SECTION 08 31 00

ACCESS DOORS, VALVE BOXES, ANS FLOOR DOORS

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\*\* NOTE TO SPECIFIER \*\* Acudor Products Inc.; Access Panels, Roof Hatches, Floor Doors, Roof Drains, Safety Accessories  
This section is based on the products of Acudor Products Inc., which is located at:  
9 Woodland Rd., Unit A  
Roseland, NJ 07068  
Toll Free Tel: 800-722-0501  
Tel: 973-575-5120  
Fax: 973-575-5160  
Email: [request info (Max@acudor.com)](https://arcat.com/rfi?action=email&company=Acudor%252BProducts%252BInc.&message=RE%253A%2520Spec%2520Question%2520(08310acu)%253A%2520&coid=30126&spec=08310acu&rep=&fax=973-575-5160)  
Web: <https://acudor.com>   
 [ [Click Here](https://arcat.com/company/acudor-products-inc-30126) ] for additional information.  
For over 25 years ACUDOR has earned a reputation for providing the construction industry with affordable quality products. Acudor Products Inc. manufactures a complete line of high-quality, innovative access doors for walls, ceilings, floors, ducts, and roofs. In addition to offering a wide variety of standard styles and sizes, Acudor has the manufacturing capability and engineering know-how to supply custom made products to meet any construction need.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Access Doors:
       1. Flush access doors.
       2. Drywall recessed access doors.
       3. Drywall recessed access doors and fire rated access doors.
       4. Fire rated access doors.
       5. Specialty access doors.
       6. Specialty access doors - recessed.
       7. Duct access doors.
       8. Security access doors.
       9. Glass fiber doors, reinforced gypsum.
       10. Glass fiber doors, reinforced cement.
    2. Valve boxes.
    3. Floor Doors:
       1. Flush mounted floor doors.
       2. Recessed mounted floor doors.
  1. RELATED SECTIONS

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

* + 1. Section 05 50 00 - Metal Fabrications.
    2. Section 06 10 00 - Rough Carpentry.
    3. Section 09 24 13 - Adobe Finish Portland Cement Plaster.
    4. Section 09 23 13 - Acoustical Gypsum Plastering Gypsum Plaster.
    5. Section 09 90 00 - Painting and Coating.
  1. REFERENCES

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

* + 1. American Association of State Highway and Transportation Officials (AASHTO).
    2. ASTM International (ASTM):
       1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
       2. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
       3. ASTM E283 - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
       4. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
       5. ASTM E413 - Classification for Rating Sound Insulation.
       6. ASTM E416 - Standard Practice for Planning and Safe Operation of a Spectrochemical Laboratory.
       7. ASTM E1332 - Standard Classification for Rating Outdoor-Indoor Sound Attenuation.
    3. National Fire Protection Association (NFPA):
       1. NFPA 251 - Standard Methods of Tests of Fire Resistance of Building Construction and Materials.
    4. Underwriters Laboratories (UL):
       1. UL 10 - Standard for Fire Tests of Door Assemblies.
    5. Underwriters Laboratories Canada (ULc):
       1. ULc S101 - Standard Metyhods of Fire Endurance Tests of Building Construction Materials,
       2. ULc S104 - Standard Method for Fire Tests of Door Assemblies.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data:
        1. Manufacturer's data sheets on each product to be used.
        2. Preparation instructions and recommendations.
        3. Storage and handling requirements and recommendations.
        4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + 1. Verification Samples: Two representative units of each type, size, pattern, and color.
    2. Shop Drawings: Include details of materials, construction, and finish. Include relationship with adjacent construction.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
     3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on 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: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
       1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
       2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
       3. Retain mock-up during construction as a standard for comparison with completed work.
       4. Do not alter or remove mock-up until work is completed or removal is authorized.
  1. PRE-INSTALLATION CONFERENCE
     1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
     2. Protect from damage due to weather, excessive temperature, and construction operations.
  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 recommended limits.
  4. WARRANTY
     1. Manufacturer's standard limited warranty unless indicated otherwise.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Acudor Products Inc., which is located at:  
         9 Woodland Rd., Unit A  
         Roseland, NJ 07068  
         Toll Free Tel: 800-722-0501  
         Tel: 973-575-5120  
         Fax: 973-575-5160  
         Email: [request info (Max@acudor.com)](https://arcat.com/rfi?action=email&company=Acudor%252BProducts%252BInc.&message=RE%253A%2520Spec%2520Question%2520(08310acu)%253A%2520&coid=30126&spec=08310acu&rep=&fax=973-575-5160);Web: <https://acudor.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 \*\* Delete article if not required or delete products not required.

* 1. FLUSH ACCESS DOORS
     1. Products: UF-5000 Universal Flush: Installation in Drywall, Plaster, Masonry, Tile or any flush surface.
        1. Product Features:
           1. Door panel has rounded safety corners providing an architecturally pleasing appearance.
           2. One piece trim flange will not rack, sag or distortion.
           3. Unique continuous concealed hinge will not bind.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 30 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material:
         1. Up to 16 x 16 inch Door Size: 16 ga door. 18 ga mounting frame.
         2. Over 16 x 16 inch Door Size: 14 ga door. 16 ga mounting frame.
      3. Door: Flush to frame with rounded safety corners.
      4. Mounting Frame: One piece outer flange welded to mounting frame.
      5. Hinge: Continuous, concealed.

\*\* NOTE TO SPECIFIER \*\* Delete latch lock options not required. The first option is standard. Delete finish option not required.

* + - 1. Latch and Locks: Stainless Steel screwdriver operated cam latch.
      2. Latch and Locks: Cylinder lock and key.
      3. Latch and Locks: Allen head cam latch.
      4. Latch and Locks: Spanner head cam latch.
      5. Finish: Steel: 5 stage iron phosphate preparation with prime coat of White alkyd baking enamel .
      6. Finish: Stainless Steel: Type 304. No. 4 satin polish.
    1. Products: UF-5500 Universal Flush: Installation in Drywall, Plaster, Masonry, Tile or any flush surface.
       1. Product Features:
          1. Drawn flanged door panel with rounded corners.
          2. Concealed hinge and welds.
          3. Galvanized steel material with white baked on polyester powder coat.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material:
         1. Doors Size 12 x 12 inch and Smaller: 20 ga galvanized steel door and frame.
         2. Doors Size 15 x 15 inch and Larger: 18 ga galvanized steel door and frame.
      3. Door: Flush To Frame. Drawn flanged door panel with rounded corners.
      4. Door Frame: Drawn one piece trim flange and mounting frame.
      5. Hinge: Concealed.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Slot Screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen spanner.
      4. Latch and Lock: Torx head cam latch.
      5. Finish: White baked on polyester powder coat.
    1. Products: ED-2002 Universal Flush. Installation in drywall, plaster, masonry, Tile or any flush surface. Economical and attractive access door for walls and ceilings.
       1. Product Features:
          1. Formed door panel.
          2. Concealed hinge.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: 18 ga steel door and frame.
      3. Door: Flush to frame with reinforced edges
      4. Door Frame: 1 inch wide outside flange with 1-7/16 inch deep mounting frame.
         1. Knock over mounting tabs on sizes 6 x 6, 8 x 8, 10 x 10 and 12 x 12 inch doors.
      5. Hinge: Concealed hinge pin.
      6. Latch: Stainless steel slot screwdriver operated cam latch.
      7. Finish: 5 Stage iron phosphate. Prime Coat: White alkyd baking enamel.
    1. Products: BP-2002 UIniversal Flush: Unique beveled door panel overlaps the frame. Economical and attractive access door for walls and ceilings ideally suited for apartments, condominiums, and office buildings.
       1. Product Features: Concealed hinge.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: 16 ga steel door and frame.
      3. Door: Beveled edge door panel covers hinge and frame.
      4. Door Frame: 1/2 inch wide outside flange, 1-1/2 inch deep mounting frame.
      5. Hinge: Concealed hinge.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Stainless steel screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.
      5. Finish: Prime Coat: White alkyd baking enamel.
    1. Products: DW-5040 Flush Access Door, for Drywall: Designed specifically for installation in drywall walls and ceilings after the drywall has been installed.
       1. Product Features:
          1. Formed door panel with flanges on four sides.
          2. Unique concealed hinge, door flange is a perforated taping bead with pre-punched holes.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 36 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: 20 ga galvanized door panel, 26 ga galvanized frame.
      3. Door: Formed door panel with multiple bends for added strength, flanged on four sides. Integral perforated taping bead adds rigidity.
      4. Hinge: Concealed.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Slot screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch, torx.
      5. Finish: 5 stage iron phosphate. Prime Coat: White baked-on polyester powder coat on door panel. Frame: Mill finish.
    1. Products: PA-3000 Flush Non-Rates Plastic Access Door: Easy access to walls and ceilings. Economical and attractive.
       1. Product Features:
          1. High impact styrene plastic with U.V. stabilizers.
          2. Hinged with a removable feature.

