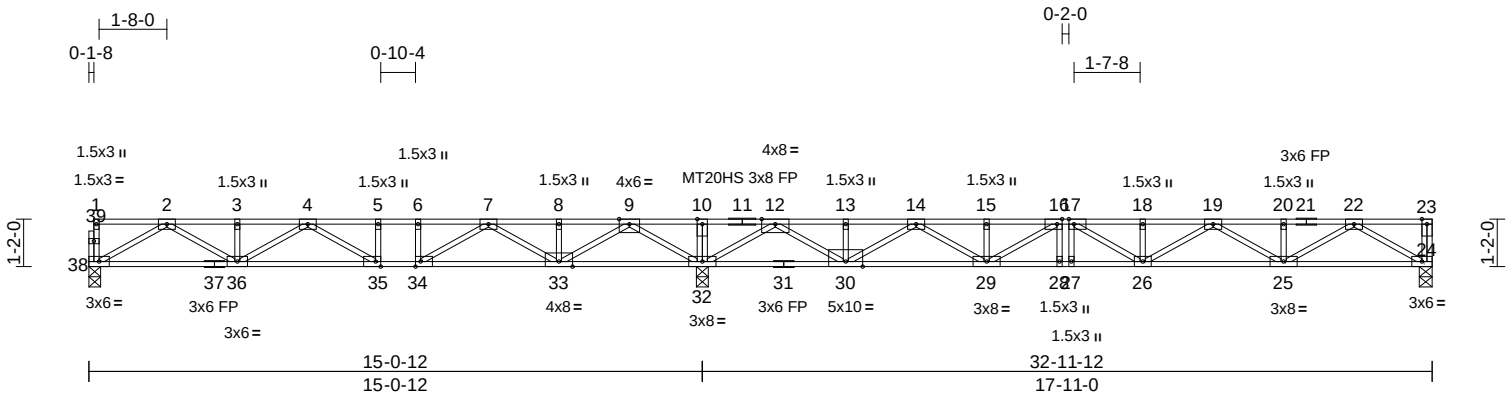
Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL1	Floor	3	1	I70939589 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:29 Page: 1
ID:lqSBjtV1EuA8hVjb9eUyNByajq2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:56.6

Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge], [34:0-1-8,Edge], [35:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.98	Vert(LL)	-0.25	26-27	>867	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.32	26-27	>670	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.04	24	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 170 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat) *Except* 1-11:2x4 SP No.1 (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 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 24=0-3-12, 32=0-3-8, 38=0-3-8
Max Grav 24=831 (LC 4), 32=2238 (LC 1), 38=688 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-38=-70/0, 23-24=-73/0, 1-2=-4/0, 2-3=-1720/0, 3-4=-1720/0, 4-5=-2033/453, 5-6=-2033/453, 6-7=-2033/453, 7-8=-755/1336, 8-9=-755/1336, 9-10=0/3339, 10-12=0/3339, 12-13=-652/719, 13-14=-652/719, 14-15=-2464/10, 15-16=-2464/10, 16-17=-2921/0, 17-18=-3012/0, 18-19=-3012/0, 19-20=-2174/0, 20-22=-2174/0, 22-23=0/0

BOT CHORD 36-38=0/1044, 35-36=-152/2058, 34-35=-453/2033, 33-34=-908/1513, 32-33=-1917/0, 30-32=-1542/0, 29-30=-335/1703, 28-29=0/2921, 27-28=0/2921, 26-27=0/2921, 25-26=0/2736, 24-25=0/1275

WEBS 10-32=-211/0, 9-32=-1847/0, 2-38=-1202/0, 9-33=0/1495, 2-36=-41/790, 8-33=-190/0, 3-36=-156/0, 7-33=-1100/0, 4-36=-394/180, 7-34=0/1005, 4-35=-547/0, 5-35=-17/163, 6-34=-359/0, 12-32=-2089/0, 22-24=-1475/0, 12-30=0/1724, 22-25=0/1050, 13-30=-175/0, 20-25=-166/0, 14-30=-1326/0, 19-25=-655/0, 14-29=0/988, 19-26=-28/323, 15-29=-184/0, 18-26=-203/0, 16-29=-778/0, 17-26=-112/489, 16-28=-37/196, 17-27=-184/49

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 3x5 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

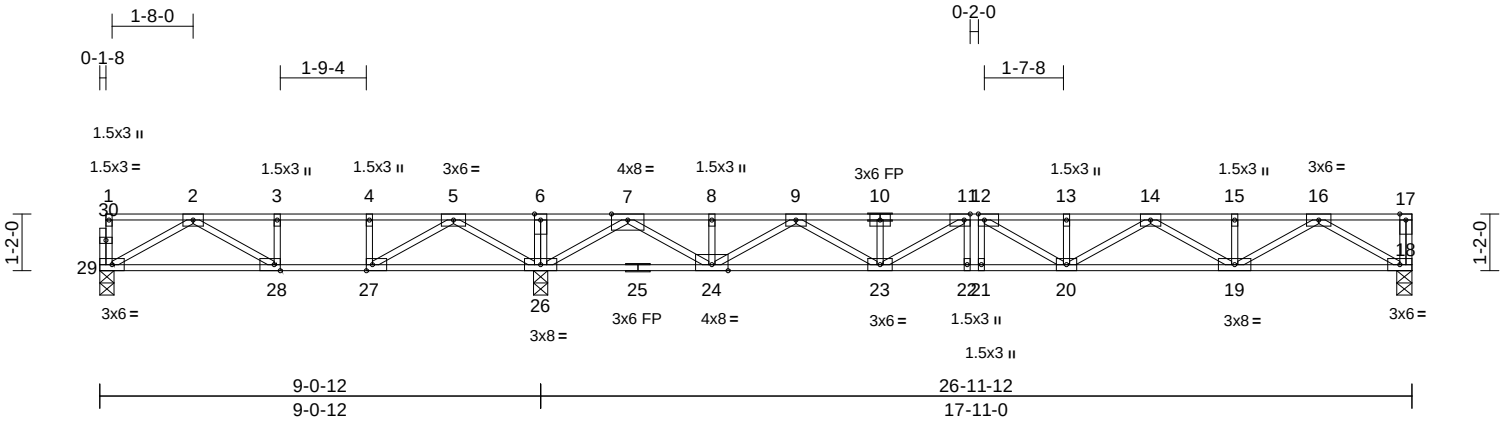
January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL2	Floor	1	1	I70939590 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:30 Page: 1
ID:Tm3yqIdItyRju1UWkkgInIyajpu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:47.4

Plate Offsets (X, Y): [11:0-1-8,Edge], [12:0-1-8,Edge], [27:0-1-8,Edge], [28:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.27	20-21	>805	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.36	20-21	>593	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.05	18	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 138 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat) *Except* 10-17:2x4 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 2-2-0 oc bracing.

REACTIONS (size) 18=0-3-12, 26=0-3-8, 29=0-3-8
Max Uplift 29=-81 (LC 4)
Max Grav 18=876 (LC 7), 26=1819 (LC 1), 29=404 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-29=-63/5, 17-18=-74/0, 1-2=-4/0, 2-3=-687/623, 3-4=-687/623, 4-5=-687/623, 5-6=0/2064, 6-7=0/2064, 7-8=-1280/0, 8-9=-1280/0, 9-11=-2934/0, 11-12=-3307/0, 12-13=-3314/0, 13-14=-3314/0, 14-15=-2328/0, 15-16=-2328/0, 16-17=0/0
BOT CHORD	28-29=-187/551, 27-28=-623/687, 26-27=-1286/133, 24-26=-426/0, 23-24=0/2249, 22-23=0/3307, 21-22=0/3307, 20-21=0/3307, 19-20=0/2964, 18-19=0/1353
WEBS	6-26=-238/0, 5-26=-1195/0, 2-29=-633/215, 5-27=0/1109, 2-28=-509/159, 4-27=-446/0, 3-28=-86/204, 7-26=-1946/0, 16-18=-1565/0, 7-24=0/1593, 16-19=0/1138, 8-24=-177/0, 15-19=-166/0, 9-24=-1174/0, 14-19=-743/0, 9-23=0/842, 14-20=0/409, 10-23=-190/0, 13-20=-198/0, 11-23=-620/0, 12-20=-276/331, 11-22=-72/161, 12-21=-148/86

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x5 MT20 unless otherwise indicated.
3) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 29. This connection is for uplift only and does not consider lateral forces.
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

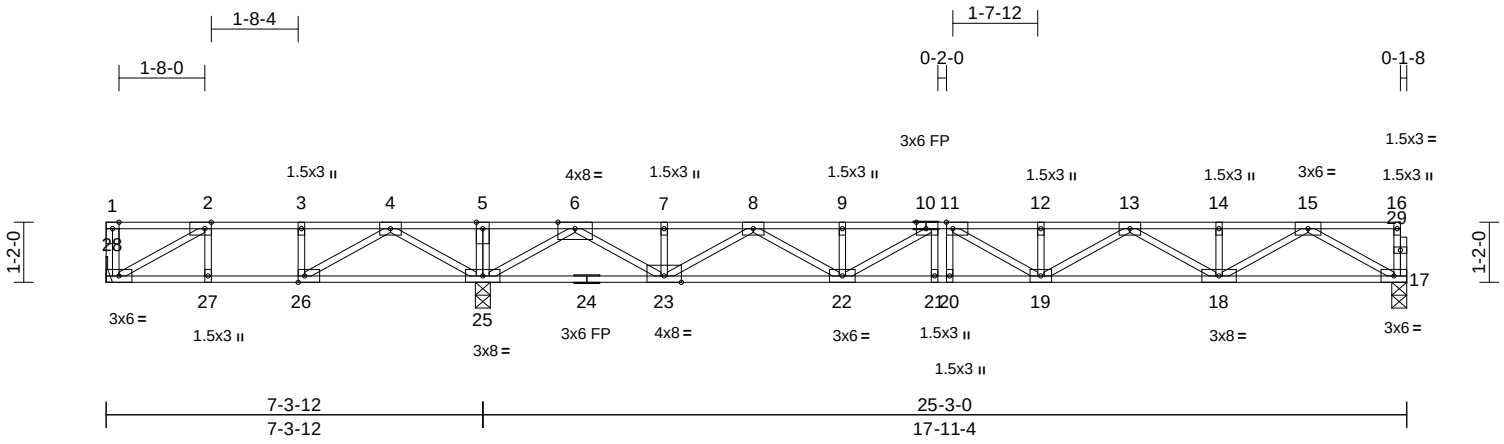
January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL3	Floor	2	1	I70939591 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:30 ID:HNNNyjHkTMvhXkL85sAkeOyajqK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:44.7

Plate Offsets (X, Y): [2:0-1-8,Edge], [10:0-2-4,Edge], [11:0-1-8,Edge], [26:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.27	19-20	>780	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.37	19-20	>577	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.05	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 130 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)

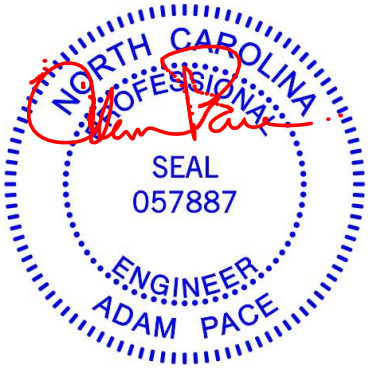
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (size) 17=0-3-8, 25=0-3-8, 28= Mechanical
Max Uplift 28=-140 (LC 4)
Max Grav 17=874 (LC 7), 25=1774 (LC 1), 28=280 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-28=-134/0, 16-17=-71/0, 1-2=0/0, 2-3=-324/484, 3-4=-324/484, 4-5=0/1989, 5-6=0/1989, 6-7=-1321/0, 7-8=-1321/0, 8-9=-2966/0, 9-11=-3334/0, 11-12=-3343/0, 12-13=-3343/0, 13-14=-2341/0, 14-15=-2341/0, 15-16=-4/0
BOT CHORD 27-28=-484/324, 26-27=-484/324, 25-26=-1142/0, 23-25=-460/0, 22-23=0/2289, 21-22=0/3318, 20-21=0/3334, 19-20=0/3334, 18-19=0/2984, 17-18=0/1358
WEBS 5-25=-226/0, 4-25=-1121/0, 2-28=-372/556, 4-26=0/953, 2-27=-142/0, 3-26=-356/0, 6-25=-1944/0, 15-17=-1566/0, 6-23=0/1585, 15-18=0/1148, 7-23=-175/0, 14-18=-167/0, 8-23=-1168/0, 13-18=-751/0, 8-22=0/829, 13-19=0/419, 9-22=-179/0, 12-19=-196/0, 10-22=-610/0, 11-19=-268/332, 10-21=-76/232, 11-20=-215/88

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 28.
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



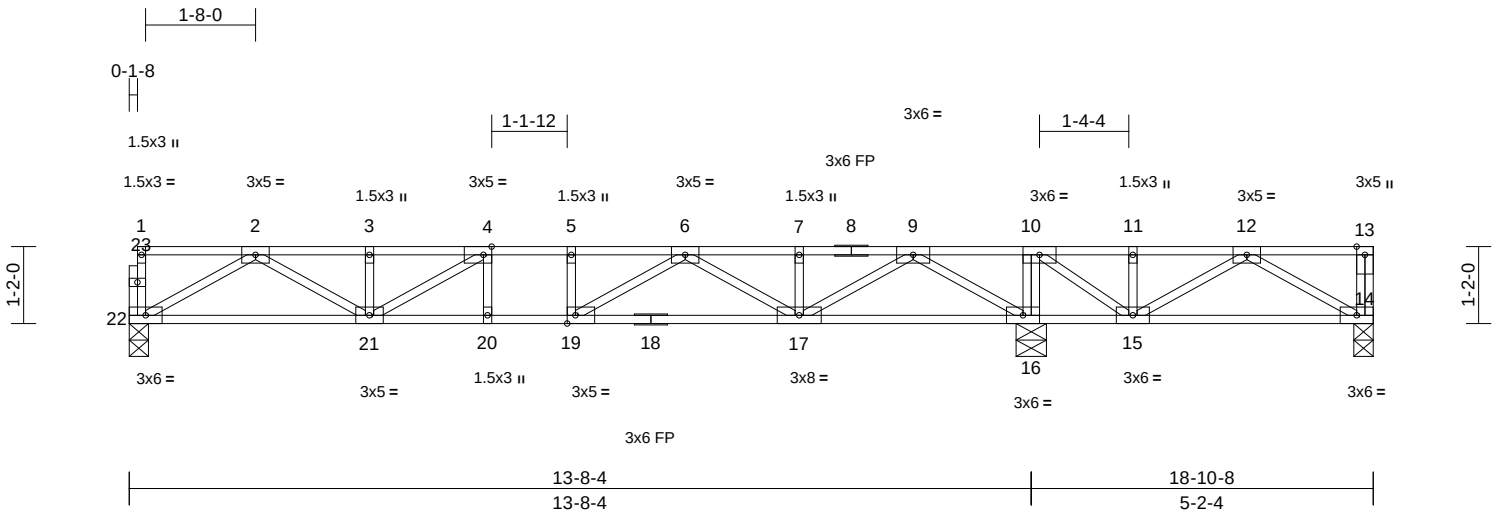
January 24,2025

ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH	I70939592
24090030-B	FL4	Floor	2	1	Job Reference (optional)	

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 ID:5A5WMiKB44yvYboyzmFCxkyajrZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:35

Plate Offsets (X, Y): [4:0-1-8,Edge], [19:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.08	20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.11	19-20	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.02	16	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 99 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 6-0-0 oc bracing.

REACTIONS (size) 14=0-3-8, 16=0-5-8, 22=0-3-8
Max Uplift 14=-244 (LC 3)
Max Grav 14=175 (LC 4), 16=1479 (LC 1), 22=620 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-22=-72/0, 13-14=-72/0, 1-2=-4/0, 2-3=-1493/0, 3-4=-1493/0, 4-5=-1700/0, 5-6=-1700/0, 6-7=-743/0, 7-9=-743/0, 9-10=0/1557, 10-11=0/989, 11-12=0/989, 12-13=0/0

BOT CHORD 21-22=0/923, 20-21=0/1700, 19-20=0/1700, 17-19=0/1365, 16-17=-264/0, 15-16=-1557/0, 14-15=-466/152

WEBS 10-16=-695/0, 9-16=-1500/0, 2-22=-1063/0, 9-17=0/1128, 2-21=0/666, 7-17=-173/0, 3-21=-211/0, 6-17=-734/0, 4-21=-380/17, 6-19=0/502, 4-20=-76/51, 5-19=-167/0, 12-14=-176/539, 12-15=-663/0, 11-15=-159/0, 10-15=0/908

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14. This connection is for uplift only and does not consider lateral forces.
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

January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH	
24090030-B	FL5	Floor	3	1	Job Reference (optional)	I70939593

Carter Components (Sanford, NC), Sanford, NC - 27332,

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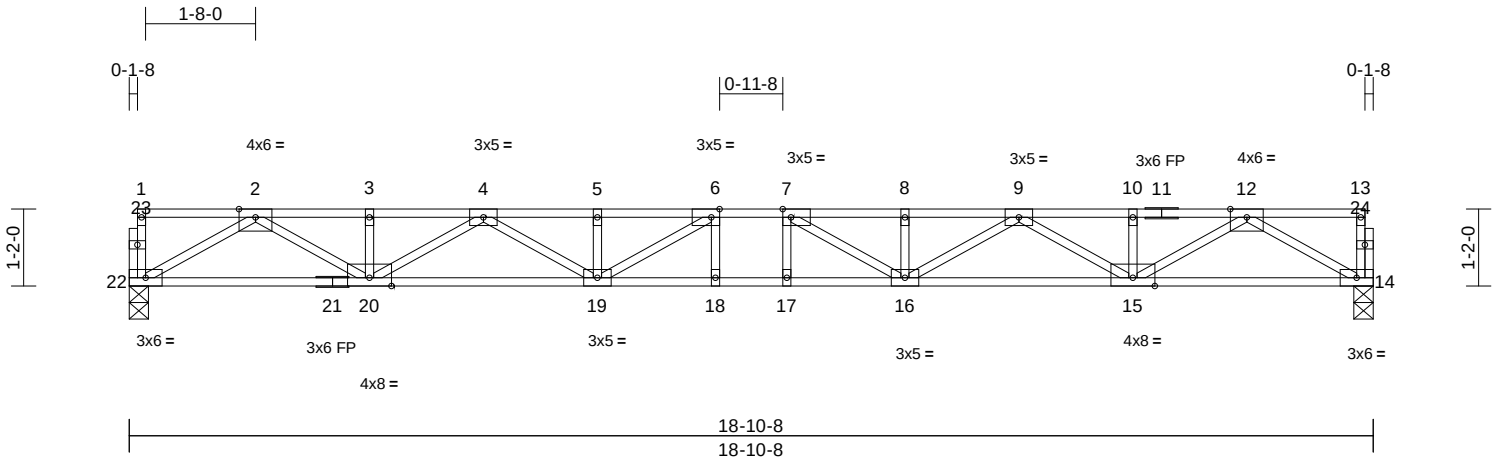

Scale = 1:35

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.51	Vert(LL)	-0.38	17-18	>582	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.53	17-18	>423	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.08	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 97 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* 21-14:2x4 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 5-5-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 14=0-3-8, 22=0-3-8
Max Grav 14=1018 (LC 1), 22=1018 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-22=-71/0, 13-14=-71/0, 1-2=-4/0, 2-3=-2827/0, 3-4=-2827/0, 4-5=-4299/0, 5-6=-4299/0, 6-7=-4560/0, 7-8=-4300/0, 8-9=-4300/0, 9-10=-2826/0, 10-12=-2826/0, 12-13=-4/0

BOT CHORD 20-22=0/1605, 19-20=0/3709, 18-19=0/4560, 17-18=0/4560, 16-17=0/4560, 15-16=0/3709, 14-15=0/1606

WEBS 12-14=-1852/0, 2-22=-1852/0, 12-15=0/1425, 2-20=0/1426, 10-15=-167/0, 3-20=-168/0, 9-15=-1031/0, 4-20=-1030/0, 9-16=0/690, 4-19=0/690, 8-16=-218/8, 5-19=-218/8, 7-16=-624/154, 6-19=-625/154, 6-18=-115/138, 7-17=-116/138

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 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.

LOAD CASE(S) Standard

January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL5A	Floor	4	1	I70939594 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 Page: 1
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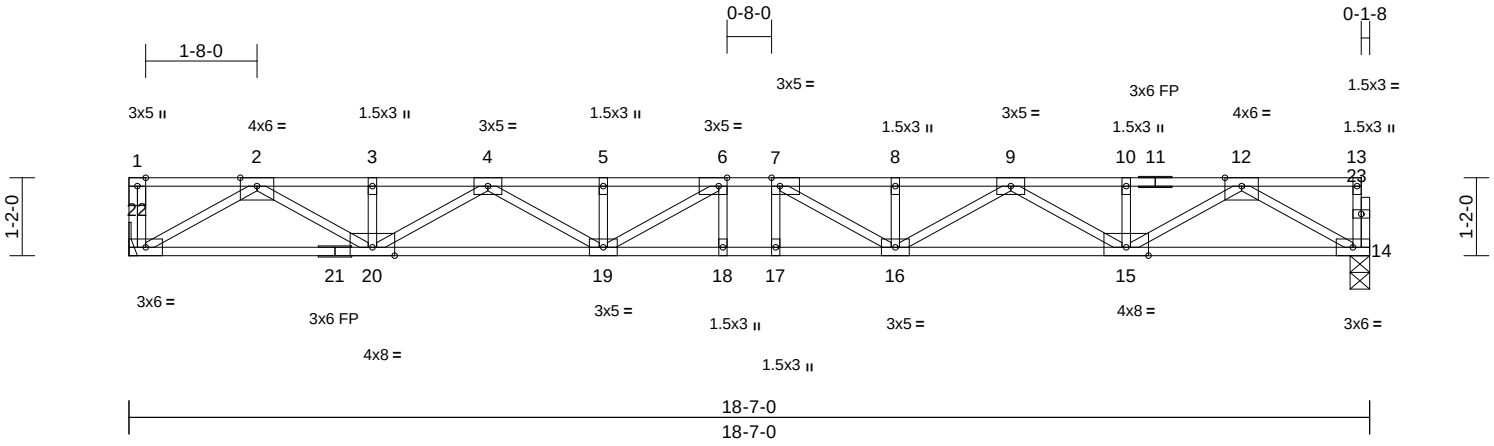

Scale = 1:34.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	-0.36	17-18	>609	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.50	17-18	>443	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.08	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 97 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* 21-14:2x4 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 5-6-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 14=0-3-8, 22= Mechanical
Max Grav 14=1002 (LC 1), 22=1008 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-22=-74/0, 13-14=-71/0, 1-2=0/0, 2-3=-2772/0, 3-4=-2772/0, 4-5=-4193/0, 5-6=-4193/0, 6-7=-4425/0, 7-8=-4193/0, 8-9=-4193/0, 9-10=-2772/0, 10-12=-2772/0, 12-13=-4/0
BOT CHORD 20-22=0/1580, 19-20=0/3628, 18-19=0/4425, 17-18=0/4425, 16-17=0/4425, 15-16=0/3628, 14-15=0/1578
WEBS 12-14=-1821/0, 2-22=-1827/0, 12-15=0/1394, 2-20=0/1392, 10-15=-167/0, 3-20=-165/0, 9-15=-1000/0, 4-20=-999/0, 9-16=0/659, 4-19=0/659, 8-16=-210/0, 5-19=-210/0, 7-16=-565/162, 6-19=-565/162, 6-18=-114/133, 7-17=-114/133

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 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

January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL6	Floor	1	1	I70939595 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:31 Page: 1
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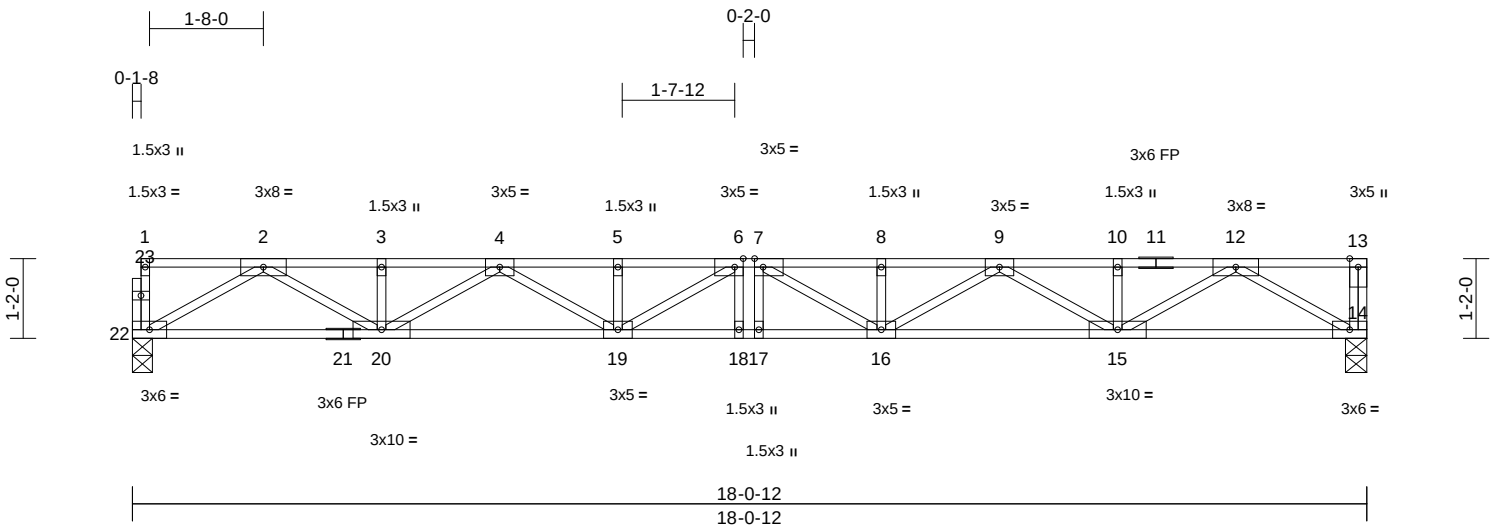

Scale = 1:33.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.32	17	>660	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.45	17	>480	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 95 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* 21-14:2x4 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 5-9-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 14=0-3-12, 22=0-3-8
Max Grav 14=980 (LC 1), 22=973 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-22=-71/0, 13-14=-73/0, 1-2=-4/0, 2-3=-2676/0, 3-4=-2676/0, 4-5=-4000/0, 5-6=-4000/0, 6-7=-4189/0, 7-8=-4001/0, 8-9=-4001/0, 9-10=-2675/0, 10-12=-2675/0, 12-13=0/0
BOT CHORD 20-22=0/1529, 19-20=0/3485, 18-19=0/4189, 17-18=0/4189, 16-17=0/4189, 15-16=0/3485, 14-15=0/1531
WEBS 12-14=-1771/0, 2-22=-1764/0, 12-15=0/1336, 2-20=0/1340, 10-15=-164/0, 3-20=-166/0, 9-15=-945/0, 4-20=-944/0, 9-16=0/603, 4-19=0/602, 8-16=-191/0, 5-19=-190/0, 7-16=-464/169, 6-19=-464/167, 6-18=-119/137, 7-17=-122/134

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 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

NORTH CAROLINA PROFESSIONAL SEAL 057887 ENGINEER ADAM PACE

January 24,2025

ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL6GE	Floor Supported Gable	1	1	I70939596 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

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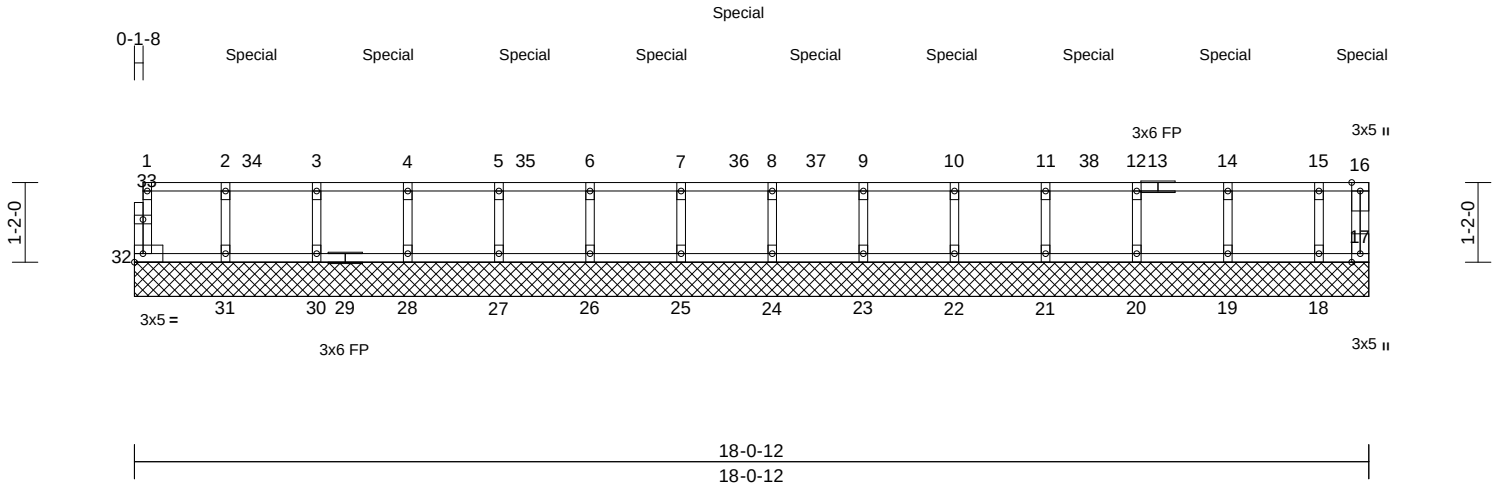

Scale = 1:33.7

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	0.43	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	0.11	Horiz(TL)	0.00	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MR							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.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 6-0-0 oc bracing.

