

SECTION 08 41 26
GLASS ENTRANCE DOORS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Glass entrance doors.

1.2 RELATED SECTIONS

- A. Section 05 52 17 - Roof Fall Protection.
- B. Section 08 41 13 - Aluminum-Framed Entrances and Storefronts.
- C. Section 08 43 33 - Folding Glass Wall System.
- D. Section - .
- E. Section 09 91 00 - Painting.
- F. Section 08 44 13 - Glazed Aluminum Curtain Walls.

1.3 REFERENCES

- A. ANSI A117.1 - Buildings and Facilities - Providing Accessibility and Usability for Physically Handicapped People.
- B. ANSI / BHMA Numbers for Materials & Finishes.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. 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.
- C. Shop Drawings: Configuration drawings including details of installation, maintenance and operating.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 5 year experience manufacturing similar products.



- B. Installer Qualifications: Minimum 2 year experience installing similar products.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship is approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.6 PRE-INSTALLATION MEETINGS

- A. Convene minimum two weeks prior to starting work of this section.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Handling: Handle materials to avoid damage.

1.8 PROJECT CONDITIONS

- A. 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.

1.9 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: PRL Glass Systems, Inc., which is located at: 13644 Nelson Ave.; City of Industry, CA 91746; Toll Free Tel: 800-433-7044; Fax: 626-968-9256; Email:[request info \(info@prlglass.com\)](mailto:requestinfo@prlglass.com); Web:prlglass.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 GLASS DOORS

- A. Door Style P: Rails top and bottom.
- B. Door Style BP: Rail at bottom and patch at top.
- C. Door Style F: Bottom patch at hinge and lock side with patch at top.
- D. Door Style A: Patch top and bottom.

2.3 FINISH

- A. Mechanical and Chemical Finish:
 - 1. SB Finish: Satin brass.
 - 2. PS Finish: Polished stainless.



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3. PB Finish: Polished brass finish.
4. MILL Finish: Mill finish.
5. BS Finish: Brushed stainless.
6. ANO Finish: Clear anodized.
7. BLK Finish: Black anodize.
8. US32D Finish: #4 Brushed S.S.
9. US32 Finish: #8 Polished S.S.
10. ANSI / BHMA Finish: Where used designations follow the finish code standard for base materials.

- B. Paint Finish:
1. As indicated or required by application.

2.4 RAILS

- A. Rail: PL-150. 1-3/4 inches (44 mm) W X 3-5/16 inches (84 mm) H.
1. Part Number: - PL150BS.
 - a. Description: - PI-150 Wet-Set Door Rails.
 - b. Finish: - Stainless Steel.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 1-3/4 inches (44 mm) wide x 3-5/16 inches (84 mm) tall beveled/tapered type rail. Complete with screw on applied or welded endcaps. Designed for cement glass setting (wet glazed). Meets ANSI A117.1 A.D.A. requirements. Available with or without bottom rail locks.
 2. Part Number: - PL150DSPS.
 - a. Description: - #8 Polished S/S - PI-150 Dry-Set Door Rails @ 35-3/4 inches (908 mm) Long.
 - b. Finish: - #8 Polished S.S.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 2 inches (51 mm) wide x 4-1/4 tall beveled/tapered type rail. Complete with screw on applied aluminum endcaps. Designed for pressure glass setting (dry glazed). Meets ANSI A117.1 A.D.A requirements. Available with or without bottom rail locks. Removable face plates for exchanging metal finishes.
- B. Rail: PL-175. 1-3/4 inches (44 mm) W X 3-5/16 inches (84 mm) H.
1. Part Number: - PL175CL.
 - a. Description: - PL-175 Wet-Set Door Rails.
 - b. Finish: - Clear Anodize.
 - c. Material: - Aluminum.
 - d. Glass Thickness: - 5/8 inch (16 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1-3/4 inches (44 mm) wide x 3-5/16 inches (84 mm) tall beveled/tapered type rail. Complete with screw on aluminum endcaps. Designed for cement glass setting (wet glazed). Meets ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks.
 2. Part Number: - PL175DSCL.
 - a. Description: - PL-175 Dry-Set Door Rails.
 - b. Finish: -Clear Anodize.
 - c. Material: - Aluminum.
 - d. Glass Thickness: - 5/8 inch (16 mm) & 3/4 inch (19 mm).
 - e. Detail: - 2 inches (51 mm) wide x 4-1/4" tall beveled/tapered type rail. Complete with screw on applied aluminum endcaps. Designed for pressure glass setting (dry glazed). Meets ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks. Removable face plates for exchanging metal finishes.

- C. Rail: PL-350. 1-3/4 inches (44 mm) W x 3-5/16 inches (84 mm) H.
1. Part Number: - PL350CL.
 - a. Description: - PI-350 Wet-Set Door Rails.
 - b. Finish: - Clear Anodize.
 - c. Material: - Aluminum.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 1-3/4 inches (44 mm) wide x 3-5/16 inches (84 mm) tall square type rail. Complete with screw on applied aluminum endcaps. Designed for cement glass setting (wet glazed). Does not meet ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks.
 2. Part Number: - PL350DSBS.
 - a. Description: - #4 Brushed S/S - PL-350 Dry-Set Door Rails @ 35-3/4 inches (908 mm) long.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 2 inches (51 mm) wide x 4-1/4 inches (108 mm) tall square type rail. Complete with screw on applied aluminum endcaps. Designed for pressure glass setting (dry glazed). Does not meet ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks. Removable face plates for exchanging metal finishes.
- D. Rail: PL-375. 1-3/4 inches (44 mm) W X 3-5/16 inches (84 mm) H.
1. Part Number: - PL375BS.
 - a. Description: - PI-375 Wet Set Door Rails.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 5/8 inch (16 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1-3/4 inches (44 mm) wide x 3-5/16 inches (84 mm) tall square type rail. Complete with screw on applied aluminum endcaps. Designed for cement glass setting (wet glazed). Does not meet ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks.
 2. Part Number: - PL375DSCL.
 - a. Description: - PI-375 Dry-Set Door Rails.
 - b. Finish: -Clear Anodize.
 - c. Material: - Aluminum.
 - d. Glass Thickness: - 5/8 inch (16 mm) & 3/4 inch (19 mm).
 - e. Detail: - 2 inches (51 mm) wide x 4-1/4 inches (108 mm) tall square type rail. Complete with screw on applied aluminum endcaps. Designed for pressure glass setting (dry glazed). Does Not Meet ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks. Removable face plates for exchanging metal finishes.
- E. Rail: PL-387. 1-3/4 inches (44 mm) W x 3-7/8 inches (98 mm) H.
1. Part Number: - PL387BS.
 - a. Description: - PI-387 Wet-Set Door Rails.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - e. Detail: - 1-3/4 inches (44 mm) wide x 3-3/8 inches (86 mm) tall square type rail. Complete with screw on or welded endcaps. Designed for cement glass setting (wet glazed). Does not meet ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks.
- F. Rail: PL-600. 1-3/4 inches (44 mm) W x 6 inches (152 mm) H.
1. Part Number: - PL600BS.



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- a. Description: - PI-600 Wet-Set Door Rails.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - e. Detail: - 1-3/4 inches (44 mm) wide x 6 inches (152 mm) tall square type rail. Complete with screw on or welded endcaps. Designed for cement glass setting (wet glazed). Does Not Meet ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks.
2. Part Number: - PL600DSBS.
 - a. Description: - #4 Brushed S/S - PL-600 Dry-Set Door Rail @ 35-3/4 inches (908 mm) long.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 2 inches (51 mm) wide x 6 inches (152 mm) tall square type rail. Complete with screw on applied aluminum endcaps. Designed for pressure glass setting (dry glazed). Does not meet ANSI A117.1 A.D.A Requirements. Available with or without bottom rail locks. Removable face plates for exchanging metal finishes.
- G. Rail: PL1000. 1-3/4 inches (44 mm) W x 10 inches (254 mm) H.
1. Part Number: - PL1000ANO.
 - a. Description: - Clear Anodize- PI1000 Wet-Set Door Rail W/Lock @ 35-3/4 inches (908 mm) Long
 - b. Finish: - Clear Anodize
 - c. Material: - Aluminum
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm)
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10 inches (254 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2 inch (13 mm) glass to be "wet glazed" (set with cement to bond rails to glass). PI1000 Rail Meets ANSI A117.1 ADA Requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available.
 2. Part Number: - PL1000BLK
 - a. Description: - Blk Ano - PI1000 Wet-Set Door Rail W/ Lock @ 35-3/4 inches (908 mm) Long
 - b. Finish: - Black Anodize
 - c. Material: - Aluminum
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm)
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10 inches (254 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2 inch (13 mm) glass to be "wet glazed" (set with cement to bond rails to glass). PL1000 rail meets ANSI A117.1 ADA requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available.
 3. Part Number: - PL1000BR
 - a. Description: - Bronze Anodize - PI1000 Wet-Set Door Rail W/ Lock @ 35-3/4 inches (908 mm) Long.
 - b. Finish: - Bronze Anodize.
 - c. Material: - Aluminum.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10 inches (254 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2



- inch (13 mm) glass to be "wet glazed" (set with cement to bond rails to glass). PL1000 rail meets ANSI A117.1 ADA requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available.
4. Part Number: - PL1000BS
 - a. Description: - #4 Brushed S/S - PL1000 Wet-Set Door Rail W/Lock @ 35-3/4 inches (908 mm) Long
 - b. Finish: - #4 Brushed S.S
 - c. Material: - Aluminum Clad In Stainless
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm)
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10-1/16 inches (256 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2 inch (13 mm) glass to be "wet glazed" (set with cement to bond rails to glass). PL1000 rail meets ANSI A117.1 ADA requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available.
 5. Part Number: - PL1000DSBS.
 - a. Description: - #4 Brushed S/S - PL-1000 Dry-Set Door Rail @ 35-3/4 inches (908 mm) Long.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 2 inches (51 mm) wide x 10 inches (254 mm) tall square type rail. Complete with screw on aluminum endcaps. Designed for pressure glass setting (dry glazed). Meets ANSI A117.1 A.D.A requirements. Available with or without bottom rail locks. Removable face plates for exchanging metal finishes.
 6. Part Number: - PL1000MILL.
 - a. Description: - Mill - PL1000 Wet-Set Door Rail W/ Lock @ 35-3/4 inches (908 mm) Long.
 - b. Finish: - Mill Finish.
 - c. Material: - Aluminum.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10 inches (254 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2 inch (13 mm) glass to be "wet glazed" (set with cement to bond rails to glass). PL1000 rail meets ANSI A117.1 ADA requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available.
 7. Part Number: - PL1000PB.
 - a. Description: - Polished Brass-PL1000 Wet-Set Door Rail W/ Lock @ 35-3/4 inches (908 mm) Long.
 - b. Finish: - Brass (Polished).
 - c. Material: - Aluminum Clad In Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10-1/16 inches (256 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2 inch (13 mm) glass to be "wet glazed"(set with cement to bond rails to glass). PL1000 rail meets ANSI A117.1 ADA requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available.
 8. Part Number: - PL1000PS.



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- a. Description: - #8 Pol S/S - PL1000 Wet-Set Door Rail W/ Lock @ 35-3/4 inches (908 mm) Long.
 - b. Finish: - Stainless Steel.
 - c. Material: - Aluminum Clad In Stainless.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10-1/16 inches (256 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2 inch (13 mm) glass to be "wet glazed" (set with cement to bond rails to glass). PL1000 rail meets ANSI A117.1 ADA requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available.
9. Part Number: - PL1000SB.
- a. Description: - Satin Brass - PL1000 Wet-Set Door Rail W/Lock @ 35-3/4 inches (908 mm) Long.
 - b. Finish: - Brass (Satin).
 - c. Material: - Aluminum Clad In Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10-1/16 inches (256 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2 inch (13 mm) glass to be "wet glazed"(set with cement to bond rails to glass). PL1000 rail meets ANSI A117.1 ADA requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available at an additional charge.**Please note, brass is a high maintenance metal.
10. Part Number: - PL1000US10B.
- a. Description: - Us10b - PL1000 Wet-Set Door Rail W/ Lock @ 35-3/4 inches (908 mm) Long.
 - b. Finish: - (US10B) Brass.
 - c. Material: - Aluminum Clad In Satin Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - e. Detail: - PL1000 is a 1-3/4 inches (44 mm) wide by 10-1/16 inches (256 mm) tall square entrance door rail. This rail is designed for 3/8 inch (9.5 mm) and 1/2 inch (13 mm) glass to be "wet glazed"(set with cement to bond rails to glass). PL1000 rail meets ANSI A117.1 ADA requirements. Pricing includes the standard prep and a standard lock with a thumb turn on one side. This rail also comes complete with applied end caps. Welded end caps, 5/8 inch (16 mm) & 3/4 inch (19 mm) glass pocket are available at an additional charge.**Please note, brass is a high maintenance metal.
- H. Sidelite Rail: PL-150. 1-3/4 inches (44 mm) W X 3-5/16 inches (84 mm) H.
1. Part Number: - PL150SBS.
 - a. Description: - PL-150 Wet Set Sidelite Rail.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - T5-6063 Aluminum.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 2. Part Number: - PL150SDSBS.
 - a. Description: - PL-150 Dry-Set Sidelite Rail.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Please Contact PRL for Info.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
- I. Sidelite Rail: PL-350. 1-3/4 inches (44 mm) W x 3-5/16 inches (84 mm) H.
1. Part Number: - PL350SBS.
 - a. Description: - PL-350 Wet Set Sidelite Rail.



- b. Finish: - #4 Brushed S.S.
- c. Material: - T5-6063 Aluminum.
- d. Glass Thickness: - 3/8 inch (9.5 mm) To 3/4 inch (19 mm).
- 2. Part Number: - PL350SDSANO.
 - a. Description: - PI-350 Dry-Set Sidelite Rail Clear Anodize.
 - b. Finish: - Clear Anodize.
 - c. Material: - Please Contact PRL for Info.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).

- J. Sidelite Rail: PL-600. 1-3/4 inches (44 mm) W x 6 inches (152 mm) H
 - 1. Part Number: - PL600SBS
 - a. Description: - PI-600 Wet Set Sidelite Rail
 - b. Finish: - #4 Brushed S.S
 - c. Material: - T5-6063 Aluminum
 - d. Glass Thickness: - 3/8 inch (9.5 mm) To 3/4 inch (19 mm)
 - 2. Part Number: - PL600SDSANO
 - a. Description: - PI-600 Dry Set Sidelite Rail Clear Ano.
 - b. Finish: - Clear Anodize
 - c. Material: - Please Contact PRL for Info
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm)

- K. Sidelite Rail: PL1000. 1-3/4 inches (44 mm) W x 10 inches (254 mm) H
 - 1. Part Number: - PL1000SBS
 - a. Description: - PI-1000 Wet Set Sidelite Rail
 - b. Finish: - #4 Brushed S.S
 - c. Material: - T5-6063 Aluminum
 - d. Glass Thickness: - 3/8 inch (9.5 mm) To 3/4 inch (19 mm)
 - 2. Part Number: - PL1000SDSBS
 - a. Description: - PI-1000 Dry-Set Sidelite
 - b. Finish: - #4 Brushed S.S
 - c. Material: - Please Contact PRL for Info
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm)

2.5 PATCH FITTINGS

- A. Euro Style:
 - 1. Part Number: - PL410/20BS:
 - a. Description: - 3/4 inch (19 mm) Glass Euro Patch Fittings.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/4 inch (19 mm).
 - e. Detail: - 6-1/2 inches (165 mm) X 2 inches (51 mm) Patch.
 - 2. Part Number: - PL414BS:
 - a. Description: - #4 Brushed S/S 2 inches (51 mm) X 6-1/2 inches (165 mm) Euro Bottom Patch Fittings.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 1/2 inch (13 mm).
 - e. Detail: - 6-1/2 inches (165 mm) X 2 inches (51 mm) Patch.
 - f. Door weight should not exceed 200 lbs (91 kg).
 - 3. Part Number: - PL414CVBS
 - a. Description: - PI414 Front/Back Covers.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - N/A
 - e. Detail: - replacement covers for PI414/24 patch fittings.



4. Part Number: - PL424BS:
 - a. Description: - #4 Brushed S/S 2 inches (51 mm) X 6-1/2 inches (165 mm) Euro Top Patch Fitting.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass
 - d. Glass Thickness: - 3/8 inch (9.5 mm) & 1/2 inches (305 mm).
 - e. Detail: - 6-1/2 inches (165 mm) X 2 inches (51 mm) Patch.
 - f. Door weight should not exceed 200 lbs (91 kg).
5. Part Number: - PL434BS:
 - a. Description: - Wall/Transom Pivot Bracket.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 6-1/2 inches (165 mm) X 2 inches (51 mm) Patch.
 - f. Transom weight should not exceed 100 lbs (45 kg). If transom exceeds 100 lbs (45 kg) a pinning channel is required to support the weight.
6. Part Number: - PL44090LBS:
 - a. Description: - 90-Degree Left Handed Sidelite/Transom Pivot Bracket.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 7-3/8 inches (187 mm) X 4-1/8 inches (105 mm) 90-Degree Left Handed Sidelite/Transom Pivot Bracket.
7. Part Number: - PL44090RPS:
 - a. Description: - 90-Degree Right Handed Sidelite/Transom Pivot Bracket.
 - b. Finish: - #8 Polished S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 7-3/8 inches (187 mm) X 4-1/8 inches (105 mm) 90-Degree Right Handed Sidelite/Transom Pivot Bracket.
8. Part Number: - PL440BS:
 - a. Description: - Sidelite/Transom Pivot Bracket.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 8-9/16 inches (217 mm) X 4-1/8 inches (105 mm) L Patch.
 - f. Transom weight should not exceed 100 lbs (45 kg). If transom exceeds 100 lbs (45 kg) a pinning channel is required to support the weight.
9. Part Number: - PL440CVBS:
 - a. Description: - PL-440 Front/Back Covers Only.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - N/A.
 - e. Detail: - Replacement Cover's For PL440.
10. Part Number: - PL446BS:
 - a. Description: - Small Sidelite/Transom Door Stop Bracket.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 4-3/16 inches (106 mm) x 4-3/16 inches (106 mm) L Patch with door stop.
11. Part Number: - PL450LBS:
 - a. Description: - Sidelite/Transom Left Handed Pivot Fin Bracket.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.



- d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - Left Hand Pivot Fin Bracket.
 - f. Transom weight should not exceed 100 lbs (45 kg). If transom exceeds 100 lbs (45 kg) a pinning channel is required to support the weight.
12. Part Number: - PL450RBS:
- a. Description: - Sidelite/Transom Right Handed Pivot Fin Bracket.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - Right Hand Pivot Fin Bracket.
 - f. Transom weight should not exceed 100 lbs (45 kg). If transom exceeds 100 lbs (45 kg) a pinning channel is required to support the weight.
13. Part Number: - PL472BS:
- a. Description: - Transom Door Stop.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 4-9/16 inches (116 mm) X 1-1/4 inches (32 mm) transom mounted door stop.
14. Part Number: - PL80BS:
- a. Description: - Sidelite/Sidelite Four Way Patch Connector.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 4-3/16 inches (106 mm) X 4-3/16 inches (106 mm).
15. Part Number: - PL81BS
- a. Description: - Sidelite/Sidelite Bracket W/Fin.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Stainless Steel or Brass.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 4-3/16 inches (106 mm) X 4-3/16 inches (106 mm).
- B. Rail Style:
- 1. Part Number: - 95PL150ANO:
 - a. Description: - Clear Anodize 4-1/4 inches (108 mm) X 9-1/2 inches (241 mm) PL-150 Patch Rail.
 - b. Finish: - Clear Anodize.
 - c. Material: - Please Contact PRL for Info.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - 2. Part Number: - 95PL175ANO:
 - a. Description: - 9-1/2 inches (241 mm) PI-175 Patch Fitting For 3/4 inch (19 mm) glass.
 - b. Finish: -Clear Anodize.
 - c. Material: - Please Contact PRL for Info.
 - d. Glass Thickness: - 3/4 inch (19 mm).

2.6 HEADERS

- A. 36 inches (914 mm) Floating Header Bronze Anodized:
- 1. Part Number: - 36FHBR.
 - 2. Finish: - Bronze Anodize.
 - 3. Material: - Aluminum.
 - 4. Glass Thickness: - 3/8 inch (9.5 mm) - 3/4 inch (19 mm).
 - 5. Detail: - Floating headers are designed for all glass entry door systems for minimum exposed metal and more glass look. Standard sizes available for single 36 inches (914 mm) door and 72 inches (1829 mm) pair of doors. Custom floating headers



available upon request to accommodate custom entries (lead-time may vary). Glass fins can be added for openings taller than 10 feet (3048 mm) tall.

- B. 72 inches (1829 mm) Floating Header Bronze Anodized:
 - 1. Part Number: - 72FHBR.
 - 2. Finish: - Bronze Anodize.
 - 3. Material: - Please Contact PRL for Info.
 - 4. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).

- C. 2 inches X 4-1/2 inches (51 mm x 114 mm) Door Header Clear Anodize:
 - 1. Part Number: - PL250DHANO.
 - 2. Finish: - Clear Anodize.
 - 3. Material: - Please Contact PRL for Info.
 - 4. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).

- D. 1-3/4 inches X 4 inches (44 mm x 102 mm) Door Header Clear Anodize:
 - 1. Part Number: - PL400DHCA.
 - 2. Finish: - Clear Anodize.
 - 3. Material: - Please Contact PRL for Info.
 - 4. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).

- E. 1-3/4 inches X 4-1/2 inches (44 mm x 114 mm) Door Header Clear Anodize:
 - 1. Part Number: - PL450DHCA.
 - 2. Finish: - Clear Anodize.
 - 3. Material: - Please Contact PRL for Info.
 - 4. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).

2.7 THRESHOLDS

- A. 1/2 inch X 4 inches (13 mm x 102 mm) Aluminum Threshold:
 - 1. Part Number: - TH400DB.
 - 2. Finish: - Bronze Anodize.
 - 3. Material: - Aluminum.
 - 4. Glass Thickness: - N/A
 - 5. Detail: - 1/2 inch (13 mm) tall x 4 inches (102 mm) wide commercial threshold. Standard size is 36 inches (914 mm) long for single door and 72 inches (1829 mm) for pair of doors. Custom sizes available.

- B. 1/2 X 7 Aluminum Threshold
 - 1. Part Number: - TH037DB: Bronze anodize.
 - 2. Part Number: - TH037MILL: Mill finish.
 - 3. Material: - Aluminum.
 - 4. Glass Thickness: - N/A.
 - 5. Detail: - 1/2 inch (13 mm) tall x 7 inches (178 mm) wide commercial threshold. Standard size is 36 inches (914 mm) long for single door and 72 inches (1829 mm) for pair of doors. Custom sizes available.

2.8 PINNING CHANNELS

- A. 1-3/8 X 2-5/8 X 3/8:
 - 1. Part Number: - 10INSERT.
 - 2. Category: - Pinning Channels.
 - 3. Finish: - Mill Finish.
 - 4. Glass Thickness: - 1/2 inch (13 mm), 5/8 inch (16 mm) and 3/4 inch (19 mm).

- B. L-Angle Steel Fin Head Bracket:
 - 1. Part Number: - FHBBS.



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2. Category: - Pinning channels.
 3. Finish: - #4 Brushed S.S.
- C. 1-1/4 X 1-1/2 U-Channel:
1. Part Number: - 125X15UCCLR.
 2. Category: - U channels.
 3. Finish: - Clear Anodize.
 4. Material: - Please Contact PRL for Info.
 5. Glass Thickness: - 3/4 inch (19 mm).
 6. Detail: - 1-1/4 inch (32 mm) wide X 1-1/2 inches (38 mm) tall.
- D. 1-1/4 X 1 U-Channel:
1. Part Number: - 125X1UCCLR.
 2. Category: - U channels.
 3. Finish: - Clear Anodize.
 4. Material: - Please Contact PRL for Info.
 5. Glass Thickness: - 3/4 inch (19 mm).
 6. Detail: - 1-1/4 inch (32 mm) wide X 1 inch (25 mm) tall.
- E. 1 X 1-1/2 Aluminum U-Channel:
1. Part Number: - 1X15UCCL.
 2. Category: - U channels.
 3. Finish: - Clear Anodize.
 4. Material: - Aluminum.
 5. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 6. Detail: - 1 inch (25 mm) wide X 1-1/2 inches (38 mm) tall X 1/8 inch (3 mm) thick. This channel used primarily at ceilings.
- F. 1 X 1 Aluminum U-Channel:
1. Part Number: - 1X1UCDB.
 2. Category: - U channels.
 3. Finish: - Bronze Anodize.
 4. Material: - Aluminum
 5. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 6. Detail: - 1 inch (25 mm) wide x 1 inch (25 mm) tall x 1/8 inch (3 mm) thick. This channel used primarily at floor or walls.

2.9 PULL HANDLES

- A. Standard Pulls:
1. Part Number: - PL3E10BS:
 - a. Description: - PI-3 10 inches (254 mm) C.T.C.C Pull In #4 S.S.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass
 2. Part Number: - PL3E12BS:
 - a. Description: - PI-3 12 inches (305 mm) CTC Pull In #4 Satin SS.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass.
 3. Part Number: - PL3E18BS:
 - a. Description: - PI-3 18" CTC Pulls Brushed SS.



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- b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass.
4. Part Number: - PL3E24BS:
- a. Description: - PI-3 24" CTC Pulls Brushed SS.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass.
5. Part Number: - PL8E1028BS:
- a. Description: - PL-8 Standard Series 10 X 28 Push/ Pull.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass.
6. Part Number: - PL8E1228BS:
- a. Description: - P L-8 Standard Series 12 X 28 Push/ Pull.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass
- B. Off Set Pulls:
1. Part Number: - PL3EO10PS.
- a. Description: - P L-3 10 inches (254 mm) Offset Back/Back Pull Handle.
 - b. Finish: - #8 Polished S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass.
2. Part Number: - PL3EO12PS.
- a. Description: - P L-3 12 inches (305 mm) Offset Back/Back Pull Handle.
 - b. Finish: - #8 Polished S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass.
- C. C Pulls:
1. Part Number: - PL5EBS.
- a. Description: - PI-5 12 inches (305 mm) C-Pull.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm) and 1/2 inch (13 mm).
 - e. Detail: - 1 inch (25 mm) diameter tubing handle. Requires 5/8 inch (16 mm) holes on glass
- D. Ladder Pulls:
1. Part Number: - 24LPBS.
- a. Description: - 24 inches (610 mm) OAD/ 12 inches CTC Ladder Pull #4 S/S.
 - b. Finish: - #4 Brushed S.S.



- c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1-1/4 inches (32 mm) tubing diameter ladder pull back to back. Requires 5/8 inch (16 mm) holes on glass. 24 inches (610 mm) overall. 12 inches (305 mm) center to center.
 2. Part Number: - 36LPBS.
 - a. Description: - 36 inches (914 mm) OAD /24 inches (610 mm) CTC Ladder Pull Brushed S/S.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1-1/4 inches (32 mm) tubing diameter ladder pull back to back. Requires 5/8 inch (16 mm) holes on glass. 36 inches (914 mm) overall. 24 inches (610 mm) center to center.
 3. Part Number: - 48LPBS.
 - a. Description: - 48 inches (1219 mm) OAD/ 36 inches (914 mm) CTC Ladder Pull #4 SS.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1-1/4 inches (32 mm) tubing diameter ladder pull back to back. Requires 5/8 inch (16 mm) holes on glass. 48 inches (1219 mm) overall. 36 inches (914 mm) center to center.
 4. Part Number: - 60LPBS.
 - a. Description: - 60 inches (1524 mm) OAD/48 inches (1219 mm) CTC Ladder Pull #4 SS.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1-1/4 inches (32 mm) tubing diameter ladder pull back to back. Requires 5/8 inch (16 mm) holes on glass. 60 inches (1524 mm) overall. 48 inches (1219 mm) center to center.
 5. Part Number: - 72LPBS.
 - a. Description: - 72 inches (1829 mm) OAD/60 inches (1524 mm) CTC Ladder Pull #4 SS.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1-1/4 inches (32 mm) tubing diameter ladder pull back to back. Requires 5/8 inch (16 mm) holes on glass. 72 inches (1829 mm) overall. 60 inches (1524 mm) center to center.
 6. Part Number: - 84LPBS.
 - a. Description: - 84 inches (2134 mm) OAD/ 72 inches (1829 mm) CTC Ladder Pull #4 SS.
 - b. Finish: - #4 Brushed S.S.
 - c. Material: - Brass or Stainless Steel tubing.
 - d. Glass Thickness: - 3/8 inch (9.5 mm), 1/2 inch (13 mm) & 3/4 inch (19 mm).
 - e. Detail: - 1-1/4 inches (32 mm) tubing diameter ladder pull back to back. Requires 5/8 inch (16 mm) holes on glass. 84 inches (2134 mm) overall. 72 inches (1829 mm) center to center.

2.10 LOCKS

- A. Euro locks:
 1. Part Number: - PL16500PS.
 - a. Description: - Door Lock Patch Fitting.



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- b. Finish: - #8 Polished S.S.
- c. Material: - Please Contact PRL for Info.
- d. Glass Thickness: - 3/8 inch (9.5 mm) And 1/2 inch (13 mm).
- 2. Part Number: - PL190102.
 - a. Description: - Euro Latch Lock/Lever 1910.
 - b. Finish: - Clear Anodize.
 - c. Material: - Please Contact PRL for Info.
 - d. Glass Thickness: - Please Contact PRL for Info.
 - e. Detail: - 3-1/8 inches (79 mm) H / 6-3/4 inches (171 mm) W.
- 3. Part Number: - PLEUR680BS
 - a. Description: - Euro Series Patch Lock W/ Keeper.
 - b. Finish: - #4 Brushed S.S.

- B. Flush Bolt:
 - 1. Part Number: - FBBR.
 - a. Finish: - Bronze Anodize.
 - 2. Part Number: - FBCLR.
 - a. Finish: - Clear Anodize.
 - 3. Part Number: - FBPS.
 - a. Finish: - #8 Polished S.S.

- C. Lock Housing:
 - 1. Part Number: - AR4568SA.
 - a. Description: - Center Lock Housing Lever.
 - b. Finish: - Satin Aluminum (130).
 - c. Material: - cast aluminum/steel mounted base.
 - 2. Part Number: - CLHANO.
 - a. Description: - Center Lock Housing With Strike Clear Anodize.
 - b. Finish: - Clear Anodize.
 - c. Material: - stainless steel.
 - 3. Part Number: - PLCLH1.
 - a. Description: - Center Lock Housing With 8 inches (203 mm) Pull/Long Throw Deadlock.
 - b. Finish: - Clear Anodize.
 - 4. Part Number: - PLPTH303BS
 - a. Description: - PTH Series Sculptured Style Lever Handle.
 - b. Finish: - #4 Brushed S.S.
 - 5. Part Number: - PLPTH306BS.
 - a. Description: - PTH Series Lever Handle.
 - b. Finish: - #4 Brushed S.S.
 - 6. Part Number: - PLPTH311BS.
 - a. Description: - PTH Series Lock Housing.
 - b. Finish: - #4 Brushed S.S.

- D. Magnetic lock:
 - 1. Part Number: - 505PS.
 - a. Description: - Locknectic 505 Power Supply.
 - 2. Part Number: - 510PS.
 - a. Description: - Locknectic 510 Power Supply.
 - 3. Part Number: - FA3101.
 - a. Description: - F.A. 310-1 Electric Strike/Single.
 - 4. Part Number: - FS23M.
 - a. Description: - SDC Electric Deadbolt Lock.

- E. Door locks:
 - 1. Part Number: - AR1850.

- a. Description: - Adams Rite Ms1850 Deadlock.
2. Part Number: - AR1861.
 - a. Description: - Adams Rite Ms1861 Bottom Deadlock.
3. Part Number: - AR3PL.
 - a. Description: - Adams Rite 3 Point Lock.
4. Part Number: - AR4510.
 - a. Description: - Adams Rite 4510 Deadlatch.
5. Part Number: - AR4710.
 - a. Description: - Adams Rite 4710 Series Deadlatch.
6. Part Number: - AR7100.
 - a. Description: - Adams Rite 7100 Electric Strike.
7. Part Number: - AR7400.
 - a. Description: - Adams Rite7400 Electric Strike.

2.11 CLOSERS

A. Floor Closures:

1. Part Number: - BTS75V105HO.
 - a. Description: - Dorma BTS75V 105 Degree Hold Open.
 - b. Finish: - Aluminum: 689.
 - c. Detail: - 105 Degree Hold Open. Center Hung, Non-Handed.
 - d. Weight Capacity: 260 lbs (113 kg).
 - e. Doors measuring up to 3 feet-6 inches (1067 mm) wide interior and 3 feet-0 inches (914 mm) exterior.
 - f. 8.5 lbf (3.9 kgf) maximum opening force for exterior doors.
 - g. Warranty: 25 Years.
2. Part Number: - BTS75V90HO.
 - a. Description: - Dorma BTS75V 90 Degree Hold Open.
 - b. Finish: - Aluminum: 689.
 - c. Detail: - 90 Degree Hold Open. Center Hung, Non-Handed.
 - d. Weight Capacity: 260 lbs (118 kg).
 - e. Doors measuring up to 3 feet-6 inches (1067 mm) wide interior and 3 feet-0 inches (914 mm) exterior.
 - f. 8.5 lbf (3.9 kgf) maximum opening force for exterior doors.
 - g. Warranty: 25 Years.
3. Part Number: - BTS75VBF90HO.
 - a. Description: - Dorma BTS75V BF 90 Degree Hold Open.
 - b. Finish: - Aluminum: 689.
 - c. Detail: - 90 Degree Hold Open, Barrier Free (BF). Center Hung, Non-Handed.
 - d. Accommodates doors weighing up to 260 lbs (118 kg) and measuring up to 3 feet-6 inches (1067 mm) wide interior and 3 feet-0 inches (914 mm) exterior.
 - e. Meets A.D.A. Code.
 - f. Opening force 5 lbf (2.23 kgf) or less on interior doors 8.5 lbf (3.9 kgf) or less opening force for exterior doors.
 - g. Warranty: 25 Years.
4. Part Number: - BTS75VBFNHO.
 - a. Description: - Dorma BTS75V BF No Hold Open.
 - b. Finish: - Aluminum: 689.
 - c. Detail: - No Hold Open, Barrier Free (BF). Center Hung, Non-Handed
 - d. Accommodates doors weighing up to 260 lbs (118 kg) and measuring up to 3 feet-6 inches (1067 mm) wide interior and 3 feet-0 inches (914 mm) exterior.
 - e. Meets A.D.A. Code.
 - f. Opening force 5 lbf (2.23 kgf) or less on interior doors 8.5 lbf (3.9 kgf) or less opening force for exterior doors.
 - g. Warranty: 25 Years.
5. Part Number: - BTS75VNHO.



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- a. Description: - Dorma BTS75V No Hold Open.
 - b. Finish: - Aluminum: 689.
 - c. Detail: - No Hold Open. Center Hung, Non-Handed.
 - d. Accommodates doors weighing up to 260 lbs (118 kg) and measuring up to 3 feet-6 inches (1067 mm) wide interior and 3 feet-0 inches (914 mm) exterior. 8.5 lbf (3.9 kgf) maximum opening force for exterior doors.
 - e. Warranty: 25 Years.
6. Part Number: - BTS80.
- a. Description: - Dorma BTS80 Floor Closer.
 - b. Finish: - Aluminum: 689.
 - c. Detail: - Center Hung, Non-Handed.
 - d. Selectable multipoint hold open and no hold open between approx. 75 degrees to 175 degrees.
 - e. Accommodates interior and exterior doors weighing up to 660 lbs (299 kg) and measuring up to 4 feet-0 inches (1219 mm) exterior and 4 feet-6 inches (1372 mm) interior.
 - f. Warranty: 25 Years
7. Part Number: - BTS80BFE.
- a. Description: - Dorma BTS80 BFE Floor Closer.
 - b. Finish: - Aluminum: 689.
 - c. Detail: - Center Hung, Non-Handed. Barrier Free Exterior (BFE).
 - d. Designed to meet 8.5 pound force (39 kgf) maximum opening force requirements for exterior barrier-free doors.
 - e. Selectable multipoint action between 75 degrees to 175 degrees.
 - f. Accommodates doors weighing up to 660 lbs (299 kg) and measuring 4 feet-0 inches (1219 mm) exterior and 4 feet-6 inches (1372 mm) interior.
 - g. Warranty: 25 Years.
8. Part Number: - RIXSON28105HO.
- a. Description: - Rixson 28 Floor Closer 105 Degree Hold Open.
 - b. Detail: - Heavy Duty, Single Acting, Handed.
 - c. Weight Capacity: 350 Lbs (159 kg).
 - d. Doors measuring up to 4 feet-0 inch x 8 feet-6 inches (1219 mm x 2591 mm). For doors taller than 8 feet-6 inches (1219 mm x 2591 mm) use top pivot #345 in lieu of #340.
 - e. Models available to meet ADA low opening force requirements, prefix "PH" (for 8.5 lbf (3.9 kgf) of opening force prefix "PH" and suffix 8-1/2lbs).
 - f. Cement case size: 5-7/8 inches w x 4-1/16 inches h x 11-1/8 inches l (149 mm x 103 mm x 283 mm).
 - g. Warranty: 10 Years
9. Part Number: - RIXSON28105NHO.
- a. Description: - Rixson 28 Floor Closer 105 Degree No Hold Open.
 - b. Detail: - Heavy Duty, Single Acting, Handed.
 - c. Weight Capacity: 350 Lbs (159 kg).
 - d. Doors measuring up to 4 feet-0 inch x 8 feet-6 inches (1219 mm x 2591 mm). For doors taller than 8 feet-6 inches (1219 mm x 2591 mm) use top pivot #345 in lieu of #340.
 - e. Models available to meet ADA low opening force requirements, prefix "PH" (for 8.5 lbf (3.9 kgf) of opening force prefix "PH" and suffix 8-1/2lbs).
 - f. Cement case size: 5-7/8 inches w x 4-1/16 inches h x 11-1/8 inches l (149 mm x 103 mm x 283 mm).
 - g. Warranty: 10 Years
10. Part Number: - RIXSON2890HO.
- a. Description: - Rixson 28 Floor Closer 90 Degree Hold Open.
 - b. Detail: - Heavy Duty, Single Acting, Handed.
 - c. Weight Capacity: 350 Lbs (159 kg).



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- d. Doors measuring up to 4 feet-0 inch x 8 feet-6 inches (1219 mm x 2591 mm). For doors taller than 8 feet-6 inches (1219 mm x 2591 mm) use top pivot #345 in lieu of #340.
 - e. Models available to meet ADA low opening force requirements, prefix "PH" (for 8.5 lbf (3.9 kgf) of opening force prefix "PH" and suffix 8-1/2lbs).
 - f. Cement case size: 5-7/8 inches w x 4-1/16 inches h x 11-1/8 inches l (149 mm x 103 mm x 283 mm).
 - g. Warranty: 10 Years
11. Part Number: - RIXSON2890NHO
- a. Description: - Rixson 28 Floor Closer 90 Degree No Hold Open
 - b. Detail: - Heavy Duty, Single Acting, Handed
 - c. Weight Capacity: 350 Lbs (159 kg).
 - d. Doors measuring up to 4 feet-0 inch x 8 feet-6 inches (1219 mm x 2591 mm). For doors taller than 8 feet-6 inches (1219 mm x 2591 mm) use top pivot #345 in lieu of #340.
 - e. Models available to meet ADA low opening force requirements, prefix "PH" (for 8.5 lbf (3.9 kgf) of opening force prefix "PH" and suffix 8-1/2lbs).
 - f. Cement case size: 5-7/8 inches w x 4-1/16 inches h x 11-1/8 inches l (149 mm x 103 mm x 283 mm).
 - g. Warranty: 10 Years
- B. Overhead Closers:
- 1. Part Number: - OHCADJ105HO.
 - a. Description: - Adjustable overhead closer 105 degree hold open complete package.
 - b. Material: - Cast Iron Housing.
 - c. Detail: - Non-handed, concealed overhead closer. Center-hung for double or single action doors. Complete package with endload arm & bottom pivot.
 - d. Spring Tension: Adjustable, meets A.D.A opening force requirements.
 - e. Door Maximum Size: 36 inches (914 mm) to 48 inches (1219 mm) wide.
 - f. Door Maximum Weight: 225 Lbs (102 kg).
 - g. Warranty: 5 Years
 - 2. Part Number: - OHCADJ105NHO.
 - a. Description: - adjustable overhead closer 105 degree no hold open complete package.
 - b. Material: - Iron Cast Housing.
 - c. Detail: - Non-handed, concealed overhead closer. Center-hung for double or single action doors. Complete package with endload arm & bottom pivot.
 - d. Spring Tension: Adjustable, meets A.D.A opening force requirements.
 - e. Door Maximum Size: 36 inches (914 mm) to 48 inches (1219 mm) wide.
 - f. Door Maximum Weight: 225 Lbs (102 kg).
 - g. Warranty: 5 Years
 - 3. Part Number: - OHCADJ90HO.
 - a. Description: - adjustable overhead closer 90 degree hold open complete package.
 - b. Material: - Cast Iron Housing.
 - c. Detail: - Non-handed, concealed overhead closer. Center-hung for double or single action doors. Complete package with endload arm & bottom pivot.
 - d. Spring Tension: Adjustable, meets A.D.A opening force requirements.
 - e. Door Maximum Size: 36 inches (914 mm) to 48 inches (1219 mm) wide.
 - f. Door Maximum Weight: 225 Lbs (102 kg).
 - g. Warranty: 5 Years
 - 4. Part Number: - OHCADJ90NHO.
 - a. Description: - adjustable overhead closer 90 degree no hold open complete package.



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- b. Material: - Cast Iron Housing.
 - c. Detail: - Non-handed, concealed overhead closer. Center-hung for double or single action doors. Complete package with endload arm & bottom pivot.
 - d. Spring Tension: Adjustable, meets A.D.A opening force requirements.
 - e. Door Maximum Size: 36 inches (914 mm) to 48 inches (1219 mm) wide.
 - f. Door Maximum Weight: 225 Lbs (102 kg).
 - g. Warranty: 5 Years
5. Part Number: - OHCMED105HO
- a. Description: - Medium duty overhead closer 105 degree hold open complete package.
 - b. Material: - Cast Iron Housing
 - c. Detail: - Non-handed, concealed overhead closer. Center-hung for double or single action doors. Complete package with endload arm & bottom pivot.
 - d. Spring tension: medium duty #4 door maximum size: up to 41 inches (1041 mm) wide.
 - e. Door maximum weight: 175 lbs (79 kg).
 - f. Warranty: 5 Years.
6. Part Number: - OHCMED105NHO.
- a. Description: - Medium duty overhead closer 105 degree no hold open complete package.
 - b. Material: - Cast Iron Housing.
 - c. Detail: - Non-handed, concealed overhead closer. Center-hung for double or single action doors. Complete package with endload arm & bottom pivot.
 - d. Spring tension: medium duty #4 door maximum size: up to 41 inches (1041 mm) wide.
 - e. Door maximum weight: 175 lbs (79 kg).
 - f. Warranty: 5 Years.
7. Part Number: - OHCMED90HO.
- a. Description: - Medium duty overhead closer 90 degree hold open complete package.
 - b. Material: - Iron Cast Housing.
 - c. Detail: - Non-handed, concealed overhead closer. Center-hung for double or single action doors. Complete package with endload arm & bottom pivot.
 - d. Spring tension: medium duty #4 door maximum size: up to 41 inches (1041 mm) wide.
 - e. Door maximum weight: 175 lbs (79 kg).
 - f. Warranty: 5 Years.
8. Part Number: - OHCMED90NHO.
- a. Description: - Medium duty overhead closer 90 degree no hold open complete package.
 - b. Material: - Iron Cast Housing.
 - c. Detail: - Non-handed, concealed overhead closer. Center-hung for double or single action doors. Complete package with endload arm & bottom pivot.
 - d. Spring tension: medium duty #4 door maximum size: up to 41 inches (1041 mm) wide.
 - e. Door maximum weight: 175 lbs (79 kg).
 - f. Warranty: 5 Years.
9. Part Number: - RTS88C105HO.
- a. Description: - Dorma RTS88 Overhead Closer 105 Degree Hold Open.
 - b. Material: - Cast Iron Housing.
 - c. Detail: - Non-handed concealed overhead closer, center hung for both single and double-acting doors. Includes closer body, standard bottom pivot and standard arm. Door maximum size: 3 feet-0 inches (914 mm) to 3 feet-6 inches (1067 mm) for interior doors and 2 feet-6 inches (762 mm) to 3 feet-0 inches (914 mm) for exterior doors.



- d. Door maximum weight: up to 250 lbs (113 kg) interior and 200 lbs (91 kg) exterior.
- e. Warranty: 5 Years.
- 10. Part Number: - RTS88C105NHO.
 - a. Description: - Dorma Rts88 Overhead Closer 105 Degree No Hold Open.
 - b. Material: - Cast Iron Housing.
 - c. Detail: - Non-handed concealed overhead closer, center hung for both single and double-acting doors. Includes closer body, standard bottom pivot and standard arm. Door maximum size: 3 feet-0 inches (914 mm) to 3 feet-6 inches (1067 mm) for interior doors and 2 feet-6 inches (762 mm) to 3 feet-0 inches (914 mm) for exterior doors.
 - d. Door maximum weight: up to 250 lbs (113 kg) interior and 200 lbs (91 kg) exterior.
 - e. Warranty: 5 Years.
- 11. Part Number: - RTS88C90HO.
 - a. Description: - Dorma RTS88 Overhead Closer 90 Degree Hold Open.
 - b. Material: - Cast Iron Housing.
 - c. Detail: - Non-handed concealed overhead closer, center hung for both single and double-acting doors. Includes closer body, standard bottom pivot and standard arm. Door maximum size: 3 feet-0 inches (914 mm) to 3 feet-6 inches (1067 mm) for interior doors and 2 feet-6 inches (762 mm) to 3 feet-0 inches (914 mm) for exterior doors.
 - d. Door maximum weight: up to 250 lbs (113 kg) interior and 200 lbs (91 kg) exterior.
 - e. Warranty: 5 Years.
- 12. Part Number: - RTS88C90NHO.
 - a. Description: - Dorma Rts88 Overhead Closer 90 Degree No Hold Open.
 - b. Material: - Cast Iron Housing.
 - c. Detail: - Non-handed concealed overhead closer, center hung for both single and double-acting doors. Includes closer body, standard bottom pivot and standard arm. Door maximum size: 3 feet-0 inches (914 mm) to 3 feet-6 inches (1067 mm) for interior doors and 2 feet-6 inches (762 mm) to 3 feet-0 inches (914 mm) for exterior doors.
 - d. Door maximum weight: up to 250 lbs (113 kg) interior and 200 lbs (91 kg) exterior.
 - e. Warranty: 5 Years.

2.12 DOOR PIVOTS

- A. Electrified M19 Intermediate Pivot:
 - 1. Part Number: - EM19BS.
 - 2. Finish: - #4 Brushed S.S.
 - 3. Material: - Please Contact PRL for Info.
 - 4. Detail: - Offset Electric Pivot For Power Transfer, Handed.
 - 5. 3/4 inch (19 mm) Offset
- B. M19 Intermediate Pivot:
 - 1. Part Number: - M19BS.
 - 2. Finish: - #4 Brushed S.S.
 - 3. Material: - Please Contact PRL for Info.
 - 4. Detail: - Intermediate Pivot, Handed.
 - 5. 3/4 inch (19 mm) Offset.
 - 6. Maintains Door Alignment.
- C. Rixon 147 Bottom Pivot:
 - 1. Part Number: - RIX147BPBS.



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2. Finish: - #4 Brushed S.S.
 3. Material: - Please Contact PRL for Info.
 4. Detail: - Offset Pivot Set, Handed.
 5. 3/4 inch (19 mm) offset, from center line of pivot set to face of door.
 6. Door weight up to 600 lbs.
 7. Door width up to 48 inches (1219 mm).
- D. Rixson 180 Top Pivot 3/4 inch (19 mm)Offset:
1. Part Number: - RIX180TPBS.
 2. Finish: - #4 Brushed S.S.
 3. Material: - Please Contact PRL for Info.
 4. Detail: - Standard pivot set, can be used with most offset pivot sets.
 5. 3/4 inch (19 mm) offset, from center line of pivot set to face of door. Non handed.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions and in proper relationship with adjacent work. Test for proper operation and adjust until satisfactory results are obtained.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION