Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F1	Floor	2	1	Job Reference (optional)	163796485

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:08 ID:dXJv_W2xIvuMB5mK0jT1vWzif55-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Plate Offsets (2	X, Y): [4:0-1-8,Edge],	[5:0-1-8,Edge], [13:0)-1-8,Edge	e], [18:0-1-8,Ec	lge]									
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-MSH	0.96 0.74 0.69	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.26 0.04	(loc) 17-18 17-18 17	l/defl >999 >694 n/a	L/d 480 240 n/a	PLATES MT20 Weight: 156 lb	GRIP 244/190 FT = 20%F, 11%	E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 2-2-0 oc purlins, exc Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 21: (size) 17=0-3-8, Mechanica Max Grav 17=683 (L 27=754 (L	athing directly applie cept end verticals. applied or 10-0-0 oc -23,20-21. 21=0-3-8, 27= al C 4), 21=2038 (LC 1 C 3)	3) 4) 5) d or 6) LC	Refer to gird This truss is International R802.10.2 ar Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D DAD CASE(S)	er(s) for truss to tru designed in accorr Residential Code nd referenced stan 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained to not erect truss b Standard	uss conr dance w sections dard AN on edge ach truss is to be d by othe ackward	ections. ith the 2018 s R502.11.1 a ISI/TPI 1. , spaced at s with 3-10d attached to w er means. ds.	and valls						
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Com Tension 1-27=-106/0, 16-17= 2-3=-2062/0, 3-4=-20 5-7=-1595/313, 7-8= 9-10=0/2248, 10-12= 12-13=-1339/271, 13 14-15=-1780/0, 15-1 26-27=0/1360, 25-20	pression/Maximum -102/0, 1-2=0/0, 062/0, 4-5=-2130/0, -1595/313, 8-9=0/22 -1339/271, 3-14=-1780/0, 6=-5/0 =-0/2130, 24-25=0/2	130,									WH CA	RO	
WEBS NOTES 1) Unbalance this design 2) All plates a	23-24=0/2130, 21-23 20-21=-746/247, 19- 18-19=0/1780, 17-18 9-21=-281/0, 8-21=-3 8-23=0/1455, 2-26=0 3-26=-258/0, 5-23=-4 4-25=-206/71, 5-24= 15-17=-1338/0, 10-2 15-18=-50/618, 12-2 14-18=-204/35, 13-2 wd floor live loads have the second se	=-837/42, 20=0/1780, 3=0/1221 2080/0, 2-27=-1497/)/776, 7-23=-272/0, 846/0, 4-26=-126/39 -60/214, 10-21=-198 0=0/1352, 0=-275/0, 0=-830/0, 13-19=-20 been considered for otherwise indicated	0, 8, 31/0, 0/105							. and the second second	A MARINE AND A MARINE	SEA 2822	E.E.L.	

February 23,2024

TRENCO AMITEK Affiliate

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F1A	Floor	6	1	Job Reference (optional)	163796486

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:15 ID:AFUOmEZ6C74B48IGOqVKu5zifNo-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

3x6 =





Scale = 1:52.9

Plate Offsets (2	X, Y): [4:0-1-8,Edge],	[5:0-1-8,Edge], [12:0)-1-8,Edge], [13:0-1-8,Ed	lge]									
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MSH	0.99 0.62 0.68	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.16 0.03	(loc) 24-25 25 17	l/defl >999 >999 n/a	L/d 480 240 n/a	PLATES MT20 MT20HS Weight: 160 lb	GRIP 244/190 187/143 FT = 20%F, 11	1%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea except end verticals. Rigid ceiling directly bracing, Except: 10-0-0 oc bracing: 27 (size) 17=0-3-8, Mechanica Max Grav 17=704 (L	athing directly applied applied or 6-0-0 oc 7-28,17-18. 22=0-5-8, 28= al C 4), 22=2061 (LC 1	1) 2) 3) 4) 5) d, 6) 7) 1), LC	Unbalanced this design. All plates are Refer to girdd This truss is International R802.10.2 ar Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D DAD CASE(S)	floor live loads hav MT20 plates unlet 1.5x3 MT20 unles er(s) for truss to tru designed in accord Residential Codes and referenced stan 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained o not erect truss b Standard	te been ss other iss conr dance w sections dard AN on edge ich truss is to be ackward	considered for wise indicate wise indicated nections. ith the 2018 R502.11.1 a ISI/TPI 1. , spaced at with 3-10d attached to w er means. Is.	or d. d. nd valls						
FORCES	28=716 (L (Ib) - Maximum Com Tension 1-28=-105/0, 16-17= 2-3=-1894/0, 3-4=-18 5-6=-1398/347, 6-7= 8-10=0/2349, 10-11= 11-12=-1390/367, 12 3-14=-1868/0, 14-1	.C 3) pression/Maximum -102/0, 1-2=0/0, 894/0, 4-5=-1917/11, -1398/347, 7-8=0/23 -1390/367, 2-13=-1889/33, 5=-1868/0, 15-16=-5	, 949, 5/0										11111	
BOT CHORD	27-28=0/1280, 26-27 25-26=-11/1917, 24- 22-24=-870/249, 21- 20-21=-33/1889, 19- 18-19=-33/1889, 17-	7=-11/1917, 25=-11/1917, 22=-893/258, 20=-33/1889, 18=0/1265									N.V.	CFESS	ROUNT	
WEBS NOTES	8-22282/0, 10-22= 10-21=0/1425, 15-18 14-18=-239/0, 12-21 12-20=-63/173, 13-1 7-22=-2060/0, 2-28= 2-27=0/679, 6-24=-2 5-24=-823/0, 4-27=-5 5-25=-44/169	2-2048/0, 15-17=-138 3=0/666, 11-21=-272 =-801/0, 13-18=-87/3 9=-176/69, -1409/0, 7-24=0/143 73/0, 3-27=-245/0, 98/389, 4-26=-174/5	87/0, /0, 388, 97, 1,							THILL WAY	ALL	SEA 2822 HUEGAN	E.P.	WILLING

NOTES

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

February 23,2024

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F2	Floor	1	1	Job Reference (optional)	163796487

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:15 ID:D_iWNCAMNv9xoSzHGFkaiHzifkE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

0-1-8

Н

1-4-0





Scale = 1:50.8

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00			0.91	Vert(LL)	-0.11	16-17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.89	Vert(CT)	-0.19	16-17	>949	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO		WB	0.88	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code	IRC201	8/TPI2014	Matrix-MSH							Weight: 156 lb	FT = 20%F, 11%E
LUMBER TOP CHORI BOT CHORI WEBS OTHERS BRACING TOP CHORI BOT CHORI	 2x4 SP No.1(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) *E (flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly 	xcept* 18-9:2x4 SP N athing directly applie cept end verticals. applied or 10-0-0 oc	4) No.2 5) d or 6) L(1)	 Load case(s) designer mus correct for th Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D CAUTION, D OAD CASE(S) Dead + Floot 	1, 3 has/have bee st review loads to v e intended use of t 2x6 strongbacks, r and fastened to ea nails. Strongback ends or restrained o not erect truss be Standard or Live (balanced):	en modifiverify that his trussion edge ch trussis to be l by othe ackward	ied. Building at they are s. e, spaced at s with 3-10d attached to w er means. ds. r Increase=1.0	alls 00,					
	bracing, Except: 6-0-0 oc bracing: 20	-21,18-20.		Plate Increa Uniform Loa	ase=1.00 ads (lb/ft)								
REACTIONS	(size) 15=0-3-8, Max Grav 15=831 (l 23=826 (l	20=0-5-8, 23=0-5-8 _C 6), 20=2481 (LC 1 _C 5)),	Vert: 15-2 Concentrate Vert: 3=-4	23=-10, 1-14=-100 ed Loads (lb) 407, 11=-407								
FORCES	(lb) - Maximum Com Tension	pression/Maximum	3)) Dead + Roo Plate Increa	of Live (balanced): ase=0.90 Plt. metal	Lumber =0.90	Increase=0.9	90,					
TOP CHORI	1-23=-100/0, 14-15= 2-3=-2515/0, 3-4=-2 5-6=-1431/233, 6-8= 9-10=-1753/0, 10-11 11-12=-2430/0, 12-1 22-23=0/1530, 21-2 20-21=-1217/0, 18-2	104/0, 1-2=-5/0, 515/0, 4-5=-1431/23; =0/3018, 8-9=0/3018, =-1753/0, 13=-2430/0, 13-14=-5 2=0/2262, 20=-909/49,	3, //0	Uniform Loa Vert: 15-2 Concentrate Vert: 3=-0	ads (Ib/ft) 23=-10, 1-14=-20 ed Loads (Ib) 698, 11=-697							mmm	10 ₁₀ .
WEBS	17-18=0/2741, 16-1 3-22=-750/0, 8-20=- 2-23=-1679/0, 2-22= 6-21=0/1858, 5-21= 4-22=0/540, 9-20=-2 10-18=-217/0, 11-18 13-15=-1684/0, 13-1 11-16=-460/0	7=0/2741, 15-16=0/1 284/0, 11-17=0/4, =0/1095, 6-20=-2424/ -270/0, 4-21=-1269/0 2678/0, 9-18=0/2131, ==1330/0, 66=0/1022, 12-16=-27	535 0, , 70/0,								New York	SEAL	
NOTES 1) Unbalan this desi 2) All plate 3) This trus Internati R802.10	ced floor live loads have gn. s are MT20 plates unles s is designed in accorda onal Residential Code s .2 and referenced stand	e been considered for s otherwise indicated ance with the 2018 ections R502.11.1 an lard ANSI/TPI 1.	.d							1112.2	A A A A A A A A A A A A A A A A A A A	+UEGAN	E.P

February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F3	Floor	3	1	Job Reference (optional)	163796488

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:16 ID:D0hbdOIZJvIYkAGYsYEerXzieIX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:49.3

