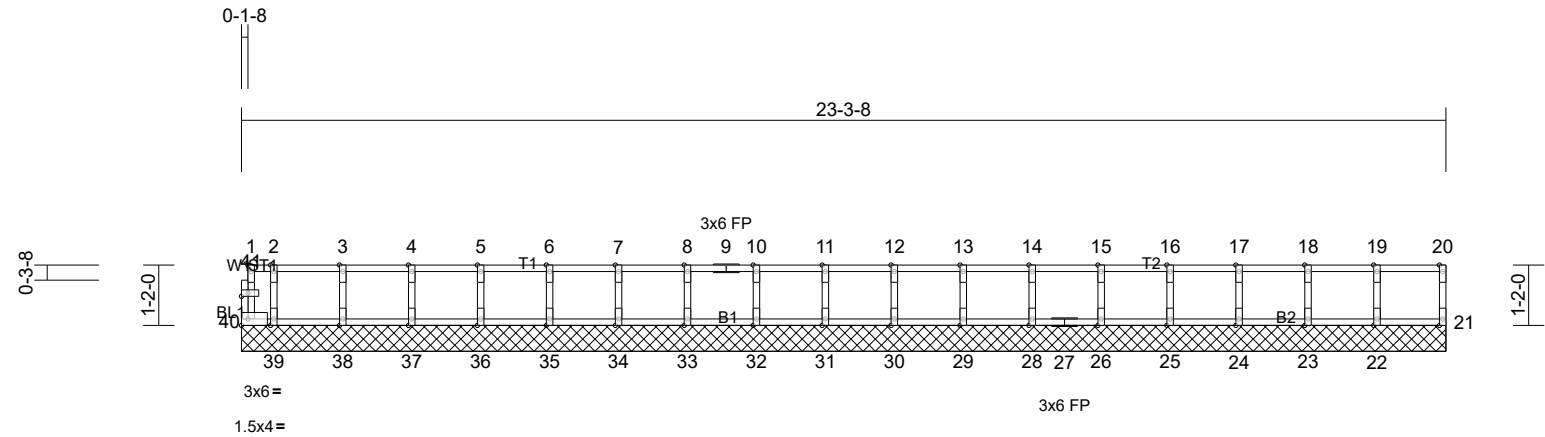


Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F1	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:43.7

Plate Offsets (X, Y): [1:Edge,0-0-12], [41:0-1-8,0-0-12]

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	15.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 96 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.2(flat)
OTHERS 2x4 SP No.2(flat) *Except* BL1:2x4 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.

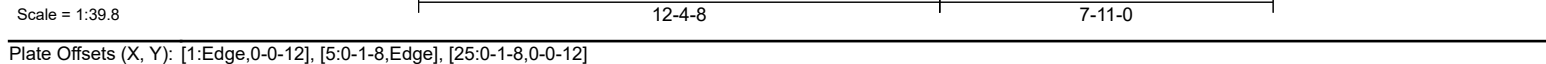
REACTIONS All bearings 23-3-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint
(s) 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40

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

NOTES
1) All plates are 1.5x4 (||) 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 10-00-00 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

84 Components, Dunn, NC 28334 Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Thu Oct 30 16:02:10 Page: ID:TpKioLBpiMW KBUTg4xBs?yOVIA-lhO YHltqGeQq 8pHfT8Q 4OY7mQ4pdJ0cly59yOBUX



LUMBER	
TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.2(flat) *Except* B3,B2:2x4 SP No.1(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)

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.

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

TOP CHORD 2-3=-2913/0, 3-4=-4960/0, 4-5=-6151/0,
5-6=-6572/0, 6-7=-6572/0, 7-8=-6171/0,
8-9=-6171/0, 9-10=-4955/0, 10-11=-2914/0

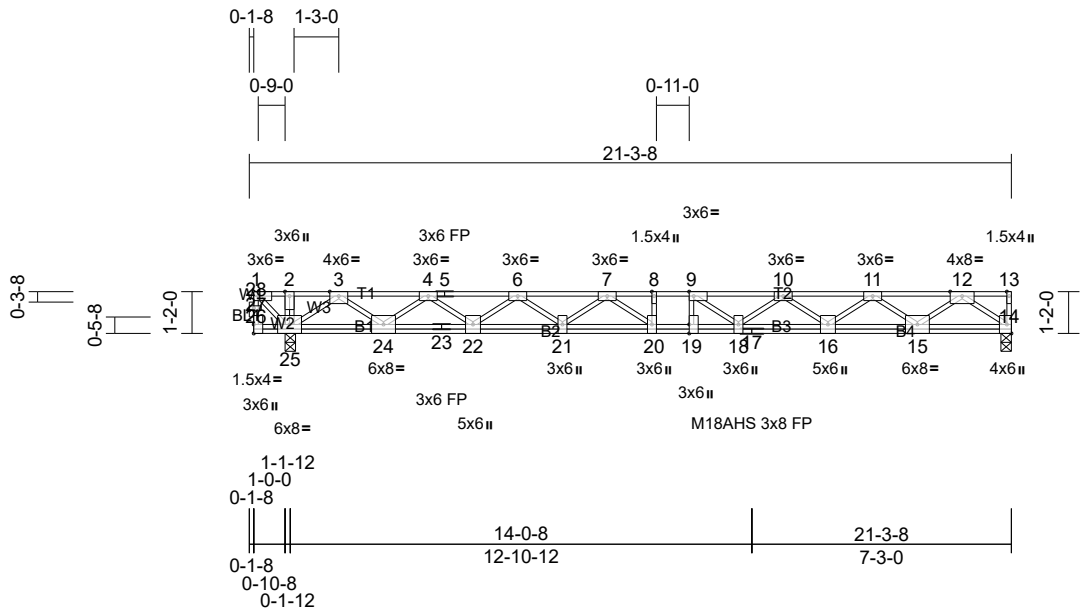
BOT CHORD 23-24=0/1759, 22-23=0/4115, 21-22=0/5736,
20-21=0/6572, 19-20=0/6572, 18-19=0/6572,
17-18=0/6530, 16-17=0/6530, 15-16=0/5740,
14-15=0/4114, 13-14=0/1647

WEBS 11-13=-2055/0, 2-24=-2095/0, 11-14=0/1609,
2-23=0/1470, 10-14=-1524/0, 3-23=-1527/0,
10-15=0/1068, 3-22=0/1073, 9-15=-997/0,
4-22=-986/0, 9-16=0/548, 4-21=0/627,
7-16=-514/0, 5-21=-769/0, 7-18=-284/437,
5-19=-191/302

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) 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.
- 4) CAUTION. Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F3	Floor	5	1	Job Reference (optional)



Scale = 1:49

Plate Offsets (X, Y): [9:0-1-8,Edge], [19:0-3-0,Edge], [27:0-1-8,0-0-12]

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	0.95	Vert(LL)	-0.40	20	>600	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.65	20	>369	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 137 lb	FT = 20%F, 11%E

- LUMBER**
- TOP CHORD 2x4 SP No.2(flat) *Except* T2:2x4 SP No.1 (flat)
- BOT CHORD 2x4 SP No.1(flat) *Except* B1,B4:2x4 SP No.2(flat)
- WEBS 2x4 SP No.2(flat)
- OTHERS 2x4 SP No.2(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.

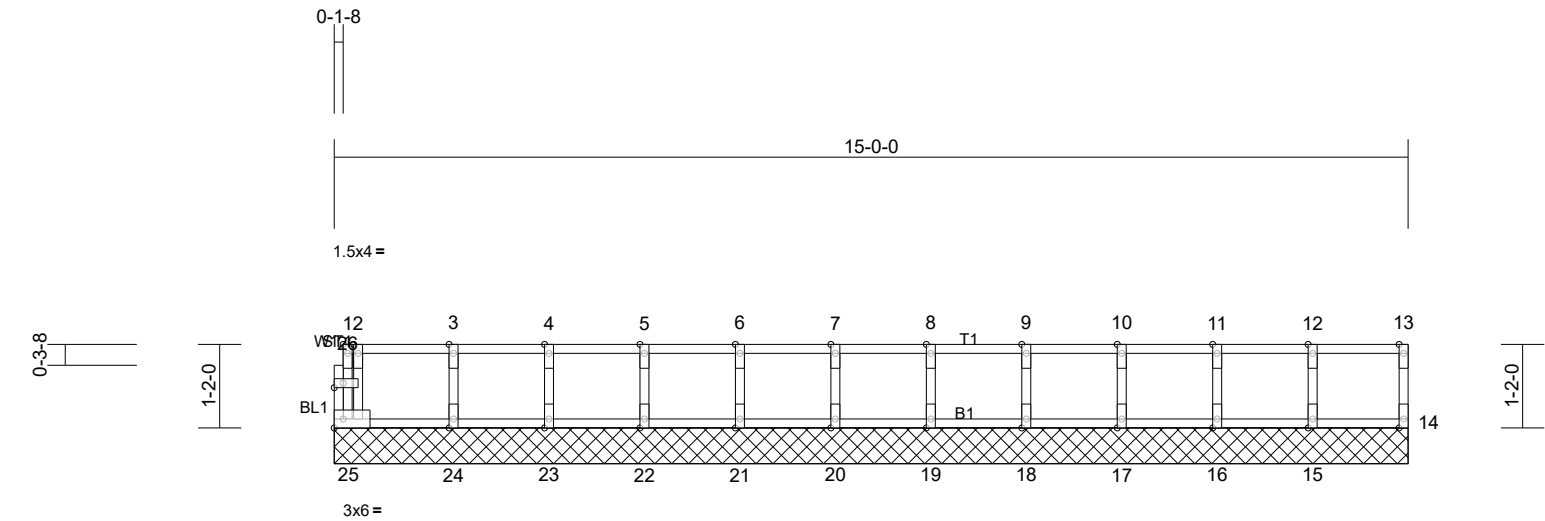
- REACTIONS** (lb/size) 14=1303/0-3-8, (min. 0-1-8), 25=1433/0-3-8, (min. 0-1-8)
- Max Grav 14=1305 (LC 4), 25=1433 (LC 1)

- FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- TOP CHORD 3-4=-2934/0, 4-5=-4984/0, 5-6=-4984/0, 6-7=-6193/0, 7-8=-6591/0, 8-9=-6591/0, 9-10=-6162/0, 10-11=-4971/0, 11-12=-2917/0
- BOT CHORD 24-25=0/1694, 23-24=0/4139, 22-23=0/4139, 21-22=0/5765, 20-21=0/6551, 19-20=0/6591, 18-19=0/6591, 17-18=0/5747, 16-17=0/5747, 15-16=0/4123, 14-15=0/1649
- WEBS 3-25=-2052/0, 12-14=-2057/0, 3-24=0/1578, 12-15=0/1611, 4-24=-1534/0, 11-15=-1531/0, 4-22=0/1076, 11-16=0/1077, 6-22=-995/0, 10-16=-986/0, 6-21=0/546, 10-18=0/628, 7-21=-518/0, 9-18=-776/0, 7-20=-286/442, 9-19=-191/306

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) 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.
 - 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F4	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:31.4

Plate Offsets (X, Y): [1:Edge,0-0-12], [26:0-1-8,0-0-12]

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 63 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.2(flat)
OTHERS 2x4 SP No.2(flat) *Except* BL1:2x4 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.

