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(54) **DECONSTRUCTABLE SUPPORT COLUMN STRUCTURES**

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(57) **ABSTRACT**

Disclosed herein are support column structures which can be used to support bridges, buildings or other structures. In some cases, a support column structure can be deconstructable and include one or more removable elements. In some cases, a support column structure can include shape memory alloy reinforcing bars. In some cases, a removable element of a support column structure can include an engineered cementitious composite. In some cases, a removable element includes one or more sleeves to separate an engineered cementitious composite from one or more shape memory alloy reinforcing bars. Methods include assembling and disassembling a support column structure.

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