SECTION 08710

DOOR HARDWARE

Display hidden notes to specifier. (Don't know how? [Click Here](http://www.arcat.com/sd/display_hidden_notes.shtml))

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\*\* NOTE TO SPECIFIER \*\* Glynn-Johnson an Allegion brand; Door Hardware.  
This section is based on the products of Glynn-Johnson 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=Glynn-Johnson+an+Allegion+brand&coid=32795&rep=&fax=&message=RE:%20Spec%20Question%20(08710gly):%20%20&mf=)  
Web: [us.allegion.com/brands/glynn-johnson/Pages/default.aspx](http://us.allegion.com/brands/glynn-johnson/Pages/default.aspx)   
  
 [ [Click Here](http://www.arcat.com/arcatcos/cos32/arc32795.html) ] for additional information.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Mechanical Locks.
    2. Door Holders and Stops.
  1. RELATED SECTIONS

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

* + 1. Section 05100 - Structural Metal Framing: Door Frames.
    2. Section 06100 - Rough Carpentry: Door Frames.
    3. Section 08100 - Metal Doors and Frames.
    4. Section 08200 - Wood and Plastic Doors.
  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. Underwriters Laboratories (UL). - Fire Resistance Directory.
  1. SUBMITTALS
     1. Submit under provisions of Section 01300.
     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: Glynn-Johnson 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=Glynn-Johnson+an+Allegion+brand&coid=32795&rep=&fax=&message=RE:%20Spec%20Question%20(08710gly):%20%20&mf=); Web: [us.allegion.com/brands/glynn-johnson/Pages/default.aspx](http://us.allegion.com/brands/glynn-johnson/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 01600.
  1. PUSH / PULL LATCHES
     1. HL6 Push/Pull Latch: For institutional and commercial doors up to 1 3/4 inches (44.5mm) thick, including fire doors.
        1. Mounting: May be affixed in one of six positions: handles up, handles down, alternating, pointing towards or pointing away. Specific mounting configurations as noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Select Backset(s) required on the project from the next four options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Backset: 2 3/4 inches (70mm).
      2. Backset: 3 3/4 inches (95mm).
      3. Backset: 5 inches (127mm).
      4. Backset: 7 inches (178mm).

\*\* NOTE TO SPECIFIER \*\* Select Strike(s) required on the project from the next two options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Strike: Standard 2 3/4 inch (70mm)
      2. Strike: ASA 4 7/8 inch (124mm)

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next seven options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US26 - Polished Chrome.
      6. Finish: US26D - Satin Chrome.
      7. Finish: US32D - Satin Stainless Steel.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within. Option (B) only available when US26D finish is selected.

* + - 1. Optional Equipment:
         1. (B) - Brass Base Material.
         2. (E) - Handles Engraved with "Push" and "Pull".
         3. (EN) - Entrance Only Latch.
         4. (EO) - Exit Only Latch.
         5. (L) - Lead Lined.
         6. (RL) - Roller Latch Conversion Kit.
         7. (SOC) - Pin-in-Socket Security Screws.
    1. PL7 Privacy Function Push/Pull Latch: For institutional and commercial doors requiring privacy, up to 1 3/4 inches (44.5mm) thick including single fire doors.
       1. Mounting: Three mounting options: handles up, handles down, and handles point towards latch. Specific mounting configurations as noted in the door hardware schedule.
       2. Privacy Thumbturn: Push Side.

\*\* NOTE TO SPECIFIER \*\* Select Backset(s) required on the project from the next four options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Backset: 2 3/4 inches (70mm).
      2. Backset: 3 3/4 inches (95mm).
      3. Backset: 5 inches (127mm).
      4. Backset: 7 inches (178mm).

\*\* NOTE TO SPECIFIER \*\* Select Strike(s) required on the project from the next two options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Strike: Standard 2 3/4 inch (70mm)
      2. Strike: ASA 4 7/8 inch (124mm)

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next seven options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US26 - Polished Chrome.
      6. Finish: US26D - Satin Chrome.
      7. Finish: US32D - Satin Stainless Steel.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within. Option (B) only available when US26D finish is selected.

* + - 1. Optional Equipment:
         1. (B) - Brass Base Material.
         2. (E) - Handles Engraved with "Push" and "Pull".
         3. (L) - Lead Lined.
         4. (RL) - Roller Latch Conversion Kit.
         5. (SOC) - Pin-in-Socket Security Screws.
    1. PL8 Privacy Function Push/Pull Latch: For institutional and commercial doors requiring privacy, up to 1 3/4 inches (44.5mm) thick including single fire doors.
       1. Mounting: Three mounting options: handles up, handles down, and handles point towards latch. Specific mounting configurations as noted in the door hardware schedule.
       2. Privacy Thumbturn: Pull Side.

\*\* NOTE TO SPECIFIER \*\* Select Backset(s) required on the project from the next four options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Backset: 2 3/4 inches (70mm).
      2. Backset: 3 3/4 inches (95mm).
      3. Backset: 5 inches (127mm).
      4. Backset: 7 inches (178mm).

\*\* NOTE TO SPECIFIER \*\* Select Strike(s) required on the project from the next two options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Strike: Standard 2 3/4 inch (70mm)
      2. Strike: ASA 4 7/8 inch (124mm)

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next seven options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US26 - Polished Chrome.
      6. Finish: US26D - Satin Chrome.
      7. Finish: US32D - Satin Stainless Steel.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within. Option (B) only available when US26D finish is selected.

* + - 1. Optional Equipment:
         1. (B) - Brass Base Material.
         2. (E) - Handles Engraved with "Push" and "Pull".
         3. (L) - Lead Lined.
         4. (RL) - Roller Latch Conversion Kit.
         5. (SOC) - Pin-in-Socket Security Screws.
    1. Combination HL6 Push/Pull Latch and Mortise Lock: For institutional and commercial doors up to 1 3/4 inches (44.5mm) thick requiring a locking mechanism.
       1. Mounting: May be affixed in one of five positions: handles up, handles down, alternating, or pointing away. Specific mounting configurations as noted in the door hardware schedule.

\*\* NOTE TO SPECIFIER \*\* Select Operation(s) required on the project from the next two options and delete all others. Where cylinder operation is specified, handle on cylinder side must be mounted in "Down" position for vertical applications. Where thumbturns are required, handles must be mounted in the horizontal position. Specific door configurations are noted on the door hardware schedule,

* + - 1. Operation: Cylinder Lock - Locks supplied less 1 1/8 inch (32mm) Cloverleaf cam cylinder.
      2. Operation: Thumbturn.

\*\* NOTE TO SPECIFIER \*\* Select Backset(s) required on the project from the next four options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Backset: 2 3/4 inches (70mm).
      2. Backset: 3 3/4 inches (95mm).
      3. Backset: 5 inches (127mm).
      4. Backset: 7 inches (178mm).

\*\* NOTE TO SPECIFIER \*\* Select Strike(s) required on the project from the next two options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Strike: Standard 2 3/4 inch (70mm)
      2. Strike: ASA 4 7/8 inch (124mm)

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next seven options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US26 - Polished Chrome.
      6. Finish: US26D - Satin Chrome.
      7. Finish: US32D - Satin Stainless Steel.
      8. Finish: Powder Coat - RAL Color as noted in the Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within. Option (B) only available when US26D finish is selected.

* + - 1. Optional Equipment:
         1. (B) - Brass Base Material.
         2. (E) - Handles Engraved with "Push" and "Pull".
         3. (EN) - Entrance Only Latch.
         4. (EO) - Exit Only Latch.
         5. (L) - Lead Lined.
         6. (RL) - Roller Latch Conversion Kit.
         7. (SOC) - Pin-in-Socket Security Screws.
  1. SURFACE MOUNTED DOOR HOLDERS AND STOPS
     1. 70 Series Heavy Duty Surface Overhead Door Holder and Stop:

\*\* NOTE TO SPECIFIER \*\* Select Model(s) required on the project from the next two options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Model: 70H - Hold Open.
      2. Model: 70S - Stop Only.
      3. Hold Open / Stop Angle Range: 85 to 110 degrees.
      4. Size: Available in five sizes, designed to fit openings 23 1/16 inches (586mm) to 51 inches (1295mm) wide. Size as noted in the Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next 10 options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US26 - Polished Chrome.
      6. Finish: SP4 - Powder Coat Brass.
      7. Finish: SP10 - Powder Coat Bronze.
      8. Finish: SP28 - Powder Coat Aluminum.
      9. Finish: SP313 - Powder Coat Dark Bronze.
      10. Finish: SPBLK - Powder Coat Black.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within.

* + - 1. Optional Equipment:
         1. (J) - Angle Jamb Bracket.
         2. (SB) - Sex Bolt Mounting.
         3. (SOC) - Pin-in-Socket Security Screws.
    1. 79 Series Extra Heavy Duty Surface Overhead Door Holder and Stop:

\*\* NOTE TO SPECIFIER \*\* Select Model(s) required on the project from the next two options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Model: 79H - Hold Open.
      2. Model: 79S - Stop Only.
      3. Hold Open / Stop Angle Range: 85 to 110 degrees.
      4. Size: Available in five sizes, designed to fit openings 23 1/16 inches (586mm) to 51 inches (1295mm) wide. Size as noted in the Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next 10 options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US26 - Polished Chrome.
      6. Finish: SP4 - Powder Coat Brass.
      7. Finish: SP10 - Powder Coat Bronze.
      8. Finish: SP28 - Powder Coat Aluminum.
      9. Finish: SP313 - Powder Coat Dark Bronze.
      10. Finish: SPBLK - Powder Coat Black.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within.

* + - 1. Optional Equipment:
         1. (J) - Angle Jamb Bracket.
         2. (SB) - Sex Bolt Mounting.
         3. (SOC) - Pin-in-Socket Security Screws.
    1. 450 Series Medium-Duty Surface Overhead Door Holder and Stop:

\*\* NOTE TO SPECIFIER \*\* Select Model(s) required on the project from the next four options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Model: 450H - Hold Open.
      2. Model: 450S - Stop Only.
      3. Model: 450F - Friction Hold-Open.
      4. Model: 450SE - Special Stop-Only.
      5. Hold Open / Stop Angle Range: 85 to 110 degrees.
      6. Size: Available in five sizes, designed to fit openings 18 inches (457mm) to 51 inches (1295mm) wide. Size as noted in the Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next 12 options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US32 - Polished Stainless Steel.
      6. Finish: US32D - Satin Stainless Steel.
      7. Finish: SP4 - Powder Coat Brass.
      8. Finish: SP10 - Powder Coat Bronze.
      9. Finish: SP28 - Powder Coat Aluminum.
      10. Finish: SP313 - Powder Coat Dark Bronze.
      11. Finish: SPBLK - Powder Coat Black.
      12. Finish: 652 - Chrome-Like Coating.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within.

* + - 1. Optional Equipment:
         1. (J) - Angle Jamb Bracket.
         2. (SHIM) - Blade Stop Shims.
         3. (SOC) - Pin-in-Socket Security Screws.
    1. 81 Series Heavy-Duty Surface Overhead Door Holder and Stop:

\*\* NOTE TO SPECIFIER \*\* Select Model(s) required on the project from the next two options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Model: 81H - Hold Open.
      2. Model: 81S - Stop Only.
      3. Hold Open / Stop Angle Range: 85 to 110 degrees.
      4. Size: Available in five sizes, designed to fit openings 27 1/16 inches (687mm) to 51 inches (1295mm) wide. Size as noted in the Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next 10 options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US32 - Polished Stainless Steel.
      6. Finish: US32D - Satin Stainless Steel.
      7. Finish: 652 - Chrome-Like Coating.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within.

* + - 1. Optional Equipment:
         1. (J) - Angle Jamb Bracket.
         2. (SHIM) - Blade Stop Shims.
         3. (SOC) - Pin-in-Socket Security Screws.
    1. 90 Series Heavy-Duty Surface Overhead Door Holder and Stop:

\*\* NOTE TO SPECIFIER \*\* Select Model(s) required on the project from the next four options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Model: 90H - Hold Open.
      2. Model: 90S - Stop Only.
      3. Model: 90F - Friction Hold-Open.
      4. Model: 90SE - Special Stop-Only.
      5. Hold Open / Stop Angle Range: 85 to 110 degrees.
      6. Size: Available in five sizes, designed to fit openings 23 1/16 inches (586mm) to 51 inches (1295mm) wide. Size as noted in the Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next 12 options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US32 - Polished Stainless Steel.
      6. Finish: US32D - Satin Stainless Steel.
      7. Finish: SP4 - Powder Coat Brass.
      8. Finish: SP10 - Powder Coat Bronze.
      9. Finish: SP28 - Powder Coat Aluminum.
      10. Finish: SP313 - Powder Coat Dark Bronze.
      11. Finish: SPBLK - Powder Coat Black.
      12. Finish: 652 - Chrome-Like Coating.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within.

* + - 1. Optional Equipment:
         1. (J) - Angle Jamb Bracket.
         2. (SHIM) - Blade Stop Shims.
         3. (SOC) - Pin-in-Socket Security Screws.
    1. SensaGuard Series 280 Holder/Release Smoke Detector:
       1. Operation: Fail Safe with battery backup. Fail safe releases door when battery power drops below 7.2 Volts.
       2. Hold Open / Stop Angle Range:
          1. Pull Side: 90 to 130 degrees.
          2. Push Side: 90 to 180 degrees.

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next 12 options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US28 - Clear Anodized Aluminum.
      2. Finish: 313AN - Dark Bronze Anodized Aluminum.
  1. CONCEALED DOOR HOLDERS AND STOPS
     1. 100 Series Heavy-Duty Concealed Overhead Door Holder and Stop:

\*\* NOTE TO SPECIFIER \*\* Select Model(s) required on the project from the next four options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Model: 100H - Hold Open.
      2. Model: 100HP - Internal Hold Open.
      3. Model: 100F - Friction Hold-Open.
      4. Model: 100S - Stop Only.
      5. Model: 100SE - Special Stop-Only.
      6. Hold Open / Stop Angle Range: 85 to 110 degrees.
      7. Size: Available in six sizes, designed to fit openings 18 inches (457mm) to 51 inches (1295mm) wide. Size as noted in the Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next 11 options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US32 - Polished Stainless Steel.
      6. Finish: US32D - Satin Stainless Steel.
      7. Finish: SP4 - Powder Coat Brass.
      8. Finish: SP10 - Powder Coat Bronze.
      9. Finish: SP28 - Powder Coat Aluminum.
      10. Finish: SP313 - Powder Coat Dark Bronze.
      11. Finish: SPBLK - Powder Coat Black.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within.

* + - 1. Optional Equipment:
         1. (ADJ) - Adjustable Jamb Bracket.
         2. (CJ) - Jamb Bracket for use with LCN5030 Closer.
         3. (SOC) - Pin-in-Socket Security Screws.
    1. 410 Series Medium-Duty Concealed Overhead Door Holder and Stop:

\*\* NOTE TO SPECIFIER \*\* Select Model(s) required on the project from the next four options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Model: 410H - Hold Open.
      2. Model: 410S - Stop Only.
      3. Model: 410F - Friction Hold-Open.
      4. Model: 410SE - Special Stop-Only.
      5. Hold Open / Stop Angle Range: 85 to 110 degrees.
      6. Size: Available in five sizes, designed to fit openings 18 inches (457mm) to 51 inches (1295mm) wide. Size as noted in the Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(es) required on the project from the next 12 options and delete all others. Specific door configurations are noted on the door hardware schedule,

* + - 1. Finish: US3 - Polished Brass.
      2. Finish: US4 - Satin Brass.
      3. Finish: US10 - Satin Bronze.
      4. Finish: US10B - Oil Rubbed Bronze.
      5. Finish: US32 - Polished Stainless Steel.
      6. Finish: US32D - Satin Stainless Steel.
      7. Finish: SP4 - Powder Coat Brass.
      8. Finish: SP10 - Powder Coat Bronze.
      9. Finish: SP28 - Powder Coat Aluminum.
      10. Finish: SP313 - Powder Coat Dark Bronze.
      11. Finish: SPBLK - Powder Coat Black.
      12. Finish: 652 - Chrome-Like Coating.

\*\* NOTE TO SPECIFIER \*\* Select Option(s) required on the project and delete all others. Specific door configurations are noted on the door hardware schedule with the suffix noted within.

* + - 1. Optional Equipment:
         1. (SOC) - Pin-in-Socket Security Screws.

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