



TYPICAL WOOD TRUSS LOADING DIAGRAM
SCALE: NTS

- NOTES:**
- TRUSS ERECTOR SHALL BE FAMILIAR WITH, AND ADHERE TO, THE MOST CURRENT EDITION OF THE BUILDING COMPONENT SAFETY INFORMATION (BCSI) GUIDE
 - FASTEN DIAGONALS @ CONTINUOUS LATERAL BRACING (CLB) TO TRUSSES w/ (2) 16d NAILS (MIN).
 - REFER TO TRUSS SHOP DRAWINGS FOR SPECIFIC LOCATIONS OF BOTTOM CHORD AND WEB PERMANENT CLBs
 - PRIOR TO SHEATHING, ALL PERMANENT WEB AND BOTTOM CHORD CLB & DIAGONALS SHALL BE INSTALLED.
 - SEE BCSI FOR DETAILS OF TOP CHORD TEMPORARY BRACING.
 - WHERE DIAGONAL BRACES CROSS, INTERRUPT (1) BRACE AND ADD A 4 FT. LONG 2x4 SPLICE OVER THE INTERRUPTED BRACE. ATTACH SPLICE TO EACH SIDE w/ (8) 16d NAILS (MIN)

PREFABRICATED WOOD TRUSS NOTES:

- FABRICATE, SUPPLY AND ERECT WOOD TRUSS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED. WORK TO INCLUDE ANCHORAGE, BLOCKING, CURBING, MISCELLANEOUS FRAMING AND BRACING.
- SEE ARCHITECTURAL DRAWINGS FOR ALL TRUSS PROFILES AND DIMENSIONS.
- ROOF TRUSSES SHALL BE DESIGNED FOR:
 - TOP CHORD DEAD LOAD = 15 PSF
 - TOP CHORD SNOW LOAD = 46 PSF* (BALANCED)
 - BOTTOM CHORD DEAD LOAD = 5 PSF
 - BOTTOM CHORD LIVE LOAD = 5 PSF
 - * CONSIDER UNBALANCED SNOW LOAD PER ASCE 7-05
- GABLE END TRUSSES SHALL HAVE VERTICALS AT 16" o.c. CALCULATE WIND LOADS PER CRITERIA INDICATED IN THE DRAWINGS AND NOTES
- ALLOWABLE LIVE LOAD DEFLECTION FOR PREFABRICATED TRUSSES = L/480
- TRUSS MANUFACTURER SHALL SUBMIT DRAWINGS INDICATING THE FOLLOWING:
 - SPAN, SLOPE AND SPACING OF TRUSSES
 - REQUIRED BEARING WIDTH
 - DESIGN LOADS, AS APPLICABLE:
 - TOP CHORD LIVE LOAD
 - TOP CHORD DEAD LOAD
 - BOTTOM CHORD LIVE LOAD
 - BOTTOM CHORD DEAD LOAD
 - CONCENTRATED LOADS AND THEIR POINTS OF APPLICATION
 - WIND AND SEISMIC CRITERIA
 - REACTIVE FORCES
 - LUMBER SIZE, SPECIES AND GRADE FOR EACH MEMBER
 - LOCATION OF ANY REQUIRED CONTINUOUS LATERAL BRACING (CLB)
 - CALCULATED DEFLECTION RATIO AND/OR MAXIMUM DEFLECTION FOR LIVE AND TOTAL LOAD
 - CONNECTION REQUIREMENTS FOR:
 - TRUSS TO TRUSS GIRDERS
 - TRUSS PLY TO PLY
 - FIELD SPLICES
- TRUSSES SHALL BE FABRICATED IN A PROPERLY EQUIPPED MANUFACTURING FACILITY OF A PERMANENT NATURE. TRUSSES SHALL BE MANUFACTURED BY EXPERIENCED WORKMEN, USING PRECISION CUTTING, JIGGING AND PRESSING EQUIPMENT MEETING REQUIREMENTS OF ANSI/TPI 1-1995, SECTION 4. TRUSS MEMBERS SHALL BE ACCURATELY CUT TO LENGTH ANGLE AND TRUE TO LINE TO ASSURE PROPER FITTING JOINTS WITHIN TOLERANCES SET FORTH IN ANSI/TPI 1-1995, SECTION 4, AND PROPER FIT WITH OTHER WORK.
- FOLLOW TRUSS MANUFACTURERS RECOMMENDATIONS & LATEST EDITION OF THE BCSI FOR HANDLING, INSTALLATION AND BRACING OF TRUSSES. ERECTION OF TRUSSES IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CONSULT TRUSS MANUFACTURER OR INDEPENDENT ENGINEER IF FURTHER DESIGN ASSISTANCE IS NEEDED.
- MANUFACTURER SHALL FURNISH DESIGN DRAWINGS BEARING SEAL AND REGISTRATION NUMBER OF A CIVIL OR STRUCTURAL ENGINEER LICENSED IN STATE WHERE TRUSSES ARE TO BE INSTALLED. DRAWINGS SHALL BE APPROVED BY ARCHITECT OR STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION.

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