

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 20585A 243.2939.D Ext CVP

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I36893752 thru I36893810

My license renewal date for the state of North Carolina is December 31, 2019.

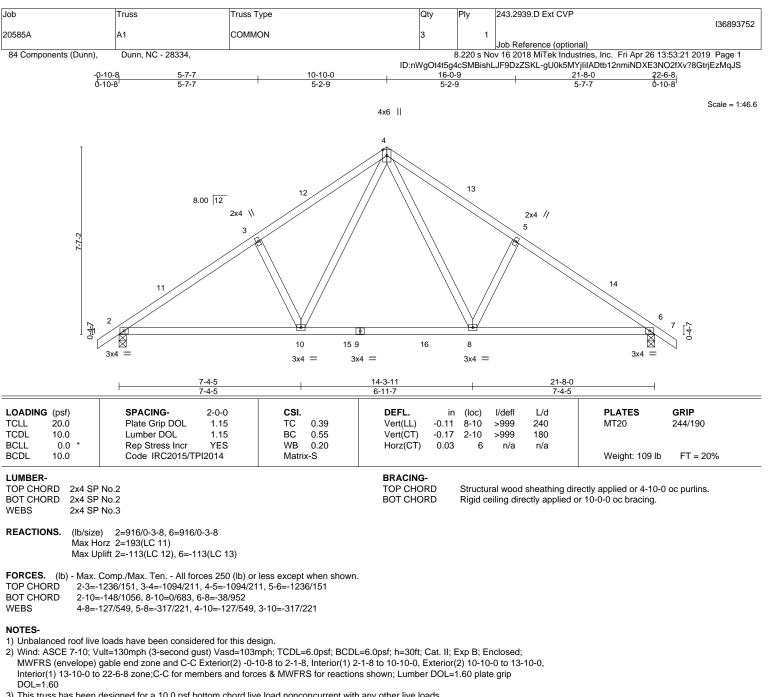
North Carolina COA: C-0844



April 29,2019

Sevier, Scott

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.



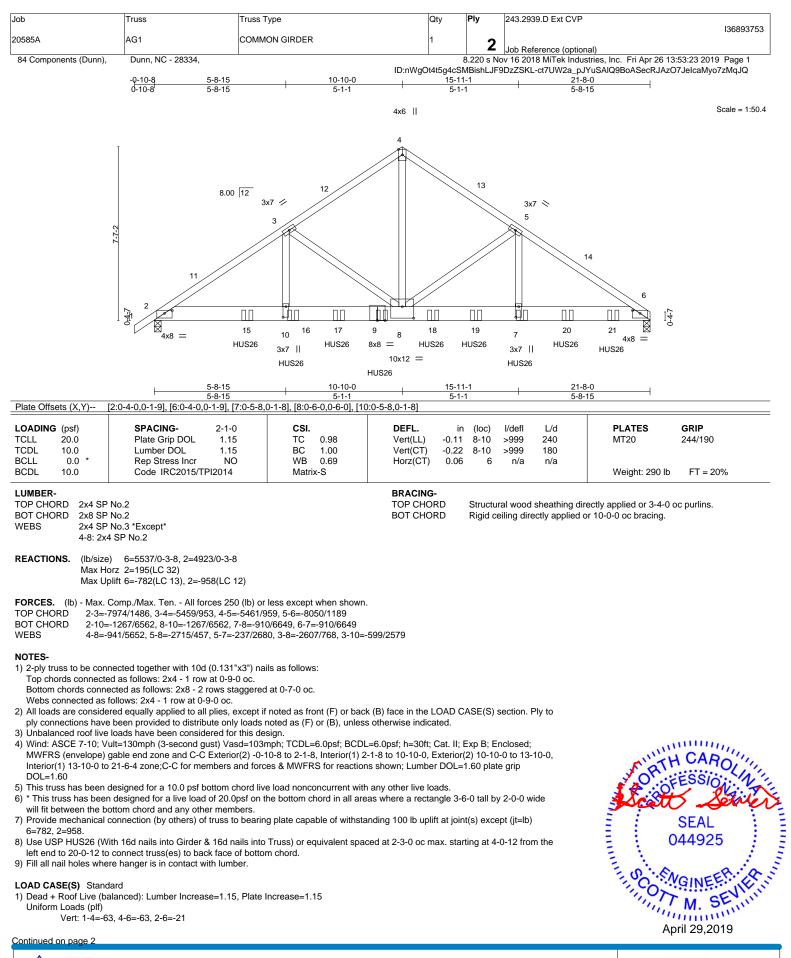
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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, with BCDL = 10.0psf.

5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.



818 Soundside Road Edenton, NC 27932



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 ocllapse 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

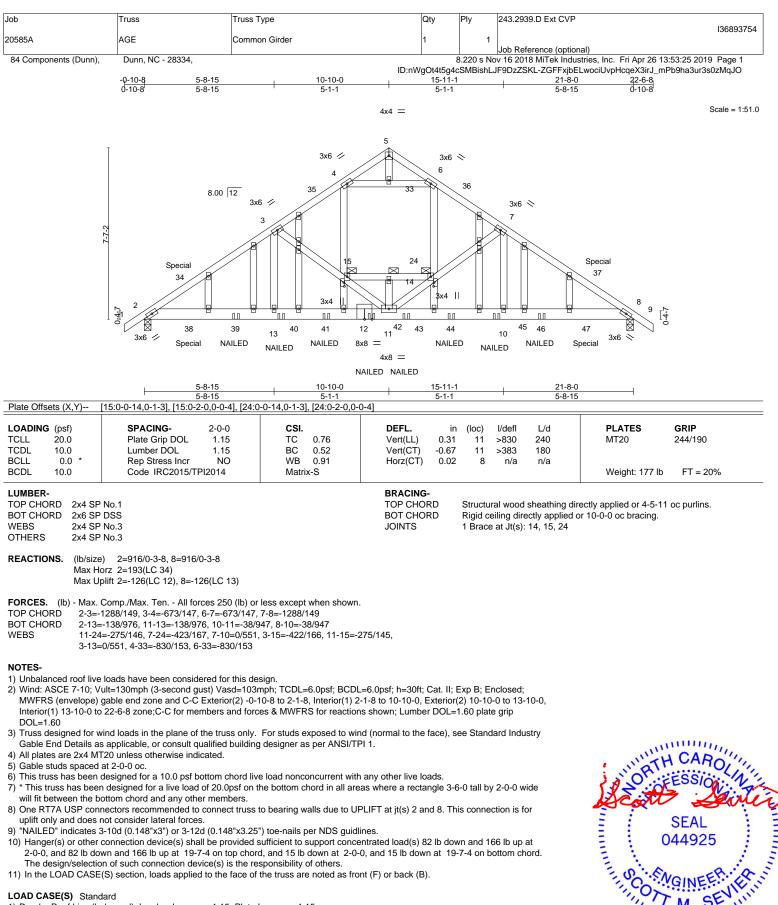
818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	243.2939.D Ext CVP
					136893753
20585A	AG1	COMMON GIRDER	1	2	
				_	Job Reference (optional)
84 Components (Dunn),	Dunn, NC - 28334,			3.220 s No	v 16 2018 MiTek Industries, Inc. Fri Apr 26 13:53:23 2019 Page 2
		ID:nWgC	Dt4t5g4cSM	//BishLJF9	DzZSKL-ct7UW2a_pJYuSAlQ9BoASecRJAzO7JeIcaMyo7zMqJQ

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 9=-915(B) 7=-915(B) 15=-1293(B) 16=-915(B) 17=-915(B) 18=-915(B) 19=-915(B) 20=-915(B) 21=-915(B)





11) 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

Continued on page 2

🔺 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 besign valid for dise only with with every contractors. This design is based only upon 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 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



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(IIIIIII) April 29,2019

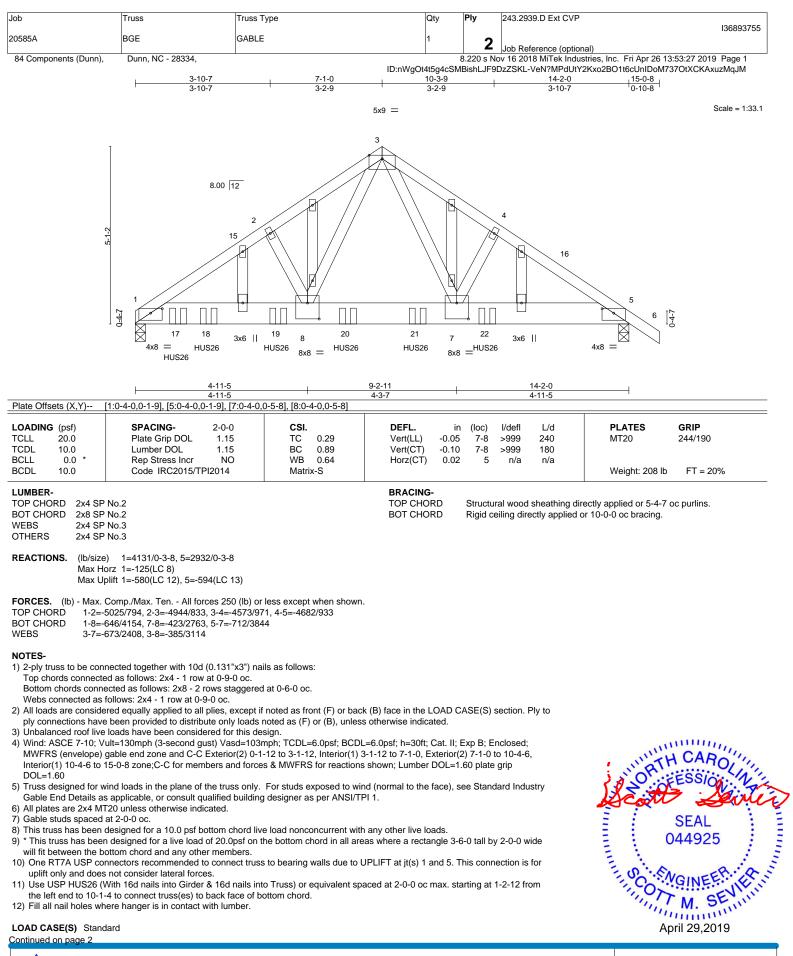
Job	Truss	Truss Type	Qty	Ply	243.2939.D Ext CVP
					136893754
20585A	AGE	Common Girder	1	1	
					Job Reference (optional)
84 Components (Dunn),	Dunn, NC - 28334,		8	3.220 s No	v 16 2018 MiTek Industries, Inc. Fri Apr 26 13:53:25 2019 Page 2

ID:nWgOt4t5g4cSMBishLJF9DzZSKL-ZGFFxjbELwociUvpHcqeX3irJ_mPb9ha3ur3s0zMqJO

LOAD CASE(S) Standard

Uniform Loads (plf) Vert: 1-5=-60, 5-9=-60, 2-8=-20





818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	243.2939.D Ext CVP
					136893755
20585A	BGE	GABLE	1	2	
				2	Job Reference (optional)
84 Components (Dunn),	Dunn, NC - 28334,		8	8.220 s No	v 16 2018 MiTek Industries, Inc. Fri Apr 26 13:53:27 2019 Page 2

ID:nWgOt4t5g4cSMBishLJF9DzZSKL-VeN?MPdUtY2Kxo2BO1t6cUnIDoM737OtXCKAxuzMqJM

LOAD CASE(S) Standard

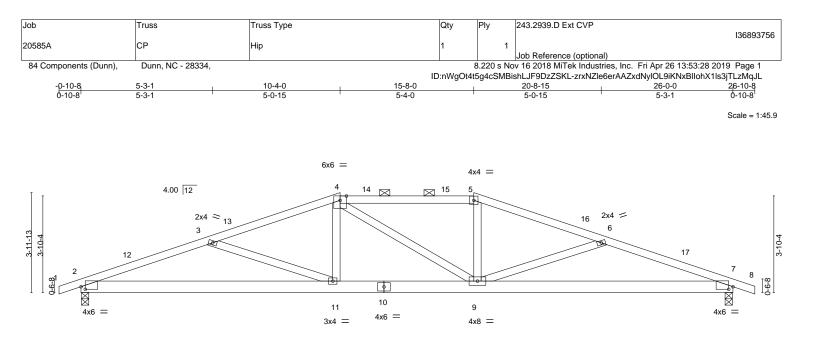
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-3=-60, 3-6=-60, 1-5=-20

Concentrated Loads (lb)

Vert: 17=-920(B) 18=-920(B) 19=-920(B) 20=-920(B) 21=-917(B) 22=-1293(B)





0-0-4	5-3-1	10-4-0			15-8-0			20-8-1	5	25-11-12	26-0-0
0-0-4	5-2-13	5-0-15		1	5-4-0			5-0-1	5	5-2-13	0-0-4
Plate Offsets (X,Y)	[2:0-2-1,0-1-3], [7:0-2-1	,0-1-3]									
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/7	2-0-0 1.15 1.15 YES I'PI2014	BC	0.67 0.70 0.20 -S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.22 -0.27 0.06	7-9	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 138 lb	GRIP 244/190 FT = 20%
	P No.2 P No.3				BRACING- TOP CHOR BOT CHOR		except 2-0-0 o	c purlins	(3-8-1 max.):	ectly applied or 3-6-11 4-5. or 5-10-4 oc bracing.	oc purlins,

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

2-3=-2355/1469, 3-4=-1986/1379, 4-5=-1828/1326, 5-6=-1984/1378, 6-7=-2354/1469 TOP CHORD

BOT CHORD 2-11=-1345/2162, 9-11=-1200/1830, 7-9=-1342/2162

WEBS 3-11=-359/240, 4-11=-293/359, 5-9=-299/358, 6-9=-360/240

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-4-0, Exterior(2) 10-4-0 to 14-6-15, Interior(1) 14-6-15 to 15-8-0, Exterior(2) 15-8-0 to 19-10-15, Interior(1) 19-10-15 to 26-10-8 zone; porch 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.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=438.

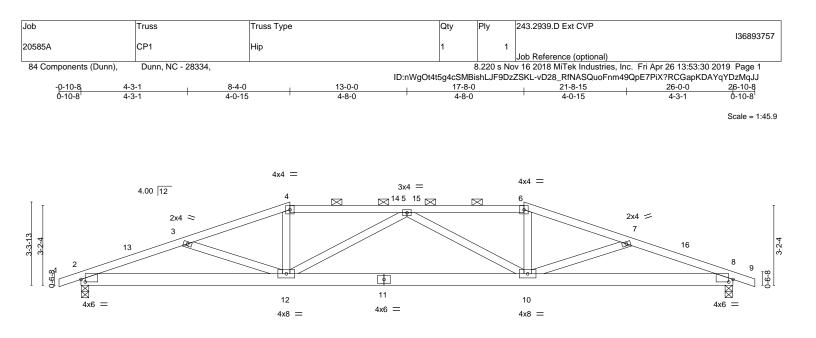
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

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



818 Soundside Road Edenton, NC 27932





0-0-4	<u>8-4-0</u> 8-3-12		<u>17-8-0</u> 9-4-0			<u>25-11-12</u> 8-3-12	<u>26-</u> 0-0 0-0-4
Plate Offsets (X,Y)	[2:0-2-1,0-1-3], [8:0-2-1,0-1-3]		0.10			0012	
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 0.67 BC 0.67 WB 0.28 Matrix-S	Vert(CT) -0	in (loc) l/defl 0.21 10-12 >999 0.28 10-12 >999 0.06 8 n/a		PLATES MT20 Weight: 139 lb	GRIP 244/190 FT = 20%
Max H	° No.2		BRACING- TOP CHORD BOT CHORD	except 2-0-0 oc purlin	us (3-10-12 max	ectly applied or 3-7-12 (.): 4-6. or 5-10-15 oc bracing.	oc purlins,
TOP CHORD 2-3=- 7-8=- BOT CHORD 2-12:	Comp./Max. Ten All forces 250 (lb) or -2397/1555, 3-4=-2188/1528, 4-5=-2027 -2397/1555 =-1423/2198, 10-12=-1474/2334, 8-10=- =-375/446, 5-12=-460/192, 5-10=-460/19	/1458, 5-6=-2027/1458, 6· 1420/2198					
 2) Wind: ASCE 7-10; WMWFRS (envelope) Interior(1) 12-6-15 to for members and foi 3) Provide adequate di 4) This truss has been 5) * This truss has been will fit between the b 	e loads have been considered for this de /ult=130mph (3-second gust) Vasd=103 gable end zone and C-C Exterior(2) -0- o 17-8-0, Exterior(2) 17-8-0 to 21-11-13, rces & MWFRS for reactions shown; Lur rainage to prevent water ponding. designed for a 10.0 psf bottom chord liv n designed for a live load of 20.0psf on to sottom chord and any other members. connection (by others) of truss to bearing	mph; TCDL=6.0psf; BCDL 10-8 to 2-1-8, Interior(1) 2- Interior(1) 21-11-13 to 26- nber DOL=1.60 plate grip e load nonconcurrent with he bottom chord in all are	-1-8 to 8-4-0, Exterio -10-8 zone; porch lef DOL=1.60 any other live loads as where a rectangle	or(2) 8-4-0 to 12-6-1 ft and right exposed 5. e 3-6-0 tall by 2-0-0	5, l;C-C wide	kunnin ATT	CARO

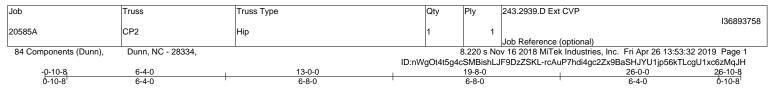
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=448.

7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

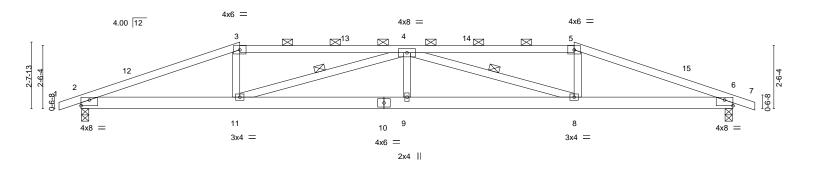
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.







Scale = 1:45.9



0-0-4	6-4-0	13-0-0		19-8-0	<u>25-11-12</u> <u>26-</u> 0-0
0-0-4 Plate Offsets (X,Y)	6-3-12 [2:Edge,0-2-12], [6:Edge,0-2-1	<u> </u>	·	6-8-0	<u>6-3-12</u> 0-d-4
	[z.Luge,0-z-12], [0.Luge,0-z-1				
LOADING (psf)	SPACING- 2-0	-0 CSI.	DEFL. in	(loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.1	15 TC 0.75	Vert(LL) 0.25	9 >999 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.1	I5 BC 0.77	Vert(CT) -0.36	9 >854 180	
BCLL 0.0 *	Rep Stress Incr YE	S WB 0.34	Horz(CT) 0.07	6 n/a n/a	
BCDL 10.0	Code IRC2015/TPI201	4 Matrix-S			Weight: 132 lb FT = 20%
LUMBER-			BRACING-		
TOP CHORD 2x4 S	P No.2	7	TOP CHORD	Structural wood sheathing dir	ectly applied or 2-9-1 oc purlins, except
BOT CHORD 2x6 S	P No.2			2-0-0 oc purlins (2-11-15 max	(.): 3-5.
WEBS 2x4 S	P No.3	E	BOT CHORD	Rigid ceiling directly applied of	or 5-0-15 oc bracing.
		١	WEBS	1 Row at midpt 4	-11, 4-8
REACTIONS. (lb/siz	ze) 2=1090/0-3-8, 6=1090/0-3	-8			
Max I	Horz 2=39(LC 12)				

Max Uplift 2=-455(LC 8), 6=-455(LC 9)

- TOP CHORD 2-3=-2454/1641, 3-4=-2221/1551, 4-5=-2221/1551, 5-6=-2454/1642
- BOT CHORD 2-11=-1494/2249, 9-11=-2056/3166, 8-9=-2056/3166, 6-8=-1490/2249
- WEBS 3-11=-413/506, 4-11=-1111/653, 4-9=-190/261, 4-8=-1111/653, 5-8=-413/506

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-4-0, Exterior(2) 6-4-0 to 10-6-15, Interior(1) 10-6-15 to 19-8-0, Exterior(2) 19-8-0 to 23-10-15, Interior(1) 23-10-15 to 26-10-8 zone; porch 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.

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

7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

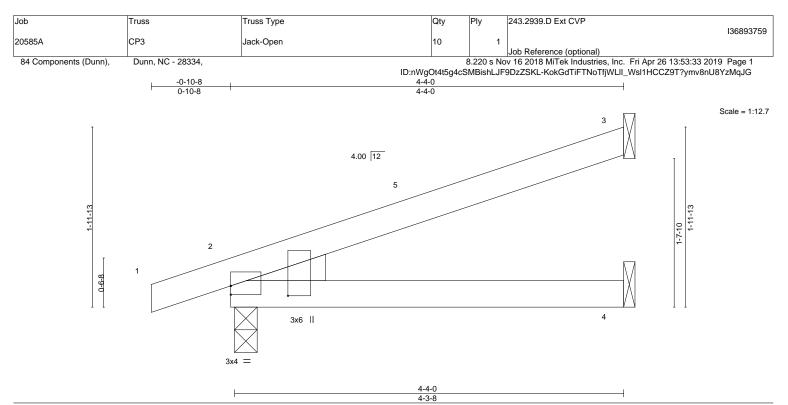
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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818 Soundside Road Edenton, NC 27932

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



OADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.45	Vert(LL)	0.03 2-4	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.21	Vert(CT)	-0.04 2-4	>999	180		
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-P					Weight: 16 lb	FT = 20%

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

TOP CHORD BOT CHORD

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

Left: 2x4 SP No.3

REACTIONS. (lb/size) 3=117/Mechanical, 2=233/0-3-0, 4=41/Mechanical Max Horz 2=67(LC 8) Max Uplift 3=-66(LC 12), 2=-100(LC 8), 4=-13(LC 8) Max Grav 3=117(LC 1), 2=233(LC 1), 4=83(LC 3)

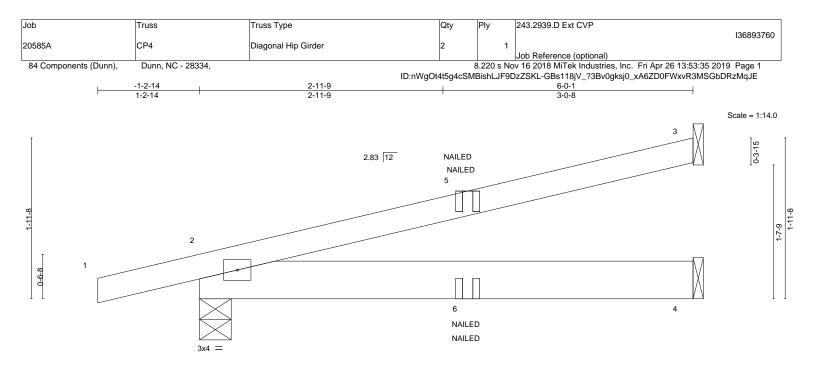
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-3-4 zone; 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) 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, 4.
- 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.







			<u>6-0-1</u> 6-0-1					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	(/	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.67	Vert(LL) 0.04	2-4	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.21	Vert(CT) -0.03	2-4	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P					Weight: 25 lb	FT = 20%

BRACING-TOP CHORD

BOT CHORD

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

REACTIONS. 3=162/Mechanical, 2=326/0-4-10, 4=57/Mechanical (lb/size) Max Horz 2=67(LC 27) Max Uplift 3=-81(LC 12), 2=-150(LC 8), 4=-18(LC 8) Max Grav 3=162(LC 1), 2=326(LC 1), 4=115(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-2-14 to 3-0-1, Exterior(2) 3-0-1 to 5-11-5 zone; 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) 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, 4.
- 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 8) 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, 2-4=-20



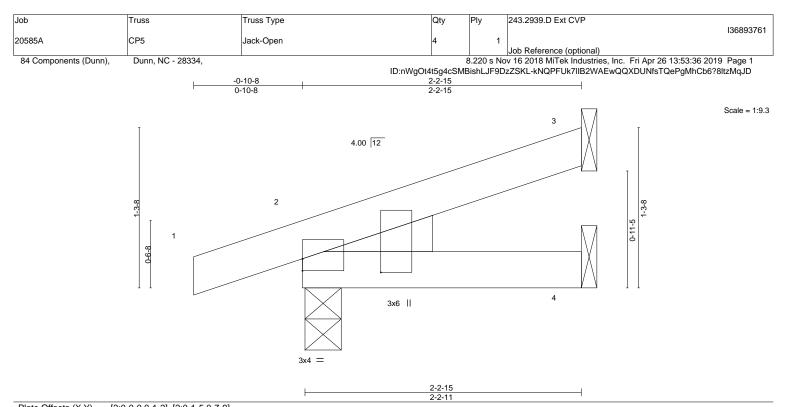
Structural wood sheathing directly applied or 6-0-0 oc purlins.

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. 10/03/2015 BEFORE USE Design valid for use only design parameters and READ NOTES ON TIPS ON TIPS ON TIPS REPRETED FACE PAGE MIT-14/3 refer to 100 Sec. Design valid for use only with MTRK exposed on context 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 **ANSITP11 Quality Criteria, DSB-89 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



LUMBER-



_OADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
FCLL 20.0	Plate Grip DOL 1.15	TC 0.19	Vert(LL) -0.	0 2-4	>999	240	MT20	244/190
FCDL 10.0	Lumber DOL 1.15	BC 0.04	Vert(CT) -0.	0 2-4	>999	180		
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-P					Weight: 10 lb	FT = 20%

TOP CHORD

BOT CHORD

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

Left: 2x4 SP No.3

REACTIONS. (lb/size) 3=46/Mechanical, 2=158/0-3-8, 4=20/Mechanical Max Horz 2=40(LC 8) Max Uplift 3=-31(LC 12), 2=-75(LC 8), 4=-7(LC 8) Max Grav 3=46(LC 1), 2=158(LC 1), 4=41(LC 3)

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

NOTES-

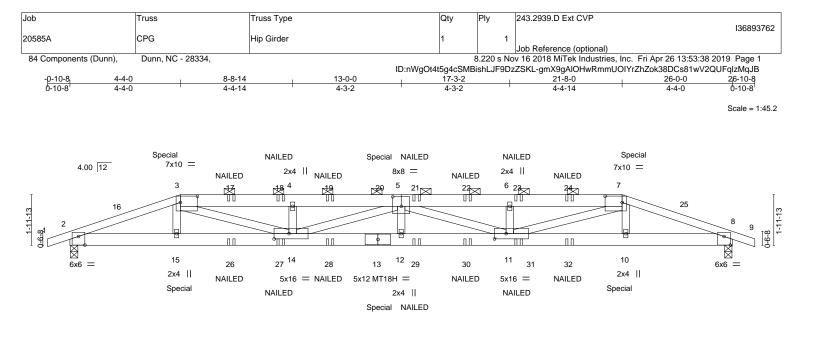
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed;
- MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 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, 4.
- 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.



Structural wood sheathing directly applied or 2-2-15 oc purlins.

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





0-9-4	4-4-0	8-8-14	13-0-0	17-		21-8-0	25-11-1	
0-0-4	4-3-12	4-4-14	4-3-2	4-3	_	4-4-14	4-3-12	2 0-0-4
late Offsets (X,Y)-	- [2:0-3-0,0-4-1],	[3:0-8-0,0-3-0], [5:0-4-0,	0-4-8], [7:0-8-0,0-3-0], [8:0	J-3-0,0-4-1], [11:0-:	5-8,0-2-8], [1	4:0-7-0,0-2-8]	1	
OADING (psf) CLL 20.0	SPACIN Plate G		CSI. TC 0.75	DEFL. Vert(LL)	in (loc) 0.54 12		PLATES MT20	GRIP 244/190
CDL 10.0	Lumber	·	BC 0.56	· · ·	·0.70 12		MT18H	244/190
CLL 0.0 *	Rep Str		WB 0.98	(-)	0.09 8		WITTOTT	244/100
CDL 10.0		RC2015/TPI2014	Matrix-S	()			Weight: 152 lb	FT = 20%
UMBER-			· · · · · · · · · · · · · · · · · · ·	BRACING-				
OP CHORD 2x4	SP No.2 *Except*			TOP CHORE	Struct	tural wood sheathing di	rectly applied or 2-8-1	oc purlins, except
	,5-7: 2x6 SP No.2					oc purlins (2-8-5 max.)		
	SP DSS			BOT CHORE) Rigid	ceiling directly applied	or 4-5-14 oc bracing.	
VEBS 2x4	SP No.3							
Ma	size) 2=1591/0- x Horz 2=-28(LC x Uplift 2=-746(LC	17)						
ORCES. (Ib) - M	ax. Comp./Max. Te	en All forces 250 (lb) or	less except when shown.					
	,-	=-5792/3248, 4-5=-5790	/3247, 5-6=-5777/3244, 6-	-7=-5779/3245,				
	8=-3898/2165	4-151979/3601 12-14-	-3645/6616, 11-12=-3645	6616				
	0-11=-1970/3591,		- 3043/0010, 11 12= 3043	<i>"</i> 0010,				
			/209, 5-14=-887/496, 5-12	2=-117/291,				
5-	11=-901/500, 6-11	=-400/207, 7-11=-1300/2	2357, 7-10=-121/320					
IOTES-								
		en considered for this de						
) Wind: ASCE 7-10	0; Vult=130mph (3		mph; TCDL=6.0psf; BCDL			Enclosed;		

27 Wind, Note Prior, Value Formprior Gracoting gasty Vasie Formpri, Foble=0.0pst, BobL=0.0pst, BobL=0.0pst

- Provide adequate drainage to prevent water ponding.
 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=746, 8=744.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 181 lb down and 227 lb up at 4-4-0, and 57 lb down and 97 lb up at 12-2-8, and 181 lb down and 227 lb up at 21-8-0 on top chord, and 101 lb down and 80 lb up at 4-4-0, and 43 lb down and 33 lb up at 12-2-8, and 101 lb down and 80 lb up at 21-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) 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

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANSITPTI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



mining



Job	Truss	Truss Type	Qty	Ply	243.2939.D Ext CVP
					136893762
20585A	CPG	Hip Girder	1	1	
					Job Reference (optional)
84 Components (Dunn),	Dunn, NC - 28334,		8	3.220 s No	v 16 2018 MiTek Industries, Inc. Fri Apr 26 13:53:38 2019 Page 2

ID:nWgOt4t5g4cSMBishLJF9DzZSKL-gmX9gAlOHwRmmUOlYrZhZok38DCs81wV2QUFqlzMqJB

LOAD CASE(S) Standard

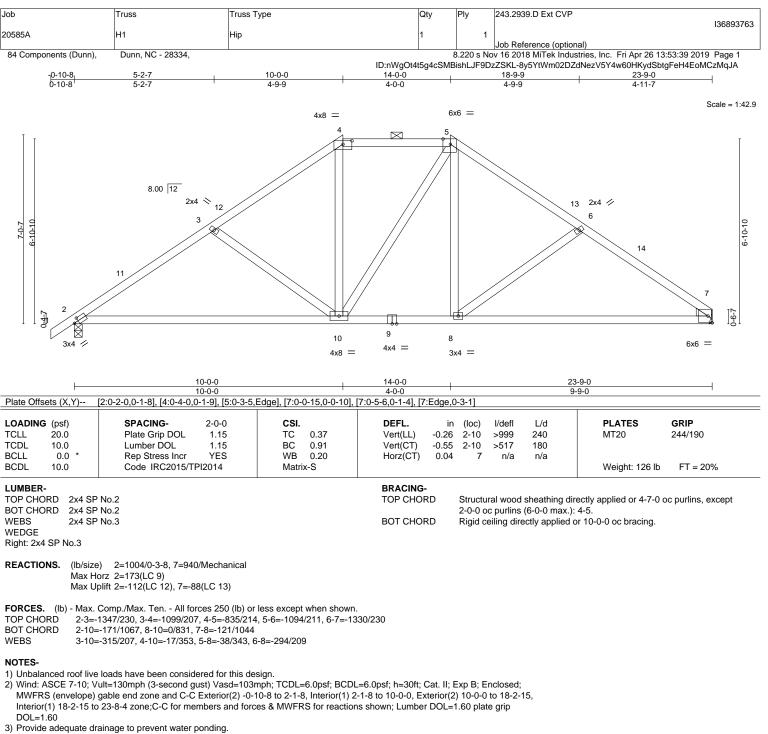
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-3=-60, 3-7=-60, 7-9=-60, 2-8=-20

Concentrated Loads (lb)

Vert: 3=-134(F) 7=-134(F) 13=-21(F) 15=-51(F) 10=-51(F) 17=-57(F) 18=-57(F) 19=-57(F) 20=-57(F) 21=-57(F) 22=-57(F) 23=-57(F) 24=-57(F) 26=-21(F) 27=-21(F) 28=-21(F) 30=-21(F) 31=-21(F) 32=-21(F) 32=-21(F)





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.

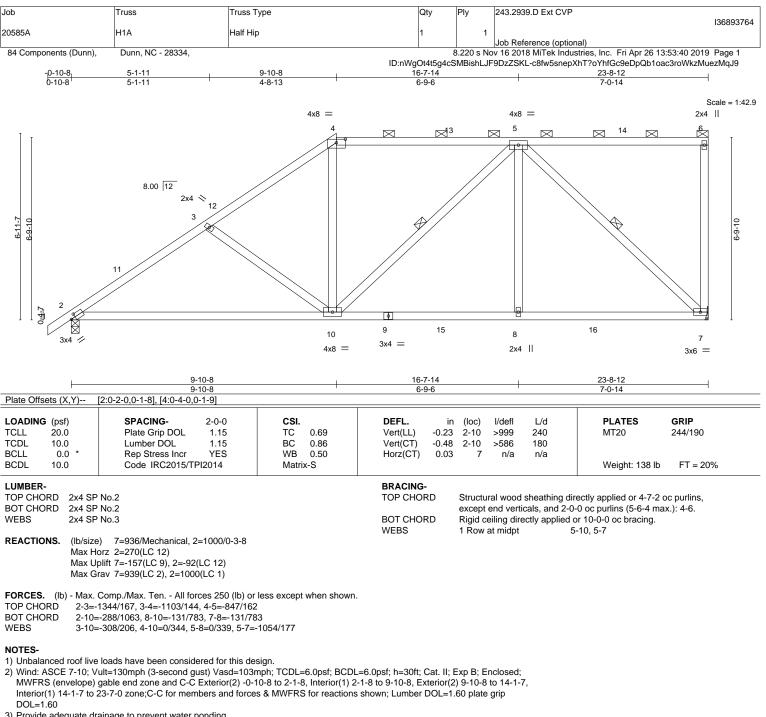
6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=112.

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







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.

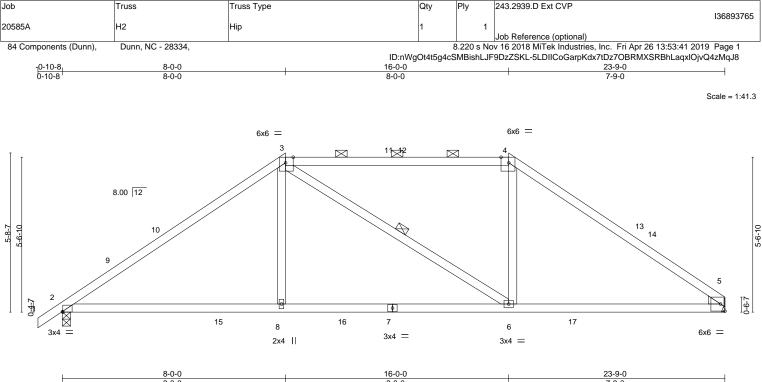
6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 7=157

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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	0-0-0	1	10-0-0		1		23-9-0	1
I	8-0-0	1	8-0-0				7-9-0	1
Plate Offsets (X,Y)	[2:0-0-3,Edge], [3:0-3-5,Edge], [4:0-3	-5,Edge], [5:0-0-15,0-0-10],	[5:0-5-6,0-1-4], [5:Edge	,0-3-1]				
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 0.94	Vert(LL) 0.1	· · ·		240	MT20	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.68	Vert(CT) -0.2	2 2-8	>999	180	-	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.0	4 5	n/a	n/a		
3CDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 107 lb	FT = 20%
UMBER-		·	BRACING-				·	
OP CHORD 2x4 S	P No.1		TOP CHORD	Struct	ural wood sh	eathing dir	ectly applied, except	
BOT CHORD 2x4 S	P No.2			2-0-0	oc purlins (3-	-6-12 max.)): 3-4.	
VEBS 2x4 S	P No.3		BOT CHORD	Rigid o	ceiling direct	ly applied c	or 10-0-0 oc bracing.	
NEDGE			WEBS	1 Row	at midpt	3	-6	
Right: 2x4 SP No.3								

REACTIONS. (lb/size) 2=1004/0-3-8, 5=940/Mechanical Max Horz 2=140(LC 11) Max Uplift 2=-97(LC 12), 5=-73(LC 13)

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

TOP CHORD 2-3=-1340/186, 3-4=-978/225, 4-5=-1316/188

BOT CHORD 2-8=-84/1023, 6-8=-86/1014, 5-6=-44/986

WEBS 3-8=0/350, 4-6=0/352

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 8-0-0, Exterior(2) 8-0-0 to 12-2-15, Interior(1) 12-2-15 to 16-0-0, Exterior(2) 16-0-0 to 20-2-15, Interior(1) 20-2-15 to 23-8-4 zone; 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.

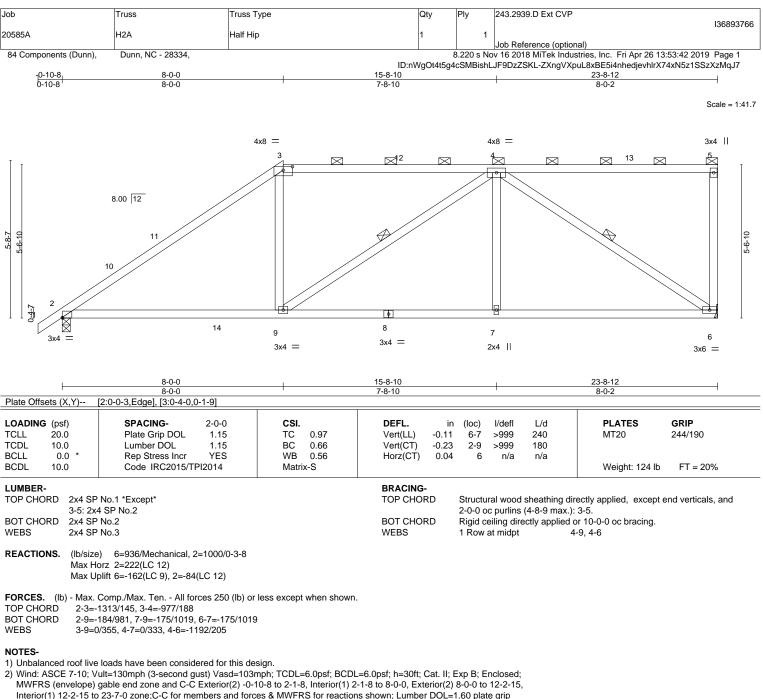
6) Refer to girder(s) for truss to truss connections.

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

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







Interior(1) 12-2-15 to 23-7-0 zone;C-C for members and forces & MWFRS for rea 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) Refer to girder(s) for truss to truss connections.

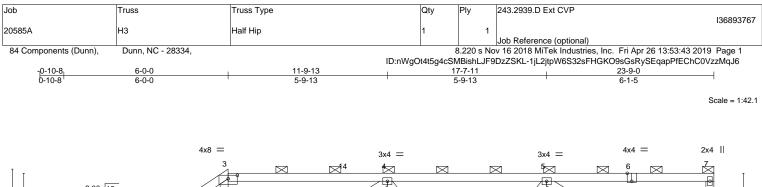
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 6=162.

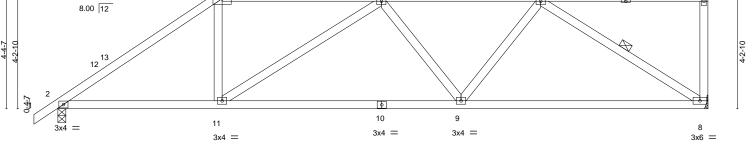
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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 	6-0-0	<u>14-8-12</u> 8-8-12			<u>23-9-0</u> 9-0-4	
Plate Offsets (X,Y)	[3:0-4-0,0-1-9], [6:0-2-0,Edge]	0012			004	
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 0.59 BC 0.84 WB 0.50 Matrix-S	DEFL. in Vert(LL) -0.15 Vert(CT) -0.32 Horz(CT) 0.05	8-9 >999 240 8-9 >875 180		GRIP 244/190 FT = 20%
Max H	P No.2		BRACING- TOP CHORD BOT CHORD WEBS		directly applied or 3-11-0 oc 2-0-0 oc purlins (4-9-3 max.) ed or 10-0-0 oc bracing. 5-8	
TOP CHORD 2-3=- BOT CHORD 2-11=	Comp./Max. Ten All forces 250 (lb) o .1410/164, 3-4=-1072/186, 4-5=-1333/1 =-183/1085, 9-11=-265/1429, 8-9=-216/ =-4/462, 4-11=-499/189, 5-9=0/462, 5-8	96 1094				
 2) Wind: ASCE 7-10; W MWFRS (envelope) Interior(1) 10-2-15 to DOL=1.60 3) Provide adequate di 4) This truss has been 	a loads have been considered for this d (ult=130mph (3-second gust) Vasd=103 gable end zone and C-C Exterior(2) -0 o 23-7-4 zone;C-C for members and for rainage to prevent water ponding. designed for a 10.0 psf bottom chord lin n designed for a live load of 20.0psf on	mph; TCDL=6.0psf; BCDL= 10-8 to 2-1-8, Interior(1) 2-1 ces & MWFRS for reactions ve load nonconcurrent with a	-8 to 6-0-0, Exterior(2) shown; Lumber DOL= any other live loads.	6-0-0 to 10-2-15, 1.60 plate grip		

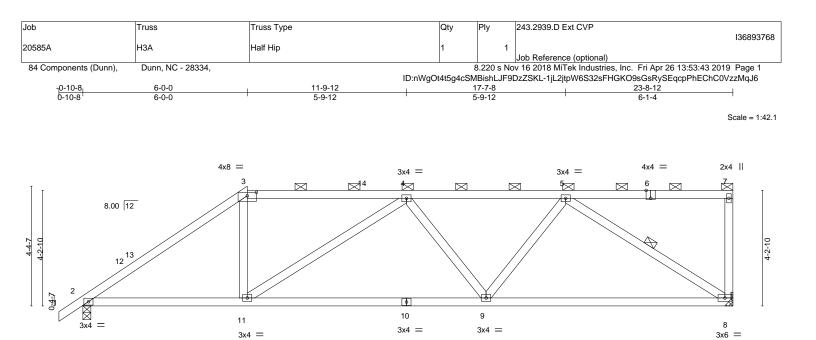
5) * This truss has been designed for a live load of 20.0pst on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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) 2 except (jt=lb) 8=166.

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





L	6-0-0	14-8-10		1	23-8-12
	6-0-0	8-8-10		•	9-0-2
Plate Offsets (X,Y)	[3:0-4-0,0-1-9], [6:0-2-0,Edge]				
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	BC 0.84 Ver	FL. in t(LL) -0.15 t(CT) -0.32 z(CT) 0.05	(loc) l/defl L/d 8-9 >999 240 8-9 >878 180 8 n/a n/a	PLATES GRIP MT20 244/190 Weight: 119 lb FT = 20%
BOT CHORD 2x4 S WEBS 2x4 S REACTIONS. (lb/si	SP No.2 SP No.2 SP No.3 Ze) 8=936/Mechanical, 2=1000/0-3-8	TOF	CHORD		directly applied or 3-11-2 oc purlins, 2-0-0 oc purlins (4-9-4 max.): 3-7. ed or 10-0-0 oc bracing. 5-8
Max FORCES. (lb) - Ma TOP CHORD 2-3 BOT CHORD 2-1	Horz 2=170(LC 12) Uplift 8=-166(LC 9), 2=-84(LC 9) c. Comp./Max. Ten All forces 250 (lb) c =-1409/164, 3-4=-1070/186, 4-5=-1330/1 1=-183/1083, 9-11=-265/1426, 8-9=-216, 1=-4/461, 4-11=-497/189, 5-9=0/462, 5-8	96 1092			
2) Wind: ASCE 7-10; MWFRS (envelop Interior(1) 10-2-15 DOL=1.60	ve loads have been considered for this d Vult=130mph (3-second gust) Vasd=10: a) gable end zone and C-C Exterior(2) -0 to 23-7-0 zone;C-C for members and for drainage to prevent water ponding.	3mph; TCDL=6.0psf; BCDL=6.0psf; h -10-8 to 2-1-8, Interior(1) 2-1-8 to 6-0	-0, Exterior(2)	6-0-0 to 10-2-15,	

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.

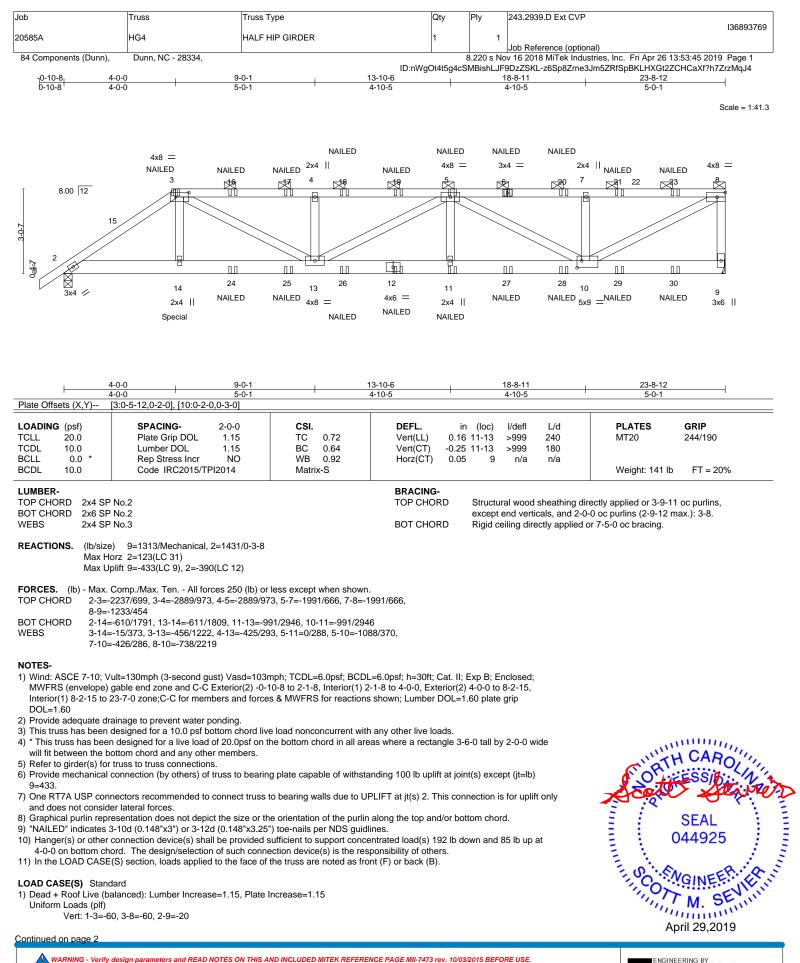
6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 8=166.

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







ArXiviviG - Verity design parameters and KEAD NOTES ON THIS AND INCLUDED MITER KETERANCE PAGE MIL-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTeR\@ 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 ANSUTPTI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

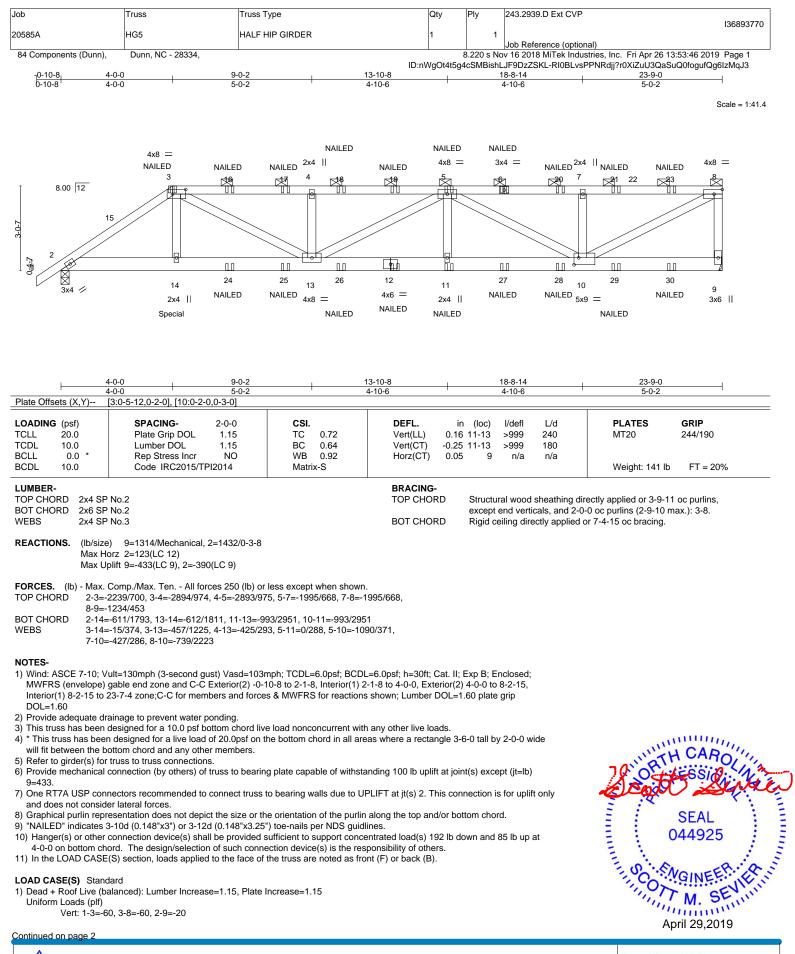
818 Soundside Road Edenton, NC 27932

[lob	Truss	Truss Type	Qty	Ply	243.2939.D Ext CVP
	05054					136893769
	20585A	HG4	HALF HIP GIRDER	1	1	
						Job Reference (optional)
	84 Components (Dunn),	Dunn, NC - 28334,			3.220 s No	v 16 2018 MiTek Industries, Inc. Fri Apr 26 13:53:45 2019 Page 2
			ID:nWg0	Ot4t5g4cS	MBishLJF	9DzZSKL-z6Sp8Zrne3Jm5ZRfSpBKLHXGt2ZCHCaXf?h7ZrzMqJ4

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 3=-46(B) 6=-46(B) 12=-18(B) 14=-192(B) 11=-18(B) 5=-46(B) 16=-46(B) 17=-46(B) 18=-46(B) 19=-46(B) 20=-46(B) 21=-46(B) 23=-46(B) 24=-18(B) 25=-18(B) 26=-18(B) 27=-18(B) 28=-18(B) 29=-18(B) 30=-18(B) 30=-18(B





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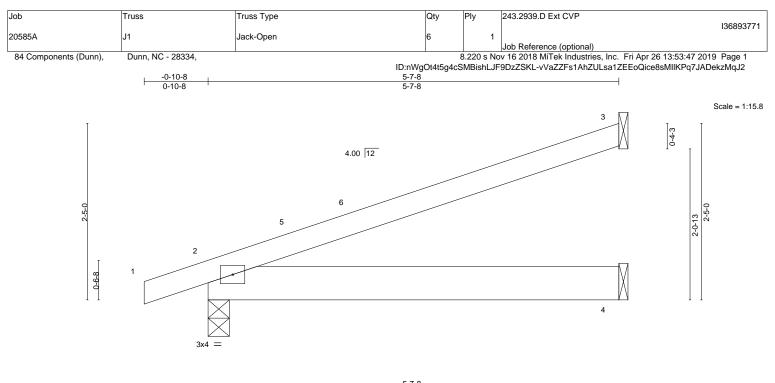
818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	243.2939.D Ext CVP
					136893770
20585A	HG5	HALF HIP GIRDER	1	1	
					Job Reference (optional)
84 Components (Dunn),	Dunn, NC - 28334,			3.220 s No	v 16 2018 MiTek Industries, Inc. Fri Apr 26 13:53:47 2019 Page 2
		ID:nWg	gOt4t5g4c	SMBishLJ	F9DzZSKL-vVaZZFs1AhZULsa1ZEEoQicbJsEfl61q7JADekzMqJ2

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 3=-46(F) 6=-46(F) 12=-18(F) 14=-192(F) 11=-18(F) 5=-46(F) 16=-46(F) 17=-46(F) 18=-46(F) 19=-46(F) 20=-46(F) 21=-46(F) 23=-46(F) 24=-18(F) 25=-18(F) 25=-18(F





T			5-7-8				l		
LOADING (psf)	SPACING- 2-0	D-0 CSI.	DEFL. in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL 1.	15 TC 0.54	Vert(LL) -0.01	2-4	>999	240	MT20	244/190	
TCDL 10.0	Lumber DOL 1.	15 BC 0.15	Vert(CT) -0.03	2-4	>999	180			
BCLL 0.0 *	Rep Stress Incr YE	ES WB 0.00	Horz(CT) -0.00	3	n/a	n/a			
BCDL 10.0	Code IRC2015/TPI201	4 Matrix-P					Weight: 23 lb	FT = 20%	

BRACING-TOP CHORD

LUMBER-

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

REACTIONS. (Ib/size) 3=157/Mech

 3=157/Mechanical, 2=284/0-3-8, 4=54/Mechanical
 BOT CHORD

Max Horz 2=85(LC 8) Max Uplift 3=-85(LC 12), 2=-69(LC 8)

Max Grav 3=157(LC 1), 2=284(LC 1), 4=108(LC 3)

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

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-6-12 zone; 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.

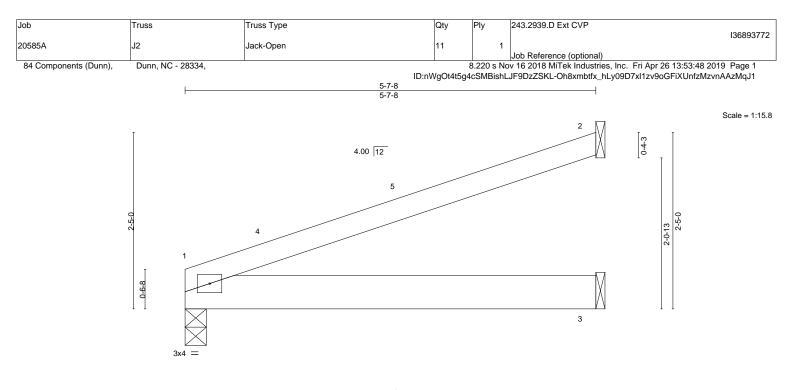
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.



