

- 1 General
- 1.1 **SUMMARY**
 - .1 Section Includes
 - .1 Labour, Products, equipment and services necessary to complete the Work of this section.
- 1.2 **REFERENCES**
 - .1 Conform to the latest edition of the following:
 - .1 AODA - Accessibility for Ontarians with Disabilities Act
- 1.3 **SUBMITTALS**
 - .1 Shop Drawings
 - .1 Submit in accordance with Section 01 33 00.
 - .2 Show fabrication details including exact sizes and description of anchorage and hardware, trim, the nature of component parts and interface conditions with other Work.
 - .3 Cross-reference components on Shop Drawings to the Contract working Drawings indicating location, number required and name of unit.
 - .2 Locker and bench Drawings: Submit three copies of Drawings of each locker room showing locker and bench arrangement, numbering system (colour scheme) and number of lockers in the room, for Owner's control purposes. Drawings shall be on 215 x 280 mm sheets.
- 1.4 **DELIVERY, STORAGE AND HANDLING**
 - .1 Coordinate deliveries to comply with construction schedule and arrange for strategic off-the-ground, covered storage locations.
 - .2 Properly wrap units with protective covering and put in suitable crates to prevent distortion and damage. Carefully unload, handle, and store to prevent damage.
- 2 Products
- 2.1 **MATERIALS - LOCKERS**
 - .1 Sheet steel: Cold rolled carbon steel, stretcher levelled or temper rolled to stretcher levelled standard of flatness.
 - .2 Standard Lockers
 - .1 Single tier and double tier (Two-in-one) type, 300 x 375 mm x 1800 mm, ventilated, flat top and with metal bas).
 - .2 Acceptable Products: General Storage Systems "Decor", "Deluxe" by Shanahan's Manufacturing Limited, or "Emperor" by Hadrian Manufacturing Inc. or "Traditional Collection" by ASI/Watrous.
 - .3 Component Minimum Requirements
 - .1 Bodies: Minimum 0.61 mm thick (24 gauge) steel sheet with flanged backs and rib stiffeners on sides.

- .2 Frames: Minimum 1.5 mm thick (16 gauge) steel sheet, box channel shape, welded and ground smooth, with two rubber door silencers on lock side of frame at approximately 38 mm from top and bottom of door.
- .3 Doors: Rigid box construction, flush type consisting of minimum 0.91 mm thick (20 gauge) outer face and 0.61 mm thick (24 gauge) inner face. Exterior face shall incorporate a nickel plated lock pocket recess with matching pull and (padlock locking system; padlock by Owner) (cylinder locking system, master keyed) (built-in key controlled combination locking system, master keyed, and with combination change feature). Doors shall have number plates incorporating non-removable numerals, (one number designated for each locker) (one number per pair) (one number and suffix per locker pair.)
- .4 Hang doors on pivot hinges, minimum two per door, or welded continuous piano hinge. Weld a one-piece fixed heavy hasp with plunger to frame for padlock locking system. Ensure plunger is integral with hasp and aligned with friction catch fixed in door. (A single hasp shall lock each pair of doors) (Doors shall be held in closed position with extra-strong steel keepers.)
- .5 Ensure friction catch is complete with hidden fasteners and firmly holds plunger when door is in closed position.
- .6 Accessories: Three single wall hooks.
- .7 Trim, filler panels: Minimum 0.76 mm thick (22 gauge) steel sheet.
- .8 Ventilation: Lockers shall have provision for ventilation at top and bottom of face. Ventilate multi-compartment lockers through face and back.
- .4 Finish: Two coats of high grade alkyd baked enamel in one colour selected by Consultant from manufacturer's standard colour chart or baked urethane powder coating (in three separate colours for a) doors, b) trim/filler panels, frame, tops, including exposed sides, and c) interiors.) (Colours will be selected by Consultant from manufacturer's standard colour chart.) Finish paint shall have 60-65 percent minimum gloss and have successfully passed ASTM B117, four hundred hours of salt spray resistance.
- .5 Ensure finished units are free from sharp metal edges, with welds ground smooth.
- .6 Personalized Security Lockers
 - .1 Standard "Change-O-Matic" by Change-O-Matic of Canada Ltd., Type #12000, with each tier containing ten compartments, each compartment having a camlock locking system (built-in combination lock) (padlock locking system). Supply one key per compartment plus one spare lock and key, per compartment. Number all lockers. Each ten compartment unit shall be 450 x 450 x 1800 mm, sloping top.
 - .2 Finish: Standard baked enamel or baked urethane powder coating, grey. (Special colour(s) as selected by Consultant from manufacturer's custom colours.

2.2 LOCKER ROOM / CHANGE ROOM BENCH

- .1 Bench Top: Hardwood laminate bench seat with a clear lacquer finish and rounded corners and edges.
 - .1 Size: 610 mm wide x 1219 mm
- .2 Bench Supports: Provide trapezoid stainless-steel pedestals for bench support, predrilled for anchoring to floor. Provide additional pedestals to meet AODA requirements.
- .3 Acceptable Manufacturer: Hadrian, ASI, Grainger, Global Industrial or accepted equal.

~~2.2 MATERIALS – WOOD BENCHES~~

~~.1 Bench Seats~~

~~.1 Construct of laminated hard maple or similar hardwood standard with the manufacturer, 33 mm thick, of widths and lengths shown, with rounded exposed corners and edges, and smoothly sanded surfaces. Finish wood tops with two coats of clear polyurethane varnish or other clear finish system standard with the manufacturer.~~

~~.2 As an alternate, locker benches may be high density polyethylene solid plastic. Colour as selected by Consultant.~~

~~.2 Bench Supports~~

~~Provide steel pedestals for locker room benches, of minimum 33 mm O.D. steel pipe or tubing, with top and bottom steel flanges welded thereto and pre-drilled for expansion bolting to floor. Provide stainless steel anchor bolts. Finish pedestals with baked enamel to match lockers.~~

3 Execution

3.1 PREPARATION

.1 Obtain and verify dimensions at the building Site before any locker fabrication takes place, and in ample time to prevent unnecessary delays in the Work.

3.2 LOCKER INSTALLATION

- .1 Fabricate and install metal locker units in accordance with reviewed Shop Drawings.
- .2 Install metal lockers on integral metal bases and to wood grounds where such lockers are alongside wall. Securely bolt lockers together in banks.
- .3 For recessed lockers, install metal trim across the top and down each battery end and at junctions with other materials.
- .4 Install end gables and similar trim material for sloping top lockers; install trim full height at battery end and at junctions with other materials. Where required, provide vertical full height filler panels.
- .5 Upon completion, test doors and adjust for ease of operation.

3.3 BENCH INSTALLATION

.1 Anchor bench pedestals to floor with expansion bolts and secure wood bench tops of pedestals with wood screws applied from the underside. Provide a pedestal at each end of a bench and not over 1800 mm between end pedestals.

3.4 CLEAN-UP

.1 Polish units before final acceptance by Consultant.

End of Section

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