



STATE OF NEW YORK  
OFFICE OF GENERAL SERVICES  
DESIGN AND CONSTRUCTION GROUP  
THE GOVERNOR NELSON A. ROCKEFELLER  
EMPIRE STATE PLAZA  
ALBANY, NY 12242



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**ADDENDUM NO. 1 TO PROJECT NO. 42530**

**CONSTRUCTION WORK, HVAC WORK, ELECTRIC WORK  
UPGRADE HEATING SYSTEMS AND WINDOWS, BUILDING NO. 2  
ATTICA CORRECTIONAL FACILITY  
639 EXCHANGE STREET  
ATTICA, NEW YORK 14011**

March 25, 2013

**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.

**CONSTRUCTION WORK SPECIFICATIONS**

1. Section 087100 FINISHED HARDWARE: Add entire attached section to Project Manual.

**CONSTRUCTION WORK DRAWINGS:**

2. Drawing A-301:  
At details 1 & 2, change W14 window type designation to window type W12.
3. Drawing A-501:
  - a. At section detail 4 & 5, change detail mark from 3/A-501 to 3/A-702.
  - b. At section detail 4 & 5, change detail mark from 8/A-501 to 8/A-702.
  - c. At section detail 4 & 5, change detail mark from 7/A-501 to 7/A-702.
4. Drawing G-101:
  - a. Modify detail 4/G-101 as indicated on attached addendum drawing ADD-01-SK-A1.
  - b. Add detail 5/G-101 per attached addendum drawings ADD-01-SK-A2
5. Drawing A-701:  
Modify door type HMD as indicated on attached addendum drawing ADD-01-SK-A3.
6. Drawing A-702:
  - a. Modify detail 3/A-702 as indicated on attached addendum drawing ADD-01-SK-A4.
  - b. Modify detail 8/A-702 as indicated on attached addendum drawing ADD-01-SK-A5.

**END OF ADDENDUM**

James Dirolf, P.E.  
Director of Design

## **SECTION 087100**

### **FINISH HARDWARE**

#### **PART 1 GENERAL**

##### **1.01 RELATED WORK SPECIFIED ELSEWHERE**

- A. Steel Doors and Frames: Section 081102.

##### **1.02 REFERENCES**

- A. Materials and Finishes Standard: ANSI/BHMA A156.18-2006, "American National Standard for Materials and Finishes".
- B. Building Code of New York State, 2010.
- C. ICC/ANSI A117.1 – 2003 Accessible and Usable Buildings and Facilities

##### **1.03 DEFINITIONS**

- A. Company Field Advisor(s): Hardware manufacturers' representatives who are certified in writing by manufacturer to be technically qualified in design, installation, operation, inspection, and servicing of products.
- B. Installation Supervisor: Designated supervisor and/or installer who has a minimum of 5 years experience in finish hardware installation, and qualified to ensure approved finish hardware is installed, adjusted and operating correctly.

##### **1.04 SUBMITTALS**

- A. Waiver of Submittals: The Waiver of Certain Submittal Requirements in Section 013300 does not apply to this Section.
- B. Submittal Packages:
  - 1. Submit the Quality Assurance Package prior to other submittal packages. After Quality Assurance Package is approved, submit the Samples if required, and finally the Packages listed below:
  - 2. Submit the Finish Hardware Schedule, and Product Data, specified below at the same time as a package. Partial submittal will not be approved.
- C. Finish Hardware Schedule: Use vertical format, horizontal format not acceptable. Include all Finish Hardware to complete the Work.
- D. Contract Close Out Submittals: Turn over to the Director's Representative immediately following the Post Installation Inspection.
  - 1. Operation and Maintenance Manuals:
    - a. Furnish 2 copies.
    - b. Manufacturers' operation, installation, maintenance and repair instructions, and templates, for each type of hardware provided.
    - c. Parts List for each type of finish hardware provided.

- d. Manufacturers' written warranties for each type of finish hardware.
2. Certification: Written certification from Company Field Advisor(s) or Installation Supervisor that the products are installed according to manufacturers' recommendations, are operating properly. Manufacturers' written warranty will be in effect upon physical completion of the Work.
3. Maintenance Materials.

