

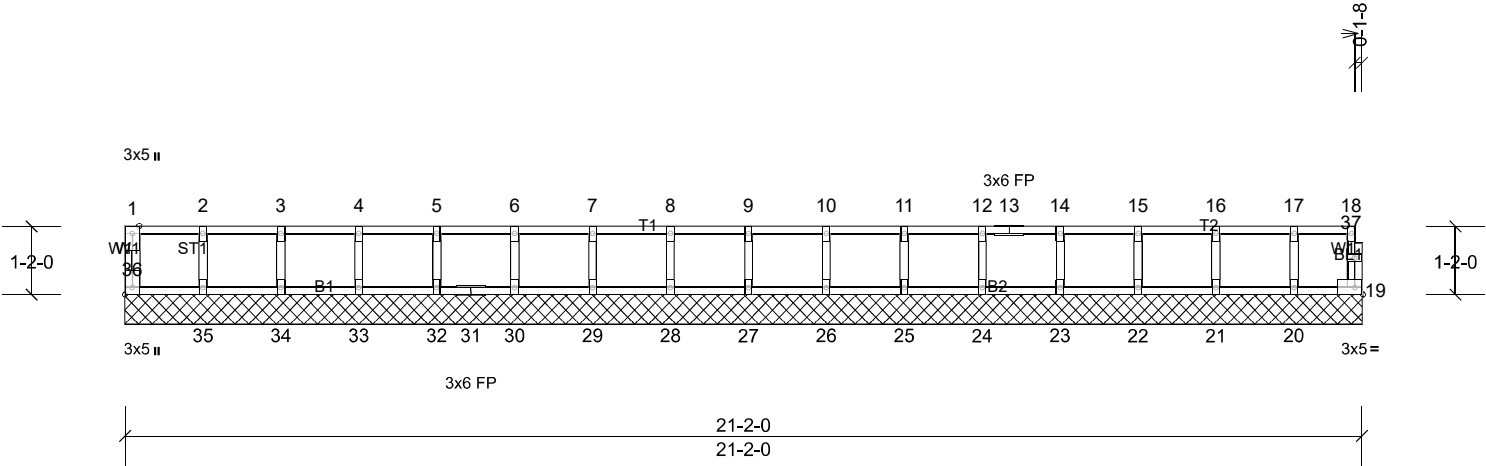
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F201	Floor Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user

Run: 8.63 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:13:21

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ID:c3QG_J4L4uuYsQtm2vtJn8yft4I-13aJimXMnnEWu1eExSPcd0D34TM39qe4mF?QfAydqPC



Scale = 1:39.4

Plate Offsets (X, Y): [36:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 88 lb	FT = 20%F, 11%E

LUMBER

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.

REACTIONS All bearings 21-2-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint

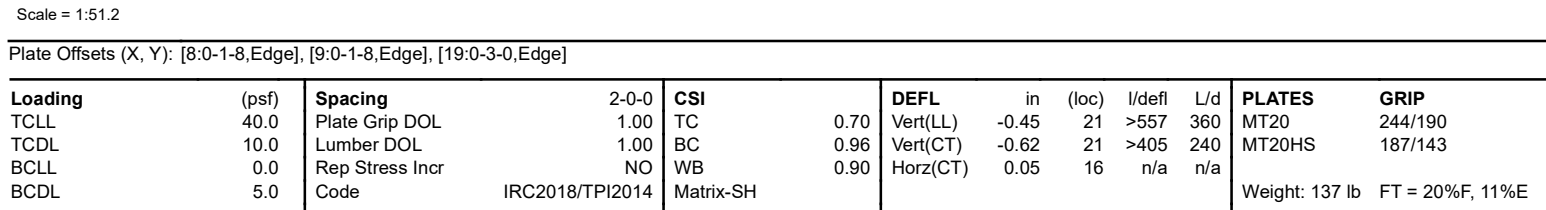
(s) 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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.
 - 7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Carter Components, Sanford, NC, user Run: 8.630 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:13:21 Page: ID:yu5UWEgtla1l67J7oYrrOvyftIR-13aJimXMnnEWu1eExSPcd0dWZT8D9c24mf?QfAydqPC



TOP CHORD	2x4 SP 2400F 2.0E(flat) *Except* T2:2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat) *Except* B2:2x4 SP No.1 (flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

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

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 lb or less except when shown.
TOP CHORD	2-3=-3418/0, 3-4=-3418/0, 4-5=-5400/0, 5-6=-5400/0, 6-7=-6062/0, 7-8=-6062/0, 8-9=-5819/0, 9-10=-4824/0, 10-11=-4824/0, 11-12=-4824/0, 12-13=-2428/0, 13-14=-2428/0

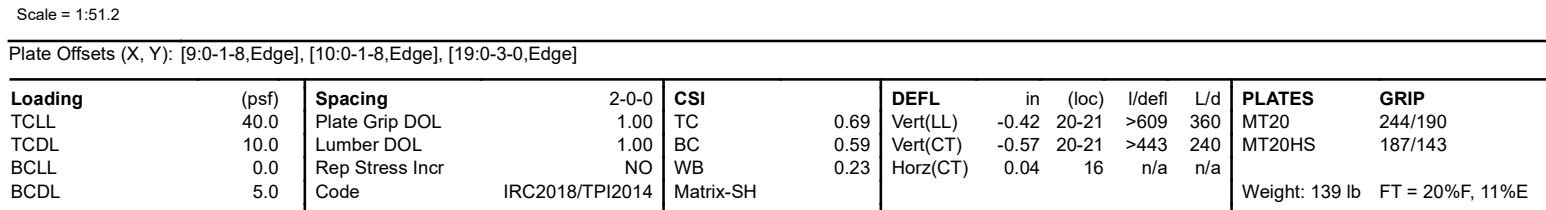
BOT CHORD 24-25=0/1923, 23-24=0/4576, 22-23=0/4576
21-22=0/5905, 20-21=0/5819, 19-20=0/5819
18-19=0/5819, 17-18=0/3801, 16-17=0/781

WEBS 8-20=-644/109, 9-19=-36/408, 2-25=-2191/0
13-24/0/1719, 4-24=-133/404, 4-22=0/947,
6-22=-580/0, 6-21=-28/405, 8-21=-366/802,
9-18=-1365/0, 12-18=0/1176, 12-17=-1578/0
14-17=0/1894, 14-16=-1349/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.
- 6) CAUTION. Do not erect truss backwards.

LOAD CASE(S) Standard

Carter Components, Sanford, NC, user Run: 8.630 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:13:21 Page: ID:c3QG J4L4uuYsQtm2vtJn8yft4l-13aJimXMnnEWu1eExSPcd0DWjD?9nV4mf?QfAydqPC

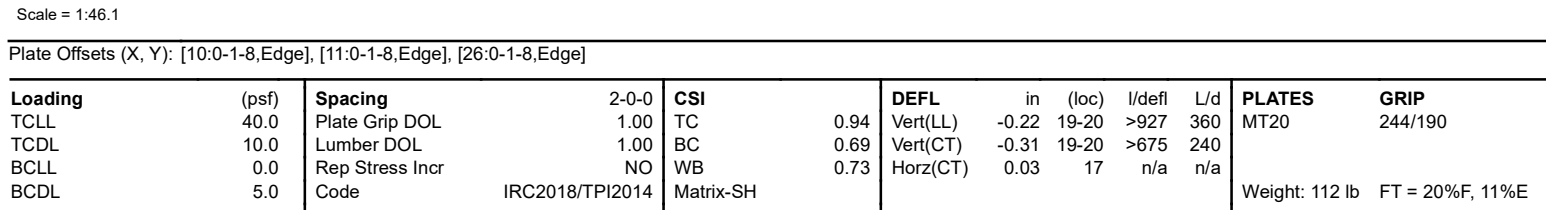


BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

WEBS 9-20=-571/93, 10-19=-30/452, 2-25=-2223/0,
2-24=0/1743, 4-24=-1369/0, 4-22=0/972,
6-22=-621/0, 6-21=0/401, 9-21=-367/739,
10-18=-1433/0, 12-18=0/1198,
12-17=-1599/0, 14-17=0/1933,
14-16=-1371/0

LOAD CASE(S) Standard

Carter Components, Sanford, NC, user Run: 8.630 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:13:21 Page: ID:RDnXFN96gkehalLwOA j1Pyft4C-13aJimXMnnEWU1eExSPcd0DspTCR9fh4mF?QfAydqPC



BRACING
TOP CHORD Structural wood sheathing directly applied or

REACTIONS (lb/size) 17=815/0-3-8, (min. 0-1-8),
25=1879/0-5-8, (min. 0-1-8),
27=368/0-3-8, (min. 0-1-8)
Max Uplift 27=531 (LC 4)
Max Grav 17=815 (LC 1), 25=1879 (LC 1),
27=64 (LC 3)

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

TOP CHORD 2-3=0/2044, 3-4=0/2044, 4-5=0/2044,
5-6=-847/0, 6-7=-847/0, 7-8=-2508/0,
8-9=-2508/0, 9-10=-2508/0, 10-11=-2838/0,
11-12=-2842/0, 12-13=-2842/0,
13-14=-1605/0, 14-15=-1605/0

BOT CHORD 26-27=-956/0, 25-26=-2044/0, 24-25=-495/0,
23-24=-495/0, 22-23=0/1833, 21-22=0/2838,
20-21=0/2838, 19-20=0/2838, 18-19=0/2362,
17-18=0/517

WEBS 4-25=-719/0, 10-21=-47/390, 2-27=0/1106,
2-26=-1414/0, 3-26=0/504, 5-25=-1792/0,
5-23=0/1541, 7-23=-1154/0, 7-22=0/788,
9-22=-87/252, 10-22=-965/0,
11-19=-369/236, 13-19=0/561, 13-18=-884/0,
15-18=0/1270, 15-17=-959/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) One RT8A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 27. This connection is for uplift only and does not consider lateral forces.

