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 10d (0.131" x 3") 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. @1.15. 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.

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 7-02, ASCE 7-05
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.

This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.