

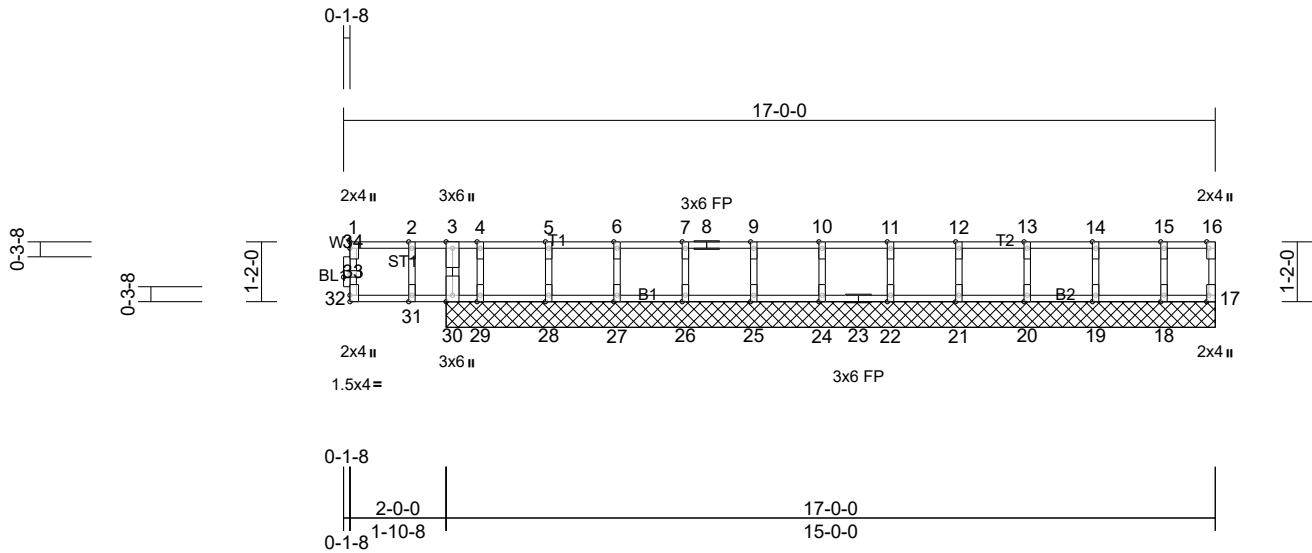
Job	Truss	Truss Type	Qty	Ply	The Freddy - Fisher Building Corp
2505793-31159	F1	Floor Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Oct 29 09:56:36

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Scale = 1:39.9

Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge], [33:0-1-8,0-0-12]

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	0.48	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.49	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	17	n/a	n/a		
BCDL	10.0	Code	IRC2021/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.2(flat)
OTHERS	2x4 SP No.2(flat)

BRACING

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

REACTIONS

All bearings	15-0-0.
(lb) - Max Uplift	All uplift 100 (lb) or less at joint(s) 17 except 29=-336 (LC 3)
Max Grav	All reactions 250 (lb) or less at joint (s) 17, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29 except 18=271 (LC 1), 30=628 (LC 1)

FORCES

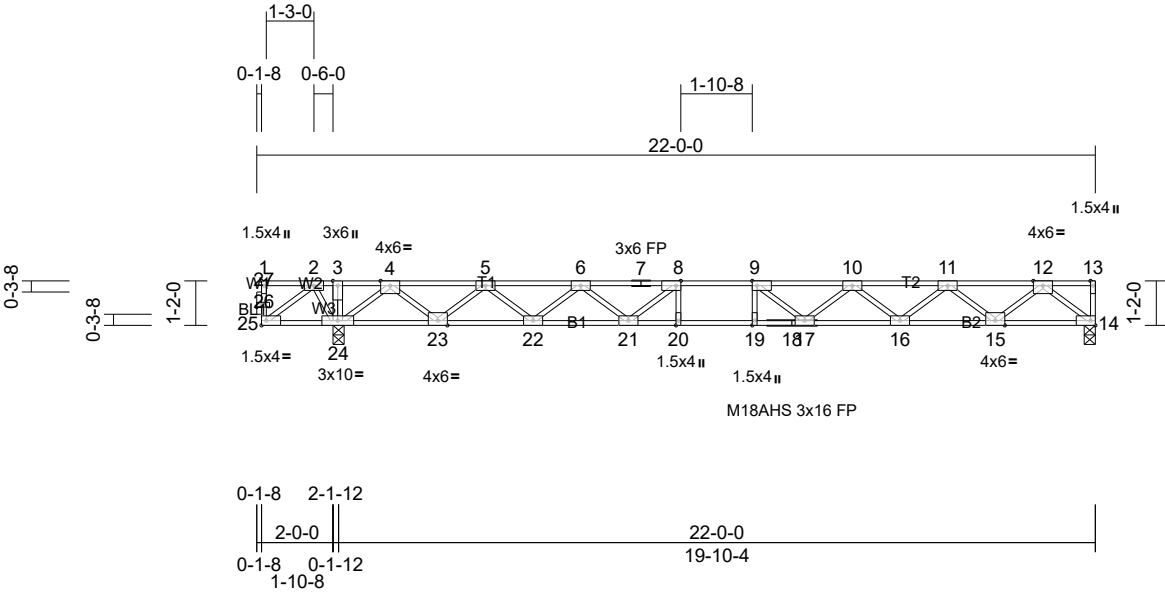
(lb) - Max. Comp./Max. Ten. - All forces	250
(lb) or less except when shown.	
WEBS	3-30=-323/0

