

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J1024-5483
Lot 151 Duncan's Creek

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: I68802578 thru I68802589

My license renewal date for the state of North Carolina is December 31, 2024.

North Carolina COA: C-0844



October 11, 2024

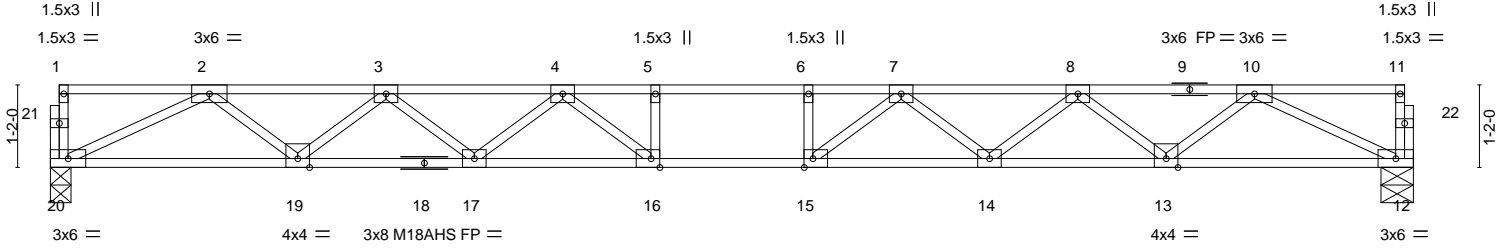
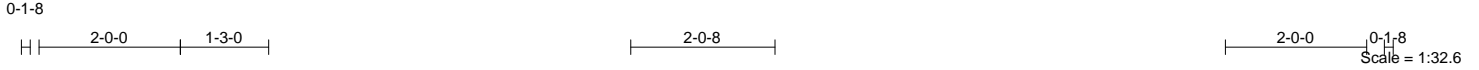
Gilbert, Eric

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

| | | | | | | |
|-------------------|--------------|---------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss F01 | Truss Type Floor | Qty 2 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802578 |
|-------------------|--------------|---------------------|----------|----------|--|-----------|

Comtech, Inc. Fayetteville, NC - 28314,

8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:33 2024 Page 1
ID: jH8OeXi_DzQ_5SEVd6nw_azjDtR-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



19-3-8
19-3-8

Plate Offsets (X,Y)-- [15:0-1-8,Edge], [16:0-1-8,Edge]

| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|-------------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.30 | Vert(LL) | -0.25 15-16 | >900 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.43 | Vert(CT) | -0.35 15-16 | >655 | 360 | M18AHS | 186/179 |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.43 | Horz(CT) | 0.06 12 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | |
| | | | | | | | | Weight: 94 lb | FT = 20%F, 11%E |

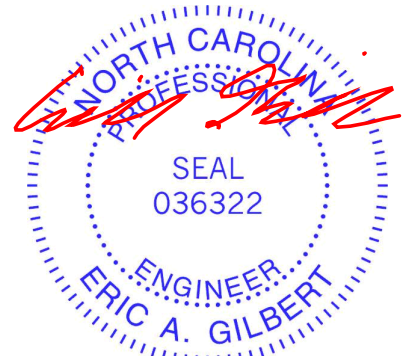
LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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) 20=0-3-8, 12=0-5-8
Max Grav 20=832(LC 1), 12=832(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2206/0, 3-4=-3228/0, 4-5=-3783/0, 5-6=-3783/0, 6-7=-3783/0, 7-8=-3228/0, 8-10=-2206/0
BOT CHORD 19-20=0/1539, 17-19=0/2843, 16-17=0/3590, 15-16=0/3783, 14-15=0/3590, 13-14=0/2843, 12-13=0/1539
WEBS 2-20=-1709/0, 2-19=0/869, 3-19=-829/0, 3-17=0/501, 4-17=-472/0, 4-16=-97/553, 10-12=-1709/0, 10-13=0/869, 8-13=-829/0, 8-14=0/501, 7-14=-472/0, 7-15=-97/553, 6-15=-250/3, 5-16=-250/3

- 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 3x4 MT20 unless otherwise indicated.
 - 4) Plates checked for a plus or minus 1 degree rotation about its center.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.



October 11, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPH Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

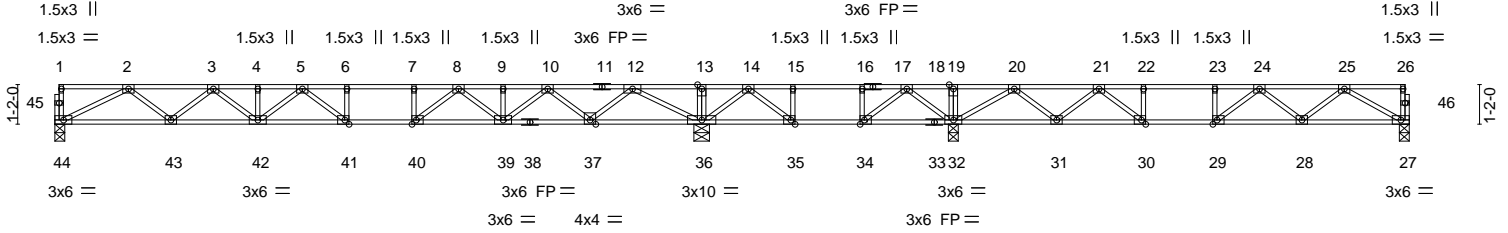


818 Soundside Road
Edenton, NC 27932

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|-------------------|--------------|---------------------|----------|----------|-------------------------------------|
| Job J1024-5483 | Truss F02 | Truss Type Floor | Qty 2 | Ply 1 | Lot 151 Duncan's Creek 168802579 |
|-------------------|--------------|---------------------|----------|----------|-------------------------------------|

Comtech, Inc. Fayetteville, NC - 28314,

8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:33 2024 Page 1
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| | | | |
|------------------------|--|------------------|-------------------|
| | 19-0-12 19-0-12 | 26-5-12 7-5-0 | 39-11-0 13-5-4 |
| Plate Offsets (X, Y)-- | [29:0-1-8,Edge], [30:0-1-8,Edge], [34:0-1-8,Edge], [35:0-1-8,Edge], [40:0-1-8,Edge], [41:0-1-8,Edge] | | |

| | | | | | | | | | |
|----------------------|----------------------|-------|-------------|--------------|-------------|--------|-----|----------------|-----------------|
| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.62 | Vert(LL) | -0.26 41-42 | >876 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.78 | Vert(CT) | -0.36 41-42 | >638 | 360 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.49 | Horz(CT) | 0.05 36 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | |
| | | | | | | | | Weight: 198 lb | FT = 20%F, 11%E |

| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. All bearings 0-3-8 except (jt=length) 36=0-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 44=730(LC 3), 36=1382(LC 3), 32=992(LC 4), 27=513(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1834/0, 3-4=-2684/0, 4-5=-2684/0, 5-6=-2862/0, 6-7=-2862/0, 7-8=-2862/0, 8-9=-1995/0, 9-10=-1995/0, 10-12=-679/42, 12-13=0/1909, 13-14=0/1906, 14-15=-35/1332, 15-16=-35/1332, 16-18=-35/1332, 18-19=0/1274, 19-20=0/1275, 20-21=-619/321, 21-22=-1410/0, 22-23=-1410/0, 23-24=-1410/0, 24-25=-1105/0
BOT CHORD 43-44=0/1289, 42-43=0/2355, 41-42=0/2880, 40-41=0/2862, 39-40=0/2448, 37-39=0/1426, 36-37=-324/0, 35-36=-1593/0, 34-35=-1332/35, 32-34=-1192/0, 31-32=-504/156, 30-31=-135/1077, 29-30=0/1410, 28-29=0/1375, 27-28=0/785
WEBS 2-44=-1443/0, 12-36=-1841/0, 12-37=0/1035, 10-37=-989/0, 10-39=0/744, 2-43=0/710, 3-43=-678/0, 3-42=0/420, 5-42=-253/0, 5-41=-279/284, 8-39=-595/0, 8-40=0/729, 7-40=-324/0, 18-32=-431/66, 18-34=-179/295, 14-36=-613/0, 14-35=0/619, 15-35=-298/0, 20-32=-1197/0, 20-31=0/645, 21-31=-663/0, 25-27=-905/0, 25-28=0/416, 24-28=-351/5, 21-30=0/625, 22-30=-278/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 - 5) CAUTION, Do not erect truss backwards.



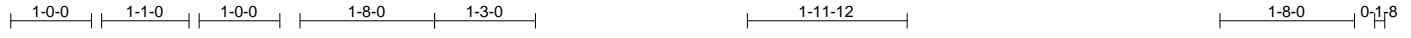
October 11, 2024

| | |
|--|---|
| <p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)</p> | <p>818 Soundside Road Edenton, NC 27932</p> |
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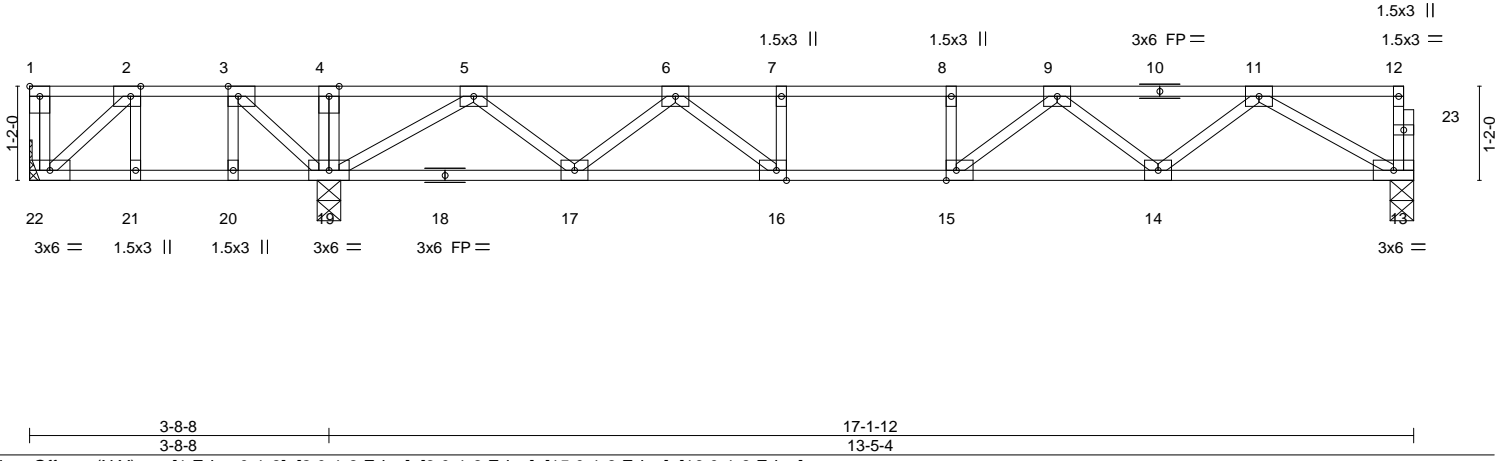
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|-------------------|--------------|---------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss F03 | Truss Type Floor | Qty 2 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802580 |
|-------------------|--------------|---------------------|----------|----------|--|-----------|

Comtech, Inc. Fayetteville, NC - 28314,

8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:34 2024 Page 1
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Scale = 1:28.5



| LOADING (psf) | SPACING- | 1-7-3 | CSL | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|-------------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.34 | Vert(LL) | -0.09 14-15 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.42 | Vert(CT) | -0.12 14-15 | >999 | 360 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.27 | Horz(CT) | 0.02 13 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | |
| | | | | | | | | Weight: 88 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (size) 22=Mechanical, 19=0-3-8, 13=0-3-8
 Max Uplift 22=104(LC 4)
 Max Grav 22=116(LC 3), 19=932(LC 1), 13=542(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=0/525, 4-5=0/526, 5-6=904/0, 6-7=1590/0, 7-8=1590/0, 8-9=1590/0, 9-11=1183/0
 BOT CHORD 17-19=0/472, 16-17=0/1320, 15-16=0/1590, 14-15=0/1492, 13-14=0/833
 WEBS 2-22=77/287, 3-19=515/0, 11-13=960/0, 5-19=1101/0, 5-17=0/570, 6-17=550/0, 6-16=0/463, 11-14=0/456, 9-14=402/0, 9-15=27/293

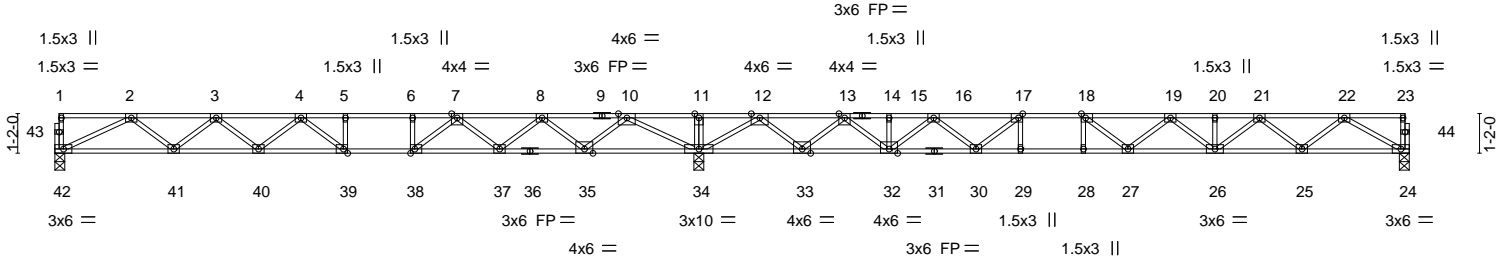
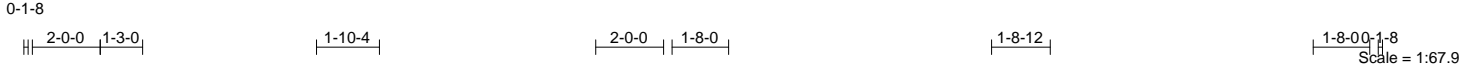
- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 22.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 - 7) CAUTION, Do not erect truss backwards.



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|-------------------|--------------|---------------------|-----------|----------|-------------------------------------|
| Job J1024-5483 | Truss F05 | Truss Type Floor | Qty 11 | Ply 1 | Lot 151 Duncan's Creek 168802581 |
|-------------------|--------------|---------------------|-----------|----------|-------------------------------------|

Comtech, Inc. Fayetteville, NC - 28314,

8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:35 2024 Page 1
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| | |
|-----------------------|--|
| Plate Offsets (X,Y)-- | [17:0-1-8,Edge], [18:0-1-8,Edge], [38:0-1-8,Edge], [39:0-1-8,Edge] |
|-----------------------|--|

| LOADING (psf) | SPACING- | CSL. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------------|----------------|-----------------|
| TCLL 40.0 | 1-7-3 | TC 0.78 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.68 | Vert(LL) -0.32 27-28 >792 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.62 | Vert(CT) -0.41 27-28 >603 360 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.05 24 n/a n/a | | |
| | Code IRC2015/TP12014 | | | Weight: 197 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|---|---|
| TOP CHORD 2x4 SP No.1(flat) *Except* 9-14: 2x4 SP 2400F 2.0E(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP 2400F 2.0E(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (size) 42=0-3-8, 34=0-3-8, 24=0-3-8
Max Grav 42=703(LC 3), 34=2136(LC 1), 24=783(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1787/0, 3-4=-2522/0, 4-5=-2625/262, 5-6=-2625/262, 6-7=-2625/262, 7-8=-1669/904, 8-10=-393/1494, 10-11=0/3646, 11-12=0/3644, 12-13=-77/1232, 13-15=-1735/593, 15-16=-1735/593, 16-17=-2770/133, 17-18=-3278/0, 18-19=-3316/0, 19-20=-2891/0, 20-21=-2891/0, 21-22=-1880/0
BOT CHORD 41-42=0/1278, 40-41=0/2275, 39-40=-13/2706, 38-39=-262/2625, 37-38=-618/2190, 35-37=-1166/1163, 34-35=-1885/0, 33-34=-1919/0, 32-33=-897/996, 30-32=-353/2358, 29-30=0/3278, 28-29=0/3278, 27-28=0/3278, 26-27=0/3246, 25-26=0/2486, 24-25=0/1243
WEBS 2-42=-1419/0, 10-34=-2086/0, 10-35=0/1179, 8-35=-1132/0, 8-37=0/778, 7-37=-833/0, 7-38=0/974, 2-41=0/663, 3-41=-635/3, 3-40=-54/321, 4-39=-558/0, 6-38=-392/0, 12-34=-1993/0, 12-33=0/1311, 13-33=-1292/0, 13-32=0/1039, 22-24=-1434/0, 22-25=0/830, 21-25=-789/0, 21-26=0/517, 19-26=-453/0, 18-27=-119/475, 16-32=-873/0, 16-30=0/682, 17-30=-951/0, 17-29=0/353, 18-28=-331/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 - 5) CAUTION, Do not erect truss backwards.



| | |
|--|---|
| <p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)</p> | 818 Soundside Road Edenton, NC 27932 |
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|-------------------|-----------------|---------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss F06GRD | Truss Type Floor | Qty 1 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802582 |
|-------------------|-----------------|---------------------|----------|----------|--|-----------|

Comtech, Inc. Fayetteville, NC - 28314,

8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:36 2024 Page 2
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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 23=-26(F) 21=-26(F) 17=-113(F) 47=-26(F) 48=-26(F) 49=-26(F) 50=-26(F) 51=-26(F) 52=-26(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

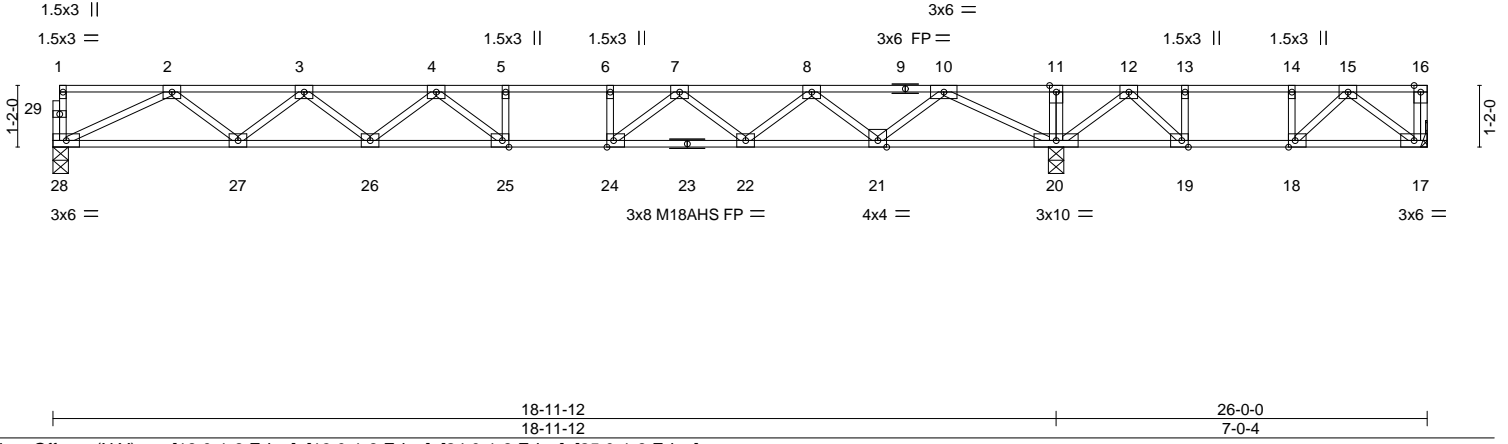


818 Soundside Road
Edenton, NC 27932

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|-------------------|--------------|---------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss F07 | Truss Type Floor | Qty 1 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802583 |
|-------------------|--------------|---------------------|----------|----------|--|-----------|

Comtech, Inc. Fayetteville, NC - 28314,

8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:36 2024 Page 1
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| | | | | | |
|------------------------|--|-------------|----------------------------------|----------------|-----------------|
| Plate Offsets (X, Y)-- | [18:0-1-8,Edge], [19:0-1-8,Edge], [24:0-1-8,Edge], [25:0-1-8,Edge] | | | | |
| LOADING (psf) | SPACING- 1-7-3 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.80 | Vert(LL) -0.26 25-26 >853 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.76 | Vert(CT) -0.36 25-26 >621 360 | M18AHS | 186/179 |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.47 | Horz(CT) 0.05 20 n/a n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | Matrix-S | | Weight: 129 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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, Except: 6-0-0 oc bracing: 19-20,18-19,17-18.

REACTIONS. (size) 28=0-3-8, 20=0-3-8, 17=Mechanical
Max Uplift 17=121(LC 3)
Max Grav 28=751(LC 10), 20=1421(LC 1), 17=239(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1942/0, 3-4=-2781/0, 4-5=-3053/0, 5-6=-3053/0, 6-7=-3053/0, 7-8=-2264/0, 8-10=-1100/0, 10-11=0/1431, 11-12=0/1426, 12-13=-269/536, 13-14=-269/536, 14-15=-269/536
BOT CHORD 27-28=0/1374, 26-27=0/2484, 25-26=0/3034, 24-25=0/3053, 22-24=0/2716, 21-22=0/1813, 20-21=0/345, 19-20=-984/0, 18-19=-536/269
WEBS 2-28=-1526/0, 10-20=-1819/0, 10-21=0/996, 8-21=-944/0, 8-22=0/600, 7-22=-604/0, 7-24=0/650, 6-24=-286/0, 2-27=0/739, 3-27=-705/0, 3-26=0/387, 4-26=-329/0, 4-25=-232/342, 12-20=-721/0, 15-17=-297/246, 15-18=-477/45, 12-19=0/800, 13-19=-430/0

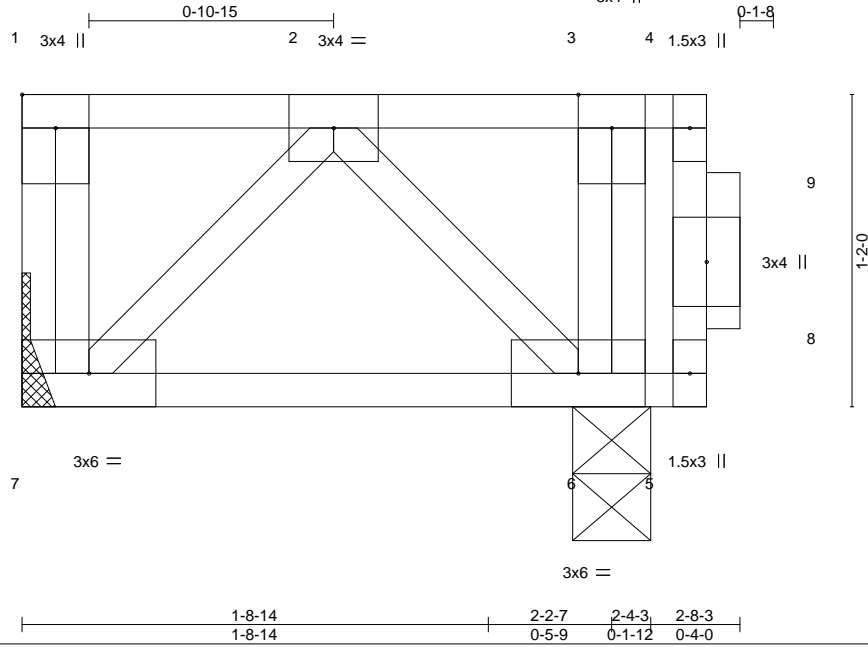
- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x4 MT20 unless otherwise indicated.
 - 4) Plates checked for a plus or minus 1 degree rotation about its center.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 17.
 - 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 - 8) CAUTION, Do not erect truss backwards.



| | | | | | | |
|-------------------|--------------|---------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss F08 | Truss Type Floor | Qty 8 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802584 |
|-------------------|--------------|---------------------|----------|----------|--|-----------|

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8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:37 2024 Page 1
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Scale = 1:8.6

| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|----------|--------|------|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.04 | Vert(LL) | -0.00 | 7 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.03 | Vert(CT) | -0.00 | 6-7 | >999 | | |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.04 | Horz(CT) | 0.00 | 6 | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | |
| | | | | | | | | Weight: 19 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 2-8-3 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (size) 7=Mechanical, 6=0-3-8
Max Grav 7=90(LC 1), 6=459(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-387/0

- NOTES-**
- Plates checked for a plus or minus 1 degree rotation about its center.
 - Refer to girder(s) for truss to truss connections.
 - Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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
- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-7=-8, 1-4=-80
Concentrated Loads (lb)
Vert: 3=-340
 - Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-7=-8, 1-4=-80
Concentrated Loads (lb)
Vert: 3=-340



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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



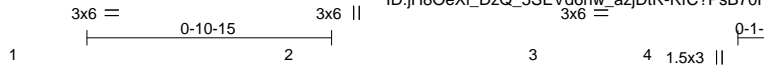
818 Soundside Road
Edenton, NC 27932

| | | | | | | |
|-------------------|-----------------|----------------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss F08GRD | Truss Type Floor Girder | Qty 1 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802585 |
|-------------------|-----------------|----------------------------|----------|----------|--|-----------|

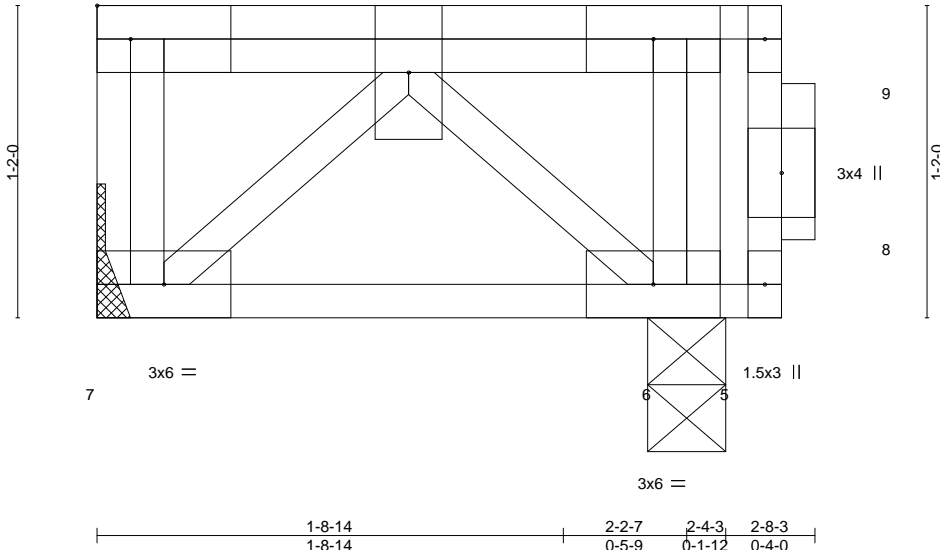
Comtech, Inc. Fayetteville, NC - 28314,

8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:37 2024 Page 1

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Scale = 1:8.6



| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|----------|--------|------|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.02 | Vert(LL) | 0.00 | 7 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.04 | Vert(CT) | -0.00 | 6-7 | >999 | | |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.04 | Horz(CT) | 0.00 | 6 | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | Weight: 22 lb | FT = 20%F, 11%E |

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-8-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 7=Mechanical, 6=0-3-8
 Max Uplift 7=3(LC 3)
 Max Grav 7=177(LC 1), 6=207(LC 1)

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) Plates checked for a plus or minus 1 degree rotation about its center.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 7.
- 5) Load case(s) 1, 2, 3, 4 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
- 7) CAUTION, Do not erect truss backwards.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 340 lb down at 2-5-15, and 175 lb down and 185 lb up at 1-5-7 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

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 5-7=-8, 1-4=-80
 Concentrated Loads (lb)
 Vert: 2=-175(F)
- 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 5-7=-8, 1-4=-80
 Concentrated Loads (lb)
 Vert: 2=-175(F)
- 3) Reversal: Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 5-7=-8, 1-4=-80
 Concentrated Loads (lb)
 Vert: 2=185(F)



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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

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

| | | | | | | |
|------------|--------|--------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | Lot 151 Duncan's Creek | 168802585 |
| J1024-5483 | F08GRD | Floor Girder | 1 | 1 | Job Reference (optional) | |

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8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:37 2024 Page 2
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LOAD CASE(S) Standard

4) Reversal: Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 5-7=-8, 1-4=-80

Concentrated Loads (lb)

Vert: 2=185(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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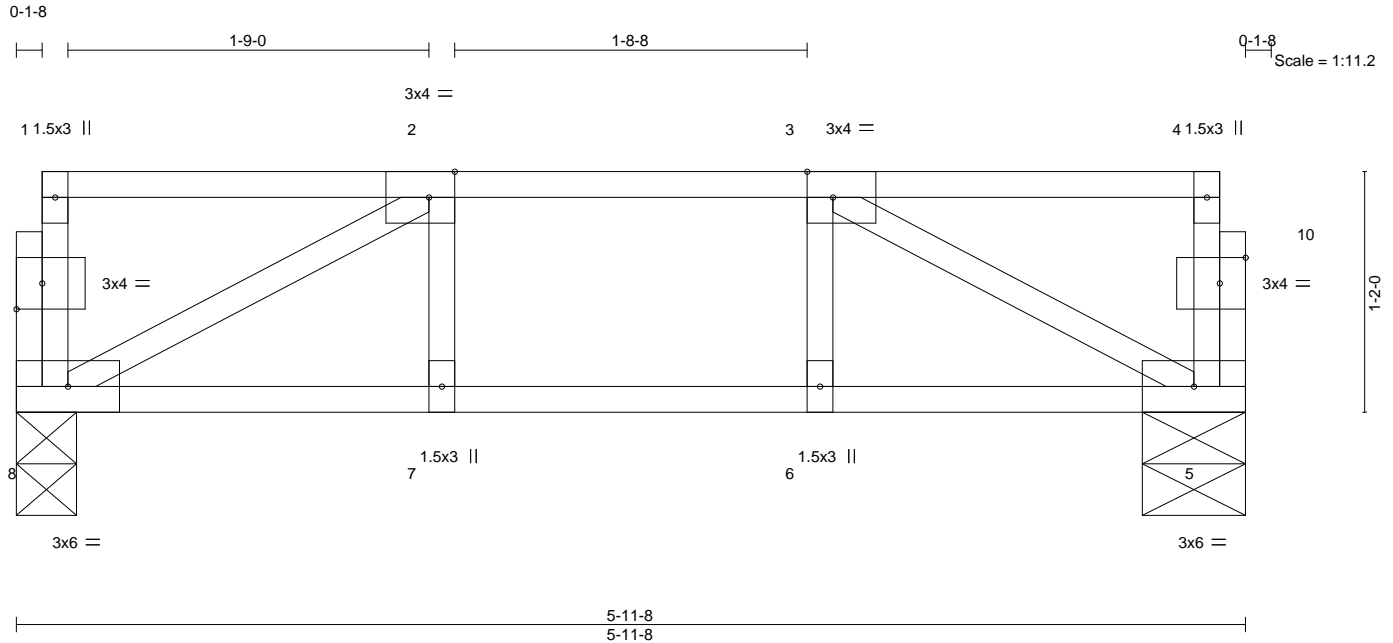


818 Soundside Road
 Edenton, NC 27932

| | | | | | | |
|-------------------|--------------|---------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss F09 | Truss Type Floor | Qty 4 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802586 |
|-------------------|--------------|---------------------|----------|----------|--|-----------|

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8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:37 2024 Page 1
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| | | | | | | | | | |
|----------------------|-----------------|-----------------|-------------|--------------|----------|--------|------|---------------|-----------------|
| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.13 | Vert(LL) | -0.01 | 7 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.12 | Vert(CT) | -0.02 | 7 | >999 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.09 | Horz(CT) | 0.00 | 5 | n/a | | |
| BCDL 5.0 | Code | IRC2015/TPI2014 | Matrix-S | | | | | | |
| | | | | | | | | Weight: 31 lb | FT = 20%F, 11%E |

| | |
|-----------------------------|--|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (size) 8=0-3-8, 5=0-6-0
Max Grav 8=246(LC 1), 5=246(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-334/0
BOT CHORD 7-8=0/334, 6-7=0/334, 5-6=0/334
WEBS 3-5=-375/0, 2-8=-375/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

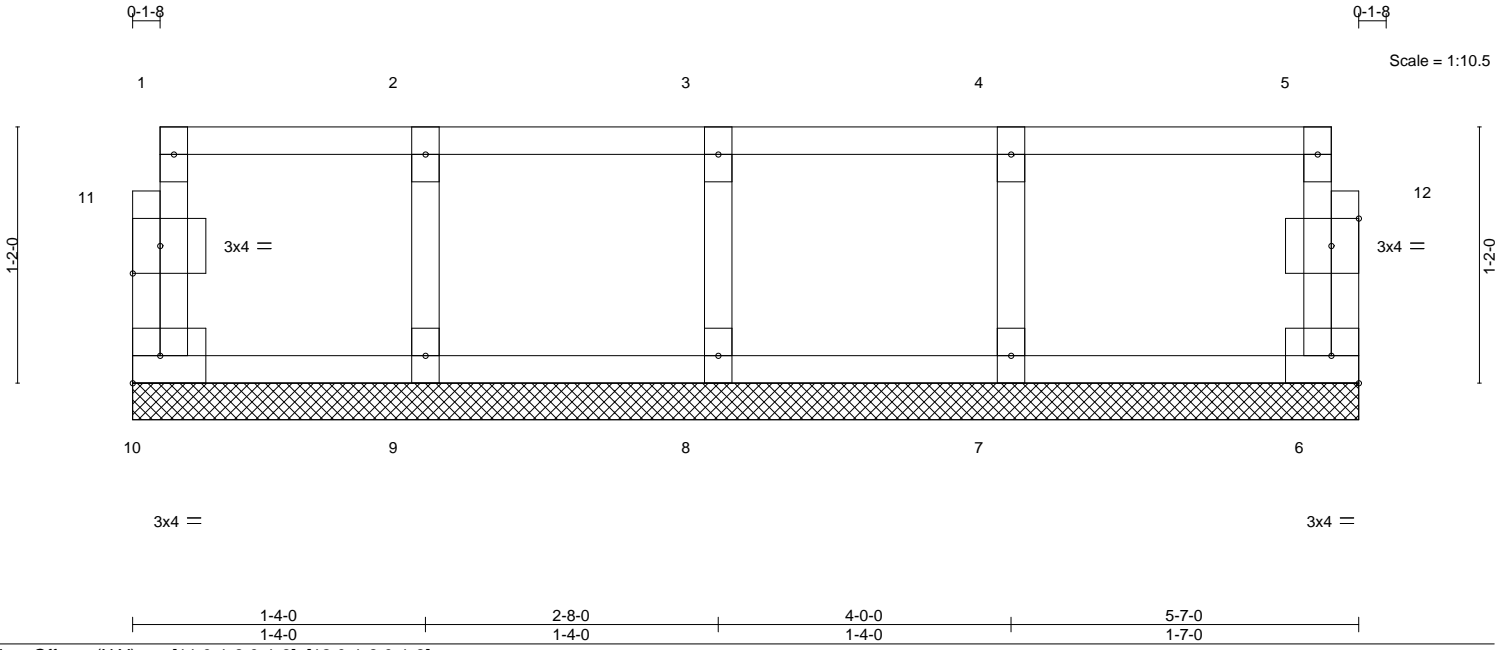


October 11, 2024

| | | | | | |
|-------------------|----------------|---------------------|----------|----------|-------------------------------------|
| Job J1024-5483 | Truss FKW07 | Truss Type GABLE | Qty 1 | Ply 1 | Lot 151 Duncan's Creek 168802587 |
|-------------------|----------------|---------------------|----------|----------|-------------------------------------|

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8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:38 2024 Page 1
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| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------|---------------|-----------------|
| TCLL 40.0 | 1-7-3 | TC 0.07 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.01 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.03 | Vert(CT) n/a - n/a 999 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.00 6 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 25 lb | FT = 20%F, 11%E |

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

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

REACTIONS. All bearings 5-7-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 1 degree rotation about its center.
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 10-0-0 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.



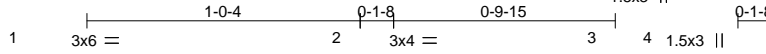
October 11, 2024

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|-------------------|----------------|-------------------------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss FKW08 | Truss Type Floor Supported Gable | Qty 1 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802588 |
|-------------------|----------------|-------------------------------------|----------|----------|--|-----------|

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8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:38 2024 Page 1

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Scale = 1:8.6

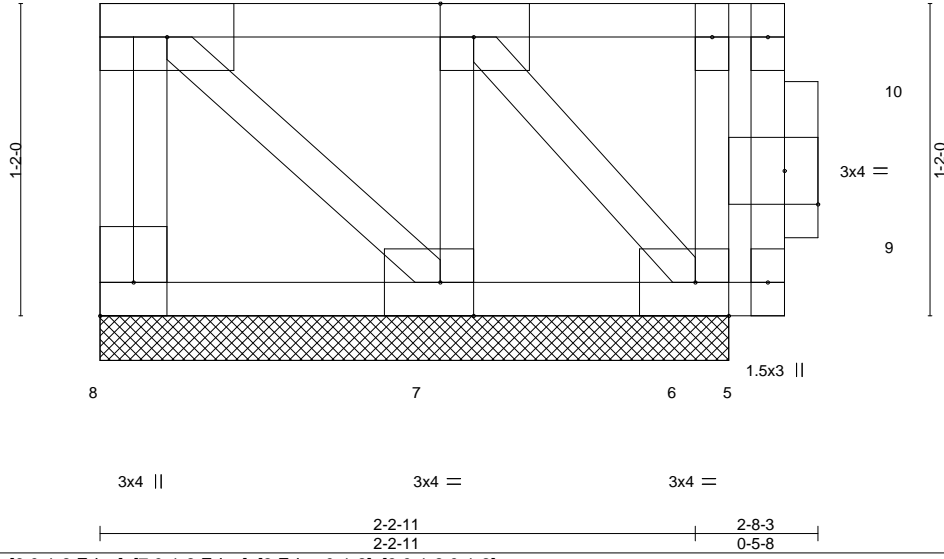


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [6:0-1-8,Edge], [7:0-1-8,Edge], [8:Edge,0-1-8], [9:0-1-8,0-1-8]

| 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 0.07 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.02 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | NO | WB 0.08 | Horz(CT) | 0.00 | 6 | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | |
| | | | | | | | | Weight: 19 lb | FT = 20%F, 11%E |

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=2-4-3, 7=2-4-3, 6=2-4-3
Max Grav 8=66(LC 1), 7=118(LC 1), 6=417(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-370/0

- NOTES-**
- Plates checked for a plus or minus 1 degree rotation about its center.
 - 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.
 - Non Standard bearing condition. Review required.
 - Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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
- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 3=-340
 - Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 3=-340



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| | | | | | | |
|-------------------|----------------|---------------------|----------|----------|--|-----------|
| Job J1024-5483 | Truss FKW09 | Truss Type GABLE | Qty 2 | Ply 1 | Lot 151 Duncan's Creek Job Reference (optional) | 168802589 |
|-------------------|----------------|---------------------|----------|----------|--|-----------|

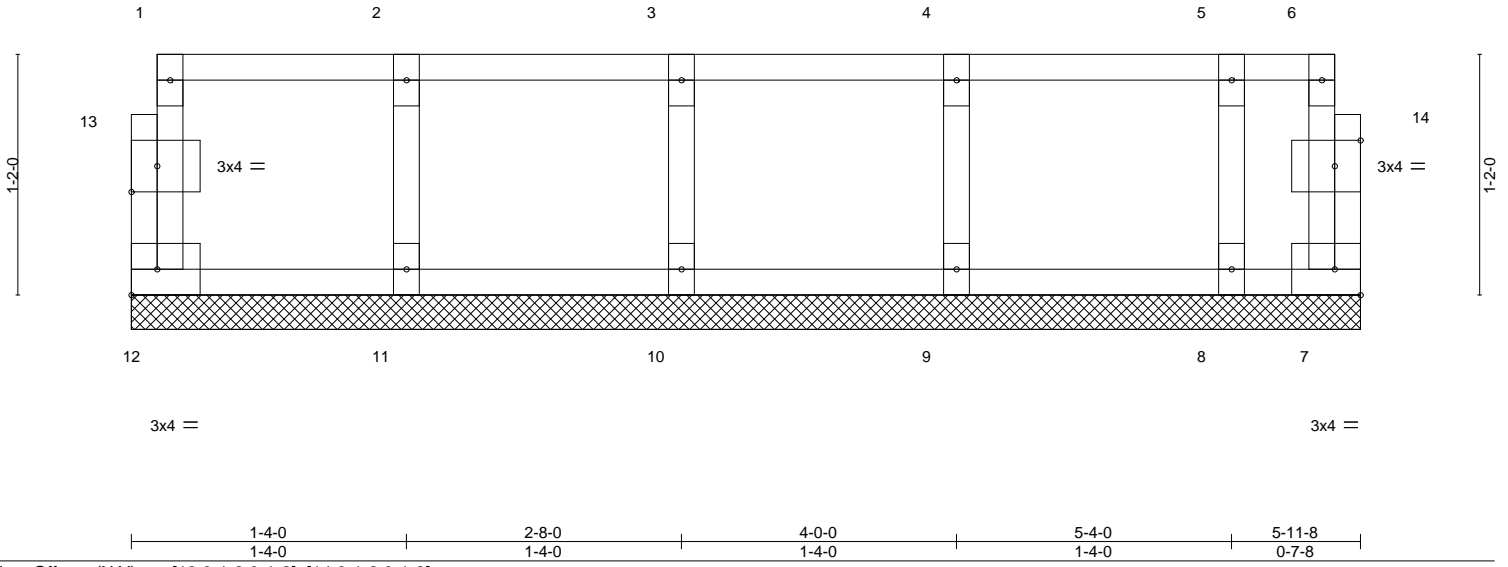
Comtech, Inc. Fayetteville, NC - 28314,

8.630 s Sep 26 2024 MiTek Industries, Inc. Wed Oct 9 14:27:38 2024 Page 1
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Q-1-8

Q-1-8

Scale = 1:11.2



| LOADING (psf) | SPACING- | CSL | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------|---------------|-----------------|
| TCLL 40.0 | 1-7-3 | TC 0.05 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.01 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.03 | Vert(CT) n/a - n/a 999 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.00 7 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 28 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|--|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |
| OTHERS 2x4 SP No.3(flat) | |

REACTIONS. All bearings 5-11-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

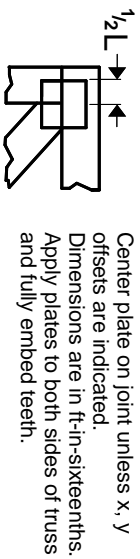
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Plates checked for a plus or minus 1 degree rotation about its center.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

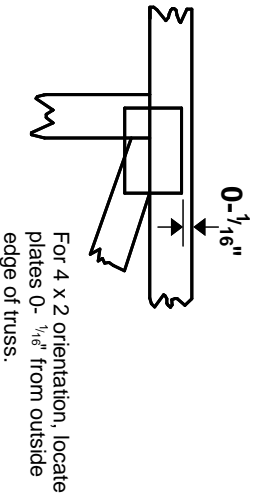


Symbols

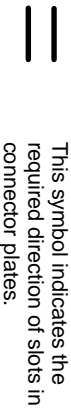
PLATE LOCATION AND ORIENTATION



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.



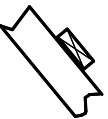
This symbol indicates the required direction of slots in connector plates.

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

PLATE SIZE

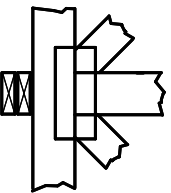
4 X 4
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

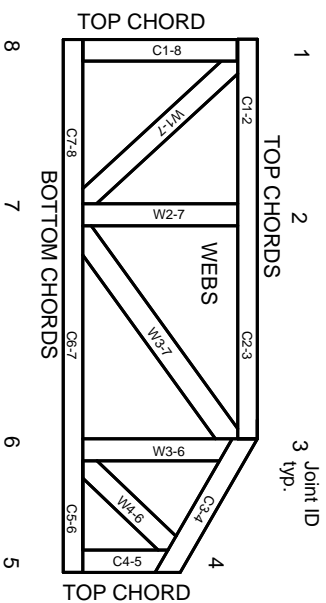


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: 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/TP1 section 6.3. These truss designs rely on Lumber values established by others.

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ENGINEERING BY
TRENGO
A MITek Affiliate

MITek Engineering Reference Sheet: MIL-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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 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/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.