\*\* NOTE TO SPECIFIER \*\* Size Range: 4 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 1/8 inch high impact styrene plastic with U.V. stabilizers. Flush to frame. Rounded safety corners, one piece outside flange with 3/4 inch deep mounting frame.
      3. Standard Latch: Snap latches allow door to fit tightly within frame.
      4. Door Hinge: Concealed.
      5. Finish: White, with textured exposed surfaces.
    1. Products: UCSS Universal Cover:
       1. Application: Provides quick, convenient, and architecturally pleasing covers to plumbing clean-outs in wet areas.
       2. Product Features:
          1. Corrosion resistant Stainless Steel ensures long life
          2. Architecturally pleasing appearance in satin brush finish
          3. Bevelled edges with rounded corners assures safe installation
          4. Flush counter-sunk mounting screws

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: 22 ga Stainless Steel 304 grade.
      3. Cover: Square shaped, beveled edges and rounded corners with countersunk holes on each corner for installation screws. Screws: Stainless steel No. 10 x 1.250 inches long.
      4. Oval Head Square Tapping screws included.
      5. Finish: No. 4 Satin Brush

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. DRYWALL RECESSED ACCESS DOORS
     1. Products: DW-5015 Recessed Access Door: For installation in drywall surfaces when it is required to conceal the door panel.
        1. Product Features:
           1. Recessed 5/8 inch to receive drywall.
           2. Door Flange: Textured galvanized steel taping bead. Punched holes.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 22 ga. galvanized steel.
         1. Door: Recessed 5/8 inch.
         2. Door Frame: Steel drywall taping bead on all sides.
      3. Hinge: Concealed.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Slot Screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen head.
      4. Latch and Lock: Cam latch.
      5. Latch and Lock: Spanner head cam latch.
      6. Finish: Satin coat steel.
    1. Products: DW-5058 Recessed Access door for 5/8 inch drywall panel door. Designed to provide access in walls and ceilings, while maintaining an invisible, architecturally pleasing appearance.
       1. Product Features:
          1. Designed for installation in 5/8 inch drywall.
          2. Aluminum Extrusion Door and Frame.
          3. Powder Painted.
          4. Dust seal gasket.
          5. Concealed Touch latch.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: Aluminum extrusion with drywall fitted in door panel.
      3. Door Frame: Aluminum extrusion 6063-T6 recessed to provide similar edge to drywall bead to allow for finishing of wall or ceiling surface.
      4. Hinge: Wing hinge allows door panel to open to 90 degrees, and allows for door panel to be removed from frame.
      5. Safety Chain: Installed on door and frame for safety.
      6. Gasket: Dust seal gasket.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Concealed touch latches.
      2. Latch and Lock: Screwdriver operated cam latch.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.
      5. Latch and Lock: Cylinder lock and key.
      6. Finish: Powder painted white.
    1. Products: DW-5058-1 Recessed Access door for 1/2 inch drywall, panel door. Designed to provide access in walls and ceilings, while maintaining an invisible, architecturally pleasing appearance.
       1. Product Features:
          1. Designed for installation in 1/2 inch drywall.
          2. Aluminum extrusion door and frame.
          3. Powder painted.
          4. Dust seal gasket.
          5. Concealed Touch latch.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: Aluminum extrusion with drywall fitted in door panel.
      3. Door Frame: Aluminum extrusion 6063-T6 recessed to provide similar edge to drywall bead to allow for finishing of wall or ceiling surface.
      4. Hinge: Wing hinge allows door panel to open to 90 degrees, and allows for door panel to be removed from frame.
      5. Safety Chain: Installed on door and frame for safety.
      6. Gasket: Dust seal gasket.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Concealed Touch Latches.
      2. Latch and Lock: Screwdriver operated cam.
      3. Latch and Lock: Latch.
      4. Latch and Lock: Allen head cam latch.
      5. Latch and Lock: Spanner head cam latch.
      6. Latch and Lock: Cylinder lock and key.
      7. Finish: Powder Painted White.
    1. Products: DW-5058-TD Recessed Access Door, Panel Door for Tile. Designed to provide access in tiled walls, while maintaining an invisible, architecturally pleasing appearance.
       1. Product Features:
          1. Designed for installation in 5/8 inch cement board.
          2. Aluminum Extrusion Door and Frame.
          3. Dust seal gasket.
          4. Concealed Touch latch.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: Aluminum extrusion with tile backer fitted in door panel.
      3. Door Frame: Aluminum extrusion 6063-T6 recessed to provide similar edge to drywall bead to allow for finishing of wall or ceiling surface.
      4. Hinge: Wing hinge allows door panel to open to 90 degrees, and allows for door panel to be removed from frame.
      5. Safety Chain: Installed on door and frame for safety.
      6. Gasket: Dust seal gasket.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Concealed touch latches.
      2. Latch and Lock: Screwdriver operated cam latch.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.
      5. Latch and Lock: Cylinder lock key.
      6. Finish: Mill Finish.
    1. Products: DW-5058R Recessed Access Door, Drywall Round Panel Door. Provides access in walls and ceilings, while maintaining an invisible, architecturally pleasing appearance.
       1. Product Features:
          1. Designed to accommodate 5/8 inch drywall.
          2. Standard with a touch latch feature.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 to 24 inches diameter. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ inches diameter.
      2. Material: aluminum extrusion with 5/8 inch drywall in door panel.
      3. Door: 0.08 inch aluminum extrusion.
      4. Door Frame: 0.080 inch aluminum extrusion recessed to provide similar edge to drywall bead to allow for finishing of wall or ceiling surface.
      5. Hinge: Hinge allows door panel to open to 90 degrees, and allows for door panel to be removed from frame.
      6. Safety Chain: Installed on door and frame for safety.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Concealed touch latches.
      2. Latch and Lock: Screwdriver operated cam latch.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.
      5. Latch and Lock: Cylinder lock key.
      6. Finish: Mill Finish. Drywall is ready to be finished to match surrounding wall or ceiling surface.
    1. Products: BP-58 Bauco Plus, Drywall Panel Door. Designed to provide access in walls and ceilings, while maintaining an invisible, architecturally pleasing appearance.
       1. Product Features:
          1. Door panel is supplied with one layer of 5/8 or 1/2 inch drywall.
          2. Removable door panel.
          3. Concealed hinge.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: Aluminum extrusion.
      3. Door: 5/8 or 1/2 inch drywall inserted into door panel.
      4. Door Frame: Recessed aluminum extrusion provides similar edge to drywall bead against which wall or ceiling surface can be finished.
      5. Hinge: Unique concealed non corroding two point pin hinge.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Screwdriver operated cam latch.
      2. Latch and Lock: Tamper resistant torx head cam latch.
      3. Latch and Lock: Cylinder lock and key.
      4. Latch and Lock: Concealed touch latch.
      5. Finish: Mill Finish. Drywall is ready to be finished to match surrounding wall or ceiling surface.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. DRYWALL RECESSED AND FIRE RATED ACCESS DOORS
     1. FW-5015 Fire Rated Access Door, Recessed for Drywall walls. For installation in drywall walls requiring concealing of the door panel. Consistent to surroundings. For use in walls, fire-rated for up to 90 minutes with a temperature rise of max 450 degrees F over 30 minutes.
        1. Product Features:
           1. Recessed reinforced door fitted with 5/8 inch Fire-rated drywall.
           2. Concealed hinge. Self-centering device. Seamless appearance in walls.
           3. Self-closing and self-latching door mechanism.
           4. Perforated Frame ensures trouble-free application of skim coat to edge of the door.
           5. Zinc coated steel provides superior corrosion resistance.
           6. Testing standards UL 10(b) and ULC S104.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: Steel-22 ga recessed fitted with 5/8 inch thick drywall suitable to accept skim coat finish on site.
      3. Frame: Steel 22 ga press bent for strength and rigidity with pre-punched flanges for convenient mounting and accepting skim coat finish on site.
      4. Hinge: Concealed.
      5. Fire Rating Walls: Meets 1-1/2 hr fire rating requirement in accordance with UL 10(b) and CAN/ULC S104-10. Maximum Size: Up to 24 x 36 inch.
      6. Latch: Self-latching bolt, operated by flush key.
      7. Finish: Satin coat steel.
    1. FWC-5015 Fire Rated Access Door, Recessed for Drywall Ceilings. For installation in drywall ceilings requiring concealing of the door panel consistent to surroundings. For use in Fire Rated Ceilings that needs tested and certified doors having Fire Resistance Rating of 90 minutes.
       1. Product Features:
          1. Recessed reinforced insulated door fitted with 5/8 inch fire-rated drywall.
          2. Concealed hinge and self-centering device ensures seamless appearance in ceiling.
          3. Self-closing and self-latching door mechanism.
          4. Perforated Frame ensures trouble-free application of skim coat to edge of door.
          5. Zinc coated steel provides superior corrosion resistance
          6. Testing Standards: CAN ULC S101-14, ASTM E119 and NFPA 251

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - * 1. Size: \_\_\_ x \_\_\_ inches.
        2. Door: Steel-22 Ga recessed fitted with 5/8 inch thick drywall suitable to accept skim coat finish on site.
        3. Frame: Steel-22 Ga press bent for strength and rigidity with pre-punched flanges for convenient mounting and accepting skim coat finish on site.
        4. Hinge: Concealed.
        5. Fire Rating Ceilings: Meets 90 minutes fire resistance rating in accordance with CAN ULC S101-14, ASTM E119-16 and NFPA 251.
        6. Latch: Self-latching bolt, operated by flush key.
        7. Finish: Satin coat steel.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete product options not required.

* 1. FIRE RATED ACCESS DOORS
     1. Product: FW-5015 Fire Rated Access Door, Recessed for Drywall walls. For installation in drywall walls requiring concealing of the door panel consistent to surroundings. For use in walls, fire-rated for up to 90-minutes with a temperature rise of max 450 degrees F over 30 minutes.
        1. Product Features:
           1. Recessed reinforced door fitted with 5/8 inch Fire-rated drywall.
           2. Concealed hinge and self-centering device ensures seamless appearance in walls.
           3. Self-closing and self-latching door mechanism.
           4. Perforated Frame ensures trouble-free application of skim coat to edge of the door.
           5. Zinc coated steel provides superior corrosion resistance.
           6. Testing standards UL 10(b) and ULC S104.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: Steel 22 ga galvanized steel.
         1. Door: Recessed fitted with 5/8 inch thick drywall suitable to accept skim coat finish on site.
         2. Frame: Press bent for strength and rigidity with pre-punched flanges for convenient mounting and accepting skim coat finish on site.
      3. Hinge: Concealed.
      4. Fire Rating for Walls: Meets 1-1/2 hr fire rating requirement in accordance with UL 10(b) and CAN/ULC S104-10. For sizes up to 24 x 36 inch.
      5. Latch: Self-latching bolt, operated by flush key.
      6. Finish: Satin coat steel.
    1. Product: FWC-5015 Fire Rated Access Door, Recessed for Drywall Ceilings. For installation in drywall ceilings requiring concealing of the door panel consistent to surroundings. For use in Fire Rated Ceilings that needs tested and certified doors having Fire Resistance Rating of 90 minutes.
       1. Product Features:
          1. Recessed reinforced insulated door fitted with 5/8 inch Fire-rated drywall.
          2. Concealed hinge. Self-centering device. Seamless appearance in ceiling.
          3. Self-closing and self-latching door mechanism.
          4. Perforated Frame ensures trouble-free application of skim coat to edge of the door.
          5. Zinc coated steel provides superior corrosion resistance.
          6. Testing Standards: CAN ULC S101-14, ASTM E119-16 and NFPA 251.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 22 ga galvanized steel, Recessed fitted with 5/8 inch thick drywall suitable to accept skim coat finish on site.
      3. Frame: 22 ga galvanized steel, press bent for strength and rigidity with pre-punched flanges for convenient mounting and accepting skim coat finish on site.
      4. Hinge: Concealed.
      5. Fire Rating Ceilings: Meets 90 minutes Fire Resistance Rating in accordance with CAN ULC S101-14, ASTM E119-16 and NFPA 251.
      6. Latch: Self-latching bolt, operated by flush key.
      7. Finish: Satin coat steel.
    1. Product: FB-5060 Fire Rated Uninsulated. For wall applications. Designed to maintain continuity in a 2 hour fire rated wall, when temperature is not a factor.
       1. Product Features:
          1. Concealed hinge. Self-closing. Self-Latching.
          2. Inside latch release.
          3. Available with a removable door panel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 36 x 48 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: Steel or Stainless Steel: 16 ga door, 16 ga mounting frame. Flush to frame with reinforced edges, flange to be 1 inch wide.
      3. Hinge: Concealed.
      4. Fire Rating for Walls: UL: 1-1/2 hour "B" label. ULC: 2 hour "B" label.
         1. Max Sizes: 36 x 48 inches and 24 x 79 inches.
      5. Latch: Universal self-latching bolt, operated by either a knurled knob or flush key.

\*\* NOTE TO SPECIFIER \*\* Delete master keying if not required.

* + - * 1. Master Keying: Prepare doors for rim or mortise cylinder locks.

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Finish: Steel: 5 stage iron phosphate preparation with prime coat of White alkyd baked-on enamel.
      2. Finish: Stainless Steel: No. 4 satin polish.
    1. Product: FB-5060-DW Fire Rated Uninsulated. For drywall walls applications. Designed to maintain continuity in a 2 hour fire rated wall, when temperature rise is not a factor
       1. Product Features:
          1. Concealed hinge. Self-closing.
          2. Self-Latching. Drywall taping bead. Inside latch release.
          3. Available with a removable door panel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 36 x 48 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 16 ga steel or stainless steel. Frame: 16 ga. Flush to frame with reinforced edges, drywall taping bead flange.
      3. Hinge: Concealed.
      4. Fire Rating, Walls: UL: 1.5 hr "B" label. ULC: 2 hr "B" label. Max Size: 36 x 48 inches.
      5. Latch: Universal self-latching bolt, operated by either a knurled knob or flush key.

\*\* NOTE TO SPECIFIER \*\* Delete master keying if not required.

* + - * 1. Master Keying: Prepare doors for rim or mortise cylinder locks.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel: 5 stage iron phosphate preparation with prime coat of White alkyd baked-on enamel.
      2. Finish: Stainless Steel: Type 304 - No. 4 satin polish optional.
    1. Product: FB-5060-TD Fire Rated Uninsulated Recessed for Tile Walls. Designed for use in tiled walls. Used whenever it is necessary to provide access in fire rated walls, when temperature rise is not a factor.
       1. Product Features
          1. Recessed 1/2 inch and is lined with self-furring lath.
          2. Designed to maintain continuity in a 2 hr fire barrier wall.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 16 ga steel with reinforced edges, Door Pane: Recessed 1/2 inch and lined with self-furring lath. Mounting Frame: 16 ga steel.
      3. Hinge: Continuous exposed piano hinge.
      4. Fire Rating, Walls: UL: 1.5 hr "B" label. ULC: 2 hr "B" label. Max Size: 36 x 48 inch.
      5. Latch: Universal self-latching bolt, operated by a flush key.

\*\* NOTE TO SPECIFIER \*\* Delete master keying if not required.

* + - * 1. Master Keying: Prepare doors for rim or mortise cylinder locks.
      1. Finish: Steel: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
    1. Product: FW-5050-DW Fire Rated for Drywall, Insulated. For drywall, walls and ceilings with galvanized steel drywall taping bead flange. For when temperature rise or heat transmission is a factor.
       1. Product Features:
          1. Insulated door panel. Concealed hinge.
          2. Self-Latching. Inside latch release.
          3. Drywall taping bead flange. Self-closing.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 36 x 48 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 20 ga steel or stainless steel. 2 inch thick fire rated insulation. Mounting Frame: 16 ga steel or stainless steel. Flange: Drywall taping bead flange.
      3. Hinge: Concealed.
      4. Fire Rating, Walls: UL: 1.5 hr "B" label. ULC: 2 hr "B" label. Max Size: 36 x 48 inch.
      5. Fire Rating, Ceilings: Warnock Hersey International 3 hr rated in a non-combustible ceiling. 1 hour rated in a combustible ceiling. Max Size: 24 x 36 inches.
      6. Latch: Universal self-latching bolt, operated by either a knurled knob or flush key.

\*\* NOTE TO SPECIFIER \*\* Delete master keying if not required.

* + - * 1. Master Keying: Prepare doors for rim or mortise cylinder locks.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      2. Finish: Stainless steel No. 4 satin polish.
    1. Product: FW-5050 Fire Rated Insulated. For all types of walls and ceilings. This door should be used in walls when temperature rise or heat transmission is a factor.
       1. Product Features:
          1. Insulated door panel.
          2. Concealed hinge.
          3. Self-closing. Self-Latching, Inside latch release.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 36 x 48 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Door Frame: Steel or stainless steel. Door: 20 ga. Frame: 16 ga.
      3. Door Fire Rated Insulation: Filled 2 inch thick. Flange: 1 inch wide.
      4. Hinge: Concealed.
      5. Fire Rating, Walls: UL: 1.5 hr "B" label. ULC: 2 hr "B" label. Max Size: 36 x 48 inch.
      6. Fire Rating, Ceilings: Warnock Hersey International. 3 hr rated in a non-combustible ceiling. 1 hr rated in combustible ceiling. Max Size: 24 x 36 inches.
      7. Latch: Universal self-latching bolt, operated by either a knurled knob or flush key.

\*\* NOTE TO SPECIFIER \*\* Delete master keying if not required.

* + - * 1. Master Keying: Prepare doors for rim or mortise cylinder locks.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      2. Finish: Stainless steel No. 4 satin polish.
    1. Product: FW-5050-UP Fire Rated Insultated Upswing Door for Ceilings. An insulated, fire rated access door for inward opening in ceilings
       1. Product Features:
          1. For fire rated ceilings, this door has been approved by Warnock Hersey International for 3 hours. Max Size: Up to 24 x 36 inches.
          2. Insulated Door Panel. Self-Closing. Self-Latching. Inside Latch Release.

\*\* NOTE TO SPECIFIER \*\* Size Range: 22 x 36 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 16 ga steel or stainless steel, flush to frame with reinforced edges filled with 2 inch thick fire insulation.
      3. Mounting Frame: 16 ga steel or stainless steel. Trim: 1 inch wide
      4. Hinge: Concealed with coil spring for dampening.
      5. Fire Rating, Walls: UL: 1.5 hr "B" label. ULC: 2 hr "B" label. Max Size: 24 x 36 inch. Fire Rating, Ceilings: Warnock Hersey International 3 hr rated in a non-combustible ceiling. 1 hr rated in a combustible ceiling. Max Size: 24x 36 inches.
      6. Latch: L Handle - operable from both sides.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      2. Finish: Stainless steel No. 4 satin polish.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. SPECIALTY ACCESS DOORS
     1. Product: LT-4000 Universal Flush, Lightweight Aluminum. Lightweight aluminum access door for walls and ceilings.
        1. Product Features
           1. Mitered aluminum frame provides an architecturally pleasing appearance.
           2. Aluminum door panel is lined with 3/4 inch polystyrene insulation.
           3. Aluminum construction is ideal for exterior applications, and specific interior applications where corrosion or moisture is a concern.
           4. Gasketing between the door and frame.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 72 x 48 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Door Frame: Aluminum. Door: 0.064. Frame: 0.080.
      3. Flush to edge of frame, 1-5/16 inch mitered aluminum extrusion flange with 1-1/2 inch deep mounting frame.
      4. Hinge: Doors 24 inch Wide or Less: Concealed pin hinge.
      5. Hinge: Doors Over 24 inch Wide: Continuous aluminum piano hinge with exposed knuckle, set to open to 180 degrees.
      6. Insulation: 3/4 inch Type 3 Expanded Polystyrene (EPS) Foil Lined Insulation, with a 3.18 R Value.
      7. Gasket: 1/8 x 3/8 inch closed cell neoprene gasketing.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock option not required. The first option is standard.

