



FLOOR GABLES(S) (LADDER TRUSSES) ARE CONVENTIONAL WALLS WITH CONNECTOR PLATES PER ANSI/TP1 SECTION 6.6 AND USED IN CONVENTIONAL WALL FRAMING MEETING IRC SECTION R602. REFER TO MITEK/TRENCO DESIGN DRAWING FOR MATERIAL SPECIFICATIONS.

1. THIS DETAIL VALID ONLY FOR VERTICAL DOWNWARD ACTING LOADS. DRAG, SHEAR, OR LATERAL LOADS HAVE NOT BEEN CONSIDERED.
2. FLOOR GABLES MAY BE STUBBED DUE TO CHANGE IN FIELD CONDITIONS; ADD FIELD INSTALLED MEMBER(S) AT STUBBED END.
3. NOTCHING/CUTTING OF CHORDS SHALL BE PERMITTED AS SHOWN. FIELD INSTALLED VERTICALS SHALL BE ADDED WHEN THE NOTCH/CUT IS LARGER THAN 1-3/4" AND NOTCH/CUT END IS GREATER THAN 3" FROM ANOTHER VERTICAL MEMBER.
4. FIELD INSTALLED MEMBERS SHALL BE 2x4 No. 3 OR BETTER, CUT TO FIT TIGHT, AND ATTACHED WITH (3) 3" x 0.131" END NAILS OR (4) 3"x 0.131" TOE NAILS AT EACH END.
5. NOTCHING/CUTTING OF VERTICALS STUDS PERMITTED PER THE LOCAL, STATE OR NATIONAL BUILDING CODE.
6. SEE IRC SECTION R602 WOOD WALL FRAMING FOR ADDITIONAL REQUIREMENTS NOT LISTED HERE.
7. CONCENTRATED LOADS FROM ABOVE (POSTS OR MULTIPLE STUDS BELOW HEADERS) MUST HAVE AN EQUAL NUMBER OF STUDS IN THE LADDER FRAME DIRECTLY BELOW.
8. FOR UNIFORMLY LOADED LADDER FRAMES WITH A WALL ABOVE, THE STUDS IN THE WALL NEED NOT ALIGN WITH THE STUDS OF THE LADDER ASSUMING THE WALL ABOVE HAS A 1 1/2" SOLE PLATE OF EQUAL WIDTH TO THE LADDER FRAME BELOW.



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**WARNING** - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.  
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road  
Edenton, NC 27932