SECTION 06414

CABINET HARDWARE

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\*\* NOTE TO SPECIFIER \*\* Hafele America Co.; cabinet and furniture hardware and drawer slide hardware.  
 .  
 This section is based on drawer slide hardware, exclusively distributed in North America by Hafele America Co., which is located at:

3901 Cheyenne Drive  
 Archdale, NC 27263-4000  
 Toll Free Tel: (800) 423-3531  
 Te1: (336) 434-2322  
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 Web: [www.hafele.com/us](http://www.hafele.com/us)  
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[ [Click Here](http://www.arcat.com/arcatcos/cos38/arc38431.html) ] for additional information.

Since opening our first distribution facility in 1976, Hafele has established itself as the premier supplier of hardware to the furniture and cabinetry industries. With our latest introduction of products for the Architectural community, Hafele has become a one-stop source from specification to final product. From framed and frameless hinges, and mounting plates to Smove, view the Hafele catalog online or request your own printed copy.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Cabinet hinges.
    2. Drawer slides.
  1. RELATED SECTIONS

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

* + 1. Section 06400 - Architectural Woodwork.
    2. Section 06410 - Custom cabinets.
    3. Section 08810 - Glass.
    4. Section 12300 - Manufactured Casework.
    5. Section 12320 - Manufactured Wood Casework.
    6. Section 12350 - Specialty School Fixture Casework.
    7. Section 12350 - Specialty Store Fixture Casework.
    8. Section 12510 - Office Casework.
  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: Submit schedule showing hardware, hardware location and finishes.

\*\* NOTE TO SPECIFIER \*\* Verification samples are not normally required, except on very large projects and in situations where specific model numbers have not been specified.

* + 1. Verification Samples: Two of each different item of hardware for approval by Architect. One of each pair of approved items will be returned and may be used on the project.
  1. QUALITY ASSURANCE

\*\* 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 solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
  2. SEQUENCING
     1. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
     2. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
  3. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
  4. EXTRA MATERIALS
     1. See Section 01600 - Product Requirements, for additional provisions.
     2. Deliver extra sets of hardware items for Owner's use in maintenance.

\*\* NOTE TO SPECIFIER \*\* Extra sets of hardware are not usually required except on very large projects. If used, delete options below not required; enter percentage or number of extra sets to be supplied.

* + - 1. Hinges: \_\_\_\_ percent of each type actually installed, but not less than 2 sets.
      2. Drawer Slides: \_\_\_\_ percent of each type actually installed, but not less than 2 sets.
      3. Drawer Slides: \_\_\_\_ of each type actually installed.
      4. Specialty TV Slides: \_\_\_\_ percent of each type actually installed, but not less than 2 sets.
      5. Specialty TV Slides: \_\_\_\_ of each type actually installed.
      6. Specialty retracting Cabinet Door Slides: \_\_\_\_ percent of each type actually installed, but not less than 2 sets.
      7. Specialty retracting Cabinet Door Slides: \_\_\_\_ of each type actually installed.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Hafele America Co., which is located at: 3901 Cheyenne Dr. P.O. Box 4000 ; Archdale, NC 27263; Toll Free Tel: 888-437-7477; Tel: 336-434-8136; Fax: 336-434-8159; Email: [request info (jvanwyk@hafeleamericas.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Hafele+America+Co.&coid=38431&rep=&fax=336-434-8159&message=RE:%20Spec%20Question%20(06414haf):%20%20&mf=); Web: [www.hafele.com/us](http://www.hafele.com/us)

\*\* 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.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs include several groups of hinge types including sub-paragraphs with choices for detailed requirement for each type. Select the groups and types required in each group and delete those not required.  
   
 \*\* NOTE TO SPECIFIER \*\* Following hinges are from the Duomatic Hinge series. Concealed Hinges by Duomatic are available for Glass and Panel door use with furniture, kitchen and case good applications. Duomatic hinges offer solutions for virtually any application for full, half or insetmounting. Select the hinges required from the following paragraphs or delete if not required.

* 1. CONCEALED HINGES - DUOMATIC

\*\* NOTE TO SPECIFIER \*\* Hinges available in full range of hinge type, mounting, action and with trim cap unless noted otherwise. Use the following paragraph to establish the default for Duomatic hinges or delete and define at each hinge.

* + 1. Hinge: Steel, nickel plated finish.
       1. Hinge Type:
          1. Full overlay.
          2. Half overlay or twin mounting.
          3. Inset.
       2. Mounting:
          1. Screw mount.
          2. Press-fit.
          3. Quick mount - Rapido.
          4. Tool-less - Logica.
       3. Action:
          1. Free swinging.
          2. Self closing.
       4. Trim Cap:
          1. Black.
          2. White.

\*\* NOTE TO SPECIFIER \*\* Duomatic 200 Series. Select concealed hinge type from the following 3 paragraphs then select the opening angle, action, door thickness and mounting required. Delete those not required.

* + 1. Concealed Hinge 35mm Cup: Full Overlay.
    2. Concealed Hinge 35mm Cup: Half Overlay.
    3. Concealed Hinge 35mm Cup: Inset.

\*\* NOTE TO SPECIFIER \*\* Not available in Logica mount. Delete degree opening hinge if not required.

* + - 1. Opening Angle: 94 degree:

\*\* NOTE TO SPECIFIER \*\* Delete action not required.

* + - 1. Action: Self-closing.
      2. Action: Free swinging.
      3. Door thickness 5/8 inch to 1-1/4 inches (16 mm to 32 mm).

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting: Screw mount.
      2. Mounting: Press fit.
      3. Mounting: Quick mount - Rapido.

\*\* NOTE TO SPECIFIER \*\* 110 degree available in additional 1/2 inch (16 mm) overlay type. Delete degree opening hinge if not required.

* + - 1. 110 degree: Self-closing.

\*\* NOTE TO SPECIFIER \*\* Delete action not required.

* + - 1. Action: Self-closing.
      2. Action: Free swinging.
      3. Door thickness 5/8 inch to 1 inch (16 mm to 26 mm).

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting: Screw mount.
      2. Mounting: Press fit.
      3. Mounting: Quick mount - Rapido.
      4. Mounting: Tool-less - Logica.

\*\* NOTE TO SPECIFIER \*\* Delete degree opening hinge if not required.

* + - 1. 110 degree: Self closing for lipped or miter doors, screw mount. Full overlay.

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting: Screw mount.
      2. Mounting: Press fit.

\*\* NOTE TO SPECIFIER \*\* Not available in Rapido and Logica mount. Not available in inset type. 120 degree available in additional 1/2 inch (16 mm) overlay type. Delete degree opening hinge if not required.

* + - 1. 120 degree: Self closing.
      2. Door thickness 5/8 inch to 1 inch (16 mm to 26 mm).

\*\* NOTE TO SPECIFIER \*\* Not available in Logica mount. Delete degree opening hinge if not required.

* + - 1. 165 degree: Self closing.
      2. Door thickness 5/8 inch to 1-1/8 inches (16 mm to 28 mm).

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting: Screw mount.
      2. Mounting: Press fit.
      3. Mounting: Quick mount - Rapido.

\*\* NOTE TO SPECIFIER \*\* Duomatic hinges for thick doors. Select concealed hinge type from the following 3 paragraphs then select the opening angle, door thickness and mounting and overlay required. Delete those not required.. Delete those not required.

* + 1. Concealed Hinge 40mm Cup for Thick Door: Full overlay.
    2. Concealed Hinge 40mm Cup for Thick Door: Inset.
    3. Concealed Hinge 40mm Cup for Thick Door: Half overlay.
       1. Opening Angle: 94 degree, self closing, screw mount.
       2. Door Thickness: 5/8 inch to 1-5/16 inches (16 mm to 33 mm).

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

* + 1. Face Frame Hinge:
       1. Attaches directly to frame without mounting plate.
       2. 106 degree, self-closing.

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting: Screw mount.
      2. Mounting: Press fit.

\*\* NOTE TO SPECIFIER \*\* Delete overlay dimension not required.

* + - 1. Overlay: 6 mm.
      2. Overlay: 8 mm.
      3. Overlay: 10 mm.
      4. Overlay: 11 mm.
      5. Overlay: 13 mm.
      6. Overlay: 14 mm.
      7. Overlay: 16 mm.
      8. Overlay: 19 mm.
      9. Overlay: 32 mm.
      10. Overlay: 33 mm.
      11. Overlay: 35 mm.
      12. Overlay: 37 mm.

\*\* NOTE TO SPECIFIER \*\* Select glass door hinge required. Delete if not required.

* + 1. Glass Door Hinge 26mm Cup:
       1. Glass thickness: 3/16 inch to 1/4 inch (4 to 6 mm).
       2. 90 degree, self-closing.
       3. Screw mount.

\*\* NOTE TO SPECIFIER \*\* Select mounting plates required. Delete plate types not required. Delete entirely if not required.

* + 1. Mounting Plates:
       1. In Line Plate:
       2. Face Frame Plate:
       3. Wing Plate:
       4. Angled Wing Plates: 15 degree.
       5. Angled Wing Plates: 7.5 degree.
       6. Angled Wing Plates: 10/30 degree.

\*\* NOTE TO SPECIFIER \*\* Select the hinges required from the following paragraphs or delete if not required.

* 1. HINGES

\*\* NOTE TO SPECIFIER \*\* Hafele hinges available in full range of hinge types, mounting, action and with trim cap unless noted otherwise. Use the following paragraph to establish the default for hinges or delete and define at each hinge.

* + 1. Hinge: Steel - nickel plated.
       1. Hinge Type:
          1. Full overlay.
          2. Half overlay or twin mounting.
          3. Inset.
       2. Mounting:
          1. Screw mount.
          2. Press-fit.
          3. Quick mount - Rapido.
          4. Tool-less - Logica.
       3. Action:
          1. Free swinging.
          2. Self closing.
       4. Trim Cap:
          1. Black.
          2. White.
    2. Easy Mount Concealed Hinge: Inset.
    3. Easy Mount Concealed Hinge: Overlay.
       1. Door thickness: 5/8 inch (16 mm).
       2. 90 degree self-closing.
    4. Pie-cut Corner Hinge: Inset.
       1. Door thickness: 5/8 inch to 7/8 inch (16 to 22 mm).
       2. 70 degree.
    5. S Series Stainless Steel Hinge: Full overlay.
    6. S Series Stainless Steel Hinge: Half overlay.
       1. Door thickness: 9/16 inch to 13/16 inch (15 to 20 mm).

\*\* NOTE TO SPECIFIER \*\* Delete action not required.

* + - 1. 100 degree. Self closing.
      2. 100 degree. Free swinging.
      3. Mounting: Screw mount.
    1. Face Frame Hinge: 1/2 inch (13 mm) overlay.
    2. Face Frame Hinge: 5/8 inch (16 mm) overlay.
       1. Door thickness: 5/8 inch to 1 inch (16 to 26 mm).
       2. 104 degree.

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting: Screw mount.
      2. Mounting: Press fit.
    1. Face Frame Hinge with Mounting Plate: Full overlay.
       1. Door thickness: 5/8 inch to 3/4 inch (16 to 20 mm).
       2. 110 degree. Self-closing.

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting: Screw mount.
      2. Mounting: Press fit.
      3. Mounting plate as required.
    1. Face Frame Hinge: Overlay.
       1. 106 degree.

\*\* NOTE TO SPECIFIER \*\* Delete overlay dimension not required.

* + - 1. Overlay: 6 mm.
      2. Overlay: 8 mm.
      3. Overlay: 10 mm.
      4. Overlay: 11 mm.
      5. Overlay: 13 mm.
      6. Overlay: 14 mm.
      7. Overlay: 16 mm.
      8. Overlay: 19 mm.
      9. Overlay: 32 mm.
      10. Overlay: 33 mm.
      11. Overlay: 35 mm.
      12. Overlay: 37 mm.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs include Aximat hinges for Glass and Wood panel doors, where the opening angle is 180 to 270 degrees. Following hinges are from Aximat series from Hafele. Select the hinges required from the following paragraphs or delete if not required.

* 1. HINGES - AXIMAT

\*\* NOTE TO SPECIFIER \*\* Aximat hinges available in full range of hinge types, mounting, action and with trim cap unless noted otherwise. Use the following paragraph to establish the default for hinges or delete and define at each hinge.

* + 1. Hinge:
       1. Hinge Type:
          1. Full overlay.
          2. Half overlay or twin mounting.
       2. Mounting:
          1. Screw mount.
          2. Press-fit.
       3. Action:
          1. Self closing.
       4. Trim Cap:
          1. Black.
    2. Aximat SM Corner Hinge with Exposed Axel, 8 mm Gap: 5.5 mm overlay.
       1. Door thickness: Wood - up to 13/16 inch (21 mm).
       2. Glass thickness: 3/16 inch to 1/4 inch (5 to 6 mm).
       3. 230 degree. Self-closing.
       4. Wood Mounting: Screw.
       5. Wood Mounting: Press-fit.
       6. Glass Mounting: Screw.
    3. Aximat SM Corner Hinge with Exposed Axel, 4 mm Gap: 12 mm overlay. Nickel Plate finish.
    4. Aximat SM Corner Hinge with Exposed Axel, 4 mm Gap: 15 mm overlay. Nickel Plate finish.
    5. Aximat SM Corner Hinge with Exposed Axel, 4 mm Gap: 15 mm overlay. Black finish.
       1. Door thickness: Wood - up to 13/16 inch (21 mm).
       2. Glass thickness: 3/16 inch to 1/4 inch (5 to 6 mm).
       3. 270 degree. Self-closing.
       4. Wood Mounting: Screw mount.
       5. Wood Mounting: Press-fit.
       6. Glass Mounting: Screw.
    6. Aximat SM with Exposed Axel, 6 mm Gap:
       1. Door thickness: Wood - up to 13/16 inch (21 mm).

\*\* NOTE TO SPECIFIER \*\* Delete hinge type not required.

* + - 1. Corner hinge: 230 degree. 13 mm overlay.
      2. Center hinge: 230 degree. Self-closing 6.5 mm overlay.
      3. Twin hinge: 180 degree. Self-closing 6.5 mm overlay.
      4. Mounting: Screw mount.

\*\* NOTE TO SPECIFIER \*\* Select accessories required and delete if not required.

* + 1. Accessories:
       1. Spacer plate.
       2. Opening angle restraint.

\*\* NOTE TO SPECIFIER \*\* The following paragraphs include special hinges for wood panel doors. Special hinges consist of corner hinges and miter hinges with opening angles from 90 to 135 degrees. Hinges available in full range of hinge type, mounting, action and with trim cap unless noted otherwise. Select the hinges required from the following paragraphs or delete if not required.

* 1. SPECIAL APPLICATION HINGES

\*\* NOTE TO SPECIFIER \*\* Following hinges are from the Duomatic Hinge series. Use the following paragraph to establish a default for Duomatic hinges or delete and define at each hinge.

* + 1. Hinge:
       1. Hinge Type:
          1. Full overlay.
          2. Half overlay or twin mounting.
          3. Inset.
       2. Mounting:
          1. Screw mount.
          2. Press-fit.
          3. Quick mount - Rapido.
          4. Tool-less - Logica.
       3. Action:
          1. Free swinging.
          2. Self closing.
       4. Trim Cap:
          1. Black.
          2. White.
    2. Pie-cut Corner Hinge:
       1. Door thickness: 5/8 inch to 7/8 inch (16 to 22 mm).
       2. 70 degree opening first door.

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting with mounting plate:
         1. Screw (3-6 mm tab).
         2. Press-fit (3-6 mm tab).
         3. Rapido (4 mm tab).
    1. Face Frame Hinge: Inset.
       1. Door thickness: 5/8 inch to 1 inch (16 to 26 mm).
       2. 95 degree self-closing.

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting with mounting plate:
         1. Screw (3-8 mm tab).
         2. Press-fit (3-8 mm tab).
         3. Rapido (3-8 mm tab). 94 degrees.
    1. Corner Hinge: Inset.
       1. Door thickness: 5/8 inch to 1 inch (16 to 26 mm).
       2. 95 degree self-closing.

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting with mounting plate:
         1. Screw.
         2. Press-fit.
         3. Rapido. (45 degree corner application).
    1. Negative Angle -45 Degree Hinge: Full overlay.
       1. Door thickness: 5/8 inch to 1 inch (16 to 26 mm).
       2. 120 degree self-closing.

\*\* NOTE TO SPECIFIER \*\* Delete mounting not required.

* + - 1. Mounting with mounting plate:
         1. Screw.
         2. Rapido.
    1. GS Miter Hinge for Doors: 45 degree chamfer.
       1. Door thickness: 5/8 inch to 13/16 inch (16 to 22 mm).
       2. 135 degree. Screw mount.
    2. GS Miter Hinge for Doors: 22.5 degree chamfer.
       1. Door thickness: 5/8 inch to 13/16 inch (16 to 22 mm).
       2. 120 degree. Screw mount.
    3. GS Miter Hinge for Doors: 45 degree chamfer.
       1. Door thickness: 5/8 inch to 13/16 inch (16 to 22 mm).
       2. 90 degree. Screw mount.

\*\* NOTE TO SPECIFIER \*\* Select mounting plates required. Delete plate types not required. Delete entirely if mounting plates not required.

* + 1. Mounting Plates:
       1. In line plate.
       2. Face frame plate.
       3. Wing plate.
       4. Angled Wing Plates: 15 degree.
       5. Angled Wing Plates: 7.5 degree.
       6. Angled Wing Plates: 10/30 degree.

\*\* NOTE TO SPECIFIER \*\* Select the shock absorber required from the following paragraphs or delete if not required.

* 1. SHOCK ABSORBERS FOR DOORS

\*\* NOTE TO SPECIFIER \*\* Select mortise type or adapter type and delete the type not required.

* + 1. Mortised: SMOVE with pre-attached clear grommet. Adapter not required.
       1. Light resistance.
       2. Medium resistance.
       3. 3. Heavy resistance.
    2. SMOVE Adaptor:

\*\* NOTE TO SPECIFIER \*\* Delete adaptor not required.

* + - 1. Face frame application.
      2. Double door overlay application.
      3. Double Door insert application.
      4. Overlay door application.
      5. Inset door application.
      6. Double door inset application.
      7. Overlay door application for heavy resistance.
  1. DRAWER SLIDES

\*\* NOTE TO SPECIFIER \*\* Light Duty slides include slides with weight capacity less than 50 lbs to 75 lbs depending on the slide and the extension; for applications including: kitchen cabinets, bathroom vanities. Medium Duty slides include slides with weight capacity of 50 lbs to 115 lbs depending on the slide and the extension; for applications including: kitchen cabinets, bathroom vanities, office and institutional desks and file drawers, architectural woodwork, pencil or center drawers, millwork and credenzas. Heavy Duty slides include slides with weight capacity greater than 75 lbs; for applications including: kitchen cabinets, vanities, desks, home cabinets, workbenches, pedestal and lateral file drawers, credenzas, and millwork. Delete slides not required. Edit each slide retained and delete options not applicable to the project. If multiple slide types are required, indicate on drawings locations of each type, or attach schedule to end of this section.

* + 1. Drawer Slides - Light and Medium Duty:
       1. Center Mount Slide: Cat. No. 422.00.xxx, all ball bearing top mount premium slide, 3/4 extension with a 35 lb (16 kg) load rating.
          1. Finish: Clear zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Keyboard/Pencil Drawer Slide: Cat. No. 422.14.3xx, all ball bearing center mount premium slide, 3/4 extension with a 75 lb (34 kg) load rating.
         1. Finish: Black zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.32.9xx, all ball bearing side mount premium slide, 3/4 extension, hold-in detent with a 75 lb (34 kg) load rating.
         1. Finish: Clear zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.24.xxx, all ball bearing side mount premium slide, full extension, hold-in detent with a 65 lb (29 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.15.xxx, all ball bearing two way premium slide, 3/4 extension, side mounted, with a 50 lb (22 kg) load rating.
         1. Finish: Clear zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Groove/Side Mounted, Roller Bearing Slides: Cat. No. 420.58.xxx, 3/4 extension slides, with a 22 lb/pr (10 kg) load rating.
         1. Finish: Clear zinc..

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
    1. Drawer Slides - Medium Duty:
       1. Stainless Steel Side Mounted, Ball Bearing Slides: Cat. No. 420.42.0xx, all ball bearing, stainless steel, full extension, side mounted premium slides, hold-in detent with a 92 lb (42 kg) to 64 lb (29 kg) load rating.
          1. Finish: Stainless steel, passivated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Stainless Steel Side Mounted, Ball Bearing Slides: Cat. No. 420.43.0xx, all ball bearing, stainless steel, full extension, side mounted premium slides, hold-in detent with a 115 lb (52 kg) to 87 lb (40 kg) load rating.
         1. Finish: Stainless steel, passivated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Bottom or Side Mounted, Ball Bearing Slides: Cat. No. 422.07.xxx, all ball bearing, full extension plus 1 inch (25 mm) over travel, telescopic bottom mounted slides, with a 75 lb/pr (34 kg) load rating. Side mounted slides with a 200 lb (90 kg) per pair load rating.
         1. Finish: Clear zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Bottom Mounted Slide with Fold Down Front, Epoxy Coated: Cat. No. 423.48.xxx, 3/4 extension, bottom mounted slides, fold-down bottom bracket, self closing with a 66 lb (30 kg) load rating.

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

* + - * 1. Bracket for drawer fronts.

\*\* NOTE TO SPECIFIER \*\* Select finish require from the following two paragraphs. Delete paragraph not required.

* + - * 1. Finish: Hafele Cat. No. 423.48.340 black
        2. Finish: Hafele Cat. No. 423.48.740 white,

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Bottom Mounted Slide with Fold Down Front, Epoxy Coated: Cat. No. 423.49.740, 3/4 extension, bottom mounted slides, self closing with a 66 lb (30 kg) load rating.
         1. Finish: White.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with drawer length size.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Concealed Undermount Roller Bearing Slides, Frameless Mounted with Quik Adjust: Cat. No. 423.57.6xx, Full extension, non self closing, frameless mounted premium slides, with Quik Adjust and a 66 lb/pr (30 kg) load rating.
         1. Finish: Steel electro plated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
    1. Drawer Slides - Heavy Duty:
       1. Bottom Mounted, Epoxy Coated Slide: Cat. No. 423.38.3xx, nylon rollers, 3/4 extension, non self closing bottom mounted standard slides with a 100 lb (45 kg) load rating.
          1. Finish: Powder coated black.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Bottom Mounted, Epoxy Coated Slide: Cat. No. 423.38.1xx, nylon rollers, 3/4 extension, non self closing bottom mounted standard slides with a 100 lb (45 kg) load rating.
         1. Finish: Powder coated brown.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Bottom Mounted, Epoxy Coated Slide: Cat. No. 423.37.xxx, nylon rollers, 3/4 extension bottom mounted standard slides, self closing with a 100 lb (45 kg) load rating.

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

* + - * 1. Finish: Powder coated brown.
        2. Finish: Powder coated white.
        3. Finish: Powder coated beige.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Bottom Mounted, Epoxy Coated Slide: Cat. No. 423.37.7xx, nylon rollers, 3/4 extension bottom mounted standard slides, self closing with a 100 lb (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select color required from the following paragraph and delete those not required.

* + - * 1. Finish: Powder coated white.

\*\* NOTE TO SPECIFIER \*\* Select Drawer and/or cabinet paragraphs below and insert sizes required or select paragraph for Indication on the Drawings or Schedule and delete the paragraphs not required.

* + - * 1. Drawer:

Right Size: \_\_\_\_\_\_\_\_\_\_\_\_.

Left Size: \_\_\_\_\_\_\_\_\_\_\_\_.

* + - * 1. Cabinet

Right Size: \_\_\_\_\_\_\_\_\_\_\_\_.

Left Size: \_\_\_\_\_\_\_\_\_\_\_\_.

* + - * 1. Size: As indicated on Drawings.
        2. Size: As scheduled.
      1. Bottom Mounted, RV Locking, Epoxy Coated Slides: Cat. No. 423.87.7xx, nylon rollers, 3/4 extension, bottom mounted standard slides with a 55 lb (25 kg) load rating.
         1. Finish: Powder coated white.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Bottom Mounted, Epoxy Coated Slide: Cat. No. 423.75.4xx, nylon rollers, full extension, bottom mounted standard slides, self closing with a 88 lb (40 kg) load rating.
         1. Finish: Powder coated white.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Bottom Mounted, Epoxy Coated Slide: Cat. No. 423.46.7xx, nylon rollers, full extension, bottom mounted premium slides, self closing with a 150 lb (68 kg) load rating.
         1. Double Captive Type.
         2. Finish: Powder coated white.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.88.xxx, all ball bearing, full extension, side mounted premium slides, hold-in detent with a 100 lb (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish required and delete paragraphs not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.
        3. Finish: White epoxy.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.04.xxx, all ball bearing, full extension, telescoping side mounted premium slides, with a 100 lb (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc and white epoxy. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.
        3. Finish: White epoxy.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Weather Resistant Slide: Cat. No. 422.04.8xx, all ball bearing, full extension, telescoping side mounted premium slides, stainless steel ball bearings, with a 100 lb (45 kg) load rating.
         1. Finish: Steel zinc plated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.59.xxx, all ball bearing, full extension, telescoping side mounted premium slides, self-closing with a 100 lb (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc and white epoxy. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.
        3. Finish: White epoxy.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.91.xxx, all ball bearing, full extension, telescoping, side mounted premium slides, detent-out with a 100 lb (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc and white epoxy. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.
        3. Finish: White epoxy.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.97.xxx, all ball bearing, full extension, telescoping, side mounted premium slides, self closing with a 100 lb (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc and white epoxy. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.
        3. Finish: White epoxy.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.16.xxx, all ball bearing, full extension with 1 inch (25 mm) overtravel, telescoping, side mounted premium slides, with a 90 lb (41 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.86.xxx, all ball bearing, full extension with 1 inch (25 mm) overtravel, telescoping, side mounted premium slides, self closing with a 90 lb (41 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc and white epoxy. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.
        3. Finish: White epoxy.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.89.xxx, all ball bearing, full extension with 1 inch (25 mm) overtravel, side mounted premium slides, with a 150 lb (68 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.29.xxx, all ball bearing, full extension, progressive, side mounted premium slides, with a 100 lb (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Stainless Steel Slide, Side Mounted: Cat. No. 420.43.0xx, all ball bearing, stainless steel, full extension, side mounted premium slides, with a 115 lb (52 kg) to 87 lb (40 kg) load rating.
         1. Finish: Stainless steel, passivated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.93.xxx, all ball bearing, full extension with 1 inch (25 mm) over travel, progressive side mounted premium slides, hold-in detent, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.06.xxx, all ball bearing, full extension with 1 inch (25 mm) over travel, telescopic side mounted premium slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side or Bottom Mounted Slide: Cat. No. 422.07.xxx, all ball bearing, full extension with 1 inch (25 mm) over travel, telescopic side mounted premium slides, with a 200 lb/pr (90 kg) load rating. Bottom mounted premium slides, with a 75 lb/pr (34 kg) l load rating.
         1. Finish: Zinc plated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Extra Heavy Duty Side/Bottom Mounted Slide: Cat. No. 422.10.9xx, all ball bearing mount, full extension side/bottom mounted premium slides, with a maximum load rating as follows.

\*\* NOTE TO SPECIFIER \*\* Select required use application from the following 4 paragraphs and delete the paragraphs not required.

* + - * 1. Moderate Use Applications: 500 lb/pr (227 kg) load rating.
        2. Frequent Use Applications: 400 lb/pr (182 kg) load rating.
        3. Mobile (Vehicular) Applications: 300 lb/pr (136 kg) load rating.
        4. Flat Mount Applications: 150 lb/pr (68 kg) load rating.
        5. Finish: Clear zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 422.17.xxx, all ball bearing, full extension with 1-1/2 inch (38 mm) over travel, progressive side mounted premium slides, hold-in detent, with a 150 lb/pr (68 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Manufacturers standard finish is Clear Zinc optional finish is Black Zinc. Delete paragraph not required.

* + - * 1. Finish: Clear zinc.
        2. Finish: Black zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Extra Heavy Duty Side/Bottom Mounted Slide: Cat. No. 422.64.xxx, all ball bearing, full extension side/bottom mounted premium slides, with a maximum load rating as follows.

\*\* NOTE TO SPECIFIER \*\* Select required use application from the following 4 paragraphs and delete the paragraphs not required.

* + - * 1. Moderate Use Applications: 500 lb/pr (227 kg) load rating.
        2. Frequent Use Applications: 400 lb/pr (182 kg) load rating.
        3. Mobile (Vehicular) Applications: 300 lb/pr (136 kg) load rating.
        4. Flat Mount Applications: 150 lb/pr (68 kg) load rating.
        5. Finish: Clear zinc.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Side Mounted Slide: Cat. No. 420.86.967, all ball bearing, full extension, self closing, side mounted premium slides, with a 175 lb/pr (80 kg) load rating.
         1. Finish: Zinc plated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with drawer length size.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Top/Bottom Mounted Slide: Cat. No. 420.86.968, all ball bearing top/bottom mount, full extension, self closing premium slides, with a 175 lb/pr (80 kg) load rating.
         1. Finish: Zinc plated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with drawer length size.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Base Mounted Slide: Cat. No. 422.08.xxx, all ball bearing base mount premium slide, full extension with 7/8 inch (22 mm) over travel, hold-in detent, with a 130 lb/pr (60 kg) load rating.
         1. Finish: Zinc plated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Interlocking Drawer System Side Mounted Slide: Cat. No. 422.45.9xx, all ball bearing, full extension with overtravel, side mounted premium slides, with a 180 lb/pr (82 kg) load rating.
         1. Finish: Zinc plated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 558.51.xxx, Metal Box System, 2 inch (54 mm) height, 3/4 extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 558.50.xxx, Metal Box System 3-1/4 inch (86 mm) height, 3/4 extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 558.54.xxx, Metal Box System 4-1/2 inch (118 mm) height, 3/4 extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 558.55.xxx, Metal Box System 6 inch (150 mm) height, 3/4 extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 554.45.xxx, Metal Box System 8 inch (210 mm) height, 3/4 extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 554.40.xxx, Metal Box System 2 inch (54 mm) height, full extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 554.41.xxx, Metal Box System 3-1/4 inch (86 mm) height, full extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 554.42.xxx, Metal Box System 4-1/2 inch (118 mm) height, full extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Epoxy, Metal Box System, Bottom Mounted Slide: Cat. No. 554.43.xxx, Metal Box System 6 inch (150 mm) height, full extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Metal Box System, Bottom Mounted Slide: Cat. No. 554.44.xxx, Metal Box System 8 inch (210 mm) height, full extension, self closing, bottom mounted slides, with a 100 lb/pr (45 kg) load rating.

\*\* NOTE TO SPECIFIER \*\* Select finish color required and delete paragraph not required.

* + - * 1. Finish: Steel epoxy coated Silver.
        2. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Front Fixing Bracket: Screw on version.
        2. Front Fixing Bracket: Doweled-on version.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Concealed Undermount Epoxy Slides, Frameless Mounted: Cat. No. 423.80.6xx, 3/4 extension, self closing, frameless mounted standard slides, with a 100 lb/pr (45 kg) load rating.
         1. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Concealed Undermount Epoxy Slides, Frame Mounted: Cat. No. 423.80.7xx, 3/4 extension, self closing, frame mounted standard slides, with a 100 lb/pr (45 kg) load rating.
         1. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Select front fixing bracket required and delete paragraph not required.

* + - * 1. Screw on version brackets.
        2. Doweled-on version brackets.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Concealed Undermount Epoxy Slides, Horizontal Mounted: Cat. No. 423.83.7xx, 3/4 extension, self closing, horizontal mounted standard slides, with a 100 lb/pr (45 kg) load rating.
         1. Finish: Steel epoxy coated White.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
      1. Rack and Pinion Drawer Slides: Cat. No. 420.90.995, Full extension, self closing, bottom mounted slides, with a 200 lb/pr (90 kg) load rating.
         1. Finish: Steel, zinc black plated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with drawer length size.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
    1. Heavy Duty Pull-Out Slides:
       1. Display Panel Pull-Out, Top Mounted Slide: Cat. No. 421.53.xxx, all ball bearing, full extension with overtravel, top mounted slides, with a maximum load rating as follows.

\*\* NOTE TO SPECIFIER \*\* Select required use application from the following 4 paragraphs and delete the paragraphs not required.

* + - * 1. Installed Length 19.68 inches (500 mm): 110 lbs (50 kg) load rating.
        2. Installed Length 27.56 inches (700 mm): 88 lbs (40 kg) load rating.
        3. Installed Length 35.43 inches (900 mm): 66 lbs (30 kg) load rating.
        4. Installed Length 39.37 inches (1000 mm): 66 lbs (30 kg) load rating.
        5. Finish: Brown Powder Coated.

\*\* NOTE TO SPECIFIER \*\* Delete two of the following three paragraphs. If first paragraph selected fill in blank with size and catalog number reference.

* + - * 1. Size: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Size: As indicated on Drawings.
        3. Size: As scheduled.
    1. Accessories:
       1. Epoxy Slide Rear Mounting Bracket: Plastic with natural finish. Cat. No. 421.86.920 to be used with self closing slides.
       2. Epoxy Slide Adjustable Bracket: ABS plastic with natural finish. Cat. No. 423.37.000 to be used with self closing slides.
       3. Epoxy Slide Distance Spacers: Plastic with white finish. Cat. No. 037.93.xxx.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until cabinets have been properly prepared and finishes have dried.
      2. If cabinet 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 substrates carefully, using templates provided by manufacturer.
      3. Prepare hardware for installation using the methods recommended by the manufacturer.
   3. INSTALLATION
      1. Install cabinet hardware in strict accordance with manufacturer's instructions, using tools and hardware provided by or approved by manufacturer.
   4. ADJUSTMENT
      1. After cabinets have been installed in final location, make final adjustments in cabinet hardware to assure proper alignment and smooth operation.
      2. Repair or replace cabinet hardware items damaged during installation.
   5. PROTECTION
      1. Protect installed products until completion of project.
      2. Properly mask or otherwise protect installed slides before finishing furniture and cabinetry
      3. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION