

Trenco 818 Soundside Rd Edenton, NC 27932

Re: MasterFloor

McKee - Winston - Lot 993 Academy Glen - Floor

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource-Apex,NC.

Pages or sheets covered by this seal: I43421090 thru I43421104

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

North Carolina COA: C-0844



October 30,2020

Fox, Steve

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

Job Truss Type McKee - Winston - Lot 993 Academy Glen - Floor Truss Qty I43421090 MASTERFLOOR F01 FLOOR 99 Job Reference (optional)

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:38 2020 Page 1 ID:jqCdRHbllruLU73l5XDfb5zc7xm-FdOd4c?Xp8usRGPzrw08yZhrYOLvW8RKtdD_7LyOWxx

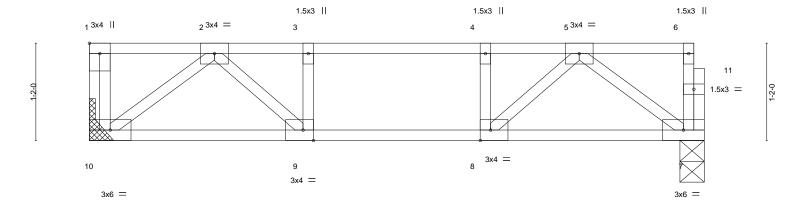
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

1-0-12 2-0-0 1-0-12 0-1-8

Scale = 1:13.8



7-4-8 7-4-8 Plata Offcate (V V) [1:Edgo 0 1 0] [0:0 1 0 Edgo] [0:0 1 0 Edgo]

Plate Oil	Plate Offsets (A, 1) [1.Euge,0-1-6], [6.0-1-6,Euge], [9.0-1-6,Euge]											
LOADIN	G (psf)	SPACING- 2-0-	-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL 1.0	00	TC	0.29	Vert(LL)	-0.02	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL 1.0	00	BC	0.25	Vert(CT)	-0.03	7-8	>999	360		
BCLL	0.0	Rep Stress Incr YE	S	WB	0.17	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014	1	Matri	x-S						Weight: 38 lb	FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (size) 10=Mechanical, 7=0-3-8

Max Grav 10=392(LC 1), 7=386(LC 1)

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

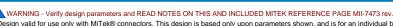
TOP CHORD 2-3=-640/0, 3-4=-640/0, 4-5=-640/0 **BOT CHORD** 9-10=0/423, 8-9=0/640, 7-8=0/421

WEBS 2-10=-531/0, 5-7=-524/0, 2-9=0/346, 5-8=0/347

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.



October 30,2020



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	McKee - Winston - Lot 993 Academy Glen - Floor	
					1434.	21091
MASTERFLOOR	F01G	FLOOR	99	1		
					Inh Reference (ontional)	

0-1-8

Apex, NC - 27523,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:38 2020 Page 1

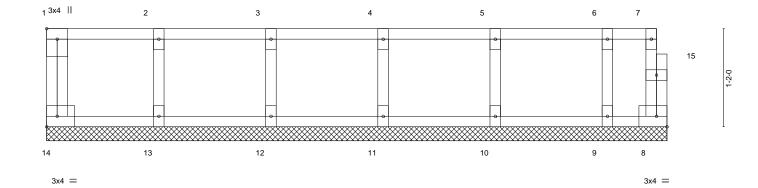
 $ID:jqCdRHbllruLU73I5XDfb5zc7xm-FdOd4c?Xp8usRGPzrw08yZhueOOVWAXKtdD_7LyOWxx$ 0-1-8

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

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

except end verticals.

Scale = 1:13.7



⊢			7-4-0						
DI + 0" + 0"	[4.5.10.4.0]		7-4-8						
Plate Offsets (X,Y)	[1:Edge,0-1-8]								
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in ((loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.09	Vert(LL)	n/a `	· -	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.02	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr NO	WB 0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R	` ′					Weight: 34 lb	FT = 20%F, 11%E
		L	L					1	

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 7-4-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES-

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job	Truss	Truss Type	Qty	Ply	McKee - Winston - Lot 993 Academy Glen - Floor	
					143421	1092
MASTERFLOOR	F02	FLOOR	99	1		
					Inh Reference (ontional)	- 1

Apex, NC - 27523,

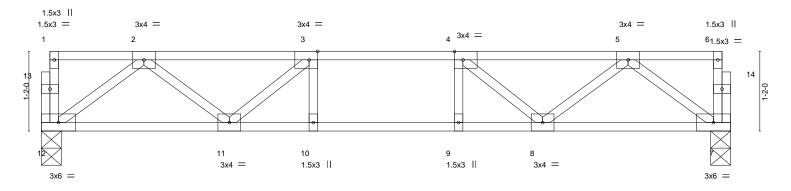
8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:39 2020 Page 1 $ID: jqCdRHbllruLU73I5XDfb5zc7xm-jpy?Hy09aS0j2Q_9PdXNVmE08ocMFa8T6HyYfnyOWxw$

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

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

except end verticals.





—		4-0-8	5-0			10-1-0		
		4-0-8	1-0)-0 ' 1-0-0	ı	4-0-8		<u>'</u>
Plate Offse	ets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge]						
LOADING	(psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc) I/defl	L/d P	PLATES GRIP	
TCLL	40.Ó	Plate Grip DOL 1.00	TC 0.30	Vert(LL)	-0.06 10-11 >999	480 N	MT20 244/190	
TCDL	10.0	Lumber DOL 1.00	BC 0.56	Vert(CT)	-0.07 10 >999	360		
BCLL	0.0	Rep Stress Incr YES	WB 0.20	Horz(CT)	0.01 7 n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014	Matrix-S	, ,		V	Veight: 51 lb FT = 2	20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (size) 12=0-3-8, 7=0-3-8

Max Grav 12=535(LC 1), 7=535(LC 1)

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

TOP CHORD 2-3=-967/0, 3-4=-1255/0, 4-5=-967/0

BOT CHORD 11-12=0/646, 10-11=0/1255, 9-10=0/1255, 8-9=0/1255, 7-8=0/646

WEBS 2-12=-807/0, 2-11=0/419, 3-11=-420/0, 5-7=-807/0, 5-8=0/419, 4-8=-420/0

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





Job Truss Type McKee - Winston - Lot 993 Academy Glen - Floor Truss Qty I43421093 MASTERFLOOR F02-1PL FLOOR 99 Job Reference (optional)

Builders FirstSource (Apex, NC),

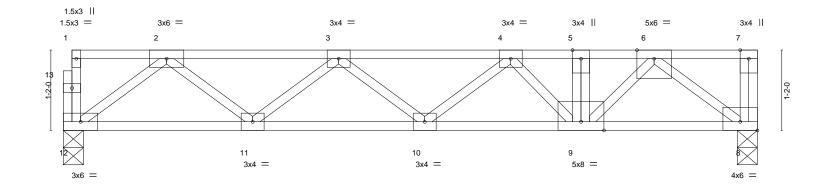
Apex, NC - 27523,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:40 2020 Page 1 $ID:jqCdRHbllruLU73I5XDfb5zc7xm-B0WOUH1nLm8agaZLyK2c2_m9lCun_wrdKxi5BEyOWxv\\$



0-10-12 0-11-4

Scale = 1:16.7



				7-6-4							2-6-12		
Plate Offs	ets (X,Y)	[8:Edge,0-1-8]											
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.ó	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.07	` 1Ó	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.09	10	>999	360			
BCLL	0.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.03	8	n/a	n/a			
BCDL	5.0	Code IRC2015/TF	PI2014	Matri	x-S	, ,					Weight: 55 lb	FT = 20%F, 11%E	

7-6-4

LUMBER-TOP CHORD

2x4 SP No.2(flat) 2x4 SP No.2(flat)

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

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) 12=0-3-8, 8=0-3-8

Max Grav 12=764(LC 1), 8=1238(LC 1)

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

TOP CHORD $2\hbox{-}3\hbox{--}1548/0,\ 3\hbox{-}4\hbox{--}2369/0,\ 4\hbox{-}5\hbox{--}2564/0,\ 5\hbox{-}6\hbox{--}2563/0}$ **BOT CHORD** 11-12=0/945, 10-11=0/2117, 9-10=0/2593, 8-9=0/1540 **WEBS**

