SECTION 08 71 00

DOOR HARDWARE AND ACCESSORIES

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\*\* NOTE TO SPECIFIER \*\* IVES an Allegion brand; Door Hardware and Accessories.  
 .  
 This section is based on the products of IVES an Allegion brand, which is located at:  
11819 N. Pennsylvania St  
Carmel, IN 46032   
Toll Free Tel: 877-578-1247  
Email: [request info (contactus@allegion.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=IVES+an+Allegion+brand&coid=39792&rep=&fax=&message=RE:%20Spec%20Question%20(08710ive):%20%20&mf=)  
Web: [us.allegion.com/brands/ives/Pages/default.aspx](http://us.allegion.com/brands/ives/Pages/default.aspx)   
[ [Click Here](http://www.arcat.com/arcatcos/cos39/arc39792.html) ] for additional information.  
   
 .

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Hinges and Pivots.
    2. Stops.
    3. Window Hardware.
    4. Pulls and Plates.
    5. Exterior Hardware.
    6. Flush Bolts and Coordinators.
    7. Hooks and Brackets.
    8. Latches, Catches and Bolts.
  1. RELATED SECTIONS

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

* + 1. Section 05 10 00 - Structural Metal Framing.
    2. Section 06 10 00 - Rough Carpentry.
    3. Section 08 11 00 - Metal Doors and Frames.
    4. Section 08 10 00 - Doors and Frames.
  1. REFERENCES

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

* + 1. ANSI A117.1 - Accessible and Useable Buildings and Facilities.
    2. ANSI A156.1
    3. ANSI A156.26
    4. BHMA - Builder Hardware Manufacturers Association
    5. Underwriters Laboratories (UL). - Fire Resistance Directory.
       1. UL 10C
       2. UL 634
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.
     3. Shop Drawings: Manufacturer's approved shop drawings are required detailing the application of each product specified.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two full size samples representing manufacturer's full range of available colors and patterns.
    2. Verification Samples: For each finish product specified, two full size samples, representing actual product, color, and patterns.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: All equipment specified in this section will be provided by a single manufacturer with a minimum of ten (10) years experience manufacturing door hardware.
     2. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing products of the same type and scope as specified.

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

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
       1. Finish areas designated by Architect.
       2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
       3. Refinish mock-up area as required to produce acceptable work.
  1. DELIVERY, STORAGE, AND HANDLING
     1. Store products in manufacturer's unopened packaging until ready for installation.
     2. Store and dispose of hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities having jurisdiction.
  2. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
  3. WARRANTY
     1. At project closeout, provide to the Owner or Owner's Representative an executed copy if the manufacturer's Limited Warranty against Manufacturing Defects.
        1. Duration: Ten (10) years.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: IVES an Allegion brand, which is located at: 11819 N. Pennsylvania St; Carmel, IN 46032 ; Toll Free Tel: 877-578-1247; Email: [request info (contactus@allegion.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=IVES+an+Allegion+brand&coid=39792&rep=&fax=&message=RE:%20Spec%20Question%20(08710ive):%20%20&mf=); Web: [us.allegion.com/brands/ives/Pages/default.aspx](http://us.allegion.com/brands/ives/Pages/default.aspx)

\*\* 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 \*\* Retain only those products required on the project and delete all others. Delete the entire article if Hinges and Pivots are not required.

* 1. Hinges and Pivots
     1. Architectural Hinges:
        1. Model: 3PB1 - 3 Knuckle, Plain Bearing Full Mortise Hinge.
           1. Conformance: ANSI A156.1 Grade 1
           2. Hinge Duty: Standard weight / Low frequency.

\*\* NOTE TO SPECIFIER \*\* Select finish from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Not for use with a door closer.
        5. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 3CB1 - 3 Knuckle, Concealed Bearing Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Standard weight / Medium frequency.

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 3CB1HW - 3 Knuckle, Concealed Bearing Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Heavyweight / High frequency.

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 3SP1 - 3 Knuckle Spring Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Standard weight / Low frequency.

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 5PB1 - 5 Knuckle, Plain Bearing Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Standard weight / Low frequency.

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Not for use with a door closer.
        5. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 5BB1 - 5 Knuckle, Ball Bearing Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Standard weight / Medium frequency.

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 5BB1HW - 5 Knuckle, Ball Bearing, Heavy Weight Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Heavyweight / High frequency.

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 5BB1WT - 5 Knuckle, Ball Bearing, Wide Throw Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Medium weight / Medium frequency.
         3. Substrate: Steel.
         4. Size, finish, and options as noted in the door hardware schedule.
      2. Model: 5BB4 - 5 Knuckle, Ball Bearing, Half Surface Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Standard weight / Medium frequency.
         3. Substrate: Steel.
         4. Size, finish, and options as noted in the door hardware schedule.
      3. Model: 5BB4HW - 5 Knuckle, Ball Bearing, Half Surface Heavy Weight Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Heavyweight / High frequency.
         3. Substrate: Steel.
         4. Size, finish, and options as noted in the door hardware schedule.
      4. Model: 5BB1SC - 5 Knuckle, Ball Bearing, Swing Clear Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Standard weight / Medium frequency.

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Clear Opening Angle: 92 degrees.
        5. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 5BB1SCHW - 5 Knuckle, Ball Bearing, Swing Clear Heavy Weight Full Mortise Hinge
         1. Conformance: ANSI A156.1 Grade 1
         2. Hinge Duty: Heavyweight / High frequency.

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Clear Opening Angle: 92 degrees.
        5. Size, finish, and options as noted in the door hardware schedule.
      1. Model: Electrified Hinge.
         1. Conformance: ANSI A156.1 Grade 1, UL 634

\*\* NOTE TO SPECIFIER \*\* Select wiring option. Delete two of the next three paragraphs.

* + - * 1. Wiring: Through Wire - TW4 (4 wires) and TW8 (8 wires).
        2. Wiring: Monitor - MON.
        3. Wiring: Through Wire with Monitor - TW4M and TW8M.

\*\* NOTE TO SPECIFIER \*\* Select knuckles. Delete one of the next two paragraphs.

* + - * 1. Knuckles: 3
        2. Knuckles: 5

\*\* NOTE TO SPECIFIER \*\* Select Substrate from the following options and delete those not required.

* + - * 1. Substrate: Steel.
        2. Substrate: Stainless Steel.
        3. Substrate: Brass.
        4. Size, finish, and options as noted in the door hardware schedule.
      1. Model: 1000 Series Residential Hinge.
         1. Conformance: ANSI A156.1 Grade 1
         2. Substrate: Steel.
         3. Size, finish, and options as noted in the door hardware schedule.
    1. Continuous Geared Hinges:
       1. Conformance: ANSI A156.26 Grade 1
       2. Material: 6063-T6 Aluminum.
       3. Hinge Duty: Heavy Duty.
       4. Fire Rating: 90 Minutes.
       5. Finish, length and options as noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Select model(s) from the next eight paragraphs and delete those not required.

* + - 1. Model: 045HD - Half Surface Aluminum Continuous Hinge.
      2. Model: 046HD - Half Surface Aluminum Continuous Hinge.
      3. Model: 053HD - Half Surface Aluminum Continuous Hinge.
      4. Model: 054HD - Half Surface Aluminum Continuous Hinge.
      5. Model: 112HD - Full Mortise Aluminum Geared Continuous Hinge.
      6. Model: 157HD - Full Surface, Center Pivot Aluminum Geared Hinge (Not UL Listed).
      7. Model: 210HD - Full Surface, Swing Clear Aluminum Geared Hinge.
      8. Model: 224HD - Full Mortise Aluminum Geared Continuous Hinge.
    1. Continuous Geared Hinges:
       1. Conformance: ANSI A156.26 Grade 1
       2. Material: Stainless Steel.
       3. Hinge Duty: Heavy Duty.
       4. Fire Rating: 3 Hours.
       5. Finish, length and options as noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Select model(s) from the next five paragraphs and delete those not required.

* + - 1. Model: 600/700 - Full Mortise Pin and Barrel Continuous Hinge for Doors Weighing up to 600 pounds.
      2. Model: 602/702 - Full Surface Pin and Barrel Continuous Hinge for Doors Weighing up to 600 pounds.
      3. Model: 611/711 - Swing Clear Pin and Barrel Continuous Hinge for Doors Weighing up to 600 pounds.
      4. Model: 705 Full Mortise, Full Wrap Pin and Barrel Continuous Hinge for Doors Weighing up to 600 pounds.
      5. Model: 715 Full Mortise, Half Wrap Pin and Barrel Continuous Hinge for Doors Weighing up to 600 pounds.

\*\* NOTE TO SPECIFIER \*\* Select offset pivot(s) from the next 13 paragraphs and delete those not required.

* + 1. Offset Pivots:
       1. Model: 7212 - 3/4 inch (19mm) Offset Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 200 Lbs (90kg).
          3. Material, finish, options, and handing as noted in the door hardware schedule.
       2. Model: 7212V - 3/4 inch (19mm) Offset Pivot.
          1. Max Weight: 200 Lbs (90kg).
          2. Material, finish, options, and handing as noted in the door hardware schedule.
       3. Model: 7215 - 3/4 inch (19mm) Offset Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 500 Lbs (226kg).
          3. UL Fire Resistance: 20 Minutes.
          4. Material, finish, options, and handing as noted in the door hardware schedule.
       4. Model: 7215F - 3/4 inch (19mm) Offset Pivot. - Fire Rated.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 500 Lbs (226kg).
          3. UL Fire Resistance: 3 Hour.
          4. Material, finish, options, and handing as noted in the door hardware schedule.
       5. Model: 7222 - 3/4 inch (19mm) Offset Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 200 Lbs (90kg).
          3. Material, finish, options, and handing as noted in the door hardware schedule.
       6. Model: 7226 - 3/4 inch (19mm) Offset Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 600 Lbs (272kg).
          3. UL Fire Resistance: 20 Minutes.
          4. Material, finish, and options as noted in the door hardware schedule.
       7. Model: 7226F - 3/4 inch (19mm) Offset Pivot - Fire Rated.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 600 Lbs (272kg).
          3. UL Fire Resistance: 3 Hour.
          4. Material, finish, and options as noted in the door hardware schedule.
       8. Model: 7227 - 3/4 inch (19mm) Offset Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 700 Lbs (317kg).
          3. UL Fire Resistance: 20 Minutes.
          4. Material, finish, and options as noted in the door hardware schedule.
       9. Model: 7227F - 3/4 inch (19mm) Offset Pivot - Fire Rated.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 700 Lbs (317kg).
          3. UL Fire Resistance: 3 Hour.
          4. Material, finish, and options as noted in the door hardware schedule.
       10. Model: 7230F - 3/4 inch (19mm) Offset Pivot - Heavy Duty/ Fire Rated.
           1. Conformance: Meets ANSI A156.4.
           2. Max Weight: 1000 Lbs (453kg).
           3. UL Fire Resistance: 3 Hour.
           4. Material, finish, and options as noted in the door hardware schedule.
       11. Model: 7237F - 3/4 inch (19mm) Offset Pivot - Heavy Duty/ Fire Rated.
           1. Conformance: Meets ANSI A156.4.
           2. Max Weight: 1750 Lbs (793kg).
           3. UL Fire Resistance: 3 Hour.
           4. Material, finish, and options as noted in the door hardware schedule.
       12. Model: 7244F - 1 1/2 inch (38mm) Offset Pivot - Heavy Duty/ Fire Rated.
           1. Conformance: Meets ANSI A156.4.
           2. Max Weight: 400 Lbs (181kg).
           3. UL Fire Resistance: 3 Hour.
           4. Material, finish, and options as noted in the door hardware schedule.
       13. Model: 7245F - 1 1/2 inch (38mm) Offset Pivot - Heavy Duty/ Fire Rated.
           1. Conformance: Meets ANSI A156.4.
           2. Max Weight: 500 Lbs (226kg).
           3. UL Fire Resistance: 3 Hour.
           4. Material, finish, and options as noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Where required, select Intermediate pivot(s) from the next six paragraphs and delete those not required.

* + 1. Intermediate Pivots:
       1. Model: 7212-7212V-7222 INT.
          1. Conformance: Meets ANSI A156.4.
          2. UL Fire Resistance: 20 Minutes.
          3. Material, finish, and options as noted in the door hardware schedule.
       2. Model: 7215-7226-7227 INT.
          1. Conformance: Meets ANSI A156.4.
          2. UL Fire Resistance: 20 Minutes.
          3. Material, finish, and options as noted in the door hardware schedule.
       3. Model: 7215F-7226F-7227F INT.
          1. Conformance: Meets ANSI A156.4.
          2. UL Fire Resistance: 3 Hour.
          3. Material, finish, and options as noted in the door hardware schedule.
          4. Model: 7215-7226-7227 INT.
       4. Model: 7230F-7237F INT.
          1. Conformance: Meets ANSI A156.4.
          2. UL Fire Resistance: 3 Hour.
          3. Material, finish, and options as noted in the door hardware schedule.
          4. Model: 7215-7226-7227 INT.
       5. Model: 7244F-7245F.
          1. Conformance: Meets ANSI A156.4.
          2. UL Fire Resistance: 3 Hour.
          3. Material, finish, and options as noted in the door hardware schedule.
          4. Model: 7215-7226-7227 INT.
       6. Model: 7215PT-7226PT-7227PT - Power Transfer Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. UL Fire Resistance: 20 Minutes.
          3. Material, finish, and options as noted in the door hardware schedule.
       7. Model: 7215FPT-7226FPT-7227FPT - Power Transfer Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. UL Fire Resistance: 3 Hour.
          3. Material, finish, and options as noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Select center hung pivot(s) from the next five paragraphs and delete those not required.

* + 1. Center Hung Pivots:
       1. Model: 7253 - Center Hung Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 300 Lbs (136kg).
          3. Material, finish, and options as noted in the door hardware schedule.
       2. Model: 7255 - Center Hung Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 500 Lbs (226kg).
          3. Material, finish, and options as noted in the door hardware schedule.
       3. Model: 7255J - Center Hung Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 500 Lbs (226kg).
          3. Material, finish, and options as noted in the door hardware schedule.
       4. Model: 7256 - Center Hung Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 600 Lbs (272kg).
          3. Material, finish, and options as noted in the door hardware schedule.
       5. Model: 7259 - Center Hung Pivot.
          1. Conformance: Meets ANSI A156.4.
          2. Max Weight: 1000 Lbs (453kg).
          3. Material, finish, and options as noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Retain the next paragraph if pocket pivots are required.

* + 1. Pocket Pivots:
       1. Model: 91105F, 91105F-PT - Pocket Pivot/Hinge.
          1. Conformance: Meets ANSI A156.4.
          2. UL Fire Resistance: 20 Minutes (wood), 3 hours (fire door).
          3. Max Weight: 300 Lbs (136kg).
          4. Material, finish, and options as noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Retain only those products required on the project and delete all others. Delete the entire article if Pulls and plates are not required.

* 1. Pulls and Plates

\*\* NOTE TO SPECIFIER \*\* Select pull(s) from the next 12 paragraphs and delete those not required.

* + 1. Pulls:
       1. Model: 8102 Door Pull - 3/4 (19mm) Round.
          1. Projection: 2 1/4 (57mm).
          2. Clearance: 1 1/2 inches (38mm).
          3. Size and Finish: As noted in the door hardware schedule.
       2. Model: 8103HD Door Pull - 1 inch (25mm) Round.
          1. Projection: 2 1/2 (64mm).
          2. Clearance: 1 1/2 inches (38mm).
          3. Size and Finish: As noted in the door hardware schedule.
       3. Model: 8103EZ Door Pull - 1 inch (25mm) Round Large 2-1/2 (64mm) clearance for accessibility applications.
          1. Projection: 3 1/2 (89mm).
          2. Clearance: 2 1/2 (64mm).
          3. Size and Finish: As noted in the door hardware schedule.
       4. Model: 8105 Door Pull - 1 inch (25mm) Flattened.
          1. Projection: 2 inches (51mm).
          2. Size and Finish: As noted in the door hardware schedule.
       5. Model: 8111-5 Door Pull.
          1. Size: 5 1/4 inches (133mm).
          2. Projection: 1 13/16 inches (46mm).
          3. Finish: As noted in the door hardware schedule.
       6. Model: 8112-5 Door Pull.
          1. Size: 5 1/4 inches (133mm).
          2. Projection: 2 13/16 inches (71mm).
          3. Finish: BHMA 626 Brass.
       7. Model: 8121 Door Pull.
          1. Size: 5 3/4 inches (146mm).
          2. Projection: 3 1/2 inches (89mm).
          3. Finish: BHMA 626 Brass.
       8. Model: 8190 90 Degree Offset Door Pull.
          1. Projection: 3 1/4 (83mm).
          2. Clearance: 2 1/4 (58mm).
          3. Size and Finish: As noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Select push/pull plate(s) from the next six paragraphs and delete those not required.

* + 1. Push/Pull Plates:
       1. Model: 8200 Push Plate - Size and Finish: As noted in the door hardware schedule.
       2. Model: 8300 Pull Plate; Prep for pull - Size and Finish: As noted in the door hardware schedule.
       3. Model: 8302 Pull plate - Size and Finish: As noted in the door hardware schedule.
       4. Model: 8303 Pull plate - Size and Finish: As noted in the door hardware schedule.
       5. Model: 8305 Pull plate - Size and Finish: As noted in the door hardware schedule.
       6. Model: 8311 Pull plate - Size and Finish: As noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Select push/pull bar(s) from the next seven paragraphs and delete those not required.

* + 1. Push/Pull Bars:
       1. Model: 9100HD Push Bar.
          1. Projection: 2 1/2 (64mm).
          2. Clearance: 1 1/2 inches (38mm).
          3. Size and Finish: As noted in the door hardware schedule.
       2. Model: 9264 Offset 36 inch (914mm) Long Door Pull.
          1. Projection: 2 3/4 inches (70mm).
          2. Clearance: 1 1/2 inches (38mm).
          3. Size and Finish: As noted in the door hardware schedule.
       3. Model: 9265 Offset 72 inch (1829mm) Long Door Pull.
          1. Projection: 2 3/4 inches (70mm).
          2. Clearance: 1 1/2 inches (38mm).
          3. Size and Finish: As noted in the door hardware schedule.
       4. Model: 9266 Offset 36 inch (914mm) Long Door Pull.
          1. Projection: 2 3/4 inches (70mm).
          2. Clearance: 1 1/2 inches (38mm).
          3. Size and Finish: As noted in the door hardware schedule.
       5. Model: 9267 Offset 72 inch (1829mm) Long Door Pull.
          1. Projection: 2 3/4 inches (70mm).
          2. Clearance: 1 1/2 inches (38mm).
          3. Size and Finish: As noted in the door hardware schedule.
       6. Model: 9103EZ Straight Pull/Pushbar Combo (8103EZ Pull + 9100 Push).
          1. Dimensions as noted within the individual components.
          2. Size and Finish: As noted in the door hardware schedule.
       7. Model: 9190 Offset Pull/Pushbar Combo (8190 pull + 9100 push).
          1. Dimensions as noted within the individual components.
          2. Size and Finish: As noted in the door hardware schedule.
    2. Vandal Resistant Trim:
       1. Material: 11 gauge stainless steel, BHMA 630 finish.

\*\* NOTE TO SPECIFIER \*\* Select trim(s) from the next 26 paragraphs and delete those not required.

* + - 1. Model: VR810-DT; with black grip.
      2. Model: VR814-DT; without black grip.
      3. Model: VR810-NL LHR; with black grip.
      4. Model: VR810-NL RHR; with black grip.
      5. Model: VR814-NL LHR; without black grip.
      6. Model: VR814-NL RHR; without black grip.
      7. Model: VR810-NL-V; with black grip.
      8. Model: VR810-NL-V; without black grip.
      9. Model: VR900 RHR; with black grip.
      10. Model: VR900 LHR; with black grip.
      11. Model: VR904 RHR; without black grip.
      12. Model: VR904 LHR; without black grip.
      13. Model: VR900LLP RH; with black grip.
      14. Model: VR900LLP LH; with black grip.
      15. Model: VR904LLP RH; without black grip.
      16. Model: VR904LLP LH; without black grip.
      17. Model: VR910-DT; with black grip.
      18. Model: VR914-DT; without black grip.
      19. Model: VR910-NL; with black grip.
      20. Model: VR914-NL; without black grip.
      21. Model: VR910M-DT; with black grip.
      22. Model: VR914M-DT; without black grip.
      23. Model: VR910M-NL RHR; with black grip.
      24. Model: VR910M-NL LHR; with black grip.
      25. Model: VR914M-NL RHR; without black grip.
      26. Model: VR914M-NL LHR; without black grip.
    1. Protection Trim:
       1. Size, material and Finish: As noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Select trim(s) from the next two paragraphs and delete those not required.

* + - 1. Model: 8400 Protection Plate.
      2. Model: 8402 UL Protection Plate.

\*\* NOTE TO SPECIFIER \*\* Retain only those products required on the project and delete all others. Delete the entire article if Flush Bolts and Coordinators are not required.

* 1. Flush Bolts and Coordinators
     1. Automatic Flush Bolts:

\*\* NOTE TO SPECIFIER \*\* Select bolt(s) from the next nine paragraphs and delete those not required.

* + - 1. Model: FB31P Top and Bottom Bolts (Pair).
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      2. Model: FB31T Top Bolt Only.
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      3. Model: FB31B Bottom Bolt Only.
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      4. Model: FB32 Top Bolt with Auxiliary Fire Latch.
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      5. Model: FB33 Top Bolt with Auxiliary Fire Latch and Retrofit Plate.
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      6. Model: FB41P Top and Bottom Bolts (Pair).
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 90 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      7. Model: FB41T Top Bolt Only.
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 90 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      8. Model: FB41B Bottom Bolt Only.
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 90 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      9. Model: FB42 Top Bolt with Auxiliary Fire Latch.
         1. Conformance: Meets ANSI A156.3 Type 25.
         2. UL Fire Resistance: 20 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
    1. Constant Latching Flush Bolts:

\*\* NOTE TO SPECIFIER \*\* Select bolt(s) from the next seven paragraphs and delete those not required.

* + - 1. Model: FB51P Top and Bottom Bolts (Pair).
         1. Conformance: Meets ANSI A156.3 Type 27.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      2. Model: FB51T Top Bolt Only.
         1. Conformance: Meets ANSI A156.3 Type 27.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      3. Model: FB52 Top Bolt with Auxiliary Fire Latch.
         1. Conformance: Meets ANSI A156.3 Type 27.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      4. Model: FB53 Top Bolt with Auxiliary Fire Latch and Retrofit Plate.
         1. Conformance: Meets ANSI A156.3 Type 27.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      5. Model: FB61P Top and Bottom Bolts (Pair).
         1. Conformance: Meets ANSI A156.3 Type 27.
         2. UL Fire Resistance: 90 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      6. Model: FB61T Top Bolt Only.
         1. Conformance: Meets ANSI A156.3 Type 27.
         2. UL Fire Resistance: 90 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      7. Model: FB62 Top Bolt with Auxiliary Fire Latch.
         1. Conformance: Meets ANSI A156.3 Type 27.
         2. UL Fire Resistance: 20 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 3/4 inch (19mm).
         5. Size, finish, and options as noted in the door hardware schedule.
    1. Manual Flush Bolts:

\*\* NOTE TO SPECIFIER \*\* Select bolt(s) from the next six paragraphs and delete those not required.

* + - 1. Model: 261 Flush Bolt.
         1. Conformance: Meets ANSI A156.16.
         2. Throw: 3/4 inch (19mm).
         3. Backset: 15/32 inch (12mm).
         4. Size, finish, and options as noted in the door hardware schedule.
      2. Model: 262 Flush Bolt.
         1. Conformance: Meets ANSI A156.16.
         2. Throw: 3/4 inch (19mm).
         3. Backset: 15/32 inch (12mm).
         4. Size, finish, and options as noted in the door hardware schedule.
      3. Model: 265 Flush Bolt.
         1. Conformance: Meets ANSI A156.16.
         2. Throw: 3/4 inch (19mm).
         3. Backset: 15/32 inch (12mm).
         4. Size, finish, and options as noted in the door hardware schedule.
      4. Model: FB358 Top or Bottom Bolts.
         1. Conformance: Meets ANSI A156.16.
         2. UL Fire Resistance: 90 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 15/32 inch (12mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      5. Model: FB457 Top or Bottom Bolts.
         1. Conformance: Meets ANSI A156.16.
         2. UL Fire Resistance: 3 hours.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 15/32 inch (12mm).
         5. Size, finish, and options as noted in the door hardware schedule.
      6. Model: FB458 Top or Bottom Bolts.
         1. Conformance: Meets ANSI A156.16.
         2. UL Fire Resistance: 90 minutes.
         3. Throw: 3/4 inch (19mm).
         4. Backset: 15/32 inch (12mm).
         5. Size, finish, and options as noted in the door hardware schedule.
    1. Coordinators and Filler Bars:
       1. COR Series Bar Coordinators: For use on pairs of doors when one door needs to close before the other.
          1. Conformance: Meets ANSI A156.3 Type 21A.
          2. Size, and Finish: As noted in the door hardware schedule.
       2. FL Series Filler Bars: Variable frame opening filler bar.
          1. Size, and Finish: As noted in the door hardware schedule.
       3. Mounting Brackets: Allows stop mounted hardware to be properly installed without damaging the COR coordinator.
          1. Models as noted in the door hardware schedule.
       4. Gravity Coordinators: Prevents active door from closing until inactive door bypasses.
          1. Conformance: Meets ANSI A156.3 Type 21A.
          2. Size, and Finish: As noted in the door hardware schedule.
       5. CB1 Carry Bar: Used when it is possible for the inactive door to be opened before the active door.

\*\* NOTE TO SPECIFIER \*\* Retain only those products required on the project and delete all others. Delete the entire article if Latches, catches and bolts are not required.

* 1. Latches, Catches and Bolts
     1. Surface Bolts:

\*\* NOTE TO SPECIFIER \*\* Select surface bolt(s) from the next nine paragraphs and delete those not required.

* + - 1. Model: SB360 Surface Bolt
         1. Conformance: Meets ANSI A156.16; Miami-Dade County NOA listed.
         2. UL Fire Resistance: 3 Hours.
         3. Throw: 1 1/4 inch (32mm).
         4. Finish: BHMA 603.
      2. Model: SB453 Surface Bolt
         1. Conformance: Meets ANSI A156.16.
         2. UL Fire Resistance: 3 Hours.
         3. Throw: 1 3/16 inch (30mm).
         4. Size and Finish: As noted in the door hardware schedule.
      3. Model: SB1630 Surface Bolt
         1. Conformance: Meets ANSI A156.16.
         2. UL Fire Resistance: 3 Hours.
         3. Throw: 1 inch (25mm).
         4. Finish: As noted in the door hardware schedule.
      4. Model: SB1640 Surface Bolt
         1. Conformance: Meets ANSI A156.16.
         2. Throw: 1 inch (25mm).
         3. Finish: As noted in the door hardware schedule.
      5. Model: SB1600M1 Surface Bolt
         1. Conformance: Meets ANSI A156.16.
         2. UL Fire Resistance: 3 Hours.
         3. Throw: 3 1/2 inch (89mm).
         4. Finish: As noted in the door hardware schedule.
      6. Model: SB1600M2 Surface Bolt
         1. Conformance: Meets ANSI A156.16.
         2. UL Fire Resistance: 3 Hours.
         3. Throw: 3 1/2 inch (89mm).
         4. Finish: As noted in the door hardware schedule.
      7. Model: 40 Decorative Surface Bolt
         1. Conformance: Meets ANSI A156.16.
         2. Throw: 15/16 inch (24mm).
         3. Size and Finish: As noted in the door hardware schedule.
      8. Model: 253 Decorative Surface Bolt
         1. Conformance: Meets ANSI A156.16.
         2. Throw: 1 5/16 inch (33mm).
         3. Size and Finish: As noted in the door hardware schedule.
      9. Model: 054 Dutch Door Bolt
         1. Conformance: Meets ANSI A156.16.
         2. Throw: 5/8 inch (16mm).
         3. Size and Finish: As noted in the door hardware schedule.
      10. Model: S48 Mortise Door Bolt
          1. Conformance: Meets ANSI A156.16.
          2. Throw: 1/2 inch (13mm).
          3. Size and Finish: As noted in the door hardware schedule.
    1. Door Guards:

\*\* NOTE TO SPECIFIER \*\* Select door guard(s) from the next two paragraphs and delete those not required.

* + - 1. Model: 481 Chain Door Guard.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: 482 Solid Bar Door Guard. Finish: As noted in the door hardware schedule.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
    1. Roller Latches:

\*\* NOTE TO SPECIFIER \*\* Select roller latch(es) from the next two paragraphs and delete those not required.

* + - 1. Model: RL30 Roller Latch.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: RL32 Roller Latch.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      3. Model: RL36 Roller Latch.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: Stainless Steel, BHMA 630.
      4. Model: RL38 Roller Latch.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: Stainless Steel, BHMA 630.
      5. Model: RL1152 Roller Latch.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      6. Model: STK685 Strike.
         1. Finish: As noted in the door hardware schedule.
      7. Model: STK685L Strike.
         1. Finish: As noted in the door hardware schedule.
    1. Angle Stops

\*\* NOTE TO SPECIFIER \*\* Select angle stop(s) from the next two paragraphs and delete those not required.

* + - 1. Model: AS895 Angle Stop.
         1. Finish: As noted in the door hardware schedule.
      2. Model: AS18 Angle Stop.
         1. Finish: As noted in the door hardware schedule.
    1. Latches and Catches:

\*\* NOTE TO SPECIFIER \*\* Select latch/catch(es) from the next 15 paragraphs and delete those not required.

* + - 1. Model: CL11 Invisible Latch.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: As noted in the door hardware schedule.
      2. Model: CL12 Invisible Latch.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: As noted in the door hardware schedule.
      3. Model: CL14 Auxiliary Pusher.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: As noted in the door hardware schedule.
      4. Model: CL21 Ball Catch.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: Brass, BHMA 626
      5. Model: CL21A Ball Catch.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: As noted in the door hardware schedule.
      6. Model: CL22 Ball Catch.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: As noted in the door hardware schedule.
      7. Model: 325 Magnetic Catch.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: As noted in the door hardware schedule.
      8. Model: 326 Mighty-Mite Heavy Duty Magnetic Catch.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: As noted in the door hardware schedule.
      9. Model: 327 Super-Mite Heavy Duty Magnetic Catch.
         1. Conformance: Meets ANSI A156.9.
         2. Finish: As noted in the door hardware schedule.
      10. Model: 330 Roller Catch.
          1. Conformance: Meets ANSI A156.9.
          2. Finish: BHMA 603.
      11. Model: 335 Roller Catch.
          1. Conformance: Meets ANSI A156.9.
          2. Finish: As noted in the door hardware schedule.
      12. Model: 336 Roller Catch.
          1. Conformance: Meets ANSI A156.9.
          2. Finish: As noted in the door hardware schedule.
      13. Model: 345 Adjustable Ball Catch.
          1. Conformance: Meets ANSI A156.9.
          2. Finish: As noted in the door hardware schedule.
      14. Model: 347 Dual Adjustable Ball Catch.
          1. Conformance: Meets ANSI A156.9.
          2. Finish: As noted in the door hardware schedule.
      15. Model: 349 Ball Catch.
          1. Conformance: Meets ANSI A156.9.
          2. Finish: As noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Retain only those products required on the project and delete all others. Delete the entire article if Stops are not required.

* 1. Stops
     1. Floor Stops:

\*\* NOTE TO SPECIFIER \*\* Select floor stop(s) from the next 15 paragraphs and delete those not required.

* + - 1. Model: FS13 Dome Stop.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: FS17 Dome Stop.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      3. Model: FS436 Dome Stop.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      4. Model: R435 Riser for FS436 Dome Stop.
         1. Finish: Extruded aluminum, mill finish.
      5. Model: FS438 Dome Stop.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      6. Model: R437 Riser for FS438 Dome Stop.
         1. Finish: Extruded aluminum, mill finish.
      7. Model: FS439 Dome Stop.
         1. Finish: As noted in the door hardware schedule.
      8. Model: FS410 Decorative Floor Stop.
         1. Finish: As noted in the door hardware schedule.
      9. Model: FS18S Floor Stop. Black, flame resistant material for vandalism prone areas.
      10. Model: FS18L Floor Stop. Black, flame resistant material for vandalism prone areas.
      11. Model: FS434 Floor Stop.
          1. Finish: BHMA 604.
      12. Model: 430 Floor Door Stop.
          1. Finish: As noted in the door hardware schedule.
      13. Model: FS441 Floor Stop.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
      14. Model: FS444 Floor Stop.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
      15. Model: FS448 Floor Stop.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
    1. Floor Stop and Holders:

\*\* NOTE TO SPECIFIER \*\* Select floor stop(s) from the next 10 paragraphs and delete those not required.

* + - 1. Model: FS9 Floor Stop and Semi-Automatic Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: FS40 Floor Stop and Automatic Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      3. Model: FS41 Floor Stop and Automatic Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      4. Model: FS42 Floor Stop and Automatic Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      5. Model: FS43 Floor Stop and Automatic Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      6. Model: FS446 Floor Stop and Manual Door Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      7. Model: FS450 Floor Stop and Manual Door Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      8. Model: FS495 Wall Stop and Automatic Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      9. Model: FS496 Floor Stop and Automatic Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      10. Model: FS497 Floor Stop and Automatic Holder.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
    1. Wall Bumpers and Stops:

\*\* NOTE TO SPECIFIER \*\* Select wall bumper(s)/stop(s) from the next2 paragraphs and delete those not required.

* + - 1. Model: WS11/WS11X Wall Stops.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: WS20/WS20X Manual Wall Holders.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      3. Model: WS33/WS33X Wall Stop. BHMA 626 finish.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      4. Model: WS65 Wall Stop.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      5. Model: WS401CVX, WS401CCV, WS402CVX, and WS402CCV Wall Bumper.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      6. Model: WS404CVX Wall Bumper.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      7. Model: WS406CVX, WS406CCV, WS407CVX, and WS407CCV Wall Bumper.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      8. Model: 411R-W Wall Bumper.
         1. Finish: Non-marring white rubber.
      9. Model: WS443 Wall Stop.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      10. Model: WS447 Wall Stop.
          1. Finish: As noted in the door hardware schedule.
      11. Model: WS445 Manual Wall Holder.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
      12. Model: WS449 Manual Wall Holder.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
    1. Wall Holders:

\*\* NOTE TO SPECIFIER \*\* Select wall holder(s) from the next two paragraphs and delete those not required.

* + - 1. Model: WS40 Automatic Wall Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: WS45 and WS45X Automatic Wall Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
    1. Kick Down Holders:

\*\* NOTE TO SPECIFIER \*\* Select kick down holder(s) from the next four paragraphs and delete those not required.

* + - 1. Model: FS452 Kick Down Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: FS455 Kick Down Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      3. Model: FS544 Kick Down Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      4. Model: FS555 Kick Down Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
    1. Plunger Door Holders:

\*\* NOTE TO SPECIFIER \*\* Select plunger door holder(s) from the next two paragraphs and delete those not required.

* + - 1. Model: FS1153 Plunger Type Door Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: BHMA 628.
      2. Model: FS1154 Plunger Type Door Holder.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Delete the next paragraph of roller bumpers are not required.

* + 1. Roller Bumpers:
       1. Model: RB470 Roller Bumper.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
       2. Model: RB471 Roller Bumper.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
       3. Model: RB472 Roller Bumper.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
    2. Residential Door Stops:

\*\* NOTE TO SPECIFIER \*\* Select residential door stop(s) from the next four paragraphs and delete those not required.

* + - 1. Model: 060 Flexible Door Stop.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: 061 Flexible Door Stop.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      3. Model: 60 Door Base Stop.
         1. Finish: As noted in the door hardware schedule.
      4. Model: 61 Door Base Stop.
         1. Finish: As noted in the door hardware schedule.
      5. Model: 63 Flexible Door Stop.
         1. Finish: As noted in the door hardware schedule.
      6. Model: 64 Door Base Stop.
         1. Finish: As noted in the door hardware schedule.
    1. Hinge Pin Stops:

\*\* NOTE TO SPECIFIER \*\* Select hinge pin door stop(s) from the next four paragraphs and delete those not required.

* + - 1. Model: 69 Hinge pin door stop.
         1. View Range: 70 to 100 degree adjustment.
         2. Finish: As noted in the door hardware schedule.
      2. Model: 70 Hinge pin door stop.
         1. View Range: 85 to 125 degree adjustment.
         2. Finish: As noted in the door hardware schedule.
      3. Model: 72 Hinge pin door stop.
         1. View Range: 85 to 125 degree adjustment.
         2. Finish: As noted in the door hardware schedule.
      4. Model: 73 Hinge pin door stop.
         1. View Range: 85 to 125 degree adjustment.
         2. Conformance: Meets ANSI A156.16.
         3. Finish: As noted in the door hardware schedule.
    1. Door Silencers:

\*\* NOTE TO SPECIFIER \*\* Select door silencer(s) from the next three paragraphs and delete those not required.

* + - 1. Model: SR64 Door Silencer for metal frames.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: SR65 Door Silencer for wood frames.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: Grey.
      3. Model: SR66 Self-adhering Door Silencer.
         1. Finish: As noted in the door hardware schedule.
  1. Exterior Hardware
     1. Lock Guards

\*\* NOTE TO SPECIFIER \*\* Select lock guard(s) from the next six paragraphs and delete those not required.

* + - 1. Model: LG1 and LG7 Lock Guard.
         1. Finish: As noted in the door hardware schedule.
      2. Model: LG10 Lock Guard.
         1. Finish: As noted in the door hardware schedule.
      3. Model: LG11 Lock Guard.
         1. Finish: As noted in the door hardware schedule.
      4. Model: LG12 Lock Guard.
         1. Finish: As noted in the door hardware schedule.
      5. Model: LG13 Lock Guard.
         1. Finish: As noted in the door hardware schedule.
      6. Model: LG14 Lock Guard.
         1. Finish: BHMA 630.
    1. Viewers

\*\* NOTE TO SPECIFIER \*\* Select viewer(s) from the next seven paragraphs and delete those not required.

* + - 1. Model: U696 One-Way Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. Fire Rating: 90 Minutes.
         3. View Angle: 150 degrees.
         4. Finish: As noted in the door hardware schedule.
      2. Model: 698 One-Way, Wide Angle Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. View Angle: 190 degrees.
         3. Finish: As noted in the door hardware schedule.
      3. Model: U698 One-Way, Wide Angle Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. Fire Rating: 90 Minutes.
         3. View Angle: 190 degrees.
         4. Finish: As noted in the door hardware schedule.
      4. Model: 700 One-Way Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. View Angle: 120 degrees.
         3. Finish: As noted in the door hardware schedule.
      5. Model: U700 One-Way Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. Fire Rating: 90 Minutes.
         3. View Angle: 120 degrees.
         4. Finish: As noted in the door hardware schedule.
      6. Model: 701 One-Way Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. View Angle: 120 degrees.
         3. Finish: As noted in the door hardware schedule.
      7. Model: U701 One-Way Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. Fire Rating: 90 Minutes.
         3. View Angle: 120 degrees.
         4. Finish: As noted in the door hardware schedule.
    1. Door Knockers

\*\* NOTE TO SPECIFIER \*\* Select door knocker(s) from the next four paragraphs and delete those not required.

* + - 1. Model: 02-3107 Knocker only.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      2. Model: 02-3125 Knocker only.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.
      3. Model: 02-31251U Knocker with U700 Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. View Angle: 120 degrees.
         3. Finish: As noted in the door hardware schedule.
      4. Model: 02-31252U Knocker with U701 Viewer.
         1. Conformance: Meets ANSI A156.16.
         2. View Angle: 120 degrees.
         3. Finish: As noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if letter boxes are not required.

* + 1. Letter Boxes:
       1. Model: 620 Magazine size letter box plate with standard (open) back plate.
          1. Conformance: Meets ANSI A156.16.
          2. Finish: As noted in the door hardware schedule.
       2. Model: 601 Sleeve for use with letter box plate.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if door numbers are not required.

* + 1. Door Numbers:
       1. SC2 - 30 X 6 Heritage House Numbers.
          1. Finish and numbers as noted in the door hardware schedule.
    2. Storm and Screen Door Hardware:

\*\* NOTE TO SPECIFIER \*\* Select screen door hardware from the next two paragraphs and delete those not required.

* + - 1. Model: 980 Storm Door Latch.
         1. Finish: As noted in the door hardware schedule.
      2. Model: 25 Screen door pull.
         1. Conformance: Meets ANSI A156.16.
         2. Finish: As noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if crash stops are not required.

* + 1. Crash Stops:
       1. Model: CS115 Crash Stop.
          1. Conformance: Meets ANSI A156.16.
          2. Finish and length as noted in the door hardware schedule.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
   4. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION