

U.S. ALUMINUM BLAST RESISTANT STOREFRONT

SERIES BT601 SYSTEM

BLAST RESISTANT STOREFRONT SERIES BT601

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.
- * The BT601 Blast Resistant Storefront System is engineered and successfully tested to withstand a blast pressure of 1 psi. This unique Storefront System utilizes our High Performance BT601 Entrance and features screw spline assembly for panel erection, insulating 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.

SERIES	BLAST LOAD	FACE WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD
BT601	1.0 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 BT601

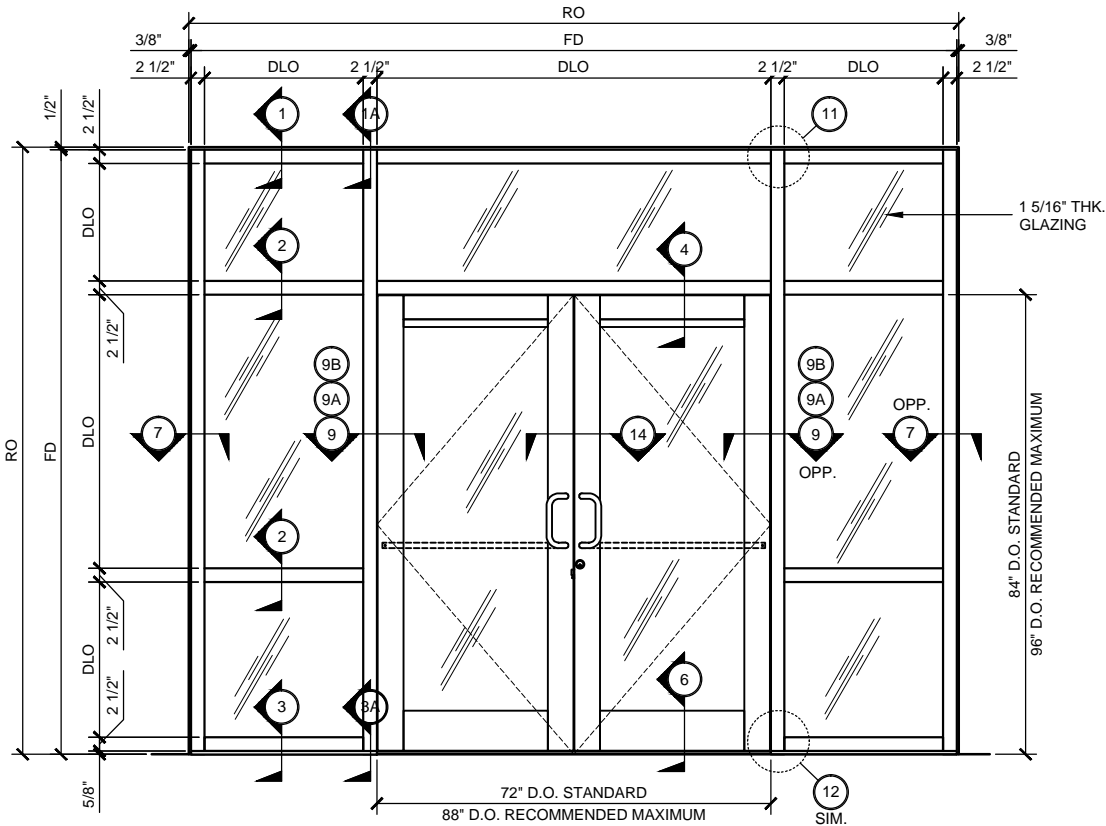
Glazing 6.0 psi Blast Load:
BT601 Storefront - 1-5/16" (33) thick IG unit made up of 1/4" (6) HS, 1/2" (12.7) air space, and 1/2" (12.7) HS laminate using .090 butacite by Dupont®.
BT601 Entrance Door - 1-5/16" (33) thick made up of 1/4" (6) HS, 1/2" (12.7) air space and 1/2" (12.7) HS laminate using .090 butacite by Dupont®.

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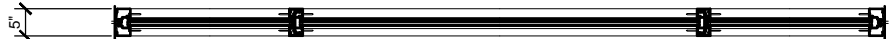
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U.S. ALUMINUM BLAST RESISTANT STOREFRONT SERIES BT601 SYSTEM



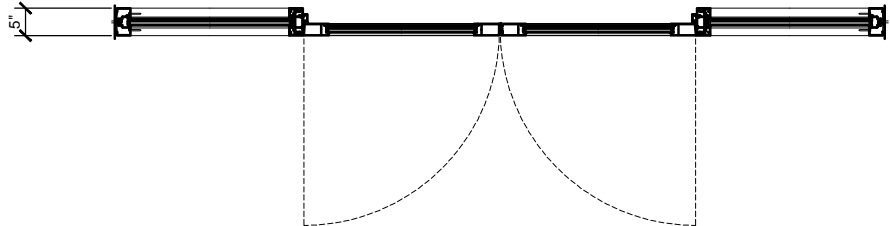
SERIES BT601 TYP. ELEVATION

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



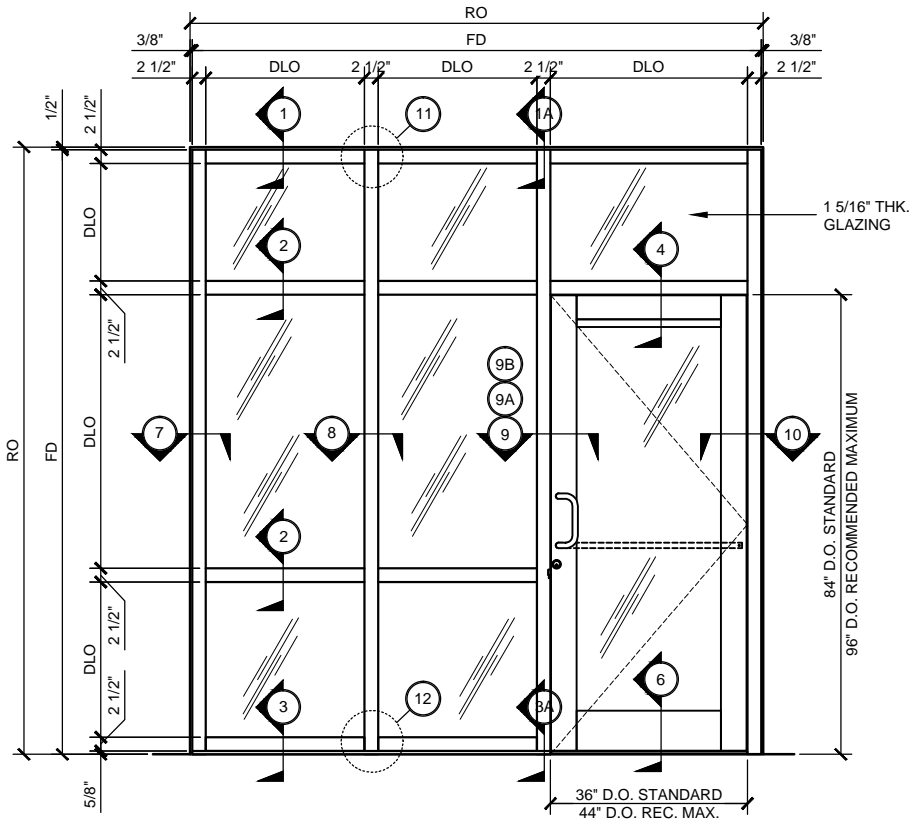
SERIES BT601 TYP. PLAN

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



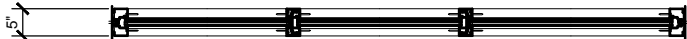
SERIES BT601 TYP. PLAN

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



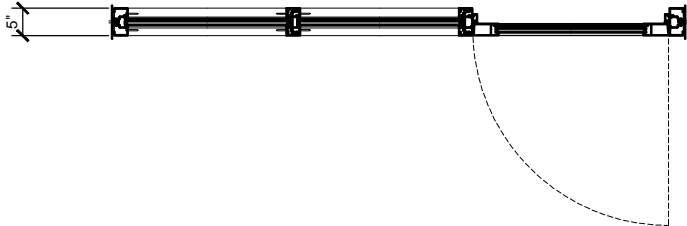
SERIES BT601 TYP. ELEVATION

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



SERIES BT601 TYP. PLAN

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



SERIES BT601 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

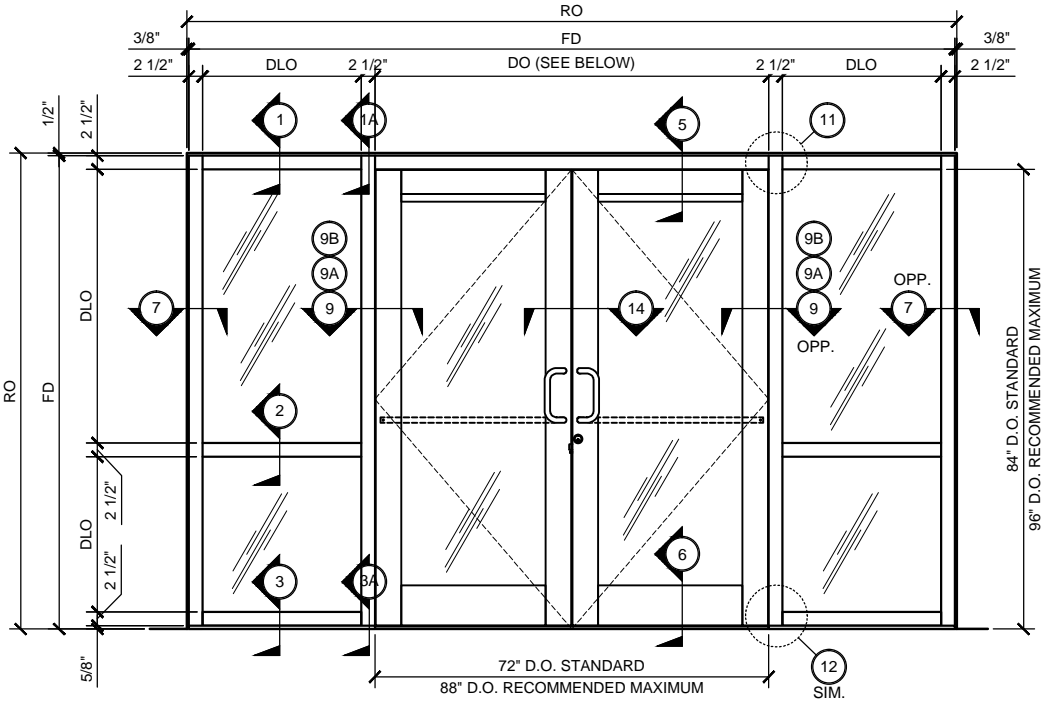
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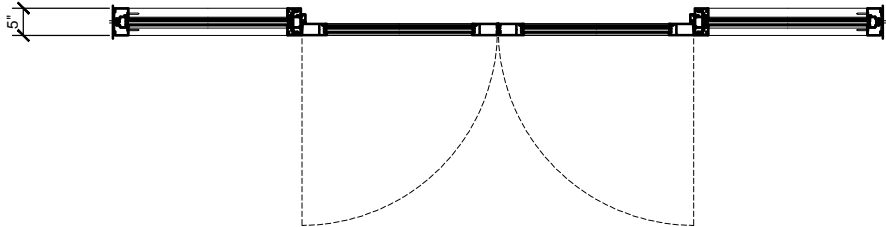
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DEFENDER SERIES BT601
SYSTEM DRAWINGS

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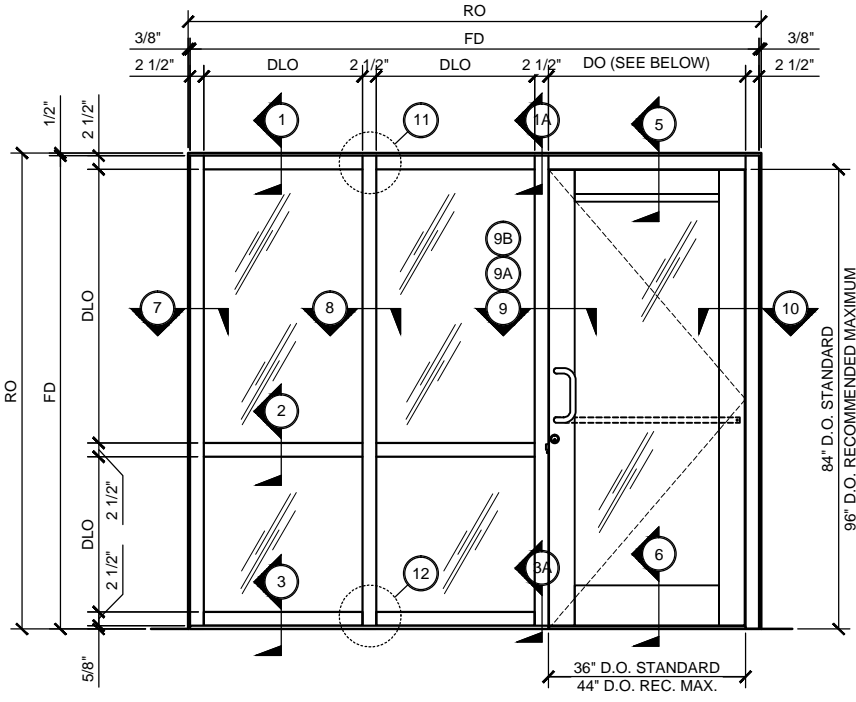
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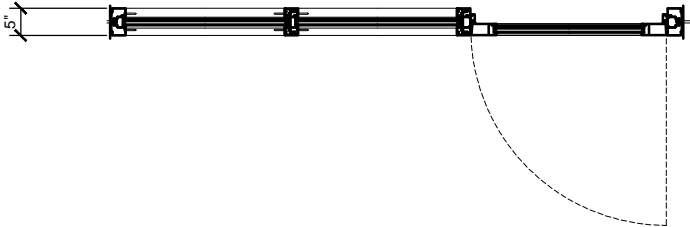
SERIES BT601 TYP. ELEVATION
WITH PAIR DOOR
WITHOUT TRANSOM
3/4" = 1'-0"



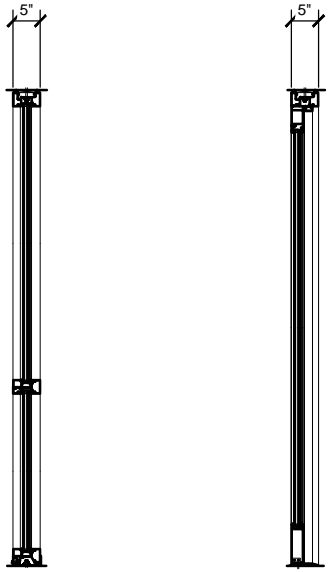
SERIES BT601 TYP. PLAN
WITH PAIR DOOR
3/4" = 1'-0"



SERIES BT601 TYP. ELEVATION
WITH SINGLE DOOR
WITHOUT TRANSOM
3/4" = 1'-0"

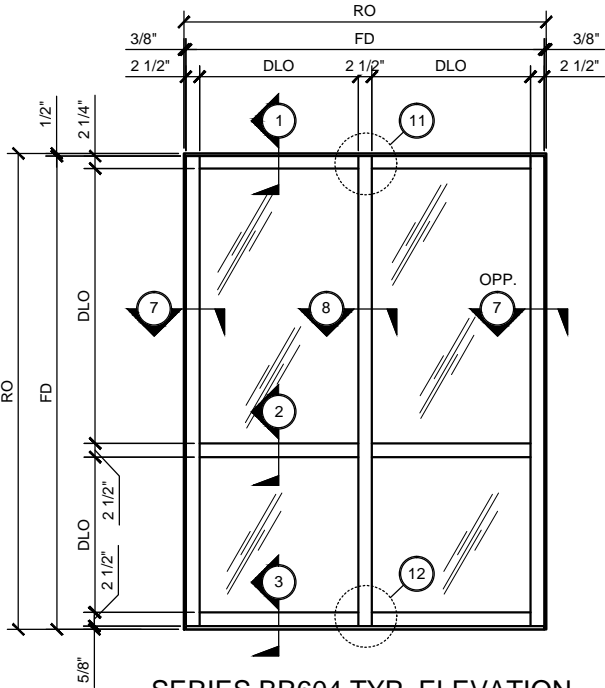


SERIES BT601 TYP. PLAN
WITH SINGLE DOOR
3/4" = 1'-0"



SECTION
3/4" = 1'-0"

SECTION
3/4" = 1'-0"



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



SERIES BT601 TYP. PLAN
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

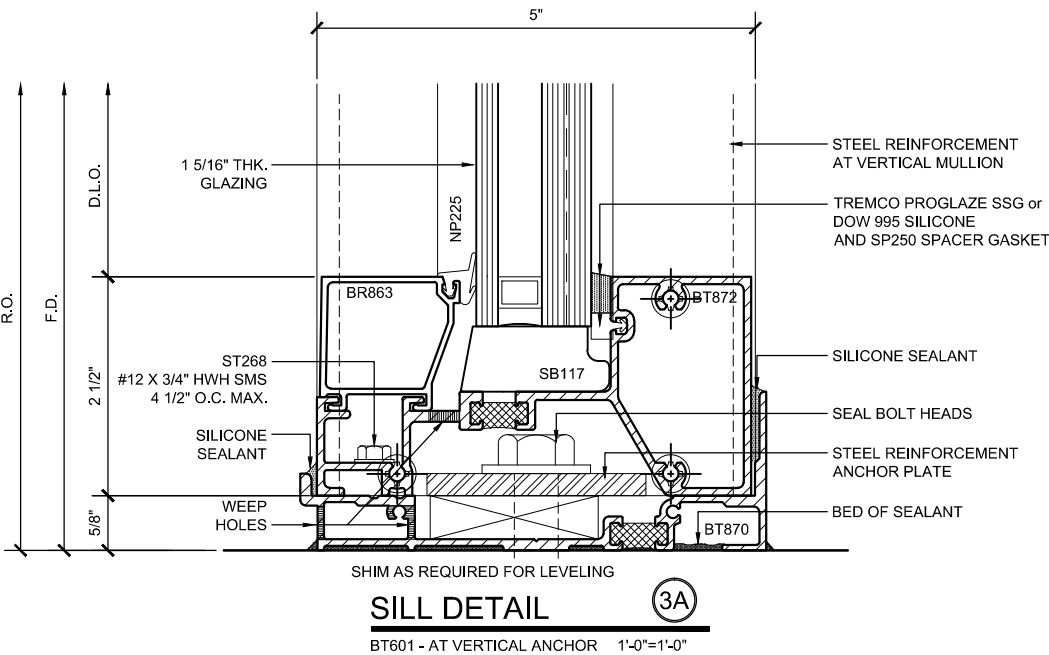
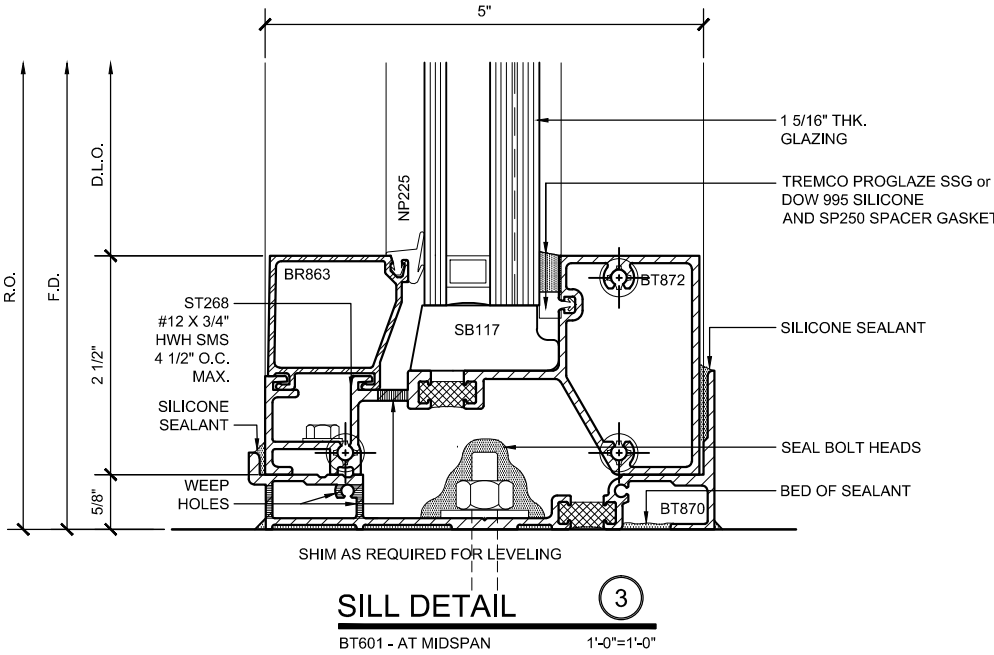
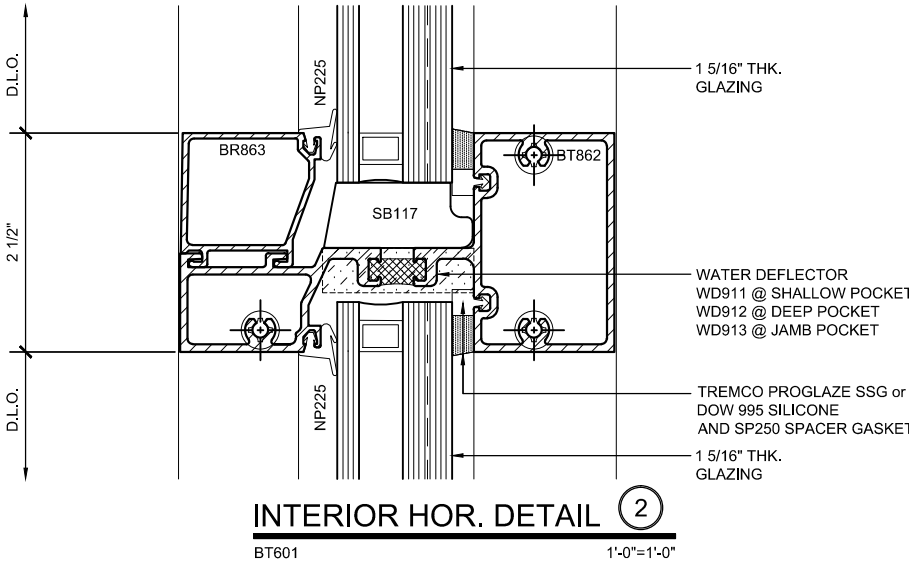
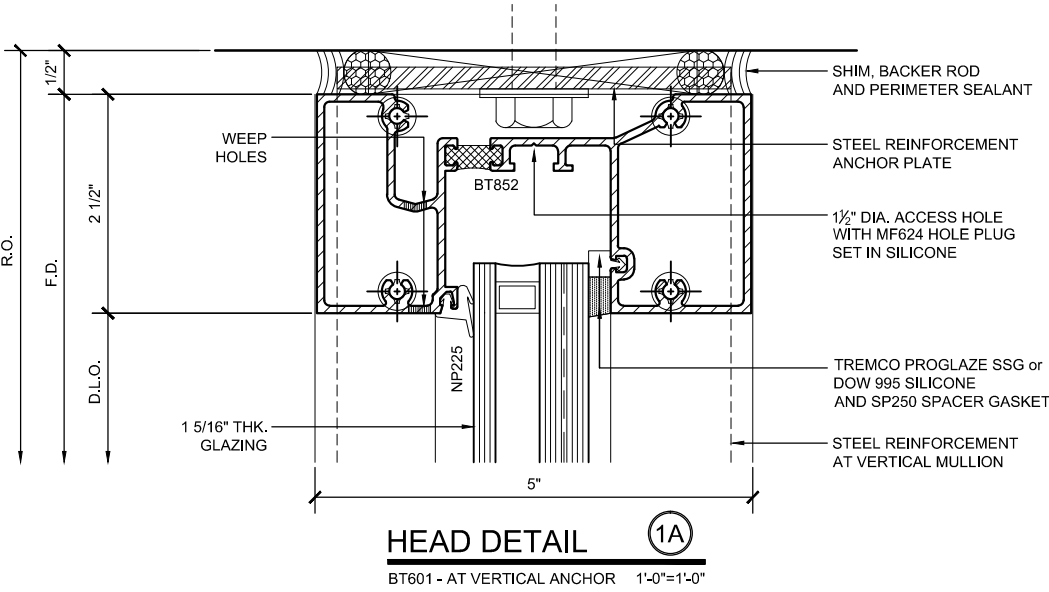
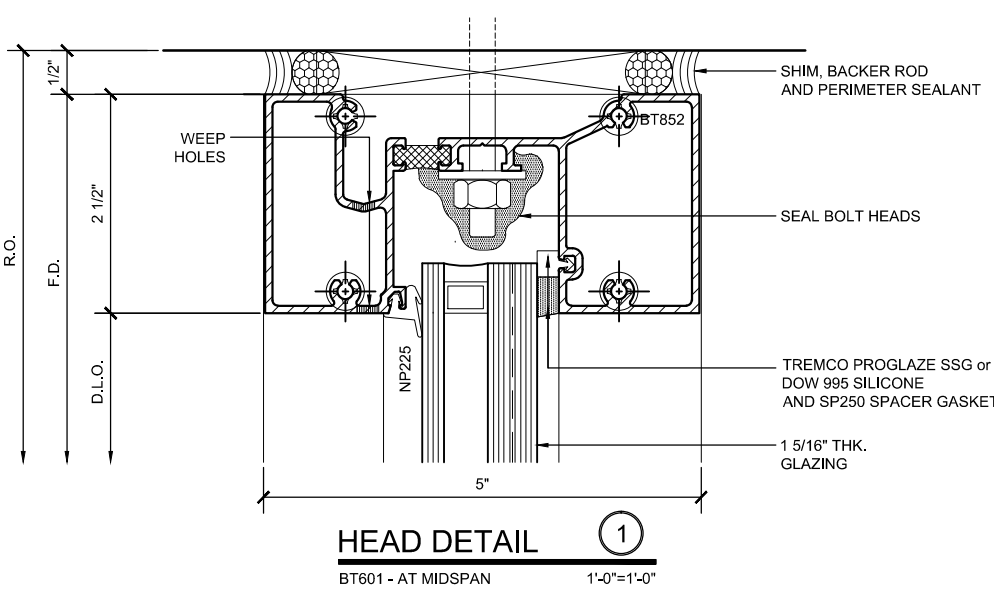
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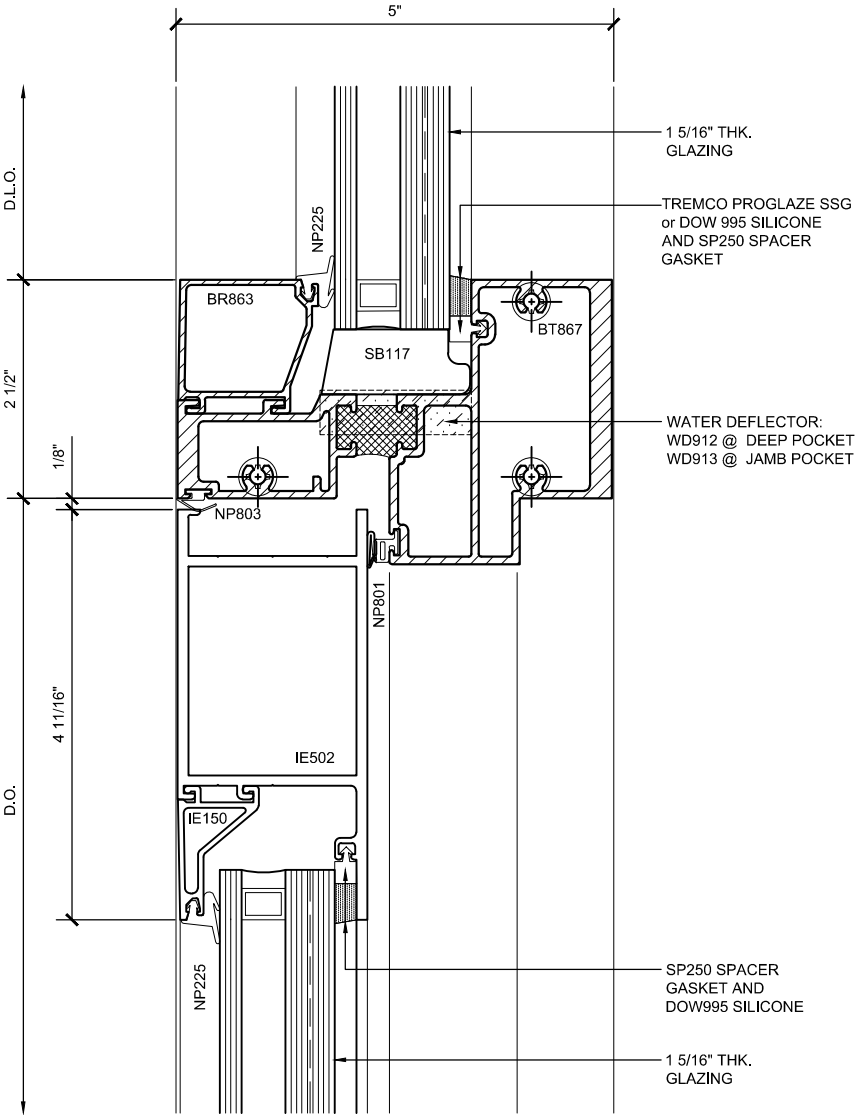
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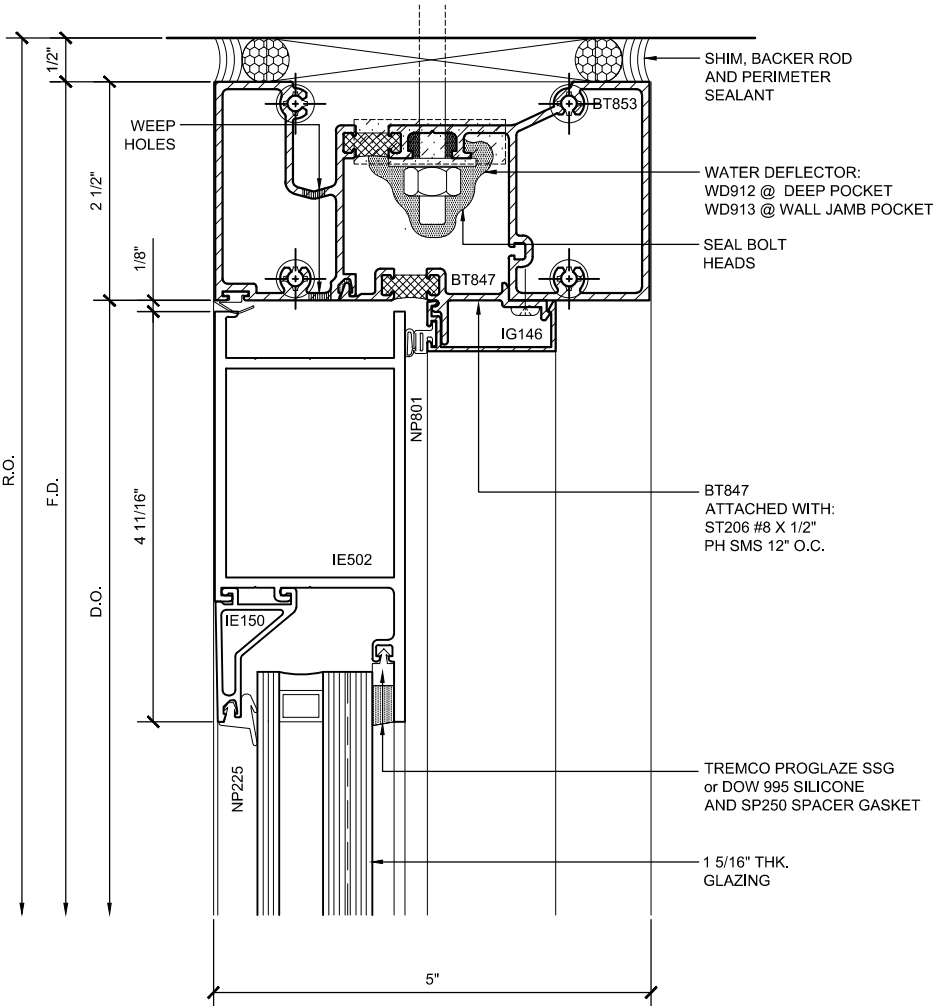
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DOOR HEAD DETAIL 4
BT601 - WITH TRANSOM
1'-0\"/>



DOOR HEAD DETAIL 5
BT601 - WITHOUT TRANSOM
1'-0\"/>

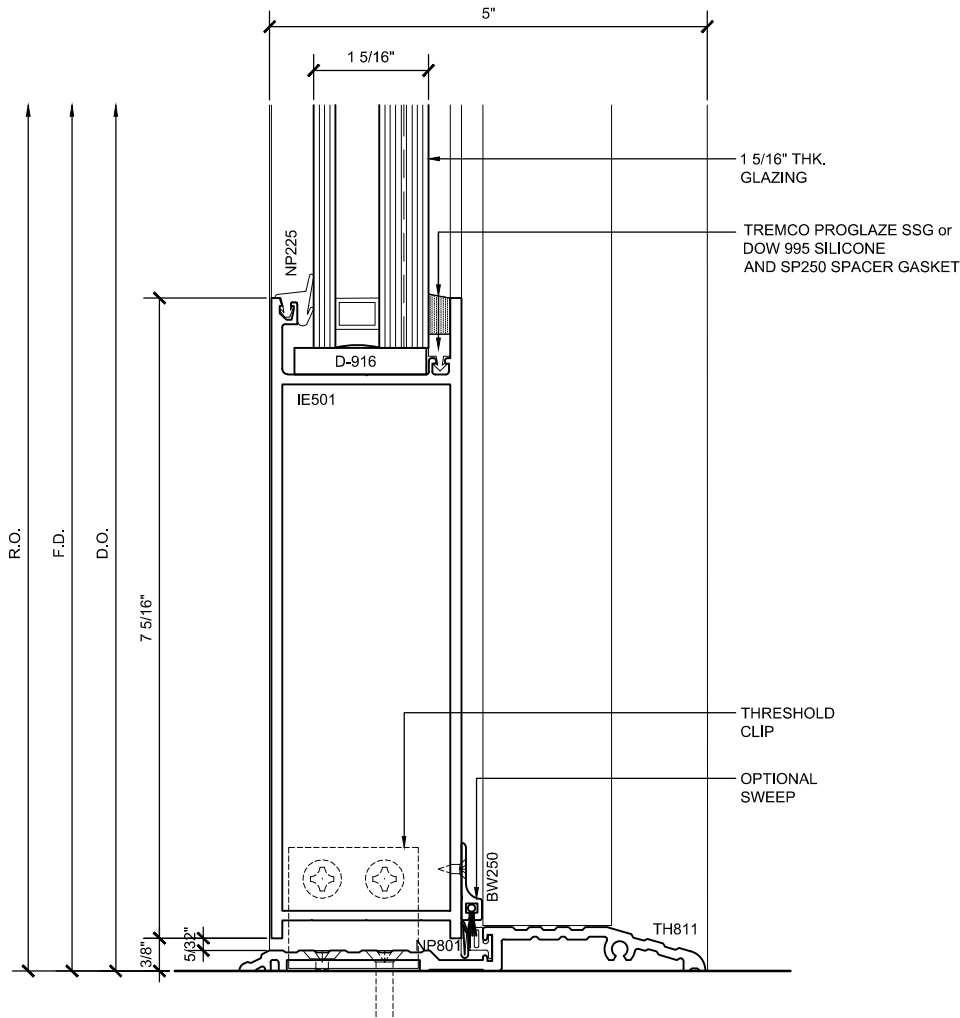
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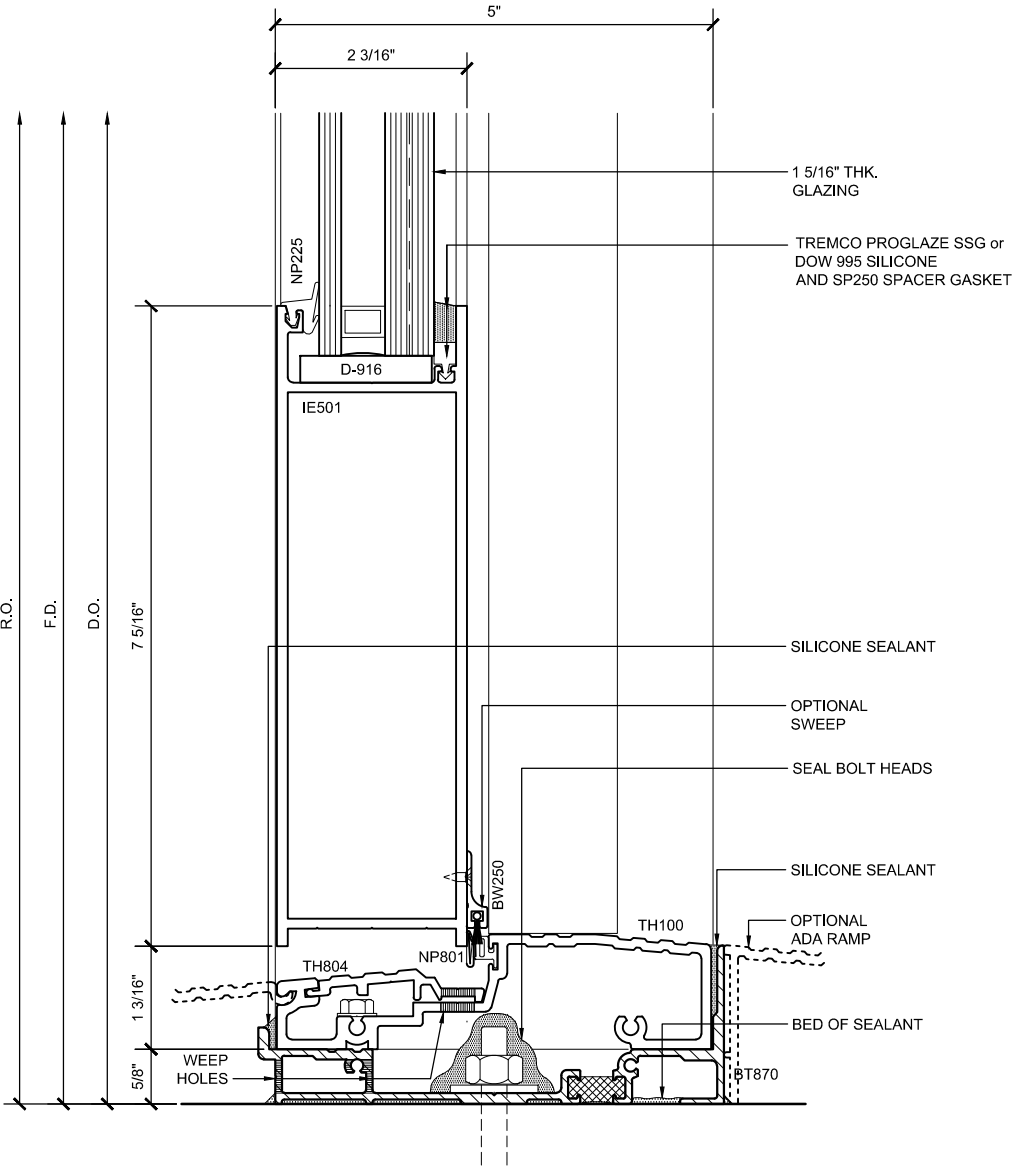
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SYSTEM DRAWINGS

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DOOR SILL DETAIL (6)
BT601 1'-0"=1'-0"



DOOR SILL DETAIL (6A)
BT601 - WITH HIGH PERFORMANCE
WATER-RESISTANT THRESHOLD 1'-0"=1'-0"

DEFENDER SERIES BT601- SYSTEM DETAILS

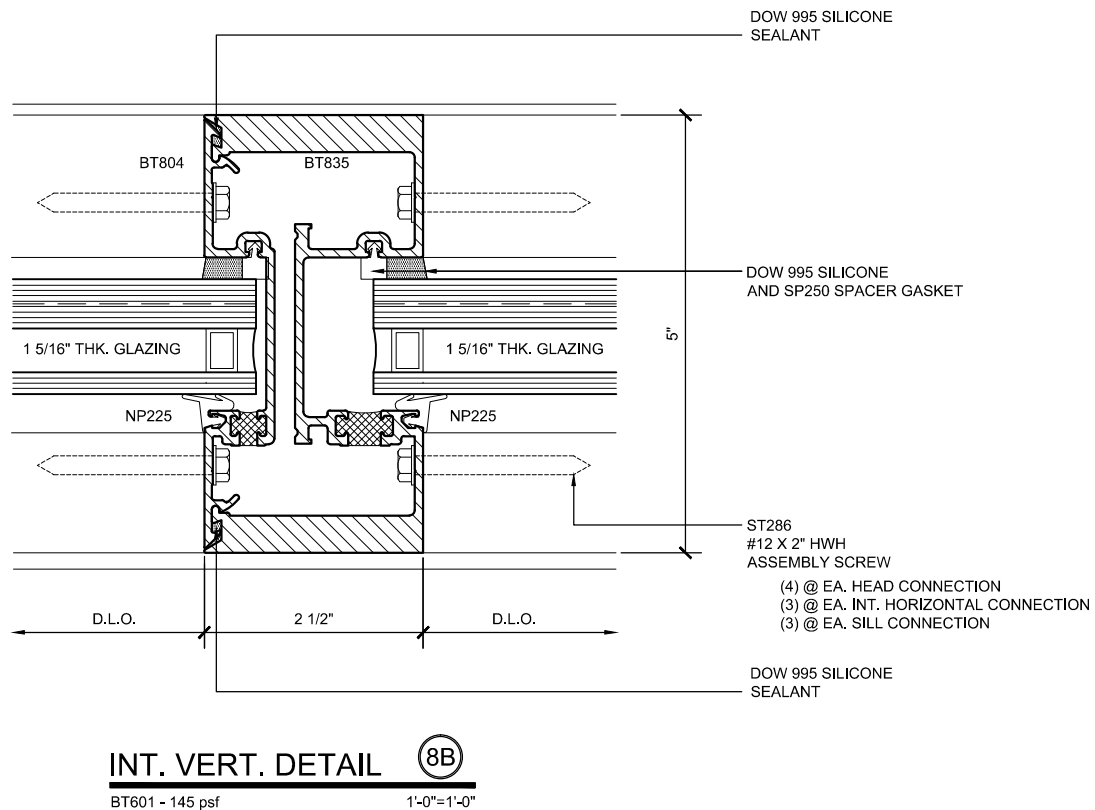
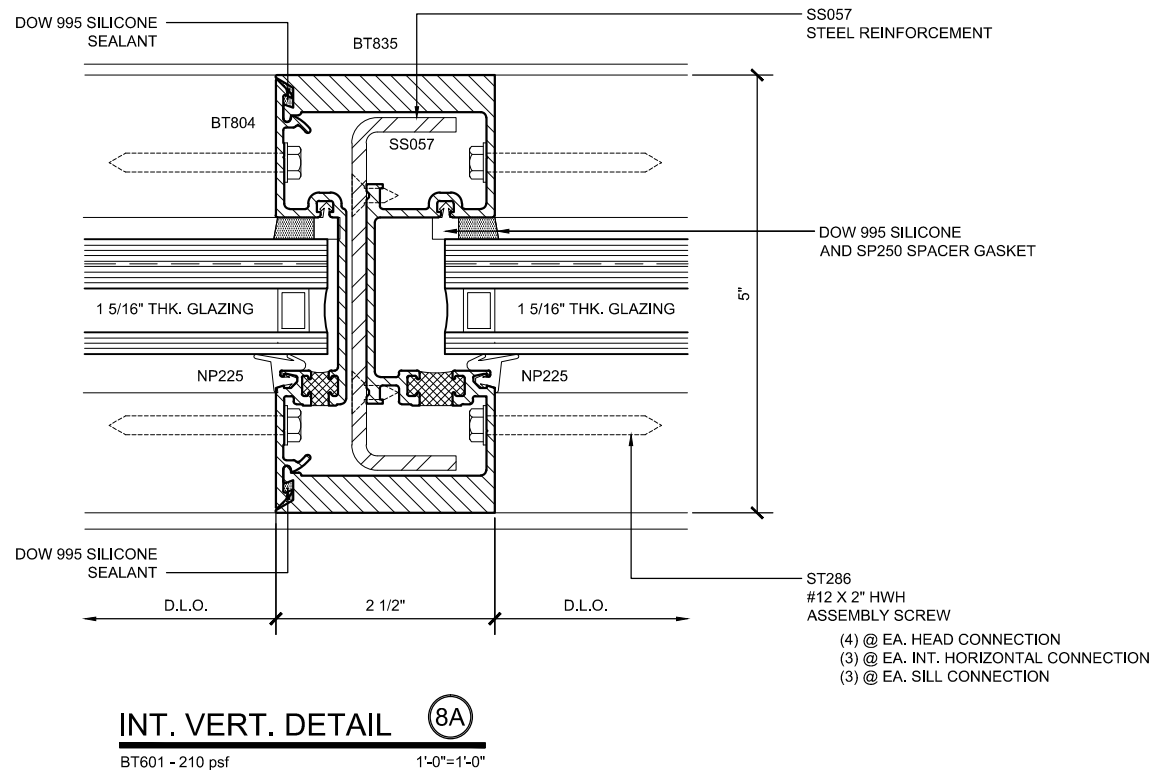
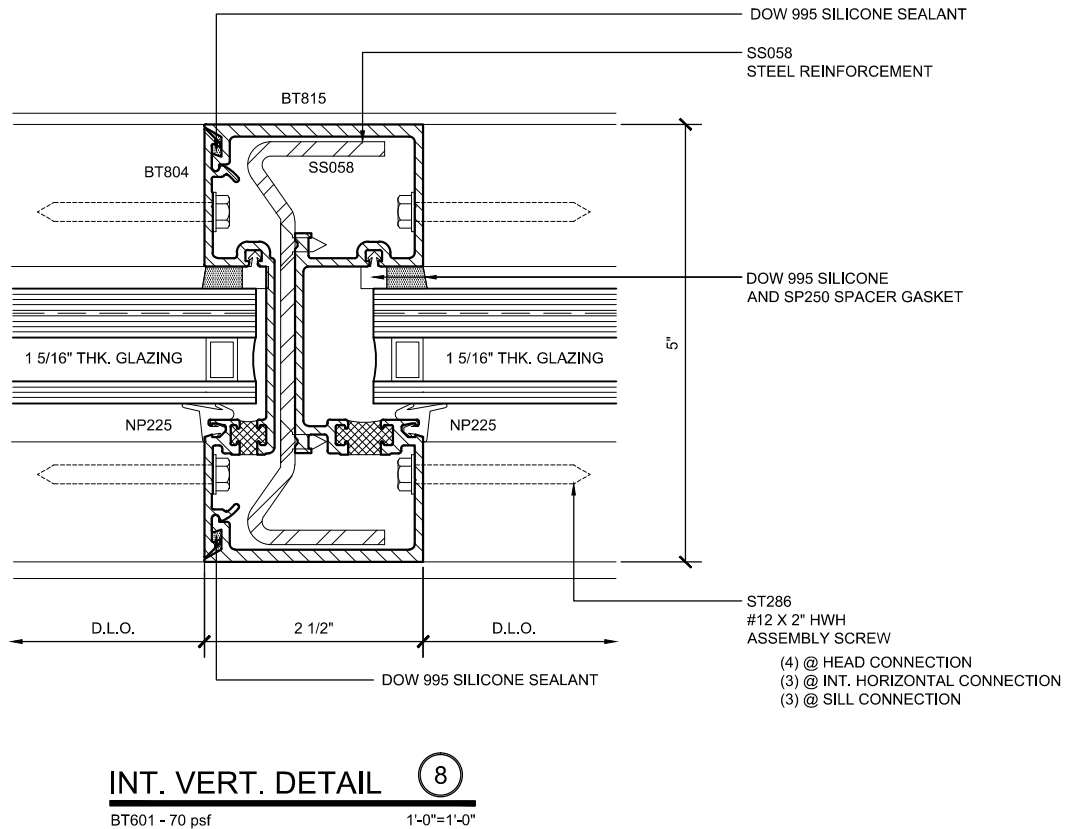
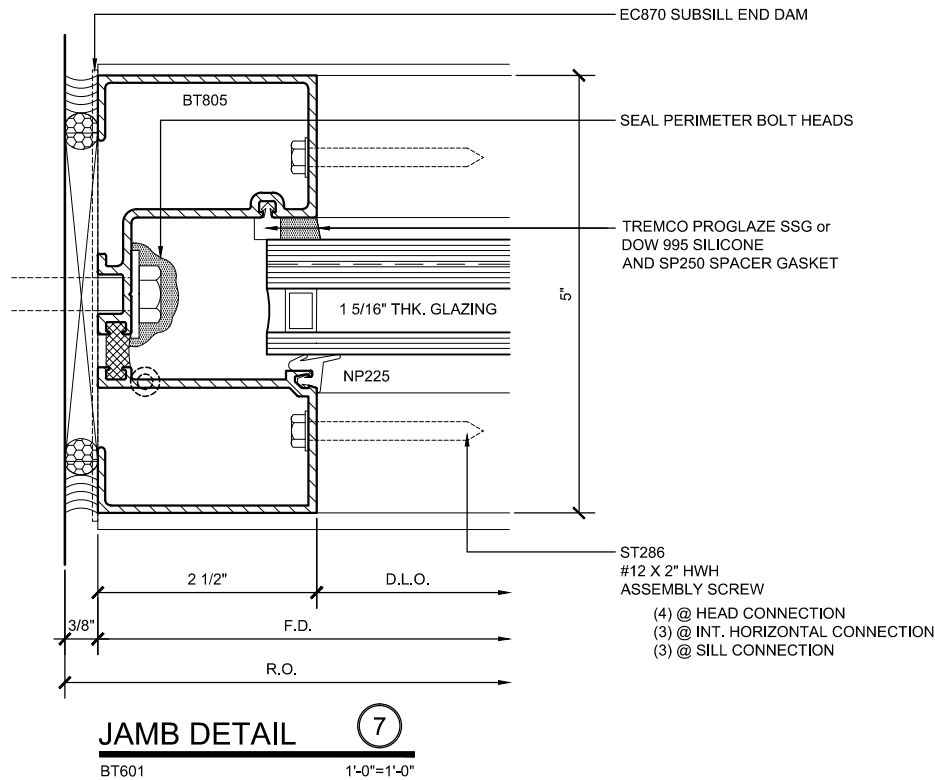
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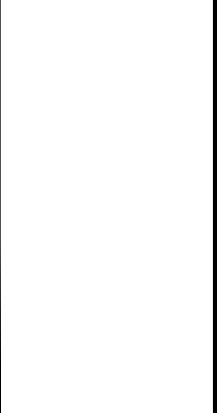
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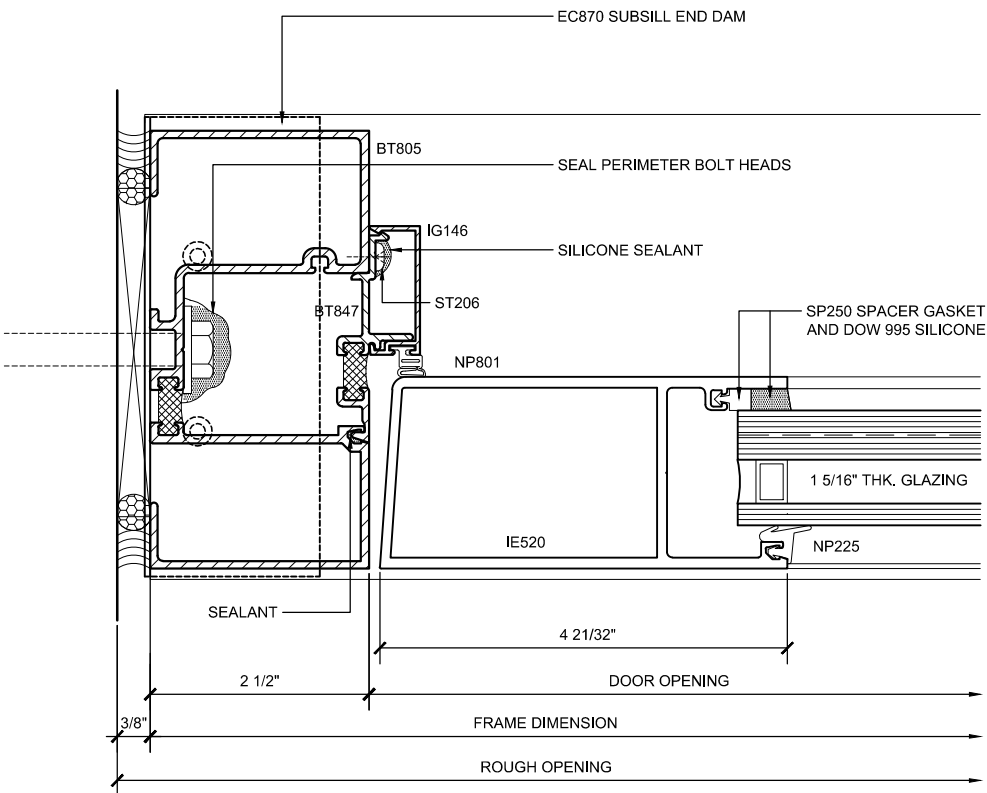
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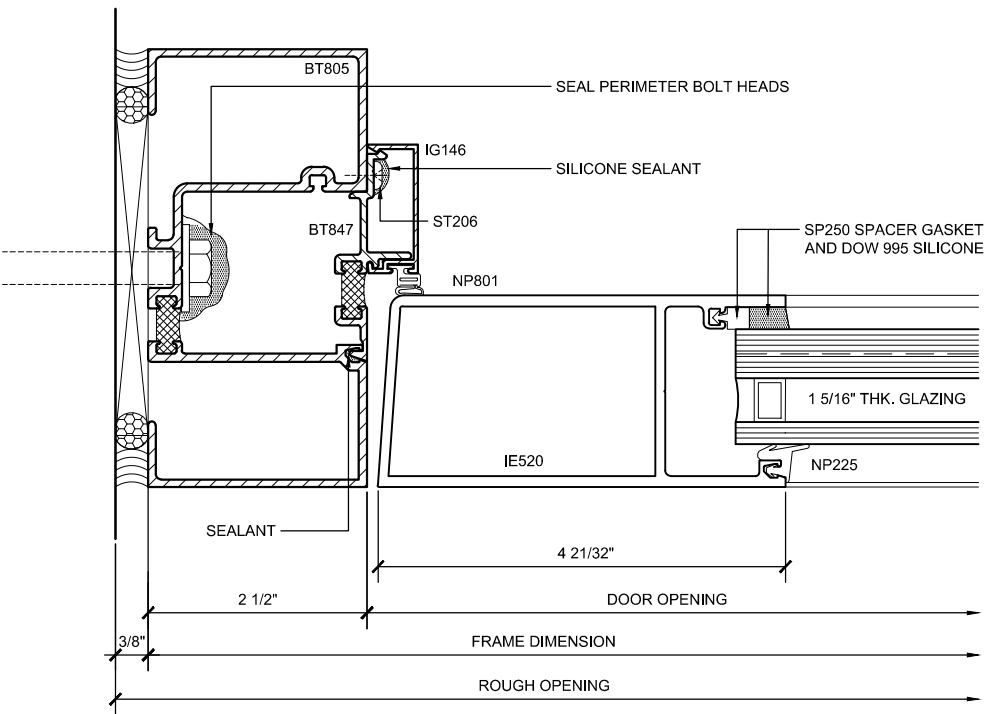
3.06



DOOR / WALL JAMB DETAIL
AT WATER RESISTANT
THRESHOLD

10

1'-0"=1'-0"



DOOR / WALL JAMB DETAIL
AT AIR RESISTANT
THRESHOLD

10A

1'-0"=1'-0"

DEFENDER SERIES BT601- SYSTEM DETAILS

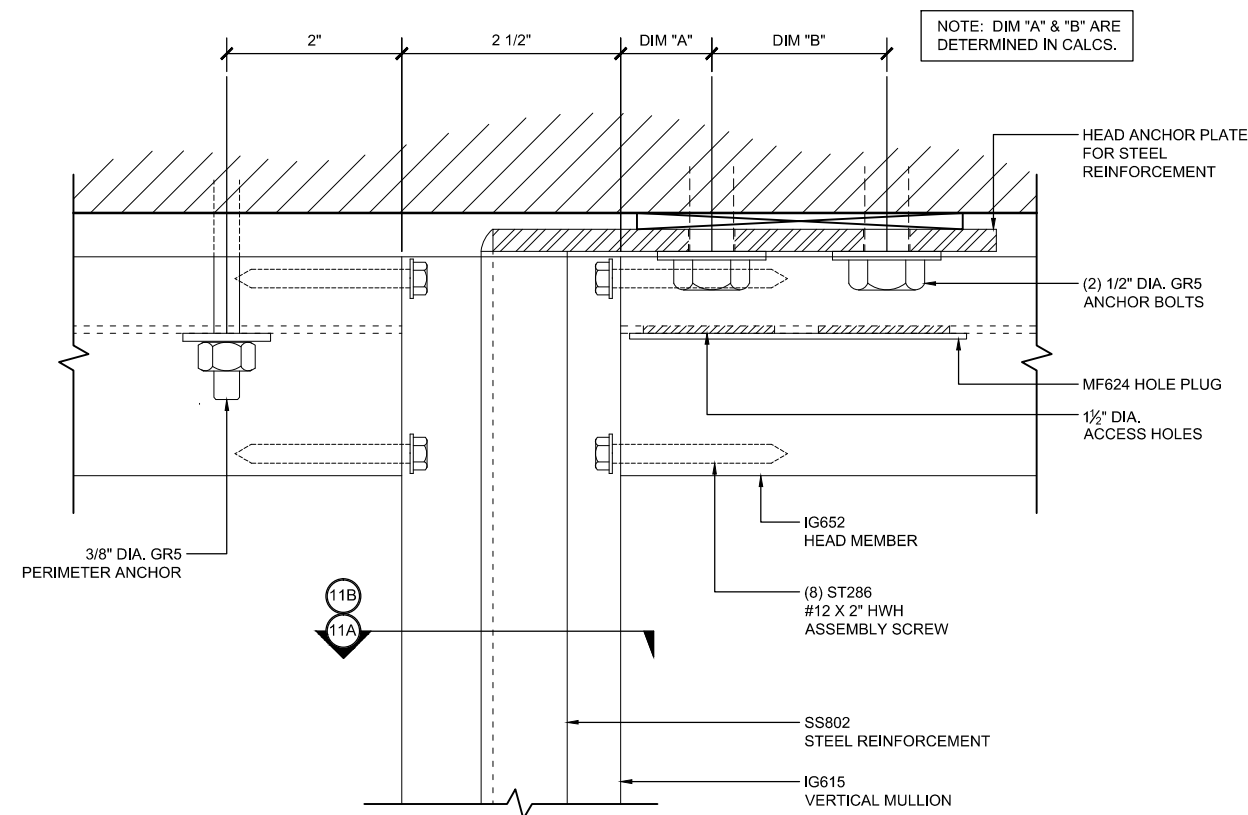
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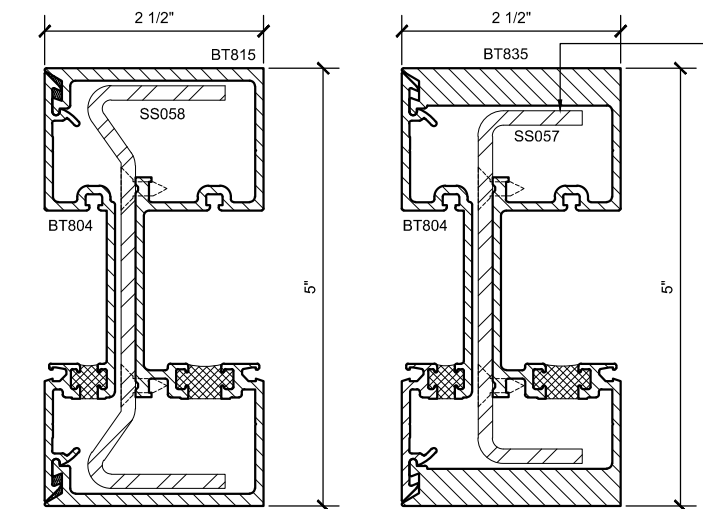
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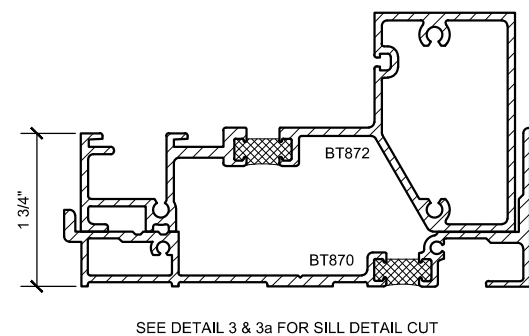


HEAD ELEV. VIEW (11)
BT601 1'-0"=1'-0"

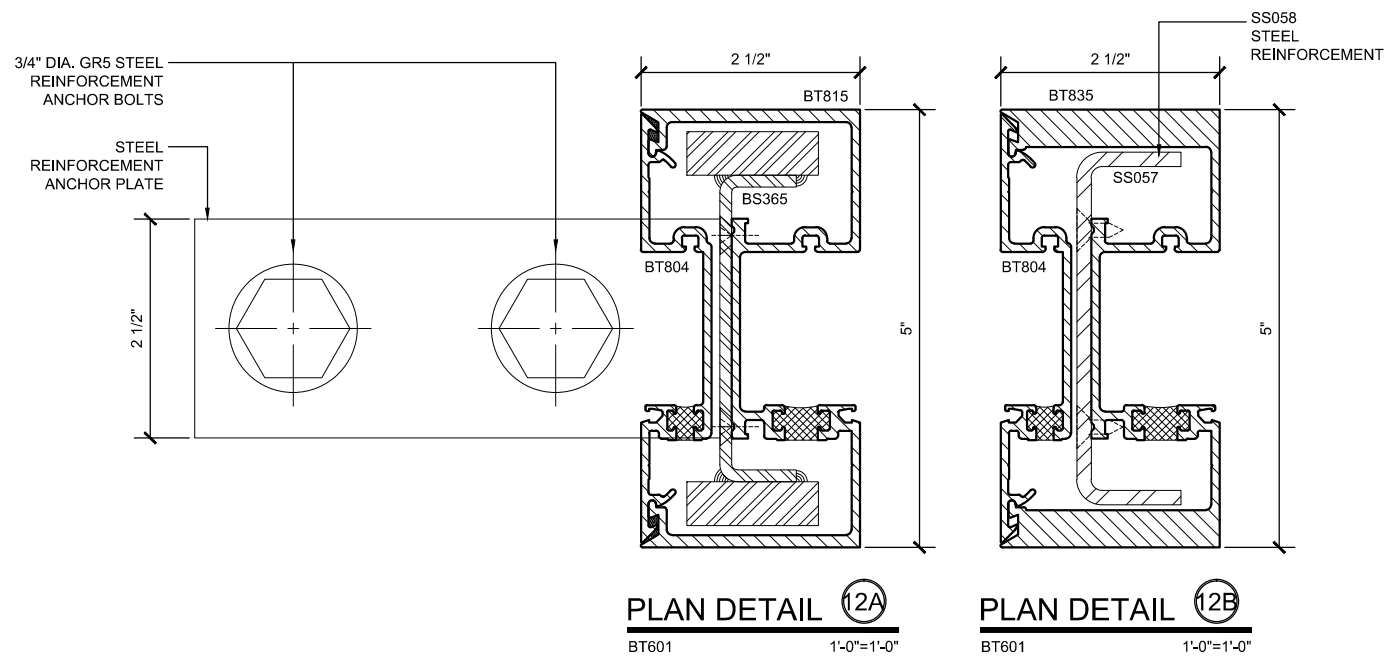


PLAN DETAILS (11A)
BT601 1'-0"=1'-0"

PLAN DETAILS (11B)
BT601 1'-0"=1'-0"

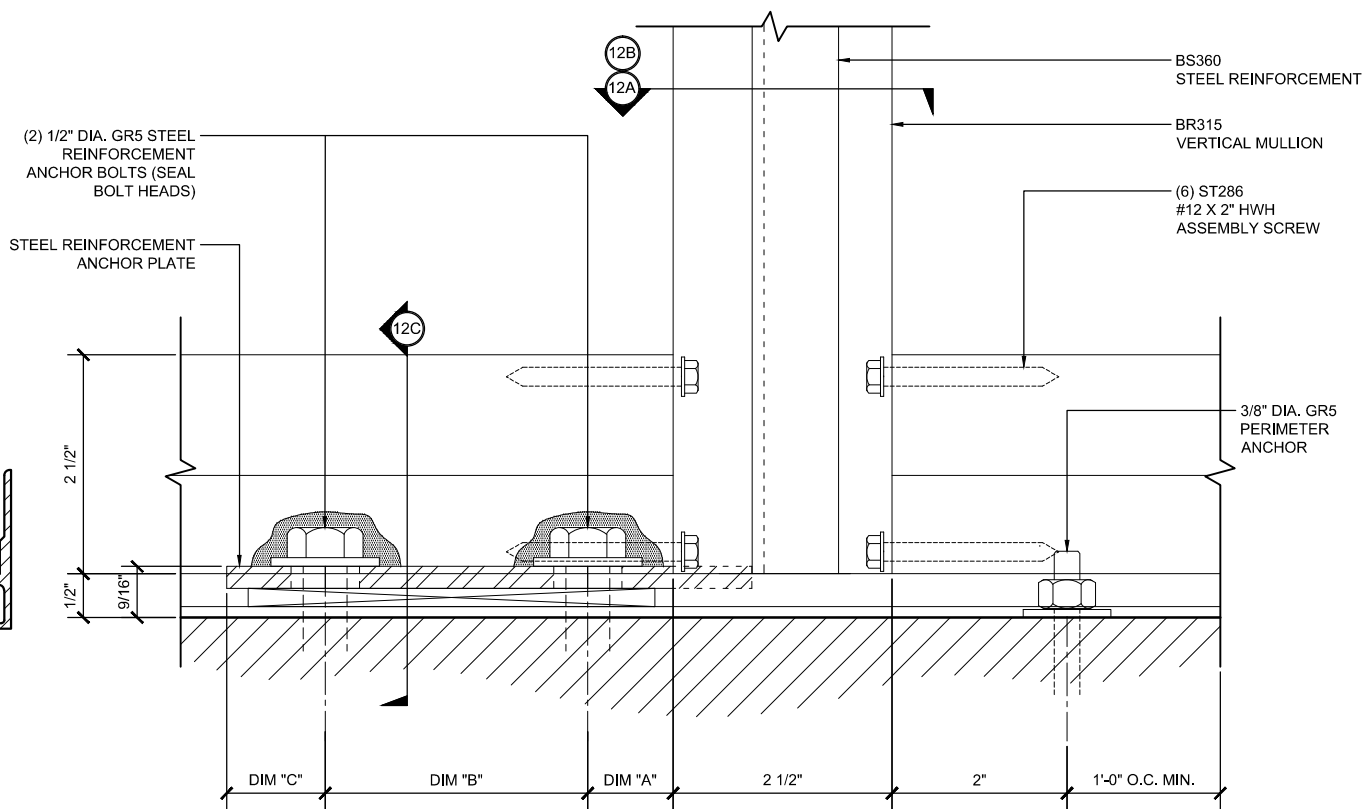


SECTION DETAIL (12C)
BT601 1'-0"=1'-0"



PLAN DETAIL (12A)
BT601 1'-0"=1'-0"

PLAN DETAIL (12B)
BT601 1'-0"=1'-0"



SILL ELEV. VIEW (12)
BT601 1'-0"=1'-0"

NOTE TO DRAFTSMAN:
THESE DETAILS MUST BE MODIFIED TO ILLUSTRATE THE FINAL
STEEL REINFORCEMENT SIZE, SHAPE AND ANCHORING
REQUIREMENTS THAT ARE TO BE DETERMINED FOR EACH
INDIVIDUAL PROJECT CALCULATIONS.

DEFENDER SERIES BT601 - SYSTEM DETAILS

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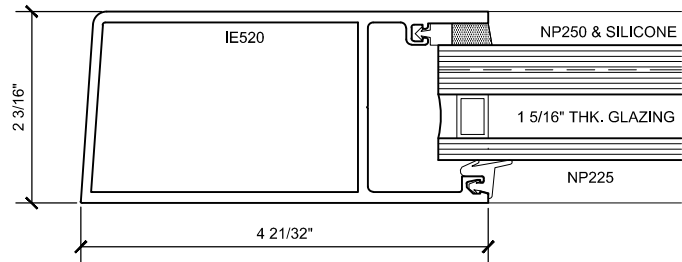
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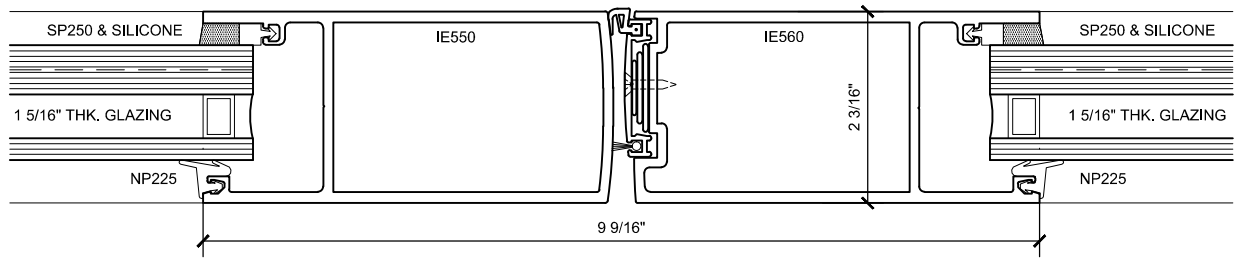
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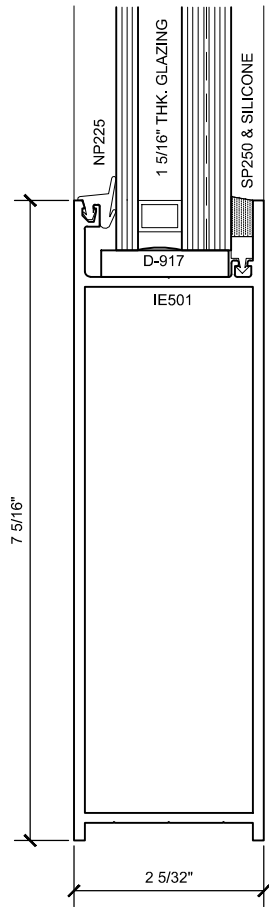
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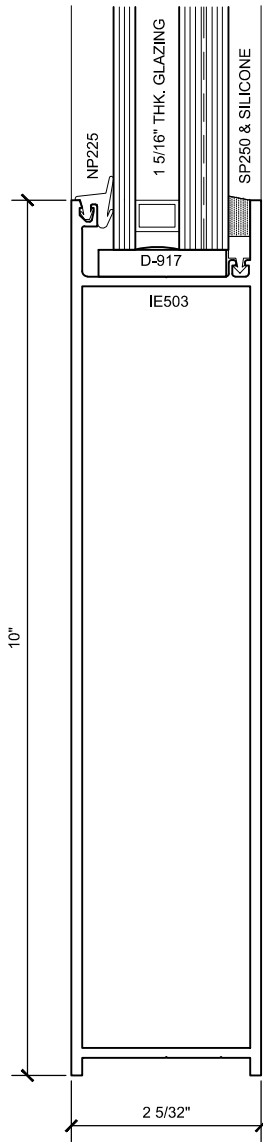
HINGE STILE (13)
BT601 1'-0"=1'-0"



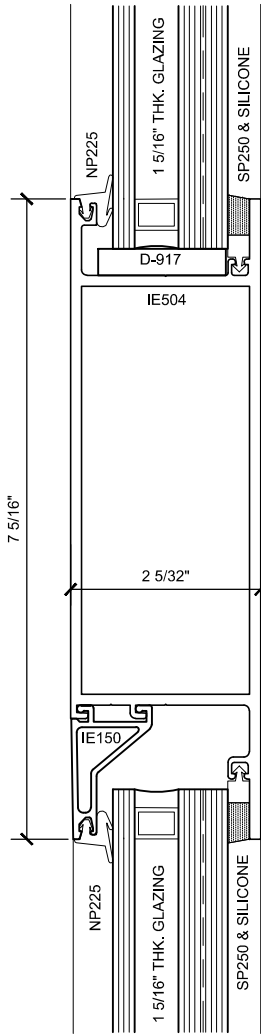
MEETING STILES (14)
BT601 1'-0"=1'-0"



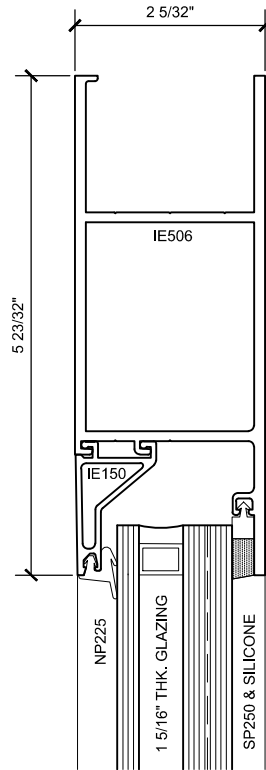
7 in. BOT. RAIL (15)
BT601 1'-0"=1'-0"



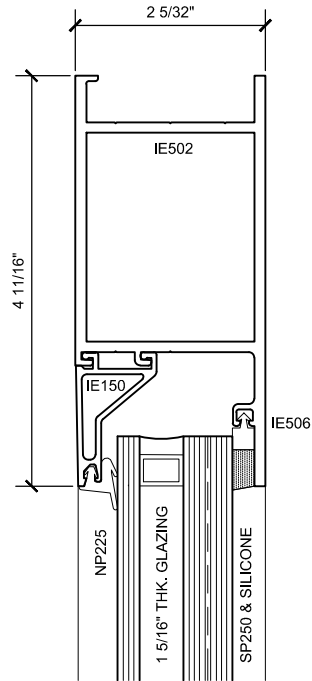
10 in. BOT. RAIL (16)
BT601 1'-0"=1'-0"



MUNTIN (17)
BT601 1'-0"=1'-0"



TOP RAIL CONC. CLOSER (18)
BT601 1'-0"=1'-0"



TOP RAIL SURF. CLOSER (19)
BT601 1'-0"=1'-0"

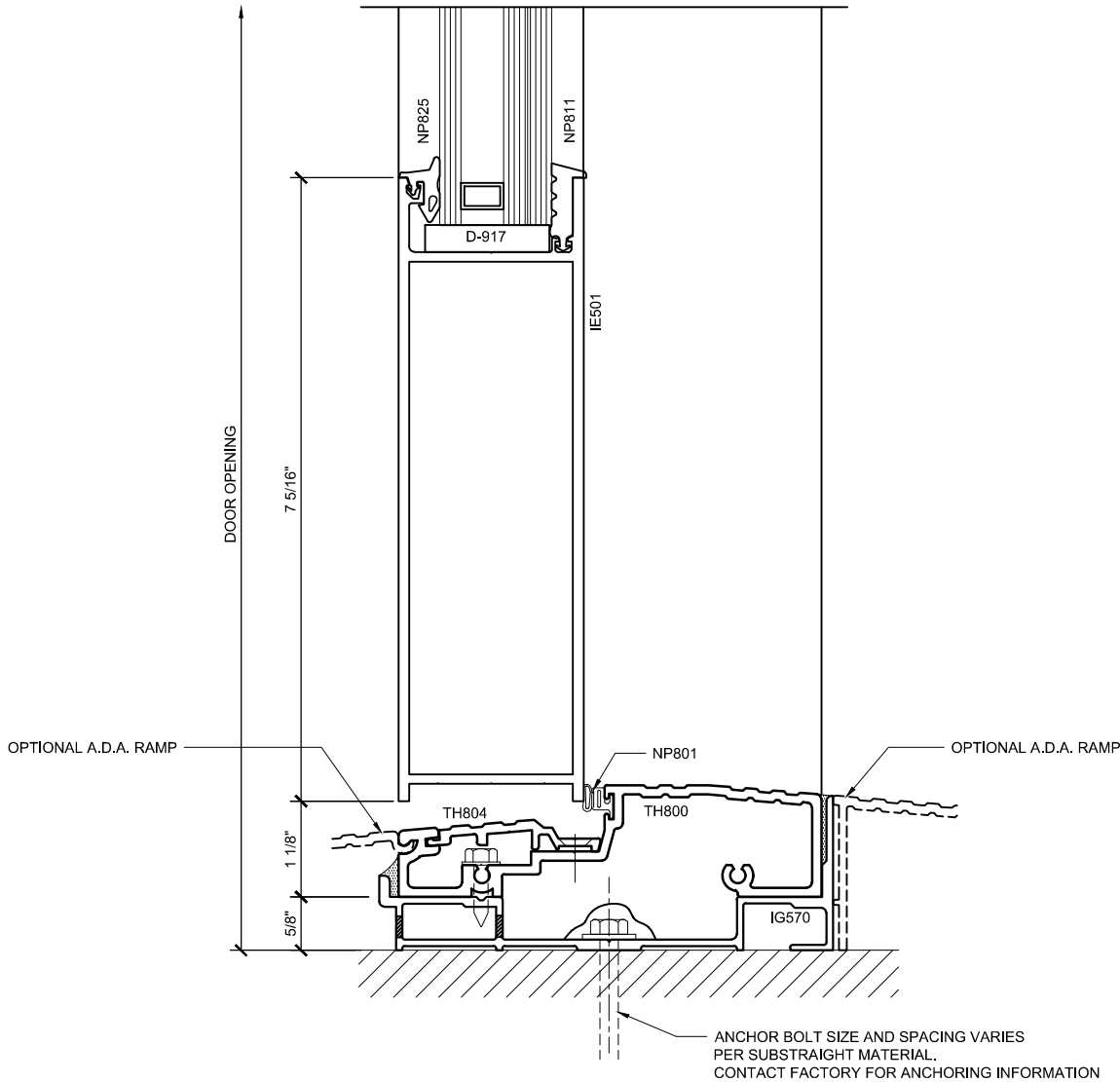
DEFENDER SERIES BT601 - SYSTEM DETAILS

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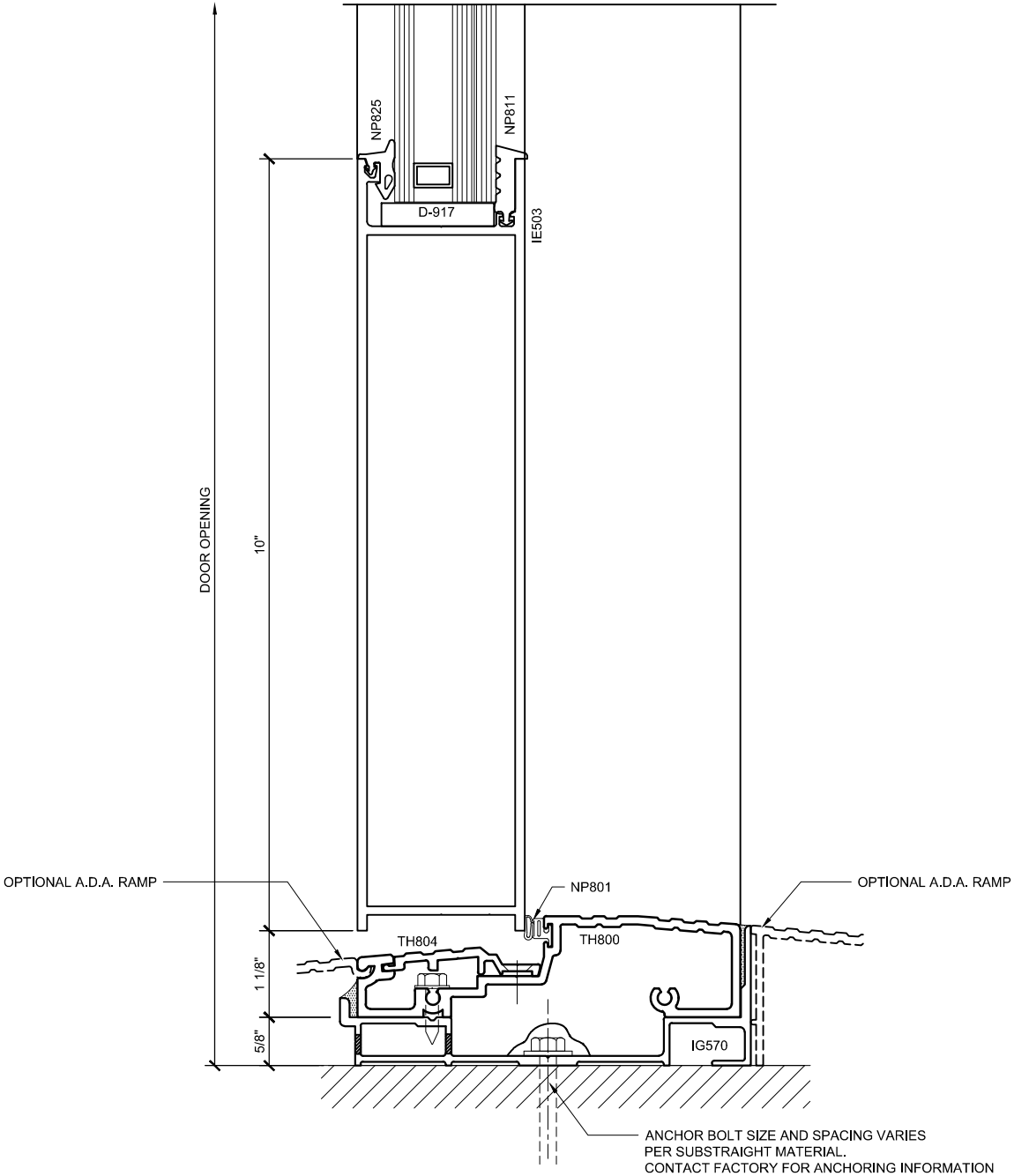
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SYSTEM DRAWINGS

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SECTION DETAIL AT
WATER RESISTANT THRESHOLD (20)
1'-0"=1'-0"



SECTION DETAIL AT
WATER RESISTANT THRESHOLD (21)
1'-0"=1'-0"

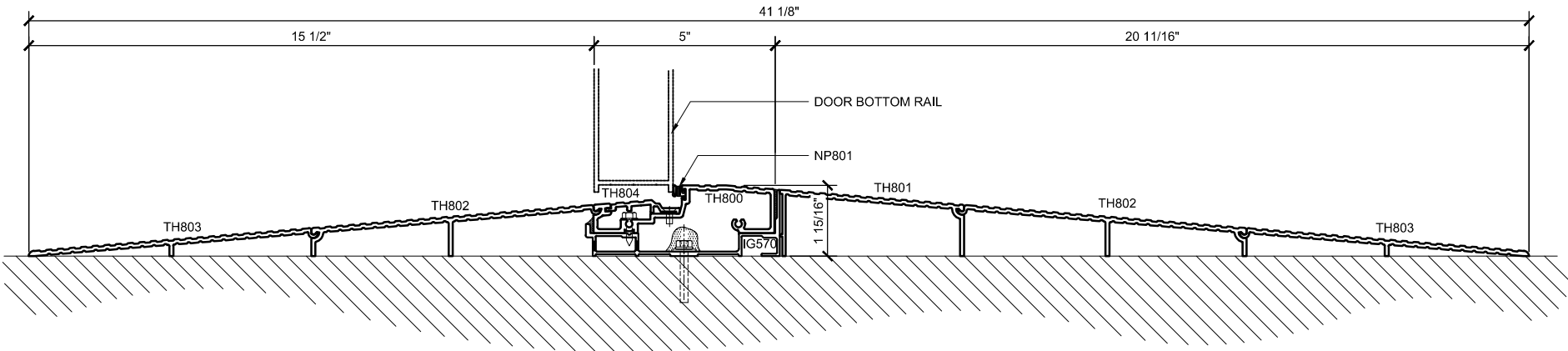
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SECTION DETAIL AT A.D.A RAMP
OPTIONAL
FOR WATER RESISTANT THRESHOLD

6"=1'-0"

22

DEFENDER SERIES BT601 - SYSTEM DETAILS

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