

SECTION 10 21 00 – TOILET PARTITIONS

PART-1 GENERAL

1.1 DESCRIPTION

- A. Particle board core compartment work includes the following:
 - 1. Floor anchored partitions.
- B. Furnish all labor and materials necessary for the completion of work in this section as shown on the contract drawings and specified herein.
- C. Work in this section shall include but is not limited to:
 - 1. Toilet compartments
 - 2. Hardware for toilet compartments
 - 3. Shop drawings and working drawings
 - 4. Manufacturer's guarantee
- D. Related work specified elsewhere shall include accessories and anchorage/blocking for attachment of compartments.

1.2 PRODUCTS

- A. Submittal of shop drawings and details, for architect's approval.
- B. Colors shall be selected from the manufacturer's standard range of colors.
- C. Color and hardware samples shall be submitted for approval to the architect upon request.

PART-2 PRODUCTS

2.1 MANUFACTURER

- A. Toilet compartments to be supplied by Global Partitions, Eastanollee, GA 30538.

2.2 MATERIALS

- A. Doors and panels shall be 1" thick, constructed of decorative plastic laminate, bonded with a non-toxic adhesive under pressure to a 7/8" particle board core; the laminate to be 0.050" with a matte finish; the core to be 45- pound density, resin impregnated particle board.
- B. Pilasters shall be 1-1/4" thick, constructed of decorative plastic laminate, bonded with a non-toxic adhesive under pressure to a 1-1/8" particle board core; the laminate to be 0.050" with a matte finish; the core to be 45-pound density, resin impregnated particle board.

2.3 CONSTRUCTION

- A. Doors and panels finished shall be 1". All face and edge surfaces to be covered with decorative laminate, face surfaces to overlap all edges so that joints between laminates fall on the edge surface of components only. Doors to be recessed to accept hinges within the door and yield bi-directional operation about an axis within the plane of the door.
 - B. Pilasters shall be floor anchored with a finished thickness of 1-1/4". All face and edge surfaces to be covered with decorative laminate, face surfaces to overlap all edges so that joints between laminates fall on the edge surface of components only. Pilasters shall include a mounting system comprised of 1/4" x 1" steel mounting bar attached to the pilaster in a GLOBAL PLUG LOC arrangement, having 3/8" zinc plated steel bolts secured to 1/8" thick semi cylindrical PLUG LOC imbedded within a contoured aperture transversely piercing the core. Each mounting bar shall be secured to the building structure with 3/8" zinc plated steel studs. A shoe shall conceal each floor mounting having an internal cross section conforming to the pilaster.
 - C. The color and texture of the finish on plastic laminate units is determined by the selected decorative pattern.
- #### **2.4 HARDWARE (NOTE: Refer to the ORDER INFORMATION CONTRACT for specific hardware to be supplied on your order.)**
- A. All exposed door hardware shall be as noted:

1. Chromium plated die cast zamac hinge shall have gravity acting cam and wrap around flanges. Slide latch, strike/keeper and hinges are through bolted onto doors and pilasters using chromium plated vandal resistant through bolts. Keeper provides for emergency access into the stall by lifting up on the bottom of the door.
 2. Optional: Stainless steel die cast hinge shall have gravity acting cam and wrap around flanges. Slide latch, strike/keeper and hinges are through bolted onto doors and pilasters using stainless steel vandal resistant through bolts. Keeper provides for emergency access into the stall by lifting up on the bottom of the door.
 3. Optional: Continuous stainless steel hinge. Slide latch, strike/keeper and hinges are through bolted onto doors and pilasters using stainless steel vandal-resistant through bolts.
- B. Panel and pilaster brackets shall be as noted:
1. Stirrup brackets shall be 2 1/8" long chromium plated die cast zamac. Stirrup brackets shall be 1/8" thick and mounted with chrome plated steel vandal resistant through bolts. The attachment of brackets to the adjacent wall construction shall be accomplished with 2 1/2" chrome plated steel vandal resistant screws and plastic anchors.
 2. Optional: Stirrup brackets shall be 2 1/8" long die cast stainless steel. Stirrup brackets shall be 1/8" thick and mounted with stainless steel vandal resistant through bolts. The attachment of brackets to the adjacent wall construction shall be accomplished with 2 1/2" stainless steel vandal resistant screws and plastic anchors.
 3. Optional: Continuous heavy duty anodized extruded aluminum (6063-T5 alloy) wall brackets are pre- drilled. Wall brackets are mounted with chromium plated steel vandal resistant through bolts. The attachment of brackets to the adjacent wall construction shall be accomplished with 2 1/2" chromium plated steel vandal resistant screws and plastic anchors.
 4. Optional: Continuous heavy duty stainless steel wall brackets are pre-drilled. Wall brackets are mounted with stainless steel, vandal resistant through bolts. The attachment of brackets to the adjacent wall construction shall be accomplished with 2 1/2" stainless steel vandal resistant screws and plastic anchors.
- C. Pilaster shoes shall be stainless steel 5" high with a #4 satin finish. Pilaster shoes are anchored to the pilaster with #10 stainless steel vandal resistant screw.

