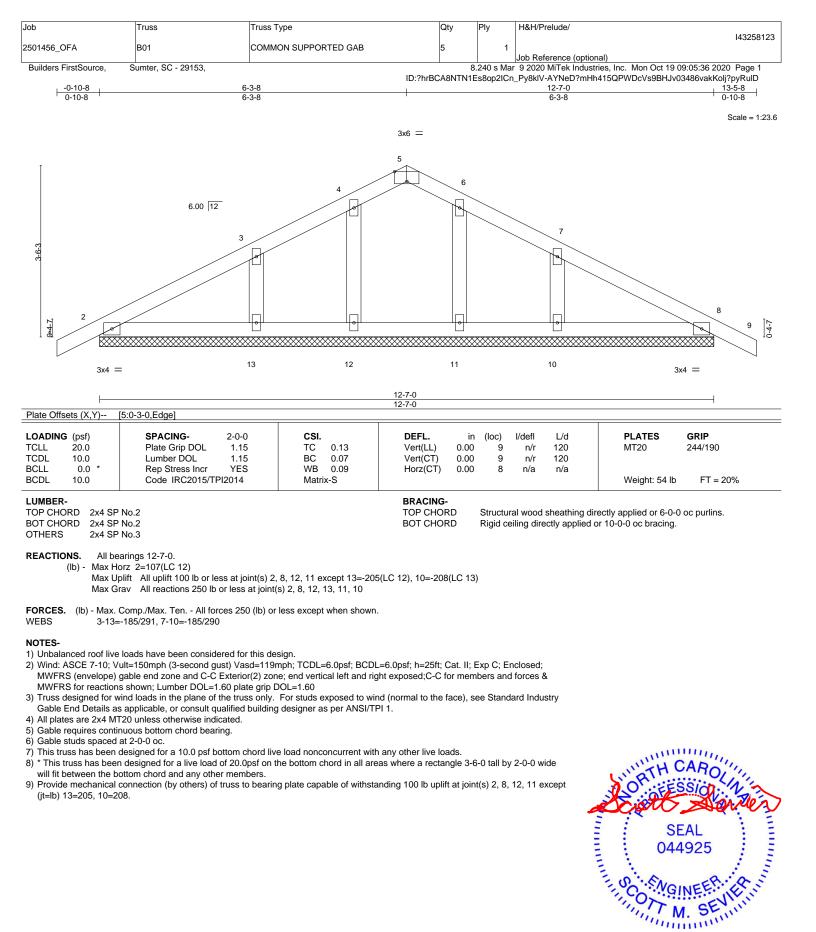




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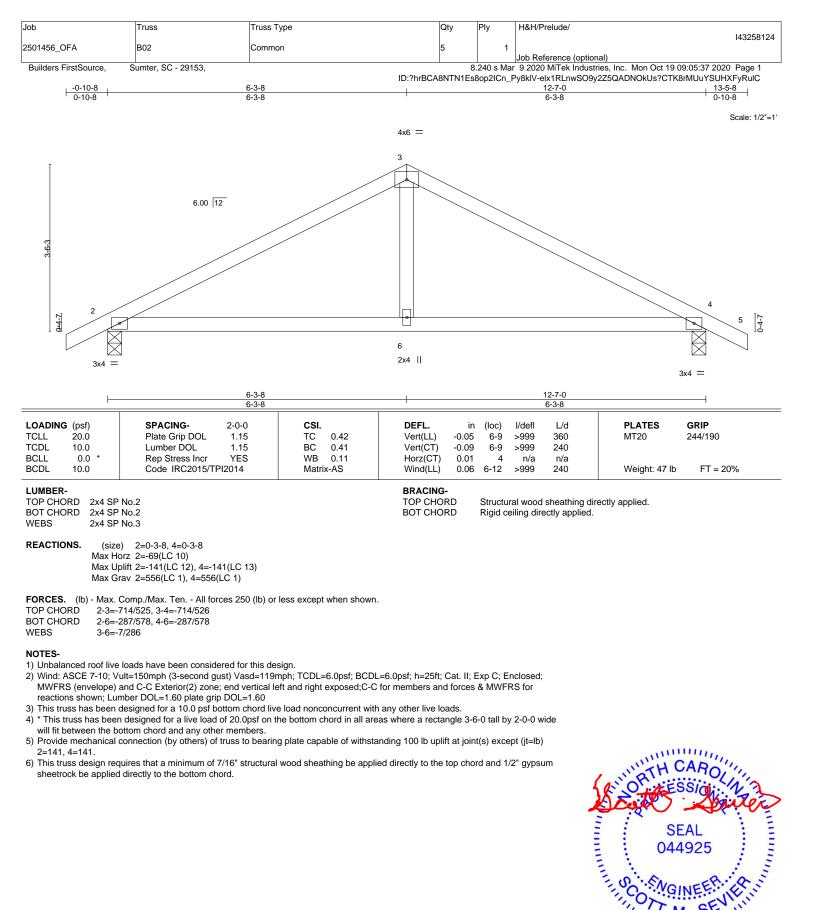
TREERING BY REENCO AMITEK Affiliate 818 Soundside Road

Edenton, NC 27932



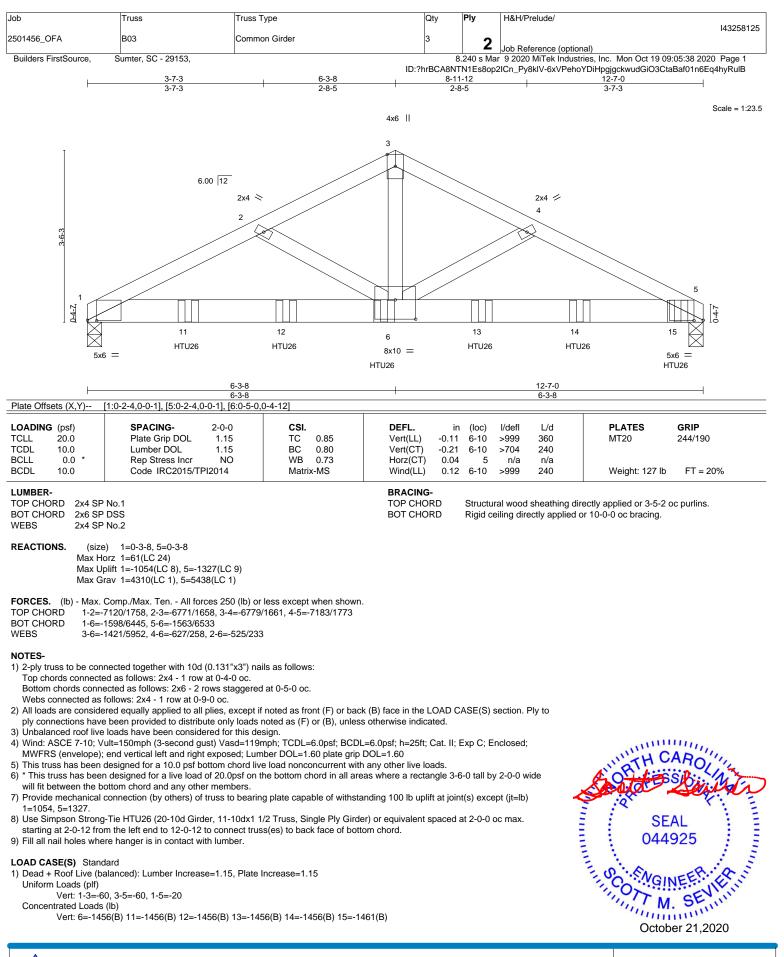
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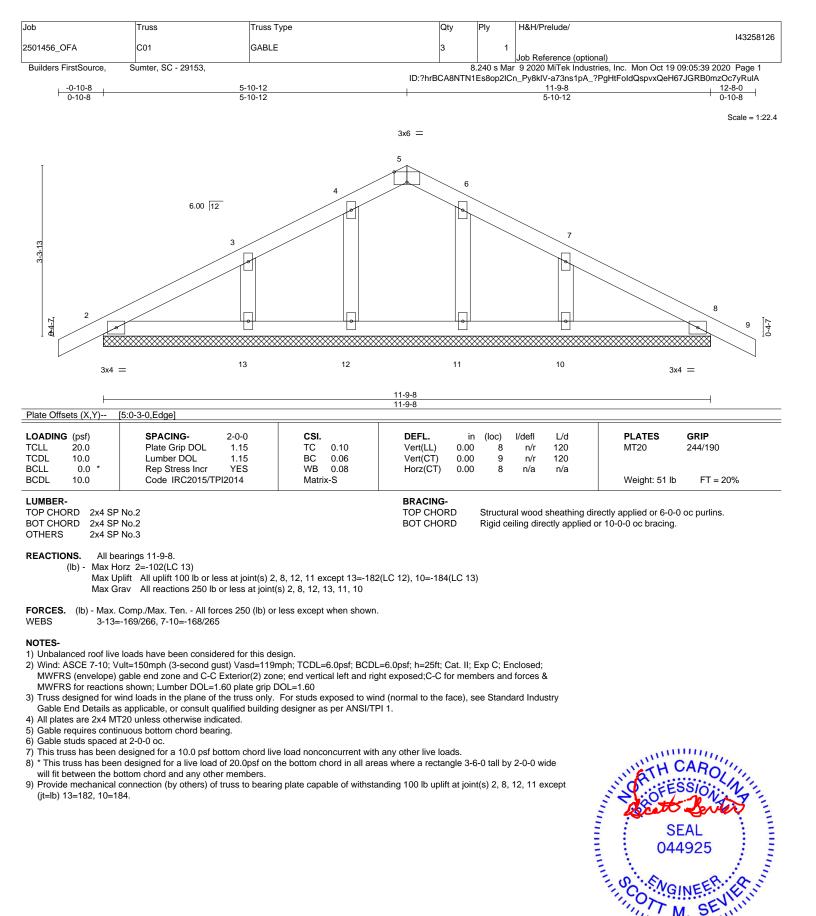
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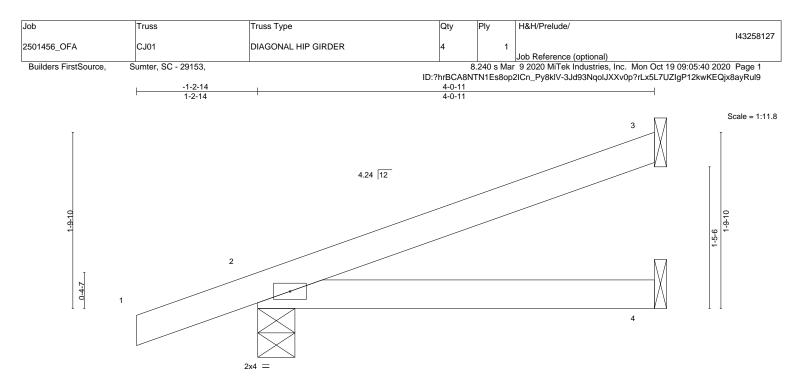
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Edenton, NC 27932



	4-0-11 4-0-11					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO	CSI. TC 0.24 BC 0.20 WB 0.00	DEFL. in (loc) I/defl L/d Vert(LL) -0.01 4-7 >999 360 Vert(CT) -0.02 4-7 >999 240 Horz(CT) -0.00 3 n/a n/a	PLATES GRIP MT20 244/190		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.02 4-7 >999 240	Weight: 15 lb FT = 20%		

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

REACTIONS. 3=Mechanical, 2=0-4-9, 4=Mechanical (size)

Max Horz 2=100(LC 8)

Max Uplift 3=-63(LC 12), 2=-122(LC 8)

Max Grav 3=100(LC 1), 2=246(LC 1), 4=70(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Refer to girder(s) for truss to truss connections.

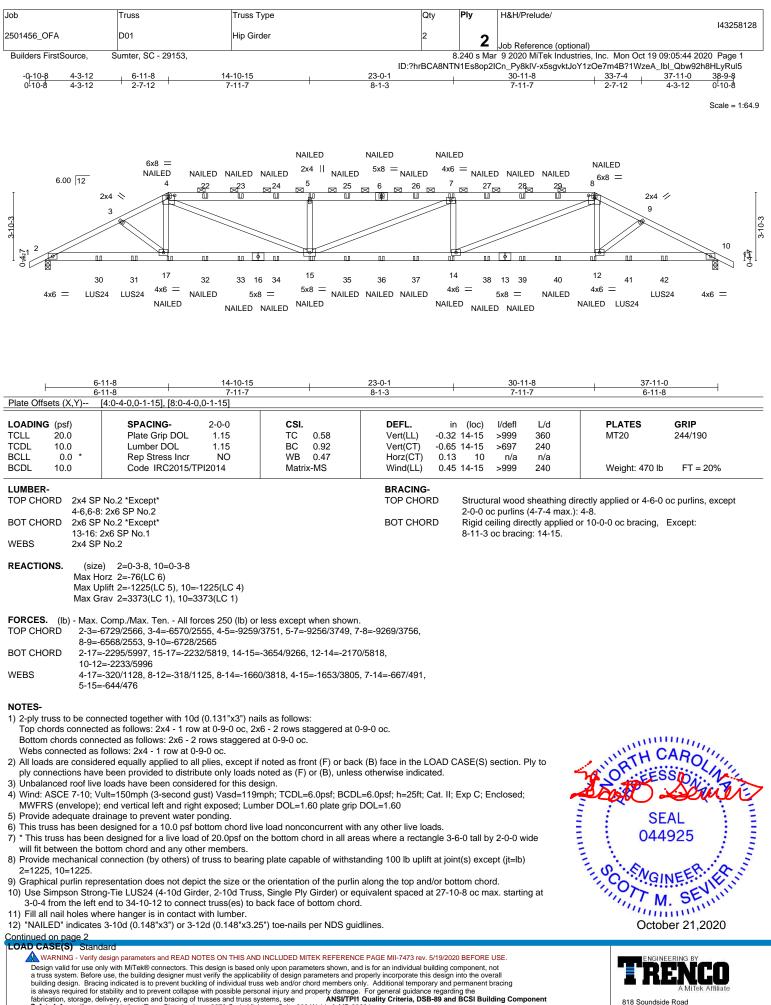
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=122.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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- BOT CHORD
- Rigid ceiling directly applied.
- BRACING-TOP CHORD
- Structural wood sheathing directly applied.



Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/
2501456 OFA	D01	Hip Girder	2	-	143258128
2501450_OFA			2	2	Job Reference (optional)
Builders FirstSource,	Sumter, SC - 29153,		. 8	.240 s Mai	9 2020 MiTek Industries, Inc. Mon Oct 19 09:05:44 2020 Page 2

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Oct 19 09:05:44 2020 Page 2 ID:?hrBCA8NTN1Es8op2ICn_Py8kIV-x5sgvktJoY1zOe7m4B?1WzeA_Ibl_Qbw92h8HLyRul5

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

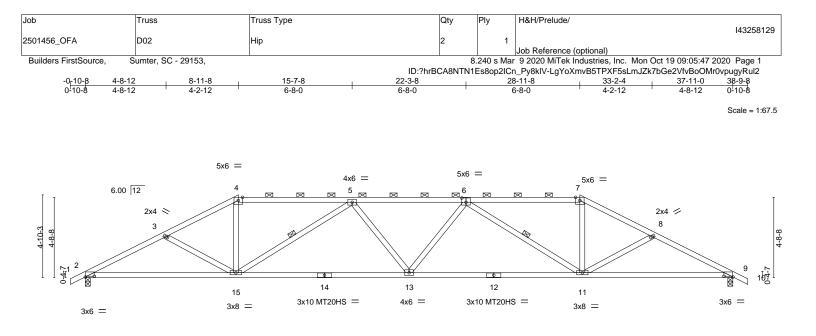
Uniform Loads (plf) Vert: 1-4=-60, 4-8=-60, 8-11=-60, 2-10=-20

Concentrated Loads (lb)

Vert: 4=-17(B) 6=-17(B) 8=-17(B) 17=-175(B) 12=-175(B) 14=-175(B) 15=-175(B) 7=-17(B) 5=-17(B) 22=-17(B) 23=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 27=-17(B) 28=-17(B) 29=-17(B) 30=-298(B) 31=-255(B) 32=-175(B) 33=-175(B) 34=-175(B) 35=-175(B) 36=-175(B) 36=-175(B) 38=-175(B) 39=-175(B) 40=-175(B) 41=-255(B) 42=-298(B)

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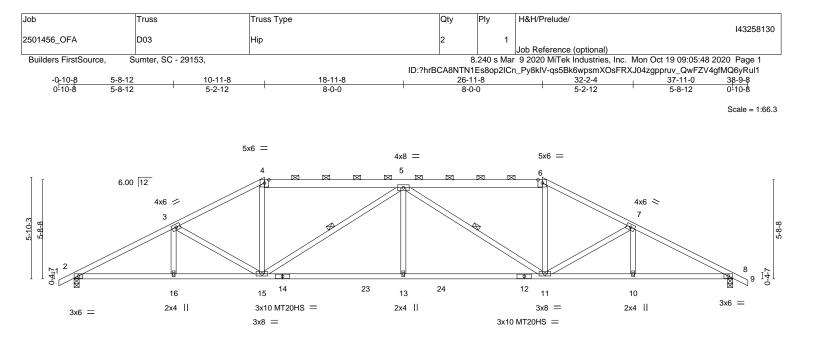
 	8-11-8 8-11-8	<u>18-11-8</u> 10-0-0		<u>28-11-8</u> 10-0-0	<u> </u>		
Plate Offsets (X,Y)	[2:0-6-4,0-0-8], [6:0-3-0,0-3-0], [9:0-6-4,			10-0-0	0-11-0		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.65 BC 0.83 WB 0.40 Matrix-AS	DEFL. ir Vert(LL) -0.24 Vert(CT) -0.57 Horz(CT) 0.15 Wind(LL) 0.30	4 13 >999 360 7 11-13 >793 240 5 9 n/a n/a	PLATES MT20 MT20HS Weight: 184 lb	GRIP 244/190 187/143 FT = 20%	
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.1 WEBS 2x4 SP No.3 BRACING- TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.3 REACTIONS. (size) 2=0-3-8, 9=0-3-8 Max Horz 2=-94(LC 10) Max Uplift 2=-326(LC 9), 9=-326(LC 8) Max Grav 2=1569(LC 1), 9=1569(LC 1)							
TOP CHORD 2-3=- 7-8=- BOT CHORD 2-15= WEBS 3-15=	7-8=-2701/1689, 8-9=-2937/1860 BOT CHORD 2-15=-1517/2581, 13-15=-1761/3185, 11-13=-1762/3185, 9-11=-1526/2581						
 2) Wind: ASCE 7-10; V MWFRS (envelope) reactions shown; Lu 3) Provide adequate dr 4) All plates are MT20 5) This truss has been 6) * This truss has bee will fit between the b 7) Provide mechanical 2=326, 9=326. 8) This truss design red sheetrock be applied 	e loads have been considered for this de (ult=150mph (3-second gust) Vasd=119) and C-C Exterior(2) zone; end vertical l mber DOL=1.60 plate grip DOL=1.60 rainage to prevent water ponding. plates unless otherwise indicated. designed for a 10.0 psf bottom chord liv n designed for a live load of 20.0psf on to tottom chord and any other members. connection (by others) of truss to bearing quires that a minimum of 7/16" structura d directly to the bottom chord. resentation does not depict the size or the tottom chord and so the size or the size or the size of the size or the size	mph; TCDL=6.0psf; BCDL eft and right exposed;C-C re load nonconcurrent with the bottom chord in all are ng plate capable of withsta I wood sheathing be appli	for members and forces any other live loads. as where a rectangle 3- anding 100 lb uplift at join ed directly to the top cho	s & MWFRS for 6-0 tall by 2-0-0 wide nt(s) except (jt=lb) ord and 1/2" gypsum	SE	AROLIN	

urlin along ct the size or the orientation of the



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	5-8-12 5-8-12		11-8 -12		3-11-8 3-0-0		26-11-8 8-0-0			32-2-4 5-2-12		
OADING (psf) CLL 20.0	SPAC	I NG- Grip DOL	2-0-0 1.15	CSI. TC	0.52	DEFL. Vert(LL)	in (le -0.20	,	l/defl >999	L/d 360	PLATES MT20	GRIP 244/190
CDL 10.0 CLL 0.0 *	Lumbe	er DOL tress Incr	1.15 YES	BC	0.87	Vert(CT) Horz(CT)	-0.44 13- 0.16		>999 n/a	240 n/a	MT20HS	187/143
BCDL 10.0		IRC2015/TI	. = •	Matri		Wind(LL)	0.25	-	>999	240	Weight: 208 lb	FT = 20%
						BRACING						

TOP CHORD

BOT CHORD

WEBS

Structural wood sheathing directly applied, except

5-15, 5-11

2-0-0 oc purlins (4-7-1 max.): 4-6.

Rigid ceiling directly applied.

1 Row at midpt

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-6: 2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3

REACTIONS. (size) 2=0-3-8, 8=0-3-8 Max Horz 2=-113(LC 10) Max Uplift 2=-307(LC 12), 8=-307(LC 13) Max Grav 2=1569(LC 1), 8=1569(LC 1)

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

- TOP CHORD
 2-3=-2929/1834, 3-4=-2520/1645, 4-5=-2192/1549, 5-6=-2192/1549, 6-7=-2520/1645, 7-8=-2929/1833

 BOT CHORD
 2-16=-1477/2560, 15-16=-1477/2560, 13-15=-1464/2776, 11-13=-1464/2776,
- WEBS 3-15=-415/423, 4-15=-364/733, 7-11=-415/423
- NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) All plates are MT20 plates unless otherwise indicated.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=307, 8=307.

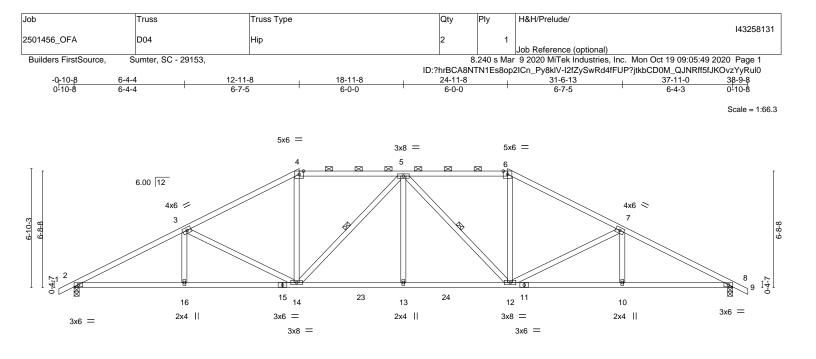
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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		6-4-4 6-4-4	<u>12-11-8</u> 6-7-5	<u>18-11-8</u> 6-0-0	<u>24-11-8</u> 6-0-0	31-6-13	<u> </u>
	(psf)	SPACING	- 2-0-0	CSI.	DEFL. in (loc)	l/defl L/d	PLATES GRIP
TCLL TCDL BCLL	20.0 10.0 0.0 *	Plate Grip Lumber D Rep Stres	OL 1.15	TC 0.66 BC 0.70 WB 0.58	Vert(LL) -0.17 13 Vert(CT) -0.36 13-14 Horz(CT) 0.15 8	>999 240	MT20 244/190
BCDL	10.0	Code IRC	2015/TPI2014	Matrix-AS	Wind(LL) 0.22 13	>999 240	Weight: 203 lb FT = 20%
LUMBER- TOP CHO		No.2			BRACING- TOP CHORD Struct	ural wood sheathing directly	y applied, except

BOT CHORD

WEBS

2-0-0 oc purlins (3-8-15 max.): 4-6.

