



| LUMBER | | REINFORCING MEMBERS | | ALL WEBS EXCEPT | | PLATES (table is in inches) | |
|----------------|---------|---------------------|--------|-----------------|---------|-----------------------------|--------|
| N.L.G.A. RULES | SIZE | LUMBER | DESCR. | SIZE | DESCR. | JT TYPE | PLATES |
| A - E | 2x8 DRY | 2250F 1.9E | SPF | HW1 | 2x6 DRY | 2100F 1.8E | MT20 |
| E - H | 2x8 DRY | 1950F 1.7E | SPF | HW2 | 2x6 DRY | 2100F 1.8E | MT20 |
| H - J | 2x8 DRY | 1950F 1.7E | SPF | J - Y | 2x4 DRY | 2100F 1.8E | MT20 |
| J - L | 2x8 DRY | 1950F 1.7E | SPF | Y - K | 2x4 DRY | 2100F 1.8E | MT20 |
| L - O | 2x8 DRY | 1950F 1.7E | SPF | W - M | 2x4 DRY | 2100F 1.8E | MT20 |
| O - S | 2x8 DRY | 2250F 1.9E | SPF | V - N | 2x4 DRY | 2100F 1.8E | MT20 |
| B - AE | 2x8 DRY | 2250F 1.9E | SPF | AA - J | 2x4 DRY | 2100F 1.8E | MT20 |
| AE - AB | 2x8 DRY | 2250F 1.9E | SPF | I - AA | 2x4 DRY | 2100F 1.8E | MT20 |
| AB - Z | 2x8 DRY | 1950F 1.7E | SPF | G - AC | 2x4 DRY | 2100F 1.8E | MT20 |
| Z - X | 2x8 DRY | 1950F 1.7E | SPF | F - AD | 2x4 DRY | 2100F 1.8E | MT20 |
| X - U | 2x8 DRY | 2250F 1.9E | SPF | | | | |
| U - R | 2x8 DRY | 2250F 1.9E | SPF | | | | |

| CHORDS | | WEBS | |
|--------|---------------|------------------|----------------------|
| MEMB. | FORCE (LBS) | VERT. LOAD (PLF) | MAX. UNBRACED LENGTH |
| FR-TO | FROM | TO | FR-TO |
| A-B | 0/6 | -153.9 -153.9 | 0.01 (2) |
| B-AH | -17273 / 1863 | -153.9 -153.9 | 0.86 (1) |
| AH-C | -16354 / 1830 | -153.9 -153.9 | 0.84 (1) |
| C-D | -21706 / 2511 | -153.9 -153.9 | 0.96 (1) |
| D-E | -21661 / 2599 | -153.9 -153.9 | 0.97 (1) |
| E-F | -21661 / 2599 | -153.9 -153.9 | 0.97 (1) |
| F-G | -19792 / 2381 | -153.9 -153.9 | 1.00 (1) |
| G-H | -17265 / 2084 | -153.9 -153.9 | 0.97 (1) |
| H-I | -17255 / 2084 | -153.9 -153.9 | 0.97 (1) |
| I-J | -14524 / 1770 | -153.9 -153.9 | 0.88 (1) |
| J-K | -14524 / 1770 | -153.9 -153.9 | 0.88 (1) |
| K-L | -17255 / 2085 | -153.9 -153.9 | 0.97 (1) |
| L-M | -17255 / 2085 | -153.9 -153.9 | 0.97 (1) |
| M-N | -19792 / 2382 | -153.9 -153.9 | 1.00 (1) |
| N-O | -21661 / 2599 | -153.9 -153.9 | 0.97 (1) |
| O-P | -21661 / 2599 | -153.9 -153.9 | 0.97 (1) |
| P-Q | -21706 / 2511 | -153.9 -153.9 | 0.96 (1) |
| Q-AJ | -16354 / 1839 | -153.9 -153.9 | 0.84 (1) |
| AJ-R | -17273 / 1873 | -153.9 -153.9 | 0.86 (1) |
| R-S | 0/6 | -153.9 -153.9 | 0.01 (3) |

| MEMB. | | FORCE (LBS) | | VERT. LOAD (PLF) | | MAX. UNBRACED LENGTH | |
|-------|---------------|-------------|-------|------------------|------|----------------------|--|
| B-AG | -1876 / 15689 | -23.3 | -23.3 | 0.73 (1) | 6.25 | | |
| AG-AF | -2634 / 20894 | -23.3 | -23.3 | 0.90 (1) | 6.25 | | |
| AF-AE | -2260 / 19582 | -23.3 | -23.3 | 0.69 (1) | 6.25 | | |
| AE-AD | -2260 / 19582 | -23.3 | -23.3 | 0.69 (1) | 6.25 | | |
| AD-AC | -1881 / 17376 | -23.3 | -23.3 | 0.63 (1) | 6.25 | | |
| AC-AB | -1518 / 15224 | -23.3 | -23.3 | 0.68 (1) | 6.25 | | |
| AB-AA | -1518 / 15224 | -23.3 | -23.3 | 0.68 (1) | 6.25 | | |
| AA-Z | -1054 / 12561 | -23.3 | -23.3 | 0.56 (1) | 6.25 | | |
| Z-Y | -1054 / 12561 | -23.3 | -23.3 | 0.56 (1) | 6.25 | | |
| Y-X | -1319 / 15224 | -23.3 | -23.3 | 0.68 (1) | 6.25 | | |
| X-W | -1319 / 15224 | -23.3 | -23.3 | 0.68 (1) | 6.25 | | |
| W-V | -1683 / 17376 | -23.3 | -23.3 | 0.63 (1) | 6.25 | | |
| V-U | -2062 / 19582 | -23.3 | -23.3 | 0.69 (1) | 6.25 | | |
| U-T | -2062 / 19582 | -23.3 | -23.3 | 0.69 (1) | 6.25 | | |
| T-AI | -2441 / 20894 | -23.3 | -23.3 | 0.90 (1) | 6.25 | | |
| AI-R | -1687 / 15689 | -23.3 | -23.3 | 0.73 (1) | 6.25 | | |

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|--------------------------------|-------------------------|-----------------------|-----------------|---------------------------------|-------------|----------|
| JOB NAME HENK BRAKKE | TRUSS NAME 01 | QUANTITY 80 | PLY 1 | JOB DESC. HENK BRAKKE | TRUSS DESC. | DRWG NO. |
|--------------------------------|-------------------------|-----------------------|-----------------|---------------------------------|-------------|----------|

Mar-Span Truss Inc., Drayton, Ont

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| <p>PLATES (table is in inches)</p> <table border="1"> <thead> <tr> <th>JT TYPE</th> <th>PLATES</th> <th>W</th> <th>LEN</th> <th>Y</th> <th>X</th> </tr> </thead> <tbody> <tr> <td>AE BS-t</td> <td>MT18HS</td> <td>10.0</td> <td>16.0</td> <td></td> <td></td> </tr> <tr> <td>AF BMWWW-t</td> <td>MT20</td> <td>8.0</td> <td>9.0</td> <td></td> <td></td> </tr> </tbody> </table> <p>WB - INDICATES BLOCKING REQUIRED</p> <p>WARNING: THE UNUSUALLY LONG SPAN AND/OR CONFIGURATION OF THIS TRUSS REQUIRES THAT EXTREME CARE BE USED IN ITS APPLICATION. USE PROPER TRANSPORTATION, UNLOADING AND ERECTION METHODS. ASSURE THAT ALL REQUIRED WEB LATERAL BRACING IS COMMUNICATED TO THE BUILDING CONTRACTOR. ENSURE THAT OVERALL BUILDING BRACING IS DESIGNED BY A QUALIFIED ENGINEER, ARCHITECT OR BUILDING DESIGNER.</p> | JT TYPE | PLATES | W | LEN | Y | X | AE BS-t | MT18HS | 10.0 | 16.0 | | | AF BMWWW-t | MT20 | 8.0 | 9.0 | | | <p>WIND LOAD APPLIED IS DERIVED FROM REFERENCE VELOCITY PRESSURE OF (6.1) PSF AT (25-0-0) FT-IN-SX REFERENCE HEIGHT ABOVE GRADE AND USING EXTERNAL PEAK COEFFICIENTS, CpCg, BASED ON THE (MAIN WIND FORCE RESISTING SYSTEM).INTERNAL WIND PRESSURE IS BASED ON DESIGN (CATEGORY 2), BUILDING MAY BE LOCATED ON (OPEN TERRAIN), AND TRUSS IS DESIGNED TO BE LOCATED AT LEAST (0-0) FT-IN-SX AWAY FROM EAVE.TRUSS UPLIFT IS BASED ON TOP AND BOTTOM CHORD DEAD LOADS OF 4.0 PSF AND 7.0 PSF RESPECTIVELY.</p> <p>THIS DESIGN IS BASED ON NFBCC-1995 CODE AND DOES NOT COMPLY WITH PART 2 NBCC - 2020. BUILDING DESIGNER TO REVIEW SPECIFIED DESIGN CODE FOR COMPLIANCE WITH PROJECT REQUIREMENTS.</p> | |
|---|---------|--------|------|-----|---|---|---------|--------|------|------|--|--|------------|------|-----|-----|--|--|--|--|
| JT TYPE | PLATES | W | LEN | Y | X | | | | | | | | | | | | | | | |
| AE BS-t | MT18HS | 10.0 | 16.0 | | | | | | | | | | | | | | | | | |
| AF BMWWW-t | MT20 | 8.0 | 9.0 | | | | | | | | | | | | | | | | | |