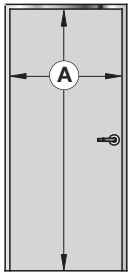


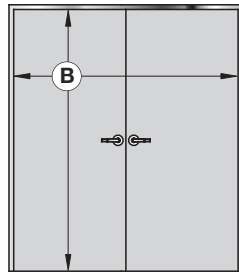
## Custom 487 Series Aluminum Frame and Door Quote/Order Request Form

### STEP 1 MEASURE

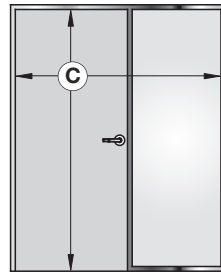
#### ROUGH OPENING CALCULATIONS



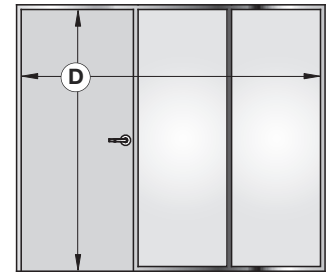
Door Frame



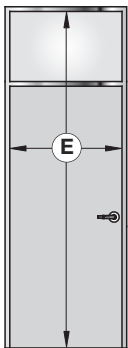
Double Door Frame



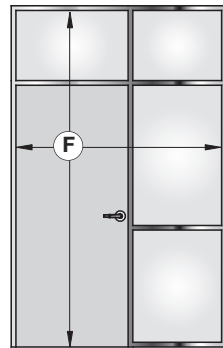
Door w/Sidelite



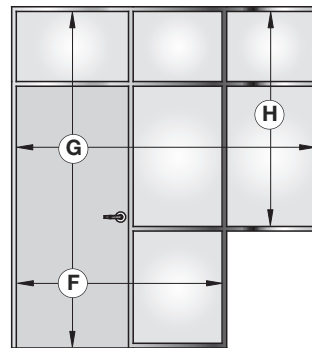
Door w/Two Sidelites



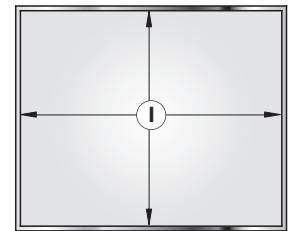
Transom Frame



Transom Frame w/Sidelite



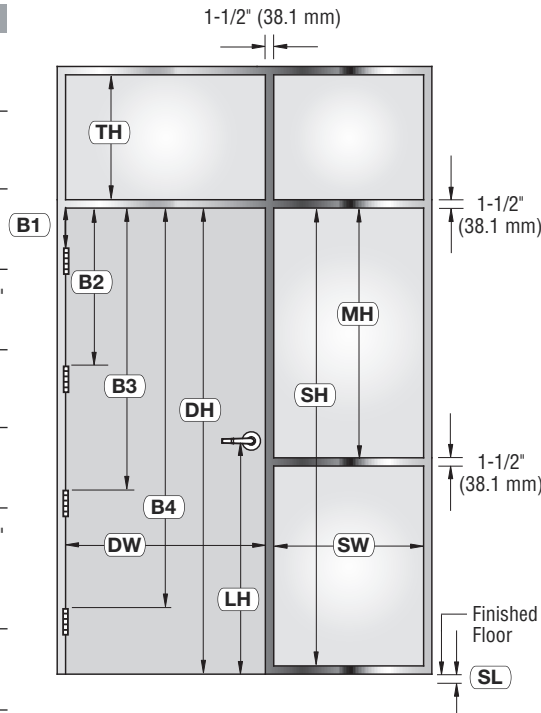
Transom Frame w/Two Sidelites



Vision Lite

#### ROUGH OPENING FORMULAS

- A** Width =  $\text{DW} + 1\text{'}/2\text{'}$   
Height =  $\text{DH} + 3/4\text{'}$
- B** Width =  $\text{DW} + 1\text{'}/2\text{'}$   
Height =  $\text{DH} + 3/4\text{'}$
- C** Width =  $\text{DW} + 1\text{'}/2\text{'}$  +  $\text{SW} + 1\text{'}/2\text{'}$   
Height =  $\text{DH} + 3/4\text{'}$
- D** Width =  $\text{DW} + 1\text{'}/2\text{'}$  +  $\text{SW} + 1\text{'}/2\text{'}$  +  $\text{SW} + 1\text{'}/2\text{'}$   
Height =  $\text{DH} + 3/4\text{'}$
- E** Width =  $\text{DW} + 1\text{'}/2\text{'}$   
Height =  $\text{DH} + 1\text{'}/2\text{'}$  +  $\text{TH} + 3/4\text{'}$
- F** Width =  $\text{DW} + 1\text{'}/2\text{'}$  +  $\text{SW} + 1\text{'}/2\text{'}$   
Height =  $\text{DH} + 1\text{'}/2\text{'}$  +  $\text{TH} + 3/4\text{'}$
- G** Width =  $\text{DW} + 1\text{'}/2\text{'}$  +  $\text{SW} + 1\text{'}/2\text{'}$  +  $\text{SW} + 1\text{'}/2\text{'}$   
Height =  $\text{DH} + 1\text{'}/2\text{'}$  +  $\text{TH} + 3/4\text{'}$
- H** Height =  $\text{SH} + 1\text{'}/2\text{'}$  +  $\text{TH} + 1\text{'}/4\text{'}$
- I** Width =  $\text{SW} + 1\text{'}/2\text{'}$   
Height =  $\text{SH} + 1\text{'}/4\text{'}$



#### KEY

- DW** Door Opening Width  
**DH** Door Opening Height  
**SW** Sidelite Width (D.L.O.)  
**SH** Sidelite Height (D.L.O.)  
**LH** Lever Height (Center Line)  
**SL** Scribe Length  
**MH** Mullion Height (D.L.O.)  
**TH** Transom Height (D.L.O.)  
**B1** Hinge 1 Location  
**B2** Hinge 2 Location  
**B3** Hinge 3 Location  
**B4** Hinge 4 Location
- NOTE:** Doors under 84" (2134 mm) tall require three butt hinges. Doors 84" (2134 mm) tall and over require four butt hinges.

## Custom 487 Series Aluminum Frame and Door Quote/Order Request Form

Fax Completed Checklist to U.S. Aluminum Technical Sales at (866) 262-3299. Then call to discuss: (800) 262-5151 (U.S.), (877) 421-6144 (Canada), or (323) 588-1281 (International). Ask for Extension 5305. This form is also available online at [usalum.com](http://usalum.com).

Company Name \_\_\_\_\_

Phone # \_\_\_\_\_

Contact \_\_\_\_\_

Fax # \_\_\_\_\_

Job Name \_\_\_\_\_

Email \_\_\_\_\_

When you are ready to order, utilize this form to assist you in covering the details required to complete a Custom 487 Series Aluminum Frame installation. Going through this exercise should prevent you from overlooking any details related to your installation.

**IMPORTANT:** Depending on the complexity of your project, one or more of the following may be required to accurately order: sketches or drawings of your particular application with dimensions; printed architectural drawings or CAD files; photos of job site conditions (digital images are preferable). **NOTE:** A final sign off is required prior to any custom fabrication.

## STEP 2 FRAME SELECTION

### FRAME TYPE

- ☐ Up/Over Frame (No Sidelites)  
☐ Frame With Sidelite  
     ☐ Left of Door from Push Side  
     ☐ Right of Door from Push Side  
☐ Transom Frame  
☐ Transom Frame With Sidelite  
     ☐ Left of Door from Push Side  
     ☐ Right of Door from Push Side  
☐ Custom (Supply Drawings)

### FRAME FINISH

- ☐ Clear Anodized  
☐ Bronze Anodized  
☐ Black Anodized  
☐ Painted (Specify) \_\_\_\_\_

### BUTT HINGES (See Page 133X)

- ☐ BB10A                      Satin Chrome Removable Pin  
☐ BB10BRZ                  Bronze Removable Pin  
☐ BB15NRPA                Satin Chrome Non-Removable Pin  
☐ BB15NRPBRZ            Bronze Non-Removable Pin  
☐ By Others (Must Specify) \_\_\_\_\_

### BUTT HINGE LOCATIONS

- ☐ CRL Standard Hinge Locations  
☐ Custom Hinge Locations (Specify Below)  
     (B1) \_\_\_\_\_ (B3) \_\_\_\_\_  
     (B2) \_\_\_\_\_ (B4) \_\_\_\_\_

### FRAME INFORMATION (See Page 130X for Formulas)

- Door Opening Width **(DW)** \_\_\_\_\_  
 Door Opening Height **(DH)** \_\_\_\_\_  
 Sidelite Width **(SW)** \_\_\_\_\_ QTY. \_\_\_\_\_  
 Sidelite Height **(SH)** \_\_\_\_\_  
 Transom Height **(TH)** \_\_\_\_\_  
 Mullion Height **(MH)** \_\_\_\_\_  
 Scribe Length **(SL)** \_\_\_\_\_  
☐ Standard 1-5/8" (41.3 mm)  
☐ Custom \_\_\_\_\_

## STEP 3 DOOR SELECTION

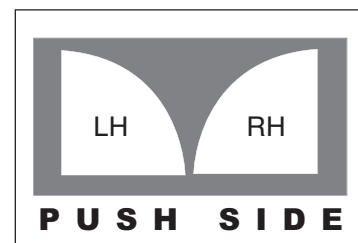
### DOOR SWING

QTY.

- ☐ Push Side Hinges On Left \_\_\_\_\_ ea.  
☐ Push Side Hinges On Right \_\_\_\_\_ ea.

Handing of doors is determined from the "PUSH" side. A single door with hinges on the left from the PUSH side is a Left Hand (LH) Door. A single door with hinges on the right from the PUSH side is a Right Hand (RH) Door. Paired doors always consist of one LH and one RH door.

### DOOR SWING CHART



## Custom 487 Series Aluminum Frame and Door Quote/Order Request Form

### STEP 3 DOOR SELECTION CONTINUED

#### DOOR TYPE

- ☐ 550 Series Wide Stile Aluminum  
☐ Wood Flush  
☐ By Others \_\_\_\_\_

#### DOOR OPENING SIZE \*

- ☐ 36" x 84" (914 x 2134 mm) Single  
☐ 36" x 96" (914 x 2432 mm) Single  
☐ 36" x 108" (914 x 2743 mm) Single  
☐ 48" x 84" (1219 x 2134 mm) Single  
☐ 48" x 96" (1219 x 2432 mm) Single  
☐ 48" x 108" (1219 x 2743 mm) Single  
☐ 72" x 84" (1829 x 2134 mm) Pair  
☐ 72" x 96" (1829 x 2438 mm) Pair  
☐ 72" x 108" (1829 x 2743 mm) Pair  
☐ 96" x 96" (2438 x 2438 mm) Pair  
☐ Other (Specify) \_\_\_\_\_

\* Door Bottom Clearance

- ☐ Standard 5/16" (8 mm)  
☐ Other (Specify) \_\_\_\_\_

#### CYLINDRICAL LEVER LOCKS (See Pages 139X-141X)

- ☐ Entrance ☐ Grade 1 ☐ Grade 2  
☐ Showroom ☐ Grade 1 ☐ Grade 2  
☐ Passage ☐ Grade 1 ☐ Grade 2  
☐ Privacy ☐ Grade 1 ☐ Grade 2  
☐ Specify Finish \_\_\_\_\_  
☐ By Others (Specify) \_\_\_\_\_  
☐ None

#### MORTISE LEVER LOCK (See Page 138X)

- ☐ ML9453 Mortise (Satin Chrome Finish)  
☐ By Others (Specify) \_\_\_\_\_  
☐ None

#### LEVER HEIGHT

- ☐ CRL Standard Lever Location  
☐ Custom Lever Height (Specify) \_\_\_\_\_

#### PANIC DEVICES (See Pages 144X-147X)

- ☐ CRL 10 Series Rim  
☐ CRL 10 Series Concealed  
☐ CRL 12 Series Rim  
☐ CRL 12 Series Concealed  
☐ CRL 20 Series Rim  
☐ CRL 20 Series Concealed  
     Cat. No. \_\_\_\_\_  
☐ By Others (Specify) \_\_\_\_\_  
☐ None

#### SURFACE MOUNT DOOR CLOSER (See Pages 134X-135X)

- ☐ CRL PR70  
     Cat. No. \_\_\_\_\_  
☐ Regular Projecting Arm  
☐ Parallel Arm  
☐ By Others  
☐ None

## 550 Series Wide Stile Aluminum Doors (See Pages 123X-126X)

#### DOOR FINISH

- ☐ Clear Anodized  
☐ Dark Bronze Anodized  
☐ Black Anodized  
☐ Painted (Specify) \_\_\_\_\_

#### BOTTOM RAIL

- ☐ Standard 6-1/2" (165 mm)  
☐ 7-1/2" (191 mm)  
☐ 9-1/2" (241 mm) A.D.A.  
☐ Custom \_\_\_\_\_

#### GLASS STOPS (See Page 126X)

- ☐ Square for 1/4" (6 mm) Glass  
☐ Beveled for 1/4" (6 mm) Glass  
☐ For 1" (25 mm) Glass

#### FLUSH BOLTS FOR PAIRS (See Page 142X)

- ☐ Yes  
     ☐ Cat. No. DL2210A18 Aluminum  
     ☐ Cat. No. DL2210DU18 Bronze  
☐ No

#### DOOR MUNTINS (See Page 126X)

- ☐ 5/8" (16 mm)  
☐ 2" (51 mm)  
☐ 5" (127 mm)  
☐ 6-3/16" (157 mm)  
☐ 6-1/2" (165 mm)  
☐ 9-1/2" (241 mm)  
☐ None