PART-3 EXECUTION

3.1 PREPARATION

- A. Examine areas to receive toilet compartments for correct height and spacing of anchorage/blocking and plumbing fixtures that may affect installation of compartments. Report any discrepancies to the architect.
- B. Take complete and accurate measurements of toilet compartment locations.
- C. Start of work constitutes acceptance of job.

3.2 INSTALLATION

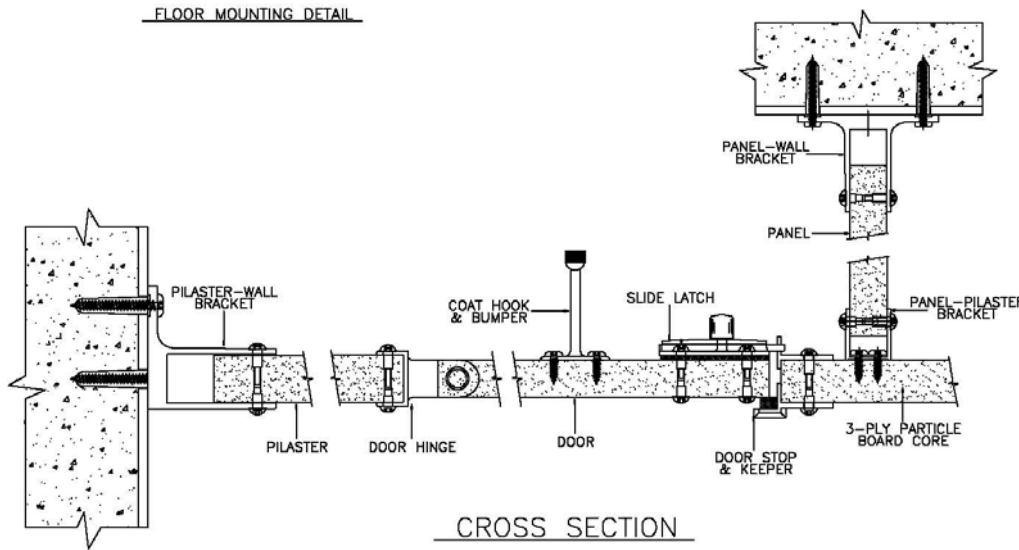
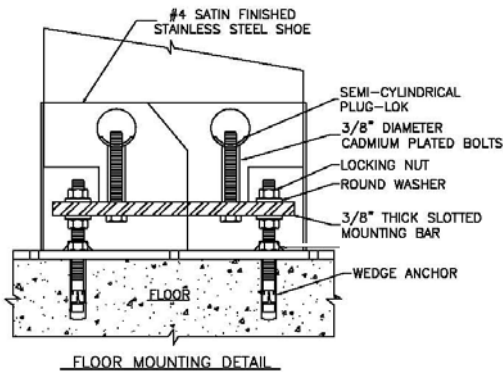
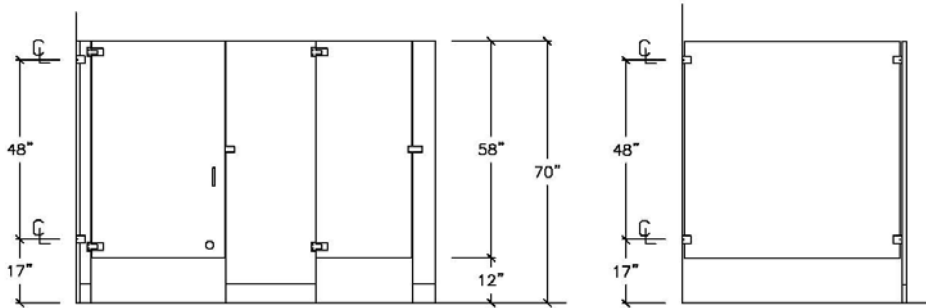
- A. Install compartments in a rigid, straight, plumb and level manner as shown on the shop drawings and manufacturer's installation instructions.
- B. All doors and panels to be mounted at 12" above the finished floor.
- C. Clearance at vertical edges of door shall be uniform top to bottom.
- D. No evidence of cutting, drilling and/or patching shall be visible on the finished

work.