Plate Offsets (2	[2:0-3-0,Edge], X, Y): [26:0-3-12,Edge	[3:0-3-0,Edge], [11: e], [27:0-5-8,Edge],	:0-3-0,Edg [31:0-1-8,	e], [15:0-4-8,E 0-0-8], [32:0-1-	agej, [17:0-1-8,Eag 8,0-0-8]	jej, [20:0)-3-0,Eagej, [21:0-3-0	,Eagej,	22:0-4-8	s,Eage], [23:0-3-0,Eage	, [24:0-1-8,Eage],	
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.82 0.64 0.83	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.18 -0.31 0.02	(loc) 21-22 21-22 19	l/defl >999 >660 n/a	L/d 480 240 n/a	PLATES MT20 Weight: 217 lb	GRIP 244/190 FT = 20%F, 11%I	E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(f SP No.2(flat) 2x4 SP No.3(flat) *Ex (flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 26- (size) 19=0-3-8,	lat) *Except* 30-25 ccept* 24-9:2x4 SP athing directly applie cept end verticals. applied or 10-0-0 or 27,24-26,23-24. 26=0-3-8, 30=0-3-8	1) :2x4 2) 3) No.2 4) ed or 5) c 3 6)	Unbalanced this design. All plates an This truss is International R802.10.2 a Load case(s designer mu correct for th Recommend 10-00-00 oc (0.131" X 3" at their oute CAUTION, I	floor live loads have e 3x6 MT20 unless designed in accorr I Residential Code ind referenced star) 1, 3 has/have bee ist review loads to the intended use of d 2x6 strongbacks, and fastened to ea) nails. Strongback r ends or restrained	ve been otherwid dance w sections dard AN en modif verify that this trus on edge ach truss (s to be d by othe ackware	considered for se indicated. ith the 2018 i R502.11.1 a ISJ/TPI 1. ied. Building at they are s. s. paced at s. with 3-10d attached to w er means. ds.	or and valls						
F ORCES TOP CHORD	Max Grav 19=1030 (30=552 (L (lb) - Maximum Comp Tension 1-30=-130/2, 18-19= 2-3=-1079/0, 3-5=-13 6.8=-0/3832 8.9=-0/3	LC 10), 26=2778 (L C 5) pression/Maximum -45/63, 1-2=-7/0, 377/252, 5-6=-1377, 832, 9-10=-1355/28	-C 4), L 1) 7/252,	DAD CASE(S) Dead + Flo Plate Incre Uniform Lo Vert: 19- Concentrat Vert: 5=-	Standard or Live (balanced): ase=1.00 ads (lb/ft) -30=-10, 1-18=-100 ed Loads (lb) -482, 15=-482	: Lumbe	r Increase=1.	00,						
BOT CHORD	10-11=-1355/195, 11 13-15=-4570/0, 15-11 16-17=-2740/0, 17-11 29-30=0/1079, 28-29 26-27=-1912/0, 24-21 23-24=-195/1355, 22 21-22=0/4640, 20-21	-13=-1355/195, 6=-2740/0, 8=0/0 I=0/1079, 27-28=0/ ⁻ 6=-1329/0, -23=0/3134, =0/2740, 19-20=0/ ²	3; 1079, 2740	Dead + Ro Plate Incre Uniform Lo Vert: 19- Concentrat Vert: 5=-	of Live (balanced): ase=0.90 Plt. meta ads (lb/ft) -30=-10, 1-18=-20 ted Loads (lb) -964, 15=-964	Lumbei I=0.90	Increase=0.9	90,			And	OF FESS	ROUNT	
WEBS	3-27=-462/368, 2-30 3-28=-36/33, 6-27=0/ 9-24=0/2212, 10-24= 17-19=-2965/0, 16-2 5-27=-1109/0, 8-26= 6-26=-2395/0, 15-21: 13-23=-2404/0, 13-22	1168/0, 2-29=0/6 /2858, 9-26=-2986/ -808/0, 11-23=0/49 1=0/242, 17-20=0/5 -334/0, 15-22=-445 2052/0, 2=0/1674	9, 9, 91, 567, 5/0,							1111111		SEA 2822	ER.	
NOTES												GAN	GLIN	

NOTES

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

February 23,2024

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F3A	Floor	4	1	Job Reference (optional)	163796489

2-6-0

0-10-8

+ 0-1-8

Н

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:18 ID:wiuFqYtLXueM2dhKyB1vhGziet6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1-9-13 0-2-0 ∦ 1-9-13

1-8-12

1-8-12



Page: 1



Scale = 1:48.8

Plate Offsets ((X, Y): [2:0-1-8,Edge],	[3:0-1-8,Edge], [18:E	dge,0-1-8	8], [21:0-1-8,Ed	dge], [22:0-1-8,Edge	e], [24:0)-3-12,Edge],	[25:0-5-	0,Edge]				
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 NO IRC2018	8/TPI2014	CSI TC BC WB Matrix-MSH	0.96 0.84 0.88	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.19 0.02	(loc) 25-26 25-26 19	l/defl >999 >693 n/a	L/d 480 240 n/a	PLATES MT20 MT20HS Weight: 168 lb	GRIP 244/190 187/143 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.1(flat) *E: No.2(flat) 2x4 SP No.1(flat) *E: No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, exi Rigid ceiling directly bracing. (size) 18= Mech 24=0-3-8, Max Uplift 18=-794 (Max Grav 18=-153 (24=2681 (lb) - Maximum Com	xcept* 11-17:2x4 SP xcept* 23-18:2x4 SP athing directly applied cept end verticals. applied or 6-0-0 oc hanical, 19=0-5-8, 28=0-3-8 LC 16) LC 7), 19=2445 (LC 1 (LC 13), 28=694 (LC - pression/Maximum	1) 2) 3) 4) 5) d or 6) 7) 8) 14), 15)	Unbalanced this design. All plates are All plates are Refer to gird Provide mec bearing plate joint 18. This truss is International R802.10.2 a Load case(s designer mu correct for th Recommenc 10-00-00 cc (0.131" X 3", at their outer	floor live loads have e MT20 plates unless a 3x5 MT20 unless ler(s) for truss to tru shanical connection e capable of withsta designed in accord Residential Code s nd referenced stand) 1, 3 has/have bee st review loads to v he intended use of tt d 2x6 strongbacks, of and fastened to ea) and fastened to ea) nails. Strongbacks	e been ss other otherwi ss conr (by oth nding 7 ance w sections dard AN n modifi erify this sis truss on edge ch truss s to be by othe	considered fo wise indicated se indicated. ections. ers) of truss to 94 lb uplift at ith the 2018 ; R502.11.1 at SIJ/TPI 1. ïed. Building at they are s. e, spaced at with 3-10d attached to wa er means.	r d. o nd alls					
TOP CHORD BOT CHORD WEBS NOTES	Tension 1-28=-103/14, 17-18 2-3=-1482/0, 3-4=-2 5-7=0/3269, 7-8=0/3 9-10=-711/458, 10-1 12-13=-2021/0, 13-1 14-15=0/2008, 15-11 27-28=0/1482, 26-27 24-25=-1043/0, 22-2 24-25=-1043/0, 22-2 21-22=-458/711, 20- 18-19=-934/0 4-25=-1547/0, 7-24= 15-19=-262/0, 3-25= 2-27=0/259, 3-26=-2 5-24=-2715/0, 12-20 12-21=-1438/0, 8-22 10-21=0/514, 16-18= 14-19=-3178/0, 14-2	A=-61/0, 1-2=-5/1, 259/0, 4-5=-2259/0, 3269, 8-9=-657/513, 12=-711/458, 14=-2021/0, 6=0/2008, 16-17=0/0 7=0/1482, 25-26=0/14 24=-1463/0, -21=0/1465, 19-20=0/ -254/0, 13-20=-1458, 90/971, 2-28=-1622/0, 322/0, 5-25=0/3254, 326/0, 5-25=0/3254, 326/0, 5-25=0/3254, 20/1078, 8-24=-2271 2=0/1486, 9-22=-704/0 =0/1244, 16-19=-1423 20=0/1647	482, (899, (0, , (0, 0, 3/0,	DAD CASE(5) Dead + Flo Plate Increa Uniform Lo Vert: 18- Concentrat Vert: 4=- Dead + Ro Plate Increa Uniform Lo Vert: 18- Concentrat Vert: 4=-	Standard or Live (balanced): ase=1.00 ads (lb/ft) 28=-10, 1-17=-100 ed Loads (lb) -720, 13=-720 of Live (balanced): 1 ase=0.90 Plt. metal- ads (lb/ft) 28=-10, 1-17=-20 ed Loads (lb) -1440, 13=-1440	Lumber =0.90	r Increase=1.(Increase=0.9	90,		. antitution .	and the second second	SEA 2822	ROLL B B B C L U U U U U U U

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

February 23,2024



Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F3GE	Floor Supported Gable	1	1	Job Reference (optional)	163796490

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:19 ID:juSqrghp9Hr2rpLYrgHSr5zievx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:48.8

