



SECTION 08 31 13 – ACCESS PANELS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes:
 - 1. Access panels required for access to concealed equipment and assemblies.

1.2 SUBMITTALS

- A. Data: Submit the following manufacturer product data.
 - 1. For each type of door and frame indicated, including compliance with Code requirements for those in fire-resistive assemblies.
 - 2. Include construction details relative to materials, individual components and profiles, finishes, and fire ratings for access doors and frames.
 - 3. Supplement with shop drawings where required to show special installation conditions.
- B. Mockup of 12” x 12” door and frame with FSIC locking mechanism.
- C. Samples: Submit samples for each door face materials, at least 3 by 5 inches, in specified finish.
- D. Schedule: Submit complete door and frame schedule, including types, general locations, sizes, construction details, latching or locking provisions, and other data pertinent to installation.
- E. Closeout: Deliver keys properly tagged to the Owner.

1.3 QUALITY ASSURANCE

- A. All access panels for the Project shall be made by the same manufacturer.
- B. In fire-resistive construction, provide fire-resistive assemblies bearing the label of a testing agency acceptable to the Building Department for the fire resistance indicated.

PART 2 - PRODUCTS

2.1 ACCESS PANELS

- A. General: Provide trimless, stainless steel units prepared to accept cylinder lock specified in Section 08 71 00.



- B. Manufacturers: Basis of design is for Nystrom products. Equal products by one of the following manufacturers will be acceptable if approved by the Owner.
1. Elmdor Manufacturing Co.
 2. JL Industries
 3. Karp Associates, Inc.
 4. Milcor.
 5. Williams Brothers Corp.
- C. Models:
1. In non-rated gypsum board surfaces, except as specified below: Nystrom Type NW.
 - a. Material: Commercial grade cold-rolled steel with 16 gauge (0.053 inch) frame and 14-gauge (0.067 inch) door.
 - b. Trim: 22-gauge (0.0299 inch) steel drywall bead.
 2. In fire-rated gypsum board surfaces, except as specified below: Nystrom Type IT.
 - a. Material: Commercial grade cold-rolled steel with 16-gauge (0.053 inch) frame and 14-gauge (0.067 inch) door.
 - b. Insulation: 2-inch thick fire-resistive insulation sandwiched between the faces.
 - c. Trim: 1 in. wide exposed flange at tile installation and 22-gauge (0.0299 inch) steel drywall bead, as required by job conditions.
 3. Toilet Room walls and ceilings (non-rated): Nystrom Type NT.
 - a. Material: Stainless steel, 16-gauge (0.053 inch) frame and 14-gauge (0.067 inch) door.
 - b. Trim: 1 in. wide exposed flange at tile installation and 22-gauge (0.0299 inch) steel drywall bead, as required by job conditions.
 4. Toilet Room walls and ceilings (fire-rated): Nystrom Type IT.
 - a. Material: Stainless steel, 16-gauge (0.053 inch) frame and 14-gauge (0.067 inch) door.
 - b. Insulation: 2-inch thick fire-resistive insulation sandwiched between the faces.
 - c. Trim: 1 in. wide exposed flange at tile installation and 22-gauge (0.0299 inch) steel drywall bead, as required by job conditions.
 5. Size: Unless otherwise indicated on the Drawings and approved by LAWA PDG and FTSD Management, provide 30-inch square or larger opening where a service person needs to enter the space accessible through the access door or panel; elsewhere not less than 12-inch square.

2.2 MATERIALS

- A. General:
1. Provide sheet metal selected for its surface flatness, smoothness and freedom from surface blemishes where exposed to view in the finished unit.



2. Do not use materials whose exposed surfaces exhibit pitting, seam marks, roller marks, variations in flatness exceeding those permitted by referenced standards for stretcher-leveled metal sheet, stains, discoloration or other imperfections.
- B. Steel sheet: Commercial quality cold-rolled carbon steel sheet, stretcher-leveled, complying with the following requirements at the fabricator's option.
1. Electrolytic zinc-coated steel sheet: ASTM A591, with Class C zinc coating; chemically treated in mill with phosphate solution and light chromate rinse.
 2. Cold-rolled steel sheet: ASTM A1008
- C. Stainless steel sheet: ASTM A167, Type 302 or 304, stretcher-leveled.
- D. Hardware:
1. Hinges: Concealed spring hinges or concealed continuous piano hinge set to open 175-degree. For fire-resistive units, provide self-closing mechanism.
 2. Locking device: Shall accept LAWA standard Full Size Interchangeable Core (FSIC) format (less core). Locking device is required to hold door in flush, smooth plane when closed. Keying shall match existing.
 - a. Provide a minimum of (1) one cylinder lock for doors up to 24 in. x 24 in. and (2) two cylinder locks for doors greater than 24 in. tall. Furnish (2) two keys per lock. Key all locks alike, unless otherwise noted.
 - b. For locks on panels 30 inches or larger in any dimension, provide interior latch mechanism to allow door to be opened from the inside without a key.

2.3 FABRICATION

- A. Fabricate to profiles indicated without exposed cut edges.
- B. Produce flat, flush surfaces without cracking and grain separation at bends.
- C. Continuously weld exposed joints and seams; grind, fill, and dress welds to produce smooth flush exposed surfaces in which welds are invisible after final finishing is completed.
- D. Prepare doors to accept cylinder locks.
- E. Finish:
1. When installed in ceramic tile surfaces, provide stainless steel panels finished with a NAAMM No. 4 (brushed) finish.
 2. Elsewhere provide access panels with a baked-on rust-inhibitive primer.



PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine adjacent construction and supports.
- B. Verify that openings are properly framed, within allowable tolerances, plumb, level, clean, will provide a solid anchoring surface, and that other conditions detrimental to the proper or timely completion of this work are corrected before proceeding with installation.

3.2 INSTALLATION

- A. Install at indicated locations, plumb, level, and square with adjacent construction.
- B. Attached assemblies securely to supports.
- C. When installed in ceramic tile surfaces, coordinate panel location with the tile work so that the panel will align and fit within the tile module with no tile cutting, or a minimum of cutting.

3.3 FIELD QUALITY CONTROL

- A. Adjust hardware so the panels operate freely, but not loosely, without sticking or hinge binding, with hardware adjusted and functioning properly.

END OF SECTION 08 31 13