

Part 1—General

1.0—Description:

- A. Work in this section includes, but is not limited to:
Laminated Veneer Lumber (LVL) beams and headers.
- B. Related work specified elsewhere: Rough carpentry.

1.1—Submittals:

- A. Product data:
Submit manufacturer's descriptive literature indicating material composition, thicknesses, dimensions, loading and fabrication details.
- B. Shop drawings:
Submit manufacturer's literature indicating installation details. Include locations and details of bearing, blocking, bridging and cutting for work by others.

1.2—Quality Assurance:

- A. Certification:
All onCENTER LVL has been qualified to ASTM D 5456 by APA-The Engineered Wood Association.

1.3—Delivery, Storage and Handling:

- A. Delivery:
Deliver materials to the job site in manufacturer's original packaging, containers and bundles with manufacturer's identification intact and legible.
- B. Storage and handling:
Store and handle materials to protect against contact with damp and wet surfaces, exposure to weather, breakage and damage. Provide air circulation under covering and around stacks of materials.

1.4—Limitations:

- A. Cutting:
Except for cutting to length, onCENTER LVL beams and headers shall not be cut, drilled or notched, except as noted in manufacturer's literature.
- B. Moisture conditions:
onCENTER LVL is for use in covered, dry-use conditions only (moisture content less than 16%).

Part 2—Products

2.0—Prefabricated wood beams and headers:

- A. Acceptable products: 2.0E, 1.9E, 1.5E
 - 1. onCENTER LVL floor and roof beams.
 - 2. onCENTER LVL window and door headers.
- B. Characteristics:
 - 1. Construction:
1¾" and 3½" thick pressure bonded, lap-jointed wood veneers, with grain of veneers running parallel in the long direction.
 - 2. Beam depths as required for loading, deflection and span:
2.0E–1¾" thickness: 7¼", 9¼", 9½", 11¼", 11⅞",

14", 16", 18" and 24"
1.9E–1¾" thickness: 7¼", 9¼", 9½", 11¼", 11⅞",
14", 16", 18" and 24"
1.5E–1¾" thickness: 7¼", 9¼", 9½", 11¼", 11⅞",
14", 16" and 18"
1.5E–3½" thickness: 4⅝", 5½", 7¼", 9¼", 9½",
11¼", 11⅞", 14", 16" and 18"

- 3. Beam length as required for span and bearing.

2.1—Accessories:

- A. Fasteners:
16d common nails, approved structural screws, or ½" bolts.
- B. Hangers:
Contact BlueLinX or an engineer for acceptable connectors.

Part 3—Execution

3.0—General:

- A. Provide onCENTER LVL beams and headers where indicated on drawings using hangers and accessories specified.
- B. Install onCENTER LVL beams and headers in accordance with manufacturer's recommendations.

3.1—Accessories:

- A. Install accessories where indicated and in accordance with beam and header manufacturer's instruction