## **1.05 QUALITY ASSURANCE**

- A. Uniformity of Hardware and Single Source Responsibility: Provide each kind of hardware (door closers, locks, hinges, etc.) from the same manufacturer.
- B. Size Variations: Manufactures' products may vary slightly from sizes specified except where a minimum size or thickness is specified. Variations shall not prevent the product from performing the intended use.
- C. Installer's Qualifications: Employ experienced finish hardware installers who have been regularly employed by a Company installing finish hardware for a minimum of 3 years.
- D. Installation Supervisor: Employ a qualified installation supervisor who will be responsible to ensure approved finish hardware is installed, adjusted, and operating properly.
- E. Company Field Advisors: Secure the services of qualified Company Field Advisor(s) for locksets, magnetic locks, exit devices, door closers, and electric strikes, as required for the following:
  1. Render advice regarding installation and final adjustment of the hardware.
  2. Answer any questions that might arise and resolve any installation or operational problems.
  3. Attend Post Installation Inspection, and then certify with an affidavit that the hardware is installed, adjusted, and operating properly.
- F. Pre-Installation Conference: Before the installation of finish hardware begins, the Director's Representative will call a conference at the site to review the finish hardware specifications, approved finish hardware submittals, and to discuss requirements for the Work, such as:
  1. Hardware labeling and storage.
  2. Hardware installation sequence.
  3. Required accessories and fasteners.
  4. Potential location conflicts.
  5. Wiring of electric hardware.
  6. Special tools and maintenance items.
  7. Hardware closeout requirements.
  8. The Contractor, representatives from other trades such as electrical, the Installation Supervisor, the finish hardware installer(s), and, if requested, the Company Field Advisor(s) shall attend conference. Other participants may be invited at the discretion of the Director.

**1.06 TEMPLATES**

- A. After receipt of approved submittals, furnish templates to affected trades, to enable fabricators to make provision for finish hardware without delaying Project progress.

**1.07 DELIVERY AND STORAGE**

- A. Coordinate delivery to avoid delay.
- B. Package hardware with fasteners, parts, instructions, and templates.
- C. Clearly label each item for identification and installation location according to approved Finish Hardware Schedule.
- D. Provide locked, dry storage for Finish Hardware at a location acceptable to Director’s Representative.

**1.08 MAINTENANCE**

- A. Attic Stock: Use separate hardware group in hardware schedule that lists attic stock hardware items, lubricants, and special tools required to install hardware. If no special tools are required, state: “No special tools are required for installation”.
  - 1. Furnish extra hardware as follows:

<b>PRODUCTS</b>	<b>QUANTITY</b>	<b>MANUFACTURER</b>
Hinges	5	Markar FM 3500HT MP-39 MP-PC-6.
Security Door Closers	5	LCN 4214 ST2743 62G TB/TMS SRI STAT
Mortise Locks and Trim	5	Best 34H7C4M Torx 612

- B. Hand Tool Maintenance Kit: Lockable steel tool box containing one set of all hand tools necessary to perform preventative maintenance and repairs to the Hardware. Include:
  - 1. One complete Torx kit and driver.
  - 2. Six special Hex wrenches for door closer adjustment.
  - 3. Provide manufacturer’s recommended lubricants for hinges, locksets, exit devices, and closers etc. sufficient for 3 years of maintenance.
  - 4. Turn Kit over to the Facility through the Director’s Representative.

**PART 2 PRODUCTS**

**2.01 FASTENINGS**

- A. Provide appropriate fasteners that harmonize with the material and finish.

- B. Provide machine screws for hardware secured to metal; self-tapping screws are not acceptable. Provide machine screws with metal expansion shields for attachment to masonry substrates.
- C. Provide undercut (shallow head) screws where necessary for proper seating, with manufacturer's standard Phillips heads, except where security head screws are specified.
- D. Provide sex bolts for door closer attachment to doors.

## **2.01 FASTENINGS**

- A. Provide appropriate fasteners that harmonize with the material and finish.
- B. Provide Torx center pin security fasteners for exposed items of hardware, including full mortise hinges. Use non-removable pin or hospital tip on all hinges.
- C. Provide Torx center pin security fasteners for hardware to be secured to metal; self-tapping screws are not acceptable. Provide Torx security head machine screws and metal expansion shields for attachment to masonry substrates.
- D. Provide undercut (shallow head) Torx center pin security fasteners where necessary for proper seating.
- E. Provide sex bolts for door closers and overhead stop and holders.

## **2.02 ACCESSORIES, BRACKETS AND PLATES**

- A. Strikes are to fit individual lockset function. Universal or generic strikes that fit a variety of lockset functions are not acceptable. Furnish curved lip strikes with wrought boxes.
- B. Provide compression rings and spacers as required, to achieve proper spacing relationship between cylinder and face of door.
- C. Provide brackets, plates, and special templates to mount door closers in combination with overhead stops and holders, on narrow top rails, transom mountings, and for special ceiling and jamb conditions.
- D. Provide filler plates at existing hinge and strike mortises as required.

## **2.03 FINISH HARDWARE**

- A. Group 1:
  1. Continuous Hinge: 1-Markar FM3500HT x 630 x torx
  2. Door Closer: 1 ea LCN 4111 x Cush x AL.
  3. Lockset: 1 ea Cor/Rus ML2055 x NSM lever trim x bev 1/8" in 2" x curved lip box strike x US32D(630).
  4. Cylinder: Mortise cylinder compatible with owners existing system.

5. Weatherstripping: 1 set National Guard 133NA
6. Door Bottom: 1 ea Pemko 234 APK
6. Threshold: 1 ea National Guard 8428 (Match door frame width/depth)
7. Silencers: 3 - Ives No. 20.

## **2.04 KEY CONTROL SYSTEM**

- A. Integrate keys into owners existing set up system with brass permanent file key tags, detachable fiber key tags, cross index cards, borrower's receipt forms, brass receipt holders, and parts and instruction manual. Keys will be stored on existing owners swinging panels within steel, wall hung, locked cabinet.
  1. Owner will place keys on markers and hooks in the existing owner's cabinet as determined by the final keying schedule.

## **2.05 KEYING**

- A. Obtain keying information from the Facility through the Director's Representative.
- B. Furnish uncombined cylinders compatible with the existing "Best" system. Obtain keying information from the Facility through the Director's Representative.
- C. Furnish uncombined cylinders compatible with the existing system, with sufficient springs, cores, caps, drivers, and pin segments for combination by the Facility.
- D. If locksets and cylinders are from different manufacturers, identify and furnish the correct cams required to install the cylinder.
- E. Key locks as follows and incorporate keying schedule in the hardware schedule for approval.
  1. Keying shall be done by the lock company and establish factory records of key changes.
    - a. Furnish the Facility with a complete bitting list.
  2. All cylinders shall be construction master keyed. Provide manufacturer's special pin tumbler cylinders that permit voiding construction keys without removal of the cylinder. Furnish three (3) Construction Master Keys total.
  3. Visual Key Control: Stamp permanent keys and cylinders with the applicable key mark for identification and "Do Not Duplicate." Do not use cut numbers.
  4. Ship only permanent master keys via United States Postal Service, Registered Mail, Return Receipt Requested, direct from the lock company, to: O.G.S. Design & Construction, Division of Design, Corning Tower, Empire State Plaza, Albany, NY 12242.
    - a. Ship permanent cylinders and construction keys with the locksets.

- F. Establish the following Master Keys:
  - 1. Integrate keys with owners existing master key system.
- G. Furnish 7 keys for each change unless otherwise noted.
  - 1. Provide keys of nickel silver only.
- H. The key changes listed below shall be operated as follows:
  - 1. To be determined.

## **PART 3 EXECUTION**

### **3.01 INSTALLATION**

- A. Install hardware in accordance with the manufacturer's printed instructions, and adjust for smooth operation.
  - 1. Installation Sequence: Use proper installation sequence e.g., install overhead stops and coordinators before surface mounted door closers.
  - 2. Template door closers for maximum door swing by wall placement and jamb conditions. Where overhead stop prevents door from swinging to wall, template closer to exceed degree of opening allowed by overhead stop.
- B. Use proper tools and methods to prevent scratches, burrs or other defacement.
- C. After installation, cover hardware with protective cloth or paper to prevent damage during remaining construction. Remove protection upon completion.
- D. Adjust existing related hardware as required for the proper operation of all the hardware.
  - 1. Where items of finished hardware will be surfaced mounted to existing steel frames, continuously weld to the frame a 1/8 inch thick steel plate of sufficient size to properly reinforce frame. Drill and tap plate to receive machine screws.
  - 2. Coordinate installation of surface mounted hardware with weather stripping requirements to provide full coverage weather seal.

### **3.02 LOCATIONS**

- A. Locate hardware as follows:
  - 1. Hinges: Top hinge 5 inches from jamb rabbet to top edge of barrel; bottom hinge 10 inches from bottom edge of barrel to finished floor; intermediate hinge centered between top and bottom hinges.
  - 2. Knobs and Levers: Center line 3'-2" from finished floor.
  - 3. Exit Devices: From finished floor: Center line of touch bar 3'-4"+.
  - 4. Deadlocks: Center line of cylinder 4'-0" from finished floor.
  - 5. Push Plates: Center line 4'-0" from finished floor.
  - 6. Door Pulls: Center line 3'-2" from finished floor.
  - 7. Push Bars: Through bolted to top (or both ends) of door pull. Hospital Latches and Push/Pulls: Center line 3'-9" from finished floor
  - 8. Protection Plates: 1/8 inch from door bottom.

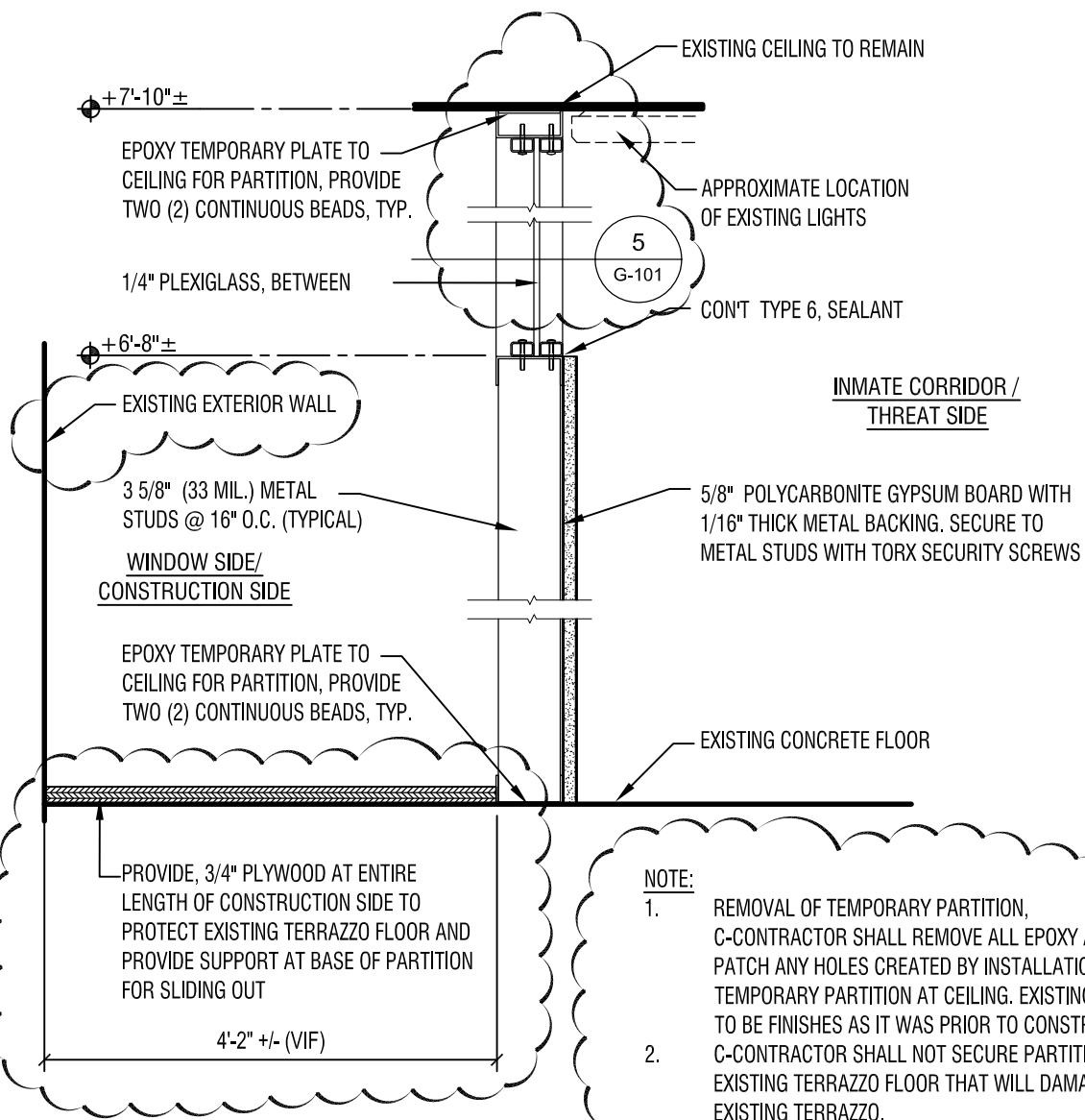
9. Manual Flush Bolts: Locate top bolt within 6'-6" from floor.
10. Door Closers: Template for maximum door swing allowed by wall placement and jamb conditions. Where overhead stop prevents door from swinging to wall, template closer to exceed degree of opening allowed by overhead stop.
11. Existing frame mortises shall govern butt hinge locations.
12. Bit key deadlocks: Center line of keyhole 4'-6" from finished floor.

### **3.03 FIELD QUALITY CONTROL**

- A. Post Installation Inspection: After the hardware is adjusted for smooth operation a post installation inspection meeting will be held to assure that the hardware is installed and operating properly and to familiarize the Facility Representative with the hardware operation and maintenance. The Contractor, hardware installer, and Company Field Advisor shall attend the meeting. The Director's Representative and a Facility Representative will also attend the meeting.
  1. Notify the Director's Representative at least 3 working days prior to the inspection so arrangements can be made to have a Facility Representative participate in the inspection.
  2. Secure the services of a Company Field Advisor(s) for door closers, mortise locks and latches, cylinder and bit key deadlocks, electric strikes, magnetic switches, magnetic locks, exit devices, overhead stops and holders, flush bolts, coordinators to inspect and certify in writing, that their products are installed and operating properly and that the manufacturer's warranty will be in effect upon physical completion of the Work.

**END OF SECTION**





**NOTE:**

1. REMOVAL OF TEMPORARY PARTITION, C-CONTRACTOR SHALL REMOVE ALL EPOXY AND PATCH ANY HOLES CREATED BY INSTALLATION OF TEMPORARY PARTITION AT CEILING. EXISTING CEILING TO BE FINISHES AS IT WAS PRIOR TO CONSTRUCTION.
2. C-CONTRACTOR SHALL NOT SECURE PARTITION TO EXISTING TERRAZZO FLOOR THAT WILL DAMAGE THE EXISTING TERRAZZO.

ADDENDUM NO. 1

ADD DETAIL: 4/G-101

SHEET TITLE:

TEMPORARY PARTITION DETAIL  
AT PLEXIGLASS

PROJECT: UPGRADE HEATING SYSTEMS AND  
WINDOWS, BUILDING NO. 2  
ATTICA CORRECTIONAL FACILITY

WARNING: THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

DWG NO:  
ADD-01-SK-A1

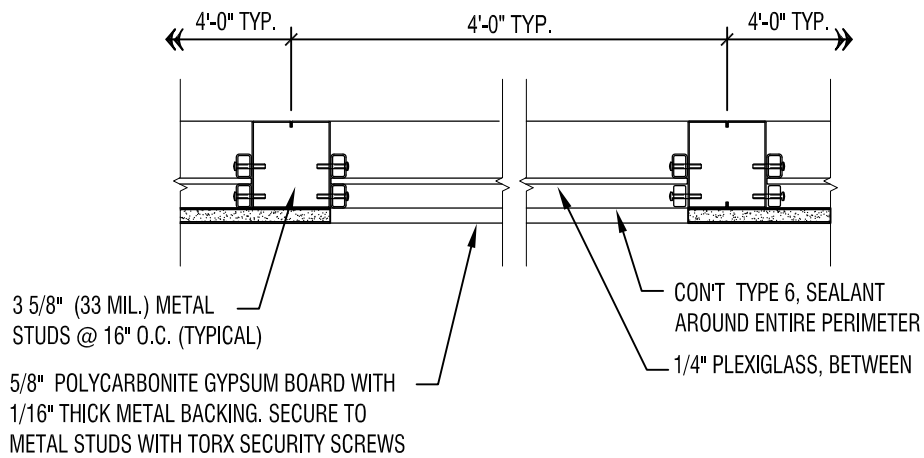


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*Serving New York*

CONTRACT: CONSTRUCTION  
 PROJ. NO: 42530-C  
 DATE: 03/22/13  
 DRAWN: CJD  
 APPROVED: -

WINDOW SIDE/  
CONSTRUCTION SIDE



INMATE CORRIDOR /  
THREAT SIDE

ADDENDUM NO. 1

ADD DETAIL: 5/G-101

SHEET TITLE:

TEMPORARY PARTITION DETAIL  
AT PLEXIGLASS

PROJECT: UPGRADE HEATING SYSTEMS AND  
WINDOWS, BUILDING NO. 2  
ATTICA CORRECTIONAL FACILITY

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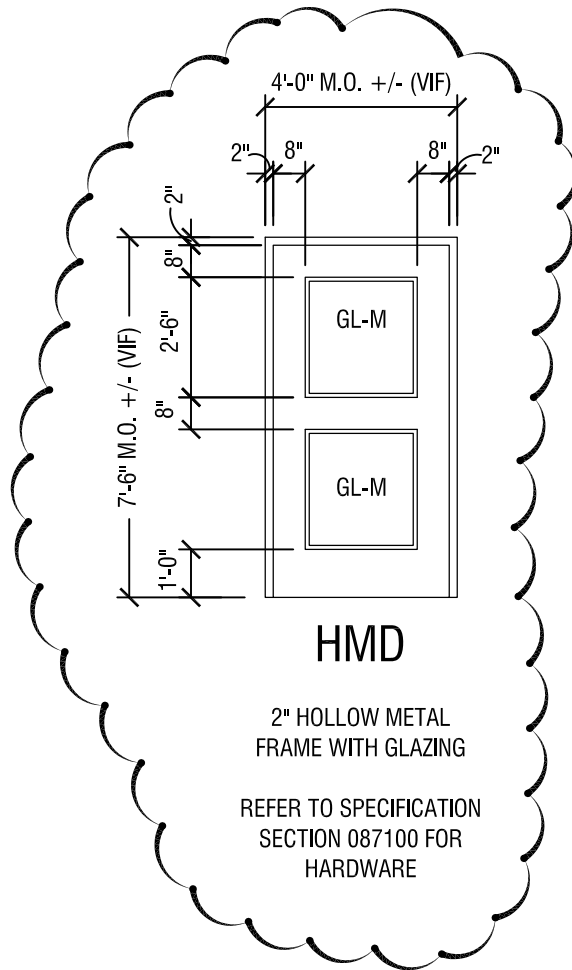
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ADD-01-SK-A2



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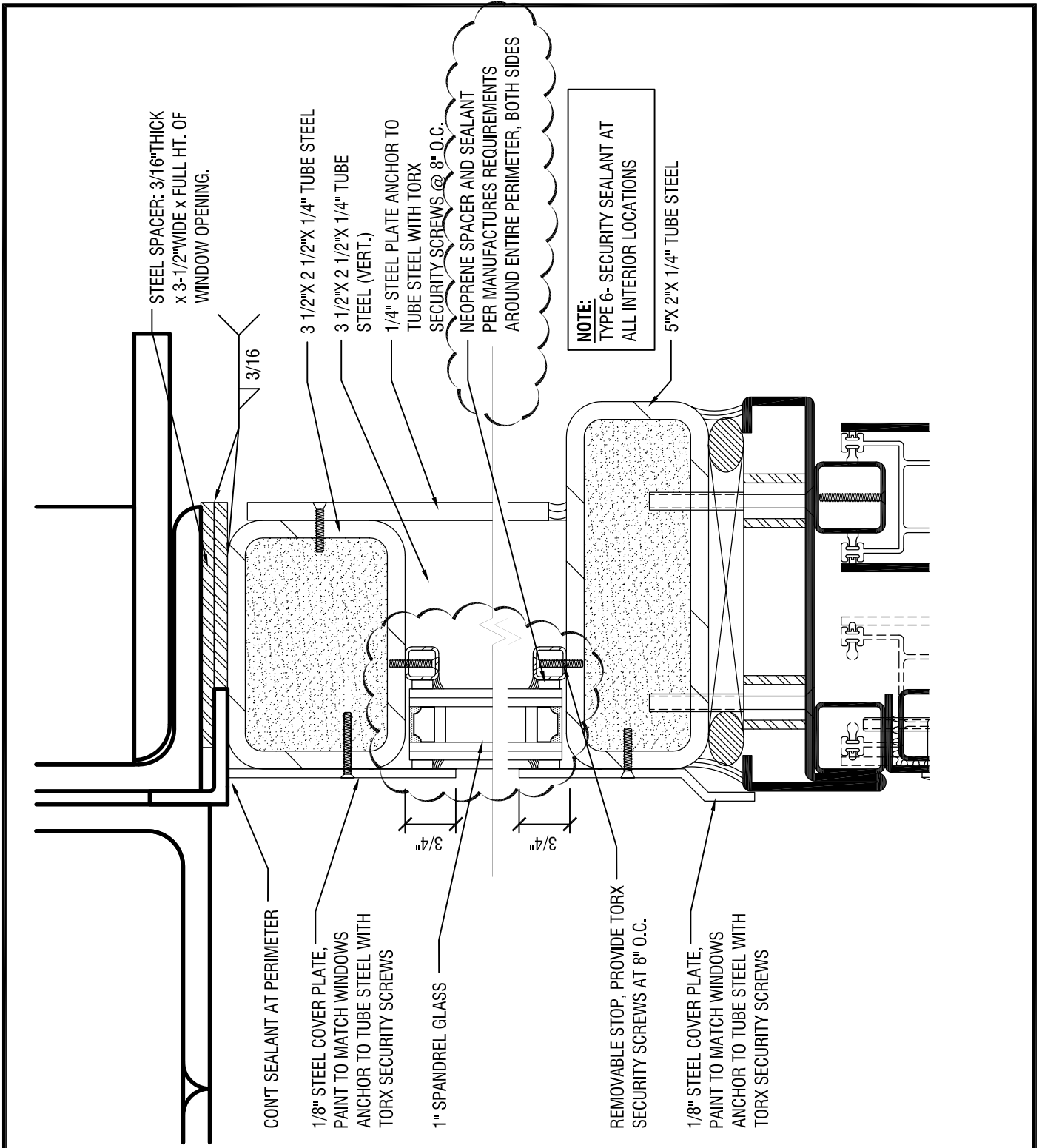
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CONTRACT: CONSTRUCTION  
PROJ. NO: 42530-C  
DATE: 03/22/13  
DRAWN: CJD  
APPROVED: -



CONTRACT:	CONSTRUCTION
PROJ. NO:	42530-C
DATE:	03/22/13
DRAWN:	CJD
APPROVED:	-

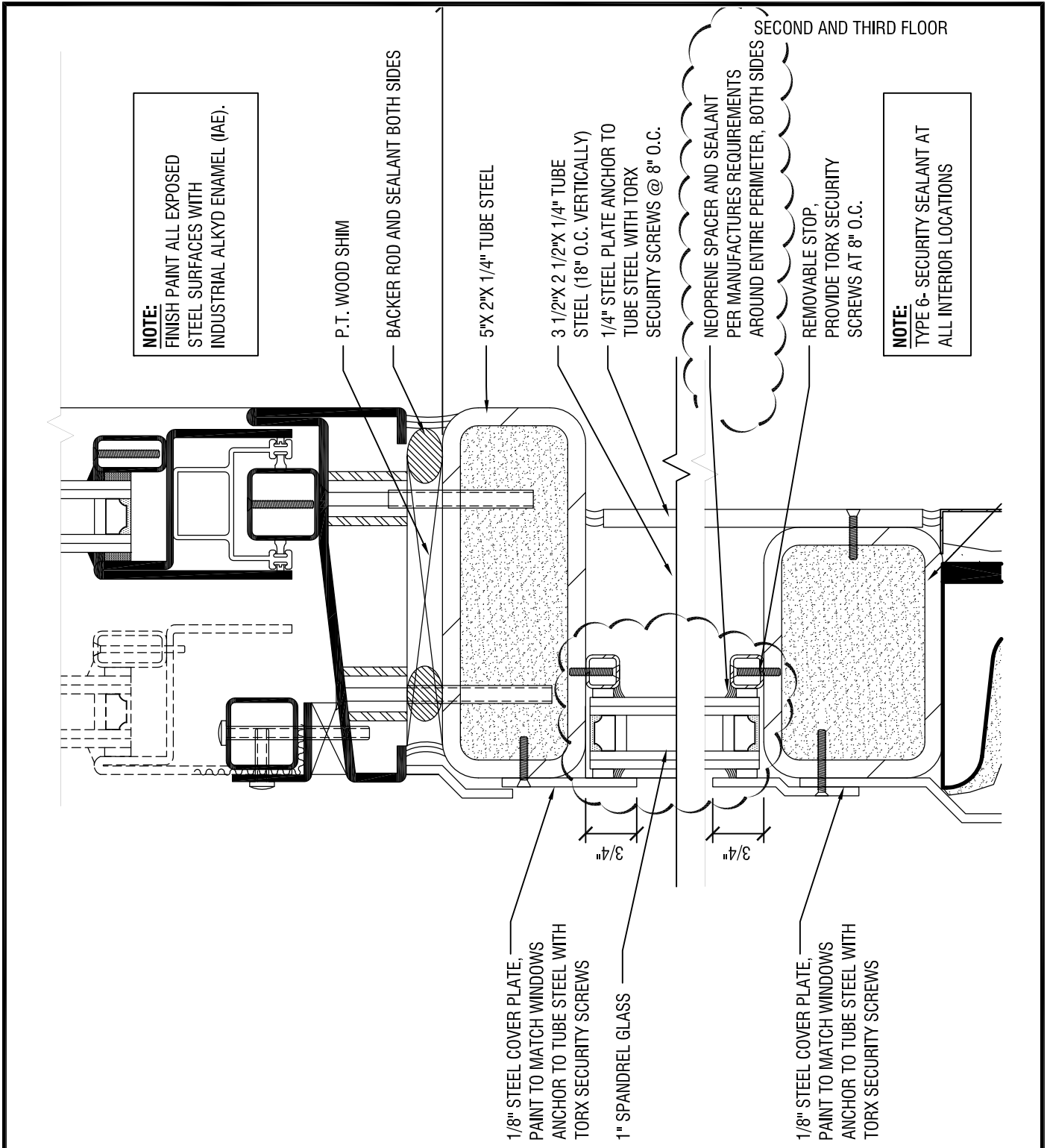
ADDENDUM NO. 1	REFERENCE DWG: 1/A-701
SHEET TITLE:  DOOR TYPE HMD REVISION	
PROJECT: UPGRADE HEATING SYSTEMS AND WINDOWS, BUILDING NO. 2 ATTICA CORRECTIONAL FACILITY	
<small>WARNING: THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.</small>	DWG NO: ADD-01-SK-A3




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CONTRACT:	CONSTRUCTION
PROJ. NO:	42530-C
DATE:	03/22/13
DRAWN:	CJD
APPROVED:	-

ADDENDUM NO. 1	REFERENCE DWG: 3/A-702
SHEET TITLE: <b>DETAIL REVISION</b>	
PROJECT: <b>UPGRADE HEATING SYSTEMS AND WINDOWS, BUILDING NO. 2 ATTICA CORRECTIONAL FACILITY</b>	
WARNING: THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.	DWG NO: <b>ADD-01-SK-A4</b>



 <p><b>OGS</b> NYS OFFICE OF GENERAL SERVICES <i>Serving New York</i></p>	<p>CONTRACT: CONSTRUCTION</p>	<p>ADDENDUM NO. 1</p>	<p>REFERENCE DWG: 8/A-702</p>	
	<p>PROJ. NO: 42530-C</p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>DETAIL REVISION</b></p>		
	<p>DATE: 03/22/13</p>	<p>PROJECT: UPGRADE HEATING SYSTEMS AND WINDOWS, BUILDING NO. 2 ATTICA CORRECTIONAL FACILITY</p>		
	<p>DRAWN: CJD</p>	<p>WARNING: THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.</p>		<p>DWG NO:</p> <p><b>ADD-01-SK-A5</b></p>
	<p>APPROVED: -</p>			