

RE: Callaway Rev 98-1-Floor

Site Information:

Project Customer: DRB Raleigh Project Name: DRB Raleigh Model Track

Lot/Block: Subdivision:

Model: Address:

State: NC City:

General Truss Engineering Criteria & Design Loads (Individual Truss Design **Drawings Show Special Loading Conditions):**

Design Code: IRC2021/TPI2014

Wind Code: ASCE 7-16 Wind Speed: 115 mph

Roof Load: 50.0 psf

Mean Roof Height (feet): 25

Design Program: MiTek 20/20 8.8

Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-16

Trenco

818 Soundside Rd

Edenton, NC 27932

Floor Load: N/A psf

Exposure Category: C

No.	Seal#	Truss Name	Date
1	I71267509	2F1D	2/7/25
2	I71267511	2F6 2F5	2/7/25 2/7/25
4	171267512 171267513	2FGR1 2F1	2/7/25 2/7/25
2 3 4 5 6 7	171267514	2FGE1	2/7/25
7 8 9	171267515 171267516	2F4 2F3	2/7/25 2/7/25
9 10	171267517 171267518	2F2 2FGR4	2/7/25 2/7/25
11 12	171267519 171267520	2F7 2FGE2	2/7/25
13	171267521	2FGR2	2/7/25 2/7/25
14	171267522 171267523	2FGR3 2F8	2/7/25 2/7/25

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters

My license renewal date for the state of North Carolina is December 31, 2025.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(a) idea in designs comply with ANSUTED. 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.



February 7,2025

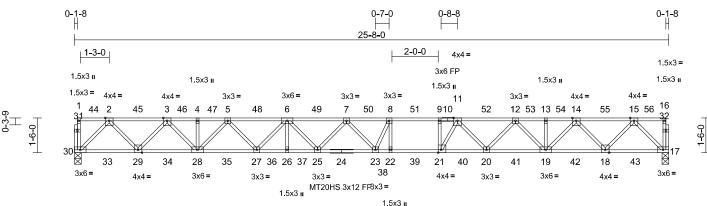
Gilbert, Eric

Job Truss Truss Type Qty Ply Callaway Rev 98-1-Floor I71267509 2F1D Floor 1 Job Reference (optional)

Structural, LLC, Thurmont, MD - 21788.

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:39 ID:An6AjFgEyvZAVB_eyfVPG_yFK9n-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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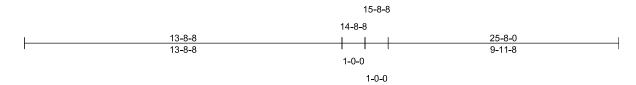


Plate Offsets (X, Y): [21:0-1-8,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	/def	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.75	Vert(LL)	-0.47	22-23	>650	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.64	22-23	>473	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.09	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 141 lb	FT = 20%F, 12%E

LUMBER

Scale = 1:49.8

TOP CHORD 2x4 SP SS(flat) *Except* 10-16:2x4 SP No.2

(flat)

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-4-10 oc purlins, except end verticals.

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

REACTIONS (size) 17=0-3-8, 30=0-3-8

Max Horiz 30=-13 (LC 6)

Max Grav 17=928 (LC 1), 30=928 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-30=-258/38, 16-17=-258/38, 1-2=-131/131, 2-3=-1577/0, 3-4=-2792/0, 4-5=-2792/0,

5-6=-3627/0, 6-7=-4139/0, 7-8=-4272/0, 8-9=-4185/0, 9-11=-4185/0, 11-12=-3612/0,

12-13=-2794/0, 13-14=-2794/0, 14-15=-1577/0, 15-16=-131/131

BOT CHORD 29-30=0/897, 28-29=0/2240, 27-28=0/3289,

26-27=0/3968, 25-26=0/3968, 23-25=0/4294,

22-23=0/4185, 21-22=0/4185, 20-21=0/3968, 19-20=0/3288, 18-19=0/2241, 17-18=0/897

WEBS 8-22=-439/212, 9-21=-459/143,

2-30=-1267/0, 2-29=-13/1011, 3-29=-985/29,

3-28=-55/800, 4-28=-254/71, 5-28=-727/74,

5-27=-101/554, 6-27=-545/114, 6-26=-72/254, 6-25=-138/361,

7-25=-323/136, 7-23=-331/358 8-23=-435/625, 15-17=-1267/0,

15-18=-13/1011, 14-18=-988/31, 14-19=-56/800, 13-19=-255/65,

12-19=-721/70, 12-20=-85/524,

11-20=-621/149, 11-21=-258/806

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

- All plates are MT20 plates unless otherwise indicated.
- All bearings are assumed to be SP SS
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 25-8-0 for 100.0 plf.
- 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 7,2025

NOTES



Job	Truss	Truss Type	Qty	Ply	Callaway Rev 98-1-Floor	
	2F6	Floor	4	1	Job Reference (optional)	l71267510

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:42 ID:NrykbOsGlckGb4gZYddwgXyFK?D-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

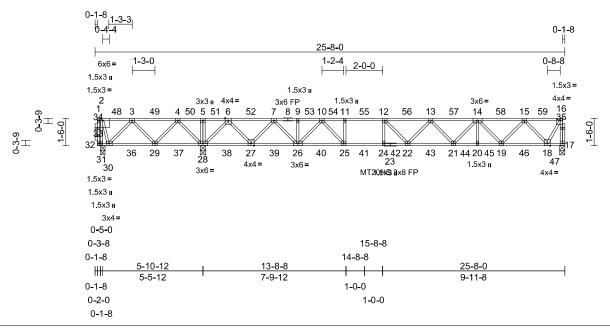


Plate Offsets (X, Y): [2:0-1-8,Edge], [16:0-1-8,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.18	22-24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.24	22-24	>970	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.02	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 144 lb	FT = 20%F, 12%E

ш	м	R	F	R	

Scale = 1:63

TOP CHORD 2x4 SP SS(flat) *Except* 8-1:2x4 SP No.2

(flat)

2x4 SP SS(flat) BOT CHORD 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, Except:

6-0-0 oc bracing: 29-30,28-29,27-28.

REACTIONS 17=0-3-8, 28=0-3-8, 32=0-3-0 (size)

17=629 (LC 4), 28=1330 (LC 1), Max Grav

32=1024 (LC 44)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-32=-984/0, 16-17=-628/0, 1-2=0/0,

2-3=-110/83, 3-4=-102/616, 4-5=0/1272,

5-6=0/1272, 6-7=-209/219, 7-9=-1073/0, 9-10=-1073/0, 10-11=-1842/0, 11-12=-1842/0,

12-13=-1961/0, 13-14=-1781/0,

14-15=-1221/0. 15-16=-352/0

BOT CHORD 31-32=0/0. 30-31=0/0. 29-30=-348/155

28-29=-898/0, 27-28=-568/0, 26-27=0/639,

25-26=0/1448, 24-25=0/1842, 22-24=0/1842,

21-22=0/1972, 20-21=0/1581, 19-20=0/1581,

18-19=0/865, 17-18=0/29

WEBS 2-31=-566/158, 5-28=-265/53,

11-25=-314/10, 12-24=-206/98, 4-28=-674/0,

4-29=0/450, 3-29=-430/32, 3-30=-154/386, 2-30=-322/427, 6-28=-1087/0, 6-27=0/845,

7-27=-808/0, 7-26=0/632, 9-26=-261/59,

10-26=-548/0, 10-25=0/654, 12-22=-89/366, 13-22=-165/161, 13-21=-316/34,

14-21=-24/375, 14-20=-61/255, 14-19=-521/0, 15-19=0/529, 15-18=-763/0,

16-18=0/662

NOTES

- Unbalanced floor live loads have been considered for 1) this design.
- All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x3 (=) MT20 unless otherwise indicated.
- All bearings are assumed to be SP SS
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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.
- 8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

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

Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 17-32=-7, 1-16=-67

Concentrated Loads (lb)

Vert: 1=-800



February 7,2025

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/TPH 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)



Qty Job Truss Truss Type Ply Callaway Rev 98-1-Floor I71267511 2F5 Floor 1 Job Reference (optional)

Structural, LLC, Thurmont, MD - 21788

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:41 ID:JPUCJeGWHYZDDYQ8AqFRBCyFK0_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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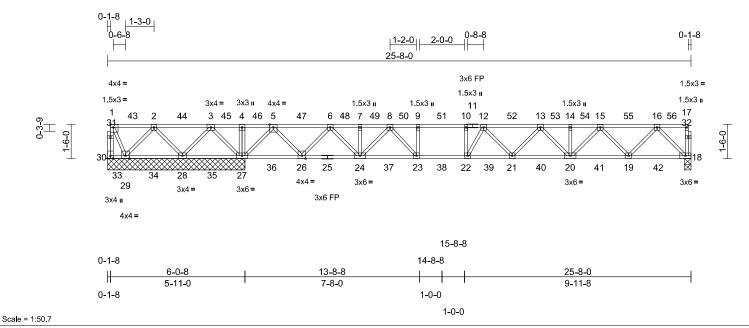


Plate Offsets (X, Y): [1:Edge,0-1-8]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.85	Vert(LL)	-0.19	21-22	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.26	21-22	>892	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.02	18	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 143 lb	FT = 20%F, 12%E

LUMBER TOP CHORD 2x4 SP No 2(flat)

BOT CHORD 2x4 SP No.2(flat) *Except* 25-18:2x4 SP SS (flat)

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

BRACING TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

bracing, Except:

6-0-0 oc bracing: 28-29,27-28,26-27.

REACTIONS (size) 18=0-3-8, 27=6-0-8, 28=6-0-8,

29=6-0-8, 30=6-0-8

28=-423 (LC 4) Max Uplift

18=618 (LC 4), 27=1505 (LC 1), Max Grav

28=172 (LC 57), 29=365 (LC 56),

30=469 (LC 55)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-30=-400/0, 17-18=-258/39, 1-2=0/57, 2-3=0/287, 3-4=0/1385, 4-5=0/1385,

5-6=-140/273, 6-7=-963/0, 7-8=-963/0. 8-9=-1744/0, 9-10=-1744/0, 10-12=-1744/0,

12-13=-1900/0, 13-14=-1622/0,

14-15=-1622/0, 15-16=-988/0, 16-17=-12/2 **BOT CHORD**

29-30=0/36, 28-29=-141/60, 27-28=-787/0, 26-27=-625/0, 24-26=0/519, 23-24=0/1347,

22-23=0/1744, 21-22=0/1900, 20-21=0/1830,

19-20=0/1367, 18-19=0/589

WEBS

4-27=-267/56, 9-23=-326/2, 10-22=-100/305, 3-27=-906/0, 3-28=0/775, 2-28=-283/0, 2-29=-149/139, 1-29=-197/0, 5-27=-1097/0, 5-26=0/854, 6-26=-818/0, 6-24=0/644, 7-24=-263/54, 8-24=-557/0, 8-23=0/648 16-18=-831/0, 16-19=0/593, 15-19=-563/0, 15-20=-27/370, 14-20=-259/62,

13-20=-352/44, 13-21=-79/260, 12-21=-130/213, 12-22=-466/53

- Unbalanced floor live loads have been considered for 1) this design.
- All plates are 3x3 (=) MT20 unless otherwise indicated.
- Bearings are assumed to be: Joint 29 SP No.3, Joint 18 SP SS
- Bearing at joint(s) 30 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 8) 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.
- CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 18-30=-7, 1-17=-67 Concentrated Loads (lb)



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/TPH 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)



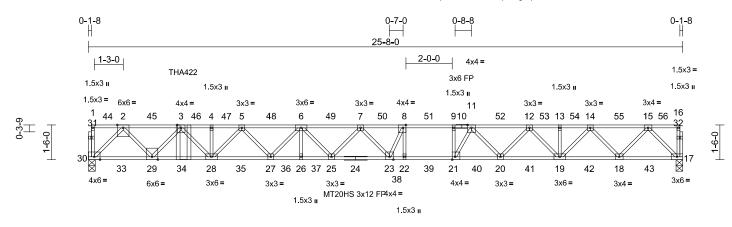
 Job
 Truss
 Truss Type
 Qty
 Ply
 Callaway Rev 98-1-Floor

