



## Balanced Doors



## Stanley Rush Balanced Doors

- Heavy duty balanced door arms and shaft match door finish
- Pivot points use self-aligning ball and needle combination bearings
- Full perimeter framing (Series 2000) or frameless (Series 3000 exposed shaft) designs
- Custom push/pull handles



**IDEAL FOR APPLICATIONS WHERE WIND PRESSURE OR BUILDING  
STACK EFFECT OCCURS**

- Heavy duty door extrusions and corner connections
- Tempered glass doors
- Speciality finishes, including many cladding options
- Custom sizes, door rails and stiles available



### **STANLEY Rush Products Group**

65 Riviera Drive  
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(T) 905-944-8005  
(F) 905-944-8006

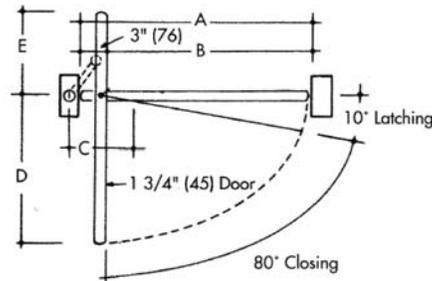
StanleyRush@sbdinc.com  
[www.stanleyrush.com](http://www.stanleyrush.com)

## Stanley Rush Balanced Doors

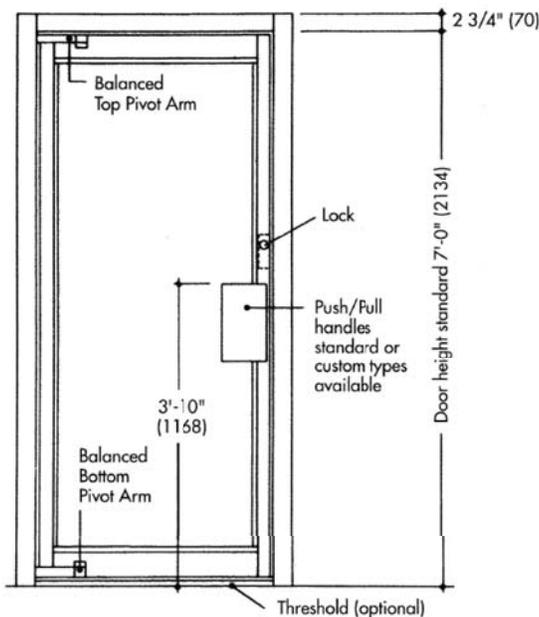
### Options:

- All glass door design
- Narrow, medium or wide stiles
- Specialty hardware and locking devices
- Stainless steel cladding or other specialty metals
- Paint finishes also available
- Custom dimensions available in many sizes
- Transom and sidelite options available
- Magic force automatic operator (overhead concealed in 6 inch headers)
- Hold open slide bolts

### Options:



### Elevation:



Standard Door Dimensions				
Door Opening Width - A	Clear Opening Width - B	Balance Arm Length - C	Projection Dimensions D E	
* + 3' - 0" (914)	2' - 9" (838)	8" (203)	1' - 10" (559)	1' - 2" (356)
* 3' - 6" (1067)	3' - 3" (991)	8" (203)	2' - 4" (711)	1' - 2" (356)

Custom Dimensions are available in almost any size.

\* Denotes standard size doors in 7'-0" (2134) height. All other sizes and heights are custom fabricated and finished to suit specific job requirements.

+ minimum width



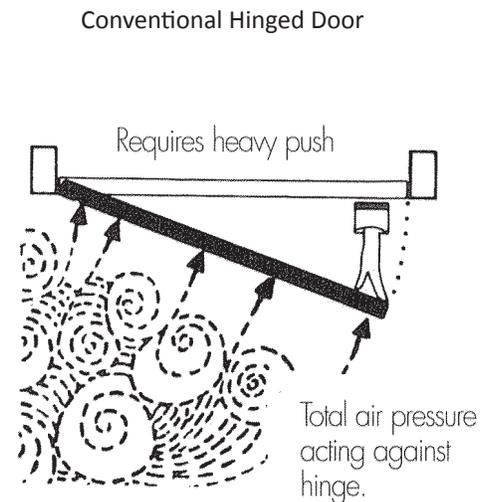
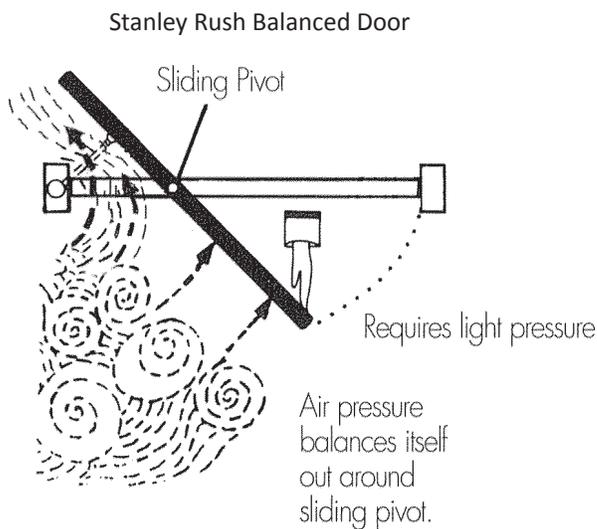
### STANLEY Rush Products Group

