May 20, 2020

Re: Substitution of AT-XP for AT, or SET-XP for SET, for Anchorages to Concrete

To Whom It May Concern:

Test results at our IAS-accredited laboratory demonstrate that the ultimate bond strengths of AT-XP and SET-XP in concrete meet or exceed those of AT and SET, respectively. Therefore, it is our opinion that it is acceptable to substitute AT-XP for AT, and SET-XP for SET for concrete anchorage designs that are based on our published traditional allowable loads.\textsuperscript{1,2}

Please refer to current product literature at www.strongtie.com before making a substitution, since installation instructions and application data, such as minimum installation temperature, may vary between products.

It remains the Designer’s responsibility to determine the code compliance of designs which may require calculations in accordance with ACI 318 Appendix D and the product’s ICC-ES (for SET-XP) or IAPMO UES (for AT-XP) code report. Our free downloadable Anchor Designer\textsuperscript{\textregistered} Software for ACI 318 may be helpful in performing these calculations.

The information in this letter is valid until 3/31/21 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.

\textsuperscript{1} Traditional allowable loads are those where the published allowable load is based on applying a 4.0 factor of safety to ultimate loads.

\textsuperscript{2} For applications in dry concrete where holes are drilled with carbide-tipped drill bits to the recommended standard diameter. The following conditions have not been evaluated: Core-drilled, oversized, damp, water-filled and submerged holes.