

SECTION 061719 – CROSS-LAMINATED TIMBER

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Furnish all labor, materials, transportation, and services to complete the Cross-Laminated Timber (CLT) system.
- B. Related Work:
 - 1. Section 061000 - Rough Carpentry
 - 2. Section 061325 – Timber Construction
 - 3. Section 061800 – Glued-Laminated Construction

1.3 SUBMITTALS

- A. Product data: submit product data for proprietary connectors.
- B. Shop Drawings: submit detailed shop drawings of the CLT panels including panel thickness, dimensions, panel layout, and connection details. Shop drawings may take the form of paper drawings, electronic Computer Aided Drafting (CAD) files or a Building Information Model (BIM).
- C. Samples: submit a 12" x 12" sample of CLT material.

1.4 QUALITY ASSURANCE

- A. CLT panels shall comply with ***ANSI/APA PRG 320 Standard for Performance-Rated Cross-Laminated Timber***.
- B. Product marking: CLT panels shall be identified with a tag or stamp indicating layout, mill name, approved agency, and the symbol of ANSI/APA PRG 320.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Keep CLT panels dry and protected from damage during delivery and storage. Store off of the ground and covered.

PART 2 – PRODUCTS

2.1 CROSS-LAMINATED TIMBER

- A. Moisture content: at the time of manufacturing, moisture content of lumber shall be 12% +/- 3%.
- B. CLT Layup: [E1] [E2] [E3] [E4] [V1] [V2] [V3].
- C. Appearance classification: [architectural] [industrial].

2.2 CONNECTORS

- A. Screws: [FlatLok by FastenMaster] [RSS structural screws by GRK] [SD series screws by Simpson Strong-tie] [SWG ASSY SK by Wurth].
- B. Panel anchors: [ABR105] [ABR9020] [AE116] by Simpson Strong-tie.

2.3 FABRICATION

- A. CLT panels shall be fabricated in strict conformance to approved shop drawings. Fabrication prior to receipt of approved shop drawings shall be at the Contractor's risk.
- B. CLT panels shall be fabricated to join tightly and in proper alignment.

PART 3 – EXECUTION

3.1 ERECTION

- A. Field measure and verifying that the foundations and any structural framing that supports the CLT panels are in the correct location, alignment, and at the proper elevation. The Contractor shall not proceed with work until unsatisfactory conditions have been corrected in an acceptable manner. Commencement of erection implies acceptance of conditions.
- B. The Contractor shall be responsible for all temporary shoring and bracing necessary to maintain the stability of the CLT system during erection.

END OF SECTION 061719