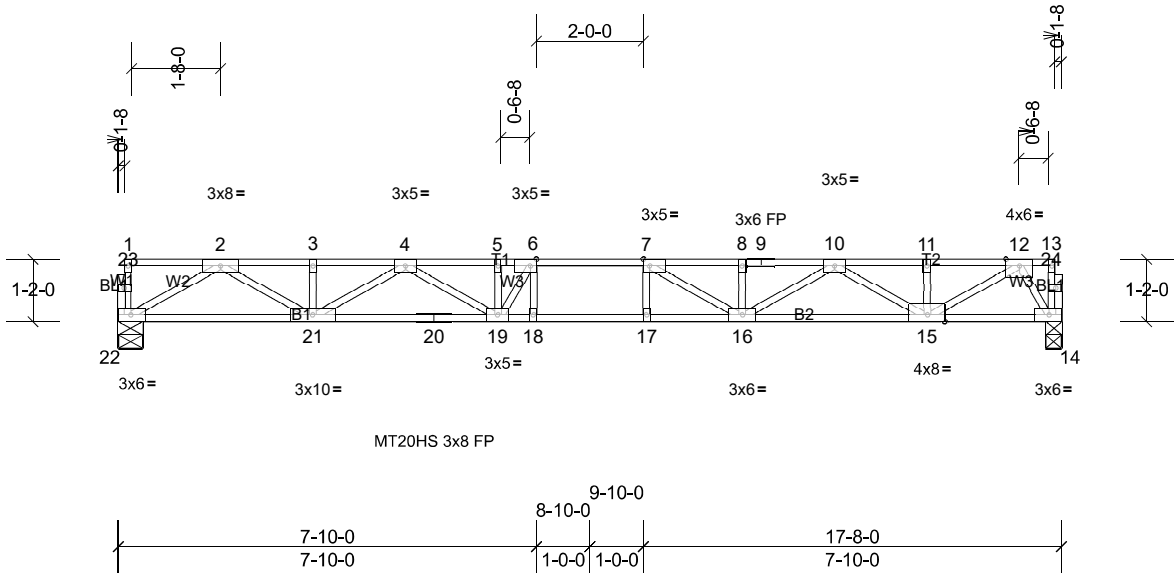
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F205	Floor	4	1	Job Reference (optional)

Carter Components, Sanford, NC, user

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Scale = 1:43.2

Plate Offsets (X, Y): [6:0-1-8,Edge], [7:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.81	Vert(LL)	-0.28	17-18	>760	360	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.38	17-18	>551	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.06	14	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 91 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.1(flat) *Except* B2:2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-7-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 14=952/0-3-8, (min. 0-1-8), 22=952/0-5-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2602/0, 3-4=-2602/0, 4-5=-3840/0, 5-6=-3840/0, 6-7=-3959/0, 7-8=-3580/0, 8-9=-3580/0, 9-10=-3580/0, 10-11=-1920/0, 11-12=-1920/0
BOT CHORD	21-22=0/1492, 20-21=0/3379, 19-20=0/3379, 18-19=0/3959, 17-18=0/3959, 16-17=0/3959, 15-16=0/2900, 14-15=0/606
WEBS	2-22=-1721/0, 2-21=0/1295, 4-21=-907/0, 4-19=0/556, 6-19=-675/257, 7-16=-751/0, 10-16=0/794, 10-15=-1144/0, 12-15=0/1534, 12-14=-1125/0

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

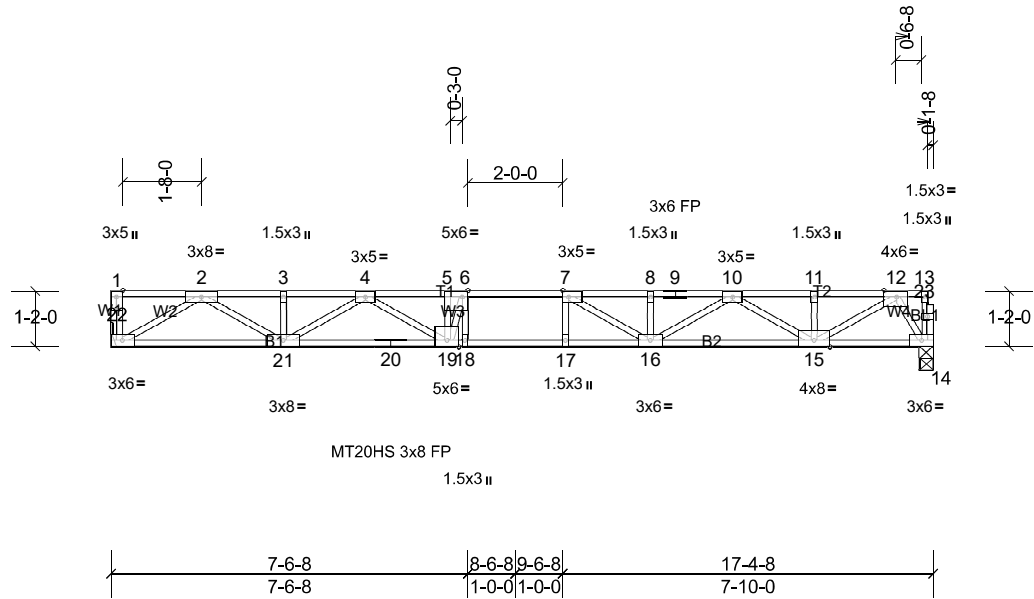
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F206	Floor	4	1	Job Reference (optional)