 2FGR1
 Floor Girder
 1
 2
 Job Reference (optional)

Structural, LLC, Thurmont, MD - 21788

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:44 ID:fXV4uukYsnKDad3iRnxr7Mzz1pM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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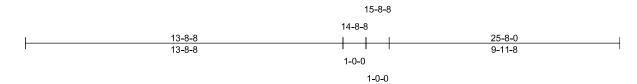


Plate Offsets (X, Y): [8:0-1-8,Edge], [21:0-1-8,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	/def	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.65	Vert(LL)	-0.44	22-23	>699	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.60	22-23	>507	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.09	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 282 lb	FT = 20%F, 12%E

LUMBER

Scale = 1:49.8

TOP CHORD 2x4 SP SS(flat) *Except* 10-16:2x4 SP No.2

(flat)

 BOT CHORD
 2x4 SP SS(flat)

 WEBS
 2x4 SP No.3(flat)

 OTHERS
 2x4 SP No.3(flat)

BRACING

WFBS

NOTES

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

bracing

REACTIONS (size) 17=0-3-8, 30=0-3-8

Max Grav 17=1230 (LC 1), 30=2608 (LC 1)
(lb) - Maximum Compression/Maximum

FORCES (lb) - Max Tension

TOP CHORD 1-30=-258/38, 16-17=-258/38, 1-2=-12/2,

2-3=-4772/0, 3-4=-7226/0, 4-5=-7226/0, 5-6=-7498/0, 6-7=-7441/0, 7-8=-6974/0,

8-9=-6556/0, 9-11=-6556/0, 11-12=-5283/0,

12-13=-3936/0, 13-14=-3936/0, 14-15=-2151/0, 15-16=-12/2

BOT CHORD 29-30=0/2573, 28-29=0/6955, 27-28=0/7437, 26-27=0/7548, 25-26=0/7548, 23-25=0/7345.

26-27=07/548, 25-26=07/548, 23-25=07/345, 22-23=0/6556, 21-22=0/6556, 20-21=0/5981,

19-20=0/4708, 18-19=0/3094, 17-18=0/1197 8-22=-829/13, 9-21=-816/26, 2-30=-3638/0,

2-29=0/3268, 3-29=-3246/0, 3-28=-7/409,

4-28=-256/69, 5-28=-403/21, 5-27=-63/266, 6-27=-253/169, 6-26=-70/255,

6-27=-253/169, 6-26=-70/255, 6-25=-295/238, 7-25=-160/272, 7-23=-734/98, 8-23=-32/1251, 15-17=-1692/0, 15-18=0/1417,

14-18=-1402/0, 14-19=0/1219, 13-19=-252/68, 12-19=-1119/0, 12-20=0/854,

11-20=-1070/0, 11-21=0/1446

- Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
- Unbalanced floor live loads have been considered for this design.
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) All bearings are assumed to be SP SS.
- 5) This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 6) 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.
- Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 4-1-4 from the left end to connect truss (es) to front face of top chord.
- Fill all nail holes where hanger is in contact with lumber.
 In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

 Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft)

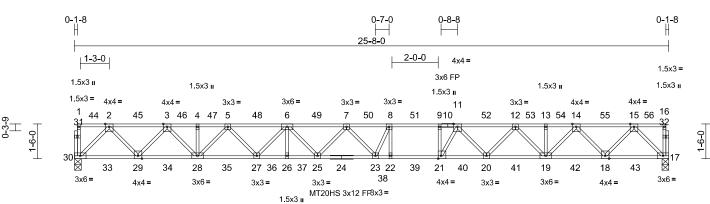
Vert: 17-30=-7, 1-16=-67 Concentrated Loads (Ib) Vert: 3=-1983 (F)

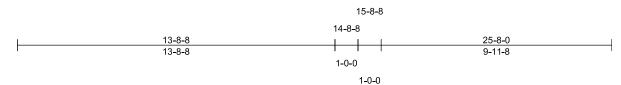




Job	Truss	Truss Type	Qty	Ply	Callaway Rev 98-1-Floor	
	2F1	Floor	21	1	Job Reference (optional)	1267513

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:38 ID:An6AjFgEyvZAVB_eyfVPG_yFK9n-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





1.5x3 II

Scale = 1:49.8
Plate Offsets (X, Y): [21:0-1-8,Edge]

· · · · ·		_										
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	0.75	Vert(LL)	-0.47	22-23	>650	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.64	22-23	>473	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.09	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 141 lb	FT = 20%F, 12%E

LUMBER

TOP CHORD 2x4 SP SS(flat) *Except* 10-16:2x4 SP No.2

(flat)

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-4-10 oc purlins, except end verticals.

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

bracing

REACTIONS (size) 17=0-3-8, 30=0-3-8

Max Grav 17=928 (LC 1), 30=928 (LC 1) FORCES (Ib) - Maximum Compression/Maximum

Tension

TOP CHORD 1-30=-258/38, 16-17=-258/38, 1-2=-12/2,

2-3=-1577/0, 3-4=-2792/0, 4-5=-2792/0, 5-6=-3627/0, 6-7=-4139/0, 7-8=-4272/0,

8-9=-4185/0, 9-11=-4185/0, 11-12=-3612/0, 12-13=-2794/0, 13-14=-2794/0, 14-15=-1577/0, 15-16=-12/2

BOT CHORD 29-30=0/897, 28-29=0/2240, 27-28=0/3289, 26-27=0/3968, 25-26=0/3968, 23-25=0/4296

26-27=0/3968, 25-26=0/3968, 23-25=0/4294, 22-23=0/4185, 21-22=0/4185, 20-21=0/3968,

19-20=0/3288, 18-19=0/2241, 17-18=0/897

8-22=-359/144, 9-21=-408/139, 2-30=-1267/0, 2-29=0/1011, 3-29=-985/0, 3-28=0/800, 4-28=-254/71, 5-28=-719/0,

5-27=0/503, 6-27=-493/50, 6-26=-72/254, 6-25=-69/352, 7-25=-266/78, 7-23=-228/243,

8-23=-248/462, 15-17=-1267/0,

15-18=0/1011, 14-18=-988/0, 14-19=0/800, 13-19=-255/65, 12-19=-715/0, 12-20=0/483,

11-20=-550/17, 11-21=-173/700

NOTES

WFBS

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.

- B) All bearings are assumed to be SP SS
- 4) This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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



Page: 1

February 7,2025

MARNING - 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

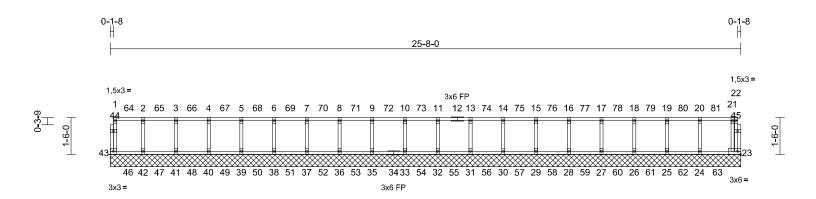
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing 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 ANSITPH 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	Callaway Rev 98-1-Floor	
	2FGE1	Floor Supported Gable	1	1	Job Reference (optional)	l71267514

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:43 ID:qSTr4Pr46inPe6vH7Xk8iRyFK8G-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:47

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	0.28	Vert(LL)	n/a	_	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.31	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	23	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 118 lb	FT = 20%F, 12%E

Gable requires continuous bottom chord bearing.

Gable studs spaced at 1-4-0 oc.

All bearings are assumed to be SP No.2 .

Truss to be fully sheathed from one face or securely

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

Provide mechanical connection (by others) of truss to

bearing plate capable of withstanding 16 lb uplift at joint

joint 41, 6 lb uplift at joint 40, 6 lb uplift at joint 39, 6 lb uplift at joint 38, 6 lb uplift at joint 37, 6 lb uplift at joint

uplift at joint 29, 6 lb uplift at joint 28, 6 lb uplift at joint

27, 6 lb uplift at joint 26, 13 lb uplift at joint 25 and 1 lb

43, 7 lb uplift at joint 23, 9 lb uplift at joint 42, 5 lb uplift at

LUMBER			TOP CHORD	1-43=-256/22, 22-23=-102/97, 1-2=-21/3,
TOP CHORD	2x4 SP N	o.2(flat)		2-3=-21/3, 3-4=-21/3, 4-5=-21/3, 5-6=-21/3,
BOT CHORD	2x4 SP N	o.2(flat)		6-7=-21/3, 7-8=-21/3, 8-9=-21/3, 9-10=-21/3,
WEBS	2x4 SP N	o.3(flat)		10-11=-21/3, 11-13=-21/3, 13-14=-21/3,
OTHERS	2x4 SP N	o.3(flat)		14-15=-21/3, 15-16=-21/3, 16-17=-21/3,
BRACING				17-18=-21/3, 18-19=-21/3, 19-20=-21/3,
TOP CHORD	Structural	wood sheathing directly applied or		20-21=-21/3, 21-22=-28/5
		ourlins, except end verticals.	BOT CHORD	
BOT CHORD	Rigid ceili	ing directly applied or 6-0-0 oc		39-40=-3/21, 38-39=-3/21, 37-38=-3/21,
	bracing.			36-37=-3/21, 35-36=-3/21, 33-35=-3/21,
REACTIONS	(size)	23=25-8-0, 24=25-8-0, 25=25-8-0,		32-33=-3/21, 31-32=-3/21, 30-31=-3/21, 29-30=-3/21, 28-29=-3/21, 27-28=-3/21,
		26=25-8-0, 27=25-8-0, 28=25-8-0,		26-27=-3/21, 25-26=-3/21, 24-25=-3/21,
		29=25-8-0, 30=25-8-0, 31=25-8-0,		23-24=-3/21
		32=25-8-0, 33=25-8-0, 35=25-8-0,	WEBS	2-42=-266/16, 3-41=-268/13, 4-40=-268/13,
		36=25-8-0, 37=25-8-0, 38=25-8-0,	WEBC	5-39=-268/13, 6-38=-268/13, 7-37=-268/13,
		39=25-8-0, 40=25-8-0, 41=25-8-0,		8-36=-268/13, 9-35=-268/13, 10-33=-268/13,
		42=25-8-0, 43=25-8-0		11-32=-268/13, 13-31=-268/13,
	Max Uplift	23=-7 (LC 21), 24=-1 (LC 63),		14-30=-268/15, 15-29=-268/13,
		25=-13 (LC 65), 26=-6 (LC 64),		16-28=-268/13, 17-27=-268/13,
		27=-6 (LC 63), 28=-6 (LC 62),		18-26=-268/13, 19-25=-268/16,
		29=-6 (LC 61), 30=-6 (LC 14), 31=-6 (LC 59), 32=-8 (LC 55),		20-24=-269/12, 21-23=-229/87
		33=-6 (LC 59), 32=-6 (LC 53), 33=-6 (LC 54), 35=-6 (LC 53),	NOTES	
		36=-6 (LC 52), 37=-6 (LC 53),	1) All plates	are 1.5x3 () MT20 unless otherwise
		38=-6 (LC 53), 39=-6 (LC 52),	indicated.	WII/
		30-0 (LO 33), 33-0 (LO 32),	2) Cable red	uires continuous hottom chord hearing

- 7) This truss has been designed for a moving concentrated load of 250,0lb live and 3,0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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 7,2025

FORCES

(lb) - Maximum Compression/Maximum

40=-6 (LC 51), 41=-5 (LC 50),

42=-9 (LC 22), 43=-16 (LC 48)

23=267 (LC 85), 24=282 (LC 84),

25=279 (LC 83), 26=280 (LC 82),

27=280 (LC 81), 28=280 (LC 80),

29=280 (LC 79), 30=280 (LC 78), 31=280 (LC 77), 32=280 (LC 76),

33=280 (LC 75), 35=280 (LC 74),

36=280 (LC 73), 37=280 (LC 72),

38=280 (LC 71), 39=280 (LC 70),

36, 6 lb uplift at joint 35, 6 lb uplift at joint 33, 8 lb uplift at 40=280 (LC 69), 41=280 (LC 68), joint 32, 6 lb uplift at joint 31, 6 lb uplift at joint 30, 6 lb 42=278 (LC 67), 43=264 (LC 66)

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

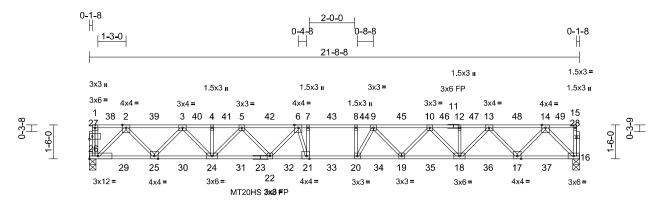
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing 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/TPH 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)

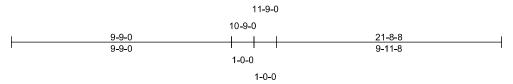
uplift at joint 24.



