
PART 1 GENERAL**1.1 SUMMARY**

- A. Section Includes:
1. Wood Slat Double Park Benches.
 2. Bike Racks.

1.2 REFERENCES

- A. ASTM — ASTM International:
1. C 881 — Specification for Epoxy-Resin-Base Bonding Systems for Concrete.
 2. F 593 — Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs.
 3. F 594 — Specification for Stainless Steel Nuts.

1.3 DEFINITIONS

- A. Acceptance, Acceptable, or Accepted: Acceptance by the Owner Representative in writing.

1.4 SUBMITTALS

- A. General Requirements: Refer to Division 1.
- B. Product Data:
1. Custom Wood Slat Double Park Benches.
 2. Bike Racks.
- C. Samples:
1. Three applied finish samples for bike racks.
 2. Three 12-inch long samples of wood slats for chairs.
- D. Manufacturer's Current Printed Instructions:
1. Furniture Manufacturer's Cleaning Instructions.
 2. Furniture Manufacturer's Installation Instructions

1.5 QUALITY ASSURANCE:

- A. Regulatory Requirements:
1. Meet requirements of applicable laws, codes, and regulations required by authorities having jurisdiction over such Work.
 2. Provide for inspections and permits required by Federal, State and local authorities in furnishing, transporting, and installing materials.
 3. Provide FSC (Forest Stewardship Council) Certified Hardwood IPE Brazilian Hardwood (PauLope): IPE Brazilian Hardwood, green/air dried acclimated to local temperature and humidity environment prior to fabrication.
- B. Shop Drawings:
1. Submit Shop Drawings of manufactured units and fabricated items for acceptance prior to fabrication.
 2. Show shop and erection details including dimensions, sizes, thicknesses, gauges, finishes, joining, attachments, holes, welds, bolts, screws, elevations, and relationship of work to
 3. adjoining construction, including finished soil grades and finished paving surfaces.
 4. Where welded connectors, concrete, or masonry inserts are required to receive Work, show exact locations required.

5. Where items must fit and coordinate with finished surfaces and/or constructed spaces, take measurements at site and not from Drawings.
6. Indicate welded connections using standard AWS A2.4 welding symbols.
7. Furnish accepted Shop Drawings to the trades responsible for installing the connectors or inserts.

1.6 WARRANTY

- A. General Description: Refer to Division 1.
- B. Additional Items Covered: Warranty shall also cover repair of damage to other materials and workmanship resulting from defects in materials and workmanship.
- C. Exceptions: Contractor shall not be held responsible for failures due to normal wear, abuse or neglect by Others, vandalism and other causes outside the Contractor's control.

1.7 MAINTENANCE

- A. Extra Furniture:
 1. Provide to the owner: 2 extra bike racks
 2. Deliver extra furniture to a location as directed by the Owner's Designated Representative.

PART 2 PRODUCTS

2.1 MANUFACTURED UNITS

- A. Wood Slat Double Park Benches: Custom fabricated 316 stainless steel frame with #7 directional brush finish with IPE slats. . Refer to Drawings for Double Park Benches design, sizes, and quantities.
- B. Bike Racks:
 1. Inverted "U" Racks, model SU 20, 316 stainless steel finish, surface mount, Creative Pipe, Rancho Mirage, CA; (800) 644-8467, or equal.

2.2 MATERIALS

- A. Anchor Bolt Adhesive: ASTM C 881, 2-component, chemical resistant, structural epoxy bonding system designed for use in anchoring threaded rods, bolts, reinforcing bars, and smooth dowels into solid material.
- B. Threaded Rod: ASTM F 593, Type 316, stainless steel.
- C. Nuts for Threaded Rod: ASTM F 594, Type 316, stainless steel.
- D. Anchor Bolts: As supplied by furniture manufacturer.

2.3 LUMBER

- A. Except where otherwise noted, all lumber shall conform to the allowable characteristics permitted within the applicable grading rule. No splits, checks, holes, decay or other irregularities will be permitted.
- B. Lumber shall be as follows:
 1. Lumber shall be IPE Brazilian Hardwood, S4S, air dried Premium Clear All Heart Grade in dimensions shown.

2.4 ACCESSORIES

- A. Hardware: Provide all necessary stainless steel screws, clips and bolts required for proper installation of wood as shown.
 1. Bolts:
 - a. Stainless steel with standard stainless steel washers.
 - b. Size: As shown.

PART 3 EXECUTION**3.1 EXAMINATION**

- A. Verification of Conditions: Examine site and verify that conditions are suitable to receive Work and that no defects or errors are present which would cause defective installation of products or cause latent defects in workmanship and function.
- B. Notification of Unsuitable Conditions: Before proceeding with Work, notify the Owner's Representative in writing of unsuitable conditions.

3.2 PREPARATION

- A. Protection:
 - 1. Use every possible precaution to prevent damage to existing conditions to remain such as structures, utilities, irrigation systems, plant materials and paving on or adjacent to the site of the Work.
 - 2. Provide barricades, fences or other barriers as necessary to protect existing conditions to remain from damage during construction.
 - 3. Do not store materials or equipment, permit burning, or operate or park equipment under the branches of plants to remain.
 - 4. IPE Brazilian Hardwood, is supplied green/air dried and shall be acclimated to local temperature and humidity environment prior to installation. Store out of direct sunlight in neat stacks to allow air to circulate through the wood. Refer below to "Installation of IPE Lumber" for sealing cut pieces.
 - 5. Submit written notification of conditions damaged during construction to the Owner's Designated Representative immediately.

3.3 INSTALLATION

- A. Wood Slat Double Park Benches: Install as indicated on the Shop Drawings. Workmanship shall be first class throughout. All lumber shall be accurately cut and framed to a close fit and shall have even bearing over the entire contact surface. All joints shall be square and tight unless otherwise shown.
- B. Cutting/Sealing IPE Boards: After cross-cutting, all fresh cross-cut surfaces shall be end sealed same day using an acceptable paraffin or water based wax emulsion end sealer applied with a foam brush.
- C. Bike Racks: Install as indicated on the Shop Drawings, per manufacturer's current printed instructions.

3.4 FINISHING OF WOOD

- A. "For Finished Wood Appearance": Apply a premium penetrating oil finish with a high U. V. inhibitor rating, Cabots Australian Hardwood oil or Penofin by Performance Coatings.
 - 1. Submit samples of penetrating oil finish on IPE wood samples for approval, color to be approved by Owner's Representative.

3.5 CLEANING

- A. General: Clean and keep clean until date of Final Completion.
- B. Furniture Cleaning Method: Meet requirements of manufacturer's current printed instructions.

3.6 PROTECTION

- A. Furniture Storage: Protect furniture from damage due to construction Work operations and vandalism until date of Final Completion.

END OF SECTION