1) Vertical webs of piggyback and base truss must match in size, grade, and must line up as shown in detail.

2) Attach 2 x 4"-0" scab to each face of truss assembly with 2 rows of 0.131" x 3.5" nails spaced 4" o.c. from each face. (Size and grade to match vertical webs of piggyback and base truss.)

3) This connection is only valid for a maximum concentrated load of 4000 lbs. Review by a qualified engineer is required for loads greater than 4000 lbs.

4) For piggyback trusses carrying girder loads, number of plies of piggyback truss to match base truss.

5) Concentrated load must be applied to both the piggyback and the base truss design.

When no gap between piggyback and base truss exists:
Replace toe nailing of piggyback truss to purlins with nail-on plates as shown, and install purlins to bottom edge of base truss top chord at specified spacing shown on base truss Mitek design drawing.

Vertical web to extend through bottom chord of piggyback

For all wind speeds, attach Mitek 3x6 20 ga Nail-On plates to each face of trusses at 48" o.c. w/ (4) (0.131" x 1.5") nails per member. Stagger nails from opposing faces ensure 0.5" edge distance. (Min. 2 pairs of plates req. regardless of span)

Maximum wind speed = refer to notes D and or E
Max mean roof height = 30 feet
Max truss spacing = 24" o.c.
Category II building
Exposure B or C
ASCE 7-10
Duration of load increase : 1.60

Detail is not applicable for trusses transferring drag loads (shear trusses); additional considerations by building engineer/designer are required.