- E. Finished surfaces shall be cleaned after installation and be left free of all imperfections.

3.3 WARRANTY

- A. Global Partitions guarantees its plastic laminated units, properly maintained, against discoloration or delamination for 2 years from the date of receipt by the customer. If materials are found defective during that period for the reasons listed above, the material will be replaced free of charge. No credits or allowances will be issued for any labor or expenses relating to the replacement of components covered under the warranty plan. All such expenses are to be borne by the buyer.



CROSS SECTION

End of Section

SECTION 10 28 13 –TOILET ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Toilet Tissue Dispensers
- B. Grab bars
- C. Shower Curtain Rods
- D. Paper Towel Dispenser
- E. Clothes Hook
- F. Framed Mirrors
- G. Towel Rods
- H. Mop/Broom Holder

1.2 REFERENCES

- A. ADA - Americans with Disabilities Act. Safety Standards for the Handicapped.
- B. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- C. ASTM A366 - Steel, Carbon, Cold-Rolled Sheet, Commercial Quality.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Provide data on accessories describing size, finish, details of function, attachment methods.

1.4 REGULATORY REQUIREMENTS

- A. Conform to Texas Department of Licensing and Regulation, Architectural Barriers code (Texas Accessibility Standards) for access for the handicapped.

1.5 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on product data.

1.6 COORDINATION

- A. Coordinate the work with the placement of internal wall reinforcement to receive anchor attachments.

- B. Coordinate accessory locations with other work to avoid interference and assure proper operation and servicing of accessory units.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide each type of toilet accessory required by one of the following manufacturer:
 - 1. Bobrick Washroom Equipment, Inc.
 - 2. A & J Washroom Accessories
 - 3. American Specialties, Inc.
 - 4. Bradley Inc.
 - 5. Substitutions: Under provisions of Section 01600.

2.2 MATERIALS

- A. Sheet Steel: ASTM A366.
- B. Stainless Steel Sheet: ASTM A167, Type 304.
- C. Fasteners, Screws, and Bolts: Hot dip galvanized tamper-proof.
- D. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.3 FABRICATION

- A. Weld and grind joints of fabricated components, smooth.
- B. Form exposed surfaces from single sheet of stock, free of joints. Form surfaces flat without distortion. Maintain surfaces without scratches or dents.
- C. Shop assembles components and package complete with anchors and fittings.
- D. Provide steel anchor plates, adapters, and anchor components for installation.

2.4 FINISHES

- A. Stainless Steel: No. 4 satin luster finish.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that site conditions are ready to receive work and dimensions are as instructed by the manufacturer.

- B. Verify exact location of accessories for installation.

3.2 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

3.3 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions and Texas Department of Licensing and Regulation, Architectural Barriers.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Install grab bars to wood blocking within gypsum board walls.
- D. Install all other accessories to wood blocking within gypsum board walls.

3.4 ADJUST AND CLEAN

- A. Adjust toilet accessories for proper operation and verify that mechanisms function smoothly.
- B. Clean and polish all exposed surfaces after removing protective coatings.

3.5 SCHEDULE

TA-1 & TA-2	Stainless Steel Grab Bars Provide at each toilet.	Bobrick B-6806.99x36 (Quantity 1) B-6806.99x42 (Quantity 1)
TA-3	Surface-Mounted Mirrors with Frames Provide one mirror above each wall hung lavatory in toilets (24" wide by 36" high) Provide one mirror at salon, refer to floor plan and elevations (42" wide by 30" high)	Basis-of-Design Product: Framerica profile BW74969 four sided frame Finish: Brushed Silver Corners: Mitered.
TA-4	Clothes Hook Provide one behind door at every Resident Bathroom, install at 48" A.F.F.	Bobrick B-7671
TA-5	Toilet Tissue Dispenser Provide at each new toilet as follows: Public Toilets Resident Room Toilets	Bobrick (B-6977) Bobrick (B-6857)
TA-6	Stainless Steel Shower Curtain Rod	Bobrick

	Provide in the following showers:	B-6107x60
TA-7	Stainless Steel Grab Bars at Showers	
	30" x 60" roll-in showers	Bobrick B-6806.99x24 (Quantity 2) B-6806.99x54 (Quantity 1)
	36" x 60" roll-in showers	Bobrick B-6806.99x30 (Quantity 2) B-6806.99x54 (Quantity 1)
TA-8	Surface Mounted Stainless Steel Utility Shelf Provide one at each janitor's closet 54" A.F.F. at mop sink.	Bobrick B-224
TA-9	Paper Towel Dispenser	OFCI - Coordinate with Owner
TA-10	Soap Dispenser	OFCI – Coordinate with Owner
TA-11	Lockable Surface Mounted Stainless Steel Medicine Cabinet	Croydex Trent - 15.75 in x 9.84" x 5.12 in WC846005YW (Quantity 1)

*****End of Section 10 28 13*****

SECTION 10 44 00 – FIRE PROTECTION SPECIALTIES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Fire extinguisher cabinets, rated.
 - 2. Fire extinguishers.
 - 3. Fire extinguisher mounting brackets.

1.3 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. Product data for each type of product specified. For fire extinguisher cabinets include rough-in dimensions, details showing mounting methods, relationships of box and trim to surrounding construction, door hardware, cabinet type and materials, trim style, door construction, panel style, and materials.

1.4 QUALITY ASSURANCE

- A. Single-Source Responsibility: Obtain fire extinguisher cabinets from one source from a single manufacturer.
- B. Fire Rated Cabinets shall be certified and listed by Warnock-Hersey for one and two hour combustible and non-combustible wall systems to meet the requirements of UBC standard 43-6 (ASTM E-814).
- C. Coordinate thickness of wall required at fire extinguisher locations

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Larsens Manufacturing Co.

2. J.L. Industries.
3. Modern Metal Products by Muckle.
4. Walter Kidde, Division of Kidde, Inc.
5. Watrous Inc.

Model numbers listed in the schedule at the end of this section are based on Larsens Manufacturing Co., Architectural Series.

2.2 FIRE EXTINGUISHER CABINETS

- A. General: Provide fire extinguisher cabinets where indicated.
- B. Construction: Manufacturer's standard enameled steel box, double wall construction with fire barrier material installed between walls for fire rated cabinets, with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated. Weld all joints and grind smooth. Miter and weld perimeter door frames. Fire rated cabinets to have factory drilled mounting holes and factory supplied anchoring devices.
- C. Cabinet Type: Suitable for mounting conditions indicated, of the following types:
 1. Semi Recessed: Cabinet box (tub) semi recessed in walls of sufficient depth to suit style of trim indicated. Total recessed depth for box shall not exceed 5" for fire rated cabinets. Cabinet Trim, including handle may not project more than 4" from wall surface.
- D. Trim Style: Fabricate trim in one piece with corners mitered, welded, and ground smooth.
 1. Exposed Trim: One piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (back bend).
 - a. Rolled Edge Semi-Recessed with 2-1/2" backbend depth.
 - b. Trim Metal: Enameled steel.
- E. Door Material and Construction: Manufacturer's standard door construction, of material indicated, coordinated with cabinet types and trim styles selected.
 1. Enameled Steel: Manufacturer's standard finish, hollow steel door construction with tubular stiles and rails.
- F. Door Style: Full flush opaque panel of material indicated.
- G. Identify fire extinguisher in cabinet with "**FIRE EXTINGUISHER**" lettering vertically on door in die cut letters, red in color.
- H. Identify bracket-mounted extinguishers with "**FIRE EXTINGUISHER**" in red letter decals applied to wall surface. Use letter size, style, and location as selected by Architect.

- I. Door Hardware: Provide manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated. Provide concealed or continuous-type hinge permitting door to open 180 degree. Provide recessed handle and "Larsen Loc".

2.3 FINISHES FOR FIRE EXTINGUISHER CABINETS, GENERAL

- A. Comply with NAAMM "Metal Finishes Manual" for recommendations relative to application and designations of finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by application of strippable, temporary protective covering prior to shipment.

2.4 STEEL FIRE EXTINGUISHER CABINET FINISHES

- A. Surface Preparation: Solvent-clean surfaces in compliance with SSTs-SP 1 to remove dirt, oil, grease, and other contaminants that could impair paint bond. Remove mill scale and rust, if present, from uncooked steel in compliance with CPC-SP 5 (White Metal Blast Cleaning) or CPC-SP 8 (Pickling).
- B. Baked Enamel Finish: Immediately after cleaning and pretreatment, apply manufacturer's standard 2-coat baked enamel finish consisting of prime coat and thermosetting topcoat. Comply with paint manufacturer's instructions for application and baking to achieve a minimum dry film thickness of 2.0 mils.
 - 1. Color and Gloss: As selected by Architect from manufacturer's standard choices for color and gloss, paint exterior and interior of cabinet.