Loading	(psf)	Spacing	2-0-0		CSI	-	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00		тс	0.11	Vert(LL)	n/a	-	n/a	999	МТ20	244/190	
TCDI	10.0	Lumber DOI	1 00		BC	0.01	Vert(TL)	n/a	-	n/a	999	-		
BCU	0.0	Ren Stress Incr	NO		WB	0.07	Horiz(TL)	0.00	24	n/a	n/a	1		
BCDI	5.0	Codo	10020	19/1012014	Motrix MP	0.07	110112(112)	0.00	24	n/a	n/a	Woight: 129 lb	ET - 200/E 110/	/ =
BCDL	5.0	Code	IKC20	10/11/2014	IVIAULA-IVIN							weight. 120 it.	FT = 20 /6F, TT/6	0
	Over CD No Office)		E	BOT CHORD	45-46=0/9, 44-45	=0/9, 43-	44=0/9, 42-43	B=0/9,	3) De	ad + Ro	of Live	e (balanced): Lu	mber Increase=0.90	0,
	2x4 SP No.2(IIat)				27 29_0/0 26 27	-0/9,39-	40=0/9, 30-39	=0/9, I_0/0	FIC	ate incre		1.90 FIL IIIELAI=C	.90	
	2x4 SP No.2(IIat)				22 22 - 0/0 21 22	-0/0, 34-0	30-0/3, 33-34	-0/3, -0/0	01	Mort: 24	16 1	0 1 22 20		
WEBS	2x4 SP No.3(IIat)				28-20-0/0 27-28	-0/9, 30-	27-0/9, 25-30	S=0/9,	0.		-40=-i	0, 1-23=-20		
OTHERS	2x4 SP No.3(flat)				20-23=0/3, 21-20	-0/3, 20-2	27-0/3, 23-20	-0/3,		ncentra				
BRACING			1	VERS	6-41707/0 18-	20707/0	2-45130/0	h		vert: 6=	-773,	18=-773		
TOP CHORD	Structural wood she	eathing directly applie	ed or '	WEB3	244 = 124/0, 10-2	29=-191/0	5 42- 125/0	Ј,						
	6-0-0 oc purlins, ex	cept end verticals.			7 40 142/0 9 20	3 = -135/0, 121/0	5-42 = -125/0,							
BOT CHORD	Rigid ceiling directly	y applied or 10-0-0 or	>		1-40=-142/0, 0-3	26 122	9-30=-134/0,	2/0						
	bracing.				10-37=-133/0, 11	-30=-133	/0, 13-34=-13	3/0, 7/0						
REACTIONS	(size) 24=28-0-	8, 25=28-0-8, 26=28	-0-8,		14-33=-134/0, 15	20- 147	/0, 10-31=-13	0/0						
	27=28-0-	8, 28=28-0-8, 29=28	-0-8,		21 26 125/0 22	20=-147	/0, 20-27=-12 /0	9/0,						
	30=28-0-	8, 31=28-0-8, 32=28	-0-8,		21-20=-135/0, 22	-20=-133/	10							
	33=28-0-	8, 34=28-0-8, 36=28	-0-8, I	NOTES										
	37=28-0-	8, 38=28-0-8, 39=28	-0-8, ´	I) Unbalance	d floor live loads ha	ave been	considered fo	or						
	40=28-0-	8, 41=28-0-8, 42=28	-0-8,	this design										
	43=28-0-	8, 44=28-0-8, 45=28	-0-8,	 All plates a 	re 1.5x3 M120 unl	ess other	wise indicated	J.						
	46=28-0-	·8		 Gable requ 	ires continuous bo	ttom chor	d bearing.							
	Max Grav 24=64 (L	.C 1), 25=146 (LC 1),	4	 I russ to be 	fully sheathed from	m one fac	e or securely							
	26=148 (LC 1), 27=142 (LC 1),	braced aga	unst lateral movem	ent (i.e. d	liagonal web).							
	28=162 (LC 1), 29=811 (LC 3), 5	 Gable stud 	s spaced at 1-4-0	DC.								
	30=130 (LC 1), 31=150 (LC 1), 6	This truss i	s designed in acco	rdance w	ith the 2018							
	32=146 (LC 1), 33=147 (LC 1),	Internation	al Residential Code	e sections	s R502.11.1 a	nd						
	34=147 (LC 1), 36=147 (LC 1), _	R802.10.2	and referenced sta	andard AN	NSI/TPL1.					minin	in the second se	
	37=146 (LC 1), 38=147 (LC 1), '	Load case(s) 1, 3 has/have b	een modil	fied. Building					WH CI	AROUN	
	39=144 (LC 1), 40=156 (LC 1),	designer m	lust review loads to	verify the	at they are					201	······································	
	41=810 (LC 3), 42=138 (LC 1),	correct for	the intended use o	t this trus	S.				S.	OV FESS	SICHAR	
	43=148 (LC 1), 44=147 (LC 1), 8	3) Recommer	10 2x6 strongbacks	s, on edge	e, spaced at				: <	NANPX -	4477 -	
	45=143 (LC 1), 46=57 (LC 1)		10-00-00 0	c and fastened to e	each truss	s with 3-10d							2
FORCES	(lb) - Maximum Cor	npression/Maximum		(0.131° X 3) nalis. Strongba	CKS TO DE	attached to w	alis		-			a 11	=
	Tension		,	at their out	er ends or restraine	ed by othe	er means.					SE/	AL :	Ξ.
TOP CHORD	1-46=-51/0, 23-24=	-59/0, 1-2=-9/0, 2-3=	-9/0, `) CAUTION,	Do not erect truss	Dackward	JS.				:	202	20 :	=
	3-4=-9/0, 4-5=-9/0,	5-6=-9/0, 6-7=-9/0,	I	OAD CASE(S	 Standard 					=		202	20	2
	7-8=-9/0, 8-9=-9/0,	9-10=-9/0, 10-11=-9/	0, ´	 Dead + Fl 	oor Live (balanced	I): Lumbe	r Increase=1.0	00,		-		N		-
	11-13=-9/0, 13-14=	-9/0, 14-15=-9/0,		Plate Incr	ease=1.00						2	·	.a.i . 5	21
	15-16=-9/0, 16-17=	-9/0, 17-18=-9/0,		Uniform L	oads (lb/ft)						1	VGIN	FE!!	
	18-19=-9/0, 19-20=	-9/0, 20-21=-9/0,		Vert: 24	4-46=-10, 1-23=-10	00					11	+/		
	21-22=-9/0, 22-23=	-9/0		Concentra	ated Loads (lb)							1, EGAL	NG L'IN	
				Vert: 6=	=-386, 18=-386							11111	in the second se	
												Februa	y 23,2024	

A MITEK Atfiliate

A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall
building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing
is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the
fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org)
and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F4	Floor	26	1	Job Reference (optional)	163796491

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:21 ID:wkGnMnucDOJ5j5z8c76Y6Dzittg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:46.8

Plate Offsets (X, Y): [19:0-3-0,Edge], [25:0-1-8,0-0-8], [26:0-1-8,0-0-8]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC2018	3/TPI2014	CSI TC BC WB Matrix-MSH	0.11 0.27 0.92	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.19 -0.33 0.05	(loc) 19 19 15	l/defl >999 >970 n/a	L/d 480 240 n/a	PLATES MT20 MT20HS Weight: 227 lb	GRIP 244/190 187/143 FT = 20%F, 11%	E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalance this design 2) All plates a 3) All plates a 3) All plates a	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, exi Rigid ceiling directly bracing. (size) 15=0-5-8, Max Grav 15=1244 ((lb) - Maximum Com Tension 1-24=-69/0, 14-15=- 2-3=-3516/0, 3-4=-3 5-7=-4767/0, 7-8=-4 10-11=-4771/0, 11-1 23-24=0/1872, 22-2 19-20=0/4921, 17-19 15-16=0/1872 3-23=-554/0, 12-16= 4-23=-935/0, 11-17= 10-17=-184/0, 5-22= 7-22=-409/164, 7-20 13-15=-2200/0, 13-1 2-23=0/1930 ed floor live loads have are MT20 plates unless are 3x6 MT20 unless c is designed in accorda	flat) flat) flat) flat) flat) athing directly applie cept end verticals. applied or 10-0-0 oc 24=0-5-8 (LC 1), 24=1244 (LC pression/Maximum 70/0, 1-2=0/0, 516/0, 4-5=-4767/0, 921/0, 8-10=-4771/0, 2=-3517/0, 4=0/0 3=0/4298, 20-22=0/4 9=0/4921, 16-17=0/4 2=-555/0, 11-16=-934// 0:556, 4-22=0/551, 1-775/0, 8-17=-409/1)=-82/103, 8-19=-93// 6=0/1930, 2-24=-220 9 been considered for s otherwise indicated therwise indicated. ance with the 2018 extinos R502 11 1 an	5) 6) d or 7) LO 1) 1) 921, 298, 298, 298, 298, 298, 298, 298, 20, 76, 39, 11/0,	Load case(s) designer mus correct for th Recommend 10-00-00 cc (0.131" X 3") at their outer CAUTION, D PAD CASE(S) Dead + Flor Plate Increas Uniform Loa Vert: 15- Concentratu Vert: 3=- Dead + Roo Plate Increas Uniform Loa Vert: 15- Concentratu Vert: 3=-	1, 3 has/have bee st review loads to v e intended use of t 2x6 strongbacks, i and fastened to ea nails. Strongback ends or restrained o not erect truss bi Standard or Live (balanced): ads (lb/ft) 24=-7, 1-14=-67 ed Loads (lb) 280, 12=-280 of Live (balanced): ase=0.90 Plt. metal ads (lb/ft) 24=-7, 1-14=-13 ed Loads (lb) 480, 12=-480	Lumber =0.90	ied. Building at they are s. e, spaced at s with 3-10d attached to w ds. r Increase=1. Increase=0.9	'alls 00, 90,			ALL	SEA 2822	ROUL B	
R802.10.2	and referenced stand	ard ANSI/TPI 1.									1	EGAN	GLIM	

- All plates are MT20 plates unless otherwise indicated. 2)
- 3) All plates are 3x6 MT20 unless otherwise indicated.
- 4) This truss is designed in accordance with the 2018
- International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



818 Soundside Road Edenton, NC 27932

February 23,2024

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F4GE	Floor Supported Gable	1	1	Job Reference (optional)	163796492

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:21 ID:3xqznL6P6cN7ADTJq3uT0ozitqp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:46.8

