

ABSTRACT

A precast concrete-encased concrete-filled steel tube (CECFST) column-to-column dry connection system, products and method thereof are disclosed. Lapped bars coupled to one concrete-encased steel tube longitudinally extend into the interior of another concrete-encase steel tube. A concrete core contiguous through the two column segments may be cast in situ after longitudinal reinforcements of the two column segments are fastened together, e.g., coupling threaded rebars to the column shoes proposed herein.

(FIG. 1C)