

SECTION 10161

TOILET PARTITIONS AND URINAL SCREENS

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Solid plastic partitions.

1.02 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Treated wood blocking and nailers required for the permanent and rigid installation of the toilet partitions and urinal screens.
- B. Section 09250 - Gypsum Wallboard: Wallboard partition systems installed prior to installation of toilet partitions and urinal screens.
- C. Section 09300 - Tile: Completion of tile installations prior to installation of toilet partitions and urinal screens.
- D. Section 09900 - Painting: Protection of toilet partitions and urinal screens during painting operations.
- E. Section 10800 - Toilet Room Accessories: Coordination of accessory installation with the fabrication and installation of the toilet partitions.

1.03 REFERENCES

- A. ASTM International (ASTM)
 - 1. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 2. ASTM D 1735 - Standard Practice for Testing Water Resistance of Coatings Using Water Fog Apparatus.
 - 3. ASTM D 2247 - Standard Practice for Testing Water Resistance of Coatings in 100 percent Relative Humidity.
- B. National Fire Protection Association: NFPA 286 - Standard Methods of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth.

1.04 SUBMITTALS

- A. Submit under provisions of Section 01340.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Literature indicating typical panel, pilaster, door, hardware and fastening.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Installation methods.
- C. Shop Drawings
 - 1. Dimensioned plans indicating layout of toilet compartments.
 - 2. Dimensioned elevations indicating heights of doors, pilasters, separation partitions, and other components; indicate locations and sizes of openings in compartment separation partitions for toilet and bath accessories to be installed in partitions; indicate floor and ceiling clearances.
 - 3. Details indicating anchoring components (bolt layouts) and methods for project conditions; indicate components required for installation, but not supplied by toilet compartment manufacturer.

- D. Selection Samples: For each finish product specified, one complete set of color selection guides representing manufacturer's full range of available colors, textures and patterns.
- E. Verification Samples: For each finish product specified, two samples representing actual product, color, texture and pattern.
- F. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations and industry standards.
- B. Store products indoors in manufacturer's or fabricator's original containers and packaging, with labels clearly identifying product name and manufacturer. Protect from damage.
- C. Lay cartons flat, with adequate support to ensure flatness and to prevent damage to pre-finished surfaces.
- D. Do not store where ambient temperature exceeds 120 degrees F (49 degrees C).

1.06 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- B. Do not deliver materials or begin installation until building is enclosed, with complete protection from outside weather, and building temperature maintained at a minimum of 60 degrees F (15.6 degrees C).

1.07 WARRANTY

- A. Manufacturers Standard Warranty: For Solid Plastic HDPE Material: Against breakage, corrosion, and delamination for 15 years.

1.08 COORDINATION

- A. Coordinate Work with placement of support framing and anchors in walls and ceilings.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: ASI Accurate Partitions; 160 Tower Drive, Burr Ridge, IL 60527; Tel: 708-442-6800; Email: info@asi-accuratepartitions.com; Web: <http://www.asi-accuratepartitions.com>.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600. No other manufacturer will be accepted without ASTM performance compliance.

2.02 COMPARTMENTS AND SCREENS

- A. Toilet Compartments: Floor anchored/overhead braced solid plastic panels.
 1. Compartment Depth and Width: As indicated on Drawings.
 2. Height Above Floor: 14 inches (356 mm).
 3. Door/Panel Height: 55 inches (1397 mm).
 4. Pilaster Height: 82 inches (2083 mm).

2.03 SOLID PLASTIC TOILET COMPARTMENTS

- A. Doors, Panels, Screens, and Pilasters: Single sheet solid, homogenous HDPE plastic material formed from waterproof, non-absorbent, high-density polyethylene resins; mark-resistant self-lubricating surface; edges finished smooth.
1. Material: Solid, homogenous HDPE; 1 inch (25 mm) thick.
 2. Edges: 1/4 inch (6 mm) radius machined edges.
 3. Heat Sink: Aluminum heat sink, to dissipate heat from incendiary devices used by vandals, attached to bottom of doors and panels.
- B. Finish
1. Color: Solid color throughout; As selected from manufacturer's standard colors.
 2. Texture: Pebble; hammered not allowed.
- C. Pilaster Shoes: Type 304 Stainless Steel, No. 4 satin finish. Easy Stall shoe shall be of a one piece design and integral to the mounting system and formed from 304 stainless steel 3 inch (76 mm) high with a No. 4 satin finish. Pilaster shoes are anchored to the pilaster with No. 10 stainless steel, vandal-resistant screws.
- D. Headrail: Manufacture's standard anodized aluminum rail with anti-grip profile.
- E. Pilaster Anchors, Floor Anchored/Overhead Braced
1. Easy Stall shoe system. 1/4 by 2 inch (6 by 51 mm) steel screws attach Easy Stall shoe to floor.
 2. Pilaster to be inserted into shoe and secured after height adjusted. Leveling adjustment to be concealed by pilaster shoe.
 3. Height/leveling adjustment to be made via machine thread bolts inserted into factory installed threaded insert in bottom of pilaster.
- F. Hardware
1. Hardware and Accessories, Heavy Duty: Manufacturer's standard operating hardware and accessories.
 2. Material: Stainless steel
 3. Hinges: Manufacturer's standard stainless steel continuous piano hinge, cam type that swings to a partially open position, allowing emergency access by lifting door.
 4. Latch and Keeper: Manufacturer's standard surface-mounted latch unit, designed for emergency access, and with combination rubber-faced door strike and keeper.
 5. No-Sight privacy strips at all compartments.
 6. Coat Hook: Manufacturer's standard combination hook and rubber-tipped bumper, sized to prevent inswinging door from hitting compartment-mounted accessories.
 7. Door Bumper: Manufacturer's standard rubber-tipped bumper at outswinging doors
 8. Door Pull: Manufacturer's standard unit at outswinging doors. Provide units on both sides of doors at compartments designated as accessible.
 9. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.
 10. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel, finished to match the items they are securing, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use stainless steel.

PART 3 EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. Inspect and prepare substrates using the methods recommended by the manufacturer for achieving best result for the substrates under project conditions. Clean surfaces thoroughly prior to installation.

- B. Do not proceed with installation until substrates have been prepared using the methods recommended by the manufacturer and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.
- C. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.
 - 1. Verify dimensions of areas to receive compartments.
 - 2. Verify locations of built-in framing, anchorage, bracing, and plumbing fixtures.

3.02 INSTALLATION

- A. Install in accordance with approved shop drawings and manufacturer's instructions.
- B. Fasten components to adjacent materials and to other components using purpose-designed fastening devices.
- C. Adjust pilaster anchors for substrate variations; conceal anchors with pilaster shoes.
- D. Equip each compartment door with hinges and door latch.
- E. Install door strike keeper on pilasters in alignment with door latch.
- F. Equip each compartment door with one coat hook and bumper.
- G. Installation Tolerances
 - 1. Maximum variations from plumb or level: 1/8 inch (3 mm).
 - 2. Clearance between wall surface and panels or pilasters: 1-1/2 inch (38 mm) maximum.

3.03 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors.
- B. Adjust adjacent components for consistency of line or plane.

3.04 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.
- C. Remove factory protective coverings and clean finish surfaces in accordance with manufacturer's instructions before substantial completion.

END OF SECTION

SECTION 10201

BUILDING LOUVERS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Includes all labor, materials, and services required to fabricate and install the custom designed aluminum building and steeple louvers.

1.02 RELATED SECTIONS

- A. Section 04210 - Brick Masonry: Coordination of louver installation in brick veneer.
- B. Section 05400 - Cold Formed Metal Framing: Metal framing for louver support.
- C. Section 06100 - Rough Carpentry: Treated wood blocking and nailers required for the rigid and permanent installation of the louvers.
- D. Section 07411 - Metal Roof and Wall Panels: Louvers installed in metal panel building systems.
- E. Section 07464 - Fiber-Cement Siding, Trim and Soffit: Coordination of the siding and trim installations with the installation of the building louvers.
- F. Section 07600 - Flashings and Sheet Metal: Installation of required flashings for weathertight louver installations.
- G. Section 07920 - Sealants and Caulking: Sealing of perimeter of louvers.
- H. Division 22 - Plumbing: Attachment of mechanical systems to building louvers.
- I. Division 23 - Heating, Ventilating and Air Conditioning (HVAC): Attachment of HVAC systems to building louvers.

1.03 QUALITY ASSURANCE

- A. Manufacturer: The louver manufacturer shall be a member of the "Air Moving and Conditioning Association, Inc."
- B. Performance Requirements: Where louvers are indicated to comply with specific performance requirements, provide units whose performance ratings have been determined in compliance with Air Movements and Control Association (AMCA) Standard 500.
- C. Comply with SMACNA "Architectural Sheet Metal Material" recommendations for fabrications construction details and installation procedures, except as otherwise indicated.
- D. Comply with NAAMM "Metal Finishes Manual" for finish designations and applications recommendations.
- E. Field Measurements: Verify design requirements, size, location, and placement of louver units prior to fabrication, wherever possible.
- F. Shop Assembly: Coordinate field measurements and shop drawings with fabrication and shop assembly to minimize field adjustments, splicing, mechanical joints, and field assembly of units. Preassemble units in shop to greatest extent possible, and disassemble as necessary for shipping and handling limitations.

1.04 SUBMITTALS

- A. Submit copies of shop drawings and technical data to the Architect in accordance with Section 01340. Include plans, elevations, and details of sections and connections to adjoining work. Sections shall show accurate wall construction matching wall types in Drawings. Indicate materials, finishes, fasteners, joinery, flashings, sealant joints, and other information to determine compliance with specified requirements.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Store louvers and accessories on the job site, above grade, in weathertight shelter, in manufacturer's original cartons until ready for installation.

1.06 WARRANTY

- A. Finish Warranty: Provide manufacturer's standard 15-year warranty protecting the finish against chalking, fading, peeling, etc.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Building Louvers: Louvers shall be Aiolite Type SCH401, extruded aluminum alloy 6063-T52, as manufactured by the Aiolite Company of Marietta, Ohio, or equal as approved by the Architect. The louvers shall be in shapes and dimensions as shown on the drawings. Blades shall be storm proof and drainable.
 - 1. Furnish louvers with aluminum frame, extended sill piece and holes in head, jamb and sill for fastening, as required by project conditions. Provide all necessary anchorage devices, bolts, etc., of aluminum or stainless steel.
 - 2. Mullion spacing shall be as required by the manufacturer, and shall be installed on the rear side of the louver, out of view.
 - 3. Furnish complete with replaceable 16x18 mesh aluminum insect screens with frames to match louvers. Splines shall be extruded vinyl and removable to permit rescreening from the interior side of the louver.
 - 4. Finish: All louvers, frames, etc. shall be have a factory-applied 70% fluoropolymer coating in custom color as selected by the Architect.
 - 5. Provide free area and air flow as required for the mechanical systems. See the Mechanical drawings and specifications for free area and air flow.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Check all openings which are to receive the louvers. Verify that dimensions are in agreement with the approved shop drawings. Verify that all openings are free from irregularities which would interfere with the louver installation. Do not install the louvers until all defects have been corrected.
- B. Coordinate setting drawings, diagrams, templates, instructions and directions for installation of anchorages which are to be embedded or set in surrounding substrate.
- C. Coordinate installation of louvers with the installation of the flashing and sheet metal work (Section 07600) and the wall assembly in which the louver is being installed.

3.02 INSTALLATION

- A. Locate and place louver units plumb, level, and in proper alignment with adjacent work.
- B. Use concealed anchorages wherever possible. Provide brass or lead washers fitted to screws where required to protect metal surfaces and to make weathertight connection.
- C. Form tight joints with exposed connections accurately fitted together. Provide reveals and openings for sealants and joint fillers, as indicated.
- D. Protect non-ferrous metal surfaces from corrosion by application of heavy coating of bituminous paint on surfaces which will be in contact with dissimilar materials.
- E. Provide concealed gaskets, flashings, joint fillers, and insulations integral to louver system, and install as work progresses to make installations weathertight.
- F. Provide suitable, compatible gasket where dissimilar metals are joined.

3.03 CLEANING AND PROTECTION

- A. Cleaning: Surfaces of all louvers and frames shall be cleaned on both inside and outside of all foreign matter, to present a neat, clean appearance. Where finish has become stained or discolored, it shall be cleaned and have finish restored in accordance with the louver manufacturer's recommendations. Stained, discolored, or abraded louvers and frames that cannot be satisfactorily repaired shall be replaced.
- B. Protection: Completed installation shall be protected from damage caused by work being performed in the surrounding area, and until the Date of Substantial Completion.

3.04 CLEANUP

- A. Upon completion of the installations, remove from the job site all unnecessary equipment, excess materials and debris and leave ready for the next sequence of work to be performed.

END OF SECTION

SECTION 10400
IDENTIFYING DEVICES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Includes materials and installation of:
 - 1. Interior room identification signage and directional signage.
 - 2. Handicap Parking signage.

1.02 RELATED SECTIONS

- A. Section 08100 - Hollow Metal Doors and Frames: Room identification signage installed on doors.
- B. Section 08210 - Wood Doors: Room identification signage installed on doors.
- C. Section 09250 - Gypsum Wallboard: Substrate for application of signage.
- D. Section 09900 - Painting: Completion of painting operations prior to installation signage.

1.03 QUALITY ASSURANCE

- A. Comply with ANSI handicapped requirements, ADA requirements, and the local and State Handicapped Codes and Ordinances for letter/signage sizes, engraving techniques, symbols, and locations of installations.
- B. Acceptable Manufacturers - The following manufacturers are acceptable for use on this project subject to compliance with requirements:
 - 1. Gemini, Inc.
 - 2. Dale & Dale, Inc.
 - 3. ARK Ramos

1.04 SUBMITTALS

- A. Copies of complete technical data and/or shop drawings describing the materials specified and installation shall be delivered to the Architect in accordance with Section 01340. Submit samples if requested by the Architect.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Store materials in a locked, weathertight area. Remove from the locked area only those items to be immediately installed. Other items shall remain in locked storage until installation of same.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Identification Devices and Interior Room Signage, ADA Signage and Directional Signage: Provided for by the Allowances specified under Section 01020, Allowances.
- B. Handicapped Parking Signage: Comply with applicable ordinances for manufacture and installation of the parking signage. Sign shall have the International Symbol for Accessibility as well as the lettering "HANDICAPPED PARKING ONLY".

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install signage, lettering, and identifying devices using anchorages and attachment devices and methods recommended by the manufacturer for the substrate(s) involve with such devices concealed where possible. Consult with Architect for locations and placement of signage. Exterior anchorage devices must be compatible with the substrate and be non-corrosive.
- B. Handicapped Parking Signage: Mount sign on galvanized steel post set in concrete filled posthole. Sign shall be plumb, level, and rigid. Refer to Drawings for signage locations.

3.02 CLEANUP AND CLEANING

- A. Upon completion of the signage installation, remove from the site all excess materials, equipment, and debris. Leave signage clean, and free from dirt, dust, and imperfections.

3.03 PROTECTION

- A. Completed installations shall be protected from damage until date of Substantial Completion. Damaged signage shall be replaced at no additional expense to the Owner.

END OF SECTION

SECTION 10511
LOCKERS AND BENCHES

PART 1 – GENERAL

1.01 SUMMARY

- A. This Section includes the following:
 - 1. Painted steel turnout lockers.
 - 2. Wood benches with steel posts.
- B. See section 01010 – Summary of Work for Owner Furnished Contractor Installed Lockers specified herein.

1.02 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Treated wood nailers and blocking required for the installation of lockers.
- B. Section 09250 - Gypsum Wallboard: Completion of the gypsum wallboard installation prior to installation of the lockers.
- C. Section 09900 - Painting: Completion of painting operations prior to installing lockers.

1.03 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets, and installation instructions for each type of product indicated.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
- C. Dimensioned plans and elevations, with installation instructions. Indicate blocking, clearances, and anchoring required for the project conditions.
- D. Include product identification system.
- E. Samples: For each exposed finish.
- F. Maintenance data.

1.04 QUALITY ASSURANCE

- A. Conduct a Pre-installation Conference at the jobsite.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- B. Do not deliver materials or begin installation until building is enclosed, with complete protection from outside weather, and building temperature maintained at a minimum of 60 degrees F (15.6 degrees C).

1.06 WARRANTY

- A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of products that fail in materials or workmanship, excluding finish, within specified warranty period.
- B. Failures include, but are not limited to, the following: Structural failures, finishes, hardware, faulty operation of latches and other door hardware.
- C. Damage from deliberate destruction and vandalism is excluded.
- D. Warranty Period: 1 year from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 LOCKERS

- A. Emergency Response Locker as manufactured by Republic Storage Systems, LLC. (republicstorage.com) or equal product by other manufacturer approved in advance.
 - 1. Standard Painted Steel Emergency Response Locker
 - 2. 24" wide x 18" deep x 72" high.
 - 3. Full Width Shelf at 12" from top
 - 4. Partition with a nominal 10" wide lockable compartment and additional shelf
 - 5. Heavy duty 1" diameter, chrome plated coat rod on garment side
 - 6. Double prong hook mounted underneath the lockable compartment
 - 7. 16 gauge Minimum material throughout. louvered or diamond perforated door
 - 8. Cremona style turn handle
 - 9. Double Doors
 - 10. Continuous hinges
 - 11. Mounting and Anchoring hardware: Stainless Steel; provided by manufacturer.
 - 12. Color: selected by Architect from standard colors.
 - 13. Keying

2.02 BENCHES

- A. Locker Room Benches as manufactured by Republic Storage Systems, LLC. (republicstorage.com) or equal product by other manufacturer approved in advance.
- B. Wood bench seat, with clear finish.
- C. Steel pedestals with welded mounting plates. Color: match lockers.
- D. Height: 17-12"
- E. Lengths as shown in the drawings.

PART 3 - EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. Field measure all conditions prior to fabrication of products. Contractor is responsible to coordinate field conditions and products for proper size and fit per the design drawings.

- B. Inspect and prepare floors and walls, including blocking, to ensure best results for installation of lockers and benches.
- C. Do not proceed with installation until all conditions have been prepared as required by the manufacturer.

END OF SECTION

SECTION 10520

FIRE EXTINGUISHERS, CABINETS, AND ACCESSORIES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Includes furnishing materials and installation of the fire extinguishers, fire extinguisher cabinets and fire extinguisher mounting hardware.

1.02 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Treated wood blocking for rigid attachment of wall brackets and cabinets.
- B. Section 09250 - Gypsum Wallboard: Completion of gypsum wallboard installations prior to attachment of wall brackets. Coordination of the wallboard system installations with the cabinet installations.
- C. Section 09900 - Painting: Protection of installed cabinets during painting operations. Completion of painting operations prior to installation of wall mounted brackets.

1.03 QUALITY ASSURANCE

- A. Provide fire extinguishers, cabinets, and accessories by one (1) manufacturer, unless otherwise acceptable to the Architect.
- B. UL-Listed Products: Provide new fire extinguishers which are UL Listed and bearing UL Listing Mark for type, rating and classification of extinguisher indicated.

1.04 SUBMITTALS

- A. Submit copies of technical data to the Architect in accordance with Section 01340.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Fire Extinguishers
 - 1. Multi-purpose, 10 pound, dry chemical type rated for Class A, B and C fires, and shall have a U.L. 4A-60BC rating, except at Kitchen.
 - 2. 2-1/2 gallon, K-type at Kitchen
- B. Cabinets: As manufactured by J.L. Industries of Bloomington, Minnesota. Where cabinets are installed in fire-rated walls, provide cabinets with the FS option.
 - 1. Provide semi-recessed Panorama Model 1017G17, with factory applied white enamel finish, clear tempered glass with red FE lettering arranged vertically.
- C. Wall Brackets: Wall brackets and mounting hardware shall be furnished for wall hung extinguishers. Provide J.L. Industries MB 846 wall bracket for 10 pound extinguisher. Coordinate bracket type with extinguisher purchased.
 - 1. Decals: Red letter decals spelling "FIRE EXTINGUISHER" for application to vertical surface above unit; letter size, style, and location in accordance with NFPA requirements.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Wall Mounted (Bracket Supported) Fire Extinguishers
 - 1. Install fire extinguishers in locations shown on Drawings. Wall brackets shall be anchored solidly to wall. Block walls where required in order to obtain a rigid installation. Mount so that fire extinguisher handle is no higher than 4'-0" above finish floor; comply with requirements of ADA and NFPA 10.
 - 2. Install identification for bracket mounted extinguishers. Install decals above each extinguisher unit in accordance with NFPA 10 and ADA.
 - 3. Install bracket-mounted fire extinguishers in the following locations:
 - a. Kitchen.
 - b. Electrical and mechanical rooms.

- B. Cabinet Installation
 - 1. Install cabinets to permit floor to extinguisher handle to be 48". Comply with requirements of ADA and NFPA 10.
 - 2. Install cabinets in locations indicated on the Drawings.
 - 3. Cabinets shall be rigidly anchored to solid treated wood blocking or metal framing.

- C. Extinguisher Charging: Install charged extinguishers not more than 48 hours prior to Date of Substantial Completion.

END OF SECTION

SECTION 10800

TOILET ROOM ACCESSORIES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Includes materials and installation of toilet room accessories.

1.02 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Treated wood blocking for the rigid installation of grab bars and other accessories.
- B. Section 09250 - Gypsum Wallboard: Completion of gypsum wallboard installations prior to accessory installations.
- C. Section 09300 - Tile: Completion of the tile installations prior to accessory installations.
- D. Section 09900 - Painting: Installation of mirrors and utility shelves after painting operations are complete.
- E. Section 10161 - Toilet Partitions and Urinal Screens: Coordination of the fabrication and erection of the toilet partitions with the accessories provided.

1.03 QUALITY ASSURANCE

- A. Acceptable Manufacturers for Toilet Room: The following manufacturers are acceptable for use on this project subject to compliance with these specifications:
 - 1. Bobrick Washroom Equipment, Inc.
 - 2. Bradley Corporation
 - 3. Franklin Brass
 - 4. American Specialties Inc.
- B. Design Requirements: Comply with ANSI A117.1 grab bar loading requirements.

1.04 SUBMITTALS

- A. Submit copies of technical data and shop drawings for Architect's review, in accordance with Section 01340. Submit samples at the request of the Architect.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Products shall be shipped and stored in manufacturer's original, unopened cartons. Store items in locked area prior to installation. Items not being installed shall remain under lock at all times.

PART 2 - PRODUCTS

2.01 GENERAL

- A. All toilet room accessories shall be of matching design and all from a single manufacturer. All grab bars shall be concealed mounting type. All grab bars shall be provided with manufacturer's standard, galvanized steel concealed anchor plates.

- B. Materials: Use AISI Type 304 stainless steel, (non-austenitic), for all parts except mounting kits for grab bars or specific items noted otherwise.
- C. Fasteners: Toilet room accessory manufacturer's recommended fasteners for substrate encountered.

2.02 TOILET ROOM ACCESSORIES

- A. Provide the following accessories. Refer to Drawings for locations of installations.
 - 1. Recessed Paper Towel Dispenser: Recessed design, Bobrick #B-359. Provide one (1) at each Restroom.
 - 2. Double Roll Toilet Tissue Holders: Bobrick #B-7686. Provide One (1) at each toilet compartment.
 - 3. Soap Dispensers: Wall mounted, Bobrick #B-2111. Locate as Shown on Drawings: Provide Bobrick #B-822 lavatory mounted soap dispenser at main Restrooms. Mounting on mirrors is not allowed.
 - 4. Grab Bars at Handicapped Toilets: Length(S) as indicated, 1-1/2" diameter satin finish stainless steel, 1-1/2" from wall mounting, Bobrick #B-6806 Series. Provide with manufacturer's concealed anchor plates.
 - 5. Framed Mirrors: Sizes as detailed in drawings. Also refer to Section 00800.
 - 6. Waste Receptacle: Floor-standing, open top, Bobrick # B2260. Provide one (1) at each restroom.
 - 7. Mop and Broom Holder: Bobrick #B-223 by 36". Two (2) required; locate in each Janitor Closet.
 - 8. Robe Hook: Bobrick # B-2116. (Toilet compartments are provided with combination hook/bumper).

PART 3 - GENERAL

3.01 INSTALLATION

- A. General
 - 1. Each accessory shall be fastened rigidly in place, in perfect plumb, level, and alignment. Where an accessory is mounted on or in surface having joint pattern, it shall be mounted symmetrically within pattern. Surfaces of fastening devices exposed after installations shall have same finish as attached accessory.
 - 2. Install treated wood blocking in walls in advance to receive accessories.
 - 3. Consult with Architect at Project site for exact locations of accessories where locations are not indicated on drawings, or where indicated or proposed locations will interfere with other construction, door swings, light switches, etc.
 - 4. Exposed surfaces of accessories shall be protected with strippable plastic or other approved means until installation is accepted.
- B. Accessory manufacturer's mounting details shall be coordinated with other trades as work progresses. Locations of all accessories shall be shown on drawings and/or scheduled herein.
- C. Accessories shall be installed with fasteners recommended by manufacturers in manners to produce totally rigid installations.
- D. Grab Bars: Shall be mounted with devices and fastenings as required by mounting conditions to develop capacity to resist a downward pull of 250 pounds minimum.

3.02 CLEANING AND PROTECTION

- A. Adjacent wall surfaces and materials shall be protected during installation of accessories. Any damaged adjacent materials or accessories shall be repaired or replaced at no cost to Owner. Protect installed accessories until date of Substantial Completion.

3.03 CLEANUP

- A. Upon completion of the accessory installation, remove from the job site all excess materials and debris.

END OF SECTION