Job	Truss	Truss Type	Qty	Ply	Callaway Rev 98-1-Floor	
	2F4	Floor	1	1	Job Reference (optional)	l71267515

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:41 ID:4X8OoZ 1zad4vY5LeGQBWFyFK6o-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:51.1 Plate Offsets (X, Y): [21:0-1-8,Edge], [27:0-1-8,0-1-8]

		1										
Loading	(psf)	Spacing	1-7-12	csi		DEFL	in	(loc)	/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.30	20-21	>849	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.42	20-21	>617	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.08	16	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 121 lb	FT = 20%F, 12%E

ш	м	R	F	R	

TOP CHORD 2x4 SP No.2(flat)

BOT CHORD 2x4 SP No.2(flat) *Except* 23-16:2x4 SP SS

(flat)

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-6-13 oc purlins, except end verticals.

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

bracing, Except:

2-2-0 oc bracing: 22-24.

REACTIONS 16=0-3-8, 26=0-3-8 (size)

Max Grav 16=963 (LC 1), 26=963 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-26=-259/34, 15-16=-259/37, 1-2=-12/2, 2-3=-1634/0, 3-4=-2785/0, 4-5=-2785/0,

5-6=-3465/0, 6-7=-3738/0, 7-8=-3738/0, 8-9=-3738/0, 9-10=-3454/0, 10-12=-2761/0,

12-13=-2761/0. 13-14=-1601/0. 14-15=-12/2 BOT CHORD 25-26=0/964, 24-25=0/2281, 22-24=0/3218.

21-22=0/3699, 20-21=0/3738, 19-20=0/3684,

18-19=0/3203, 17-18=0/2254, 16-17=0/926

WEBS 7-21=-438/345, 8-20=-304/211,

2-26=-1332/0, 2-25=0/995, 3-25=-963/0, 3-24=0/730, 4-24=-259/62, 5-24=-627/0, 5-22=0/391, 6-22=-444/116, 6-21=-417/597 14-16=-1308/0, 14-17=0/1003, 13-17=-971/0, 13-18=0/735, 12-18=-240/62, 10-18=-640/0,

10-19=0/374, 9-19=-409/89, 9-20=-295/480

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- 3) Bearings are assumed to be: Joint 26 SP No.2, Joint 16 SP SS.

- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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 7,2025

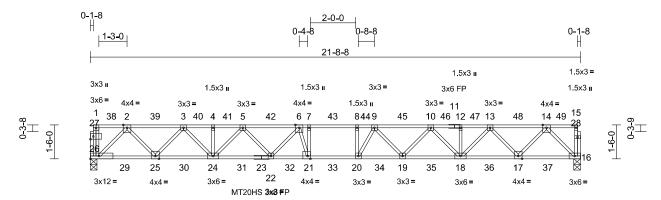


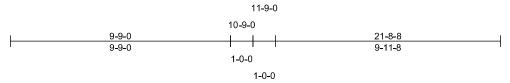


Job	Truss	Truss Type	Qty	Ply	Callaway Rev 98-1-Floor	
	2F3	Floor	3	1	Job Reference (optional)	l71267516

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:40 ID:4X8OoZ_1zad4vY5LeGQBWFyFK6o-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:51.1

Plate Offsets (X, Y): [21:0-1-8,Edge], [27:0-1-8,0-1-8]

Loading	(psf)	Spacing	1-4-0	csı		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.27	20-21	>958	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.37	20-21	>696	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.07	16	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 121 lb	FT = 20%F, 12%E

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 TOP 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, Except: 2-2-0 oc bracing: 19-20.

REACTIONS (size) 16=0-3-8, 26=0-3-8

Max Grav 16=780 (LC 1), 26=780 (LC 1)

FORCES (Ib) - Maximum Compression/Maximum

Tension

TOP CHORD 1-26=-258/35, 15-16=-258/38, 1-2=-12/2, 2-3=-1323/0, 3-4=-2256/0, 4-5=-2256/0,

5-6=-2807/0, 6-7=-3028/0, 7-8=-3028/0, 8-9=-3028/0, 9-10=-2798/0, 10-12=-2237/0, 12-13=-2237/0, 13-14=-1297/0, 14-15=-12/2

25-26=0/781, 24-25=0/1848, 22-24=0/2607, 21-22=0/2996, 20-21=0/3028, 19-20=0/2985,

18-19=0/2595, 17-18=0/1825, 16-17=0/750

WEBS 7-21=-382/367, 8-20=-263/226,

2-26=-1080/0, 2-25=0/806, 3-25=-780/0, 3-24=0/591, 4-24=-257/64, 5-24=-509/0,

5-22=-14/321, 6-22=-352/120,

6-21=435/500, 14-16=-1060/0, 14-17=0/812, 13-17=-786/0, 13-18=0/597, 12-18=-239/63, 10-18=-517/0, 10-19=-8/331, 9-19=-325/101,

9-20=-307/395

NOTES

BOT CHORD

- Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All bearings are assumed to be SP No.2

- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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



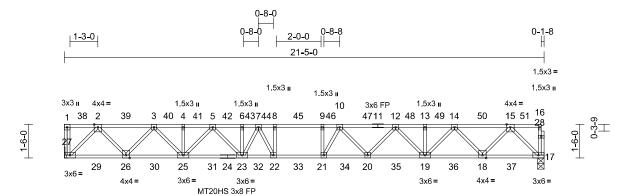
February 7,2025

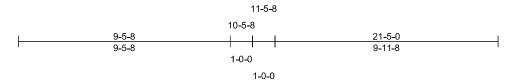


Job	Truss	Truss Type	Qty	Ply	Callaway Rev 98-1-Floor	
	2F2	Floor	5	1	Job Reference (optional)	l71267517

Run: 8.83 S. Feb. 1.2025 Print: 8.830 S. Feb. 1.2025 MiTek Industries. Inc. Thu Feb.06.12:43:40 ID:Fh|Xh2U?Zep3BZXsGaa9J8zz1pg-RfC?PsB70Hq3NSgPqnL8w3u|TXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:51.5

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	0.61	Vert(LL)	-0.26	21-22	>979	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.36	21-22	>711	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.07	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 120 lb	FT = 20%F, 12%E

LUMBER

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat) 2x4 SP No.3(flat) WFBS 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, Except: 2-2-0 oc bracing: 20-21.

17=0-3-8, 27= Mechanical **REACTIONS** (size)

Max Grav 17=772 (LC 1), 27=776 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-27=-258/35, 16-17=-258/38, 1-2=0/0, 2-3=-1281/0, 3-4=-2210/0, 4-5=-2210/0,

5-6=-2780/0, 6-7=-2780/0, 7-8=-2963/0, 8-9=-2963/0, 9-10=-2963/0, 10-12=-2751/0,

12-13=-2206/0, 13-14=-2206/0, 14-15=-1281/0, 15-16=-12/2

26-27=0/743, 25-26=0/1801, 23-25=0/2541, BOT CHORD

22-23=0/2867, 21-22=0/2963, 20-21=0/2929,

19-20=0/2555, 18-19=0/1802, 17-18=0/742

8-22=-319/162, 9-21=-248/229, 2-27=-1050/0, 2-26=0/800, 3-26=-774/0,

3-25=0/591, 4-25=-259/62, 5-25=-480/0, 5-23=-33/346, 15-17=-1048/0, 15-18=0/801,

14-18=-775/0, 14-19=0/585, 13-19=-258/63, 12-19=-506/0, 12-20=-12/327,

10-20=-315/107, 10-21=-315/378 6-23=-232/43, 7-23=-262/118, 7-22=-238/483

NOTES

WFBS

- Unbalanced floor live loads have been considered for 1) this design.
- All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x3 (=) MT20 unless otherwise indicated.
- 4) Bearings are assumed to be: , Joint 17 SP No.2 .
- Refer to girder(s) for truss to truss connections.

- 6) This truss has been designed for a moving concentrated load of 250,0lb live and 3,0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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.
- 8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

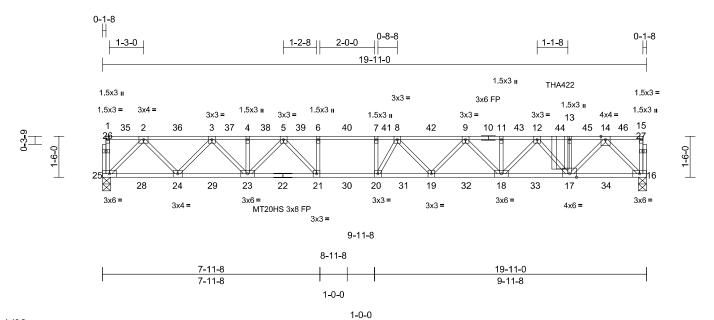


February 7,2025



Job	Truss	Truss Type	Qty	Ply	Callaway Rev 98-1-Floor	
	2FGR4	Floor Girder	3	1	Job Reference (optional)	l71267518

Run; 8.83 S Feb 1 2025 Print; 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:45 ID:sBkXLEWBUi?pX8eu4ub2jQyFJz4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:42.3

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	0.90	Vert(LL)	-0.20	19-20	>999	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.32	19-20	>743	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.05	16	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 111 lb	FT = 20%F, 12%E

LUMBER

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

BRACING

TOP CHORD

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) 16=0-3-8, 25=0-3-8

Max Grav 16=1023 (LC 1), 25=746 (LC 1) **FORCES** (lb) - Maximum Compression/Maximum

Tension

1-25=-258/39, 15-16=-312/0, 1-2=-12/2, 2-3=-1233/0, 3-4=-2106/0, 4-5=-2106/0, 5-6=-2714/0, 6-7=-2714/0, 7-8=-2714/0

8-9=-2704/0, 9-11=-2307/0, 11-12=-2307/0, 12-13=-1575/0, 13-14=-1575/0, 14-15=-14/0

BOT CHORD 24-25=0/718, 23-24=0/1725, 21-23=0/2421, 20-21=0/2714, 19-20=0/2784, 18-19=0/2576,

17-18=0/1970, 16-17=0/931

WEBS 6-21=-297/51, 7-20=-135/294, 2-25=-1014/0, 2-24=0/767, 3-24=-731/0, 3-23=0/551, 4-23=-256/59, 5-23=-456/0, 5-21=-38/600 14-16=-1311/0, 14-17=0/932, 12-18=0/488 11-18=-259/56, 9-18=-390/35, 9-19=-68/264

8-19=-194/199, 8-20=-447/193, 13-17=-387/0, 12-17=-604/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- All bearings are assumed to be SP SS
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

- 5) This truss has been designed for a moving concentrated load of 250,0lb live and 3,0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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.
- Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 16-9-4 from the left end to connect truss (es) to front face of top chord.
- Fill all nail holes where hanger is in contact with lumber.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Plate Increase=1.00 Uniform Loads (lb/ft)

Vert: 16-25=-7, 1-44=-67, 15-44=-167

Concentrated Loads (lb)

Vert: 44=-39 (F)



Page: 1

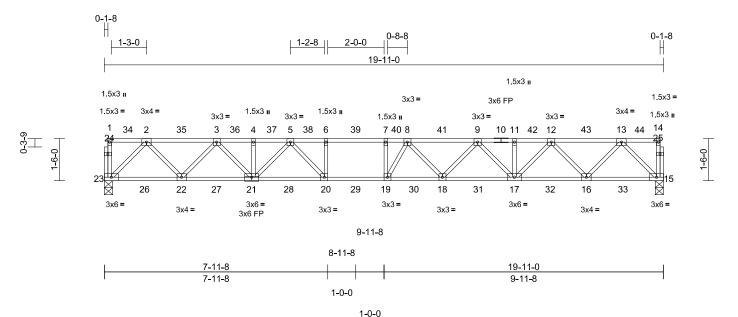
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

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/TPH 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	Callaway Rev 98-1-Floor	
	2F7	Floor	3	1		71267519

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:43 ID:sBkXLEWBUi?pX8eu4ub2jQyFJz4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:41.1

		1										
Loading	(psf)	Spacing	1-4-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.23	18-19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	ВС	0.99	Vert(CT)	-0.31	18-19	>763	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S		, ,					Weight: 109 lb	FT = 20%F, 12%E

LUMBER

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

BRACING

TOP CHORD

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 2-2-0 oc

bracing.

