

- | Item | Description | Manufacturer | Finish* | |
|------|-------------------------------|---|-----------------------------|-----|
| 3 | Hanging Devices | Weld on Pivots or hinges | Vetrotech | PTM |
| 1 | Mortise Lock | Mortise lock with panic function ** See Below | Dorma or approved equal | |
| 1 | Narrow Stile Exit Device | F9700 Rim**See Below | Dorma or approved equal | 630 |
| 1 | Lever Trim | ZT08 Tubular lever handle | Dorma or FSB | 630 |
| 1 | Mortise Cylinder | ANSI Mortise Schlage E Keyway | Vetrotech or approved equal | 626 |
| 1 | Closing Devices | TS 93 Surface Applied Closer | Dorma | 689 |
| 1 | Auto door Bottom Weather Seal | 420APKL Smoke Seal Perimeter Gasket | Pemko
Vetrotech | MA |

- * FINISH LEGEND:**
- | | |
|-----|------------------------|
| PTM | Painted to match frame |
| MA | Mill Finish Aluminum |
| 689 | Aluminum Paint |
| 630 | Satin Stainless Steel |
| 626 | Satin Chrome Plated |

2. Panic Bar: Dorma – Rim Exit Device or approved equal. Provide electric latch retraction at access controlled door. Provide power supply and power transfer devices as needed for access control and power assist (if necessary)
 3. Power Assist: Dorma – Provide power assist for door if needed to comply with ADA and AHJ opening force requirements.
 4. Threshold: Pemco ADA compliant or approved equal
 5. Wall or floor stops: and kick plates: Trimco, Ives or approved equal.
 6. All hardware to match existing style and finish. Contractor to field verify hardware style and finish
- E. Installation:
1. Install each hardware item in conformance to manufacturer's templates and instructions.
 2. Trim Exit Devices to provide 1 1/2:" clearance between End Cap and hinge jamb stop face where applicable.
 3. Adjust and check each operating item of hardware and each door to insure proper operation or function of every unit. Replace units, which cannot be adjusted to operate freely and smoothly.
- F. Keying:
1. Provide keying per Owner requirements.

A. Project includes glazing for the following products and interior applications subject to human impact:

1. Fire-protection-rated glazing
2. Fire-resistance-rated glazing

B. Submittals:

1. Product Data: Submit latest edition of manufacturers technical data, Underwriters Laboratories, Inc listings and installation instructions for each glass product and glazing material indicated.
2. Glass Sample: 6 inches square.
3. Qualification data for installers: Experienced installer who has completed glazing similar in material, design and extent to that indicated for Project and whose work has resulted in construction with a record of successful in-service performance.
4. Product Certificates
5. Product Test Listings
6. Sample Warranties
7. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.

C. Quality Assurance:

1. Safety Glazing Labeling: where safety glazing labeling is indicated permanently mark glazing with certification label of the SGCC or another certification agency. Label shall indicate manufacturers name, type of glass, thickness, safety glazing standard with which glass complies.
2. Fire Protection Rated Glazing labeling: Permanently mark fire-protection-rated glazing with certification label of a testing agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, test standard, whether glazing is for use in fire doors or other openings, whether glazing passes hose-stream test, whether or not glazing has a temperature rise rating of 450 deg F and the fire-resistance rating in minutes.
3. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are classified and labeled by UL, for fire ratings indicated, based on testing per NFPA 252, UL 10B and UL 10C. Assemblies must be factory-welded or come complete with factory-installed mechanical joints and must not require job site fabrication.
4. Fire-Rated Wall Assemblies: Assemblies complying with ASTM E119 that are classified and labeled by UL, for fire ratings indicated, based on testing in accordance with UL 263, ASTM E119.
5. Project Conditions: Obtain field measurements prior to fabrication of frame units. If field measurements will not be available in a timely manner coordinate planned measurements with the work of other sections. Note whether field or planned dimensions were used in shop drawings.

D. Warranties: Manufacturer's Special Warranty on Fire-Rated/Temperature-Rise Glass

1. Warranty Period: Five years from Date of Delivery.

E. Manufacturers: Obtain from single source from single manufacturer for each glass type and glazing accessories.

F. Performance Requirements

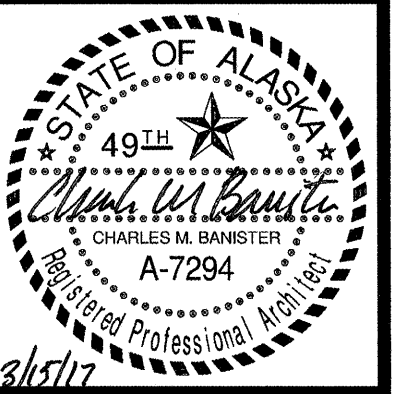
1. General: Installed glazing systems shall withstand normal thermal movement and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication; deterioration of glazing materials; or other defects in construction

G. Products:

1. General – Safety Glazing Labeling: Permanently mark glazing with certification label of CPSC16 CFR1201-Cat I and II, Label shall indicate manufacturer's name, type of glass, and safety glazing standard with which glass complies

H. Fire Resistance Rated Glazing – for installation in butt-glazed application with straight and offset angle joints:

1. Fire-Resistance-Rated Glazing: Listed and labeled by a testing agency acceptable to authorities having jurisdiction, for fire-resistance ratings indicated, based on testing according to ASTM E 119 or UL 263.
2. Fire-Resistance-Rated Glazing Labeling: Permanently mark fire-resistance-rated glazing with certification label of a testing agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, test standard, that the glazing is approved for use in walls, and the fire-resistance rating in minutes.
3. Tempered Glass with Intumescent Interlayers: Tempered glass made from multiple plies of uncoated float glass; with intumescent interlayers; and complying with 16 CFR 1201, Category II.
 - a. Basis of Design Product: Subject to compliance with requirements, provide Vetrotech Saint-Gobain; Contraflam Structure 60 - (1 ¼" thickness) for walls and Contraflam 60 for doors, or comparable product(s) by one of the following:
 - i. AGC Glass Company North America Inc.
 - ii. SAFTI FIRST Fire Rated Glazing Solutions
 - iii. Technical Glass Products



**Weidner Classroom
Remodel - #17-0033**
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University of Alaska Anchorage

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