5-9=-953/0, 2-12=-1182/0, 2-11=0/785, 3-11=-741/0, 3-10=0/328, 4-10=-292/0,

6-8=-1932/0, 6-9=0/1433

NOTES-

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 2) CAUTION. Do not erect truss backwards.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 8-12=-10, 1-7=-100

Concentrated Loads (lb) Vert: 5=-927



10-1-0

October 30,2020



Job Truss Type McKee - Winston - Lot 993 Academy Glen - Floor Truss Qty 143421094 MASTERFLOOR F03-1PL FLOOR 99 Job Reference (optional)

Builders FirstSource (Apex, NC),

Apex, NC - 27523,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:41 2020 Page 1 ID:jqCdRHbllruLU73I5XDfb5zc7xm-fC3mid2P63GRIk8XW2ZraBJMzcOnjVcmZbRekgyOWxu

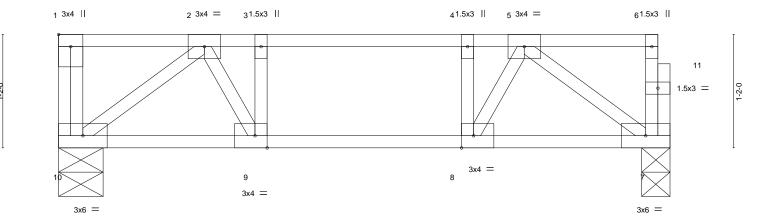
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

0-6-4 2-0-0 0-6-4 0-1-8

Scale = 1:11.9



6-3-8 6-3-8 [1:Edgo 0 1 9] [9:0 1 9 Edgo] [0:0 1 9 Edgo]

Plate Of	iseis (X, Y)	[1:Eage,0-1-8], [8:0-1-8,Eage], [9	0-1-8,Eagej						
LOADIN	IG (psf)	SPACING- 2-0-0	CSI.	DEFL . ir	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.Ó	Plate Grip DOL 1.00	TC 0.28	Vert(LL) -0.01	` <u>8</u>	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL 1.00	BC 0.18	Vert(CT) -0.02	8	>999	360		
BCLL	0.0	Rep Stress Incr NO	WB 0.14	Horz(CT) 0.00	7	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 34 lb	FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (size) 10=0-5-8, 7=0-3-8 Max Grav 10=1012(LC 1), 7=326(LC 1)

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

1-10=-740/0, 2-3=-453/0, 3-4=-453/0, 4-5=-453/0 **BOT CHORD** 9-10=0/349, 8-9=0/453, 7-8=0/346

WEBS 2-10=-437/0, 5-7=-430/0, 2-9=0/287, 5-8=0/289

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 7-10=-10, 1-6=-100

Concentrated Loads (lb) Vert: 1=-680



October 30,2020





Job	Truss	Truss Type	Qty	Ply	McKee - Winston - Lot 993 Academy Glen - Floor	
					I43421	1095
MASTERFLOOR	F03G	FLOOR	99	1		
					Inh Reference (ontional)	- 1

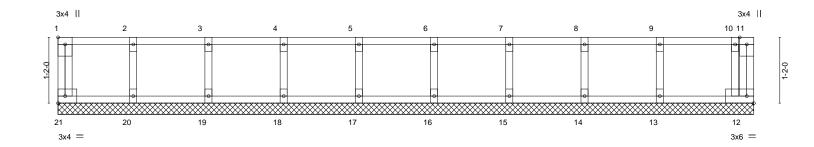
0-1-8

Apex, NC - 27523,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:42 2020 Page 1 ID:jqCdRHbllruLU73l5XDfb5zc7xm-7Od8vz21tNOlvujk4l447PsaZ?mMS_VvoFBCG6yOWxt

0-1-8

Scale = 1:20.4



12-4-0 12-4-0 Plate Offsets (X,Y) [1:Edge,0-1-8]									
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO	CSI. TC 0.10 BC 0.03 WB 0.03	DEFL. Vert(LL) Vert(CT) Horz(CT)	n/a n/a	oc) I/de - n/ - n/ 12 n/	a 999 a 999	PLATES MT20	GRIP 244/190	
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R	11012(01)	0.00	12 11/	u 11/u	Weight: 54 lb	FT = 20%F, 11%E	
LUMBER-	1		BRACING-				1		

