

## DIVISION 08 – OPENINGS

### 08 11 13 – Metal Doors and Frames

1. Door frames shall be painted to match wall on which it is installed unless noted otherwise. Reference Division 09 91 23 for door and frame paint comments.
2. In renovation projects, existing to remain door frames and panels shall receive fresh coat of primer and paint. Strip existing finish and/or sand to allow proper paint adhesion.
3. Provide welded door frame in lieu of knockdown unless otherwise noted.
4. Doors vision lite shall have a square stop.

### 08 11 16 – Aluminum Doors and Frames

1. Warranty Period: 10 years from date of substantial completion.
2. Interior Glazed Aluminum Curtain Walls
  - a. Basis of Design: EFCO Series 401 framing; EFCO D200 or D300 Stile doors. Kawneer substitution subject to approval by RIT.
3. Interior Fire-Rated Glazed Aluminum Curtain Walls
  - a. Basis of Design: TGP “Fireframes” frame system with wide-stile Designer Series doors and “Pilkington Pyrostop” glazing. SAFTI FIRST and Kawneer substitutions subject to approval by RIT. Aluflam is not accepted.
4. Legacy steel framed assemblies to be replaced in kind unless noted otherwise.

### 08 42 00 – Entrances

1. Main Entrance – New Building
  - a. Exposed metal structural elements shall be extruded aluminum anodized, heavy-duty profile.
  - b. Doors shall be heavy-duty high-use rating with continuous hinges; reference 08 71 00.
  - c. In addition to code requirements for doors and openings, glazing shall be clear,  $\frac{3}{4}$ ” insulated; reference 08 80 00.
  - d. In addition to complying with ADA standards, provide power-assist operators and actuator on approach and exit at each main entrance.
  - e. Provide a card reader at one door.
  - f. Provide hydronic snow melt systems and walk-off mats.
  - g. Reference Division 21 for Fire Suppression requirements.
  - h. Reference Division 28 for Electronic Safety and Security requirements.
2. Main Entrance – Existing Building
  - a. Elements, such as glazing and mullion color, etc., shall match existing architectural vocabulary of existing system and building.

### 08 71 00 – Hardware

1. General
  - a. A power-assist door operator shall be provided at the following locations,
    - i. On one panel at each building entrance as noted in 08 42 00.
    - ii. Any circulation fire-rated door with a pull force greater than 5 pounds; if double door, only one panel shall have a power-assist operator.
  - b. One card-reader shall be provided at the primary building entrance(s).
  - c. Card swipe electronic access to certain interior spaces may be required on a project and program specific basis; design for electric strike with closer; coordinate electric strike and hardware with access system provider.
  - d. Use electric strikes in lieu of electrified locksets for interior or exterior applications. Do not use Mag Locks. Locks shall default to the “Locked” mode during a power failure.
  - e. Locking and latching hardware is subject to ADA Technical Requirements concerning access for disabled persons. Conformance to such requirements, as well as other building code or life safety regulations, is required.
  - f. Contractor shall provide and install door hardware. A/E firm shall confirm with RIT Project Manager prior to issuing construction documents if cores and keys are to be provided by contractor or RIT.
  - g. Contractor to provide cylinder/lock cores, US 26D finish, to accept Schlage Everest 29 Restricted 7-pin **small format interchangeable core**.
  - h. Thresholds shall have anti-slip characteristics (not 6 inch brass, which create trip hazards in winter).
  - i. For specification assistance contact:

Scott Lambe, Allegion Security and End User Hardware Consultant  
(585) 747-9999 [Scott.lambe@allegion.com](mailto:Scott.lambe@allegion.com)  
Gary Magnafici, Specification Hardware Consultant  
(716) 399-1252 [gary.magnafici@allegion.com](mailto:gary.magnafici@allegion.com)

- j. Delivery, Storage, and Handling
    - i. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.
    - ii. Tag each item or package separately with identification coordinated with the final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.
    - iii. Deliver keys and permanent cores to Owner by registered mail or overnight package service to RIT FMS-Lock Shop, 120 Lomb Memorial Drive, Rochester, NY 14623
  - k. Key and Core Packaging Specifications
    - i. Core mark to be etched in the metal (no ink) on each core. Etch to be on side of core so that it is concealed when installed.
    - ii. Keys are to be packaged individually and labeled with core mark and door location.
    - iii. All keys are to be serialized.
  - l. Panic Bar / Push Pad
    - i. Cylinder dogging as specified by project
    - ii. Removeable mullion(s) shall be keyed the same as exterior building doors
    - iii. Use rim devices; door rod devices are not accepted
2. Interior Non-Rated Assemblies Specifications
- a. Provide door kick and mop plates at all restrooms, custodial rooms, kitchens, and other spaces that are likely to be mopped regularly.
  - b. Provide push and pull plates in lieu of locksets on multi-user restrooms if a door is present. This requirement does not override fire-rating assembly requirements.
  - c. Finish: Brush Chrome unless noted otherwise
  - d. Refer to following table for models. Any deviations shall be approved by Planning & Design Services.

Item	Manufacturer	Model	Comments
Actuator, Push-Button	LCN	8310-853TWP	Exterior
Actuator, Touchless	LCN	8310-810S	Interior use only
Actuator, Touchless	BEA	10MSS41-S	For mullion installations
Closer	LCN	4011/4111 689	Specific arm TBD
Electric Strike	Von Duprin	6000 Series	Specific function TBD
	Locknetics	RS	Specific function TBD
Electromagnetic Holder	LCN	SEM7830/7850 689	Recessed preferred
Hinge	Ives	5BB1HW 4.5" x 4.5" 652	Non-Removable Pins (NRP)
Lock Guard	Ives	LG14	Specific function TBD
Lockset, Cylindrical	Schlage	ND Series RHO US26D	Specific function TBD; see item 4
Lockset, Mortise	Schlage	L9000 Series 06A	Specific function TBD
Panic Bar / Push Pad	Von Duprin	99 Series	HM door applications
	Von Duprin	33A Series	Narrow stile door applications
Plate, Armor	Ives	8400, 32" x door width	
Plate, Kick	Ives	8400, 10" x door width	
Plate, Mop	Ives	8400, 4" x door width	
Plate, Pull	Ives	8302, 4" x 16"	10" center to center
Plate, Push	Ives	8200, 4" x 16"	
Power-Assist Operator	LCN	4630/4640	Reference 08 71 00, Section 1a
Silencer	Ives	SR64	
Smoke Seal	Zero	488	
Stop, Floor	Ives	FS13 US26D	
Stop, Wall	Ives	WS406/407-CVX US26D	
Sweep	Zero	8192 / 8197 / 8198	Verify hard bristle / neoprene with RIT

- 3. Exterior Specifications
  - a. Finish:

- i. New buildings: finishes determined during design with RIT Planning & Design
    - ii. Renovation work: bronze finish (to match existing)
  - b. Exit Devices: VonDuprin (function to suit situation)
  - c. Pulls: Ives 8190EZHD or Rockwood TBF158, bronze (1" diameter tubular pull, 12" center to center, 3-1/2" projection, 4" offset)
  - d. Hinges: Roton #780-224 HD, bronze
  - e. Closers: LCN #4114H Cush-n-Stop, bronze (HD arm is std.)
  - f. At exterior doors where wind resistance is a major concern, the swing door operator shall be the Besam SW200i by ASSA ABLOY.
4. Function Sets (Cylindrical)
- a. Set #1: Entrance
    - i. Lockset: Schlage, ND53D x RHO, for 7 pin small format interchangeable core, US26D finish, office function, key on outside - push and turn button
    - ii. Typical use: office and suite doors without card access
  - b. Set #2: Classroom
    - i. Lockset: Schlage, ND70D x RHO, for 7 pin small format interchangeable core, US26D finish, classroom lock, outside lock/unlock - key only
    - ii. Typical use: classrooms without card access
  - c. Set #3: Store Room
    - i. Lockset: Schlage, ND80D x RHO, for 7 pin small format interchangeable core, US26D finish, store room function, always locked – operated by key only
    - ii. Typical use: offices, suite, and classrooms with card access; doors that remain locked from outside at all times
  - d. Set #4: Passage
    - i. Lockset: Schlage, ND10S x RHO, US26D finish, passage set, no lock
    - ii. Typical use: doors that remain unlocked at all times
  - e. Set #5: Privacy
    - i. Lockset: Schlage, ND40S x RHO, US26D, privacy function, with occupancy indicator OS-OCC
    - ii. Typical use: single-user restrooms or dressing rooms

## 08 79 13 – Key Storage Equipment

- 1. Two "Knox" lock boxes shall be installed:
  - a. A Knox box for a building key card shall be placed at the designated entrance for use by the Fire Department.
  - b. A Knox box for building keys (fire panel, mechanical rooms, etc.) shall be mounted above the Fire Alarm Annunciator Panel or main Fire Alarm Control Panel if the control panel is in a public area.

## 08 80 00 – Glazing

- 1. New buildings: window glass color and profile to be approved by the Director of Planning & Design.
- 2. Existing buildings: match existing glass color with insulated glass profiles as approved by Director of Planning & Design.

## 08 87 33 – Decorative Films

- 1. Basis of design: 3M FASARA Glass Finishes Gradation, SH2FGCL, Cloud

## END OF DIVISION 08