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## Balanced Doors

Designed on the fulcrum principle, balanced doors assist opening in specific site circumstances of wind tunnel or stack effect. The design uses the differential of interior and exterior air pressure to facilitate opening of the door. The design features a sliding pivot located at the third point in the door header. The imposed forces, whether wind or stack draft suction are balanced on each side of the pivot in a 'see-saw' fashion. The imposed load on one side tends to open the door, while the load on the opposite side forces the door closed. Less force or strength is required to open the door and the movement is well controlled.



### Features

- All manufactured parts are by Stanley Rush
- Door closer concealed overhead
- Pivot points in arms and door points are self-aligning ball and needle combination bearings
- Door bumper spring loaded in track
- Tempered glass doors
- Heavy extruded corner and bearing bracket
- Snap on covers with no visible screws

### Options

- Check with Stanley Rush for any special hardware requirements for coordination with balanced hardware
- Automatic operation closer for the handicapped

## Explanation of Balanced Door Series

When specifying balanced doors, the first two digits represent the frame type and the last two digits represent the door type.

### Framing

**2000 Series:** Conventional 2 ¾" x 5" framing with snap-on cover plate to eliminate exposed fasteners

**3000 Series:** Exposed 2" diameter hinge shaft with conventional header results in a maximum glass design

### Doors

**10 Series:** Wide stile, ¼" tempered glass required

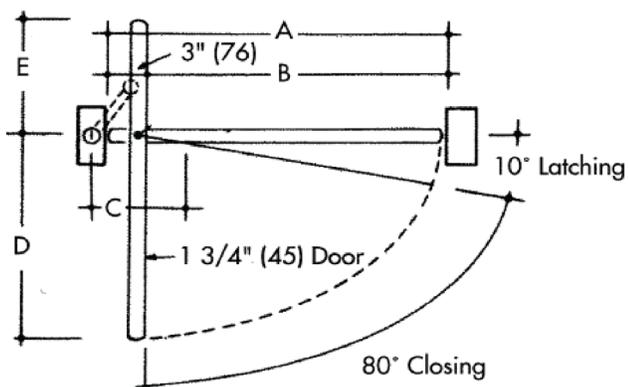
**30 Series:** Narrow stile, ½" tempered glass required

**40 Series:** Medium stile, ½" tempered glass required

**60 Series:** Top and bottom rails only – all glass look, ½" tempered glass required

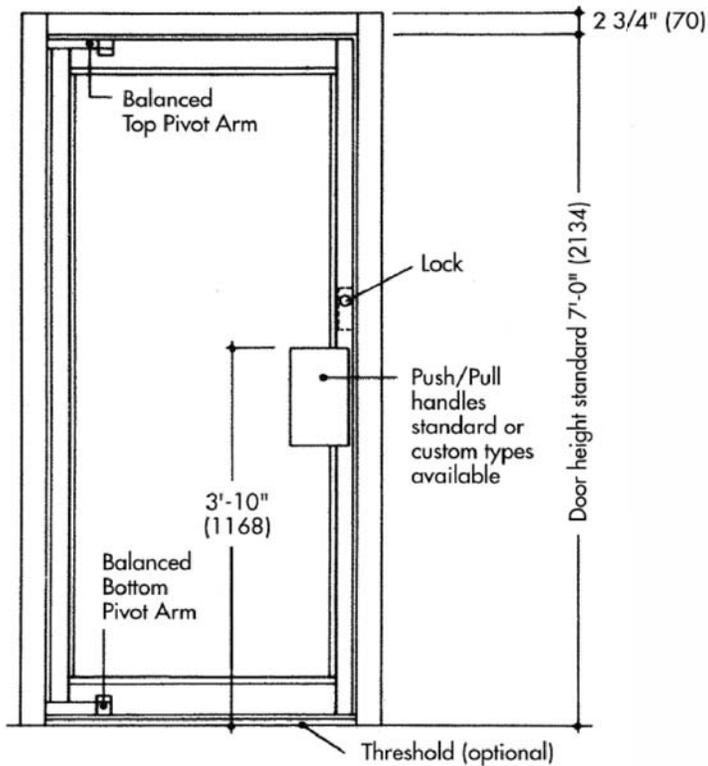
## Choosing a Balanced Door

### Plan





Elevation



### Standard Door Dimensions

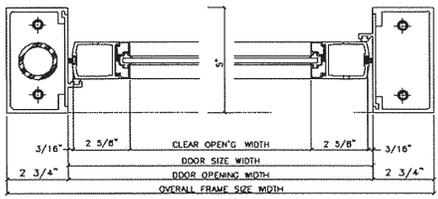
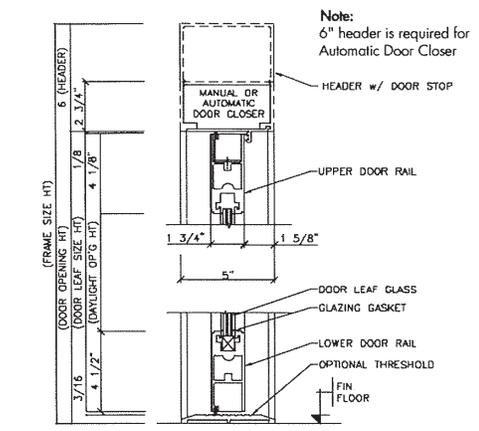
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*+3' - 0" (914)	2' - 9" (838)	8" (203)	1' - 10" (559)	1' - 2" (356)
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### Custom Dimensions are available in almost any size

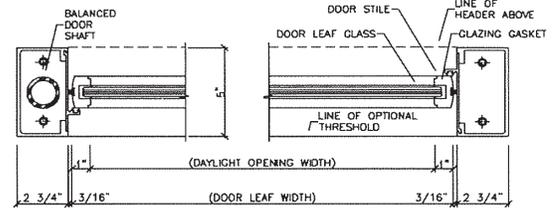
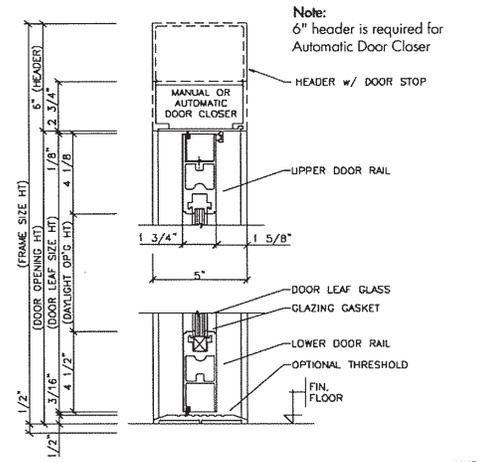
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+ minimum width

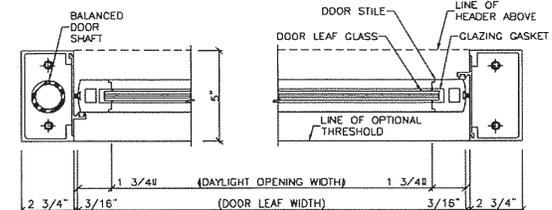
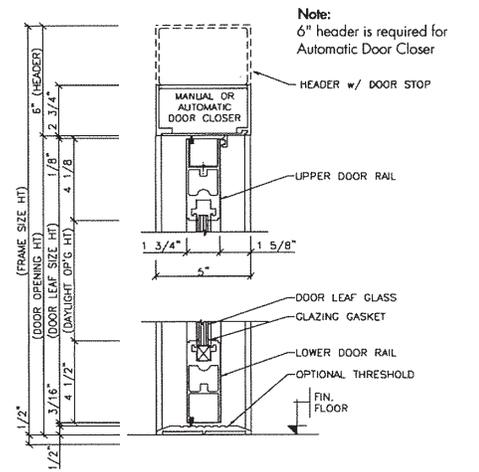
# 2000 Series Balanced Doors



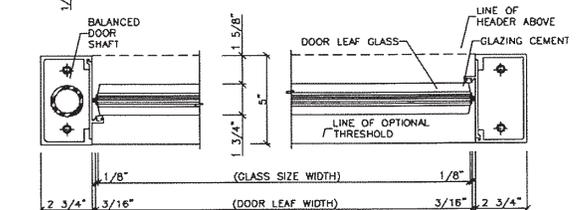
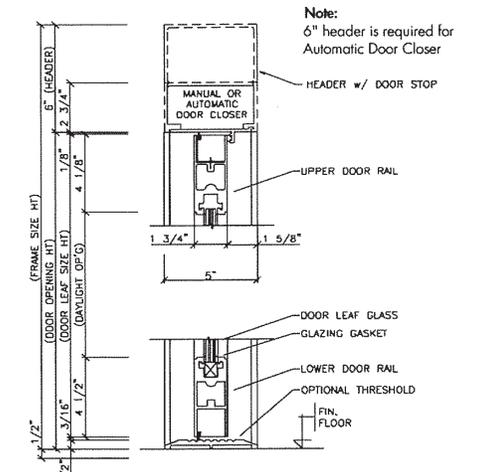
BAL 2010



BAL 2030

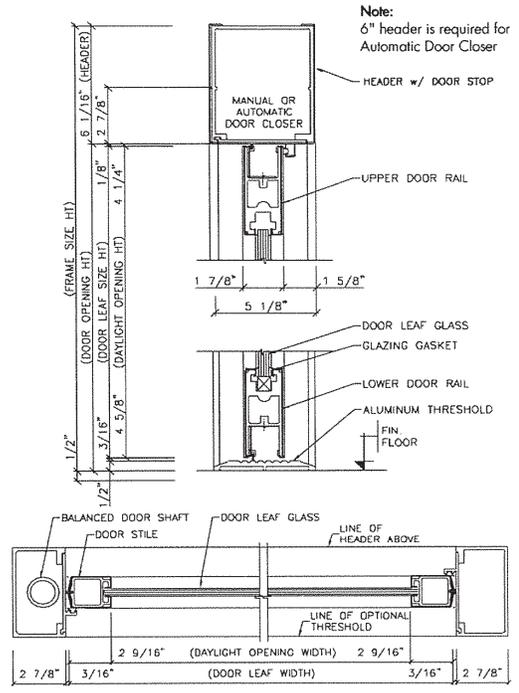


BAL 2040

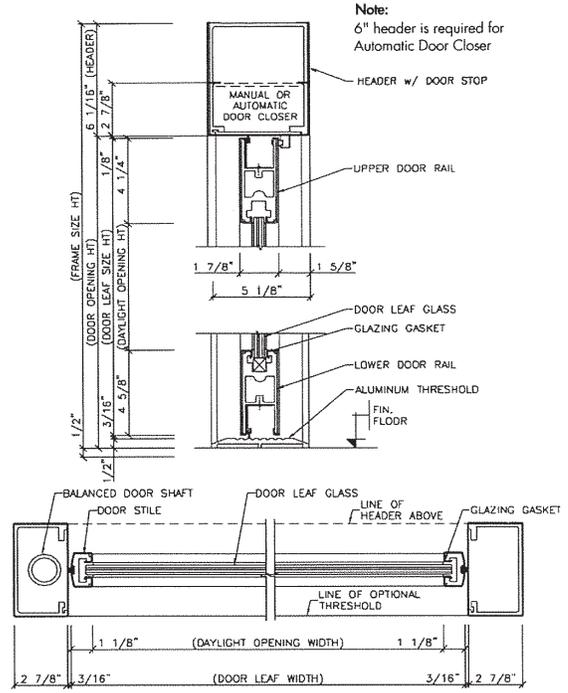


BAL 2060

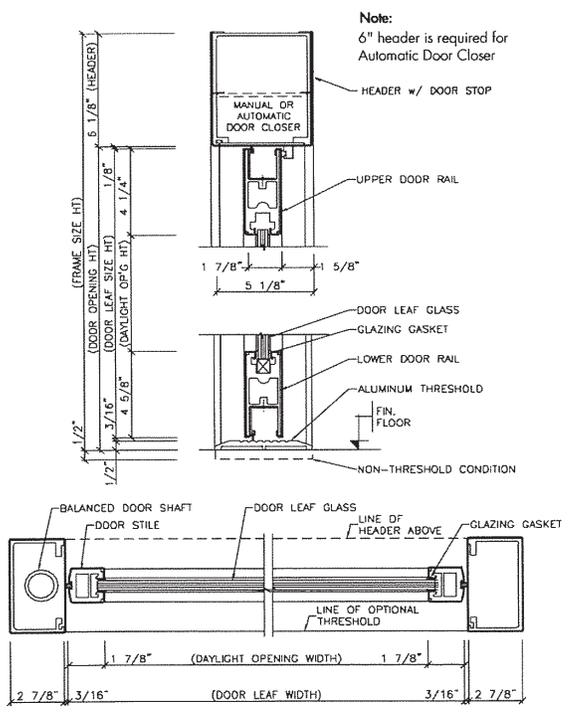
## 2000 Series Clad Balanced Doors



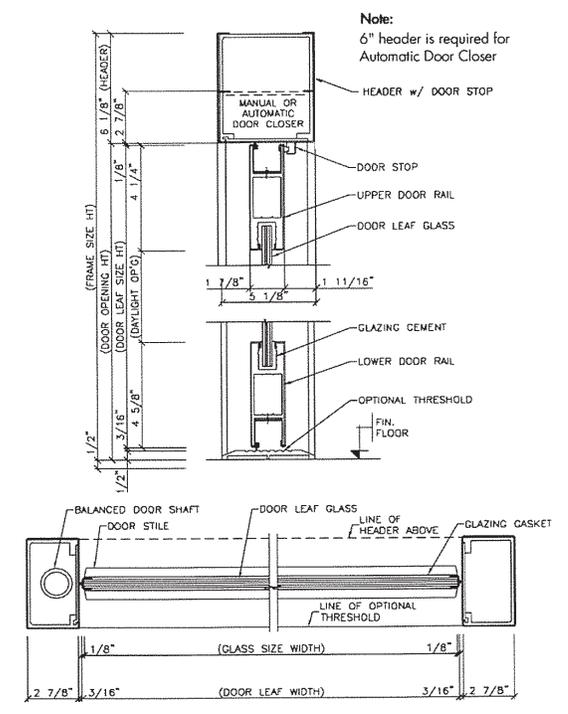
BCL 2010



BCL 2030

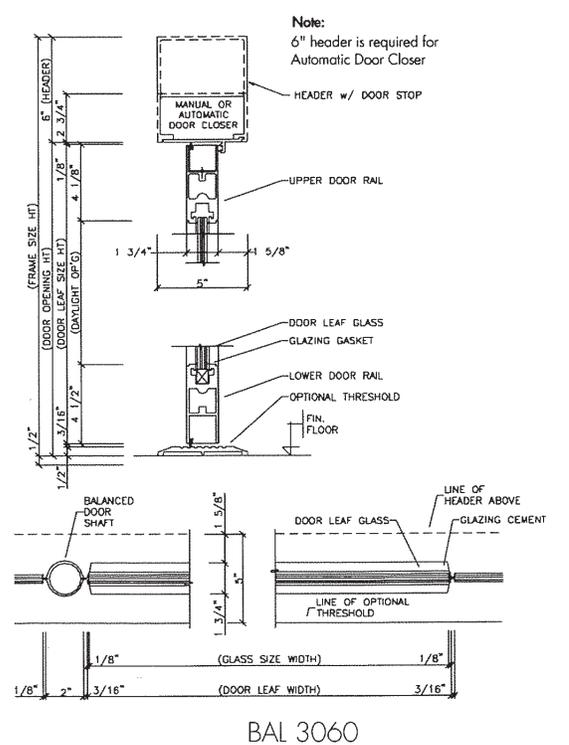
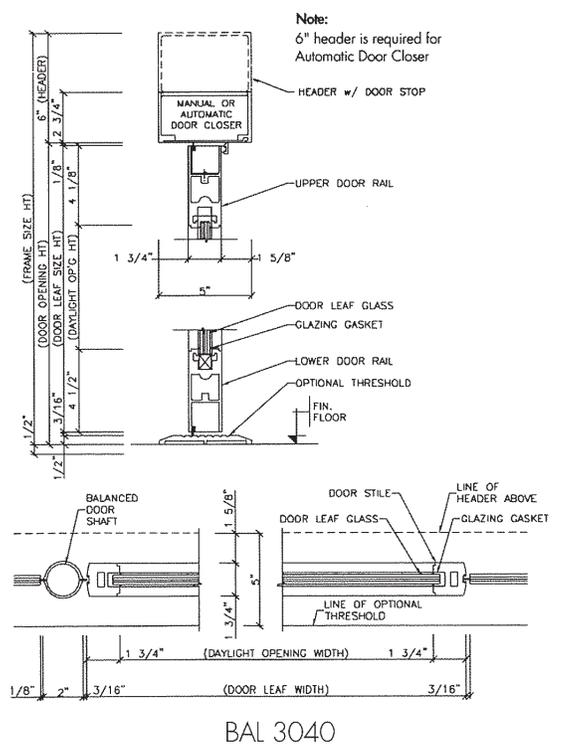
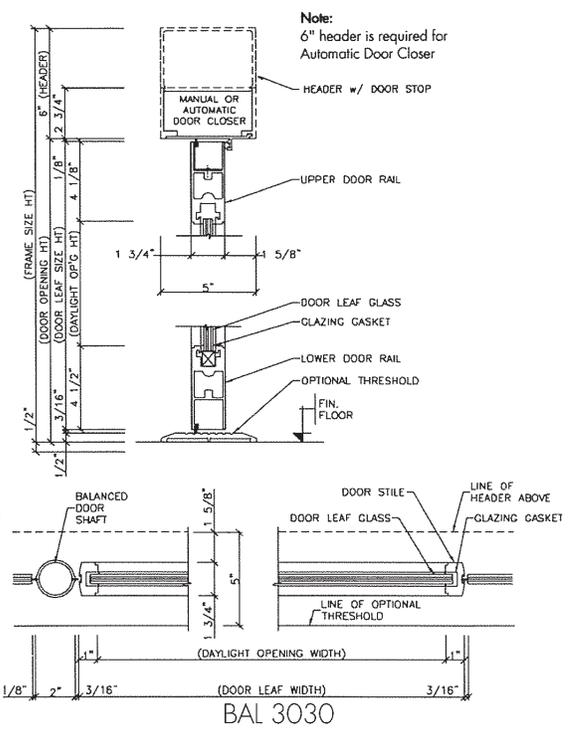
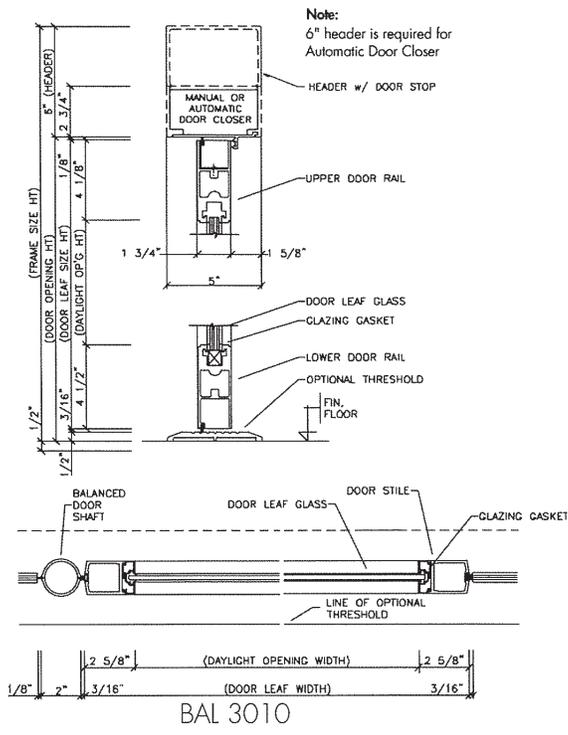


BCL 2040

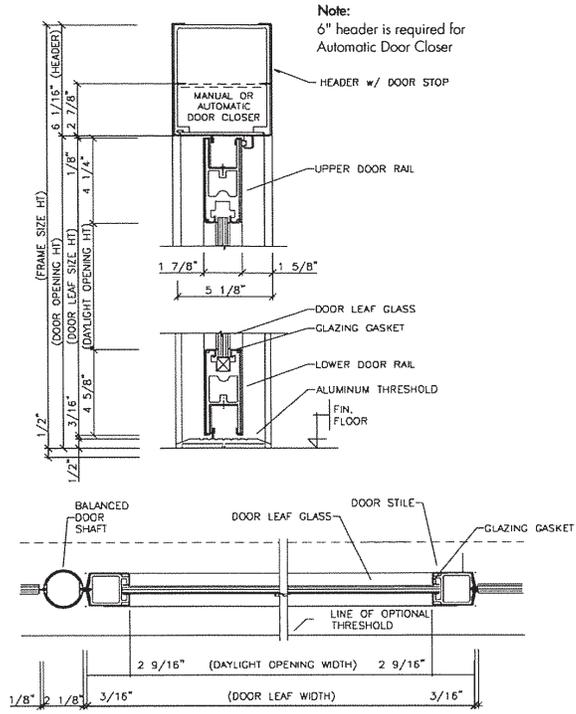


BCL 2060

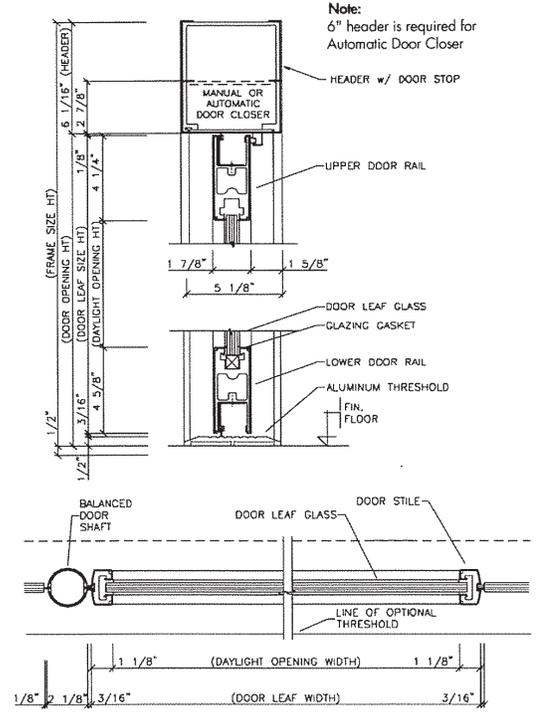
# 3000 Series Balanced Doors



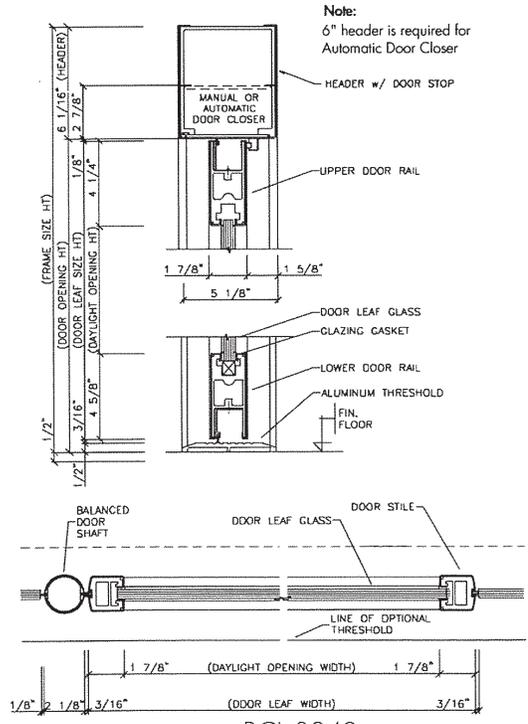
# 3000 Series Clad Balanced Doors



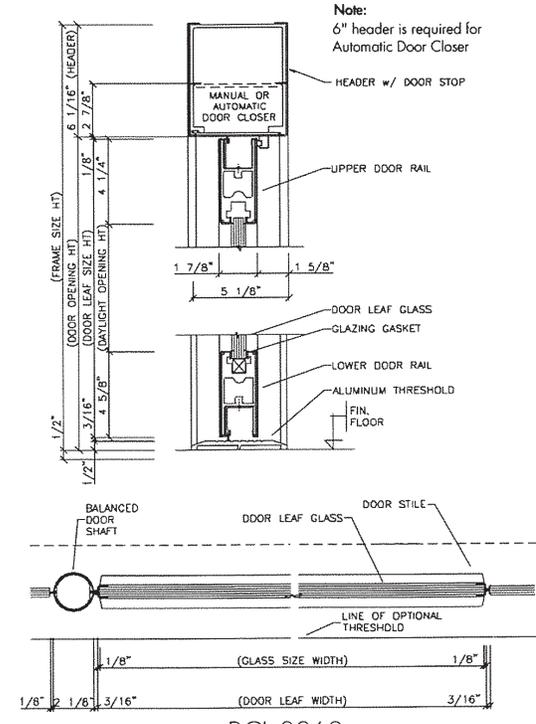
BCL 3010



BCL 3030



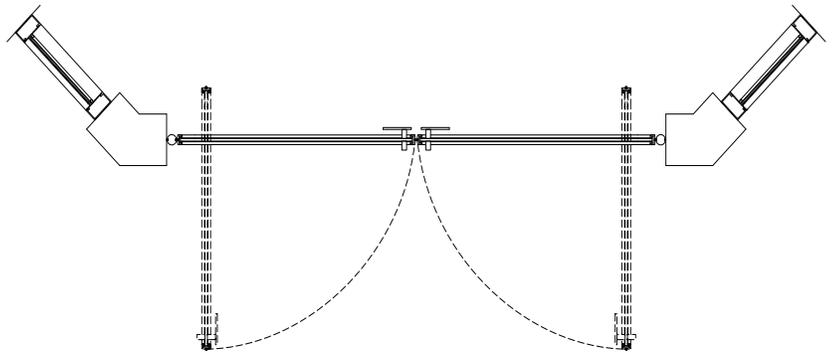
BCL 3040



BCL 3060



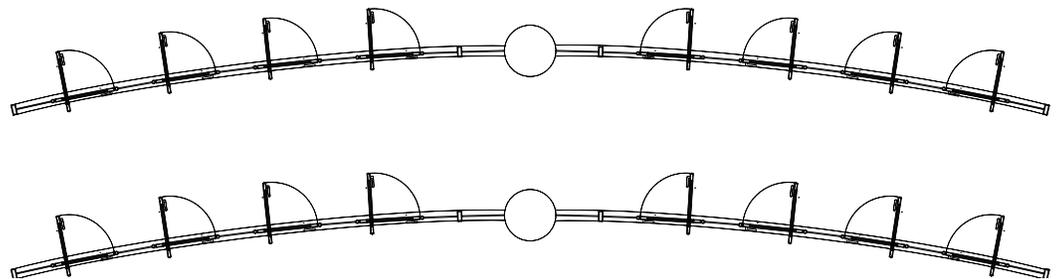
#3010 Series Balanced Door  
Transom  
Custom Hand Pulls  
Stainless Steel Mirror Finish





*Arthur Erickson, Architect*

#3010 Series Curved Balanced Doors  
Mirror Finish Stainless Steel

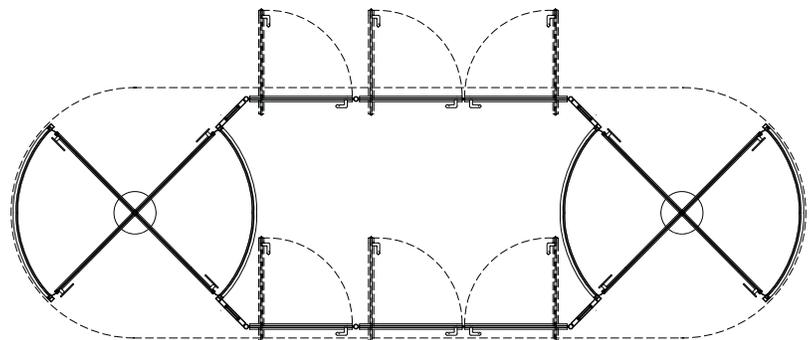




*Smith Sveda Koyanagi*

#3500 Series Revolving Door  
#2030 & 3030 Series Balanced Doors

Complete with vestibule  
Finished in Medium Bronze  
Anodized Aluminum

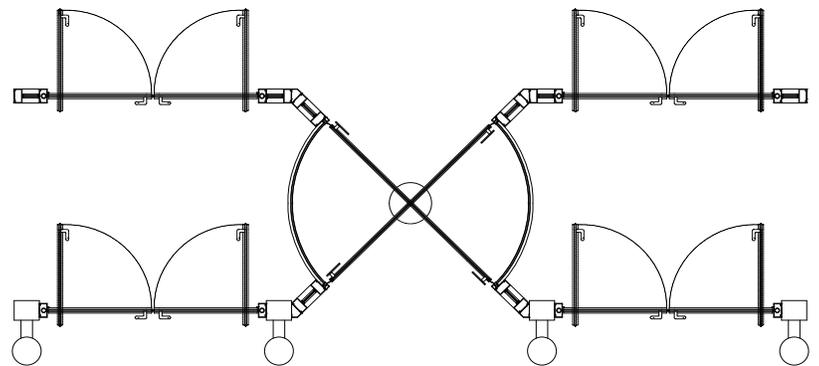




*Crang and Boake Architects*

#3500 Series Revolving Door  
#2030 & 3030 Series Balanced Doors

Complete with vestibule  
Finished in Medium Bronze  
Anodized Aluminum





*Clifford Laurie Architects*

#3500 Series Revolving Door  
#3060 Series Balanced Doors

Curved vestibule and canopy and  
columns. Finished in #40 Medium  
Bronze Anodized Aluminum