Structural wood sheathing directly applied or 5-7-8 oc purlins.

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





			5-7-8				I	
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 0.58	Vert(LL) -0.01	1-3	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.15	Vert(CT) -0.03	1-3	>999	180		
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-P					Weight: 22 lb	FT = 20%

LUMBER-

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

TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 5-7-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=217/0-3-8, 2=162/Mechanical, 3=54/Mechanical Max Horz 1=78(LC 8) Max Uplift 1=-25(LC 8), 2=-87(LC 8) Max Grav 1=217(LC 1), 2=162(LC 1), 3=108(LC 3)

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

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 5-6-12 zone;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.

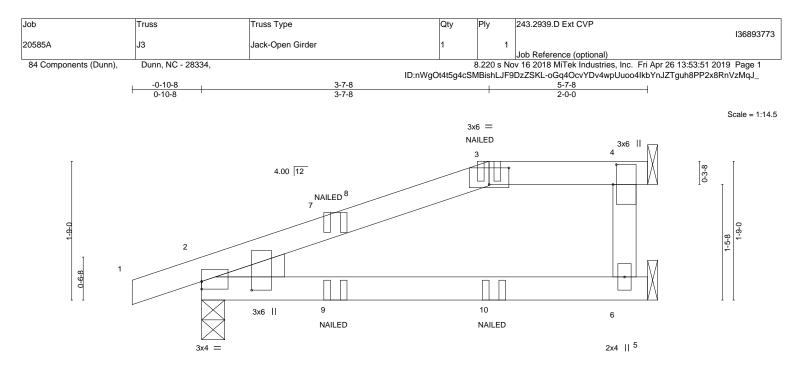
4) Refer to girder(s) for truss to truss connections.

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

6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. This connection is for uplift only and does not consider lateral forces.







OADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.04	2-6	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.10	2-6	>632	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.05	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2	2014	Matrix	-P						Weight: 22 lb	FT = 20%

 WEBS
 2x4 SP No.3
 BOT CHORD
 Rigid ceiling directly applied or 10-0-0 oc bracing

 WEDGE
 Left: 2x4 SP No.3
 Edition
 Edition

REACTIONS. (lb/size) 2=323/0-3-8, 4=166/Mechanical, 6=87/Mechanical Max Horz 2=59(LC 8) Max Uplift 2=-80(LC 8), 4=-77(LC 8) Max Grav 2=323(LC 1), 4=166(LC 1), 6=134(LC 3)

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

NOTES-

 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-4-0 zone; 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.
- 8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 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.
- 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 12) 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

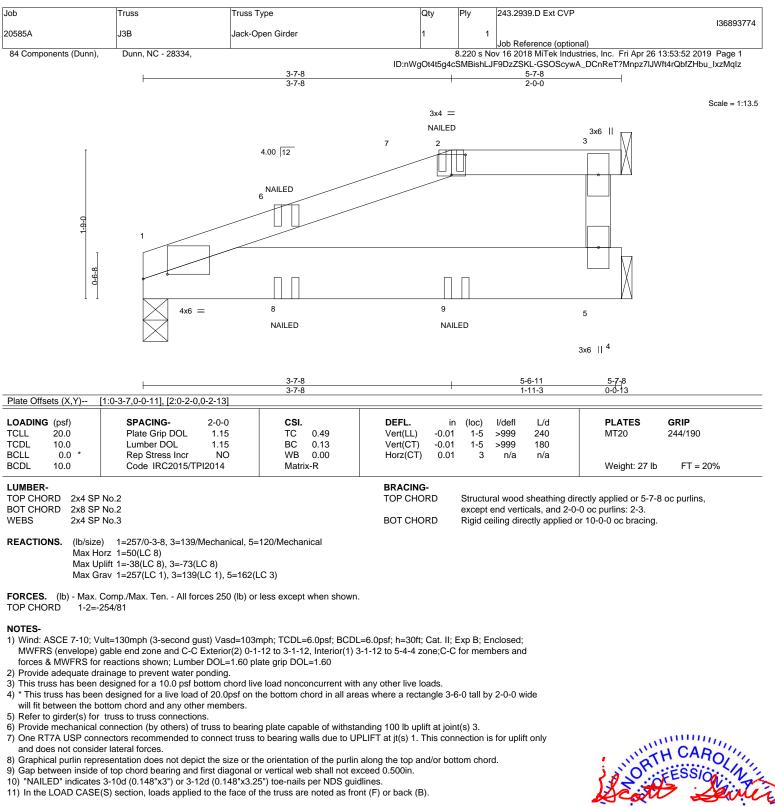
Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 2-5=-20 Concentrated Loads (lb)

Vert: 3=-33(F) 7=-22(F) 9=-25(F) 10=-14(F)





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



LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-2=-60, 2-3=-60, 1-4=-20 Concentrated Loads (lb)

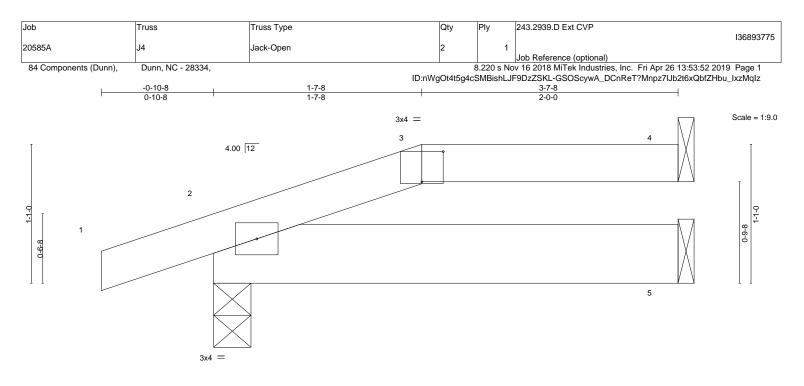
Vert: 2=-33(B) 6=-22(B) 8=-25(B) 9=-14(B)



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 **ANSUTPI Quality criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

TRENCO A MITEK Affiliate 818 Soundside Road

Edenton, NC 27932



			<u>1-7-8</u> 1-7-8						-7-8 -0-0		
Plate Offsets (X,Y) [3	3:0-2-0,0-2-13]		1								
OADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
FCLL 20.0	Plate Grip DOL	1.15	тс	0.15	Vert(LL)	-0.00	2-5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	2-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	4	n/a	n/a		
BCDL 10.0	Code IRC2015/T	PI2014	Matrix	k-P						Weight: 16 lb	FT = 20%

LUMBER-

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

BRACING-TOP CHORD

 TOP CHORD
 Structural wood sheathing directly applied or 3-7-8 oc purlins, except 2-0-0 oc purlins: 3-4.

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

REACTIONS. (lb/size) 4=82/Mechanical, 2=207/0-3-8, 5=45/Mechanical Max Horz 2=34(LC 8) Max Uplift 4=-36(LC 8), 2=-69(LC 8) Max Grav 4=82(LC 1), 2=207(LC 1), 5=69(LC 3)

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

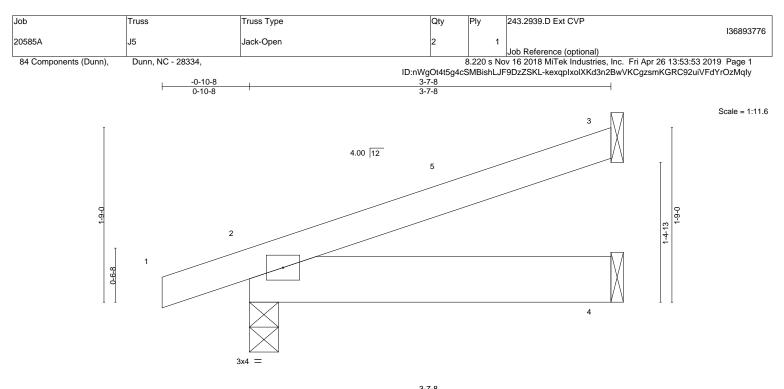
NOTES-

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

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 1-7-8, Interior(1) 1-7-8 to 3-6-12 zone; 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.
- One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.







			3-7-8			1	1	
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 0.18	Vert(LL) -0.00	2-4	>999	240	MT20	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.06	Vert(CT) -0.00	2-4	>999	180		
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-P					Weight: 16 lb	FT = 20%

BRACING-TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (Ib/size) 3=93/Mechanical, 2=207/0-3-8, 4=34/Mechanical Max Horz 2=59(LC 8) Max Uplift 3=-52(LC 12), 2=-61(LC 8) Max Grav 3=93(LC 1), 2=207(LC 1), 4=68(LC 3)

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

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-6-12 zone; 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.

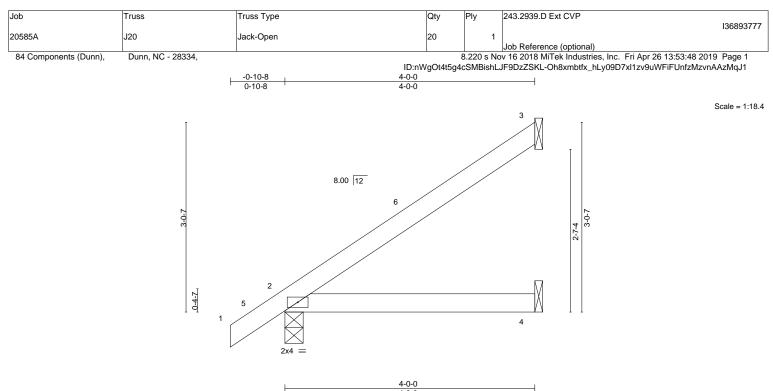
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.



Structural wood sheathing directly applied or 3-7-8 oc purlins.

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





		1	4-0-0	
LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.15	CSI. TC 0.25	DEFL. in (loc) I/defl L/d Vert(LL) -0.01 2-4 >999 240	PLATES GRIP MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.17	Vert(CT) -0.02 2-4 >999 180	
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.00 Matrix-P	Horz(CT) -0.00 3 n/a n/a	Weight: 15 lb FT = 20%

LUMBER-

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

BOT CHORD 2x4 SP No.2 REACTIONS (Ib/size) 3=106/Mecha TOP CHORD BOT CHORD

BRACING-

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

REACTIONS. (lb/size) 3=106/Mechanical, 2=221/0-3-8, 4=38/Mechanical Max Horz 2=121(LC 12) Max Uplift 3=-83(LC 12), 2=-17(LC 12) Max Grav 3=116(LC 19), 2=221(LC 1), 4=76(LC 3)

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

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-11-4 zone; 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.

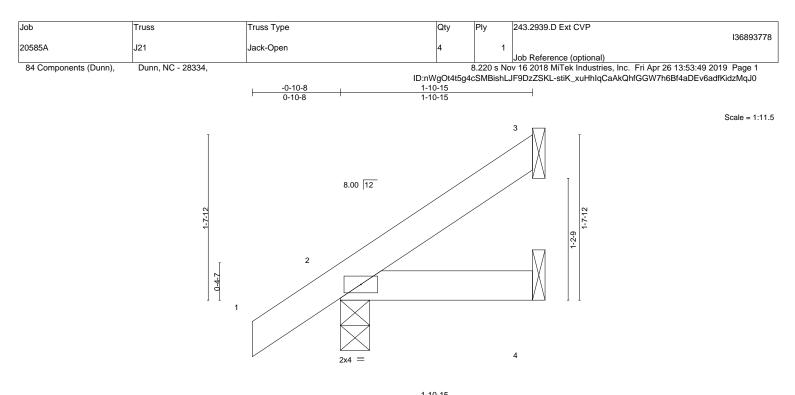
4) Refer to girder(s) for truss to truss connections.

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

6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.







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 0.06 BC 0.04 WB 0.00 Matrix-P	DEFL. i Vert(LL) -0.0 Vert(CT) -0.0 Horz(CT) -0.0	2-4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 8 lb	GRIP 244/190 FT = 20%

BRACING-TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (lb/size) 3=43/Mechanical, 2=142/0-3-8, 4=19/Mechanical Max Horz 2=69(LC 12) Max Uplift 3=-36(LC 12), 2=-22(LC 12) Max Grav 3=49(LC 19), 2=142(LC 1), 4=37(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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.

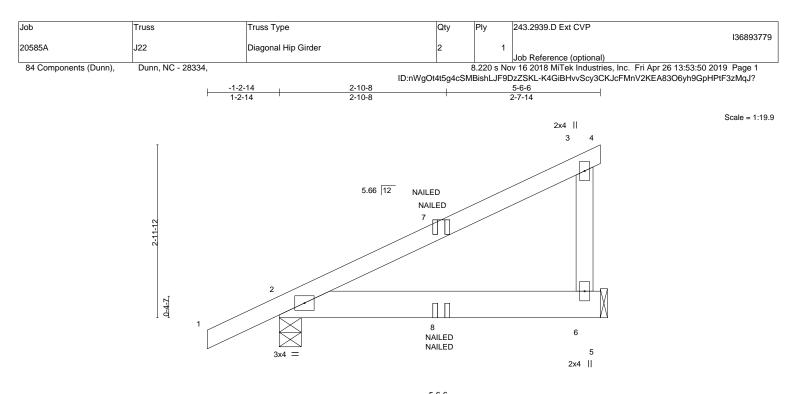
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.



Structural wood sheathing directly applied or 1-10-15 oc purlins.

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





						5-6-	-					
LOADING TCLL TCDL	i (psf) 20.0 10.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.50 0.15	DEFL. Vert(LL) Vert(CT)	in -0.01 -0.02	(loc) 2-6 2-6	l/defl >999 >999	L/d 240 180	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code IRC2015/TF	NO	WB Matri	0.00	Horz(CT)	0.00	2-0	>333 n/a	n/a	Weight: 27 lb	FT = 20%

LUMBER-

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

Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=202/Mechanical, 2=300/0-4-9 Max Horz 2=119(LC 31) Max Uplift 6=-59(LC 12), 2=-47(LC 12)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-2-14 to 3-0-1, Exterior(2) 3-0-1 to 5-6-6 zone; 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) 6.
- 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 8) 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

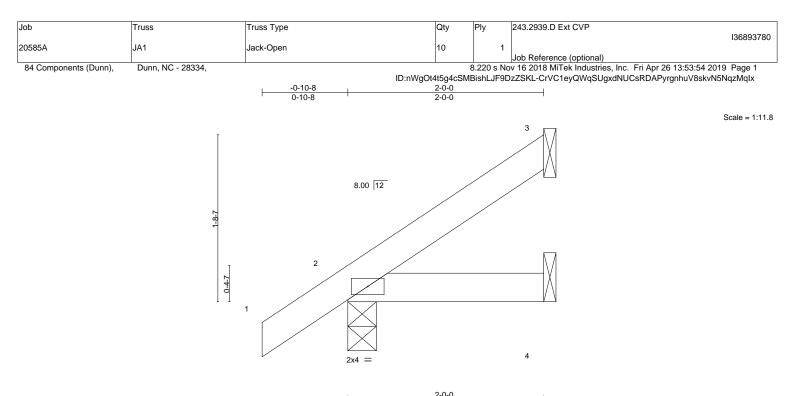
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-3=-60, 3-4=-20, 2-5=-20



🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE Design valid for use only design parameters and READ NOTES ON TIPS ON TIPS AND INCLODED MITCR REPRETENCE PAGE MIT-1473 TeV. 100322010 SECORE 052. 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-98 and BCSI Building Component** fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Qua** Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





2-0-0						
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 0.07 BC 0.04 WB 0.00 Matrix-P	DEFL. in Vert(LL) -0.00 Vert(CT) -0.00 Horz(CT) -0.00	2 :	l/defl L/d >999 240 >999 180 n/a n/a	PLATES GRIP MT20 244/190 Weight: 8 lb FT = 20%

BRACING-TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (lb/size) 3=46/Mechanical, 2=145/0-3-8, 4=20/Mechanical Max Horz 2=71(LC 12) Max Uplift 3=-38(LC 12), 2=-22(LC 12) Max Grav 3=52(LC 19), 2=145(LC 1), 4=39(LC 3)

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

NOTES-

 Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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.

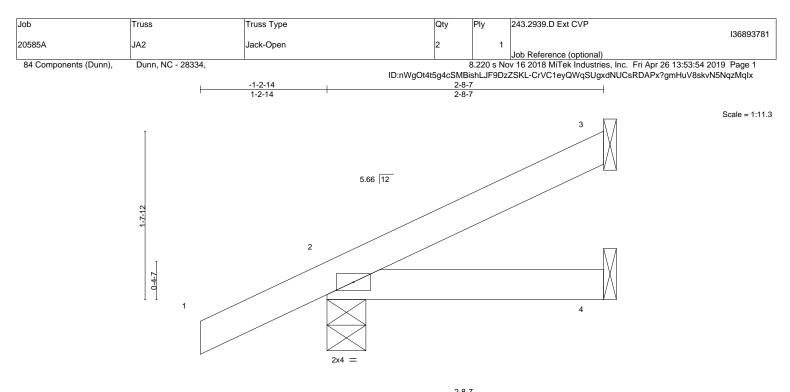
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.



Structural wood sheathing directly applied or 2-0-0 oc purlins.

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





			2-8					
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 0.18 BC 0.07 WB 0.00 Matrix-P	DEFL. in Vert(LL) -0.00 Vert(CT) -0.00 Horz(CT) -0.00) 2-4) 2-4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 11 lb	GRIP 244/190 FT = 20%

LUMBER-

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

REACTIONS. (lb/size) 3=49/Mechanical, 2=209/0-4-9, 4=25/Mechanical Max Horz 2=68(LC 12) Max Uplift 3=-36(LC 12), 2=-45(LC 12) Max Grav 3=49(LC 1), 2=209(LC 1), 4=49(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone;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.
- 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

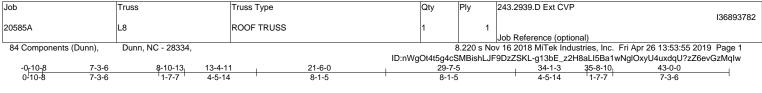


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 2-8-7 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.



