ENGINEERING AND CONSTRUCTION BULLETIN

US Army Corps of Engineers

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SUBJECT: TechNote: Cross Laminated Timber (CLT)

APPLICABILITY: For Information

1. **References:**

a. H.R. 2029, Military Construction, Veterans Affairs, and Related Agencies Appropriations Act, 2016

b. Unified Facilities Criteria (UFC) 1-200-02, High Performance Sustainable Building Requirements

2. **Background.** The House committee report accompanying appropriations bill H.R. 2029 (Reference a.) when it was submitted includes the language, "Therefore, the Committee encourages the Department of Defense to incorporate the use of innovative renewable building materials, systems, and design techniques that support the requirements of UFC 1-200-02 [Reference b.] and the goals of achieving greater efficiency and lower environmental impacts at a lower material cost. Furthermore, the Committee encourages the Department of Defense to collaborate with the United States Department of Agriculture and the United States Forest Service to advance its understanding of innovative renewable building materials and systems and jointly develop a plan on expanding their use as appropriate." One such building technology that is new to the U.S. market is Cross Laminated Timber (CLT). USACE and the U.S. Forest Service have been collaborating on enabling this new building technology for Military Construction. CLT is an engineered wood product constructed of individual dimensional lumber pressure-glued in laminations with each lamination layer perpendicular to those adjacent. Wood, especially from smaller diameter trees, is a renewable resource. The result is a sustainable structural panel that is economically competitive with steel, concrete and masonry in many circumstances. See attached TechNote for more information.

3. **Update.** A new Uniform Facilities Guide Specification (UFGS) 06 17 19 Cross Laminated Timber (CLT) will be provided to facilitate specifying CLT for appropriate projects. The TechNote will be updated online as additional information comes available.

4. **Point of Contact.** HQUSACE point of contact for this ECB is Eric Mucklow, CECW-CE, (202) 761-0522 or eric.s.mucklow.civ@mail.mil.

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