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FAX #:
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DATE: Tuesday, July 31, 2007
TO:
ATTENTION:

Re: Piggyback Studrails®

To whom it may concern:

The tallest ½” diameter stud that our cold heading machine is able to make is 8 ½” tall. Thus, when taller Studrails® are required, we “piggyback” weld our Decon® studs on top of a headed concrete anchor to achieve the required height. This is a standard accepted in studwelding to overcome the limitations of the cold heading machines used to make studs.

When “piggybacking” studs, we use a full-base studweld to attach the Decon® stud to the top of the headed concrete anchor. This is the same weld that we use to attach the Decon® stud to the base rail. The full-base studweld in each case is strong enough to cause the stud stem to yield in a tensile test. Thus, the weld is stronger than the materials it is holding together.

The “piggyback” Studrail® works the same as the “normal” Studrail® because both are anchored on the top by the oversized stud head and on the bottom by the base rail. This anchorage allows the full development of the stem of the studs. The use of the “piggyback” studs does not diminish the anchorage of the Studrail®.

This type of “piggyback” studwelding has been used on hundreds of projects on the west coast and across North America.

If you have any questions, please do not hesitate to contact me.

Yours Sincerely,
DECON®

Neil Hammill, M.Sc., P.Eng.
Vice President, Engineering