January 1, 2019

Re: Substitution of AT-XP for AT adhesive, or SET-XP for SET adhesive, for Anchorages to Grout-Filled Concrete Masonry Walls

To Whom It May Concern:

This letter is to assist in the approval of adhesive substitutions of AT-XP for AT, or SET-XP for SET, for adhesive anchor installations into grout-filled concrete masonry wall construction.

Test results from an independent IAS-accredited laboratory demonstrate that the ultimate bond strengths of AT-XP and SET-XP adhesive anchors installed into the face of grout-filled concrete masonry wall construction meet or exceed those of AT and SET adhesive anchors, respectively. Therefore, for anchor installations into the face of grout-filled concrete masonry wall construction, where AT or SET adhesives have been specified, it is our opinion that it is acceptable to substitute AT-XP for AT adhesive, and SET-XP for SET adhesive.

The allowable loads published for Simpson Strong-Tie adhesives have the minimum required safety factor of 5.0 for masonry design. Installation in grout-filled CMU is limited to dry holes made using a carbide-tipped drill bit conforming to the ANSI B212.15-1994 standard. Substituting adhesives is not permitted for core-drilled, oversized, damp, water-filled or water submerged holes.

It is the designer’s responsibility to approve a substitution request of an adhesive product for a given application and condition.

Please refer to current adhesive product literature at strongtie.com before making a substitution, since installation instructions and application data, such as minimum installation temperature, curing times, chemical resistance, accessory compatibility, etc. may vary between products.

The information in this letter is valid until 12/31/2019 when it will be re-evaluated by Simpson Strong-Tie. Please visit strongtie.com for additional pertinent information. If you have questions or need further assistance regarding this matter, please contact the Simpson Strong-Tie engineering department at 800.999.5099.

Sincerely,

SIMPSON STRONG-TIE COMPANY INC.