Loading		(psf)	Spacing	1-4-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL		40.0	Plate Grip DOL	1.00		TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL		10.0	Lumber DOL	1.00		BC	0.01	Vert(TL)	n/a	-	n/a	999			
BCLL		0.0	Rep Stress Incr	NO		WB	0.07	Horiz(TL)	0.00	23	n/a	n/a			
BCDL		5.0	Code	IRC20	18/TPI2014	Matrix-MR							Weight: 133 lb	FT = 20%F, 11%	E
						12 11 0/1 12 12	0/4 44	12 0/4 40 44	0/4		Vant. 00	44 -	<u> </u>		
		a O(flat)			SULCHORD	43-44=0/4, 42-43= 20 40_0/4 28 20_	0/4,41-4	42=0/4,40-41	=0/4,	0	ven: 23	-44=- <i>i</i>	, I-22=-13		
	2X4 SP N	IO.2(flat)				39-40=0/4, 30-39= 25 26_0/4 22 25_1	0/4, 37-	30=0/4, 30-37 22_0/4 21 22	=0/4, -0/4	Co	ncentra				
	2X4 SP N	10.2(flat)				30-31-0/4, 33-33-	0/4, 32-	20-0/4, 31-32 20-0/1 27-28	-0/4, -0/4		ven: 5=	-200,	18=-200		
	2X4 SF N	IO.3(IIat)				26-27=0/4, 25-26=	0/4,201 0/4 24-1	25=0/4,27 20	=0/4, =0/4						
DINERS	284 SP N	10.3(IIat)		١	NEBS	2-43=-87/0 3-42=-	89/0 4-	41=-90/0	-0/1						
	0		a dh far an alfan a dh e ann a lfar	- -		5-40=-306/0. 6-39=	=-90/0.7	'-38=-88/0.							
TOP CHORD	Structura	I wood shea	athing directly applie	d or		8-37=-89/0. 9-36=-	89/0.10)-35=-89/0.							
	6-0-0 OC	punins, exc	cept end venticals.			11-33=-89/0, 13-32	2=-89/0,	14-31=-89/0,							
BUICHURD	kigia celi	ing arecuy	applied of 10-0-0 oc			15-30=-89/0, 16-29	=-88/0,	17-28=-90/0,							
	bracing.			• •		18-27=-306/0, 19-2	26=-90/0	, 20-25=-89/0),						
REACTIONS	(size)	23=20-8-0), 24=26-8-0, 25=26-	8-0,		21-24=-87/0									
		20=20-0-0), 21=20-0-0, 20=20-	ο-0, ο Λ Ι	NOTES										
		32-26-8-0), 30-20-0-0, 31-20-) 33-26-8-0 35-26-	8-0, .8-0	1) Unbalanced	floor live loads hav	e been	considered fo	r						
		36=26-8-0) 37=26-8-0 38=26-	8-0	this design.										
		39=26-8-0), 40=26-8-0, 41=26-	8-0.	All plates are	e 1.5x3 MT20 unles	ss other	wise indicated	l.						
		42=26-8-0	, 43=26-8-0, 44=26-	8-0 3	 Gable requir 	es continuous botte	om chor	d bearing.							
	Max Grav	23=37 (LC	2 1), 24=95 (LC 1), 2	5=98 4	 Truss to be f 	ully sheathed from	one fac	e or securely							
		(LC 1), 26	=99 (LC 1), 27=315	(LC	braced agair	nst lateral moveme	nt (i.e. d	liagonal web).							
		4), 28=99	(LC 1), 29=97 (LC 1), t	Gable studs	spaced at 1-4-0 oc).								
		30=98 (LC	C 1), 31=98 (LC 1), 3	2=98 6	This truss is	designed in accord	dance w	ith the 2018							
		(LC 1), 33	=98 (LC 1), 35=98 (I	_C	International	Residential Code	sections	s R502.11.1 a	nd						
		1), 36=98	(LC 1), 37=98 (LC 1), _	R802.10.2 a	nd referenced stan	dard AN	NSI/TPI1.						• 197. S. C. L.	
		38=97 (LC	C 1), 39=99 (LC 1),		 Load case(s) 1, 3 has/have bee	en modi	ied. Building					, in the second	in the second se	
		40=315 (L	.C 4), 41=99 (LC 1),	4 07	correct for th	st review loads to v	bic truc	at they are					"TH CA	ROUL	
		42=98 (LC	51), 43=95 (LC 1), 4	4=37	Recomment	le intended use of i	on edge	s. s snaced at				1	R	A. Late	
	<i></i>	(LC 1)		,	10-00-00 oc	and fastened to ea	ich truse	with 3-10d				31	FESS	Dit Kn-	
FORCES	(lb) - Max	amum Com	pression/Maximum		(0 131" X 3"	nails Strongback	is to be	attached to wa	alls			5 5	KINAA	(KUN-	
	I ension	10 00 00 1		1/0	at their outer	ends or restrained	bv othe	er means.	ano						2
TOP CHORD	1-44=-34	/0, 22-23=-	34/0, 1-2=-4/0, 2-3=-	4/0, I	OAD CASE(S)	Standard							SEA	1 1 7	2
	3-4=-4/0, 7-84/0	4-3=-4/0, 5	-0=-4/0, 0-7=-4/0, 10-114/0 10-114/0	<u>-</u> ר	 Dead + Flo 	or Live (balanced).	Lumbe	r Increase=1 (00		=		JLA		-
	11-13=-4	/0 13-14=-4	4/0 14-15=-4/0	,	Plate Incre	ase=1.00	20	increace in	,				2822	28	-
	15-16=-4	/0,16-17=-4	4/0 17-18=-4/0		Uniform Lo	ads (lb/ft)								1 5	
	18-19=-4	/0. 19-20=-4	4/0. 20-21=-4/0.		Vert: 23-	44=-7, 1-22=-67						-	·	1 1 2	ě.
	21-22=-4	/0	,		Concentrat	ed Loads (lb)						2	·SNOW	EFR.	
					Vert: 5=-	155, 18=-155						11	+, GIN	5. W.N	
				3	3) Dead + Ro	of Live (balanced):	Lumber	Increase=0.9	90,				1, EGAN	GLUN	
					Plate Incre	ase=0.90 Plt. meta	l=0.90						MAN		
					Uniform Lo	ads (lb/ft)								111.	

February 23,2024

Page: 1

A MITEK Affiliate

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F5	Floor	6	1	Job Reference (optional)	163796493

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:22 ID:FIR7_jJxe2Svcu7qxftlkCziu1S-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:46.7

Plate Offsets (X, Y): [4:0-1-8,Edge],	[9:0-1-8,Edge], [10:0	0-1-8,Edg	e], [16:0-3-0,Eo	dge], [20:0-1-8,Edg	e]								
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.80 0.95 0.85	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.28 0.04	(loc) 15-16 15-16 14	l/defl >999 >539 n/a	L/d 480 240 n/a	PLATES MT20 Weight: 162 lb	GRIP 244/190 FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 14=0-3-8, Max Grav 14=854 (d	athing directly applie cept end verticals. applied or 10-0-0 oc 18=0-5-8, 23=0-5-8 0, 18=2032 (LC -	4 5 Led or 1	 Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, E CAUTION, E CAUTION, E Dead + Flo Plate Increa Uniform Lo Vert: 14- Concentrat Vert: 3 Dead + Pao 	I 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained bo not erect truss b Standard or Live (balanced): ase=1.00 ads (lb/ft) 23=-10, 1-13=-100 ed Loads (lb) 420, 11=-420 of Live (balanced):	on edge ich truss is to be I by othe ackward Lumbe	e, spaced at with 3-10d attached to w er means. is. r Increase=1.0	alls 00,						
FORCES	(Ib) - Maximum Com Tension	LC 9) npression/Maximum	3	Plate Increa Uniform Lo	ase=0.90 Plt. meta ads (lb/ft)	l=0.90	increase=0.s	<i>9</i> 0,						
TOP CHORD	1-23=-105/0, 13-14= 2-3=-3080/0, 3-4=-3 5-6=-2154/0, 6-7=0/ 9-10=-1502/0, 10-11 11-12=-2887/0, 12-1	103/0, 1-2=-5/0, 080/0, 4-5=-2154/0, 1379, 7-9=0/1379, 1=-2887/0, 13=0/0		Vert: 14- Concentrat Vert: 3=-	23=-10, 1-13=-20 ed Loads (lb) 720, 11=-720									
BOT CHORD	22-23=0/1770, 21-2 18-20=0/782, 17-18 15-16=0/1502, 14-1	2=0/2154, 20-21=0/2 =0/1502, 16-17=0/15 5=0/1668	2154, 602,									minin	1111	
WEBS	3-22=-914/0, 7-18=- 2-23=-1943/0, 2-22= 4-22=0/1164, 6-20=1 5-20=-418/0, 9-18=- 9-17=0/772, 10-16=- 12-15=0/1325	268/0, 11-15=-912/0 =0/1436, 6-18=-2232 0/1642, 4-21=-312/0 2681/0, 10-15=0/177 -723/0, 12-14=-1827	, /0, 76, /0,								A New York	A MA	DUAR	
NOTES 1) Unbalance this design 2) This truss Internation R802.10.2 3) Load case designer n correct for	ed floor live loads have is designed in accorda al Residential Code so and referenced stand e(s) 1, 3 has/have beer nust review loads to ve the intended use of th	e been considered fo ance with the 2018 ections R502.11.1 ar lard ANSI/TPI 1. n modified. Building prify that they are his truss.	r nd							THURSE.	ALL DE LE CALLER D	2822 +UEGAN	8 GLU 11111111111111111111111111111111111	

Febru February 23,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F5GE	Floor Supported Gable	1	1	Job Reference (optional)	163796494

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:23 ID:XEviZ3uYnEc?4JmAc_QBmAzix6F-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:46.7

Loading		(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL		40.0	Plate Grip DOL	1.00		TC	0.10	Vert(LL)	0.00	25	>999	480	MT20	244/190	
TCDL		10.0	Lumber DOL	1.00		BC	0.01	Vert(CT)	0.00	41-42	>999	240			
BCLL		0.0	Rep Stress Incr	NO		WB	0.03	Horz(CT)	0.00	24	n/a	n/a			
BCDL		5.0	Code	IRC20	18/TPI2014	Matrix-MR							Weight: 125 lb	FT = 20%F, 1	11%E
LUMBER TOP CHORD BOT CHORD	2x4 SP N 2x4 SP N	lo.2(flat)		Т	OP CHORD	1-46=-37/0, 23-24 3-4=-7/0, 4-5=-7/0 7-8=-7/0, 8-9=-7/0	4=-49/0, 1), 5-6=-7/), 9-10=-7	-2=-7/0, 2-3= 0, 6-7=-7/0, 7/0, 10-11=-7/	-7/0,	1) De Pl Ui	ead + Flo ate Incre	oor Live ase=1	e (balanced): Lun .00 p/ft)	nber Increase=	:1.00,
WEBS OTHERS	2x4 SP N 2x4 SP N	lo.3(flat) lo.3(flat)				11-12=-7/0, 12-14 15-16=-7/0, 16-17	4=-7/0, 14 7=-7/0, 17	-15=-7/0, -18=-7/0,		Co	Vert: 24 oncentra	-46=-1 ted Lo	0, 1-23=-100 ads (lb)		
BRACING						18-19=-7/0, 19-20)=-7/0, 20 37/0	-21=-7/0,		a) D	Vert: 6=	-225, 1	19=-225		0.00
TOP CHORD	Structura 6-0-0 oc	l wood shea purlins, exc	athing directly applied cept end verticals.	d or B	OT CHORD	45-46=0/7, 44-45: 41-42=0/7, 40-41:	=0/7, 43-4 =0/7, 39-4	14=0/7, 42-43 10=0/7, 38-39	=0/7, =0/7,	3) De Pl	ead + Ro ate Incre	of Live ase=0	e (balanced): Lun .90 Plt. metal=0.9	iber Increase=0 30	0.90,
BUICHURD	bracing.	ing airectly	applied of 10-0-0 oc			37-38=0/7, 36-37	=0/7, 34-3	36=0/7, 33-34	=0/7,	0	Vert: 24	-46=-1	0, 1-23=-20		
REACTIONS	(size)	24=25-10 26=25-10 30=25-10 32=25-10 32=25-10 37=25-10 37=25-10 41=25-10 43=25-10 45=25-10	$\begin{array}{l} 13, 25=25\cdot10\cdot13,\\ 13, 27=25\cdot10\cdot13,\\ 13, 29=25\cdot10\cdot13,\\ 13, 31=25\cdot10\cdot13,\\ 13, 33=25\cdot10\cdot13,\\ 13, 36=25\cdot10\cdot13,\\ 13, 38=25\cdot10\cdot13,\\ 13, 40=25\cdot10\cdot13,\\ 13, 42=25\cdot10\cdot13,\\ 13, 44=25\cdot10\cdot13,\\ 13, 44=0\cdot5\cdot8 \end{array}$	V	VEBS	32-33=0/7, 31-32: 28-29=0/7, 27-28: 24-25=0/7 2-45=-37/0, 6-41= 3-44=-104/0, 4-42 7-40=-125/0, 8-32 10-37=-133/0, 15: 17-30=-133/0, 18: 21-26=-132/0, 22:	=0/7, 30-3 =0/7, 26-2 =-453/0, 1 3=-136/0, 9=-135/0, -36=-133/ -32=-133/ -29=-125/ -25=-132/	11=0/7, 29-30 27=0/7, 25-26 9-28=-453/0, 5-42=-140/0, 9-38=-133/0, 0, 12-34=-13 0, 16-31=-13 0, 20-27=-14 0	⊨0/7, ≔0/7, 3/0, 3/0, 1/0,	C	oncentra Vert: 6=	ted Lo: -386, 1	ads (lb) 19=-386		
FORCES	(lb) - Max Tension	24=54 (LC 26=145 (L 28=466 (L 30=149 (L 32=147 (L 37=147 (L 37=147 (L 39=149 (L 41=466 (L 43=150 (L 45=36 (LC	(1), 25=147 (LC 1), C 1), 27=155 (LC 1), C 4), 29=137 (LC 1), C 1), 31=146 (LC 1), C 1), 33=147 (LC 1), C 1), 36=147 (LC 1), C 1), 38=146 (LC 1), C 1), 40=137 (LC 1), C 1), 40=137 (LC 1), C 1), 44=116 (LC 1), C 1), 46=44 (LC 1) pression/Maximum	2 33 4 5 6 7 8 8 L	 Onbalancet this design. All plates ar Truss to be braced agai Gable studs This truss is Internationa R802.10.2 a Load case(s designer mi correct for t Recommen 10-00-00 oc (0.131" X 3' at their oute CAUTION, OAD CASE(S) 	the 1.5x3 MT20 unle fully sheathed fror inst lateral movem is spaced at 1-4-0 or is designed in acco al Residential Code and referenced sta is 1, 3 has/have be ust review loads to he intended use of d 2x6 strongbacks and fastened to e ') nails. Strongbac or ends or restraine Do not erect truss) Standard	we been ess othen n one fac ent (i.e. d oc. rdance wi e sections indard AN een modif verify tha f this truss , on edge each truss cks to be ed by othe backwarc	vise indicated e or securely iagonal web). ith the 2018 R502.11.1 a ISI/TPI 1. ied. Building at they are s. s. spaced at with 3-10d attached to w or means. is.	nd alls		. antitution.	and the second second	SEA 2822	ROU HALF	annannannan.

