SECTION 08 31 00

WALL AND CEILING ACCESS PANELS AND FRAMES

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\*\* NOTE TO SPECIFIER \*\* FF Systems, Inc.; Access panel and frame products.  
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This section is based on the products of FF Systems, Inc., which is located at:  
4841 Waycross Rd.  
Ft Myers, FL 33905  
Toll Free Tel: 888-978-1808  
Tel: 239-288-4255  
Fax: 239- 288-4251  
Email: [request info (manuela.lyons@ffsystemsinc.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=FF+Systems,+Inc.&coid=47238&rep=&fax=239-)  
Web: <http://www.ffsystemsinc.com>   
 [ [Click Here](http://www.arcat.com/arcatcos/cos47/arc47238.html) ] for additional information.  
FF Systems Inc. was established in 1991 in Arnstorf Germany. After 10 years of researching information about the construction and building industry the company began manufacturing access panels in 2003.  
The innovative design is attributed to the German engineering and technology, which has made FF Systems one of the leaders in the European market for access panel manufacturers and distributors.  
The headquarters is now located in Bavarian area of Germany in a 50,000 sf facility. There are also production facilities located in Slovakia, Poland and Italy with a total of 150 employees.  
FF Systems is doing business with 20+ countries throughout Europe including France, England, Hungary, Czech Republic, Denmark, Luxembourg, Austria, Bulgaria, Romania, Russia, Ukraine, Switzerland and Spain.  
Our success is attributed to our unwavering commitment to customer satisfaction and uncompromising quality.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Non-Rated Wall and Ceiling Access Doors with Frames
    2. Rated Access Wall and Ceiling Doors with Frames
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 09 90 00 - Painting and Coating.
    2. Section 23 33 00 - Air Duct Accessories.
    3. Section 03 11 19 - Insulating Concrete Forming.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. NFPA 80 - Standard for Fire Doors, Fire Windows.
    2. UL - Building Materials Directory.
    3. WH - Certification Listings.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Sizes, types, finishes, hardware, scheduled locations, fire resistance listings.
        2. Preparation instructions and recommendations.
        3. Storage and handling requirements and recommendations.
        4. Installation methods.
     3. Shop Drawings: Indicate exact position of access door units.
     4. Verification Samples: For each finish product specified, two samples, minimum size 12 inches (300 mm) square, representing actual product and anchors.
     5. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
  2. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified with minimum three years documented experience.
     2. Installer Qualifications: Company specializing in installing products specified with minimum three years documented experience.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
       1. Finish areas designated by Architect.
       2. Do not proceed with remaining work until workmanship is approved by Architect.
       3. Refinish mock-up area as required to produce acceptable work.
  1. DELIVERY, STORAGE, AND HANDLING
     1. Store products in manufacturer's unopened packaging until ready for installation.
  2. COORDINATION
     1. Coordinate Work with work requiring controls, valves, traps, dampers, cleanouts, and similar items requiring operation being located behind finished surfaces.
     2. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
  3. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: FF Systems, Inc., which is located at: 4841 Waycross Rd.; Ft Myers, FL 33905; Toll Free Tel: 888-978-1808; Tel: 239-288-4255; Fax: 239- 288-4251; Email: [request info (manuela.lyons@ffsystemsinc.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=FF+Systems,+Inc.&coid=47238&rep=&fax=239-); Web: <http://www.ffsystemsinc.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Select the Non-Rated Access Panel(s) and Frames required the following paragraphs and delete the ones not required. If multiple types are required indicate the location of each on the schedule at the end of this section and/or on the Drawings

* 1. NON-RATED WALL AND CEILING ACCESS PANELS AND FRAMES
     1. System F1 - Non Removable Aluminum Hatch: Welded aluminum outer and inner frame with two latches and a 1/16 inch reveal. With or without drywall inlay for ceilings, drywall and various applications.
        1. Styles:

\*\* NOTE TO SPECIFIER \*\* Select the style(s) required the following paragraphs and delete the ones not required.

* + - * 1. Drywall Inlay F1:

\*\* NOTE TO SPECIFIER \*\* Select the drywall size(s) required the following paragraphs and delete the one not required.

1/2 inch

5/8 inch

None.

* + - * 1. DensGlass / Other Building Products.
        2. Acoustical Ceiling Tile F1.
      1. Size:

\*\* NOTE TO SPECIFIER \*\* Select the size(s) required the following paragraphs and delete those not required.

* + - * 1. 8 inches by 8 inches
        2. 12 inches by 12 inches
        3. 16 inches by 16 inches.
        4. 20 inches by 20 inches.
        5. 24 inches by 24 inches.
        6. Custom size as indicated on the Drawings.
        7. Sizes as indicated on the Drawings
      1. Lock:

\*\* NOTE TO SPECIFIER \*\* Select the lock required the following paragraphs and delete those not required.

* + - * 1. Four-square lock.
        2. Round cylinder lock.
        3. Profile cylinder.
    1. System F2 - Removable Aluminum Hatch: Welded aluminum outer and inner frame with two latches and a 1/16 inch reveal. With or without drywall inlay for ceilings, drywall and various applications.
       1. Styles:

\*\* NOTE TO SPECIFIER \*\* Select the style(s) required the following paragraphs and delete the ones not required.

* + - * 1. Drywall Inlay F2:

\*\* NOTE TO SPECIFIER \*\* Select the drywall size(s) required the following paragraphs and delete the one not required.

1/2 inch

5/8 inch

None.

* + - * 1. DensGlass / Other Building Products.
        2. Air-Proof F2/AKL.
        3. Acoustical Ceiling Tile F2.
        4. Concrete Block System F2/M.
      1. Size:

\*\* NOTE TO SPECIFIER \*\* Select the size(s) required the following paragraphs and delete those not required.

* + - * 1. 8 inches by 8 inches
        2. 12 inches by 12 inches
        3. 16 inches by 16 inches.
        4. 20 inches by 20 inches.
        5. 24 inches by 24 inches.
        6. Custom size as indicated on the Drawings.
        7. Sizes as indicated on the Drawings
      1. Lock:

\*\* NOTE TO SPECIFIER \*\* Select the lock required the following paragraphs and delete those not required.

* + - * 1. Four-square lock.
        2. Round cylinder lock.
        3. Profile cylinder.
    1. System F3 - Aluminum Tile Hatch: Welded aluminum outer and inner frame with two latches and a 1/16 inch reveal. Hatch is fully removable.
       1. Size: Made to measure sizes.
          1. Custom size(s) as indicated on the Drawings.
       2. Type:

\*\* NOTE TO SPECIFIER \*\* Select the type(s) required the following paragraphs and delete the one not required.

* + - * 1. Tiled Door Leaf: Profile flush with board with tiles placed on the door profile.
        2. Tiling Into Frame: Profile is higher than the board with tile place into the frame.
      1. Lock:

\*\* NOTE TO SPECIFIER \*\* Select the lock required the following paragraphs and delete those not required.

* + - * 1. Four-square lock.
        2. Round cylinder lock.
        3. Profile cylinder.
    1. System B1 -Removable Steel Hatch with Four-Square Cam Lock: Solid outer door and frame of 20 gauge galvanized steel outer frame with four-square cam lock for wall and ceiling applications. Panel is white powder coated.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Select the size(s) required the following paragraphs and delete those not required.

* + - * 1. 6 inches by 6 inches
        2. 8 inches by 8 inches
        3. 10 inches by 10 inches
        4. 12 inches by 12 inches
        5. 16 inches by 16 inches.
        6. 20 inches by 20 inches.
        7. 24 inches by 24 inches.
        8. 32 inches by 32 inches
        9. Sizes as indicated on the Drawings
    1. System B2 -Removable Steel Hatch with Touch Latch System: 20 gauge galvanized steel outer frame with touch latch for wall and ceiling applications. Panel is white powder coated.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Select the size(s) required the following paragraphs and delete those not required.

* + - * 1. 6 inches by 6 inches
        2. 8 inches by 8 inches
        3. 10 inches by 10 inches
        4. 12 inches by 12 inches
        5. 16 inches by 16 inches.
        6. 20 inches by 20 inches.
        7. 24 inches by 24 inches.
        8. Sizes as indicated on the Drawings
    1. System B3 -Removable Steel Hatch with Cylinder Lock: 20 gauge galvanized steel outer frame with cylinder lock for wall and ceiling applications. Panel is white powder coated.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Select the size(s) required the following paragraphs and delete those not required.

* + - * 1. 6 inches by 6 inches
        2. 8 inches by 8 inches
        3. 10 inches by 10 inches
        4. 12 inches by 12 inches
        5. 16 inches by 16 inches.
        6. 20 inches by 20 inches.
        7. 24 inches by 24 inches.
        8. Sizes as indicated on the Drawings

\*\* NOTE TO SPECIFIER \*\* Select the style(s) required the following paragraphs and delete the ones not required. If multiple types are required indicate the location of each on the schedule at the end of this section and/or on the Drawings

* + 1. All Purpose BNT Flush Door: 16 gauge cold rolled steel door with 16 gauge cold rolled steel frame and 1 inch flange for all surfaces. With Cam latch and concealed spring pin hinge up to 20 inch and piano hinge for 24 inch and above. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Tape-In BNW Flush Door: 16 gauge cold rolled steel door with 16 gauge cold rolled steel frame and 22 gauge galvanized drywall corner bead. With Cam latch and concealed piano hinge. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Plaster BNP Flush Door: 16 gauge cold rolled steel door with 16 gauge cold rolled steel frame and 22 gauge galvanized plaster casing bead. With Cam latch and concealed piano hinge. Provided with powder coat finish.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. No Flange BRA Flush Door: 16 gauge cold rolled steel door with 16 gauge cold rolled steel frame with no flange and a 5/8 inch deep pan to receive infill material to match adjacent surfaces. With Cam latch and concealed pivoting rod. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Tape-In BRW Flush Door: 16 gauge cold rolled steel door with 16 gauge cold rolled steel frame with 22 gauge galvanized tape in bead flange and a 5/8 inch deep pan to receive infill material to match adjacent surfaces. With Cam latch and concealed pivoting rod. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Plaster BRP Flush Door: 16 gauge cold rolled steel door with 16 gauge cold rolled steel frame with 22 gauge galvanized plaster casing bead and a 5/8 inch deep pan to receive plaster infill material to match adjacent surfaces. With Cam latch and concealed pivoting rod. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required the following paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. All Purpose BMT Flush Medium Security Door: 12 gauge cold rolled steel door with 12 gauge cold rolled steel frame and 1 inch flange for all surfaces. With Pinned Allen Head Cam latch and concealed piano hinge. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Tape-In BMW Flush Medium Security Door: 12 gauge cold rolled steel door with 12 gauge cold rolled steel frame and 22 gauge galvanized drywall corner bead. With Cam latch and concealed piano hinge. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Plaster BMP Flush Medium Security Door: 12 gauge cold rolled steel door with 12 gauge cold rolled steel frame and 22 gauge galvanized plaster casing bead. With Cam latch and concealed piano hinge. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BHS Flush High Security Door: 10 gauge cold rolled steel door with 2 inch by 2 inch by 3/16 inch steel angle frame. With security screw access and surface mounted heavy-duty butt hinges. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BTS Flush Top Security Door: 7 gauge cold rolled steel door with 2 inch by 2 inch by 3/16 inch steel angle frame. With security screw access and surface mounted heavy-duty butt hinges. Prepared for detention lock. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Lightweight BLW Flush Door: 26 gauge embossed steel door with .045 inch 6063-T5 extruded aluminum frame. Door is insulated with 3/4 inch polystyrene. With Cam latch and aluminum piano hinge. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Draft Stop BDTK Flush Door: 14 gauge cold rolled steel door with 16 gauge cold rolled steel frame and 1 inch flange. With latch bolt and concealed piano hinge. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. Exterior BXT Flush Door: 22/24 gauge galvanized steel door with .080 inch 6063-T5 extruded aluminum frame. Door is insulated with 2.25 lb density polystyrene with R13 insulating value. With dual-acting chrome plated handle, aluminum piano hinge and extruded Santoprene gasketing. Provided with powder coat finish.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Select the Fire Rated Access Panel(s) and Frames required the following paragraphs and delete the ones not required. If multiple types are required indicate the location of each on the schedule at the end of this section and/or on the Drawings

