SECTION 10 91 13 – miscellaneous specialties

1. General
   1. summary
      1. Supply and install the following miscellaneous specialties, including all associated supports, fasteners and accessories required to provide a complete installation:
         1. Wall Mounted Change Table.
         2. Nursing Bench.
         3. Crash Rail.
         4. Rub Strip.
         5. Bollard Shield.
         6. Janitor Room Wall Panels.
         7. Storage Shelving.
      2. Related Requirements:
         1. Section 05 50 00 – Metal Fabrications.
         2. Section 06 10 00 – Rough Carpentry.
   2. SUBMITTALS
      1. Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.
      2. Shop drawings:
         1. Indicate the following: methods of anchoring, thickness and finishes of materials, relationship of work of other sections, including all required cutouts, and all other pertinent data and information.
      3. Samples: When requested submit full size samples of all Products.
      4. Maintenance data: Three copies of instructions covering cleaning, replacement, and other relevant maintenance data.
      5. Extended Warranty: Submit a written warranty in accordance with Section 01 33 00 – Submittal Procedures.
         1. Warranty period of 5 years.
         2. Commencement: Substantial Performance of the Work.
   3. DELIVERY, STORAGE, AND HANDLING
      1. Package or crate, and brace products to prevent distortion in shipment and handling. Label packages and crates and protect finish surfaces by sturdy wrappings.
   4. electrical co-ordination
      1. Electrical Requirements: Coordinate wiring requirements and power characteristics of work with building electrical system. Do wiring in strict conformity with requirements of the Electrical Code and Electrical Sections.
         1. Work by Electrical Sections: Supply and installation of disconnect switch/junction box and power to the disconnect switch/junction box.
         2. Work by This Section: Wiring and connection at and from disconnect switch/junction box to motors, starters, switches, controls, safety devices and other items requiring power.
      2. Employ licensed electrician to wire and interconnect all operational and safety components for the Work. Terminate wiring required for connection to control circuitry and power at NEMA enclosures. Ground all control wiring.
      3. Electrical Components, Devices, and Accessories: CSA certified and labelled.
2. Products
   1. MATERIALS
      1. Provide reinforcing, fastenings, and anchorage required for building in.
      2. Insulate between dissimilar metals, and metal and incompatible materials to prevent electrolysis with bituminous paint or other approved means.
      3. Do not attach manufacturer's name or trademark, plates, imprints, or labels to products unless approved by Consultant.
   2. FABRICATION
      1. Verify site dimensions prior to fabrication. Fabricate work true to dimensions and square. Finished work shall be free from distortion and defects detrimental to appearance and performance.
   3. MISCELLANEOUS SPECIALTIES
      1. Refer to drawings and schedules for items required but not specified herein.

SPEC NOTE: Use the following when installed inside a school.

* 1. Wall Mounted change table
     1. Wall-mounted, electric adjustable change table with the following characteristics:
        1. Table Size: 72” x 24”
        2. Adjustable Height: from 22” to 37”
        3. Weight Capacity: 250 lbs.
        4. Safety: Two (2) body safety belts.
        5. Storage: Three (3) wire baskets located under the tabletop.
        6. Control: Hand control, fastened to front cover with Velcro.
        7. Basis of Design Product: Can-Dan Wall Mount Electrical Height Adjustable Change Table by Can-Dan Rehatec Ltd.

SPEC NOTE: Use the following when installed outside of a school.

