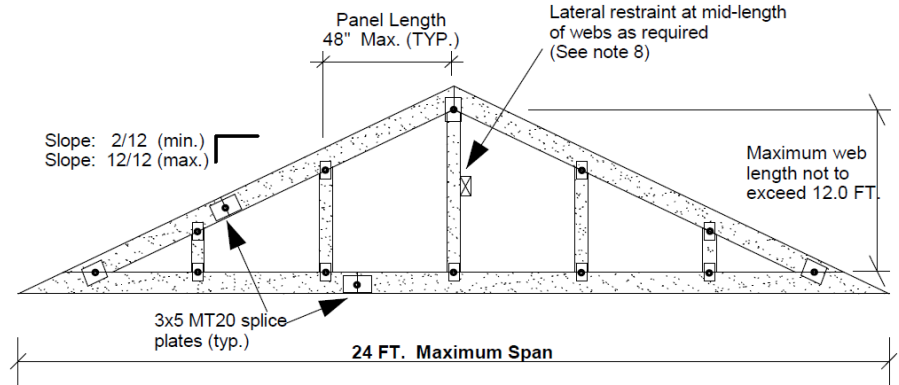
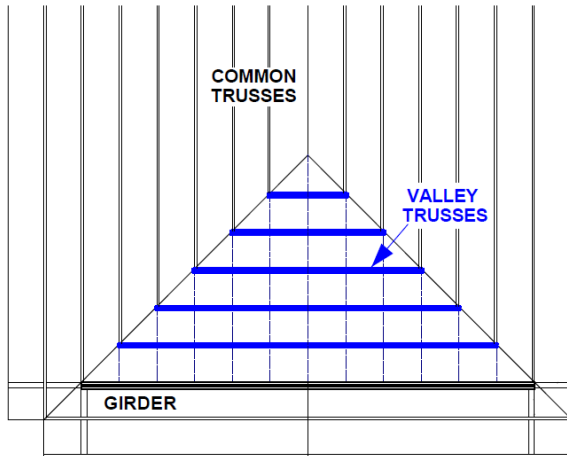


VALLEY SET DETAIL

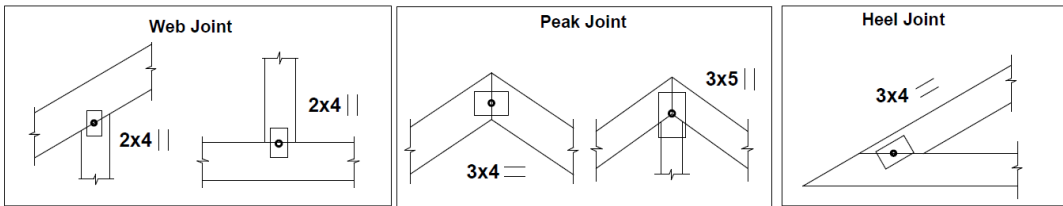
VALLEY SET ROOF FRAMING PLAN



VALLEY TRUSS LUMBER:

Top Chord	2x4
Bottom Chord	2x3 or 2x4
Web	2x3 or 2x4

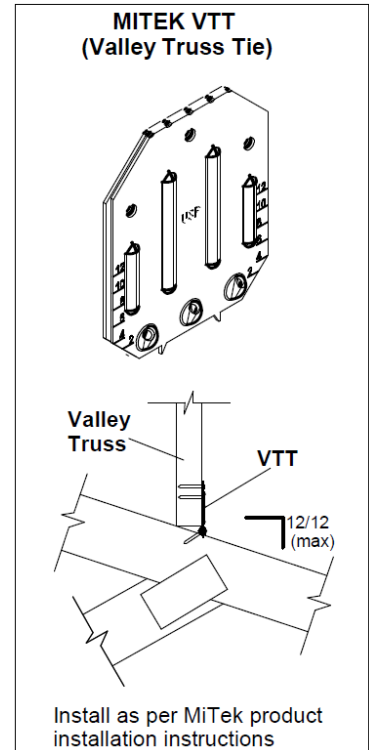
Splices (if required) shall be located at 1/4 point of a panel. Splice joints shall not be located in the first panel adjacent to the heel joint or peak joint. If beveling the bottom chord, splice plates shall be flush with top edge of bottom chord.



NOTES:

- Specified roof loads shall not exceed the maximum limits shown below:

Top chord:	Live = 51.0 PSF
Top Chord:	Dead = 6.0 PSF
Bottom Chord:	Live = 0.0 PSF
Bottom Chord:	Dead = 7.3 PSF
- Valley truss design assumes full support by the truss system underneath. Spacing of all valley trusses as well as the underlying trusses shall not exceed **24 in. c/c**.
- Vertical web spacing in valley trusses not to exceed **48 in. c/c**. Web lengths not to exceed 12 ft.
- All lumber to be DRY No. 2 grade or better, SPF or D-Fir.
- Bottom chord may be beveled to match the slope of the intersecting roof. If beveling, a minimum 2x4 bottom chord is required, with a maximum bevel slope of 4/12 (spliced chord) or 8/12 (non-spliced chord). For bevel slopes exceeding the 2x4 limits, use a 2x6 bottom chord.
- Truss plates are MITEK MT20 pressed into both faces of the truss and centered at each joint.
- Use MiTek VTT Valley Truss Ties to attach each valley truss at the intersection point between valley chord and underlying truss chord. Install clips as per product installation instructions. Alternatively, toe-nail valley truss bottom chord at all intersection points with each underlying truss, using two 0.122"x3.25" nails per connection.
- One continuous lateral brace is required at 1/2 length of all valley webs that exceed 6.0 ft. in length.
- This detail is only valid for residential projects complying with **PART 9 - NBC2020**, that do not require a wind analysis to be incorporated into the design of the trusses.
- This detail is a complementary detail for MiTek product lines and has not been prepared for a specific project. Decision on applicability of this detail to a specific project remains with the building designer of record.



APEGA
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