REACTIONS (size) 17=18-0-12, 18=18-0-12, 19=18-0-12, 20=18-0-12, 21=18-0-12, 22=18-0-12, 23=18-0-12, 24=18-0-12, 25=18-0-12, 26=18-0-12, 27=18-0-12, 28=18-0-12, 30=18-0-12, 31=18-0-12, 32=18-0-12
Max Uplift 17=-37 (LC 8), 19=-19 (LC 8), 20=-6 (LC 8), 21=-9 (LC 8), 22=-16 (LC 8), 23=-1 (LC 8), 24=-48 (LC 8), 25=-38 (LC 8), 27=-21 (LC 8), 28=-16 (LC 8), 31=-19 (LC 8), 32=-19 (LC 3)
Max Grav 17=285 (LC 3), 18=121 (LC 1), 19=335 (LC 6), 20=260 (LC 6), 21=277 (LC 6), 22=310 (LC 6), 23=237 (LC 6), 24=462 (LC 6), 25=414 (LC 6), 26=185 (LC 6), 27=333 (LC 6), 28=311 (LC 6), 30=209 (LC 6), 31=327 (LC 6), 32=40 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-32=-36/26, 16-17=-288/40, 1-2=-3/7, 2-3=-3/7, 3-4=-3/7, 4-5=-3/7, 5-6=-3/7, 6-7=-3/7, 7-8=-3/7, 8-9=-3/7, 9-10=-3/7, 10-11=-3/7, 11-12=-3/7, 12-14=-3/7, 14-15=-3/7, 15-16=-3/7
BOT CHORD 31-32=-7/3, 30-31=-7/3, 28-30=-7/3, 27-28=-7/3, 26-27=-7/3, 25-26=-7/3, 24-25=-7/3, 23-24=-7/3, 22-23=-7/3, 21-22=-7/3, 20-21=-7/3, 19-20=-7/3, 18-19=-7/3, 17-18=-7/3
WEBS 2-31=-313/28, 3-30=-196/3, 4-28=-298/24, 5-27=-319/29, 6-26=-171/0, 7-25=-400/46, 8-24=-448/56, 9-23=-223/9, 10-22=-297/24, 11-21=-264/17, 12-20=-247/14, 14-19=-321/28, 15-18=-114/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 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) n/a
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 290 lb down and 52 lb up at 1-8-12, 290 lb down and 52 lb up at 3-8-12, 290 lb down and 52 lb up at 5-8-12, 290 lb down and 52 lb up at 7-8-12, 290 lb down and 52 lb up at 8-10-4, and 290 lb down and 52 lb up at 9-11-12, and 290 lb down and 52 lb up at 13-11-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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: 17-32=-10, 1-16=-100
Concentrated Loads (lb)
Vert: 16=-115 (F), 4=-104 (F), 7=-104 (F), 10=-104 (F), 14=-104 (F), 34=-104 (F), 35=-104 (F), 36=-104 (F), 37=-104 (F), 38=-104 (F)

NORTH CAROLINA PROFESSIONAL SEAL 057887 ENGINEER ADAM PACE

January 24,2025

ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL7	Floor	2	1	I70939597 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

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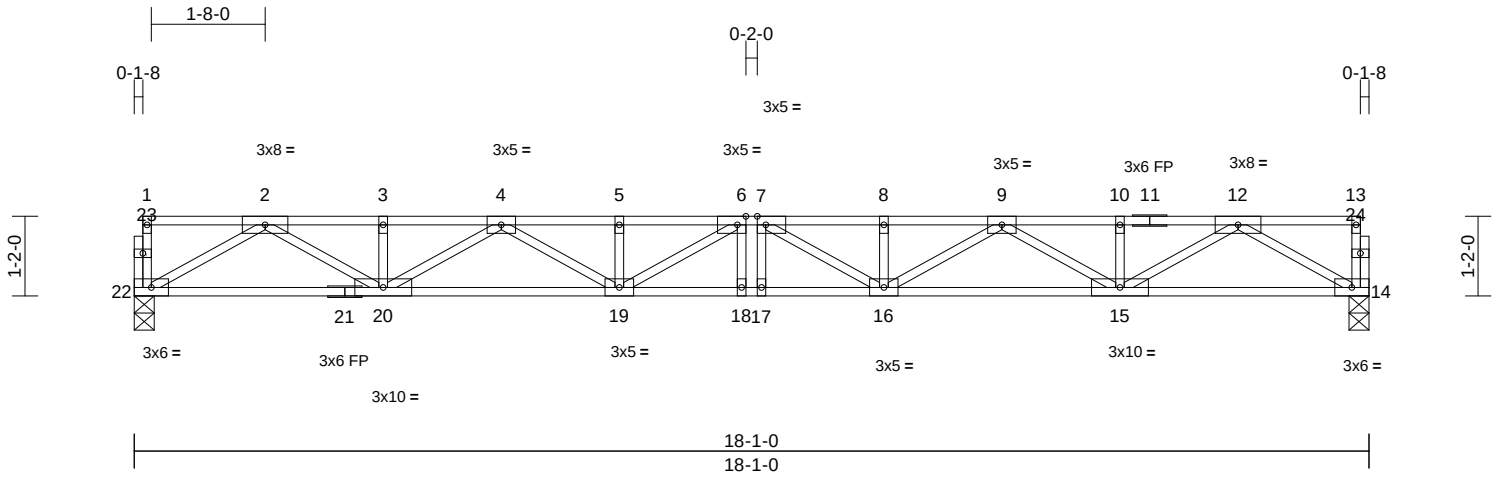

Scale = 1:33.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.33	18	>658	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.45	17-18	>479	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 95 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* 21-14:2x4 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 5-9-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 14=0-3-8, 22=0-3-8
Max Grav 14=975 (LC 1), 22=975 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-22=-71/0, 13-14=-71/0, 1-2=-4/0, 2-3=-2680/0, 3-4=-2680/0, 4-5=-4008/0, 5-6=-4008/0, 6-7=-4199/0, 7-8=-4008/0, 8-9=-4008/0, 9-10=-2679/0, 10-12=-2679/0, 12-13=-4/0

BOT CHORD 20-22=0/1531, 19-20=0/3491, 18-19=0/4199, 17-18=0/4199, 16-17=0/4199, 15-16=0/3490, 14-15=0/1531

WEBS 12-14=-1766/0, 2-22=-1766/0, 12-15=0/1341, 2-20=0/1342, 10-15=-165/0, 3-20=-166/0, 9-15=-947/0, 4-20=-946/0, 9-16=0/605, 4-19=0/604, 8-16=-191/0, 5-19=-191/0, 7-16=-467/168, 6-19=-467/168, 6-18=-121/136, 7-17=-121/136

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 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.

LOAD CASE(S) Standard

January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH	
24090030-B	FL7A	Floor	2	1	Job Reference (optional)	I70939598

Carter Components (Sanford, NC), Sanford, NC - 27332,

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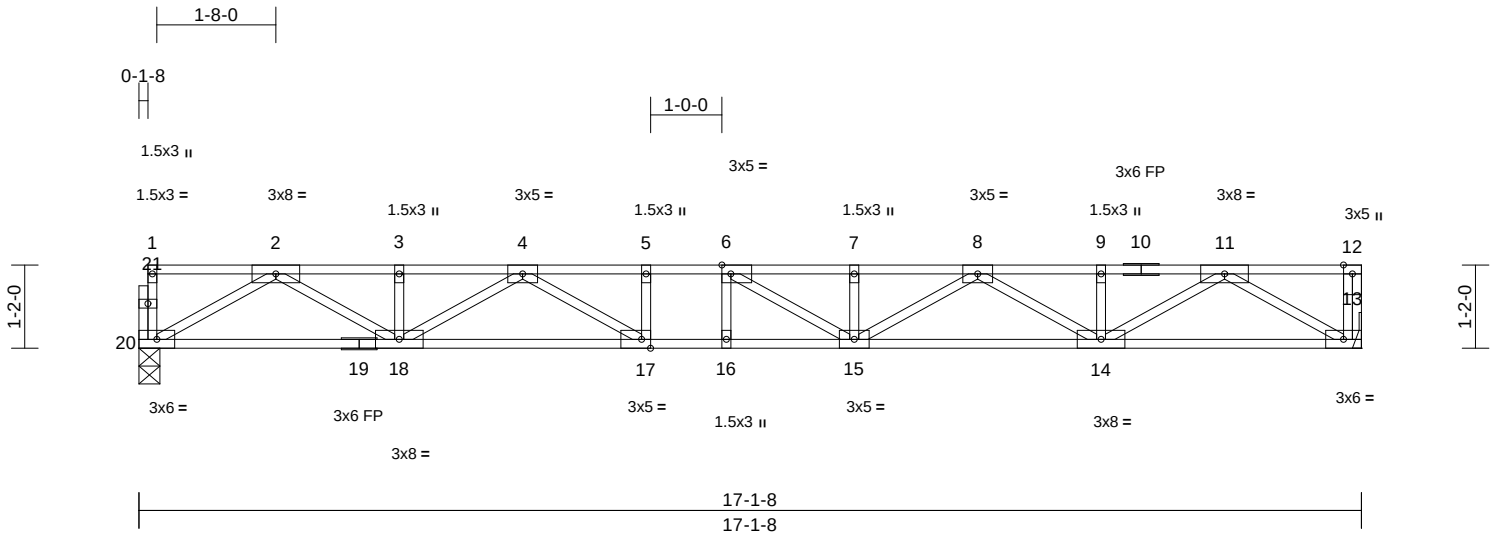


Scale = 1:32.3

Plate Offsets (X, Y): [6:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.28	15-16	>725	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.38	15-16	>528	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 88 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* 19-13:2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

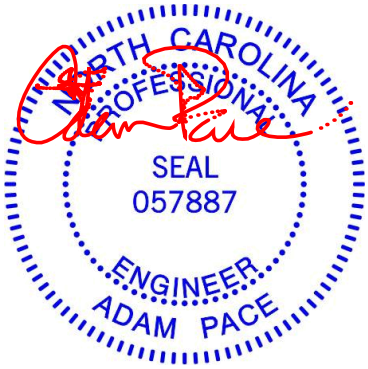
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 13= Mechanical, 20=0-3-8
Max Grav 13=928 (LC 1), 20=922 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-20=-71/0, 12-13=-73/0, 1-2=-4/0, 2-3=-2499/0, 3-4=-2499/0, 4-5=-3697/0, 5-6=-3697/0, 6-7=-3670/0, 7-8=-3670/0, 8-9=-2501/0, 9-11=-2501/0, 11-12=0/0
BOT CHORD 18-20=0/1438, 17-18=0/3229, 16-17=0/3697, 15-16=0/3697, 14-15=0/3226, 13-14=0/1442
WEBS 11-13=-1668/0, 2-20=-1658/0, 11-14=0/1236, 2-18=0/1239, 9-14=-167/0, 3-18=-169/0, 8-14=-846/0, 4-18=-852/0, 8-15=0/519, 4-17=0/721, 7-15=-236/0, 5-17=-225/0, 6-15=-417/299, 6-16=-143/71

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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL7B	Floor	3	1	I70939599 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

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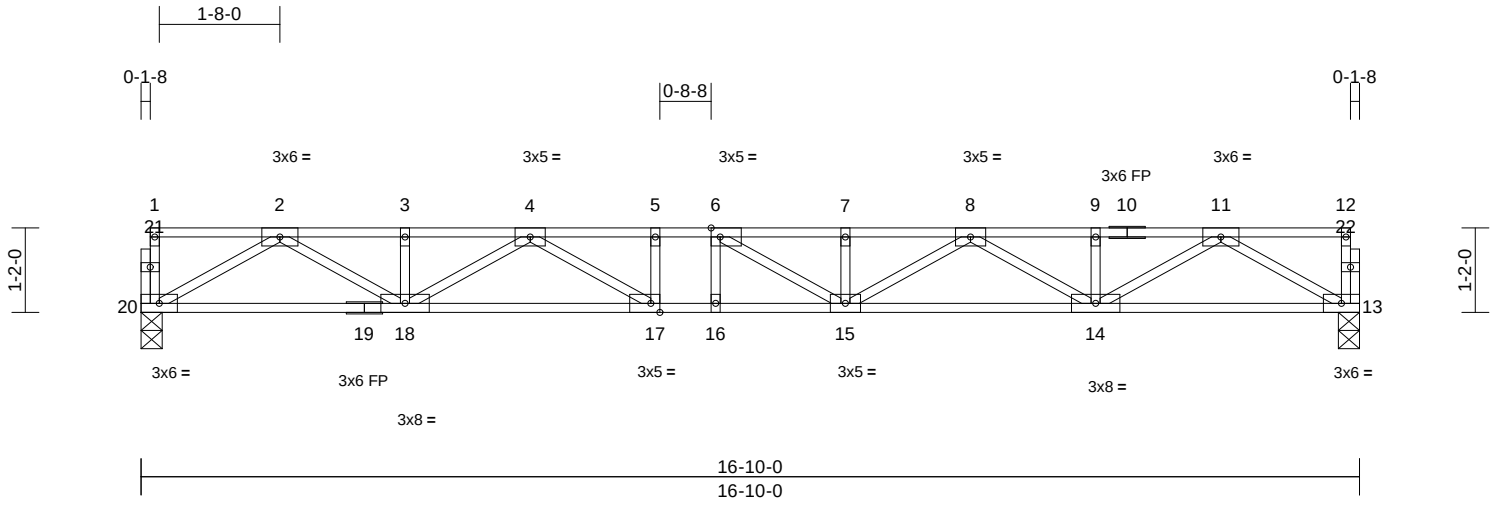

Scale = 1:31.8

Plate Offsets (X, Y): [6:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.26	15-16	>775	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.35	15-16	>565	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 87 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* 19-13:2x4 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 13=0-3-8, 20=0-3-8
Max Grav 13=906 (LC 1), 20=906 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-20=-71/0, 12-13=-71/0, 1-2=-4/0, 2-3=-2446/0, 3-4=-2446/0, 4-5=-3576/0, 5-6=-3576/0, 6-7=-3560/0, 7-8=-3560/0, 8-9=-2448/0, 9-11=-2448/0, 11-12=-4/0
BOT CHORD 18-20=0/1411, 17-18=0/3149, 16-17=0/3576, 15-16=0/3576, 14-15=0/3145, 13-14=0/1413
WEBS 11-13=-1629/0, 2-20=-1627/0, 11-14=0/1208, 2-18=0/1208, 9-14=-168/0, 3-18=-167/0, 8-14=-814/0, 4-18=-820/0, 8-15=0/485, 4-17=0/660, 7-15=-223/0, 5-17=-195/0, 6-15=-374/294, 6-16=-140/68

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 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.

LOAD CASE(S) Standard

January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL7C	Floor	2	1	I70939600 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

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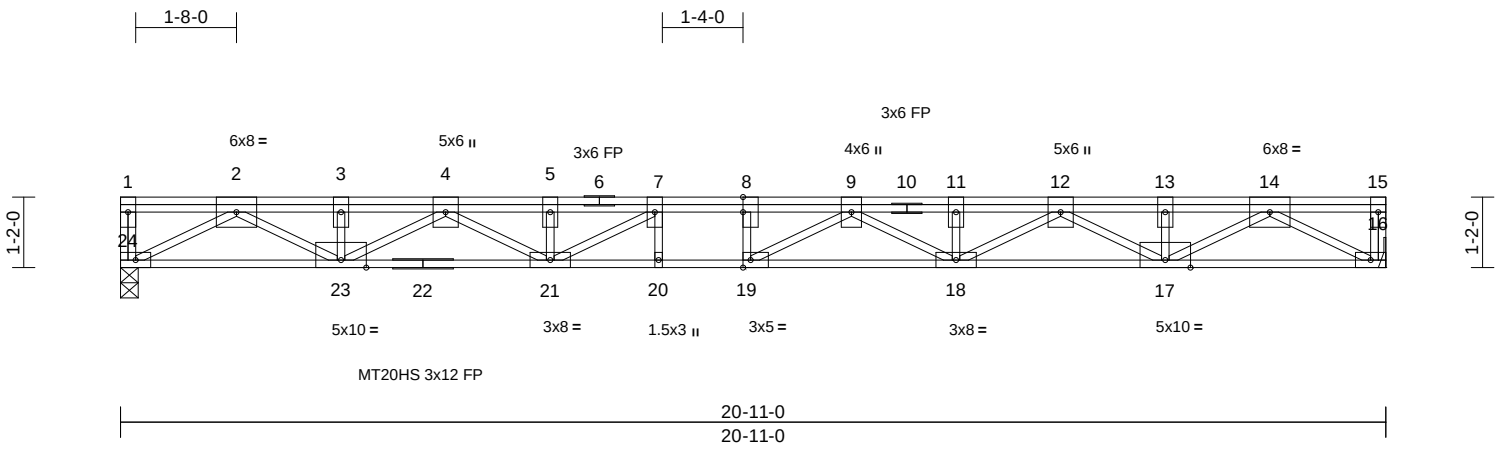


Scale = 1:38.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.38	18-19	>646	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.53	18-19	>468	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.10	16	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 135 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 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) 16= Mechanical, 24=0-3-8
Max Grav 16=1137 (LC 1), 24=1137 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-24=-93/0, 15-16=-93/0, 1-2=0/0, 2-3=-3403/0, 3-4=-3403/0, 4-5=-5347/0, 5-7=-5347/0, 7-8=-5878/0, 8-9=-5878/0, 9-11=-5366/0, 11-12=-5366/0, 12-13=-3402/0, 13-14=-3402/0, 14-15=0/0
BOT CHORD 23-24=0/1880, 21-23=0/4481, 20-21=0/5878, 19-20=0/5878, 18-19=0/5772, 17-18=0/4480, 16-17=0/1879
WEBS 14-16=-2142/0, 2-24=-2143/0, 14-17=0/1750, 2-23=0/1750, 13-17=-215/0, 3-23=-213/0, 12-17=-1239/0, 4-23=-1239/0, 12-18=0/1019, 4-21=0/996, 11-18=-233/0, 5-21=-273/64, 9-18=-477/0, 7-21=-947/39, 9-19=-332/608, 7-20=-20/63, 8-19=-251/145

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.

LOAD CASE(S) Standard

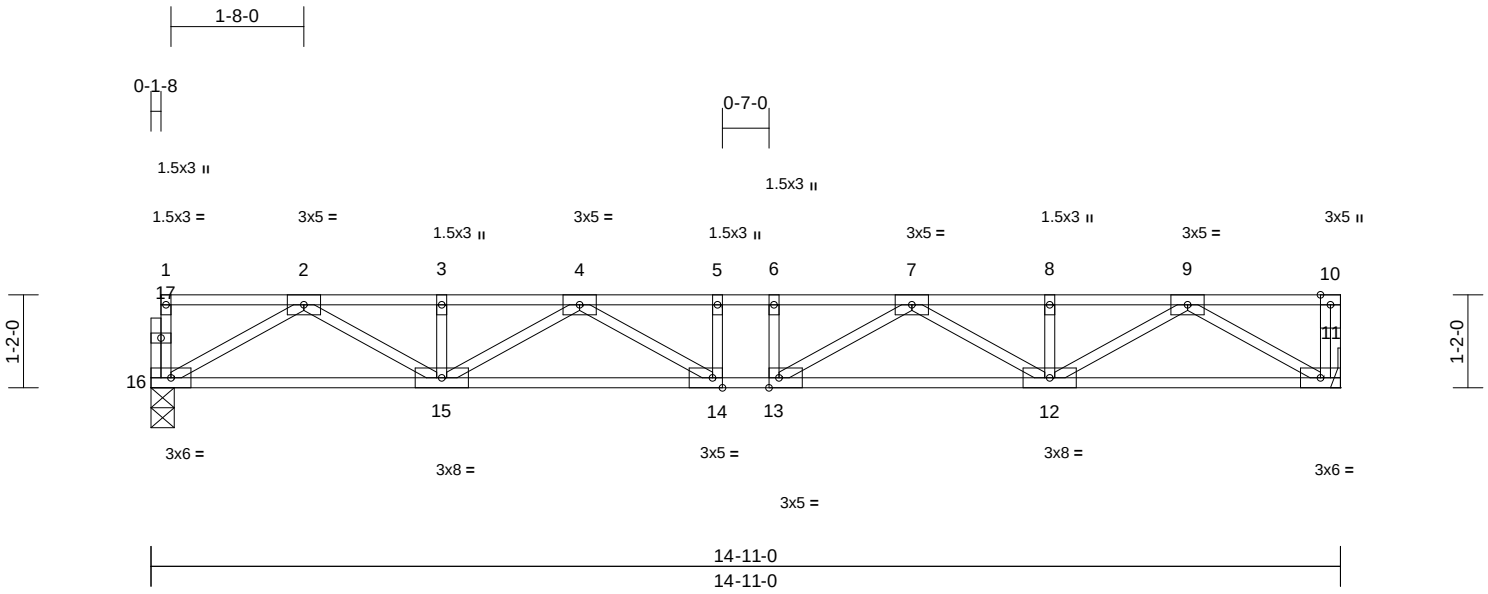
January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH	I70939601
24090030-B	FL8	Floor	2	1	Job Reference (optional)	

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 Page: 1
ID:hgX4?x6ym28graGRHwwR4RyajqY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:28.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.16	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.23	13-14	>780	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 77 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)

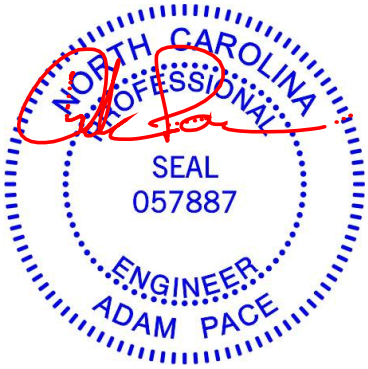
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 11= Mechanical, 16=0-3-8
Max Grav 11=807 (LC 1), 16=800 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-16=-71/0, 10-11=-73/0, 1-2=-4/0, 2-3=-2094/0, 3-4=-2094/0, 4-5=-2839/0, 5-6=-2839/0, 6-7=-2839/0, 7-8=-2094/0, 8-9=-2094/0, 9-10=0/0
BOT CHORD 15-16=0/1233, 14-15=0/2618, 13-14=0/2839, 12-13=0/2619, 11-12=0/1235
WEBS 9-11=-1428/0, 2-16=-1421/0, 9-12=0/1003, 2-15=0/1006, 8-12=-162/0, 3-15=-164/0, 7-12=-613/0, 4-15=-612/0, 7-13=-59/452, 4-14=-58/452, 5-14=-152/0, 6-13=-152/0

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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



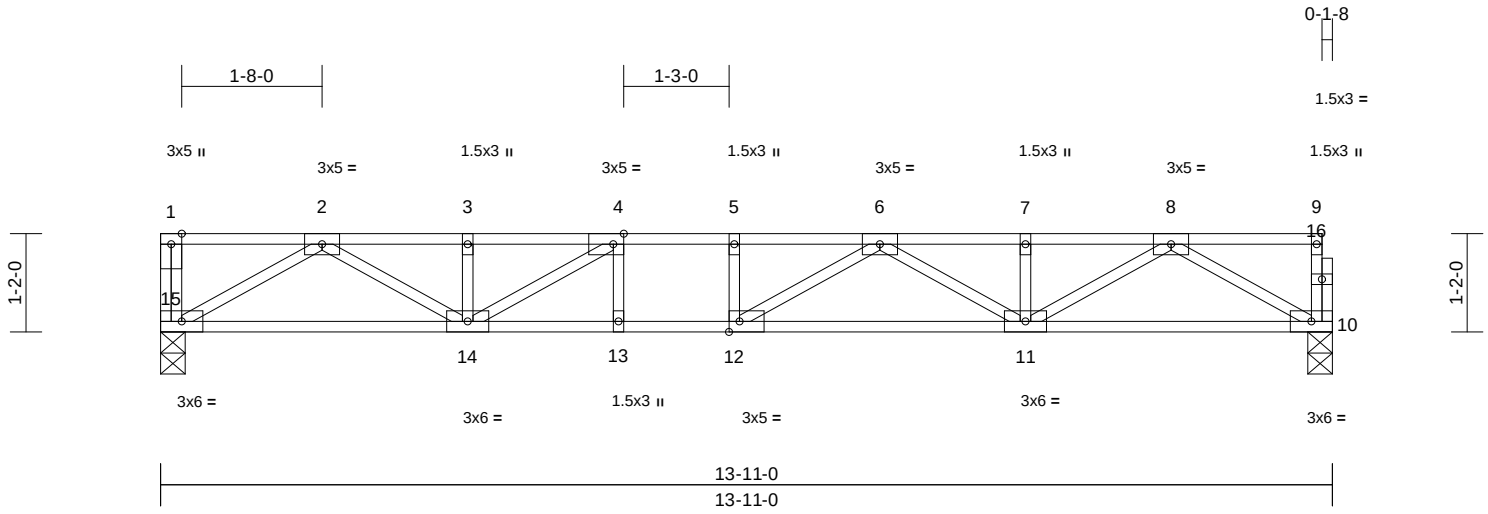
January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH	I70939602
24090030-B	FL9	Floor	8	1	Job Reference (optional)	

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:Kq1C_XcAzyXGzWoc0thM2HyajsU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:27.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.50	Vert(LL)	-0.15	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.21	11-12	>772	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.04	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 72 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 (size) 10=0-3-8, 15=0-3-8
Max Grav 10=745 (LC 1), 15=752 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-15=-74/0, 9-10=-70/0, 1-2=0/0, 2-3=-1896/0, 3-4=-1896/0, 4-5=-2417/0, 5-6=-2417/0, 6-7=-1912/0, 7-8=-1912/0, 8-9=-4/0
BOT CHORD 14-15=0/1138, 13-14=0/2417, 12-13=0/2417, 11-12=0/2343, 10-11=0/1142
WEBS 8-10=-1316/0, 2-15=-1317/0, 8-11=0/899, 2-14=0/884, 7-11=-155/0, 3-14=-190/34, 6-11=-503/0, 4-14=-723/0, 6-12=-137/351, 4-13=-35/125, 5-12=-124/0

NOTES

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

LOAD CASE(S) Standard

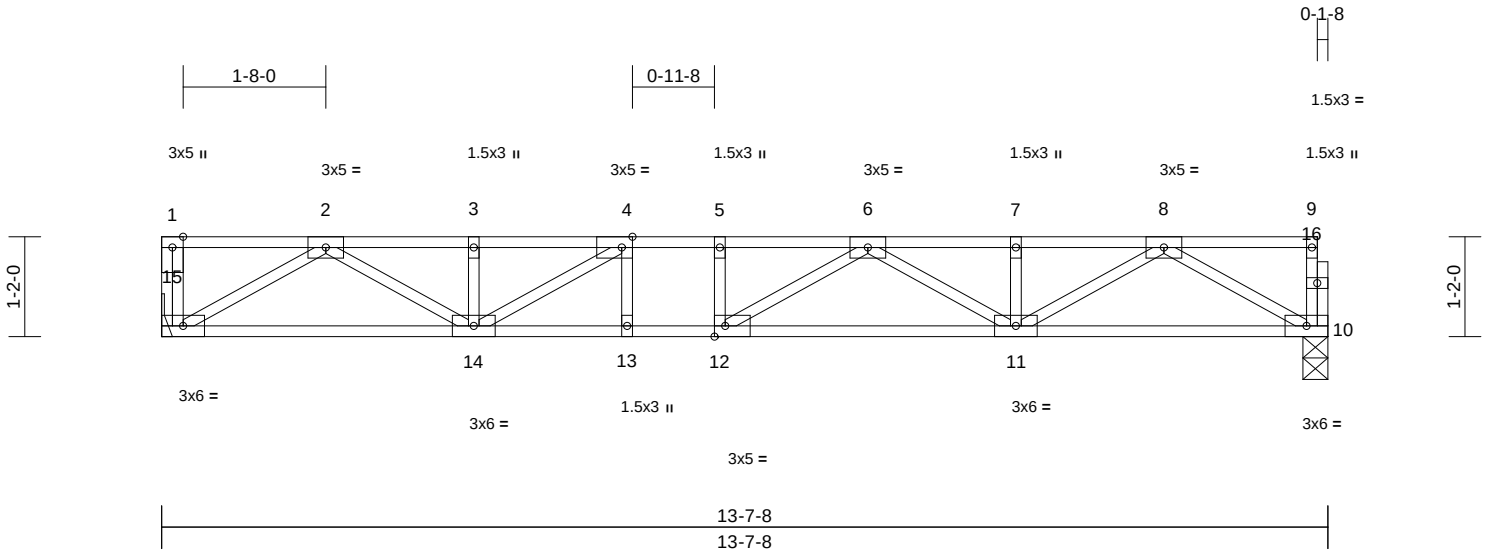
January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH	
24090030-B	FL9A	Floor	10	1	Job Reference (optional)	I70939603

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:Kq1C_XcAzyXGzWoc0thM2HyajsU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:26.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.13	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.19	11-12	>854	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.04	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 71 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 (size) 10=0-3-8, 15= Mechanical
Max Grav 10=729 (LC 1), 15=736 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-15=-74/0, 9-10=-70/0, 1-2=0/0, 2-3=-1845/0, 3-4=-1845/0, 4-5=-2319/0, 5-6=-2319/0, 6-7=-1857/0, 7-8=-1857/0, 8-9=-4/0
BOT CHORD 14-15=0/1111, 13-14=0/2319, 12-13=0/2319, 11-12=0/2263, 10-11=0/1114
WEBS 8-10=-1283/0, 2-15=-1285/0, 8-11=0/868, 2-14=0/858, 7-11=-157/0, 3-14=-189/19, 6-11=-474/0, 4-14=-657/0, 6-12=-150/316, 4-13=-39/117, 5-12=-103/8

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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL9GE	Floor Supported Gable	1	1	I70939604 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

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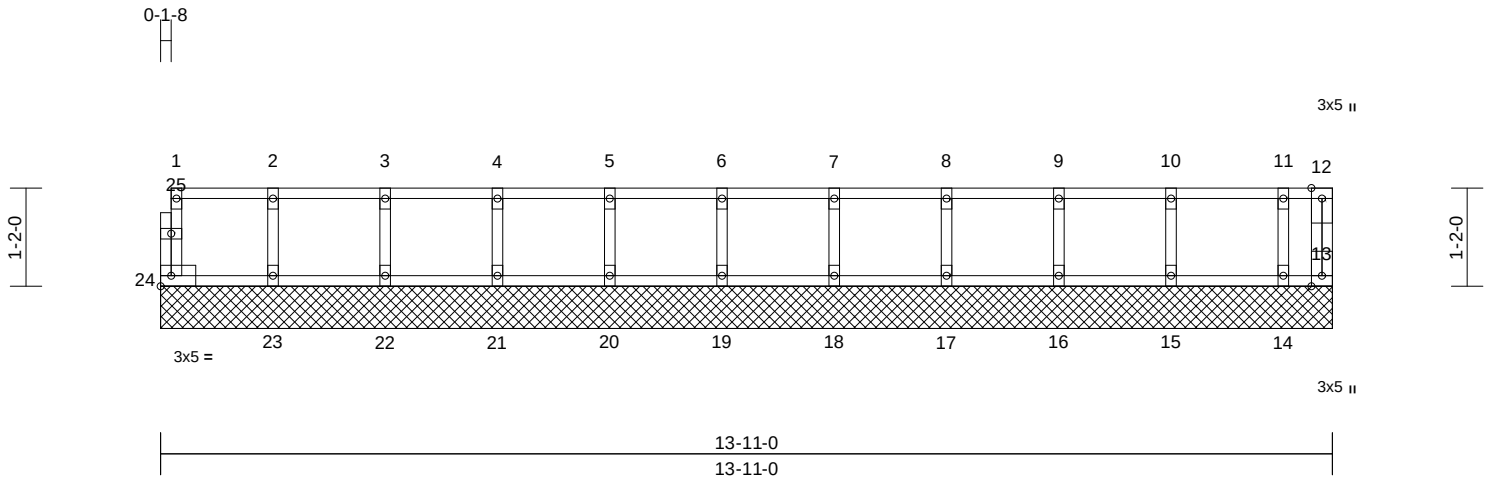


Scale = 1:27.4

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	0.08	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	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 60 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)

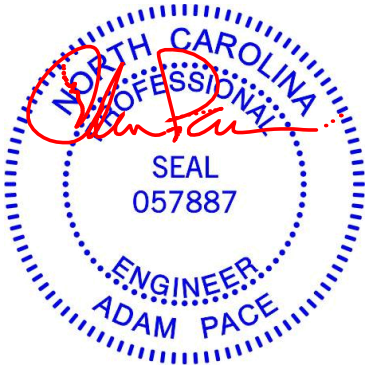
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 13=13-11-0, 14=13-11-0, 15=13-11-0, 16=13-11-0, 17=13-11-0, 18=13-11-0, 19=13-11-0, 20=13-11-0, 21=13-11-0, 22=13-11-0, 23=13-11-0, 24=13-11-0
Max Grav 13=16 (LC 1), 14=103 (LC 1), 15=153 (LC 1), 16=145 (LC 1), 17=147 (LC 1), 18=147 (LC 1), 19=147 (LC 1), 20=147 (LC 1), 21=147 (LC 1), 22=147 (LC 1), 23=147 (LC 1), 24=53 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-24=-49/0, 12-13=-7/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0, 7-8=-7/0, 8-9=-7/0, 9-10=-7/0, 10-11=-7/0, 11-12=-7/0
BOT CHORD 23-24=0/7, 22-23=0/7, 21-22=0/7, 20-21=0/7, 19-20=0/7, 18-19=0/7, 17-18=0/7, 16-17=0/7, 15-16=0/7, 14-15=0/7, 13-14=0/7
WEBS 2-23=-132/0, 3-22=-134/0, 4-21=-133/0, 5-20=-133/0, 6-19=-133/0, 7-18=-133/0, 8-17=-134/0, 9-16=-132/0, 10-15=-139/0, 11-14=-101/0

NOTES
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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



January 24,2025

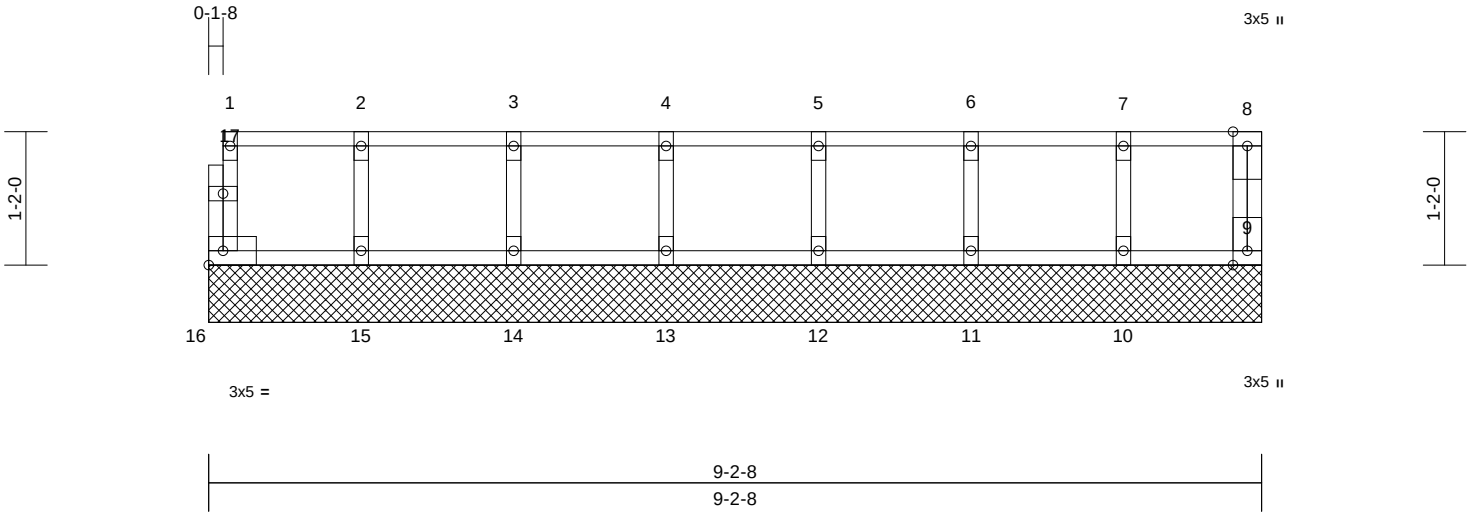
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL10GE	Floor Supported Gable	1	1	I70939605 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32

ID:Xw?3XE0NLnTAjyxgcSFo42yajpO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:20.2

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	0.08	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)	0.00	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 41 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 (size) 9=9-2-8, 10=9-2-8, 11=9-2-8, 12=9-2-8, 13=9-2-8, 14=9-2-8, 15=9-2-8, 16=9-2-8
Max Grav 9=56 (LC 1), 10=134 (LC 1), 11=150 (LC 1), 12=146 (LC 1), 13=147 (LC 1), 14=148 (LC 1), 15=144 (LC 1), 16=55 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-16=-51/0, 8-9=-49/0, 1-2=-9/0, 2-3=-9/0, 3-4=-9/0, 4-5=-9/0, 5-6=-9/0, 6-7=-9/0, 7-8=-9/0
BOT CHORD 15-16=0/9, 14-15=0/9, 13-14=0/9, 12-13=0/9, 11-12=0/9, 10-11=0/9, 9-10=0/9
WEBS 2-15=-131/0, 3-14=-134/0, 4-13=-133/0, 5-12=-133/0, 6-11=-136/0, 7-10=-124/0

NOTES

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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

January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL11GE	Floor Supported Gable	1	1	I70939606 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 ID:2vsPdSNlbpwZUyygZXJcz4yajqC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

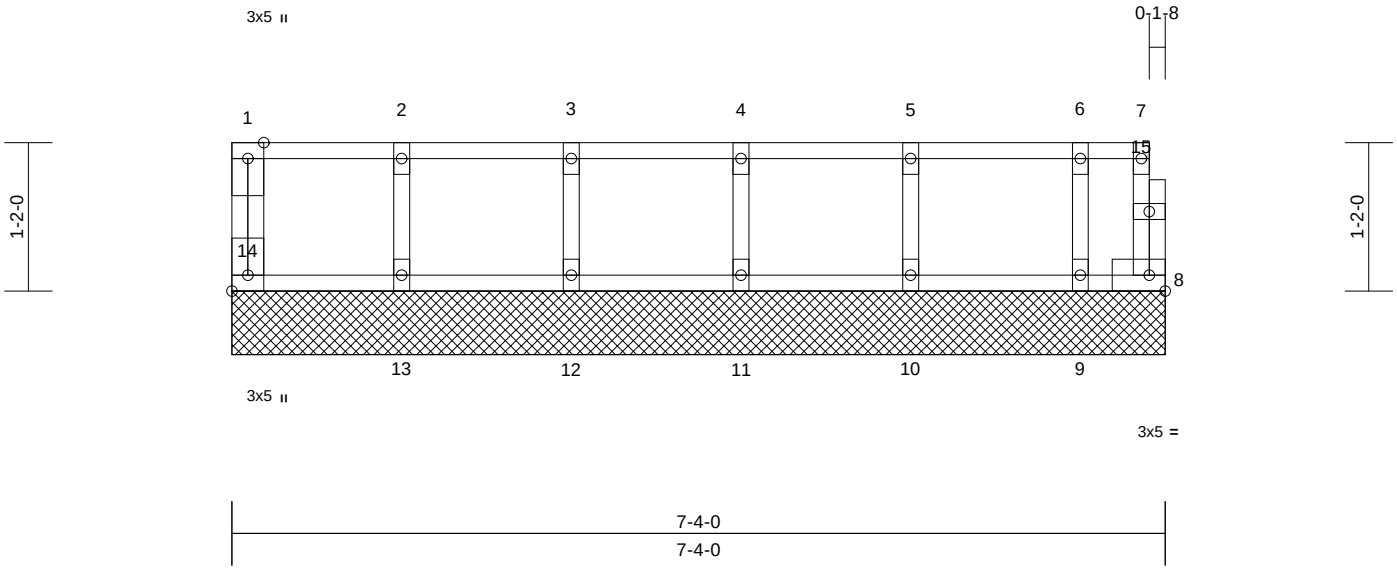


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Plate Offsets (X, Y): [14:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	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	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 34 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.

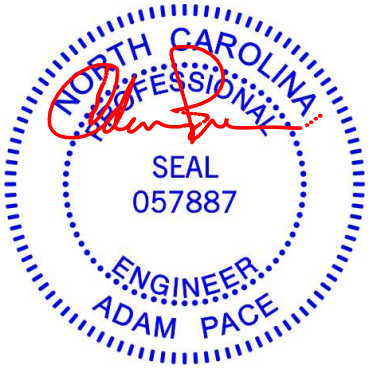
REACTIONS (size) 8=7-4-0, 9=7-4-0, 10=7-4-0, 11=7-4-0, 12=7-4-0, 13=7-4-0, 14=7-4-0
Max Grav 8=17 (LC 1), 9=105 (LC 1), 10=153 (LC 1), 11=145 (LC 1), 12=147 (LC 1), 13=147 (LC 1), 14=59 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-55/0, 7-8=-9/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0
BOT CHORD 13-14=0/7, 12-13=0/7, 11-12=0/7, 10-11=0/7, 9-10=0/7, 8-9=0/7
WEBS 2-13=-132/0, 3-12=-134/0, 4-11=-132/0, 5-10=-139/0, 6-9=-102/0

NOTES

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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



January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH	I70939607
24090030-B	FL12	Floor	8	1	Job Reference (optional)	

Carter Components (Sanford, NC), Sanford, NC - 27332,

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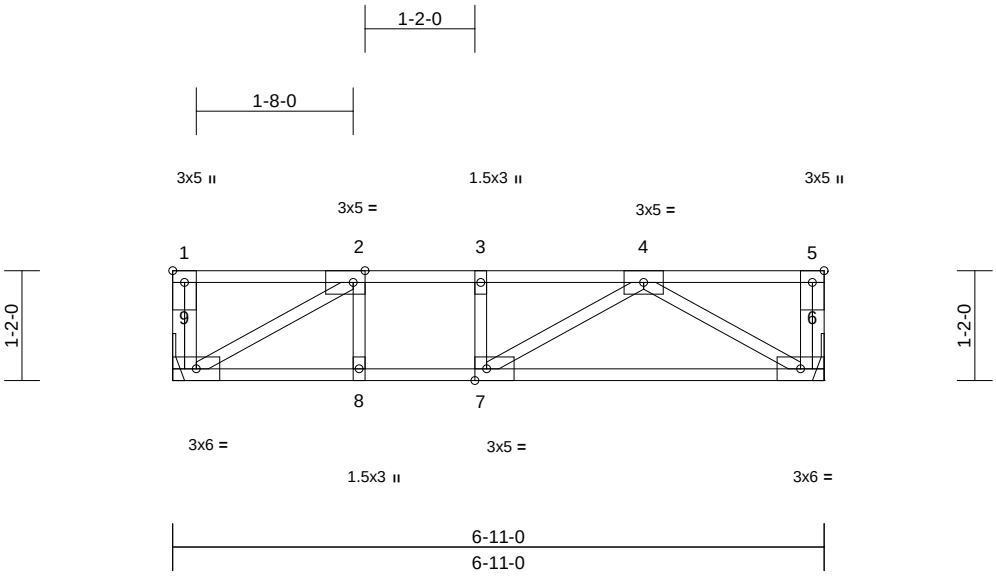


Scale = 1:24.5

Plate Offsets (X, Y): [1:Edge,0-1-8], [2:0-1-8,Edge], [7:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.04	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.38	Vert(CT)	-0.07	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 37 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)

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= Mechanical, 9= Mechanical
Max Grav 6=367 (LC 1), 9=367 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-9=-75/10, 5-6=-67/0, 1-2=0/0, 2-3=-553/0, 3-4=-553/0, 4-5=0/0
BOT CHORD 8-9=0/553, 7-8=0/553, 6-7=0/481
WEBS 4-6=-556/0, 2-9=-635/0, 4-7=0/171, 2-8=0/83, 3-7=-54/0

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.

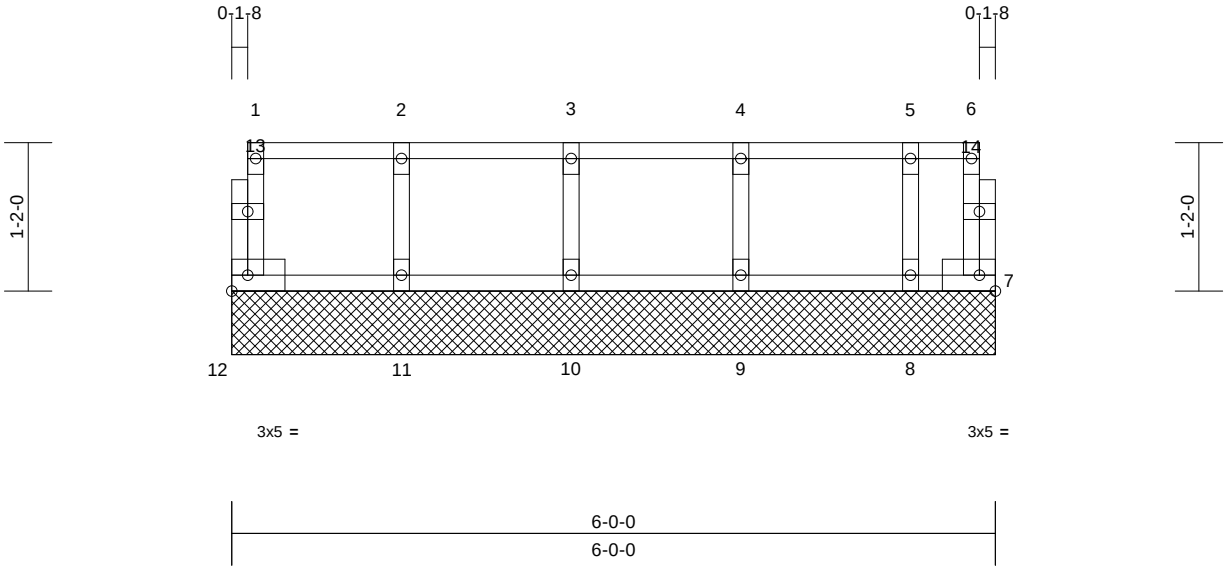
LOAD CASE(S) Standard

January 24,2025

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Isabelle-2nd Floor-Isabelle GRH
24090030-B	FL13GE	Floor Supported Gable	1	1	I70939608 Job Reference (optional)

Carter Components (Sanford, NC), Sanford, NC - 27332, Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 22 11:55:32 Page: 1
ID:pGwi?d5mhxMB31z0WQtRsWyajpH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:18.1

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	0.08	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	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 28 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 (size) 7=6-0-0, 8=6-0-0, 9=6-0-0, 10=6-0-0, 11=6-0-0, 12=6-0-0
Max Grav 7=17 (LC 1), 8=105 (LC 1), 9=153 (LC 1), 10=145 (LC 1), 11=148 (LC 1), 12=53 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-12=-49/0, 6-7=-9/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 4-5=-7/0, 5-6=-7/0
BOT CHORD 11-12=0/7, 10-11=0/7, 9-10=0/7, 8-9=0/7, 7-8=0/7
WEBS 2-11=-133/0, 3-10=-132/0, 4-9=-139/0, 5-8=-102/0

NOTES
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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

January 24,2025

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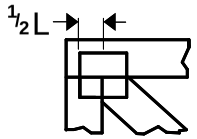
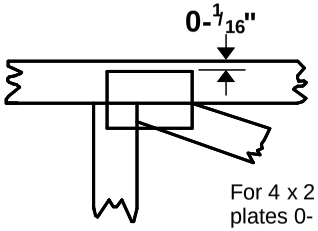
Symbols

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.

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

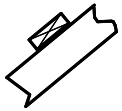
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

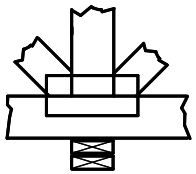
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

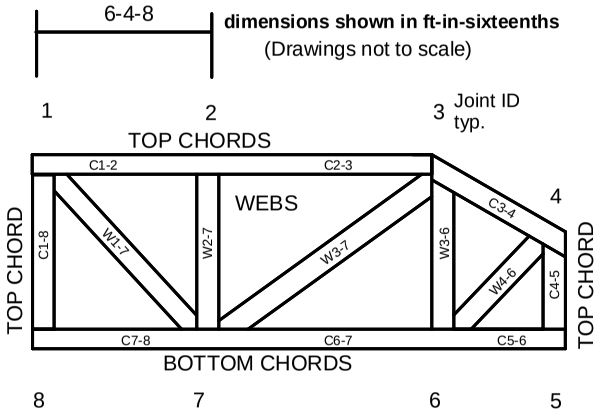


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: 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.

MiTek®

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. 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.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. 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.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. 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.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.