

R.G. KREUSLER PARK RESTROOM BUILDING
AND ENTRY DRIVE MODIFICATIONS - #14204
Specifications

SECTION 10155 TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes toilet compartments and screens as follows:

1. Type: Solid-plastic, polymer resin.
2. Compartment Style: Overhead braced and floor anchored.
3. Screen Style: Wall hung.

1.2 SUBMITTALS

- A. Product Data: For each product indicated.
- B. Shop Drawings: Include plans, elevations, sections, details of installation, and attachments to other Work.
- C. Samples: For each exposed finish and for each color and pattern required.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. Bobrick Washroom Equipment, Inc. – (Sierra Series 2090) with solid color reinforced composite; or approved equal.

2.2 MATERIALS

- A. Pilaster Shoes and Sleeves (Caps): Reinforced composite, not less than 3 inches high.
- B. Continuous Brackets: Manufacturer's standard.

2.3 FABRICATION

- A. Toilet Compartments: Overhead braced and floor anchored.
- B. Urinal Screens: Wall hung.
- C. Metal Units: Internally reinforce metal panels for hardware, accessories, and grab bars.
- D. Solid-Color Reinforced Composite Units: Provide manufacturer's standard heat-sink strips at exposed bottom edges of panels and doors.

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- E. Doors: Unless otherwise indicated, 24-inch- wide in-swinging doors for standard toilet compartments and 36-inch-wide out-swinging doors with a minimum 32-inch- wide clear opening for compartments indicated to be accessible to people with disabilities.
- F. Door Hardware: Stainless steel. Provide units that comply with accessibility requirements of authorities having jurisdiction at compartments indicated to be accessible to people with disabilities.
 - 1. Hinges: Self-closing type, adjustable to hold door open at any angle up to 90 deg rees.
 - 2. Latches and Keepers: Surface-mounted unit designed for emergency access and with combination rubber-faced door strike and keeper.
 - 3. Coat Hook: Combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
 - 4. Door Bumper: Rubber-tipped bumpers at out-swinging doors or entrance screen doors.
 - 5. Door Pull: Provide at out-swinging doors. Provide units on both sides of doors at compartments indicated to be accessible to people with disabilities.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install units rigid, straight, level, and plumb, with not more than ½ inch between pilasters and panels and not more than 1 inch between panels and walls. Provide brackets, pilaster shoes, bracing, and other components required for a complete installation. Use theft-resistant exposed fasteners finished to match hardware. Use sex-type bolts for through-bolt applications.
 - 1. Stirrup Brackets: Align brackets at pilasters with brackets at walls. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
 - 2. Set hinges on in-swinging doors to hold open approximately 30 deg rees from closed position when unlatched. Set hinges on out-swinging doors and swing doors in entrance screens to return to fully closed position.

END OF SECTION 10155

SECTION 10200 – LOUVERS AND VENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes fixed, extruded-aluminum louvers.
- B. See Division 15 Sections for louvers that are a part of mechanical equipment.

1.2 PERFORMANCE REQUIREMENTS

- A. Louver Structural Performance: Capable of withstanding the effects of wind and normal thermal movement without evidencing permanent deformation of blades, frames, and supports; noise or metal fatigue caused by louver blade rattle or flutter; or permanent damage to fasteners and anchors.
 - 1. Ultimate Wind Speed VULT = 170 (Normal Wind Speed VASD = 132, Exposure D – Risk Category II, as per 5th Edition Florida Building Code 2014, Section 1609.
 - 2. Thermal Movements: Movements resulting from 120 deg F change (range) in ambient and 180 deg F change (range) in surface temperatures.

1.3 SUBMITTALS

- A. Product Data: For each product indicated.
- B. Shop Drawings: Include plans, elevations, sections, and details of installation for louver units and accessories not completely described in Product Data.
- C. Samples: For each metal finish and for each color and texture required.
- D. Product test reports.

1.4 PROJECT CONDITIONS

- A. Field Measurements: Verify louver openings by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Ruskin Manufacturing; Tomkins Industries, Inc. Model – EHH-601 or approved equal.

2.2 EXTRUDED-ALUMINUM LOUVER

- A. Construction: Fixed, horizontal louver with extruded-aluminum frame and blades.
 - 1. Aluminum Extrusions: ASTM B 221, alloy 6063-T5 or T-52.
 - 2. Aluminum Sheet: ASTM B 209, alloy 3003 or 5005 with temper as required for forming.
 - 3. Frame and Blade Thickness: 0.125 inch.
- B. Performance Requirements: Drainable-blade type with maximum standard airflow not less than 8500 cfm with not more than 0.20-inch static-pressure loss.

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C. Descriptive Requirements:

1. Blade Profile: Drainable blade
 - a. Blade Angle and Spacing: 30 degrees and 3 inches deep louvers.

2.3 LOUVER SCREENS

- A. Frames: Same kind and form of metal of louvers to which screens are attached.
- B. Bird Screening: Aluminum, 1/2-inch square mesh, 0.063-inch wire.
- C. Location: Interior faces of exterior louvers.

2.4 MISCELLANEOUS MATERIALS

- A. Fasteners: Of same basic metal and alloy as fastened metal or 300 series stainless steel. Do not use metals that are incompatible with joined materials.
- B. Bituminous Paint: Asphalt mastic complying with SSPC-Paint 12 but containing no asbestos fibers, or asphalt emulsion complying with ASTM D 1187.

2.5 LOUVER FABRICATION

- A. Fabricate louvers to fit in openings of sizes indicated, with allowances made for fabrication and installation tolerances, tolerances of adjoining, and perimeter sealant joints.
- B. Join frame members to one another and to fixed louver blades with fillet welds concealed from view, as standard with louver manufacturer.

2.6 FINISHES

- A. Aluminum: Conversion-Coated and Factory-Primed Finish: Air-dried primer of not less than 2.0-mil dry film thickness.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install units, level, plumb at indicated alignment with adjacent work.
- B. Use concealed anchorages where possible. Provide brass or lead washers fitted to screws where required to protect metal surfaces and to make a weathertight connection.
- C. Protect galvanized and nonferrous-metal surfaces from corrosion or galvanic action by applying a heavy coating of bituminous paint on surfaces that will be in contact with concrete, masonry, or dissimilar metals.
- D. Provide perimeter reveals and openings of uniform width for sealants and joint fillers.
- E. Repair damaged finishes so no evidence remains of corrective work. Return items that cannot be refinished in the field to the factory, make required alterations, and refinish entire unit or provide new units.

END OF SECTION 10200

SECTION 10520 - FIRE-PROTECTION SPECIALTIES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes portable fire extinguishers.

1.2 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for fire-protection specialties.
 - 1. Fire Extinguishers: Include rating and classification.

1.3 QUALITY ASSURANCE

- A. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Standard for Portable Fire Extinguishers."
- B. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum: ASTM B 209 sheet and ASTM B 221 extrusions, alloy and temper recommended by aluminum producer and manufacturer for type of use and finish indicated.

2.2 PORTABLE FIRE EXTINGUISHERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. J. L. Industries, Inc.
 - 2. Larsen's Manufacturing Company.
 - 3. Samson Products, Inc.
- C. General: Provide fire extinguishers for each locations indicated.
 - 1. Mounting Brackets: Manufacturer's standard steel, designed to secure extinguisher indicated and with plated or baked-enamel finish.

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- D. Multipurpose Dry-Chemical Type: UL-rated A:60-B:C, 10-lb nominal capacity, in enameled-steel container.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Examine fire extinguishers for proper charging and tagging. Remove and replace damaged, defective, or undercharged units.
- B. Install in locations and at mounting heights indicated or, if not indicated, at heights acceptable to authorities having jurisdiction.
 - 1. Fasten mounting brackets to structure, square and plumb.

END OF SECTION 10520