



**DESIGN & CONSTRUCTION GROUP  
THE GOVERNOR NELSON A. ROCKEFELLER  
EMPIRE STATE PLAZA  
ALBANY, NY 12242**

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**ADDENDUM NO. 1 TO PROJECT NO. Q1780**

**CONSTRUCTION, ELECTRICAL, HVAC, AND ELEVATOR WORK  
REPAIR ELEVATOR BUILDING 99  
ELMIRA CORRECTIONAL FACILITY  
1879 DAVIS STREET  
ELMIRA, NY**

August 18, 2020

**NOTE:** This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

**ELEVATOR SPECIFICATIONS**

1. SECTION 142821 ELEVATOR HOISTWAY ENTRANCES: Discard the Section bound in the Project Manual and substitute the attached Section (pages 142821-1 through 142821-4) noted "Revised 08/17/2020".

**END OF ADDENDUM**

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Design & Construction

## SECTION 142821

### ELEVATOR HOISTWAY ENTRANCES

#### PART 1 - GENERAL

##### 1.01 SUMMARY

- A. Work covered by this section:
  - 1. Entrance Frames: Refinish.
  - 2. Entrance Doors: Provide.
  - 3. Door Hardware & Equipment:
    - a. Header or Hanger Support: Provide.
  - 4. Interlocks: Provide.

##### 1.02 DEFINITIONS

- A. Elevator Hoistway Entrances: The protective assembly which closes the hoistway enclosure openings normally used for loading and unloading.
  - 1. Assembly includes frame, doors, saddle, header, trim, struts, hanger supports, fascias, tracks, toe guards, dust covers, bumpers and other equipment required for a complete installation.

##### 1.03 QUALITY ASSURANCE

- A. Fire-Rated Assemblies: A fire-resistance classification is required for hoistway entrances. Provide fire-rated units that have been investigated and tested as fire door assemblies, complete with the type of fire door hardware to be used in the Work. Identify each door and frame with metal UL labels, indicating the applicable fire rating of the door. Rivet labels on the hinge edge of door and jamb rabbet.

#### PART 2 - PRODUCTS

##### 2.01 PASSENGER ELEVATOR ENTRANCES

- A. Frames: Clean and refinish existing brushed stainless-steel frames.
  - 1. Obtain the services of professional stainless steel refinishing Contractor.
  - 2. Refinish frames, utilizing stainless steel polishing machine, to provide brushed stainless-steel finish to match existing.
- B. Floor Identification Signage:
  - 1. Locate characters on each side of frame, 5 feet from the floor to the centerline of the characters:
  - 2. Characters: 2 inches high, raised 1/32-inch Sans-Serif Gothic (Helvetica Semi-Bold), with grade 2 Braille floor identification.
  - 3. Color: Contrast with the color of the frame.

- C. Elevator Identification Signage:
  - 1. Provide signage indicating elevator designation at the Designated Level.
  - 2. Characters shall be minimum 3 inches in height with contrasting background.
  - 3. Signage shall be securely fastened to entrance frame as shown on drawings.
  
- D. Header or Hanger Support:
  - 1. Size: Minimum 3/16 inch thick.
  - 2. Length: Sufficient for bolting to struts.
  - 3. Shape: Bent sections to form hanger pockets and track support.
  
- E. Toe Guards and Fascia's:
  - 1. Dust Covers: Provide at each landing.
    - a. Material: 14 gage sheet steel.
    - b. Full width of the entrance header.
  - 2. Fascia's and Dust Covers: Clean, prepare, and paint existing full height of the hoistway.
  
- F. Hanger Cover: Sheet steel, constructed to permit convenient access to service hangers:
  - 1. Access sections not to swing open into elevator hoistway.
  - 2. Cover full travel of doors.
  