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 1.5x4 (||) MT20 unless otherwise indicated.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 17 except (jt=lb) 29=335.
- Non Standard bearing condition. Review required.
- 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	The Freddy - Fisher Building Corp
2505793-31159	F2	Floor	5	1	Job Reference (optional)



Scale = 1:46.9

Plate Offsets (X, Y): [1:Edge,0-0-12], [8:0-1-8,Edge], [9:0-1-8,Edge], [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	0.91	Vert(LL)	-0.41	19-20	>582	480	M18AHS	186/179
TCDL	15.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.66	19-20	>360	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.10	14	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 110 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP DSS(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, Except: 6-0-0 oc bracing: 24-25.

REACTIONS (lb/size) 14=1274/0-3-8, (min. 0-1-8), 24=1553/0-3-8, (min. 0-1-8)
Max Grav 14=1282 (LC 4), 24=1553 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-2678/0, 5-6=-4576/0, 6-7=-5672/0, 7-8=-5672/0, 8-9=-6024/0, 9-10=-5681/0, 10-11=-4592/0, 11-12=-2709/0
BOT CHORD 23-24=0/1505, 22-23=0/3796, 21-22=0/5294, 20-21=0/6024, 19-20=0/6024, 18-19=0/6024, 17-18=0/6024, 16-17=0/5308, 15-16=0/3818, 14-15=0/1533
WEBS 4-24=-1989/0, 12-14=-1957/0, 4-23=0/1539, 12-15=0/1531, 5-23=-1467/0, 11-15=-1444/0, 5-22=0/1028, 11-16=0/1008, 6-22=-945/0, 10-16=-931/0, 6-21=0/644, 10-17=0/622, 8-21=-789/11, 9-17=-752/48, 8-20=-175/253

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

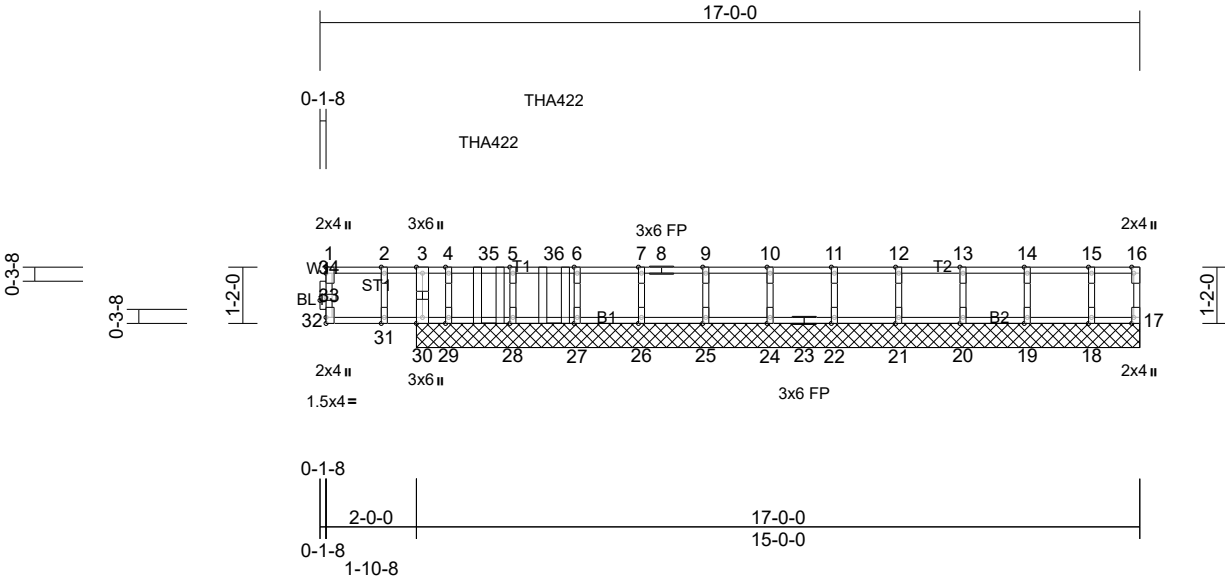
Job	Truss	Truss Type	Qty	Ply	The Freddy - Fisher Building Corp
2505793-31159	F3	Floor Girder	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Oct 29 09:56:36

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Scale = 1:39.9

Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge], [33:0-1-8,0-0-12]

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	0.54	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.54	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.04	Horiz(TL)	0.00	17	n/a	n/a		
BCDL	10.0	Code	IRC2021/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.2(flat)
OTHERS 2x4 SP No.2(flat)

BRACING

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

REACTIONS

All bearings 15-0-0.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s)
17 except 29=-318 (LC 3)
Max Grav All reactions 250 (lb) or less at joint
(s) 17, 19, 20, 21, 22, 24, 25, 26,
27, 29 except 18=271 (LC 1),
28=289 (LC 1), 30=617 (LC 1)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.
WEBS 3-30=-311/0

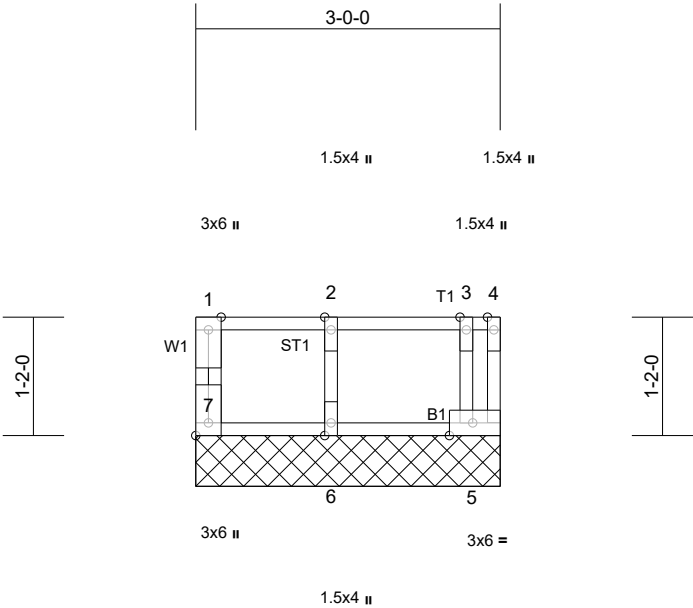
NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 1.5x4 (||) MT20 unless otherwise indicated.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 17 except (jt=lb) 29=317.
- Non Standard bearing condition. Review required.
- 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.
- Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 1-4-4 oc max. starting at 3-6-0 from the left end to 4-10-4 to connect truss(es) F5 (1 ply 2x4 SP) 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: 17-32=-20, 1-16=-110
Concentrated Loads (lb)
Vert: 35=-69 (B), 36=-69 (B)

Job	Truss	Truss Type	Qty	Ply	The Freddy - Fisher Building Corp
2505793-31159	F4	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:16.5

Plate Offsets (X, Y): [5:0-2-12,Edge], [7: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	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)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 16 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)

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

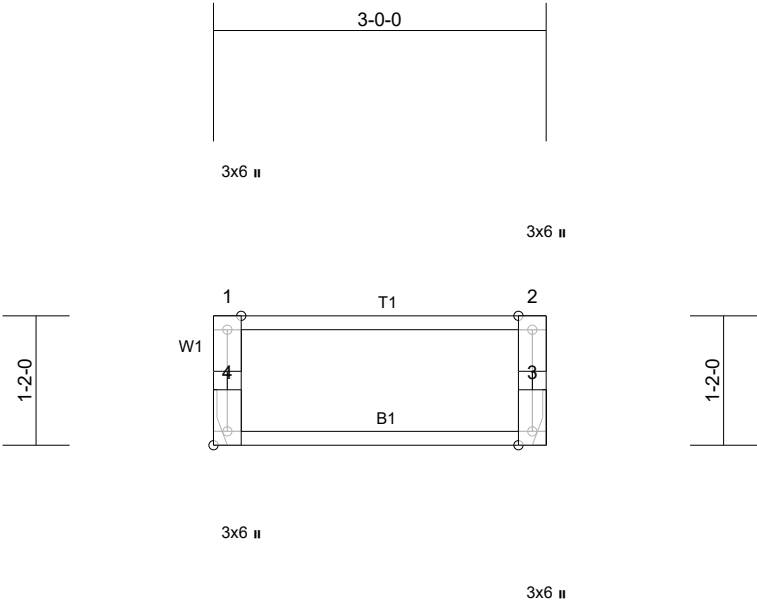
REACTIONS (lb/size) 5=111/3-0-0, (min. 0-1-8),
6=174/3-0-0, (min. 0-1-8),
7=78/3-0-0, (min. 0-1-8)