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD**

2x4 SP No.2(flat) 2x4 SP No.3(flat) **WEBS**

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. All bearings 12-4-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 21, 12, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



October 30,2020



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Type McKee - Winston - Lot 993 Academy Glen - Floor Truss Qty 143421096 MASTERFLOOR F04 FLOOR 99 Job Reference (optional) Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:43 2020 Page 1 ID: jq CdRHb IIru LU73I5XDfb5zc7xm-bbBW7J3gehW9X2IweTbJfcOjAP4sBP030vwloZyOWxs0-1-8 1-3-0 0-3-8 0-3-8 Scale = 1:10.9 1.5x3 || 1 1.5x3 || 2 4x6 = 31.5x3 |5 4x6 = 6 3x4 II 11 1.5x3 = 4x6 = 9 8 4x6 =3x6 =3x6 =5-10-0 5-10-0 Plate Offsets (X,Y)--[8:0-1-8,Edge], [9:0-1-8,Edge] LOADING (psf) SPACING-CSI. DEFL. **PLATES** GRIP 2-0-0 in (loc) I/defI I/d TCLL 40.0 Plate Grip DOL 1.00 TC 0.23 Vert(LL) -0.01 >999 480 244/190 8 MT20 BC 360 TCDL 10.0 Lumber DOL 1.00 0.14 Vert(CT) -0.01 8 >999 BCLL 0.0 Rep Stress Incr YES WB 0.14 Horz(CT) 0.00 7 n/a n/a BCDL 5.0 Code IRC2015/TPI2014 Matrix-S Weight: 33 lb FT = 20%F, 11%E **BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 10=0-3-8, 7=Mechanical Max Grav 10=301(LC 1), 7=307(LC 1)

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

TOP CHORD $2-3=-383/0,\ 3-4=-383/0,\ 4-5=-383/0$ **BOT CHORD** 9-10=0/318, 8-9=0/383, 7-8=0/320

WEBS 2-10=-394/0, 5-7=-401/0, 2-9=0/301, 5-8=0/299, 3-9=-252/0, 4-8=-251/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.



Structural wood sheathing directly applied or 5-10-0 oc purlins,

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

except end verticals.



Job	Truss	Truss Type	Qty	Ply	McKee - Winston - Lot 993 Academy Glen - Floor	
MASTERFLOOR	F05-1PL	FLOOR	99	1		143421097
WASTERI LOOK	1 00-11 L	I LOOK	33	'	Job Reference (optional)	

1-3-0

Apex, NC - 27523,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:43 2020 Page 1 ID:jqCdRHbllruLU73l5XDfb5zc7xm-bbBW7J3gehW9X2lweTbJfcOgsPxgBJx30vwloZyOWxs

0-1-8

0-8-0

11-5-0

except end verticals.

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

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

Scale = 1:19.0

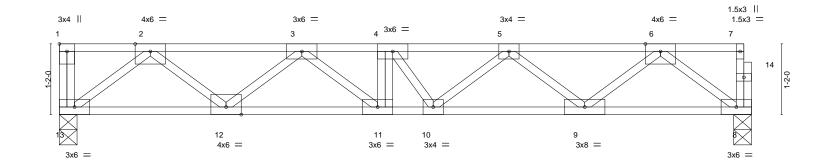


Plate Offsets (X,Y)	5-5-4 [1:Edge,0-1-8]		5-11-12					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.45 BC 0.73 WB 0.53 Matrix-S	DEFL. in (loc) l/defl L/d Vert(LL) -0.11 11 >999 480 Vert(CT) -0.14 11 >928 360 Horz(CT) 0.03 8 n/a n/a	PLATES GRIP MT20 244/190 Weight: 62 lb FT = 20%F, 11%E				

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.1(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (size) 13=0-3-8, 8=0-3-8

Max Grav 13=994(LC 1), 8=945(LC 1)

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

 $2\hbox{-}3\hbox{-}-2103/0,\,3\hbox{-}4\hbox{-}-3546/0,\,4\hbox{-}5\hbox{-}-3256/0,\,5\hbox{-}6\hbox{-}-1998/0$

BOT CHORD $12\text{-}13\text{=}0/1244,\ 11\text{-}12\text{=}0/2925,\ 10\text{-}11\text{=}0/3546,\ 9\text{-}10\text{=}0/2777,\ 8\text{-}9\text{=}0/1183$

5-5-4

WEBS 4-11=-461/0, 2-13=-1560/0, 2-12=0/1119, 3-12=-1070/0, 3-11=0/779, 6-8=-1482/0,

6-9=0/1060, 5-9=-1014/0, 5-10=0/623, 4-10=-480/0

NOTES-

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 2) CAUTION. Do not erect truss backwards.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 8-13=-10, 1-7=-100

Concentrated Loads (lb) Vert: 4=-716



October 30,2020





Job Truss Type McKee - Winston - Lot 993 Academy Glen - Floor Truss Qty I43421098 MASTERFLOOR F05G FLOOR 99 Job Reference (optional) 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:44 2020 Page 1 ID:jqCdRHbllruLU73I5XDfb5zc7xm-3nluKf4IP_e09Bs6BA6YCqxw7pSvwu0CFZgJK?yOWxr Builders FirstSource (Apex, NC), Apex, NC - 27523, 0-1-8 0-1-8 5 3x4 || 1 3x4 || 2 1.5x3 || 3 1.5x3 || 4 1.5x3 || Scale = 1:9.1 10 9 8 6 3x4 = 1.5x3 || 1.5x3 || 1.5x3 || 3x4 = 4-9-8 4-9-8 Plate Offsets (X,Y)--[1:Edge,0-1-8] LOADING (psf) SPACING-CSI. DEFL. **PLATES** GRIP 2-0-0 in (loc) I/defI I/d 244/190 TCLL 40.0 Plate Grip DOL 1.00 TC 0.09 Vert(LL) 999 n/a n/a MT20 BC 999 TCDL 10.0 Lumber DOL 1.00 0.02 Vert(CT) n/a n/a BCLL 0.0 Rep Stress Incr NO WB 0.03 Horz(CT) 0.00 6 n/a n/a BCDL 5.0 Code IRC2015/TPI2014 Matrix-R Weight: 24 lb FT = 20%F, 11%E **BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat) 2x4 SP No.3(flat) **WEBS OTHERS** 2x4 SP No.3(flat)

REACTIONS. All bearings 4-9-8.

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

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

NOTES-

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



Structural wood sheathing directly applied or 4-9-8 oc purlins,

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

except end verticals.

October 30,2020



Job	Truss	Truss Type	Qty	Ply	McKee - Winston - Lot 993 Academy Glen - Floor	
MASTERFLOOR	F06	FLOOR	00		14342109	9
WASTERFLOOR	FU0	FLOOR	99	'	Job Reference (optional)	

Apex. NC - 27523.

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:45 2020 Page 1 ID:jqCdRHbllruLU73I5XDfb5zc7xm-XzJHY?5w9ImtmLRJluenl1UygDc5fEZMUDPstRyOWxq

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

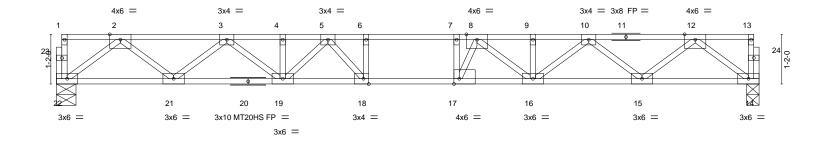
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.



1-0-0 0-10-0

0-1-8 Scale = 1:27.1



		7-4-0		8-4-0 9-4-0	1	6-6-0			
	7-4-0				7-2-0				
Plate Offse	ets (X,Y)	[17:0-1-8,Edge], [18:0-1-8,Edge]							
LOADING TCLL	VI /	SPACING- 2-0-0 Plate Grip DOL 1.00	CSI. TC 0.68	DEFL.	in (loc) I/defl L/d -0.22 17-18 >874 480	PLATES MT20	GRIP 244/190		
TCDL	40.0 10.0	Lumber DOL 1.00	BC 0.73	Vert(LL) Vert(CT)	-0.31 17-18 >634 360	MT20HS	187/143		
BCLL BCDL	0.0 5.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.46 Matrix-S	Horz(CT)	0.06 14 n/a n/a	Weight: 85 lb	FT = 20%F, 11%E		

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) BOT CHORD

2x4 SP No.2(flat) *Except*

14-20: 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

REACTIONS. (size) 22=0-5-8, 14=0-3-8

Max Grav 22=888(LC 1), 14=888(LC 1)

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

TOP CHORD $2-3=-1852/0,\ 3-4=-3022/0,\ 4-5=-3022/0,\ 5-6=-3441/0,\ 6-7=-3441/0,\ 7-8=-3441/0,\$ 8-9=-3023/0, 9-10=-3023/0, 10-12=-1852/0

BOT CHORD 21-22=0/1111, 19-21=0/2558, 18-19=0/3287, 17-18=0/3441, 16-17=0/3342, 15-16=0/2557,

WEBS 6-18=-312/1, 7-17=-444/67, 2-22=-1391/0, 2-21=0/965, 3-21=-919/0, 3-19=0/592,

5-19=-400/0, 5-18=-91/546, 12-14=-1392/0, 12-15=0/964, 10-15=-918/0, 10-16=0/595,

8-16=-490/0. 8-17=-148/611

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 1.5x3 MT20 unless otherwise indicated.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee - Winston - Lot 993 Academy Glen - Floor	
MASTERFLOOR	F07	FLOOR	99	1		I43421100
					Job Reference (optional)	

Apex. NC - 27523.

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:46 2020 Page 1 ID:jqCdRHbllruLU73I5XDfb5zc7xm-0AtflL5YwcukOV0VJb90HF07iduSOi5Vjt9PPtyOWxp

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

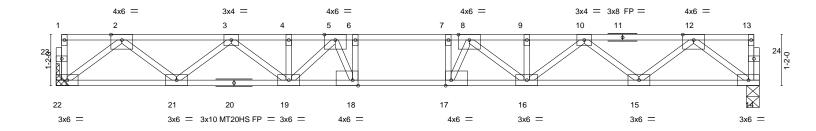
Rigid ceiling directly applied or 2-2-0 oc bracing.

except end verticals.





0-1-8 Scale = 1:26.3



<u> </u>	6-10-12 6-10-12			2 8-10-12	16-0-12 7-2-0		
Plate Offse	ets (X,Y)	[17:0-1-8,Edge], [18:0-1-8,Edge]					
LOADING TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.66 BC 0.98 WB 0.44	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) I/defl L/ -0.21 17-18 >889 48 -0.29 17-18 >645 36 0.06 14 n/a n/	MT20 MT20HS	GRIP 244/190 187/143
BCDL	5.0	Code IRC2015/TPI2014	Matrix-S	1.0.2(01)		Weight: 84 lb	FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

REACTIONS.

2x4 SP No.2(flat)

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

(size) 22=Mechanical, 14=0-3-8

Max Grav 22=863(LC 1), 14=863(LC 1)

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

TOP CHORD 2-3=-1792/0, 3-4=-2901/0, 4-5=-2901/0, 5-6=-3257/0, 6-7=-3257/0, 7-8=-3257/0,

8-9=-2907/0, 9-10=-2907/0, 10-12=-1791/0

BOT CHORD 21-22=0/1080, 19-21=0/2468, 18-19=0/3148, 17-18=0/3257, 16-17=0/3187, 15-16=0/2469,

14-15=0/1080

WEBS 6-18=-469/54, 7-17=-409/101, 2-22=-1352/0, 2-21=0/927, 3-21=-880/0, 3-19=0/553,

5-19=-427/0, 5-18=-123/630, 12-14=-1352/0, 12-15=0/926, 10-15=-882/0, 10-16=0/560,

8-16=-441/0, 8-17=-181/548

NOTES-

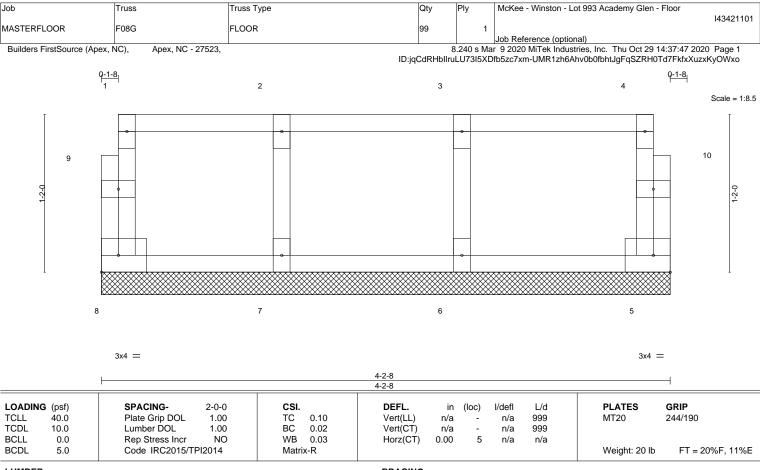
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 1.5x3 MT20 unless otherwise indicated.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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LUMBER-

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat)

2x4 SP No.3(flat) **WEBS** 2x4 SP No.3(flat) **OTHERS**

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins,

except end verticals.

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

REACTIONS. All bearings 4-2-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	McKee - Winston - Lot 993 Academy Glen - Floor	
MASTERFLOOR	F09	FLOOR	99	1		I43421102
					Job Reference (optional)	

Apex, NC - 27523,

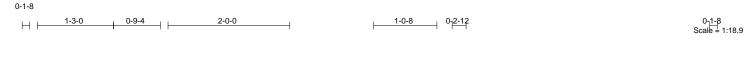
8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:48 2020 Page 1 ID:jqCdRHbllruLU73l5XDfb5zc7xm-yY?PA07oSD8SdpAuQ0BUMg6YbQnGsfdoABeWTmyOWxn

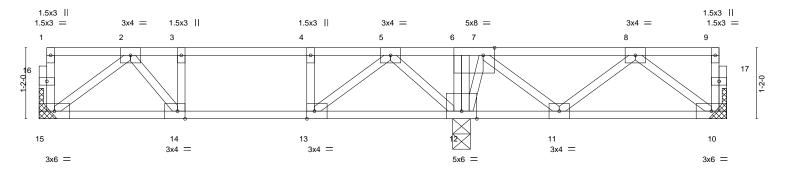
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

6-0-0 oc bracing: 11-12.





		2-4-12	3-4-12	4-4-12		6-11-4					11-3-8	
		2-4-12	1-0-0	1-0-0		2-6-8					4-4-4	1
Plate Offse	ets (X,Y)	[6:0-2-4,Edge], [13:0-1	-8,Edge], [14:0	-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	0.32	Vert(LL)	-0.01	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	-0.02	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	10	n/a	n/a		
BCDL	5.0	Code IRC2015	/TPI2014	Matri	x-S						Weight: 60 lb	FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 15=Mechanical, 10=Mechanical, 12=0-3-8 Max Grav 15=340(LC 3), 10=226(LC 7), 12=699(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD $2\text{-}3\text{=-}494/0,\ 3\text{-}4\text{=-}494/0,\ 4\text{-}5\text{=-}494/0,\ 5\text{-}6\text{=-}1/286,\ 6\text{-}7\text{=-}0/287$

BOT CHORD 14-15=0/361, 13-14=0/494

WEBS 2-15=-449/0, 5-13=0/385, 5-12=-492/0, 8-10=-299/0, 7-12=-405/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.





Job Truss Type McKee - Winston - Lot 993 Academy Glen - Floor Truss Qty 143421103 MASTERFLOOR F10-1PL FLOOR 99 Job Reference (optional) 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:48 2020 Page 1 ID:jqCdRHbllruLU73I5XDfb5zc7xm-yY?PA07oSD8SdpAuQ0BUMg6XhQmpseQoABeWTmyOWxn Builders FirstSource (Apex, NC), Apex, NC - 27523, 1-3-0 0-3-8 $\dot{4x6} = 3$ 1 3x4 || 3x4 || 3x4 = Scale = 1.8.61-2-0 4x6 =6 5 3x6 =3x6 =1-10-4 3-4-0 1-10-4 1-5-12 Plate Offsets (X,Y)--[1:Edge,0-1-8], [3:0-1-8,Edge], [6:0-1-8,Edge] LOADING (psf) SPACING-2-0-0 CSI. DEFL. **PLATES** GRIP in (loc) I/defI I/d TCLL 40.0 Plate Grip DOL 1.00 TC 0.38 Vert(LL) -0.00 >999 480 244/190 6 MT20 BC 0.22 -0.01 >999 360 TCDL 10.0 Lumber DOL 1.00 Vert(CT) 6 BCLL 0.0 Rep Stress Incr NO WB 0.20 Horz(CT) 0.00 5 n/a n/a BCDL 5.0 Code IRC2015/TPI2014 Matrix-P Weight: 23 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (size) 7=Mechanical, 5=Mechanical Max Grav 7=679(LC 1), 5=716(LC 1)

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

TOP CHORD 2-3=-665/0

BOT CHORD 6-7=0/625, 5-6=0/665 **WEBS** 2-7=-784/0, 3-5=-838/0

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

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Concentrated Loads (lb)

Vert: 5-7=-10, 1-4=-343 Vert: 3=-307



Structural wood sheathing directly applied or 3-4-0 oc purlins,

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

except end verticals.

October 30,2020



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/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information

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



Job Truss Type McKee - Winston - Lot 993 Academy Glen - Floor Truss Qty l43421104 MASTERFLOOR F11-1PL FLOOR 99 Job Reference (optional) 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 14:37:49 2020 Page 1 ID:jqCdRHbllruLU73I5XDfb5zc7xm-QIYnNM8QDXGIFzI4_jijvteg8q51b4exPqN40CyOWxm Builders FirstSource (Apex, NC), Apex, NC - 27523, 1-3-0 1-2-0 4 3x4 || 3x4 II 3x4 = 3x4 = Scale = 1.8.63x4 =6 3x6 = 3x6 = 2-1-12 3-7-8 2-1-12 1-5-12 Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [6:0-1-8,Edge]

LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO	CSI. TC 0.46 BC 0.28 WB 0.26	DEFL. in (loc) l/defl L/d Vert(LL) -0.01 6 >999 480 Vert(CT) -0.01 6 >999 360 Horz(CT) 0.00 5 n/a n/a	PLATES GRIP MT20 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-P		Weight: 24 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (size) 7=0-3-8, 5=Mechanical Max Grav 7=849(LC 1), 5=927(LC 1)

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

TOP CHORD 2-3=-888/0

BOT CHORD 6-7=0/797, 5-6=0/888 **WEBS** 2-7=-1000/0, 3-5=-1121/0

- 1) Refer to girder(s) for truss to truss connections.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 5-7=-10, 1-4=-400 Concentrated Loads (lb)

Vert: 3=-392



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

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

except end verticals.

October 30,2020



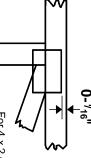


Symbols

PLATE LOCATION AND ORIENTATION



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



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

?

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

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

PLATE SIZE



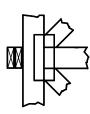
to slots. Second dimension is the length parallel to slots. width measured perpendicular The first dimension is the plate

LATERAL BRACING LOCATION



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

BEARING



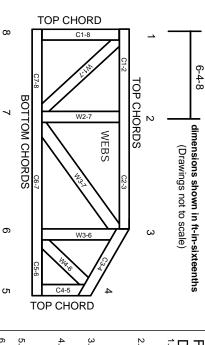
Min size shown is for crushing only number where bearings occur. reaction section indicates joint (supports) occur. Icons vary but Indicates location where bearings

Industry Standards:

National Design Specification for Metal Guide to Good Practice for Handling **Building Component Safety Information** Design Standard for Bracing. Connected Wood Trusses. Installing & Bracing of Metal Plate Plate Connected Wood Truss Construction.

DSB-89: ANSI/TPI1:

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property

- Damage or Personal Injury

 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.

Ņ

- ω Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building all other interested parties. designer, erection supervisor, property owner and
- Cut members to bear tightly against each other
- Place plates on each face of truss at each locations are regulated by ANSI/TPI 1. oint and embed fully. Knots and wane at joint

6 5

Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.

7.

- œ Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.

9

- 10. Camber is a non-structural consideration and is the camber for dead load deflection responsibility of truss fabricator. General practice is to
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- 13. Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted
- Connections not shown are the responsibility of others
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- 18. Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- Review all portions of this design (front, back, words is not sufficient. and pictures) before use. Reviewing pictures alone
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.