- G. Doors:
  - 1. Type of Construction: Flush panel hollow metal.
  - 2. Door Panel Fabrication: Not less than 16 gage furniture steel reinforced by formed steel sections running vertical for full height of door panel, spaced not more than 8 inches apart, designed to hold front and rear plates together. Top and bottom of door closed with formed "U" channels, not less than 16 gage steel welded to door panels.
  - 3. Thickness: Minimum 1-1/4 inches.
  - 4. Reinforcement:
    - a. Reinforce head of door with steel plate not less than 3/8 inches thick, welded to door panels.
    - b. Reinforce interior of door panel with steel plate for attachment of door closures or other operating devices.
  - 5. Sight Guards:
    - a. Equip doors with sight guards on leading edge of single slide and fast panel of two speed doors and on each meeting edge of center opening doors.
    - b. Form sight guards of same material as door panel and finish to match.
  - 6. Fixed Door Panels and Transoms: Material and construction same as sliding doors.
  - 7. Door Gibs: Equip each sliding door panel with two removable phenolic or laminated plastic door gibs arranged to slide in sill grooves and permit easy replacement without removing door panels from hangers. Equip gibs with safety tabs. Provide Z bracket between gibs on each door panel.
  - 8. Rubber Bumpers:

- a. Equip trailing edge of door panels with rubber bumpers at top and bottom of door to stop doors at their limit of travel in the opening direction.
  - 9. Finish: Face and edge doors with stainless steel.
- H. Hanger Assembly:
  - 1. Type: Two-point suspension sheave.
  - 2. Sheaves: Hardened steel or composition, not less than 3 inches in diameter, with fully enclosed ball bearings, sealed to retain grease lubrication.
  - 3. Hanger Stands: Mount sheaves on malleable iron or steel stand fastened directly to door with two 3/8 inch diameter bolts. Arrange hanger to take upward thrust against ball bearing roller on an adjustable eccentric stud set at .005 inch clearance from underside to track.
  - 4. Provisions for Field Adjustment:
    - a. Thin shims, amounting to not less than 3/16 inch, for adjustment between bottom of hanger and top of door.
    - b. Slot bolt holes in hanger stand, to allow transverse adjustment of the door.
- I. Tracks:
  - 1. Material and Construction: Drawn steel with polished surfaces for door hanger sheaves. Shape upper and lower surfaces to conform hanger sheave and upthrust roller.
  - 2. Attachment: Bolt tracks in minimum of three places to header
- J. Miscellaneous Entrance Hardware:
  - 1. Thoroughly clean all strut angles, and miscellaneous entrance steel.
    - a. Prepare and paint black.
  - 2. Replace missing rubber bumpers, upper and lower, attach to strut angels and entrance strike, to stop doors in open/closed limit of travel.

## 2.02 INTERLOCKS

- A. Type: Electro-mechanical unit type.
- B. Interlock Contacts:
  - 1. Positively opened by locking member.
  - 2. Maintained in open position by gravity compression springs or both, or by the unlocking device.
- C. Operation:
  - 1. Interlock locks door in closed position before elevator starts in response to car dispatch buttons or registration of a corridor push button call.
  - 2. Interlock holds door in locked position by means of gravity, compression springs or linkage.
  - 3. Interlocks used with multi-section doors locks all sections of the door.

## PART 3 - EXECUTION

### 3.01 TEAROUT

- A. Remove all superseded equipment and dispose in a safe, legal manner.
  - 1. Equipment identified to be removed include, but not limited to, the following:
    - a. Hoistway door panels, interlocks, headers, hangers, tracks, and closers.

### 3.02 INSTALLATION

- A. Install door, sills, tracks, struts, hanger supports or headers, hanger covers, and toe guards, prior to construction of rough walls.
- B. **NOTE:** All elevator work performed outside the hoistway must be done within the temporary partitions. All tools, at all times, must be kept within the locked partition.
- C. Hang door panels parallel to each other allowing for clearances between entrance frame and door panel as per ASME A17.1.
- D. Install door tracks parallel to entrance sill.
- E. Adjust hangers so door roller is centered on the track.
- F. Adjust hanger roller eccentric for minimum underside of track clearance not to exceed .005”.
- G. Adjust interlock so door closed position is attained not more than 0.375” between door astragals.
- H. Install tactile/braille plates and elevator identification plate with steel drive pins at each corner.
- I. Lubricate all working parts.

### 3.03 FIELD QUALITY CONTROL

- A. Maintain the protective coverings until removal as directed.

**END OF SECTION**