February 23,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F6	Floor	3	1	Job Reference (optional)	163796495

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:24 ID:TaM9DGYMsJecglpLrUDLTtzif38-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:46

Plate Offsets ((X, Y): [10:0-1-8,Edge	e], [15:0-1-8,Edge], [2	20:0-1-8,Edge], [21:0-1	-8,Edge]	_							
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.73 0.64 0.56	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.23 0.03	(loc) 21-22 21-22 14	l/defl >999 >603 n/a	L/d 480 240 n/a	PLATES MT20 Weight: 132 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)		 5) Recomme 10-00-00 (0.131" X at their ou 6) CAUTION LOAD CASE(end 2x6 strongbacks foc and fastened to e 3") nails. Strongback ter ends or restraine , Do not erect truss S) Standard	s, on edge each truss cks to be ed by othe backward	e, spaced at s with 3-10d attached to w er means. ds.	valls					
TOP CHORD BOT CHORD	Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	eathing directly applie cept end verticals. applied or 6-0-0 oc	ed or									
REACTIONS	(size) 14= Mech 22=0-3-8 Max Grav 14=693 (l 22=562 (l	nanical, 18=0-3-8, LC 7), 18=1703 (LC LC 3)	1),									
FORCES	(lb) - Maximum Com Tension	npression/Maximum										
TOP CHORD	1-22=-98/0, 13-14=- 2-3=-1212/124, 3-4= 4-5=-1212/124, 5-6= 7-9=-1505/0, 9-10=- 11-12=-1804/0, 12-1	.105/0, 1-2=-5/0, =-1212/124, =0/1439, 6-7=0/1439 .1505/0, 10-11=-180 13=0/0	9, 4/0,									
BOT CHORD	21-22=0/959, 20-21 18-20=-588/574, 17 16-17=0/1804, 15-1	=-124/1212, -18=-199/513, 6=0/1804, 14-15=0/ [,]	1233								WTH CA	ROUL
WEBS NOTES	6-18=-287/0, 5-18=- 5-20=0/945, 2-21=-1 4-20=-323/0, 7-18=- 7-17=0/1169, 12-15 11-15=-193/0, 10-17	1496/0, 2-22=-1050 175/280, 3-21=-104/ 1786/0, 12-14=-135 =0/631, 9-17=-292/0 7=-579/0, 10-16=-72	/0, 74, 7/0, 0, /66							A.A.	SEA	Marty
1) Unbalance this design	ed floor live loads have n.	e been considered fo	or						1		2822	18 / E

2) All plates are 3x5 MT20 unless otherwise indicated.

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

4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcaccomponents.com)



Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F7	Floor	2	1	Job Reference (optional)	163796496

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:25 ID:2B5luovUajqHC?hzg8FgHVzif4_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:34

Plate Offsets (X, Y): [8:0-1-8,Edge], [9:0-1-8,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading		(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL		40.0	Plate Grip DOL	1.00	тс	0.53	Vert(LL)	-0.10	17-18	>999	480	MT20	244/190
TCDL		10.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.18	17-18	>767	240		
BCLL		0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.02	11	n/a	n/a		
BCDL		5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 95 lb	FT = 20%F. 11%E
												- 5	,
LUMBER				CAUTION, I	Do not erect truss ba	ackward	ds.						
TOP CHOP	RD 2x4 SP No.2	(flat)		LOAD CASE(S)	Standard								
BOT CHOP	RD 2x4 SP No.2	(flat)											
WEBS	2x4 SP No.3	(flat)											
OTHERS	2x4 SP No.3	(flat)											
BRACING													
TOP CHOP	RD Structural wo	ood shea	athing directly applie	ed or									
	6-0-0 oc purl	ins, exc	cept end verticals.										
BOT CHOP	Rigid ceiling bracing.	directly	applied or 6-0-0 oc										
REACTION	IS (size) 11	= Mecha	anical, 14=0-3-8,										
	Max Grav 11 18	=334 (L =608 (L	C 7), 14=1125 (LC C 10)	1),									
FORCES	(lb) - Maximu Tension	um Com	pression/Maximum										
ТОР СНО	RD 1-18=-100/0.	10-11=	-127/0. 1-2=-5/0.										
	2-3=-1435/0,	3-4=-14	435/0, 4-5=-1435/0,										
	5-7=0/511, 7	-8=0/51	1, 8-9=-444/59, 9-10	0=0/0									
BOT CHOP	RD 17-18=0/105	9, 16-17	/=0/1435, 14-16=0/9	917,									
	13-14=-59/44	44, 12-1	3=-59/444,										
	11-12=-59/44	44											116.
WEBS	7-14=-278/0,	5-14=-1	1287/0, 2-18=-1160/	/0,								IN CA	DUL
	5-16=0/680,	2-17=0/	420, 3-17=-148/0,									THUA	HOM
	4-16=-241/0,	8-14=-7	752/0, 9-11=-487/65	5,							5	A SESS	in Min
	8-13=0/106,	9-12=-7	0/2								:2	A DIA	Miltor -
NOTES												100	
1) Unbala	nced floor live loa	ds have	been considered fo	r						-			
this dea	sign.									=		SEA	L 1 1
All plat	es are 3x5 MT20 ι	unless o	therwise indicated.							=	:	2022	: =
3) Refer to	o girder(s) for trus	s to trus	s connections.							=		2022	•
 Inis tru 	iss is designed in	accorda	nce with the 2018							-			1 8
Interna	tional Residential	Code se	CTIONS R502.11.1 al	na						8	2	·	al S
5) Recom	u.∠ anu rererence mend 2v6 strongh	acke or	alu ANOI/IFI I.								1	VGINI	EFIN
10-00-0	0 oc and fastened	d to each	h truss with 3-10d								11	TUN	
(0 131"	X 3") nails Stron	ndhacke	to be attached to w	alls								1, GAN	GLIN
at their	outer ends or rest	trained b	by other means.									· · · · · · · · · ·	inne.

February 23,2024

Page: 1



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F7A	Floor	1	1	Job Reference (optional)	163796497

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:25 ID:QSQT60nmpEOhLI67yQRtJHziex6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:34

Plate Offsets (X, Y): [8:0-1-8,Edge], [17:0-1-8,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge]

						•••								
Loading		(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL		40.0	Plate Grip DOL	1.00		тс	0.50	Vert(LL)	-0.10	22-23	>999	480	MT20	244/190
TCDL		10.0	Lumber DOL	1.00		BC	0.55	Vert(CT)	-0.19	22-23	>748	240		
BCLL		0.0	Rep Stress Incr	YES		WB	0.37	Horz(CT)	0.02	19	n/a	n/a		
BCDL		5.0	Code	IRC201	8/TPI2014	Matrix-MSH							Weight: 100 lb	FT = 20%F, 11%E
				5)	N/A									
TOP CHORD	2x4 SP N	o 2(flat)		0)										
BOT CHORD	2x4 SP N	o 2(flat)												
WEBS	2x4 SP N	o 3(flat)												
OTHERS	2x4 SP N	o.3(flat)		6)	This truss is	designed in accor	dance w	ith the 2018						
BRACING		()			International	Residential Code	sections	R502.11.1 a	and					
TOP CHORD	Structural	wood she	athing directly applie	d or	R802.10.2 a	nd referenced star	ndard AN	ISI/TPI 1.						
	6-0-0 oc r	ourlins, ex	cept end verticals.	7)	Recommend	2x6 strongbacks,	on edge	e, spaced at						
BOT CHORD	Rigid ceili	ng directly	applied or 6-0-0 oc		10-00-00 oc	and fastened to ea	ach truss	with 3-10d						
	bracing.	5,			(0.131" X 3")	nails. Strongbac	ks to be	attached to v	walls					
REACTIONS	(size)	14=1-11-1	13, 15=1-11-13,	0)	at their outer	ends or restraine	d by othe	er means.						
	()	16=1-11-1	13, 19=0-3-8, 23=0-3	-8 8)	CAUTION, L		заскуаго	ls.						
	Max Uplift	16=-48 (L	C 3)	LC	DAD CASE(S)	Standard								
	Max Grav	14=40 (LC	C 10), 15=94 (LC 9),											
		16=348 (L	_C 7), 19=1135 (LC 1),										
		23=568 (L	_C 3)											
FORCES	(lb) - Max	imum Com	pression/Maximum											
	Tension													
TOP CHORD	1-23=-98/	0, 13-14=-	33/0, 1-2=-5/0,											
	2-3=-1244	4/0, 3-4=-1	244/0, 4-5=-1244/0,											
	5-7=0/704	4, 7-8=0/70	04, 8-9=-25/436,											
	9-10=-25/	436, 10-11	=0/0, 11-12=0/0,										minin	1111.
	12-13=0/0)		•									I'L'L CA	Pall
BOT CHORD	22-23=0/9	973, 21-22: 00/05 47 4	=0/1244, 19-21=0/61	8,								1	ar	10/14
	16 17 27	70/162 15	16-0/0 14 15-0/0									5.	OVEESS	h: N'a
WEBS	7-10216	3/0 11-16-	-10=0/0, 14-15=0/0 235/0 5-101333/(n								24	· KANAA	MAAT
WLD5	2-23106	5/0, 11-10- 55/0 5-21-	-233/0, 3-13-1353/0	σ,										1 2
	3-22=-112	2/0 4-21=-	-0/703, 2-22-0/334, 247/0 10-16=-178/3(07							-		054	
	8-19=-472	2/0 10-17=	-438/0 8-18=0/111	51,							=		SEA	L <u>1</u> E
	9-17=0/28	<u>-</u> /0, 10 11 36. 12-15≕	-102/0										2822	8
NOTES		-, -											2022	··· : : :
1) Unbalanc	ed floor live	loads have	been considered for									2	N	1 2
this desig	in.											2	· En	A. S
 All plates 	are 3x5 MT2	20 unless c	otherwise indicated.									21	LINGINI	
3) Truss to I	be fully sheat	thed from o	one face or securely									11	UFO	CIN N
braced ag	gainst lateral	movemen	t (i.e. diagonal web).										1, SGAN	Guin
4) Gable stu	ds spaced a	t 1-4-0 oc.	,										in the second se	ann.

