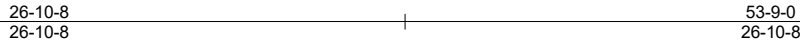


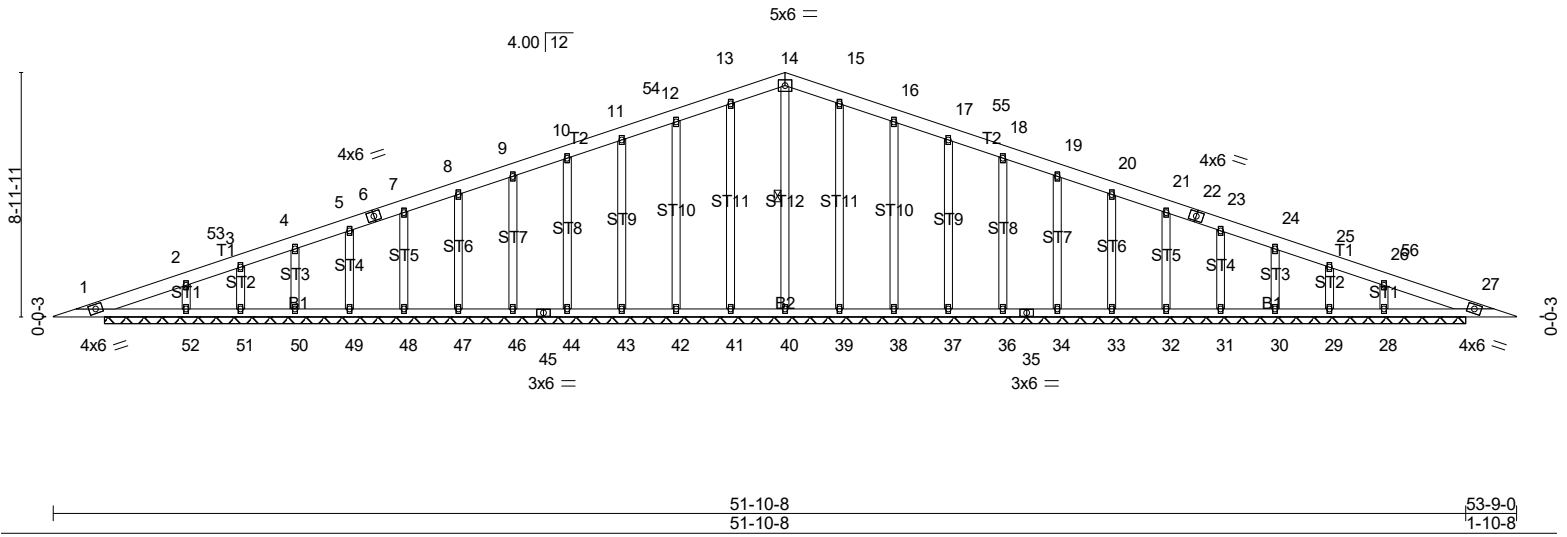
| | | | | | |
|--------|-------|----------------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Jim Moreland |
| Q6868A | A1 | COMMON SUPPORTED GAB | 2 | 1 | Job Reference (optional) |

NWBC, Rathdrum, ID 83858

Run: 8.210 s Jun 13 2018 Print: 8.210 s Jun 13 2018 MiTek Industries, Inc. Mon Jun 25 11:15:21 2018 Page 1
ID:A94av5GmaE65D7ncKSH?xOz2kJd-w0NlAvRAAdd9JisuLMIulok7ZiYJL3DqAUoQEw0z2k94



Scale = 1:84.6



| | | | | | |
|-------------------------------|----------------------|-------------|--------------------------|----------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 80.0 (Roof Snow=80.0) | 2-0-0 | TC 0.11 | in (loc) l/defl L/d | MT20 | 220/195 |
| TCDL 7.0 | Plate Grip DOL 1.15 | BC 0.06 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.51 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.00 27 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 327 lb | FT = 15% |

LUMBER-
 TOP CHORD 2x6 DF 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E
 OTHERS 2x4 DF Stud *Except*
 ST12,ST11: 2x4 DF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 14-40

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

REACTIONS. All bearings 50-0-0.
 (lb) - Max Horz 1=-90(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 38, 37, 36, 34, 33, 32, 31, 30, 29, 28
 Max Grav All reactions 250 lb or less at joint(s) except 1=306(LC 1), 40=348(LC 1), 41=581(LC 18), 42=555(LC 18), 43=558(LC 18), 44=557(LC 18), 46=561(LC 18), 47=473(LC 18), 48=388(LC 1), 49=384(LC 1), 50=413(LC 18), 51=257(LC 1), 52=734(LC 18), 39=581(LC 19), 38=555(LC 19), 37=558(LC 19), 36=557(LC 19), 34=561(LC 19), 33=473(LC 19), 32=388(LC 1), 31=384(LC 1), 30=413(LC 19), 29=257(LC 1), 28=734(LC 19), 27=306(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS
 14-40=-308/0, 13-41=-541/86, 12-42=-515/103, 11-43=-518/70, 10-44=-517/57,
 9-46=-521/57, 8-47=-434/57, 7-48=-348/57, 5-49=-346/57, 4-50=-368/61, 2-52=-647/183,
 15-39=-541/86, 16-38=-515/103, 17-37=-518/70, 18-36=-517/57, 19-34=-521/57,
 20-33=-434/57, 21-32=-348/57, 23-31=-346/57, 24-30=-368/61, 26-28=-647/183

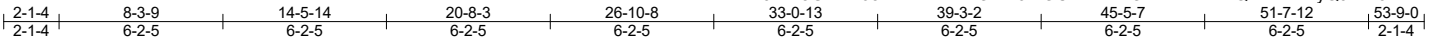
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=54ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Corner(3) 1-1-6 to 6-5-14, Exterior(2) 6-5-14 to 26-10-8, Corner(3) 26-10-8 to 32-3-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-10; Pf=80.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) All plates are 2x4 MT20 unless otherwise indicated.
 - 6) Plates checked for a plus or minus 5 degree rotation about its center.
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 38, 37, 36, 34, 33, 32, 31, 30, 29, 28.
 - 11) Non Standard bearing condition. Review required.
 - 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

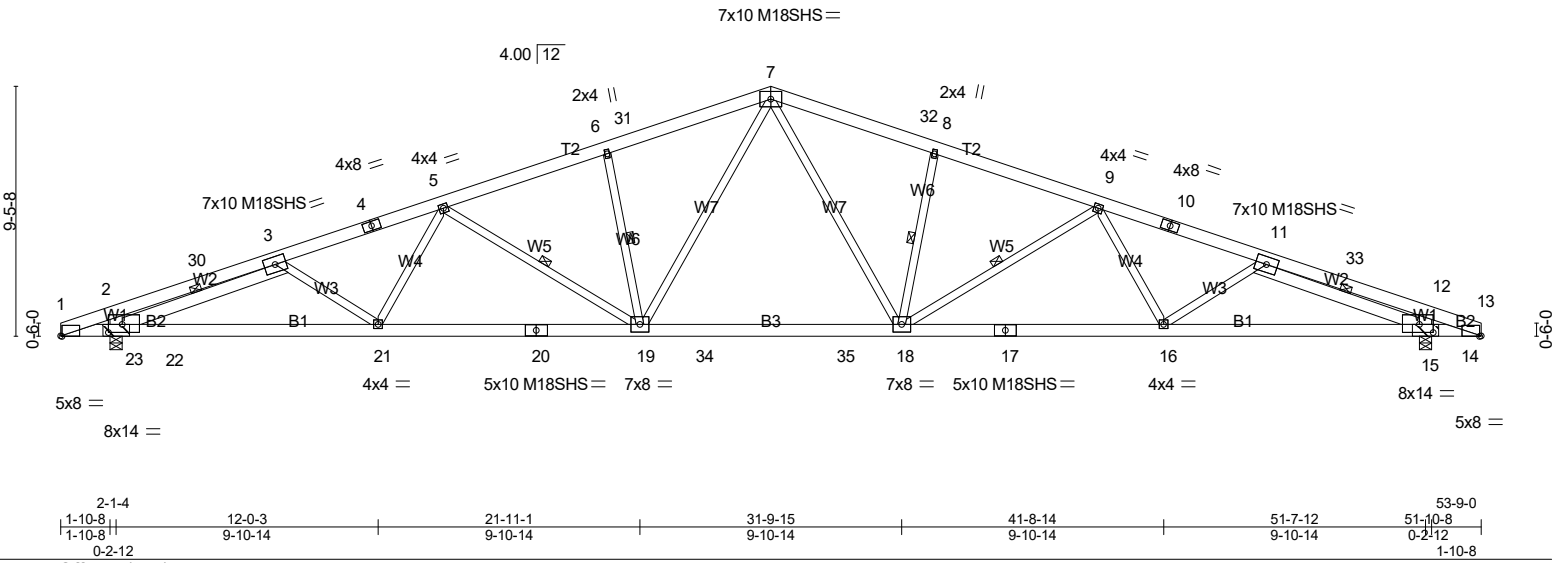
| | | | | | |
|--------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Jim Moreland |
| Q6868A | A2 | COMMON | 27 | 1 | Job Reference (optional) |

NWBC, Rathdrum, ID 83858

Run: 8.210 s Jun 13 2018 Print: 8.210 s Jun 13 2018 MiTek Industries, Inc. Mon Jun 25 11:15:22 2018 Page 1
 ID:A94av5GmaE65D7nckSH?xOz2kJd-OCx7nFSoOxHAK?TXwQPXKxbuyQ9obuJiSAoTSz2k93



Scale = 1:87.2



| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|------------------|----------------------|-----------|-------------------------------|----------------|----------|
| TCLL 80.0 | 2-0-0 | TC 0.66 | in (loc) l/defl L/d | MT20 | 220/195 |
| (Roof Snow=80.0) | Plate Grip DOL 1.15 | BC 0.98 | Vert(LL) -0.86 19 >688 240 | M18SHS | 220/195 |
| TCDL 7.0 | Lumber DOL 1.15 | WB 0.85 | Vert(CT) -1.07 18-19 >555 180 | | |
| BCLL 0.0 * | Rep Stress Incr YES | Matrix-MS | Horz(CT) 0.39 15 n/a n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | | Weight: 363 lb | FT = 15% |

| LUMBER- | BRACING- |
|----------------------------------------------|---------------------------------------------------------------------------|
| TOP CHORD 2x6 DF 1800F 1.6E | TOP CHORD Structural wood sheathing directly applied or 2-2-3 oc purlins. |
| BOT CHORD 2x6 DF 1800F 1.6E | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: |
| WEBS 2x4 DF No.2 *Except* | 2-2-0 oc bracing: 21-22,15-16. |
| W4,W3: 2x4 DF Stud, W2,W1: 2x6 DF 1800F 1.6E | WEBS 1 Row at midpt 8-18, 9-18, 11-15, 6-19, 5-19, 3-22 |

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

REACTIONS. (lb/size) 15=5214/(0-5-8 + bearing block) (req. 0-5-9), 22=5214/(0-5-8 + bearing block) (req. 0-5-9)
 Max Horz 22=-94(LC 12)
 Max Uplift 15=-58(LC 14), 22=-92(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1245/0, 2-30=-1715/0, 3-30=-1500/0, 3-4=-9866/238, 4-5=-9672/246, 5-6=-8528/280,
 6-31=-8328/301, 7-31=-8149/315, 7-32=-8149/315, 8-32=-8328/301, 8-9=-8528/280,
 9-10=-9672/246, 10-11=-9866/238, 11-33=-1500/9, 12-33=-1715/0, 12-13=-1245/0
 BOT CHORD 1-23=0/1423, 22-23=0/1423, 21-22=-194/9175, 20-21=-166/9166, 19-20=-166/9166,
 19-34=-67/6606, 34-35=-67/6606, 18-35=-67/6606, 17-18=-166/9166, 16-17=-166/9166,
 15-16=-194/9175, 14-15=0/1423, 13-14=0/1423
 WEBS 7-18=-57/3205, 8-18=-1664/140, 9-18=-1760/65, 9-16=-131/283, 11-16=0/443,
 11-15=-8511/303, 12-15=-1608/253, 7-19=-57/3205, 6-19=-1664/140, 5-19=-1760/65,
 5-21=-131/283, 3-21=0/443, 3-22=-8511/303, 2-22=-1608/253

- NOTES-**
- 2x6 DF 1800F 1.6E bearing block 12" long at jt. 22 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be DF 1800F 1.6E.
 - 2x6 DF 1800F 1.6E bearing block 12" long at jt. 15 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be DF 1800F 1.6E.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCdL=4.2psf; BCdL=6.0psf; h=25ft; B=45ft; L=54ft; eave=6ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 5-4-8, Interior(1) 5-4-8 to 26-10-8, Exterior(2) 26-10-8 to 32-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=80.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - Plates checked for a plus or minus 5 degree rotation about its center.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 22.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard