

U.S. ALUMINUM BLAST RESISTANT STOREFRONT

SERIES BR604 SYSTEM

BLAST RESISTANT STOREFRONT SERIES BR604

SYSTEMS SPECIFICATIONS

SPECIAL FEATURES:

- * U.S. Aluminum Blast Mitigation Systems are engineered and successfully tested to withstand explosions from pressure levels of one to six pounds per square inch.
- * BR604 & BR606 are Blast Resistant Storefront Systems engineered and successfully tested to withstand blast pressures mentioned above. These unique Storefront systems utilize our Storm Front Entrance as well as: screw spline panel assembly and erection, insulating and laminated glass siliconed in place, high performance subsill, and steel reinforced mullions. Made in U.S.A.
- * A Low Profile Air Resistant Threshold is offered for installations that have soffit overhangs greater than the entrance frame height. High Performance Water Resistant Thresholds are offered to provide superior water and air management, along with ramps to meet A.D.A. requirements.

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SERIES	BLAST LOAD	FACE WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD
BR604	4.4 PSI	2-1/2" (63.5)	5" (127)	1-5/16" (33)	Exterior

STANDARD ABBREVIATIONS

- RO ROUGH OPENING
- FD FRAME DIMENSION
- DLO DAYLIGHT OPENING
- DO DOOR OPENING
- DD DOOR DIMENSION
- SMC SURFACE MOUNTED CLOSER
- OHCC OVERHEAD CONCEALED CLOSER

GLAZING FOR BR604

Glazing 4.4 psi Blast Load:
BR604 Storefront - 1-5/16" (33) thick IG unit made up of 1/4" (6) annealed, 1/2" (12.7) air space, and 1/2" (12.7) annealed laminate using .030 butacite by Dupont®.
BR604 Entrance Door - 1-5/16" (33) thick made up of 1/4" (6) tempered, 1/2" (12.7) air space and 1/2" (12.7) laminate using .030 butacite by Dupont®.

Revisions By:



Discription:

U.S. ALUMINUM

BLAST RESISTANT STOREFRONTS

DEFENDER SERIES BR604

SYSTEM DRAWINGS

Drawn By: RPD

Date: 03/27/15

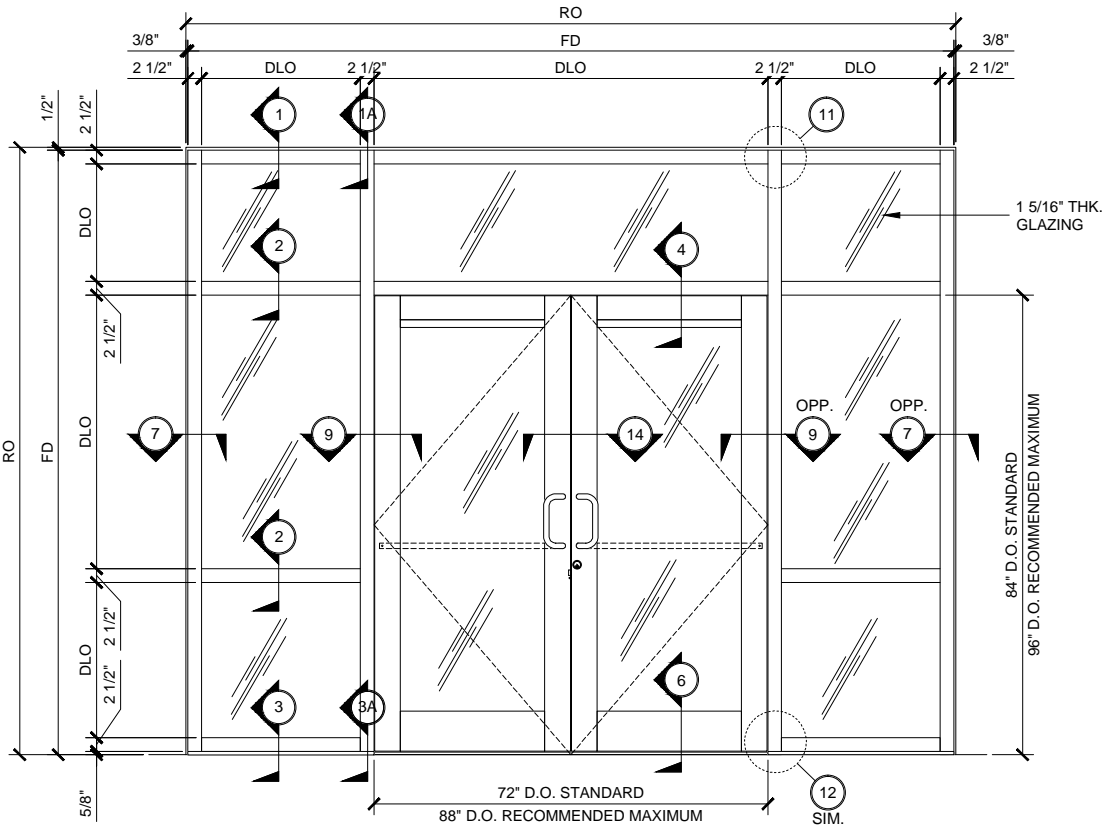
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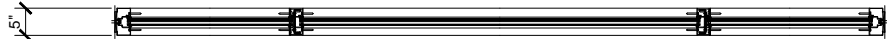
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COVER

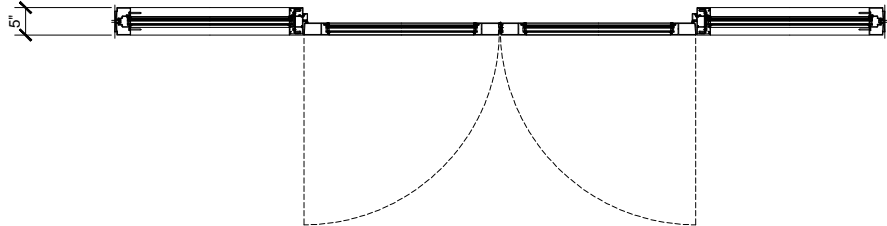
U.S. ALUMINUM BLAST RESISTANT STOREFRONT SERIES BR604 SYSTEM



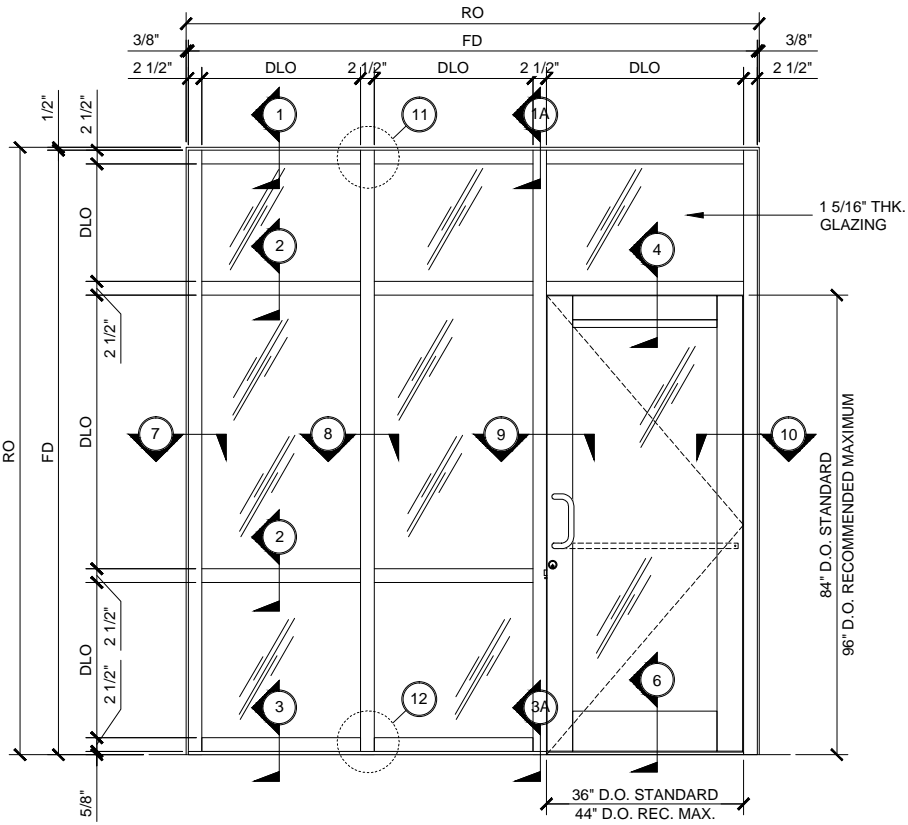
SERIES BR604 TYP. ELEVATION
WITH PAIR DOOR
WITH TRANSOM
3/4" = 1'-0"



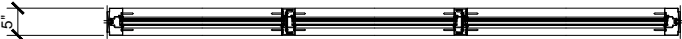
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WITH TRANSOM
3/4" = 1'-0"



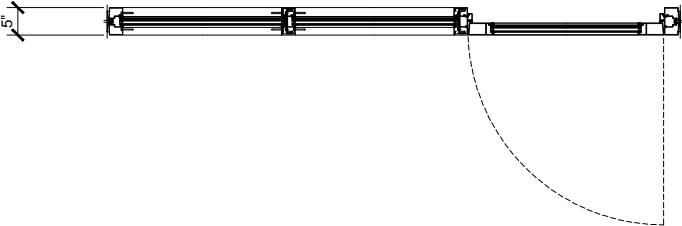
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WITH PAIR DOOR
3/4" = 1'-0"



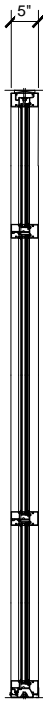
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WITH SINGLE DOOR
WITH TRANSOM
3/4" = 1'-0"



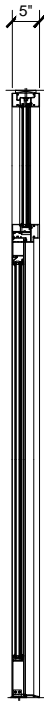
SERIES BR604 TYP. PLAN
WITH TRANSOM
3/4" = 1'-0"



SERIES BR604 TYP. PLAN
WITH SINGLE DOOR
3/4" = 1'-0"



SECTION
3/4" = 1'-0"

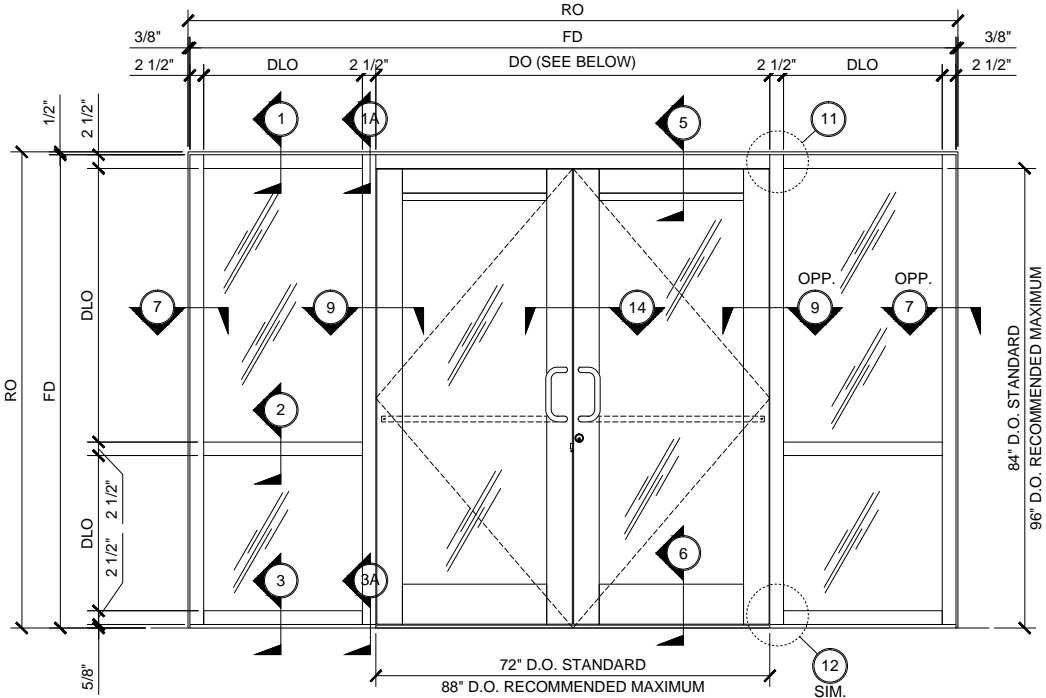


SECTION
3/4" = 1'-0"

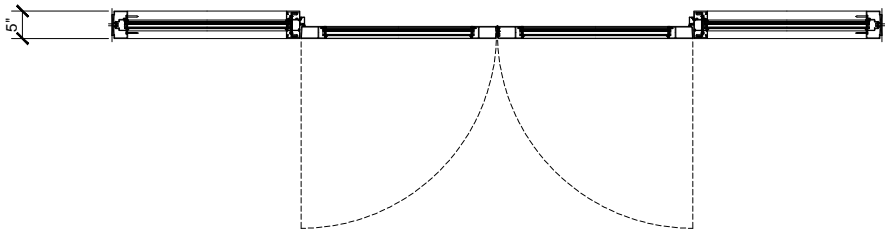
STANDARD ABBREVIATIONS	
RO	ROUGH OPENING
FD	FRAME DIMENSION
DLO	DAYLIGHT OPENING
DO	DOOR OPENING
DD	DOOR DIMENSION
SMC	SURFACE MOUNTED CLOSER
OHCC	OVERHEAD CONCEALED CLOSER

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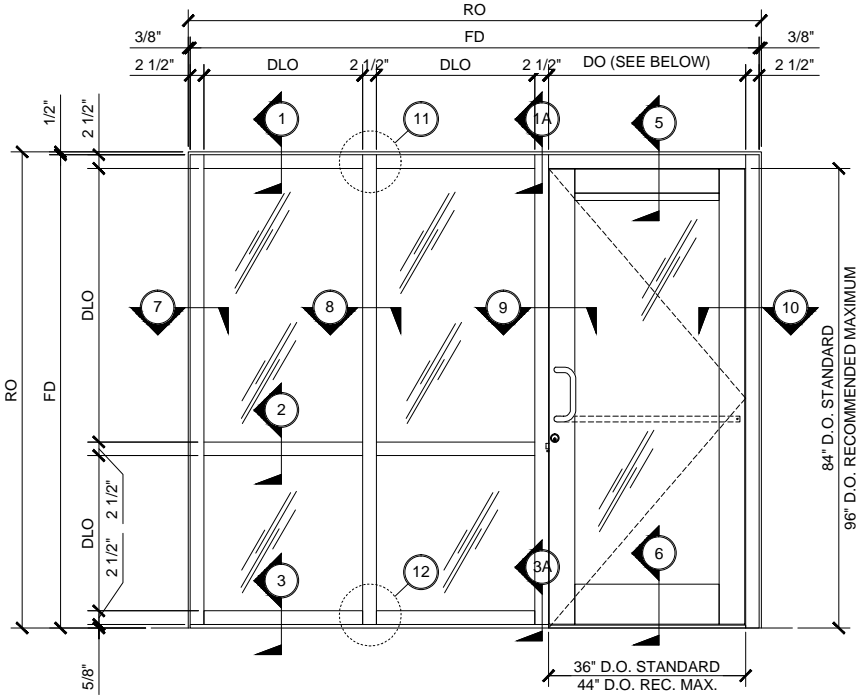
U.S. ALUMINUM BLAST RESISTANT STOREFRONT SERIES BR604 SYSTEM



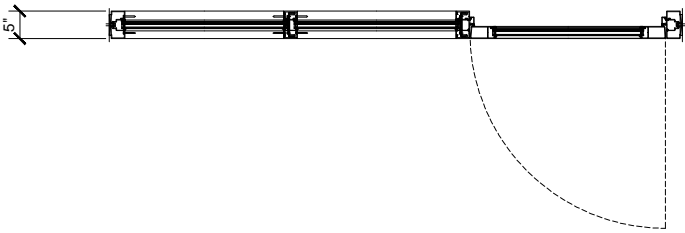
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WITH PAIR DOOR
WITHOUT TRANSOM
3/4" = 1'-0"



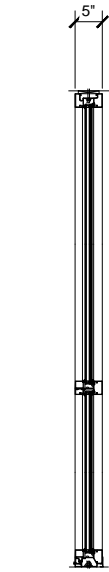
SERIES BR604 TYP. PLAN
WITH PAIR DOOR
3/4" = 1'-0"



SERIES BR604 TYP. ELEVATION
WITH SINGLE DOOR
WITHOUT TRANSOM
3/4" = 1'-0"



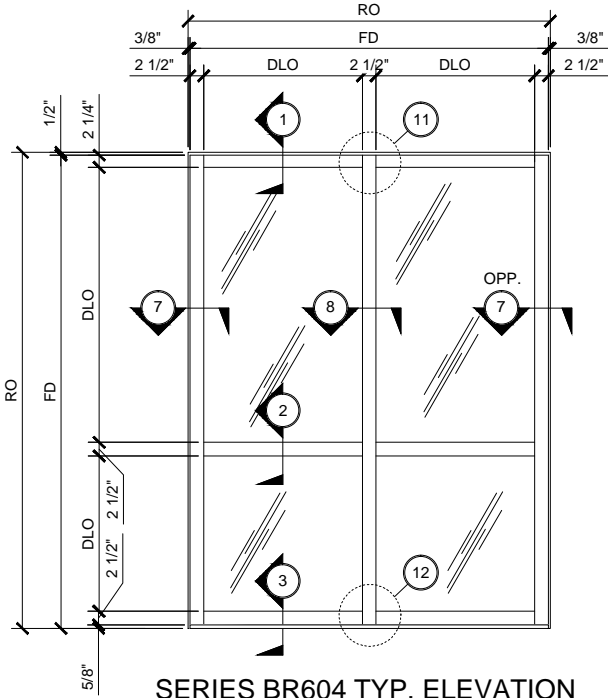
SERIES BR604 TYP. PLAN
WITH SINGLE DOOR
3/4" = 1'-0"



SECTION
3/4" = 1'-0"



SECTION
3/4" = 1'-0"



SERIES BR604 TYP. ELEVATION
SCALE: 3/4" = 1'-0"



SERIES BR604 TYP. PLAN
3/4" = 1'-0"

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FD	FRAME DIMENSION
DLO	DAYLIGHT OPENING
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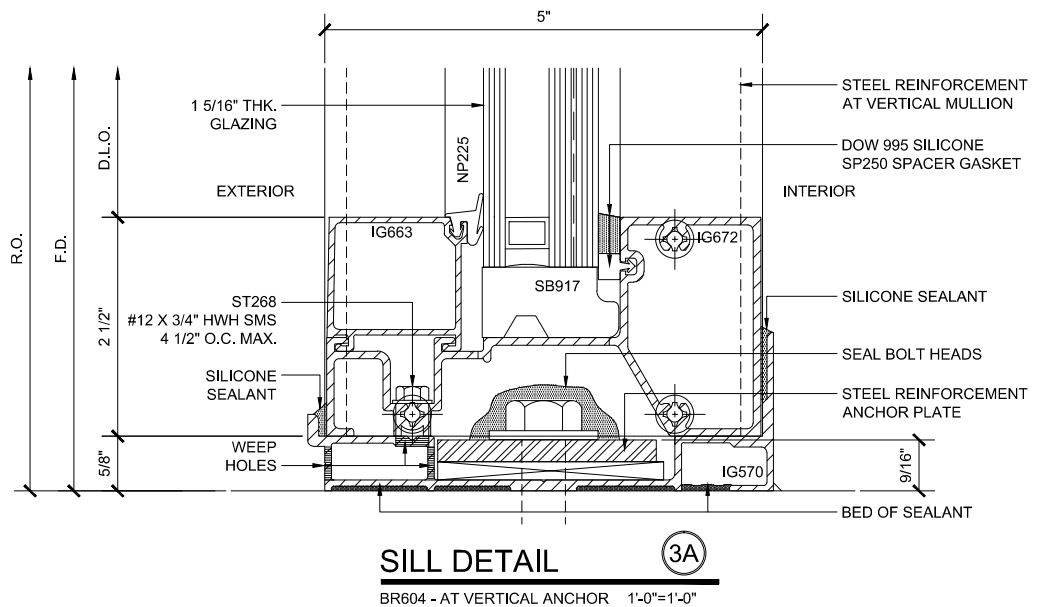
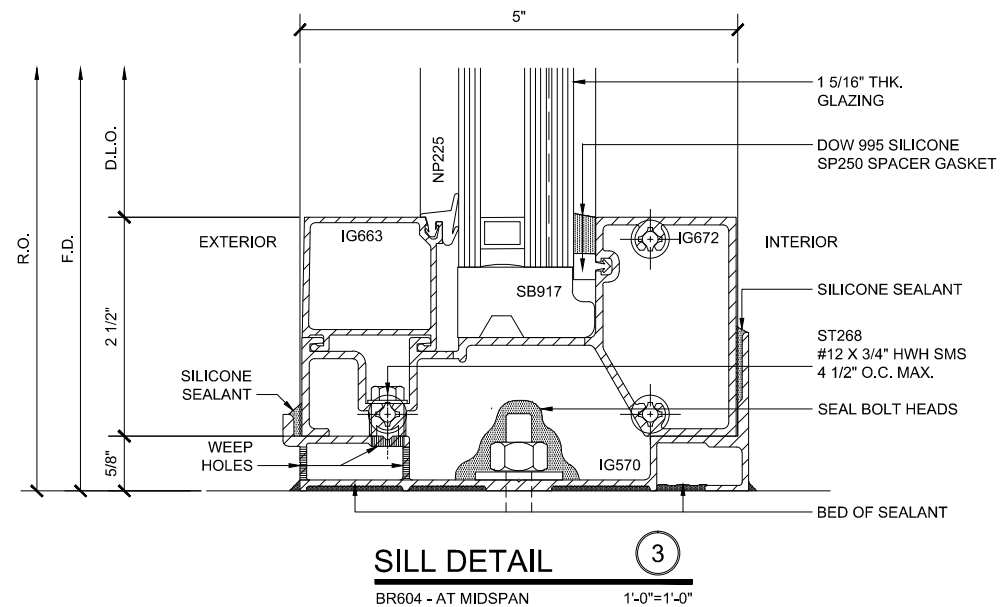
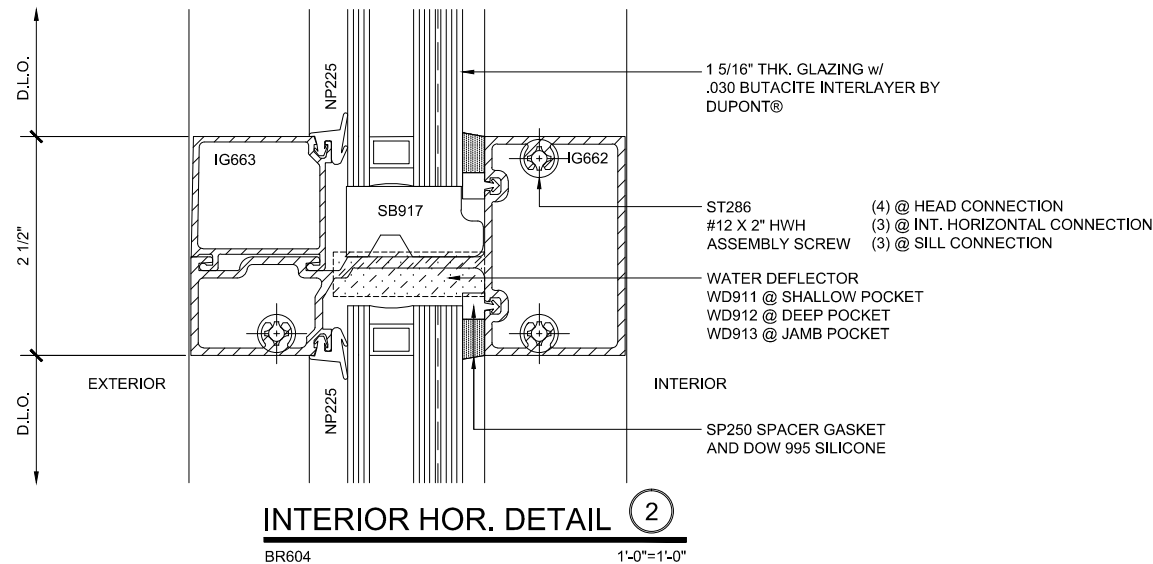
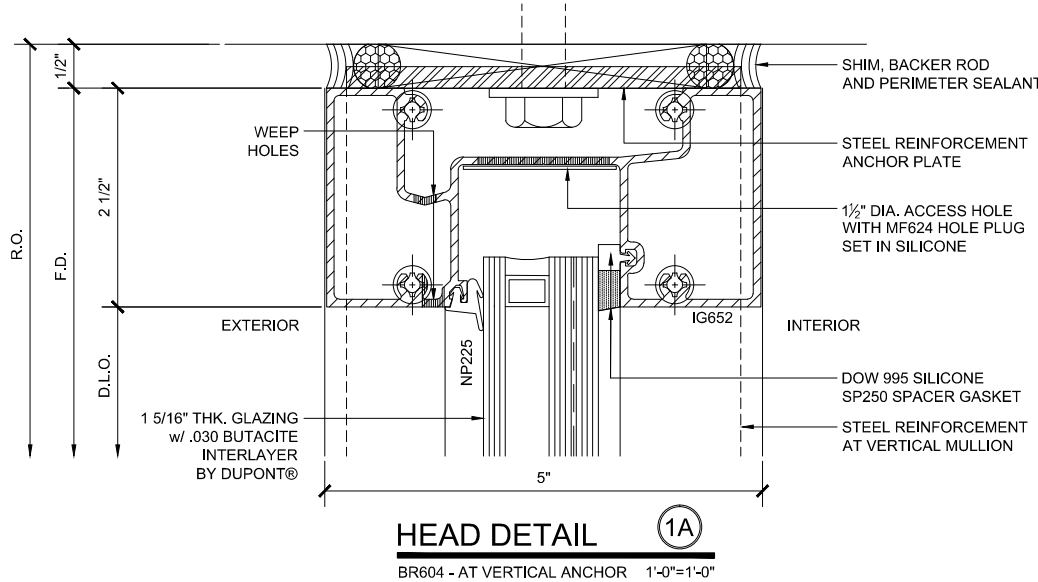
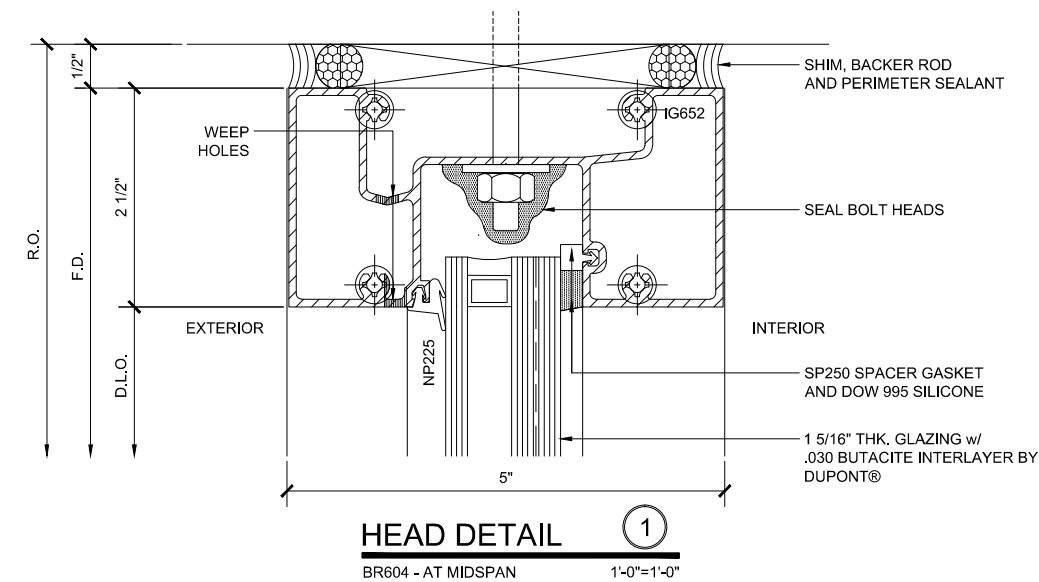
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U.S. ALUMINUM
BLAST RESISTANT STOREFRONTS
DEFENDER SERIES BR604
SYSTEM DRAWINGS

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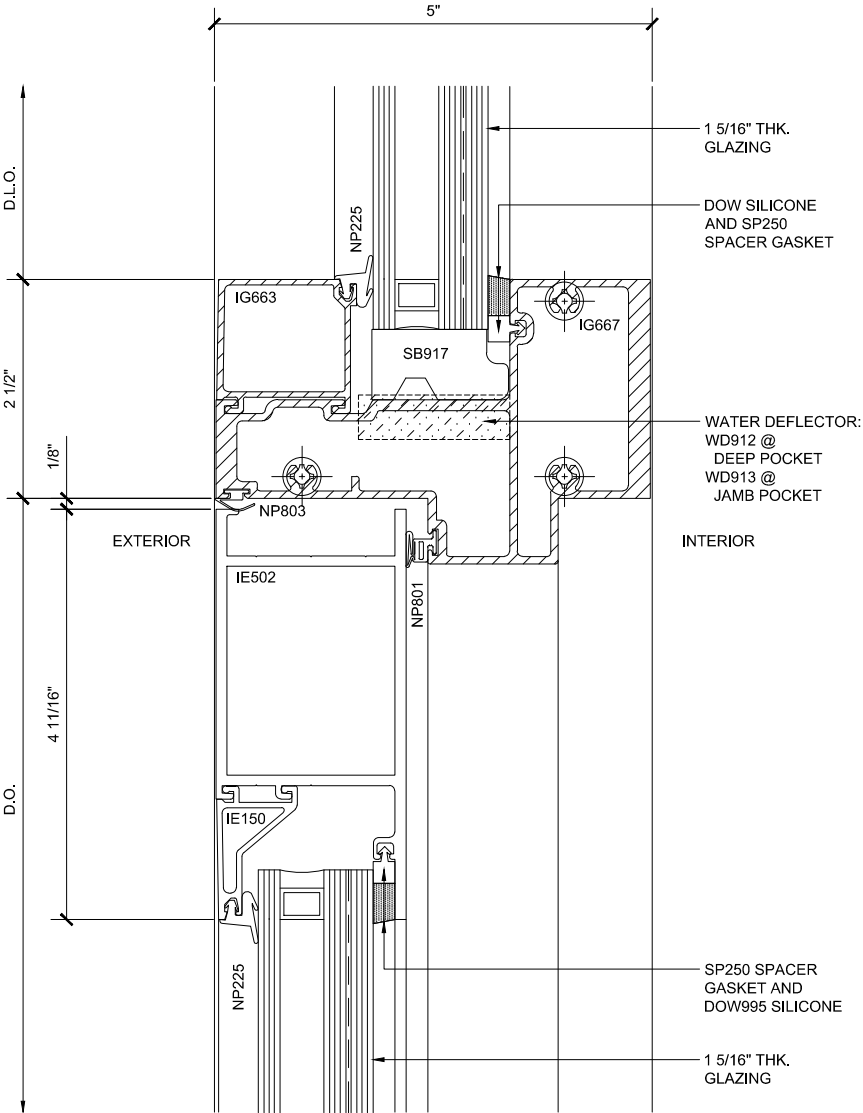
DEFENDER SERIES BR604 - SYSTEM DETAILS

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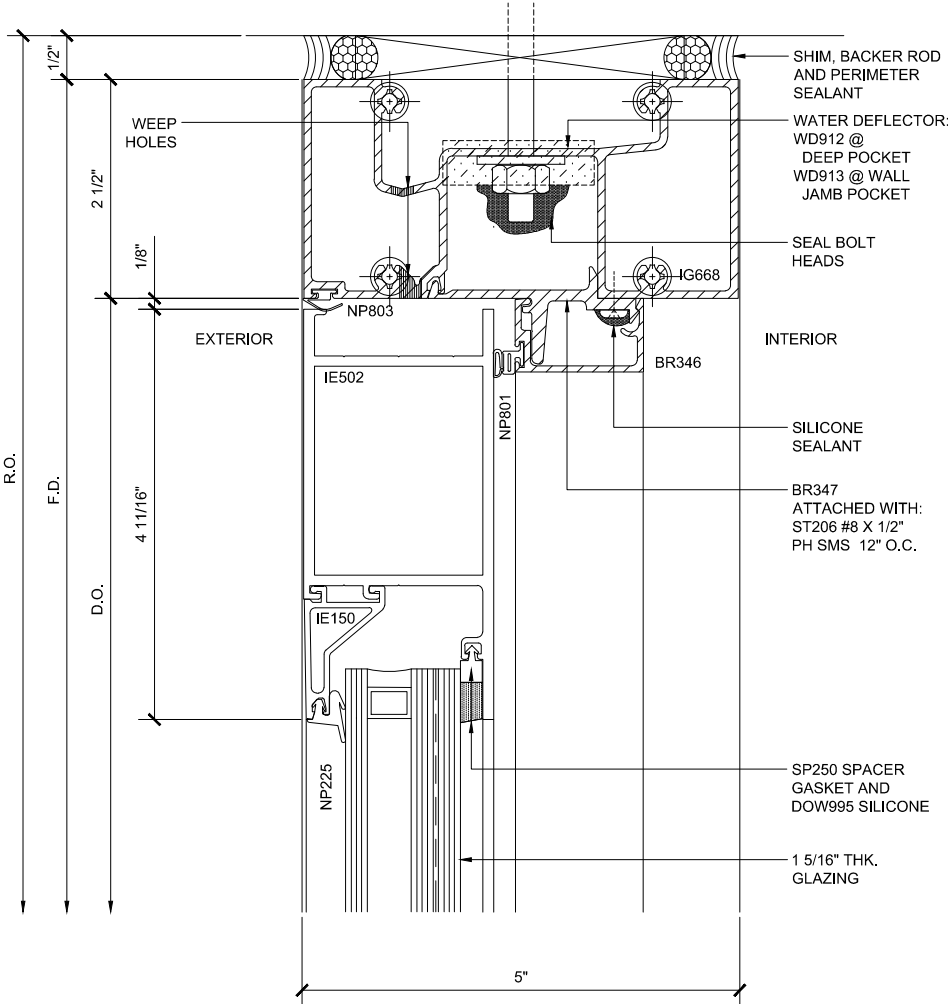
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DOOR HEAD DETAIL 4
BR604 - WITH TRANSOM
1'-0"=1'-0"



DOOR HEAD DETAIL 5
BR604 - WITHOUT TRANSOM
1'-0"=1'-0"

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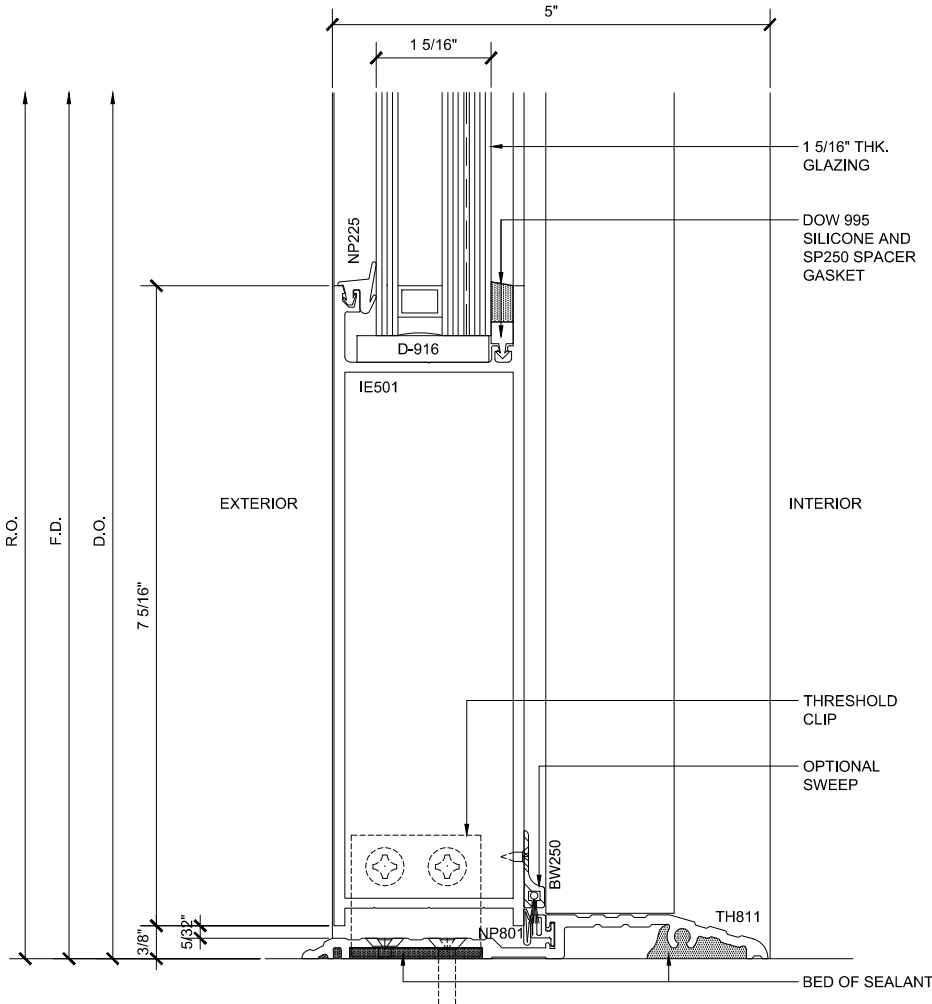
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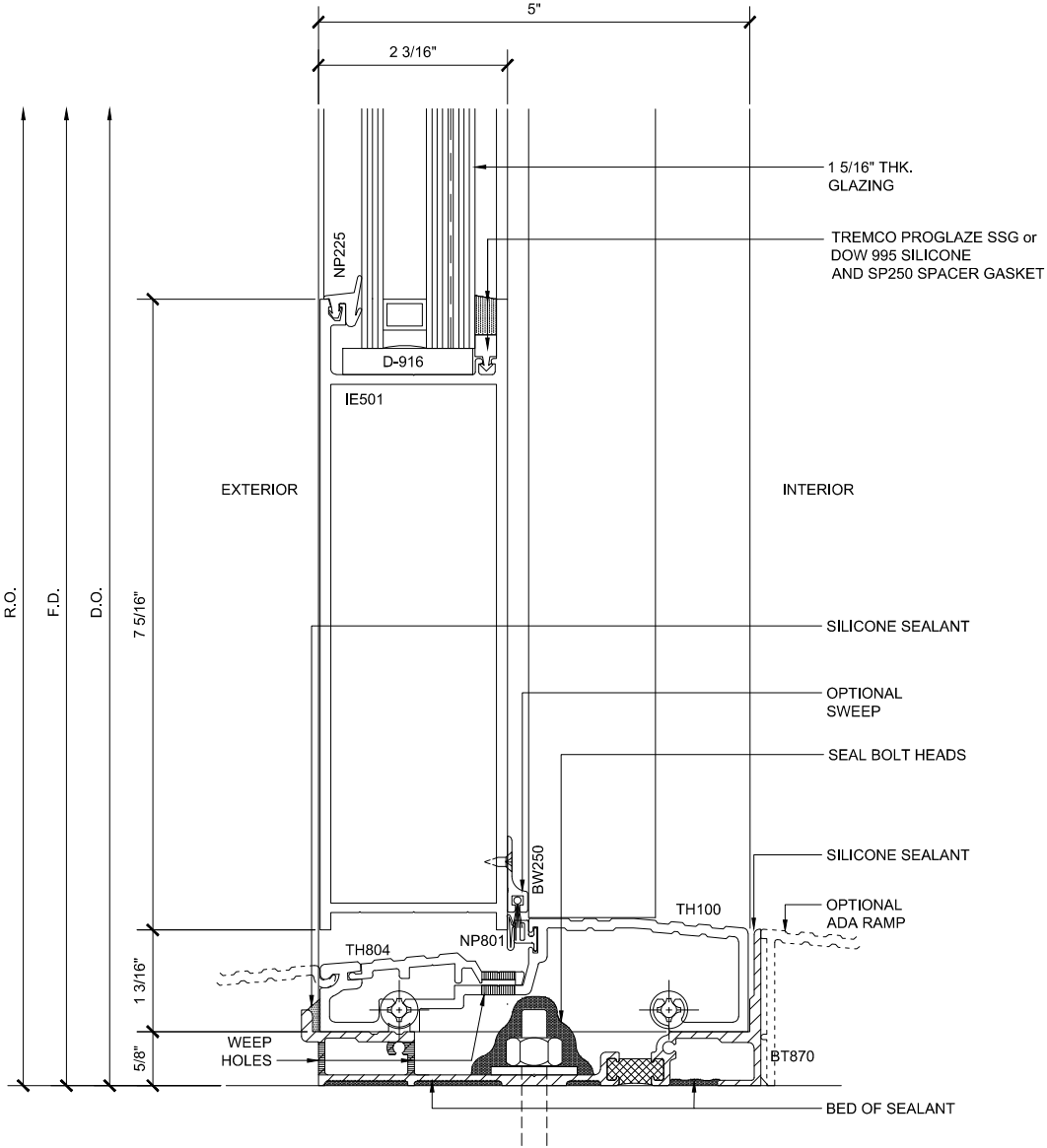
1.03



DOOR SILL DETAIL
BR604

6

1'-0"=1'-0"



DOOR SILL DETAIL
BR604 - WITH HIGH PERFORMANCE
WATER-RESISTANT THRESHOLD

6A

1'-0"=1'-0"

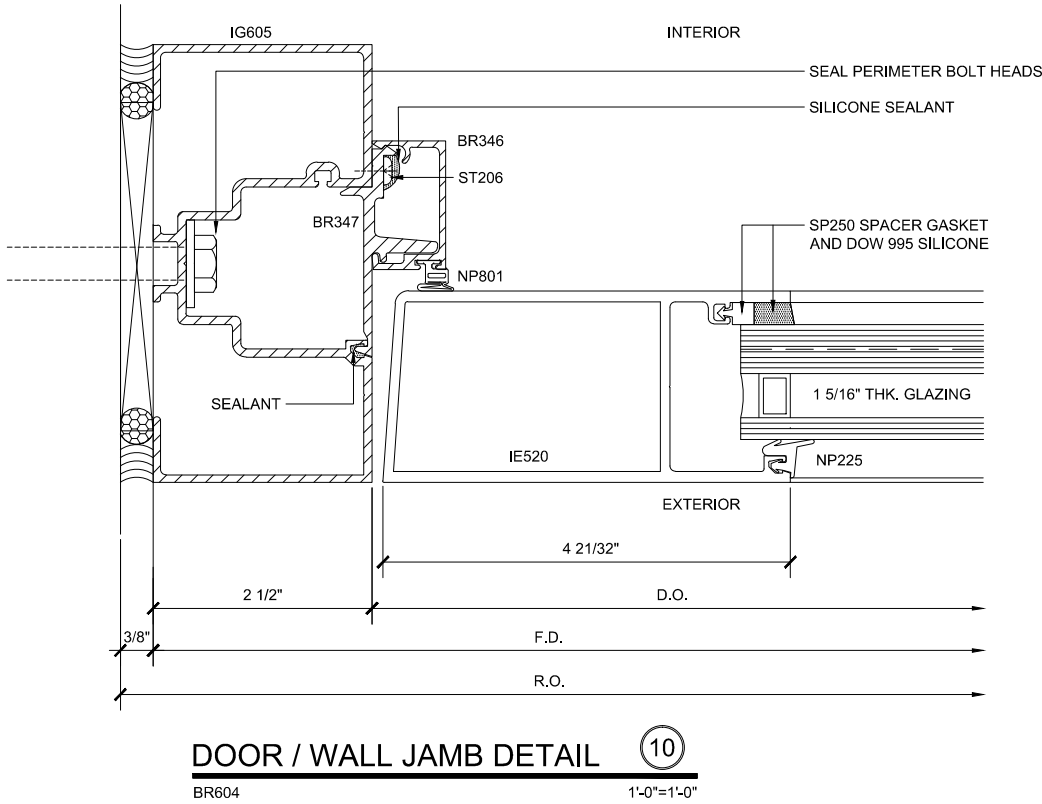
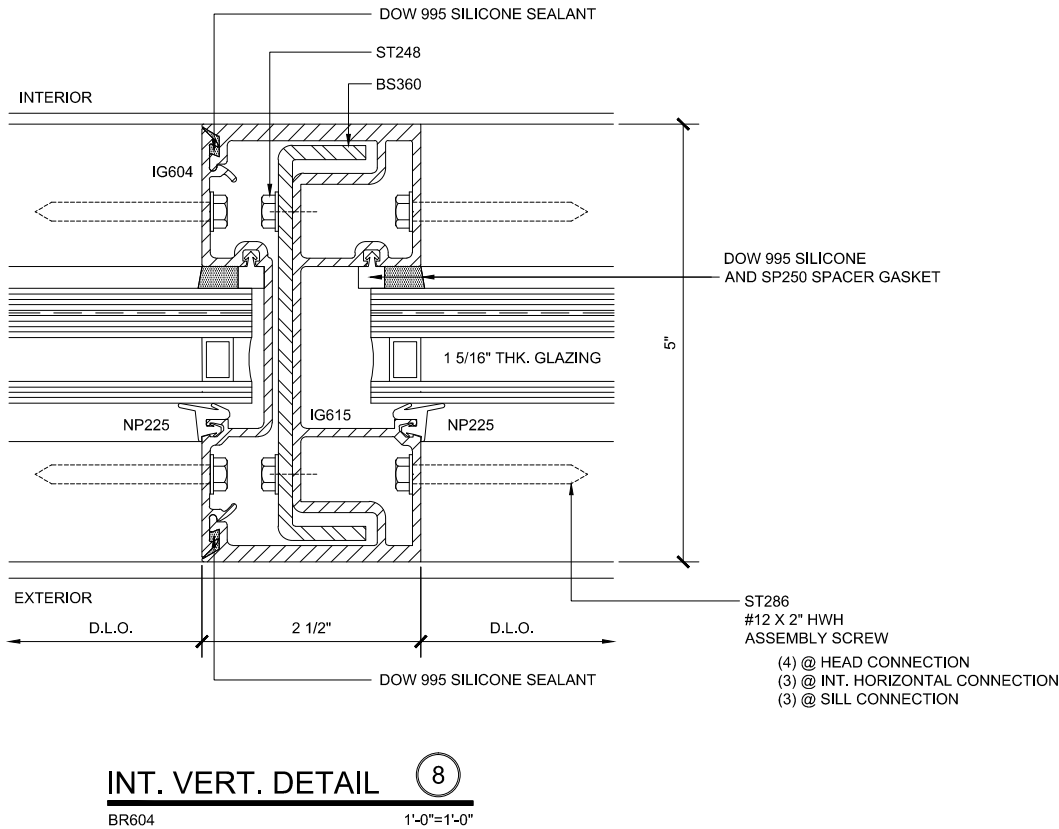
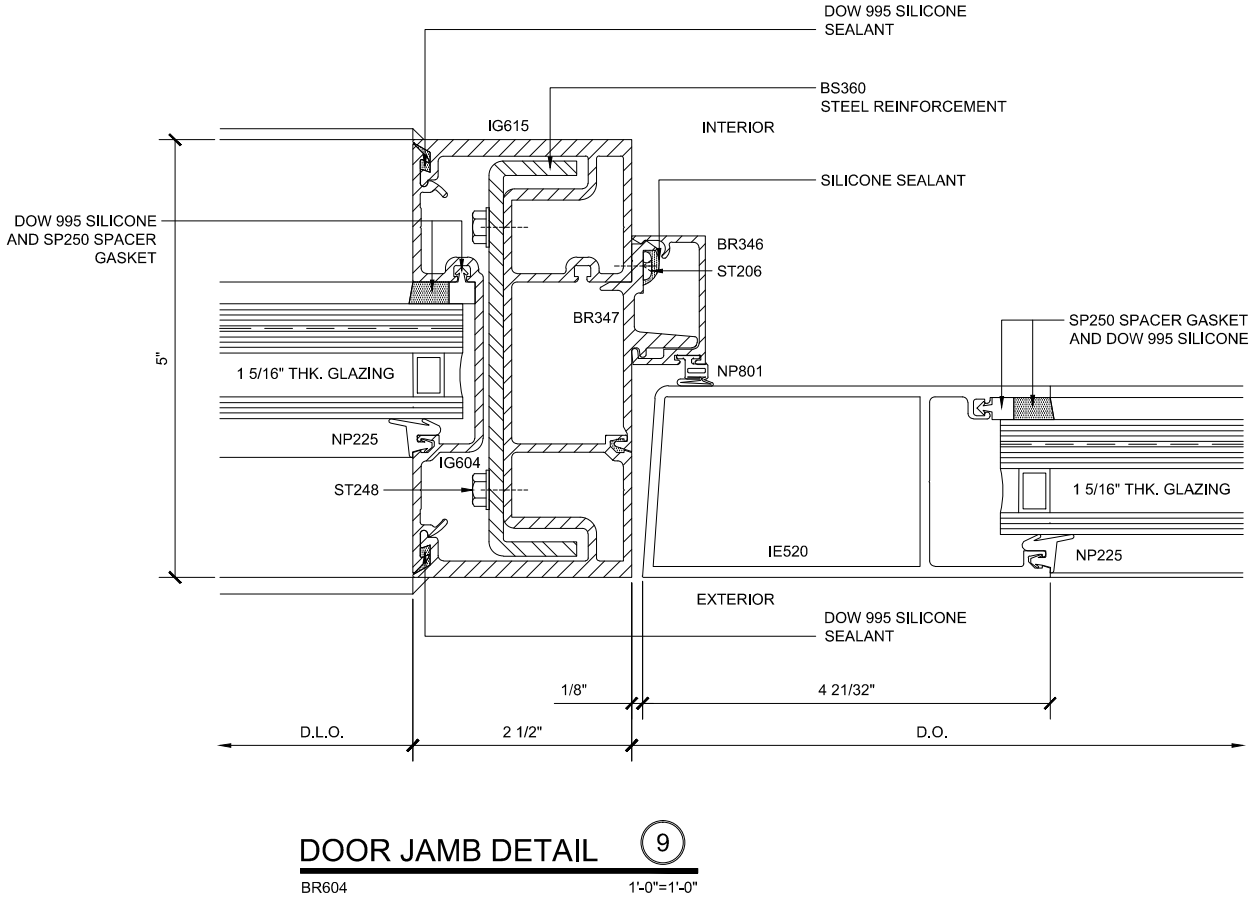
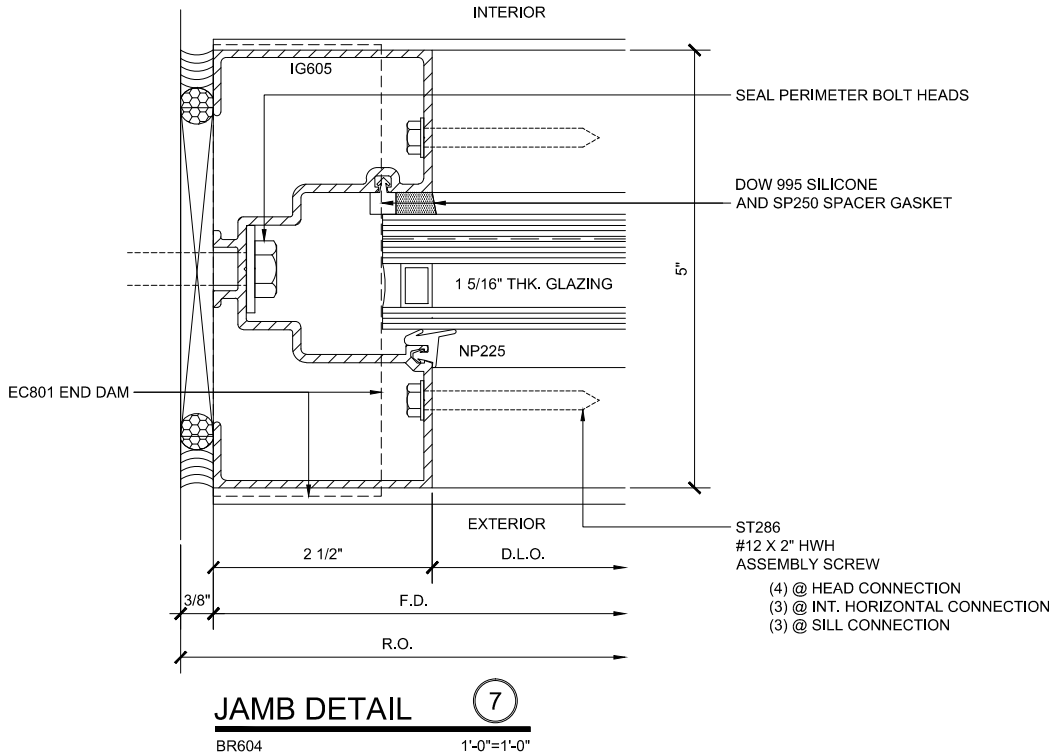
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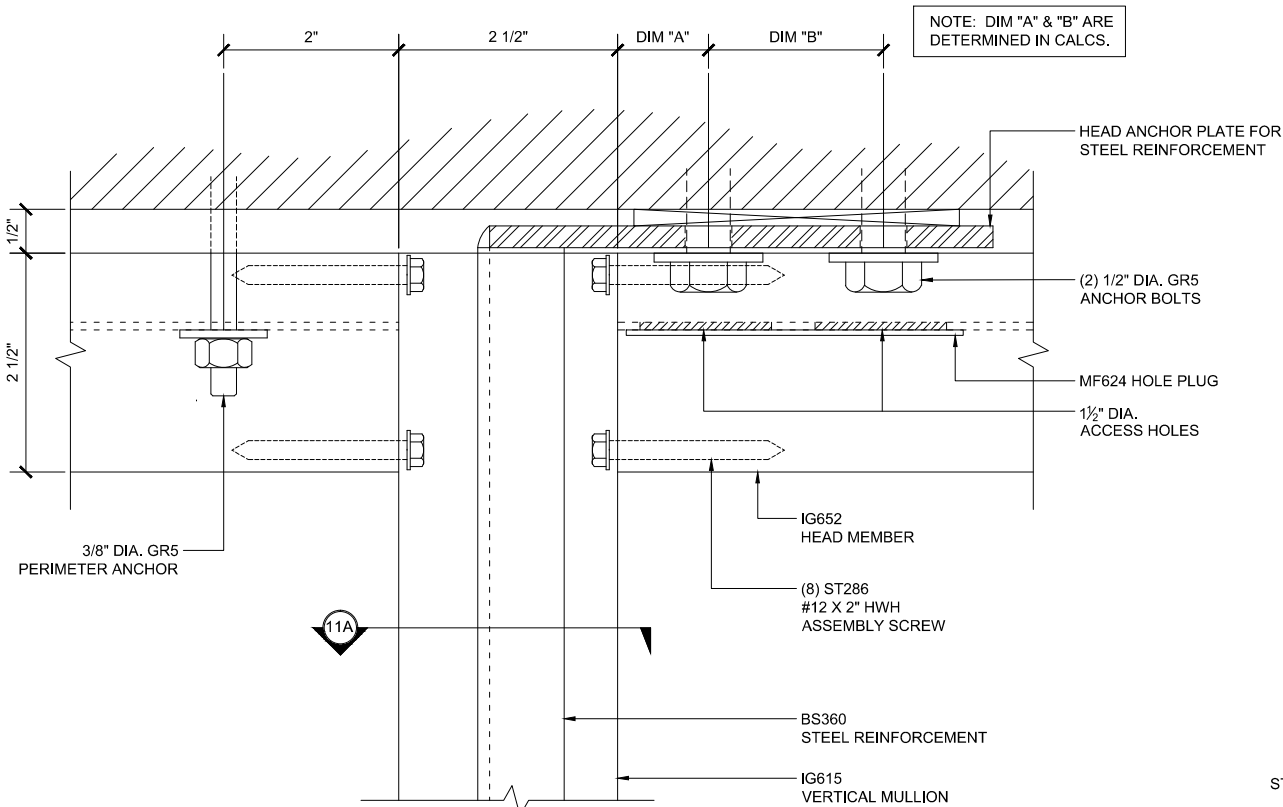
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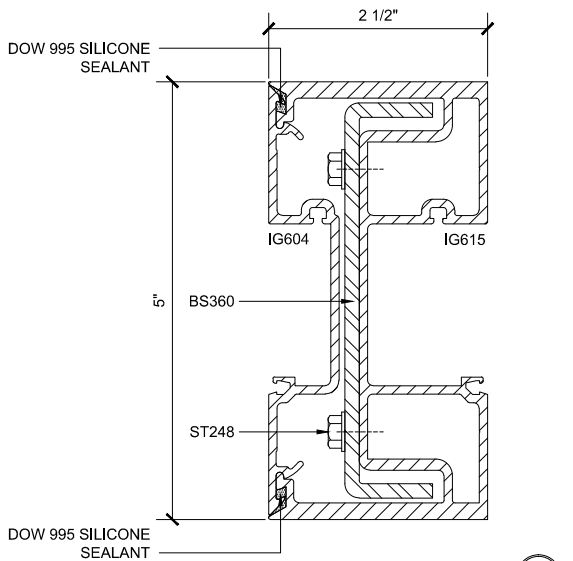
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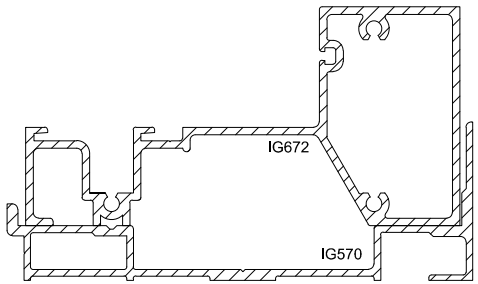
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HEAD ELEV. VIEW 11
BR604 1'-0"=1'-0"

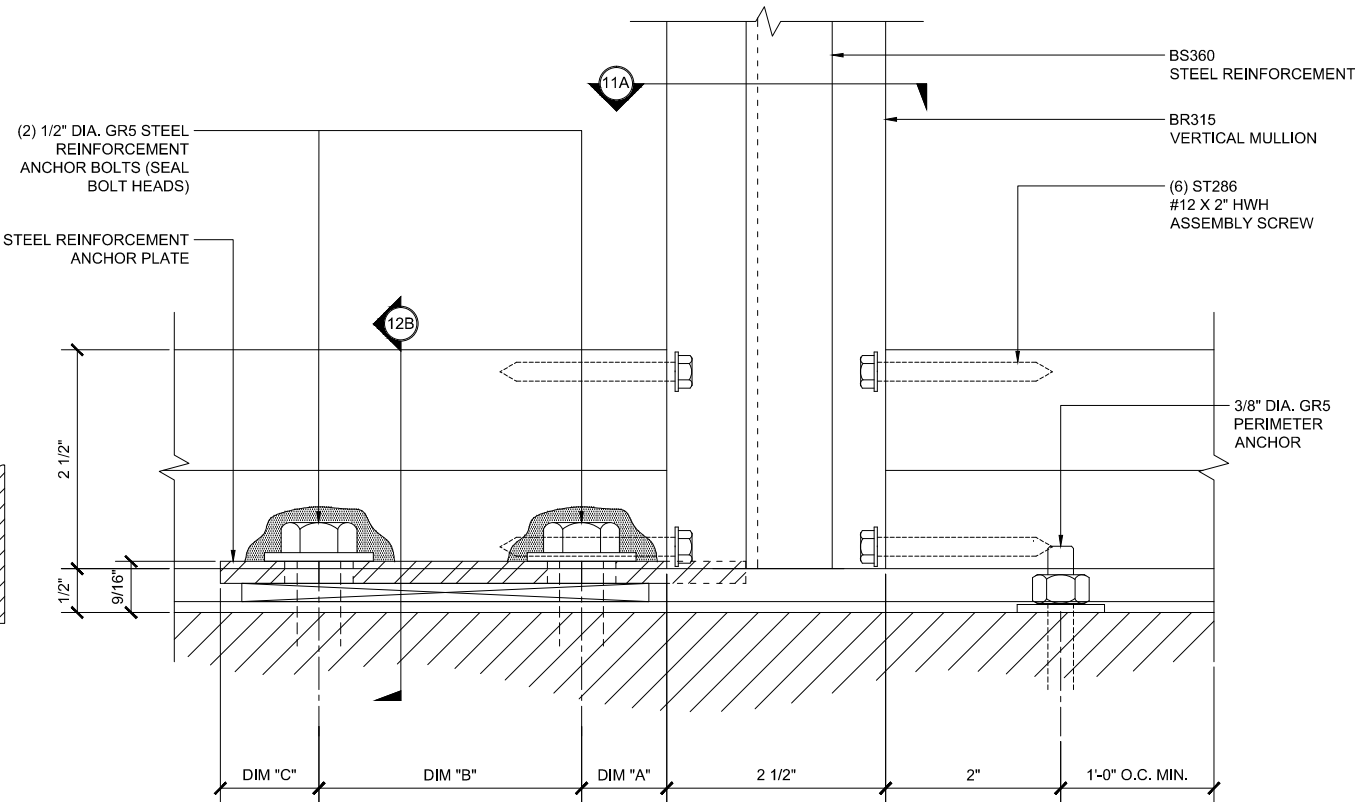


VERT. PLAN DETAIL 11A
BR604 1'-0"=1'-0"



SEE DETAIL 3 & 3a FOR SILL DETAIL CUT

SECTION DETAIL 12B
BR604 1'-0"=1'-0"



NOTE: DIM "A", "B" & "C" ARE DETERMINED IN CALCS.

SILL ELEV. VIEW 12
BR604 1'-0"=1'-0"

DEFENDER SERIES BR604 - SYSTEM DETAILS

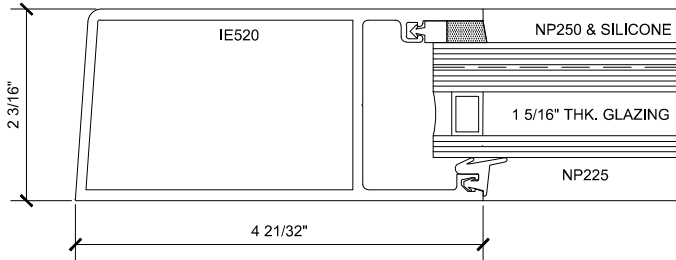
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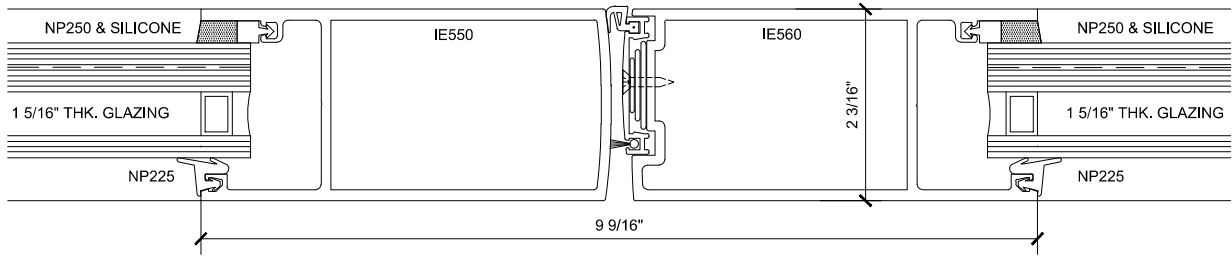
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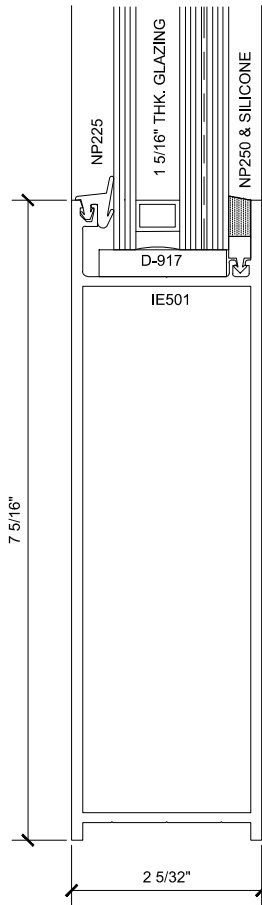
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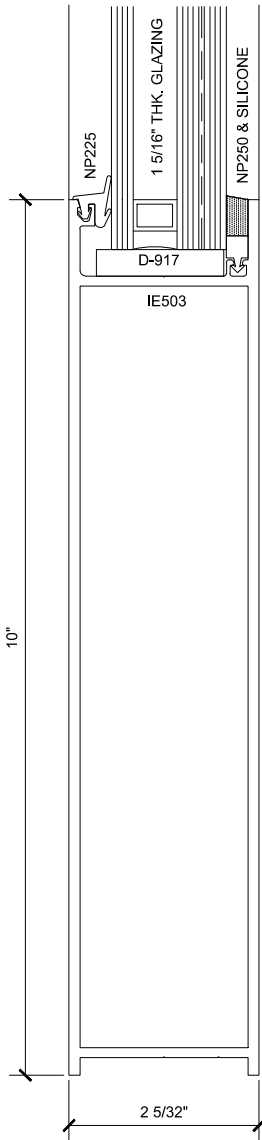
HINGE STILE 13
BR604 1'-0"=1'-0"



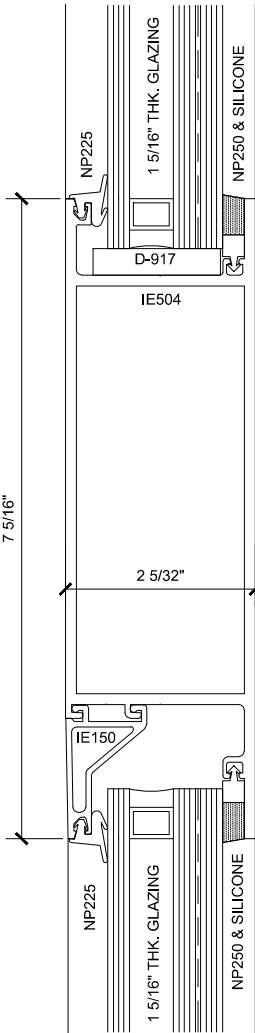
MEETING STILES 14
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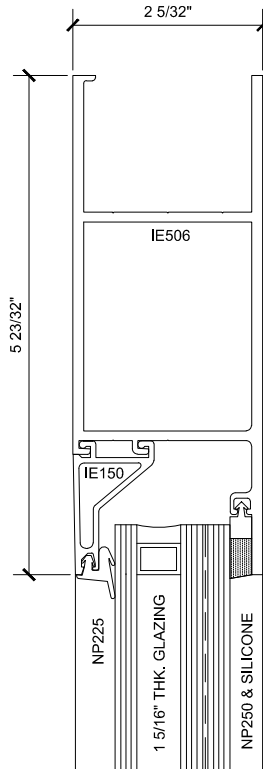
7 in. BOT. RAIL 15
BR604 1'-0"=1'-0"



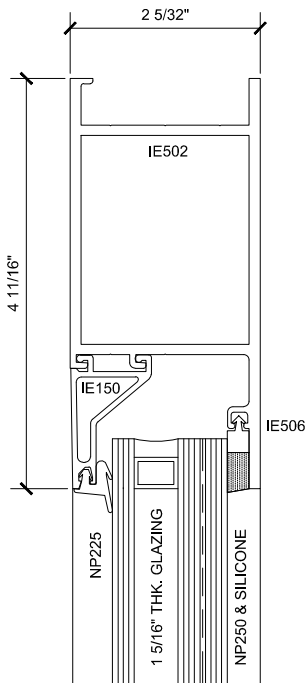
10 in. BOT. RAIL 16
BR604 1'-0"=1'-0"



MUNTIN 17
BR604 1'-0"=1'-0"



TOP RAIL CONC. CLOSER 18
BR604 1'-0"=1'-0"



TOP RAIL SURF. CLOSER 19
BR604 1'-0"=1'-0"

DEFENDER SERIES BR604 - SYSTEM DETAILS

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