Tournesol

Guide Specification
Wally Bench

1.0 GENERAL

1.1 WORK INCLUDED

A. Provision of steel and wood bench

1.2 RELATED WORK

A. Section 033000 Cast-in-Place concrete
B. Section 061000 Rough Carpentry
C. Section 062000 Finish Carpentry
D. Section 129300 Site Furnishings

1.3 SUBMITTALS

A. Product Data: Manufacturer's standard catalog cut sheets.
B. Samples: As required for color selection or material thickness only.
C. Shop Drawings: For custom applications, showing critical sizes and dimensions for installation and integration with other work.
D. Environmental Product Declarations (EPDs): Submit third-party verified and product-specific EPDs for the specified materials, demonstrating compliance with ISO 21930, 14025, and 14044, or equivalent standards.

1.4 DELIVERY, STORAGE AND HANDLING

A. Unwrap & inspect benches after delivery for signs of damage during transit.
B. Protect benches from damage during storage and handling.
C. Store benches indoors if possible. Do not stack.

1.5 PROJECT CONDITIONS

A. Contractor to provide adequate structure to support benches and its users.
B. Protect units from damage by adjacent work.

1.6 WARRANTY

A. Product will be free from defects in material and/or workmanship for a period of 3 years from invoice date.
B. Warranty does not apply to damages from alteration, misuse, or installation damage.
C. Normal use of these products may result in scratches, nicks, and dents. These are considered normal wear and tear, and are not the responsibility of the manufacturer.
D. Tournesol Siteworks will, at its option repair, replace, or refund the purchase price of products that are deemed defective by an authorized Tournesol Siteworks representative.

2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

Wally Bench, manufactured by Tournesol Siteworks LLC. 2930 Faber St., Union City, CA 94587 Tel: (800) 542-2282 Tournesol.com

2.2 FLAT WALLY BENCH – TYPE A

A. Materials

1. Lumber shall be Thermally Modified Oak

Finished dimensions:

Rectangular planks 1" x 3-1/2" with 1/8" radius edges and corners.

B. Construction

1. Lumber – Double stacked front boards with hidden fasteners. Qty (5) seating surface boards with 1/8" spacing. Profiled and/or shaped with minimum surface smoothness of 20 KCPI. No tear-outs or knife-knicks. Pilot holes required for all attachment points.
2. Powder-coated carbon steel cantilever support arm weldments – Laser cut, machined, and fully welded.
3. Powder-coated carbon steel board straps – Laser cut and machined.
4. All hardware to be internal, hidden and not visible from the top of the bench.

C. Performance characteristics

1. Lumber – All corners and edges to be rounded or eased. All attachment points to be internal and not visible from the top of the bench.
2. Powder-coated carbon steel cantilever support arm weldments – All exposed sharp edges and weld splatter removed.
3. Powder-coated carbon steel board straps – All exposed sharp edges removed.

D. Finish: specified finish; factory finished.

1. Carbon steel –

Following fabrication, the bench supports shall be cleaned and treated with an iron phosphate process prior to the coating application. This process shall include a non-chromated alkaline cleaner, and an iron phosphate treatment, followed with an acidic sealer for maximum adhesion. Corrosion-resistant zinc undercoat shall be.

applied, 1-2mils thick. The protective powder coat shall be polyester or polyester TGIC powder, minimum 4 mils thick. The following application parts shall be baked until properly cured.

E. Sizes: Refer to catalog for standard sizes. Custom sizes as per approved shop drawings.

2.3 CASCADE WALLY BENCH – TYPE C

A. Materials

1. Lumber shall be Western Red Cedar, Douglas Fir, Ipe, or Recycled Plastic Lumber

a. Finished dimensions:

Square 3-1/2" x 3-1/2' with 1/4" radius edges and corners.

Rectangular 3-1/2"tall x 1-1/2"wide with 1/4" radius edges and corners

2. Powder-coated carbon steel cantilever support arm weldments – 3/8"thk ASTM A36 hot rolled plate & 2-1/2"x2-1/2"x11guage wall A500 square steel tube.

3. Powder-coated carbon steel board straps – 3/8”thk ASTM A36 hot rolled steel.
4. Hardware – Stainless steel grade 18-8 wood screws

B. Construction

1. Lumber – Qty (2) Square boards. Qty (6) rectangular with 1/2” spacing. Profiled and/or shaped with minimum surface smoothness of 20 KCPI. No tear-outs or knife- knicks. Pilot holes required for all attachment points.
2. Powder-coated carbon steel cantilever support arm weldments – Laser cut, machined, and fully welded.
3. Powder-coated carbon steel board straps – Laser cut and machined.
4. All hardware to be internal, hidden and not visible from top of bench

C. Performance characteristics

1. Lumber – All corners and edges to be rounded or eased. All attachment points to be internal and not visible from top of bench.
2. Powder-coated carbon steel cantilever support arm weldments – All exposed sharp edges and weld splatter removed.
3. Powder-coated carbon steel board straps – All exposed sharp edges removed.

D. Finish: specified finish; factory finished.

1. Carbon steel –

a.: Following fabrication the bench supports shall be cleaned and treated with an iron phosphate process prior to the coating application. This process shall include a non-chromated alkaline cleaner, and an iron phosphate treatment, followed with an acidic sealer for maximum adhesion. Corrosion-resistant zinc undercoat shall be applied, 1-2mils thick. Protective powder coat shall be polyester or polyester TGIC powder, minimum 4 mils thick. Following application parts shall be baked until properly cured.

E. Sizes: Refer to catalog for standard sizes. Custom sizes as per approved shop drawings.

3.0 EXECUTION

A. Planter mounted

1. Use hardware and backer plate provided in planter mount kit provided by manufacturer. Kit is not standard, must be added to bench at time of order.

B. Wall mounted

1. Ensure wall is structurally sound and engineered to hold weight of bench and occupants. Wall at bench mounting points to be flat and coplanar.
2. Source 3/8” diameter non-corrosive anchoring hardware approved for use in the wall material the bench is to be mounted on. Follow anchor manufacturers recommendations for installing anchors.

3.1 PREPARATION

A. Prior to planter fabrication, the contractor shall verify as-built dimensions of area to ensure proper size, fit and quantity required.[1]

3.2 INSTALLATION

A. Dry fit bench onto the mounting surface to ensure fit-up before locating anchors.

B. Ensure product is level and spacing between units is as specific