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

February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F8	Floor	1	1	Job Reference (optional)	163796498

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:27 ID:6XSZvIgZ3tRzQ4kJ3ePD0Uzif4H-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:32.9

Plate Offsets (X, Y): [8:0-1-8,Edge], [9:0-1-8,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES		CSI TC BC WB	0.52 0.54 0.37	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.19 0.02	(loc) 17-18 17-18 11	l/defl >999 >755 n/a	L/d 480 240 n/a	PLATES MT20	GRIP 244/190	
BCDL	5.0	Code	IRC2018/T	PI2014	Matrix-MSH							Weight: 93 lb	FT = 20%F, 11%	,E
LUMBER TOP CHORD SOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	 2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood sheat 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (size) 11= Mech 18=0-3-8 Max Uplift 11=-32 (LI Max Grav 11=278 (L 18=580 (L 	athing directly applie cept end verticals. applied or 6-0-0 oc anical, 14=0-3-8, C 3) .C 7), 14=1154 (LC 1 C 10)	5) Ti In R 6) R 11 (0 d or 7) C LOAE	his truss is of ternational 802.10.2 ar ecommend 0-00-00 oc a 0.131" X 3") t their outer AUTION, D OCASE(S)	designed in accord Residential Code s d referenced stanc 2x6 strongbacks, c and fastened to ea nails. Strongbacks ends or restrained o not erect truss ba Standard	ance wi ections dard AN on edge ch truss s to be a by othe ackward	ith the 2018 R502.11.1 a ISI/TPI 1. e, spaced at s with 3-10d attached to w er means. Is.	und valls				<u>.</u>		
FORCES	(lb) - Maximum Com	pression/Maximum												
TOP CHORD	Tension 1-18=-98/0, 10-11=- 2-3=-1300/0, 3-4=-1 5-7=0/626, 7-8=0/62 9-10-0/0	121/0, 1-2=-5/0, 300/0, 4-5=-1300/0, 6, 8-9=-335/172,												
BOT CHORD	17-18=0/998, 16-17= 13-14=-172/335, 12- 11-12=-172/335	=0/1300, 14-16=0/70 13=-172/335,	6,									WITH CA	RO	
WEBS	7-14=-281/0, 5-14=- 5-16=0/707, 2-17=0/ 4-16=-250/0, 8-14=- 8-13=0/190, 9-12=-1	1321/0, 2-18=-1093/ 356, 3-17=-124/0, 778/0, 9-11=-368/18 61/21	0, 9,								A.A.	A FESS	WAR	0
NOTES												CEA	1 1 3	1
 Unbalance this desig All plates Refer to g Provide r bearing p 11. 	ed floor live loads have in. are 3x5 MT20 unless o girder(s) for truss to trus nechanical connection (late capable of withstar	been considered for therwise indicated. s connections. by others) of truss to iding 32 lb uplift at jo	r D Dint							1111W	ALL DE LE CALENDER	2822 +UEGAN	ER.	

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



818 Soundside Road Edenton, NC 27932

February 23,2024

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F9	Floor	2	1	Job Reference (optional)	163796499

1-8-0

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:27 ID:uMN?4LSii9wjVCPBUndrEOzif8R-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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

-													_
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC BC	0.44	DEFL Vert(LL)	in -0.15	(loc) 10-11	l/defl >999	L/d 480	PLATES MT20	GRIP 244/190	-
BCU	10.0	Rep Stress Incr	VES	WB	0.01	Horz(CT)	-0.21	0-11	>007 n/a	240 n/a			
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH	0.47	11012(01)	0.00	3	n/a	Π/a	Weight: 82 lb	FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS BRACING	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat)												-
TOP CHORD	Structural wood she 6-0-0 oc purlins, exe	athing directly applie cept end verticals.	ed or										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	2										
REACTIONS	(size) 9= Mecha Max Grav 9=830 (LC	nical, 14= Mechanic C 1), 14=830 (LC 1)	al										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-14=-105/0, 8-9=-1 2-3=-2375/0, 3-4=-2 5-6=-2395/0, 6-7=-2	06/0, 1-2=0/0, 375/0, 4-5=-2597/0, 395/0, 7-8=0/0											
BOT CHORD	13-14=0/1526, 12-13 10-11=0/2597, 9-10=	3=0/2597, 11-12=0/2 =0/1523	2597,										
WEBS	7-9=-1677/0, 2-14=- 2-13=0/938, 6-10=-2 5-10=-399/108, 4-13 5-11=-163/78	1680/0, 7-10=0/963, 266/0, 3-13=-224/0, 3=-420/81, 4-12=-85,	/167,										
NOTES											N''LL CA	D'''	
1) Unbalance	ed floor live loads have	been considered fo	r								iath	10/11	
this design	1.									5.	CLEESS	10: 11:	
 Refer to gii This truss i Internation R802.10.2 	rder(s) for truss to trus is designed in accorda al Residential Code so and referenced stand	s connections. ance with the 2018 ections R502.11.1 a ard ANSI/TPI 1.	nd								SEA	Vaila	
 Recomment 10-00-00 c (0.131" X 3 at their out 	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks ter ends or restrained	n edge, spaced at truss with 3-10d to be attached to w by other means	alls								2822	28	
LOAD CASE(S	s) Standard	-,								3	· SNOW	-cR. S	

CASE(S) Standa

EGANG LUNIN February 23,2024

Page: 1

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F10	Floor	5	1	Job Reference (optional)	163796500

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:28 ID:JCaZHBhF_IStvHw1f_X2czif87-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:28.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.81	Vert(LL)	-0.25	9-10	>719	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.31	9-10	>566	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 76 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.1(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	5-0-0 oc purlins, ex	cept end verticals.										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	C									
	bracing, Except:	10										
	2-2-0 oc bracing: 9-	10.										
REACTIONS	(SIZE) 8=0-3-8, 7	12=0-3-8										
		5 1), 12=814 (LC 1)										
FORCES	(Ib) - Maximum Com	pression/Maximum										
	1-12110/0 7-81	06/0 1-2-0/0										
	2-3=-2395/0 3-4=-2	395/0 4-5=-2346/0										
	5-6=-2346/0. 6-7=-5	/0										
BOT CHORD	11-12=0/1498, 10-1	1=0/2395, 9-10=0/23	395,									
	8-9=0/1487											
WEBS	6-8=-1631/0, 2-12=-	1649/0, 6-9=0/950,										
	2-11=0/1021, 5-9=-3	320/0, 3-11=-299/0,									minin	UIII.
	4-9=-410/207, 4-10=	=-155/26									I'' H CA	Rollin
NOTES											2	
1) Unbalance	ed floor live loads have	e been considered fo	or							3	C' FESS	Dir. A. S.
this design). io designed in seconde	an as with the 2010								: <		141.A -
2) This truss	is designed in accorda	ance with the 2018	nd							-		040
R802 10 2	and referenced stand	lard ANSI/TPI 1	nu						-		CEA	1 1 2
3) Recomme	nd 2x6 strongbacks o	in edge spaced at							=	:	SLA	- : :
10-00-00 0	oc and fastened to eac	ch truss with 3-10d									2822	28 : -
(0.131" X 3	3") nails. Strongbacks	to be attached to w	alls						-	1		1 3
at their out	ter ends or restrained	by other means.								-	·	1 1 2
4) CAUTION	, Do not erect truss ba	ickwards.								2	NOIN	EFR
LOAD CASE(Standard									11	+/	The War
											1, EGAN	GLIN
											11111	in the second se
											- COLUT	

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



February 23,2024

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F10A	Floor	1	1	Job Reference (optional)	163796501

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:29 ID:Yg5XbSbEtrR0y2JVBIrfjwzif8F-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:28.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.81	Vert(LL)	-0.25	9-10	>719	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.31	9-10	>566	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 76 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.1(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	5-0-0 oc purlins, ex	cept end verticals.										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	C									
	bracing, Except:	10										
	2-2-0 oc bracing: 9-	10.										
REACTIONS	(size) 8=0-3-8, 1	12= Mechanical										
	Max Grav 8=807 (LC	5 1), 12=814 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
		06/0 1 2 0/0										
TOP CHORD	2-3-2305/0 3-4-2	00/0, 1-2=0/0, 395/0 4-52346/0										
	5-6=-2346/0 6-7=-5											
BOT CHORD	11-12=0/1498, 10-1	/ 0 1=0/2395, 9-10=0/23	395.									
	8-9=0/1487	,	,									
WEBS	6-8=-1631/0, 2-12=-	1649/0, 6-9=0/950,										
	2-11=0/1021, 5-9=-3	320/0, 3-11=-299/0,										Un
	4-9=-410/207, 4-10=	-155/26									White CA	Dall
NOTES										1	101 FI	non'in
1) Unbalance	ed floor live loads have	e been considered fo	or							3.	OV. EESS	Idie Nº
this design	1.									24	MANA A	MAR -
2) Refer to gi	irder(s) for truss to trus	ss connections.								-		
3) This truss	is designed in accorda	ance with the 2018	ام ما								CEA	- 1 E
R802 10 2	and referenced stand		na						=		SEA	L <u>1</u> E
4) Recomme	nd 2x6 strongbacks o	in edge spaced at							=	:	2822	28 : =
10-00-00 0	oc and fastened to eac	ch truss with 3-10d										1 2
(0.131" X	3") nails. Strongbacks	to be attached to w	alls							-	N	1 8
at their out	ter ends or restrained l	by other means.								2	· SNOW	ER.
5) CAUTION	, Do not erect truss ba	ickwards.								11	+, GIN	5. W .N
LOAD CASE(S) Standard									1	EGAN	GLUN
											1111 AN	unin .
											- count	



February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F10GE	Floor Supported Gable	1	1	Job Reference (optional)	163796502

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:30 ID:4l3bywoG6lSlsVYa7f8PNIzif8?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:28.8

04-0 1 01

Plate Offsets ((X, Y): [25:	Eage,0-1-8	i]											
Loading TCLL TCDL BCLL BCDL		(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC20 ²	18/TPI2014	CSI TC BC WB Matrix-MR	0.09 0.03 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 68 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N No.2(flat) Structura 6-0-0 oc Rigid ceii bracing. (size) Max Grav	lo.2(flat) lo.2(flat) lo.3(flat) lo.3(flat) *E purlins, ex ling directly 14=15-0-4 23=15-0-4 23=15-0-4 23=15-0-4 14=83 (L 16=143 (L 18=146 (L 20=147 (L 22=146 (L 22=146 (L) 24=135 (L)	xcept* 14-26:2x4 SF athing directly applie cept end verticals. applied or 10-0-0 or 8, 15=15-0-8, 19=15 8, 24=15-0-8, 25=15 C 1), 15=160 (LC 1), LC 1), 21=147 (LC 1 LC 1), 21=147 (LC 1 LC 1), 23=150 (LC 1) LC 1), 25=69 (LC 1)	3 4 5 6 ed or c 7 -0-8, -0-8, -0-8, -0-8,),),),),	 Truss to be f braced again Gable studs This truss is International R802.10.2 and Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D OAD CASE(S) 	ully sheathed from ist lateral moveme spaced at 1-4-0 oc designed in accord Residential Code nd referenced stan 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained to not erect truss b Standard	one fac nt (i.e. d sections dard AN on edge cch truss s to be I by othe ackward	te or securely liagonal web). ith the 2018 5 R502.11.1 au ISI/TPI 1. e, spaced at s with 3-10d attached to war er means. ds.	nd alls					
FORCES	(lb) - Max Tension 1-25=-59 2-3=-14/(ximum Com 0/0, 13-14=0 0, 3-4=-14/0	npression/Maximum 0/16, 1-2=-14/0, 0, 4-5=-14/0, 5-6=-14	4/0,								N	TH CA	ROLIN
BOT CHORD	6-7=-14/0 10-11=-1 24-25=0/ 21-22=0/ 18-19=0/ 15-16=0/	0,7-0=-14/(4/0, 11-12= (14, 23-24=) (14, 20-21=) (14, 17-18=) (14, 14-15=)	-14/0, 12-13=-2/0 0/14, 22-23=0/14, 0/14, 19-20=0/14, 0/14, 16-17=0/14, 0/14, 16-17=0/14,	14/0,									SEA	L
WEBS NOTES	2-24=-12 5-21=-13 8-18=-13 11-15=-1	27/0, 3-23=- 33/0, 6-20=- 33/0, 9-17=- 43/0, 12-14	.135/0, 4-22=-133/0, 133/0, 7-19=-133/0, 134/0, 10-16=-131/(4=-95/0),							11 the		+UE	EEP.
 All plates Gable req 	are 1.5x3 M uires contin	IT20 unless nuous botto	s otherwise indicated m chord bearing.	d.									February	(23.2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor			
22080120-02	F11	Floor	2	1	Job Reference (optional)	163796503		

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:30 ID:HSB?wVQSSwFAscTEhgWIXZzif3J-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:27.7

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

Loading TCLL TCDL BCU	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI TC BC WB	0.62 0.92 0.43	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.15 -0.20 0.04	(loc) 9-10 9-10 8	l/defl >999 >846 n/a	L/d 480 240 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 74 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing, Except:	athing directly appli cept end verticals. applied or 10-0-0 o	ed or c			L						
REACTIONS	(size) 8= Mecha Max Grav 8=772 (LG	anical, 12= Mechanic C 1), 12=772 (LC 1)	cal									
FORCES	(lb) - Maximum Com Tension 1-12=-107/0, 7-8=-1 2-3=-2177/0, 3-4=-2	npression/Maximum 08/0, 1-2=0/0, 177/0, 4-5=-2162/0,										
BOT CHORD	5-6=-2162/0, 6-7=0/ 11-12=0/1406, 10-1 8-9=0/1400	0 1=0/2177, 9-10=0/2	177,									
WEBS	6-8=-1541/0, 2-12=- 2-11=0/867, 5-9=-29 4-9=-322/227 4-10=	1548/0, 6-9=0/843, 98/0, 3-11=-240/0, 149/19										
NOTES 1) Unbalanc this desig 2) Refer to (3) This truss Internatio R802.10. 4) Recomm 10-00-00 (0.131" X at their ou LOAD CASE	ed floor live loads have n. jirder(s) for truss to trus is designed in accorda nal Residential Code s 2 and referenced stand end 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks uter ends or restrained (S) Standard	e been considered for ance with the 2018 ections R502.11.1 a lard ANSI/TPI 1. In edge, spaced at th truss with 3-10d to be attached to w by other means.	or nd alls							and the second second	SEA 2822	EEP.

GANG

Page: 1

February 23,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor				
22080120-02	F12	Floor	8	1	Job Reference (optional)	163796504			

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:30 ID:j2o7T1xoHRz2JLStqBLDsqzif7p-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:27.6

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

Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0 Plate Grip DOL 1.00 TC 0.44 Vert(LL) -0.10 9-10 >999 480	MT20 244/190
TCDL 10.0 Lumber DOL 1.00 BC 0.57 Vert(CT) -0.18 9-10 >786 240	
BCLL 0.0 Rep Stress Incr YES WB 0.34 Horz(CT) 0.02 7 n/a n/a	
BCDL 5.0 Code IRC2018/TPI2014 Matrix-MSH	Weight: 61 lb FT = 20%F, 11%E
LIMBER	
IOP CHORD 2x4 SP No.2(flat)	
BOT CHORD 2x4 SP No.2(flat)	
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	
BRACING	
TOP CHORD Structural wood sheathing directly applied or	
6-0-0 oc purlins, except end verticals.	
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc	
bracing.	
REACTIONS (size) 7=0-5-8, 10=0-3-8	
Max Grav 7=642 (LC 1), 10=635 (LC 1)	
FORCES (Ib) - Maximum Compression/Maximum	
Tension	
TOP CHORD 1-10=-101/0, 6-7=-104/0, 1-2=-5/0,	
2-3=-1568/0, 3-4=-1568/0, 4-5=-1568/0,	
5-6=0/0	
BOT CHORD 9-10=0/1118, 8-9=0/1568, 7-8=0/1121	
WEBS 5-7=-1234/0, 2-10=-1226/0, 5-8=0/5/1,	
2-9=U/5/2, 3-9=-1/6/U, 4-8=-1/5/U	
NOTES	
1) Unbalanced floor live loads have been considered for	
Unis design.	TH UARO
2) This luss is designed in accordance with the 2010	Marcal Maria
R802102 and referenced teadard ANS/JCP11	AFESS PARASI

10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Page: 1

February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor			
22080120-02	F13	Floor	2	1	Job Reference (optional)	163796505		

I J DD Kererence (optional) Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:30 ID:WwjzEmKRLTFJuNshD_NtCtzif3R-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



11-7-8

Scale = 1:27.6

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.43 0.52 0.33	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.16 0.02	(loc) 9-10 9-10 7	l/defl >999 >878 n/a	L/d 480 240 n/a	PLATES MT20 Weight: 60 lb	GRIP 244/190 FT = 20%F, 11%	%Е
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalancee this design. 2) Refer to gir 3) This truss is Internation	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (size) 7= Mecha Max Grav 7=626 (LC (lb) - Maximum Com Tension 1-10=-101/0, 6-7=-11 2-3=-1500/0, 3-4=-13 5-6=0/0 9-10=0/1084, 8-9=0/ 5-7=-1196/0, 2-10=- 2-9=0/528, 3-9=-162 d floor live loads have der(s) for truss to trus s designed in accorda al Residential Code se	athing directly applie cept end verticals. applied or 10-0-0 oc nical, 10=0-3-8 C 1), 10=619 (LC 1) pression/Maximum 04/0, 1-2=-5/0, 500/0, 4-5=-1500/0, (1500, 7-8=0/1086 1188/0, 5-8=0/527, v/0, 4-8=-160/0 been considered for as connections. ance with the 2018 ections R502.11.1 ar	id or S							A	TH CA	ROLANA	
(802.10.2 4) Recommer 10-00-00 o (0.131" X 3 at their oute 5) CAUTION, LOAD CASE(S	and referenced stand nd 2x6 strongbacks, o c and fastened to eac ") nails. Strongbacks er ends or restrained I Do not erect truss ba) Standard	and ANSI/1P11. n edge, spaced at h truss with 3-10d to be attached to wa by other means. ckwards.	alls						CHILIN CONTRACT	A A A A A A A A A A A A A A A A A A A	SEA 2822 +UEGAN	ER.	WITHING .

