



DIVISION 080000 OPENINGS

1. GENERAL

A. Contractor shall be responsible for retaining and re installing existing door bells, door alarms, handicapped door openers and other door accessories on all door replacement installations. Contractor will verify these items are in working condition before the job is considered complete.

B.

2. Fire rated doors shall have a removable mullion in lieu of vertical rod. The central mullion must be removable.

HOLLOW METAL DOORS AND FRAMES

Frames on campus should be hollow metal unless matching existing wood

Hollow metal doors should only be used for vertical applications. All doors shall be formed with frame. Corners and connections shall be mitered and continuously welded with exposed welds ground smooth.

C. Fire Rated Doors and Frames. Doors and frames designated to be fire rated shall bear the label of a recognized independent testing laboratory indicating the applicable fire rating. Fire rated doors and frames shall be constructed and installed in accordance with NFPA 80. Fire rating door labels shall be installed on the hinge side only and shall not be tampered with, removed or painted over at any time. Fire rated doors shall have fire rated frames and hardware.

D. Finish: Doors and frames shall have factory applied coat of rust inhibitive primer. Coordinate with section 090000 FINISHES for paint color guidelines.



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SECTION 081400 WOOD DOORS

1. GENERAL

A. Typically, wood doors shall be used for interior doors.

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- D. Finish for aluminum entrances and storefronts shall be clear anodized, white, or dark bronze to match existing building. Final finish selection to be approved by TTU representative.

SECTION 085313 VINYL WINDOWS

1. GENERAL

- A. Windows on new buildings and renovations shall complement the prevailing architectural style across campus. Renovations may refer to original building design for replication of original style and proportions.
- B. Provide windows rated for heavy commercial use.

2. PRODUCTS

- A. Provide fiberglass mesh screens for all operable sashes.
- B. Finish should be white or to match existing building. Coordinate with TTU Representative.
- C. All windows shall receive Low E coating.
- D. All operating hardware to be metal.

3. EXECUTION

- A. Contractor shall provide TTU with all operating instructions, manufacturer product and warranty information, and specialized tools related to window operations and maintenance after installation is complete.

SECTION 087000 HARDWARE

1. GENERAL

- A. In renovation projects, specify hardware which matches the existing hardware for type of function, appearance, trim, and finish, except where other overriding considerations such as handicapped accessibility require deviations. The Designer must determine the existing conditions and specify materials which match those conditions. Requiring the contractor to "match existing where required" is unacceptable.
- B. All hardware shall be brought up to current ADA standards when spaces are renovated.
- C. All hardware items shall utilize appropriate fasteners provided by the manufacturer.
- D. Warranty: Furnish a written guarantee against defective materials and workmanship for a period of ten (10) years for door closers and mortise lock/latches, seven (7) years for HD cylindrical locks/latches, five (5) years for exit hardware, and two (2) years for the remainder of the hardware.



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required by job conditions. Indicate in hardware schedule all doors requiring parallel arm, flush mount or top jamb brackets

7. Where closers are indicated to be smoke check, provide units with integral electro magnetic holder mechanism designed to hold door in open position under normal usage and to release



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8. At the completion of the project, Owner shall remove the construction core key system and return the construction cores to the Contractor. Permanent cores and keys shall be delivered directly from Best Access Systems to the Owner.

G. STOPS.

1. TTU prefers that all door stops shall be wall stops, either convex or concave with proper anchorage and blocking as required. Where two interfere with one another, stops shall be coordinated. Only where wall stops are not practical, use floor stops of proper height as required. Consideration should be given to placement of any floor stops required so as to avoid a tripping hazard.

H. SILENCERS. All interior wood and metal door frames shall have door silencers.

I. FINISH.

- 1.



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