Tournesol

Guide Specification
Montara Seating

1.0 GENERAL

1.1 WORK INCLUDES
A. Provision of Montara Seating

1.2 RELATED WORK
A. Section 061000 Rough Carpentry
B. Section 062000 Finish Carpentry
C. 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. 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 after delivery for signs of damage during transit.
B. Protect from damage during storage and handling.
C. Store indoors if possible. Do not stack.

1.5 PROJECT CONDITIONS
A. Contractor to provide level area to support benches.
B. Protect units from damage by adjacent work.

1.6 WARRANTY
A. Benches 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. tear, and are not the responsibility of the manufacturer
D. Manufacture will, at its option repair, replace, or refund the purchase price of products that are deemed defective by an authorized representative.

2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS
A. Camino Benches, manufactured by Tournesol Siteworks LLC. 2930 Faber St., Union City, CA 94587 Tel: (800) 542-2282 Tournesol.com

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2.2 MONTARA SEATING

A. Materials

1. Lumber for Tops: Thermally Modified Oak rectangular planks 2” x 6”. CNC routed
2. All Metal Components: 12 ga. (0.105”) 304 Stainless Steel, Laser cut, brake formed.
3. Fasteners: All fasteners are stainless steel
4. GFRC Base: – All co1. Cement TYPE I, II, or II per ASTM C150
   4a. Fibers: Alkali resistant, with a minimum zirconia content of 16 percent, 1 to 2 inches long, specifically produced for use in GFRC.
   4b. Aggregates per: ASTM C144, for sand and aggregates used for structural and aesthetic characteristics
   4c. Admixtures per ASTM C494, for concrete enhancing admixtures covering water reduction, retarding/accelerating set times, performance enhancement.
   4d. Coloring Pigmentsper ASTM C979 Forintegrally colored concrete.
   4e. Water: Potable; free from deleterious material that may affect color stability, setting, or strength of GFRC

B. Fabrication:

1. GFRC: Architectural parts shall be fabricated by spray laminate method using suitable molds to attain the desired surface finish. The finished face mix shall be not less than 1/8" thick and thicker in those areas requiring additional structural strength. Where ribs or stiffeners are to be fastened to liner sections by spray laminating over premolded forms, the stiffeners or ribs shall be located and spray laminated into position before the section to which they are to be attached has passed the state of curing, and the finished joint shall be strong and durable.
   1a. Backing Mix: Proportion backing mix of Portland cement, glass fibers, sand, and admixtures to comply with design requirements. Provide nominal glass-fiber content of not less than 5 percent by weight of total mix.
   1b. Face Mix: Proportion face mix of portland cement, sand and admixtures to comply with design requirements.
   1c. Polymer Curing Admixture: : 6 to 7 percent by weight of polymer curing admixture solids to dry portland cement.
   1d. Coloring Admixture: Not to exceed 10 percent of cement weight.

2. Wood Tops: Fully assembled wood planks to brackets using stainless fasteners.

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. 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. All Metal Components All exposed sharp edges removed.
   3. GFRC: – As confirmed by Finite Element Analysis (FEA), vertical walls will not deflect more than L/300 over the length (L) of Seating at Maximum capacity.

D. Finishes:
   1. Lumber – Apply expterior grade penofin to all surfaces
   2. GFRC – specified finish; factory finished.

E. Sizes:
   1. Standard Sizes Modular units fabricated to size by manufacturer as required. sizes as per shop drawings
   2. Custom – Custom sizes available

3.0 EXECUTION

3.1 PREPARATION

A. Seating Prior to fabrication, contractor shall verify as-built dimensions of installation area to ensure proper size, fit and quantity required.

3.2 INSTALLATION

A. Benches install in accordance with instructions at locations indicated in shop or layout drawings. Source 3/8” diameter non-corrosive anchoring hardware when securing to pad using Stainless steel mounting Clips provided