| Job | Truss | Truss Type | Qty | Ply | Derrick Jarmon\Addition |
|---|---|---|---|---|---|
| 28370 | MT1 | MONO PITCH | 10 | 1 | Job Reference (optional) |

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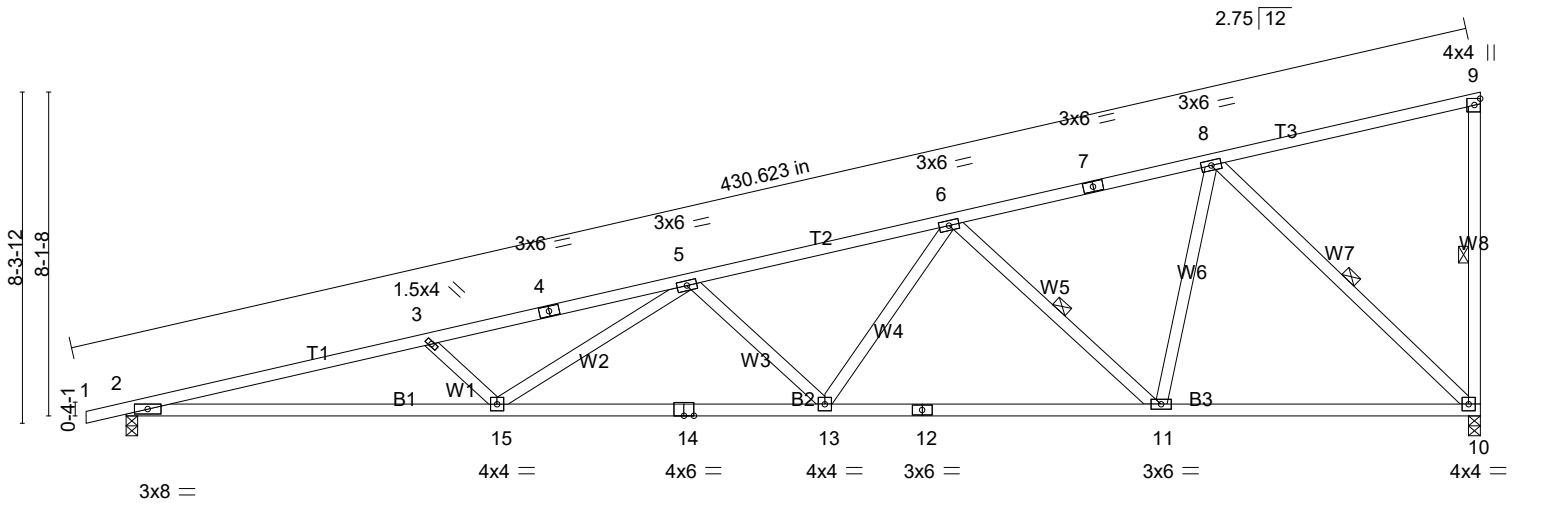
| 1-0-0 | 7-8-0 | 14-2-15 | 20-9-14 | 27-4-13 | 33-8-4 | 33-11-12 |
|---|---|---|---|---|---|---|
| 1-0-0 | 7-8-0 | 6-6-15 | 6-6-15 | 6-6-15 | 6-3-7 | 0-3-8 |

Scale = 1:57.8




| 9-3-12 | 17-6-7 | 25-9-1 | 33-8-4 | 33-11-12 |
|---|---|---|---|---|
| 9-3-12 | 8-2-11 | 8-2-11 | 7-11-3 | 0-3-8 |

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.53 | Vert(LL) | -0.25 | 13-15 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.54 | Vert(CT) | -0.53 | 13-15 | >759 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.72 | Horz(CT) | 0.11 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2018/TPI2014 | | Matrix-AS | | Wind(LL) | 0.19 | 13-15 | >999 | 240 | Weight: 174 lb | FT = 20% |

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

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 9-10, 6-11, 8-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=1414/0-3-8 (min. 0-1-8), 10=1352/0-3-8 (min. 0-1-8)
Max Horz 2=283(LC 7)
Max Uplift2=-134(LC 8), 10=-109(LC 8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4684/373, 3-4=-4349/304, 4-5=-4306/313, 5-6=-2921/243, 6-7=-1474/154, 7-8=-1394/163
BOT CHORD 2-15=-366/4539, 14-15=-261/3431, 13-14=-261/3431, 12-13=-145/2299, 11-12=-145/2299, 10-11=-27/1179
WEBS 3-15=-483/145, 5-15=-3/928, 5-13=-869/155, 6-13=-8/917, 6-11=-1225/162, 8-11=-16/1025, 8-10=-1614/162

**NOTES-**
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=134, 10=109.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | Derrick Jarmon\Addition |
|---|---|---|---|---|---|
| 28370 | MT2 | MONO TRUSS | 3 | 1 | Job Reference (optional) |

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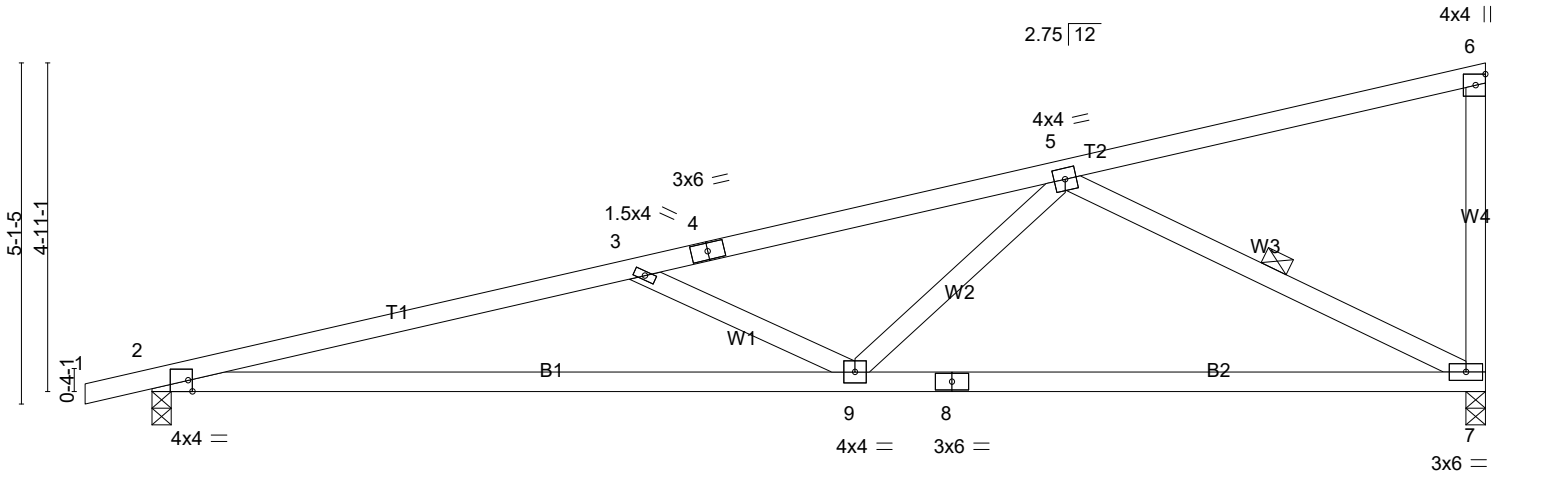
| -1-0-0 | 7-4-12 | 13-8-6 | 19-8-8 | 20-0-0 |
|---|---|---|---|---|
| 1-0-0 | 7-4-12 | 6-3-10 | 6-0-2 | 0-3-8 |

Scale = 1:34.6




| 10-6-9 | 19-8-8 | 20-0-0 |
|---|---|---|
| 10-6-9 | 9-1-15 | 0-3-8 |

Plate Offsets (X,Y)-- [2:0-0-12,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.53 | Vert(LL) | -0.15 | 9-12 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.46 | Vert(CT) | -0.35 | 9-12 | >689 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.37 | Horz(CT) | 0.04 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2018/TPI2014 | | Matrix-AS | | Wind(LL) | 0.08 | 9-12 | >999 | 240 | Weight: 90 lb | FT = 20% |

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

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-7

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=856/0-3-8 (min. 0-1-8), 7=793/0-3-8 (min. 0-1-8)
Max Horz 2=168(LC 7)
Max Uplift2=-93(LC 8), 7=-63(LC 8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2308/216, 3-4=-1715/79, 4-5=-1670/95
BOT CHORD 2-9=-196/2230, 8-9=-78/1107, 7-8=-78/1107
WEBS 3-9=-674/179, 5-9=0/799, 5-7=-1211/155

**NOTES-**
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard