

**SECTION 10 26 01****WALL AND CORNER GUARDS****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Bumper rails.
- B. Corner guards.
- C. Corridor handrails.

**1.02 RELATED REQUIREMENTS**

- A. Section 06 10 00 - Rough Carpentry: Blocking for wall and corner guard anchors.

**1.03 REFERENCE STANDARDS**

- A. ANSI/ICC A117.1 - American National Standard for Accessible and Usable Buildings and Facilities; International Code Council; 2003.
- B. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2008.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Samples: Submit two sections of corner guard, 12 inch long, illustrating component design, configuration, color and finish.

**PART 2 PRODUCTS****2.01 MANUFACTURERS**

- A. Wall and Corner Guards:
  - 1. Arden Architectural Specialties, Inc [www.ardenarch.com](http://www.ardenarch.com).
  - 2. Construction Specialties, Inc: [www.c-sgroup.com](http://www.c-sgroup.com).
  - 3. InPro Corporation: [www.inprocorp.com](http://www.inprocorp.com).
  - 4. Substitutions: See Section 01 60 00 - Product Requirements.

**2.02 COMPONENTS**

- A. Bumper/Hand Rail: Factory- or shop-fabricated, with preformed end caps and internal and external corners. Standard: InProCorp. #1200, ADA compliant. Mount with continuous bracket.
  - 1. Performance of Installed Assembly:
    - a. Support vertical live load of 100 lb/lineal ft with deflection not to exceed 1/50 of span between supports.
    - b. Resist lateral force of 250 lbs at any point without damage or permanent set.
  - 2. Material: High impact vinyl, color as selected from manufacturer's standard colors.
  - 3. Mounting: Surface.
  - 4. Projection From Wall to Outside of Rail: 3 inch.
  - 5. Clear Space From Wall: 1.5 inch.
  - 6. Return rail to wall with matching radius end pieces
- B. Corner Guard - Surface Mounted: High impact vinyl with extruded aluminum full height retainer and integral impact absorbing device. Standard: InProCorp #G150 series.
  - 1. Performance: Resist lateral impact force of 100 lbs at any point without damage or permanent set.
  - 2. Surface Burning Characteristics: Provide assemblies with flame spread index of 25 or less

and smoke developed index of 450 or less, when tested in accordance with ASTM E 84.

3. Size: 3 inches.
4. Corner: Square.
5. Color: As selected from manufacturer's standard colors.
6. Length: One piece.
7. Preformed end caps.

- C. Wall Protection: Standard: InProCorp Sanparrel Rigid Texture Vinyl Sheet, .06 inch thickness, with all trim accessories.
1. Material: High impact vinyl, color as selected from manufacturer's standard colors.
  2. Surface Burning Characteristics: Provide assemblies with flame spread index of 25 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E 84.

### **2.03 FABRICATION**

- A. Fabricate components with tight joints, corners and seams.
- B. Pre-drill holes for attachment.
- C. Form end trim closure by capping and finishing smooth.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that rough openings, concealed blocking, and anchors are correctly sized and located.
- B. Verify that field measurements are as indicated on Drawings.

### **3.02 INSTALLATION**

- A. Install components in accordance with manufacturer's instructions, level and plumb, secured rigidly in position to wall framing members only.
- B. Position top of bumper rail 34 inches from finished floor.
- C. Position corner guard 4 inches above finished floor to 36 inches high.
- D. Terminate rails \_\_\_\_ inches short of door opening.

### **3.03 TOLERANCES**

- A. Maximum Variation From Required Height: 1/4 inch.
- B. Maximum Variation From Level or Plane For Visible Length: 1/4 inch.

**END OF SECTION**

**SECTION 10 28 00****TOILET, BATH, AND LAUNDRY ACCESSORIES****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Accessories for toilet rooms, showers, and utility rooms.
- B. Grab bars.

**1.02 RELATED REQUIREMENTS****1.03 REFERENCE STANDARDS**

- A. ASTM A 269 - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2008.
- B. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2007.
- C. ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2003.
- D. ASTM B 456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium; 2003.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on accessories describing size, finish, details of function, attachment methods.
- C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

**PART 2 PRODUCTS****2.01 MANUFACTURERS**

- A. Standard: products listed are made by Bradley.
- B. Other Acceptable Manufacturers:
  - 1. A & J Washroom Accessories Inc: [www.ajwashroom.com](http://www.ajwashroom.com).
  - 2. American Specialties, Inc: [www.americanspecialties.com](http://www.americanspecialties.com).
  - 3. Bradley Corporation: [www.bradleycorp.com](http://www.bradleycorp.com).
  - 4. Bobrick: [www.bobrick.com](http://www.bobrick.com)
  - 5. Substitutions: Section 01 60 00 - Product Requirements.
- C. All items of each type to be made by the same manufacturer.

**2.02 MATERIALS**

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
  - 1. Grind welded joints smooth.
  - 2. Fabricate units made of metal sheet of seamless sheets, with flat surfaces.
- B. Stainless Steel Sheet: ASTM A 666, Type 304.
- C. Stainless Steel Tubing: ASTM A 269, Type 304 or 316.

- D. Galvanized Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A 653/A 653M, with G90/Z275 coating.
- E. Adhesive: Two component epoxy type, waterproof.
- F. Fasteners, Screws, and Bolts: Hot dip galvanized, tamper-proof, security type.
- G. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

### 2.03 FINISHES

- A. Stainless Steel: No. 4 satin brushed finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B 456, SC 2, satin finish, unless otherwise noted.
- C. Baked Enamel: Pretreat to clean condition, apply one coat primer and minimum two coats epoxy baked enamel.

### 2.04 TOILET ROOM ACCESSORIES - See Accessories Schedule on Drawings Sheet A1.02

- A. T-1 Security Recessed Toilet Paper Holder: Single roll, recessed mounted "can" type, 16 Ga. stainless steel, satin finish, with 11 ga. die formed galvanized steel back plate welded to holder with threaded stud anchors. ADA Compliant. Standard: Bradley #SA11
- B. T-2 Cuff Port/Food Pass: 7 gauge primed steel frame with 10 gauge flat hinged door attached with 10 gauge steel butt hinges. Pass Door to be manufactured to accept paracentric high security lock. Provide 10 gauge steel back plate and 1 3/4", 10 gauge steel sleeve for installation in Type "C" 12 gauge security door for Safe Cells. Mount in security door with tamperproof security screws and/or weld frame, face, and back plate to door panels each face. Standard: Norix Group, Inc. #E7
- C. T-3 Paper Towel Dispenser: Folded paper type, stainless steel, surface-mounted, with viewing slots on sides as refill indicator and tumbler lock.
  - 1. Capacity: 400 multifold minimum.
- D. T-4 Soap Dispenser: Liquid soap dispenser, wall-mounted, recessed, with stainless steel cover and horizontal stainless steel tank and working parts; push type soap valve, check valve, and window gage refill indicator, tumbler lock.
  - 1. Minimum Capacity: 32 ounces.
  - 2. Product Standard #6437 manufactured By bradley.
- E. T-5 Security Mirror: 20 Ga. stainless steel framed polished stainless steel mirror to a #8 bright architectural finish. ADA Compliant. Anchor with tamper-proof SS screws. Standard: Bradley #SA503
  - 1. Size: 11 1/4" W x 17 1/4" H x 1/4" D..
  - 2.
- F. T-6 Handicapped Shower Seat: Detention grade, recessed ADA compliant, fold-down shower seat constructed of cut, formed, and welded stainless steel with 3/8" solid stainless steel hinge, and frame to fit wall opening. Coordinate installation with installation of masonry. Standard: Norix Group, Inc. #F8
- G. T-7 Specimen Pass-Thru Cabinet: 18 gauge stainless steel cabinet, welded, burr free edges, with exposed surfaces in satin finish. 20 gauge S.S. self closing doors each side with interlock to prevent doors from being opened at the same time. Standard: Bradley #9813.
- H. T-8 Shower Track, Curtain, and Carriers: Extruded aluminum track, 1/2" inch x 5/8 inch with 88 inch curtain and plastic "pop-off" curtains. Anchor with stainless steel tamper-proof screws. See Specifications Section 12 22 16 Cubicle Curtain Track and Accessories.