February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor			
22080120-02	F14	Floor	8	1	Job Reference (optional)	163796506		

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:30 ID:RFwK8GGkwkNC2V03vMKYSWzif7O-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 2-6-0 0-4-8 0-1-8 Η 1.5x3 u 1.5x3 II 1.5x3 = 3x5 = 3x5 = 3x5 II 2 3 4 1 5 11 Î • 1-4-0 6 8 7 3x6 =1.5x3 u 3x6 =

> 8-7-8 8-7-8

3x5 =

Scale = 1:29.5

Plate Offsets (X, Y): [2:0-1-8,Edge], [7:0-1-8,Edge]

Loading FCLL FCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.42 0.41 0.23	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.12 0.01	(loc) 6-7 6-7 6	l/defl >999 >819 n/a	L/d 480 240 n/a	PLATES MT20 Weight: 47 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS DTHERS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)			•								
BRACING	Structural wood shea	athing directly applie	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	C									
REACTIONS	(size) 6= Mecha Max Grav 6=461 (LC	nical, 9=0-3-8 C 1), 9=454 (LC 1)										
ORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-9=-109/0, 5-6=-102 2-3=-777/0, 3-4=-772	2/0, 1-2=-6/0, 7/0, 4-5=0/0										
BOT CHORD WEBS	8-9=0/777, 7-8=0/77 4-6=-804/0, 2-9=-846 2-8=-71/92, 3-7=-8/4	7, 6-7=0/731 6/0, 4-7=-57/180, 3										
NOTES	,											
) Unbalance this desigr ?) Refer to gi 3) This truss Internation	Unbalanced floor live loads have been considered for this design. Refer to girder(s) for truss to truss connections. This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and											

R802.10.2 and referenced standard ANSI/TPI 1. 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Page: 1

February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor				
22080120-02	F15	Floor	5	1	Job Reference (optional)	163796507			

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:31 ID:LoYpw?BXw5st4hWa4AgIGZzif3c-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale	= 1:24.4	

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

Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI TC BC WB	0.48 0.31 0.17	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.05 0.01	(loc) 7-8 7-8 5	l/defl >999 >999 n/a	L/d 480 240 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 38 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 10-0-0 or	ed or c									
REACTIONS	(size) 5=0-3-8, 8 Max Grav 5=367 (L0	B= Mechanical C 1), 8=373 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD BOT CHORD WEBS	1-8=-122/0, 4-5=-11 3-4=-6/0 7-8=0/548, 6-7=0/54 3-5=-595/0, 2-8=-60 3-6=-29/74	9/0, 1-2=0/0, 2-3=-5 8, 5-6=0/548 1/0, 2-7=-31/72,	48/0,									
NOTES												
 Unbalance this design Refer to give 	ed floor live loads have n. irder(s) for truss to trus	e been considered fo	pr								WTH CA	Route

3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Page: 1

February 23,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F16	Floor	7	1	Job Reference (optional)	163796508

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:31 ID:NvaW7IVfSamWqQzjWrA?jXzif75-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



3x6 =

1-4-0





Scale = 1:28.3

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

													_
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI TC BC WB	0.42 0.21 0.12	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.02 0.00	(loc) 5-6 5-6 5	l/defl >999 >999 n/a	L/d 480 240 n/a	PLATES MT20	GRIP 244/190	
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 35 lb	FT = 20%F, 11%E	_
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood she 5-9-8 oc purlins, exe	athing directly applie	ed or										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	0										
REACTIONS	(size) 5= Mecha Max Grav 5=305 (LC	anical, 8= Mechanica C 1), 8=305 (LC 1)	al										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-8=-108/0, 4-5=-11	3/0, 1-2=0/0, 2-3=-4	11/0,										

WEBS

BOT CHORD

NOTES

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

7-8=0/411, 6-7=0/411, 5-6=0/411

3-5=-451/0, 2-8=-454/0, 2-7=-112/164,

Refer to girder(s) for truss to truss connections. 2)

3-4=0/0

3-6=-130/145

This truss is designed in accordance with the 2018 3) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



February 23,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and PCB Building Component Science Michael Component Advancement description (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F17GE	Floor Supported Gable	2	1	Job Reference (optional)	163796509

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:31 ID:uuRsDzs1hbCuaQ?jTwFpcZzif7v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:18.8

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MR	0.08 0.01 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 26 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 5-2-8 oc purlins, exc Rigid ceiling directly bracing.	athing directly applie sept end verticals. applied or 10-0-0 oc	d or									
REACTIONS	(size) 6=5-2-8, 7 9=5-2-8, 1 Max Grav 6=50 (LC (I C 1) 9=	7=5-2-8, 8=5-2-8, 0=5-2-8 1), 7=134 (LC 1), 8= 143 (I C 1), 10=56 (I	151									
FORCES	(lb) - Maximum Com Tension 1-10=-50/0 5-6=-44/	pression/Maximum)									
BOT CHORD WEBS	3-4=-8/0, 4-5=-8/0 9-10=0/8, 8-9=0/8, 7 2-9=-130/0, 3-8=-133	-8=0/8, 6-7=0/8 7/0, 4-7=-123/0	,									
NOTES 1) All plates a 2) Gable requ 3) Truss to be braced age 4) Gable stud 5) This truss i Internation R802.10.2 6) Recommet 10-00.00 c (0.131" X 3 at their out LOAD CASE(S	are 1.5x3 MT20 unless jires continuous bottor e fully sheathed from o ianst lateral movement is spaced at 1-4-0 oc. is designed in accorda al Residential Code se and referenced stand: nd 2x6 strongbacks, ou co and fastened to eac ser ends or restrained to b Standard	otherwise indicated in chord bearing. Ine face or securely (i.e. diagonal web). Ince with the 2018 ections R502.11.1 ar ard ANSI/TPI 1. In edge, spaced at h truss with 3-10d to be attached to wa by other means.	d							A STATE OF THE STA	SEAL	ROLUNIUM



Page: 1

February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F18GE	Floor Supported Gable	2	1	Job Reference (optional)	163796510

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:31

ID:40b0Wk?x6zbKP7LrckxOZuzif7k-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Carter Components (Sanford, NC), Sanford, NC - 27332,

0-1-8 0-1-8 1.5x3 = 1.5x3 🛚 1.5x3 u 1.5x3 u 1.5x3 = 1.5x3 u 1 2 34 6 3x5 = 3x5 = 1.5x3 u 3-0-0

-4-0

Scale = 1:24.6											-	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MR							Weight: 18 lb	FT = 20%F, 11%E
LUMBER												

3-0-0

TOP CHORD	2x4 SP N	o.2(flat)
BOT CHORD	2x4 SP N	o.2(flat)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	3-0-0 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	5=3-0-0, 6=3-0-0, 7=3-0-0
REACTIONS	(size) Max Grav	5=3-0-0, 6=3-0-0, 7=3-0-0 5=81 (LC 1), 6=148 (LC 1), 7=60
REACTIONS	(size) Max Grav	5=3-0-0, 6=3-0-0, 7=3-0-0 5=81 (LC 1), 6=148 (LC 1), 7=60 (LC 1)
REACTIONS FORCES	(size) Max Grav (lb) - Max	5=3-0-0, 6=3-0-0, 7=3-0-0 5=81 (LC 1), 6=148 (LC 1), 7=60 (LC 1) timum Compression/Maximum
REACTIONS	(size) Max Grav (lb) - Max Tension	5=3-0-0, 6=3-0-0, 7=3-0-0 5=81 (LC 1), 6=148 (LC 1), 7=60 (LC 1) timum Compression/Maximum
REACTIONS FORCES TOP CHORD	(size) Max Grav (lb) - Max Tension 1-7=-52/0	5=3-0-0, 6=3-0-0, 7=3-0-0 5=81 (LC 1), 6=148 (LC 1), 7=60 (LC 1) :timum Compression/Maximum 0, 4-5=0/19, 1-2=-13/0, 2-3=-13/0,
REACTIONS FORCES TOP CHORD	(size) Max Grav (lb) - Max Tension 1-7=-52/0 3-4=-3/0	5=3-0-0, 6=3-0-0, 7=3-0-0 5=81 (LC 1), 6=148 (LC 1), 7=60 (LC 1) timum Compression/Maximum 0, 4-5=0/19, 1-2=-13/0, 2-3=-13/0,
REACTIONS FORCES TOP CHORD BOT CHORD	(size) Max Grav (lb) - Max Tension 1-7=-52/0 3-4=-3/0 6-7=0/13	5=3-0-0, 6=3-0-0, 7=3-0-0 5=81 (LC 1), 6=148 (LC 1), 7=60 (LC 1) timum Compression/Maximum), 4-5=0/19, 1-2=-13/0, 2-3=-13/0, , 5-6=0/13

NOTES

1) Gable requires continuous bottom chord bearing.

Truss to be fully sheathed from one face or securely 2)

braced against lateral movement (i.e. diagonal web).

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

This truss is designed in accordance with the 2018 4) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

"munnaver" SEAL 28228 GANG mmm

February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and PCB Building Component Science Michael Component Advancement description (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932



Page: 1

Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F19GE	Floor Supported Gable	1	1	Job Reference (optional)	163796511

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:32 ID:dxE5cM_FhVh_QEvFzySMBOzifIn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:26.2												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MR							Weight: 15 lb	FT = 20%F, 11%E
LUMBER TOP CHORD	2x4 SP No.2(flat)											

BOT CHORD	2x4 SP N	o.2(flat)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura	wood sheathing directly applied or
	2-8-0 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4=2-8-0, 5=2-8-0, 6=2-8-0
	Max Grav	4=59 (LC 1), 5=136 (LC 1), 6=59
		(LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	Tension 1-6=-52/0	, 3-4=-52/0, 1-2=-10/0, 2-3=-10/0
TOP CHORD BOT CHORD	Tension 1-6=-52/0 5-6=0/10,	9, 3-4=-52/0, 1-2=-10/0, 2-3=-10/0 4-5=0/10

NOTES

1) Gable requires continuous bottom chord bearing.

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

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

- This truss is designed in accordance with the 2018 4) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

"monomental The second se SEAL 28228 GANG mmm

Page: 1

February 23,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and PCB Building Component Science Michael Component Advancement description (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Dalton-Dalton-2nd Floor	
22080120-02	F20GE	Floor Supported Gable	1	1	Job Reference (optional)	163796512

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 22 11:58:32 ID:vH9k4l3e2eZ?mJxbtw4?ztziflg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



3x6 =

3x5 II



3x6 =

1-4-0 1-4-0

Scale = 1:25.5

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

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										-	
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.08 0.01 0.00	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 12 lb	GRIP 244/190 FT = 20%F, 11%E
DODL	0.0	oode		Maurix Wi	-		-		-		Weight. 12 lb	11 = 20701, 1170E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood she 1-4-0 oc purlins, exi Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 10-0-0 or	ed or									
REACTIONS	(size) 3=1-4-0, 4 Max Grav 3=60 (LC	4=1-4-0 1). 4=60 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD BOT CHORD WEBS	1-4=-54/0, 2-3=-54/0 3-4=0/0 1-3=0/0	0, 1-2=0/0										
NOTES 1) Gable requ 2) Truss to braced aga 3) Gable stud 4) This truss i Internation R802.10.2 5) Recommer 10-00-00 o (0.131" X 3 at their out LOAD CASE(S)	uires continuous bottor a fully sheathed from co ainst lateral movement is spaced at 1-4-0 oc. is designed in accorda al Residential Code sr and referenced stand nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks er ends or restrained lo 5) Standard	m chord bearing. one face or securely t (i.e. diagonal web). ance with the 2018 ections R502.11.1 at lard ANSI/TPI 1. In edge, spaced at th truss with 3-10d to be attached to w by other means.	nd alls							and the second second	SEA 2822	EER-UU



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

