

DIVISION 10
SPECIALTIES

SECTION 10A:
MISCELLANEOUS ITEMS

TOILET ACCESSORIES AND MIRRORS

Furnish and install the toilet accessories as shown and noted on the drawings. Toilet accessories shall be Bobrick, Bradley, American Dispenser Company, or approved equal.

FIRE EXTINGUISHERS

Furnish and install where shown on the drawings, fire extinguishers with cabinets – five (5) pound capacity UL rated 2A10BC. *See drawings for mounting.* All shall be contained in cabinets where shown on drawing. Recessed cabinets shall be installed in all finished areas. Surface mounted cabinets shall be installed in mechanical spaces. Cabinet shall be equal to J.L. Industries Academy series with bronze anodized aluminum finish, glazed with ¼" clear acrylic. Equal products of Larsen or Moon will be accepted.

FIRE EVACUATION MAPS

The Architect will furnish drawings that show the generalized building plan with evacuation routes. These shall be reproduced in ES Plastic, Graphic Blasted. These shall be approximately 12" wide by 10" high. There shall be a total of two (2) of these signs located as directed by the Architect.

CORNER GUARDS – in kitchen and office areas

Furnish and install corner guards equal to American Floor Products, Inc. Model Space "the invisible" corner guard (CG-2145) size ¾ x ¾ 8'-0" high. These shall be installed on all outside corners in the Corridor's between the various class rooms.

ALUMINUM FLOOD BARRIER

GENERAL:

Description

Work included: Provide flood barrier(s) factory assembled with frame(s) and hardware in accordance with the contract documents at the two (2) toilets on the ground level.

Standards

Comply with the provisions of (as applicable):

1. AWS Structural Welding Code D1.
2. ASME Structural Welding Code Section 1X.

3. QA program that is registered to ISO 9001-2000.

Submittals:

Manufacturers Data: Submit installation and maintenance instructions for flood barriers.

Shop Drawings: Submit shop drawings for flood barriers including dimensioned plans and elevations, sections, connections and anchorage, and parts list.

Qualifications:

Experience: The manufacturer of the flood barrier(s) shall present evidence attesting to at least five (5) years of successful experience in the design and manufacture of both the flood barrier and flood barrier seal of the type specified.

PRODUCTS:

Flood barrier shall be Model CGSL as manufactured by Presray Corporation.

Materials:

1. Stop Logs: Presray PR17481 6063T5 aluminum channels.
2. Conversion Frame: Jambs low carbon steel, sill aluminum.
3. Finish: Stop logs aluminum; steel jambs brush-off blast clean per SSPC-SP7, primed with one coat Sherwin Williams Kem Flash rust inhibitive, lead free, red primer E61-R-26, or equivalent.
4. Gaskets: Presray type PR 18085 low compressed set gaskets mechanically retained in the stop logs; PR17496 low compression set gaskets on jambs.
5. Hardware: 18-8 stainless steel fasteners stored in place on stop log components (no losses parts).

Design

1. Stop logs shall be designed with a minimum 2:1 factor of safety based on material yield strength, and shall provide an effective seal against the design flood level.
2. Frame shall have mounting holes for expansion anchors and bolts (options available include epoxy anchors for block walls, and studs for embedment in concrete).

EXECUTION

Installation

Install flood barriers in accordance with manufacturer's instructions and approved shop drawings.

ISOKERN MAGNUM 48" FIREPLACE

1. MANUFACTURER

- a. Isokern Fireplace and Chimney Systems, North America distribution by Earthcore Industries, Inc., Jacksonville, Florida (800-642-2920).

2. PRODUCT DESCRIPTION

- a. Modular refractory masonry precast fireplace and chimney components
 - i. Designed for field assembly as a fireplace and chimney unit.
 - ii. All interlocking parts necessary for assembly of a complete firebox and smoke dome.
 - iii. Interlocking double module chimney components.

3. MATERIALS

- a. Light weight concrete of a proprietary mixture of Icelandic volcanic aggregate and cement for precast firebox, chimney block and flue liner components.
 - i. Compressive Strength: Firebox and Chimney block: 972 psi
 - ii. Compressive Strength: Flue liner: 1175 psi
- b. Premixed (dry) Earthcore Adhesive
 - i. Tested per ASTM C109, ASTM C307, and ANSI 118.4
- c. Standard 1 1/8" medium duty refractory brick to line firebox interior.
- d. Standard cast iron poker-style damper.

4. INSTALLATION

- a. Reference manufacturer's installation instructions for standard configurations, weights, sizes and installation details.
- b. Suitable masonry foundation and noncombustible hearth extensions must be provided.
- c. Unit to be assembled on site per manufacturer's illustrated instructions.
 - i. Premixed Earthcore Adhesive is used at all joints between components.
 - ii. Firebox to be lined with a minimum 1 1/8" rated firebrick.
- d. Magnum fireplace and chimney units listed for "zero clearance" to uninsulated wood framing members.
- e. A 1 1/2" minimum clearance envelope to combustible materials is recommended.
- f. A 3" minimum clearance envelope to insulation required.

5. CERTIFICATION

- a. Warnock Hersey/Intetek Testing Services Report No. 632-912500
- b. Meets or exceeds U.L. 103HT; U.L. 127-99; U.L. 1777; U.L.C. 5610; ANSI 2.11

6. CODE COMPLIANCE

a. I.C.B.O. No. 5017 / LARR #2823 / MEA N.Y.C. 241-90-E / ICCER 5017

CHIMNEY POTS

Chimney pot shall be equal to vitrified clay chimney pot as manufactured by Superior Clay Corporation of Uhrichsville, Ohio 44683 (800-848-6166). Model shall be York (33" tall) with no crown.

Installation shall be in strict compliance with manufacturer's recommendations.

ARCHITECTURAL LOUVERS

The louvers in the dormers shall be equal to Architectural Louvers Model E4WH. It shall be a four (4) inch deep louver with two (2) inch blade spacing, an internal insect screen and a drainable chevron blade. It shall have 95% effectiveness against wind driven rain up to 1145 fpm free area velocity, a 20 psf wind load rating and wind driven rain performance rated to 50 mph wind at eight (8) inch rainfall rates. Finish shall be Kynar 500, chosen by the Architect, from the manufacturer's standard colors.

DUMB WAITER

Furnish and install a dumbwaiter equal to Inclinator Company of America's Model DW-200. Capacity shall be 200 lbs, speed: 33 fpm, size 30" x 30" x 30". Core construction shall be standard auto steel, suspension means: 1 wire rope 5,700 TS imp. Plow steel 1/4" x 8" x 19wsc.

PROXIMITY READER ACCESS CONTROL AND MEGA ARM GATE OPERATOR AND GATE (ALTERNATE # 4)

Furnish and install three (3) heavy duty, high powered, D.C. powered barriers, gates operators with built in battery back-ups equal to Chamberlain Liftmaster Model MA. Each gate operators will have two (2) card readers equal to Door King Inc., 1520 Card Reader Access Controls. These card readers shall be interlocked with the gate operators and shall be mounted on a two (2) tier gooseneck at each barrier gate. Each access control system (three (3) locations) shall be provided with an exit loop and safety loop at the gate. Each location shall include gate, gate operator, and access control systems.