



# City of Cambridge

Purchasing Department

Cynthia H. Griffin  
*Purchasing Agent*

TO: ALL BIDDERS

FROM: CITY OF CAMBRIDGE

DATE: MAY 10, 2010

RE: IMPROVEMENTS TO CITY CLERK & PUBLIC WORKS ARCHIVE  
VAULTS – FILE NO. 5206

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Please note the attached Vault Door specifications that was inadvertently omitted.

All other particulars remain unchanged.

  
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CYNTHIA H. GRIFFIN  
PURCHASING AGENT

ADDENDUM NO. 1



Section 11023  
VAULT DOORS

**PART 1 – GENERAL**

1.1 SECTION INCLUDES

- A. Furnish and install a 6 hour UL rated prefabricated insulated vault door.

1.2 RELATED REQUIREMENTS

- A. Section 03300 – CAST-IN-PLACE CONCRETE: New concrete slab at door, refer to notes on Drawings for concrete specifications.
- B. Section 04200 - UNIT MASONRY: Widening of existing opening for new vault door, building-in of vault door support inserts.
- C. Section 05500 - METAL FABRICATIONS: steel lintels and support beams.
- D. Section 07900 - JOINT SEALERS.
- E. Section 09281 - PLASTER PATCHING AND REPAIR: Plaster fireproofing.

1.3 REFERENCES

- A. Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01420 - REFERENCES. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.
  - 1. ASTM A 264 - Stainless Chromium-Nickel-Steel Clad Plate, Sheet and Strip.
  - 2. Underwriters Laboratory (UL) requirements for certifications.
  - 3. NFPA standard 232 - File-Room Doors .
  - 4. All applicable federal, state and municipal codes, laws and regulations regarding design and fabrication of vault doors for municipal file storage rooms.

1.4 SUBMITTALS

- A. Submit the following under provisions of Section 01330 - SUBMITTAL PROCEDURES:
  - 1. Literature: Manufacturer's product data sheets, specifications, performance data, finish options, and unit dimensions.
  - 2. Manufacturer's erection and installation instructions: Indicate special procedures, perimeter conditions requiring special attention.
  - 3. Certification: Manufacturer's written certification stating that the materials installed, meet or exceed the requirements specified under this Section; and that all requirements for the indicated Labels have been met.
  - 4. Shop drawings:
    - a. 1/4 inch scale elevations and plan.
    - b. Large scale design details of layout showing complete installation details.

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- 5. Manufacturer's maintenance instructions: Indicated cleaning and maintenance procedures for, vault door hardware.
- 1.5 QUALITY ASSURANCE
  - A. Manufacturer specializing in fabricating the work of this Section with a minimum of 10 years documented experience.
- 1.6 REGULATORY REQUIREMENTS
  - A. Obtain certificate of compliance from authority having jurisdiction indicating approval of installed vault door.
- 1.7 CHANGES IN THE WORK
  - A. Bear all costs incurred for changes in the work from that shown on the Contract Drawings, due to the requirements of the particular equipment furnished hereunder.
- 1.8 DELIVERY, STORAGE AND HANDLING
  - A. Deliver doors and frames palleted, wrapped or crated to provide protection during transit and job storage.
  - B. Accept vault door on site and inspect on arrival for damage. Protect unit from dust, water, and physical damage.
  - C. Arrange keying, and schedule delivery of keys, with Owner.
- 1.9 WARRANTY
  - A. Provide 3 year warranty under provisions of Section 01700 - CONTRACT CLOSEOUT. Warranty shall include repair of faulty vault door unit.

**PART 2 - PRODUCTS**

- 2.1 MANUFACTURER AND TYPE
  - A. Specified Manufacturer (Basis of Design): To establish a standard of quality and kind of material desired, vault doors units shall be 6 hour rated as manufactured by Diebold Inc., North Canton OH., model 1864 having a clear door opening of 40 inches by 78 inches.
  - B. Acceptable Manufacturers: Subject to compliance with the requirements specified herein, manufacturers offering products which may be incorporated in the work include the following, or approved equal:
    - 1. Diebold Inc., North Canton OH.
    - 2. Schwab Corporation, Lafayette, IN.
    - 3. Or Equal - Acceptable Substitutions: The products specified herein establish standards of quality, design and function desired. Under provisions of Massachusetts General Laws, Chapter 149, other equal products not named herein, may be considered for acceptance as an equal by the Architect upon submission of complete product information as described in Section 01630 - PRODUCT SUBSTITUTION PROCEDURES. Further additional information may be requested by the Architect for determination that the proposed product substitution is fully equal to the specified product(s). There is no guarantee

that proposed substitutions will be approved, and the Contractor is hereby directed not to order any materials until said approval(s) are received in writing.

- a. Requesting substitutions is at the Contractor's own risk, with regard to uncompensated delays of the Project. Time is required for sufficient review and additional requests for information. Delays of work which result from substitution reviews and resubmissions are not grounds for additional time or cost change orders, and will not be considered by the Awarding Authority.
- C. Door Size and bolting: Nominally 4-7/8 inches thick with clear opening of 78 inches high by 40 inches wide. Coordinate installation details with wall thickness indicated on Drawings.
    1. Door will be locked with 10 live bolts, each 11/16 inches in diameter, located five on each side of door. All exposed boltwork shall be nickel-plated and permanently lubricated.
    2. Bolts will be checked by a three-tumbler group II key change combination lock equipped with UL relocking device to reset lock bolt if lock is damaged by tool attack. A second UL relocking device will automatically deadlock door bolts in case of tool or torch attack.
  - D. Escape mechanism: Equip door with inside escape mechanism.
  - E. Hinges: Roller throat bearing type. Provide stainless steel hinge covers.

## 2.2 FINISHES

- A. Hardware: chrome/nickel plating, satin finish.
- B. Stainless steel: Number 4 satin finish.
- C. Finish: Natural textured baked-on textured enamel in manufacturer's standard color (gray, charcoal, forest green or tan), as selected by Architect.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Inspect all surfaces and verify that they are in proper condition to receive the work of this Section. Verify that roughed-in ductwork is ready to receive work, and clear dimensions are as indicated on shop drawings. Verify that electric power is available and of the correct characteristics

### 3.2 INSTALLATION

- A. Install vault door frame and door, plumb and level per tolerances specified herein, in accordance with the manufacturer's written instructions, and in accordance with standards required by authority having jurisdiction.
  1. Provide masonry anchorage devices where required or securing frames to masonry construction. Set devices in accordance with approved shop drawings.
  2. Place frame and brace in place until wall construction is completed. Remove temporary braces and spreaders leaving surfaces smooth and undamaged.

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3.3 TOLERANCES

- A. Maximum variation from true position 1/16 inch with a maximum of 1/32 inch offset from true alignment with adjoining surfaces intended to be flush.

3.4 ADJUSTING

- A. Adjust door and operating hardware components to ensure proper working order and conditions.

3.5 CLEANING

- A. Wash, and clean components of vault door after installation of the unit, including all interior and exterior surfaces. Polish hardware and accessories.

End of Section