



ADDENDUM NO. 1

To the Contract Documents for:
Menlo Park City School District
Encinal Elementary School
Administration Building Modernization,
File No. 41-8
App. No. 01-117917
Bid #001-2019-02

April 25, 2019

This addendum shall supersede all previously issued specifications, addenda and drawings. All other conditions remain unchanged. The following clarifications, changes, modifications, corrections and/or additions as set forth herein shall apply to the above documents and shall be made a part thereof and shall be subject to all the requirements thereof as though originally specified and/or shown.

This addendum consists of 2 pages, plus attachments.

Attachments:

Specifications: *Section 08 12 13 Hollow Metal Frames*

Drawing Sheets: AD-1/SK-1, AD-1/SK-2, AD-1/SK-3 & AD-1/SK-4

CHANGES TO SPECIFICATIONS:

Item No 1.1

Reference: Specification Section 08 12 13

Description: **Replace** Section 08 12 13 Hollow Metal Frames with attached revised Section 08 12 13

CHANGES TO DRAWINGS:

Item No 2.1

Reference: Sheet A101, Window No. "W1"

Description: **REPLACE** storefront system with hollow metal frame window.
Refer to attached sketches AD-1/SK-1, AD-1/SK-2, AD-1/SK-3 and AD-1/SK-4.

Item No. 2.2

Reference: Sheet A101, Room B3, Main Office, Finish Schedule

Description: **ADD** Remove all existing gypsum board in this room and replace with new gypsum board, paint. Gypsum board finish level to be level 5.

Item No. 2.3

Reference: Sheet D101, Existing Security Alarm System

Description: **ADD** Coordinate removal of existing security alarm system and installation of new with Owner. Work to be done by Owner.

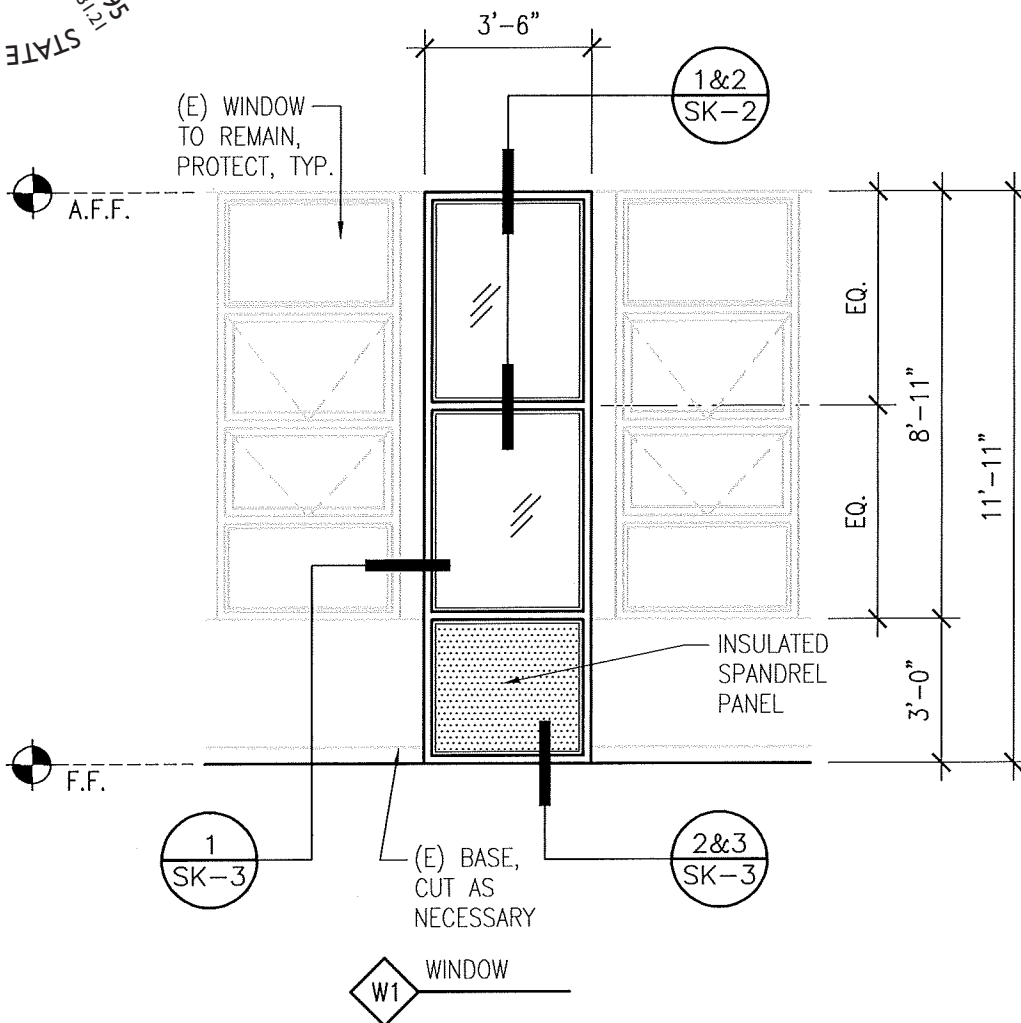
Item No. 2.4

Reference: Sheet FA2.1, Fire Alarm General Notes

Description: **ADD** Existing Fire alarm system shall remain in operation until complete installation of the new fire alarm system. After complete installation of new fire alarm system, all existing fire alarm devices or equipment that are no longer in use shall be disconnected and removed including wires and conduit up to next pull box.



END OF ADDENDUM #1



HED PROJECT NO.: 2018-03800-000

SCALE: 1/4" = 1' - 0"

HED

417 MONTGOMERY STREET SUITE 400
 SAN FRANCISCO CALIFORNIA 94104
 PHONE: 415.981.2345 FAX: 415.981.2343

WINDOW REVISION

TITLE:

ENCINAL ELEMENTARY SCHOOL

PROJECT:

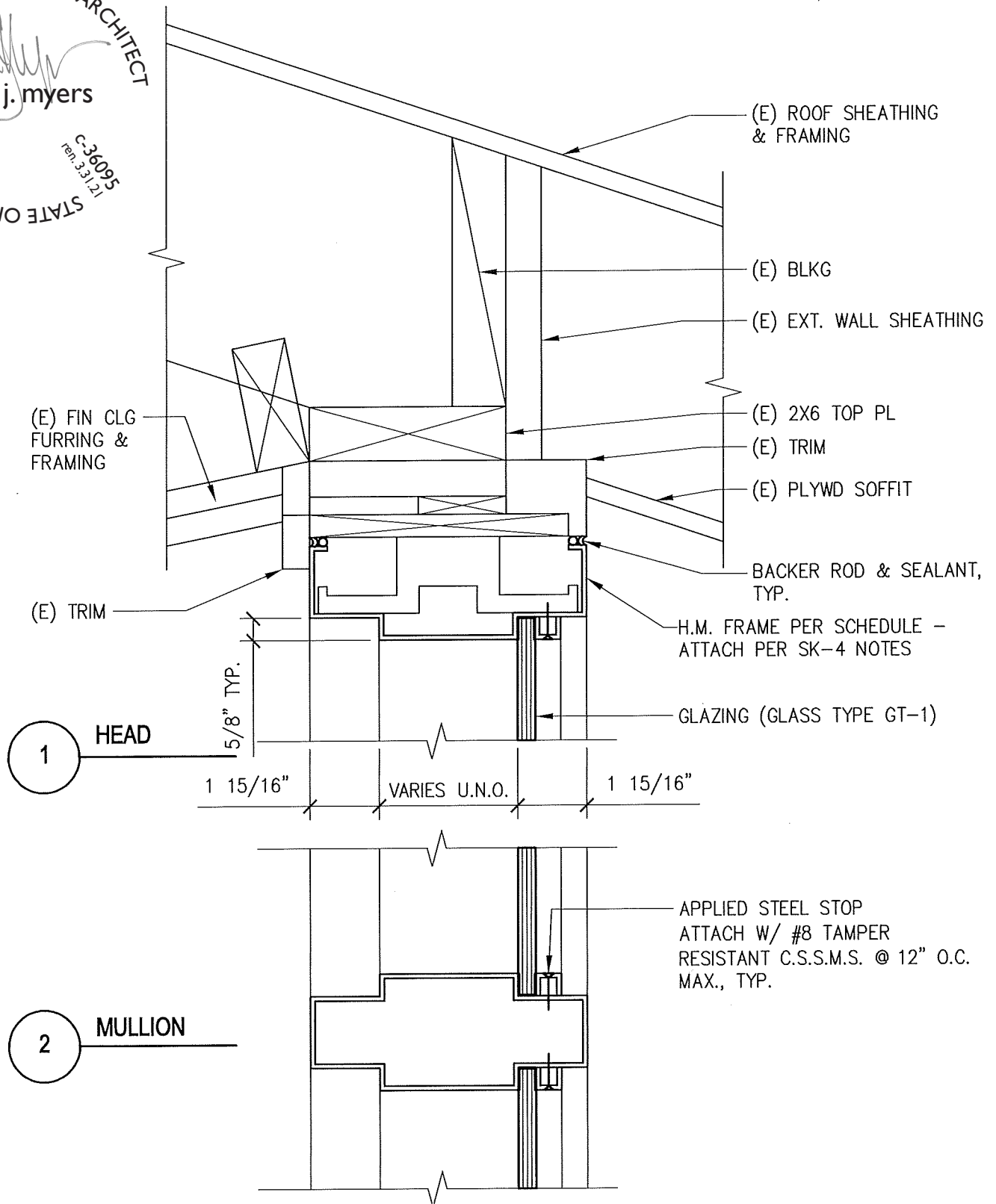
01-117917

DSA APPLICATION NO.:

04.24.2019

DATE:

AD-1/SK-1



HED PROJECT NO.: 2018-03800-000

SCALE: 3" = 1' - 0"

HED

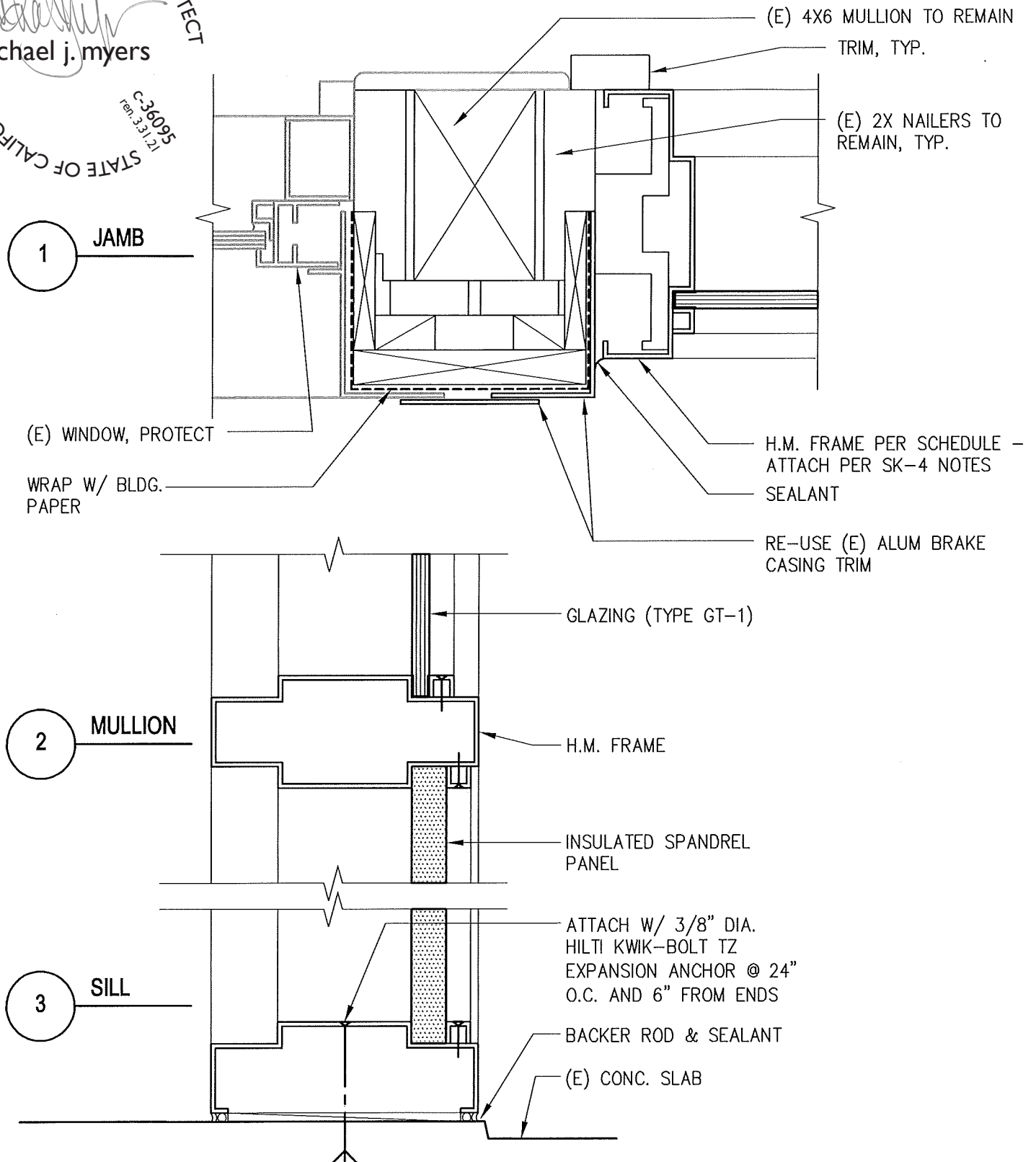
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WINDOW REVISION
 TITLE:

ENCINAL ELEMENTARY SCHOOL
 PROJECT:

01-117917
 DSA APPLICATION NO.:
 04.24.2019
 DATE:

AD-1/SK-2



HED PROJECT NO.: 2018-03800-000

SCALE: 3" = 1' - 0"

HED

417 MONTGOMERY STREET SUITE 400
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 PROJECT:

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04.24.2019
 DATE:

AD-1/SK-3



WINDOW NOTES

1. OVERALL DIMENSIONS SHOWN ARE NOMINAL DESIGN DIMENSIONS – SEE DETAILS AND FIELD VERIFY ROUGH OPENING DIMENSIONS TO DETERMINE OVERALL FABRICATION DIMENSIONS.
2. HOLLOW METAL FRAME FACE DIMENSION IS 2 INCHES U.O.N. SEE DETAILS FOR FRAME PROFILES.
3. ALL HOLLOW METAL FRAMES ARE FIELD PAINTED U.O.N.
4. CONNECT HOLLOW METAL FRAMES TO STUD ANCHORS @ 24" O.C. MAX ALL AROUND AND 9" MAX FROM ENDS – (3) PER JAMB MIN. (1) ANCHOR @ HEAD MIDSPAN @ WINDOWS WIDER THAN 3'-0". (4) #8 X 3/4" FLAT HEAD WD SCREWS PER ANCHOR TYPICAL.

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SCALE: 3" = 1' - 0"

HED

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WINDOW REVISION

TITLE:

ENCINAL ELEMENTARY SCHOOL
PROJECT:

01-117917

DSA APPLICATION NO.:

04.24.2019
DATE:

AD-1/SK-4

SECTION 08 12 13

HOLLOW METAL FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes:
 - 1. Interior standard steel frames.
 - 2. Exterior standard steel frames.
- B. Related Documents: The Conditions of the Contract and Division 1 apply to this section as fully as if repeated herein.
- C. Related Sections:
 - 1. Section 08 14 16 "Flush Wood Doors."
 - 2. Section 08 71 00 "Door Hardware."
 - 3. Section 09 91 00 "Painting" for field applied finish.

1.2 REFERENCES

- A. The editions of the specifications and standards referenced herein, published by the following organizations, apply to the work only to the extent specified by the references. Refer to Section 01 42 00 for information concerning availability and use of references.
 - American National Standards Institute (ANSI)
 - ASTM International (ASTM)
 - National Association of Architectural Metal Manufacturers (NAAMM)
 - Steel Door Institute (SDI)

1.3 DEFINITIONS

- A. Minimum Thickness: Minimum thickness of base metal without coatings according to NAAMM-HMMA 803 or SDI A250.8.

1.4 COORDINATION

- A. Coordinate anchorage installation for hollow-metal frames. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors. Deliver such items to Project site in time for installation.
- B. Coordinate requirements for installation of door hardware, and access control and security systems.
- C. Coordinate work with frame opening construction, door and hardware installation.
- D. Sequence installation to accommodate required door hardware.
- E. Verify field dimensions for factory assembled frames prior to fabrication.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, fire-resistance ratings, and finishes.
- B. Shop Drawings: Include the following:
 - 1. Elevations of each frame type.
 - 2. Frame details for each frame type, including dimensioned profiles and metal thicknesses.
 - 3. Locations of reinforcement and preparations for hardware.
 - 4. Details of each different wall opening condition.
 - 5. Details of anchorages, joints, field splices, and connections.
 - 6. Details of accessories.
 - 7. Details of moldings, removable stops, and glazing.
- C. Templates: Secure templates from finish hardware supplier for specified hardware and mounting locations.
- D. Product Schedule: For hollow-metal frames, prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings. Coordinate with final Door Hardware Schedule.
- E. Submittal procedures and quantities are specified in Section 01 33 00.

1.6 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each type of hollow-metal frame assembly, for tests performed by a qualified testing agency.

1.7 QUALITY ASSURANCE

- A. Provide frames meeting the requirements of either SDI A250.8 or NAAMM HMMA 861 for standard sizes and designs.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver hollow-metal frames palletized, packaged, or crated to provide protection during transit and Project-site storage. Do not use nonvented plastic.
 - 1. Provide additional protection to prevent damage to factory-finished units.
- B. Deliver welded frames with two removable spreader bars across bottom of frames, tack welded to jambs and mullions.
- C. Store hollow-metal frames vertically under cover at Project site with head up. Place on minimum 4-inch high wood blocking. Provide minimum 1/4-inch space between each stacked door to permit air circulation. Mark or tag each frame with the appropriate opening identification symbol.

1.9 WARRANTY

- A. Warranty: Manufacturer and Installer agree to repair or replace hollow metal frames that fail in materials or workmanship within specified warranty period.

1. Warranty Period: 2 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

Amweld Building Products, Inc.; www.blackmountaindoor.com
Ceco Corp.; www.cecodoor.com
Curries Company; www.curries.com; an Assa Abloy Group company.
Door Components; www.doorcomponents.com
Forderer Cornice Works; www.fordererdoors.com
Republic Builders Products Corporation; www.republicdoor.com
Steelcraft Manufacturing Co.; www.steelcraft.com
Titan Metal Products; www.titanmetalinc.com
Substitutions: Section 01 25 00 – Substitution Procedures.

2.2 INTERIOR STANDARD STEEL FRAMES

- A. Construct hollow-metal frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.
- B. Extra Heavy-Duty Frames: SDI A250.8, Level 3.
1. Physical Performance: Level A according to SDI A250.4.
 2. Materials: ASTM A1008, uncoated, steel sheet, minimum thickness of 16 gauge (0.053 inch).
 3. Construction: Full profile welded, grind welds smooth.
 4. Exposed Finish: Prime.

2.3 EXTERIOR STANDARD STEEL FRAMES

- A. Construct hollow-metal frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.
- B. Extra Heavy-Duty Frames: SDI A250.8, Level 3.
1. Physical Performance: Level A according to SDI A250.4.
 2. Materials: ASTM A1008, Metallic-coated steel sheet, minimum thickness of 14 gauge (0.067 inch), with minimum A60 coating.
 3. Construction: Full profile welded, grind welds smooth.
 4. Exposed Finish: Prime.

2.4 FRAME ANCHORS

- A. Jamb Anchors:
1. Type: Anchors of minimum size and type required by applicable door and frame standard, suitable for performance level indicated.

2. Stud-Wall Type: Designed to engage stud, welded to back of frames; not less than 0.042 inch thick.
 3. Compression Type for Drywall Slip-on Frames: Adjustable compression anchors.
 4. Postinstalled Expansion Type for In-Place Concrete or Masonry: Minimum 3/8-inch diameter bolts with expansion shields or inserts. Provide pipe spacer from frame to wall, with throat reinforcement plate, welded to frame at each anchor location.
- C. Floor Anchors: Where indicated, provide floor anchors for each jamb and mullion that extends to floor. Form floor anchors from same material as frames, minimum thickness of 0.042 inch, and as follows:
1. Monolithic Concrete Slabs: Clip-type anchors, with two holes to receive fasteners.
- D. Material: ASTM A 879/A 879M, Commercial Steel (CS), 04Z coating designation; mill phosphatized.

2.5 MATERIALS

- A. Recycled Content of Steel Products: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 25 percent.
- B. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications.
- C. Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.
- D. Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.
- E. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching hollow-metal frames of type indicated.
- F. Mineral-Fiber Insulation: ASTM C 665, Type I (blankets without membrane facing); consisting of fibers manufactured from slag or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively; passing ASTM E 136 for combustion characteristics.

2.6 FABRICATION

- A. Fabricate hollow-metal work to be rigid and free of defects, warp, or buckle. Accurately form metal to required sizes and profiles, with minimum radius for metal thickness. Where practical, fit and assemble units in manufacturer's plant. To ensure proper assembly at Project site, clearly identify work that cannot be permanently factory assembled before shipment.
- B. Hollow-Metal Frames: Fabricate in one piece except where handling and shipping limitations require multiple sections. Where frames are fabricated in sections, provide alignment plates or angles at each joint, fabricated of same thickness metal as frames.
 1. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
 2. Floor Anchors: Weld anchors to bottoms of jambs with at least four spot welds per anchor; however, for slip-on drywall frames, provide anchor clips or countersunk holes at bottoms of jambs.
 3. Jamb Anchors: Provide number and spacing of anchors as follows:

- a. Stud-Wall Type: Locate anchors not more than 18 inches from top and 9 inches from bottom of frame. Space anchors not more than 32 inches o.c. and as follows:
 - 1) Three anchors per jamb up to 60 inches high.
 - 2) Four anchors per jamb from 60 to 90 inches high.
 - 3) Five anchors per jamb from 90 to 96 inches high.
 - 4) Five anchors per jamb plus one additional anchor per jamb for each 24 inches or fraction thereof above 96 inches high.
- b. Compression Type: Not less than two anchors in each frame.
- c. Postinstalled Expansion Type: Locate anchors not more than 6 inches from top and bottom of frame. Space anchors not more than 26 inches o.c.
- 4. Head Anchors: Two anchors per head for frames more than 42 inches wide and mounted in metal-stud partitions.
- 5. Door Silencers: Except on weather-stripped frames, drill stops to receive door silencers as follows. Keep holes clear during construction.
 - 1) Single-Door Frames: Drill stop in strike jamb to receive three door silencers.
 - 2) Double-Door Frames: Drill stop in head jamb to receive two door silencers.
- C. Fabricate concealed stiffeners and edge channels from either cold- or hot-rolled steel sheet.
- D. Hardware Preparation: Factory prepare hollow-metal work to receive templated mortised hardware; include cutouts, reinforcement, mortising, drilling, and tapping according to SDI A250.6, the Door Hardware Schedule, and templates.
 - 1. Reinforce doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.
 - 2. Comply with applicable requirements in SDI A250.6, SDI A250.8, and BHMA A156.115 for preparation of hollow-metal work for hardware, except provide 8-gage minimum hinge reinforcement for exterior doors.
- E. Glazed Lites: Provide stops and moldings around glazed lites where indicated. Form corners of stops and moldings with mitered hairline joints.
 - 1. Provide stops and moldings flush with face of frame, and with square stops unless otherwise indicated.
 - 2. Multiple Glazed Lites: Provide fixed and removable stops and moldings so that each glazed lite is capable of being removed independently.
 - 3. Provide fixed frame moldings on outside of exterior and on secure side of interior doors and frames. Provide loose stops and moldings on inside of hollow-metal frames.
 - 4. Coordinate rabbet width between fixed and removable stops with glazing and installation types indicated.
 - 5. Provide stops for installation with countersunk flat- or oval-head machine screws spaced uniformly not more than 9 inches o.c. and not more than 2 inches o.c. from each corner.

2.7 STEEL FINISHES

- A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.
 - 1. Shop Primer: Manufacturer's standard, fast-curing, lead- and chromate-free primer complying with SDI A250.10; recommended by primer manufacturer for substrate; compatible with substrate and field-applied coatings despite prolonged exposure.

- B. Field Finish: Field finish painting is specified in Section 09 91 00 "Painting."

2.8 CLEARANCES

- A. Provide doors and frames with clearances in accordance with SDI A250.8 or NAAMM HMMA 861.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine roughing-in for embedded and built-in anchors to verify actual locations before frame installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Remove welded-in shipping spreaders installed at factory. Restore exposed finish by grinding, filling, and dressing, as required to make repaired area smooth, flush, and invisible on exposed faces.
- B. Drill and tap frames to receive nontemplated, mortised, and surface-mounted door hardware.

3.3 INSTALLATION

- A. General: Install hollow-metal frames plumb, rigid, properly aligned, and securely fastened in place. Comply with approved Shop Drawings and with manufacturer's written instructions. Comply with SDI A250.11 or NAAMM-HMMA 840 as required by standards specified.
- B. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces, leaving surfaces smooth and undamaged.
 - 1) Where frames are fabricated in sections because of shipping or handling limitations, field splice at approved locations by welding face joint continuously; grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces.
 - 2) Install frames with removable stops located on secure side of opening.
 - 3) Remove temporary braces necessary for installation only after frames have been properly set and secured.
 - 4) Check plumb, square, and twist of frames as walls are constructed. Shim as necessary to comply with installation tolerances.
- C. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor, and secure with postinstalled expansion anchors.
 - 1) Floor anchors may be set with power-actuated fasteners instead of postinstalled expansion anchors if so indicated and approved on Shop Drawings.

- D. Solidly pack mineral-fiber insulation inside frames.
- E. Installation Tolerances: Adjust hollow-metal door frames for squareness, alignment, twist, and plumb to the following tolerances:
 - 1) Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
 - 2) Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
 - 3) Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
 - 4) Plumbness: Plus or minus 1/16 inch, measured at jambs at floor.

3.4 ADJUSTING AND CLEANING

- A. Final Adjustments: Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including hollow-metal work that is warped, bowed, or otherwise unacceptable.
- B. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.

END OF SECTION

04/24/19