

| ModTruss 3" Steel Truss Load Table |   |                              |                                      |                              |                                     |                              |                                       |                              |                                     |                              |
|------------------------------------|---|------------------------------|--------------------------------------|------------------------------|-------------------------------------|------------------------------|---------------------------------------|------------------------------|-------------------------------------|------------------------------|
| Span Feet<br>(Meters)              | Uniformly Distributed Load<br>(Total Load Divided by Span - feet) |                              | Center Point Load<br>(Point Load x1) |                              | Third Point Load<br>(Point Load x2) |                              | Quarter Point Load<br>(Point Load x3) |                              | Fifth Point Load<br>(Point Load x4) |                              |
|                                    | Total Load<br>Pounds<br>(kgs)                                     | Deflection<br>Inches<br>(mm) | Point Load<br>Pounds<br>(kgs)        | Deflection<br>Inches<br>(mm) | Point Load<br>Pounds<br>(kgs)       | Deflection<br>Inches<br>(mm) | Point Load<br>Pounds<br>(kgs)         | Deflection<br>Inches<br>(mm) | Point Load<br>Pounds<br>(kgs)       | Deflection<br>Inches<br>(mm) |
| 5 (1.52)                           | 2,599<br>(1,178.89)   | 0.17<br>(4.32)               | 1,287<br>(583.77)                    | 0.13<br>(3.30)               | 972<br>(440.89)                     | 0.17<br>(4.32)               | 648<br>(293.93)                       | 0.16<br>(4.06)               | 540<br>(244.94)                     | 0.17<br>(4.32)               |
| 10 (3.04)                          | 1,262<br>(572.43)   | 0.68<br>(17.27)              | 631<br>(286.22)                      | 0.55<br>(13.97)              | 467<br>(211.83)                     | 0.68<br>(17.27)              | 311<br>(141.07)                       | 0.65<br>(16.51)              | 261<br>(118.39)                     | 0.68<br>(17.27)              |
| 15 (4.57)                          | 800<br>(362.87)   | 1.53<br>(38.86)              | 400<br>(181.44)                      | 1.25<br>(31.75)              | 300<br>(136.18)                     | 1.56<br>(39.62)              | 200<br>(90.72)                        | 1.47<br>(37.34)              | 167<br>(75.75)                      | 1.54<br>(39.12)              |
| 20 (6.09)                          | 556<br>(252.20)   | 2.72<br>(69.09)              | 278<br>(126.10)                      | 2.25<br>(57.15)              | 209<br>(94.80)                      | 2.77<br>(70.36)              | 139<br>(63.05)                        | 2.62<br>(66.55)              | 116<br>(52.62)                      | 2.73<br>(69.34)              |
| 25 (7.62)                          | 400<br>(181.44)   | 4.25<br>(107.95)             | 200<br>(90.72)                       | 3.60<br>(91.44)              | 150<br>(68.04)                      | 4.32<br>(109.73)             | 100<br>(45.36)                        | 4.12<br>(104.65)             | 83<br>(37.65)                       | 4.27<br>(108.46)             |
| 30 (9.14)                          | 287<br>(130.18)   | 6.12<br>(155.45)             | 144<br>(65.32)                       | 5.31<br>(134.87)             | 108<br>(48.99)                      | 6.21<br>(157.73)             | 72<br>(32.66)                         | 5.95<br>(151.13)             | 60<br>(27.22)                       | 6.15<br>(156.21)             |

Information extracted from the structural report by Clark Reeder Engineering | 10091 Mosteller Lane | West Chester OH 45069 | Ph 513-851-1223 | Date: 11/7/2017 | CRE Project No. 17.419.07 | Drawn by: JMR/DDL | S1.2

| 3" Steel Truss (unbraced length)<br>Column Load Capacity |            |
|--|------------|
| 10'  | 19,620 lbs |
| 20'  | 5,580 lbs  |
| 30'  | 2,070 lbs  |

