ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: Quote_File
Mosconi - Charleston F

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: I41602735 thru I41602791

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

North Carolina COA: C-0844

June 11,2020

Johnson, Andrew

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

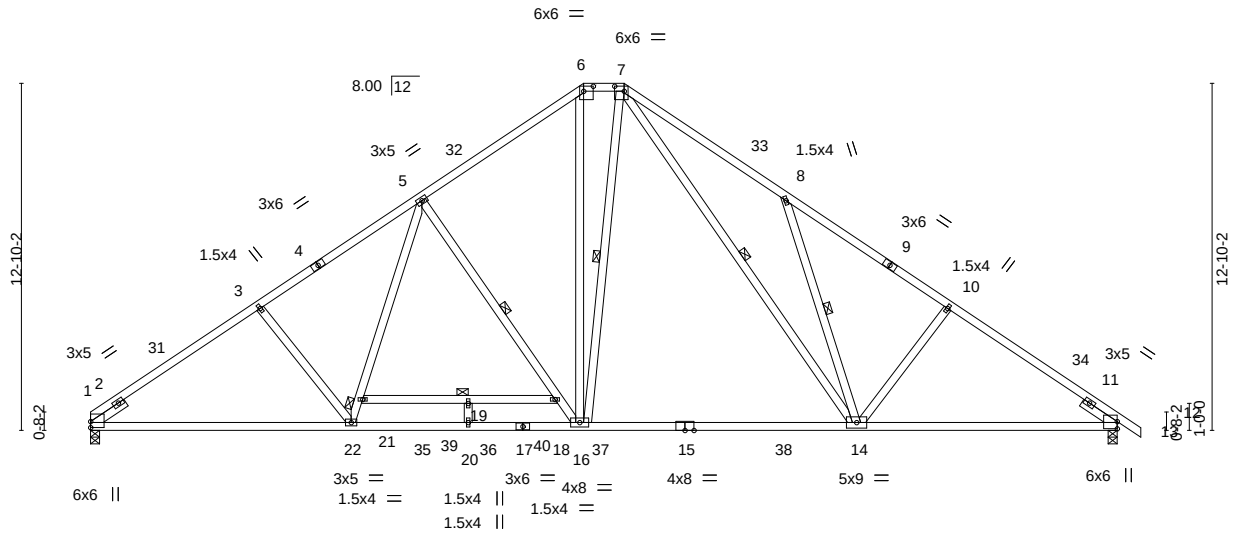
Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H01	Hip	1	1	I41602735
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:27 2020 Page 1

ID:eK10P54OmgQFxPSRYRuB9kzEHMn-Ckw11rdcF6nGqP6zGs5KhbRO1GKF?0jHD_lQgcz7jyU

6-3-5	12-3-3	18-3-0	19-9-0	25-8-13	31-8-11	38-0-0	38-10-8
6-3-5	5-11-13	5-11-13	1-6-0	5-11-13	5-11-13	6-3-5	0-10-8

Scale = 1:85.3



9-7-12	13-11-12	18-3-0	28-4-4	38-0-0
9-7-12	4-4-0	4-3-4	10-1-4	9-7-12

Plate Offsets (X,Y)-- [6:0-4-4,0-2-4], [7:0-4-4,0-2-4]

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	0.85	Vert(LL)	-0.48	14-16	>951	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.76	14-16	>598	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.12	12	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 198 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2 *Except* 15-17: 2x4 SPF 1650F 1.5E
WEBS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-7-5 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 7-9-15 oc bracing.
WEBS	1 Row at midpt 5-16, 7-16, 7-14, 8-14
JOINTS	1 Brace at Jt(s): 21, 19

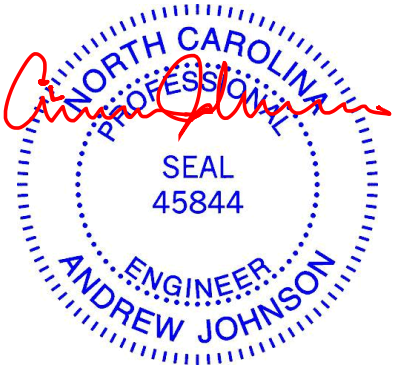
REACTIONS. (size) 1=0-4-0, 12=0-4-0
Max Horz 1=-311(LC 8)
Max Uplift 1=-386(LC 12), 12=-433(LC 13)
Max Grav 1=1863(LC 19), 12=1840(LC 20)

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

TOP CHORD	1-3=-2762/591, 3-5=-2596/602, 5-6=-1950/588, 6-7=-1552/552, 7-8=-2859/1084, 8-10=-2484/639, 10-12=-2648/626
BOT CHORD	1-22=-552/2415, 20-22=-325/2085, 16-20=-325/2085, 14-16=-92/1499, 12-14=-391/2083
WEBS	3-22=-360/311, 21-22=-136/517, 5-21=-102/623, 5-18=-831/413, 16-18=-917/384, 6-16=-230/894, 7-16=-107/430, 7-14=-802/1438, 8-14=-710/553, 10-14=-373/317

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 18-3-0, Exterior(2) 18-3-0 to 23-11-15, Interior(1) 23-11-15 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 386 lb uplift at joint 1 and 433 lb uplift at joint 12.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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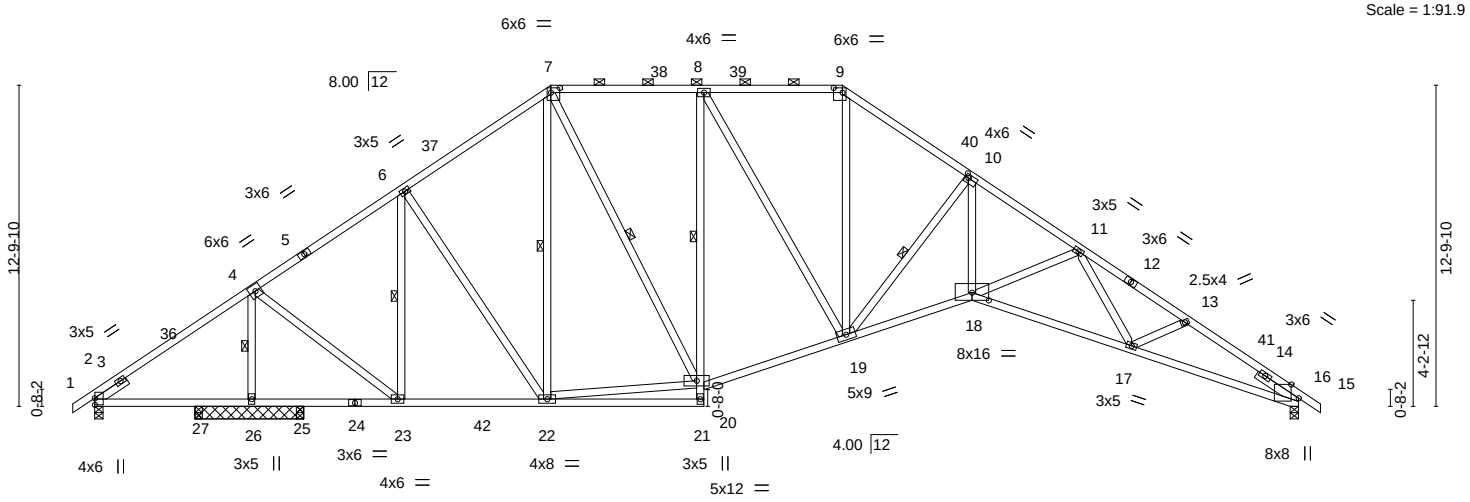
Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H02	Hip	1	1	I41602736
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:29 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-861nSXftnj2_3jFMNH8om0XjI32LTvFagIEXlVz7jyS

-0-10-8	6-3-1	12-2-11	18-2-4	24-3-8	29-9-12	34-11-12	39-2-11	43-5-9	48-0-0	48-10-8
0-10-8	6-3-1	5-11-9	5-11-9	6-1-4	5-6-4	5-2-0	4-2-15	4-2-15	4-6-7	0-10-8

Scale = 1:91.9



4-0-0	6-2-0	8-0-8	12-2-11	18-2-4	24-3-8	29-9-12	34-11-12	41-4-2	48-0-0
4-0-0	2-2-0	1-10-8	4-2-3	5-11-9	6-1-4	5-6-4	5-2-0	6-4-6	6-7-14

Plate Offsets (X,Y)-- [2:0-3-3,0-0-1], [7:0-4-4,0-2-4], [9:0-4-4,0-2-4], [10:0-1-8,0-1-12], [15:0-6-9,Edge], [18:0-8-0,0-3-11]

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	0.84	Vert(LL)	-0.31	17-18	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.63	17-18	>755	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.38	15	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 260 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* 12-16: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2 *Except* 8-21: 2x4 SPF Stud, 15-18: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-4-12 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 5-4-10 oc bracing. Except: 1 Row at midpt 8-20
WEBS	1 Row at midpt 4-26, 6-23, 7-22, 7-20, 10-19

REACTIONS. All bearings 0-4-0 except (jt=length) 26=4-4-0, 27=0-3-8, 25=0-3-8.
(lb) - Max Horz 2=-315(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 27, 25 except 2=-514(LC 24), 26=-558(LC 12), 15=-493(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 25 except 26=2216(LC 1), 15=1630(LC 1), 27=289(LC 19)

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

TOP CHORD	2-4=-309/1006, 4-6=-906/436, 6-7=-1300/622, 7-8=-1412/676, 8-9=-1657/704, 9-10=-1990/770, 10-11=-3543/1051, 11-13=-3815/1123, 13-15=-3887/1160
BOT CHORD	2-27=-873/337, 26-27=-873/337, 25-26=-873/337, 23-25=-873/337, 22-23=-275/770, 8-20=-911/312, 19-20=-277/1361, 18-19=-593/3053, 17-18=-803/3365, 15-17=-892/3249
WEBS	4-26=-2358/721, 4-23=-350/1722, 6-23=-987/285, 6-22=-124/618, 7-22=-458/165, 20-22=-219/894, 7-20=-264/833, 8-19=-91/599, 9-19=-235/807, 10-19=-2130/628, 10-18=-470/2271, 11-18=-464/300

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 18-2-4, Exterior(2) 18-2-4 to 22-5-3, Interior(1) 22-5-3 to 29-9-12, Exterior(2) 29-9-12 to 34-0-11, Interior(1) 34-0-11 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 27, 25 except (jt=lb) 2=514, 26=558, 15=493.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

June 11,2020

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H03	Half Hip	1	1	I41602737
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:29 2020 Page 1
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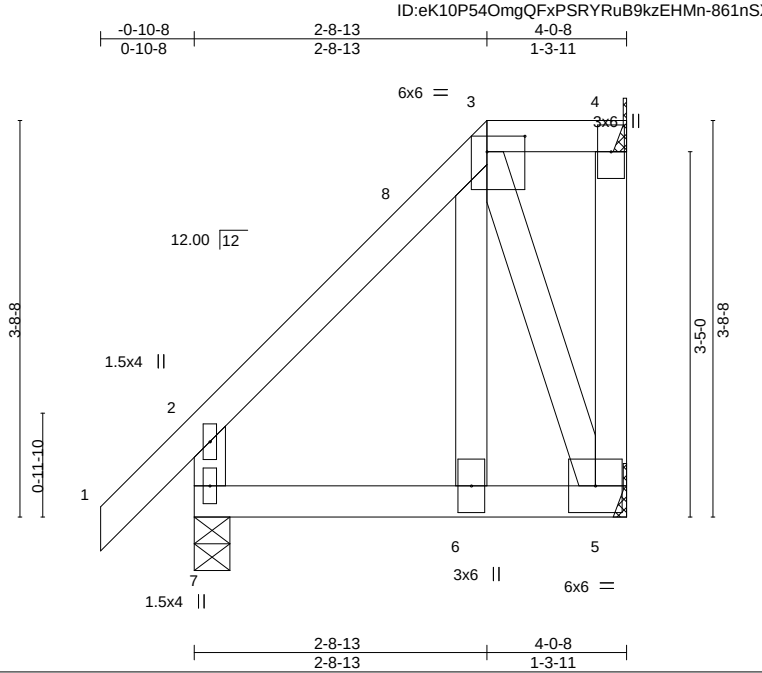

Plate Offsets (X,Y)-- [3:0-4-4,0-1-12]

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	0.22	Vert(LL)	-0.10	6-7	>465	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.11	6-7	>422	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	-0.28	4	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 6-5-10 oc bracing.

REACTIONS. (size) 4=Mechanical, 7=0-4-0, 5=Mechanical
Max Horz 7=144(LC 9)
Max Uplift 4=-24(LC 9), 7=-52(LC 12), 5=-75(LC 9)
Max Grav 4=35(LC 1), 7=220(LC 1), 5=135(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-257/269
WEBS 3-6=-631/521, 3-5=-536/615

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-8-13, Exterior(2) 2-8-13 to 3-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 7, 5.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H04	Half Hip Girder	1	1	I41602738
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:30 2020 Page 1
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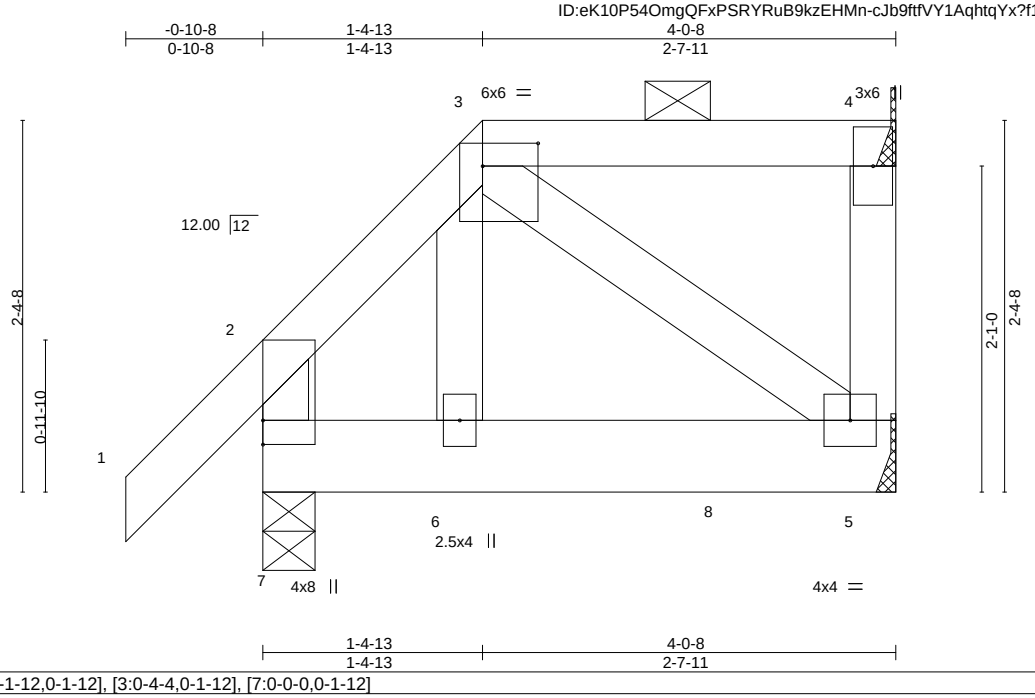

Plate Offsets (X,Y)-- [2:0-1-12,0-1-12], [3:0-4-4,0-1-12], [7:0-0-0,0-1-12]

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	0.12	Vert(LL)	-0.00	6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 22 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 7=0-4-0, 5=Mechanical
Max Horz 7=91(LC 9)
Max Uplift 4=-52(LC 8), 7=-70(LC 12), 5=-30(LC 9)
Max Grav 4=75(LC 1), 7=234(LC 1), 5=93(LC 3)

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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, 7, 5.
8) Girder carries tie-in span(s): 3-0-0 from 1-0-0 to 3-0-0
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) 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: 1-2=-60, 2-3=-60, 3-4=-60, 6-7=-20, 6-8=-38(F=-17), 5-8=-20

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H05	Hip Girder	1	1	I41602739
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:31 2020 Page 1
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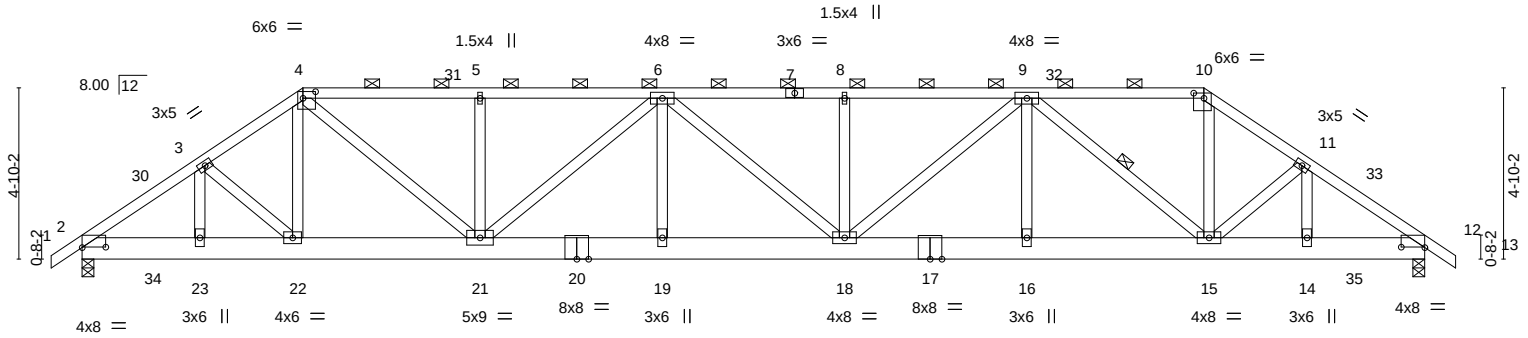
-0-10-8	3-4-0	6-3-0	11-3-2	16-5-1	21-6-15	26-8-14	31-9-0	34-8-0	38-0-0	38-10-8
0-10-8	3-4-0	2-11-0	5-0-2	5-1-14	5-1-14	5-1-14	5-0-2	2-11-0	3-4-0	0-10-8

Scale = 1:65.2



3-4-0	6-3-0	11-3-2	16-5-1	21-6-15	26-8-14	31-9-0	34-8-0	38-0-0
3-4-0	2-11-0	5-0-2	5-1-14	5-1-14	5-1-14	5-0-2	2-11-0	3-4-0

Plate Offsets (X,Y)-- [2:0-8-0,0-0-2], [4:0-4-4,0-2-4], [10:0-3-8,0-1-12], [12:0-8-0,0-0-2]

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	0.79	Vert(LL)	0.30	18-19	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.49	18-19	>926	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.08	12	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 241 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except 2-0-0 oc purlins (2-4-5 max.): 4-10.
BOT CHORD Rigid ceiling directly applied or 7-3-4 oc bracing.
WEBS 1 Row at midpt 9-15

REACTIONS. (size) 2=0-4-0, 12=0-4-0
Max Horz 2=118(LC 11)
Max Uplift 2=-639(LC 9), 12=-639(LC 8)
Max Grav 2=2139(LC 1), 12=2139(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3081/1001, 3-4=-3166/1080, 4-5=-3867/1348, 5-6=-3867/1348, 6-8=-4547/1571, 8-9=-4547/1571, 9-10=-2530/910, 10-11=-3142/1068, 11-12=-3087/1005
BOT CHORD 2-23=-853/2512, 22-23=-853/2512, 21-22=-864/2586, 19-21=-1548/4590, 18-19=-1548/4590, 16-18=-1255/3899, 15-16=-1255/3899, 14-15=-761/2515, 12-14=-761/2515
WEBS 3-23=-291/131, 4-22=-115/433, 4-21=-646/1737, 5-21=-318/226, 6-21=-980/376, 6-19=-26/338, 8-18=-299/209, 9-18=-332/883, 9-16=-6/300, 9-15=-1832/688, 10-15=-453/1501, 11-14=-251/111

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-3-0, Exterior(2) 6-3-0 to 10-5-15, Interior(1) 10-5-15 to 31-9-0, Exterior(2) 31-9-0 to 35-11-15, Interior(1) 35-11-15 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=639, 12=639.
7) Girder carries tie-in span(s): 4-0-0 from 2-0-0 to 36-0-0
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-60, 4-10=-60, 10-13=-60, 24-34=-20, 34-35=-53(F=-33), 27-35=-20

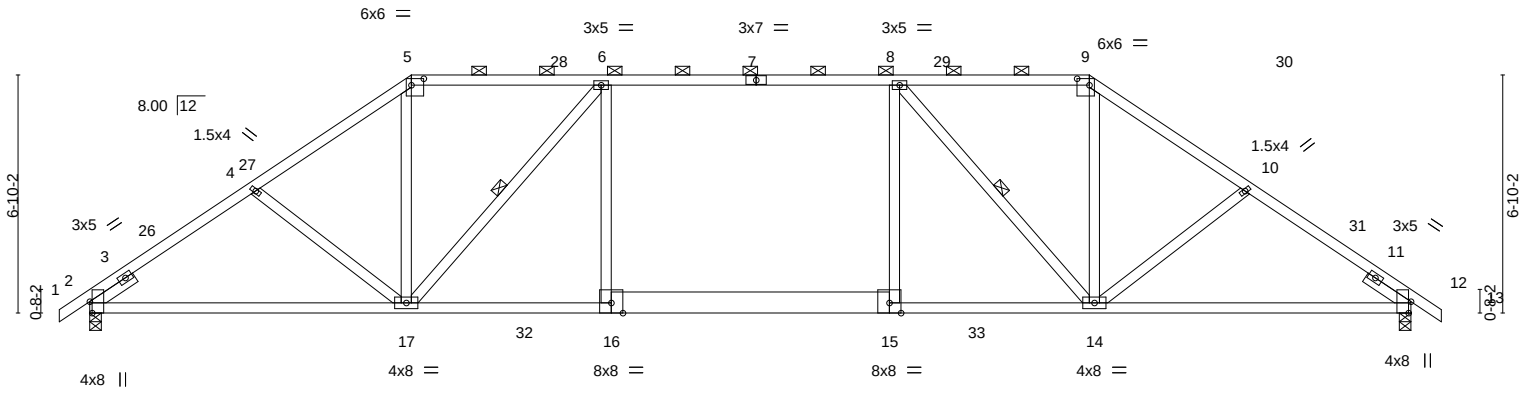
Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H06	Hip	1	1	I41602740
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:32 2020 Page 1

ID:eK10P54OmgQFxPSRYRuB9kzEHMn-Yhjw4Yhl4eQYwB_x3QhVOf9E5H24gO90MGTBMqz7jyP

-0-10-8	4-9-4	9-3-0	15-0-0	23-0-0	28-9-0	33-2-12	38-0-0	38-10-8
0-10-8	4-9-4	4-5-12	5-9-0	8-0-0	5-9-0	4-5-12	4-9-4	0-10-8

Scale = 1:66.3



9-3-0	15-0-0	19-0-0	23-0-0	28-9-0	38-0-0
9-3-0	5-9-0	4-0-0	4-0-0	5-9-0	9-3-0

Plate Offsets (X,Y)-- [2:0-3-15,Edge], [5:0-4-4,0-2-4], [9:0-4-4,0-2-4], [12:0-3-15,Edge]

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	0.83	Vert(LL)	0.31	16-17	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.42	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.12	12	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 172 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2 *Except* 15-16: 2x8 SP No.1
WEBS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-11-8 oc purlins, except 2-0-0 oc purlins (2-7-11 max.): 5-9.
BOT CHORD	Rigid ceiling directly applied or 7-1-12 oc bracing.
WEBS	1 Row at midpt 6-17, 8-14

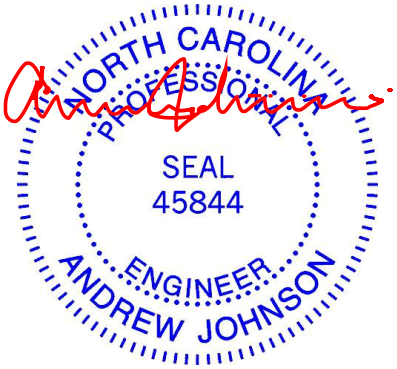
REACTIONS. (size) 2=0-4-0, 12=0-4-0
Max Horz 2=-168(LC 10)
Max Uplift 2=-395(LC 12), 12=-395(LC 13)
Max Grav 2=1602(LC 19), 12=1602(LC 20)

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

TOP CHORD	2-4=-2263/750, 4-5=-2114/713, 5-6=-1694/647, 6-8=-2322/823, 8-9=-1694/647, 9-10=-2114/713, 10-12=-2263/750
BOT CHORD	2-17=-581/1904, 16-17=-627/2358, 15-16=-624/2365, 14-15=-625/2357, 12-14=-518/1813
WEBS	4-17=-296/245, 5-17=-222/917, 6-17=-1026/431, 8-14=-1026/431, 9-14=-222/917, 10-14=-296/245, 6-16=0/389, 8-15=0/389

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-3-0, Exterior(2) 9-3-0 to 13-5-15, Interior(1) 13-5-15 to 28-9-0, Exterior(2) 28-9-0 to 32-11-15, Interior(1) 32-11-15 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=395, 12=395.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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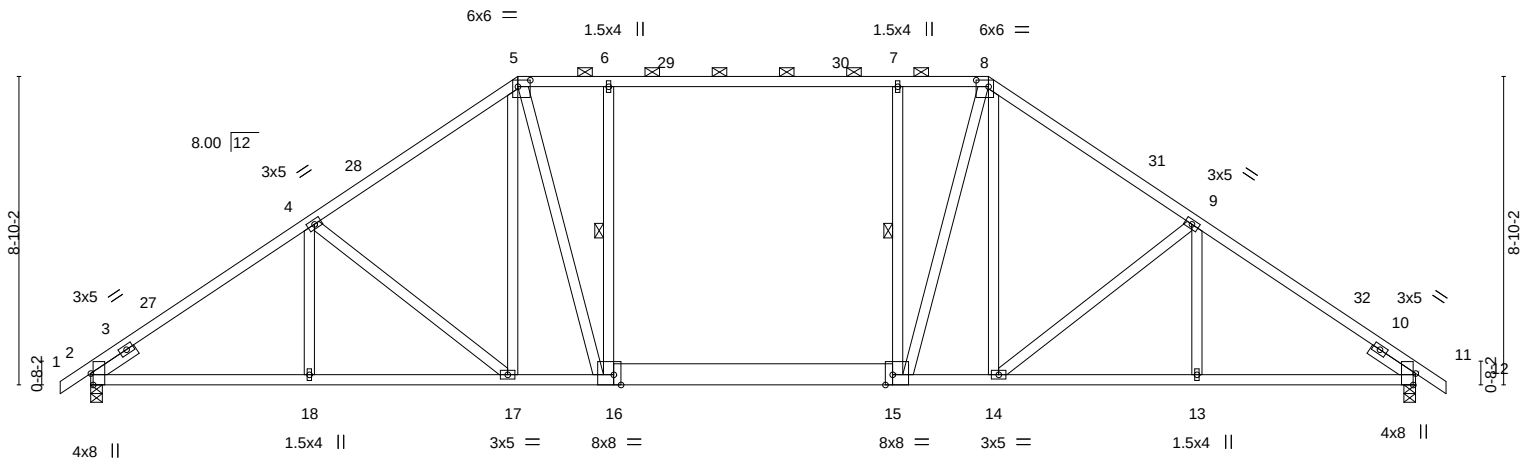
Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H07	Hip	1	1	I41602741
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:34 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-U4rgVEi?cGgG9U8JAqjzT4Ebu4mI8EbJqaylQiz7jyN

-0-10-8	6-3-4	12-3-0	15-0-0	19-0-0	23-0-0	25-9-0	31-8-12	38-0-0	38-10-8
0-10-8	6-3-4	5-11-12	2-9-0	4-0-0	4-0-0	2-9-0	5-11-12	6-3-4	0-10-8

Scale = 1:66.1



6-3-4	12-3-0	15-0-0	19-0-0	23-0-0	25-9-0	31-8-12	38-0-0
6-3-4	5-11-12	2-9-0	4-0-0	4-0-0	2-9-0	5-11-12	6-3-4

Plate Offsets (X,Y)-- [2:0-3-15,Edge], [5:0-4-4,0-2-4], [8:0-4-4,0-2-4], [11:0-3-15,Edge], [15:0-2-8,Edge], [16:0-2-8,Edge]

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	0.81	Vert(LL)	-0.26	16-17	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.36	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.10	11	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 197 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2 *Except* 15-16: 2x8 SP No.1
WEBS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-8-6 oc purlins, except 2-0-0 oc purlins (3-2-4 max.): 5-8.
BOT CHORD	Rigid ceiling directly applied or 8-3-6 oc bracing.
WEBS	1 Row at midpt 6-16, 7-15

REACTIONS. (size) 2=0-4-0, 11=0-4-0
Max Horz 2=217(LC 11)
Max Uplift 2=-424(LC 12), 11=-424(LC 13)
Max Grav 2=1596(LC 19), 11=1596(LC 20)

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

TOP CHORD	2-4=-2240/703, 4-5=-1905/702, 5-6=-1656/707, 6-7=-1650/703, 7-8=-1656/707, 8-9=-1905/702, 9-11=-2240/703
BOT CHORD	2-18=-498/1917, 17-18=-498/1917, 16-17=-368/1547, 15-16=-373/1694, 14-15=-278/1487, 13-14=-467/1779, 11-13=-467/1779
WEBS	4-17=-517/305, 5-17=-194/445, 5-16=-445/773, 8-15=-445/773, 8-14=-194/445, 9-14=-517/306, 6-16=-490/364, 7-15=-490/364

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 12-3-0, Exterior(2) 12-3-0 to 16-5-15, Interior(1) 16-5-15 to 25-9-0, Exterior(2) 25-9-0 to 29-11-15, Interior(1) 29-11-15 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=424, 11=424.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H08	Hip	1	1	I41602742
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:36 2020 Page 1
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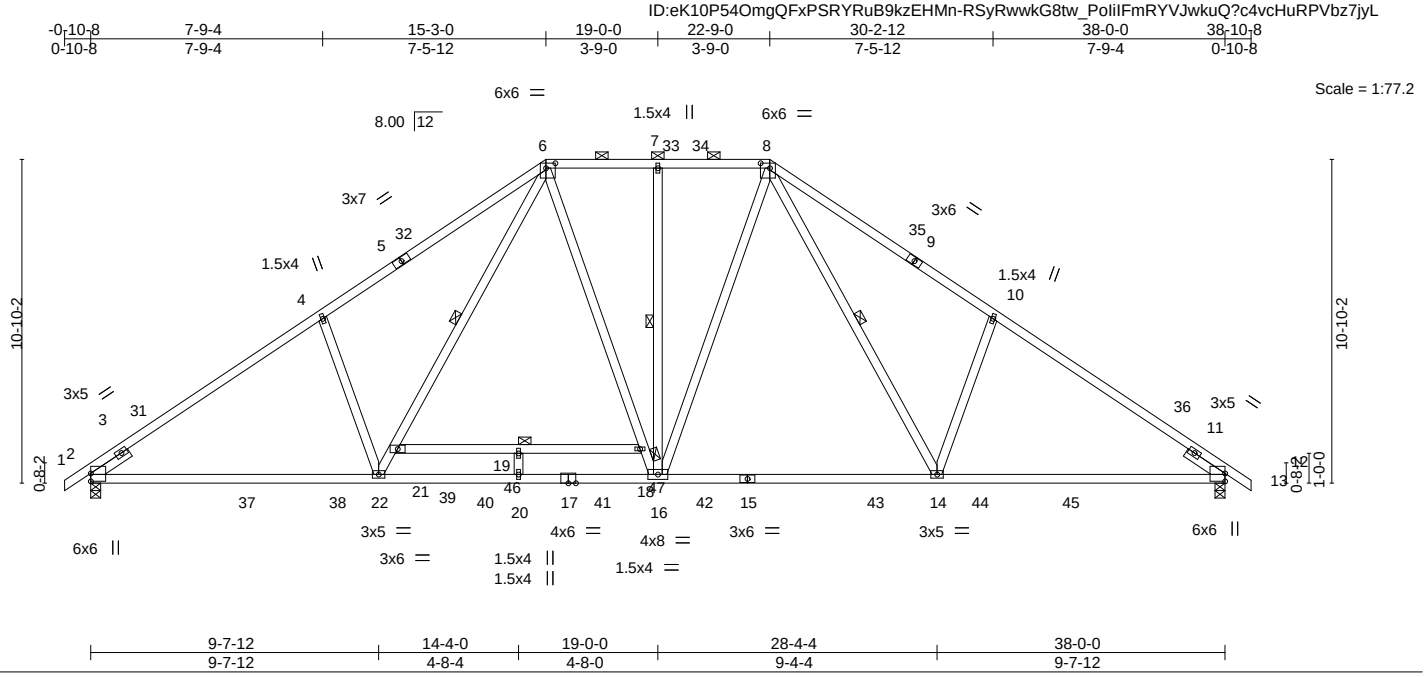

Plate Offsets (X,Y)-- [6:0-3-12,0-2-0], [8:0-3-12,0-2-0]

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	0.86	Vert(LL)	-0.36	20	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.65	20	>700	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.11	12	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 186 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E *Except* 6-8: 2x4 SPF No.2
BOT CHORD	2x4 SPF 1650F 1.5E *Except* 18-21: 2x4 SPF No.2
WEBS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-2-5 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-22, 7-16, 8-14
JOINTS	1 Brace at Jt(s): 18, 19

REACTIONS. (size) 2=0-4-0, 12=0-4-0
Max Horz 2=-267(LC 10)
Max Uplift 2=-385(LC 12), 12=-409(LC 13)
Max Grav 2=1980(LC 19), 12=1913(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2834/588, 4-6=-2777/715, 6-7=-1812/571, 7-8=-1812/571, 8-10=-2654/760, 10-12=-2709/634
BOT CHORD 2-22=-450/2429, 20-22=-159/1812, 16-20=-159/1812, 14-16=-134/1661, 12-14=-389/2128
WEBS 4-22=-554/458, 21-22=-352/958, 6-21=-316/1078, 6-18=-137/438, 16-18=-180/314, 8-16=-107/520, 8-14=-376/916, 10-14=-559/456

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 15-3-0, Exterior(2) 15-3-0 to 19-5-15, Interior(1) 19-5-15 to 22-9-0, Exterior(2) 22-9-0 to 26-11-15, Interior(1) 26-11-15 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=385, 12=409.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H09	Half Hip Girder	2	1	I41602743
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:36 2020 Page 1
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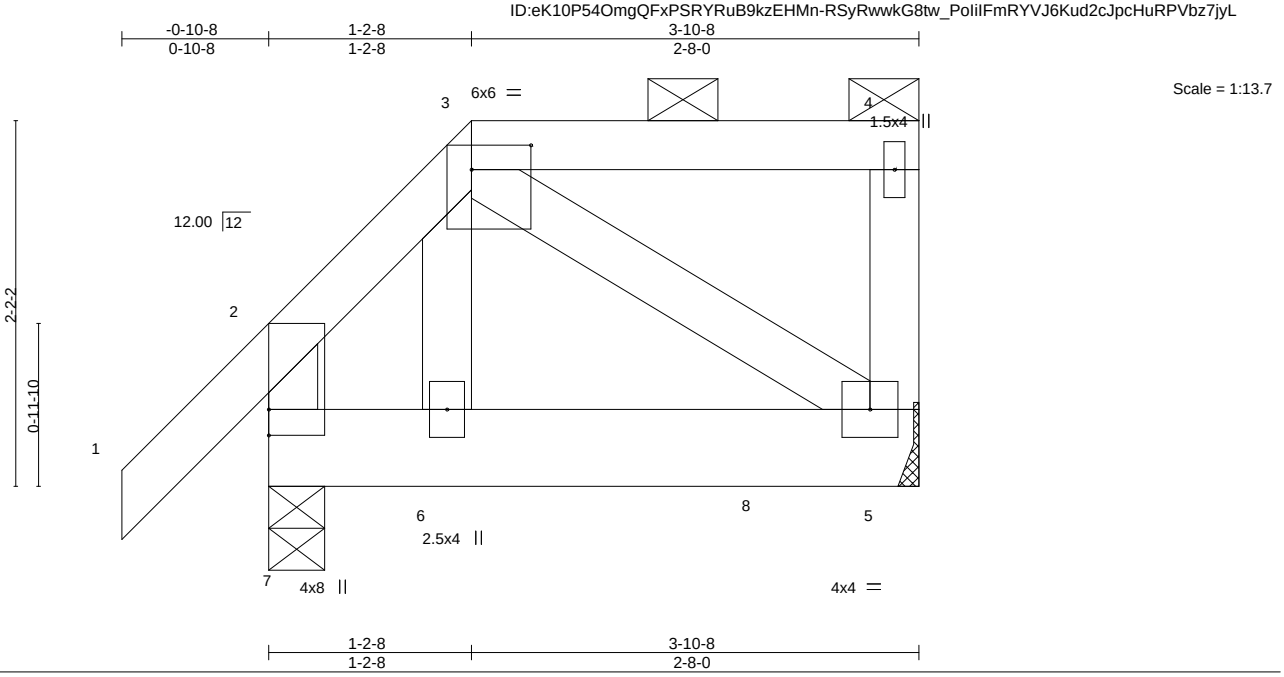


Plate Offsets (X,Y)-- [2:0-1-12,0-1-12], [3:0-4-4,0-1-12], [7:0-0-0,0-1-12]

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	0.11	Vert(LL)	-0.00	6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

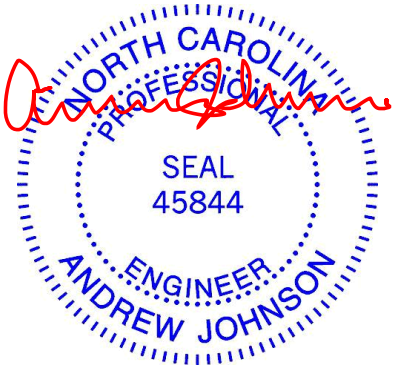
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-4-0, 5=Mechanical
Max Horz 7=84(LC 9)
Max Uplift 7=-70(LC 12), 5=-78(LC 9)
Max Grav 7=229(LC 1), 5=152(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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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, 5.
8) Girder carries tie-in span(s): 3-0-0 from 1-0-0 to 3-0-0
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
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: 1-2=-60, 2-3=-60, 3-4=-60, 6-7=-20, 6-8=-38(F=-17), 5-8=-20



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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	H10	Half Hip	2	1	I41602744
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:37 2020 Page 1
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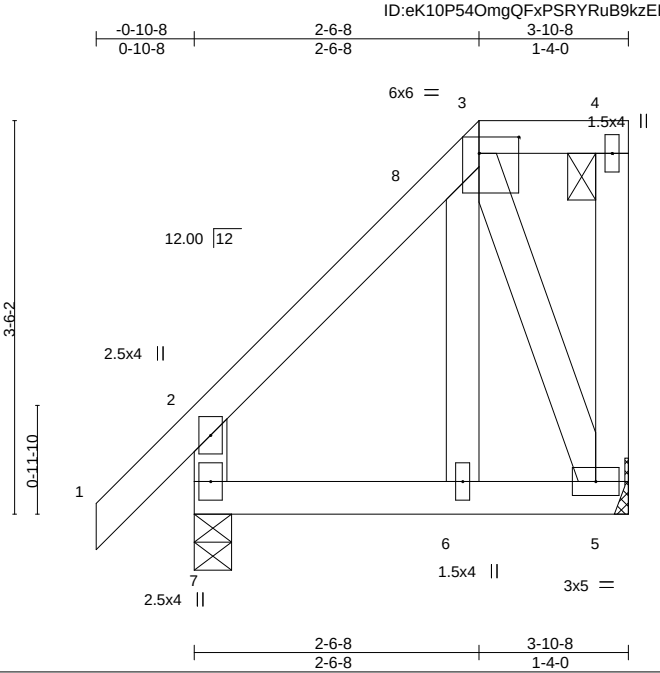


Scale = 1:20.6

Plate Offsets (X,Y)-- [3:0-4-4,0-1-12]

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	0.15	Vert(LL)	0.00	6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 23 lb	FT = 20%

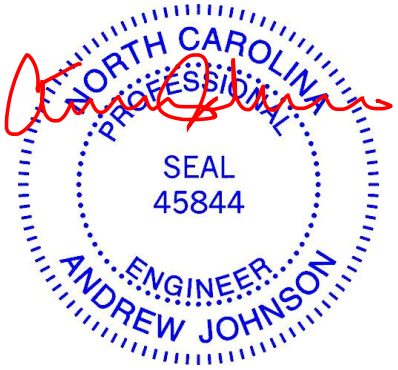
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-4-0, 5=Mechanical
Max Horz 7=137(LC 11)
Max Uplift 7=-52(LC 12), 5=-94(LC 9)
Max Grav 7=213(LC 1), 5=147(LC 19)

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-6-8, Exterior(2) 2-6-8 to 3-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 11,2020

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	J01	Jack-Open Supported Gable	1	1	I41602745
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:38 2020 Page 1
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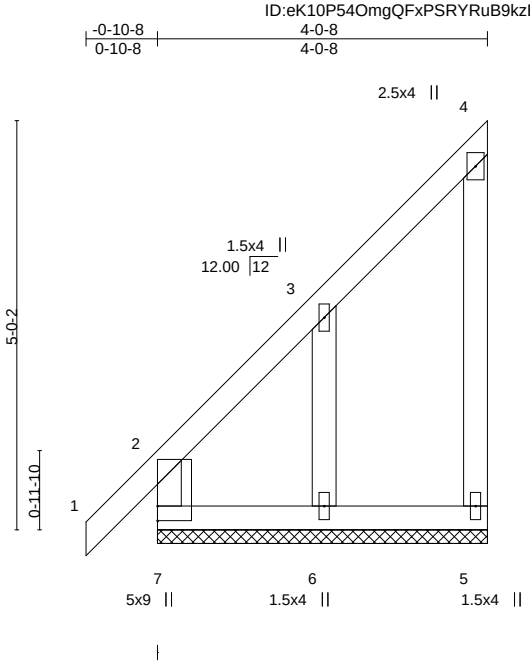

Plate Offsets (X,Y)-- [2:0-1-12,0-1-12], [7:0-0-0,0-1-12]

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	0.31	Vert(LL)	-0.00	2	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.00	2	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-R							Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=4-0-8, 5=4-0-8, 6=4-0-8
Max Horz 7=186(LC 9)
Max Uplift 7=-57(LC 8), 5=-51(LC 11), 6=-245(LC 12)
Max Grav 7=199(LC 20), 5=72(LC 19), 6=268(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-312/320
WEBS 3-6=-320/298

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-0-8, Exterior(2) 2-0-8 to 3-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 7, 5 except (jt=lb) 6=245.

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	J02	MONO TRUSS	11	1	I41602746
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:38 2020 Page 1
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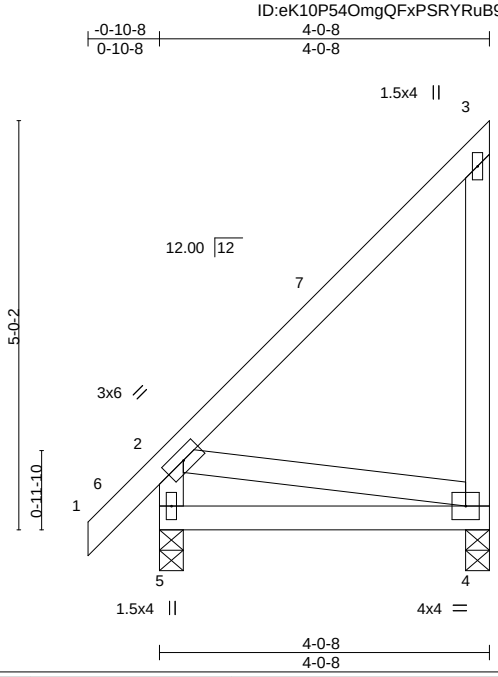


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.01	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 22 lb	FT = 20%

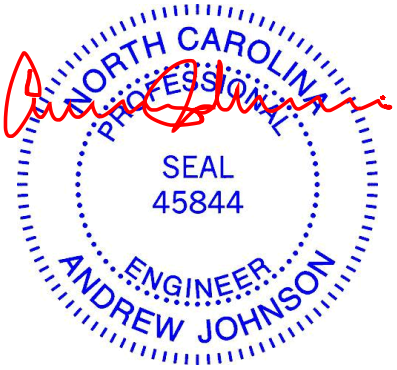
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 4=0-3-8
Max Horz 5=186(LC 9)
Max Uplift 5=-43(LC 8), 4=-127(LC 9)
Max Grav 5=253(LC 20), 4=208(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-320/292
WEBS 2-4=-258/294

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 4=127.



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	J03	Jack-Open	1	1	I41602747
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:39 2020 Page 1

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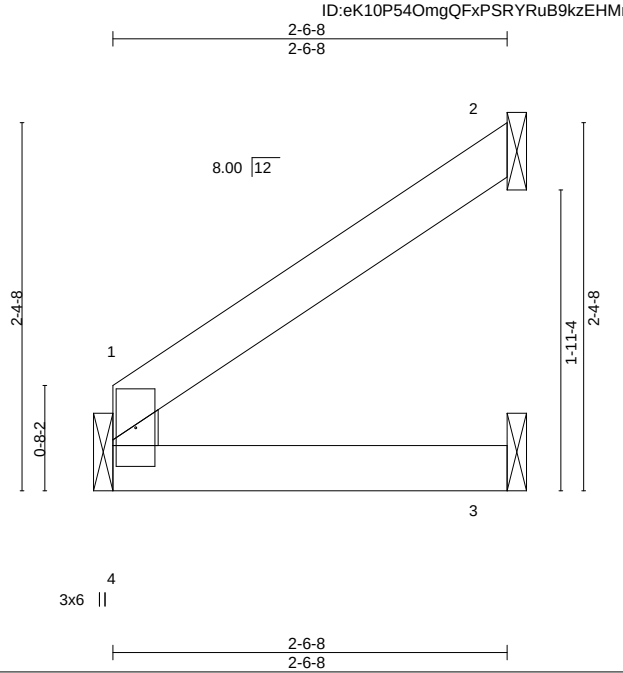

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	-0.00	3-4	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MR							Weight: 7 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-6-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=Mechanical, 3=Mechanical
Max Horz 4=77(LC 12)
Max Uplift 2=-73(LC 12), 3=-3(LC 12)
Max Grav 4=93(LC 1), 2=86(LC 19), 3=45(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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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, 3.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	J04	Jack-Open	4	1	I41602748 Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:39 2020 Page 1
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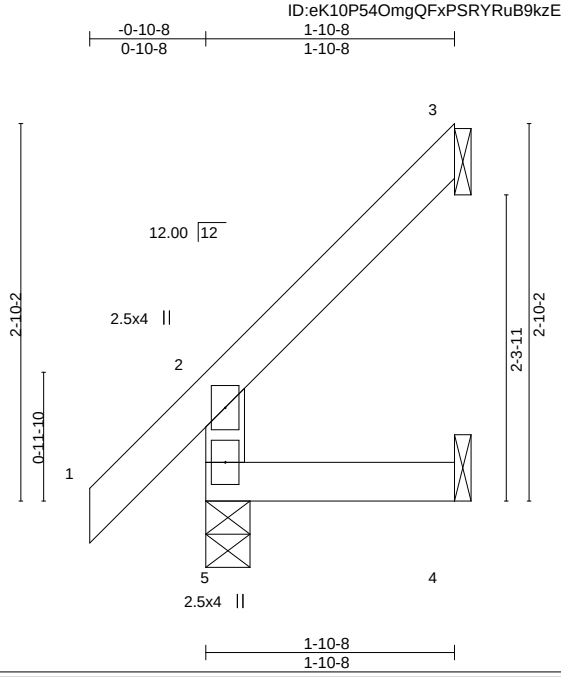


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.00	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MR							Weight: 8 lb	FT = 20%

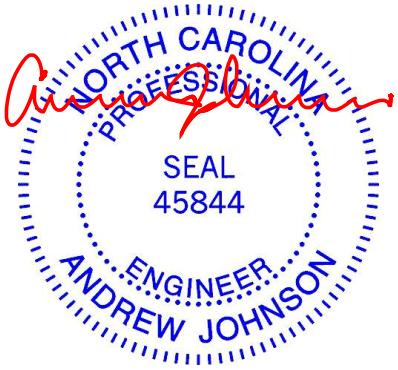
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

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

REACTIONS. (size) 5=0-4-0, 3=Mechanical, 4=Mechanical
Max Horz 5=118(LC 12)
Max Uplift 3=-83(LC 12), 4=-20(LC 12)
Max Grav 5=148(LC 1), 3=67(LC 19), 4=34(LC 10)

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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.



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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	J05	MONO TRUSS	14	1	I41602749
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:40 2020 Page 1
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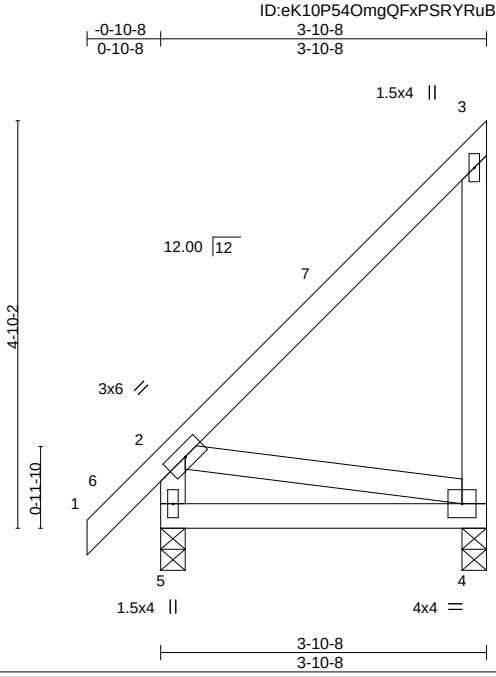


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.01	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MP							Weight: 22 lb	FT = 20%

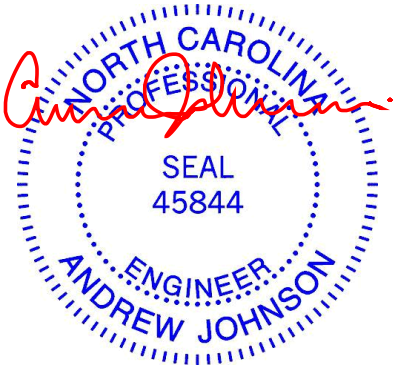
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 4=0-3-8
Max Horz 5=180(LC 9)
Max Uplift 5=-42(LC 8), 4=-123(LC 9)
Max Grav 5=246(LC 20), 4=198(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-309/281
WEBS 2-4=-250/286

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 4=123.



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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	J06	Jack-Open	2	1	I41602750
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:41 2020 Page 1
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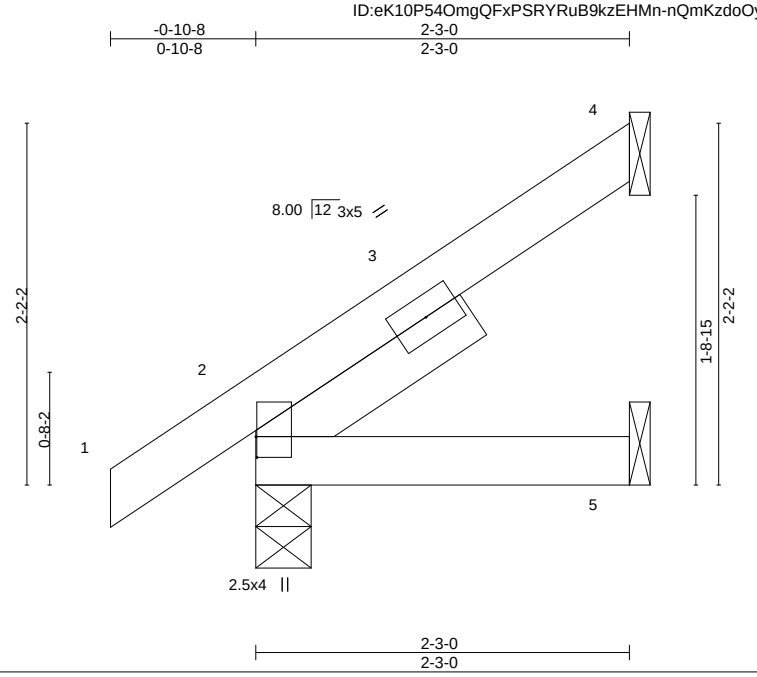

Plate Offsets (X,Y)-- [2:0-1-8,0-0-1]

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	0.06	Vert(LL)	-0.00	8	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.00	8	>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 IBC2015/TPI2014		Matrix-MP							Weight: 9 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
SLIDER Left 2x4 SPF Stud -x 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=92(LC 12)
Max Uplift 4=-59(LC 12), 2=-21(LC 12), 5=-7(LC 12)
Max Grav 4=70(LC 19), 2=150(LC 1), 5=38(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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.

June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	MG01	Monopitch Girder	1	2	I41602751
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:42 2020 Page 1
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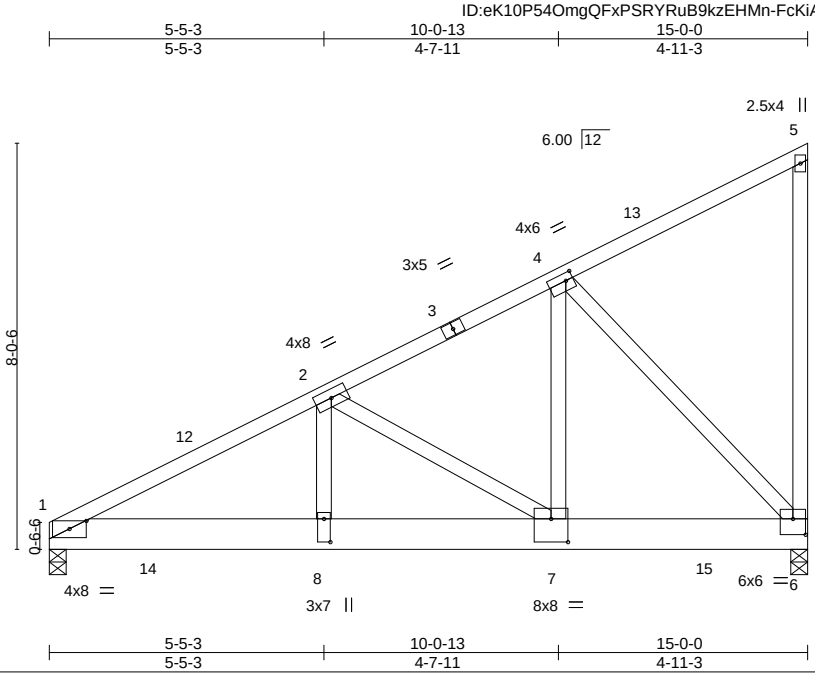


Plate Offsets (X,Y)-- [1:0-4-0,0-1-15], [4:0-1-12,0-1-12], [6:0-3-0,0-3-12], [7:0-4-0,0-5-8], [8:0-5-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	0.09	7-8	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.13	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 190 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud

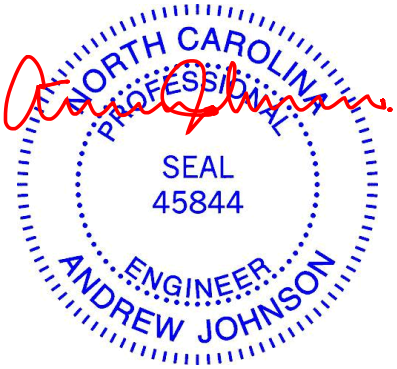
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 6=0-4-0
Max Horz 1=295(LC 11)
Max Uplift 1=-1390(LC 12), 6=-1489(LC 12)
Max Grav 1=3832(LC 22), 6=3918(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6835/2498, 2-4=-3678/1379
BOT CHORD 1-8=-2333/6076, 7-8=-2333/6076, 6-7=-1244/3188
WEBS 2-8=-1005/2906, 2-7=-3368/1323, 4-7=-1690/4668, 4-6=-4654/1824

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 1=1390, 6=1489.
7) Girder carries tie-in span(s): 30-0-0 from 2-0-0 to 13-0-0

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-60, 9-14=-20, 14-15=-573(F=-553), 6-15=-20



June 11,2020

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	PB01	Piggyback	5	1	I41602752 Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:42 2020 Page 1
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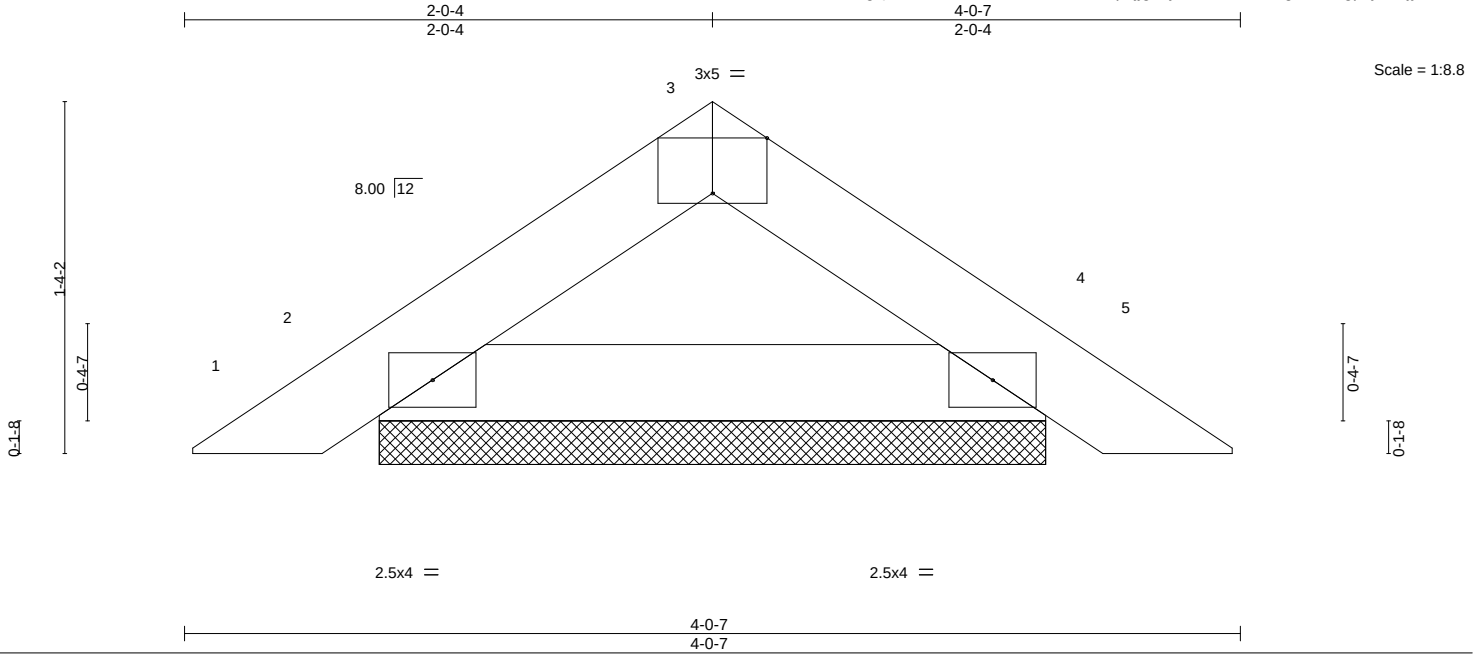


Plate Offsets (X,Y)-- [3:0-2-8,Edge]

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	0.02	Vert(LL)	0.00	4	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	4	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-P							Weight: 8 lb	FT = 20%

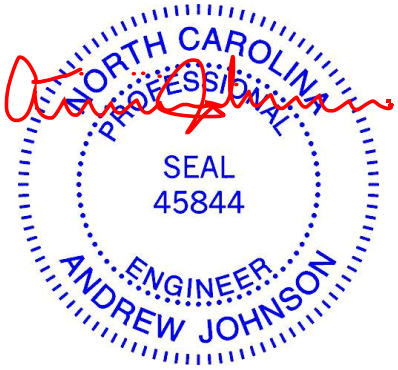
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=2-6-9, 4=2-6-9
Max Horz 2=-29(LC 10)
Max Uplift 2=-42(LC 12), 4=-42(LC 13)
Max Grav 2=132(LC 19), 4=132(LC 20)

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	PB02	Piggyback	1	1	I41602753
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:43 2020 Page 1

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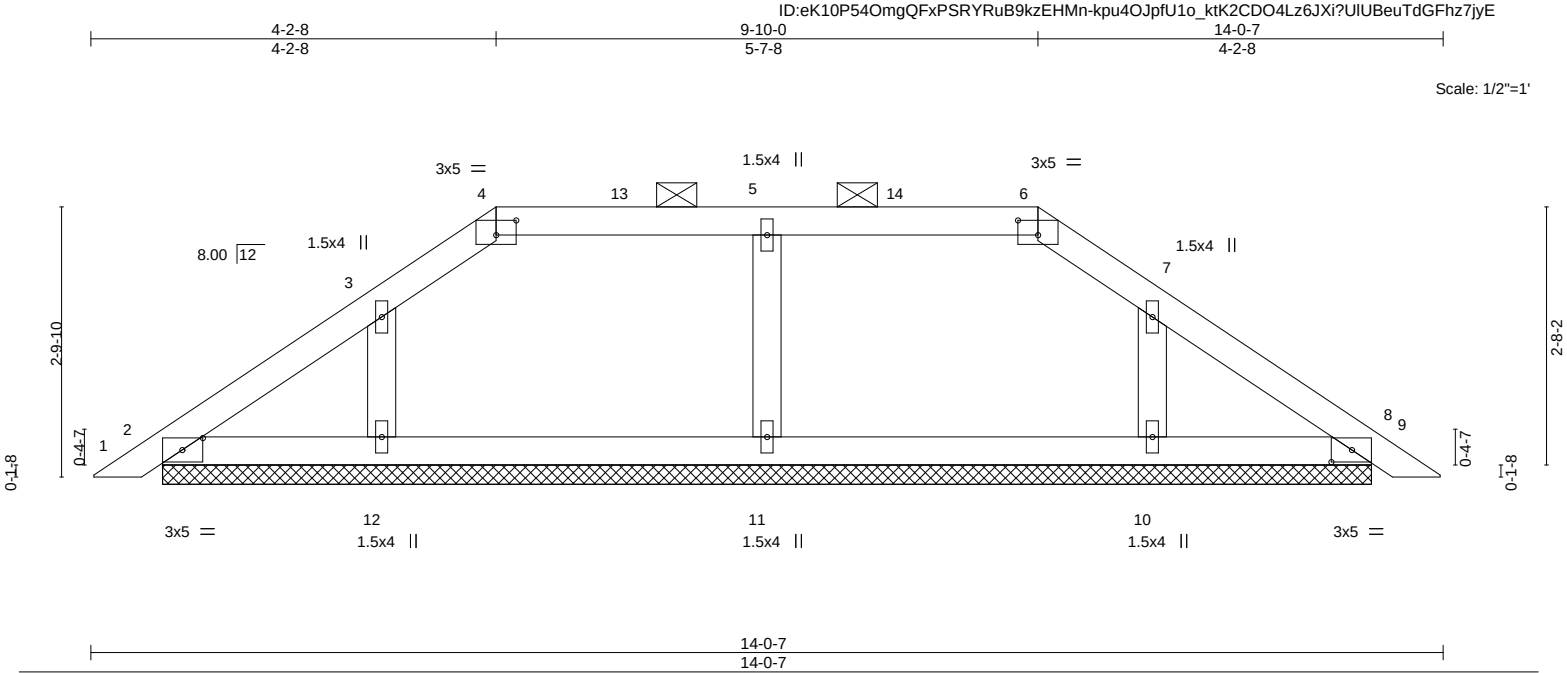


Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [4:0-2-8,0-1-13], [6:0-2-8,0-1-13], [8:0-2-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	0.00	8	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	0.00	8	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
OTHERS	2x4 SPF Stud

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-6-9.

(lb) - Max Horz 2=-65(LC 10)

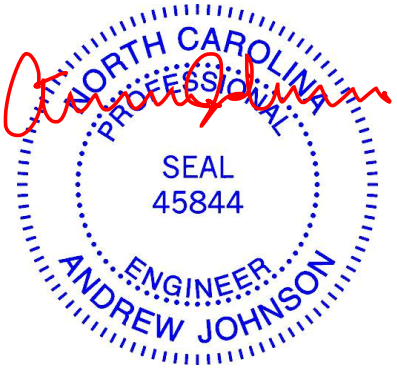
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11 except 12=-104(LC 12), 10=-101(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 11=295(LC 1), 12=254(LC 19), 10=250(LC 20)

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-5 to 3-0-4, Interior(1) 3-0-4 to 4-2-8, Exterior(2) 4-2-8 to 8-5-6, Interior(1) 8-5-6 to 9-10-0, Exterior(2) 9-10-0 to 13-9-2 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 11 except (jt=lb) 12=104, 10=101.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	PB03	Piggyback	8	1	I41602754
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:44 2020 Page 1
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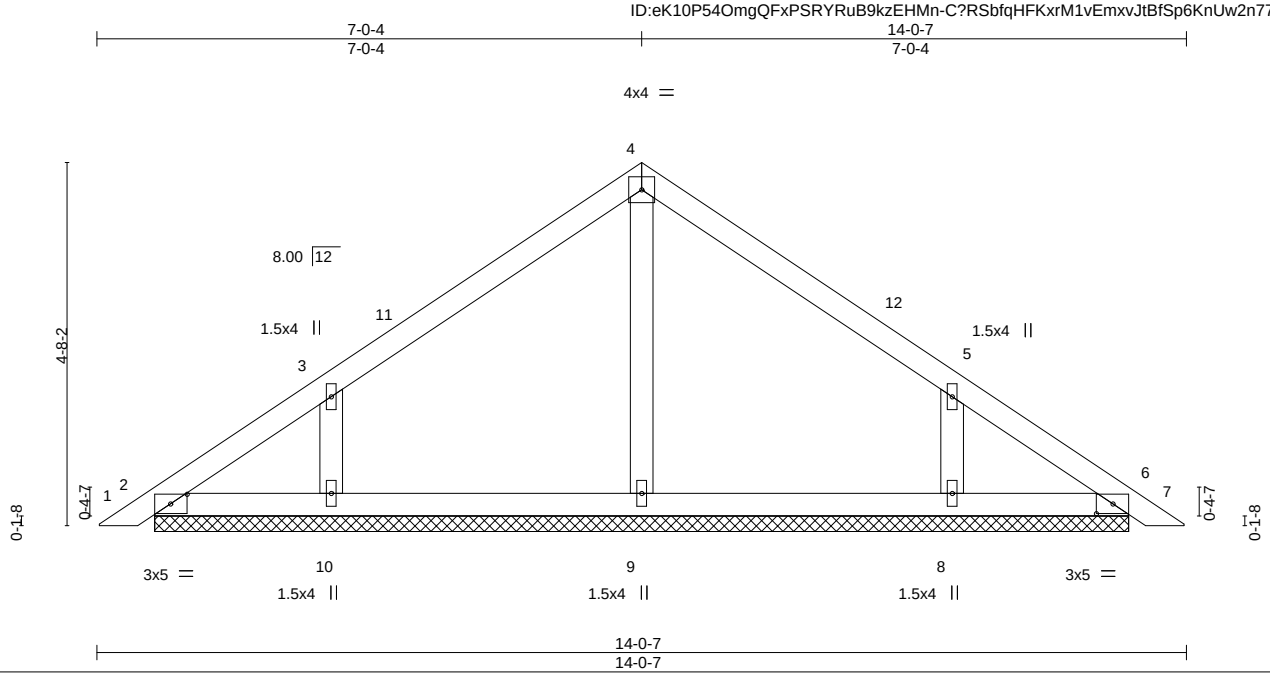

Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [6:0-2-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.00	6	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.00	6	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. All bearings 12-6-9.
(lb) - Max Horz 2=-111(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-205(LC 12), 8=-205(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=262(LC 1), 10=366(LC 19), 8=366(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-310/247, 5-8=-310/246

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-5 to 3-0-4, Interior(1) 3-0-4 to 7-0-4, Exterior(2) 7-0-4 to 10-0-4, Interior(1) 10-0-4 to 13-9-2 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=205, 8=205.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	PB04	Piggyback	3	1	I41602755 Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:45 2020 Page 1
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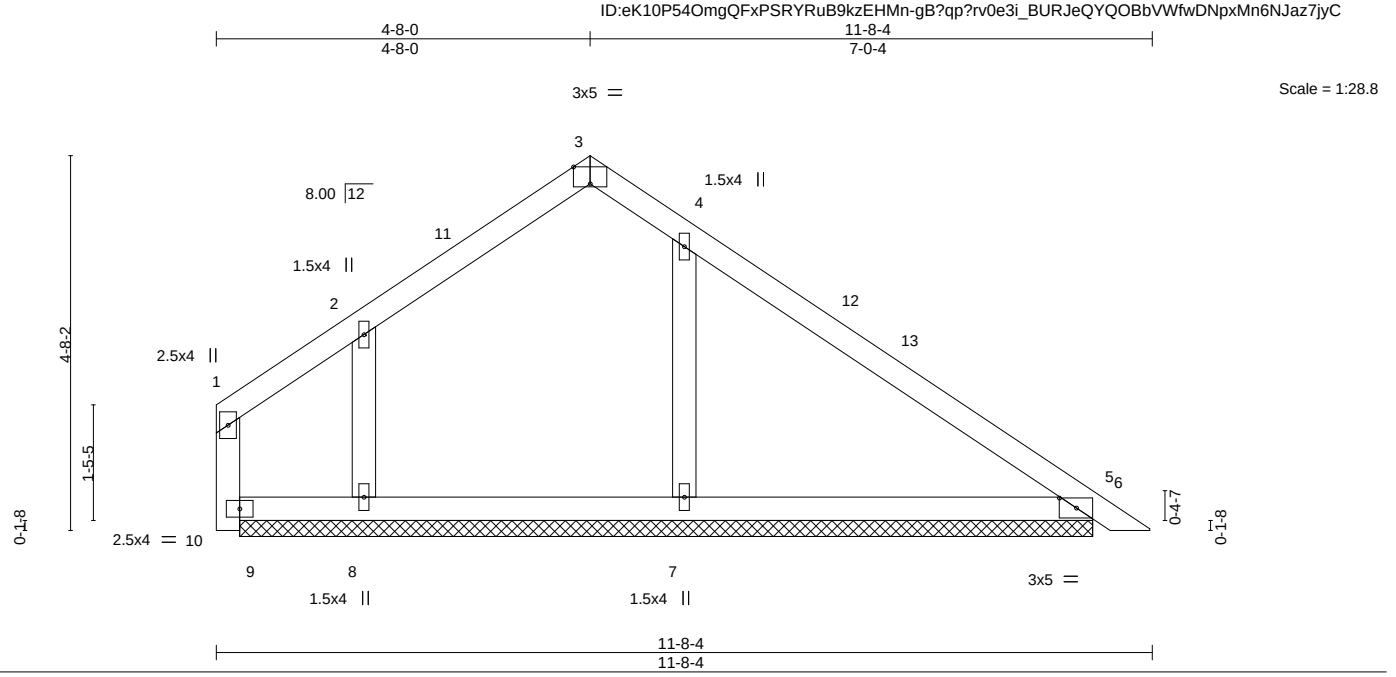

Plate Offsets (X,Y)-- [3:0-2-8,Edge], [5:0-2-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.01	6	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	0.02	6	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
OTHERS 2x4 SPF Stud

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

REACTIONS. All bearings 10-7-13.
(lb) - Max Horz 10=-135(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 9, 5 except 7=-223(LC 13), 8=-169(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 9, 5 except 7=530(LC 20), 8=294(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-7=-399/265

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-8-0, Exterior(2) 4-8-0 to 7-8-0, Interior(1) 7-8-0 to 11-4-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 5 except (jt=lb) 7=223, 8=169.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

June 11,2020

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	PB05	Piggyback	1	1	I41602756
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:46 2020 Page 1
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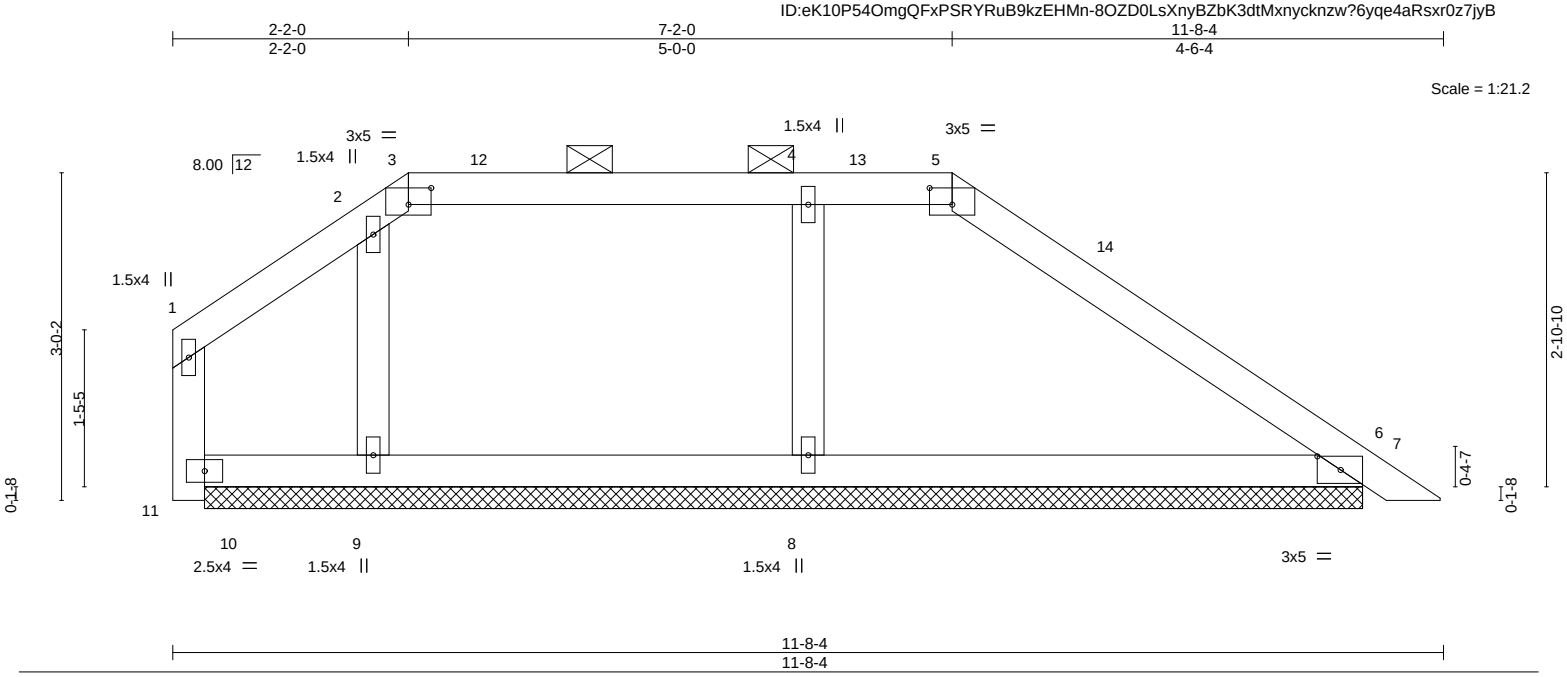

Plate Offsets (X,Y)-- [3:0-2-8,0-1-13], [5:0-2-8,0-1-13], [6:0-2-9,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	0.01	7	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	0.01	7	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 34 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
OTHERS	2x4 SPF Stud

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 10-7-13.
(lb) - Max Horz 11=-95(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 6 except 10=-130(LC 13), 8=-138(LC 8), 9=-108(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9 except 8=401(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-8=-277/212

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 6-4-15, Interior(1) 6-4-15 to 7-2-0, Exterior(2) 7-2-0 to 11-4-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 10=130, 8=138, 9=108.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

June 11,2020

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T01	Piggyback Base Girder	1	1	I41602757
					Job Reference (optional)

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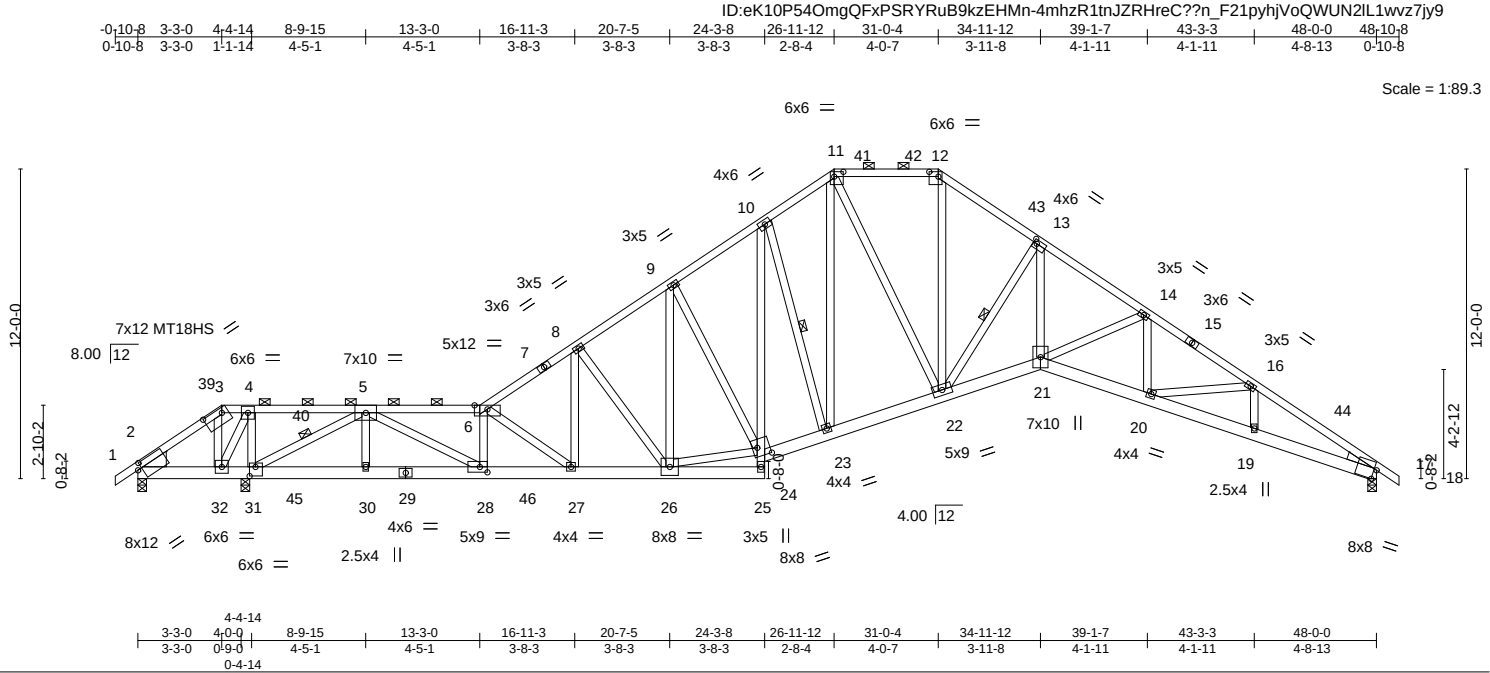

Plate Offsets (X,Y)-- [2:0-2-0,0-2-12], [3:0-9-0,0-2-3], [11:0-4-4,0-2-4], [12:0-4-4,0-2-4], [13:0-1-8,0-1-12], [17:0-1-2,Edge], [24:0-5-12,0-4-4], [28:0-3-8,0-2-8], [31:0-2-12,0-4-4]

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	0.92	Vert(LL)	-0.31	21	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.61	21	>851	180	MT18HS	197/144
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.31	17	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 296 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2 *Except* 3-6: 2x4 SPF 1650F 1.5E

BOT CHORD 2x6 SPF 1650F 1.5E *Except* 10-25: 2x4 SPF Stud

WEBS 2x4 SPF Stud *Except* 5-28: 2x4 SPF No.2

WEDGE

Left: 2x8 SP No.2 , Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-3-10 oc purlins, except 2-0-0 oc purlins (4-3-1 max.): 3-6, 11-12.

BOT CHORD Rigid ceiling directly applied or 4-6-10 oc bracing.