* 1. Wall Mounted adult change table
     1. Wall-mounted, electric adjustable adult changing table with the following characteristics:
        1. Table Size: 610mm x 1800mm long, complete with safety rail.
        2. Foldable.
        3. Adjustable Height: from 508mm to 914mm above finished floor.
        4. Weight Capacity: 330 lbs.
        5. Speed:
           1. Upwards: 15 mm/s
           2. Downwards: 20 mm/s
        6. Control: Wired hand control.
        7. Basis of Design Product: Pressalit Care 1000 Adult Changing Table by Max-Ability.
  2. Ceiling lift Track
     1. Concealed ceiling lift track framing within the ceiling space, supporting exposed track, complete with movable third track to allow precise positioning of the lifted person anywhere under the X-Y systems range.
        1. Ceiling Lift Capacity: 440 lbs (200 kg)
        2. Basis of Design Product: X-Y System Ceiling Fastened Track by KWIKtrak, and supplied by BHM Medial Inc.
  3. ceiling lift
     1. 4-Way ceiling lift with the following characteristics:
        1. Functions: Up, Down, Left and Right
        2. Lifting Capacity: Flexible; 440 lbs (200 kg) and 265 lbs (120 kg)
        3. Soft Start / Soft Stop movement.
        4. Emergency Lowering Device: Manual.
        5. Emergency Stop Pull Cord: Accessible to both end user and caregiver.
        6. Anti-Twist Mechanism for Strap.
        7. Length of Strap: Minimum 90.6” (2.3m).
        8. Battery Type: Two (2) Rechargeable 12V / 5Ah.
        9. Basis of Design Products:
           1. Maxi Sky 2 by ArjoHuntleigh.
           2. Voyager Duo Ceiling Lift 4 Way by BHM Medical Inc.
  4. CRASH RAIL
     1. Crash Rail: 'Series SCR-50', surface mounted crash rail with colour coordinated Edge-Style end caps, moulded corners (outside corner assembly as required). No vertical accent.
     2. Vinyl/Acrylic: Extruded material shall be high impact Acrovyn with pebblette grain texture, 0.78" thick. Chemical and stain resistance per ASTM D-1308.
     3. Aluminum Retainers: Extruded aluminum 1.5", 6063-T6 alloy, .062" thick. Minimum strength and durability as per ASTM B221.
     4. Fasteners: To be non-corrosive and compatible with aluminum retainers, as supplied by manufacturer.
     5. Colour: #853, Ocean Gray.
     6. Rail Height: 5".
     7. Mounting Height: Centre line at 2'-8-1/2" AFF.
     8. Supplier: Construction Specialties Ltd., telephone 905-274-3611, extension 265, contact Cindy Noah.
     9. Securely attached wall clip to metal wall stud at a minimum of 16" O.C.
  5. RUB STRIP
     1. Fabricate wall mounted rub strips for areas as indicated on drawings from high-impact vinyl/acrylic extrusion with tapered edges secured to wall with self adhesive factory applied tape strips. Apply firm, even pressure continuously along strip ensuring contact.
        1. Manufacturer: Construction Specialties Ltd.
        2. Model No.: RSE-8.
        3. Strip Height: 8".
        4. Mounting Height:
           1. For Shredder Bin Protection: Centerline of rub strip at 40" AFF.
           2. For Chair Back Protection When Required: Center line of rub strip determined on site.
        5. Colour:
           1. #519 - Buttercream (for P1, Yellow walls).
           2. #853 - Ocean Grey (for P2, Green walls).
        6. Contact: Cindy Noah, 905-274-3611, ext. 265 or 888-895-8955.
        7. Equip rub strip complete with pre-molded outside wall corners, as required based on layout.
        8. Protect rub strip to prevent damage by other trades.
  6. BOLLARD SHIELD
     1. Molded low density polyethylene thermoplastic (LDPE), chemically resistant complete with neoprene adhesive setting tape installation kit.
        1. Supplier: Ideal LLC, 2525 Clark Street, Detroit, Michigan.
        2. Size: Heavy grade 6" diameter, 42" high complete with domed top.
        3. Colour: OSHA Yellow.
        4. Product Code: BPD-YL-6-42-S.
        5. Contact: Dennis Knittel.
           1. Telephone:

Toll Free: 888-308-7290.

Main Office: 313-551-2283 or 313-842-7290.

Facsimile: 313-842-7860.

* + - * 1. E-Mail: dknittel@idealshield.com.
      1. Alternate Contact: Linzie Venegas.
         1. Telephone: 313-551-2282.
         2. E-Mail: linzie@idealshield.com
    1. Ensure steel bollard is clean, dry, and free of all concrete residue.
    2. Firmly apply manufacturers neoprene adhesive tape on clean, oil free surface in accordance with manufacturers written instructions.
    3. Mechanically fasten shield to bollard at the lower rear surface to prevent removal. Provide one (1) Tapcon or Tek type hex head self drilling screw (min. length 1-1/4").
    4. Ensure screws are not over tightened causing distortion of shield's circular shape.
  1. JANITOR ROOM WALL PANELS
     1. 'Exceliner', fiberglass reinforced Interior Grade Wall Liner Panel, as manufactured by Graham Fiberglass Reinforced Panel, a division of Stabilit Canada Inc., complete with all required vertical and horizontal PVC mouldings, including external and internal corners, colour to match. Contact Alex Mak, telephone 905-838-2944, fax 905-838-3386.
        1. Series: 1200 - .090".
        2. Colour: White.
        3. Width: Standard 48".
        4. Length: Standard 96".
        5. Surface: Texture one (1) side.
        6. Fastener: Non-corroding.
        7. Adhesives: Non-flammable adhesive, as approved by manufacturer.
     2. Ensure drywall is clean, flat, dry, and smooth. Install panels according to manufacturer's printed instructions.
     3. Install panel to 48" high above finished floor (all walls unless noted otherwise.
     4. Securely fasten panels to wall with adhesive. Spread adhesive by using trowel application over entire back of panel.
     5. Apply matching cap moulding to top and bottom of panels, and dividing bar between panels.
     6. Allow 1/4" space between bottom of panel and floor, 1/8" between panel to panel.
     7. Carefully apply silicone sealant to all moulding and between joints.
  2. STORAGE SHELVING
     1. Adjustable, boltless, pre-finished steel storage shelving system in manufactures standard colour.
        1. Manufacturer: North American Steel (1-800-735-4153) or approved equal.
        2. Model: Easy-Up 5000.
        3. Upright Frames: Square posts with slots at 1" centres on three (3) sides, half slots at top for flush mounted top shelf.
        4. Frame Connectors: 'Z' shaped connectors with three locking clips at both ends.
        5. Front and Back Beams: 1" high L-shaped shelf supports with two (2) locking clips at both ends.
        6. Shelves: Steel, minimum 500 pounds capacity based on 18" x 48".
        7. Accessories: Foot plates, post caps and top and bottom beam safety clips and dividers.
     2. Two (2) configurations are required:
        1. Type 1: 74" high x 42" long x 24" deep. Top shelf at 74", bottom shelf at 3" above finished floor with four (4) intermediate shelves.
  3. Exterior benches
     1. Composite decking boards, 25mm x 140mm (1” x 5-1/2”) square edge profile, mounted to steel frame, as indicated in Section 05 50 00 – Metal Fabrications.
     2. Length: As indicated on Drawings.
     3. Colour and Texture: As selected by the Consultant from the manufacturer’s standard product line.
     4. Basis of Design Materials: Transcend Composite Decking by Trex.
  4. Engineered wood playground chips
     1. Engineered Wood Fiber: Shredded wood fiber consisting of randomly sized pieces, meeting the following standards:
        1. ASTM F1290-13, Standard Specification for Impact Attenuation for Surfacing Materials within the Use Zone of Playground Equipment.
        2. ASTM F2075-15, Standard Specification for Engineered Wood Fiber for Use as a Playground Safety Surface Under and Around Playground Equipment.
     2. Drainage System:
        1. FibarDrain:
           1. Drainage matrix that channels water away from playground, consisting of needle-punched 100% non-woven geotextile sleeve encasing a monofilament nylon mesh.
           2. Laid out on 6’ centers in the direction of the grade.
        2. FibarFelt:
           1. Needle-punched 100% non-woven geotextile fabric that separates the Engineered Wood Fiber from soil below.
           2. Designed to cover the sub-grade and drainage matrix to ensure proper drainage. Overlap seams a minimum of 3”.
     3. Accessories:
        1. FibarMat: 3’ x 3’ x 1.5” with beveled edges (ADA compliant) on all sides, Placed under each swing seat, tire swing, slide exit, and sliding poles.
     4. Depth: As indicated on the Drawings.
     5. Warranty: 25-year warranty against loss of resiliency of the wood fibers.
     6. Basis of Design Materials: FibarSystems 300 by Fibar Playground Surfaces.
  5. Fibreglass exterior columns
     1. Fibreglass exterior columns, two-piece spilt column fabrication, allowing for seamless connection during installation, and having the following characteristics:
        1. Shape: Round, Tapered.
        2. Finish: Plain, smooth.
        3. Cap Style: Doric Cap (Round).
        4. Base Style: Doric Base (Round).
        5. Dimensions: As indicated on the Drawings.
        6. Basis of Design Materials: Round PermaCast Columns by HB&G Building Products Inc.

1. Execution
   1. EXAMINATION
      1. Examine substrate surfaces to receive the Work of this Section and ensure that work done as part of the Work of other Sections is complete and that there are no conditions which will adversely affect the performance of this Work.
      2. Do not proceed with work until unsatisfactory conditions have been corrected. Commencement of work implies acceptance of surfaces and conditions.
   2. INSTALLATION
      1. Securely fasten work level and plumb in the locations shown on the drawings and as specified herein.
      2. Co‑ordinate installation with the work of Sections providing adjacent construction as required.
      3. Execute electrical work by qualified electricians and in compliance with the Canadian Electrical Code and other requirements of authorities having jurisdiction.
   3. ADJUSTMENT
      1. Upon completion of the work or when directed, remove all traces of protective coatings or paper.
      2. Test operation, adjust, lubricate, and ensure that accessories are in perfect working order.
   4. PROTECTION
      1. Promptly upon completion of work and following preliminary review by the Consultant, cover finished products and protect exposed corners and areas vulnerable to damage by persons or by the movement of materials, tools, or equipment.
      2. Maintain protective coverings in good order until the Consultant instructs that they be removed.

END OF SECTION