15=0-3-8, 23=0-3-8 REACTIONS (size)

Max Grav 15=717 (LC 1), 23=717 (LC 1) **FORCES** (lb) - Maximum Compression/Maximum

Tension 1-23=-258/39, 14-15=-258/39, 1-2=-12/2,

2-3=-1177/0, 3-4=-1983/0, 4-5=-1987/0, 5-6=-2528/0, 6-7=-2528/0, 7-8=-2528/0, 8-9=-2448/0, 9-11=-1998/0, 11-12=-1998/0,

12-13=-1176/0, 13-14=-12/2

BOT CHORD 22-23=0/688, 20-22=0/2279, 19-20=0/2528, 18-19=0/2564, 17-18=0/2296, 16-17=0/1647,

15-16=0/687

WEBS 6-20=-282/95, 7-19=-186/270, 2-23=-972/0,

2-22=0/726, 3-22=-695/0, 3-21=0/504, 4-21=-252/63, 5-21=-413/13, 5-20=-110/529, 13-15=-971/0, 13-16=0/727, 12-16=-699/0, 12-17=0/509, 11-17=-259/62, 9-17=-432/0,

9-18=-32/300, 8-18=-241/142, 8-19=-380/271

NOTES

- Unbalanced floor live loads have been considered for this design.
- All bearings are assumed to be SP No.2
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.

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



Page: 1

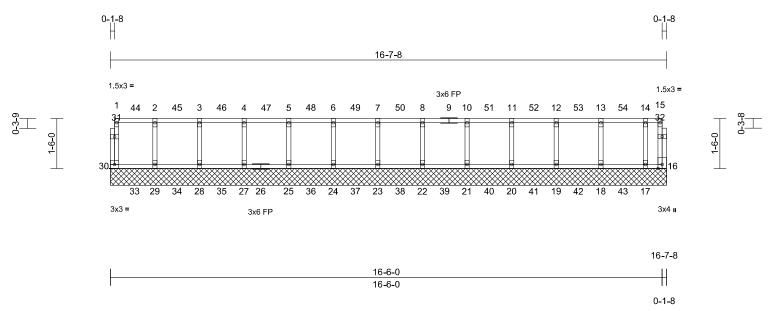


Qty Job Truss Truss Type Ply Callaway Rev 98-1-Floor 171267520 2FGE2 1 Floor Supported Gable Job Reference (optional)

Structural, LLC, Thurmont, MD - 21788

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:44 ID:RjRRCmPjidI_mOGE6t3IXJzz4q9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:34.5

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	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.28	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	16	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 78 lb	FT = 20%F, 12%E

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc **BOT CHORD** bracing.

REACTIONS (size) 16=16-7-8, 17=16-7-8, 18=16-7-8, 19=16-7-8, 20=16-7-8, 21=16-7-8, 22=16-7-8, 23=16-7-8, 24=16-7-8, 25=16-7-8, 27=16-7-8, 28=16-7-8, 29=16-7-8, 30=16-7-8

16=-70 (LC 43), 17=-41 (LC 32), Max Uplift 18=-5 (LC 41), 19=-6 (LC 40), 20=-6 (LC 11), 21=-6 (LC 38),

22=-6 (LC 37), 23=-6 (LC 39), 24=-6 (LC 38), 25=-6 (LC 37), 27=-6 (LC 36), 28=-8 (LC 35), 29=-7 (LC 34), 30=-20 (LC 33) 16=256 (LC 58), 17=272 (LC 44)

Max Grav 18=281 (LC 56), 19=279 (LC 55), 20=280 (LC 54), 21=280 (LC 53), 22=280 (LC 52), 23=280 (LC 51), 24=280 (LC 50), 25=280 (LC 49), 27=280 (LC 48), 28=280 (LC 47), 29=280 (LC 46), 30=263 (LC 45)

FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD

13-14=-21/5, 14-15=-21/5

1-30=-257/24, 15-16=-228/80, 1-2=-21/5, 2-3=-21/5, 3-4=-21/5, 4-5=-21/5, 5-6=-21/5, 6-7=-21/5, 7-8=-21/5, 8-10=-21/5, 10-11=-21/5, 11-12=-21/5, 12-13=-21/5,

BOT CHORD 29-30=-5/21, 28-29=-5/21, 27-28=-5/21,

25-27=-5/21, 24-25=-5/21, 23-24=-5/21, 22-23=-5/21, 21-22=-5/21, 20-21=-5/21, 19-20=-5/21, 18-19=-5/21, 17-18=-5/21, 16-17=-5/21

WEBS 2-29=-267/15, 3-28=-268/13, 4-27=-268/13, 5-25=-268/13, 6-24=-268/13, 7-23=-268/13, 8-22=-268/13, 10-21=-268/13,

11-20=-268/15, 12-19=-268/14 13-18=-268/13, 14-17=-253/35

NOTES

- 1) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing,
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- All bearings are assumed to be SP No.2
- Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 30, 70 lb uplift at joint 16, 7 lb uplift at joint 29, 8 lb uplift at joint 28, 6 lb uplift at joint 27, 6 lb uplift at joint 25, 6 lb uplift at joint 24, 6 lb uplift at joint 23, 6 lb uplift at joint 22, 6 lb uplift at joint 21, 6 lb uplift at joint 20, 6 lb uplift at joint 19, 5 lb uplift at joint 18 and 41 lb uplift at joint 17.
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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





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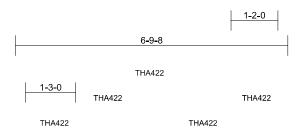
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing 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/TPH 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)

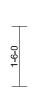


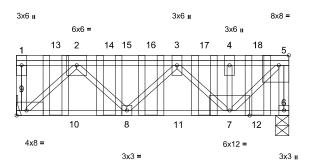
Job Truss Truss Type Qty Ply Callaway Rev 98-1-Floor I71267521 2FGR2 Floor Girder Job Reference (optional)

Structural, LLC, Thurmont, MD - 21788,

Run; 8.83 S Feb 1 2025 Print; 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:45 ID:j8NKTCiHKA4VLKvJKMuN2xzz1pO-RfC?PsB70Hq3NSgPqnL8w3u|TXbGKWrCDoi7J4zJC?f







Page: 1

Scale = 1:28.8

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

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	0.70	Vert(LL)	-0.08	8-9	>941	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.09	8-9	>841	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.02	6	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 51 lb	FT = 20%F, 12%E

LUMBER

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

2x4 SP No.3(flat) *Except* 7-5:2x4 SP No.2

BRACING

WFBS

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) 6=0-4-0, 9= Mechanical Max Grav 6=2112 (LC 1), 9=2027 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-9=-276/17, 5-6=-2104/0, 1-2=0/0, 2-3=-2421/0, 3-4=-1794/0, 4-5=-1794/0

BOT CHORD 8-9=0/2019, 7-8=0/2806, 6-7=0/0

WEBS 2-9=-2791/0, 2-8=0/583, 3-8=-559/0,

3-7=-1432/0, 4-7=-717/0, 5-7=0/2498

NOTES

- Bearings are assumed to be: , Joint 6 SP No.2 . 1)
- Refer to girder(s) for truss to truss connections.
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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.
- Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-4-0 oc max. starting at 0-11-12 from the left end to 6-0-4 to connect truss(es) to back face of top chord.
- Fill all nail holes where hanger is in contact with lumber.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Plate Increase=1.00 Uniform Loads (lb/ft)

Vert: 6-9=-7, 1-5=-67

Concentrated Loads (lb)

Vert: 13=-732 (B), 14=-732 (B), 16=-732 (B),

17=-732 (B), 18=-732 (B)



February 7,2025

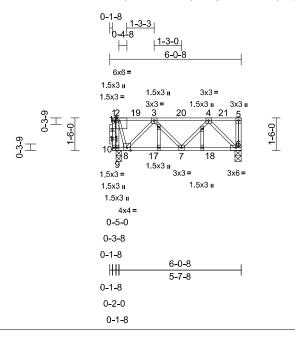


818 Soundside Road

Job	Truss	Truss Type	Qty	Ply	Callaway Rev 98-1-Floor	
	2FGR3	Floor Girder	1	1	Job Reference (optional)	l71267522

Run: 8.83 S Feb 1 2025 Print: 8.830 S Feb 1 2025 MiTek Industries, Inc. Thu Feb 06 12:43:45 ID:rN8pdrfnGxa4sibY5WqRt5zz1pS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:53

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

		ı										
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	0.86	Vert(LL)	-0.08	6-7	>833	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.09	6-7	>762	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 42 lb	FT = 20%F, 12%E

LUMBER

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat) 2x4 SP No.3(flat) WFBS **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) 6=0-3-8, 10=0-3-0

Max Grav 6=597 (LC 12), 10=840 (LC 7)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-10=-554/0, 5-6=-296/0, 1-2=0/0,

2-3=-236/0, 3-4=-592/0, 4-5=0/0

BOT CHORD 9-10=0/0, 8-9=0/0, 7-8=0/583, 6-7=0/484 WEBS 4-6=-684/0, 4-7=-24/243, 3-7=-142/124,

3-8=-597/0, 2-8=0/866, 2-9=-904/0

NOTES

- Unbalanced floor live loads have been considered for 1) this design.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SP No.2
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.

- 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.
- 9) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

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

Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 6-10=-7, 1-5=-167

Concentrated Loads (lb)

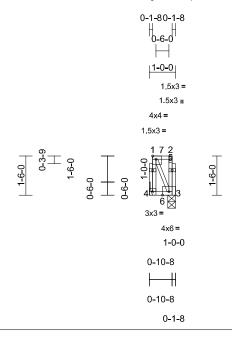
Vert: 1=-244



February 7,2025

Job	Truss	Truss Type	Qty	Ply	Callaway Rev 98-1-Floor	
	2F8	Floor	1	1	Job Reference (optional)	l71267523

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Scale = 1:44.3 Plate Offsets (X, Y): [1:Edge,0-1-8]

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	0.24	Vert(LL)	0.00	3-4	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	ВС	0.23	Vert(CT)	0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 12 lb	FT = 20%F, 12%E

LUMBER Vert: 3-4=-7, 1-2=-167

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

BRACING

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

bracing.

REACTIONS (size) 3=0-3-8, 4= Mechanical Max Grav 3=291 (LC 8), 4=298 (LC 3)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-295/0, 2-3=-292/0, 1-2=-13/0

BOT CHORD 3-4=0/0

WEBS 1-3=0/28

NOTES

- 1) Bearings are assumed to be: , Joint 3 SP No.3 .
- Refer to girder(s) for truss to truss connections.
- Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 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

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft)



🗥 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

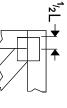
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing 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/TPH 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

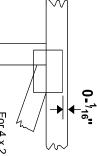
Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated.

Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



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

ω

6

5

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3

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

connector plates.

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

PLATE SIZE

4 × 4

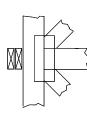
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



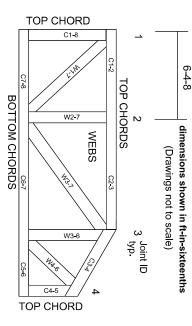
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: DSB-22:

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

Numbering System



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

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

Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282 ESR-4722, ESL-1388

Design General Notes

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

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

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ENGINEERING BY

MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

▲ General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- 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.

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Never exceed the design loading shown and never stack materials on inadequately braced trusses.

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- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- 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.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- 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.
- 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.
- 15. 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.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- The design does not take into account any dynamic or other loads other than those expressly stated.