WEBS 1 Row at midpt 5-31, 10-23, 13-22

REACTIONS. (size) 2=0-4-0, 17=0-4-0, 31=0-4-0 (req. 0-6-10)

Max Horz 2=295(LC 11)

Max Uplift 2=-1769(LC 1), 17=-470(LC 13), 31=-1317(LC 12)

Max Grav 2=534(LC 12), 17=1611(LC 20), 31=4213(LC 1)

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

TOP CHORD 2-3=-910/3039, 3-4=-664/2366, 4-5=-968/3315, 5-6=-2379/751, 6-8=-2437/768, 8-9=-2146/744, 9-10=-2049/747, 10-11=-1975/752, 11-12=-1840/678, 12-13=-2200/760, 13-14=-3487/966, 14-16=-3935/1081, 16-17=-3792/1043

BOT CHORD 2-32=-2473/783, 31-32=-3315/1035, 30-31=-394/257, 28-30=-394/257, 27-28=-753/2301, 26-27=-609/2033, 10-24=-184/316, 23-24=-350/1688, 22-23=-240/1599, 21-22=-507/2989, 20-21=-732/3413, 19-20=-829/3282, 17-19=-801/3155

WEBS 3-32=-1683/542, 4-32=-651/2033, 4-31=-2119/746, 5-31=-3523/1068, 5-28=-859/2977, 6-28=-1318/453, 6-27=-463/190, 8-27=-67/336, 8-26=-503/266, 24-26=-391/1553, 9-24=-371/248, 10-23=-514/346, 11-23=-310/553, 11-22=-81/593, 12-22=-280/1007, 13-22=-2032/550, 13-21=-425/2194, 14-21=-578/315, 16-19=-317/144

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-3-0, Exterior(2) 3-3-0 to 6-3-0, Interior(1) 6-3-0 to 26-11-12, Exterior(2) 26-11-12 to 29-11-12, Interior(1) 29-11-12 to 31-0-4, Exterior(2) 31-0-4 to 34-0-4, Interior(1) 34-0-4 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) WARNING: Required bearing size at joint(s) 31 greater than input bearing size.
8) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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NOTES-

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1769, 17=470, 31=1317.
10) Girder carries tie-in span(s): 3-0-0 from 6-0-0 to 14-0-0
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
13) 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, 3-6=-60, 6-11=-60, 11-12=-60, 12-18=-60, 33-45=-20, 45-46=-33(F=-13), 25-46=-20, 21-24=-20, 21-36=-20

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T01GE	Common Supported Gable	1	1	I41602758
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:49 2020 Page 1
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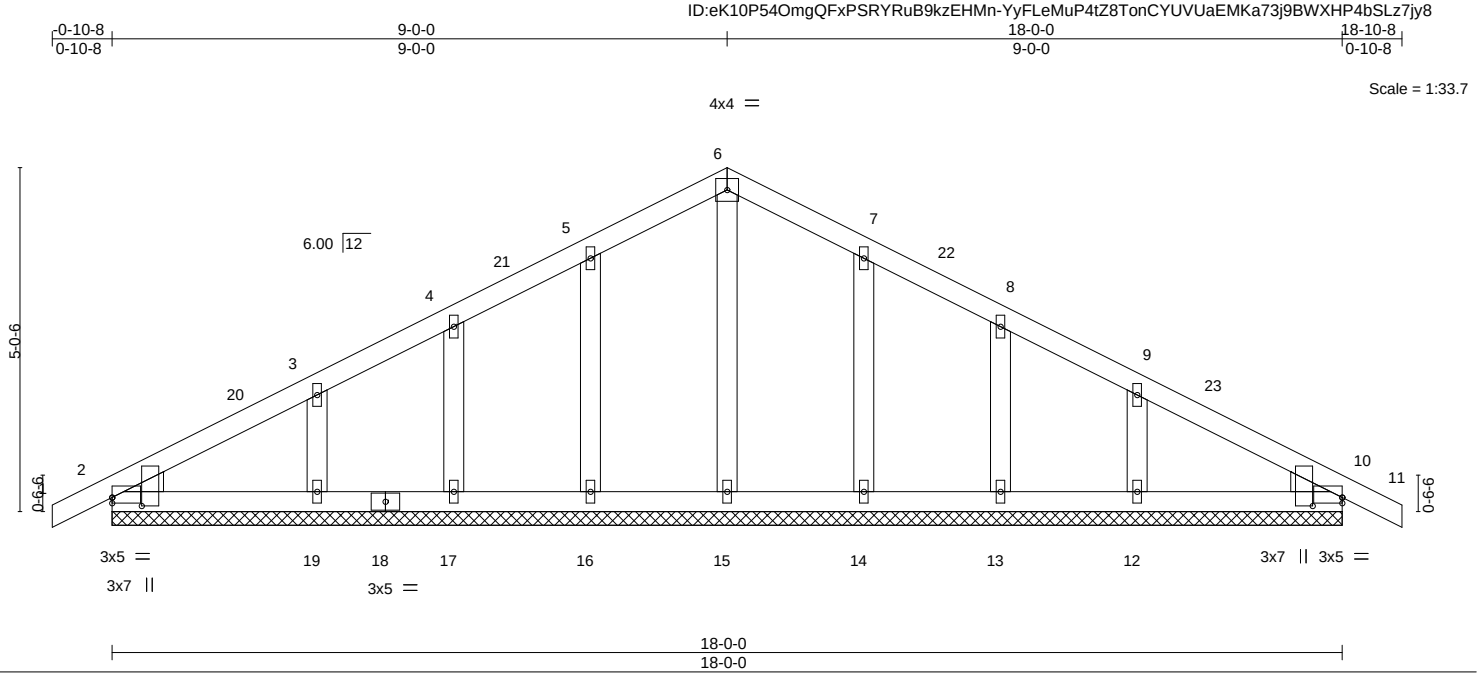

Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [2:0-1-8,0-5-3], [10:Edge,0-1-0], [10:0-1-8,0-5-3]

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	0.08	Vert(LL)	0.00	11	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	11	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 69 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud
WEDGE
Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

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

REACTIONS. All bearings 18-0-0.
(lb) - Max Horz 2=82(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17, 14, 13, 10 except 19=-134(LC 12), 12=-132(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 15, 16, 17, 19, 14, 13, 12, 10

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 9-0-0, Corner(3) 9-0-0 to 12-0-0, Exterior(2) 12-0-0 to 18-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 17, 14, 13, 10 except (jt=lb) 19=134, 12=132.

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T01SGE	Common Structural Gable	1	1	I41602759
					Job Reference (optional)

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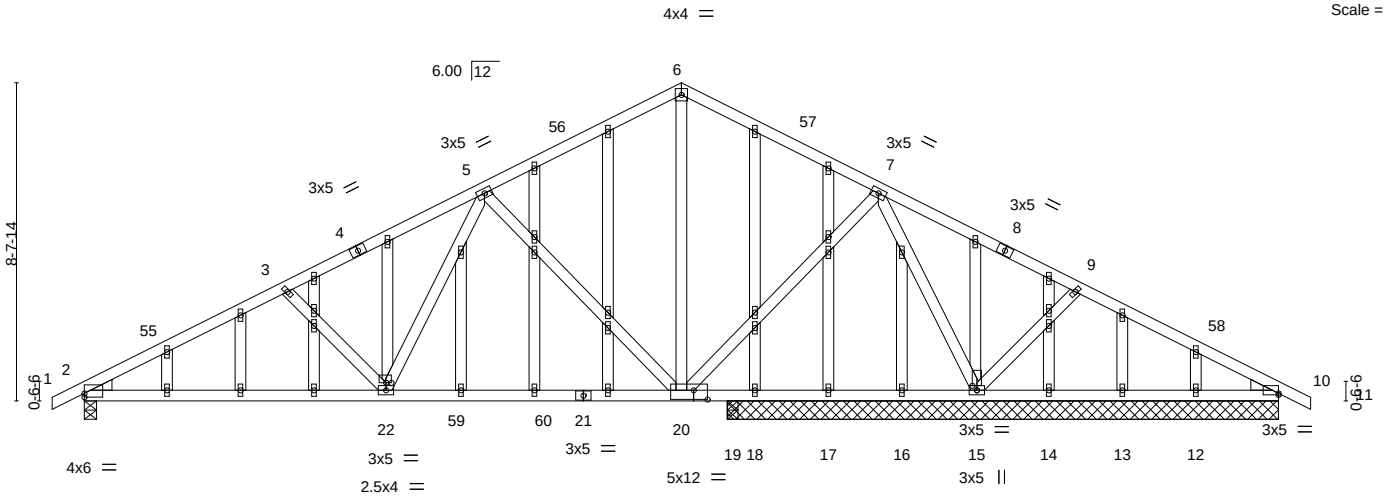
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-09pjsiv2rAh?4yMO6C0j7SuRiXGfuRwgV3q8_nz7jy7

-0-10-8	5-6-6	10-10-11	16-3-0	21-7-5	26-11-10	32-6-0	33-4-8
0-10-8	5-6-6	5-4-5	5-4-5	5-4-5	5-4-5	5-6-6	0-10-8

Scale = 1:62.7



8-2-8	16-3-0	17-9-8	24-3-8	32-6-0
8-2-8	8-0-8	1-6-8	6-6-0	8-2-8

Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [10:0-0-0,0-0-8], [15:0-1-8,0-1-8], [20:0-4-8,0-3-0], [22:0-1-12,0-0-0]

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	0.38	Vert(LL)	-0.13	20-22	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.25	20-22	>857	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.03	15	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 193 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
OTHERS 2x4 SPF Stud
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 15-0-0 except (jt=length) 2=0-4-0, 19=0-3-8.
(lb) - Max Horz 2=-143(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 12, 10 except 2=-286(LC 12), 18=-445(LC 19), 15=-446(LC 13), 19=-337(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 18, 17, 16, 14, 13, 12, 10, 10 except 2=894(LC 1), 15=1229(LC 1), 19=625(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1400/450, 3-5=-1199/393, 5-6=-532/269, 6-7=-525/271, 7-9=-75/442, 9-10=-80/252
BOT CHORD 2-22=-451/1265, 20-22=-224/863
WEBS 7-20=-44/433, 7-15=-1070/344, 9-15=-316/278, 5-20=-640/366, 5-22=-107/479, 3-22=-290/264

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-3-0, Exterior(2) 16-3-0 to 19-3-0, Interior(1) 19-3-0 to 33-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 10, 10 except (jt=lb) 2=286, 18=445, 15=446, 19=337.

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T02	Piggyback Base	1	1	I41602760
					Job Reference (optional)

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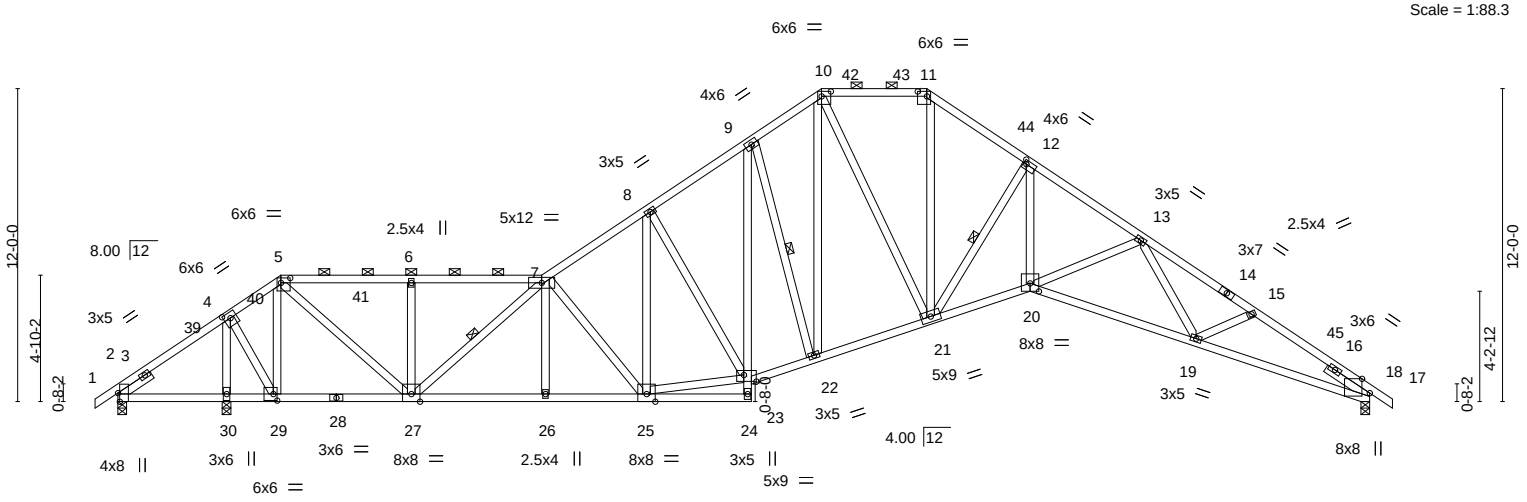
-0-10-8	4-2-0	6-3-0	11-3-0	16-3-0	20-3-4	24-3-8	26-11-12	31-0-4	34-11-12	39-2-11	43-5-9	48-0-0	48-10-8
0-10-8	4-2-0	2-1-0	5-0-0	5-0-0	4-0-4	4-0-4	2-8-4	4-0-7	3-11-8	4-2-15	4-2-15	4-6-7	0-10-8

Scale = 1:88.3



4-2-0	6-3-0	11-3-0	16-3-0	20-3-4	24-3-8	26-11-12	31-0-4	34-11-12	41-4-2	48-0-0
4-2-0	2-1-0	5-0-0	5-0-0	4-0-4	4-0-4	2-8-4	4-0-7	3-11-8	6-4-6	6-7-14

Plate Offsets (X,Y)-- [2:0-3-15,Edge], [4:0-3-0,0-2-8], [5:0-4-4,0-2-4], [10:0-4-4,0-2-4], [11:0-4-4,0-2-4], [12:0-1-4,0-1-12], [17:0-6-9,Edge], [20:0-4-0,0-3-11], [23:0-5-12,0-3-0], [29:0-1-12,0-3-0]

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	0.86	Vert(LL)	-0.34	19-20	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.70	19-20	>753	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.39	17	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 267 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* 1-5: 2x4 SPF 1650F 1.5E, 14-18: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2 *Except* 9-24: 2x4 SPF Stud, 17-20: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF Stud *Except* 4-29,5-27,7-27: 2x4 SPF No.2
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-0-13 oc purlins, except 2-0-0 oc purlins (4-2-1 max.): 5-7, 10-11.
BOT CHORD	Rigid ceiling directly applied or 3-0-12 oc bracing.
WEBS	1 Row at midpt 7-27, 9-22, 12-21

REACTIONS. (size) 2=0-4-0, 17=0-4-0, 30=0-4-0 (req. 0-5-11)
Max Horz 2=-295(LC 10)
Max Uplift 2=-1345(LC 1), 17=-482(LC 13), 30=-1114(LC 12)
Max Grav 2=384(LC 12), 17=1657(LC 1), 30=3633(LC 1)

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

TOP CHORD	2-4=-685/2460, 4-5=-122/777, 5-6=-1133/467, 6-7=-1133/467, 7-8=-2365/823, 8-9=-2155/803, 9-10=-2063/800, 10-11=-1897/713, 11-12=-2266/802, 12-13=-3626/1025, 13-15=-3896/1106, 15-17=-3964/1142
BOT CHORD	2-30=-1947/598, 29-30=-1947/598, 27-29=-738/361, 26-27=-734/2338, 25-26=-732/2340, 9-23=-211/367, 22-23=-394/1799, 21-22=-274/1688, 20-21=-560/3116, 19-20=-789/3443, 17-19=-878/3314
WEBS	4-30=-3296/1030, 4-29=-624/2398, 5-29=-2109/630, 5-27=-699/2340, 6-27=-353/244, 7-27=-1636/471, 7-25=-677/307, 8-25=-120/283, 23-25=-505/1802, 8-23=-514/305, 9-22=-563/375, 10-22=-342/632, 10-21=-75/570, 11-21=-299/1040, 12-21=-2115/579, 12-20=-466/2314, 13-20=-479/317

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-3-0, Exterior(2) 6-3-0 to 9-3-0, Interior(1) 9-3-0 to 26-11-12, Exterior(2) 26-11-12 to 29-11-12, Interior(1) 29-11-12 to 31-0-4, Exterior(2) 31-0-4 to 34-0-4, Interior(1) 34-0-4 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) WARNING: Required bearing size at joint(s) 30 greater than input bearing size.
7) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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NOTES-

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1345, 17=482, 30=1114.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T02GE	Common Supported Gable	1	1	I41602761
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:53 2020 Page 1
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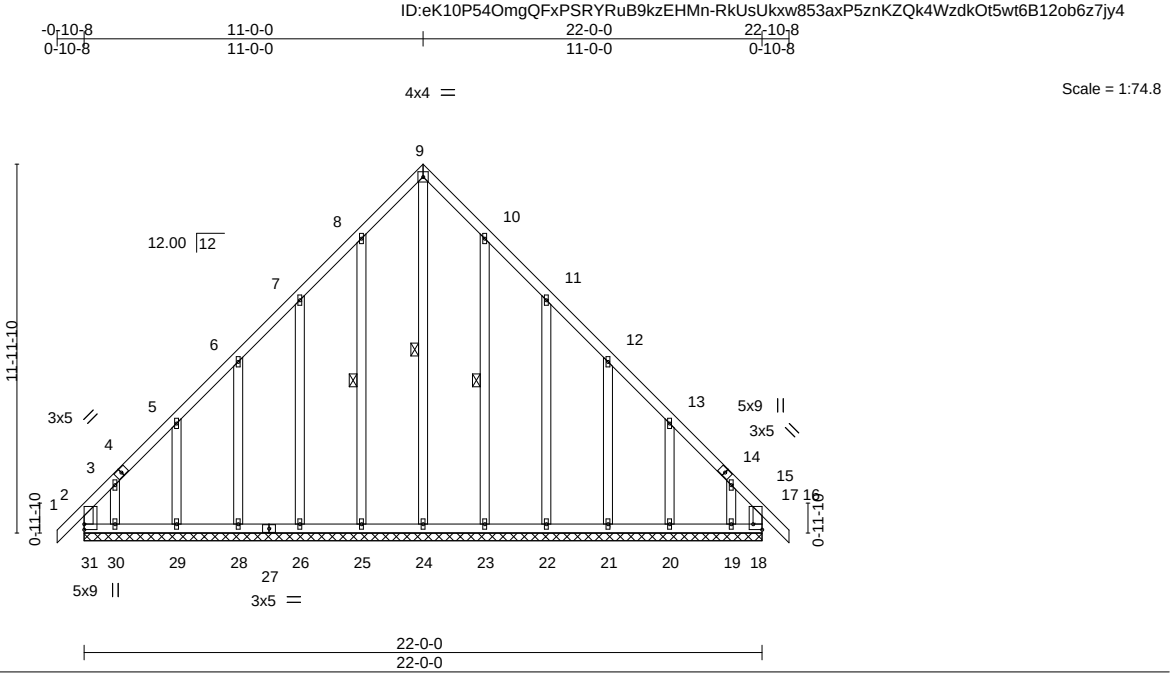


Plate Offsets (X,Y)-- [2:0-1-12,0-1-12], [16:0-1-12,0-1-12], [16:Edge,0-3-8], [18:0-0-0,0-1-12], [31:0-0-0,0-1-12]

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	0.27	Vert(LL)	-0.00	17	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.00	17	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-R							Weight: 140 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
OTHERS	2x4 SPF Stud

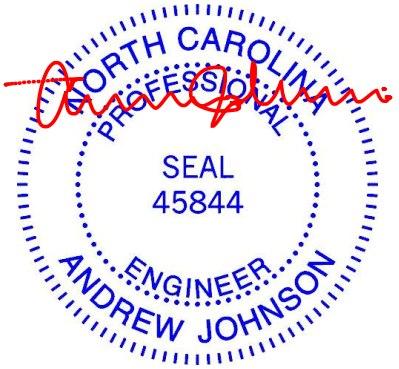
BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 9-24, 8-25, 10-23

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 31=-321(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 24 except 31=-349(LC 10), 18=-281(LC 11), 25=-139(LC 12), 26=-170(LC 12), 28=-161(LC 12), 29=-145(LC 12), 30=-397(LC 12), 23=-137(LC 13), 22=-171(LC 13), 21=-161(LC 13), 20=-147(LC 13), 19=-377(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 25, 26, 28, 29, 23, 22, 21, 20 except 31=462(LC 12), 18=425(LC 13), 24=468(LC 13), 30=360(LC 10), 19=324(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-31=-321/243, 2-3=-422/342, 7-8=-277/312, 8-9=-379/424, 9-10=-379/424, 10-11=-277/309, 15-16=-389/282, 16-18=-294/226
BOT CHORD 30-31=-204/264, 29-30=-204/264, 28-29=-204/264, 26-28=-204/264, 25-26=-204/264, 24-25=-204/264, 23-24=-204/264, 22-23=-204/264, 21-22=-204/264, 20-21=-204/264, 19-20=-204/264, 18-19=-204/264
WEBS 9-24=-496/381, 3-30=-249/267, 15-19=-254/257

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 11-0-0, Corner(3) 11-0-0 to 14-0-0, Exterior(2) 14-0-0 to 22-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24 except (jt=lb) 31=349, 18=281, 25=139, 26=170, 28=161, 29=145, 30=397, 23=137, 22=171, 21=161, 20=147, 19=377.



June 11,2020

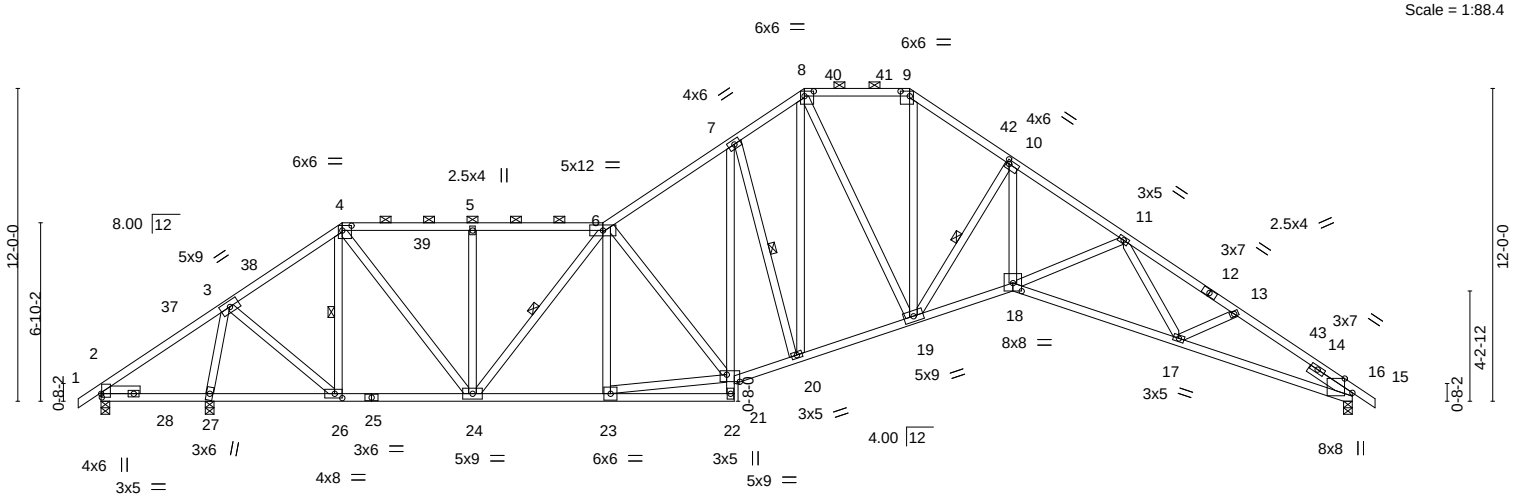
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T03	Piggyback Base	1	1	I41602762
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:56 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-rJA?6mzoQ0R8otqYTS77Mj8L7yF0I7xYu?HSCRz7jy1

-0-10-8	4-9-4	9-3-0	14-3-0	19-3-0	24-3-8	26-11-12	31-0-4	34-11-12	39-2-11	43-5-9	48-0-0	48-10-8
0-10-8	4-9-4	4-5-12	5-0-0	5-0-0	5-0-8	2-8-4	4-0-7	3-11-8	4-2-15	4-2-15	4-6-7	0-10-8

Scale = 1:88.4



4-2-0	9-3-0	14-3-0	19-3-0	24-3-8	26-11-12	31-0-4	34-11-12	41-4-2	48-0-0
4-2-0	5-1-0	5-0-0	5-0-0	5-0-8	2-8-4	4-0-7	3-11-8	6-4-6	6-7-14

Plate Offsets (X,Y)-- [2:0-1-10,0-0-5], [4:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-4-4,0-2-4], [10:0-1-4,0-1-12], [15:0-6-9,Edge], [18:0-4-0,0-3-11], [21:0-6-0,0-3-4], [26:0-3-8,0-2-0]

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	0.89	Vert(LL)	-0.33	17-18	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.69	17-18	>760	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.39	15	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 267 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* 12-16: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2 *Except* 7-22: 2x4 SPF Stud, 15-18: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF Stud *Except* 10-18: 2x4 SPF No.2
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-11-1 oc purlins, except 2-0-0 oc purlins (4-0-15 max.): 4-6, 8-9.
BOT CHORD	Rigid ceiling directly applied or 3-3-12 oc bracing.
WEBS	1 Row at midpt 4-26, 6-24, 7-20, 10-19

REACTIONS. (size) 2=0-4-0, 27=0-4-0 (req. 0-5-2), 15=0-4-0
Max Horz 2=-295(LC 10)
Max Uplift 2=-995(LC 1), 27=-991(LC 12), 15=-490(LC 13)
Max Grav 2=272(LC 12), 27=3248(LC 1), 15=1692(LC 1)

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

TOP CHORD	2-3=-529/1950, 3-4=-753/328, 4-5=-1520/623, 5-6=-1520/623, 6-7=-2243/827, 7-8=-2133/844, 8-9=-1939/739, 9-10=-2341/834, 10-11=-3741/1071, 11-13=-3997/1145, 13-15=-4060/1180
BOT CHORD	2-27=-1583/509, 26-27=-1081/392, 24-26=-216/591, 23-24=-620/2157, 7-21=-175/323, 20-21=-431/1902, 19-20=-298/1765, 18-19=-600/3217, 17-18=-827/3540, 15-17=-909/3394
WEBS	3-27=-3010/979, 3-26=-454/1933, 4-26=-1178/368, 4-24=-491/1622, 5-24=-339/245, 6-24=-1051/303, 21-23=-583/1984, 6-21=-580/321, 7-20=-619/411, 8-20=-382/698, 8-19=-74/562, 9-19=-311/1065, 10-19=-2166/599, 10-18=-490/2376, 11-18=-477/316

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-3-0, Exterior(2) 9-3-0 to 12-3-0, Interior(1) 12-3-0 to 26-11-12, Exterior(2) 26-11-12 to 29-11-12, Interior(1) 29-11-12 to 31-0-4, Exterior(2) 31-0-4 to 34-0-4, Interior(1) 34-0-4 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) WARNING: Required bearing size at joint(s) 27 greater than input bearing size.
7) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=995, 27=991, 15=490.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T03GE	Common Supported Gable	2	1	I41602763
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:57 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-JVkNK6_RBKZ?Q1Ok0AeMvwhhUMmv1myi6f00ktz7jy0

-0-10-8 11-0-0 22-0-0 22-10-8
0-10-8 11-0-0 11-0-0 0-10-8

Scale = 1:72.1

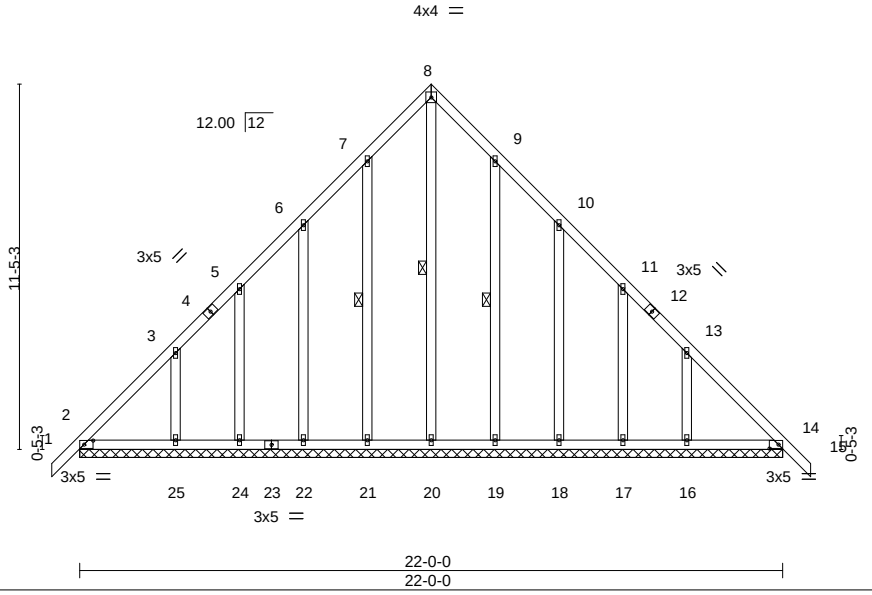


Plate Offsets (X,Y)-- [2:0-3-6,0-1-8], [14:0-3-6,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	15	n/r	120	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.00	15	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 130 lb	FT = 20%

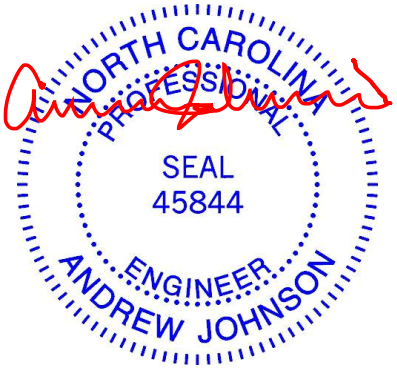
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-20, 7-21, 9-19

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 2=-294(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 14 except 21=-149(LC 12), 22=-172(LC 12), 24=-132(LC 12), 25=-244(LC 12), 19=-146(LC 13), 18=-174(LC 13), 17=-132(LC 13), 16=-243(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 21, 22, 24, 19, 18, 17, 14 except 20=321(LC 13), 25=323(LC 19), 16=322(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-410/302, 7-8=-271/288, 8-9=-271/288, 13-14=-363/289
BOT CHORD 2-25=-256/349, 24-25=-256/349, 22-24=-256/349, 21-22=-256/349, 20-21=-256/349, 19-20=-256/349, 18-19=-256/349, 17-18=-256/349, 16-17=-256/349, 14-16=-256/349
WEBS 8-20=-310/234, 3-25=-307/261, 13-16=-307/260

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 11-0-0, Corner(3) 11-0-0 to 14-0-0, Exterior(2) 14-0-0 to 22-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 20, 14 except (jt=lb) 21=149, 22=172, 24=132, 25=244, 19=146, 18=174, 17=132, 16=243.



June 11,2020

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818 Soundside Road
Edenton, NC 27932

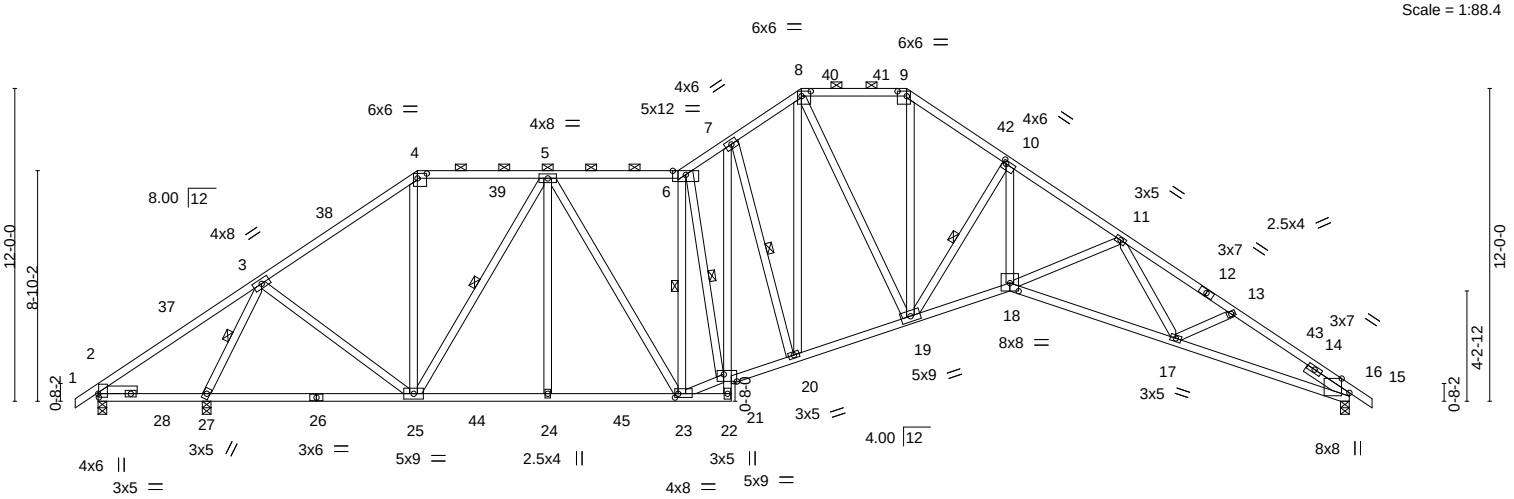
Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T04	Piggyback Base	1	1	I41602764
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:23:58 2020 Page 1

ID:eK10P54OmgQFxPSRYRuB9kzEHMn-nhIIXR?3yehs2Azwat9bR8EgKlwRm48rLJmZHJz7jy?

-0-10-8	6-3-4	12-3-0	17-3-0	22-3-0	24-3-8	26-11-12	31-0-4	34-11-12	39-2-11	43-5-9	48-0-0	48-10-8
0-10-8	6-3-4	5-11-12	5-0-0	5-0-0	2-0-8	2-8-4	4-0-7	3-11-8	4-2-15	4-2-15	4-6-7	0-10-8

Scale = 1:88.4



4-2-0	12-3-0	17-3-0	22-3-0	24-3-8	26-11-12	31-0-4	34-11-12	41-4-2	48-0-0
4-2-0	8-1-0	5-0-0	5-0-0	2-0-8	2-8-4	4-0-7	3-11-8	6-4-6	6-7-14

Plate Offsets (X,Y)-- [2:0-1-10,0-0-5], [4:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-4-4,0-2-4], [10:0-1-8,0-1-8], [15:0-6-9,Edge], [18:0-4-0,0-3-11], [21:0-6-0,0-3-4], [23:0-1-8,0-1-12]

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	0.91	Vert(LL)	-0.33	17-18	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.69	17-18	>763	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.41	15	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 281 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* 12-16: 2x4 SP DSS
BOT CHORD	2x4 SPF No.2 *Except* 7-22: 2x4 SPF Stud, 15-18: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF Stud *Except* 10-18: 2x4 SPF No.2
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-9-11 oc purlins, except 2-0-0 oc purlins (3-11-8 max.): 4-6, 8-9.
BOT CHORD	Rigid ceiling directly applied or 3-6-8 oc bracing.
WEBS	1 Row at midpt 3-27, 5-25, 6-23, 6-21, 7-20, 10-19

REACTIONS. (size) 2=0-4-0, 27=0-4-0 (req. 0-4-11), 15=0-4-0
Max Horz 2=-295(LC 10)
Max Uplift 2=-759(LC 1), 27=-833(LC 12), 15=-499(LC 13)
Max Grav 2=129(LC 12), 27=2986(LC 1), 15=1755(LC 20)

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

TOP CHORD	2-3=-335/1626, 3-4=-1320/547, 4-5=-1074/528, 5-6=-1974/796, 6-7=-2269/908, 7-8=-2147/873, 8-9=-1965/770, 9-10=-2401/872, 10-11=-3824/1123, 11-13=-4103/1192, 13-15=-4182/1225
BOT CHORD	2-27=-1413/551, 25-27=-284/241, 24-25=-455/1614, 23-24=-455/1614, 7-21=-285/421, 20-21=-462/1963, 19-20=-331/1821, 18-19=-646/3289, 17-18=-871/3609, 15-17=-946/3469
WEBS	3-27=-2956/920, 3-25=-181/1227, 4-25=-116/443, 5-25=-1244/368, 5-24=0/279, 5-23=-189/662, 6-23=-1167/361, 21-23=-472/1871, 6-21=-341/266, 7-20=-575/400, 8-20=-378/683, 8-19=-69/557, 9-19=-333/1087, 10-19=-2231/622, 10-18=-518/2419, 11-18=-476/315

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 12-3-0, Exterior(2) 12-3-0 to 15-3-0, Interior(1) 15-3-0 to 26-11-12, Exterior(2) 26-11-12 to 29-11-12, Interior(1) 29-11-12 to 31-0-4, Exterior(2) 31-0-4 to 34-0-4, Interior(1) 34-0-4 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) WARNING: Required bearing size at joint(s) 27 greater than input bearing size.
7) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=759, 27=833, 15=499.

Continued on page 2

NORTH CAROLINA PROFESSIONAL SEAL 45844 ENGINEER ANDREW JOHNSON

June 11,2020

ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

NOTES-

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

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T05	Piggyback Base	1	1	I41602765
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:00 2020 Page 1

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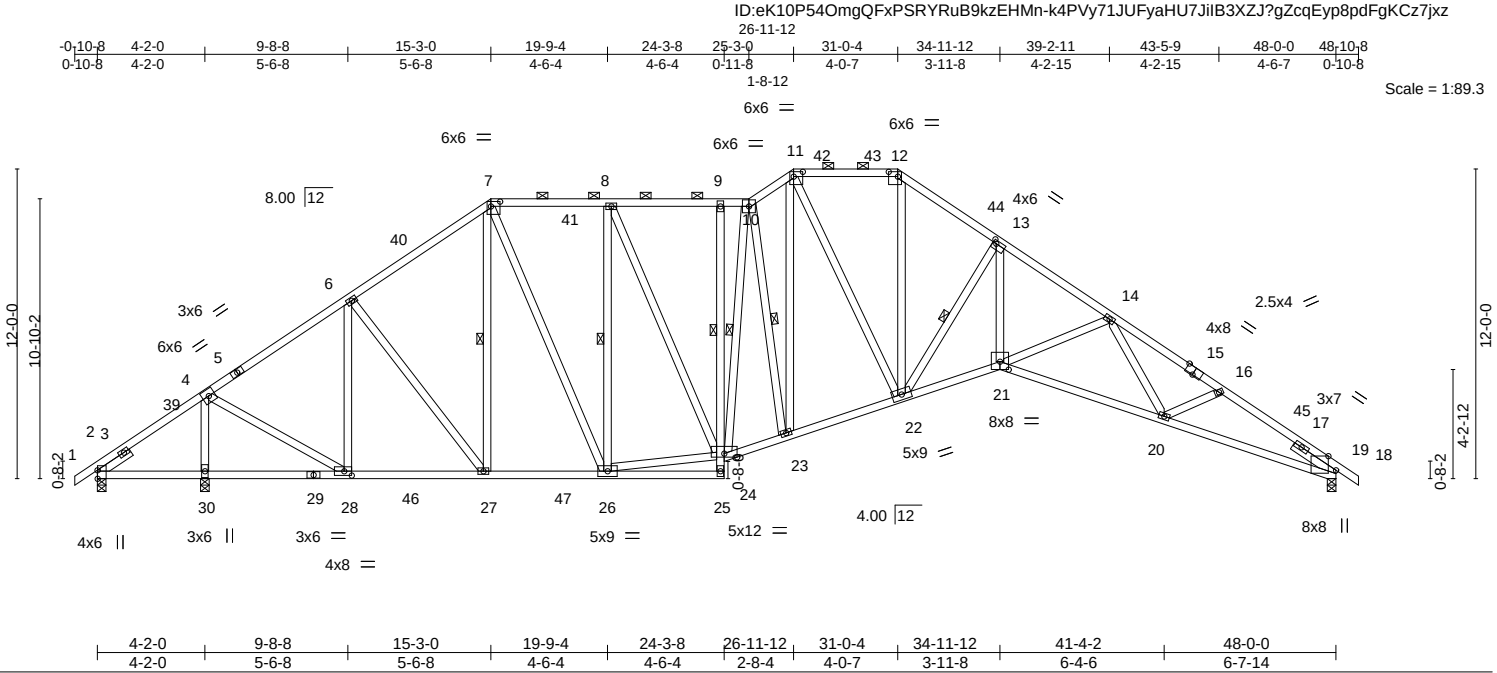

Plate Offsets (X,Y)-- [2:0-3-15,Edge], [7:0-4-4,0-2-4], [11:0-4-4,0-2-4], [12:0-4-4,0-2-4], [13:0-1-8,0-1-8], [15:0-4-0,Edge], [18:0-6-9,Edge], [21:0-4-0,0-3-11], [28:0-3-8,0-2-0]

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	0.92	Vert(LL)	-0.33	20-21	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.69	20-21	>764	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.40	18	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 299 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* 15-19: 2x4 SP DSS
BOT CHORD	2x4 SPF No.2 *Except* 9-25: 2x4 SPF Stud, 18-21: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF Stud *Except* 13-21: 2x4 SPF No.2
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-9-2 oc purlins, except 2-0-0 oc purlins (4-0-8 max.): 7-10, 11-12.
BOT CHORD	Rigid ceiling directly applied or 5-2-2 oc bracing. Except: 1 Row at midpt 9-24
WEBS	1 Row at midpt 7-27, 8-26, 10-24, 10-23, 13-22

REACTIONS. (size) 2=0-4-0, 30=0-4-0 (req. 0-4-7), 18=0-4-0
Max Horz 2=-295(LC 10)
Max Uplift 2=-612(LC 1), 30=-886(LC 12), 18=-498(LC 13)
Max Grav 2=175(LC 12), 30=2830(LC 1), 18=1753(LC 20)

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

TOP CHORD	2-4=-366/1322, 4-6=-1123/419, 6-7=-1491/631, 7-8=-1530/685, 8-9=-1771/757, 9-10=-1774/757, 10-11=-2105/873, 11-12=-1952/771, 12-13=-2423/873, 13-14=-3853/1124, 14-16=-4097/1193, 16-18=-4175/1226
BOT CHORD	2-30=-1133/381, 28-30=-1133/381, 27-28=-280/955, 26-27=-256/1186, 9-24=-290/161, 23-24=-390/1916, 22-23=-318/1842, 21-22=-647/3314, 20-21=-872/3634, 18-20=-947/3472
WEBS	4-30=-2630/902, 4-28=-524/2102, 6-28=-952/338, 6-27=-136/505, 7-27=-286/164, 7-26=-300/831, 8-26=-881/342, 24-26=-301/1311, 8-24=-170/662, 10-24=-649/115, 10-23=-549/399, 11-23=-371/640, 11-22=-69/556, 12-22=-329/1080, 13-22=-2227/622, 13-21=-518/2433, 14-21=-477/315

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 15-3-0, Exterior(2) 15-3-0 to 18-3-0, Interior(1) 18-3-0 to 26-11-12, Exterior(2) 26-11-12 to 29-11-12, Interior(1) 29-11-12 to 31-0-4, Exterior(2) 31-0-4 to 34-0-4, Interior(1) 34-0-4 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x5 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) WARNING: Required bearing size at joint(s) 30 greater than input bearing size.
8) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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Continued on page 2

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NOTES-

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=612, 30=886, 18=498.

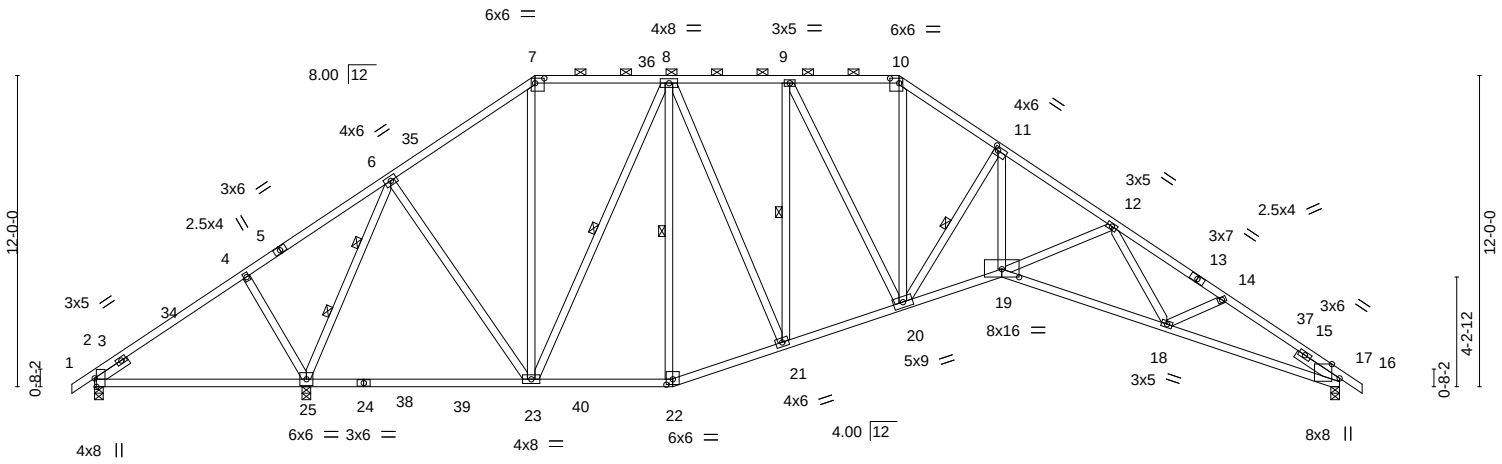
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T06	Piggyback Base	3	1	I41602766
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:01 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-CGzuAT1xFZ4RveiVF?il3msDxz_jzPQI1H_Dsez7jxy

-0-10-8	5-10-4	11-5-0	16-11-12	22-3-8	26-7-14	31-0-4	34-11-12	39-2-11	43-5-9	48-0-0	48-10-8
0-10-8	5-10-4	5-6-12	5-6-12	5-3-12	4-4-6	4-4-6	3-11-8	4-2-15	4-2-15	4-6-7	0-10-8

Scale = 1:88.8



8-2-0	16-11-12	22-3-8	26-7-14	31-0-4	34-11-12	41-4-2	48-0-0
8-2-0	8-9-12	5-3-12	4-4-6	4-4-6	3-11-8	6-4-6	6-7-14

Plate Offsets (X,Y)-- [2:0-3-15,Edge], [7:0-4-4,0-2-4], [10:0-4-4,0-2-4], [11:0-1-12,0-1-12], [16:0-6-9,Edge], [19:0-8-0,0-3-11], [22:0-3-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.27	18-19	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.57	18-19	>832	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.34	16	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 261 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* 13-17: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2 *Except* 16-19: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-6-9 max.): 7-10.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-23, 8-22, 9-21, 11-20 2 Rows at 1/3 pts 6-25

REACTIONS. (size) 2=0-4-0, 25=0-4-0 (req. 0-4-3), 16=0-4-0
Max Horz 2=-295(LC 10)
Max Uplift 2=-436(LC 24), 25=-623(LC 12), 16=-456(LC 13)
Max Grav 2=117(LC 8), 25=2671(LC 19), 16=1530(LC 20)

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

TOP CHORD	2-4=-184/972, 4-6=-118/1061, 6-7=-926/476, 7-8=-808/465, 8-9=-1375/634, 9-10=-1585/657, 10-11=-1945/735, 11-12=-3190/932, 12-14=-3513/1023, 14-16=-3599/1066
BOT CHORD	2-25=-812/416, 23-25=-243/274, 22-23=-245/1016, 21-22=-264/1082, 20-21=-279/1379, 19-20=-479/2736, 18-19=-711/3079, 16-18=-813/3010
WEBS	4-25=-453/317, 6-25=-2281/653, 6-23=-209/1037, 8-23=-937/345, 8-21=-143/811, 9-21=-757/209, 9-20=-85/563, 10-20=-256/829, 11-20=-1929/547, 11-19=-417/2086, 12-19=-501/320

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-11-12, Exterior(2) 16-11-12 to 21-2-11, Interior(1) 21-2-11 to 31-0-4, Exterior(2) 31-0-4 to 34-11-12, Interior(1) 34-11-12 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) WARNING: Required bearing size at joint(s) 25 greater than input bearing size.
7) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=436, 25=623, 16=456.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T07	Piggyback Base	6	1	I41602767 Job Reference (optional)

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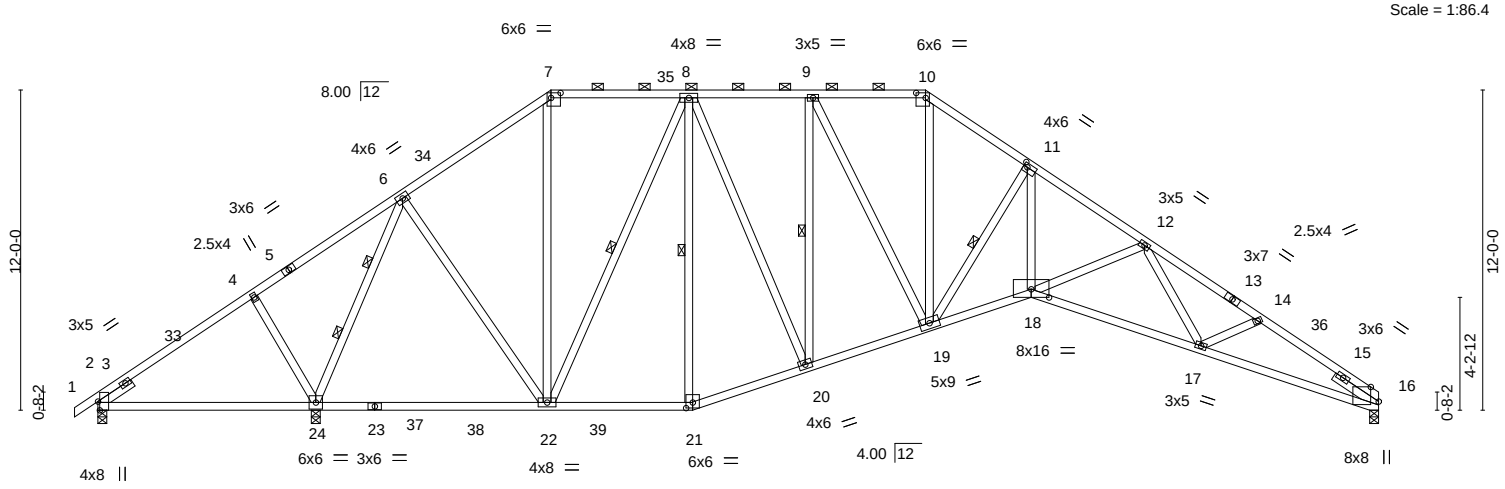
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-8f5ea93BnAK98ysuNQlm8BxZSmfHRJvaVbTKxXz7jxw

-0-10-8	5-10-4	11-5-0	16-11-12	22-3-8	26-7-14	31-0-4	34-11-12	39-2-11	43-5-9	48-0-0
0-10-8	5-10-4	5-6-12	5-6-12	5-3-12	4-4-6	4-4-6	3-11-8	4-2-15	4-2-15	4-6-7

Scale = 1:86.4



8-2-0	16-11-12	22-3-8	26-7-14	31-0-4	34-11-12	41-4-2	48-0-0
8-2-0	8-9-12	5-3-12	4-4-6	4-4-6	3-11-8	6-4-6	6-7-14

Plate Offsets (X,Y)-- [2:0-3-15,Edge], [7:0-4-4,0-2-4], [10:0-4-4,0-2-4], [11:0-1-12,0-1-12], [16:0-6-9,Edge], [18:0-8-0,0-3-11], [21:0-3-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.27	17-18	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.57	17-18	>833	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.34	16	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 260 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* 13-16: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2 *Except* 16-18: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF Stud
SLIDER	Left 2x4 SPF Stud -x 1-6-0, Right 2x4 SPF Stud -x 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-6-9 max.): 7-10.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-22, 8-21, 9-20, 11-19 2 Rows at 1/3 pts 6-24

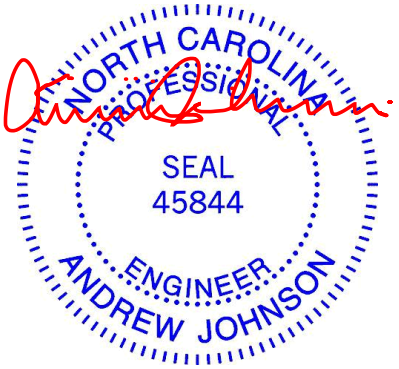
REACTIONS. (size) 2=0-4-0, 16=0-4-0, 24=0-4-0 (req. 0-4-3)
Max Horz 2=290(LC 11)
Max Uplift 2=-436(LC 24), 16=-432(LC 13), 24=-628(LC 12)
Max Grav 2=122(LC 8), 16=1480(LC 20), 24=2667(LC 19)

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

TOP CHORD	2-4=-184/971, 4-6=-141/1061, 6-7=-922/472, 7-8=-805/458, 8-9=-1375/634, 9-10=-1585/660, 10-11=-1947/743, 11-12=-3194/949, 12-14=-3524/1053, 14-16=-3611/1099
BOT CHORD	2-24=-810/412, 22-24=-240/268, 21-22=-250/1005, 20-21=-269/1071, 19-20=-285/1380, 18-19=-505/2740, 17-18=-736/3084, 16-17=-848/3023
WEBS	4-24=-454/317, 6-24=-2281/670, 6-22=-212/1037, 8-22=-937/346, 8-20=-155/812, 9-20=-758/222, 9-19=-94/564, 10-19=-261/829, 11-19=-1932/560, 11-18=-433/2090, 12-18=-501/320

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-11-12, Exterior(2) 16-11-12 to 21-2-11, Interior(1) 21-2-11 to 31-0-4, Exterior(2) 31-0-4 to 34-11-12, Interior(1) 34-11-12 to 48-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) WARNING: Required bearing size at joint(s) 24 greater than input bearing size.
7) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=436, 16=432, 24=628.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T08	Piggyback Base	4	1	I41602768 Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:03 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-8f5ea93BnAK98ysuNQlm8BxW6mgoRMjaVbTKxXz7jxw

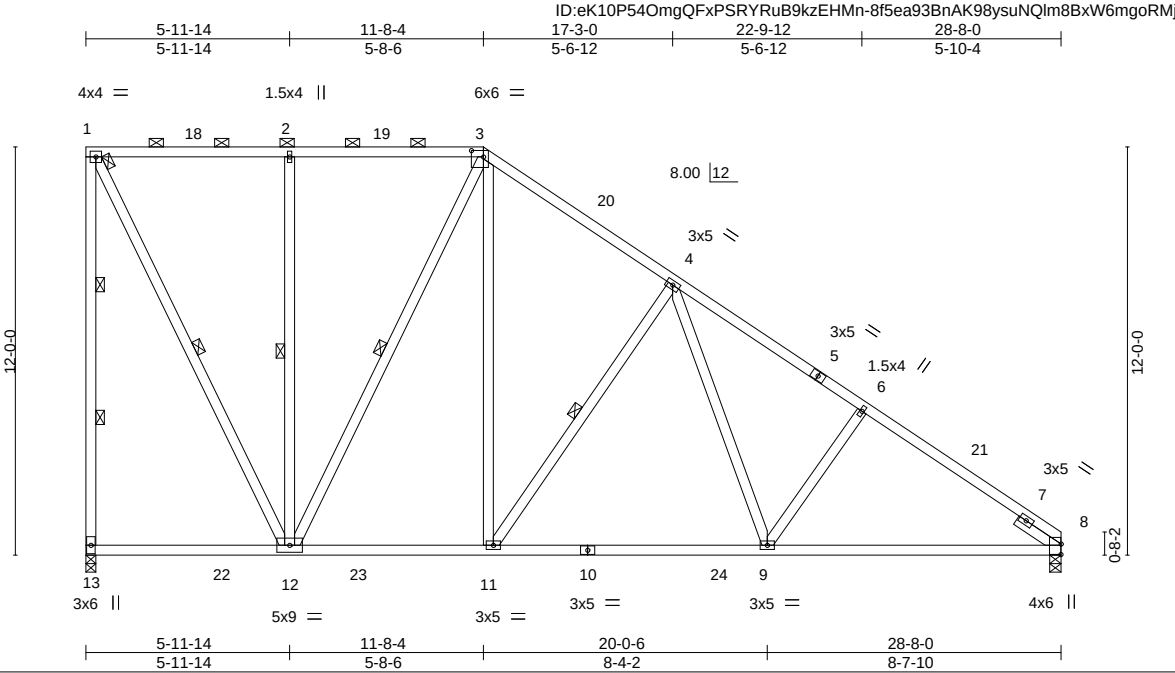

Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [8:0-3-11,0-0-1]

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	0.91	Vert(LL)	-0.19	9-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.31	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
SLIDER Right 2x4 SPF Stud -x 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-5-7 oc bracing: 12-13.
WEBS 1 Row at midpt 1-12, 2-12, 3-12, 4-11
2 Rows at 1/3 pts 1-13

REACTIONS. (size) 13=0-3-8, 8=0-4-0
Max Horz 13=-568(LC 13)
Max Uplift 13=-419(LC 8), 8=-264(LC 13)
Max Grav 13=1260(LC 20), 8=1265(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-1139/493, 1-2=-526/198, 2-3=-526/198, 3-4=-1054/292, 4-6=-1645/395, 6-8=-1780/372
BOT CHORD 12-13=-470/568, 11-12=0/771, 9-11=-7/1025, 8-9=-199/1385
WEBS 1-12=-439/1168, 2-12=-401/288, 3-12=-675/302, 3-11=-260/878, 4-11=-725/418, 4-9=-157/538, 6-9=-364/295

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-8-4, Exterior(2) 11-8-4 to 14-8-4, Interior(1) 14-8-4 to 28-8-0 zone; cantilever left and right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=419, 8=264.
6) 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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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T09	Roof Special	1	1	I41602769
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:04 2020 Page 1
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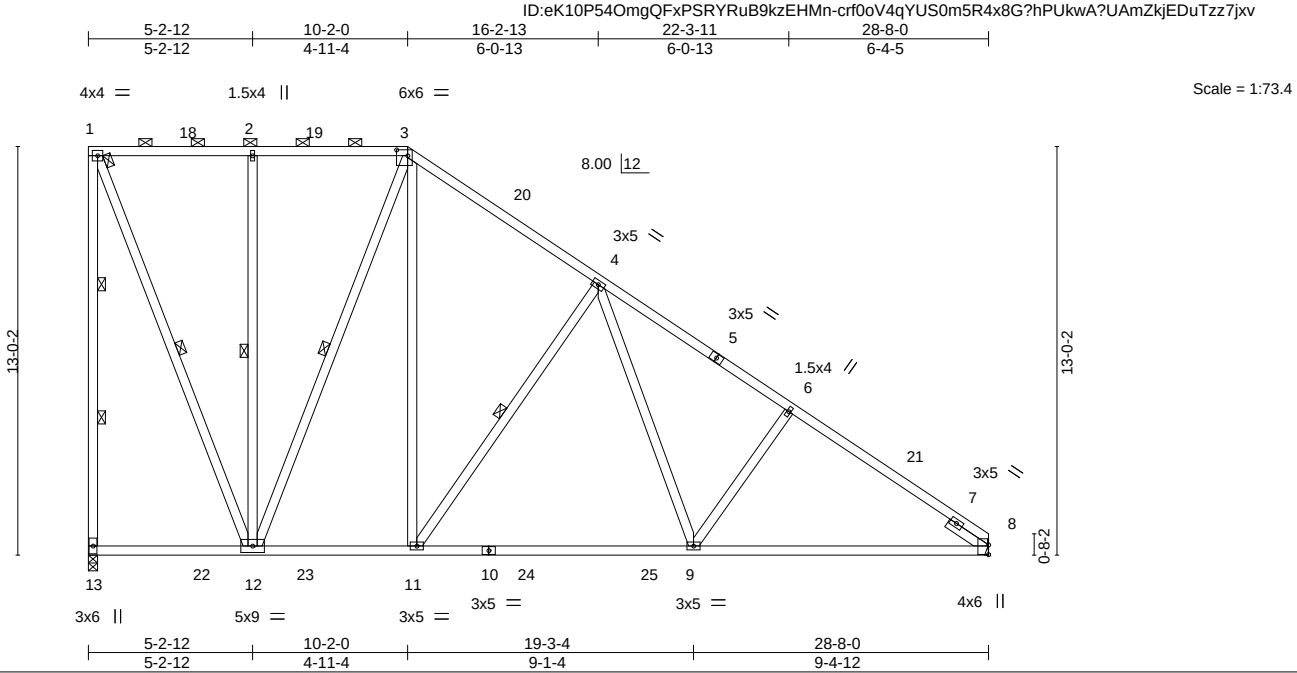

Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [8:0-3-11,0-0-1]

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	0.71	Vert(LL)	-0.28	9-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.44	9-11	>771	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 172 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud *Except* 1-13: 2x4 SPF No.2
SLIDER	Right 2x4 SPF Stud -x 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-2-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-1-8 oc bracing: 12-13.
WEBS	1 Row at midpt 1-12, 2-12, 3-12, 4-11 2 Rows at 1/3 pts 1-13

REACTIONS. (size) 13=0-3-8, 8=Mechanical
Max Horz 13=-619(LC 13)
Max Uplift 13=-427(LC 13), 8=-252(LC 13)
Max Grav 13=1302(LC 20), 8=1274(LC 20)

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

TOP CHORD	1-13=-1191/507, 1-2=-446/168, 2-3=-446/168, 3-4=-960/255, 4-6=-1631/371, 6-8=-1781/347
BOT CHORD	12-13=-513/618, 11-12=0/702, 9-11=0/972, 8-9=-171/1381
WEBS	1-12=-449/1192, 2-12=-340/249, 3-12=-811/349, 3-11=-285/961, 4-11=-804/457, 4-9=-175/614, 6-9=-407/325

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-2-0, Exterior(2) 10-2-0 to 13-2-0, Interior(1) 13-2-0 to 28-8-0 zone; cantilever left and right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=427, 8=252.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T10	Roof Special	1	1	I41602770
					Job Reference (optional)

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ID:eK10P54OmgQFxPSRYRuB9kzEHMn-41DO?r4SJnatNF0HUrnEEc0x0aOuvJytyuyR?Qz7jxu

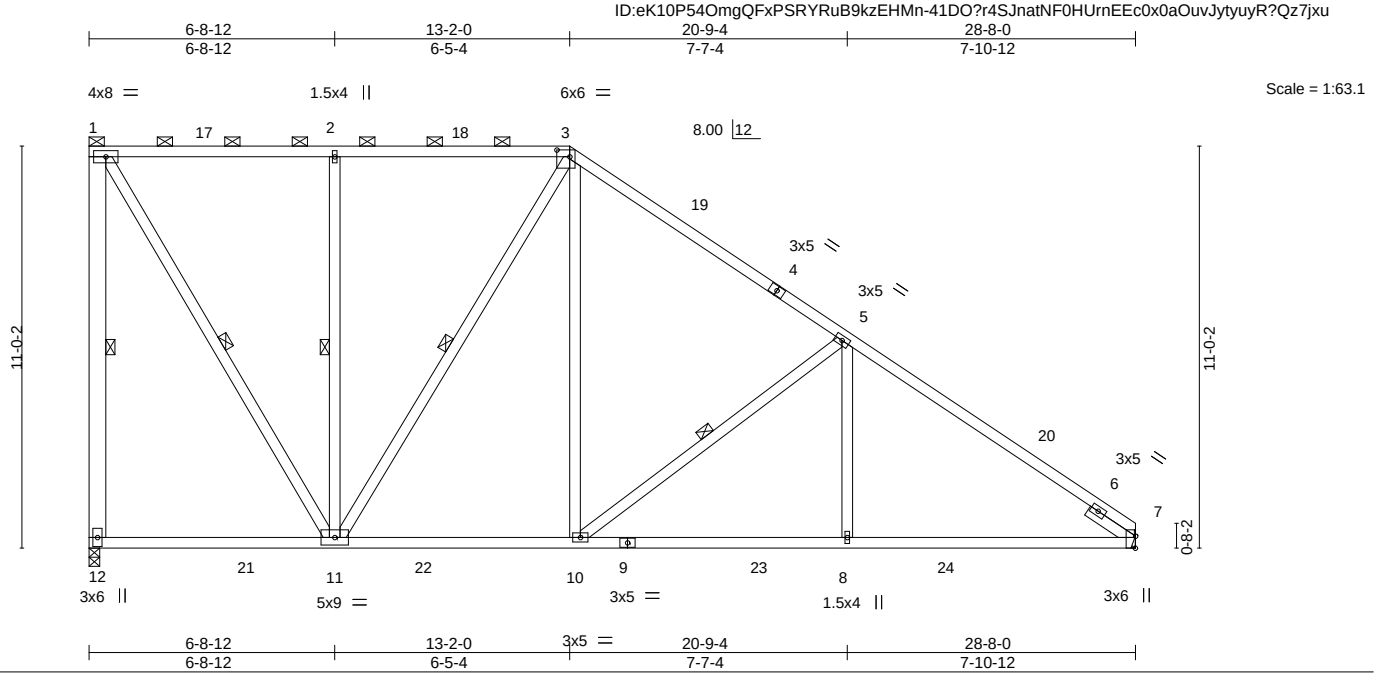

Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [7:0-3-15,Edge]

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	0.63	Vert(LL)	0.10	8-15	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.16	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 157 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud *Except*
1-12: 2x6 SPF 1650F 1.5E
SLIDER Right 2x4 SPF Stud -x 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-6-0 oc bracing: 11-12.
WEBS 1 Row at midpt 1-12, 1-11, 2-11, 3-11, 5-10

REACTIONS. (size) 12=0-3-8, 7=Mechanical
Max Horz 12=-405(LC 10)
Max Uplift 12=-428(LC 8), 7=-333(LC 13)
Max Grav 12=1227(LC 2), 7=1308(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1091/491, 1-2=-707/402, 2-3=-707/402, 3-5=-1199/457, 5-7=-1801/490
BOT CHORD 11-12=-472/473, 10-11=-91/888, 8-10=-275/1382, 7-8=-275/1382
WEBS 1-11=-440/1141, 2-11=-432/305, 3-11=-572/232, 3-10=-160/726, 5-10=-830/423, 5-8=0/321

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 13-2-0, Exterior(2) 13-2-0 to 16-2-0, Interior(1) 16-2-0 to 28-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=428, 7=333.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T11	Roof Special	1	1	I41602771
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:06 2020 Page 1
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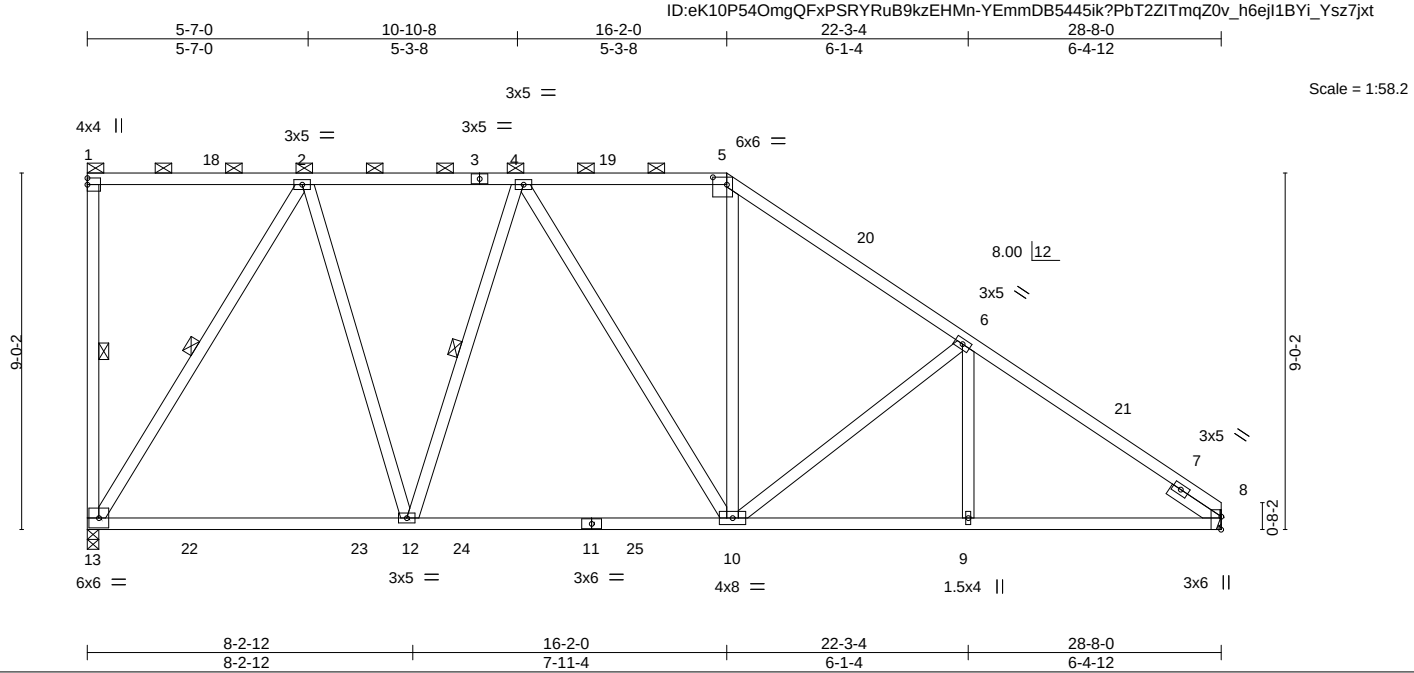

Plate Offsets (X,Y)-- [5:0-4-4,0-2-4], [8:0-3-15,Edge]

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	1.00	Vert(LL)	-0.15	12-13	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.27	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 145 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
SLIDER	Right 2x4 SPF Stud -x 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-3-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-8 max.): 1-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 1-13, 2-13, 4-12

REACTIONS. (size) 13=0-3-8, 8=Mechanical
Max Horz 13=-329(LC 10)
Max Uplift 13=-428(LC 8), 8=-322(LC 13)
Max Grav 13=1185(LC 2), 8=1180(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-899/407, 4-5=-1019/468, 5-6=-1291/487, 6-8=-1634/510
BOT CHORD 12-13=-201/697, 10-12=-230/983, 9-10=-312/1269, 8-9=-312/1269
WEBS 2-13=-1133/446, 2-12=-154/735, 4-12=-434/273, 5-10=-72/400, 6-10=-569/336

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 16-2-0, Exterior(2) 16-2-0 to 19-2-0, Interior(1) 19-2-0 to 28-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=428, 8=322.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T12	Roof Special	1	1	I41602772
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:06 2020 Page 1
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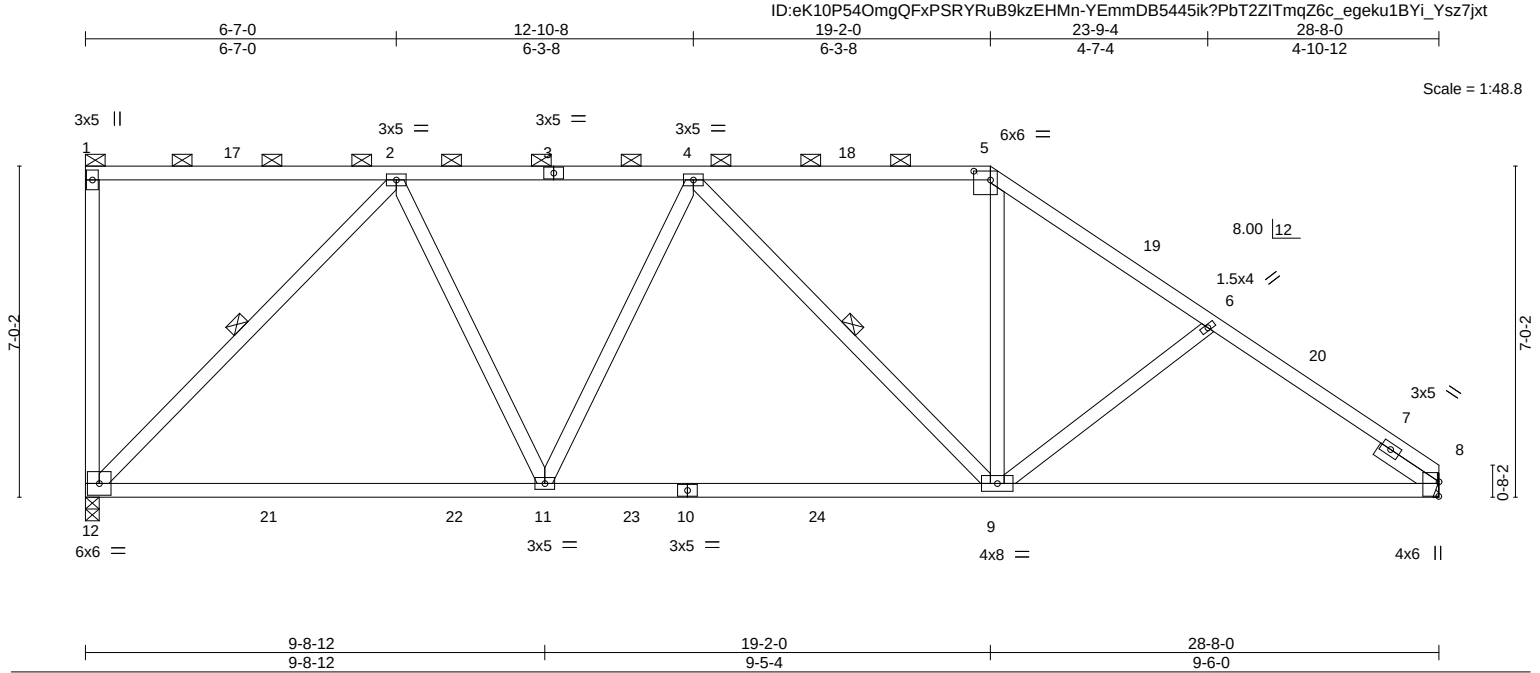

Plate Offsets (X,Y)-- [5:0-4-4,0-2-4], [8:0-3-11,0-0-1]

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	0.63	Vert(LL)	-0.22	11-12	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.45	11-12	>765	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 127 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF Stud
SLIDER	Right 2x4 SPF Stud -x 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-3-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-4 max.): 1-5.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 2-12, 4-9

REACTIONS. (size) 12=0-3-8, 8=Mechanical
Max Horz 12=-254(LC 10)
Max Uplift 12=-427(LC 8), 8=-302(LC 13)
Max Grav 12=1155(LC 2), 8=1141(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1213/457, 4-5=-1121/473, 5-6=-1425/505, 6-8=-1610/548
BOT CHORD 11-12=-313/954, 9-11=-363/1284, 8-9=-359/1283
WEBS 2-12=-1248/501, 2-11=-89/625, 4-11=-297/231, 4-9=-254/231, 5-9=-81/490, 6-9=-337/266

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 19-2-0, Exterior(2) 19-2-0 to 22-2-0, Interior(1) 22-2-0 to 28-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=427, 8=302.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

June 11,2020

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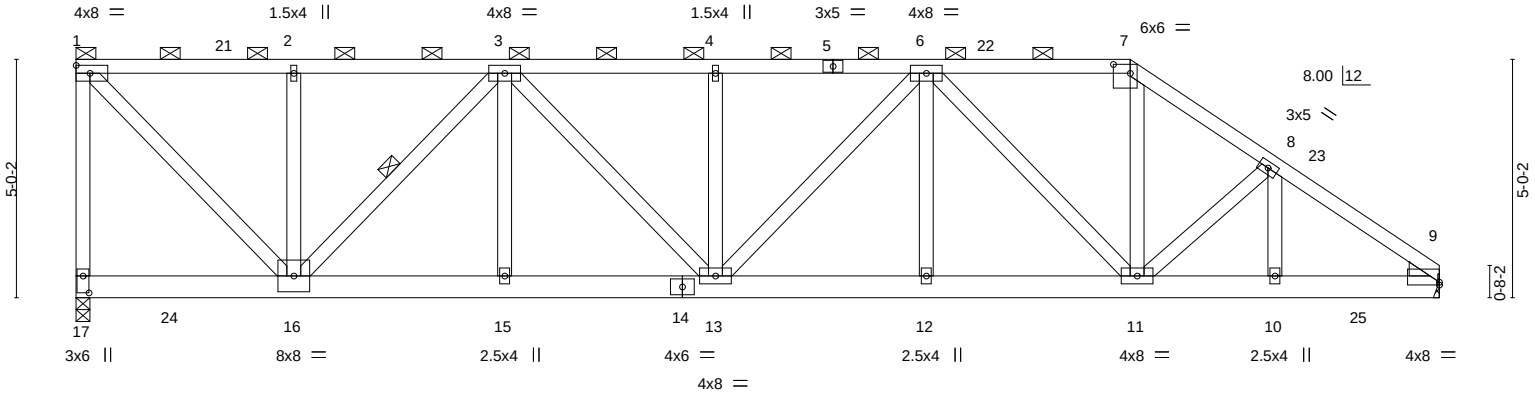
Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T13	Roof Special Girder	1	1	I41602773
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:07 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-1QK9QW6irPqadZ9fcGpiJ16EdO6NN7jAQCRY4Iz7jxs

4-6-15	9-0-2	13-5-6	17-10-9	22-2-0	25-2-8	28-8-0
4-6-15	4-5-3	4-5-3	4-5-3	4-3-7	3-0-8	3-5-8

Scale: 1/4"=1'



4-6-15	9-0-2	13-5-6	17-10-9	22-2-0	25-2-8	28-8-0
4-6-15	4-5-3	4-5-3	4-5-3	4-3-7	3-0-8	3-5-8

Plate Offsets (X,Y)-- [7:0-4-4,0-2-4], [9:0-0-0,0-0-12], [17:0-4-4,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	0.12	12-13	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.21	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 156 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins, except end verticals, and 2-0-0 oc purlins (3-6-2 max.): 1-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-16

REACTIONS. (size) 17=0-3-8, 9=Mechanical
Max Horz 17=-175(LC 10)
Max Uplift 17=-582(LC 8), 9=-472(LC 8)
Max Grav 17=1607(LC 1), 9=1613(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1538/590, 1-2=-1371/536, 2-3=-1371/536, 3-4=-2581/924, 4-6=-2581/924, 6-7=-1809/682, 7-8=-2255/791, 8-9=-2342/767
BOT CHORD 15-16=-765/2229, 13-15=-765/2229, 12-13=-768/2443, 11-12=-768/2443, 10-11=-569/1887, 9-10=-569/1887
WEBS 1-16=-706/1965, 2-16=-284/201, 3-16=-1242/454, 3-15=-14/268, 3-13=-184/509, 4-13=-261/181, 6-12=-3/253, 6-11=-919/394, 7-11=-308/1021

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 22-2-0, Exterior(2) 22-2-0 to 25-2-8, Interior(1) 25-2-8 to 28-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=582, 9=472.
7) Girder carries tie-in span(s): 4-0-0 from 2-0-0 to 27-0-0
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-60, 7-9=-60, 17-24=-20, 24-25=-58(F=-38), 18-25=-20

June 11,2020

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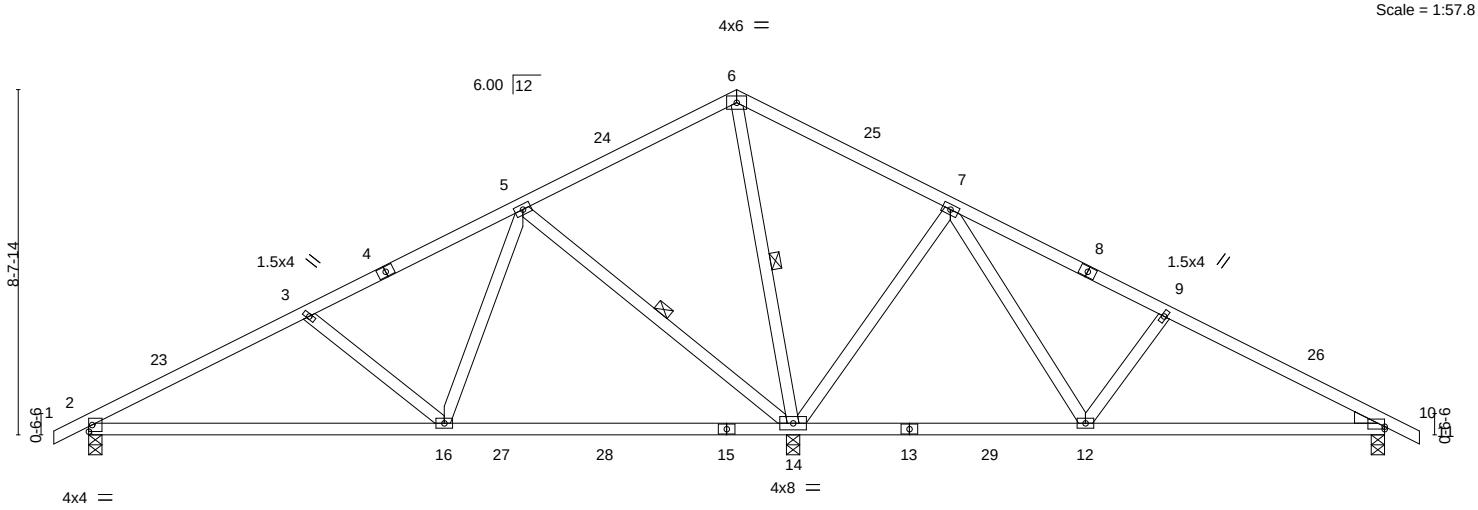
Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T14	Common	1	1	I41602774
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:08 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-VcuXes7KbiyREjkrAzKxrFeWSnPk6fFKesB5ckz7jxr

-0-10-8	5-6-6	10-10-11	16-3-0	21-7-5	26-11-10	32-6-0	33-4-8
0-10-8	5-6-6	5-4-5	5-4-5	5-4-5	5-4-5	5-6-6	0-10-8

Scale = 1:57.8



8-11-0	17-8-0	25-0-0	32-6-0
8-11-0	8-9-0	7-4-0	7-6-0

Plate Offsets (X,Y)-- [10:0-0-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.11	16-19	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.22	16-19	>954	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 131 lb	FT = 20%

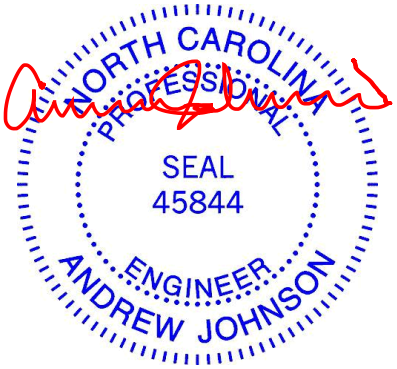
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 12-14.
WEBS 1 Row at midpt 5-14, 6-14

REACTIONS. (size) 2=0-4-0, 14=0-4-0, 10=0-4-0
Max Horz 2=-143(LC 17)
Max Uplift 2=-195(LC 12), 14=-491(LC 12), 10=-172(LC 13)
Max Grav 2=635(LC 23), 14=1676(LC 19), 10=513(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-841/264, 3-5=-569/172, 5-6=-32/375, 6-7=-48/483, 7-9=-417/191, 9-10=-603/209
BOT CHORD 2-16=-287/696, 14-16=-45/307, 10-12=-96/483
WEBS 3-16=-332/282, 5-16=-78/490, 5-14=-708/369, 6-14=-620/189, 7-14=-591/370, 7-12=-159/514, 9-12=-310/266

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-3-0, Exterior(2) 16-3-0 to 19-3-0, Interior(1) 19-3-0 to 33-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 3x5 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=195, 14=491, 10=172.



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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T15	Common	3	1	I41602775
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:09 2020 Page 1
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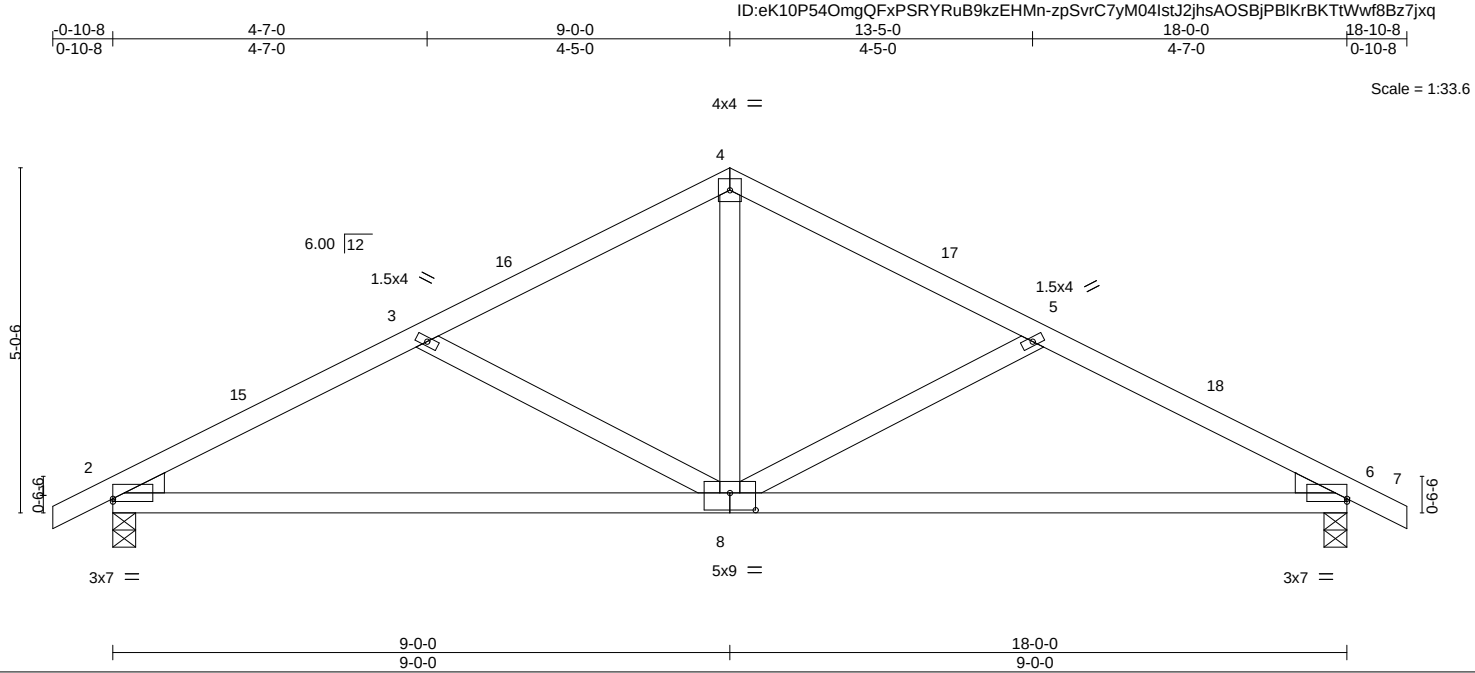

Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [6:0-0-0,0-0-8], [8:0-4-8,0-3-0]

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	0.22	Vert(LL)	-0.10	8-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.21	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 64 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-2 oc bracing.

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=82(LC 12)
Max Uplift 2=-241(LC 12), 6=-241(LC 13)
Max Grav 2=773(LC 1), 6=773(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1158/405, 3-4=-870/303, 4-5=-870/303, 5-6=-1158/405
BOT CHORD 2-8=-346/986, 6-8=-290/986
WEBS 4-8=-84/503, 5-8=-319/265, 3-8=-319/264

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 18-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=241, 6=241.

June 11,2020

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T16	FINK	10	1	I41602776
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:10 2020 Page 1
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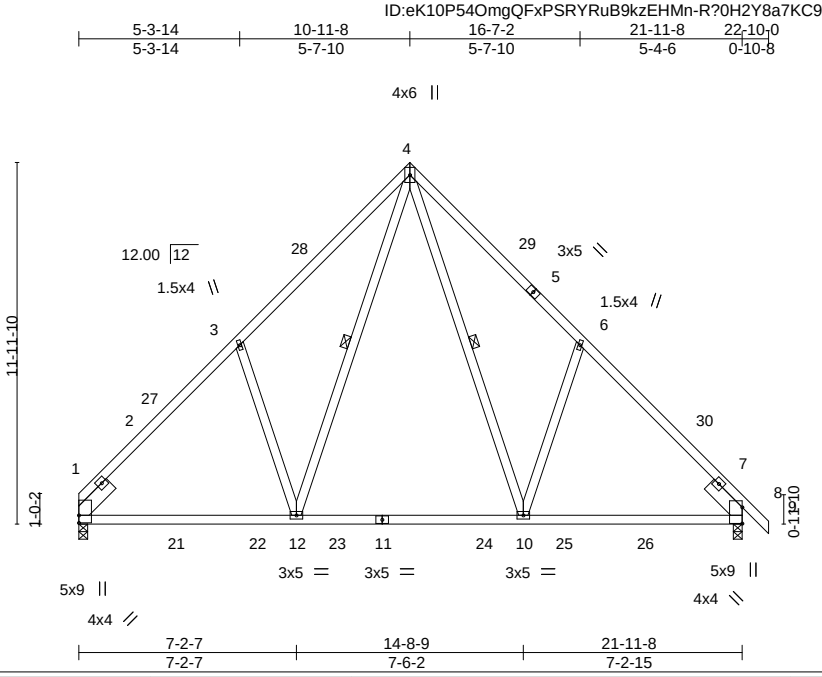


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.13	10-12	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.22	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 109 lb	FT = 20%

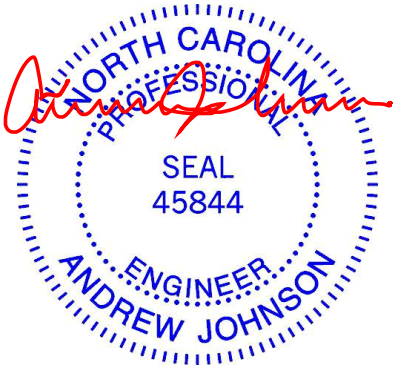
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud
SLIDER Left 2x6 SPF 1650F 1.5E -x 1-6-0, Right 2x6 SPF 1650F 1.5E -x 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-12, 4-10

REACTIONS. (size) 1=0-3-8, 8=0-3-8
Max Horz 1=-287(LC 8)
Max Uplift 1=-240(LC 13), 8=-251(LC 13)
Max Grav 1=1035(LC 20), 8=1073(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1162/329, 3-4=-1123/524, 4-6=-1126/519, 6-8=-1165/325
BOT CHORD 1-12=-230/894, 10-12=-28/565, 8-10=-116/769
WEBS 3-12=-465/439, 4-12=-360/678, 4-10=-362/684, 6-10=-469/440

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-11-8, Exterior(2) 10-11-8 to 13-11-8, Interior(1) 13-11-8 to 22-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=240, 8=251.



June 11,2020

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	T17	Common	10	1	I41602777
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:11 2020 Page 1
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-0-10-8 5-7-10 11-0-0 16-4-6 22-0-0 22-10-8
0-10-8 5-7-10 5-4-6 5-4-6 5-7-10 0-10-8

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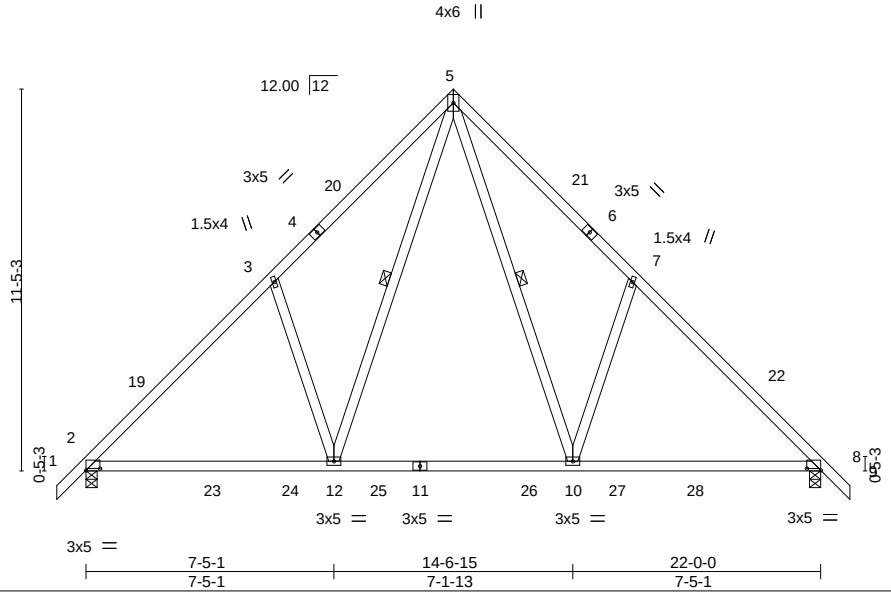

Plate Offsets (X,Y)-- [2:0-5-0,0-0-10], [8:0-5-0,0-0-10]

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	0.42	Vert(LL)	-0.09	10-12	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.15	10-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-MS							Weight: 103 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-10, 5-12

REACTIONS. (size) 2=0-4-0, 8=0-4-0
Max Horz 2=294(LC 11)
Max Uplift 2=-256(LC 12), 8=-256(LC 13)
Max Grav 2=1064(LC 19), 8=1064(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1212/329, 3-5=-1189/522, 5-7=-1189/522, 7-8=-1212/329
BOT CHORD 2-12=-226/948, 10-12=-22/584, 8-10=-117/826
WEBS 5-10=-367/744, 7-10=-509/441, 5-12=-367/743, 3-12=-509/441

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=256, 8=256.

June 11,2020

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V06	Valley	1	1	I41602778
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:12 2020 Page 1
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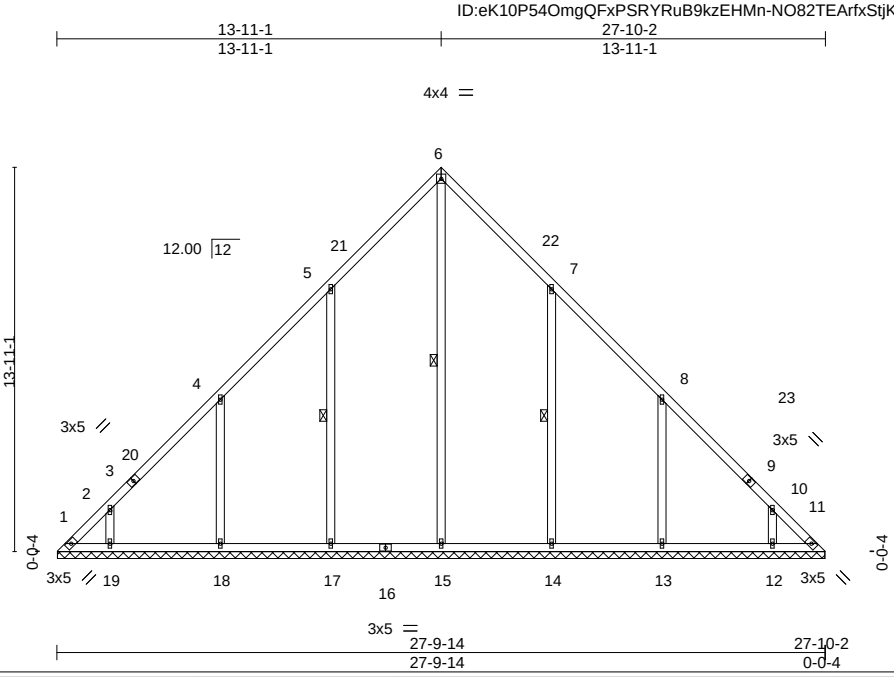

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 127 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-15, 5-17, 7-14

REACTIONS. All bearings 27-9-10.
(lb) - Max Horz 1=-336(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 1=-258(LC 10), 17=-339(LC 12), 18=-324(LC 12), 19=-267(LC 12), 14=-338(LC 13), 13=-325(LC 13), 12=-267(LC 13), 11=-203(LC 11)
Max Grav All reactions 250 lb or less at joint(s) except 1=412(LC 12), 15=371(LC 22), 17=582(LC 19), 18=500(LC 19), 19=350(LC 19), 14=581(LC 20), 13=501(LC 20), 12=350(LC 20), 11=375(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-590/398, 2-4=-362/286, 5-6=-340/336, 6-7=-340/307, 8-10=-310/208, 10-11=-538/397
BOT CHORD 1-19=-271/385, 18-19=-271/385, 17-18=-271/385, 15-17=-271/385, 14-15=-271/385, 13-14=-271/385, 12-13=-271/385, 11-12=-271/385
WEBS 6-15=-309/209, 5-17=-430/386, 4-18=-423/374, 2-19=-349/310, 7-14=-430/385, 8-13=-423/374, 10-12=-349/310

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 13-11-1, Exterior(2) 13-11-1 to 16-11-1, Interior(1) 16-11-1 to 27-5-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 1=258, 17=339, 18=324, 19=267, 14=338, 13=325, 12=267, 11=203.

June 11,2020

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V07	Valley	1	1	I41602779
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:13 2020 Page 1
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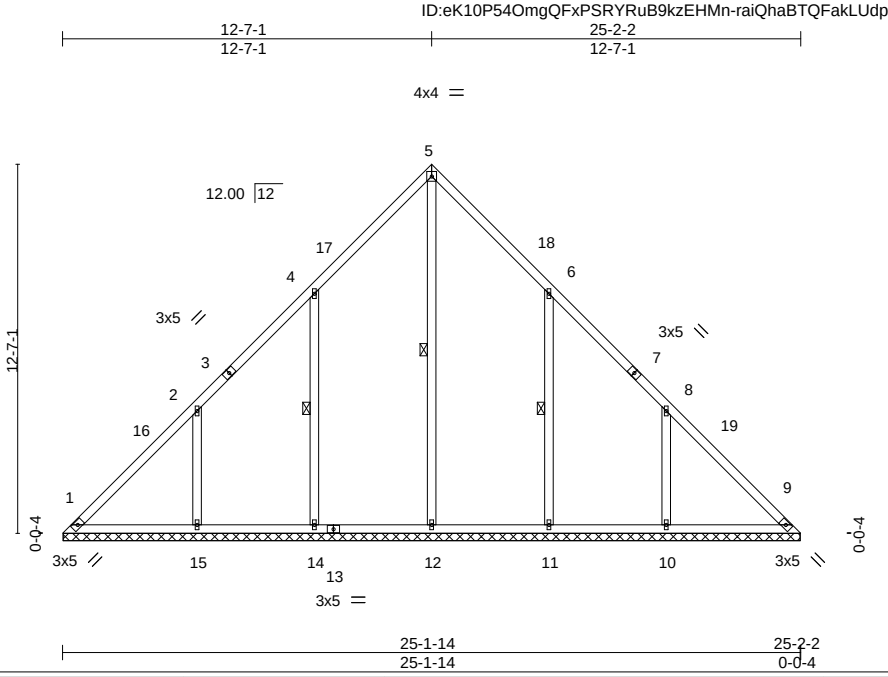

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 109 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
OTHERS	2x4 SPF Stud

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-12, 4-14, 6-11

REACTIONS. All bearings 25-1-10.
(lb) - Max Horz 1=-303(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9 except 14=-326(LC 12), 15=-371(LC 12), 11=-326(LC 13), 10=-371(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 12=366(LC 22), 14=565(LC 19), 15=560(LC 19), 11=564(LC 20), 10=560(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-411/308, 4-5=-307/302, 5-6=-307/275, 8-9=-364/261
BOT CHORD 1-15=-237/343, 14-15=-237/343, 12-14=-237/343, 11-12=-237/343, 10-11=-237/343, 9-10=-237/343
WEBS 5-12=-259/162, 4-14=-419/377, 2-15=-465/408, 6-11=-419/377, 8-10=-465/408

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 12-7-1, Exterior(2) 12-7-1 to 15-7-1, Interior(1) 15-7-1 to 24-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9 except (jt=lb) 14=326, 15=371, 11=326, 10=371.

June 11,2020

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V08	Valley	1	1	I41602780
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:14 2020 Page 1
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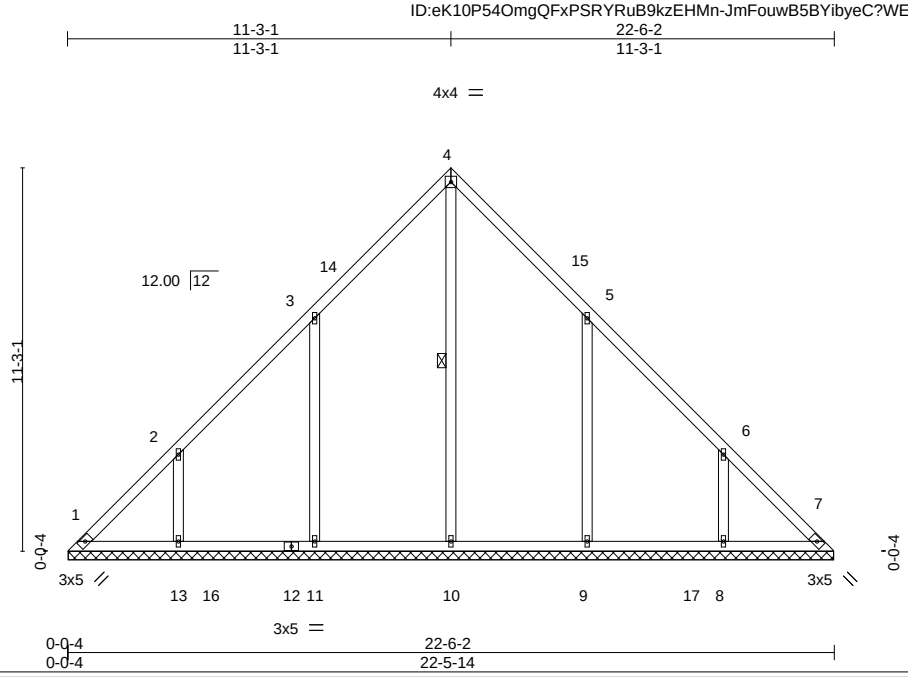


LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 94 lb	FT = 20%

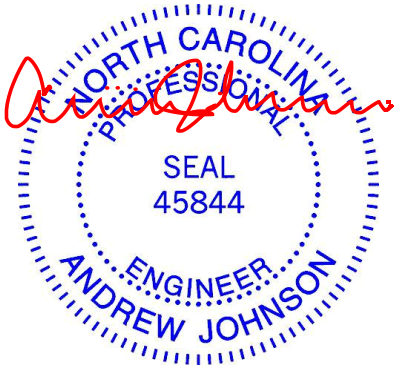
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS. All bearings 22-5-10.
(lb) - Max Horz 1=-270(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 1=-115(LC 10), 11=-347(LC 12), 13=-300(LC 12), 9=-346(LC 13), 8=-300(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=354(LC 22), 11=588(LC 19), 13=440(LC 19), 9=587(LC 20), 8=441(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-393/283, 3-4=-278/269, 4-5=-278/245, 6-7=-351/249
BOT CHORD 1-13=-204/300, 11-13=-204/300, 10-11=-204/300, 9-10=-204/300, 8-9=-204/300, 7-8=-204/300
WEBS 3-11=-442/397, 2-13=-383/336, 5-9=-442/397, 6-8=-383/337

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-3-1, Interior(1) 3-3-1 to 11-3-1, Exterior(2) 11-3-1 to 14-3-1, Interior(1) 14-3-1 to 22-1-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 1=115, 11=347, 13=300, 9=346, 8=300.



June 11,2020

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V09	Valley	1	1	I41602781
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:15 2020 Page 1
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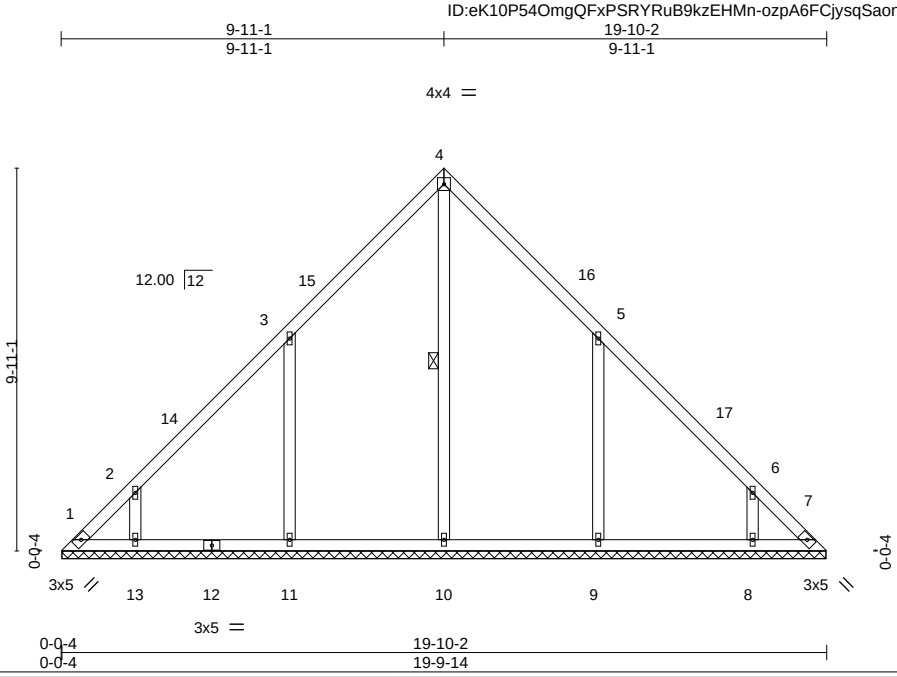


LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 79 lb	FT = 20%

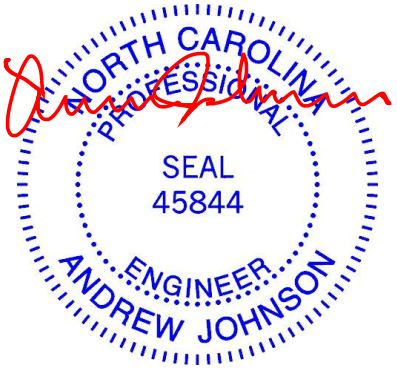
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS. All bearings 19-9-10.
(lb) - Max Horz 1=-237(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-165(LC 10), 7=-127(LC 11), 11=-354(LC 12), 13=-257(LC 12), 9=-354(LC 13), 8=-258(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 7 except 1=269(LC 12), 10=360(LC 22), 11=531(LC 19), 13=340(LC 19), 9=531(LC 20), 8=340(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-390/270, 6-7=-353/253
BOT CHORD 1-13=-171/257, 11-13=-171/257, 10-11=-171/257, 9-10=-171/257, 8-9=-171/257, 7-8=-171/257
WEBS 3-11=-450/403, 2-13=-340/300, 5-9=-450/403, 6-8=-340/300

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 9-11-1, Exterior(2) 9-11-1 to 12-11-1, Interior(1) 12-11-1 to 19-5-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 1, 127 lb uplift at joint 7, 354 lb uplift at joint 11, 257 lb uplift at joint 13, 354 lb uplift at joint 9 and 258 lb uplift at joint 8.



June 11,2020

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V10	Valley	1	1	I41602782
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:16 2020 Page 1
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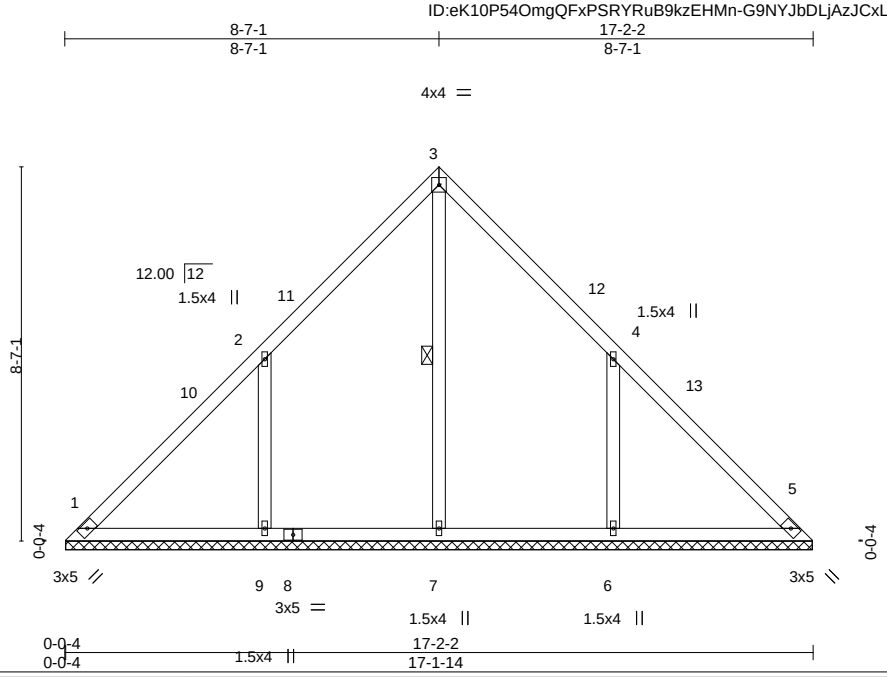

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 64 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-7

REACTIONS. All bearings 17-1-10.
(lb) - Max Horz 1=-204(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-398(LC 12), 6=-398(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=340(LC 22), 9=589(LC 19), 6=588(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-492/436, 4-6=-492/436

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 8-7-1, Exterior(2) 8-7-1 to 11-7-1, Interior(1) 11-7-1 to 16-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=398, 6=398.

June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V11	Valley	1	1	I41602783
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:16 2020 Page 1
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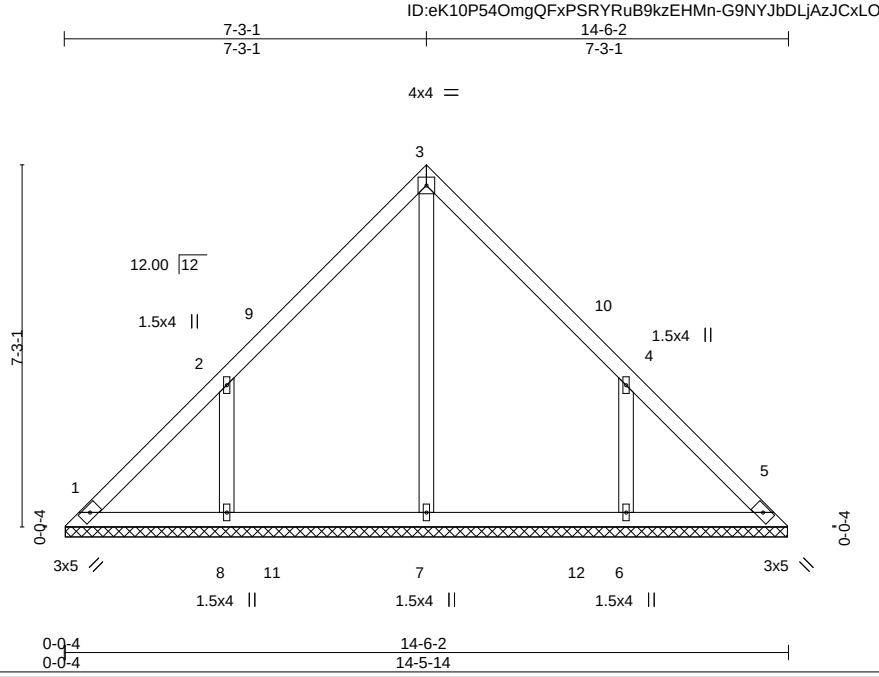

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 53 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. All bearings 14-5-10.
(lb) - Max Horz 1=-171(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-333(LC 12), 6=-333(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=342(LC 22), 8=474(LC 19), 6=474(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-418/371, 4-6=-418/371

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-3-1, Interior(1) 3-3-1 to 7-3-1, Exterior(2) 7-3-1 to 10-3-1, Interior(1) 10-3-1 to 14-1-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=333, 6=333.

June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V12	Valley	1	1	I41602784
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:17 2020 Page 1
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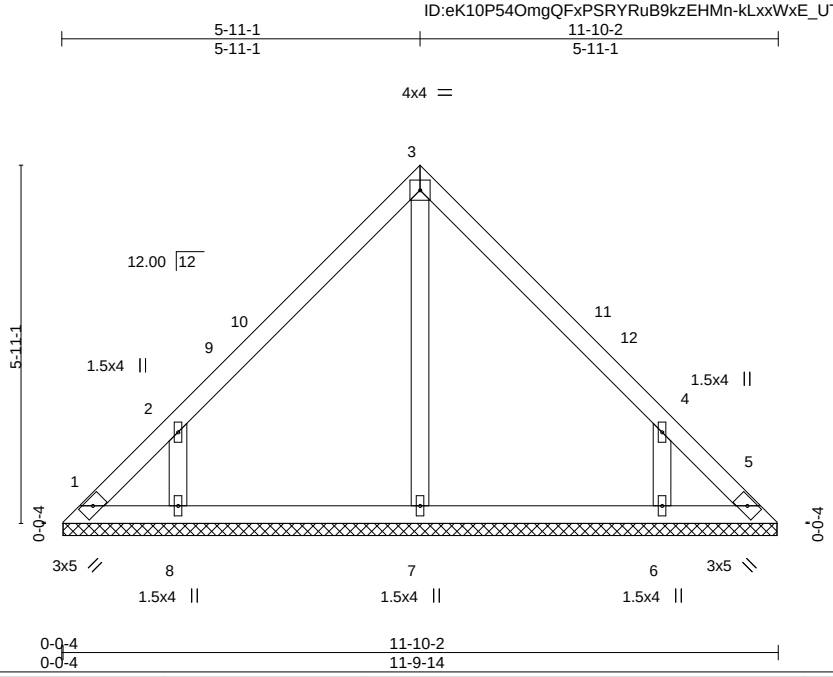

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. All bearings 11-9-10.
(lb) - Max Horz 1=138(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-304(LC 12), 6=-304(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=397(LC 19), 6=397(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-393/350, 4-6=-393/350

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 5-11-1, Exterior(2) 5-11-1 to 8-11-1, Interior(1) 8-11-1 to 11-5-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=304, 6=304.

June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V13	Valley	1	1	I41602785
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:18 2020 Page 1
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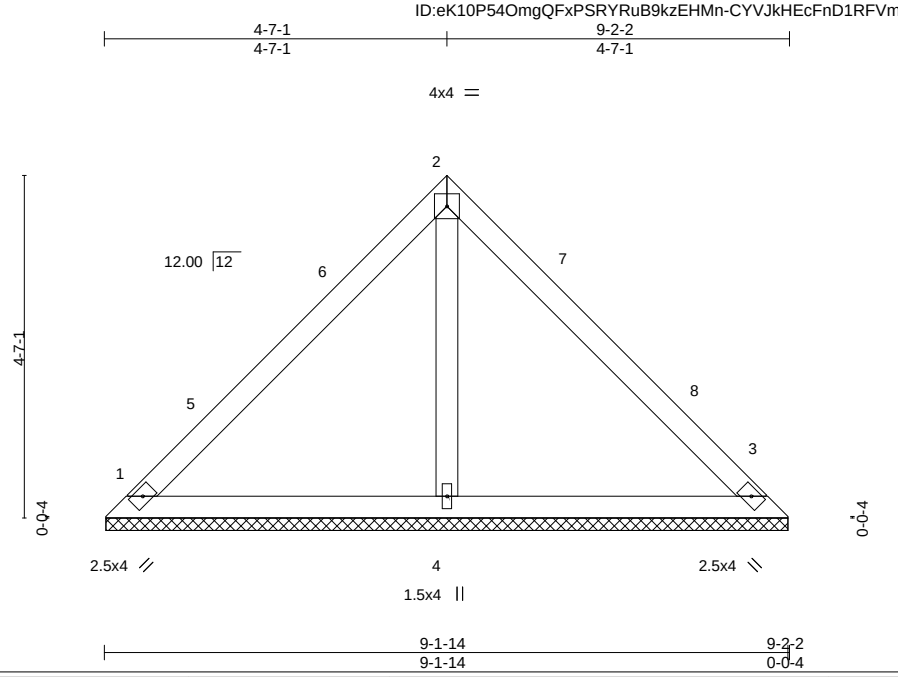

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 29 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. (size) 1=9-1-10, 3=9-1-10, 4=9-1-10
Max Horz 1=-105(LC 8)
Max Uplift 1=-78(LC 13), 3=-78(LC 13), 4=-48(LC 12)
Max Grav 1=199(LC 20), 3=199(LC 20), 4=303(LC 19)

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 4-7-1, Exterior(2) 4-7-1 to 7-7-1, Interior(1) 7-7-1 to 8-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

June 11,2020

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V14	Valley	1	1	I41602786
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:19 2020 Page 1
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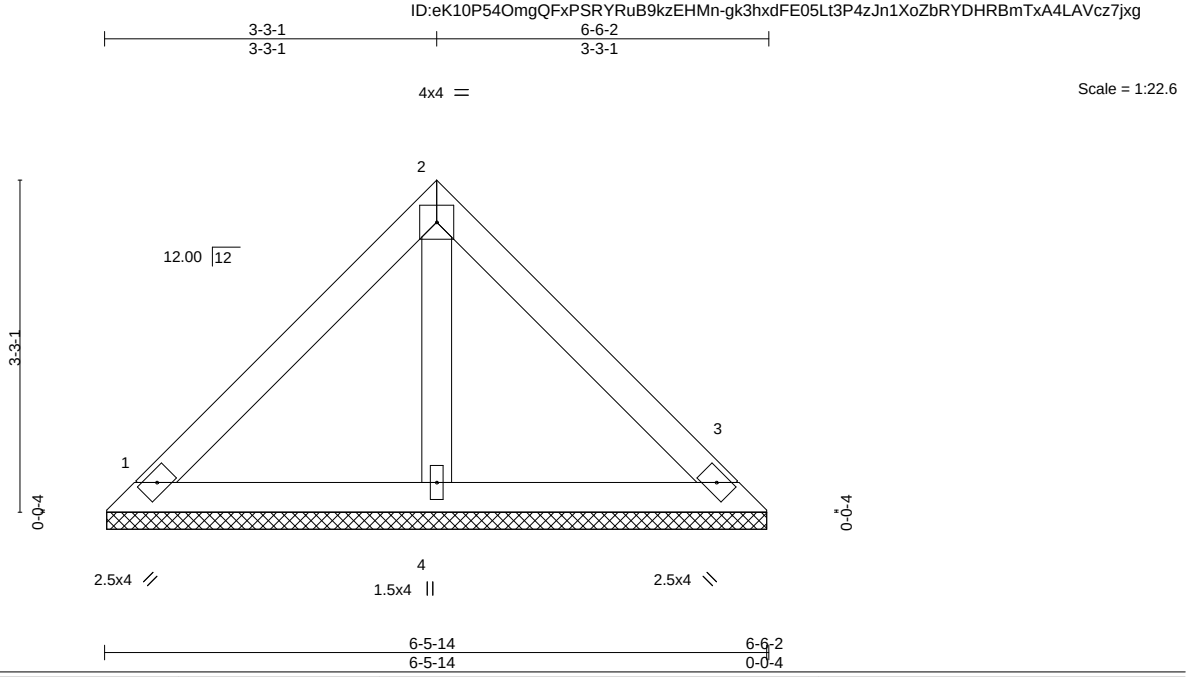

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. (size) 1=6-5-10, 3=6-5-10, 4=6-5-10
Max Horz 1=-72(LC 8)
Max Uplift 1=-67(LC 13), 3=-67(LC 13), 4=-5(LC 12)
Max Grav 1=148(LC 20), 3=148(LC 20), 4=184(LC 19)

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V16	Valley	1	1	I41602787
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:20 2020 Page 1
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15-9-8 31-7-0
15-9-8 15-9-8

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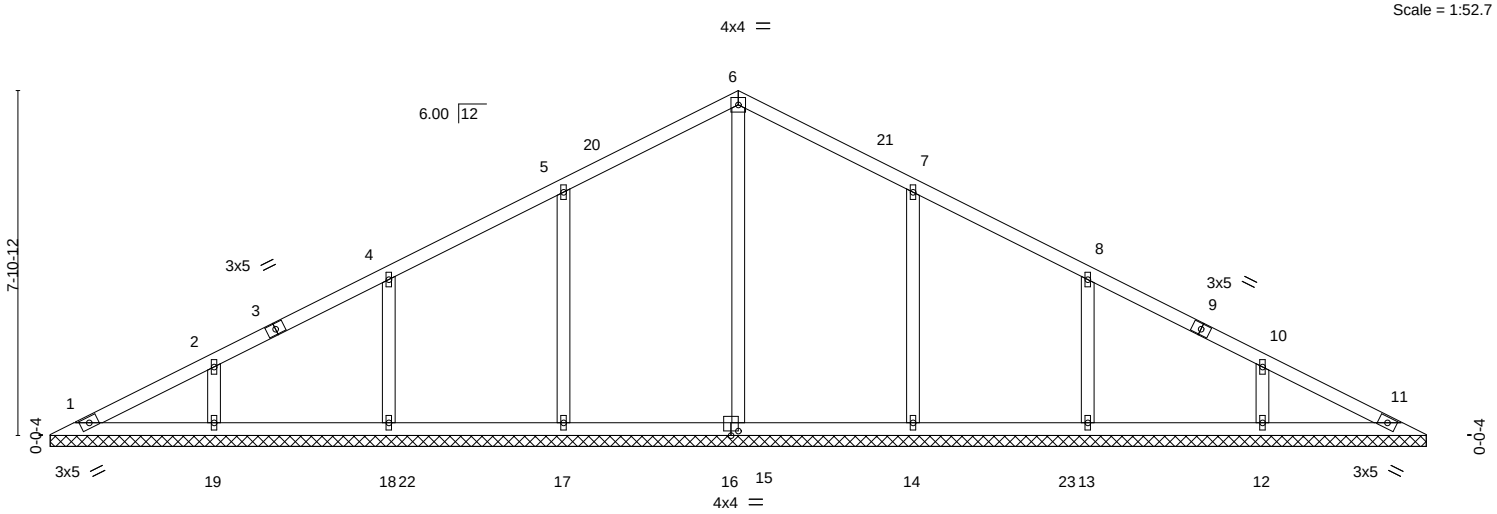

0-0-8 31-7-0
0-0-8 31-6-8

Plate Offsets (X,Y)-- [15:0-1-12,0-0-0], [16:0-2-0,0-1-4], [16:0-0-0,0-1-12]

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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 106 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. All bearings 31-6-0.
(lb) - Max Horz 1=-127(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 17=-183(LC 12), 18=-166(LC 12), 19=-169(LC 12), 14=-183(LC 13), 13=-166(LC 13), 12=-169(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 11 except 15=374(LC 22), 17=465(LC 19), 18=365(LC 19), 19=320(LC 23), 14=465(LC 20), 13=366(LC 20), 12=320(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-17=-260/231, 7-14=-260/231

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-9-8, Interior(1) 3-9-8 to 15-9-8, Exterior(2) 15-9-8 to 18-9-8, Interior(1) 18-9-8 to 30-11-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 17=183, 18=166, 19=169, 14=183, 13=166, 12=169.

June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V17	Valley	1	1	I41602788
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:21 2020 Page 1
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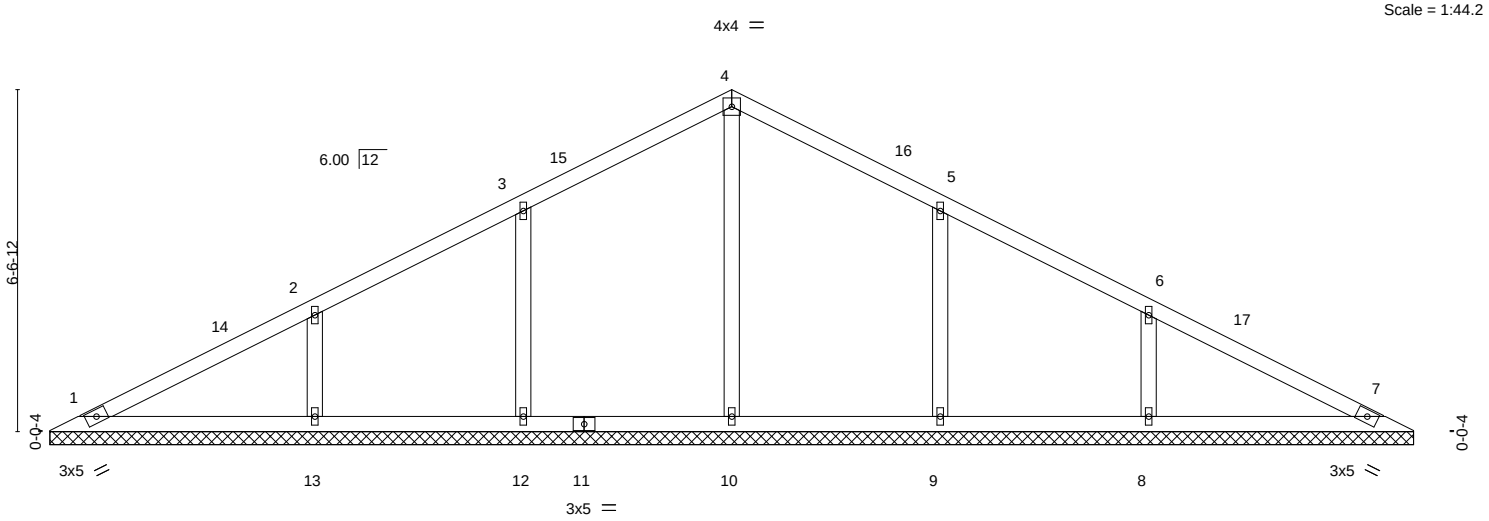
13-1-8 | 26-3-0
13-1-8 | 13-1-8

Scale = 1:44.2



0-0-8 | 26-3-0
0-0-8 | 26-2-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 82 lb	FT = 20%

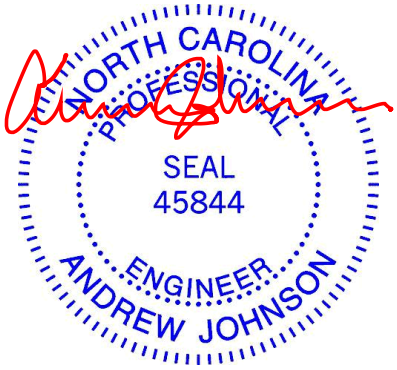
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. All bearings 26-2-0.
(lb) - Max Horz 1=104(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=-173(LC 12), 13=-204(LC 12), 9=-173(LC 13), 8=-204(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=398(LC 22), 12=373(LC 19), 13=389(LC 1), 9=373(LC 20), 8=389(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-285/250, 6-8=-285/250

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 13-1-8, Exterior(2) 13-1-8 to 16-1-8, Interior(1) 16-1-8 to 25-7-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 12=173, 13=204, 9=173, 8=204.



June 11,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V18	Valley	1	1	I41602789
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:21 2020 Page 1
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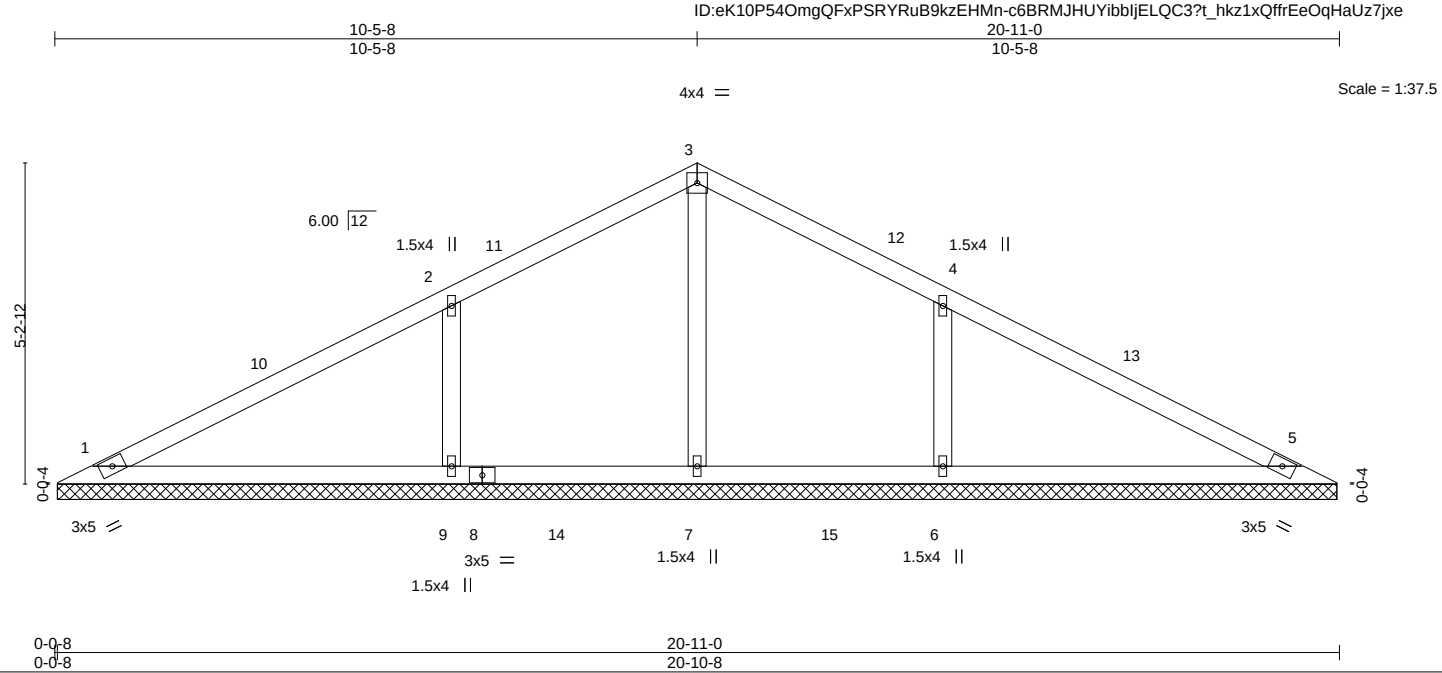


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 60 lb	FT = 20%

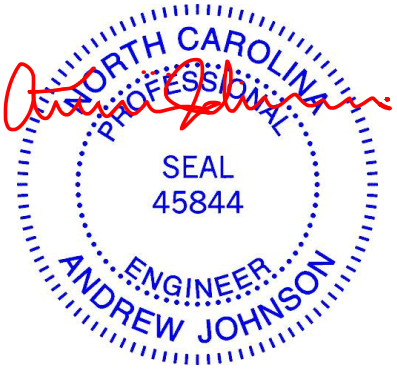
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. All bearings 20-10-0.
(lb) - Max Horz 1=-82(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-266(LC 12), 6=-266(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=285(LC 22), 9=514(LC 19), 6=514(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-365/321, 4-6=-365/321

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 10-5-8, Exterior(2) 10-5-8 to 13-5-8, Interior(1) 13-5-8 to 20-3-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 9=266, 6=266.



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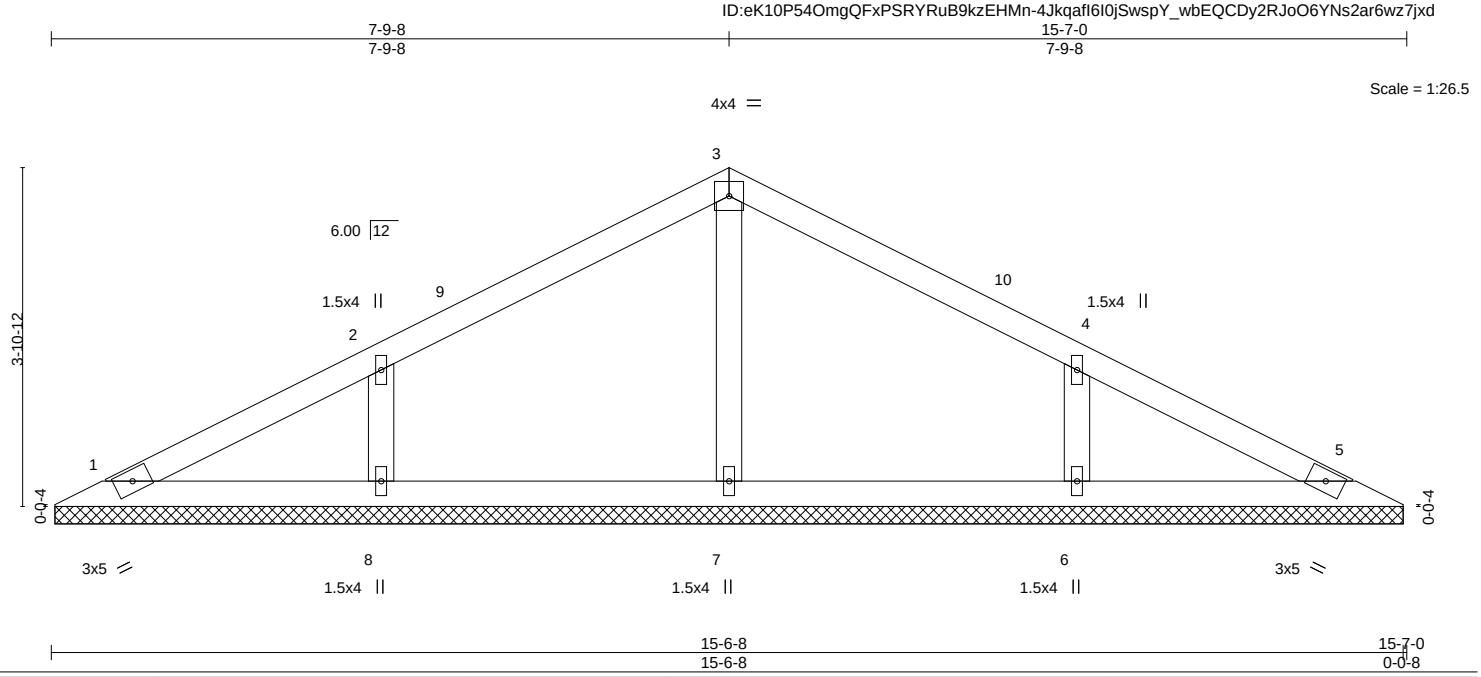
Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V19	Valley	1	1	I41602790
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:22 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-4JkqafI6I0jSwspY_wbEQCDy2RJoO6YNs2ar6wz7jxd



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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	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	IBC2015/TPI2014	Matrix-S							Weight: 43 lb	FT = 20%

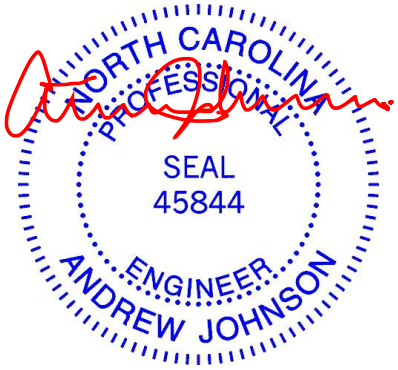
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. All bearings 15-6-0.
(lb) - Max Horz 1=-60(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-185(LC 12), 6=-185(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=273(LC 1), 8=339(LC 23), 6=339(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-257/227, 4-6=-257/227

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-9-8, Interior(1) 3-9-8 to 7-9-8, Exterior(2) 7-9-8 to 10-9-8, Interior(1) 10-9-8 to 14-11-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=185, 6=185.



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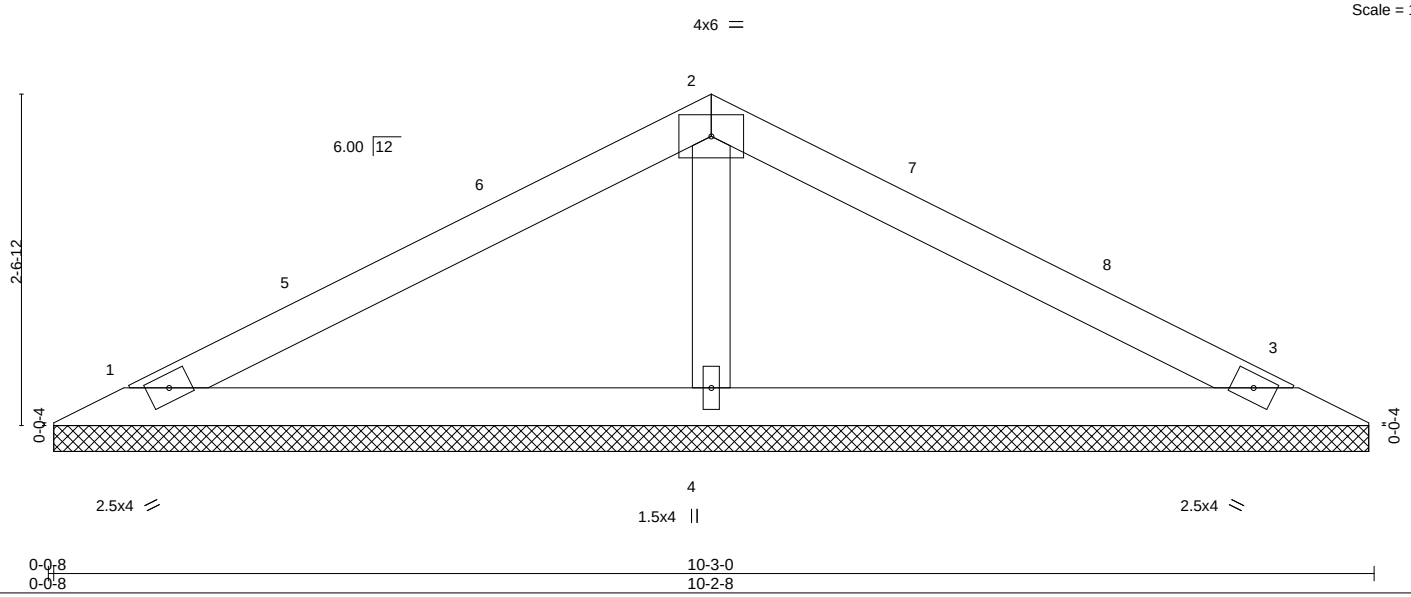
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Mosconi - Charleston F
QUOTE_FILE	V20	Valley	1	1	I41602791
					Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334, 8.330 s May 6 2020 MiTek Industries, Inc. Wed Jun 10 09:24:23 2020 Page 1
ID:eK10P54OmgQFxPSRYRuB9kzEHMn-ZVICn?Ik3JrJY0OkYd6TyPm6Xqds7axX5iJOeNz7jxc

5-1-8 | 10-3-0
5-1-8 | 5-1-8

Scale = 1:17.8



LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IBC2015/TPI2014		Matrix-S							Weight: 25 lb	FT = 20%

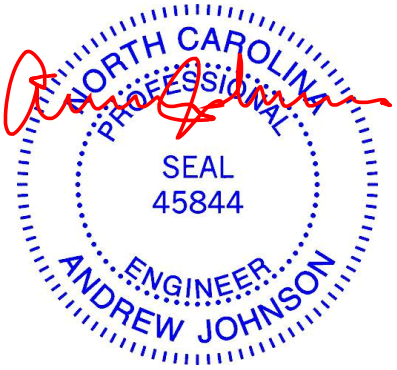
LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

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

REACTIONS. (size) 1=10-2-0, 3=10-2-0, 4=10-2-0
Max Horz 1=38(LC 12)
Max Uplift 1=-68(LC 12), 3=-75(LC 13), 4=-85(LC 12)
Max Grav 1=166(LC 23), 3=166(LC 24), 4=389(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-257/177

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=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 5-1-8, Exterior(2) 5-1-8 to 8-1-8, Interior(1) 8-1-8 to 9-7-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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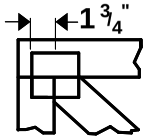
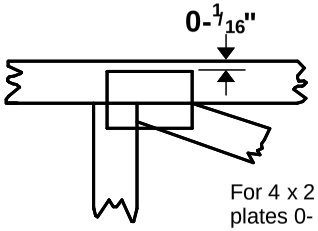
Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

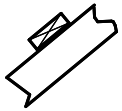
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

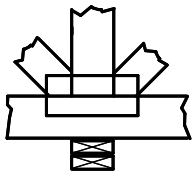
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

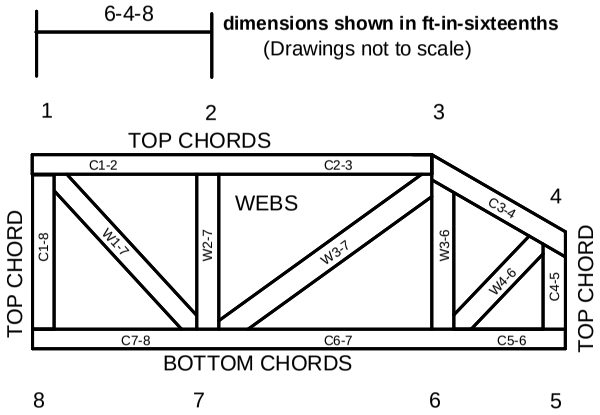


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.