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

Job	Truss	Truss Type	Qty	Ply	The Freddy - Fisher Building Corp
2505793-31159	F5	Floor	2	1	Job Reference (optional)



Scale = 1:14.6

Plate Offsets (X, Y): [4: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	0.33	Vert(LL)	0.00	3-4	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 14 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 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=179/ Mechanical, (min. 0-1-8), 4=179/ 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 Freddy - Fisher Building Corp
2505793-31159	F6	Floor Girder	1	1	Job Reference (optional)

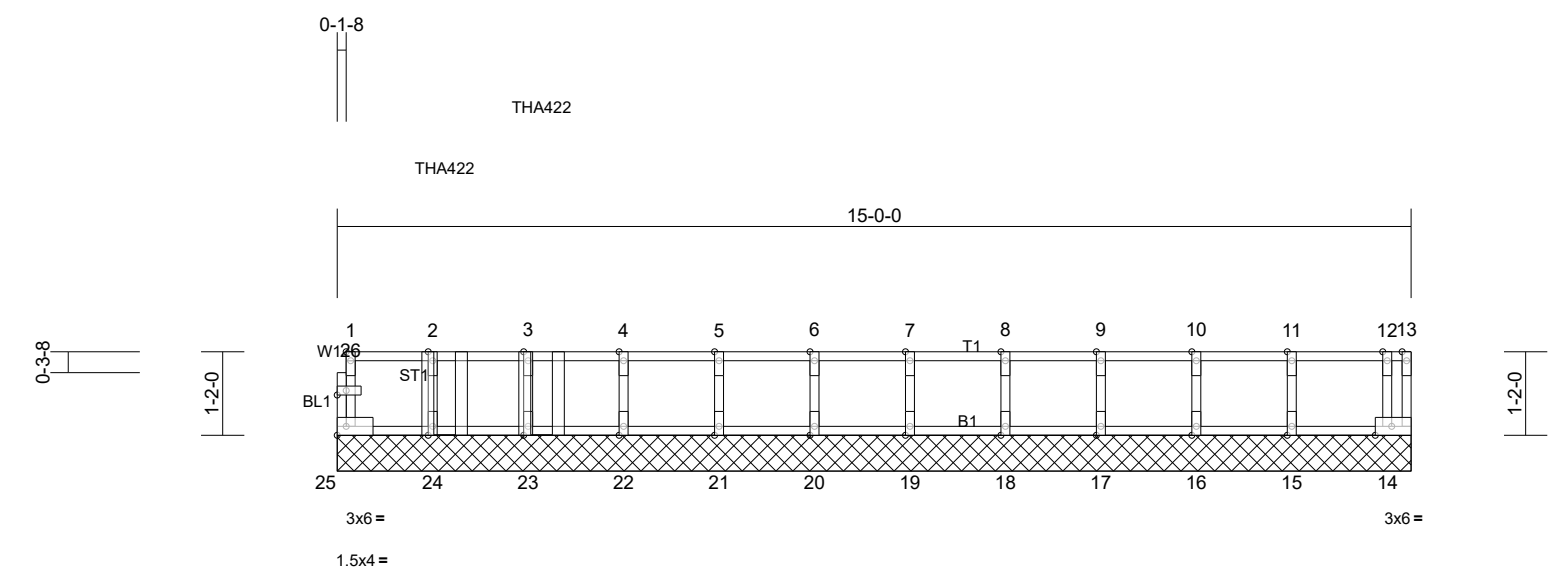


Plate Offsets (X, Y): [1:Edge,0-0-12], [14:0-2-12,Edge], [26:0-1-8,0-0-12]

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	0.11	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	NO	WB	0.03	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)

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.
 - 7) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 1-4-4 oc max. starting at 1-6-0 from the left end to 2-10-4 to connect truss(es) F5 (1 ply 2x4 SP) to front face of top chord.
 - 8) Fill all nail holes where hanger is in contact with lumber.
 - 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
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 14-25=-20, 1-13=-110
Concentrated Loads (lb)
Vert: 2=-69 (F), 3=-69 (F)

Job	Truss	Truss Type	Qty	Ply	The Freddy - Fisher Building Corp
2505793-31159	F7	Floor	4	1	Job Reference (optional)

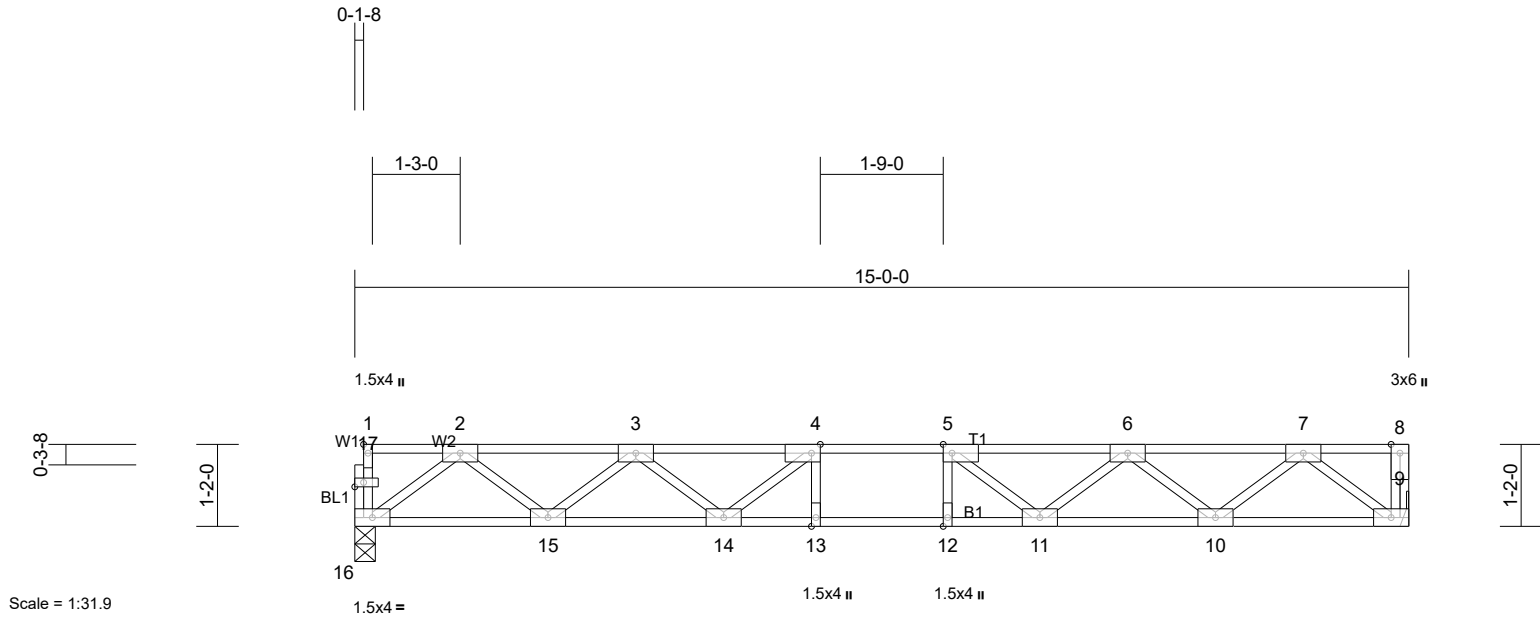


Plate Offsets (X, Y): [1:Edge,0-0-12], [4:0-1-8,Edge], [5:0-1-8,Edge], [17:0-1-8,0-0-12]

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	0.53	Vert(LL)	-0.15	12-13	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.25	12-13	>715	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 75 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.

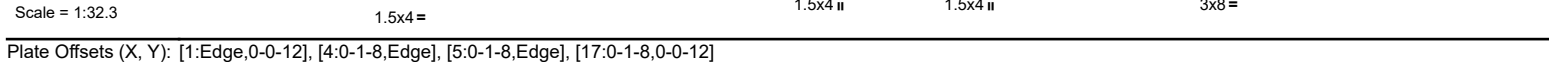
REACTIONS (lb/size) 9=959/ Mechanical, (min. 0-1-8),
16=952/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1959/0, 3-4=-3035/0, 4-5=-3368/0, 5-6=-3035/0, 6-7=-1959/0
BOT CHORD 15-16=0/1172, 14-15=0/2674, 13-14=0/3368, 12-13=0/3368, 11-12=0/3368, 10-11=0/2674, 9-10=0/1173
WEBS 7-9=-1472/0, 2-16=-1467/0, 7-10=0/1023, 2-15=0/1024, 6-10=-931/0, 3-15=-932/0, 6-11=0/524, 3-14=0/524, 5-11=-601/0, 4-14=-601/0

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x6 (=) MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 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. Wed Oct 29 09:56:37 Page: 1
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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)

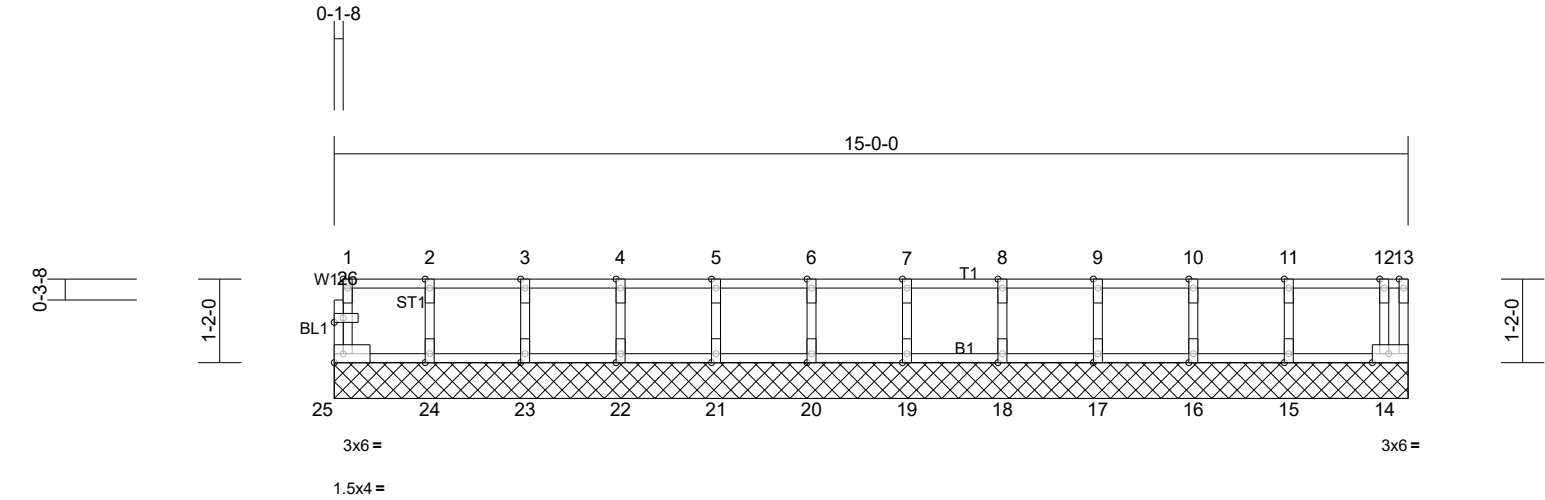
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

NOTES

- LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Freddy - Fisher Building Corp
2505793-31159	F9	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:31.4

Plate Offsets (X, Y): [1:Edge,0-0-12], [14:0-2-12,Edge], [26:0-1-8,0-0-12]

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	0.09	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)

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.

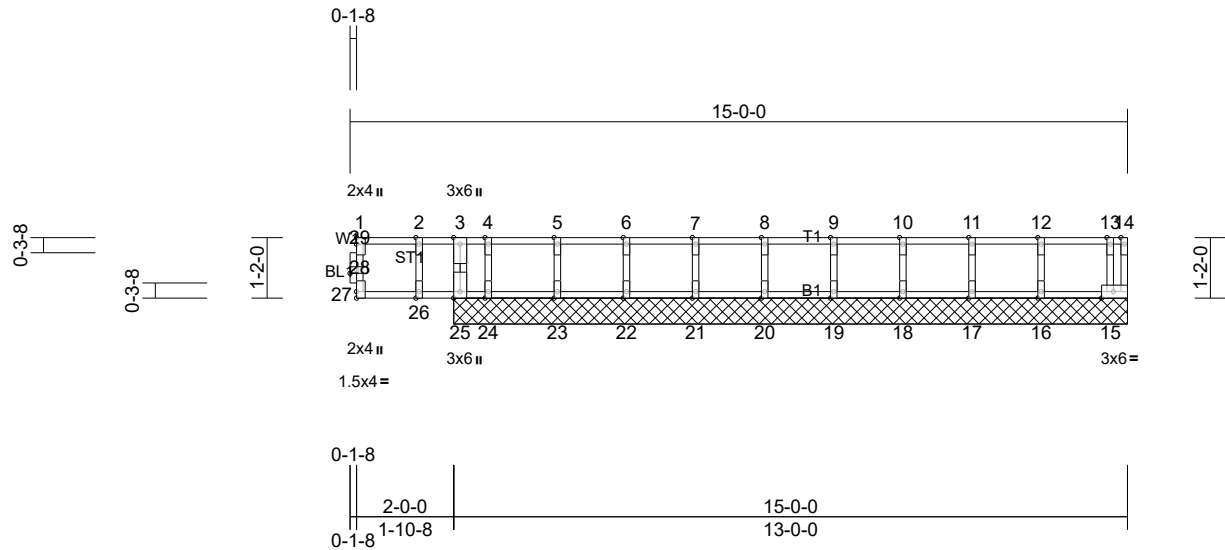
REACTIONS All bearings 15'-0".
(lb) - Max Grav All reactions 250 (lb) or less at joint
(s) 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25

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

- NOTES**
- All plates are 1.5x4 (||) 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.
 - 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.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Freddy - Fisher Building Corp
2505793-31159	F10	Floor Supported Gable	2	1	Job Reference (optional)



Scale = 1:39.9

Plate Offsets (X, Y): [15:0-2-12,Edge], [28:0-1-8,0-0-12]

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	0.49	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.50	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	15	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 66 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)

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

REACTIONS All bearings 13-0-0.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s)
15 except 24=-342 (LC 3)
Max Grav All reactions 250 (lb) or less at joint
(s) 15, 17, 18, 19, 20, 21, 22, 23,
24 except 16=283 (LC 1), 25=639
(LC 1)

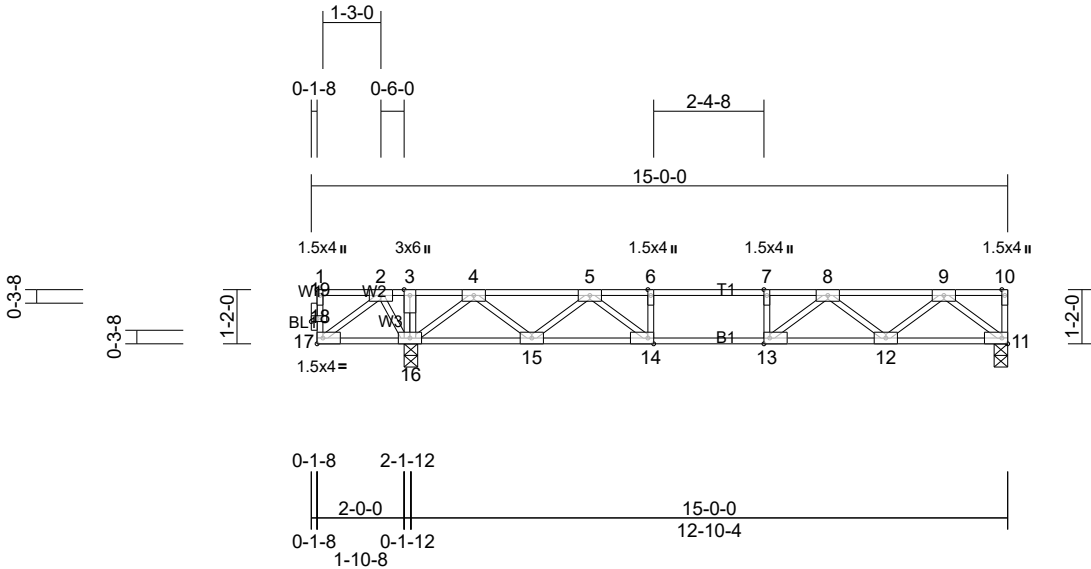
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.

WEBS 3-25=-329/0

- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 15 except (jt=lb) 24=341.
 - 6) Non Standard bearing condition. Review required.
 - 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Freddy - Fisher Building Corp
2505793-31159	F11	Floor	2	1	Job Reference (optional)



Scale = 1:39.9

Plate Offsets (X, Y): [1:Edge,0-0-12], [13:0-1-8,Edge], [14:0-1-8,Edge], [18:0-1-8,0-0-12]

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	0.70	Vert(LL)	-0.13	12-13	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.19	12-13	>808	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 76 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)

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: 16-17.

REACTIONS (lb/size) 11=812/0-3-8, (min. 0-1-8), 16=1105/0-3-8, (min. 0-1-8)
Max Grav 11=824 (LC 4), 16=1105 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-1547/0, 5-6=-2449/0, 6-7=-2449/0, 7-8=-2449/0, 8-9=-1584/0
BOT CHORD 15-16=0/925, 14-15=0/2110, 13-14=0/2449, 12-13=0/2133, 11-12=0/966
WEBS 2-16=-251/0, 4-16=-1276/0, 9-11=-1233/0, 4-15=0/825, 9-12=0/805, 5-15=-756/0, 8-12=-714/0, 5-14=0/684, 8-13=0/614, 6-14=-309/0, 7-13=-282/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 (=) MT20 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

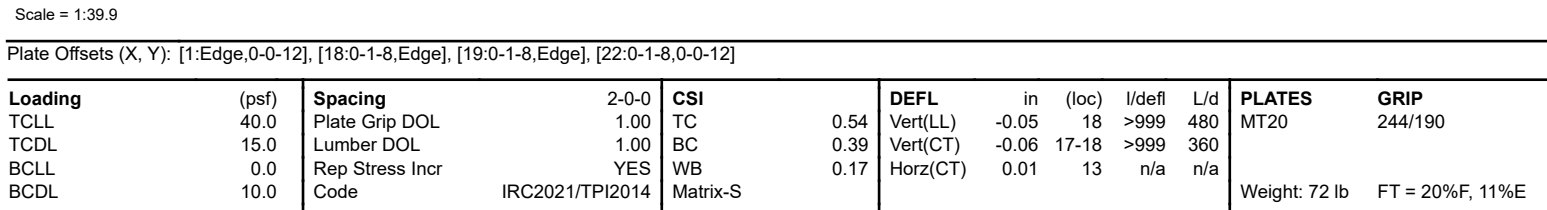
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.56	Vert(LL)	-0.11	11-12	>999	480	MT20	244/190
BCDL	15.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.16	11-12	>940	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 75 lb	FT = 20%F, 11%E

LOAD CASE(S) Standard

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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)

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: 20-21.

(lb) - Max Grav All reactions 250 (lb) or less at joint
(s) 13, 14, 15, 16 except 17=626
(LC 4), 20=798 (LC 3)

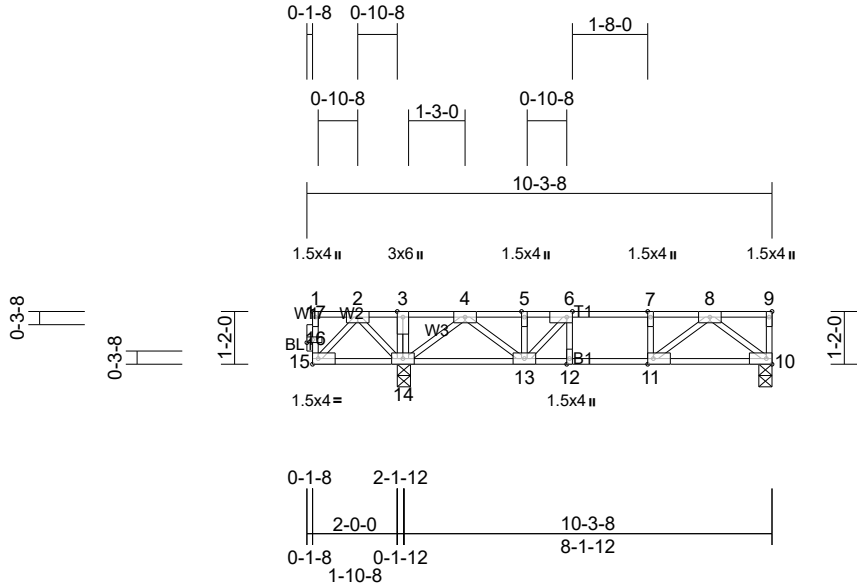
(lb) or less except when shown.

TOP CHORD	4-5=-874/0, 5-6=-874/0, 6-7=-874/0
BOT CHORD	19-20=0/477, 18-19=0/874, 17-18=0/514
WEBS	7-17=-645/0, 4-20=-712/0, 7-18=0/501, 4-19=0/601, 5-19=-282/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x4 (II) 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) 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 Freddy - Fisher Building Corp
2505793-31159	F14	Floor	5	1	Job Reference (optional)



Scale = 1:39.9

Plate Offsets (X, Y): [1:Edge,0-0-12], [6:0-1-8,Edge], [11:0-1-8,Edge], [16:0-1-8,0-0-12]

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	0.36	Vert(LL)	-0.04	12-13	>999	480	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.05	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 56 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)

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: 14-15.

REACTIONS (lb/size) 10=496/0-3-8, (min. 0-1-8),
14=810/0-3-8, (min. 0-1-8)
Max Grav 10=514 (LC 4), 14=810 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.
TOP CHORD 4-5=-863/0, 5-6=-863/0, 6-7=-935/0,
7-8=-935/0
BOT CHORD 13-14=0/506, 12-13=0/935, 11-12=0/935,
10-11=0/546
WEBS 4-14=-744/0, 8-10=-697/0, 4-13=0/483,
8-11=0/516, 6-13=-314/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 (=) MT20 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