Carter Components, Sanford, NC, user

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Scale = 1:48.7

Plate Offsets (X, Y): [6:0-1-8,Edge], [7:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.28	17-18	>734	360	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.38	17-18	>534	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.06	14	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 90 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-6-9 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 14=936/0-3-8, (min. 0-1-8),
 22=942/ Mechanical, (min. 0-1-8)

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

TOP CHORD 2-3=-2547/0, 3-4=-2547/0, 4-5=-3739/0,
 5-6=-3739/0, 6-7=-3828/0, 7-8=-3497/0,
 8-9=-3497/0, 9-10=-3497/0, 10-11=-1884/0,
 11-12=-1884/0

BOT CHORD 21-22=0/1466, 20-21=0/3298, 19-20=0/3298,
 18-19=0/3828, 17-18=0/3828, 16-17=0/3828,
 15-16=0/2836, 14-15=0/595

WEBS 6-18=-282/322, 2-22=-1696/0, 2-21=0/1262,
 4-21=-877/0, 4-19=0/572, 5-19=-238/296,
 6-19=-859/373, 7-16=-701/23, 10-16=0/771,
 10-15=-1111/0, 12-15=0/1505, 12-14=-1104/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.
- 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

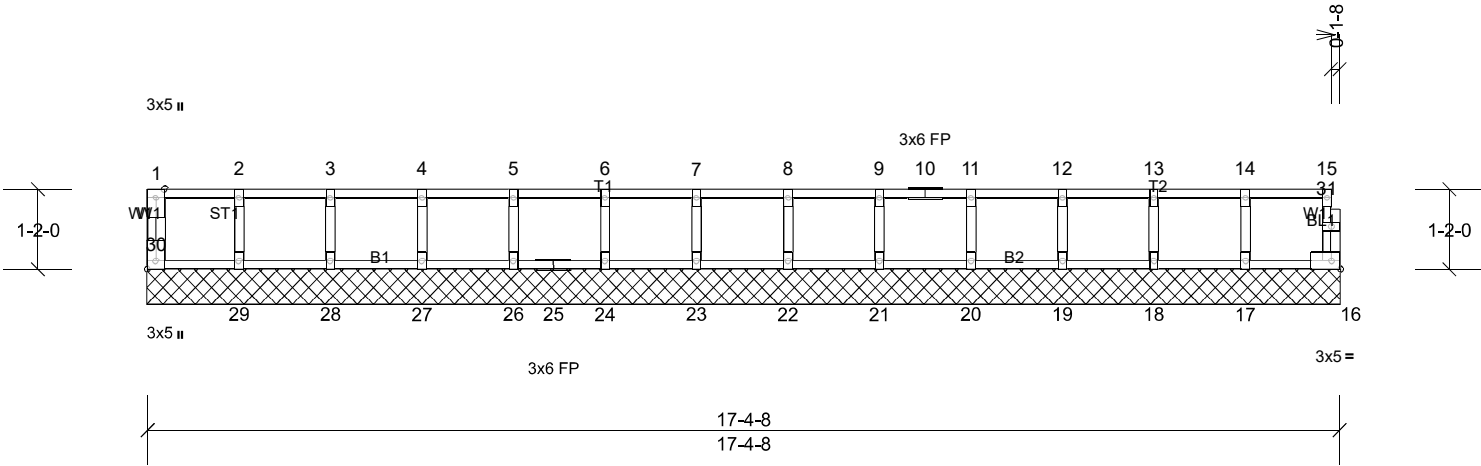
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F207	Floor Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user

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Scale = 1:33.6

Plate Offsets (X, Y): [30:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 73 lb	FT = 20%F, 11%E

LUMBER

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.

REACTIONS All bearings 17-4-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint

(s) 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

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

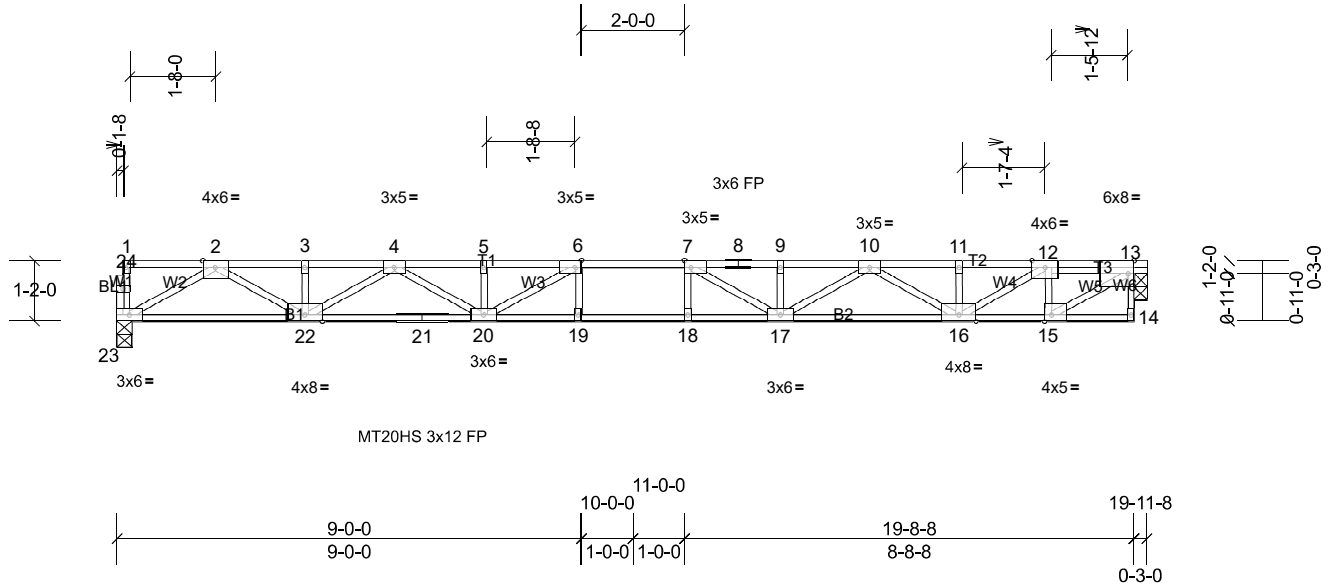
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F208	Floor	5	1	Job Reference (optional)

Carter Components, Sanford, NC, user

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Scale = 1:44.7

Plate Offsets (X, Y): [6:0-1-8,Edge], [7:0-1-8,Edge], [13:0-1-8,Edge], [15:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.85	Vert(LL)	-0.43	18-19	>551	360	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.58	18-19	>401	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	-0.02	13	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 103 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.1(flat) *Except* B2:2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 13=1074/0-3-0, (min. 0-1-8), 23=1067/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2992/0, 3-4=-2992/0, 4-5=-4624/0, 5-6=-4624/0, 6-7=-4982/0, 7-8=-4563/0, 8-9=-4563/0, 9-10=-4563/0, 10-11=-2860/0, 11-12=-2860/0, 12-13=-1543/0
BOT CHORD	22-23=0/1690, 21-22=0/3957, 20-21=0/3957, 19-20=0/4982, 18-19=0/4982, 17-18=0/4982, 16-17=0/3865, 15-16=0/1540
WEBS	2-23=-1950/0, 2-22=0/1519, 4-22=-1127/0, 4-20=0/779, 6-20=-826/112, 7-17=-876/65, 10-17=0/815, 10-16=-1173/0, 12-15=-922/0, 12-16=0/1542, 13-15=0/1804

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 1.5x3 MT20 unless otherwise indicated.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.
- Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- CAUTION: Do not erect truss backwards.

LOAD CASE(S) Standard

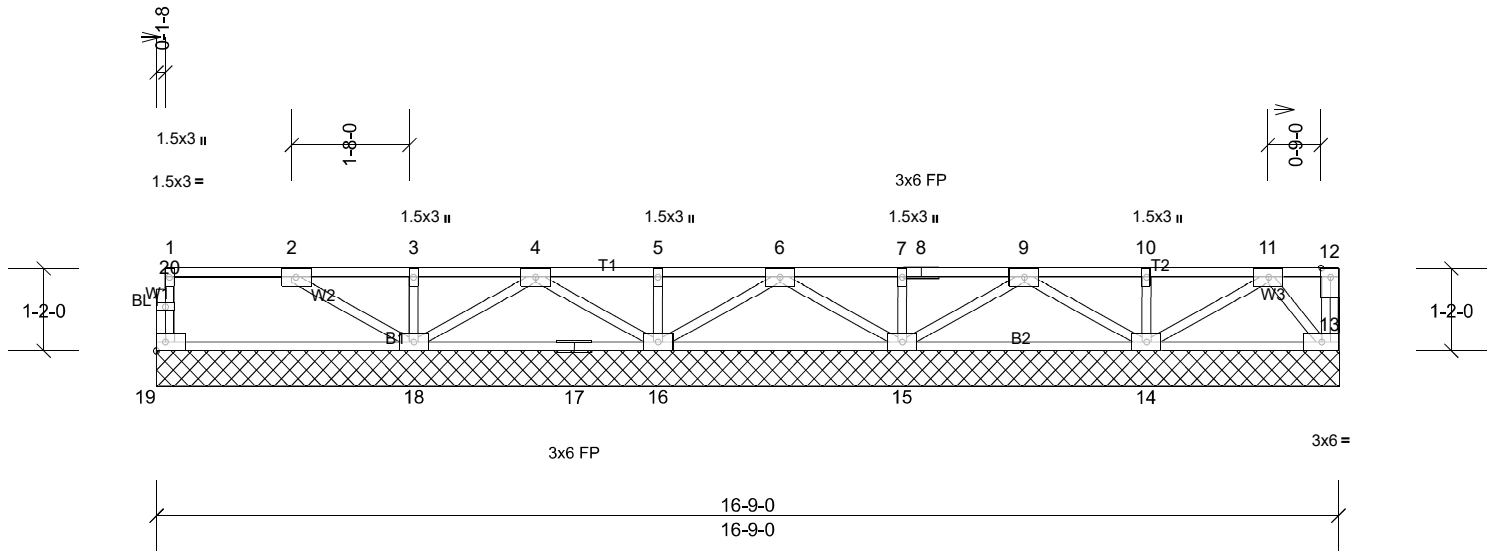
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F209	Floor	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user

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Scale = 1:32.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 85 lb	FT = 20%F, 11%E

LUMBER

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:
 6-0-0 oc bracing: 16-18.

REACTIONS

All bearings 16-9-0.
 (lb) - Max Grav All reactions 250 (lb) or less at joint
 (s) 13, 19 except 14=354 (LC 1),
 15=385 (LC 1), 16=319 (LC 1),
 18=553 (LC 1)

FORCES

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

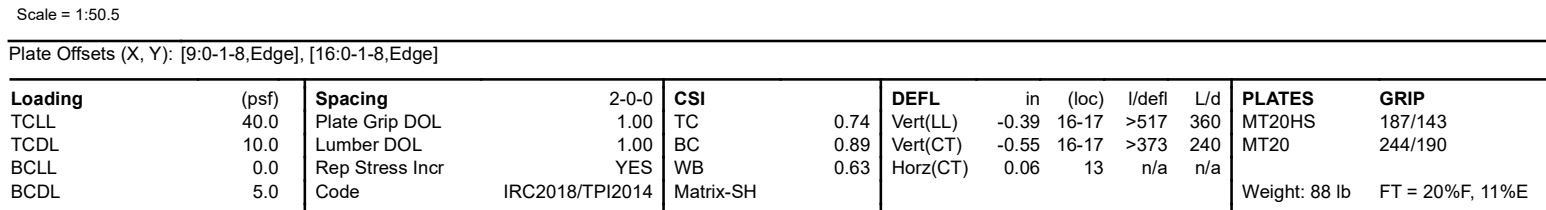
TOP CHORD 2-3=0/305, 3-4=0/305
 WEBS 2-18=-361/0, 4-18=-290/0

NOTES

- 1) All plates are 3x5 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

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BOT CHORD	2x4 SP No.2(flat) *Except* B2:2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.3(flat) *Except* W1:2x4 SP No.2 (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.

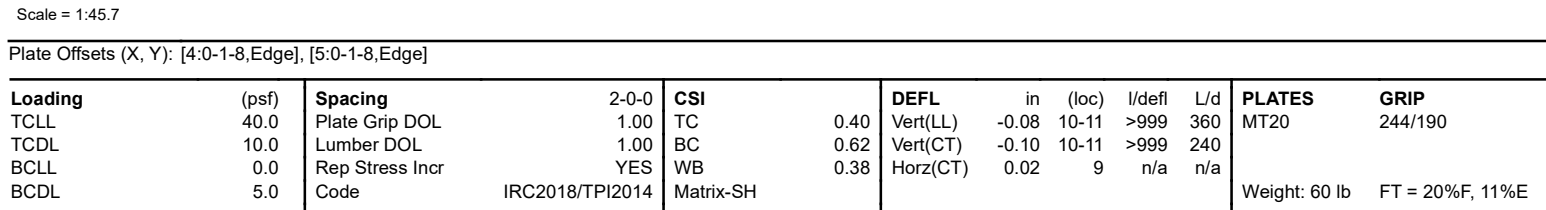
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	20-21=-1133/0, 1-21=-1018/0, 2-3=-2643/0, 3-4=-2643/0, 4-5=-3796/0, 5-6=-3796/0, 6-7=-3796/0, 7-8=-3392/0, 8-9=-3392/0, 9-10=-2068/0, 10-11=-2068/0
BOT CHORD	19-20=0/1598, 18-19=0/3374, 17-18=0/3374 16-17=0/3845, 15-16=0/3392, 14-15=0/3392 13-14=0/931
WEBS	9-15=0/301, 2-20=-1684/0, 2-19=0/1219, 4-19=-854/0, 4-17=0/493, 7-16=-701/80, 9-14=-1587/0, 11-14=0/1327, 11-13=-1290/0

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) The Fabrication Tolerance at joint 18 = 11%
- 5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00,
Plate Increase=1.00
Uniform Loads (lb/ft)

Carter Components, Sanford, NC, user Run: 8.630 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:13:22 Page: ID:4G eCf5 rC0PTaSzbdOYKMylf4H-VG8hw6Y Y5MNWBDQU9wrAEI9 tZluCQD?vkzBcydqPB



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)

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 (lb/size) 9=617/0-3-8, (min. 0-1-8),
14=617/0-3-8, (min. 0-1-8)

(lb) or less except when shown.

TOP CHORD 2-3=-1465/0, 3-4=-1465/0, 4-5=-1660/0,
5-6=-1288/0, 6-7=-1288/0

BOT CHORD 13-14=0/920, 12-13=0/1660, 11-12=0/1660,
10-11=0/1660, 9-10=0/598

WEBS 2-14=-1060/0, 2-13=0/636, 4-13=-461/0,
5-10=-559/0, 7-10=0/806, 7-9=-826/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

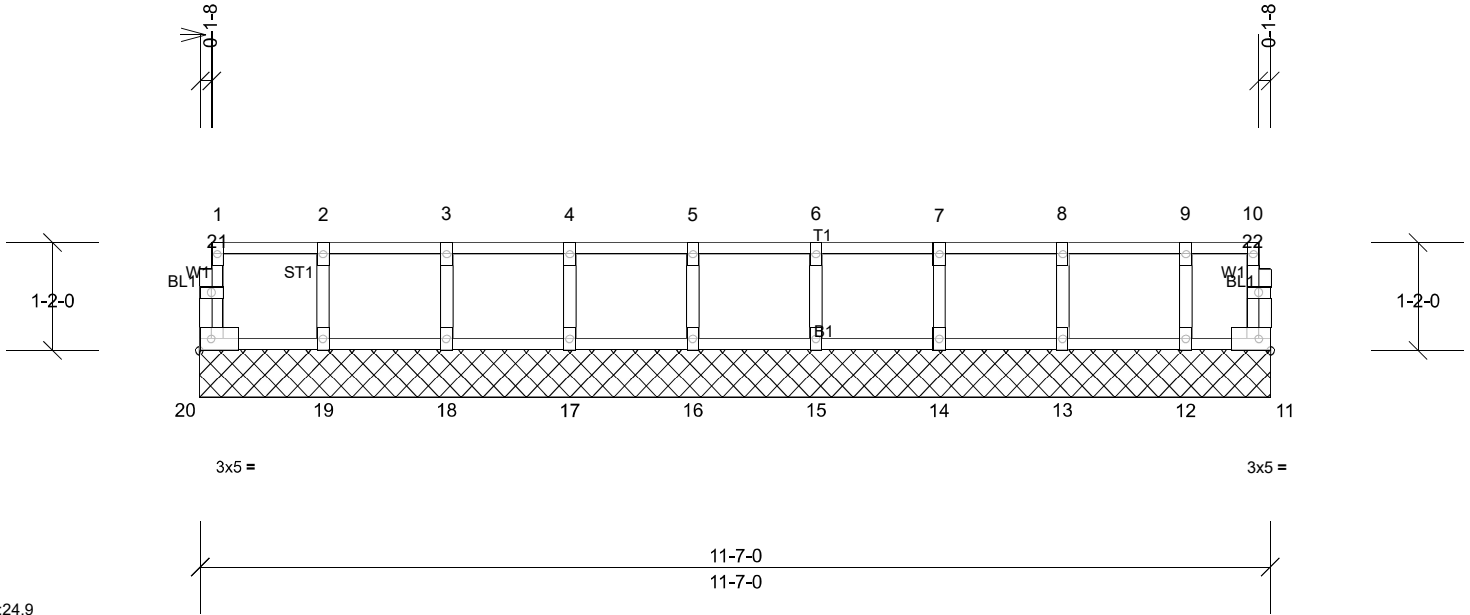
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F212	Floor Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user

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Scale = 1:24.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 50 lb	FT = 20%F, 11%E

LUMBER

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

REACTIONS

All bearings 11'-7".
 (lb) - Max Grav All reactions 250 (lb) or less at joint
 (s) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

FORCES

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

NOTES

- Unbalanced floor live loads have been considered for this design.
- 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" oc.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10'-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

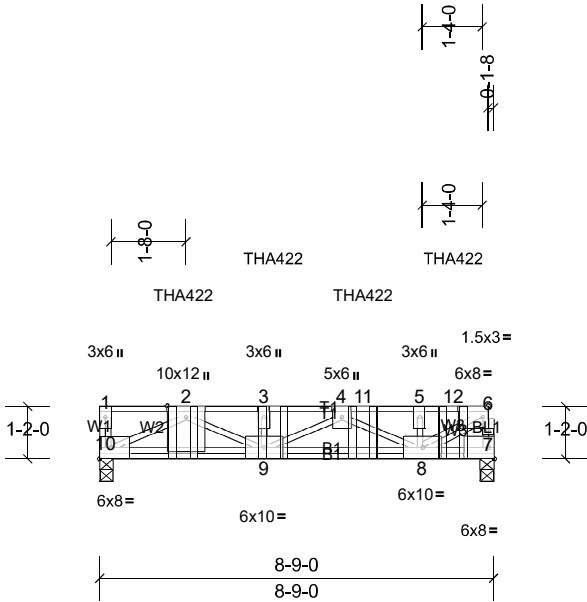
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F213	Floor Girder	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user

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Scale = 1:51.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.08	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.11	8-9	>919	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 73 lb	FT = 20%F, 11%E

- LUMBER**
- 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.

- REACTIONS** (lb/size)
- 7=2337/0-3-8, (min. 0-1-8),
 - 10=1977/0-3-8, (min. 0-1-8)

- FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- TOP CHORD 6-7=-2320/0, 2-3=-5134/0, 3-4=-5134/0, 4-11=-3185/0, 5-11=-3185/0, 5-12=-3118/0, 6-12=-3130/0
 - BOT CHORD 9-10=0/3608, 8-9=0/4912
 - WEBS 2-10=-4052/0, 2-9=0/1727, 3-9=-920/0, 4-9=0/251, 4-8=-1941/0, 5-8=-999/0, 6-8=0/3663

- NOTES**
- 1) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 2) 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.
 - 3) CAUTION, Do not erect truss backwards.
 - 4) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-4 from the left end to 7-10-4 to connect truss(es) F206 (1 ply 2x4 SP) to front face of top chord.
 - 5) Fill all nail holes where hanger is in contact with lumber.

- LOAD CASE(S)** Standard
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (lb/ft)
 - Vert: 7-10=-10, 1-6=-100
 - Concentrated Loads (lb)
 - Vert: 2=-842, 3=-842, 11=-842, 12=-853

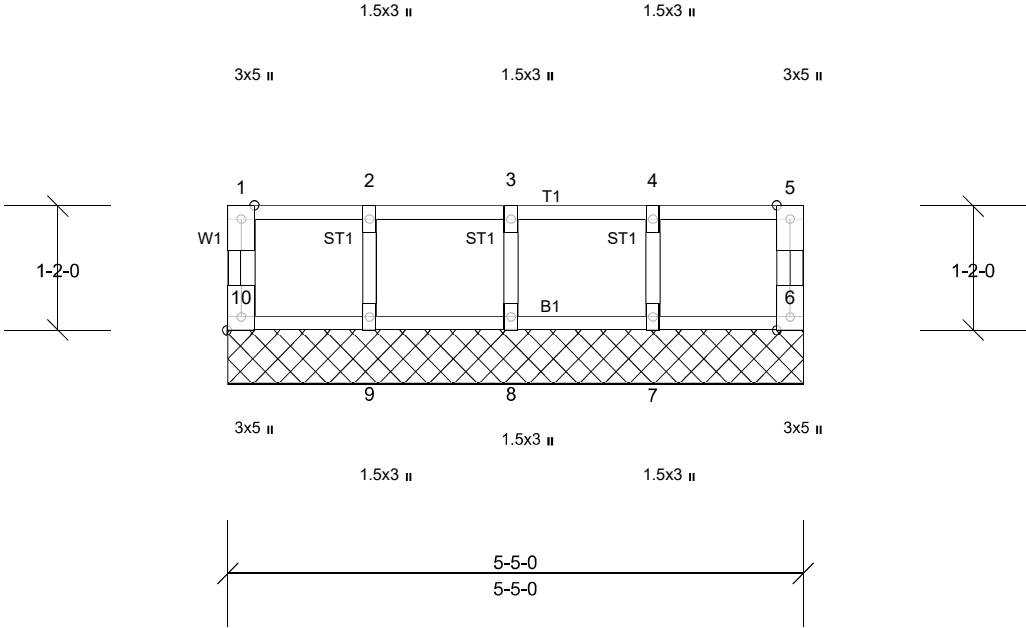
Job	Truss	Truss Type	Qty	Ply	
23090033 - Elev B	F214	Floor Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user

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Scale = 1:21.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 26 lb	FT = 20%F, 11%E

LUMBER

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

REACTIONS All bearings 5-5-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint

(s) 6, 7, 8, 9, 10

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250

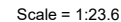
(lb) or less except when shown.

NOTES

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

Carter Components, Sanford, NC, user Run: 8.630 S Dec 22 2022 Print: 8.630 S Dec 22 2022 MiTek Industries, Inc. Thu Sep 14 16:13:23 Page: ID:YSY0P?6ccW8G5k199KvntZyft4G-zSi37RZcJPUD7Lod2tR4iRIPkG2Ndk8NEZUXi2ydpQA



LUMBER	
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)

TOP CHORD	Structural wood sheathing directly applied or 3-6-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 3-6-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint
(s) 5, 6, 7, 8

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

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