* 1. FIRE RATED WALL AND CEILING ACCESS PANELS AND FRAMES
     1. System F5 - Fire Rated Aluminum Access Panel: Welded aluminum outer and inner frames with inlayed drywall of 1.25 inches. With or without drywall inlay for ceilings, drywall and various applications. With latch bolt and flush piano hinge. Provided with powder coat finish. Panel has a UL/ULc "B" Label for 60 minutes in vertical surfaces with a maximum temperature rise of 250 degree F for 30 minutes and is hose stream certified.
        1. Size:

\*\* NOTE TO SPECIFIER \*\* Select the size(s) required the following paragraphs and delete those not required.

* + - * 1. 8 inches by 8 inches
        2. 12 inches by 12 inches
        3. 16 inches by 16 inches.
        4. 18 inches by 18 inches.
        5. Custom size as indicated on the Drawings.
        6. Sizes as indicated on the Drawings
      1. Lock:
         1. Profile cylinder lock.
    1. BI-Series: BIT - All Purpose Fire-Rated Access Panels: BIT fire-rated 20 gauge cold rolled steel doors with 16 gauge cold rolled steel frame and a 1 inch exposed flange for flush installation in any vertical or horizontal surfaces. With knob/key operated latch bolt with interior latch release and flush piano hinge. Insulated with 2 inch fire rated mineral fiber. Provided with powder coat finish. UL/ULc Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BI-Series: BIW - Tape-In Fire-Rated Access Panels: BIW fire-rated 20 gauge cold rolled steel doors with 16 gauge cold rolled steel frame with a tape in drywall bead flange. With knob/key operated latch bolt with interior latch release and flush piano hinge. Insulated with 2 inch fire rated mineral fiber. Provided with powder coat finish. UL/ULc Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BI-Series: BIP - Plaster Fire-Rated Access Panels: BIP fire-rated 20 gauge cold rolled steel doors with 16 gauge cold rolled steel frame with plaster casing bead frames for a concealed appearance in vertical or horizontal plaster surfaces. With knob/key operated latch bolt with interior latch release and flush piano hinge. Insulated with 2 inch fire rated mineral fiber. Provided with powder coat finish. UL/ULc Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BI-Series: BUT - All Purpose Uninsulated Fire-Rated Access Panels: BUT fire-rated 14 gauge cold rolled steel doors with 16 gauge cold rolled steel frame. BUT fire rated access doors provide access through fire rated vertical surfaces, in any material including drywall, plaster, and CMU. With knob/key operated latch bolt with interior latch release and flush piano hinge. Provided with powder coat finish. UL/ULc Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BI-Series: BUW - Tape-In Uninsulated Fire-Rated Access Panels: BUW fire-rated 14 gauge cold rolled steel doors with 16 gauge cold rolled steel frame with a tape in drywall bead flange. With knob/key operated latch bolt with interior latch release and flush piano hinge. Provided with powder coat finish. UL/ULc Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BI-Series: BUP - Plaster Uninsulated Fire-Rated Access Panels: BUP fire-rated 14 gauge cold rolled steel doors with 16 gauge cold rolled steel frame with plaster casing bead frames for a concealed appearance in vertical or horizontal plaster surfaces. With knob/key operated latch bolt with interior latch release and flush piano hinge. Provided with powder coat finish. UL/ULc Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BS-Series: BST - All Purpose Insulated Fire-Rated Security Access Panels: BST fire-rated 14 gauge cold rolled steel doors with 16 gauge cold rolled steel frame with one inch exposed flange for flush installation in any vertical or horizontal surfaces. With mortise preparation for a 1-1/8 inch mortise cylinder and flush piano hinge. Insulated with 2 inch fire rated mineral fiber insulation. Provided with powder coat finish. UL/ULc Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BS-Series: BSW - Tape in Insulated Fire-Rated Security Access Panels: BSW fire-rated 14 gauge cold rolled steel doors with 16 gauge cold rolled steel frame with a tape in bead flange for a concealed appearance in vertical drywall. With mortise preparation for a 1-1/8 inch mortise cylinder and flush piano hinge. Insulated with 2 inch fire rated mineral fiber insulation. Provided with powder coat finish. UL/ULc Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BS-Series: BSP - Plaster Insulated Fire-Rated Security Access Panels: BSP fire-rated 14 gauge cold rolled steel doors with 16 gauge cold rolled steel frame with plaster casing bead for a concealed appearance in a plasterwall. With mortise preparation for a 1-1/8 inch mortise cylinder and flush piano hinge. Insulated with 2 inch fire rated mineral fiber insulation. Provided with powder coat finish. UL Listed "B" label for 1-1/2 hours in vertical surfaces (maximum temperature rise to 250F in 30 minutes). Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

Insert the size(s) required from the following two paragraphs and delete the one not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BS-Series: BFRD - Oversized Fire-Rated Access Panels: BFRD fire-rated 18 gauge cold rolled steel doors with 16 gauge cold rolled steel frame. Double leaf design with removable mullion. Provided with 1/4 inch Allen head key and automatic panel closer and concealed continuous rod hinge. Insulated with 1-1/2 inch high temperature insulation. Provided with powder coat finish. Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required. Available with sizes larger than 24 inches by 36 inches in horizontal surfaces. Contact the manufacturer for additional information.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BS-Series: BFRU - Oversized Upward Opening Fire-Rated Access Panels: BFRU fire-rated 18 gauge cold rolled steel doors with 16 gauge cold rolled steel frame. Upward opening access doors provide access through openings in fire rated horizontal surfaces. Provided with 1/4 inch Allen head key and concealed continuous piano hinge. Insulated with 1-1/2 inch high temperature insulation. Provided with powder coat finish. Warnock-Hersey listed for 3 hours in horizontal surfaces.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Insert the size(s) required from the following two paragraphs and delete the one not required. Available with sizes larger than 24 inches by 36 inches in horizontal surfaces. Contact the manufacturer for additional information.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
    1. BS-Series: BRU - Recessed Tile Access Door Insulated Fire-Rated Security Access Panels: BST fire-rated 14 gauge cold rolled steel doors with 16 gauge cold rolled steel frame for flush installation in vertical or horizontal ceramic tile surfaces. With flush key operated lock and cabinet type hinge. Provided with powder coat finish. UL Listed "B" label for 1-1/2 hours in vertical surfaces.
       1. Size:

\*\* NOTE TO SPECIFIER \*\* Select the size(s) required the following paragraphs and delete those not required.

* + - * 1. \_\_ inches by \_\_ inches.
        2. Sizes as indicated on the Drawings.
  1. FLOOR ACCESS COVERS

\*\* NOTE TO SPECIFIER \*\* Suitable for pedestrian traffic, including wheeled trolleys and sack trucks. Capable of receiving all types of hard floor finishes, ceramic tiles, marble, terrazzo, concrete, resin or parquet floors.

* + 1. Small Access Covers:
       1. 3500 Series - Single Access Cover - Aluminum with steel baseplate.
          1. Overall frame size is the clear opening plus 3-3/4 inches.
          2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 10 inches by 10 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 1-3/8 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraph is optional. Delete if not required.

* + - * 1. Provide with optional single seals and secured.
      1. 3500 Series - Duct Access Cover - Aluminum with steel baseplate.
         1. Overall frame size is the clear opening plus 3-3/4 inches.
         2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 10 inches by 10 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 1-3/8 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraph is optional. Delete if not required.

* + - * 1. Provide with optional single seals and secured.

\*\* NOTE TO SPECIFIER \*\* Light duty, suitable for pedestrian traffic, including wheeled trolleys and sack trucks. Capable of receiving all types of hard floor finishes, ceramic tiles, marble, terrazzo, concrete, resin or parquet floors.

* + 1. Light Duty Access Covers:
       1. 5000 Series - Single Access Cover - Aluminum, brass or PVC edge with steel baseplate and reinforcement.
          1. Edge:

\*\* NOTE TO SPECIFIER \*\* Select the edge required from the following paragraphs and delete those not required.

Aluminum.

Brass.

PVC Coloredge

Black.

Forest Green.

White.

Slate Grey.

Terracotta.

Sandstone.

* + - * 1. Overall frame size is the clear opening plus 4-3/4 inches.
        2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 29-1/2 inches by 29-1/2 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals and secured.
        2. Provide with 1 hour fire rating to BS 476: Part 20: 1987.
      1. 5000 Series - Single Access Cover - Stainless Steel edge with steel baseplate and reinforcement.
         1. Overall frame size is the clear opening plus 5-1/8 inches.
         2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 29-1/2 inches by 29-1/2 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. Provide with 1 hour fire rating to BS 476: Part 20: 1987.
        3. Provide with Inset lifting points.
      1. 5000 Series - Duct Access Cover - Aluminum, brass or PVC edge with steel baseplate and reinforcement.
         1. Edge:

\*\* NOTE TO SPECIFIER \*\* Select the edge required from the following paragraphs and delete those not required.

Aluminum.

Brass.

PVC Coloredge

Black.

Forest Green.

White.

Slate Grey.

Terracotta.

Sandstone.

* + - * 1. Overall frame size is the clear opening plus 4-3/4 inches.
        2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 24 inches by 24 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. Provide with Inset lifting points.
      1. 5000 Series - Duct Access Cover - Stainless Steel edge with steel baseplate and reinforcement.
         1. Overall frame size is the clear opening plus 5-1/8 inches.
         2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 24 inches by 24 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. Provide with Inset lifting points.
      1. 5000 Series - Multipart Access Cover - Aluminum, Brass or PVC edge with steel baseplate and reinforcement.
         1. Edge:

\*\* NOTE TO SPECIFIER \*\* Select the edge required from the following paragraphs and delete those not required.

Aluminum.

Brass.

PVC Coloredge

Black.

Forest Green.

White.

Slate Grey.

Terracotta.

Sandstone.

* + - * 1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 29-1/2 inches by 29-1/2 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals and secured.
      1. 5000 Series - Multipart Access Cover - Stainless Steel edge with steel baseplate and reinforcement.
         1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 24 inches by 24 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. Provide with Inset lifting points.

\*\* NOTE TO SPECIFIER \*\* Medium duty, suitable for up to 5 ton pneumatic tire wheel load - cars and light delivery vehicles. Capable of receiving all types of hard floor finishes, ceramic tiles, marble, terrazzo, concrete, resin or parquet floors.

* + 1. Medium Duty Access Covers:
       1. 7500 Series - Single Access Cover - Aluminum, brass or PVC edge with steel baseplate and reinforcement.
          1. Edge:

\*\* NOTE TO SPECIFIER \*\* Select the edge required from the following paragraphs and delete those not required.

Aluminum.

Brass.

PVC Coloredge

Black.

Forest Green.

White.

Slate Grey.

Terracotta.

Sandstone.

* + - * 1. Overall frame size is the clear opening plus 4-3/4 inches.
        2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 36 inches by 36 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 3 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals and secured.
        2. Provide with 3 hour fire rating to BS 476: Part 20: 1987.
      1. 7500 Series - Single Access Cover - Stainless Steel edge with steel baseplate and reinforcement.
         1. Overall frame size is the clear opening plus 5-1/8 inches.
         2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 36 inches by 36 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 3 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. Provide with 3 hour fire rating to BS 476: Part 20: 1987.
        3. Provide with Inset lifting points.
      1. 7500 Series - Duct Access Cover - Aluminum, brass or PVC edge with steel baseplate and reinforcement.
         1. Edge:

\*\* NOTE TO SPECIFIER \*\* Select the edge required from the following paragraphs and delete those not required.

Aluminum.

Brass.

PVC Coloredge

Black.

Forest Green.

White.

Slate Grey.

Terracotta.

Sandstone.

* + - * 1. Overall frame size is the clear opening plus 4-3/4 inches.
        2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 36 inches by 36 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 3 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. 2 hour fire rating to BS 476: Part 20: 1987.
      1. 7500 Series - Duct Access Cover - Stainless Steel edge with steel baseplate and reinforcement.
         1. Overall frame size is the clear opening plus 5-1/8 inches.
         2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 24 inches by 24 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 3 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. 2 hour fire rating to BS 476: Part 20: 1987.
        3. Provide with Inset lifting points.
      1. 7500 Series - Multipart Access Cover - Aluminum, Brass or PVC edge with steel baseplate and reinforcement.
         1. Edge:

\*\* NOTE TO SPECIFIER \*\* Select the edge required from the following paragraphs and delete those not required.

Aluminum.

Brass.

PVC Coloredge

Black.

Forest Green.

White.

Slate Grey.

Terracotta.

Sandstone.

* + - * 1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 24 inches by 24 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 3 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals and secured.
        2. 2 hour fire rating to BS 476: Part 20:1987.
      1. 7500 Series - Multipart Access Cover - Stainless Steel edge with steel baseplate and reinforcement.
         1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 4 inches by 4 inches to 24 inches by 24 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 3 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals and secured.
        2. 2 hour fire rating to BS 476: Part 20:1987.
        3. Inset lifting points.

\*\* NOTE TO SPECIFIER \*\* Heavy duty, suitable for up to 7 ton pneumatic tire wheel load (C250). Suitable for all types of hard floor finishes including external grade paving slabs such as granite and concrete.

* + 1. Heavy Duty Access Covers::
       1. 1050 Series - Single Access Cover - Stainless Steel with steel baseplate and reinforcement.
          1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 36 inches by 36 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 5-1/8 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals and secured.
        2. Inset lifting points.
      1. 1050 Series - Duct Cover - Stainless Steel with steel baseplate and reinforcement.
         1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 36 inches by 36 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 5-1/8 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals and secured.
        2. Inset lifting points.
      1. 1050 Series - Multipart Cover - Stainless Steel with steel baseplate and reinforcement.
         1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 36 inches by 36 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 5-1/8 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals and secured.
        2. Inset lifting points.

\*\* NOTE TO SPECIFIER \*\* Light duty, suitable for pedestrian traffic, including wheeled trolleys and sack trucks. Suitable for all types of heavy duty timber floors, Junckers solid hardwood floors, timber strip flooring, heavy duty laminate flooring.

* + 1. Wood Floor Access Cover - Stainless steel trim.
       1. 2500 Series - Wooden Floor Access Cover Trim - Stainless Steel
          1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 36 inches by 36 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 1 inch.

\*\* NOTE TO SPECIFIER \*\* Pedestrian traffic - including wheeled trolleys and sack trucks. Suitable for all types of flexible floor finish including vinyl, linoleum, rubber and some carpets.

* + 1. Flexible Floor Access Covers:
       1. Visedge Series - Single Access Cover - Aluminum frames with steel base plates, reinforcement and securing bolts.
          1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 40 inches by 48 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall frame size clear opening plus 5-3/8.
        2. Overall Depth 2 inches.
      1. Visedge Series - Duct Cover - Aluminum frames with steel base plates, reinforcement and securing bolts.
         1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 40 inches by 48 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall frame size clear opening plus 5-3/8.
        2. Overall Depth 2 inches.
      1. Visedge Series - Multipart Cover - Aluminum frames with steel base plates, reinforcement and securing bolts.
         1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 40 inches by 48 inches. Due to the potentially complex design of aluminum multipart access cover layouts consult with manufacturer's Technical Department to achieve recommendations for the optimum and most economical layout for the given installation.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall frame size clear opening plus 5-3/8.
        2. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* Medium duty, suitable for up to 5 ton pneumatic tire wheel load - cars and light delivery vehicles. Suitable for all hard floor finish, ceramic tiles, marble, terrazzo, concrete, resin, wood or parquet floors.

* + 1. Hinges Floor Access Covers:
       1. HSE 75 Series - Hinged Single/Duct Access Hatch/Cover - Aluminum with steel baseplate and reinforcements.
          1. Overall frame size is the clear opening plus 5-1/8 inches.
          2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 40 inches by 40 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 3 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. Provide with underside release latch.
        3. 3 hour fire rating to BS 476: Part 20: 1987 for single, 2 hour fire rating to BS 476: Part 20: 1987 for duct and other variations.
      1. HSE 75 Series - Hinged Hatch - Single/Duct Access Cover - Stainless Steel with steel baseplate and reinforcements.
         1. Overall frame size is the clear opening plus 5-1/8 inches.
         2. Clear Opening:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 17-3/4 inches by 17-3/4 inches to 41-3/8 inches by 41-3/8 inches. Select one of the following size(s) paragraphs and delete those not required.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall Depth 3 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional double seals.
        2. Provide with underside release latch.
        3. 3 hour fire rating to BS 476: Part 20: 1987 for single, 2 hour fire rating to BS 476: Part 20: 1987 for duct and other variations.

\*\* NOTE TO SPECIFIER \*\* Tread Plate Access Covers Light duty, suitable for pedestrian traffic - including wheeled trolleys and sack trucks. Suitable for all hard floor finishes including ceramic tiles, marble, terrazzo, concrete, resin.

* + 1. Tread Plate Access Covers:
       1. 5 Bar - Tread Plate Single Access Hatch/Cover - Aluminum outer frame and tread plate lid with stainless steel securing bolts.
          1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 40 inches by 40 inches.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall frame size clear opening plus 3-1/4 inches.
        2. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional single seals.
        2. Access hatches can be linked together to provide continuous access to ducts.
      1. 5 Bar - Tread Plate Duct Access Hatch/Cover - Aluminum outer frame and tread plate lid with stainless steel securing bolts.
         1. Clear Opening Each Cover:

\*\* NOTE TO SPECIFIER \*\* Available in sizes ranging from 6 inches by 6 inches to 40 inches by 40 inches.

\_\_ inches by \_\_ inches.

Sizes as indicated on the Drawings.

* + - * 1. Overall frame size clear opening plus 3-1/4 inches.
        2. Overall Depth 2 inches.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs are optional. Delete those not required.

* + - * 1. Provide with optional single seals.
        2. Access hatches can be linked together to provide continuous access to ducts.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. Verify rough openings for access doors and panels are correctly sized and located.
      3. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
      2. Secure frames rigidly in place, plumb and level in opening, with plane of door and panel face aligned with adjacent finished surfaces.
      3. Set concealed frame type units flush with adjacent finished surfaces.
      4. Position unit to provide convenient access to concealed work requiring access.
      5. Install fire rated units in accordance with NFPA 80 and requirements for fire listing.
   4. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.
   5. SCHEDULES

\*\* NOTE TO SPECIFIER \*\* Retain Paragraph below if required to suit project requirements. Identify products by name on the Drawings or use this paragraph to define the location of each type of material to be used. The following are some examples of schedule references. Edit as required to suit project or delete and identify products on the Drawings.

* + 1. :
    2. :

END OF SECTION