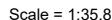
REACTIONS All bearings 15-0-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint (s) 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25

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

- NOTES**
- 1) All plates are 1.5x4 (||) 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 10-00-00 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

84 Components, Dunn, NC 28334 Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Thu Oct 30 16:02:11 Page: ID:3jQgYu3wTMUrgildCAKNG0yOHaN-nuyMdiVbZmGS8j0rM NyCdmmXKjpbNZSEGvVdbyOBUw



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	15.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	17	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 75 lb	FT = 20%F, 11%E

Vert: 16=-141 (F)

BRACING

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

(lb) - Max Grav All reactions 250 (lb) or less at joint
(s) 18, 19, 20, 21, 22, 24, 25, 26,
27, 28, 29, 30, 31, 32 except
17=304 (LC 3)

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

TOP CHORD $16-17=-299/0$

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x4 (||) MT20 unless otherwise indicated.
- 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 5) Gable studs spaced at 1-4-0 oc.
- 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.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 296 lb down at 17-11-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Dead + Floor Live (balanced): Lumber Increase=1.00,
Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 17-32=-20, 1-16=-110
Concentrated Loads (lb)

Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F6	Floor	7	1	Job Reference (optional)

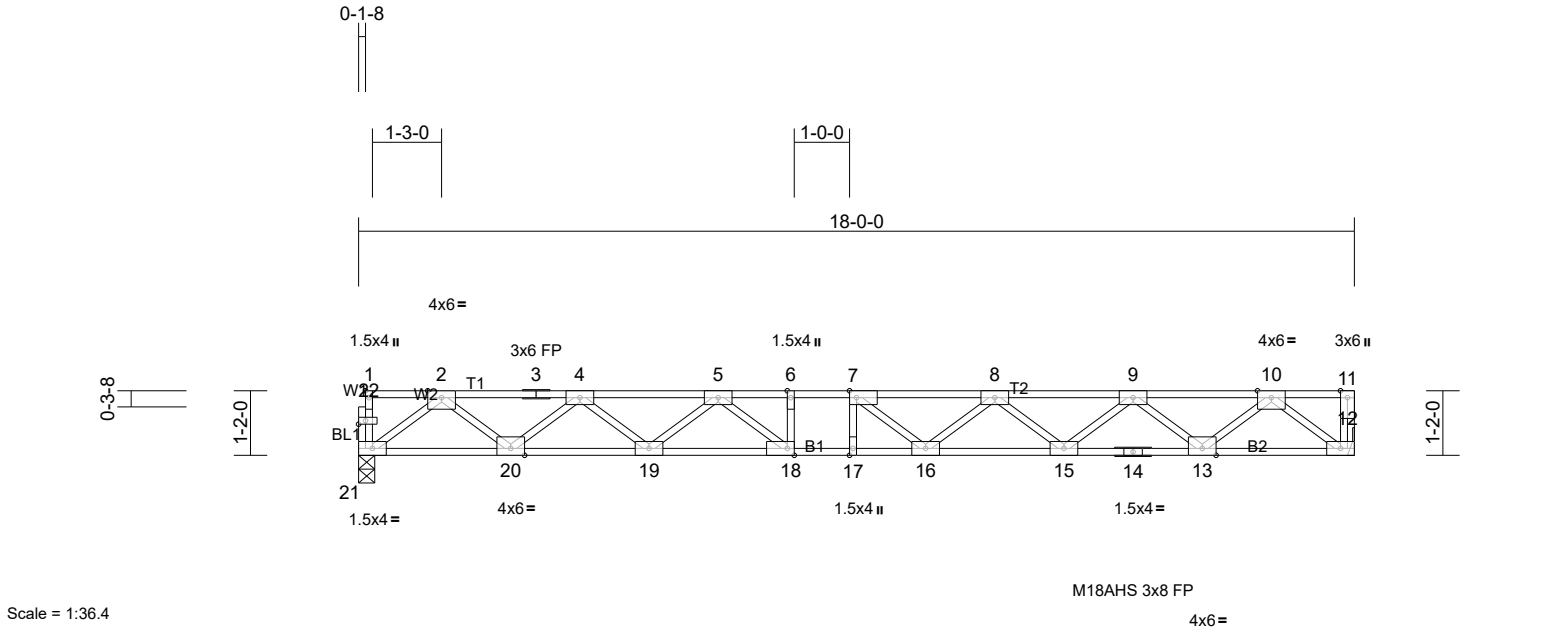


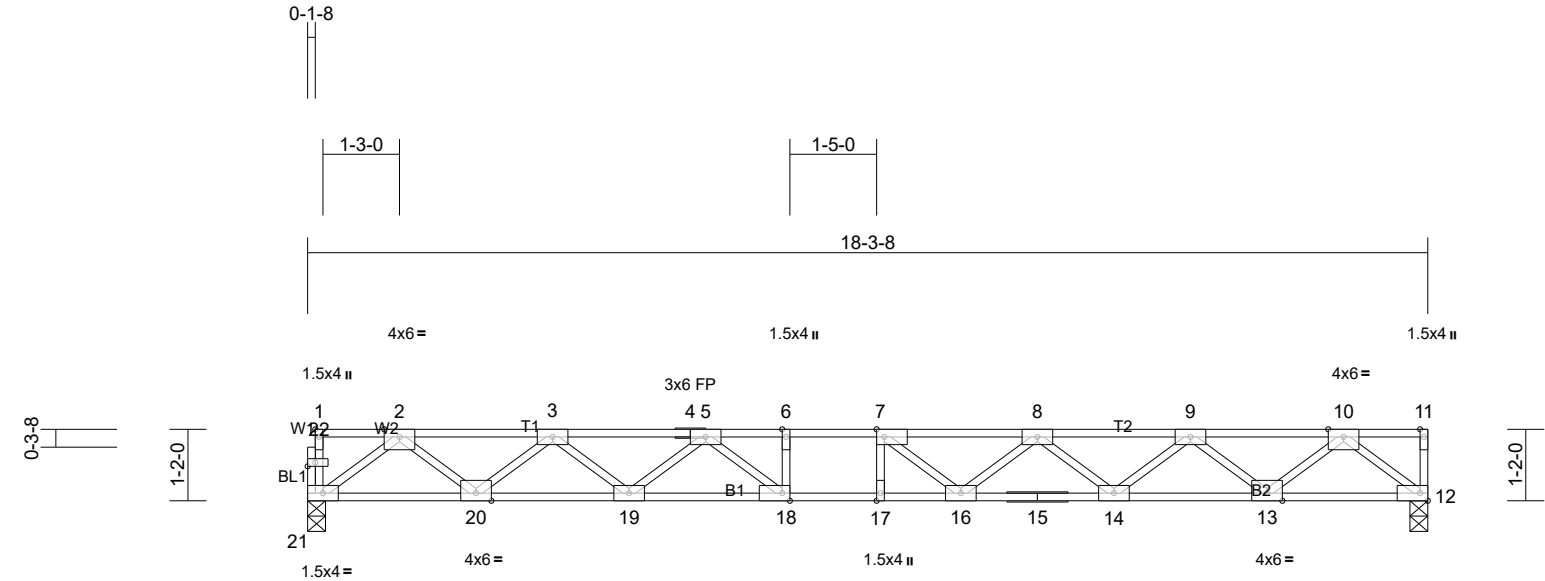
Plate Offsets (X, Y): [1:Edge,0-0-12], [7:0-1-8,Edge], [18:0-1-8,Edge], [22:0-1-8,0-0-12]													
Loading		(psf)	Spacing		2-0-0	CSI	DEFL		in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0		Plate Grip DOL	1.00	TC	0.75	Vert(LL)	-0.28	16-17	>753	480	M18AHS	186/179
TCDL	15.0		Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.46	16-17	>465	360	MT20	244/190
BCLL	0.0		Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.08	12	n/a	n/a		
BCDL	10.0		Code	IRC2021/TPI2014	Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

- LUMBER**
- TOP CHORD 2x4 SP No.2(flat) *Except* T2:2x4 SP No.1 (flat)
- BOT CHORD 2x4 SP DSS(flat) *Except* B2:2x4 SP No.2 (flat)
- WEBS 2x4 SP No.2(flat)
- OTHERS 2x4 SP No.2(flat)
- BRACING**
- TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins, except end verticals.
- BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 13-15.
- REACTIONS** (lb/size) 12=1154/ Mechanical, (min. 0-1-8), 21=1147/0-3-8, (min. 0-1-8)
- FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- TOP CHORD 2-3=-2448/0, 3-4=-2448/0, 4-5=-3987/0, 5-6=-4870/0, 6-7=-4870/0, 7-8=-4765/0, 8-9=-4002/0, 9-10=-2445/0
- BOT CHORD 20-21=0/1429, 19-20=0/3395, 18-19=0/4542, 17-18=0/4870, 16-17=0/4870, 15-16=0/4564, 14-15=0/3388, 13-14=0/3388, 12-13=0/1432
- WEBS 10-12=-1796/0, 2-21=-1789/0, 10-13=0/1319, 2-20=0/1327, 9-13=-1227/0, 4-20=-1232/0, 9-15=0/799, 4-19=0/770, 8-15=-732/0, 5-19=-722/0, 8-16=0/417, 5-18=0/670, 7-16=-412/169

- 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 3x6 (=) MT20 unless otherwise indicated.
 - 4) The Fabrication Tolerance at joint 14 = 11%
 - 5) Refer to girder(s) for truss to truss connections.
 - 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

Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F7	Floor	2	1	Job Reference (optional)



Scale = 1:36.8

M18AHS 3x12 FP

Plate Offsets (X, Y): [1:Edge,0-0-12], [7:0-1-8,Edge], [18:0-1-8,Edge], [22:0-1-8,0-0-12]

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)	-0.31	16-17	>690	480	M18AHS	186/179
TCDL	15.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.51	16-17	>426	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.08	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat) *Except* T2:2x4 SP No.1 (flat)

BOT CHORD 2x4 SP DSS(flat) *Except* B2:2x4 SP No.1 (flat)

WEBS 2x4 SP No.2(flat)

OTHERS 2x4 SP No.2(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins, except end verticals.

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

REACTIONS (lb/size) 12=1177/0-3-8, (min. 0-1-8), 21=1170/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2506/0, 3-4=-4097/0, 4-5=-4097/0, 5-6=-5058/0, 6-7=-5058/0, 7-8=-4920/0, 8-9=-4085/0, 9-10=-2452/0

BOT CHORD 20-21=0/1459, 19-20=0/3478, 18-19=0/4684, 17-18=0/5058, 16-17=0/5058, 15-16=0/4684, 14-15=0/4684, 13-14=0/3433, 12-13=0/1402

WEBS 10-12=-1790/0, 2-21=-1827/0, 10-13=0/1366, 2-20=0/1363, 9-13=-1277/0, 3-20=-1266/0, 9-14=0/849, 3-19=0/805, 8-14=-780/0, 5-19=-765/0, 8-16=0/464, 5-18=0/752, 7-16=-482/154, 6-18=-255/0

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 3x6 (=) MT20 unless otherwise indicated.

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

Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F8	Floor Girder	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

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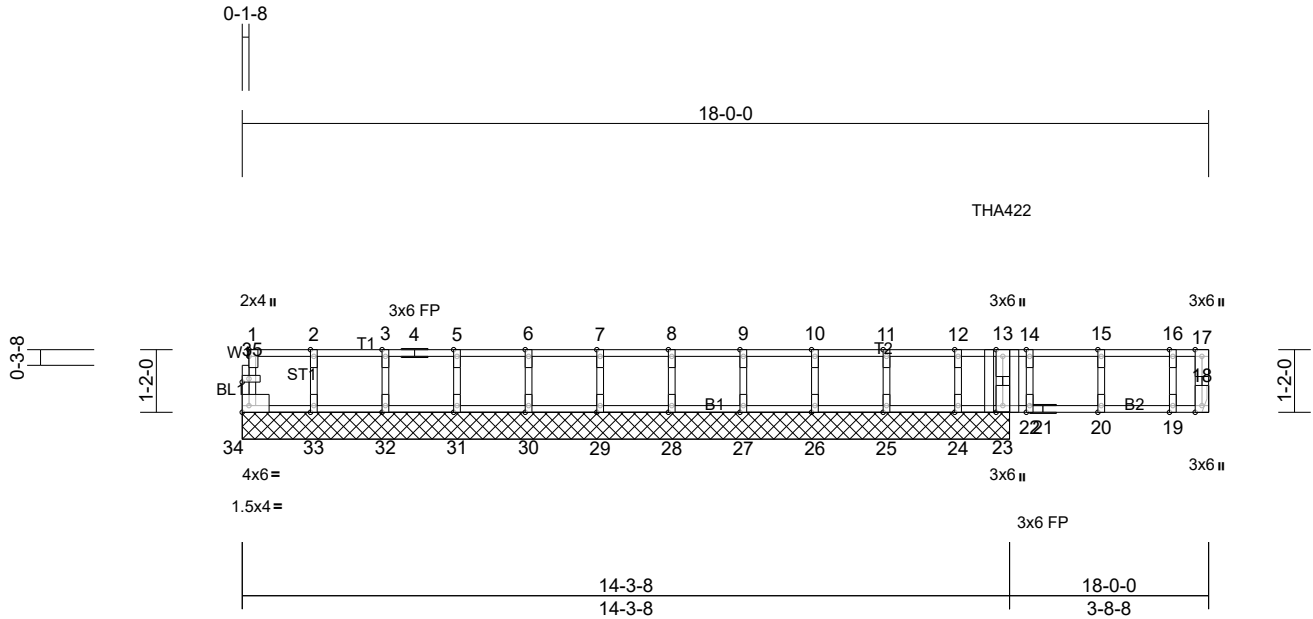


Plate Offsets (X, Y): [34:Edge,0-1-8], [35:0-1-8,0-0-12]

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	0.43	Vert(LL)	-0.04	20	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.07	19-20	>674	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.00	18	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 79 lb	FT = 20%F, 11%E

LUMBER Uniform Loads (lb/ft)
TOP CHORD 2x4 SP No.2(flat) Vert: 18-34=-20, 1-17=-110
BOT CHORD 2x4 SP No.2(flat) Concentrated Loads (lb)
WEBS 2x4 SP No.2(flat) Vert: 13=-154
OTHERS 2x4 SP No.2(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 14-3-8. except 18= Mechanical
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s)
33 except 24=-171 (LC 4)
Max Grav All reactions 250 (lb) or less at joint
(s) 18, 24, 25, 26, 27, 28, 29, 30,
31, 32, 33, 34 except 23=641 (LC
1)

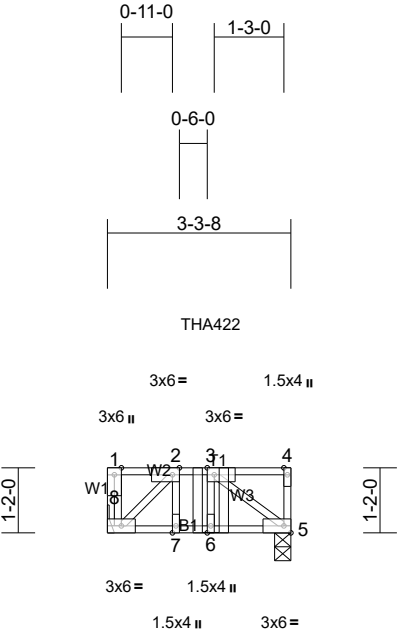
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.
WEBS 13-23=-407/0

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 1.5x4 (||) MT20 unless otherwise indicated.
 - 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) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 33 except (jt=lb) 24=170.
 - 7) 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.
 - 9) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 14-1-12 from the left end to connect truss(es) F9 (1 ply 2x4 SP) to back face of top chord.
 - 10) 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

Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F9	Floor Girder	1	1	Job Reference (optional)



Scale = 1:24.5

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,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	0.19	Vert(LL)	-0.01	5-6	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.01	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 21 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.2(flat)

BRACING

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

REACTIONS (lb/size) 5=266/0-3-8, (min. 0-1-8), 8=253/
Mechanical, (min. 0-1-8)
Max Grav 5=295 (LC 4), 8=264 (LC 3)

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

WEBS 3-5=-309/0, 2-8=-339/0

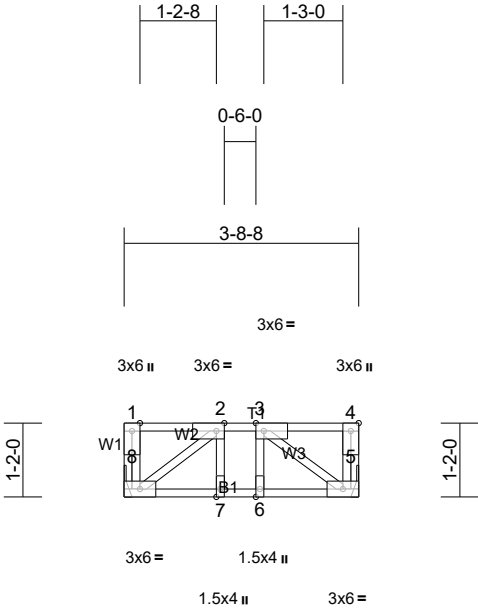
NOTES

- 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 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 1-10-4 from the left end to connect truss (es) F10 (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: 5-8=-20, 1-4=-110
Concentrated Loads (lb)
Vert: 3=-115

Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F10	Floor	1	1	Job Reference (optional)



Scale = 1:24.5

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,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	0.14	Vert(LL)	0.00	7-8	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	0.00	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 24 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.2(flat)

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

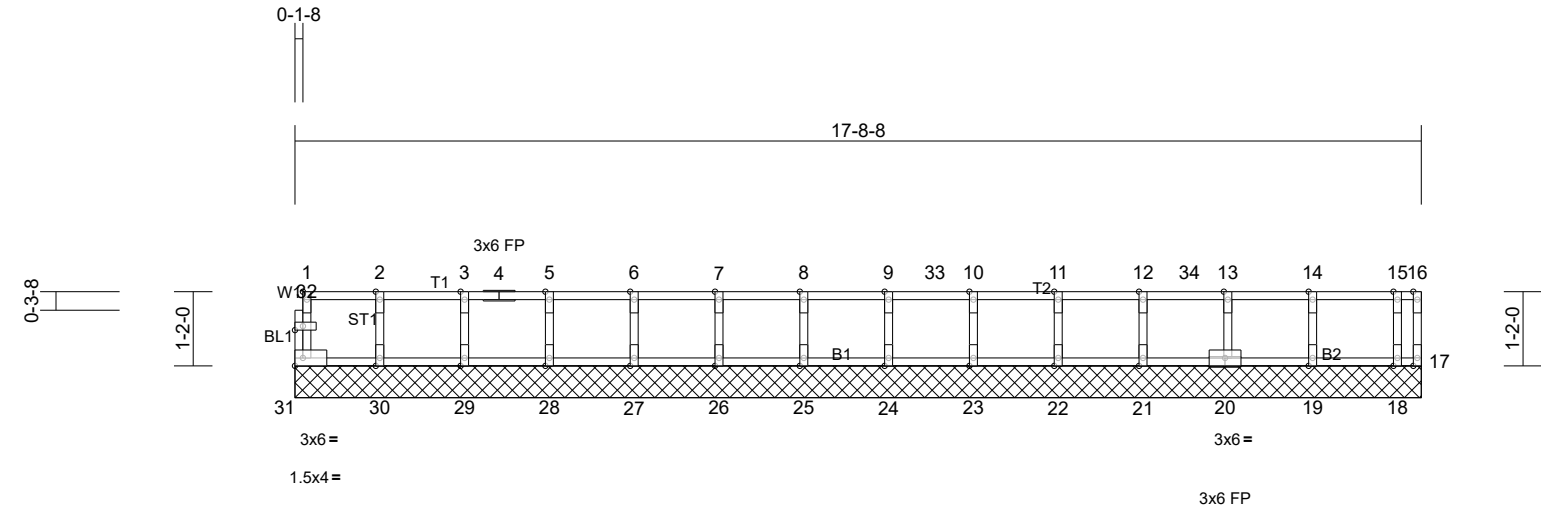
REACTIONS (lb/size) 5=225/ Mechanical, (min. 0-1-8),
8=225/ Mechanical, (min. 0-1-8)

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

NOTES
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 10-00-00 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	The Ann Job - Fisher Building Corp
2505794-31161	F11	Floor Supported Gable	1	1	Job Reference (optional)



Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F12	Floor	9	1	Job Reference (optional)

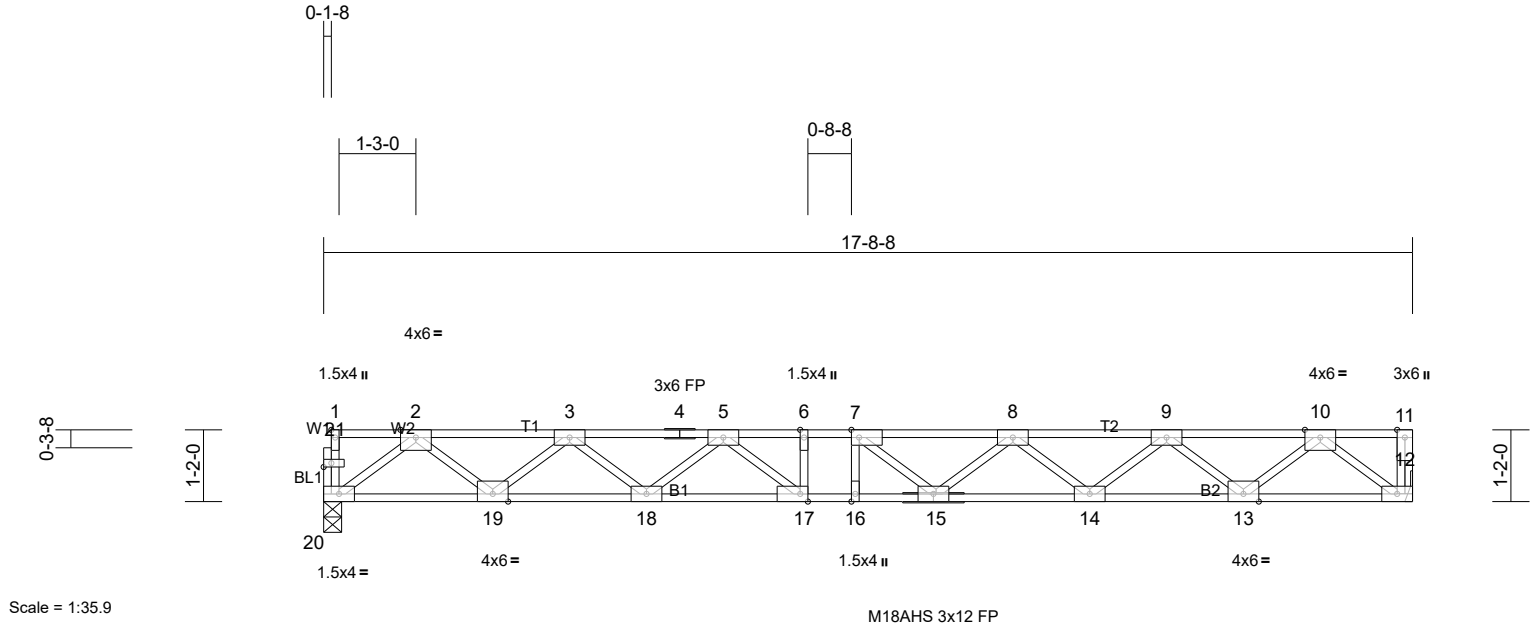
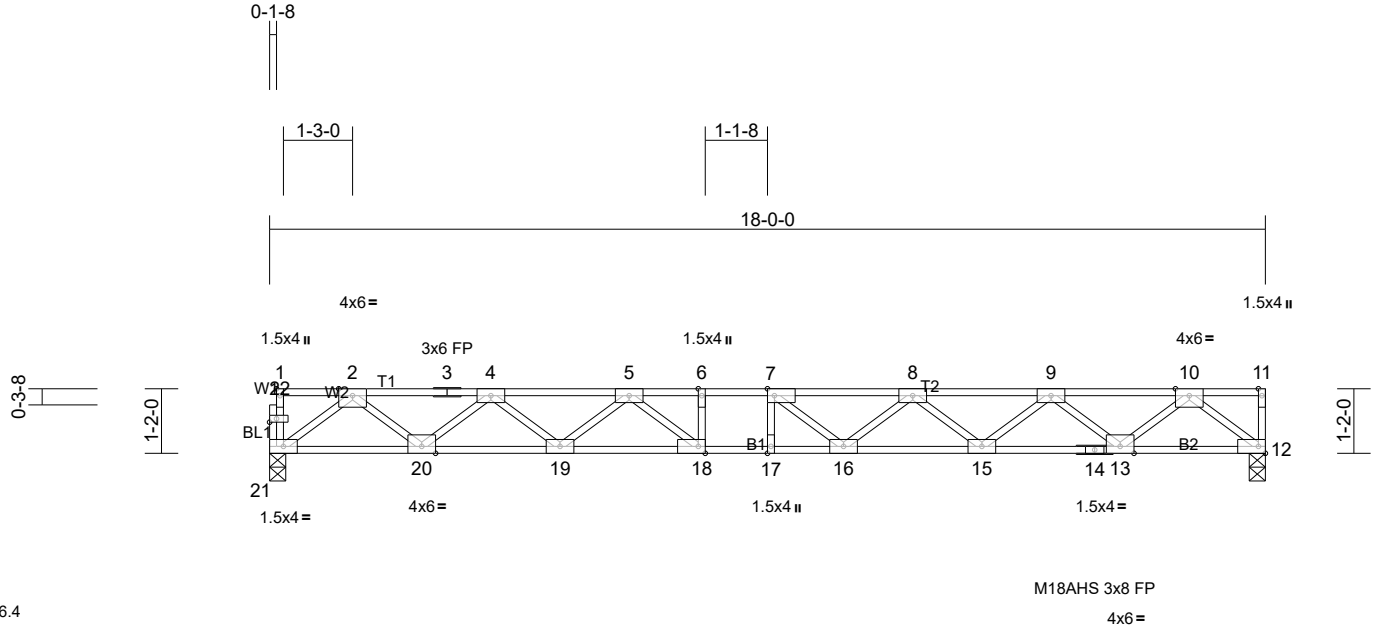


Plate Offsets (X, Y): [1:Edge,0-0-12], [7:0-1-8,Edge], [17:0-1-8,Edge], [21:0-1-8,0-0-12]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.93	Vert(LL)	-0.28	15-16	>735	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.46	15-16	>453	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 90 lb	FT = 20%F, 11%E

- LUMBER**
- TOP CHORD 2x4 SP No.2(flat)
- BOT CHORD 2x4 SP DSS(flat) *Except* B2:2x4 SP No.1 (flat)
- WEBS 2x4 SP No.2(flat)
- OTHERS 2x4 SP No.2(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) 12=1135/ Mechanical, (min. 0-1-8), 20=1128/0-3-8, (min. 0-1-8)
- FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- TOP CHORD 2-3=-2400/0, 3-4=-3895/0, 4-5=-3895/0, 5-6=-4718/0, 6-7=-4718/0, 7-8=-4628/0, 8-9=-3909/0, 9-10=-2397/0
- BOT CHORD 19-20=0/1404, 18-19=0/3323, 17-18=0/4427, 16-17=0/4718, 15-16=0/4718, 14-15=0/4446, 13-14=0/3319, 12-13=0/1407
- WEBS 10-12=-1765/0, 2-20=-1758/0, 10-13=0/1290, 2-19=0/1296, 9-13=-1200/0, 3-19=-1202/0, 9-14=0/769, 3-18=0/744, 8-14=-698/0, 5-18=-693/0, 8-15=0/387, 5-17=-17/603, 7-15=-369/171

- 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 3x6 (=) MT20 unless otherwise indicated.
 - 4) Refer to girder(s) for truss to truss connections.
 - 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

Page: 1

Scale = 1:36.4

Plate Offsets (X, Y): [1:Edge,0-0-12], [7:0-1-8,Edge], [18:0-1-8,Edge], [22:0-1-8,0-0-12]

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	0.76	Vert(LL)	-0.29	16-17	>747	480	M18AHS	186/179
TCDL	15.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.46	16-17	>462	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 90 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

21=1151/0-3-8, (min. 0-1-8)

FORCES

TOP CHORD 2-3=-2458/0, 3-4=-2458/0, 4-5=-4006/0,
5-6=-4904/0, 6-7=-4904/0, 7-8=-4784/0,
8-9=-3992/0, 9-10=-2406/0

BOT CHORD 20-21=0/1434, 19-20=0/3410, 18-19=0/4567,
17-18=0/4904, 16-17=0/4904, 15-16=0/4569,
14-15=0/3364, 13-14=0/3364, 12-13=0/1378

WEBS 10-12=-1759/0, 2-21=-1796/0, 10-13=0/1338,
2-20=0/1333, 9-13=-1247/0, 4-20=-1239/0,
9-15=0/818, 4-19=0/776, 8-15=-751/0,
5-19=-729/0, 8-16=0/433, 5-18=0/689,
7-16=-436/160

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 3x6 (=) MT20 unless otherwise indicated.
- 4) The Fabrication Tolerance at joint 14 = 11%
- 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	The Ann Job - Fisher Building Corp
2505794-31161	F14	Floor	2	1	Job Reference (optional)

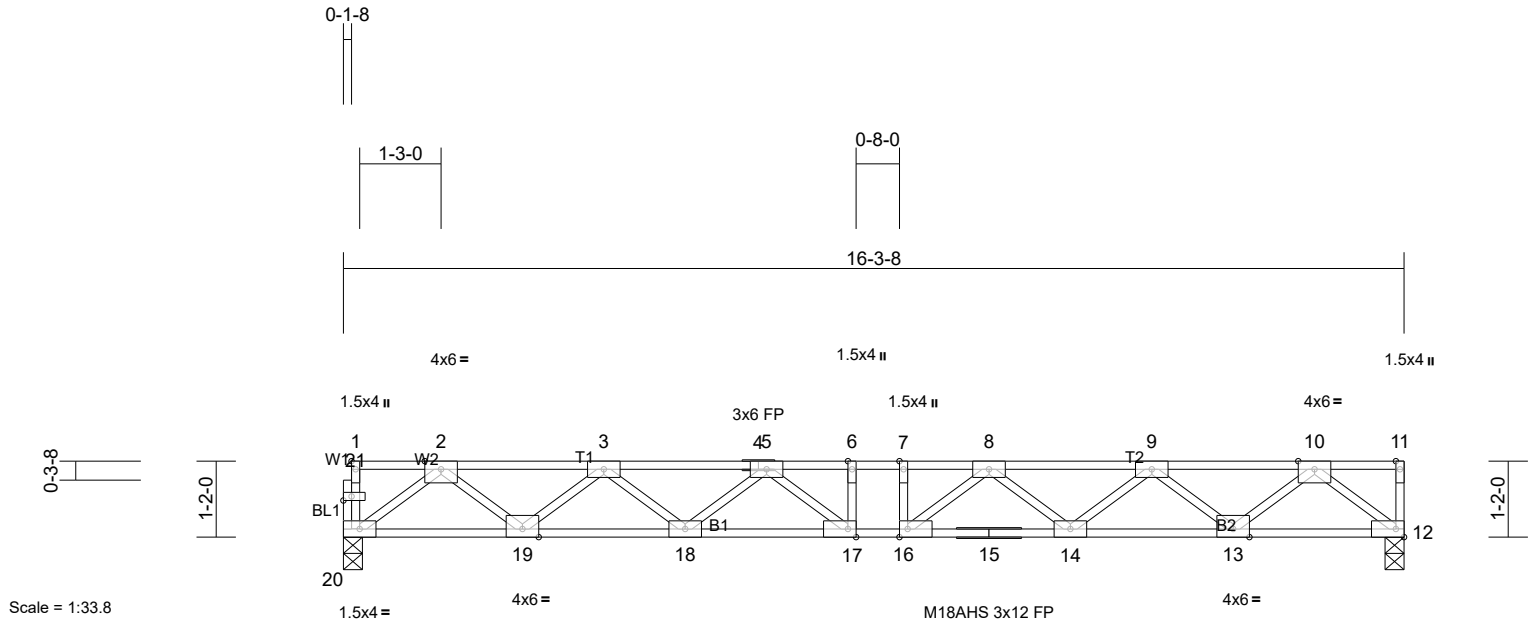


Plate Offsets (X, Y): [1:Edge,0-0-12], [16:0-1-8,Edge], [17:0-1-8,Edge], [21:0-1-8,0-0-12]

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	0.52	Vert(LL)	-0.21	17	>912	480	M18AHS	186/179
TCDL	15.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.34	17	>560	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 82 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.2(flat)
OTHERS 2x4 SP No.2(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.

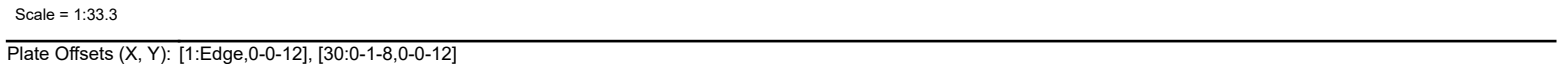
REACTIONS (lb/size) 12=1047/0-3-8, (min. 0-1-8),
20=1040/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2178/0, 3-4=-3473/0, 4-5=-3473/0, 5-6=-4026/0, 6-7=-4026/0, 7-8=-4026/0, 8-9=-3449/0, 9-10=-2135/0
BOT CHORD 19-20=0/1288, 18-19=0/3000, 17-18=0/3885, 16-17=0/4026, 15-16=0/3872, 14-15=0/3872, 13-14=0/2967, 12-13=0/1237
WEBS 10-12=-1579/0, 2-20=-1613/0, 10-13=0/1169, 2-19=0/1158, 9-13=-1083/0, 3-19=-1070/0, 9-14=0/628, 3-18=0/615, 8-14=-550/0, 5-18=-537/0, 8-16=-106/448, 5-17=-118/436

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 3x6 (=) MT20 unless otherwise indicated.
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

84 Components, Dunn, NC 28334 Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Thu Oct 30 16:02:14 Page: 1
ID:o0gTUKlfnWmxJDU9kxRHplyOHtR-BTeUeI0uU8JcRbWVY5aqFEeILM0k6vwEjAEwyOBUt



LUMBER		1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
TOP CHORD	2x4 SP No.2(flat)	Uniform Loads (lb/ft)
BOT CHORD	2x4 SP No.2(flat)	Vert: 16-29=-20, 1-15=-110
WEBS	2x4 SP No.2(flat)	Concentrated Loads (lb)
OTHERS	2x4 SP No.2(flat)	Vert: 4=-86 (F), 8=-86 (F), 11=-86 (F), 31=-86 (F), 32=-86 (F), 33=-86 (F), 34=-86 (F)
BRACING		
TOP CHORD	Structural wood sheathing directly applied or	

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

REACTIONS All bearings 16-3-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint
(s) 16, 18, 22, 25, 28, 29 except
17=271 (LC 4), 19=277 (LC 4),
20=264 (LC 4), 23=276 (LC 4),
24=264 (LC 4), 26=276 (LC 4),
27=266 (LC 4)

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

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x4 (||) MT20 unless otherwise indicated.
- 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 5) Gable studs spaced at 1-4-0 oc.
- 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.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 200 lb down at 2-0-12, 200 lb down at 4-0-12, 200 lb down at 6-0-12, 200 lb down at 8-0-12, 200 lb down at 10-0-12, and 200 lb down at 12-0-12, and 200 lb down at 14-0-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Ann Job - Fisher Building Corp
2505794-31161	F16	Floor Supported Gable	1	1	Job Reference (optional)

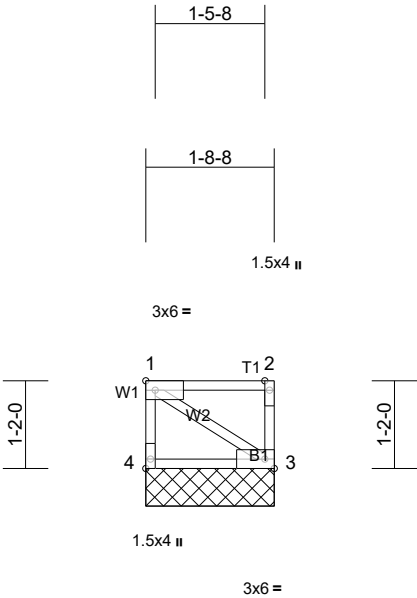


Plate Offsets (X, Y): [4:Edge,0-0-12]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 10 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.2(flat)
- BRACING**
- TOP CHORD Structural wood sheathing directly applied or 1-8-8 oc purlins, except end verticals.
- BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS** (lb/size) 3=103/1-8-8, (min. 0-1-8), 4=103/1-8-8, (min. 0-1-8)
- 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 10-00-00 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