2.5 FIRE EXTINGUISHER

- A. General: Provide fire extinguishers for each cabinet and other locations indicated, in colors and finishes selected by Architect from manufacturer's standard, that comply with authorities having jurisdiction.
- B. Multipurpose Dry Chemical Type, (MP10): UL-rated 4-A : 60-B:C, 10-lb nominal capacity, in enameled steel container.
- C. Wet Chemical Type, (WC6L) UL rated for kitchen grease fires.

2.6 MOUNTING BRACKETS

- A. Brackets: Designed to prevent accidentally dislodging extinguisher, of sizes required for type and capacity of extinguisher indicated, in plated finish.
 - 1. Provide standard brackets for each type of extinguisher not located in cabinets.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install items included in this section in locations and at mounting heights indicated, or if not indicated, at heights to comply with applicable regulations of governing authorities. Examine walls and partitions for thickness and framing for cabinets to verify cabinet depth and mounting prior to cabinet installation.
 - 1. Prepare recesses in walls for fire extinguisher cabinets as required by type and size of cabinet and style of trim and to comply with manufacturer's instructions.
 - 2. Securely fasten mounting brackets and fire extinguisher cabinets to structure, square and plumb, to comply with manufacturer's instructions.
 - 3. Where exact location of bracket-mounted fire extinguishers is not indicated, locate as directed by Architect.
 - 4. Install fire rated cabinets in fire rated partitions.

3.2 SCHEDULE

- A. Provide the following:
 - 1. Fire Rated Extinguisher Cabinets (**FREC**): Larsens Architectural Series **FS2409-R4**. Manufacture cabinet with 3-1/2" return trim. Mount bottom of cabinet at 3'-0" above finished floor. Provide and install an **MP10** fire extinguisher in each cabinet.
 - 2. Provide and install a WC 6L Series wet chemical 'K' class fire extinguisher with wall mounted optional bracket at each kitchen.

*****End of Section 10 51 13*****

SECTION 10 51 13 – METAL LOCKERS

Part 1 General

1.01 Section Includes

- A. Locker units with hinged doors and interior hooks,
- B. Metal bases, tops, and filler panels.
- C. Accessories and hardware.

1.02 System Description

- A. Locker Units:
 - Width: 12 inches
 - Depth: 12 inches
 - Height: As noted on plans
 - Configuration: As noted on drawings, with sloped top
 - Mounting: Surface mounted
 - Base: Metal base
 - Base Height: 6 inch
 - Locking: Equipped for padlock hasps, recessed lock/handle area.
 - Ventilation
 - Method: Louvered top and bottom of door.

1.03 Submittals

- A. Submit under provisions of Section 01 33 23.
- B. Shop Drawings: Indicate locker plan layout, numbering plan, fillers, trim, base, and accessories.
- C. Product Data: Provide data on locker types, sizes and accessories.
- D. Samples: Submit two samples 3 X 6 inches in size, of each standard color; applied to specific base metal. Final color selection to be made by architect from samples submitted.
- E. Manufacturer's Installation Instructions: Indicate component installation.

1.04 Delivery, Storage, And Handling

- A. Do not deliver lockers until building is enclosed and ready for locker installation. Protect from damage during delivery, handling, storage, and installation.

1.05 Field Measurements

- A. Verify that field measurements are as indicated on shop drawings.

Part 2 Products

2.01 Manufacturers

- A. Penco, Guardian Lockers.
- B. Republic, Quiet Lockers.
- C. Substitutions: Under Section 01600.

2.02 Materials

- A. Sheet Steel: Mild, cold rolled and leveled unfinished steel; to the following minimum thicknesses:
 - 1. Body and Shelf: 24 gage
 - 2. Door Outer Face: 16 gage
 - 3. Door Frame: 16 gage
 - 4. Hinges: .050 inch thick
 - 5. Closed Base and Trim: 20 gage
 - 6. Filler Panels 18 gage
 - 7. Sloping Tops 18 gage

2.03 Fabrication

- A. Locker Body: Form backs, tops, bottoms, sides and intermediate supports of flanged sheet steel.
- B. Frames: Formed channel shape, welded and ground flush, welded to body with continuous vertical door strike on vertical frame members.
- C. Doors: One-Piece steel sheet, flanged at all edges, constructed to prevent springing when opening or closing.
- D. Hinges: Two for doors under 42 inches high; weld securely to locker body and door.
- E. Locking device supplied by Owner.
- F. Number Plates: Provide rectangular shaped aluminum plates. Form numbers 1/2 inch high of Helvetica font style, in black color. Attach number plates with blind rivets.
- G. Provide ventilation openings as standard for product submitted.
- H. Padlock hasp and stainless steel strike plate with an integral handle.
- I. Hooks: Manufacture's standard ceiling hools and minimum 2 single-prong wall hooks.
- J. Finish edges smooth without burrs.
- K. Legs: Provide nominal 6 inch legs by extending vertical frame members or by attaching gusset-type legs made of not less than 16 gage steel sheet, with provisions for fastening to floor. Provide steel closed base.

- L. Provide factory fabricated filler panels.
 - M. Provide continuous sloping tops with sloped corner fillers.
- 2.04 Finishes
- A. Clean, degrease, and neutralize metal; prime and finish with one coat of baked enamel.
 - B. Paint locker units 1 color throughout.
 - C. Color: To be selected by architect from manufacturers Standard Selection.

Part 3 Execution

- 3.01 Installation
- A. Install in accordance with manufacturer's instructions.
 - B. Install lockers plumb and square.
 - C. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 lbs.
 - D. Bolt adjoining locker units together to provide rigid installation.
 - E. Install bases.
- 3.02 Cleaning
- A. Clean work under provisions of 01 74 23.
 - B. Clean locker interiors and exterior surfaces.

*****End of Section 10 51 13*****

SECTION 10 73 10 – PROTECTIVE COVERS

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Design and installation of extruded aluminum walkway covers and canopies.

1.2 RELATED WORK

- A. Concrete
- B. Sealants

1.3 REFERENCES

- A. The Aluminum Association- Aluminum Design Manual 2010
American Welding Society- AWS D1.2/D1.2M: 2008

1.4 SUBMITTALS

- A. Manufacturers brochures, manuals and literature.
- B. Shop drawings of the complete canopy layout, includes sections and details specific to project and bearing the seal of a registered structural engineer.
- C. Samples of canopy finishes.

1.5 QUALITY ASSURANCE

- A. Canopy shall be designed to comply with local building codes.
- B. Canopy manufacturer shall have a minimum of 10 years' experience in designing and installing the specified system.
- C. The installation of the canopy shall be performed by the manufacturer to assure single source responsibility.

Part 2 – Products

2.1 MANUFACTURER

AVAdek Walkway Covers & Canopies

2.2 MATERIALS

- A. All components shall be 6063; 6061 or 6005 alloy extruded aluminum.
- B. Components shall be sized to comply with live load and wind load requirements of the project and shall not be less than the dimensions shown on the plan.
- C. The thickness of the aluminum deck panels shall be at least .080" thick.

- D. All columns shall have radius corners.
- E. Beams are open at top to drain canopy system internally into columns.
- F. Flashing shall be .040" thick.
- G. All bolts and fasteners shall be stainless steel or finished to match adjacent components and sized by canopy engineer.

2.3 FINISHES

- A. The finish and color selection of each component shall be chosen from the manufacturer's standard color selections and shall include:
 - 1. Polyester Baked Enamel
 - 2. Fluoropolymer
 - 3. Anodized- Clear, Bronze & Champagne

Part 3 – Execution

3.1 FABRICATION

- A. All welding shall be in compliance with AWS 1.2. The certification of each welder shall be available to verify compliance.
- B. Canopy shall be designed to drain through beams to columns with water tight connections.

3.2 INSTALLATION

- A. Install the canopy in strict accordance with the manufacturer's recommendations.
- B. Erect canopy after concrete and masonry work in vicinity is completed and washed down.
- C. Install columns and beams straight and true.
- D. Install raincaps over draining sections of the deck.
- E. The general contractor shall finish the concrete around the columns to assure a uniform quality of workmanship and appearance with the adjacent surrounding concrete work.
- F. Fill downspout columns with grout to the discharge level to prevent standing water.
- G. Install flashing as required.
- H. Care shall be taken to prevent damage or scratching during installation.
- I. Thoroughly clean canopy after installation

End of Section 10 73 10