Scale = 1:72.2

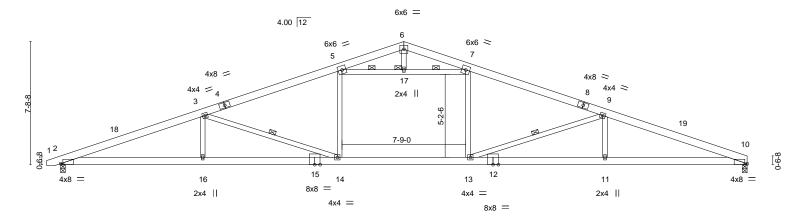


Plate Offsets (X	8-10-13 8-10-13 Y) [2:0-1-11,Edge], [10:0-1-1	17-2-13 8-4-0	ł	25-9-3 8-6-6			34-1- 8-4-0		43-0-0 8-10-1	
Plate Olisets (X,	(1) [2:0-1-11,Edge], [10:0-1-1	I,Eagej								
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	Plate Grip DOL Lumber DOL * Rep Stress Incr	1.15 T 1.15 B YES V	SI. C 0.78 C 1.00 /B 0.57 latrix-S	Vert(CT) Horz(CT)	-0.47 -0.74 0.17	(loc) 11-13 11-13 10 13-14	l/defl >999 >690 n/a 338	L/d 240 180 n/a 360	PLATES MT20 Weight: 272 lb	GRIP 244/190 FT = 20%
BOT CHORD	2x6 SP No.2 2x6 SP No.2 *Except* 12-15: 2x6 SP DSS 2x4 SP No.3			BRACING- TOP CHORE BOT CHORE WEBS	-	Rigid c 10-0-0	eiling dire	ctly applied g: 13-14.	directly applied or 2-3-11 I or 2-2-0 oc bracing, E 9-13, 3-14, 5-17, 7-17	
	(lb/size) 2=1794/0-3-8, 10=17 Max Horz 2=125(LC 16) Max Uplift 2=-246(LC 8), 10=-21 Max Grav 2=1814(LC 2), 10=17	6(LC 9)		JOINTS		1 Brace	e at Jt(s):	17		
FORCES. (lb) TOP CHORD BOT CHORD WEBS	- Max. Comp./Max. Ten All for 2-3=-4626/537, 3-5=-3780/348 9-10=-4629/540 2-16=-526/4324, 14-16=-526/4 9-13=-1292/378, 3-14=-1287/3 7-17=-2594/292, 6-17=-18/479	, 5-6=-1026/131, 6-7=- 324, 13-14=-200/3518 75, 5-14=0/728, 7-13=	1026/132, 7-9=-37 , 11-13=-442/4328 0/730, 5-17=-2594,	, 10-11=-442/4328	3					

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-7-5 to 3-8-4, Interior(1) 3-8-4 to 21-6-0, Exterior(2) 21-6-0 to 25-6-4, Interior(1) 25-6-4 to 42-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) Ceiling dead load (5.0 psf) on member(s). 5-17, 7-17

6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-14

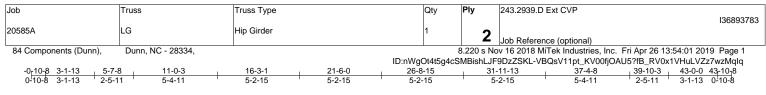
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=216.

8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

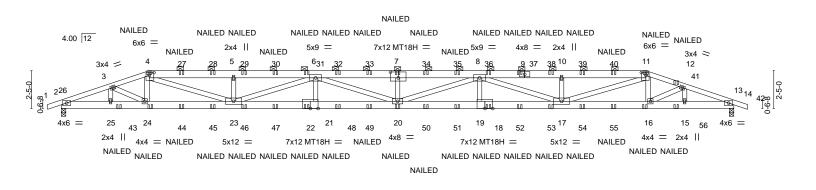


818 Soundside Road Edenton, NC 27932



Scale = 1:73.7

818 Soundside Road Edenton, NC 27932



3-1-13	5-7-8 11-0-3	16-3-1	21-6-0	26-8-15	31-11-13	37-4-8		43-0-0
	<u>2-5-11</u> <u>5-4-11</u> [4:0-3-8,0-2-4], [7:0-6-0	5-2-15),0-4-8], [11:0-3-8,0	5-2-15)-2-4], [18:0-0-0,0-2-12], [<u>5-2-15</u> [19:0-1-12,0-0-0], [21:0-1	5-2-15 1-12,0-0-0], [22:	<u>5-4-1</u> :0-0-0,0-2-12]	1 2-5-11	' 3-1-13 '
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/	2-0-0 1.15 1.15 NO	CSI. TC 0.81 BC 0.64 WB 0.68 Matrix-S		(loc) l/defl 20 >562 20 >295 13 n/a	L/d 240 180 n/a	PLATES MT20 MT18H Weight: 535 lb	GRIP 244/190 244/190 FT = 20%
1-4,11- 3OT CHORD 2x6 SF WEBS 2x4 SF	P No.2 *Except* -14: 2x4 SP No.2 P DSS P No.3 *Except* 1-17: 2x4 SP No.2	I			except 2-0-0 oc purlins	d sheathing directl s (2-10-13 max.): 4 rectly applied or 9-		l oc purlins,
Max H	e) 2=3029/0-3-8, 13= Horz 2=-36(LC 40) Jplift 2=-646(LC 8), 13=							
TOP CHORD 2-3=- 7-8=- 12-11 BOT CHORD 2-25= 20-2 15-10 WEBS 3-25= 6-23= 8-19=	16891/3815, 8-10=-127 3=-7111/1536 =-1311/6450, 24-25=-13 1=-3569/16051, 19-20= 6=-1387/6555, 13-15=-1 =-462/171, 3-24=-334/1 =-3559/836, 6-21=0/452	1701, 4-5=-12745/ '38/2879, 10-11=-1 311/6450, 23-24=-1 -3564/16036, 17-19 387/6555 381, 4-24=0/259, 4 2, 6-20=-217/919, 7 3, 10-17=-616/319,	ss except when shown. 2857, 5-6=-12743/2856, (2740/2880, 11-12=-8046 592/7591, 21-23=-3569/ 9=-3564/16036, 16-17=-1 -23=-1310/5531, 5-23=-6 -20=-531/292, 8-20=-210 11-17=-1269/5461, 11-10	/1774, 16051, 626/7640, 335/325,)/936,				
Top chords connect Bottom chords conn Webs connected as 2) All loads are consid- ply connections hav 3) Unbalanced roof live 4) Wind: ASCE 7-10; V MWFRS (envelope) Interior(1) 11-8-8 to for reactions shown 5) Provide adequate di 5) All plates are MT20 7) This truss has been will fit between the b 4) Provide mechanical	hected as follows: 2x6 - 3 follows: 2x4 - 1 row at (lered equally applied to a ve been provided to distr e loads have been cons Vult=130mph (3-second) gable end zone and C- 37-4-8, Exterior(2) 37-4 ; Lumber DOL=1.60 plat trainage to prevent wate plates unless otherwise a designed for a 10.0 psf en designed for a live loa bottom chord and any of	w at 0-9-0 oc, 2x6 2 rows staggered a 0-9-0 oc. all plies, except if n ibute only loads no idered for this desi- gust) Vasd=103m C Exterior(2) -0-10 -8 to 43-5-8, Interior te grip DOL=1.60 r ponding. indicated. bottom chord live ad of 20.0psf on the her members.	- 2 rows staggered at 0-5 tt 0-9-0 oc. oted as front (F) or back ted as (F) or (B), unless ((B) face in the LOAD CA otherwise indicated. :6.0psf; h=30ft; Cat. II; E :1-13 to 5-7-8, Exterior(2 one;C-C for members an any other live loads. s where a rectangle 3-6-	2) 5-7-8 to 11-8- d forces & MWI -0 tall by 2-0-0 v	; 8, FRS vide	SCOTT	SEAL 044925 M. SEVIET
contiອີ ແ ຍ່ອີຍີ່ ^C on page 2								
Design valid for use o a truss system. Befor building design. Brac is always required for	only with MiTek® connectors. T re use, the building designer m cing indicated is to prevent buc	This design is based onl ust verify the applicabilitik kling of individual truss se with possible persona	D INCLUDED MITEK REFERENCE y upon parameters shown, and i y of design parameters and proj web and/or chord members only al injury and property damage. I ome see ANSUTPI (2015)	is for an individual building con perly incorporate this design in v. Additional temporary and pe	nponent, not to the overall rmanent bracing g the	nonent		ERING BY ENCO A Mitek Affiliate

Tabrication, storage, delivery, erection and braining of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component** Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	243.2939.D Ext CVP
					136893783
20585A	LG	Hip Girder	1	2	
				_	Job Reference (optional)
84 Components (Dunn),	Dunn, NC - 28334,			3.220 s No	v 16 2018 MiTek Industries, Inc. Fri Apr 26 13:54:01 2019 Page 2
		ID:nWg	Ot4t5g4cS	MBishLJF	9DzZSKL-VBQsV11pt_KV00fjOAU5?fB_RV0x1VHuLVZz7wzMqIq

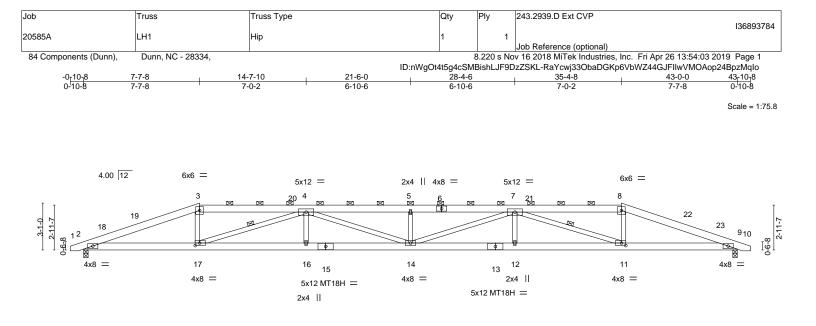
NOTES-

- 10) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) "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, 4-11=-60, 11-14=-60, 2-13=-20
- Concentrated Loads (lb)
 - Vert: 4=-103(F) 11=-97(F) 22=-34(F) 24=-34(F) 20=-34(F) 7=-103(F) 16=-34(F) 18=-34(F) 27=-103(F) 28=-103(F) 29=-103(F) 30=-103(F) 31=-103(F) 32=-103(F) 33=-103(F) 34=-103(F) 34=-103(F) 35=-103(F) 35





F	7-7-8	14-7-10		21-6-0			28-4-6			35-4-8	43-0-0	
Plate Offsets (X	7-7-8 (,Y) [11:0-3-8,0-2-0], [17:0-3	7-0-2		6-10-6			6-10-6			7-0-2	7-7-8	· · · · · · · · · · · · · · · · · · ·
Fiale Olisels (A	<u>x, r) [11.0-3-8,0-2-0], [17.0-3</u>	-0,0-2-0]										
LOADING (psf) TCLL 20.0 TCDL 10.0	Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.79 0.48	DEF Vert Vert	(LL) (CT)	in -0.63 -1.27	(loc) 14 14	l/defl >810 >405	L/d 240 180	PLATES MT20 MT18H	GRIP 244/190 244/190
BCLL 0.0 BCDL 10.0		YES PI2014	WB Matri:	0.90 x-S	Horz	2(CT)	0.19	9	n/a	n/a	Weight: 265 lb	FT = 20%
BOT CHORD WEBS	2x6 SP No.2 2x6 SP DSS 2x4 SP No.3 (lb/size) 2=1754/0-3-8, 9=17 Max Horz 2=45(LC 16) Max Uplift 2=-334(LC 8), 9=-3				TOP	CING- CHOR CHOR	D	except 2-0-0 o Rigid co	c purlins ((2-2-0 max.): ctly applied of	rectly applied or 2-10-1 : 3-8. or 8-0-15 oc bracing. I-17, 7-11	1 oc purlins,
FORCES. (Ib) TOP CHORD BOT CHORD WEBS	 Max. Comp./Max. Ten All fc 2-3=-4521/787, 3-4=-4153/77 8-9=-4521/787 2-17=-709/4210, 16-17=-113i 11-12=-1101/6593, 9-11=-67 3-17=-86/1056, 4-17=-2696/5 7-14=-156/823, 7-12=0/271, 1 	orces 250 (lb) or 25, 4-5=-7303/13 6/6593, 14-16=- 4/4210 521, 4-16=0/271	805, 5-7=-73 1136/6593, , 4-14=-155/	03/1305, 7-8= 12-14=-1101/ 823, 5-14=-39	-4153/775 6593,	,						
 Wind: ASCE MWFRS (env Interior(1) 13 reactions shot Provide adeq All plates are This truss ha * This truss ha 	roof live loads have been consid 7-10; Vult=130mph (3-second g velope) gable end zone and C-0 -8-8 to 35-4-8, Exterior(2) 35-4- own; Lumber DOL=1.60 plate g quate drainage to prevent water MT20 plates unless otherwise is been designed for a 10.0 psf has been designed for a live loa	gust) Vasd=1030 C Exterior(2) -0- 8 to 41-5-8, Inte ip DOL=1.60 ponding. indicated. bottom chord liv d of 20.0psf on t	nph; TCDL= 7-5 to 3-8-4, rior(1) 41-5- e load nonco	Interior(1) 3-8 8 to 43-7-5 zo oncurrent with	any other	, Exteri memb	or(2) 7 ers and ds.	-7-8 to 1 d forces	3-8-8, & MWFR		UNRTH NORTH	CARO

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) except (jt=lb)

9=334.

 One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

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



 473 rev. 10/03/2015 BEFORE USE.

 fual building component, not

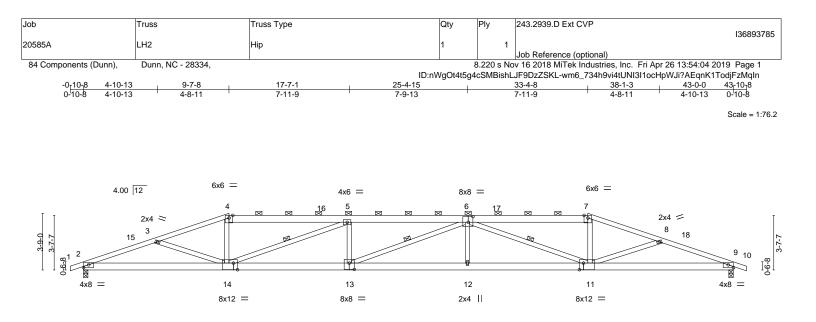
 it this design into the overall

 imporary and permanent bracing

 idance regarding the

 a, DSB-89 and BCSI Building Component





I	9-7-8	17-7-1 7-11-9	25-4-15 7-9-13	33-4-8	<u>43-0-0</u> 9-7-8	
Plate Offsets (X,Y)	[2:Edge,0-2-4], [6:0-3-12,0-4-8], [9:Edg	e,0-2-4], [11:0-3-4,0-5-4],		-		
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 0.86 WB 0.82 Matrix-S	Vert(CT) -	in (loc) l/defl L/d -0.47 12-13 >999 240 -0.94 12-13 >545 180 -0.18 9 n/a n/a	PLATES MT20 Weight: 257 lb	GRIP 244/190 FT = 20%
4-6,6-7 BOT CHORD 2x6 SF	P No.2 *Except* 2 2x6 SP No.2 P No.2 *Except* 13-14: 2x6 SP DSS P No.3	1	BRACING- TOP CHORD BOT CHORD WEBS	2-0-0 oc purlins (2-9-3 max.) Rigid ceiling directly applied	: 4-7.	oc purlins, except
Max H	e) 2=1770/0-3-8, 9=1770/0-3-8 lorz 2=57(LC 12) plift 2=-339(LC 8), 9=-339(LC 9)					
TOP CHORD 2-3=- 7-8=- BOT CHORD 2-14:	Comp./Max. Ten All forces 250 (lb) c -4264/810, 3-4=-4150/715, 4-5=-3884/7 -4148/714, 8-9=-4263/810 =-751/3943, 13-14=-933/5645, 12-13=- 58/899, 5-14=-2005/420, 5-13=0/298	'00, 5-6=-5645/1018, 6-7≕ 900/5652, 11-12=-901/565	-3882/700, i0, 9-11=-707/3942			
NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-10; V MWFRS (envelope) Interior(1) 15-8-8 to for reactions shown 3) Provide adequate di	e loads have been considered for this d /ult=130mph (3-second gust) Vasd=100 gable end zone and C-C Exterior(2) -0 33-4-8, Exterior(2) 33-4-8 to 39-5-8, Int Lumber DOL=1.60 plate grip DOL=1.6 rainage to prevent water ponding. designed for a 10.0 psf bottom chord li	esign. 3mph; TCDL=6.0psf; BCDI -10-8 to 3-5-2, Interior(1) 3 erior(1) 39-5-8 to 43-10-8 0	L=6.0psf; h=30ft; Ca I-5-2 to 9-7-8, Exteri zone;C-C for membe	or(2) 9-7-8 to 15-8-8, ers and forces & MWFRS		CARO

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.

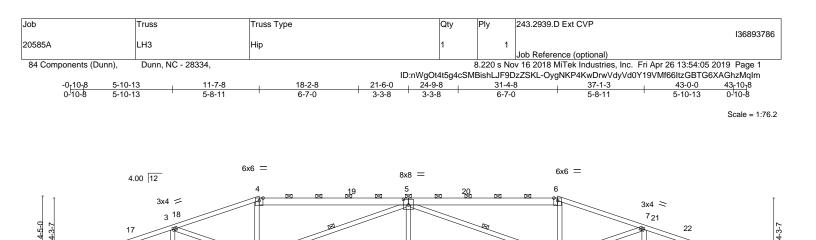
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=339.

7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

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



818 Soundside Road Edenton, NC 27932



13

2x4 ||

11

4x8 =

12

8x8 =

10

2x4 ||

	-10-13 11-7-8 -10-13 5-8-11	<u>21-6-0</u> 9-10-8	<u>31-4-8</u> 9-10-8	37-1-	
	[2:Edge,0-2-4], [5:0-4-0,0-4-8], [8:Edge,		0100		
DADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl	L/d	PLATES GRIP
CLL 20.0	Plate Grip DOL 1.15	TC 0.83	Vert(LL) -0.42 13 >999	240	MT20 244/190
CDL 10.0	Lumber DOL 1.15	BC 0.96	Vert(CT) -0.84 13-15 >609	180	
CLL 0.0 *	Rep Stress Incr YES	WB 0.88	Horz(CT) 0.20 8 n/a	n/a	
CDL 10.0	Code IRC2015/TPI2014	Matrix-S			Weight: 254 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except*	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except
	4-5,5-6: 2x6 SP No.2		2-0-0 oc purlins (2-7-11 max.): 4-6.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 5-15, 5-11

- REACTIONS. (lb/size) 2=1770/0-3-8, 8=1770/0-3-8 Max Horz 2=-68(LC 17) Max Uplift 2=-332(LC 8), 8=-332(LC 9)
- FORCES. (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
- TOP CHORD 2-3=-4308/738, 3-4=-3954/685, 4-5=-3697/675, 5-6=-3697/675, 6-7=-3954/684,
- 7-8=-4308/738

-9-9-

4x8 =

16

2x4 ||

15

4x8 =

14

8x8 =

- BOT CHORD 2-16=-686/3986, 15-16=-686/3986, 13-15=-761/4922, 11-13=-761/4922, 10-11=-634/3986, 8-10=-634/3986
- WEBS 3-15=-303/189, 4-15=-28/786, 5-15=-1490/322, 5-11=-1490/321, 6-11=-28/786, 7-11=-303/191, 5-13=0/407

NOTES-

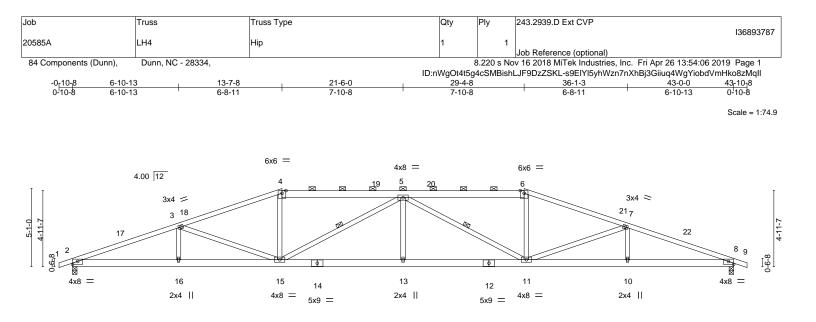
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-5-2, Interior(1) 3-5-2 to 11-7-8, Exterior(2) 11-7-8 to 17-8-8, Interior(1) 17-8-8 to 31-4-8, Exterior(2) 31-4-8 to 37-5-8, Interior(1) 37-5-8 to 43-10-8 zone; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=332.
- 7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



8

4x8

AMITEK ATTILIATE B18 Soundside Road Edenton, NC 27932



	<u>10-13</u> <u>13-7-8</u> 10-13 <u>6-8-11</u>	21-6-0	29-4-8		<u>36-1-3</u> 6-8-11	43-0	
Plate Offsets (X,Y)	[2:Edge,0-2-4], [8:Edge,0-2-4]	7-10-0	7-10-0		0-0-11	0-10-	
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 0.82 BC 0.87 WB 0.55 Matrix-S	DEFL. in Vert(LL) -0.33 Vert(CT) -0.67 Horz(CT) 0.18	13 >999 13 >762	L/d 240 180 n/a	PLATES MT20 Weight: 254 lb	GRIP 244/190 FT = 20%
4-6: 2x BOT CHORD 2x6 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD WEBS	2-0-0 oc purlins	(3-6-12 max.) ectly applied o	ectly applied, except : 4-6. r 9-0-4 oc bracing. 15, 5-11	
	lorz 2=79(LC 12) Iplift 2=-324(LC 8), 8=-324(LC 9)						
TOP CHORD 2-3=-	Comp./Max. Ten All forces 250 (lb) ou -4329/717, 3-4=-3719/634, 4-5=-3462/6 -4329/717						
BOT CHORD 2-16 8-10	=-668/4007, 15-16=-668/4007, 13-15=-5 =-609/4007	,	, ,				
	=0/254, 3-15=-582/216, 4-15=-32/753, 5 =-32/753, 7-11=-582/217, 7-10=0/254	-15=-954/215, 5-13=0/317	7, 5-11=-954/214,				
 Wind: ASCE 7-10; WMVFRS (envelope) Interior(1) 19-8-8 to for reactions shown Provide adequate data 	e loads have been considered for this de /ult=130mph (3-second gust) Vasd=103 gable end zone and C-C Exterior(2) -0- 29-4-8, Exterior(2) 29-4-8 to 35-5-8, Inte ; Lumber DOL=1.60 plate grip DOL=1.60 rainage to prevent water ponding.	mph; TCDL=6.0psf; BCDL 10-8 to 3-5-2, Interior(1) 3 erior(1) 35-5-8 to 43-10-8 z)	-5-2 to 13-7-8, Exterior(2 zone;C-C for members a	2) 13-7-8 to 19-8-	8,		CARO

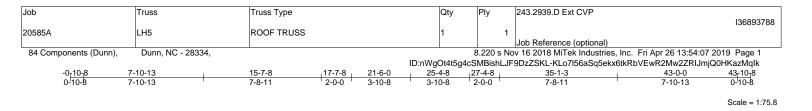
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

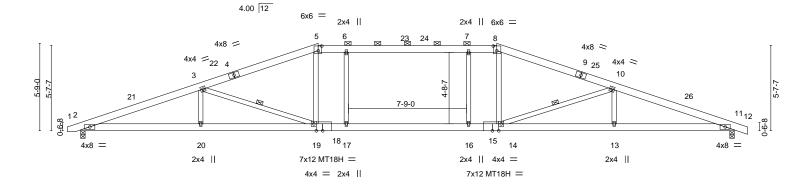
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=324.
- 7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



TRENCIO A MiTek Affiliate 818 Soundside Road Edenton, NC 27932





	7-10-13	15-7-8	21-6-0	25-4-8	27-4-8	35-1-3	43-0-1	n
F	7-10-13	7-8-11	5-10-8	3-10-8	2-0-0	7-8-11	7-10-1	
Plate Offsets ()			5-0,0-0-0], [18:0-5-0,0-0-0]	0.000	200			<u> </u>
LOADING (psf		2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d	PLATES	GRIP
TCLL 20.0			TC 0.59		-0.55 16-17	>929 240	MT20	244/190
FCDL 10.0		1.15	BC 0.75		-0.91 16-17	>562 180	MT18H	244/190
	0 * Rep Stress Inc		WB 0.32	Horz(CT)	0.14 11	n/a n/a		
BCDL 10.0	Code IRC201	5/TPI2014	Matrix-S	Attic	0.29 16-17	330 360	Weight: 268 lb	FT = 20%
UMBER-		ŀ		BRACING-				
TOP CHORD	2x6 SP No.2 *Except*			TOP CHORE) Structur	al wood sheathi	ng directly applied or 2-10-3	3 oc purlins
01 01.01.0	5-8: 2x6 SP DSS				except			o parmie,
BOT CHORD	2x6 SP DSS					purlins (3-5-15	max): 5-8	
WEBS	2x4 SP No.3			BOT CHORE			blied or 10-0-0 oc bracing.	
				WEBS	1 Row a		3-19, 10-14	
REACTIONS.	(lb/size) 2=1812/0-3-8, 11	I=1829/0-3-8				·		
	Max Horz 2=-92(LC 13)							
	Max Uplift 2=-269(LC 8), 11	=-280(LC 9)						
	Max Grav 2=1832(LC 2), 1	1=1846(LC 2)						
	- Max. Comp./Max. Ten A	()	•					
OP CHORD			6-7=-3918/455, 7-8=-3911/4	456,				
	8-10=-4192/456, 10-11=-4		0010 10 17 000/0010 11	40 000/004/				
BOT CHORD		,	/3918, 16-17=-302/3918, 14	-16=-302/3918	3,			
	13-14=-500/4332, 11-13=			4				
WEBS)-13=-58/272, 3-19=-893/374	4,				
	5-19=-66/776, 10-14=-888	/3/3, /-16=-354/135						
NOTES-								
	roof live loads have been co	nsidered for this desir	ar					
	7-10; Vult=130mph (3-secor			nsf: h=30ft: Ca	at II: Evo B: Er	nclosed:		
	velope) gable end zone and							
	-8-8 to 27-4-8, Exterior(2) 27							annin.
	shown; Lumber DOL=1.60 p			2 3 101 110			(numerica)	CAD"
	quate drainage to prevent wa						I II'T	A UARO, "
	MT20 plates unless otherwi						(A OF	recition 11/1
	is been designed for a 10.0 p		oad nonconcurrent with any	other live load	s.			ESSIG
,								· Xala de

6) * This truss has been designed for a live load of 20.0ps 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) Ceiling dead load (5.0 psf) on member(s). 5-6, 6-7, 7-8

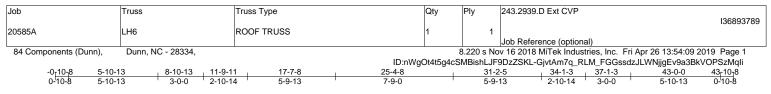
- 8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 16-17
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)

11=280.10) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

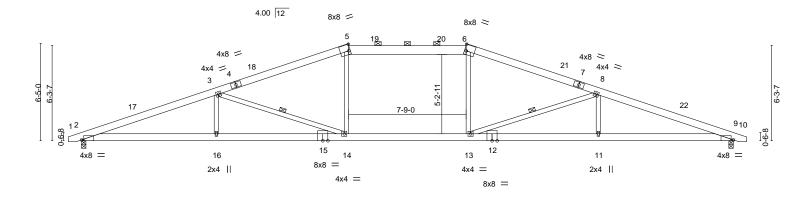
Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

SEAL 044925 MGINEEP, HALL April 29,2019

> 818 Soundside Road Edenton, NC 27932



Scale = 1:76.0



	8-10-13	17-7-8	25-4-8	34-1-3	43-0-0	
	8-10-13	8-8-11	7-9-0	8-8-11	8-10-13	
Plate Offsets	(X,Y) [2:0-1-11,Edge], [5:0-1-5	6,0-5-2], [6:0-1-5,0-5-2], [9:0-1	-11,Edge]			
LOADING (p	,	2-0-0 CSI.	DEFL.	in (loc) l/defl L/d	PLATES GRIP	
	0.0 Lumber DOL	1.15 BC 1	0.66 Vert(LL) 1.00 Vert(CT)	-0.4714-16>999240-0.7414-16>696180	MT20 244/190	
	0.0 * Rep Stress Incr 0.0 Code IRC2015/T		0.53 Horz(CT) S Attic	0.17 9 n/a n/a -0.26 13-14 365 360	Weight: 266 lb FT = 20%	•
LUMBER-	·		BRACING-		·	
TOP CHORD	2x6 SP No.2 *Except* 5-6: 2x8 SP No.2		TOP CHOR	RD Structural wood sheathin 2-0-0 oc purlins (4-2-6 n)	ng directly applied or 2-7-4 oc purlins, exc nax.): 5-6.	cept
BOT CHORD	2x6 SP No.2 *Except* 12-15: 2x6 SP DSS		BOT CHOR	Rigid ceiling directly app 10-0-0 oc bracing: 13-14	blied or 2-2-0 oc bracing, Except:	
WEBS	2x4 SP No.3		WEBS	1 Row at midpt	3-14, 8-13	
REACTIONS.	. (Ib/size) 2=1793/0-3-8, 9=179 Max Horz 2=-100(LC 17)	93/0-3-8				

Max Horz 2=-100(LC 17) Max Uplift 2=-271(LC 8), 9=-271(LC 9) Max Grav 2=1813(LC 2), 9=1813(LC 2)

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

TOP CHORD 2-3=-4617/611, 3-5=-3816/457, 5-6=-3546/461, 6-8=-3816/457, 8-9=-4617/612

BOT CHORD 2-16=-576/4315, 14-16=-576/4315, 13-14=-261/3546, 11-13=-501/4315, 9-11=-501/4315

WEBS 3-14=-1202/375, 5-14=0/709, 6-13=0/709, 3-16=0/375, 8-11=0/375, 8-13=-1201/376

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-7-5 to 3-8-4, Interior(1) 3-8-4 to 17-7-8, Exterior(2) 17-7-8 to 23-8-8, Interior(1) 23-8-8 to 25-4-8, Exterior(2) 25-4-8 to 31-5-8, Interior(1) 31-5-8 to 43-7-5 zone; 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) Ceiling dead load (5.0 psf) on member(s). 5-6

7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-14

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=271.

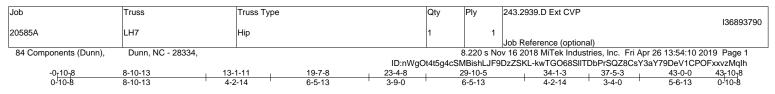
9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

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

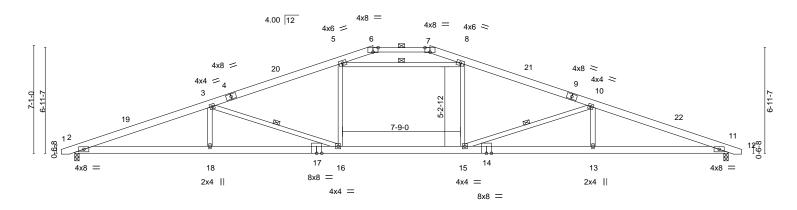
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.







Scale = 1:75.8



	8-10-13 8-10-13	19-7-8 10-8-11	23-4-8	<u> </u>	43-0-0
Plate Offsets (3-9-0	10-6-11	8-10-13
LOADING (ps TCLL 20. TCDL 10. BCLL 0 BCDL 10.	.0 Plate Grip DOL .0 Lumber DOL .0 * Rep Stress Incr	2-0-0 CSI. 1.15 TC 0.53 1.15 BC 0.44 YES WB 0.97 Pl2014 Matrix-S	Vert(CT) -	in (loc) l/defl L/d 0.45 16-18 >999 240 0.69 16-18 >747 180 0.13 11 n/a n/a	PLATES GRIP MT20 244/190 Weight: 269 lb FT = 20%
LUMBER- TOP CHORD	2x6 SP No.2 *Except* 6-7: 2x4 SP No.2 2x6 SP DSS		BRACING- TOP CHORD	Structural wood sheathing dire except 2-0-0 oc purlins (6-0-0 max.):	ectly applied or 2-11-2 oc purlins, 6-7.
WEBS REACTIONS.	2x4 SP No.3	E 1/0 2 8	BOT CHORD WEBS	· · · g· · · · · · · g · · · · · · / · · · ·	r 10-0-0 oc bracing.)-15, 5-8, 3-16
REACTIONS.	(lb/size) 2=1754/0-3-8, 11=17 Max Horz 2=112(LC 12) Max Uplift 2=-282(LC 8), 11=-28				

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

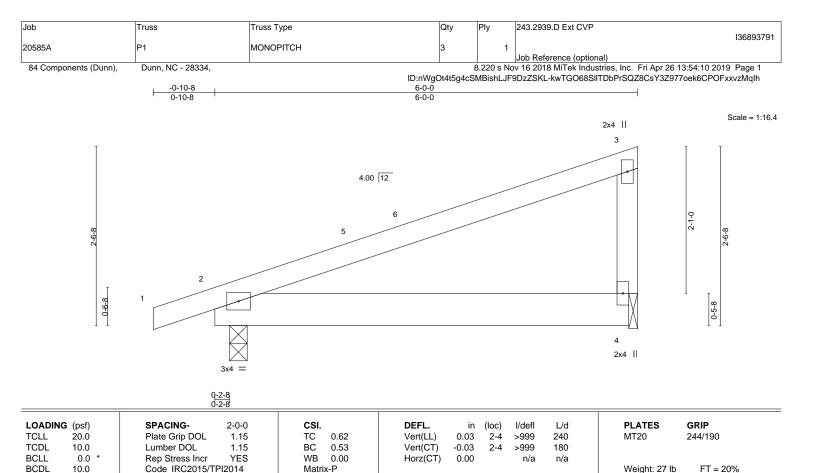
 TOP CHORD
 2-3=-4361/646, 3-5=-3279/499, 5-6=-486/149, 6-7=-440/137, 7-8=-486/149, 8-10=-3279/499, 10-11=-4361/647
- BOT CHORD 2-18=-617/4048, 15-16=-298/3025, 13-15=-533/4048, 11-13=-533/4048 WEBS 5-16=0/615, 10-15=-1295/373, 8-15=0/615, 5-8=-2607/384, 3-18=0/363, 3-16=-1295/372,
- VVEBS 5-16=0/363, 10-15=-1295/373, 8-15=0/615, 5-8=-2607/364, 3-16=0/363, 3-16=-1295/372, 10-13=0/363

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-7-5 to 3-8-4, Interior(1) 3-8-4 to 19-7-8, Exterior(2) 19-7-8 to 29-5-8, Interior(1) 29-5-8 to 43-7-5 zone; 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) 11=282.
- 7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



818 Soundside Road Edenton, NC 27932



BRACING-

TOP CHORD

LUMBER-		

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

WEBS 2x4 SP No.3

REACTIONS. (Ib/size) 2=294/0-3-0, 4=224/0-1-8 Max Horz 2=88(LC 8) Max Uplift 2=-123(LC 8), 4=-106(LC 8)

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

NOTES-

 Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-10-4 zone; 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) 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) 4=106.

 One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

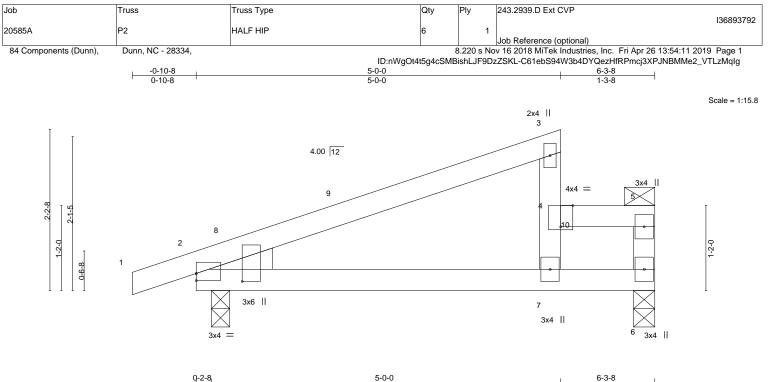


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



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

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

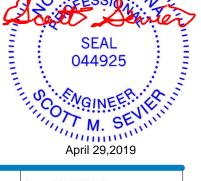


	0 <u>-2-8</u> 0-2-8	5-0-0				6-3-8	
		4-9-8			1	1-3-8	
Plate Offsets (X,Y)	[2:0-1-5,0-7-9], [2:0-0-0,0-1-2], [4:0-2-0	Edgej					
CADING (psf) "CLL 20.0 "CDL 10.0 3CLL 0.0 3CDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNOCodeIRC2015/TPI2014	CSI. DEFL. TC 0.67 Vert(LL) BC 0.83 Vert(CT) WB 0.00 Horz(CT) Matrix-R Horz(CT)	in 0.07 -0.05 -0.00	(loc) l/defl 2-7 >999 2-7 >999 6 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 25 lb	GRIP 244/190 FT = 20%
UMBER- OP CHORD 2x4 SP OT CHORD 2x4 SP /EBS 2x4 SP /EDGE eft: 2x4 SP No.3	No.2	BRACING TOP CHO BOT CHO	RD	except end ver	ticals, and 2-0-	ectly applied or 6-0-0 0 oc purlins (6-0-0 m r 9-9-9 oc bracing.	
Max Ho Max Up DRCES. (Ib) - Max. U DP CHORD 2-3=-3	 e) 6=404/0-3-8, 2=338/0-3-0 orz 2=117(LC 12) plift 6=-155(LC 8), 2=-144(LC 8) Comp./Max. Ten All forces 250 (lb) o 322/244, 5-6=-264/300 319/254 	· less except when shown.					
) Wind: ASCE 7-10; V MWFRS (envelope) members and forces) Provide adequate dra) This truss has been () * This truss has been will fit between the be provide mechanical of 6=155.	gable end zone and C-Č Exterior(2) -0- & MWFRS for reactions shown; Lumb ainage to prevent water ponding. designed for a 10.0 psf bottom chord lin n designed for a live load of 20.0psf on ottom chord and any other members. connection (by others) of truss to beari	mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; 10-8 to 2-1-8, Interior(1) 2-1-8 to 6-1-12 zc	one; porch bads. angle 3-6- ift at joint	h left exposed;(-0 tall by 2-0-0 t(s) except (jt=lt	C-C for wide	Auger Pr	H CAROLA
 and does not conside B) Graphical purlin reprint B) Hanger(s) or other construction device(s) C) In the LOAD CASE 	er lateral forces. resentation does not depict the size or t onnection device(s) shall be provided s) is the responsibility of others.	to bearing wais due to OPLIFT at J(s) 2. In the orientation of the purlin along the top ar ufficient to support concentrated load(s). T the truss are noted as front (F) or back (B	nd/or botte The desig	om chord.	-	A Cast	SEAL 044925

LOAD CASE(S) Standard

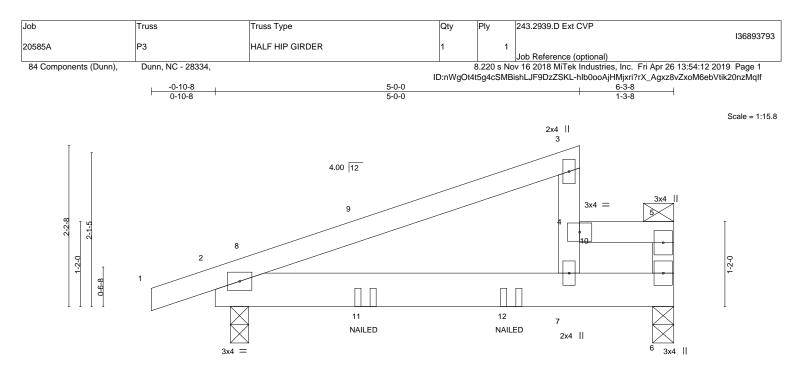
- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf) Vert: 1-3=-60, 4-5=-60, 2-6=-20 Concentrated Loads (lb)

Vert: 10=-200(F)



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 ANSUTPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

818 Soundside Road Edenton, NC 27932



	0-2-8 0-2-8		5-0-0 4-9-8			6-3-8 1-3-8	
L OADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.15	CSI. TC 0.63	DEFL. Vert(LL) 0	in (loc) .04 2-7	l/defl L/d >999 240	PLATES MT20	GRIP 244/190
TCDL 10.0 BCLL 0.0 *	Lumber DOL 1.15 Rep Stress Incr NO	BC 0.52 WB 0.00	- (-) -	.04 2-7 .00 6	>999 180 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-R	. ,			Weight: 29 lb	FT = 20%
LUMBER-			BRACING-				

TOP CHORD

BOT CHORD

LUMBER-

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

- REACTIONS. 6=434/0-3-8, 2=372/0-3-0 (lb/size) Max Horz 2=117(LC 12) Max Uplift 6=-181(LC 8), 2=-172(LC 8)
- FORCES. (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-300/183

BOT CHORD 2-7=-257/234

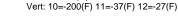
NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-1-12 zone; porch 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 2. This connection is for uplift only and does not consider lateral forces.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s). The design/selection of such connection device(s) is the responsibility of others.
- 10) 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, 4-5=-60, 2-6=-20 Concentrated Loads (lb)



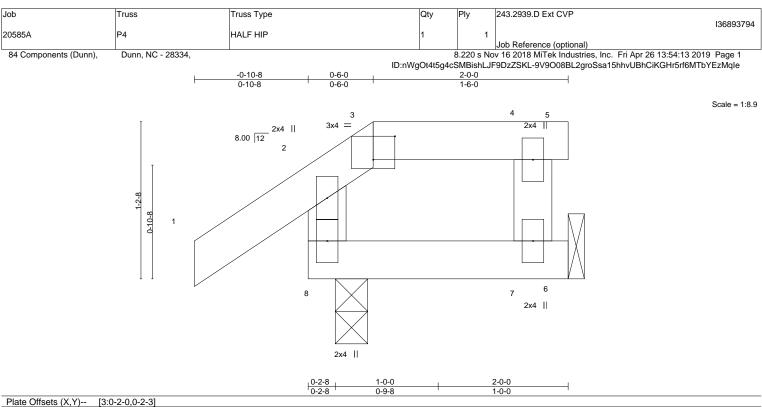




Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-7, 4-5.



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 0.09	Vert(LL) 0.00	8	>999	240	MT20 2	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.00	8	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-R					Weight: 10 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (lb/size) 6=47/Mechanical, 8=151/0-3-0

Max Horz 8=33(LC 12) Max Uplift 6=-32(LC 9), 8=-26(LC 9)

Max Grav 6=57(LC 24), 8=151(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=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-0-0 zone; porch 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.

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) 6, 8.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

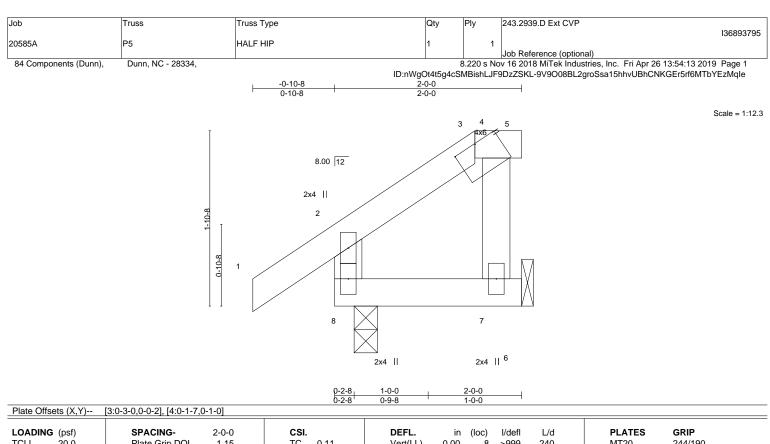


Structural wood sheathing directly applied or 2-0-0 oc purlins,

except end verticals, and 2-0-0 oc purlins: 3-5.

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





	(00.)	•	200					(<i>a</i> a o	1 , 0		•
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	0.00	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TF	PI2014	Matri	x-R						Weight: 11 lb	FT = 20%
LUMBER-						BRACING-						
TOP CHO	RD 2x4 SP	9 No.2				TOP CHOP	RD	Structu	ral wood	sheathing dir	ectly applied or 2-0-0	oc purlins,

TOP CHORD2x4 SP No.2TOP CHORDStructural wood sheathing directly applied or 2-0-
except end verticals, and 2-0-0 oc purlins: 3-5.WEBS2x4 SP No.3BOT CHORDRigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=47/Mechanical, 8=151/0-3-0 Max Horz 8=59(LC 12)

Max Uplift 6=-34(LC 9), 8=-14(LC 12)

Max Grav 6=50(LC 3), 8=151(LC 1)

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

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-0-0 zone; porch 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.

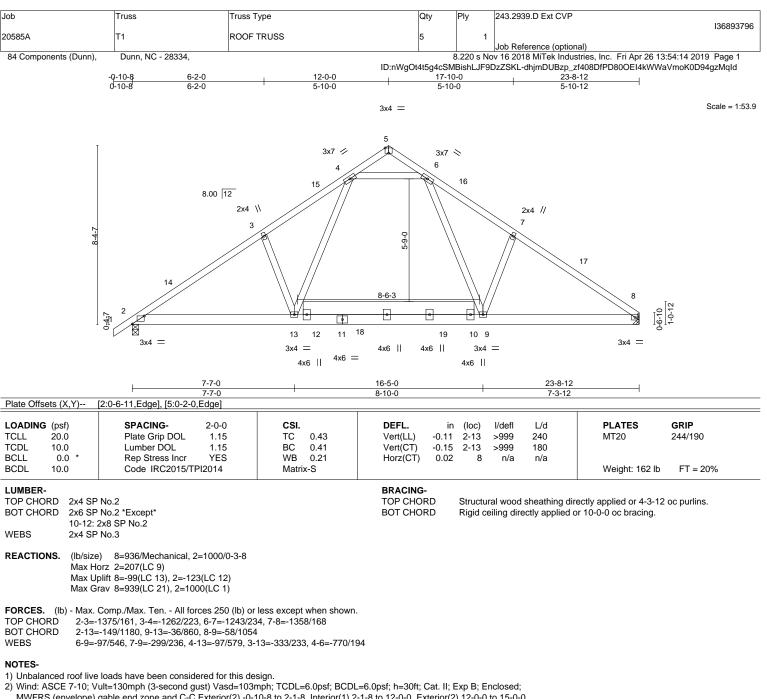
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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) 6, 8.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.







2) Which ASCE 7-10, Vote 150mpr (3-second gust) Vase 103mpr, 102Leo.0psr, bCDLeo.0psr, bCDLeo.0psr, 1630t, Cat. II, Exp B, Enclosed, MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 12-0-0, Exterior(2) 12-0-0 to 15-0-0, Interior(1) 15-0-0 to 23-7-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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, with BCDL = 10.0psf.

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

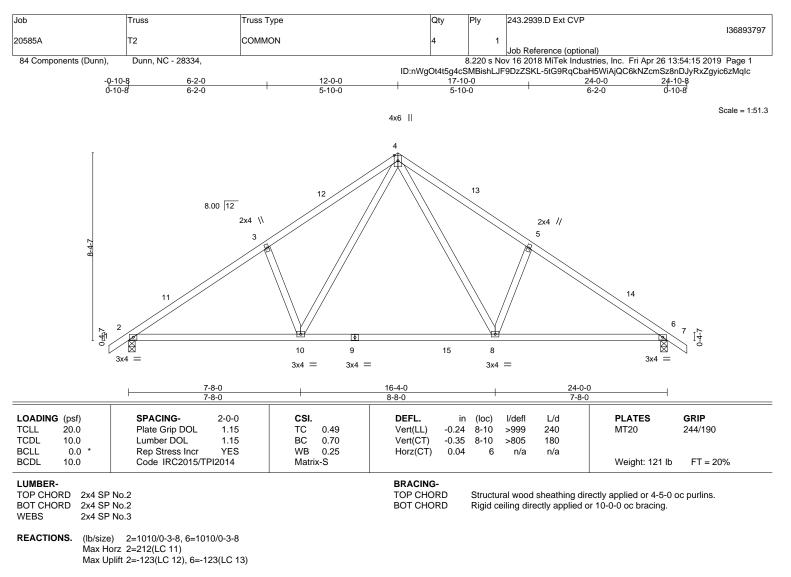
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.

7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.







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

TOP CHORD 2-3=-1390/161, 3-4=-1284/252, 4-5=-1287/252, 5-6=-1390/161

BOT CHORD 2-10=-163/1205, 8-10=-1/764, 6-8=-39/1073

WEBS 4-8=-155/672, 5-8=-356/251, 4-10=-155/666, 3-10=-356/251

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 12-0-0, Exterior(2) 12-0-0 to 15-0-0, Interior(1) 15-0-0 to 24-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

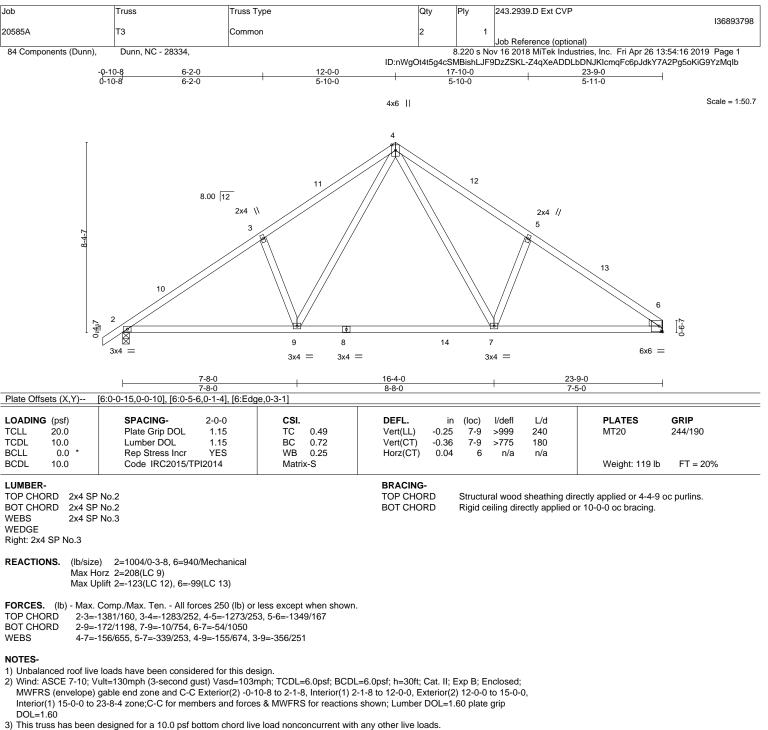
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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, with BCDL = 10.0psf.

5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.







4) * This truss has been designed for a 10.0 psr 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, with BCDL = 10.0psf.

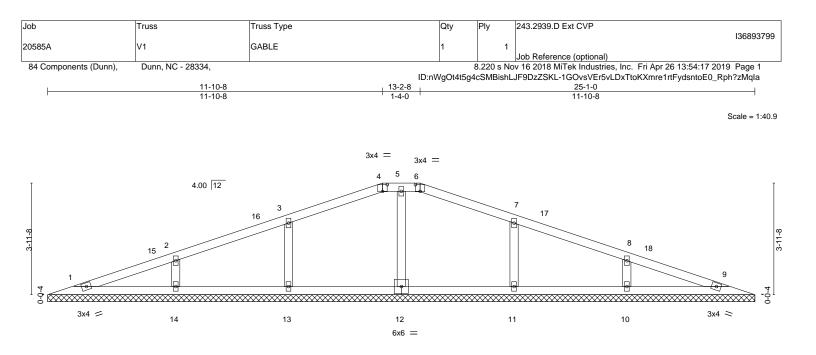
5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6.

7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.







late Offsets (X,Y)	[4:0-2-0,0-2-13], [6:0-2-0,0	0-2-13]	1		25-1-0						
OADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL 20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
CDL 10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
CLL 0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	9	n/a	n/a		
CDL 10.0	Code IRC2015/TP	12014	Matrix	k-S						Weight: 88 lb	FT = 20%
UMBER-					BRACING-						
OP CHORD 2x4 S	P No.2				TOP CHOR	D	Structu	ral wood	sheathing dir	ectly applied or 6-0-0	oc purlins, except
OT CHORD 2x4 S	P No.2						2-0-0 o	c purlins	(6-0-0 max.):	4-6.	

BOT CHORD

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

05 4 0

BOT CHORD2x4 SP No.2OTHERS2x4 SP No.3

REACTIONS. All bearings 25-1-0.

(lb) - Max Horz 1=61(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 13, 14, 11, 10

Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 12=299(LC 1), 13=326(LC 23), 14=340(LC 1), 11=326(LC 24), 10=340(LC 1)

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

 WEBS
 2-14=-250/126, 8-10=-250/126

NOTES-

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

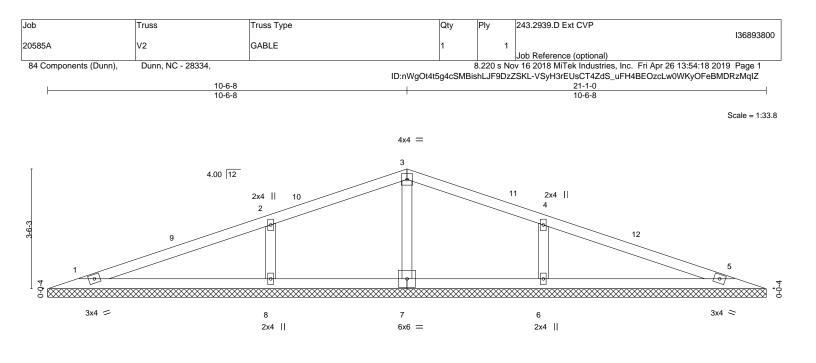
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-11-5 to 3-11-5, Interior(1) 3-11-5 to 11-10-8, Exterior(2) 11-10-8 to 17-5-7, Interior(1) 17-5-7 to 24-1-11 zone; porch left 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 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

- 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 13, 14, 11, 10.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.







			21-1-0					
		1	21-1-0				1	1
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 0.40	Vert(LL)	n/a -	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.25	Vert(CT)	n/a -	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Horz(CT)	0.00 5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 70 lb	FT = 20%
LUMBER- TOP CHORD 2x4 SP I	BRACING- TOP CHORD	Structu	iral wood	sheathing di	rectly applied or 6-0-0	oc purlins.		

BOT CHORD

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

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS

REACTIONS. All bearings 21-1-0.

(lb) - Max Horz 1=54(LC 16)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-117(LC 12), 6=-117(LC 13) Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=484(LC 23), 6=484(LC 24)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. 2-8=-354/177, 4-6=-354/177 WEBS

NOTES-

5)

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-11-5 to 3-11-5, Interior(1) 3-11-5 to 10-6-8, Exterior(2) 10-6-8 to 13-6-8, Interior(1) 13-6-8 to 20-1-11 zone; porch 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.

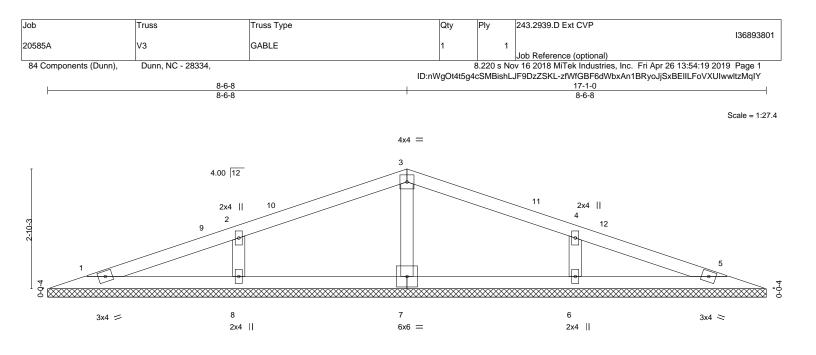
* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (it=lb) 8=117.6=117.

CITITION CONTRACTOR 4925 munn April 29,2019







			17-1-0 17-1-0						
OADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
ICLL 20.0	Plate Grip DOL 1.15	TC 0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.12	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S						Weight: 55 lb	FT = 20%

TOP CHORD

BOT CHORD

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.3 OTHERS

REACTIONS. All bearings 17-1-0.

(lb) - Max Horz 1=-43(LC 17)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=280(LC 1), 8=361(LC 23), 6=361(LC 24)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 2-8=-271/137, 4-6=-271/137

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-11-5 to 3-11-5, Interior(1) 3-11-5 to 8-6-8, Exterior(2) 8-6-8 to 11-6-8, Interior(1) 11-6-8 to 16-1-11 zone; porch 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.

* 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 5) will fit between the bottom chord and any other members.

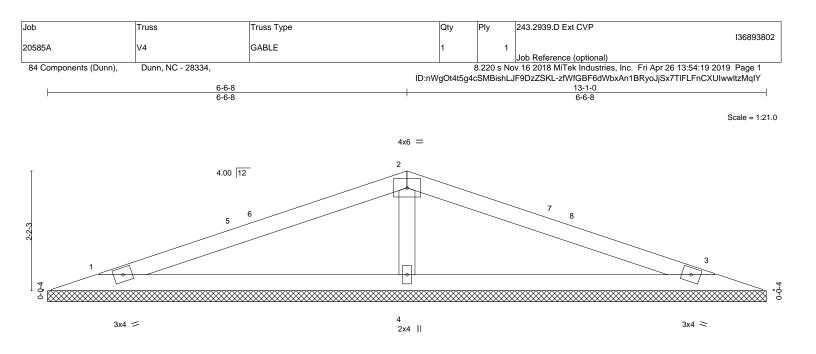
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8, 6.

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

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



MANUTURI I EAL 044925 (IIIIIIII) April 29,2019



OADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in ((loc)	l/defl	L/d	PLATES	GRIP
CLL 20.0	Plate Grip DOL 1.15	TC 0.45	Vert(LL)	n/a	-	n/a	999	MT20	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.31	Vert(CT)	n/a	-	n/a	999		
CLL 0.0 *	Rep Stress Incr YES	WB 0.07	Horz(CT)	0.00	3	n/a	n/a		
CDL 10.0	Code IRC2015/TPI2014	Matrix-S						Weight: 39 lb	FT = 20%

TOP CHORD

BOT CHORD

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

2x4 SP No.3

REACTIONS. 1=192/13-1-0, 3=192/13-1-0, 4=513/13-1-0 (lb/size) Max Horz 1=31(LC 16) Max Uplift 1=-42(LC 8), 3=-46(LC 13), 4=-42(LC 8) Max Grav 1=198(LC 23), 3=198(LC 24), 4=513(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 2-4=-349/145

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-11-5 to 3-11-5, Interior(1) 3-11-5 to 6-6-8, Exterior(2) 6-6-8 to 9-6-8, Interior(1) 9-6-8 to 12-1-11 zone; porch 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.

* 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 5) 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) 1, 3, 4.

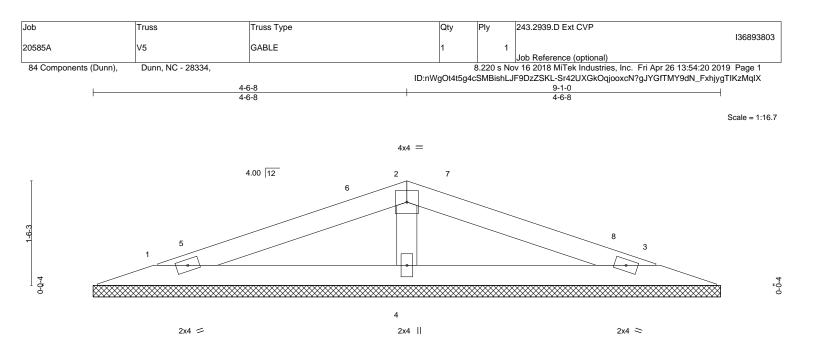


Structural wood sheathing directly applied or 6-0-0 oc purlins.

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



LUMBER-



			<u>9-1-0</u> 9-1-0					
_OADING (psf)	SPACING- 2-0-0	CSI.	DEFL. i	n (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.24	Vert(LL) n/	· · ·	n/a	999	MT20	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.13	Vert(CT) n/	a -	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(CT) 0.0	0 3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P					Weight: 26 lb	FT = 20%

JMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS

TOP CHORD BOT CHORD

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

REACTIONS. (lb/size) 1=139/9-1-0, 3=139/9-1-0, 4=298/9-1-0 Max Horz 1=-20(LC 13) Max Uplift 1=-34(LC 8), 3=-36(LC 9), 4=-13(LC 8)

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

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-11-5 to 3-11-5, Interior(1) 3-11-5 to 4-6-8, Exterior(2) 4-6-8 to 7-6-8, Interior(1) 7-6-8 to 8-1-11 zone; porch 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.

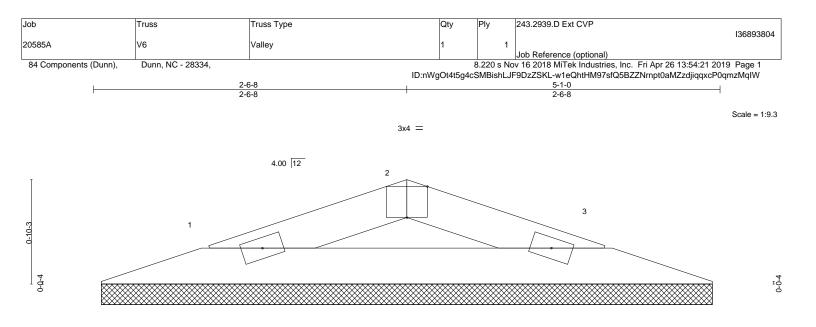
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* 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 5) 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) 1, 3, 4.







2x4 =

 $2x4 \ge$

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

Plate Offsets (X,Y) [2:0-2-0,Edge]	1		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.04	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.13	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 3 n/a n/a	
3CDL 10.0	Code IRC2015/TPI2014	Matrix-P		Weight: 12 lb FT = 20%

BOT CHORD

OP (CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

REACTIONS. (lb/size) 1=128/4-11-8, 3=128/4-11-8 Max Horz 1=9(LC 16) Max Uplift 1=-18(LC 8), 3=-18(LC 9)

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

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

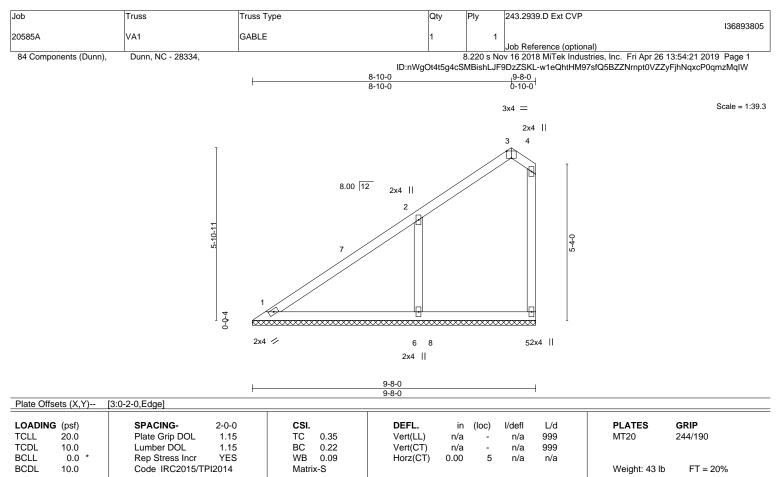
3) Gable requires continuous bottom chord bearing.

- 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) 1, 3.







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

REACTIONS. (lb/size) 1=170/9-8-0, 5=103/9-8-0, 6=450/9-8-0 Max Horz 1=205(LC 12) Max Uplift 5=-16(LC 12), 6=-174(LC 12) Max Grav 1=170(LC 1), 5=151(LC 19), 6=526(LC 19)

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

 WEBS
 2-6=-357/231

NOTES-

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 8-10-0, Exterior(2) 8-10-0 to 9-6-4 zone; 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.

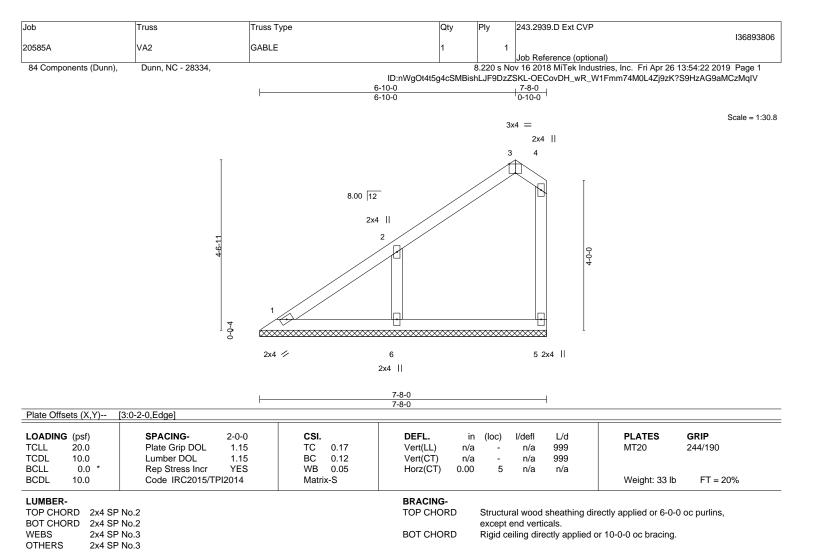
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=174.





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



REACTIONS. (lb/size) 1=101/7-8-0, 5=132/7-8-0, 6=330/7-8-0 Max Horz 1=154(LC 12) Max Uplift 5=-28(LC 12), 6=-125(LC 12) Max Grav 1=106(LC 21), 5=132(LC 1), 6=351(LC 19)

NOTES-

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-8-0, Interior(1) 3-8-0 to 6-10-0, Exterior(2) 6-10-0 to 7-6-4 zone; 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.

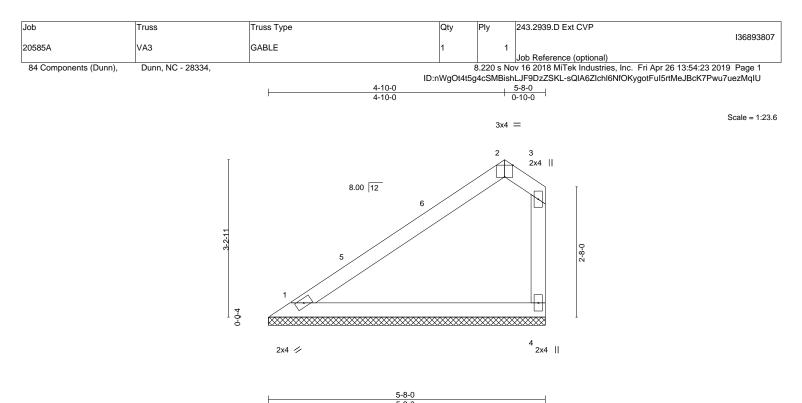
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=125.





FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 2-6=-269/174

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



DADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc	l/defl	L/d	PLATES	GRIP
CLL 20.0	Plate Grip DOL 1.15	TC 0.36	Vert(LL)	n/a -	n/a	999	MT20	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.24	Vert(CT)	n/a -	n/a	999		
CLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.00	n/a	n/a		
CDL 10.0	Code IRC2015/TPI2014	Matrix-R					Weight: 21 lb	FT = 20%

BOT CHORD

except end verticals.

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

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

REACTIONS. (lb/size) 1=202/5-8-0, 4=202/5-8-0 Max Horz 1=102(LC 12)

Max Uplift 1=-9(LC 12), 4=-53(LC 12)

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

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed;

MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 4-10-0, Exterior(2) 4-10-0 to 5-6-4

zone;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.

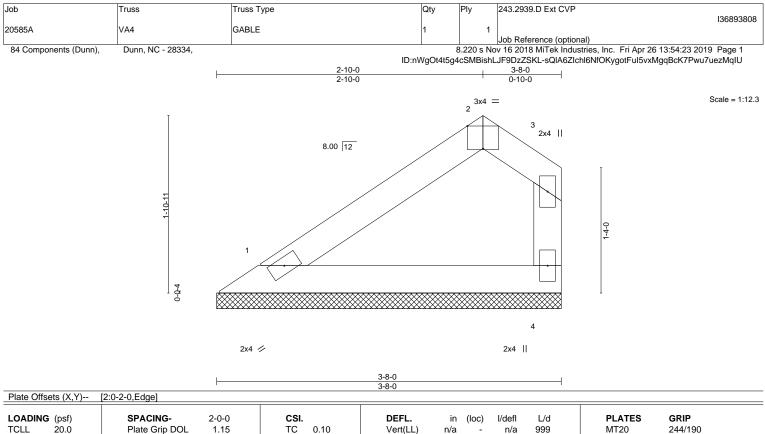
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide

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) 1, 4.







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 0.10 BC 0.08 WB 0.00 Matrix-R	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a - n/a 999	PLATES MT20 Weight: 13 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	No.2		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied c	, ,,	oc purlins,

REACTIONS. (lb/size) 1=122/3-8-0, 4=122/3-8-0 Max Horz 1=51(LC 12)

Max Uplift 1=-10(LC 12), 4=-23(LC 12)

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

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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.

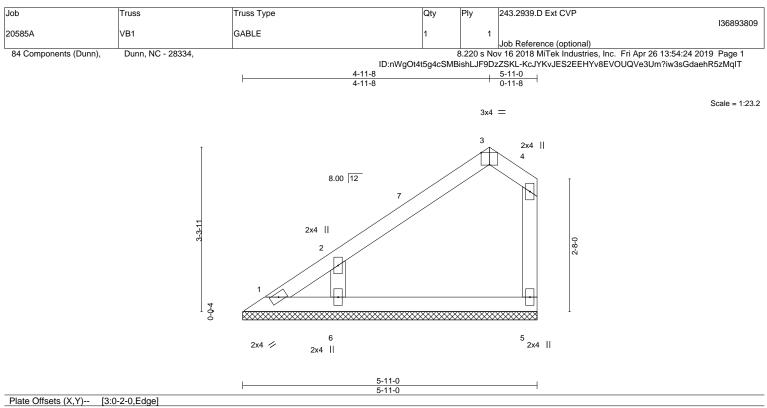
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide

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) 1, 4.







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 0.18 BC 0.10 WB 0.05 Matrix-S	DEFL. Vert(LL) n Vert(CT) n Horz(CT) 0.0	′a -	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 23 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	P No.2		BRACING- TOP CHORD BOT CHORD	except	end vertic	als.	ectly applied or 5-11- or 10-0-0 oc bracing.	0 oc purlins,

REACTIONS. (lb/size) 1=16/5-11-0, 5=139/5-11-0, 6=269/5-11-0 Max Horz 1=103(LC 12) Max Uplift 1=-22(LC 10), 5=-27(LC 12), 6=-94(LC 12) Max Grav 1=57(LC 12), 5=139(LC 1), 6=285(LC 19)

2x4 SP No.3

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

NOTES-

OTHERS

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

 Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 4-11-8, Exterior(2) 4-11-8 to 5-9-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 Gable requires continuous bottom chord bearing.

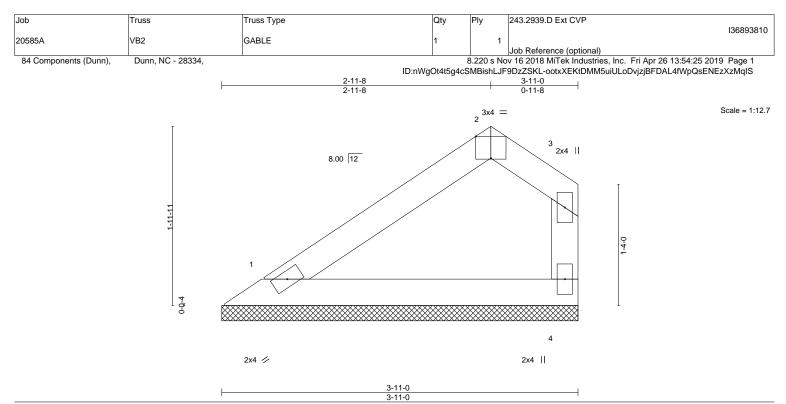
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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) 1, 5, 6.







LOADING (psf) TCLL 20.0 TCDL 10.0 3CLL 0.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYES	CSI. TC 0.12 BC 0.10 WB 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) n/a - n/a - 0.00 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL 10.0	Code IRC2015/TPI2014	Matrix-R					Weight: 14 lb	FT = 20%

BOT CHORD

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

REACTIONS. (lb/size) 1=132/3-11-0, 4=132/3-11-0 Max Horz 1=52(LC 12) Max Uplift 1=-11(LC 12), 4=-23(LC 12)

2x4 SP No.3

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

NOTES-

WEBS

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) 1, 4.