5-14, 5-12

Rigid ceiling directly applied.

1 Row at midpt

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

WEBS 2x4 SP No.3

REACTIONS. 2=0-3-8, 8=0-3-8 (size) Max Horz 2=-132(LC 10) Max Uplift 2=-328(LC 12), 8=-328(LC 13) Max Grav 2=1569(LC 1), 8=1569(LC 1)

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

- 2-3=-2921/1849, 3-4=-2359/1578, 4-5=-2025/1509, 5-6=-2025/1509, 6-7=-2359/1578, TOP CHORD 7-8=-2921/1849 BOT CHORD 2-16=-1485/2551, 14-16=-1485/2551, 13-14=-1135/2273, 12-13=-1135/2273,
- 10-12=-1493/2551, 8-10=-1493/2551
- WEBS 3-16=0/256, 3-14=-581/554, 4-14=-323/657, 5-14=-508/212, 5-13=0/294, 5-12=-508/212, 6-12=-323/657, 7-12=-581/554, 7-10=0/256

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=328, 8=328.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

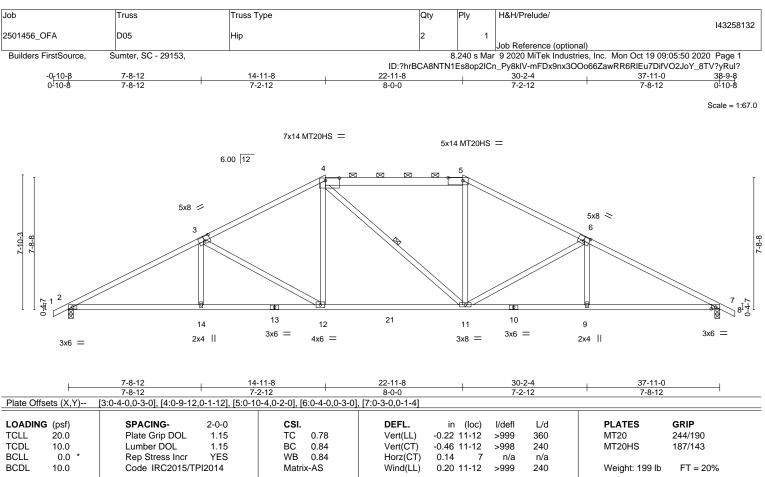


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 Satisfies
 Ansi/TPH Qu

 Safety Information
 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



LUMBER-		BRACING-	L.
TOP CHORD	2x4 SP No.2 *Except*	TOP CHORD	Structural wood sheathing directly applied, except
	4-5: 2x6 SP No.2		2-0-0 oc purlins (4-7-13 max.): 4-5.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 4-11

REACTIONS. (size) 2=0-3-8, 7=0-3-8 Max Horz 2=-151(LC 10) Max Uplift 2=-348(LC 12), 7=-348(LC 13) Max Grav 2=1569(LC 1), 7=1569(LC 1)

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

- TOP CHORD 2-3=-2842/1815, 3-4=-2197/1525, 4-5=-1875/1471, 5-6=-2198/1525, 6-7=-2841/1815
- BOT CHORD 2-14=-1424/2465, 12-14=-1426/2459, 11-12=-874/1874, 9-11=-1431/2459,

7-9=-1429/2464

WEBS 3-14=0/297, 3-12=-670/638, 4-12=-219/563, 5-11=-218/552, 6-11=-668/637, 6-9=0/297

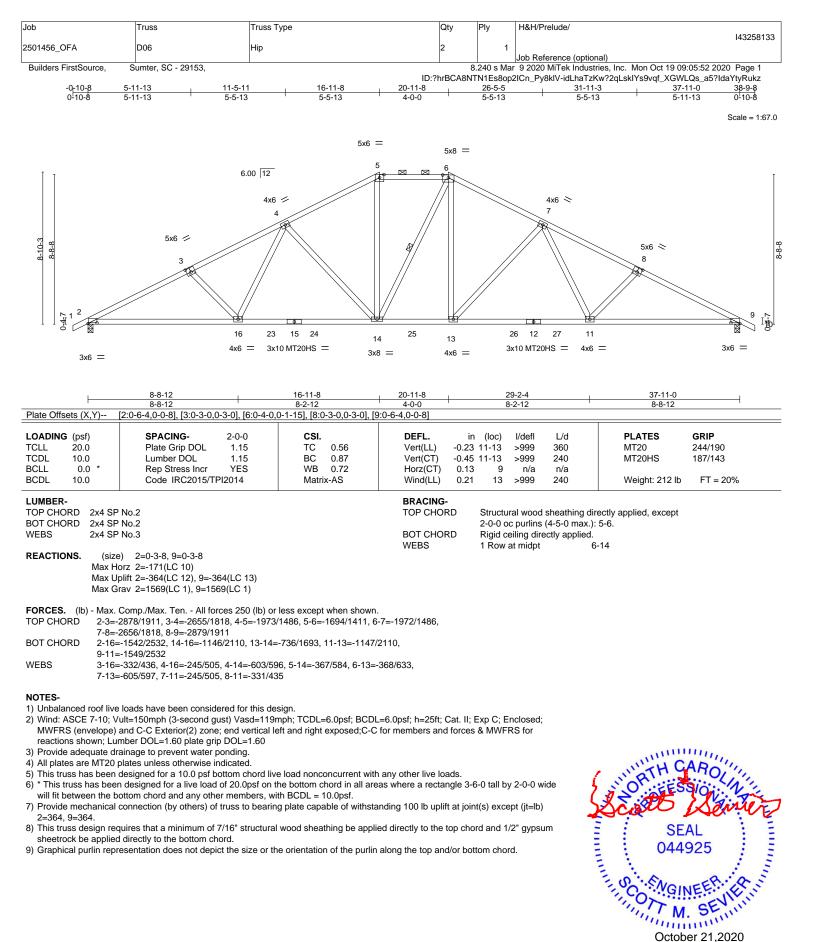
NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=348, 7=348.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



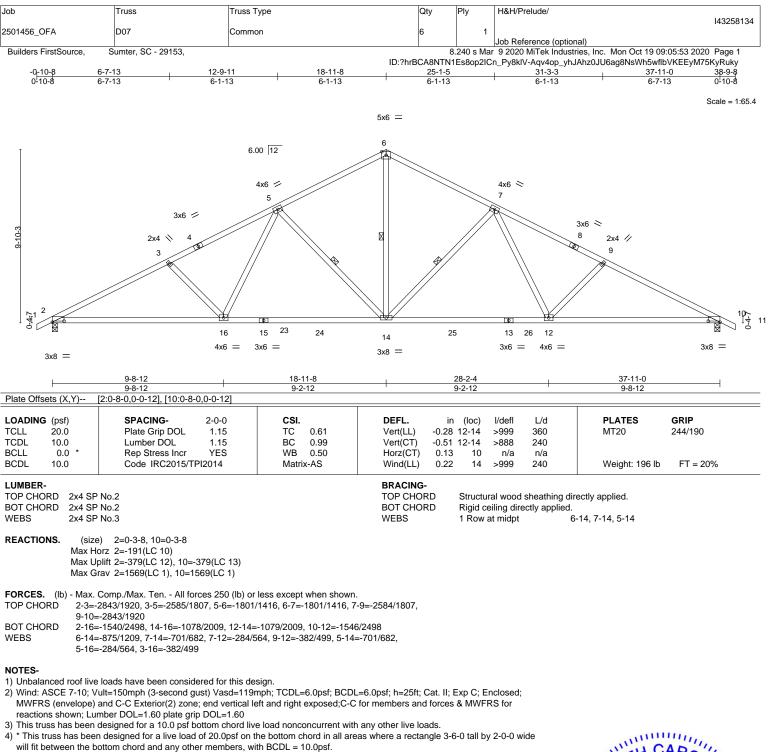
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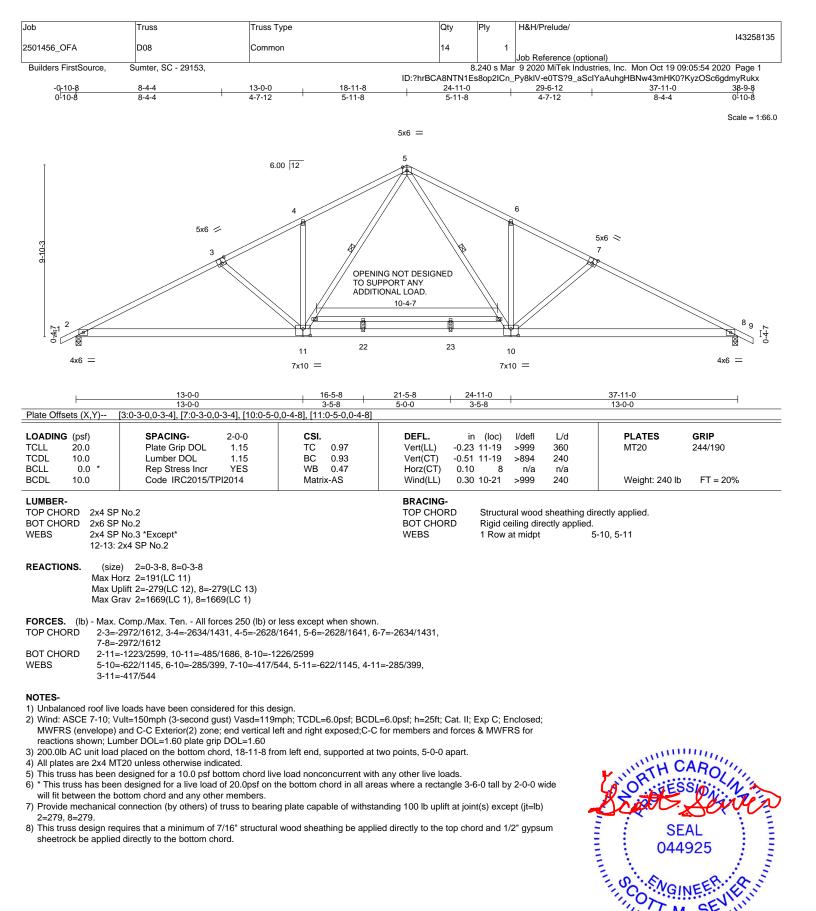
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=379, 10=379.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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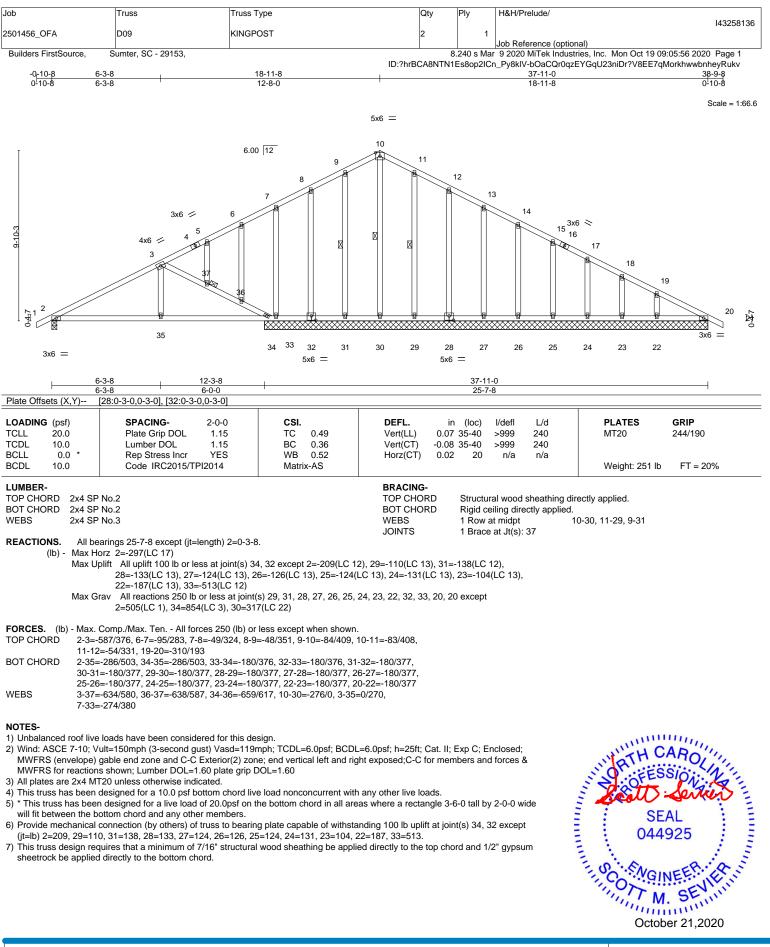






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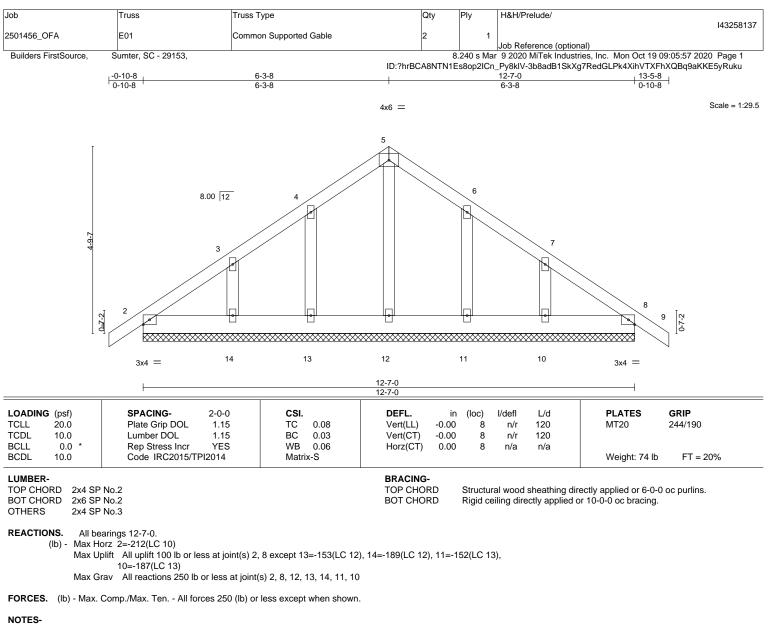
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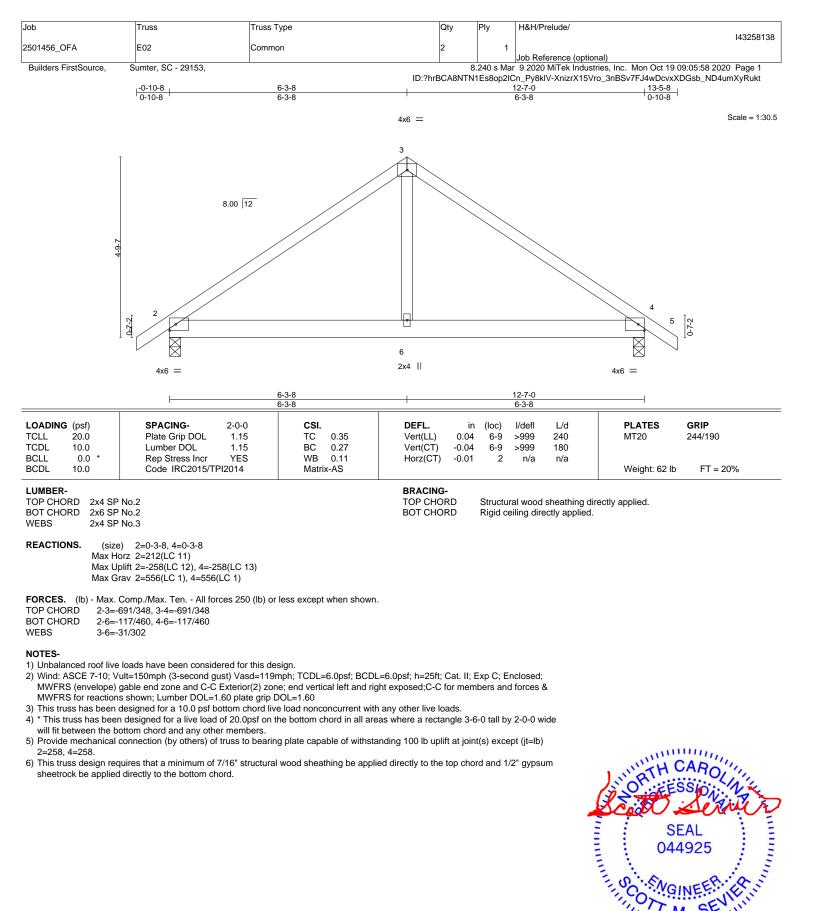


- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 13=153, 14=189, 11=152, 10=187.



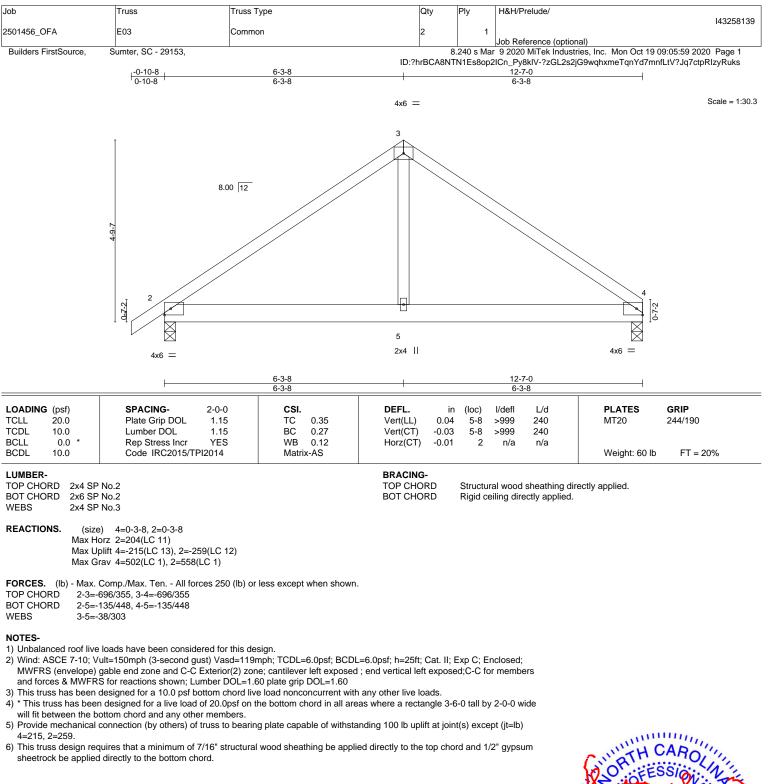
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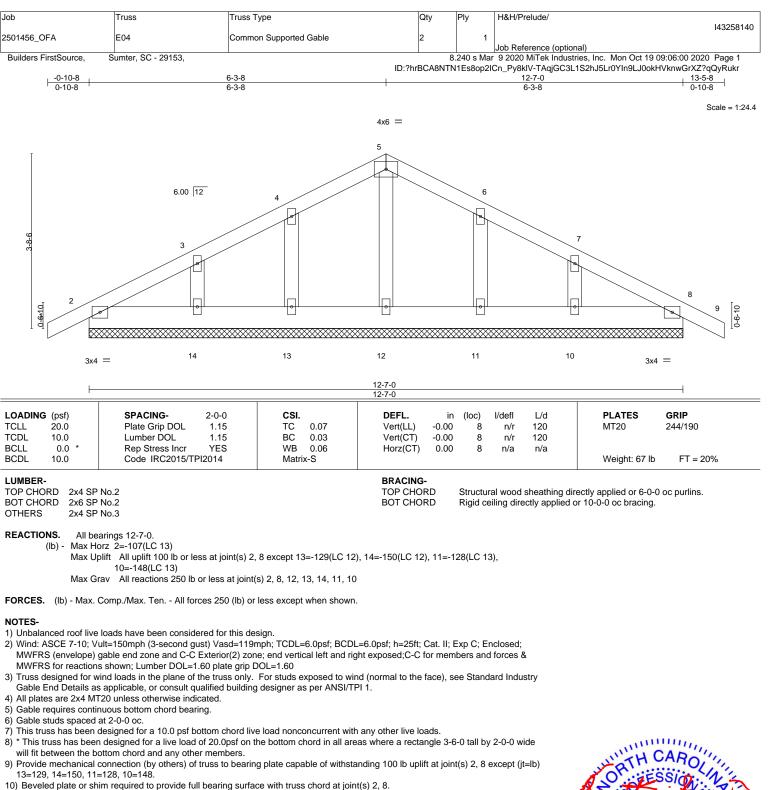






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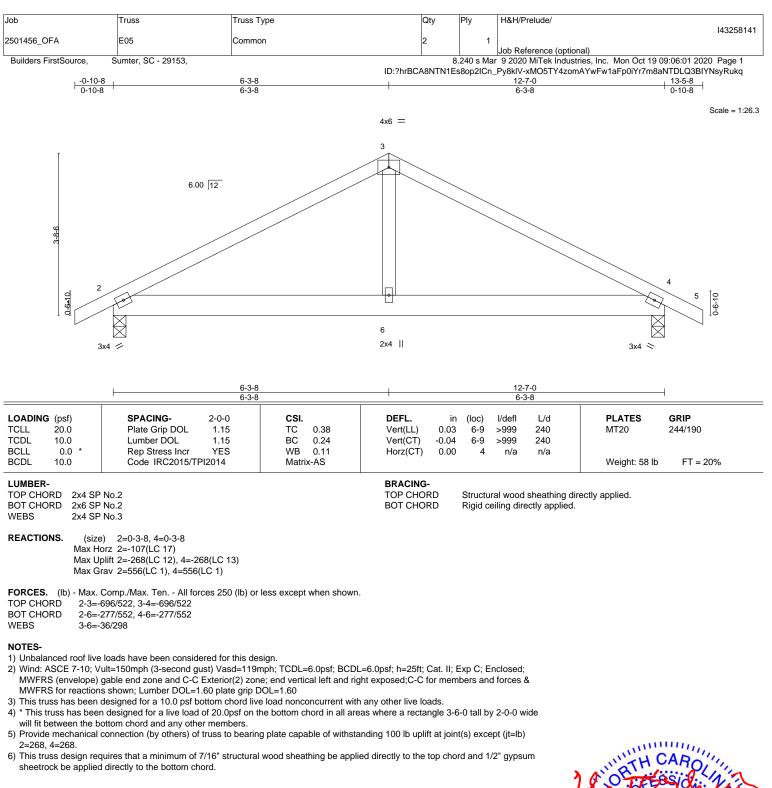






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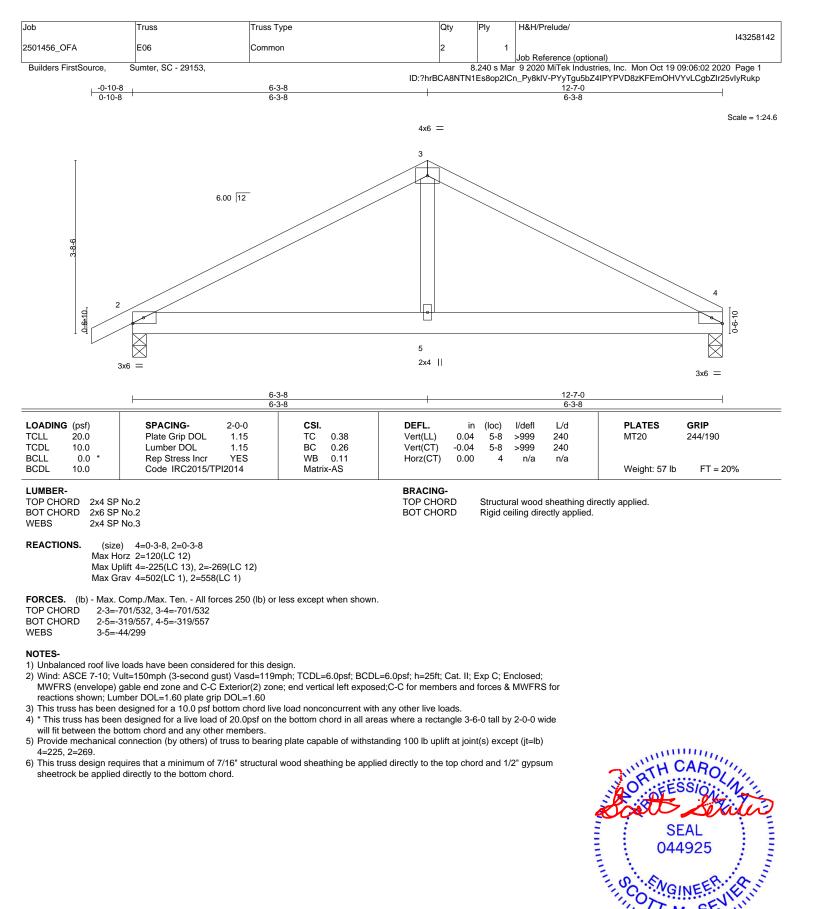






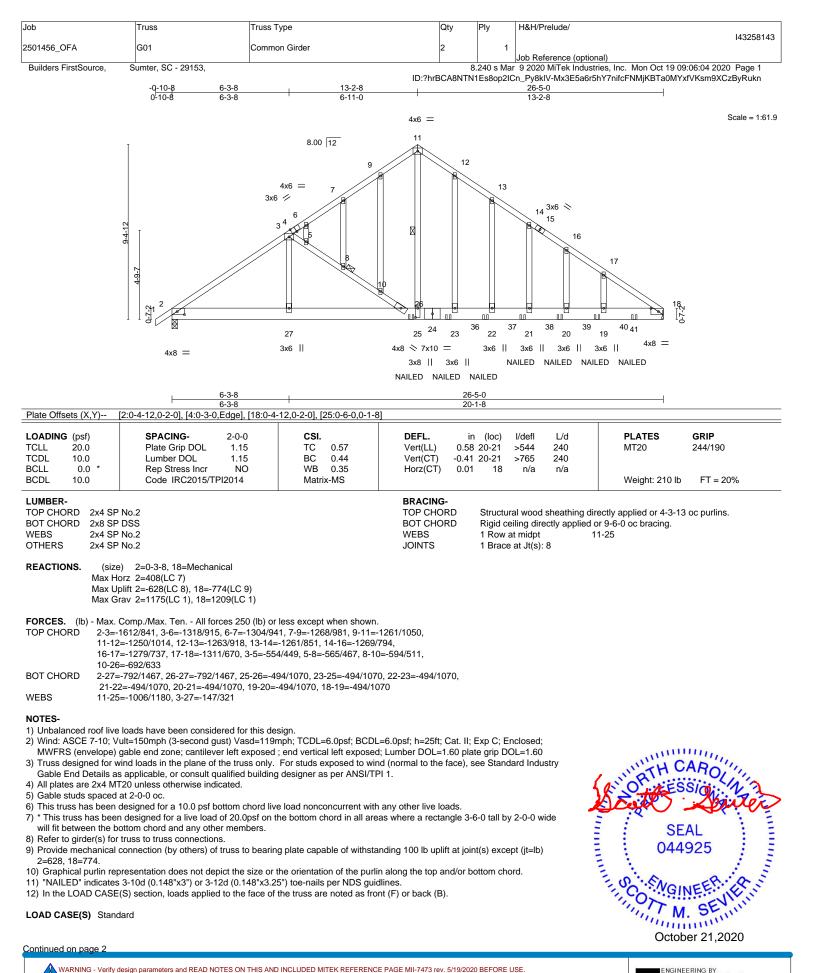
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Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/
					143258143
2501456_OFA	G01	Common Girder	2	1	
					Job Reference (optional)
Builders FirstSource,	Sumter, SC - 29153,		8	.240 s Mar	9 2020 MiTek Industries, Inc. Mon Oct 19 09:06:04 2020 Page 2

ID:?hrBCA8NTN1Es8op2ICn_Py8kIV-Mx3E5a6r5hY7nifcFNMjKBTa0MYxfVKsm9XCzByRukn

LOAD CASE(S) Standard

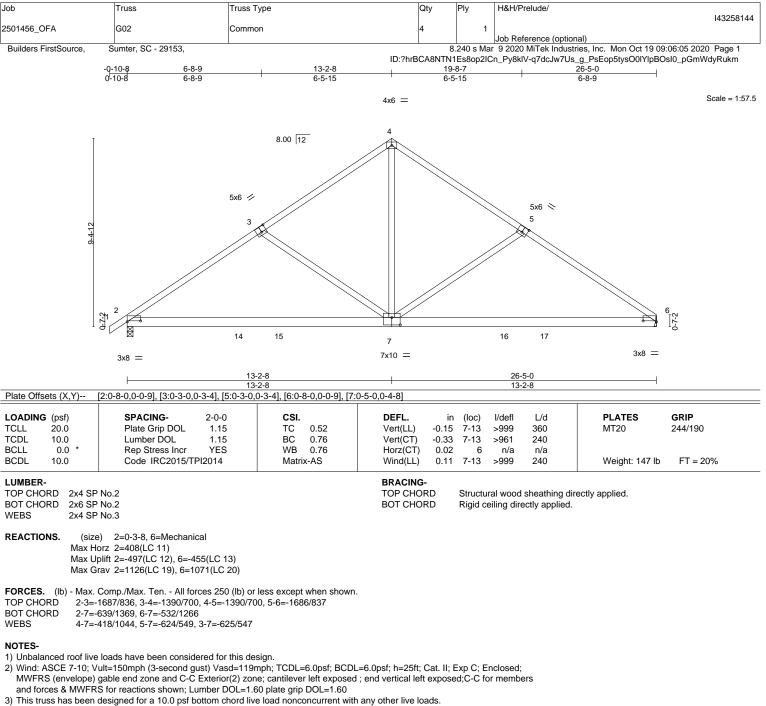
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-3=-60, 3-11=-60, 11-18=-60, 28-33=-20 Concentrated Loads (Ib)

Vert: 26=-40(F) 36=-30(F) 37=-30(F) 38=-30(F) 39=-30(F) 40=-30(F) 41=-30(F)

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4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Refer to girder(s) for truss to truss connections.

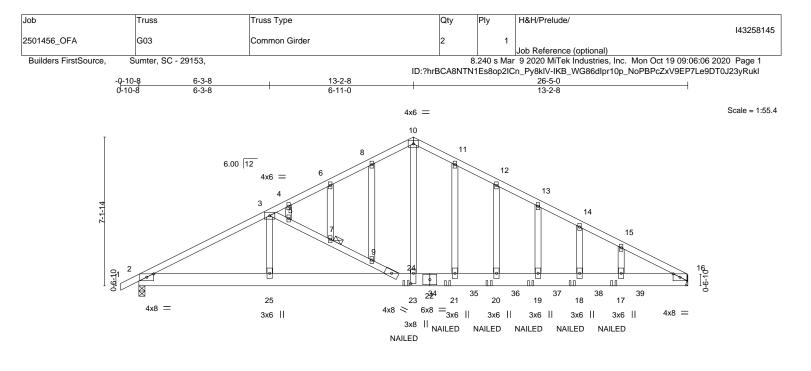
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=497, 6=455.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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	<u>6-3-8</u> 6-3-8			3-5-0)-1-8			1
Plate Offsets (X,Y)	[2:0-4-0,0-1-15], [16:0-4-0,0-1-15], [23:0	-6-0,0-1-8]					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNOCodeIRC2015/TPI2014	CSI. TC 0.51 BC 0.44 WB 0.62 Matrix-MS	Vert(LL) 0.51	n (loc) l/defl 18-19 >621 18-19 >774 16 n/a	L/d 240 240 n/a	PLATES MT20 Weight: 187 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x8 SP WEBS 2x4 SP OTHERS 2x4 SP	DSS No.2		BRACING- TOP CHORD BOT CHORD JOINTS	Structural wood s Rigid ceiling dire 1 Brace at Jt(s):	tly applied or	ttly applied or 3-11-7 9-5-5 oc bracing.	oc purlins.
Max Ho Max Up	e) 16=Mechanical, 2=0-3-8 brz 2=224(LC 8) blift 16=-715(LC 9), 2=-634(LC 8) rav 16=1163(LC 1), 2=1166(LC 1)						
TOP CHORD 2-3=- 10-11 14-15 9-24= BOT CHORD 2-25= 19-20	Comp./Max. Ten All forces 250 (lb) or 1921/1022, 3-4=-1558/992, 4-6=-1549/1 =-1521/1067, 11-12=-1526/994, 12-13= =-1540/844, 15-16=-1557/799, 3-5=-45 -555/566 -978/1652, 24-25=-978/1652, 23-24=-6 D=-665/1353, 18-19=-665/1353, 17-18= =-842/1171, 3-25=-87/279	012, 6-8=-1517/1040, 8- 1526/924, 13-14=-1533/ 2/433, 5-7=-465/448, 7-9 65/1353, 21-23=-665/135	10=-1531/1094, /884, =-492/479, 53, 20-21=-665/1353,				
 2) Wind: ASCE 7-10; Vi MWFRS (envelope) 9 3) Truss designed for w Gable End Details as 4) All plates are 2x4 MT 5) Gable studs spaced 4 6) This truss has been of 7) * This truss has been of 8) Refer to girder (s) for 9) Provide mechanical of 16=715, 2=634. 10) Graphical purlin rep 11) "NAILED" indicates 	loads have been considered for this de ult=150mph (3-second gust) Vasd=119 gable end zone; cantilever left exposed vind loads in the plane of the truss only. s applicable, or consult qualified building r20 unless otherwise indicated. at 2-0-0 oc. designed for a 10.0 psf bottom chord liv n designed for a live load of 20.0psf on t ottom chord and any other members. truss to truss connections. connection (by others) of truss to bearin presentation does not depict the size or -3-10d (0.148"x3") or 3-12d (0.148"x3.2 (S) section, loads applied to the face of	mph; TCDL=6.0psf; BCDI ; end vertical left exposed For studs exposed to wir g designer as per ANSI/TI e load nonconcurrent with he bottom chord in all are g plate capable of withsta the orientation of the purl 5") toe-nails per NDS gui	d; Lumber DOL=1.60 pla nd (normal to the face), s Pl 1. h any other live loads. eas where a rectangle 3- anding 100 lb uplift at join in along the top and/or b dlines.	ite grip DOL=1.60 see Standard Indus 6-0 tall by 2-0-0 win ht(s) except (jt=lb)	ŝ	Seatt Seatt Seatt SE 044	• • •
LOAD CASE(S) Stand	lard					Octob	SEV

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/
					143258145
2501456_OFA	G03	Common Girder	2	1	
					Job Reference (optional)
Builders FirstSource,	Sumter, SC - 29153,		8	.240 s Mar	9 2020 MiTek Industries, Inc. Mon Oct 19 09:06:06 2020 Page 2

ID:?hrBCA8NTN1Es8op2ICn_Py8kIV-IKB_WG86dIpr10p_NoPBPcZxV9EP7Le9DT0J23yRukl

LOAD CASE(S) Standard

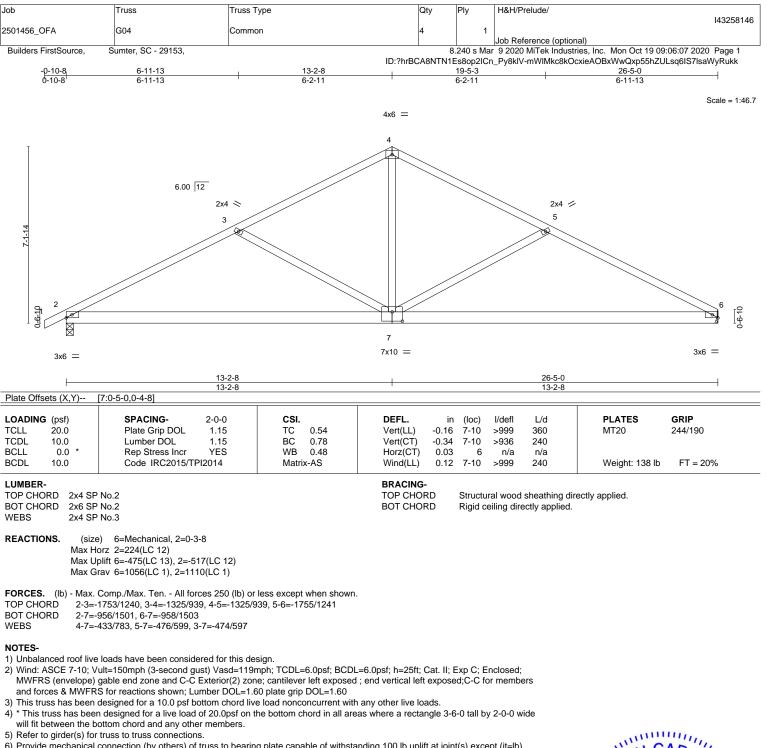
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-3=-60, 3-10=-60, 10-16=-60, 26-31=-20 Concentrated Loads (Ib)

Vert: 34=-40(F) 35=-25(F) 36=-25(F) 37=-25(F) 38=-25(F) 39=-25(F)

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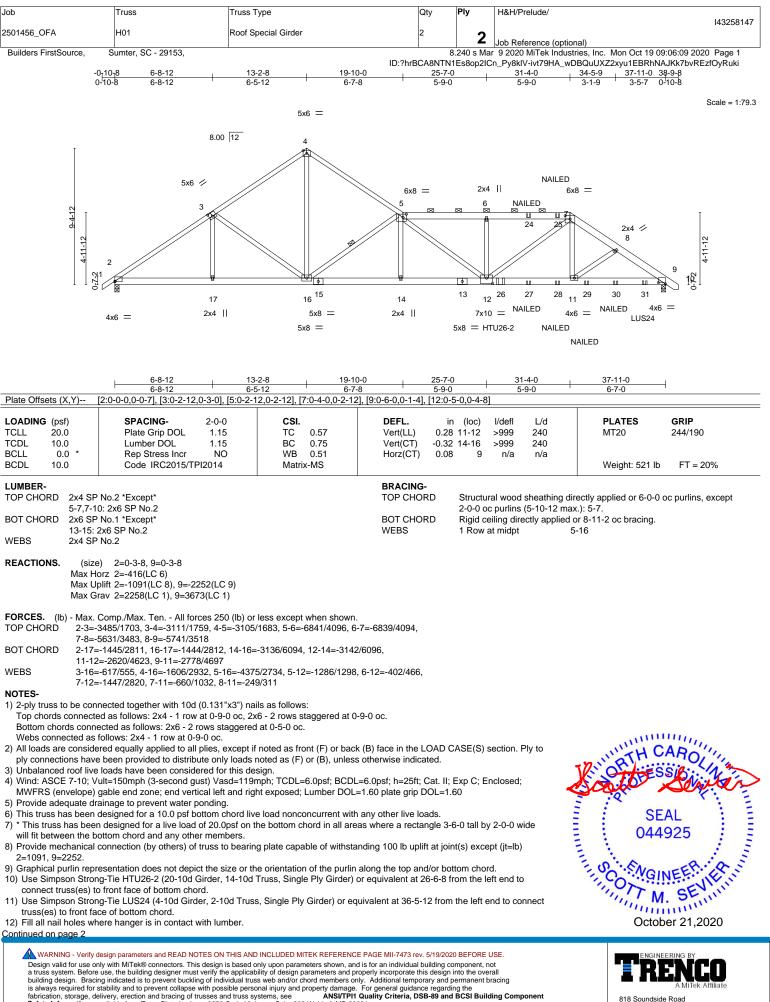
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=475, 2=517.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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 Safety Information
 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/
					143258147
2501456_OFA	H01	Roof Special Girder	2	2	
				_	Job Reference (optional)
Builders FirstSource,	Sumter, SC - 29153,			3.240 s Mai	9 2020 MiTek Industries, Inc. Mon Oct 19 09:06:09 2020 Page 2
			ID:?hrBCA8NTN	1Es8op2IC	n_Py8kIV-ivt79HA_wDBQuUXZ2xyu1EBRhNAJKk7bvREzfOyRuki

NOTES-

13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

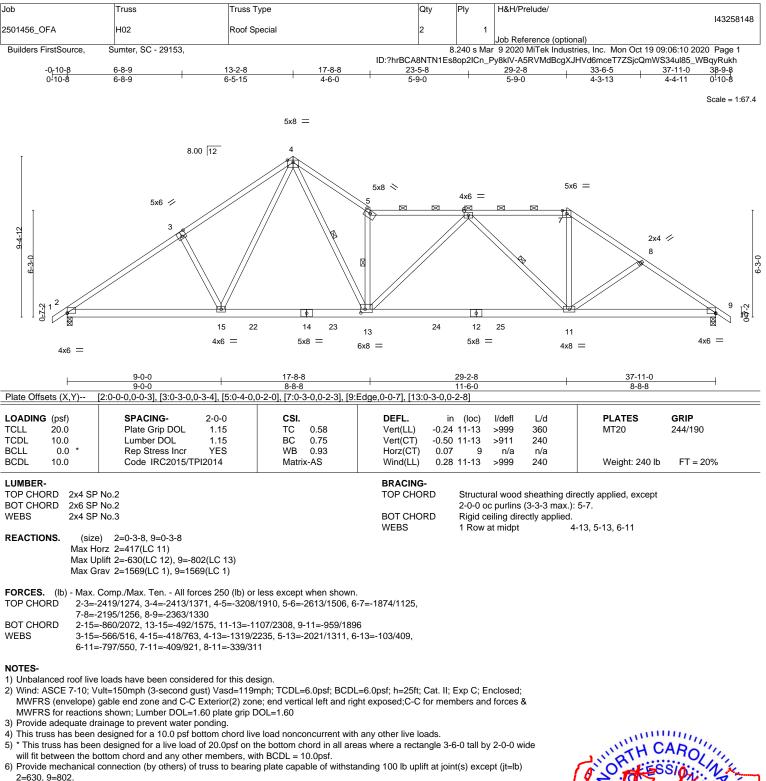
Uniform Loads (plf)

Vert: 1-4=-60, 4-5=-60, 5-7=-60, 7-10=-60, 18-21=-20

Concentrated Loads (lb) Vert: 24=-22(F) 25=-22(F) 26=-1863(F) 27=-155(F) 28=-155(F) 29=-203(F) 30=-143(F) 31=-239(F)

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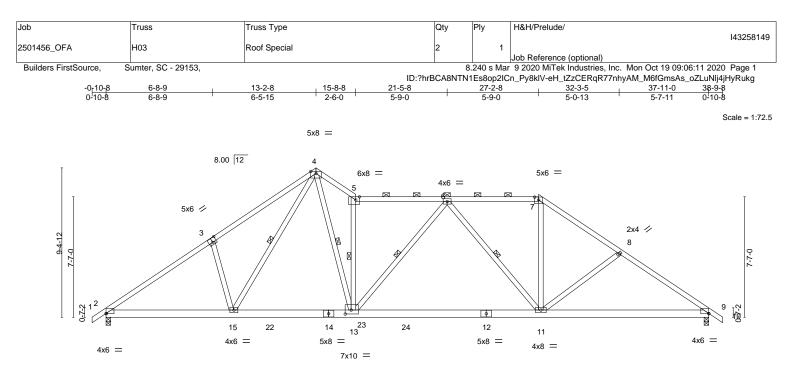


7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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	7-10-11	15-8-8	27-2-8			37-11-0		
	7-10-11	7-9-13	11-6-0	0.0.01		10-8-8		
Plate Offsets (X,Y)-	[2:0-0-0,0-0-3], [3:0-3-0,0-3-4], [5:0-2-1	1,Eagej, [7:0-3-0,0-2-3], [9:E	:age,0-0-3], [13:0-4-8	,0-3-0]				
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.60 BC 0.74 WB 0.78 Matrix-AS	Vert(LL) -0.25 Vert(CT) -0.46 Horz(CT) 0.0	n (loc) l/defl 5 11-13 >999 6 11-13 >987 7 9 n/a 1 11-13 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 248 lb	GRIP 244/190 FT = 20%	
BOT CHORD 2x6 WEBS 2x4 REACTIONS. (Ma Ma	SP No.2 SP No.2 SP No.2 Size) 2=0-3-8, 9=0-3-8 < Horz 2=-417(LC 10) < Uplift 2=-630(LC 12), 9=-802(LC 13) < Grav 2=1582(LC 19), 9=1569(LC 1)		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood 2-0-0 oc purlins Rigid ceiling dir 1 Row at midpt	(3-8-5 max.): ectly applied.	rectly applied, except 5-7. I-13, 5-13, 6-13, 6-11, 4	4-15	
FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-2392/1272, 3-4=-2502/1466, 4-5=-2572/1582, 5-6=-2128/1280, 6-7=-1812/1111, 7-8=-2115/1228, 8-9=-2324/1316 BOT CHORD 2-15=-860/2092, 13-15=-492/1612, 11-13=-865/1963, 9-11=-919/1851 WEBS 3-15=-591/537, 4-13=-1072/1894, 5-13=-1575/1062, 7-11=-383/863, 6-13=-142/252, 6-11=-557/433, 8-11=-460/404, 4-15=-523/836								
NOTES- 1) Unbalanced roof	live loads have been considered for this de	sign.						

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces &

MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=630, 9=802.

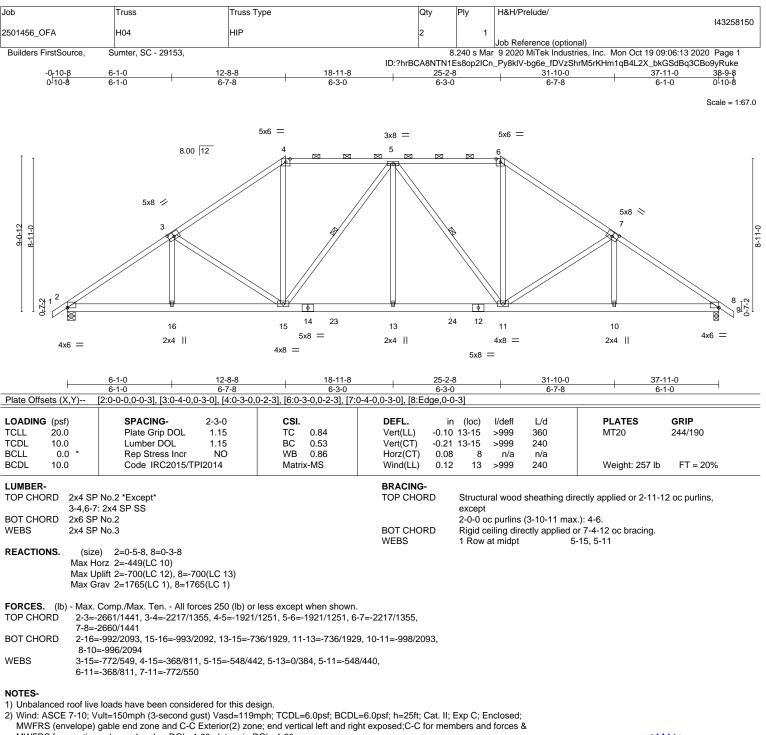
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

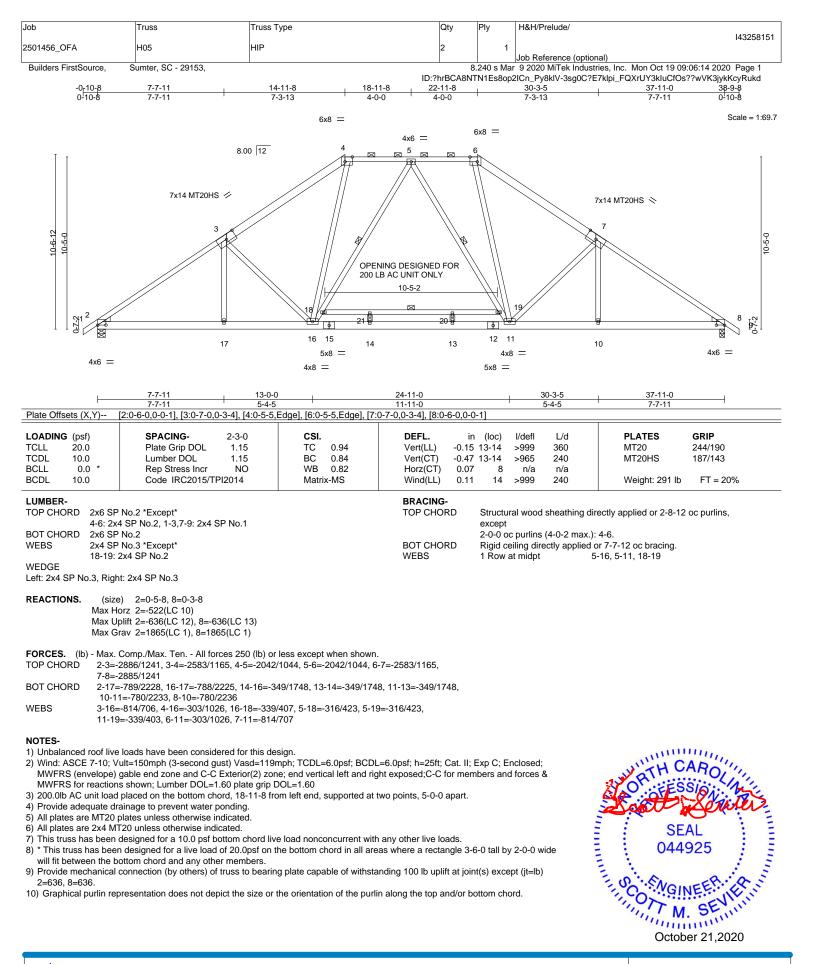
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=700, 8=700.

7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



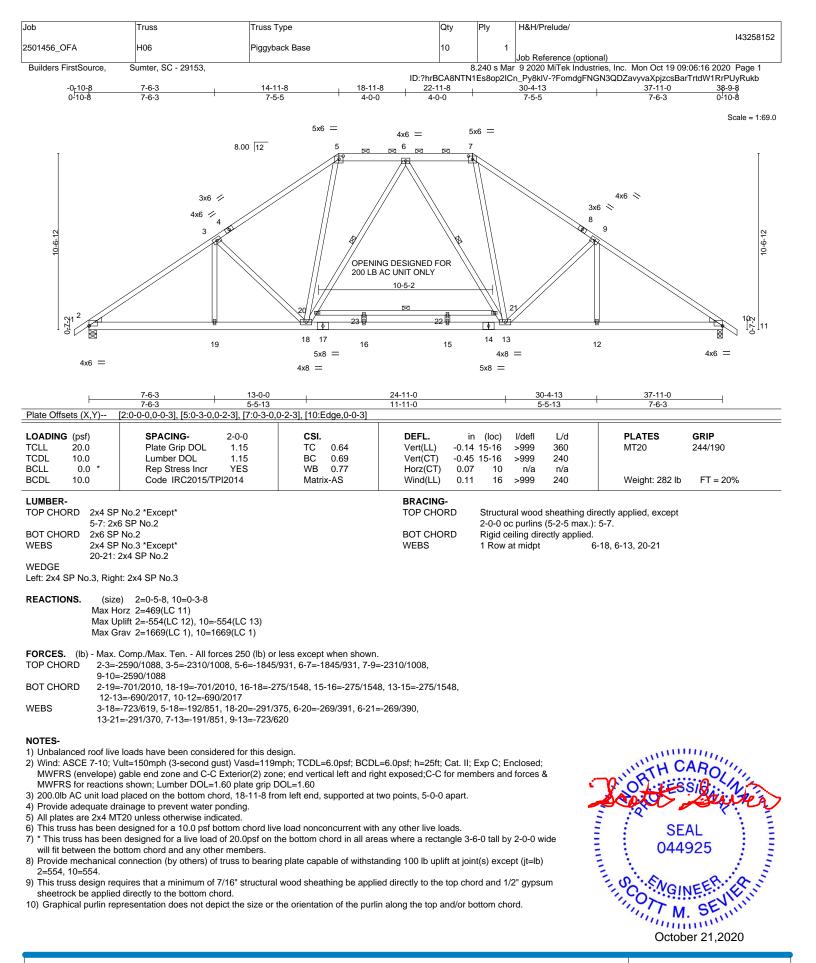
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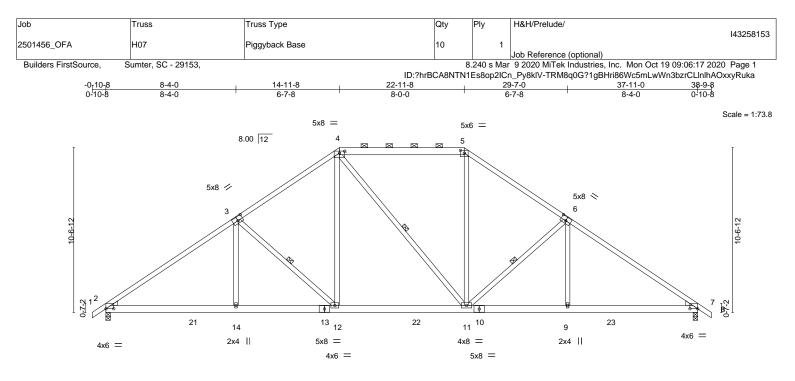
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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Edenton, NC 27932



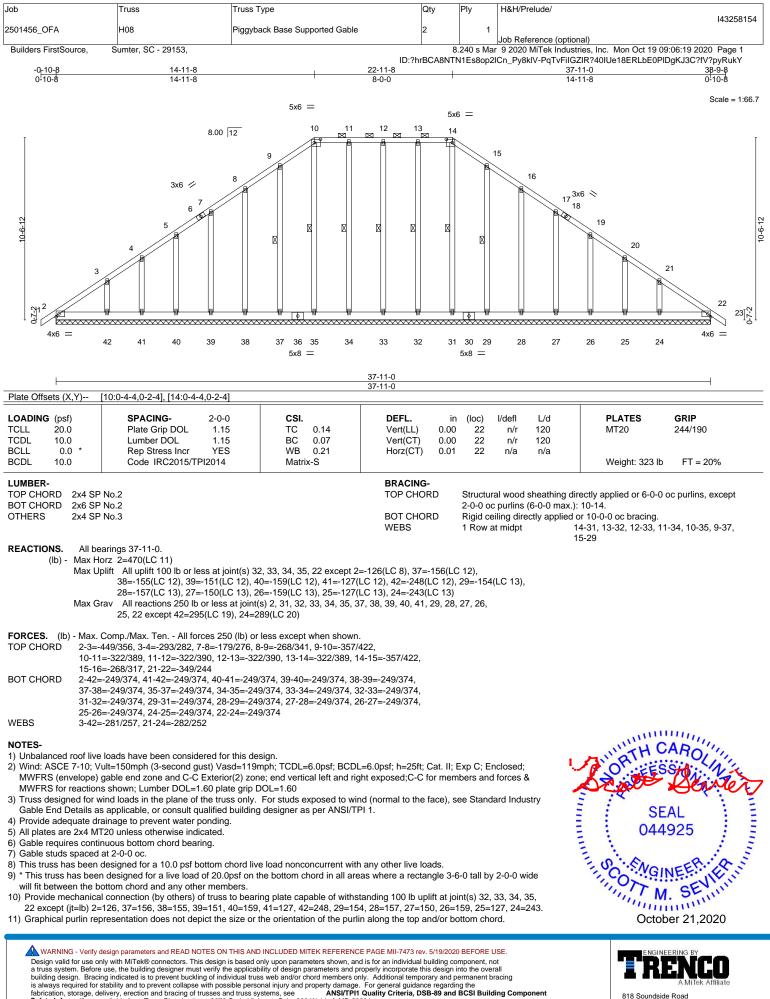
F	8-4-0	<u>14-11-8</u> 6-7-8	<u>22-11-8</u> 8-0-0	<u>29-7-0</u> 6-7-8		<u>37-11-0</u> 8-4-0		
Plate Offsets (X,Y)	[2:0-6-0,0-0-1], [3:0-4-0,0-3-0], [4:0-4-0					8-4-0		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.68 BC 0.45 WB 0.53 Matrix-AS		in (loc) l/defl -0.12 11-12 >999 -0.22 11-12 >999 0.06 7 n/a 0.12 14-17 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 254 lb	GRIP 244/190 FT = 20%	
LUMBER- TOP CHORD2x4 SP No.2 *Except* 4-5: 2x6 SP No.2BRACING- TOP CHORDTOP CHORDStructural wood sheathing directly applied, except 2-0-0 cc purlins (5-4-14 max.): 4-5.BOT CHORD2x6 SP No.2BOT CHORDRigid ceiling directly applied.WEBS2x4 SP No.3 *Except* 4-11: 2x4 SP No.2BOT CHORDRigid ceiling directly applied.WEDGE Left: 2x4 SP No.3, Right: 2x4 SP No.3WEBS1 Row at midpt3-12, 4-11, 6-11REACTIONS.(size) 2=0-3-8, 7=0-3-8 Max Horz 2=469(LC 11) Max Uplift 2=-654(LC 12), 7=-654(LC 13) Max Grav 2=1569(LC 1), 7=1569(LC 1)Here Set Set Set Set Set Set Set Set Set Se								
TOP CHORD 2-3=- BOT CHORD 2-14= WEBS 3-14=	FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-2388/1229, 3-4=-1975/1167, 4-5=-1703/1079, 5-6=-1977/1167, 6-7=-2387/1228 BOT CHORD 2-14=-785/1972, 12-14=-785/1970, 11-12=-403/1415, 9-11=-779/1819, 7-9=-779/1821							
2) Wind: ASCE 7-10; V MWFRS (envelope) MWFRS for reaction	e loads have been considered for this d /ult=150mph (3-second gust) Vasd=119 gable end zone and C-C Exterior(2) zo is shown; Lumber DOL=1.60 plate grip rainage to prevent water ponding.	mph; TCDL=6.0psf; BCDL ne; end vertical left and rig				ATH C	ARO	

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=654, 7=654.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

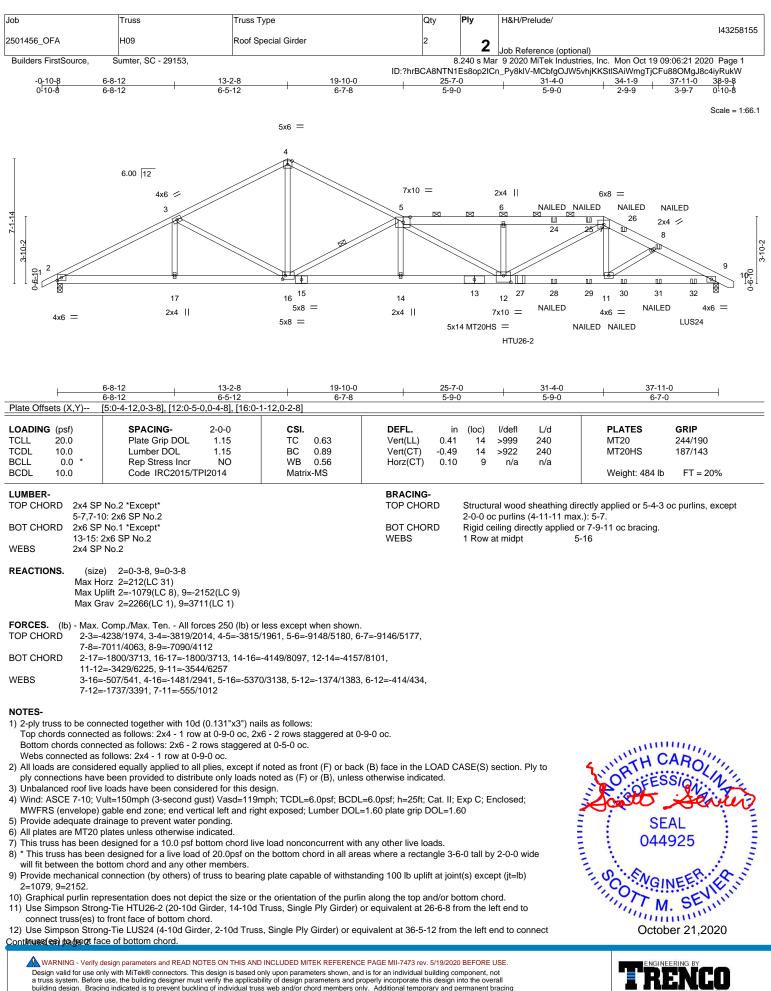


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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



a truss systems, see a walable from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/
					143258155
2501456_OFA	H09	Roof Special Girder	2	2	
				_	Job Reference (optional)
Builders FirstSource,	Sumter, SC - 29153,		8	.240 s Mai	9 2020 MiTek Industries, Inc. Mon Oct 19 09:06:21 2020 Page 2
			ID:?hrBCA8NTN1	Es8op2ICr	n_Py8kIV-MCbfgOJW5vhjKKStlSAiWmgTjCFu88OMgJ8c4iyRukW

NOTES-

13) Fill all nail holes where hanger is in contact with lumber.

14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

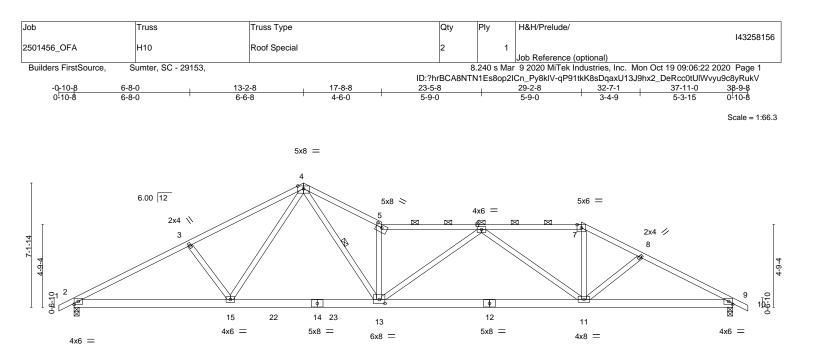
Uniform Loads (plf) Vert: 1-4=-60, 4-5=-60, 5-7=-60, 7-10=-60, 18-21=-20

Concentrated Loads (lb)

Vert: 8=-28(F) 24=-22(F) 25=-22(F) 27=-1877(F) 28=-155(F) 29=-155(F) 30=-206(F) 31=-146(F) 32=-238(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





 	9-0-0	17-8-8 8-8-8		9-2-8 -6-0		<u> </u>	
Plate Offsets (X,Y)	[5:0-4-0,0-2-0], [13:0-4-0,0-2-12]	0-0-0		-0-0		0-0-0	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.64 BC 0.71 WB 1.00 Matrix-AS	Vert(LL) -0.24 Vert(CT) -0.55 Horz(CT) 0.09	11-13 >824 9 n/a	L/d 360 240 n/a 240	PLATES MT20 Weight: 221 lb	GRIP 244/190 FT = 20%
Max He Max U	No.2		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sl 2-0-0 oc purlins (2 Rigid ceiling direc 1 Row at midpt	2-8-1 max.): 5-1	7.	
TOP CHORD 2-3=- 7-8=- 7-8=- BOT CHORD 2-15= WEBS 3-15=	Comp./Max. Ten All forces 250 (lb) 2786/1824, 3-4=-2569/1785, 4-5=-36- 2637/1694, 8-9=-2825/1794 -1453/2420, 13-15=-968/1937, 11-13 -372/506, 4-15=-374/558, 4-13=-147! -958/722, 7-11=-478/870, 8-11=-162/	48/2489, 5-6=-3260/2168, 6 =-1788/3083, 9-11=-1447/2 5/2328, 5-13=-1878/1389, 6	-7=-2316/1566, 456				

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=643, 9=816.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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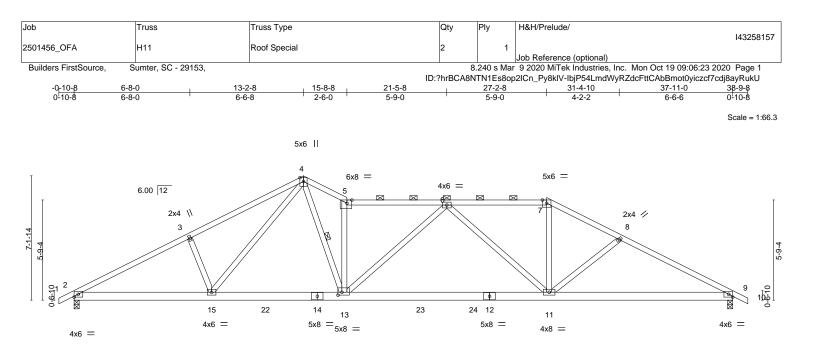


Plate Offsets (X,Y)		i-8-8 -9-8	<u>27-2-8</u> 11-6-0			<u>37-11-0</u> 10-8-8	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.66 BC 0.74 WB 0.89 Matrix-AS	Vert(LL) -0.24 Vert(CT) -0.50 Horz(CT) 0.09	n (loc) l/de 4 11-13 >99 0 11-13 >91 9 9 n/ 7 11-13 >99	9 360 7 240 ′a n/a	PLATES MT20 Weight: 226 lb	GRIP 244/190 FT = 20%
LUMBER- BRACING- TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2 WEBS 2x4 SP No.3 REACTIONS. (size) (size) 2=0-3-8, 9=0-3-8 Max Horz 2=-211(LC 17) Max Uplift 2=-643(LC 12), 9=-816(LC 13) Max Grav 2=1569(LC 1), 9=1569(LC 1)							
TOP CHORD 2-3=- 7-8=- BOT CHORD 2-15= WEBS 3-15=	Comp./Max. Ten All forces 250 (lb) c -2787/1803, 3-4=-2659/1891, 4-5=-289 -2497/1636, 8-9=-2765/1782 =-1433/2420, 13-15=-955/1946, 11-13= =-364/508, 4-15=-492/600, 4-13=-1137, =-608/494, 7-11=-447/807, 8-11=-267/4	7/2032, 5-6=-2591/1792, 6 -1451/2622, 9-11=-1413/2 1844, 5-13=-1494/1108, 6	6-7=-2175/1521, 2397				
2) Wind: ASCE 7-10; V	e loads have been considered for this d /ult=150mph (3-second gust) Vasd=119	mph; TCDL=6.0psf; BCDI					

2) Wind: ASCE 7-10; Vult=150mpn (3-second gust) Vasd=119mpn; TCDL=6.0psr; BCDL=6.0psr; n=25r; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will first use the bottom the data and any other method and any other method.

will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=643, 9=816.
 7) This trues design requires that a minimum of 7/16" structural wood shoothing he applied directly to the tap short and 1/2" groups.

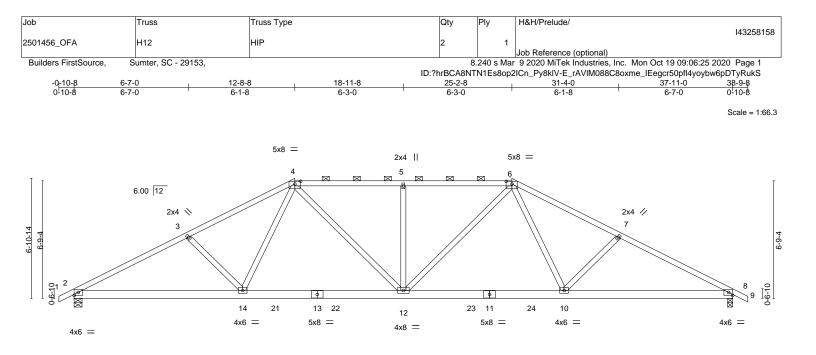
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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TRENCO A MITek Affiliate 818 Soundside Road Edenton, NC 27932



I	9-8-8	18-11-8		28-2-8		37-11-0	
Plate Offsets (X,Y)	9-8-8 [4:0-4-0,0-1-15], [6:0-4-0,0-1-15]	9-3-0	'	9-3-0		9-8-8	
	[4.0-4-0,0-1-13], [0.0-4-0,0-1-13]	1					
LOADING(psf)TCLL20.0TCDL10.0BCLL0.0	SPACING- 2-3-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO	CSI. TC 0.87 BC 0.70 WB 0.53	Vert(LL) -0.1	n (loc) l/defl 8 12-14 >999 5 12-14 >999 9 8 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 244/190
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.2	0 12 >999	240	Weight: 221 lb	FT = 20%
			BRACING- TOP CHORD BOT CHORD	except 2-0-0 oc purlins	s (2-10-4 max.	rectly applied or 2-11-2 .): 4-6. or 5-9-5 oc bracing.	oc purlins,
Max H Max U Max G FORCES. (Ib) - Max. TOP CHORD 2-3=	e) 2=0-5-8, 8=0-3-8 lorz 2=227(LC 12) Jplift 2=-715(LC 12), 8=-715(LC 13) Grav 2=1765(LC 1), 8=1765(LC 1) Comp./Max. Ten All forces 250 (lb) oi -3132/2033, 3-4=-2838/1904, 4-5=-2591 -3132/2033		=-2838/1904,				
BOT CHORD 2-14 WEBS 3-14	=-1619/2722, 12-14=-1113/2238, 10-12= =-385/557, 4-14=-296/576, 4-12=-349/6 =-296/576, 7-10=-385/557						
 Wind: ASCE 7-10; MWFRS (envelope) MWFRS for reaction Provide adequate d This truss has been * This truss has been will fit between the b 	e loads have been considered for this de /ult=150mph (3-second gust) Vasd=119 gable end zone and C-C Exterior(2) zon ns shown; Lumber DOL=1.60 plate grip l rainage to prevent water ponding. designed for a 10.0 psf bottom chord liv in designed for a live load of 20.0psf on pottom chord and any other members, w	mph; TCDL=6.0psf; BCDL= te; end vertical left and right DOL=1.60 e load nonconcurrent with a the bottom chord in all areas ith BCDL = 10.0psf.	exposed;C-C for me iny other live loads. s where a rectangle 3	-6-0 tall by 2-0-0	&	LINNATH C	AROLIN

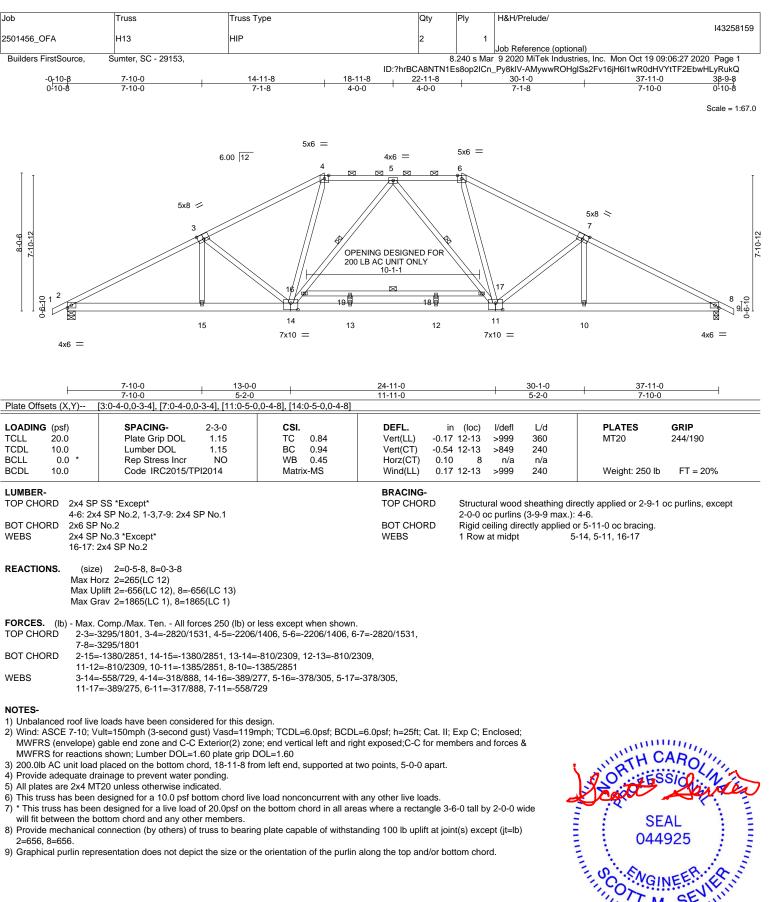
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=715, 8=715.

7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



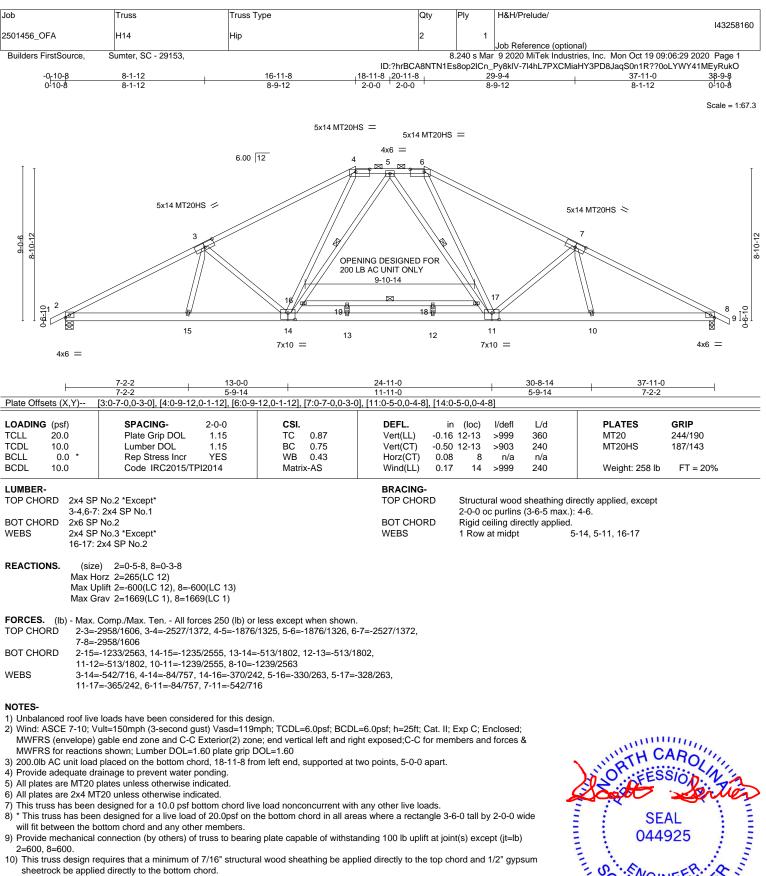
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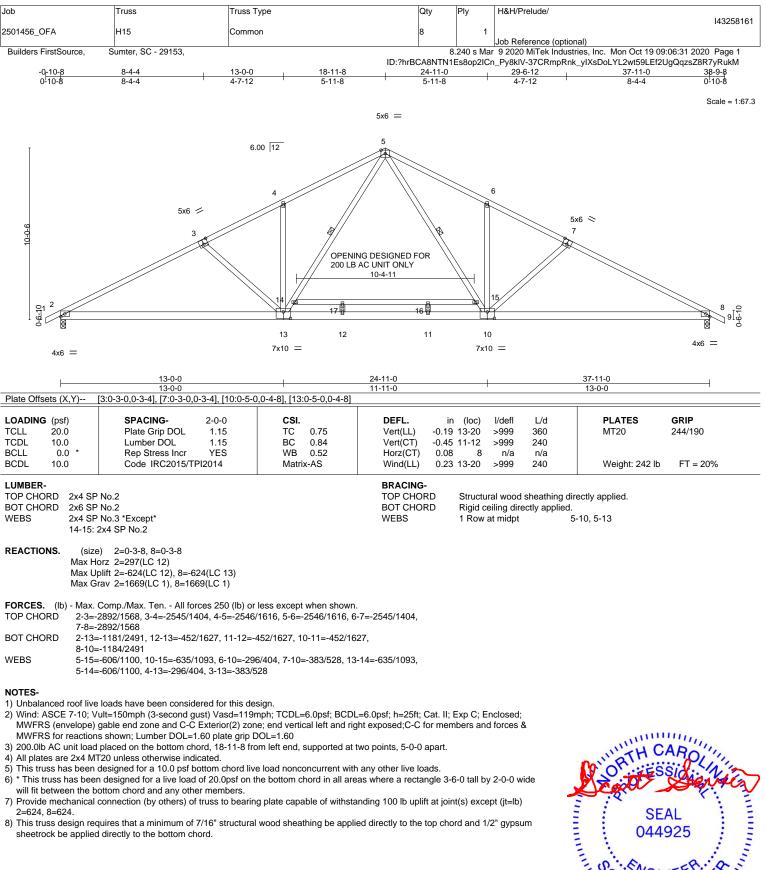
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11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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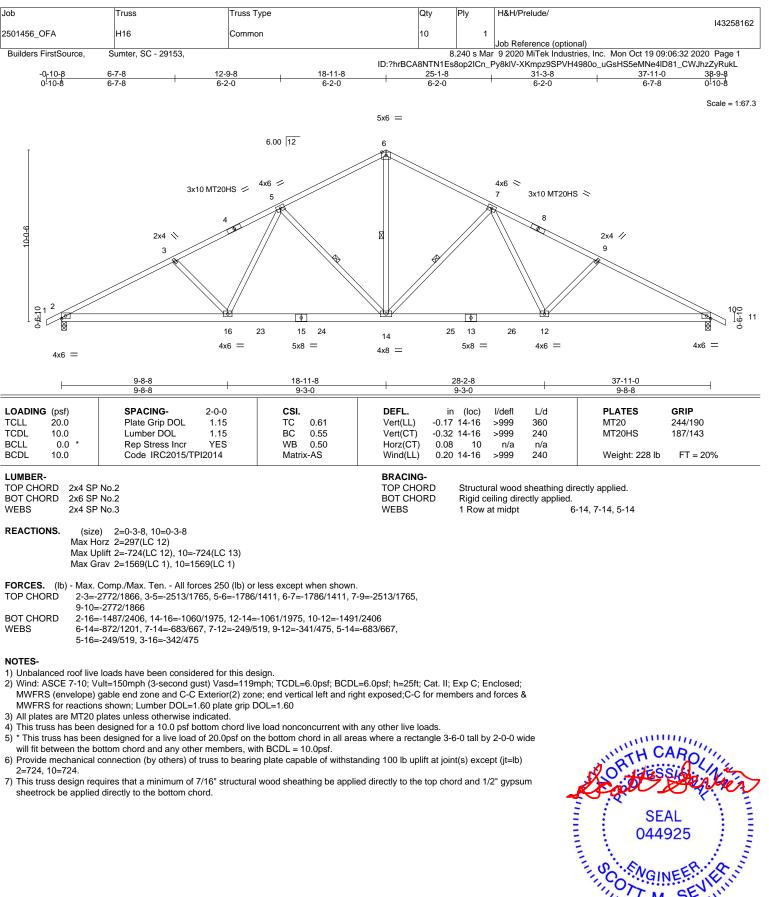


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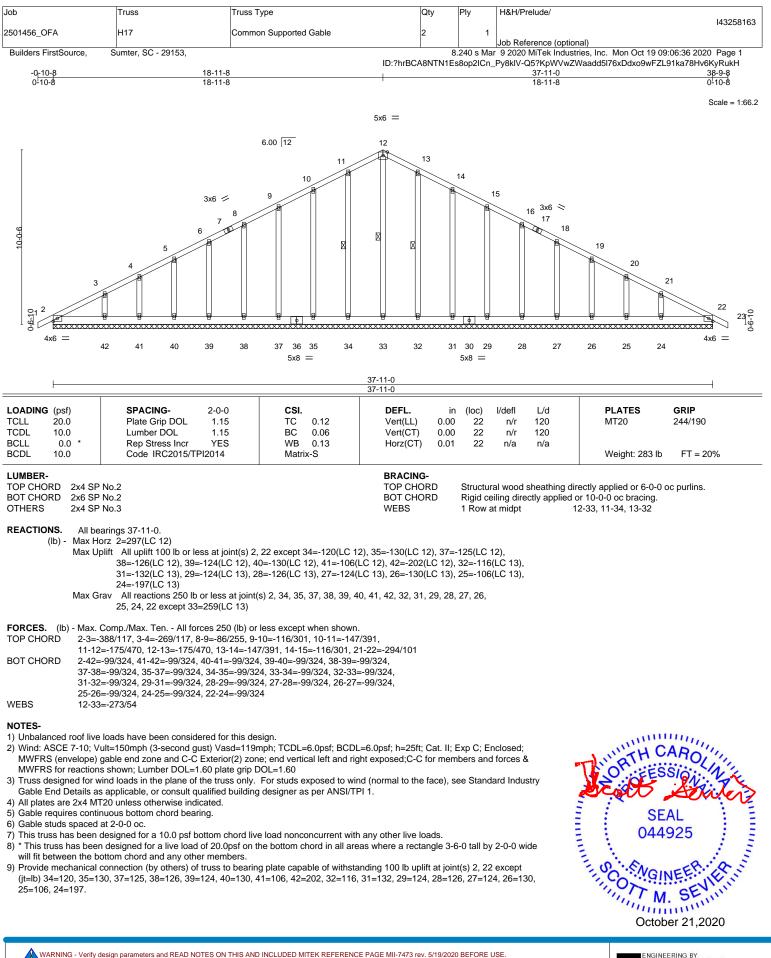


(1111111) October 21,2020

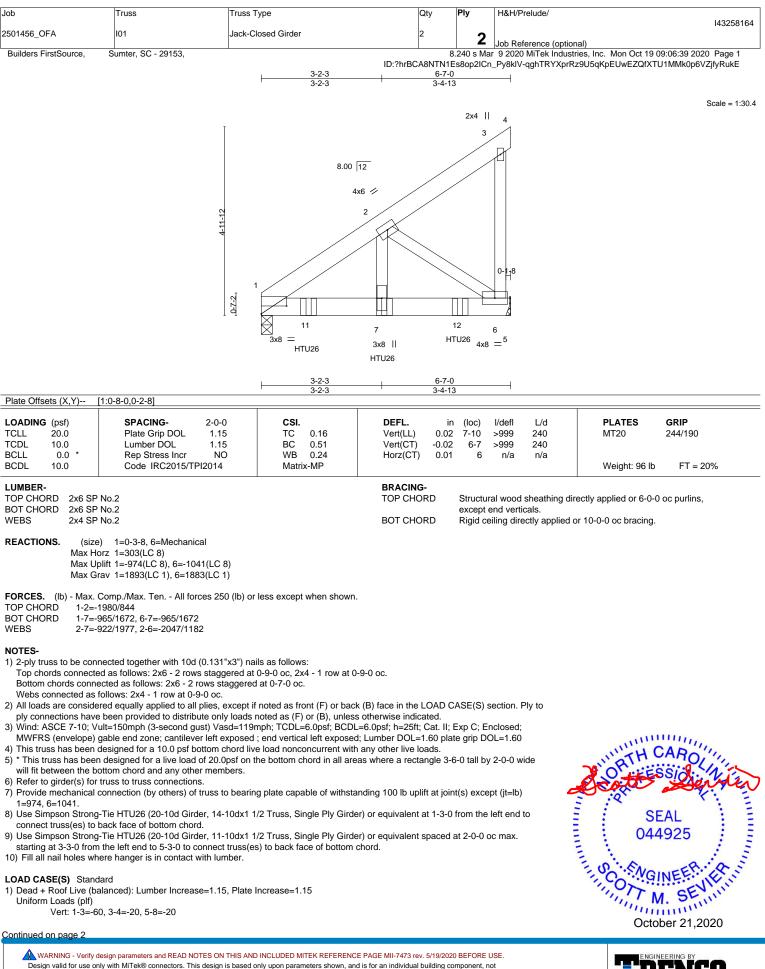
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Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/
					143258164
2501456_OFA	101	Jack-Closed Girder	2	2	
				_	Job Reference (optional)
Builders FirstSource,	Sumter, SC - 29153,		8	3.240 s Mai	9 2020 MiTek Industries, Inc. Mon Oct 19 09:06:39 2020 Page 2

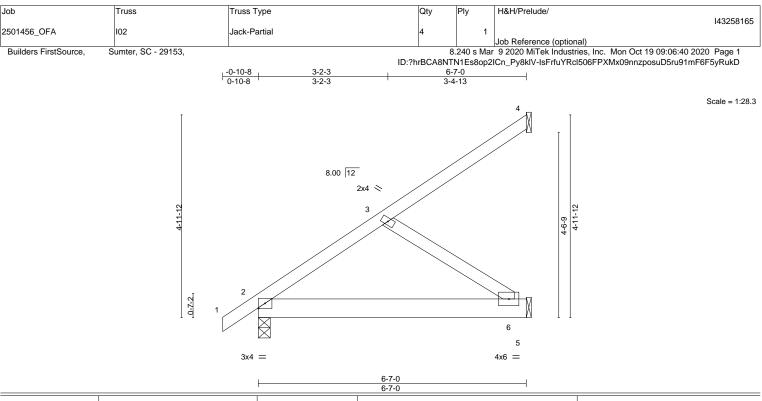
ID:?hrBCA8NTN1Es8op2ICn_Py8kIV-qghTRYXprRz9U5qKpEUwEZQfXTU1MMk0p6VZjfyRukE

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 7=-1036(B) 11=-1189(B) 12=-1036(B)

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LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.19	Vert(LL) -0.02 6-9 >999 360 MT20 244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.19	Vert(CT) -0.04 6-9 >999 240
BCLL	0.0 *	Rep Stress Incr YES	WB 0.12	Horz(CT) 0.00 2 n/a n/a
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.01 6-9 >999 240 Weight: 35 lb FT = 20%

BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD2x4 SP No.2BOT CHORD2x6 SP No.2WEBS2x4 SP No.3

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical Max Horz 2=336(LC 12) Max Uplift 4=-125(LC 12), 2=-84(LC 12), 5=-129(LC 12) Max Grav 4=106(LC 19), 2=317(LC 19), 5=210(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. BOT CHORD 2-6=-265/320

BOT CHORD 2-6=-265/320 WEBS 3-6=-387/321

VVEDS 5-0=

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

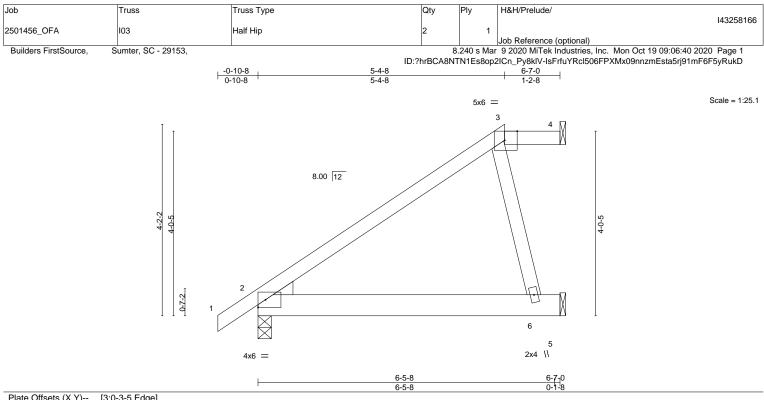
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=125, 5=129.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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CADING (psf) "CLL 20.0 "CDL 10.0 3CLL 0.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYES	CSI. TC 0.42 BC 0.30 WB 0.07	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.06 -0.06 0.02	(loc) 6-9 6-9 4	l/defl >999 >999 n/a	L/d 240 240 n/a	PLATES MT20	GRIP 244/190
3CDL 10.0 - UMBER- -OP CHORD 2x4 SP	Code IRC2015/TPI2014 No.2	Matrix-AS	BRACING- TOP CHOR		Structu	Iral wood	sheathing di	Weight: 34 lb	

BOT CHORD

2-0-0 oc purlins: 3-4.

Rigid ceiling directly applied.

 TOP CHORD
 2x4 SP No.2

 BOT CHORD
 2x6 SP No.2

 WEBS
 2x4 SP No.3

 WEDGE
 Left: 2x4 SP No.3

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical Max Horz 2=276(LC 12) Max Uplift 4=-33(LC 8), 2=-118(LC 12), 5=-169(LC 12) Max Grav 4=34(LC 1), 2=320(LC 19), 5=240(LC 19)

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

NOTES-

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=118, 5=169.

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

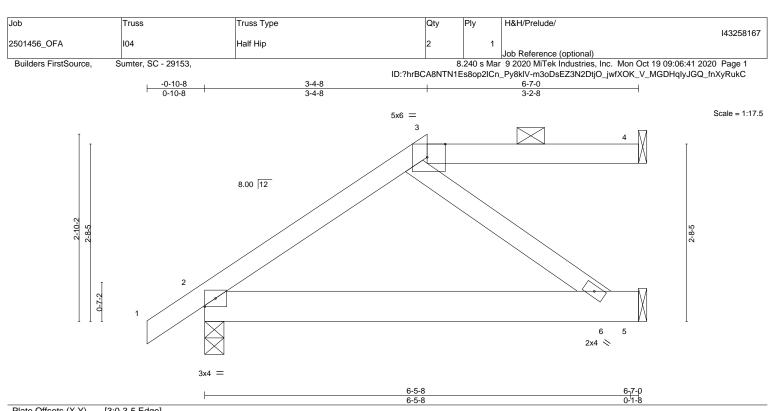
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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¹⁾ Unbalanced roof live loads have been considered for this design.



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.21	Vert(LL)	-0.02	6-9	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.21	Vert(CT)	-0.05	6-9	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Horz(CT)	0.01	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL)	0.02	6-9	>999	240	Weight: 33 lb	FT = 20%
LUMBER-			BRACING-					1	

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied, except

2-0-0 oc purlins: 3-4.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2 WEBS 2x4 SP No.3

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical Max Horz 2=184(LC 12) Max Uplift 4=-90(LC 8), 2=-141(LC 12), 5=-59(LC 12)

Max Grav 4=94(LC 1), 2=317(LC 1), 5=163(LC 3)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=141.

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

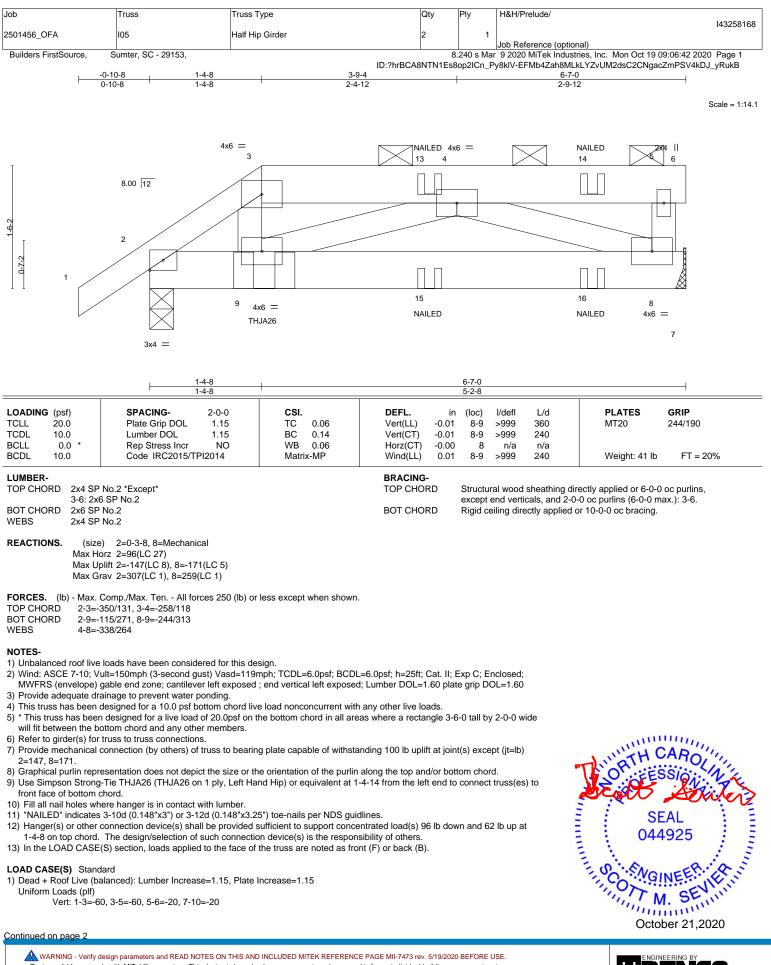
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/
					143258168
2501456_OFA	105	Half Hip Girder	2	1	
					Job Reference (optional)
Builders FirstSource,	Sumter, SC - 29153,		8	.240 s Mar	9 2020 MiTek Industries, Inc. Mon Oct 19 09:06:42 2020 Page 2

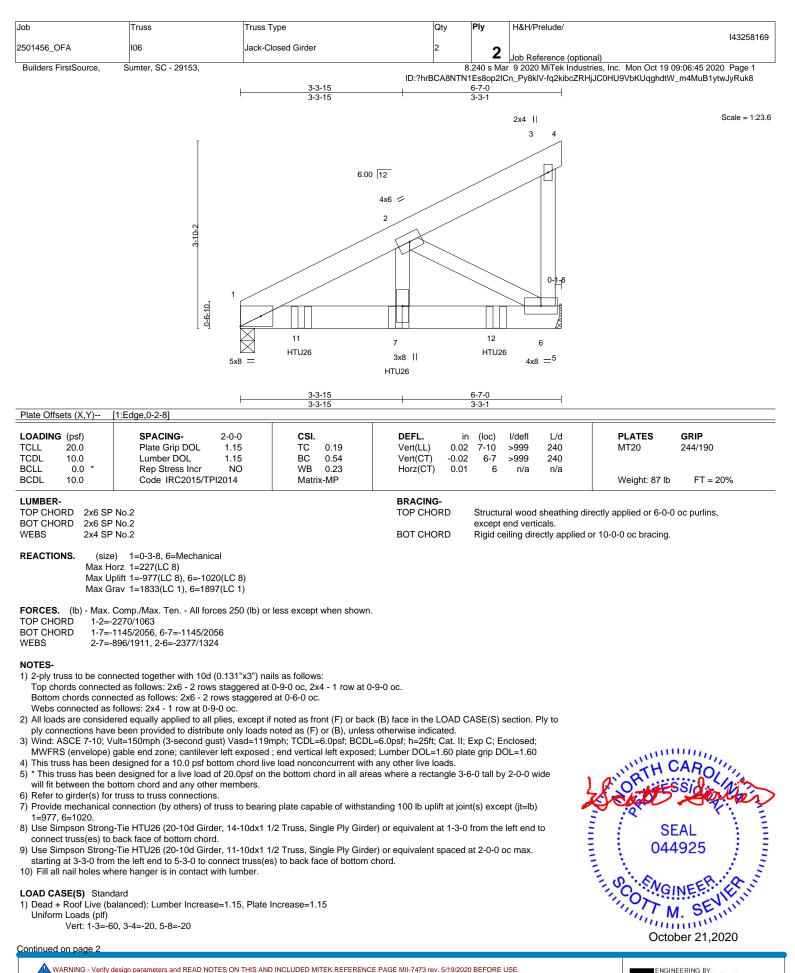
ID:?hrBCA8NTN1Es8op2ICn_Py8kIV-EFMb4Zah8MLkLYZvUM2dsC2CNgacZmPSV4kDJ_yRukB

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 9=2(F) 15=0(F) 16=0(F)

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Edenton, NC 27932

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	H&H/Prelude/
					143258169
2501456_OFA	106	Jack-Closed Girder	2	2	
				2	Job Reference (optional)
Builders FirstSource,	Sumter, SC - 29153,		8	3.240 s Mai	9 2020 MiTek Industries, Inc. Mon Oct 19 09:06:45 2020 Page 2

ID:?hrBCA8NTN1Es8op2ICn_Py8kIV-fq2kibcZRHjJC0HU9VbKUqghdtW_m4MuB1ytwJyRuk8

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 7=-1036(B) 11=-1143(B) 12=-1036(B)

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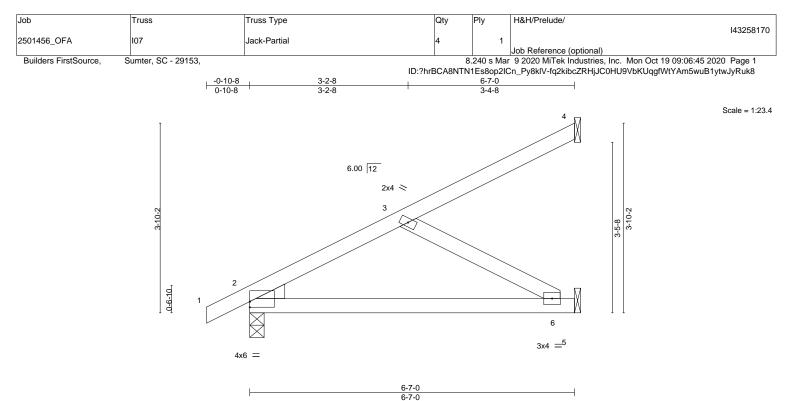


Plate Offsets (X,Y)	[2:0-0-0.0-1-6]		010					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.26 BC 0.40 WB 0.13 Matrix-AS	Vert(CT) Horz(CT)	in (loo -0.06 6- -0.13 6- 0.01 0.02 6-	9 >999 9 >619 2 n/a	L/d 360 240 n/a 240	PLATES MT20 Weight: 29 lb	GRIP 244/190 FT = 20%
UMBER- OP CHORD 2x4 SF 3OT CHORD 2x4 SF VEBS 2x4 SF VEDGE .eft: 2x4 SP No.3	P No.2	·	BRACING- TOP CHORE BOT CHORE			sheathing dire	ectly applied.	
Max U	e) 4=Mechanical, 2=0-3-8, 5=Mechan lorz 2=252(LC 12) plift 4=-107(LC 12), 2=-127(LC 12), 5=- irav 4=82(LC 1), 2=317(LC 1), 5=175(L	103(LC 12)						
TOP CHORD 2-3=- BOT CHORD 2-6=-	Comp./Max. Ten All forces 250 (lb) or -281/168 -397/272 -310/452	less except when shown.						
	/ult=150mph (3-second gust) Vasd=119							

MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

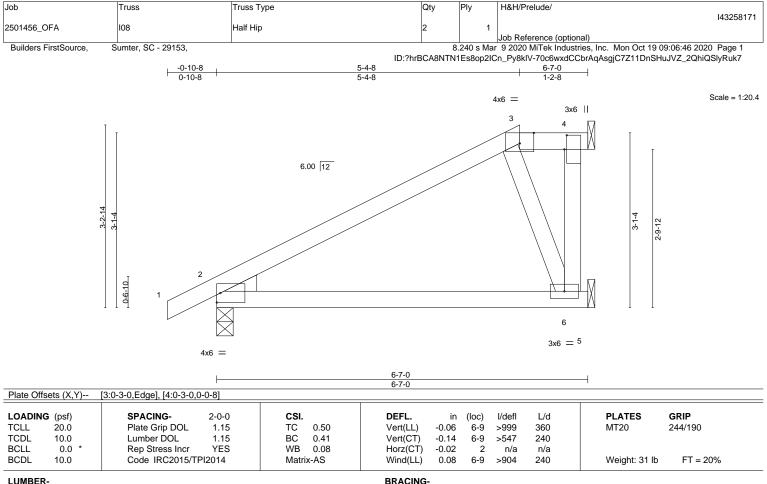
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=107, 2=127, 5=103.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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TOP CHORD

BOT CHORD

2-0-0 oc purlins: 3-4.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD WEBS 2x4 SP No.3 WEDGE Left: 2x4 SP No.3

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 6=Mechanical Max Horz 2=206(LC 12) Max Uplift 4=-27(LC 8), 2=-142(LC 12), 6=-142(LC 12)

Max Grav 4=28(LC 1), 2=309(LC 1), 6=226(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WFBS 3-6=-170/274

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=142, 6=142

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord

10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

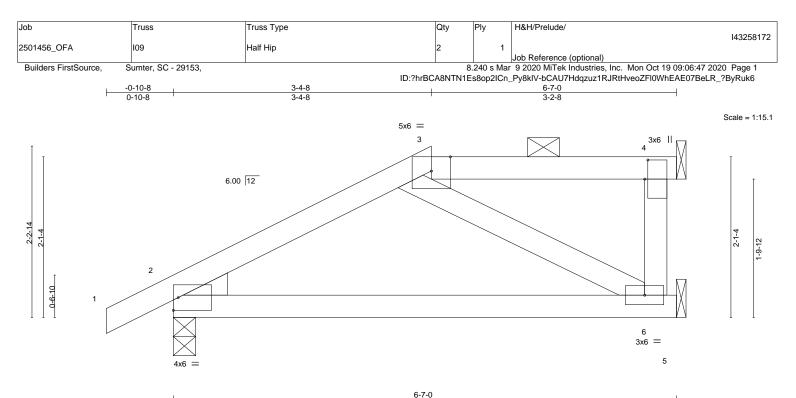


818 Soundside Road Edenton, NC 27932

Structural wood sheathing directly applied, except end verticals, and

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6-7-0
6-7-0

Plate Offsets (X,Y)	[4:0-3-0,0-0-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.		n (loc) l/defl L/d	PLATES GRIP
TCLL 20.0 TCDL 10.0	Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.23 BC 0.37	Vert(LL) -0.06 Vert(CT) -0.11		MT20 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.09 Matrix-AS	Horz(CT) 0.01 Wind(LL) 0.02		Weight: 30 lb FT = 20%
		Mathx / 10			
LUMBER- TOP CHORD 2x4 SP	No.2		BRACING- TOP CHORD	Structural wood sheathing	directly applied, except end verticals, and
BOT CHORD 2x4 SP No.2				2-0-0 oc purlins: 3-4.	
WEBS 2x4 SP No.3		BOT CHORD	Rigid ceiling directly applie	d.	

WEDGE Left: 2x4 SP No.3

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 6=Mechanical Max Horz 2=136(LC 12) Max Uplift 4=-84(LC 8), 2=-149(LC 12), 6=-48(LC 12) Max Grav 4=88(LC 1), 2=309(LC 1), 6=170(LC 3)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. BOT CHORD 2-6=-251/169

WEBS 3-6=-200/297

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 6 except (jt=lb) 2=149.

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

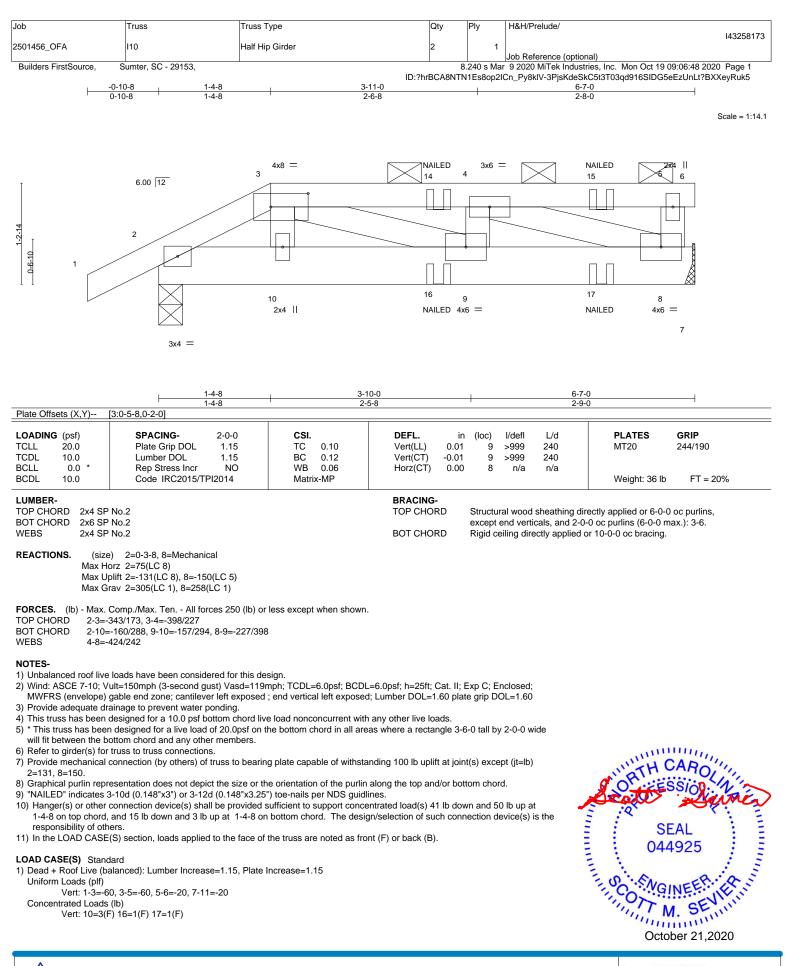
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

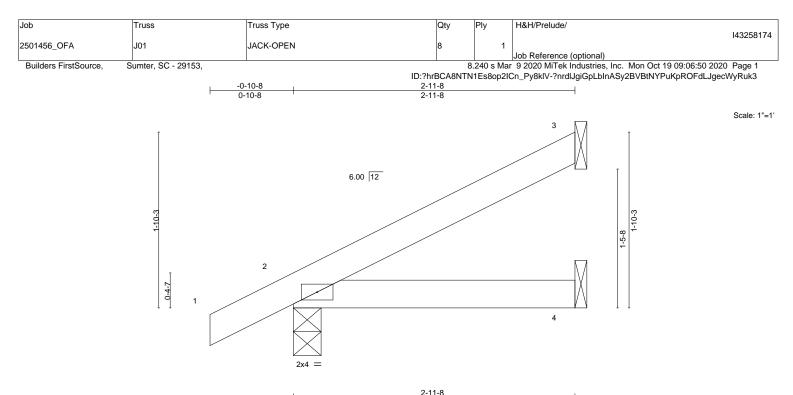


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			2-11-8	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP MT20 244/190
TCLL 20.0	Plate Grip DOL 1.15	TC 0.12	Vert(LL) -0.00 4-7 >999 360	
TCDL 10.0	Lumber DOL 1.15	BC 0.11	Vert(CT) -0.01 4-7 >999 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00 3 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MP	Wind(LL) 0.01 4-7 >999 240	Weight: 11 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical

Max Horz 2=87(LC 12)

Max Uplift 3=-52(LC 12), 2=-44(LC 12)

Max Grav 3=71(LC 1), 2=176(LC 1), 4=52(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

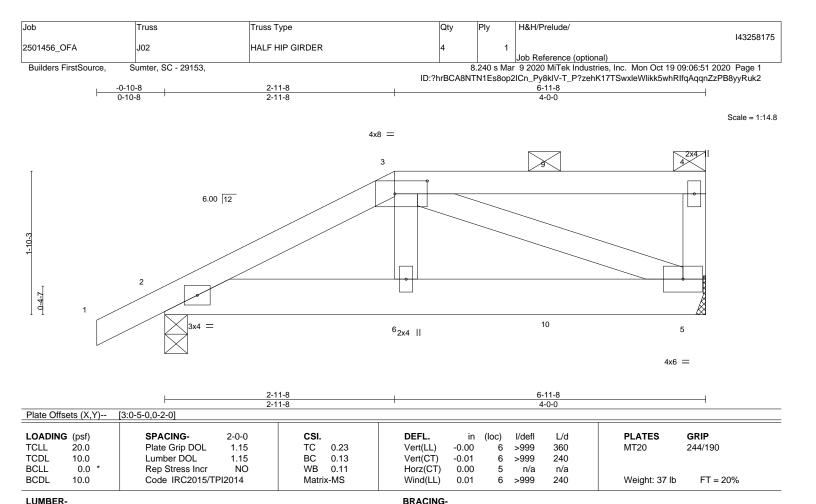


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BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 2-11-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.



TOP CHORD

BOT CHORD

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2

BOT CHORD 2x6 SP No.2 WEBS 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 5=Mechanical Max Horz 2=89(LC 8)

Max Uplift 2=-110(LC 8), 5=-101(LC 5)

Max Grav 2=371(LC 1), 5=318(LC 1)

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

TOP CHORD 2-3=-466/123

BOT CHORD 2-6=-131/403, 5-6=-126/414

WEBS 3-5=-392/118

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 Provide adequate drainage to prevent water ponding.

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Refer to girder(s) for truss to truss connections.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=110, 5=101.

7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 94 lb down and 129 lb up at 2-11-8, and 40 lb down and 58 lb up at 5-0-4 on top chord, and 41 lb down at 2-11-8, and 21 lb down at 5-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 2-5=-20

Concentrated Loads (lb) Vert: 3=-26(F) 6=-37(F) 9=-11(F) 10=-17(F)



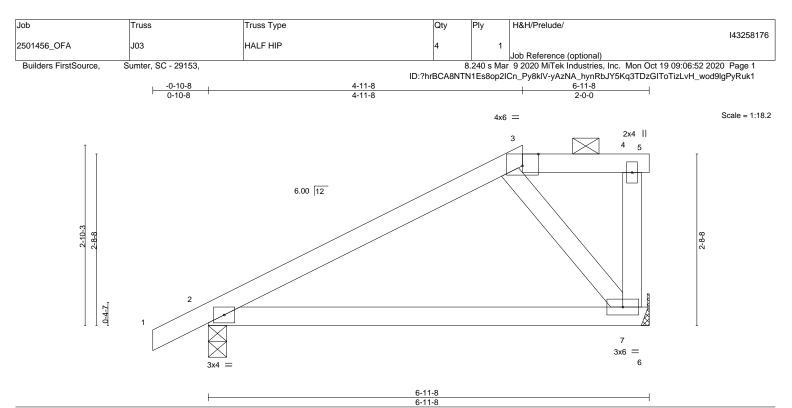
Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.

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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

A MiTek Affilia A MiTek Affilia 818 Soundside Road Edenton, NC 27932



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.47	Vert(LL)	-0.04 7-10	>999 3	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.30	Vert(CT)	-0.10 7-10	>837 2	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT)	0.00 2	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL)	0.05 7-10	>999 2	240	Weight: 31 lb	FT = 20%

TOP CHORD

BOT CHORD

TOP CHORD

2x4 SP No.2 2x4 SP No.2 BOT CHORD WEBS 2x4 SP No.3

REACTIONS. (size) 2=0-3-8, 7=Mechanical

Max Horz 2=132(LC 12)

Max Uplift 2=-81(LC 12), 7=-74(LC 9) Max Grav 2=323(LC 1), 7=275(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 3-7=-226/377

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied, except end verticals, and

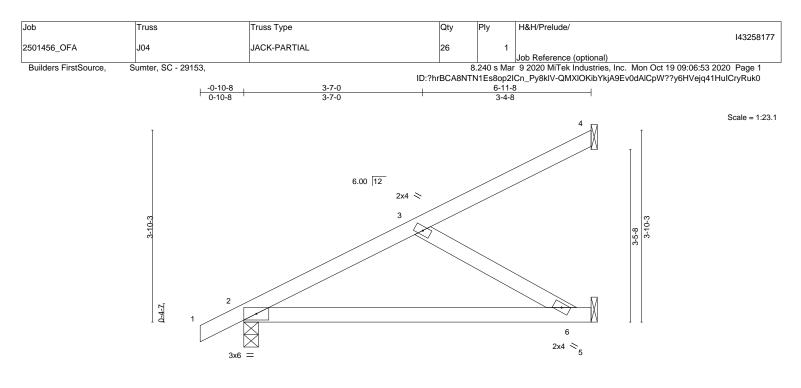
2-0-0 oc purlins (6-0-0 max.): 3-5.

Rigid ceiling directly applied

🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE ARXING - Verify design parameters and READ NOTES ON THIS AND INCLUDED WITH R KRETEKENCE PAGE MIL-74/3 fev. or 19/2/2/2 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general quidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component**
 Satisfies
 Ansi/TPH Qu

 Safety Information
 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





			6-11-8 6-11-8			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.36	Vert(LL) -0	0.07 6-9	>999 360	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.44	Vert(CT) -0	0.15 6-9	>560 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Horz(CT) -0	0.00 5	n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0	0.04 6-9	>999 240	Weight: 29 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD WEBS

2x4 SP No.3

REACTIONS. 4=Mechanical, 2=0-3-8, 5=Mechanical (size) Max Horz 2=183(LC 12) Max Uplift 4=-69(LC 12), 2=-66(LC 12), 5=-56(LC 12) Max Grav 4=77(LC 1), 2=332(LC 1), 5=195(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. 2-3=-301/175

TOP CHORD

BOT CHORD 2-6=-407/293

WEBS 3-6=-335/465

NOTES-

1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

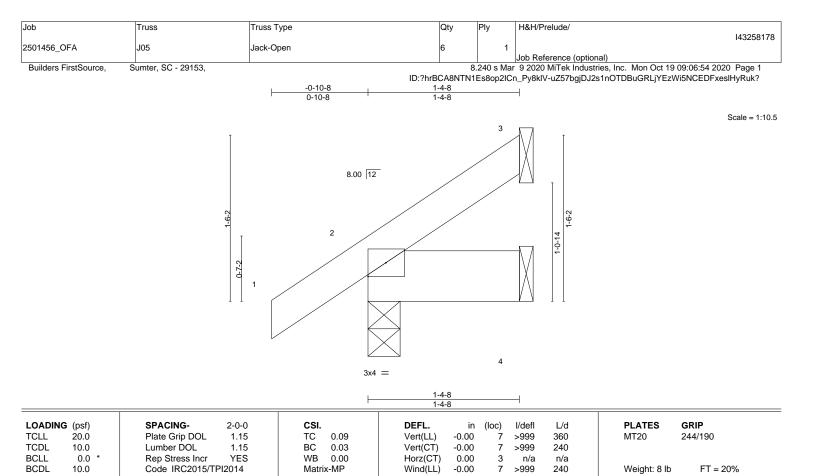
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE ARXING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MILER KEERENCE PAGE MIL-7475 fev. or 19/2/2/0/ DEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





 JMI	RF	P_

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2 BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 1-4-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical Max Horz 2=98(LC 12) Max Uplift 3=-39(LC 12), 2=-59(LC 12), 4=-5(LC 12) Max Grav 3=34(LC 19), 2=124(LC 1), 4=25(LC 3)

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

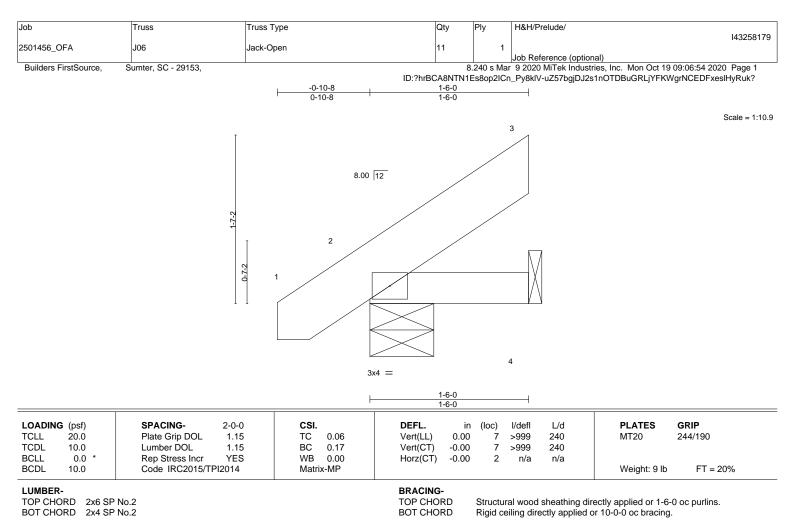
NOTES-

- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



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REACTIONS. (size) 2=0-7-4, 4=Mechanical

Max Horz 2=91(LC 12) Max Uplift 2=-46(LC 12), 4=-51(LC 9) Max Grav 2=114(LC 1), 4=56(LC 19)

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

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed;C-C for members

and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



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lob	Truss	Truss Type	Qty	Ply	H&H/Prelude/	143258180
501456_OFA	J07	Jack-Open	2	1		143258180
					Job Reference (option	
Builders FirstSource,	Sumter, SC - 29153,		ID:?hrBC			ies, Inc. Mon Oct 19 09:06:56 2020 Page 1 MkTrf6l1idbIIIvQ8dbqJLnr6kWjF7yoAyRujz
		L	1-6-0			
			1-6-0			
						Scale = 1:10
		8.00		2		
		8.00	12			
		-2-2-1	/			
		+ 1				
		3		N/		
		0-7-2		ΠXI		
			\geq			
		\mid $>$				
				5		
		3x4 =				
		L	1-6-0			
	1	I	1-6-0			
OADING (psf)		-0-0 CSI.		in (loc)	l/defl L/d	PLATES GRIP
CLL 20.0 CDL 10.0		1.15 TC 0.06 1.15 BC 0.21	Vert(LL) 0.0 Vert(CT) -0.0		>999 240 >999 240	MT20 244/190
BCLL 0.0 *	Rep Stress Incr	YES WB 0.00	Horz(CT) -0.0		n/a n/a	
BCDL 10.0	Code IRC2015/TPI2	014 Matrix-MP				Weight: 7 lb $FT = 20\%$
LUMBER-	•		BRACING-			
TOP CHORD 2x6 SP			TOP CHORD			ectly applied or 1-6-0 oc purlins.
BOT CHORD 2x4 SP	/ INU.Z		BOT CHORD	Rigia ce	iling directly applied o	
	e) 1=0-7-4, 3=Mechanical					
	orz 1=62(LC 12) plift 1=-2(LC 12), 3=-55(LC)	9)				
	rav 1=59(LC 1), 3=67(LC 1)					
		: 250 (lb) or less except when showr				

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed;C-C for members

and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

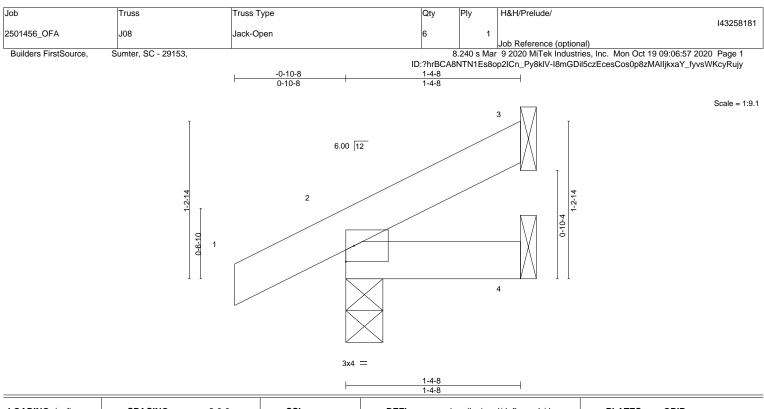
4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(loc)	l/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.08	Vert(LL) -0.00	7	>999 360	MT20 244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.02	Vert(CT) -0.00	7	>999 240	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00	3	n/a n/a	
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MP	Wind(LL) -0.00	7	>999 240	Weight: 6 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical

Max Horz 2=73(LC 12)

Max Uplift 3=-40(LC 12), 2=-65(LC 12)

Max Grav 3=28(LC 1), 2=124(LC 1), 4=23(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed;C-C for members
- and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

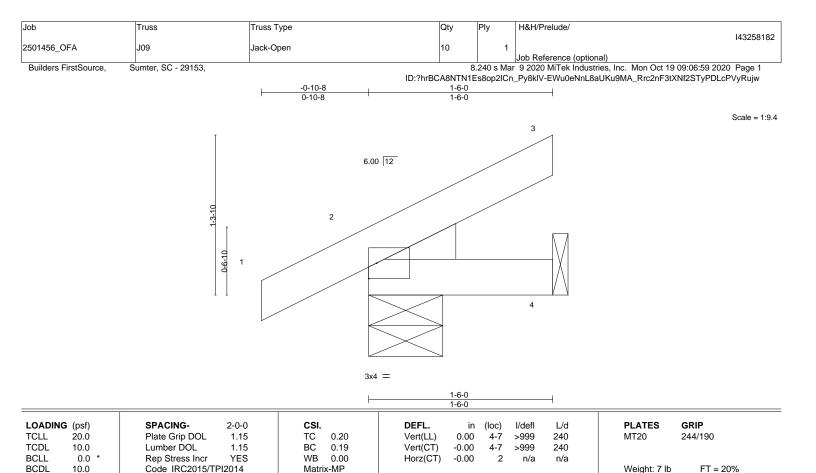


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BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 1-4-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.



TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEDGE Left: 2x4 SP No.3

REACTIONS. (size) 2=0-7-4, 4=Mechanical

Max Horz 2=71(LC 16)Max Uplift 2=-61(LC 12), 4=-46(LC 9)Max Grav 2=123(LC 1), 4=45(LC 1)

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

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed;C-C for members

and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 1-6-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

	Truss	Truss Type	Qty	Ply	H&H/Prelude/		143258183
501456_OFA	J10	Jack-Open	2	1			14323010
					Job Reference (optiona		
Builders FirstSource,	Sumter, SC - 29153,				r 9 2020 MiTek Industri		
			ID:?nrBCA8NTN 1-6-0	1Es8op2ICr	_Py8klV-EWu0eNnL8a	UKU9MA_Rrc2nF3tXNI	2STyPDLcPVyRujw
			1-6-0				
							0
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				3			
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		3x4 =					
		3x4 =					
		3x4 =	<u> </u>				
Plate Offsets (X,Y)	[1:0-0-0,0-0-14]	3x4 =	<u>1-6-0</u> 1-6-0				
			1-6-0				
-OADING (psf)	SPACING- 2-0	0-0 CSI .	1-6-0 DEFL.	in (loc)	l/defl L/d >999 240		RIP
Plate Offsets (X,Y) LOADING (psf) TCLL 20.0 TCDL 10.0	SPACING- 2-(Plate Grip DOL 1		1-6-0 DEFL. Vert(LL) 0.0	0 3-6	l/defl L/d >999 240 >999 240		RIP 44/190
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2- Plate Grip DOL 1. Lumber DOL 1. Rep Stress Incr Y	0-0 CSI. .15 TC 0.20 .15 BC 0.25 ES WB 0.00	1-6-0 DEFL.	0 3-6 0 3-6	>999 240	MT20 2-	44/190
LOADING (psf) ICLL 20.0 ICDL 10.0	SPACING- 2-(Plate Grip DOL 1. Lumber DOL 1.	0-0 CSI. .15 TC 0.20 .15 BC 0.25 ES WB 0.00	1-6-0 DEFL. Vert(LL) 0.0 Vert(CT) -0.0	0 3-6 0 3-6	>999 240 >999 240		
OADING (psf) TCLL 20.0 TCDL 10.0 3CLL 0.0 3CDL 10.0	SPACING- 2- Plate Grip DOL 1. Lumber DOL 1. Rep Stress Incr Y	0-0 CSI. .15 TC 0.20 .15 BC 0.25 ES WB 0.00	1-6-0 DEFL. Vert(LL) 0.0 Vert(CT) -0.0 Horz(CT) -0.0	0 3-6 0 3-6	>999 240 >999 240	MT20 2-	44/190
.OADING (psf) TCLL 20.0 TCDL 10.0 SCLL 0.0 *	SPACING- 2-0 Plate Grip DOL 1 Lumber DOL 1. Rep Stress Incr Y Code IRC2015/TPI201	0-0 CSI. .15 TC 0.20 .15 BC 0.25 ES WB 0.00	1-6-0 DEFL. Vert(LL) 0.0 Vert(CT) -0.0	0 3-6 0 3-6 0 1	>999 240 >999 240	MT20 2 Weight: 6 lb	44/190 FT = 20%

BOT CHORD 2x4 SP No.2 WEDGE Left: 2x4 SP No.3

REACTIONS. (size) 1=0-7-4, 3=Mechanical

Max Horz 1=47(LC 9) Max Uplift 1=-8(LC 12), 3=-51(LC 9) Max Grav 1=55(LC 1), 3=60(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed;
- MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

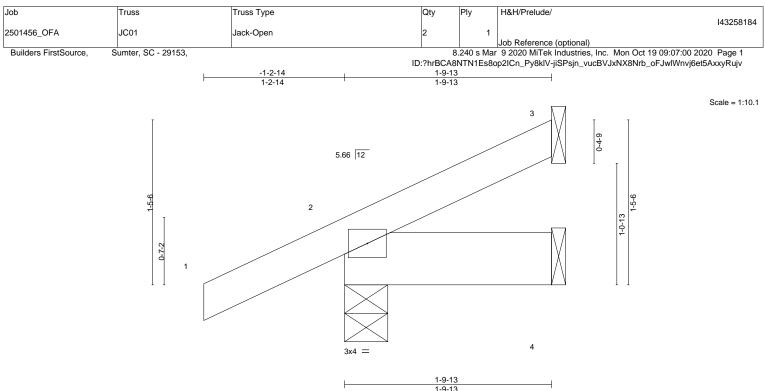
4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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				1-9-12
LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.16	Vert(LL) -0.00 7 >999 360 MT20 244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.00 7 >999 240
BCLL	0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 3 n/a n/a
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MP	Wind(LL) -0.00 7 >999 240 Weight: 9 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2 BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 1-9-13 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical

Max Horz 2=94(LC 12) Max Uplift 3=-42(LC 12), 2=-101(LC 12)

Max Grav 3=34(LC 1), 2=172(LC 1), 4=32(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

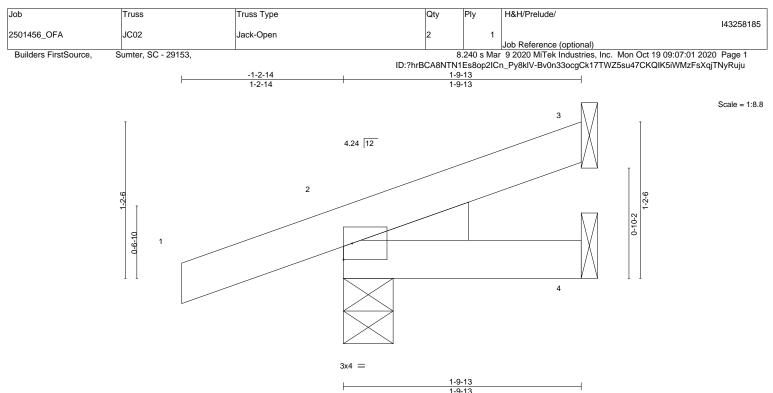
4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=101.



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				1-9-13	
LOADIN	IG (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.14	Vert(LL) -0.00 7 >999 360	MT20 244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.00 7 >999 240	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 3 n/a n/a	
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MP	Wind(LL) -0.00 7 >999 240	Weight: 9 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEDGE Left: 2x4 SP No.3

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical

Max Horz 2=85(LC 8) Max Uplift 3=-43(LC 12), 2=-160(LC 8)

Max Grav 3=36(LC 1), 2=172(LC 1), 4=30(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=160.

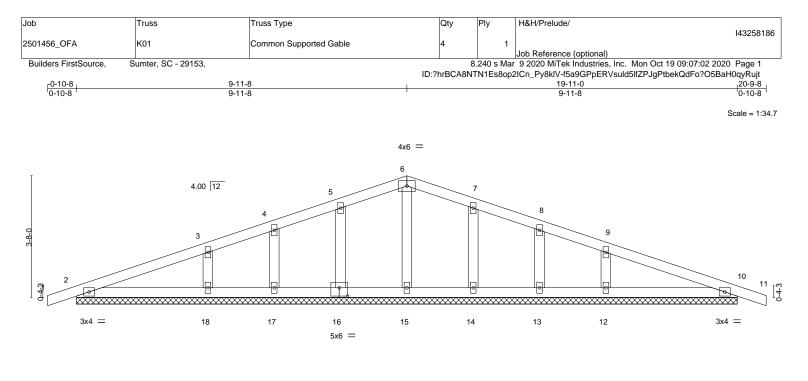
SEAL 044925 VGINEEP, HTT October 21,2020

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BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 1-9-13 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

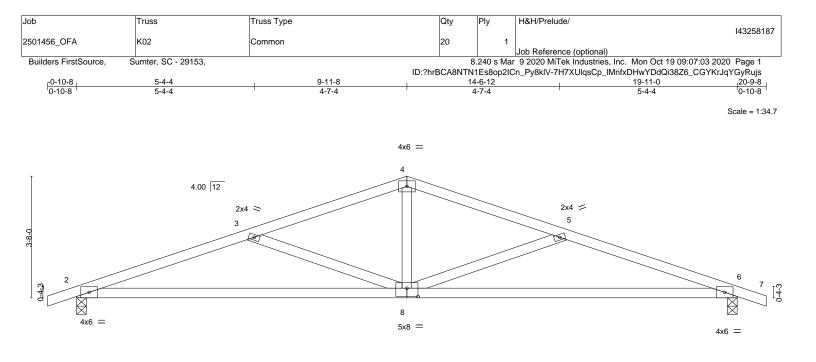


 			<u>19-11-0</u> 19-11-0		
Plate Offsets (X,Y) ['	16:0-3-0,0-3-0]		19-11-0		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.17 BC 0.11 WB 0.08 Matrix-S	DEFL.inVert(LL)0.00Vert(CT)0.01Horz(CT)0.00	(loc) l/defl L/d 11 n/r 120 11 n/r 120 10 n/a n/a	PLATES GRIP MT20 244/190 Weight: 84 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP I BOT CHORD 2x4 SP I OTHERS 2x4 SP I	No.2		BRACING- TOP CHORD BOT CHORD		ning directly applied or 6-0-0 oc purlins. oplied or 10-0-0 oc bracing.
(lb) - Max Ho Max Up Max Gra FORCES. (lb) - Max. C	arings 19-11-0. rrz 2=108(LC 12) lift All uplift 100 lb or less at joint(s) 1 14=-123(LC 13), 12=-205(LC 13), 1 av All reactions 250 lb or less at joint(24) Comp./Max. Ten All forces 250 (lb) or -222/264, 9-12=-222/264	0=-146(LC 9) s) 2, 15, 16, 17, 14, 13, 1	0 except 18=312(LC 23),		
 Wind: ASCE 7-10; Vu MWFRS (envelope) g MWFRS for reactions Truss designed for wi Gable End Details as All plates are 2x4 MT: Gable requires contin Gable studs spaced a This truss has been d * This truss has been d * This truss has been d 9) Provide mechanical c 	loads have been considered for this de ult=150mph (3-second gust) Vasd=119 gable end zone and C-C Exterior(2) zor s shown; Lumber DOL=1.60 plate grip I ind loads in the plane of the truss only. applicable, or consult qualified building 20 unless otherwise indicated. uous bottom chord bearing. at 2-0-0 oc. lesigned for a 10.0 psf bottom chord liv designed for a 10.0 there members. connection (by others) of truss to bearin 5, 18=206, 14=123, 12=205, 10=146.	mph; TCDL=6.0psf; BCDL e; end vertical left and rig DOL=1.60 For studs exposed to wir g designer as per ANSI/TF e load nonconcurrent with he bottom chord in all are	ght exposed;C-C for mem nd (normal to the face), se Pl 1. n any other live loads. nas where a rectangle 3-6	bers and forces & ee Standard Industry 6-0 tall by 2-0-0 wide	SEAL 044925



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TRENCISERING BY A MiTek Affiliate 818 Soundside Road Edenton, NC 27932



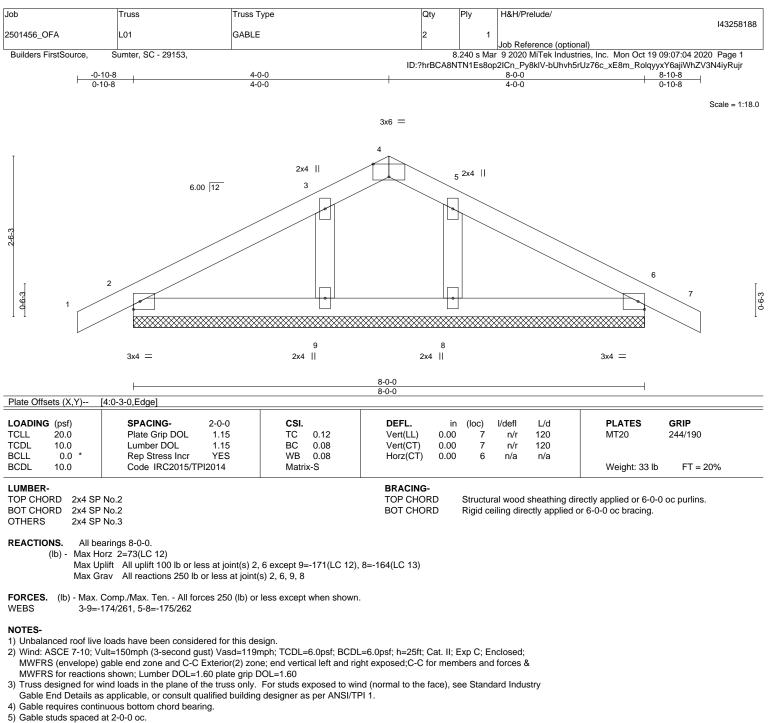
 	<u>9-11-8</u> 9-11-8				<u>19-11-0</u> 9-11-8	
Plate Offsets (X,Y)	[8:0-4-0,0-3-0]				3-11-0	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.45 BC 0.93 WB 0.27 Matrix-AS	Vert(LL) -0.1 Vert(CT) -0.3 Horz(CT) 0.0	35 8-11 >688	L/d PLATES 360 MT20 240 n/a 240 Weight: 83 II	GRIP 244/190 p FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	P No.2		BRACING- TOP CHORD BOT CHORD	Structural wood s Rigid ceiling direc	sheathing directly applied. ctly applied.	
Max H Max U	e) 2=0-3-8, 6=0-3-8 orz 2=108(LC 12) plift 2=-463(LC 8), 6=-463(LC 9) rav 2=849(LC 1), 6=849(LC 1)					
TOP CHORD 2-3=- BOT CHORD 2-8=-	Comp./Max. Ten All forces 250 (lb) or 1837/1285, 3-4=-1363/894, 4-5=-1363/8 1111/1725, 6-8=-1119/1725 246/593, 5-8=-533/522, 3-8=-533/523					
 Wind: ASCE 7-10; V MWFRS (envelope) MWFRS for reaction This truss has been * This truss has bee will fit between the b 	e loads have been considered for this de /ult=150mph (3-second gust) Vasd=119/ gable end zone and C-C Exterior(2) zor is shown; Lumber DOL=1.60 plate grip I designed for a 10.0 psf bottom chord liv n designed for a live load of 20.0psf on t ottom chord and any other members.	mph; TCDL=6.0psf; BCDL e; end vertical left and rig JOL=1.60 e load nonconcurrent with he bottom chord in all are	ht exposed;C-C for me any other live loads. as where a rectangle 3	embers and forces & 3-6-0 tall by 2-0-0 wic	de	

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=463, 6=463.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

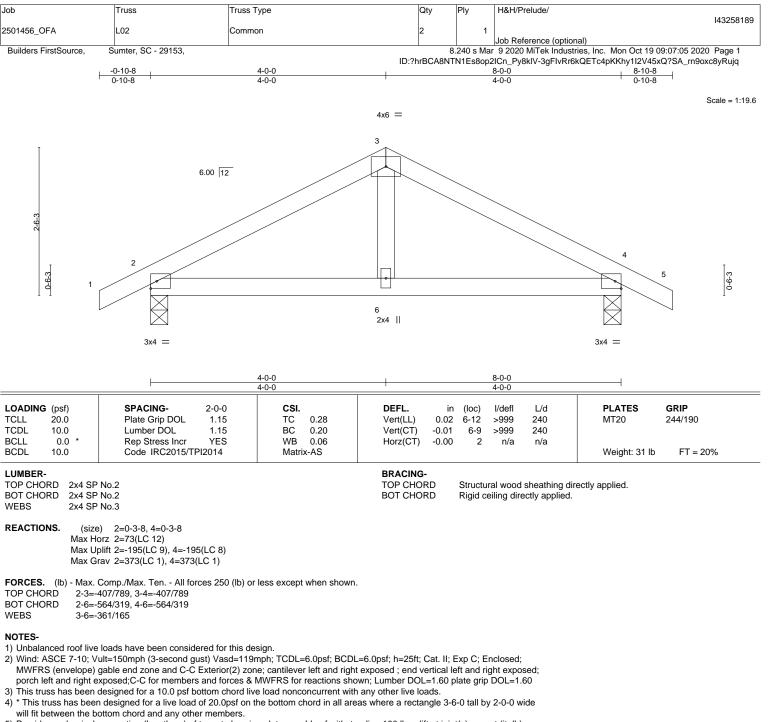
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 9=171, 8=164.



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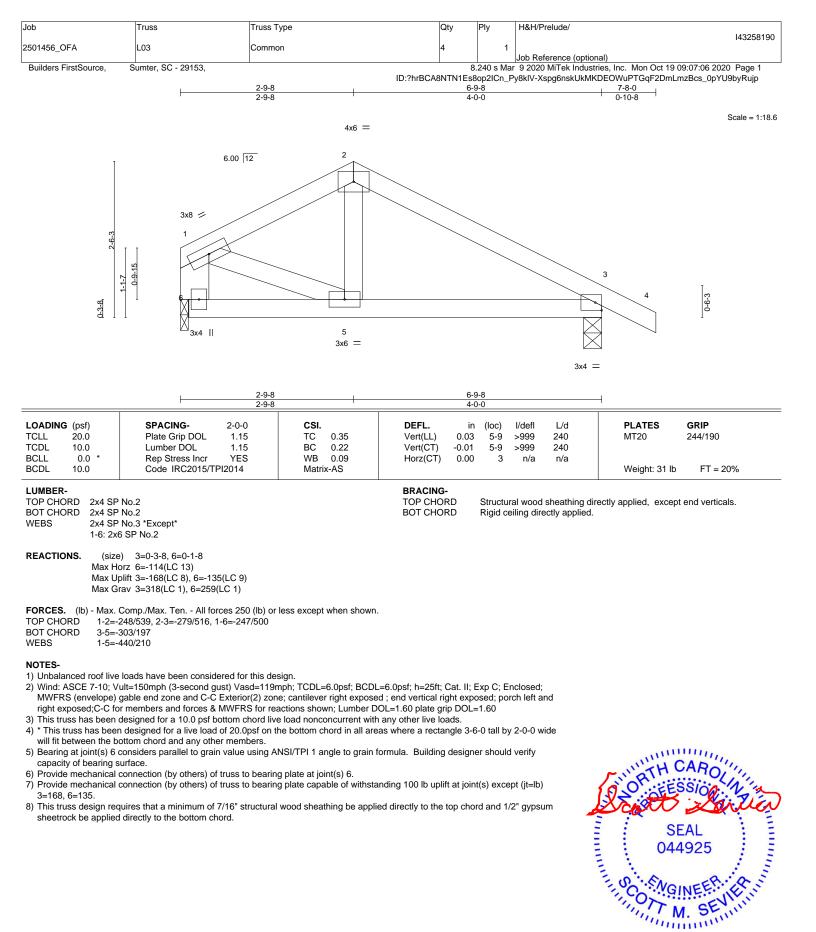
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=195, 4=195.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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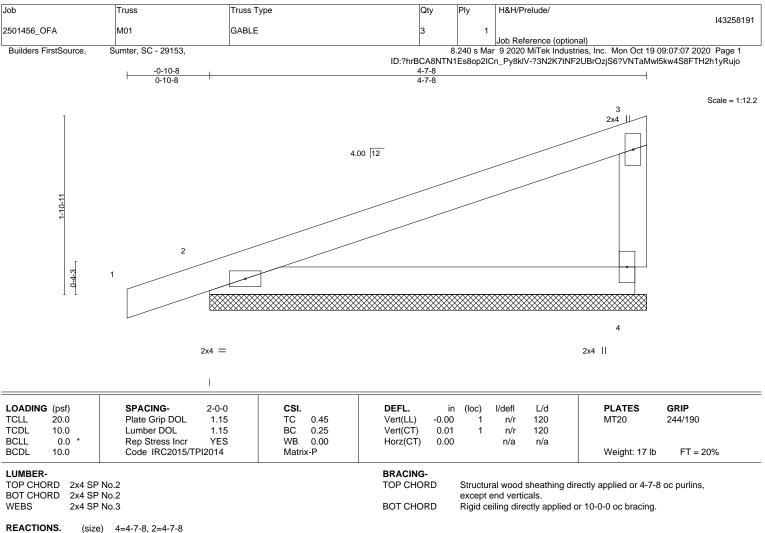




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October 21,2020



REACTIONS. (size) 4=4-7-8, 2=4-7-8 Max Horz 2=92(LC 8) Max Uplift 4=-65(LC 12), 2=-99(LC 8) Max Grav 4=174(LC 1), 2=237(LC 1)

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

NOTES-

- Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.

4) Gable studs spaced at 2-0-0 oc.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

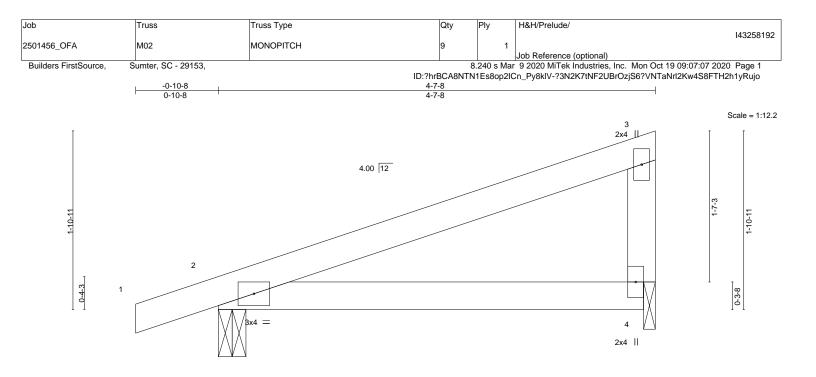
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



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	1				1
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loo	c) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.40	Vert(LL) 0.08 4-	-7 >664 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.40	Vert(CT) -0.04 4-	-7 >999 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00	2 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS			Weight: 17 lb FT = 20%

BRACING-TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2WEBS2x4 SP No.3

 WEBS
 2x4 SF No.2

REACTIONS. (size) 2=0-3-8, 4=0-1-8 Max Horz 2=93(LC 8) Max Uplift 2=-173(LC 8), 4=-136(LC 8) Max Grav 2=237(LC 1), 4=174(LC 1)

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

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=173, 4=136.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

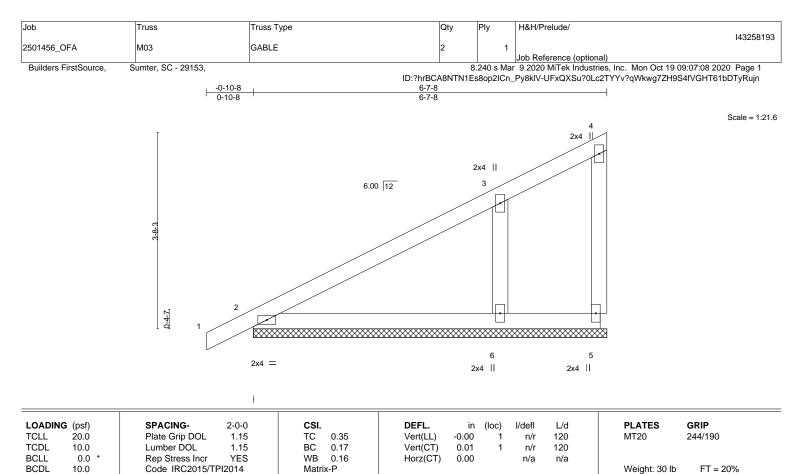


Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

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BRACING-

TOP CHORD

BOT CHORD

BODL	10.0

LUMBER-

 TOP CHORD
 2x4 SP No.2

 BOT CHORD
 2x4 SP No.2

 WEBS
 2x4 SP No.3

 OTHERS
 2x4 SP No.3

OTHERS 2x4 SP No.3 **REACTIONS.** (size) 5=6-7-8, 2=6-7-8, 6=6-7-8

Max Horz 2=174(LC 12) Max Uplift 5=-8(LC 19), 2=-15(LC 12), 6=-169(LC 12)

Max Grav 5=4(LC 12), 2=209(LC 1), 6=370(LC 1)

- FORCES. (Ib) Max. Comp./Max. Ten. All forces 250 (Ib) or less except when shown.
- TOP CHORD 2-3=-265/120

WEBS 3-6=-313/524

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

3) Gable requires continuous bottom chord bearing.

4) Gable studs spaced at 2-0-0 oc.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2 except (jt=lb) 6=169.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

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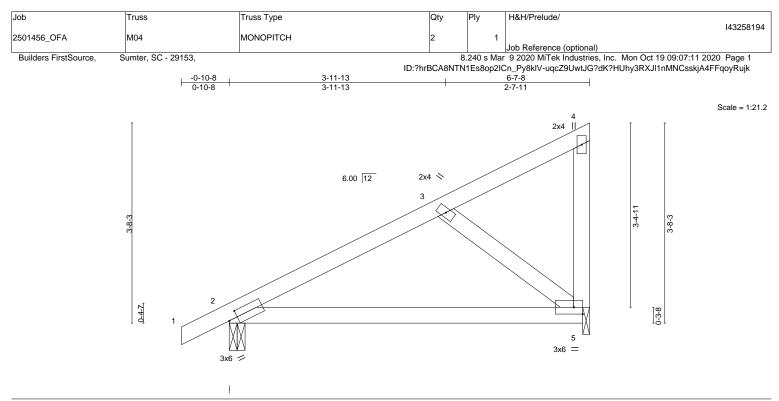


Plate Off	sets (X,Y)	[2:0-2-0,0-1-8]									
LOADIN	· · ·	SPACING- 2-0			DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.	15 TC	0.53	Vert(LL)	0.20	5-8	>395	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.1	15 BC	0.60	Vert(CT)	-0.11	5-8	>702	240		
BCLL	0.0 *	Rep Stress Incr YE	S WE	3 0.17	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI201	4 Ma	trix-AS						Weight: 31 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2WEBS2x4 SP No.3

REACTIONS. (size) 2=0-3-8, 5=0-1-8 Max Horz 2=173(LC 12) Max Uplift 2=-92(LC 8), 5=-117(LC 12)

Max Uplift 2=-92(LC 8), 5=-117(LC 12 Max Grav 2=315(LC 1), 5=256(LC 1)

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

BOT CHORD 2-5=-466/208

WEBS 3-5=-260/584

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

 Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 5=117.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

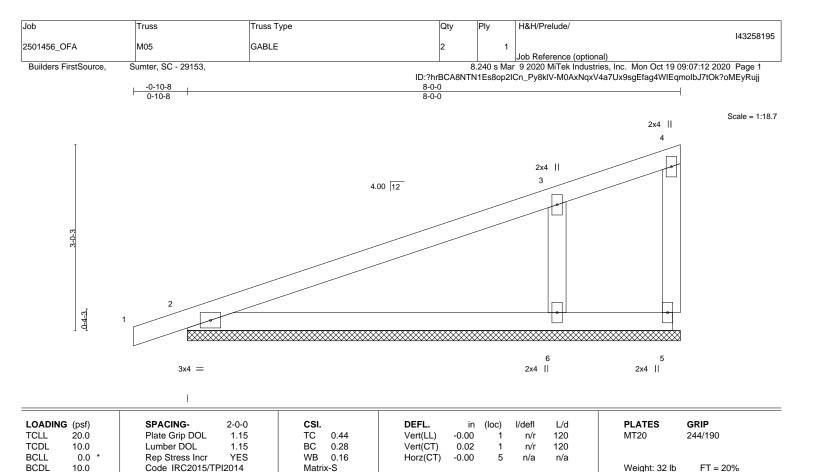


Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designe. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSIVTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





BRACING-

TOP CHORD

BOT CHORD

11	JM	R	F	R-	

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD WEBS OTHERS

2x4 SP No.3 2x4 SP No.3

REACTIONS. (size) 5=8-0-0, 2=8-0-0, 6=8-0-0

Max Horz 2=146(LC 8) Max Uplift 5=-86(LC 1), 2=-85(LC 8), 6=-192(LC 12) Max Grav 5=31(LC 12), 2=247(LC 1), 6=520(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 3-6=-366/553

NOTES-

1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed;

MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

Gable requires continuous bottom chord bearing.

4) Gable studs spaced at 2-0-0 oc.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 6) will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2 except (jt=lb) 6=192.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing.

except end verticals.

🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MTReK connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general quidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component**
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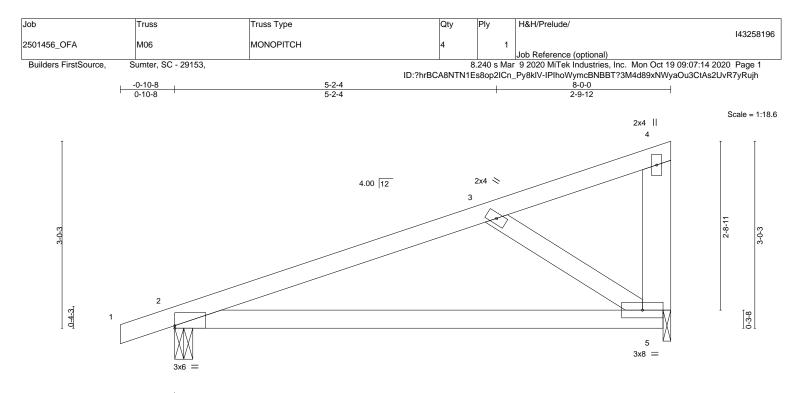


Plate Offs	ets (X,Y)	[2:Edge,0-0-8]									-	
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	тс	0.66	Vert(LL)	0.27	5-8	>349	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.15	5-8	>628	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TF	PI2014	Matri	x-AS						Weight: 36 lb	FT = 20%

BRACING-TOP CHORD

BOT CHORD

LUMBER-

 TOP CHORD
 2x4 SP No.2

 BOT CHORD
 2x4 SP No.2

 WEBS
 2x6 SP No.2 *Except*

 3-5: 2x4 SP No.3

REACTIONS. (size) 2=0-3-8, 5=0-1-8 Max Horz 2=146(LC 8) Max Uplift 2=-256(LC 8), 5=-241(LC 8) Max Grav 2=366(LC 1), 5=308(LC 1)

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

 TOP CHORD
 2-3=-390/560

 BOT CHORD
 2-5=-722/354

WEBS 3-5=-376/712

NOTES-

 Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=256, 5=241.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

SEAL 044925 October 21,2020

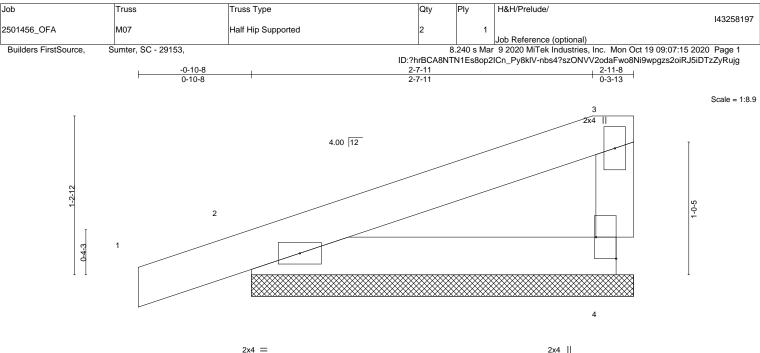
Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

ENGINEERING BY REENCO A MiTek Affiliate 818 Soundside Road

Edenton, NC 27932

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Plate Offsets (X,Y)--[4:Edge,0-1-14] SPACING-PLATES GRIP LOADING (psf) 2-0-0 CSI. DEFL. in (loc) l/defl L/d TCLL 20.0 Plate Grip DOL 1.15 тс 0.15 Vert(LL) -0.00 120 MT20 244/190 n/r TCDL 10.0 Lumber DOL 1.15 BC 0.09 Vert(CT) 0.00 n/r 120 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 n/a n/a 4 Code IRC2015/TPI2014 FT = 20% BCDL 10.0 Matrix-P Weight: 11 lb LUMBER-BRACING-TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, BOT CHORD 2x4 SP No.2 except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

WEBS 2x4 SP No.3

REACTIONS. (size) 4=2-11-8, 2=2-11-8 Max Horz 2=84(LC 9) Max Uplift 4=-63(LC 12), 2=-141(LC 8) Max Grav 4=104(LC 1), 2=173(LC 1)

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

NOTES-

1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

3) Gable requires continuous bottom chord bearing.

4) Gable studs spaced at 2-0-0 oc.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

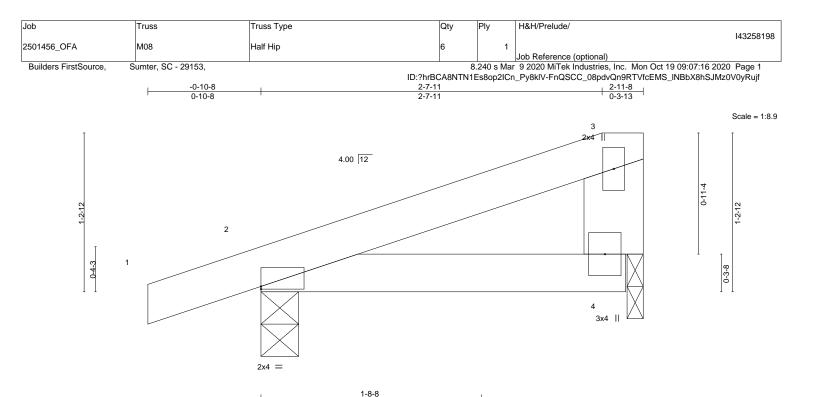
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=141.



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 Satisfies
 Ansi/TPH Qu

 Safety Information
 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





.OADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
FCLL 20.0	Plate Grip DOL 1.15	TC 0.13	Vert(LL) 0.01 4-7 >999 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.13	Vert(CT) -0.00 4-7 >999 240	
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00 2 n/a n/a	
3CDL 10.0	Code IRC2015/TPI2014	Matrix-MP		Weight: 12 lb FT = 20%

TOP CHORD

BOT CHORD

1-8-8

2x4 SP No.2 TOP CHORD 2x4 SP No.2 BOT CHORD WEBS 2x6 SP No.2

REACTIONS. (size) 2=0-3-8, 4=0-1-8 Max Horz 2=90(LC 8)

Max Uplift 2=-178(LC 8), 4=-107(LC 8) Max Grav 2=170(LC 1), 4=101(LC 1)

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

NOTES-

1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=178, 4=107.



Structural wood sheathing directly applied or 2-11-8 oc purlins,

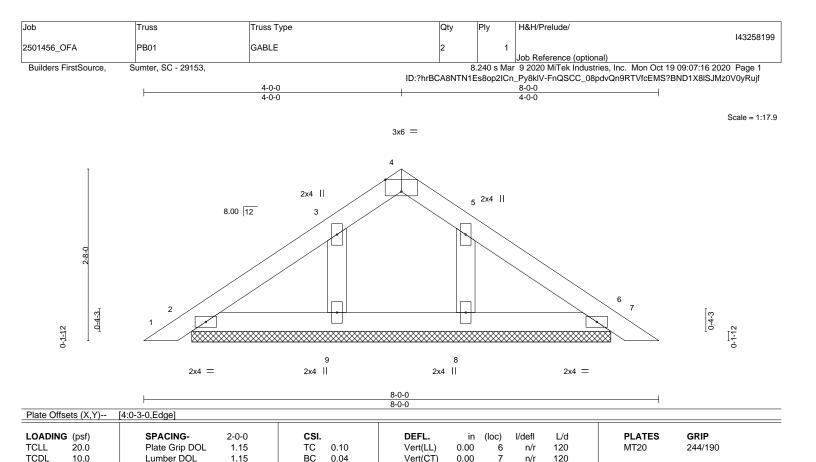
Rigid ceiling directly applied or 10-0-0 oc bracing

except end verticals.

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 Satisfy of the storage, delivery, erection and bracing of trusses and truss systems, see
 ANSI/TPH Qu

 Safety Information
 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

6

n/a

n/a

Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

Weight: 28 lb

FT = 20%

0.00

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BCLL

BCDL

LUMBER-

OTHERS

BOT CHORD

REACTIONS.

0.0

TOP CHORD 2x4 SP No.2

(lb) -

2x4 SP No.2

2x4 SP No.3

All bearings 6-6-2.

Max Horz 2=-111(LC 10)

10.0

1) Unbalanced roof live loads have been considered for this design.

Rep Stress Incr

Code IRC2015/TPI2014

Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 8 FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 9=-161(LC 12), 8=-159(LC 13)

WВ

Matrix-P

0.06

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

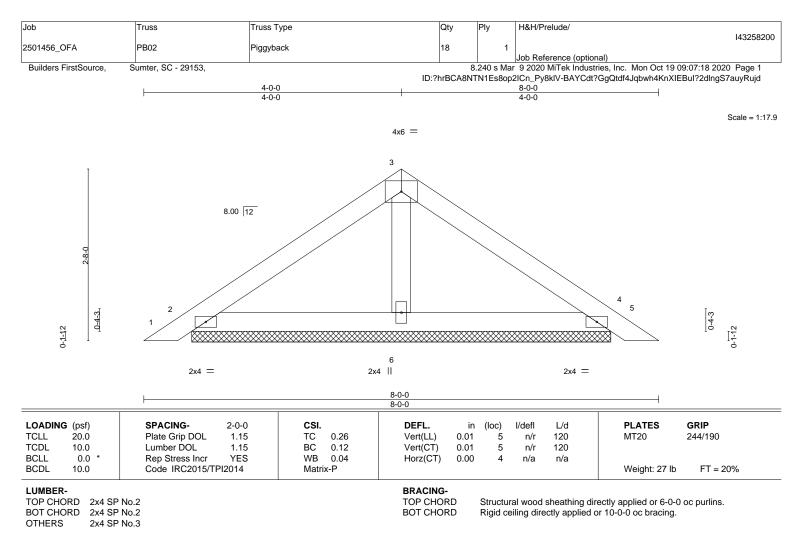
YES

- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 9=161, 8=159.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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REACTIONS. (size) 2=6-6-2, 4=6-6-2, 6=6-6-2 Max Horz 2=111(LC 11) Max Uplift 2=-113(LC 12), 4=-128(LC 13), 6=-46(LC 12) Max Grav 2=171(LC 1), 4=180(LC 20), 6=236(LC 1)

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

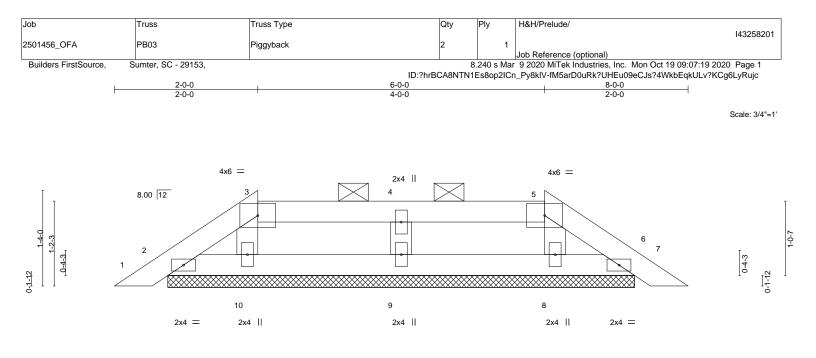
NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=113, 4=128.
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/T	PI2014	Matrix	x-P						Weight: 25 lb	FT = 20%

BOT CHORD

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2WEBS2x4 SP No.3

2-0-0 oc purlins (6-0-0 max.): 3-5. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 6-6-2. (lb) - Max Horz 2=49(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8 except 9=-117(LC 8) Max Grav All reactions 250 lb or less at joint(s) 2, 6, 10, 8, 9

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8 except (jt=lb) 9=117.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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