* + - 1. Latch and Lock: Screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Finish: Mill finish.
    1. Product: SF-2000 Surface Mounted Access Door. An innovative surface mounted access door for all types of walls and ceilings.
       1. Product Features:
          1. Exposed continuous piano hinge. Door panel to open 175 degrees.
          2. There is no frame to extend into the wall or ceiling.
          3. Perfect for access to odd size openings.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Door Frame: Steel: 16 ga, flush to frame with rounded safety corners and a one piece outer flange. Frame is one piece outer flange.
      3. Hinge: Exposed continuous piano hinge.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock option not required. The first option is standard.

* + - 1. Latch and Lock: Stainless steel screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.
      5. Finish: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
    1. Product: PS-5030 Flush Access Door for Plaster Walls and Ceilings. Installation in plaster walls and ceilings, before the plaster is applied.
       1. Product Features:
          1. An expansion casing bead with 3 inch wide galvanized lath.
          2. Concealed continuous hinge.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Material: Door and Door Frame: 14 ga. Formed door panel, flanged on four sides, flush to edge of frame expansion casing bead with 3 inch wide galvanized lath, recessed 3/4 inch to receive plaster.
      3. Hinge: Continuous, concealed.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Stainless steel screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.
      5. Finish: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
    1. Product: WD-8000 Duct and Specialty Doors Walk Through Door. Designed to provide convenient walk through access to duct work interiors and air handling units. Low to medium pressure systems and plenums.
       1. Product Features:
          1. Heavy duty construction, along with a continuous hinge and compression handles/
          2. Optional Features: Removable door panel. Vision panel. High pressure units. Key operated handles.
       2. Material: Galvanized steel, aluminum, and stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 36 to 30 x 72 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 22 ga. Mounting Frame: Double Panel (WxD): 1-15/16 x 1-1/2 inch extruded aluminum with mitered corners.
      3. Gasket: 1/8 x 1/2 inch closed cell neoprene gasketing between door and frame.
      4. Hinge: Continuous steel piano hinge. Opens 180 degrees.
      5. Insulation: Door panel: 1 inch thick fiberglass insulation; 4 R value.
      6. Standard Latch: Dual acting compression handles-operable from both sides.
      7. Units 48 inch High and Under: 2 handles.
      8. Units Over 48 inch High: 3 handles.
      9. Finish: Mill finish.
    1. Product: AS-9000 Specialty Doors Gasketed Access Doors. Designed to provide a gasketed fit in all types of walls and ceilings. This door is commonly used in clean rooms, laboratories, operating rooms, etc. Not tested for air penetration.
       1. Product Features:
          1. Gasketed access door.
          2. Formed door panel with reinforced edges and a concealed hinge, along with open cell gasket between the door and frame.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Door Frame: Steel or stainless steel. Door and Frame: 18 ga. Flange to be 1 inch wide.
      3. Hinge: Concealed.
      4. Gasket: Pemko S88 adhesive-backed bulb silicone gasket.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock option not required. The first option is standard.

* + - 1. Latch and Lock: Stainless steel screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Stainless Steel: No. 4 satin polish.
      2. Finish: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
    1. Product: AL-9500 Specialty Doors. Anti-Ligature Access Door. Designed for Anti-Ligature Installation. Designed to provide a fully gasketed fit in all types of walls and ceilings. Commonly used in prisons, correctional facilities, psychiatric Hospitals, etc.
       1. Product Features:
          1. Fully gasketed access door.
          2. Formed door panel with reinforced edges and a concealed hinge.
          3. Fully welded frame flange, radiused corners along with closed cell gasket between the door and frame.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door / Frame: 14 ga. steel or stainless steel: Flange: 1 inch wide.
      3. Hinge: Concealed.
      4. Gasket: Pemko S88 adhesive-backed bulb silicone gasket.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Tamper-proof spanner head cam latch.
      2. Latch and Lock: Torx head.
      3. Latch and Lock: Cylinder Lock.
      4. Latch and Lock: Mortise Lock.
      5. Finish: Stainless steel. No. 4 satin polish.
      6. Finish: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
    1. Product: ADWT Specialty Doors. Airtight/Watertight. This access door is ideal for use in laboratories, clean rooms, operating rooms, etc. where an airtight/watertight seal is required.
       1. Product Features:
          1. ADWT is a flush access door that has been tested for air infiltration, exfiltration and water penetration.
          2. Door and Frame fully welded.
          3. Continuous BulbTrim Gasket.
          4. Continuous Stainless Steel Piano Hinge.
          5. Air Infiltration Leakage: No more than 0.01 cfm per sq ft at 6.27 psf per ASTM E283/E283M.
          6. Water Penetration: No leakage at 15.04 psf per ASTM E331.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 36 x 48 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 16 ga. steel or stainless steel. Flush to frame with reinforced edges.
      3. Hinge: Continuous exposed stainless steel piano hinge.
      4. Gasket: Continuous BulbTrim Seal.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Stainless Steel Phillips head screws.
      2. Latch and Lock: Stainless steel allen head screws
      3. Latch and Lock: Stainless steel spanner head screws
      4. Latch and Lock: Torx.
      5. Latch and Lock: Cylinder lock and key.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel. 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      2. Finish: Stainless Steel. Type 304 No. 4 satin polish.
    1. Product: ACF-2064 Specialty Doors. Steel Flush Acoustical Access Door. This flush access door is ideal for use on Acoustical walls and ceilings where maintaining STC Rating (Sound Transmission Class) and OITC Rating. (Outdoor-Indoor Transmission Class) is required.
       1. Product Features:
          1. Zinc coated steel provides superior corrosion resistance.
          2. Type 304 Stainless steel with #4 satin polish also available.
          3. Tested and evaluated to ASTM: E90, ASTM: E413, ASTM: E1332 and certified to STC Rating 64 and OITC Rating 54.
       2. Material: 18 ga satin coat steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 18 Ga, Satin Coat Steel. Door: Encapsulated design with 2 inch thick acoustical mineral liner. 0.11 inch thick mineral filled vinyl barrier. Frame: Press bent for strength and rigidity, with 1 inch wide trim flanges and 1 inch thick acoustical mineral liner.
      3. Gasket: Silicone perimeter seal gasket.
      4. Hinge: Continuous exposed stainless steel piano hinge.
      5. Latch: Screwdriver operated Compression Latch.
      6. Acoustic Rating: This door has been tested and evaluated to ASTM: E90, ASTM: E413, ASTM: E1332 and certified to STC Rating 64 and OITC Rating 54.
      7. Finish: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
    1. Product: VFCD Specialty Doors. Vent Fan Coil Door. Provides unobstructed access and easy serviceability to Vertical Fan Coil Units in luxury Hotels, Condominiums, Apartments
       1. Product Features:
          1. Corrosion resistant Satin coat steel ensures long life.
          2. Architecturally pleasing appearance with flush louvers.
          3. Flush mount return air panel with convenient air filter replaceability.
          4. Integrated louvers assure quiet operation.
       2. Material: 18 Ga Satin Coat steel.
       3. Size: \_\_\_ x \_\_\_ inches.
       4. Door: Single/Double stacked with fully removable door design. Louver punched bottom door panel with Air Filter brackets.
       5. Frame: Brake formed with reinforced mitered corners. Flanged to cover cut drywall opening.
       6. Hinge: Concealed, when applicable.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Concealed self-locking, stainless steel, screwdriver operated cam latch, cylinder lock, compression latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen spanner.
      4. Latch and Lock: Torx head cam latch.
      5. Finish: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      6. Design Options:
         1. Doors with Acoustic and Thermal insulation.
         2. Tamperproof locks.
         3. Drywall bead frame.
         4. Custom retrofit design.
         5. Seamless single-piece frame.
         6. Powder Coated finish; Custom colors.
         7. Custom Sizes.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. SPECIALTY ACCESS DOORS - RECESSED
     1. Product: AP-5010 Recessed for acoustical plaster walls and ceilings. Designed for use in acoustical plaster walls and ceilings.
        1. Product Features:
           1. Door is recessed 5/8 inch and is lined with self-furring lath.
           2. Expansion casing bead with 3 inch wide galvanized lath.
           3. Concealed, pivoting rod type hinge.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 16 ga steel recessed 5/8 inch lined with self-furring galvanized lath
      3. Door Frame: 14 ga steel expansion casing bead with 3 inch wide galvanized lath, recessed 3/4 inch to receive plaster.
      4. Hinge: Concealed, pivoting rod type. Wall Applications: Continuous exposed piano hinge.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Flush to surface, screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.
      5. Finish: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
    1. Product: AT-5020 Recessed Access Door. For flush installation in walls or ceilings when it is required to conceal the door panel.
       1. Product Feature: Door is recessed 1 inch.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 16 ga steel. Recessed 1 inch. Mounting Frame: 14 ga steel.
      3. Hinge: Concealed, pivoting rod type. For Wall Applications over 24 x 24 inch: Concealed pin hinge.

\*\* NOTE TO SPECIFIER \*\* Delete latch and lock options not required. The first option is standard.

* + - 1. Latch and Lock: Flush to surface, screwdriver operated cam latch.
      2. Latch and Lock: Cylinder lock and key.
      3. Latch and Lock: Allen head cam latch.
      4. Latch and Lock: Spanner head cam latch.
      5. Finish: 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
    1. Product: TD-5025 Recessed Access Door for Tile and Marble. This recessed access door is ideal for use on tiled and marbled walls. Door accepts tiles/marbles with grout gaps, harmoniously blending with surroundings. Installed door remains invisible ensuring architecturally pleasing appearance.
       1. Product Features:
          1. Zinc coated steel provides superior corrosion resistance.
          2. Concealed heavy duty hinge.
          3. Recessed door accepts Tiles and Marbles of varied thicknesses.
          4. Concealed Latch.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 24 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 16 ga, satin coat steel. 3/4 inch recessed tray to accept 5/8 inch MDF and glue by others. Frame: Press bent for strength and rigidity.
      3. Hinge: Continuous concealed piano hinge.

\*\* NOTE TO SPECIFIER \*\* Delete lock option not required. The first option is standard.

* + - 1. Lock: Cam Latch.
      2. Lock: Touch Latch, Magnetic Lock.
      3. Finish: Powder coated RAL 9016.
    1. Product: ACD-2064 Recessed Acoustical Access Door for Drywall. This recessed access door is ideal for use on Acoustical drywall walls and ceilings where maintaining Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC) is required. The unique taping bead flange allows for a concealed finish.
       1. Product Features:
          1. Zinc coated steel provides superior corrosion resistance.
          2. Drywall taping bead flange.
          3. Recessed door fitted with 5/8 inch thick drywall, ensures finish similar to surrounding.
          4. Tested and evaluated to ASTM: E90, ASTM: E413, ASTM: E1332 and certified to STC Rating 64 and OITC Rating 53.
       2. Material: 18 Ga Satin Coat Steel.
       3. Door: 18 ga satin coat steel. Recessed design filled with 1-1/2 inch thick acoustic mineral liner, 0.11 inch thick mineral filled vinyl barrier, and fitted with 5/8 inch thick drywall as finished face.
       4. Frame: 18 ga satin coat steel. Press bent for strength and rigidity; drywall taping bead flange Insulated with 1 inch thick acoustical mineral liner.
       5. Gasket: Silicone perimeter seal gasket.
       6. Hinge: Continuous exposed stainless steel piano hinge.

\*\* NOTE TO SPECIFIER \*\* Delete lock options not required. The first option is standard.

* + - 1. Lock: Screwdriver operated Compression Latch.
      2. Lock: Compression Latch with Hex Head
      3. Lock: Hex with security pin, Square.
      4. Lock: Hex with security pin, Triangle.
      5. Acoustic Rating: Tested and evaluated to ASTM E90, ASTM E413, ASTM E1332. Certified to STC Rating of 64 and OITC Rating of 53.
      6. Finish: Satin coat steel.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. DUCT ACCESS DOORS
     1. Product: HD-5070. For Sheet Metal Duct. Assures a tight seal without obstruction in the air system.
        1. Product Features:
           1. Insulated door panel, along with gasketing between door and frame.
           2. 5/8 inch notched knock over tabs on inside of frame provide for easy installation.
           3. For use in LOW to medium pressure up to 3 inch static W.G.

\*\* NOTE TO SPECIFIER \*\* Delete material options not required. The first option is standard.

* + - 1. Material: Galvanized steel, double panel.
      2. Material: Aluminum
      3. Material: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 24 ga. Frame: 5/8 inch notched knock over tabs.
      3. Gasketing: 1/8 x 1/2 inch wide closed cell neoprene gasketing between door and frame and also between frame and duct.
      4. Hinge: Continuous aluminum piano hinge.
      5. Insulation: Door panel filled with 2 inch fiberglass insulation; 7.7 R factor, compressed into 1 inch.

\*\* NOTE TO SPECIFIER \*\* Delete latch options not required. The first option is standard. The L-handle is optional. Delete if not required.

* + - 1. Latch: Self tightening, hand operated cam latch.
      2. Latch: Cylinder lock and key
      3. Latch: HASP + staple
      4. L-handle.
    1. Product: CD-5080 For Sheet Metal Duct. Assures a tight seal without obstruction in the air system.
       1. Product Features:
          1. For use in LOW to medium pressure up to 3 inch static W.G.
          2. 5/8 inch notched knock over tabs on inside of frame provide for easy installation.

\*\* NOTE TO SPECIFIER \*\* Delete material options not required. The first option is standard.

* + - 1. Material: Galvanized steel, double panel.
      2. Material: Aluminum
      3. Material: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 24 ga double panel.
      3. Gasketing: 1/8 x 1/2 inch wide closed cell neoprene gasketing between door and frame and also between frame and duct.
      4. Insulation: Door panel filled with 2 inch fiberglass insulation; 7.7 R factor, compressed into 1 inch.

\*\* NOTE TO SPECIFIER \*\* Delete latch options not required. The first option is standard. The L-handle is optional. Delete if not required.

* + - 1. Latch: Self tightening, hand operated cam latch.
      2. Latch: Cylinder lock and key
      3. Latch: HASP + staple
      4. L-handle.
    1. Product: HD-5070-F For Ductboard/Fiberglass ducts. Economical access to fiberglass ducts.
       1. Product Features:
          1. For use in low to medium pressure fiberglass ducts.
          2. Hinged door panel.

\*\* NOTE TO SPECIFIER \*\* Delete material options not required. The first option is standard.

* + - 1. Material: Galvanized steel, double panel.
      2. Material: Aluminum
      3. Material: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 24 ga.
      3. Gasketing: 1/8 x 1/2 inch wide closed cell neoprene gasketing between door and frame and also between frame and duct.
      4. Insulation: 1 inch Micro-AIRC M/F TYPE-475; R value 7.7.
      5. Hinge: Continuous aluminum piano hinge.
      6. Latch: Self tightening, hand operated cam latch.
    1. Product: CD-5080-F For Fiberglass Ducts. Economical access to fiberglass ducts.
       1. Product Features:
          1. For use in low to medium pressure fiberglass ducts.
          2. Double cam - no hinge, removable door panel.

\*\* NOTE TO SPECIFIER \*\* Delete material options not required. The first option is standard.

* + - 1. Material: Galvanized steel, double panel.
      2. Material: Aluminum
      3. Material: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 24 ga.
      3. Gasketing: 1/8 x 1/2 inch wide closed cell neoprene gasketing between door and frame. 1/16 x 1-1/2 inch adhesive bonded gasket between frame and duct.
      4. Insulation: 2 inch of Fiberglass Insulation Compressed to 1 inch; 7.7 R Value.
      5. Latch: Self tightening, hand operated cam latch.
    1. Product: CD-5080-HP For High Pressure Ducts. Economical access to high pressure duct.
       1. Product Features:
          1. For use in high pressure ducts. Pressure rated to 8 inch W.G. with leakage no greater than 2 cfm per sq ft.
          2. 5/8 inch notched knock over tabs on inside of frame provide for easy installation.

\*\* NOTE TO SPECIFIER \*\* Delete material options not required. The first option is standard.

* + - 1. Material: Galvanized steel, double panel.
      2. Material: Aluminum
      3. Material: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 24 ga. Door: Double panel with high temperature glue.
      3. Gasketing: 01/4 x 1/2 inch wide closed cell neoprene gasketing between door and frame. 1/8 x 1/2 inch wide closed cell neoprene gasketing between frame and duct.
      4. Insulation: Door panel filled with 2 inch fiberglass insulation; 7.7 R factor. Compressed into 1 inch.
      5. Latch: Self tightening, hand operated cam latch.
    1. Product: HDSS-6020 Self Stick Duct Doors, for Sheet Metal Duct. Provides easy access to sheet metal ducts.
       1. Product Features:
          1. Innovative self stick frame for easy installation.
          2. Insulated door panel, single cam, hinged.
          3. Tested to 10 inch SP with minimal leakage.

\*\* NOTE TO SPECIFIER \*\* Delete material options not required. The first option is standard.

* + - 1. Material: Galvanized steel, double panel.
      2. Material: Aluminum
      3. Material: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 24 ga. Door: Double panel.
      3. Hinge: Continuous aluminum piano hinge.
      4. Insulation: Door panel filled with 1 inch fiberglass insulation.
      5. Gasketing: 1/8 x 1/2 inch wide closed cell neoprene between door and frame. 1/8 x 1-1/2 inch wide adhesive bonded gasket between frame and duct.
      6. Hardware: Hex head sheet metal screws.

\*\* NOTE TO SPECIFIER \*\* Delete latch options not required. The first option is standard. The L-handle is optional. Delete if not required.

* + - 1. Latch: Self tightening, hand operated cam latch.
      2. Latch: Cylinder lock and key
      3. Latch: HASP + staple
      4. L-handle.
    1. Product: CDSS-6030 Self Stick Duct Doors, for Sheet Metal Duct. Provides easy access to sheet metal ducts.
       1. Product Features
          1. Innovative self stick frame for easy installation
          2. Insulated door panel, double cam, non-hinged
          3. Tested to 10 inch SP with minimal leakage

\*\* NOTE TO SPECIFIER \*\* Delete material options not required. The first option is standard.

* + - 1. Material: Galvanized steel, double panel.
      2. Material: Aluminum.
      3. Material: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 6 x 6 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 24 ga ga steel. Door: Double panel.
      3. Insulation: Door panel filled with 1inch fiberglass insulation.
      4. Gasketing: 1/8 x 1/2 inch wide closed cell neoprene between door and frame. 1/8 x 1-1/2 inch wide adhesive bonded gasket between frame and duct.
      5. Hardware: Hex head sheet metal screws.

\*\* NOTE TO SPECIFIER \*\* Delete latch options not required. The first option is standard. The L-handle is optional. Delete if not required.

* + - 1. Latch: Self tightening, hand operated cam latch.
      2. Latch: Cylinder lock and key.
      3. Latch: HASP + staple.
      4. L-handle.
    1. Product: GDD For Grease Ducts. Access door for installation into grease ducts. This door meets or exceeds requirements of all mechanical codes.
       1. Product Features
          1. ULc Listed.
          2. Bolt in unit easily installed into existing ductwork
          3. Duct cutout template included
          4. No bolts penetrate to the interior of the duct
          5. Two handles for easy removal and installation

\*\* NOTE TO SPECIFIER \*\* Size Range: 7 x 12 to 20 x 20 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: WD-8000 Walk through Door. Designed to provide convenient walk through access to duct work interiors and air handling units. Low to medium pressure systems and plenums.
       1. Product Features
          1. Heavy duty construction. Continuous hinge. Compression handles,

\*\* NOTE TO SPECIFIER \*\* the remaining features are optional. Delete options not required.

* + - * 1. Removable Door Panel.
        2. Vision Panel.
        3. High Pressure Units.
        4. Key Operated Handles.

\*\* NOTE TO SPECIFIER \*\* Delete material options not required. The first option is standard.

* + - 1. Material: Galvanized steel, double panel.
      2. Material: Aluminum
      3. Material: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 36 to 30 x 72 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 22 ga. Frame (WxD): Double panel 1-15/16 x 1-1/2 inch extruded.
         1. Aluminum Frame: Mitred corners.
      3. Gasket: 1/8 x 1/2 inch wide closed cell neoprene between door and frame.
      4. Hinge: Continuous steel piano hinge. Opens 180 degrees/
      5. Insulation: Door panel filled with 1 inch thick fiberglass insulation; 4 R value.
      6. Latch: Dual acting compression handles-operable from both sides.
      7. Handles:
         1. Units 48 inches or High or Less: 2 handles.
         2. Units over 48 inches: 3 handles.
      8. Finish: Mill finish.
    1. Product: RD-5090 For Round Ducts. Economical access to round ducts.
       1. Product Features:
          1. Pull and catch lock system.
          2. Gasketing on the door assures a tight seal without obstruction in the air system.

\*\* NOTE TO SPECIFIER \*\* Size Range: 7 x 5 to 20 x 17 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door and Frame: 16 ga galvanized steel.
      3. Gasketing: 1/8 x 1 inch wide closed cell neoprene.
      4. Standard Latch: Plated steel pull and catch.
      5. Finish: Aluminum mill finish.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. SECURITY ACCESS DOORS
     1. Product: MS-7000 For Medium Secrity. For use in medium security jails, prisons, psychiatric institutions, etc. Medium duty security access door.
        1. Product Features:
           1. A one piece trim flange and continuous concealed hinge.
           2. Door panel features rounded safety corners.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 36 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.

\*\* NOTE TO SPECIFIER \*\* Delete material option not required.

* + - 1. Door and Frame Material: 12 ga steel.
      2. Door and Frame Material: Stainless steel.
      3. Flush to frame with rounded corners and reinforced panel.
      4. One piece outer flange welded to mounting frame.
      5. Hinge: Continuous, concealed.

\*\* NOTE TO SPECIFIER \*\* Delete latch options not required. The first option is standard.

* + - 1. Latch and Lock: Tamper resistant allen head cam latch with security pin.
      2. Latch and Lock: Spanner head cam latch
      3. Latch and Lock: cylinder lock and key.
      4. Latch and Lock: Master Keying Required: Prepare doors for rim or mortise cylinder locks.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel. 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      2. Finish: Stainless Steel. Type 304 No. 4 satin polish.
    1. Product: SD-6000 Heavy Security Access Door. Installation ideal for prisons, correctional facilities, housing projects etc. Heavy duty access door designed for use in high security areas.
       1. Product Features:
          1. Security butt hinges are surface welded to the door and frame.
          2. A detention type deadbolt lock with paracentric key is standard.

\*\* NOTE TO SPECIFIER \*\* Size Range: 12 x 12 to 36 x 36 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 10 ga plate. Frame: 2 x 2 x 3/16 steel angle flush to edge of frame.
         1. Anchor straps.
      3. Hinge: Heavy duty butt hinges, welded to door and frame.
      4. Standard Latch: Detention type deadbolt lock with paracentric key.

\*\* NOTE TO SPECIFIER \*\* Delete latch options not required. The first option is standard.

* + - 1. Latches and Locks: Tamperproof security cam latches
      2. Latches and Locks: Cylinder lock and key.
      3. Latches and Locks: When Master Keying is Required: Prepare doors for rim or mortise cylinder locks.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel. 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      2. Finish: Stainless Steel. Type 304 No. 4 satin polish.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. GLASS FIBER DOORS, REINFORCED GYPSUM

\*\* NOTE TO SPECIFIER \*\* Delete door type options not required.

* + 1. Product: GFRG-R Radius Corner. Glass fiber reinforced gypsum, ceiling access doors blend seamlessly into drywall ceilings.

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 x 9 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: GFRG-S Square Corner. Glass fiber reinforced gypsum, ceiling access doors blend seamlessly into drywall ceilings.

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 x 9 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: GFRG-RH Radius Corner Hinged. Glass fiber reinforced gypsum, ceiling access doors blend seamlessly into drywall ceilings. European angle hinges.

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 x 9 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: GFRG-RH Square Corner Hinged. Glass fiber reinforced gypsum, ceiling access doors blend seamlessly into drywall ceilings. European angle hinges.

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 x 9 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: GFRG Round. Glass fiber reinforced gypsum, ceiling access doors blend seamlessly into drywall ceilings.

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 to 24 inches diameter. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product Features:
       1. Tapered edge for joint tape.
       2. Easily textured.
       3. Lightweight.
       4. No cracking or shrinkage.
       5. Mold and moisture resistant.
       6. Product Attributes:
          1. Shell Thickness: 0.125 or 0.375 inches.
          2. Fastener Test Pull Out: Wood Stud: 525 lbs. Metal Stud: 525 lbs.
          3. Fastener Push Through Test: 350 lbs.
          4. Fuel Contribution per ASTM-E84-80L: 0.
          5. Flame Spread per ASTM-E84-80: 0.
          6. Smoke Index per ASTM-E84-80: 0.
          7. Combustion per ASTM-E84-80: 0.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. GLASS FIBER DOORS, REINFORCED CEMENT
     1. Product: GFRC-R Radius Corner. Glass fiber reinforced cement, ceiling access doors are designed to blend seamlessly into exterior soffits/ceilings

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 x 9 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: GFRC-S Square Corner. Glass fiber reinforced cement, ceiling access doors are designed to blend seamlessly into exterior soffits/ceilings

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 x 9 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: GFRC-RH Square Corner, Hinged. Glass fiber reinforced cement, ceiling access doors blend seamlessly into exterior soffits/ceilings. European angle hinges.

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 x 9 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: GFRC-SH Square Corner, Hinged. Glass fiber reinforced cement, ceiling access doors blend seamlessly into exterior soffits/ceilings. European angle hinges.

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 x 9 to 24 x 24 inches. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product: GFRC-ROUND Glass fiber reinforced cement round panel ceiling access doors blend seamlessly into exterior soffits/ceilings

\*\* NOTE TO SPECIFIER \*\* Size Range: 9 to 24 inch diameter. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
    1. Product Features:
       1. Portland Cement, Fiber, Post-Consumer Recycled Glass.
       2. Tapered edge for joint tape.
       3. Easily textured.
       4. Lightweight.
       5. No cracking or shrinkage.
       6. Mold and moisture resistant.
       7. Product Attributes:
          1. Shell Thickness: 0.125 or 0.375 inches.
          2. Fastener Test Pull Out: Wood Stud: 525 lbs. Metal Stud: 525 lbs.
          3. Fastener Push Through Test: 350 lbs.
          4. Fuel Contribution per ASTM-E84-80L: 0.
          5. Flame Spread per ASTM-E84-80: 0.
          6. Smoke Index per ASTM-E84-80: 0.
          7. Combustion per ASTM-E84-80: 0.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. VALLVE BOXES
     1. Product: ARVB Recessed. Provides easy access to all types of valves and controls that need to be concealed in a wall but protected by a fully enclosed box.
        1. Product Features:
           1. The depth of the valve box can be modified to meet all the valve and control requirements.
           2. When required, vision panels, louvers, engrave plates can be supplied, along with special holes for pipes or conduits.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 x 4 to 12 x 12 x 8 inches. See TDS for comprehensive list. Delete material option not required.

* + - 1. Box Dimensions (LxWxD): \_\_\_ x \_\_\_ x \_\_\_ inches.
      2. Door, Frame, and Box Material: Galvanized steel: 16 ga.
      3. Door, Frame, and Box Material: Stainless steel: 16 ga.
      4. Door: Flush to frame, Rounded safety corners.
      5. Frame: One piece outer flange welded to box.
      6. Box: Fully enclosed, completely attached to frame.
         1. When required box can be made with open back.
      7. Hinge: Continuous, concealed.

\*\* NOTE TO SPECIFIER \*\* Delete latch options not required. The first option is standard.

* + - 1. Latch: Cylinder lock and key.
      2. Latch: Screwdriver operated cam latch
      3. Latch: Spanner head cam latch
      4. Latch: Flush paddle handle
      5. Latch: Thumb turn latch.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel. 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      2. Finish: Stainless Steel. Type 304 No. 4 satin polish.
    1. Product: ASVB Surface Mount. Provides easy access to valves and controls that extend outside of the finished wall, needing protection by anenclosed box.
       1. Product Features:
          1. Depth of valve box can be modified to meet all valve and control requirements.
          2. When required, vision panels, louvers, engraved plates can be supplied, along with special holes for pipes or conduits.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 x 4 to 12 x 12 x 8 inches. See TDS for comprehensive list. Delete material option not required.

* + - 1. Box Dimensions (LxWxD): \_\_\_ x \_\_\_ x \_\_\_ inches.
      2. Door, Frame, and Box Material: Galvanized steel: 16 ga.
      3. Door, Frame, and Box Material: Stainless steel: 16 ga.
      4. Door: Overlaps box, providing a tight secure fit.
      5. Box: Fully enclosed, completely attached to frame.
         1. When required box can be made with open back.
      6. Hinge: Continuous, exposed piano hinge.

