



TOTAL WEIGHT = 52 lb [M][F]

| LUMBER | | | | DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER | | | | | | | | | | DESIGN CRITERIA | | | | | | |
|------------------------------------|----------|--------|--------|---|--|---|--|-----------|-------|---------|--|-----------------------|--|---|---|--|---|--|--|--|
| N. L. G. A. RULES | | | | BEARINGS | | | | | | | | | | DESIGN CRITERIA | | | | | | |
| CHORDS | SIZE | LUMBER | DESCR. | FACTORED | | MAXIMUM FACTORED | | INPUT | | REQRD | | SPECIFIED LOADS: | | | | | | | | |
| A - D | 2x4 | DRY | No.2 | GROSS REACTION | | GROSS REACTION | | BRG | | BRG | | TOP CH. LL = 34.1 PSF | | | | | | | | |
| D - G | 2x4 | DRY | No.2 | VERT | HORZ | DOWN | HORZ | UPLIFT | IN-SX | IN-SX | DL = 3.0 PSF | | | | | | | | | |
| B - F | 2x4 | DRY | No.2 | JT | | | | | | | BOT CH. LL = 0.0 PSF | | | | | | | | | |
| ALL WEBS 2x4 DRY SEASONED LUMBER. | | | | UNFACTORED REACTIONS | | MAX./MIN. COMPONENT REACTIONS | | | | | | TOTAL LOAD = 44.0 PSF | | | | | | | | |
| | | | | JT | COMBINED | SNOW | LIVE | PERM.LIVE | WIND | DEAD | TOTAL LOAD = 44.0 PSF | | | | | | | | | |
| | | | | B | 773 | 607 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 166 / 0 | SPACING = 24.0 IN. C/C | | | | | | | | | |
| | | | | F | 773 | 607 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 166 / 0 | THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010 | | | | | | | | | |
| PLATES (table is in inches) | | | | BRACING | | | | | | | | | | THIS DESIGN COMPLIES WITH: | | | | | | |
| JT | TYPE | PLATES | W | LEN | Y | X | TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.50 FT. | | | | | | | | | | - PART 9 OF OBC 2012, BCBC 2012, ABC 2014 | | | |
| B | TMBMH1-I | MT20 | 5.0 | 8.0 | 1.75 | MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. | | | | | | | | | | - CSA 086-09 | | | | |
| C | TMW+w | MT20 | 2.0 | 4.0 | ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. | | | | | | | | | | - TPIC 2011 | | | | | |
| D | TTW-p | MT20 | 4.0 | 4.0 | LOADING | | | | | | | | | | (55% OF 54.3 P.S.F. G.S.L. PLUS 4.2 P.S.F. RAIN LOAD) EQUALS 34.1 P.S.F. SPECIFIED ROOF LIVE LOAD | | | | | |
| E | TMW+w | MT20 | 2.0 | 4.0 | TOTAL LOAD CASES: (4) | | | | | | | | | | ALLOWABLE DEFL.(LL) = L/360 (0.53") | | | | | |
| F | TMBMH1-I | MT20 | 5.0 | 8.0 | 1.75 | CHORDS | | | | | | | | | | CALCULATED VERT. DEFL.(LL) = L/999 (0.07") | | | | |
| H | BMWWW-I | MT20 | 3.0 | 8.0 | MEMB. FORCE (LBS) | | | | | | | | | | ALLOWABLE DEFL.(TL) = L/360 (0.53") | | | | | |
| | | | | | | | | | | | | | | CALCULATED VERT. DEFL.(TL) = L/999 (0.12") | | | | | | |
| | | | | | | | | | | | | | | CSI: TC=0.28/1.00 (E-L:1), BC=0.37/1.00 (H-K:1), WB=0.13/1.00 (D-H:1), SSI=0.22/1.00 (F-L:1) | | | | | | |
| | | | | | | | | | | | | | | DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10 | | | | | | |
| | | | | | | | | | | | | | | COMPANION LIVE LOAD FACTOR = 0.50 | | | | | | |
| | | | | | | | | | | | | | | TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. | | | | | | |
| | | | | | | | | | | | | | | NAIL VALUES | | | | | | |
| | | | | | | | | | | | | | | PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) | | | | | | |
| | | | | | | | | | | | | | | MAX MIN MAX MIN MAX MIN | | | | | | |
| | | | | | | | | | | | | | | MT20 618 354 1667 822 2284 1656 | | | | | | |
| | | | | | | | | | | | | | | PLATE PLACEMENT TOL. = 0.250 inches | | | | | | |
| | | | | | | | | | | | | | | PLATE ROTATION TOL. = 5.0 Deg. | | | | | | |
| | | | | | | | | | | | | | | JSI GRIP= 0.82 (F) (INPUT = 0.90) | | | | | | |
| | | | | | | | | | | | | | | JSI METAL= 0.33 (B) (INPUT = 1.00) | | | | | | |

