Notes:
1. Capacities listed in the table/note assume that no load reductions are required for spacing or edge distance of Hilti X-U pins in steel, Kwik-Cons, or screws. Load reductions are enforced for spacing or edge distance of Hilti X-U in concrete.
2. Weld capacities are calculated for 2” long weld assuming 1” from the edges on the outer radius of the bend.
3. Allowable loads have not been increased for wind, seismic, or other factors.
4. The F1 values are calculated based on the moment capacity of the clip cross section.
5. Capacities are based on the use of #12 screws to clip-stud interface.
6. The embedment depth of Kwik-Cons in 3000 psi normal weight concrete is 1-3/4”. The embedment depth of Hilti X-U in 3000 psi normal weight concrete is 1.”
7. The Hilti X-U pins and #12-24 screws are embedded in 3/16” structural steel.
8. Torsional effects are considered on screw group for F3 allowable loads.
9. Use a linear interaction equation for connections involving any combination of F1, F2, and F3.
10. Hilti is a registered trademark of the Hilti Aktiengesellschaft Corporation.
11. Hilti X-U PAFs shown in table may not be substituted without prior approval from ClarkDietrich Engineering Services.

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