- I. T-9 Security Clothes Strip: Bradley # SA 32, Backplate of 14 Ga. stainless steel. Four safety hooks of bright chrome plated brass housing with stainless steel ball and spring. All exposed finishes to be of architectural satin finish.
- J. T-10 Security Towel Pin: Bradley # SA 30, Backplate of 14 Ga. stainless steel. Safety Hook of bright chrome plated brass housing with stainless steel ball and spring. All exposed finishes to be of architectural satin finish.
- K. T-11, T-12, and T-13. Security Grab Bars: Stainless steel, 1 1/2 inches outside diameter, minimum 0.05 inch wall thickness, nonslip grasping surface finish, concealed flange mounting; 1-1/2 inches clearance between wall and inside of grab bar. Furnish with SS closure plate.
  - 1. Length and configuration of all bars: As indicated on drawings.
- L.

## 2.05 UTILITY ROOM ACCESSORIES

- A. Mop and Broom Holder: 0.05 inch thick stainless steel, Type 304, hat-shaped channel.
  - 1. Holders: 3 spring-loaded rubber cam holders.
  - 2. Length: 36 inches.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. Verify that field measurements are as indicated on drawings.
- D. See Section 06 10 00 for installation of blocking, reinforcing plates, and concealed anchors in walls, and ceilings.

### 3.02 PREPARATION

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

### 3.03 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights and Locations: As required by accessibility regulations and as indicated on drawings.

### 3.04 SCHEDULE

- A. Refer to Toilet Accessories Schedule on drawings.

**END OF SECTION**

**SECTION 10 44 00****FIRE PROTECTION SPECIALTIES****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Fire extinguishers.
- B. Fire extinguisher cabinets.
- C. Accessories.

**1.02 RELATED REQUIREMENTS**

- A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.

**1.03 REFERENCE STANDARDS**

- A. NFPA 10 - Standard for Portable Fire Extinguishers; National Fire Protection Association; 2007.
- B. UL (FPED) - Fire Protection Equipment Directory; Underwriters Laboratories Inc.; current edition.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate cabinet physical dimensions.
- C. Product Data: Provide extinguisher operational features.
- D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
- E. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

**PART 2 PRODUCTS****2.01 MANUFACTURERS**

- A. Fire Extinguishers:
  - 1. Ansul, Inc: [www.ansul.com](http://www.ansul.com).
  - 2. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Fire Extinguisher Cabinets and Accessories:
  - 1. JL Industries, Inc: [www.jlindustries.com](http://www.jlindustries.com).
  - 2. Larsen's Manufacturing Co: [www.larsensmfg.com](http://www.larsensmfg.com).
  - 3. Substitutions: See Section 01 60 00 - Product Requirements.

**2.02 FIRE EXTINGUISHERS**

- A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
  - 1. Provide extinguishers labeled by Underwriters Laboratories Inc. for the purpose specified and indicated.
- B. Dry Chemical Type Fire Extinguishers: Stainless steel tank, with pressure gage.
  - 1. Class: A.
  - 2. Size: 2.5 pound.
  - 3. Size and classification as scheduled.
  - 4. Finish: Baked enamel, Red color.

**2.03 FIRE EXTINGUISHER CABINETS**

- A. Metal: Formed stainless steel sheet; 0.036 inch thick base metal.
- B. Cabinet Configuration: Recessed type. Standard; JL Embassy Series, #5634 W 18 with vertical duo laminated safety glass panel and black vertical "Fire Extinguisher" lettering.
  - 1. Sized to accommodate accessories.
  - 2. Exterior nominal dimensions of 12 3/4 wide x 26 1/4 inch high x 6 inch deep.
  - 3. Trimless type.
  - 4. Form cabinet enclosure with right angle inside corners and seams. Form perimeter trim and door stiles.
- C. Door: 0.036 inch thick, reinforced for flatness and rigidity; latch. Hinge doors for 180 degree opening with continuous piano hinge. Provide nylon catch.
- D. Door Glazing: Glass, clear, 1/8 inch thick tempered. Set in resilient channel gasket glazing.
- E. Cabinet Mounting Hardware: Appropriate to cabinet. Pre-drill for anchors.
- F. Weld, fill, and grind components smooth.
- G. Finish of Cabinet Exterior Trim and Door: Stainless Steel.
- H. Finish of Cabinet Interior: White enamel.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify existing conditions before starting work and verify the wall framing and furring has provided sufficient depth for a fully recessed cabinet.
- B. Verify rough openings for cabinet are correctly sized and located.

#### **3.02 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Install cabinets plumb and level in wall openings, 30 inches from finished floor to inside bottom of cabinet.
- C. Secure rigidly in place.
- D. Place extinguishers and accessories in cabinets where cabinets are noted and on wall brackets in mechanical rooms and other areas where cabinets are not specified.

**END OF SECTION**

**SECTION 10 51 00****LOCKERS****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Locker units with hinged doors.
- B. Metal tops and filler panels.

**1.02 RELATED REQUIREMENTS**

- A. Section 03 30 00 - Cast-in-Place Concrete: Concrete base construction.

**1.03 REFERENCE STANDARDS**

- A. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2007.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on locker types, sizes and accessories.
- C. Shop Drawings: Indicate locker plan layout, numbering plan and combination lock code.
- D. Samples: Submit two samples 3 x 6 inches in size, of each color scheduled; applied to specified base metal.
- E. Manufacturer's Installation Instructions: Indicate component installation assembly.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Protect locker finish and adjacent surfaces from damage.

**PART 2 PRODUCTS****2.01 MANUFACTURERS**

- A. Lockers: Standard: Lyon # 5202
  - 1. Art Metal Products: [www.artmetalproducts.com](http://www.artmetalproducts.com).
  - 2. Lyon Workspace Products: [www.lyonworkspace.com](http://www.lyonworkspace.com).
  - 3. Penco Products, Inc: [www.pencoproducts.com](http://www.pencoproducts.com).
  - 4. Republic Storage Systems Co: [www.republicstorage.com](http://www.republicstorage.com).
  - 5. Substitutions: See Section 01 60 00 - Product Requirements.

**2.02 MATERIALS**

- A. Sheet Steel: ASTM A 653/A 653M SS Grade 33/230, with G60/Z180 coating, stretcher leveled; to the following minimum thicknesses:
  - 1. Body and Shelf: 24 gage, 0.024 inch.
  - 2. Door Outer Face: 16 gage.
  - 3. Door Inner Face: 20 gage, 0.036 inch.
  - 4. Door Frame: 16 gage, 0.060 inch.
  - 5. Hinges: 14 gage, 0.075 inch.
  - 6. Sloping Top: 20 gage, 0.036 inch.
  - 7. Trim: 20 gage, 0.036 inch.

**2.03 LOCKER UNITS**

- A. Width: 12 inches.

- B. Depth: 12 inches.
- C. Height: 36 inches.
- D. Configuration: double tier.
- E. Mounting: Surface mounted.
- F. Base: Fabricate for concrete base.
  - 1. Base Height: 4 inch.
- G. Top: Sloped metal with closures.
- H. Locking: Equipped for combination locks.
- I. Ventilation Method: Door louvers.
- J. Class: Conventional.
- K. Locker Body: Formed and flanged; with steel stiffener ribs; electric spot welded.
- L. Frames: Formed channel shape, welded and ground flush, welded to body, resilient gaskets and latching for quiet operation.
- M. Doors: Hollow double pan, sandwich construction with acoustic insulation fill, 1-3/16 inch thick; welded construction, channel reinforced top and bottom with intermediate stiffener ribs, grind and finish edges smooth.
- N. Hinges: Two for doors under 42 inches high; three for doors over 42 inches high; weld securely to locker body and door.
- O. Locking device supplied by Ohio Department of Rehabilitation & Correction.
- P. Number Plates: Provide oval shaped brass plates. Form numbers 3/4 inch high of block font style with ADA designation, in contrasting color.
- Q. Provide ventilation openings at top and bottom of each locker.
- R. Form recess for operating handle and locking device.
- S. Finish edges smooth without burrs.
- T. Fabricate sloped metal tops, ends and closure pieces.
- U. Provide end panels and filler strips.

#### **2.04 FINISHING**

- A. Clean, degrease, and neutralize metal; prime and finish with one coat of baked enamel.
- B. Paint locker units 1 color, as selected.

#### **PART 3 EXECUTION**

##### **3.01 EXAMINATION**

- A. Verify that prepared bases are in correct position and configuration.

##### **3.02 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Install lockers plumb and square.
- C. Place and secure on prepared base.
- D. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 lb.

- E. Bolt adjoining locker units together to provide rigid installation.
- F. Install end panels, filler panels, and sloped tops.
- G. Install accessories.
- H. Replace components that do not operate smoothly.

**3.03 CLEANING**

- A. Clean locker interiors and exterior surfaces.

**END OF SECTION**

**SECTION 10 56 17****WALL MOUNTED STANDARDS AND SHELVING (BY OWNER)****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Shelf standards, brackets, and accessories.
- B. Shelves.
- C. See drawings for locations and configurations.

**1.02 RELATED REQUIREMENTS**

- A. Section 06 10 00 - Rough Carpentry: Wood blocking in walls for attachment of standards.
- B. Section 09 21 16 - Gypsum Board Assemblies: Blocking in metal stud walls for attachment of standards.

**1.03 REFERENCE STANDARDS**

- A. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used.
- C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

**1.05 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

**1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Store products under cover and elevated above grade.
- B. Store products in manufacturer's unopened packaging until ready for installation.

**PART 2 PRODUCTS****2.01 MANUFACTURERS**

- A. Shelf Standards and Brackets: Standard
  1. Knappe & Vogt Manufacturing Company: [www.knappeandvogt.com](http://www.knappeandvogt.com).
  2. Substitutions: See Section 01 60 00 - Product Requirements.

**2.02 MATERIALS**

- A. Extra Heavy Duty Shelf Standards: Single-slotted channel standards for brackets adjustable in 1 inch increments along entire length of standard, drilled and countersunk for screws.
  1. Acceptable Product: K&V 87.
  2. Load Capacity: Recommended by manufacturer for loading of 540 to 1,060 pounds per pair of standards.
  3. Face Width: 5/8 inch, single slotted.
  4. Material: 12 gage 0.105 inches steel.
  5. Lengths: As indicated on drawings.
  6. Finish: As selected by Architect from manufacturer's full range of colors and finishes.

7. Brackets: 12 gage 0.105 inches steel, reinforced, locking into slots with molded nylon cam lock lever; size to suit shelves; same finish as standards. KV # 186/187.
  8. Application: Use extra heavy duty standards at all locations.
  9. Bracket Quantity: Provide one bracket for each 12 inches of standard length.
- B. Laminate Faced Shelves: Particleboard or medium density fiberboard covered with high pressure decorative laminate on both sides.
1. Edge Finish: Matching laminate, all four edges.
  2. Substrate Thickness: 3/4 inch, nominal.
  3. Length: 36 inches maximum between supports.
  4. Laminate: NEMA LD 3 Type HGL.
  5. Laminate Color and Pattern: To be selected later.
- C. Fasteners: Screws as recommended by manufacturer for intended application or as otherwise required by project conditions.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Jester Jones Schifer Architects of unsatisfactory preparation before proceeding.

#### **3.02 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

#### **3.03 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Mount standards to solid backing capable of supporting intended loads.
- C. Install brackets, shelving, and accessories.

#### **3.04 PROTECTION**

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

**END OF SECTION**