\*\* NOTE TO SPECIFIER \*\* Delete latch options not required. The first option is standard.

* + - 1. Latch: Cylinder lock and key.
      2. Latch: Screwdriver operated cam latch.
      3. Latch: Allen head cam latch.
      4. Latch: Spanner head cam latch.
      5. Latch: Flush paddle handle.
      6. Latch: Thumb turn latch.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - 1. Finish: Steel. 5 stage iron phosphate. Prime Coat: White alkyd baked-on enamel.
      2. Finish: Stainless Steel. Type 304 No. 4 satin polish.
    1. AFVP Flush Valve Panel. Provides quick and easy access to flush valves that are concealed in the wall/
       1. Product Features:
          1. Door panel is removable from frame via tamperproof stainless steel screws.
          2. A 1-1/2 inch diameter hole in center of panel is provided for valve handle.
       2. Material: 18 ga stainless steel.

\*\* NOTE TO SPECIFIER \*\* Delete vox dimension option not required.

* + - 1. Box Dimensions (LxW): 12 x 12 inches.
      2. Box Dimensions (LxW): 15 x 15 inches.
      3. Door: Overlaps frame, completely removable via tamperproof stainless steel screws.
      4. Mounting Frame: 1-1/4 inch deep.
      5. Standard Latch: Tamperproof stainless steel screws.
      6. Finish: Stainless steel. Type 304 No. 4 satin polish.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. FLOOR DOORS - FLUSH
     1. Product: FA-300 Floor Door. 300 lbs per sq ft Loading. Designed for interior and exterior applications where watertightness is not required
        1. Product Features:
           1. Angle frame construction with integral anchor flange is designed to be cast into concrete.
           2. Retrofit frame design is available when unit is bolted into existing opening.
           3. Diamond plate door panel is equipped with a flush aluminum drop handle and an automatic hold open arm.
        2. Material: Aluminum door and frame; stainless steel hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 60 x 60 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch diamond plate reinforced for live load of 300 lbs per sq ft
      3. Frame: Fabricated extruded angle frame with an integral 1 inch anchor flange.
      4. Hinge: Stainless steel butt hinges with tamperproof stainless steel bolts and nuts.
      5. Opening Device: Automatic hold open arm with red vinyl grip allows door panel to open to 90 degrees, locking door in open position, and allowing for easy control when closing door panel.
         1. Stainless steel compression springs to add lift assistance.
         2. Electrical actuators with push button switch, and remote control.
      6. Standard Latch: Flush aluminum drop handle with staple for padlock.

\*\* NOTE TO SPECIFIER \*\* Optional. Delete if not required.

* + - * 1. Recessed Padlock Provision: Stainless steel Slamlock.
      1. Finish: Mill finish, with optional bituminous coating on exterior of frame.
    1. Product: FA-300-R Floor Door. 300 lbs per sq ft Loading. Designed for interior and exterior applications where watertightness is not required. For use when the door will not be cast into concrete, but bolted down.
       1. Product Features:
          1. Angle frame construction designed to be bolted into an existing opening.
          2. Diamond plate door panel is equipped with a flush aluminum drop handle and an automatic hold open arm.
       2. Material: Aluminum door and frame; stainless steel hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 60 x 60 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch diamond plate reinforced for live load of 300 lbs per sq ft.
      3. Frame: Angle frame fabricated from aluminum extrusion.
      4. Hinge: Stainless steel butt hinges, Tamperproof stainless steel bolts and nuts.
      5. Opening Device: Automatic hold open arm with red vinyl grip allows door panel to open to 90 degrees, locking door in open position, and allowing for easy control when closing door panel. When required, stainless steel compression springs can be provided to add lift assistance. Available with electrical actuators, operated by wall mounted push button switch, and remote control.
      6. Standard Latch: Flush aluminum drop handle with staple for padlock.

\*\* NOTE TO SPECIFIER \*\* Optional. Delete if not required.

* + - * 1. Recessed Padlock Provision: Stainless steel Slamlock.
      1. Finish: Mill finish, with optional bituminous coating on exterior of frame.
    1. Product: FA-H20 Floor Door. H20 Loading. Indoor or Outdoor applications where dirt and water are prevented from falling into work area. Drainage is provided through threaded coupling in channel.
       1. Product Features:
          1. Angle frame construction with integral anchor flange is designed to be cast into concrete.
          2. Diamond plate door panel equipped with flush aluminum drop handle and an automatic hold open arm, along with stainless steel compression spring and stainless steel Slamlock.
          3. For off-street locations that may occasionally receive AASHTO H 20-44 wheel loads.
       2. Material: Aluminum door and frame; stainless steel hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 60 x 60 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch aluminum diamond plate reinforced to meet AASHTO specification H 20-44 for traffic loading; 16000 lbs wheel load over 10 x 20 inch area with 30 percent added for impact.
      3. Hinge: Stainless steel butt hinges. Tamperproof stainless steel bolts and nuts.
      4. Frame: Angle frame fabricated from aluminum extrusion with an integral 1 inch anchor flange
      5. Opening Device: Automatic hold open arm with red vinyl grip allows door panel to open to 90 degrees, locking door in open position, and allowing for easy control when closing door panel. Stainless steel compression springs provide lift assistance. Available with electrical actuators, operated by wall mounted push button switch, and remote control.
      6. Standard Latch: Flush aluminum drop handle, stainless steel slamlock with a fixed inside handle, removable outside handle, and removable threaded plug.
      7. Finish: Mill finish, with bituminous coating on exterior of frame.
    1. Product: FC-300 Floor Door. Channel Frame, 300 lbs per sq ft loading. Indoor or Outdoor applications where dirt and water are prevented from falling into work area. Drainage is provided through threaded coupling in channel
       1. Product Features:
          1. Channel frame construction with 1-1/2 inch drainage coupling and integral anchor flange is designed to be cast into concrete.
          2. Diamond plate door panel is equipped with a flush aluminum drop handle and an automatic hold open arm.
       2. Material: Aluminum door and frame; stainless steel hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 60 x 60 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch aluminum diamond plate reinforced for live load of 300 lbs per sq ft
      3. Frame: Aluminum extrusion angle with integral 1 inch anchor flange,
      4. Hinge: Stainless steel butt hinges. Tamperproof stainless steel bolts and nuts.
      5. Opening Device: Automatic hold open arm with red vinyl grip allows door panel to open to 90 degrees, locking door in open position, and allowing for easy control when closing door panel. When required, stainless steel compression springs can be provided to add lift assistance. Available with electrical actuators, operated by wall mounted push button switch, and remote control
      6. Standard Latch: Flush aluminum drop handle with staple for padlock.

\*\* NOTE TO SPECIFIER \*\* Optional. Delete if not required.

* + - * 1. Recessed Padlock Provision: Stainless steel Slamlock.
      1. Finish: Mill finish, with optional bituminous coating on exterior of frame.
    1. Product: FC-H20 Floor Door. Channel Frame, H20 Loading. Indoor or Outdoor applications where dirt and water are prevented from falling into work area. Drainage is provided through threaded coupling in channel.
       1. Product Features:
          1. Channel frame construction with 1-1/2 inch drainage coupling and integral anchor flange is designed to be cast into concrete.
          2. Diamond plate door panel is equipped with a flush aluminum drop handle and an automatic hold open arm.
          3. Designed for off-street locations that may occasionally receive AASHTO H 20-44 wheel loads.
       2. Material: Aluminum door and frame; stainless steel hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 60 x 60 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch aluminum diamond plate reinforced to meet AASHTO specification H 20-44 for traffic loading; 16000 lbs wheel load with 30 percent added for impact.
      3. Frame: Channel frame fabricated from aluminum extrusion with 1-1/2 inch drainage coupling and integral 1 inch anchor flange.
      4. Hinge: Stainless steel butt hinges. Tamperproof stainless steel bolts and nuts.
      5. Opening Device: Automatic hold open arm with red vinyl grip allows door panel to open to 90 degrees, locking door in open position, and allowing for easy control when closing door panel. When required, stainless steel compression springs can be provided to add lift assistance. Available with electrical actuators, operated by wall mounted push button switch, and remote control.
      6. Latch: Flush aluminum drop handle with stainless steel Slamlock.
      7. Finish: Mill finish, with optional bituminous coating on exterior of frame
    1. Product: FRFD Floor Door. Fire Rated, Flush Diamond Plate. Maintains the fire rating of a 2 hour floor ceiling assembly. Designed for interior applications
       1. Product Features:
          1. Flush aluminum diamond plate cover.
          2. Warnock Hersey International 2 hour fire rating.
          3. Tested to NFPA 288 ; ASTM E119.
       2. Material: Aluminum door and top frame. Stainless steel bottom frame, hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 48 x 48 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch .diamond plate reinforced for live load of 150 lbs per sq ft.
      3. Frame: 3 x 3 x 1/4 inch top frame with thermal break, and 3-1/2 x 2 inch, 11 ga stainless steel bottom frame.
      4. Insulation: Two, 1 inch thick layers of ceramic blanket insulation attached to bottom frame.
      5. Hinge: Type 316 stainless steel continuous piano hinge.
      6. Opening Device: Door panel opens 90 degrees. Automatic hold open arm with red vinyl grip to ensure safe egress. Stainless steel compression springs provide lift assistance. U.L. listed 165 degrees fusible link is provided for automatic closing and latching in event of smoke or fire.
      7. Latch: Stainless steel slam latch assembly with interior release.
    1. Product: AW-APS Floor Door, Flood/Gas/Odor Resistant. Designed for interior and exterior applications where flood, gas, or odor resistance is required.
       1. Product Features:
          1. Angle frame construction with anchors welded around frame for casting into concrete.
          2. Diamond plate door panel reinforced for live load of 1560 lbs per sq ft. Capable of holding 25 ft head of water; downward pressure only.
          3. Door panel overlaps frame, compressing gasket providing a continuous seal. AW-APS is designed for downward water pressure only.
          4. EPDM gasket and cam locks designed so door will not leak from standing water, and to reduce amount of gases and odor that can escape from below.
       2. Material: Aluminum door and frame. Type 316 Stainless steel hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 36 x 48 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch diamond plate reinforced for live load of 1560 lbs per sq ft. Capable of holding 25 ft head of water; downward pressure only.
      3. Frame: 3/8 inch aluminum with 3/16 x 1-1/2 inch strap anchors welded around frame for casting into concrete.
      4. Hinge: Type 316 stainless steel butt hinges with tamper proof stainless steel bolts and nuts.
      5. Gasket: 9/16 inch O.D. x 1/8 inch I.D. EPDM.
      6. Opening Device: Automatic hold open arm with red vinyl grip allows door to open to 90 degrees, locking door in open position and allowing for easy control when closing door panel. Optional Lift Assist available.
      7. Standard Latch: Type 316 stainless steel watertight cam locks and flush watertight handle.
      8. Finish: Mill finish is standard, Bituminous coating optional on exterior of frame.
    1. Product: A-FPS Floor Door. Flood Resistant. Designed for applications where water may rise above the surface opening, or where odor and gas may need to be suppressed. This door is ideal for retrofit applications. This design is suitable for use in potable water applications.
       1. Product Features:
          1. Angle frame construction. 4 inch high horizontal leg, allows for bolting to concrete.
          2. Diamond plate door panel reinforced for live load of 625 lbs per sq ft capable of holding 10 ft head of water from outside; downward pressure only.
          3. Door panel overlaps frame, compressing gasket for flood resistant fit.
          4. U shaped neoprene gasket and stainless steel pressure lock system ensure door will reduce amount of odor and gases escaping from below.
       2. Material: Aluminum door and frame. Type 316 Stainless steel hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 36 x 48 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch diamond plate reinforced for live load of 625 lbs per sq ft capable of holding 10 ft head of water; downward pressure only.
      3. Hinge: Type 316 stainless steel butt hinges Tamper proof stainless steel bolts and nuts.
      4. Gasket: 3/8 inch neoprene gasket.
      5. Opening Device: Automatic hold open arm with red vinyl grip allows door to open to 90 degrees, locking door in open position allowing for easy control when closing door panel. Stainless steel compression springs for lift assistance.
      6. Standard Latch: Type 316 stainless steel pressure lock system and exterior staple for padlock.
      7. Finish: Bituminous coating on exterior frame.
    1. Product: FD-8060 Floor Door. Non Hinged, Flush Diamond Plate. Designed for interior and exterior applications that require an access opening that will blend in with the surrounding floor material.
       1. Product Features:
          1. Flush Diamond Plate door panel.
          2. Door panel removable via screws.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 24 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch aluminum diamond plate reinforced. Live load: 150 lbs per sq ft.
      3. Frame: 1 x 1 inch aluminum angle designed to be cast into concrete.
      4. Standard Latch: Door panel secured to frame with 1/4 x 1 inch flat head screws.
      5. Finish: Mill finish.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete products not required.

* 1. FLOOR DOORS - RECESSED
     1. Product: FT-8040 Floor Door. Recessed 1/8 inch for Vinyl Tile/Carpet. Designed for interior and exterior applications that require an access opening that will blend in with the surrounding floor material.
        1. Product Features
           1. Recessed 1/8 inch to accommodate carpeting and vinyl tile.
           2. Door panel is equipped with a flush aluminum drop handle and an automatic hold open arm
           3. Material: Aluminum door and frame.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 60 x 60 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch smooth aluminum plate reinforced, Live Load: 150 lbs per sq ft.
      3. Extruded edging is welded to door panel, providing a 1/8 inch recess.
      4. Frame: Fabricated from aluminum extrusion angle frame with integral 1 inch anchor flange on three sides and welded anchor straps on hinge side.
      5. Hinge: Extruded aluminum hinges welded to inside of door panel and pivot on stainless steel pins. Hold open arm with red Vinyl grip allow automatic opening.
      6. Opening Device: Opens door 90 degrees, locking door in open position, and allowing for easy control when closing door panel. Stainless steel torsion bars provide lift assistance. Available with electrical actuators, operated by wall mounted push button switch, and remote control.
      7. Standard Latch: Stainless steel slamlock with a fixed inside handle, removable outside handle, and removable threaded plug.
      8. Finish: Mill finish with bituminous coating applied to exterior of frame.
    1. Product: FT-8050 Floor Door. Recessed 1 inch for Ceramic Tile/Concrete. Designed for interior and exterior applications that require an access opening that will blend in with the surrounding floor material
       1. Product Features:
          1. Recessed 1 inch to accommodate ceramic tile/concrete flooring.
          2. Door panel is equipped with a flush aluminum drop handle and an automatic hold open arm.
       2. Material: Aluminum door and frame. Stainless steel hinges and hardware.

\*\* NOTE TO SPECIFIER \*\* Size Range: 24 x 24 to 60 x 60 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch smooth aluminum plate reinforced for live load of 300 lbs per sq ft. Extruded edging is welded to door panel, providing a 1 inch recess.
      3. Frame: Channel frame fabricated from aluminum extrusion with 1-1/2 inch drainage coupling and integral 1 inch anchor flange.
      4. Hinge: Stainless steel continuous piano hinge.
      5. Opening Device: Automatic Hold-Open Arm with red vinyl grip allows door panel to open to 90 degrees, locking door in open position, and allowing for easy control when closing door panel. Stainless Steel Open Compression Springs provide lift assist. Available with electrical actuators, operated by wall mounted push button switch, and remote control.
      6. Standard Latch: Stainless steel slam lock with a fixed inside handle, removable outside handle, and removable threaded plug.
      7. Finish: Mill finish with bituminous coating applied to exterior of frame.
    1. Product: FT-8080 Floor Door. Non Hinged Panel Recessed 1/8" for Vinyl Tile/Carpet. Designed for interior and exterior applications that require an access opening that will blend in with the surrounding floor material
       1. Product Features:
          1. To keep floor material from cracking or chipping within door panel. Securing screws are located in flange of mounting frame.
          2. Recessed 1/8 inch to accommodate carpeting and vinyl tile.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 24 inch. See TDS for comprehensive list.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch smooth aluminum plate reinforced for live load of 150 lbs per sq ft. Recessed 1/8 inch for carpet and vinyl tile.
      3. Frame: 1-1/2 x 1-1/4 inch aluminum angle with mounting holes in top flange
      4. Standard Latch: Secure door panel to frame with 1/4 x 1 inch flat head screws.
      5. Finish: Mill finish.
    1. Product: FT-8080-1 Floor Door. Non Hinged Panel Recessed 1/8" for Vinyl Tile/Carpet. Designed for interior and exterior applications that require an access opening that will blend in with the surrounding floor material.
       1. Product Features:
          1. To keep floor material from cracking or chipping within door panel. Securing screws are located in flange of mounting frame.
          2. Recessed 1 inch to accommodate ceramic tile and concrete.

\*\* NOTE TO SPECIFIER \*\* Size Range: 8 x 8 to 24 x 24 inch. See TDS for comprehensive list.

* + - * 1. Size: \_\_\_ x \_\_\_ inches.
        2. Door: 1/4 inch smooth aluminum plate reinforced for live loads of 150 lbs per sq ft. Recessed 1 inch for ceramic tile and concrete.
        3. Frame: 1-1/2 x 1-1/4 inch aluminum angle with mounting holes in top flange
        4. Standard Latch: Secure door panel to frame with 1/4 x 1 inch flat head screws.
        5. Finish: Mill finish.
    1. Product: EEH Floor Door. Emergency Egress Hatch. In Metro systems everywhere, the EEH Emergency Egress Door provides passengers and crew with an auxiliary exit to the street level in emergency situations.
       1. Product Features:
          1. Channel frame construction with anchors welded around the frame for casting into concrete.
          2. Diamond plate door panel is reinforced for a live load of 300 lbs per sq ft; pedestrian loading or light vehicular loading for off-street locations.
       2. Cover and Frame: Mill finish aluminum. Hardware: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Typically, these doors provide unobstructed openings in the range of 48 x 120 inches. See TDS for comprehensive list or contact Manufacturer for more information.

* + - 1. Size: \_\_\_ x \_\_\_ inches.
      2. Door: 1/4 inch diamond plate panel, reinforced. Live load: 300 lbs per sq ft. Flush steel lifting handles. Covers equipped with 316 stainless steel hold-open arms with red vinyl grip to hold cover in the 90 degrees open position.
      3. Frame: 3/8 inch aluminum channel that drains rainwater through a 1-1/2 inich pipe coupling.
      4. Hinge: 316 stainless steel with tamper resistant fasteners.
      5. Springs: Stainless steel compression springs enclosed in telescoping tubes.
      6. Lower tube interlocks with spring support bracket welded to the door frame.
      7. Latch: Two-point 316 stainless steel with interior push bar and exterior plug for fire department spanner.
      8. Handrail: Aluminum tubing welded to each cover.
      9. Signage: "Push Bar" and "Keep Clear" included.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly constructed and prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect in writing 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, approved submittals, and in proper relationship with adjacent construction.
   4. FIELD QUALITY CONTROL
      1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.
   5. CLEANING AND PROTECTION
      1. Clean products in accordance with the manufacturers recommendations.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION