PART 1 - GENERAL

1.1 SUMMARY

A. Products Supplied But Not Installed Under This Section:
   1. Glu-lam beams.
   2. Hardware and steel shapes except those welded to structural steel.

B. Related Sections:
   1. Section 05 1223: Steel shapes welded to structural steel.
   2. Section 06 1100: Installation.

1.2 REFERENCES

A. American Institute of Timber Construction / American National Standards Institute:
   1. AITC / ANSI A 190.1-2002, 'Wood Products - Structural Glued Laminated Timber.'

B. American Society For Testing And Materials:

1.3 SUBMITTALS

A. Quality Assurance / Control: Copy of licensing certificate from AITC, APA-EWS, or CITC.

1.4 QUALITY ASSURANCE

A. Qualifications: Fabricator shall be licensed by American or Canadian Institute of Timber Construction, or American Wood Systems.

B. Certifications: Each beam shall bear AITC, APA-EWS, or CITC quality mark.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Wrap members separately with heavy water repellent covers. Protect against damage in transit.

B. Store and handle to insure maintenance of appearance.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Wood
   1. Douglas Fir or Southern Pine.
   2. Stress Grade.

<table>
<thead>
<tr>
<th>$F_b$</th>
<th>2400 psi</th>
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<tbody>
<tr>
<td>$F_c$ perpendicular</td>
<td>600 psi</td>
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a. Glue-laminated beams for cantilevers, continuous spans, and columns shall have an F_b value for compression zone equal to F_b value specified for tension zone (balanced combination).

3. Moisture content: 12 percent maximum.
5. Seal beam faces with penetrating sealer. Treat beam ends with wood preservative.

B. Adhesives: Wet-use type.

C. Hardware And Steel Shapes: Meet requirements of ASTM A 36.

2.2 FABRICATION

A. Fabricate beams in accordance with requirements of ANSI / AITC A 190.1.

B. Camber beams to radius of 2000 ft unless shown otherwise on Drawings.

PART 3 - EXECUTION: Not Used

END OF SECTION