

DIVISION 10  
Specialties





## SECTION 10305 – FIRPLACES

### PART 1 – GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. Furnish all products, materials, accessories, and labor necessary to provide a complete installation of the factory built fireplaces within the specifications, drawings and other guidelines set forth for this project. All work shall also be performed within the scope of the manufacturer's warranty

#### 1.3 RELATED SECTIONS

- A. Division 9 Paint
- B. Division 15 Mechanical
- C. Division 16 Electrical

#### 1.4 DELIVERY, STORAGE, AND HANDLING OF MATERIALS

- A. Delivery of all products shall be scheduled so as to allow for prompt installation immediately following delivery. All materials shall be fully protected from damage from other trades as well as damage from inclement weather and other unforeseen job site hazards.

#### 1.5 QUALITY ASSURANCE

- A. Any variations from the manufacturer's installation instructions must be approved by the manufacturer's technical support department in writing and submitted to the architect prior to submitting a bid. In addition, each bidder shall submit a copy of the most recent installation instructions and product literature for the required products. All accessories required shall be fully described and noted in the bid.

## 1.6 SUBMITTALS

- A. Product Data.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURER

- A. All fireplaces and required accessories shall be manufactured and approved by Heat & Glo.

### 2.2 FIREPLACES

- A. Fireplace Unit
  1. Large Fireplace Unit: SL-550TR w/ Clean Face Kit.
  2. Mantel: Kenwood Flush Mantel SL-750, no raised hearth.
  3. Absolute Black Granite Surround.
  4. Related accessories for complete installation.

### 2.3 PRODUCT APPROVALS

- A. Fireplace products shall comply with all local building codes and regulations. In addition, products must meet the applicable portions of the following standard:

### 2.4 OTHER MATERIALS

- A. Other materials not specifically described but required for a complete and proper installation shall be new, best quality of their respective kinds, as selected by the contractor subject to the approval of the architect.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Install in accordance with the manufacturer's instructions and with the requirements of authorities having jurisdiction, anchoring all components firmly into position for long life under hard use.

### 3.2 ADJUST AND CLEAN

- A. Adjust and clean for proper operation.

END OF SECTION 10305

## SECTION 10425 - SIGNS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract from the front of the Specification book, including General Conditions and Supplementary General Conditions, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Panel signs.
- B. Provide signage as indicated on the drawings.

#### 1.3 REFERENCES

- A. ASTM D 790-91 -- Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
- B. The Americans with Disabilities Act of 1990 (ADA).

#### 1.4 SUBMITTALS

- A. Product Data: Submit for each type of sign specified, including details of construction relative to materials, dimensions of individual components, profiles, and finishes.
- B. Shop drawings:
  - 1. Show fabrication and erection of signs. Include plans, elevations, and large-scale sections of typical members and other components. Show anchors, grounds, layout, reinforcement, accessories, and installation details.
  - 2. Provide message list for each sign required, including large-scale details of wording and lettering layout.
  - 3. For signs supported by or anchored to permanent construction, provide setting drawings, templates, and directions for installation of anchor bolts and other anchors to be installed as a unit of Work in other Sections.
- C. Samples:
  - 1. Submit manufacturer's full range of samples for initial selection of color, pattern, and texture:
    - a. Cast acrylic sheet.

2. Samples for verification of color, pattern, and texture selected:  
Submit at least one full size sample for each type of sign specified.
  - a. Include a representative sample of the graphic image process required.
  - b. Show graphic style, and colors and finishes of letters, numbers, and other graphic devices.
  - c. Where finishes involve normal color and texture variations, include sample sets showing the full range of variations expected.
  - d. Include each method of attachment.

#### 1.5 QUALITY ASSURANCE

- A. Sign Fabricator Qualifications: Firm experienced in producing signs similar to those indicated for this Project, with a record of successful in-service performance.
  1. For each separate sign type required, obtain signs from a single manufacturer.

#### 1.6 PROJECT CONDITIONS

- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication where necessary to ensure proper fitting. Show recorded measurements on final shop drawings.

### PART 2 - PRODUCTS

#### 2.1 GENERAL

- A. Graphic Content and Style: Provide sign copy that complies with the requirements indicated for size, style, spacing, content, position, material, finishes, and colors of letters, numbers, and other graphic devices.
  1. Signs that designate permanent rooms and spaces and signs that provide direction to or information about functional spaces (and other signs required to comply) shall comply with the Americans with Disabilities Act of 1990.

#### 2.2 MATERIALS

- A. Cast Acrylic Sheet: Cast (not extruded or continuous cast) methyl methacrylate monomer plastic sheet; sizes and thicknesses indicated; minimum flexural strength of 16,000 psi when tested according to ASTM D 790; minimum allowable continuous service temperature of 176 degrees F (80 degrees C).
  1. Colored opaque acrylic sheet.

- B. Wall-Mounted Panel Sign Mountings:
  - 1. Vinyl-tape mounting: Double-sided foam tape for use on smooth, nonporous surfaces.
  - 2. Silicone-adhesive mounting: Liquid silicone adhesive recommended by the sign manufacturer for use on irregular, porous, or vinyl-covered surfaces. Use double-sided vinyl tape where recommended by the sign manufacturer to hold the sign in place until the adhesive has fully cured.
- C. Colored Coatings for Acrylic Plastic Sheet: Use coatings, inks, and paints for copy and background colors that are recommended by acrylic manufacturers for optimum adherence to acrylic surface and are nonfading for the application intended.

## 2.3 FINISHES

- A. Colors and Surface Textures: For exposed sign material that requires selection of materials with integral or applied colors, surface textures or other characteristics related to appearance, provide color matches indicated, or if not indicated, as selected by the architect from the manufacturer's standards.

## 2.4 PANEL SIGNS

- A. General:
  - 1. Comply with requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes, and details of construction.
  - 2. Produce smooth, even, level sign panel surfaces, constructed to remain flat under installed conditions.
- B. Frameless Panel Signs: Fabricate signs with edges mechanically and smoothly finished to conform with the following requirements:
  - 1. Edge condition: Square cut.
  - 2. Corner condition: Corners rounded.
- C. Backing: Permanently laminate face panels to backing sheets of material and thickness indicated using the manufacturer's standard process where required by fabricating process or mounting methods, or where otherwise indicated.
- D. Panel Sign Copy Process and Materials:
  - 1. Raised copy: Machine-cut copy characters from matte-finished opaque acrylic sheet and chemically weld onto the acrylic sheet forming sign panel face. Produce precisely formed characters with square cut edges free from burrs and cut marks.

- a. Panel material: Matte-finished clear acrylic with opaque color coating subsurface applied.
- b. Raised copy thickness: 1/16 inch.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

#### A. General:

- 1. Locate sign units and accessories where indicated, using mounting methods of the type described and in compliance with the manufacturer's instructions.
- 2. Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.

#### B. Wall-Mounted Panel Signs:

- 1. Attach panel signs in accordance with manufacturer's instructions and using mounting methods indicated.

### 3.2 CLEANING AND PROTECTION

- A. After installation, clean soiled sign surfaces according to the manufacturer's instructions. Protect units from damage until acceptance by the Owner.

END SECTION 10425



## SECTION 10522 - FIRE EXTINGUISHERS, CABINETS, AND ACCESSORIES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. Work Included:
  - 1. Portable fire extinguishers.
  - 2. Fire extinguisher mounting brackets.

#### 1.3 REFERENCES

- A. Fire Protection Equipment Directory; Underwriters Laboratories Inc. (UL); 1993.
- B. FM P7825 -- Approval Guide 1992; Factory Mutual System; 1992 (with Supplement I).
- C. NFPA 10 -- Standard For Portable Fire Extinguishers; National Fire Protection Association; 1990.

#### 1.4 SUBMITTALS

- A. Product Data: Manufacturer's data showing compliance with contract documents.
- B. Certification: Installer shall submit written certification that the fire extinguishers installed comply with the contract documents and are fully and correctly charged.

#### 1.5 QUALITY ASSURANCE

- A. Provide only fire extinguishers which comply with NFPA 10.
- B. Labels: Provide only fire extinguishers which are listed and labeled by Underwriters Laboratories Inc., or Factory Mutual System.

## 1.6 PROJECT CONDITIONS

- A. Do not deliver or install extinguishers until just before substantial completion.
- B. Do not use permanent fire extinguishers for construction period fire protection.

## PART 2 - PRODUCTS

### 2.1 FIRE EXTINGUISHERS

- A. Manufacturers: Provide products complying with requirements of contract documents and made by one of the following:
  - 1. Fire extinguishers:
    - a. Walter Kidde, The Fire Extinguisher Co.
    - b. Potter-Roemer.
    - c. Larsen's Manufacturing Company.
- B. Fire Extinguisher FE - 1 :
  - 1. Potter-Roemer Model 3010.
  - 2. Rating: 4A:60B:C
  - 3. Type: Multipurpose dry chemical (ammonium phosphate).
    - a. Stored pressure type.
  - 4. Cabinet mounted and wall mounted.
- C. Identification of Wall-Mounted Fire Extinguishers: Provide manufacturer's standard vinyl decal on wall above extinguisher.
- D. Brackets: Provide wall bracket for each wall-mounted extinguisher.

### 2.2 CABINETS AND CABINET ACCESSORIES

- A. Manufacturers: Provide products complying with requirements of contract documents and made by one of the following:
  - 1. Cabinets and accessories:
    - a. J.L. Industries.
    - b. Larsen's Manufacturing Company.
    - c. Potter-Roemer Division/Smith Industries, Inc.
- B. Cabinets:
  - 1. Product: Model No. 7020-A-10-VW; Potter-Roemer.
    - a. Provide fire rated cabinets when installed in fire rated walls.

- b. Products of other manufacturers, provided they comply with requirements of contract documents, will be considered for substitution.
- C. Hinges: Provide hinges for each door; concealed or continuous type; allow full 180 degree opening of door.
  - 1. Exposed hinges: Finish to match door.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Perform installation in accordance with the manufacturer's instructions except where more stringent requirements are shown or specified, and except where project conditions require extra precautions or provisions to ensure satisfactory performance of the work.
- B. Locate extinguishers as directed by local officials.
- C. Install brackets for wall mounted extinguishers at height necessary to place the top of the extinguisher at 48 inches above finish floor.
- D. Locate cabinets as directed by local officials.
- E. Install so that top of cabinet is 48 inches above finish floor.
- F. Install extinguishers.

### 3.2 OWNER PERSONNEL INSTRUCTION

- A. Instruct designated personnel of owner in:
  - 1. Operation of extinguishers.
  - 2. Frequency of inspection and maintenance.
  - 3. Procedures for inspection and maintenance.
  - 4. Designation of inspection and maintenance entity.

END OF SECTION 10522



## SECTION 10550 - POSTAL SPECIALTIES

### PART 1 – GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract from the front of the Specification book, including General Conditions and Supplementary General Conditions, apply to this Section.

#### 1.2 DESCRIPTION OF WORK:

- A. Extent of postal specialties is indicated on drawings.
- B. Postal specialties include the following:
  - 1. Front loading 4C mailbox cluster.
  - 2. Directory.
  - 3. Key Keeper.

#### 1.3 QUALITY ASSURANCE:

- A. Manufacturer: Provide products of manufacturers which are approved by U.S. Postal Service when mail system is serviced by USPS.
- B. In addition to requirements of these specifications, comply with manufacturer's instructions and recommendations for preparation of substrate, installation of anchors, and application of postal specialties units.
- C. Requirements of Regulatory Agencies: Comply with U.S. Postal Service requirements for construction and installation of units serviced by USPS carriers.

#### 1.4 SUBMITTALS:

- A. Product Data: Submit manufacturer's technical data and installation instructions for postal specialties units required.
- B. Provide manufacturer's certification that equipment proposed conforms to U.S. Postal Service regulations and has been approved by the Postmaster General.

- C. Samples: Submit samples, of each color and finish of exposed materials and accessories required for postal specialties.
  - 1. Submit one full-size sample of each type of mail box units.  
Acceptable samples may be incorporated in work.
- D. Shop Drawings: Submit shop drawings for fabrication and erection of postal specialties. Include plans, elevations and large scale details. Show anchorages and accessory items. Provide location template drawings for items supported or anchored to permanent construction.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURER:

- A. Subject to compliance with requirements, provide products from the following manufacturer:
  - 1. Auth-Florence Manufacturing.
  - 2. Salisbury Industries

### 2.2 HORIZONTAL STYLE MAIL BOXES:

- A. General: Auth-Florence 4C Suite F Front Loading Cluster Box Units (CBU) models.
  - 1. Refer to drawings for models, configuration and number of units.
- B. Manufacturer's standard unit, with solid closure and positive latching mechanism.
  - 1. Locking: Construct unit to receive Arrow lock provided by local postmaster for use by letter carrier.
- C. Mail Compartments: Manufacturer's standard unit, heavy metal construction. Finish units as follows:
  - 1. Aluminum: natural anodized finish.
- D. Compartment Doors: Furnish box doors to suit type of frame and loading method.
  - 1. Material: Extruded aluminum.
  - 2. Identification: Provide manufacturer's standard identification labels.
  - 3. Locking: Provide manufacturer's standard locking system that complies with the current US Postal Services requirements. Deliver box keys and master keys to Owner's representative, with record of each corresponding lock and key numbers.

2.3 CLUSTER BOX UNIT:

- A. Provide a total of four 4CFT2-20 cluster units and two 4CFT1-9 unit.
  - 1. Building 1: Two 20 CBUs and one 9 CBU.
  - 2. Building 2: Two 20 CBUs and one 9 CBU.

2.4 KEY KEEPER:

- A. General: Auth-Florence Model KKR with SMKK surface mounted collar.
  - 1. One for each building main entrance door.
  - 2. Finish: Aluminum, natural anodized finish.
  - 3. Coordinate location to be with in reach of entry door lock.

2.5 DIRECTORY:

- A. General: Auth-Florence Directory D400-A.
  - 1. Finish: Aluminum, natural anodized finish.
  - 2. Confirm unit can accommodate more than 44 entries.

PART 3 - EXECUTION

3.1 INSTALLATION:

- A. Install units complying with manufacturer's instructions and final drawings.
- B. Final acceptance will be contingent upon compliance with U.S. Postal Service requirements.

3.2 CLEANING:

- A. Clean units following manufacturer's recommendations.

END OF SECTION 10550





## SECTION 10 73 50 – BIKE RACKS

### PART 1 – GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract from the front of the Specification book, including General Conditions and Supplementary General Conditions, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Bicycle Rack for multiple bikes.
    - a. Refer to floor plans for location and quantity.
  - 2. Bike Rack to hang a single bike.
    - a. Provide two per parking space with wall at the head end of parking space except parking spaces with a window in the wall.

#### 1.3 REFERENCES

- A. ASTM A 36 - Standard Specification for Carbon Structural Steel.
- B. ASTM A 123 - Standard Specification for Zinc (hot-dip galvanized) Coatings on Iron and Steel Products.
- C. ASTM A 53 - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.

#### 1.4 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- B. Shop Drawings: Complete details of layout and assembly, showing member sizes and part identification, fasteners, anchors, and fittings.
- C. Selection Samples: Color selections shall be made from the manufacturer's brochure representing manufacturer's full range of available colors and patterns.

## 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum of 15 years experience manufacturing site furnishings.
- B. Installer Qualifications: Minimum of 5 years experience assembling and installing site furnishings.

## 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store components off the ground in a dry covered area, protected from adverse weather conditions.

## 1.7 WARRANTY

- A. The structural integrity of all site furnishings shall be warranted for a period of 5 years from date of delivery against defects in materials and workmanship except for finishes of any kind.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURERS

- A. Subject to compliance with requirements, provide products from the following manufacturerS:
  - 1. Bicycle Rake for multiple bikes: Canterbury Designs, Inc.
  - 2. Bike Rack to hang a single bike: Delta Leonardo.

### 2.2 BYCICLE RAKE FOR MULTIPLE BIKES:

- A. Product.
  - 1. Model: Spiral Modified Bicycle Rack.
  - 2. Size: To accommodate number of bikes noted on plan.
  - 3. Material: Galvanized Steel.
  - 4. Provide fasteners and accessories for complete, secure installation.

## 2.3 BIKE RACK TO HANG A SINGLE BIKE:

- A. Product.
  - 1. Model: Delta Leonardo Rack with DaVinci Tray.
  - 2. Finish: Manufacturer's standard.
  - 3. Provide fasteners and accessories for complete, secure installation.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

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

### 3.2 INSTALLATION

- A. Install complying with manufacturer's instructions and final drawings.
- B. Surface mounting. Locate and drill holes for anchor bolts.

### 3.3 CLEANING

- A. Clean products following manufacturer's recommendations.

### 3.4 PROTECTION

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

END OF SECTION



## SECTION 10800 - TOILET AND BATH ACCESSORIES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Toilet paper dispensers.
  - 2. Combination towel dispenser/waste receptacles.
  - 3. Grab bars.
  - 4. Soap dispensers.
  - 5. Shower curtain rods.
  - 6. Towel bars.
  - 7. Robe hooks.
  - 8. Mirrors.
- B. Related Sections:
  - 1. Ceramic tile bath and shower accessories: Division 9.
  - 2. Wood anchor reinforcement in walls: Division 6.

#### 1.3 SUBMITTALS

- A. Product Data: Written technical information for each accessory specified.
- B. Certificates: Submit certification that work complies with requirements of contract documents.
- C. Qualifications Statements: Submit statements indicating compliance with qualifications requirements specified under "Quality Assurance."

#### 1.4 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: A company regularly engaged in manufacture of products specified in this section, whose products have been in satisfactory use, under similar service conditions, for not less than 5 years.

- B. Installer's Qualifications: A company regularly engaged in installation of products specified in this section, with a minimum of 5 years of experience.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Execute product manufacturer's special instructions to prevent damage to products. Store products in manufacturer's original shipping containers.

#### 1.6 COORDINATION

- A. Use manufacturer's instructions and data to determine anchorage requirements for products specified. In a timely manner, distribute the following to affected installers of related work:
  1. Components and anchorage devices provided by toilet accessory manufacturer for incorporation into other work.
  2. Coordination data including setting drawings, templates, instructions, etc., for cutouts and installations.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. For each distinct type of toilet accessory, provide accessories fabricated by a single manufacturer.
- B. All model numbers specified are products of Gamco.
- C. Alternate manufacturers: A. J. Washroom Accessories, Inc., American Specialties, Inc, Bobrick and Bray and Krause.

#### 2.2 TOILET ACCESSORIES

- A. Refer to the drawings for all bathroom accessories model numbers.

#### 2.3 SHOWER DOOR AND PANEL

- A. Manufacturer: Century Bathworks, Inc.
- B. Manufactured Units
  1. Configuration: 2'-6" Door and Panel, Frameless.
  2. Height: 6'-8"
  3. Glass: 3/8" Aquatic.
  4. Header: Glasstec Header
  5. Hardware: GAPW-1627, Wall Channel, Stationary, 8" Bow.

6. Hardware Finish: Polished Chrome.

#### 2.4 MEDICINE CABINET

- A. Manufacturer: American Pride Medicine Cabinets
- B. Manufactured Units
  - 1. Model: Harmony 16'x22", ST9926WB.
  - 2. Steel Body with Glass Shelves.
  - 3. Hinge: Piano.
  - 4. Magnetic catch.

#### 2.5 BATHROOM MIRROR

- A. Manufactured Units
  - 1. Polished glass mirror with wood frame to match existing mirror in model unit.
  - 2. Blind mounting to wall.

#### 2.6 MATERIALS

- A. Mounting Devices and Fasteners: Provide toilet accessory manufacturer's recommended items for substrates and conditions indicated.

#### 2.7 FABRICATION

- A. Manufacturer's Trademarks and Model Numbers: Neither name nor trademark of manufacturer is acceptable on exposed surfaces of accessories. Provide manufacturer's name and model number on stamped plate or waterproof label securely affixed to unexposed surface of accessory.
- B. Surface Mounted Accessories: Where possible, design accessory to provide concealed anchorage when installed. Precisely-fit seams and joints. Roll exposed edges unless indicated otherwise. Use full-length stainless steel piano-type hinges for access doors and panels.
- C. Recess Mounted Accessories: Design accessories to provide concealed anchorage when closed. Weld all joints. Precisely miter corners where indicated. Use full-length stainless steel piano-type hinges for access doors and panels.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Accessory Locations: Coordinate accessory locations with other work to avoid interference and to ensure proper operation and servicing of accessories. Notify the architect in writing of any conflicts concerning product placement, for resolution. Do not proceed without resolution.
- B. Correct unsatisfactory substrate conditions before start of accessory installation.

### 3.2 PREPARATION

- A. Clean surfaces to receive accessories. Protect surrounding elements from damage during accessory installation.

### 3.3 INSTALLATION

- A. Perform installation in accordance with manufacturer's instructions, except where more stringent requirements are shown or specified, and except where project conditions require extra precautions or provisions to ensure satisfactory performance of the work.
- B. Provide plumb, level accessory installations.
- C. Securely attach accessories to substrate.
- D. Accessories Installed for Use by Handicapped Persons: Install as indicated on drawings.

### 3.4 ADJUSTING

- A. Adjust accessories as required to provide smooth operation and trouble free servicing.

### 3.5 CLEANING

- A. Clean and polish exposed surfaces of accessories using accessory manufacturer's recommended procedures and cleaning agents.

### 3.6 PROTECTION

- A. Provide coverings as required to protect installed accessories.

END OF SECTION 10800