

SECTION 10523**FIRE EXTINGUISHERS, CABINETS AND ACCESSORIES****PART 1 GENERAL****1.01 SECTION INCLUDES**

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

1.02 RELATED REQUIREMENTS

- A. Section 06100 - Rough Carpentry: Wood blocking product and execution requirements.

1.03 REFERENCE STANDARDS

- A. NFPA 10 - Standard for Portable Fire Extinguishers; 2010.
- B. UL (FPED) - Fire Protection Equipment Directory; Underwriters Laboratories Inc.; current edition.

1.04 SUBMITTALS

- A. See Section 01300 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate cabinet physical dimensions and rough-in measurements for recessed cabinets.
- C. Product Data: Provide extinguisher operational features and color and finish.
- D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.05 FIELD CONDITIONS

- A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS**2.01 MANUFACTURERS**

- A. Fire Extinguisher Cabinets and Accessories:
 - 1. JL Industries, Inc: www.jlindustries.com.
 - 2. Larsen's Manufacturing Co: www.larsensmfg.com.
 - 3. Substitutions: See Section 01600 - 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 UL for the purpose specified and indicated.
- B. Dry Chemical Type Fire Extinguishers: Product Cosmic; multi-purpose chemical: Carbon steel tank, with pressure gage.
 - 1. Class: A:B:C.
 - 2. Size: 10 pound.
 - 3. Finish: Baked polyester powder coat, Red color.

2.03 FIRE EXTINGUISHER CABINETS

- A. Metal: Formed primed steel sheet; 0.036 inch thick base metal.
- B. Provide and install UL listed fire rated cabinets, matching required rating of partition, when shown to be installed in a rated partition.
- C. Cabinet: Product; Ambassador Series Model No. 2017, Semi-recessed rolled edge.
 - 1. Sized to accommodate accessories and extinguisher.
 - 2. Trim: Returned to wall surface, with 2 1/2 inch projection, 1-3/4 inch wide face.
 - 3. Form cabinet enclosure with right angle inside corners and seams.
- D. Door: Vertical Duo with pull handle: Formed 5/8 inch nominal thick, reinforced for flatness and rigidity; latch. Hinge doors for 180 degree opening with continuous piano hinge. Provide roller type catch.
- E. Door Glazing: Glass, clear, 1/8 inch thick tempered. Set in resilient channel gasket glazing.
- F. Cabinet Mounting Hardware: Appropriate to cabinet. Pre-drill for anchors.
- G. Weld, fill, and grind components smooth.
- H. Finish of Cabinet Exterior Trim and Door: Baked enamel, white color.
- I. Finish of Cabinet Interior: Baked enamel, white.

2.04 ACCESSORIES

- A. Extinguisher Brackets: Those recommended by the manufacturer and compatible with extinguisher.
- B. Graphic Identification: FIRE EXTINGUISHER; red vertical decal.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install extinguishers and cabinets so that height of top of extinguisher handle is at 48 inches above finished floor.

END OF SECTION

SECTION 10552**MAIL BOXES****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Grouped mail boxes located indoors.

1.02 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: In-wall blocking.
- B. Section 09260 - Gypsum Board Assemblies.

1.03 SUBMITTALS

- A. See Section 01300 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog data for specified products.
- C. Shop Drawings: Prepared specifically for this project; show dimensions of mail boxes, wall cuts, and interface with other products.

1.04 QUALITY ASSURANCE

- A. Comply with United States Postal Service Regulations.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Inspect the materials upon delivery to assure that specified products have been received.
- B. Store materials protected from exposure to harmful weather conditions.
- C. Handle materials to prevent damage or marring of finish.

PART 2 PRODUCTS**2.01 MANUFACTURERS**

- A. Salsbury Industries
- B. Substitutions: See Section 01 6000 - Product Requirements.
- C. Provide all mail boxes from a single manufacturer.

2.02 MAIL BOXES

- A. Mail Boxes: High security vault type horizontal style, USPS approved, recessed with factory installed trim.
 - 1. Model: Front loading, 3709D-10AFU
 - 2. Doors: 1/8 inch solid aluminum.
 - a. Interlocking device on hinge side to prevent insertion of prying tools.
 - b. Vertical barrier on latch side to prevent access.
 - 3. Locks: 5-pin cylinder lock with three latching points on each unit; 3 keys each lock.
 - 4. Box Identification: Standard 2" wide x 5/8" high clear plastic card holder, card included.
 - 5. Finish: Aluminum.

PART 3 EXECUTION**3.01 EXAMINATION**

- A. Verify that openings in wall are correctly located, aligned, and sized for mail boxes.
- B. Installer's Examination:
 - 1. Examine conditions under which construction activities of this section are to be performed;

- submit written notification if such conditions are unacceptable.
- 2. Transmit two copies of installer's report to Architect.
- 3. Beginning installation indicates acceptance of conditions.

3.02 INSTALLATION

- A. Install mail boxes in accordance with shop drawings and manufacturer's printed installation instructions.
- B. Align, plumb, and level; anchor in accordance with requirements.

3.03 ADJUSTING

- A. Adjust doors and locks to operate correctly.

3.04 PROTECTION OF INSTALLED PRODUCTS

- A. Protect finishes from damage by subsequent construction activities.

END OF SECTION

SECTION 11020**KNOX-BOX****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Knox-Box rapid Entry System.

1.02 RELATED SECTIONS

- A. Section 07900 - Joint Sealers: Exterior Joint Sealers.

1.03 REFERENCES

- A. FM P7825 - Approval Guide; Factory Mutual Research Corporation; current edition.

1.04 SUBMITTALS

- A. See Section 01300 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide cut sheets and Manufactures information.
- C. Manufacturer's Instructions: Indicate installation instructions.
- D. Warranty: Submit manufacturer warranty.

1.05 QUALITY ASSURANCE

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

1.06 WARRANTY

- A. See Section 01780 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.

PART 2 PRODUCTS**2.01 MANUFACTURERS**

- A. Knox-Box; series #3200, recessed, hinged door model.
- B. Substitutions: See Section 01600 - Product Requirements.

2.02 MATERIALS

- A. Material A: 1/4" plate steel housing, UL Listed.
- B. Material B: 1/2" thick steel door with integrated gasket seal and stainless steel door hinge.

2.03 COMPONENTS

- A. Lock: UL Listed. Double-action rotating tumblers and hardened steel pins accessed by a biased cut key.
 - 1. Lock to be keyed to match access by local fire department.
 - 2. 1/8" thick stainless steel dust cover.

2.04 FABRICATION

- A. Aluminization for further rust and corrosion protection.

2.05 FACTORY FINISHING

- A. Knox-Coat proprietary finish.
 - 1. Color: Black.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that site conditions and rough opening are correct and ready for installation.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

3.03 CLEANING and PROTECTION

- A. Clean box after installation..
- B. Protect installed box from subsequent construction operations.

END OF SECTION