

U.S. ALUMINUM WINDOW WALL BG SYSTEMS

SERIES BG450

WINDOW WALL BG450 SYSTEMS SPECIFICATIONS

TECHNICAL DATA:

BG450 Systems are ideal for a low to mid-rise structural silicone glazed fixed horizontal ribbon window. These systems were designed for three types of configuration: two-sided structural silicone support; captured glazing; a combination of these two configurations.

Designed for stacking installation, these systems may be glazed from the interior or exterior.

Dual or two-tone colors can be achieved by specifying different finishes for the optional exterior face covers and interior mullions.

SPECIAL FEATURES:

- * The sill channel provides a continuous gutter for exterior weepage through elongated baffled weep holes. Injection Molded End Dams are provided for sealing the gutter ends. Back portion of the channel remains dry where sill is anchored to the structure.
- * A uniquely designed Injection Molded Water Deflector is used for weeping infiltrated water to the exterior at the intersection of the intermediate horizontal and vertical mullions. The Contoured Water Deflector allows for an uninterrupted gasket seal at the intersection of intermediate horizontal and vertical mullions.
- * Reusable Twist-in Temporary Glass Retainers hold the glass in place during the structural silicone curing period. The plastic retainer is designed to work for both 1" (25) and 1/4" (6) infills.

SERIES	FACE WIDTH	DEPTH	GLAZING INFILLS	GLAZING METHOD
BG450	2-1/4" (57.2)	4-1/2" (114.3)	1/4" (6)	Exterior / Interior

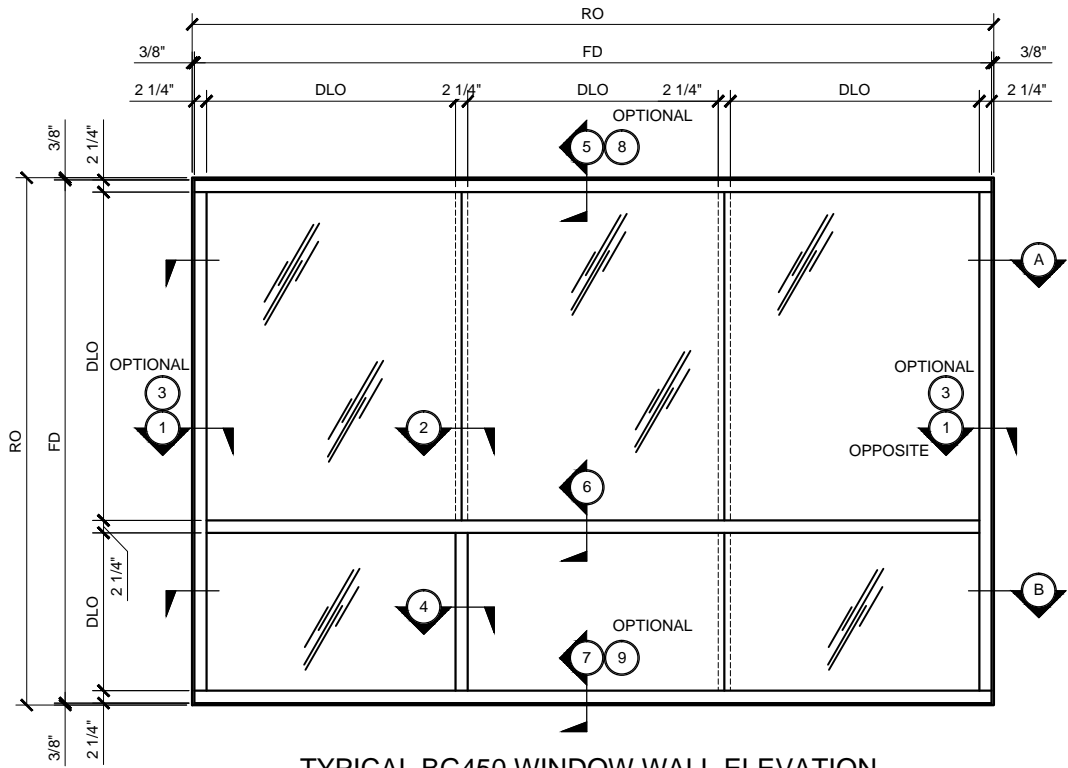
STANDARD ABBREVIATIONS

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

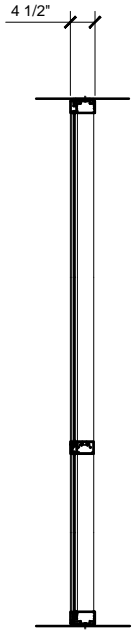
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TYPICAL BG450 WINDOW WALL ELEVATION
4 1/2" DEEP / SINGLE GLAZED SYSTEM SCALE: 3/4" = 1'-0"



SECTION
SCALE: 3/4" = 1'-0"



TYPICAL BG450 WINDOW WALL PLAN 'A'
4 1/2" DEEP / SINGLE GLAZED SYSTEM SCALE: 3/4" = 1'-0"



TYPICAL BG450 WINDOW WALL PLAN 'B'
4 1/2" DEEP / SINGLE GLAZED SYSTEM SCALE: 3/4" = 1'-0"

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SMC	SURFACE MOUNTED CLOSER
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WINDOW WALL SERIES BG450 TYPICAL ELEVATIONS

4 1/2" DEEP SYSTEM

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U.S. ALUMINUM WINDOW WALL SERIES BG450 SYSTEM

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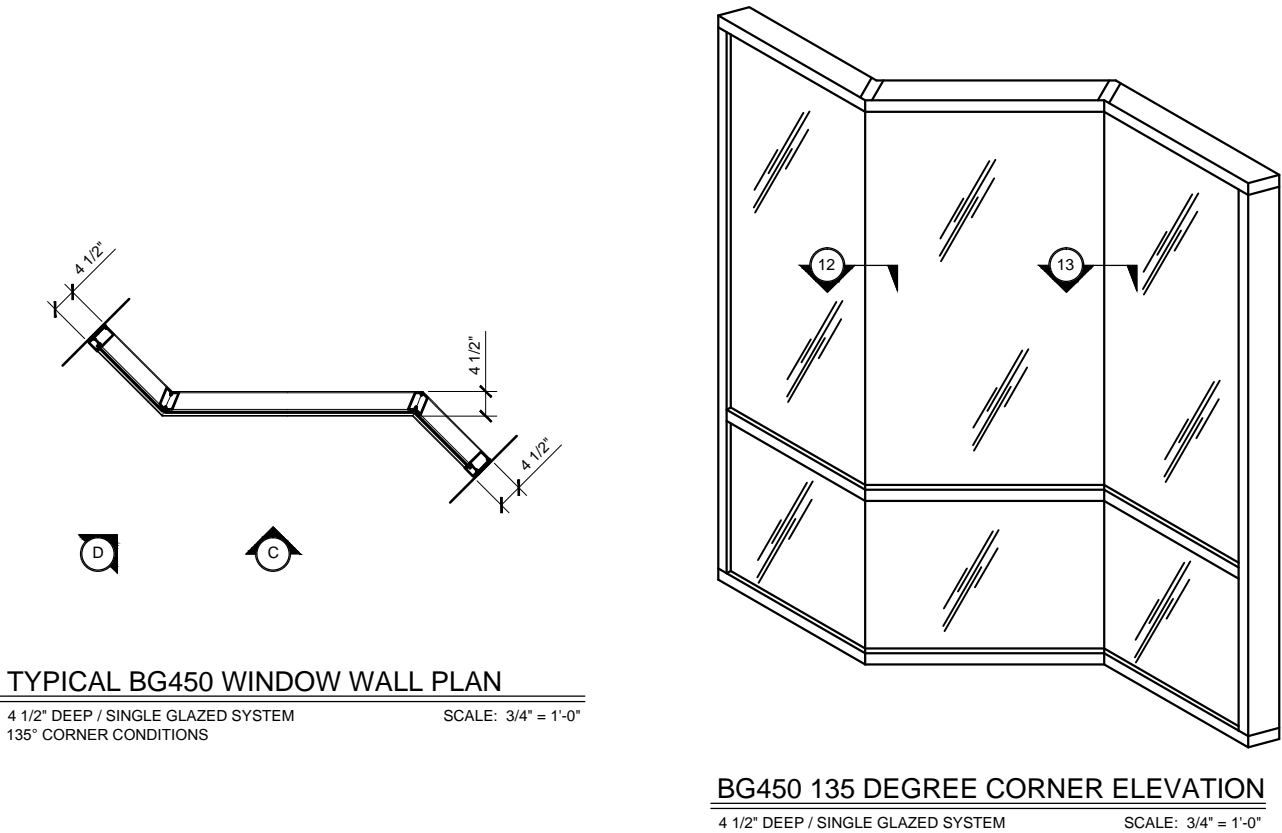
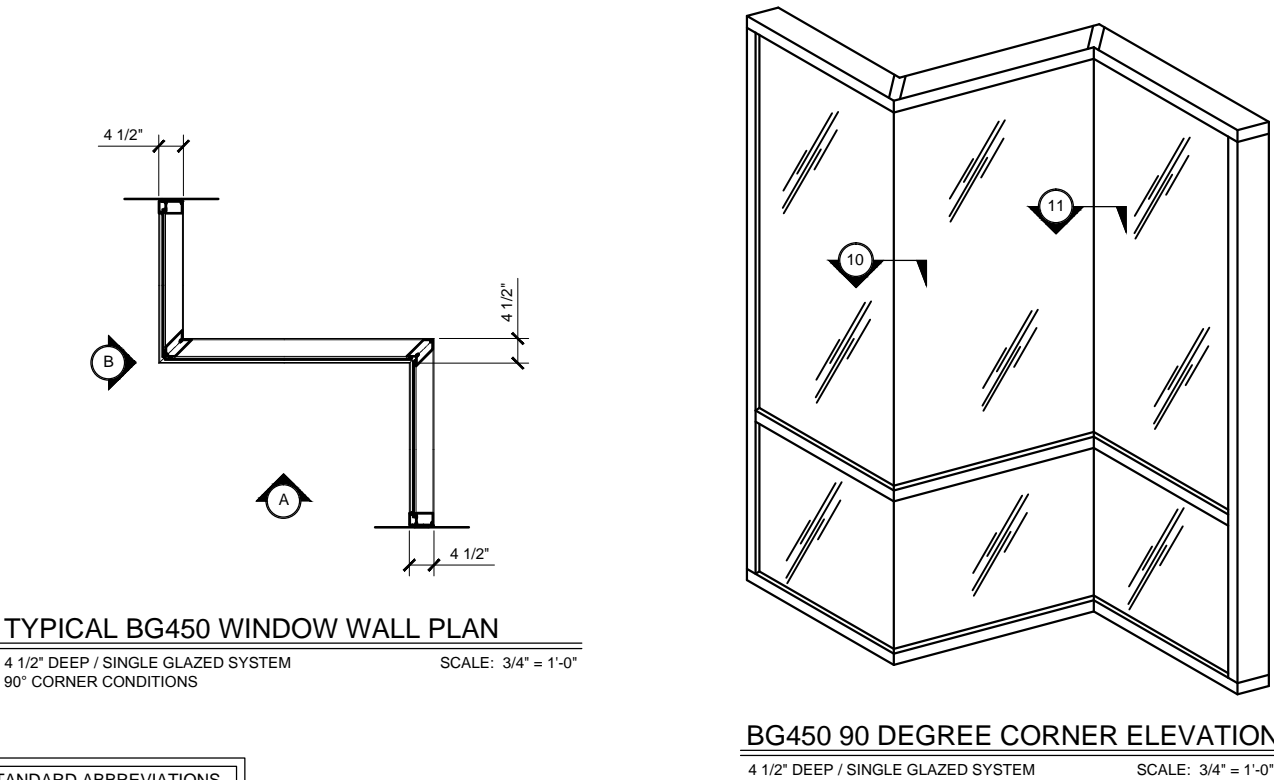
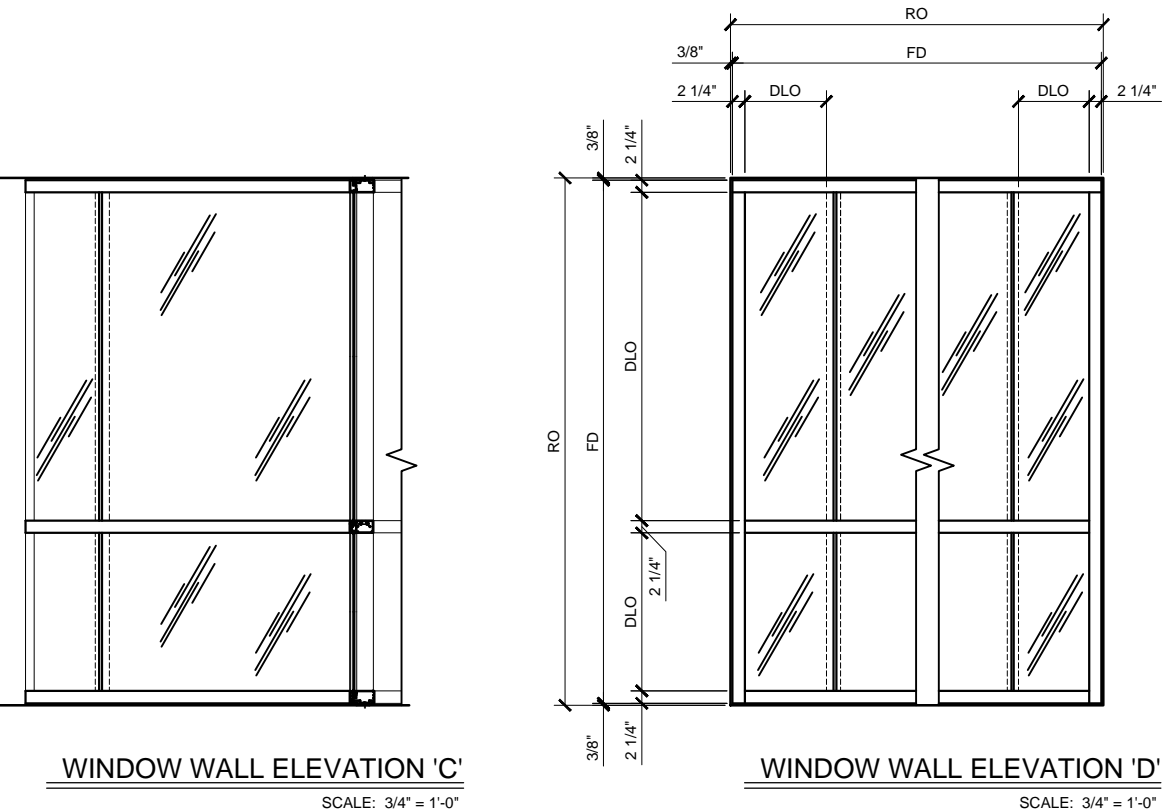
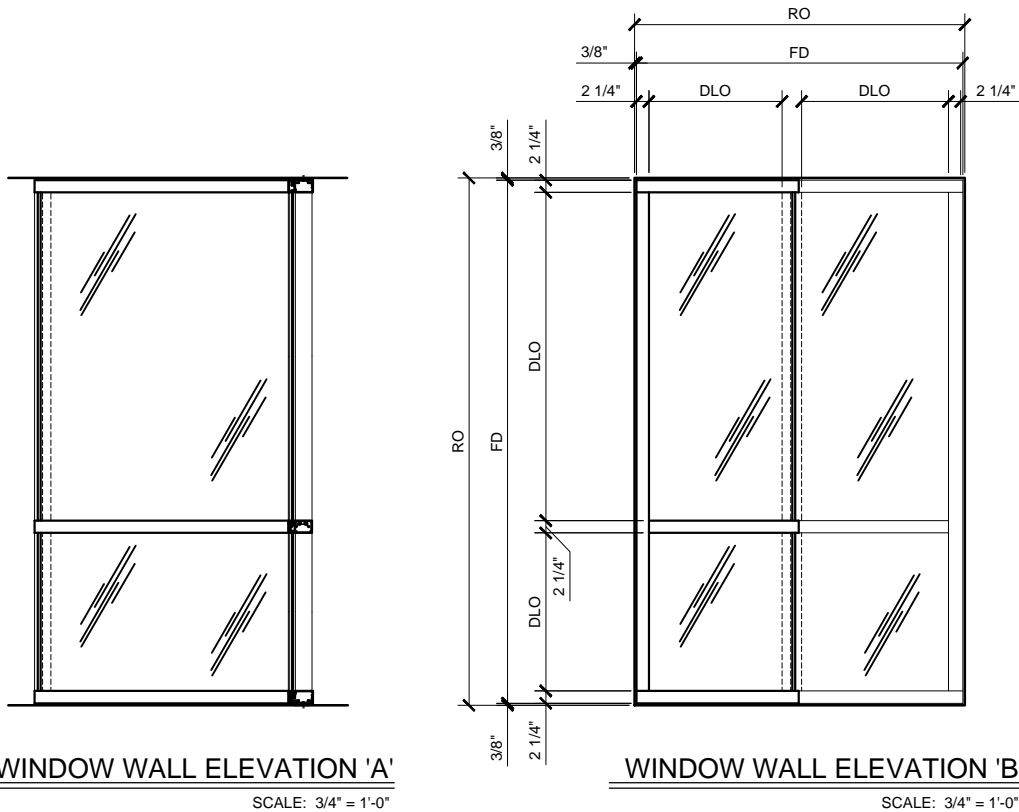


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U.S. ALUMINUM
WINDOW WALL - BG
SERIES BG450
SYSTEM DRAWINGS

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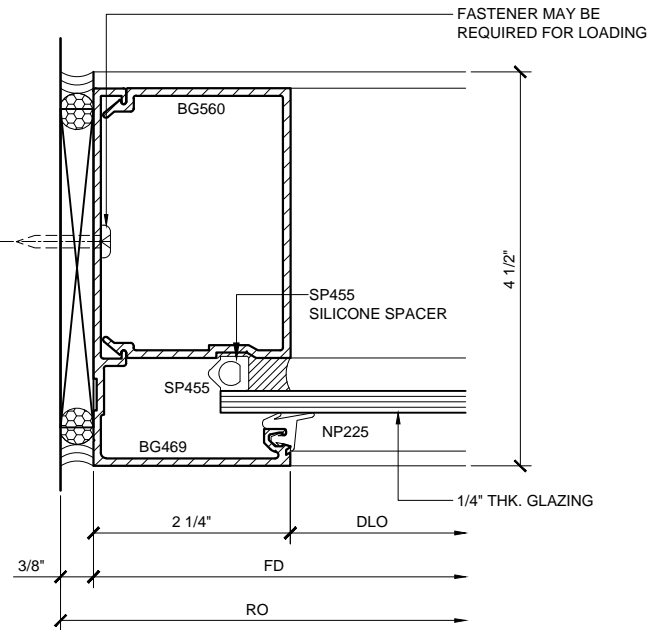


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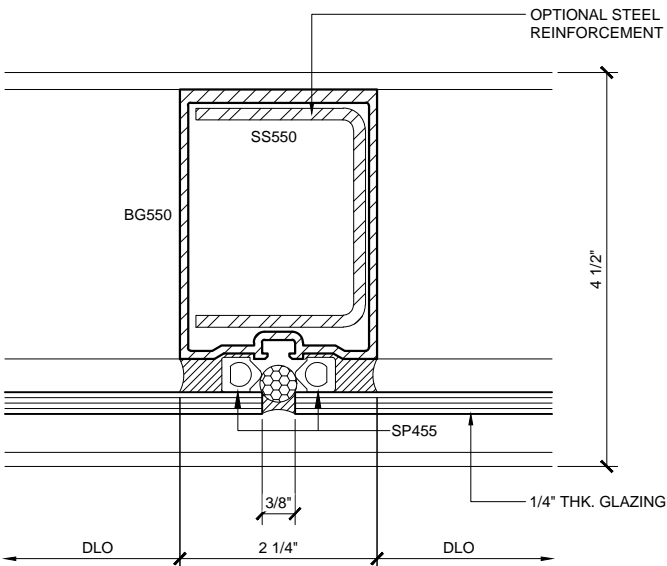
WINDOW WALL SERIES BG450 TYPICAL ELEVATIONS

4 1/2" DEEP SYSTEM

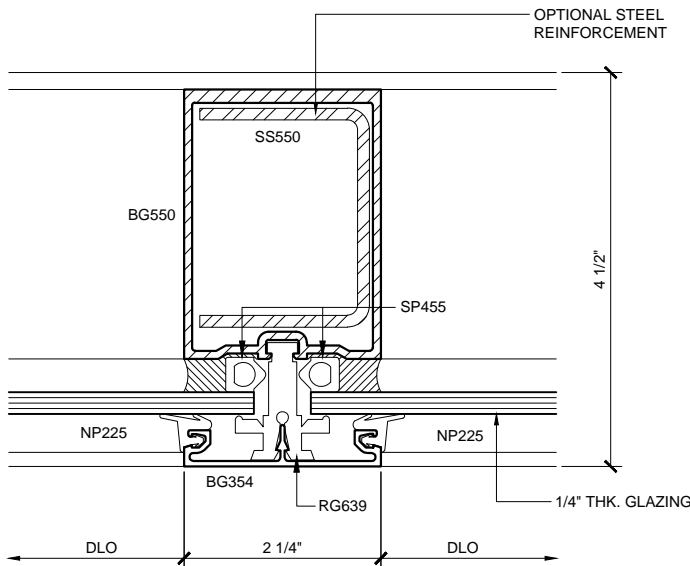
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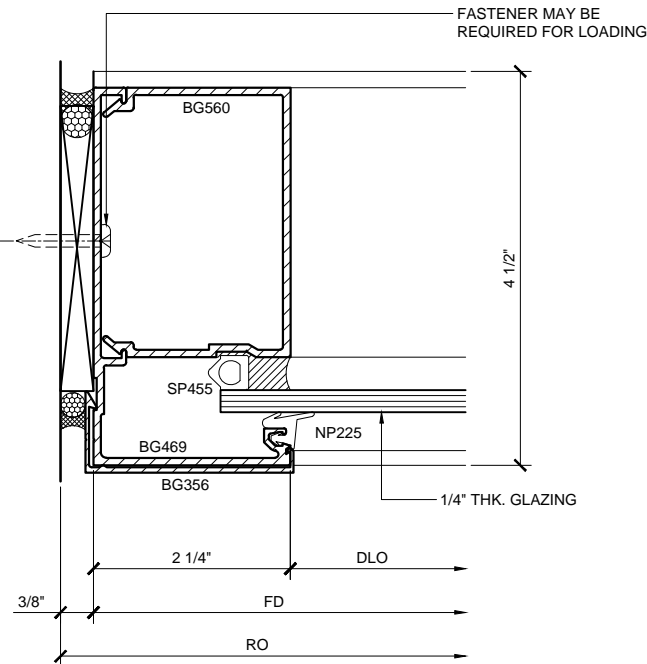
JAMB PLAN (1)
BG450 SINGLE GLAZED 1'-0"=1'-0"



INTERMEDIATE VERTICAL (2)
BG450 SINGLE GLAZED 1'-0"=1'-0"



INTERMEDIATE VERTICAL (4)
BG450 SINGLE GLAZED 1'-0"=1'-0"



JAMB PLAN w/ OPTIONAL FACE CAP (3)
BG450 SINGLE GLAZED 1'-0"=1'-0"

WINDOW WALL SERIES BG450 - 4 1/2" DEEP SYSTEM DETAILS

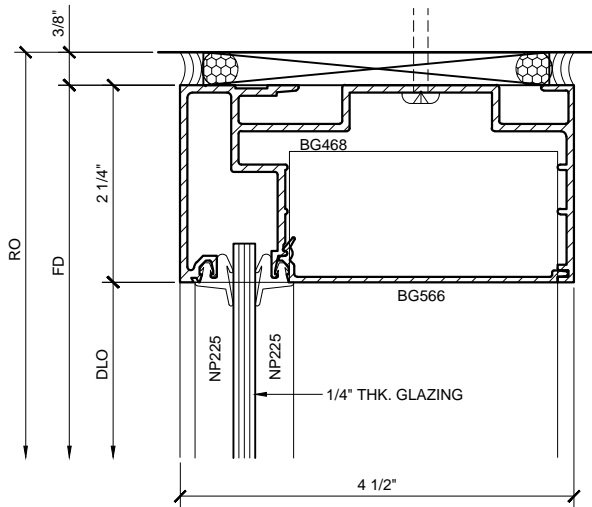
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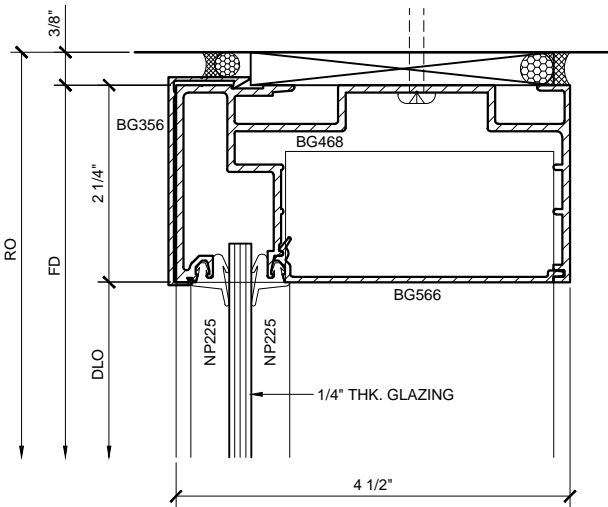
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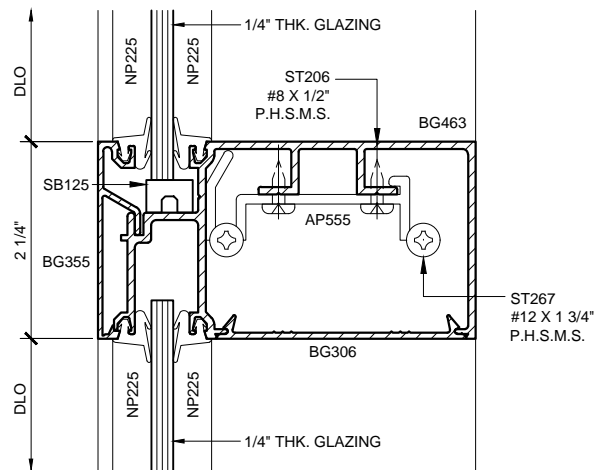
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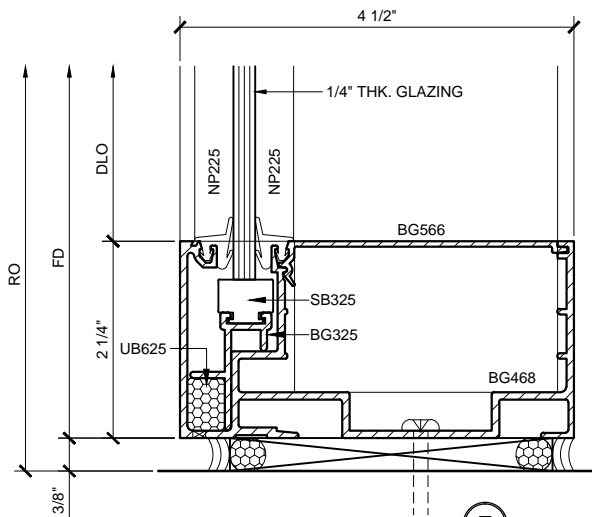
HEAD DETAIL 5
BG450 SINGLE GLAZED 1'-0"=1'-0"



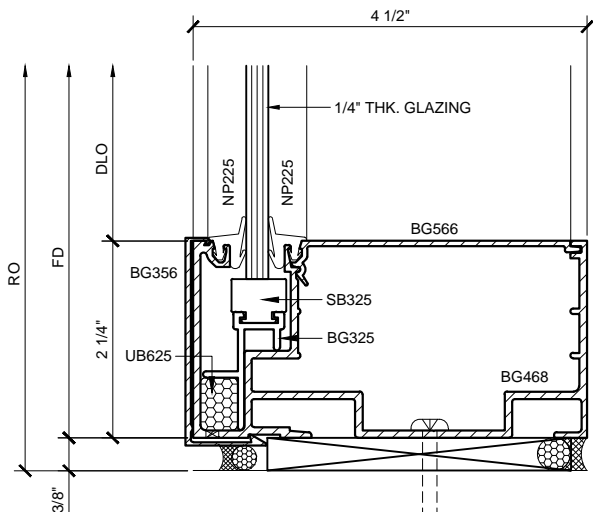
HEAD DETAIL w/ OPTIONAL FACE CAP 8
BG450 SINGLE GLAZED 1'-0"=1'-0"



INTERMEDIATE HOR. DETAIL 6
BG450 SINGLE GLAZED 1'-0"=1'-0"



SILL DETAIL 7
BG450 SINGLE GLAZED 1'-0"=1'-0"



SILL DETAIL w/ OPTIONAL FACE CAP 9
BG450 SINGLE GLAZED 1'-0"=1'-0"

WINDOW WALL SERIES BG450 - 4 1/2" DEEP SYSTEM DETAILS

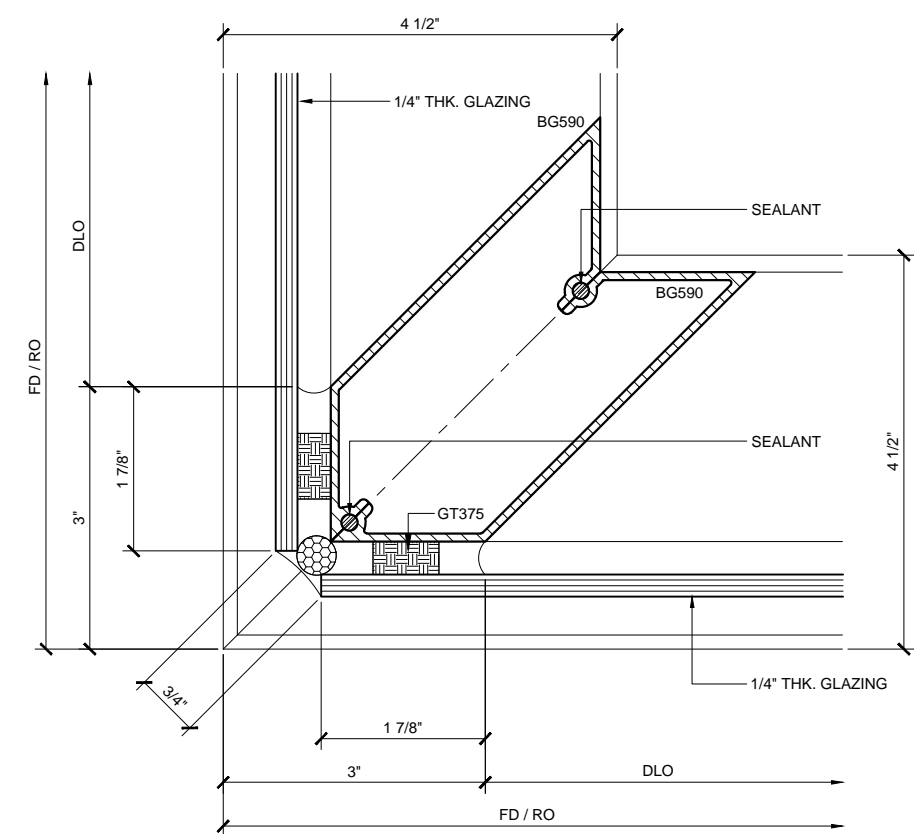
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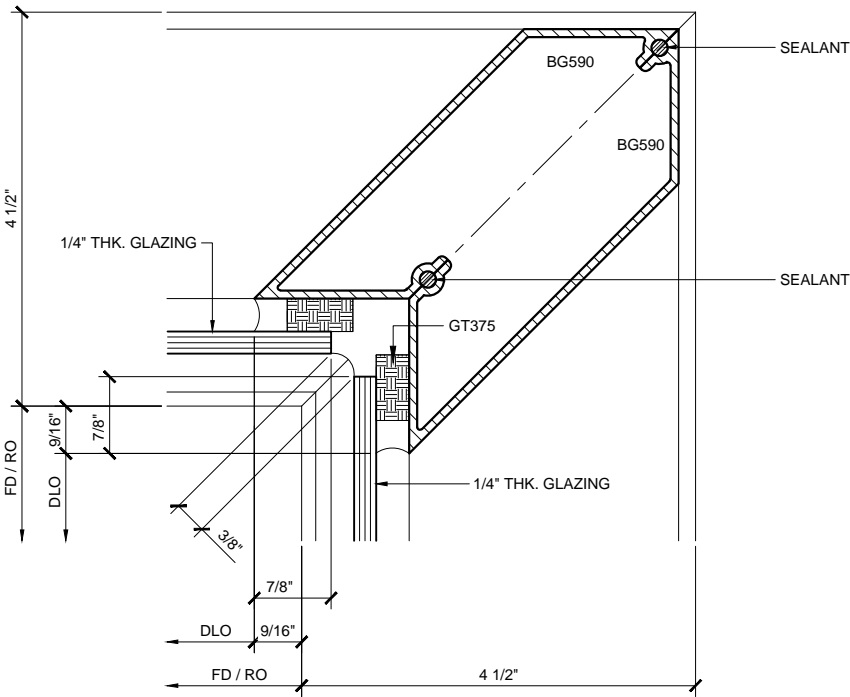
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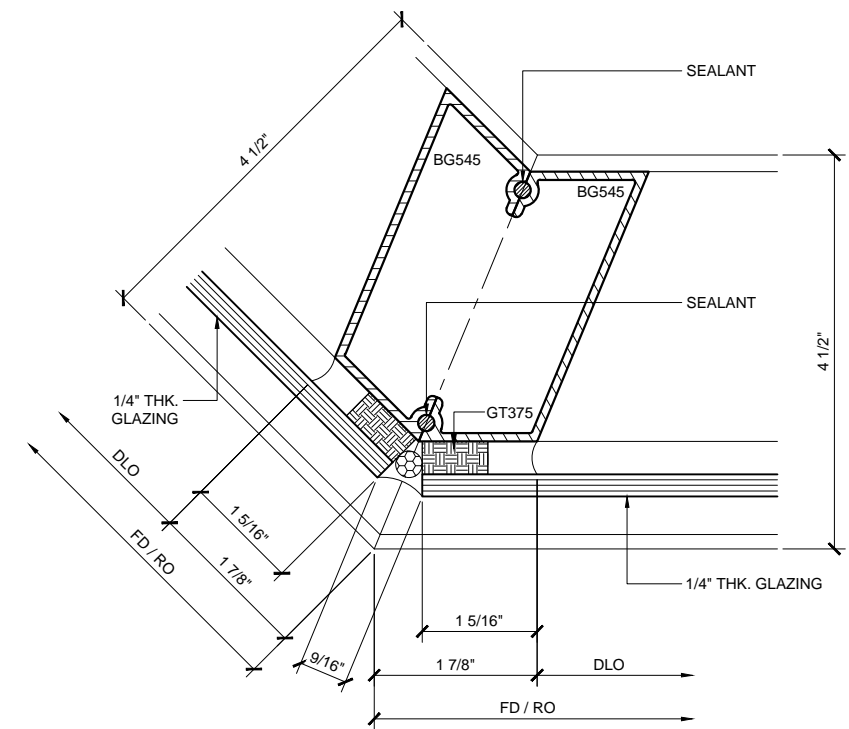
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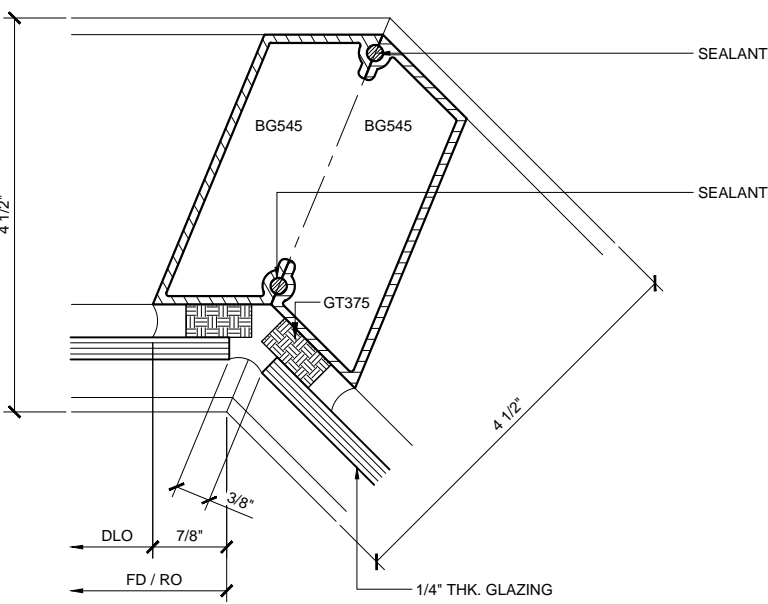
90° OUTSIDE CORNER (10)
BG450 SINGLE GLAZED 1'-0"=1'-0"



90° INSIDE CORNER (11)
BG450 SINGLE GLAZED 1'-0"=1'-0"



135° OUTSIDE CORNER (12)
BG450 SINGLE GLAZED 1'-0"=1'-0"



135° INSIDE CORNER (13)
BG450 SINGLE GLAZED 1'-0"=1'-0"

WINDOW WALL SERIES BG450 - 4 1/2" DEEP SYSTEM DETAILS

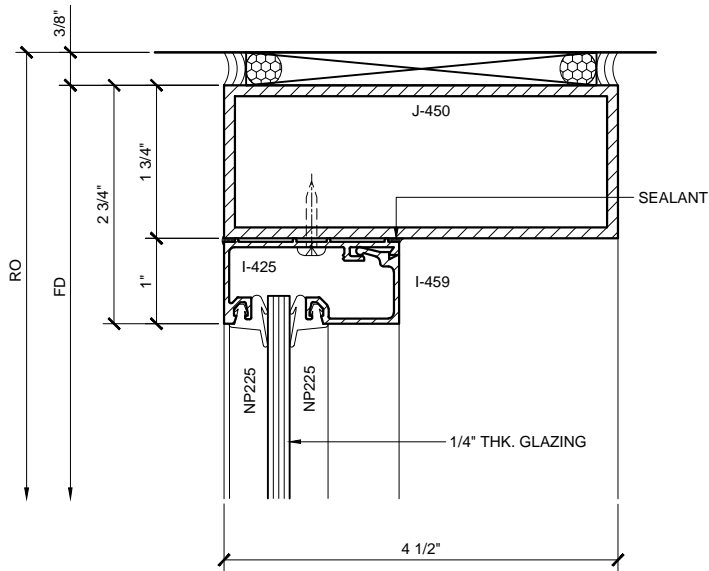
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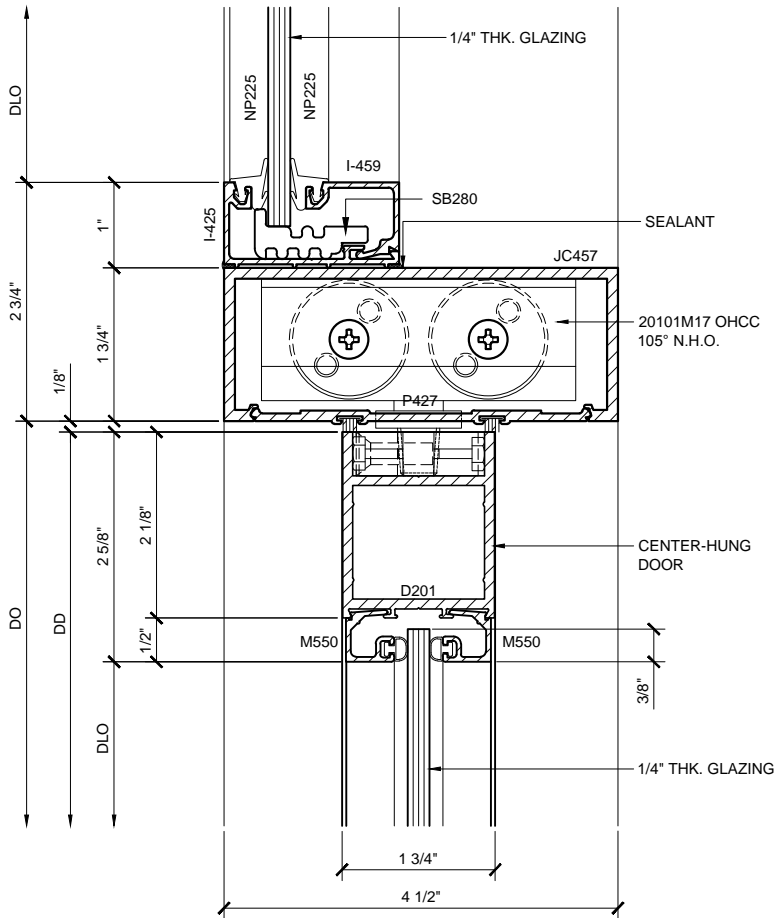
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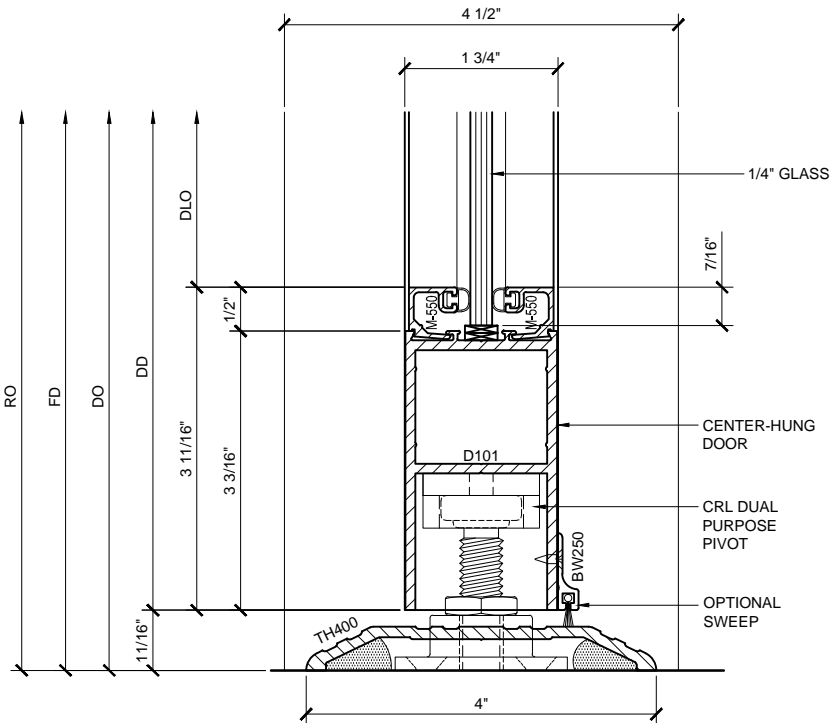
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TRANSOM HEAD DETAIL (18)
BG450 SINGLE GLAZED 1'-0"=1'-0"



DOOR HEAD DETAIL (19)
BG450 SINGLE GLAZED
CENTER-HUNG DOOR 1'-0"=1'-0"



DOOR SILL DETAIL (76)
BG450 SINGLE GLAZED
CENTER-HUNG DOOR 1'-0"=1'-0"

WINDOW WALL SERIES BG450 - 4 1/2" DEEP SYSTEM DETAILS

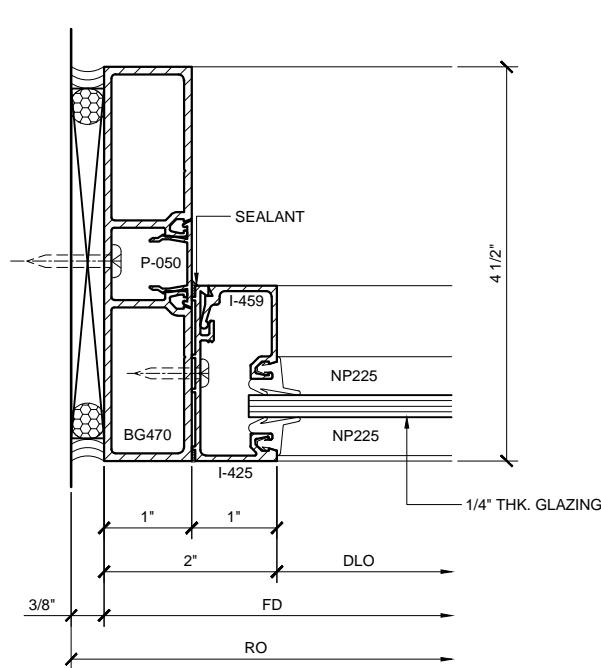
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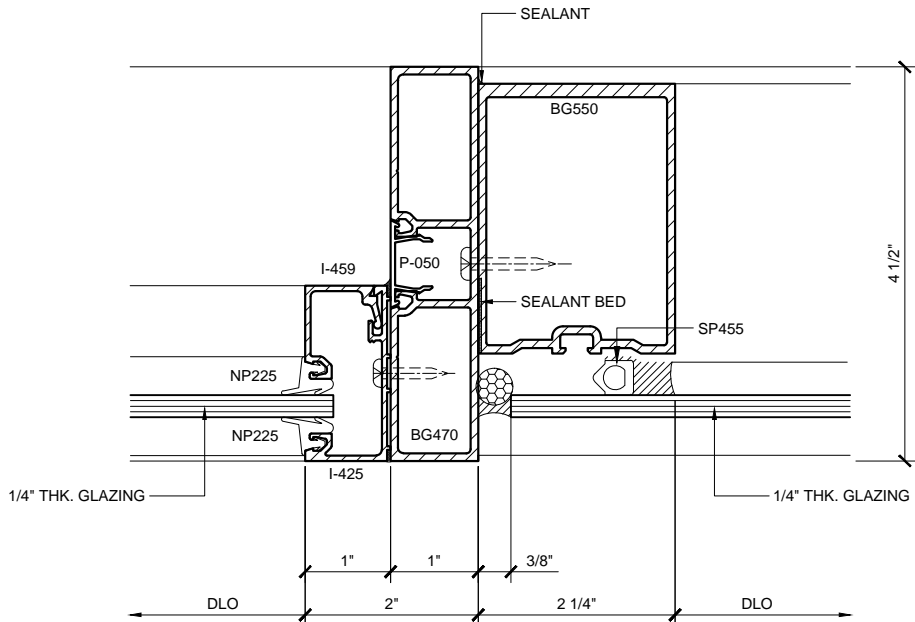
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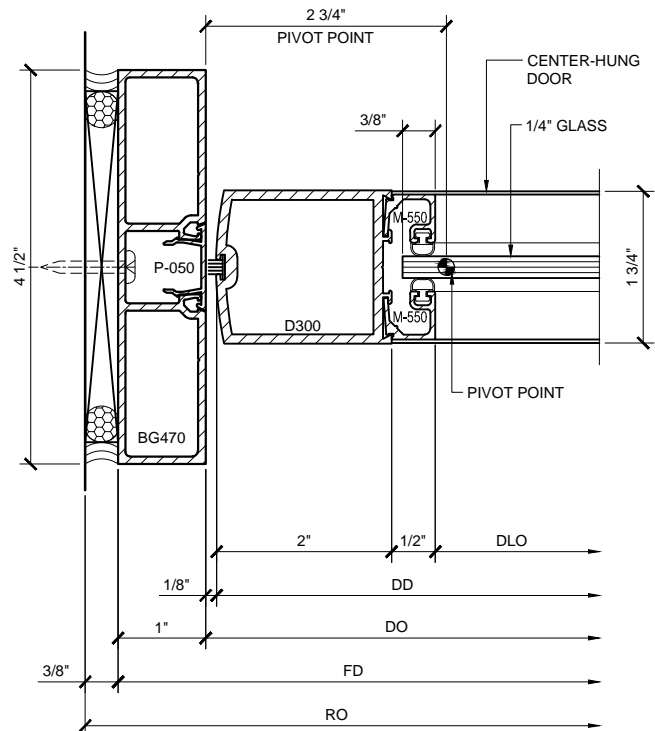
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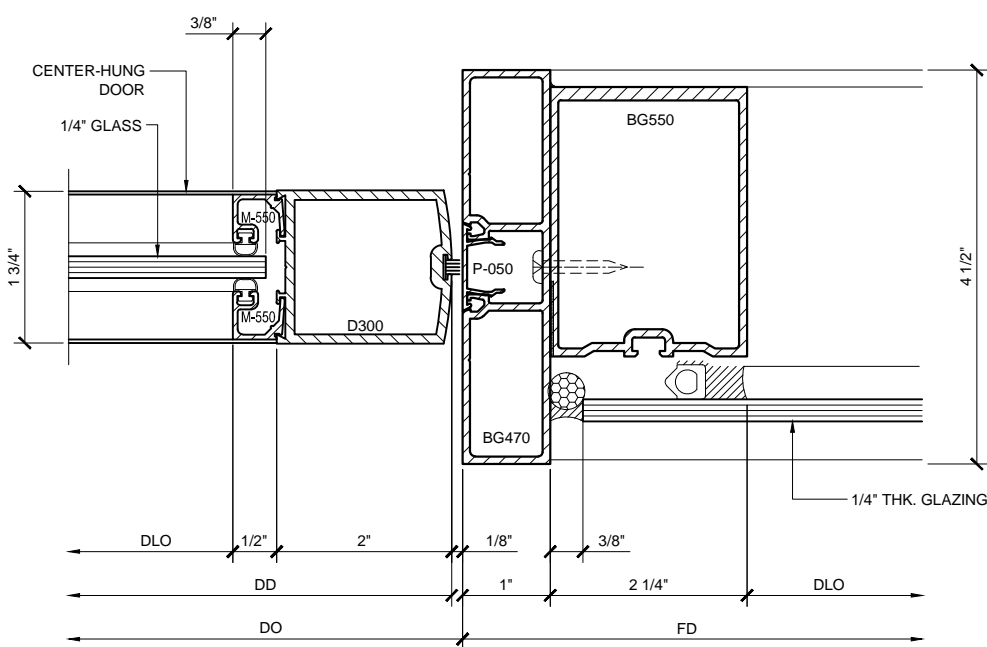
TRANSOM JAMB DETAIL 14
BG450 SINGLE GLAZED 1'-0"=1'-0"



TRANSOM JAMB DETAIL 15
BG450 SINGLE GLAZED 1'-0"=1'-0"



DOOR JAMB DETAIL 16
BG450 SINGLE GLAZED CENTER-HUNG DOOR 1'-0"=1'-0"



DOOR JAMB DETAIL 17
BG450 SINGLE GLAZED CENTER-HUNG DOOR 1'-0"=1'-0"

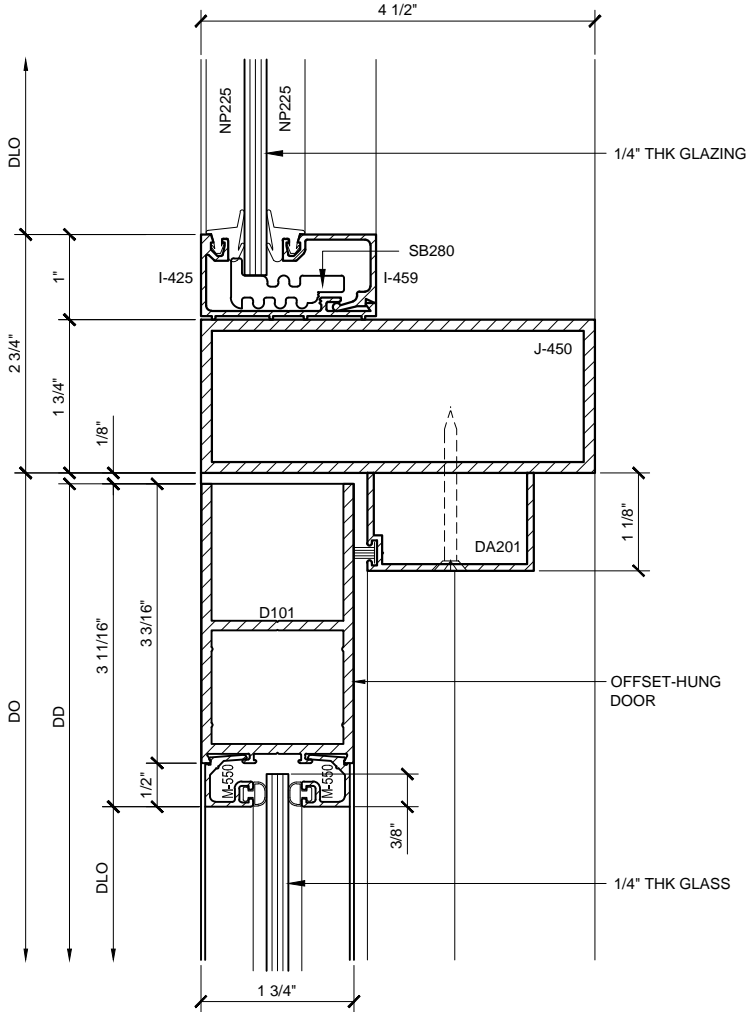
WINDOW WALL SERIES BG450 - 4 1/2" DEEP SYSTEM DETAILS

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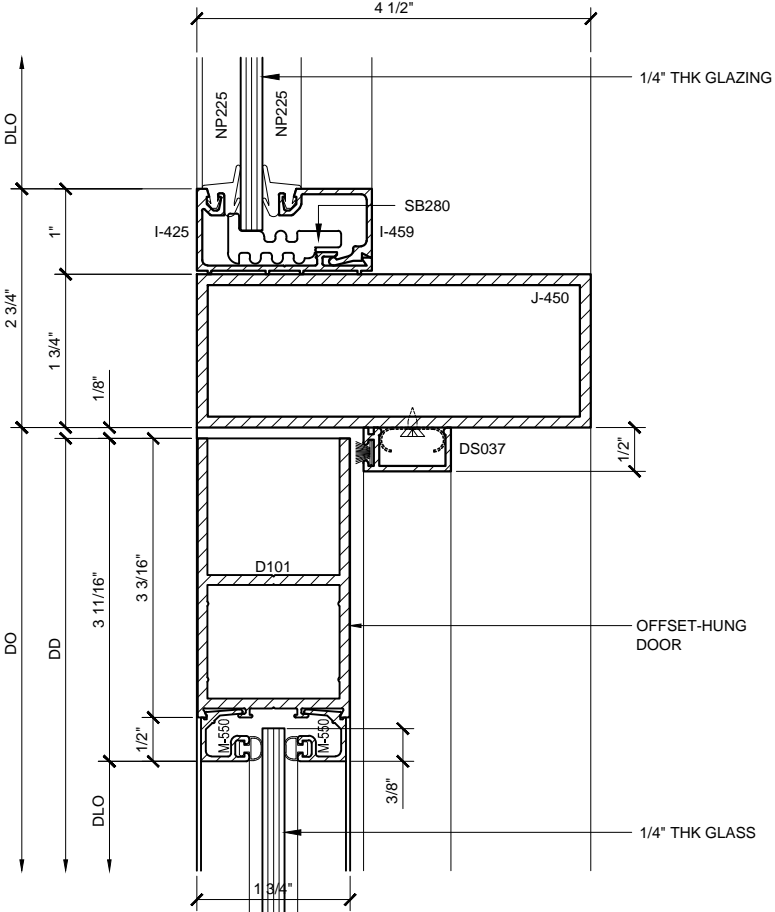
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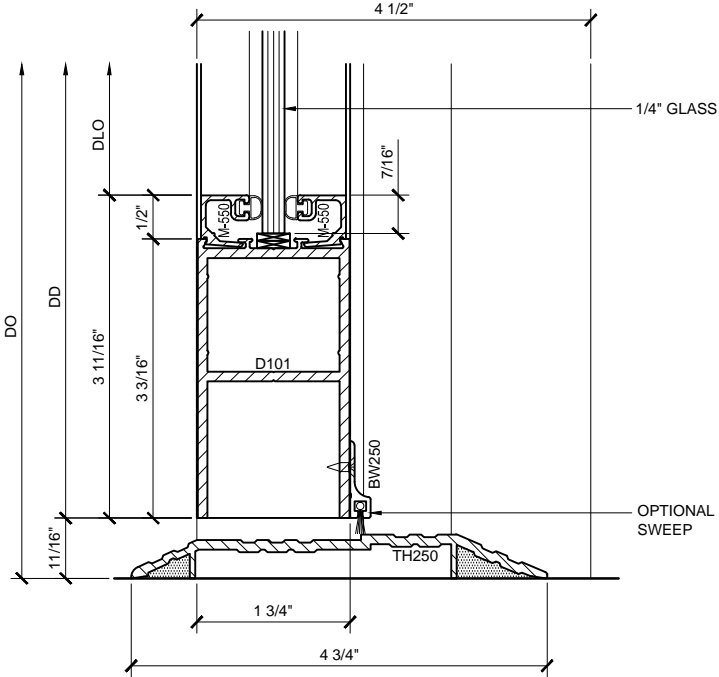
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DOOR HEAD DETAIL (22)
BG450 SINGLE GLAZED
OFFSET-HUNG DOOR
1'-0"=1'-0"



DOOR HEAD DETAIL (23)
BG450 SINGLE GLAZED
OFFSET-HUNG DOOR
1'-0"=1'-0"



DOOR SILL DETAIL (77)
BG450 SINGLE GLAZED
OFFSET-HUNG DOOR
1'-0"=1'-0"

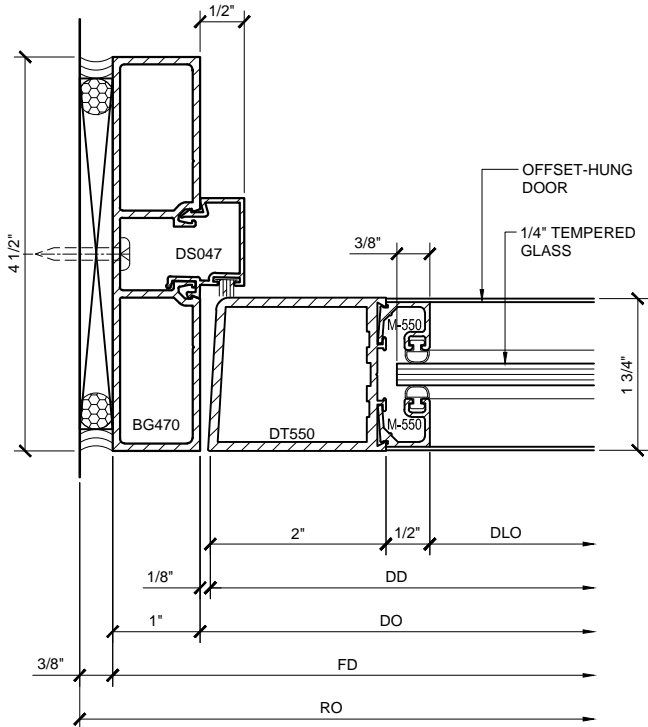
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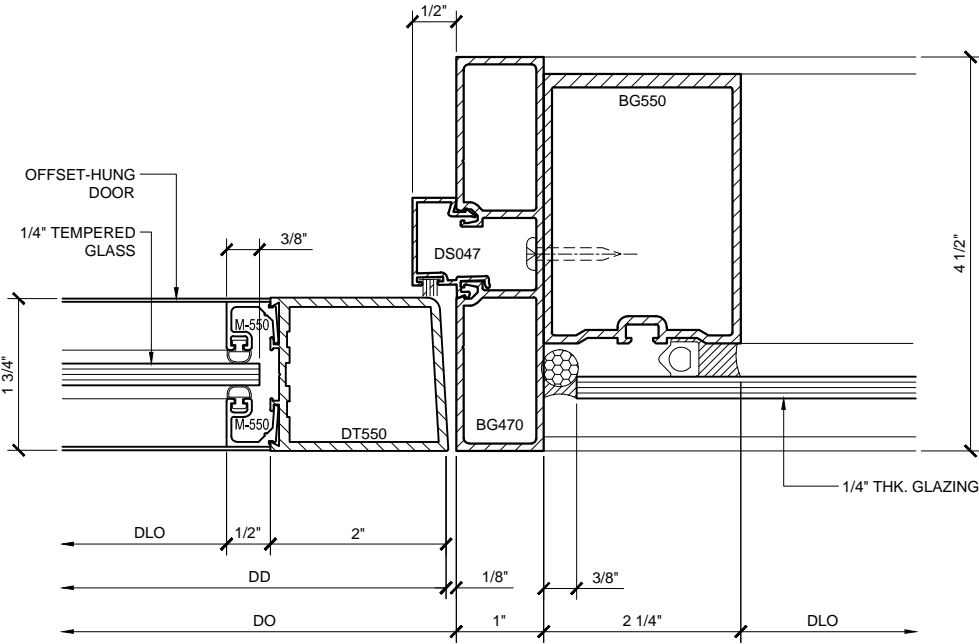
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DOOR JAMB DETAIL (20)
BG450 SINGLE GLAZED
OFFSET-HUNG DOOR
1'-0"=1'-0"



DOOR JAMB DETAIL (21)
BG450 SINGLE GLAZED
OFFSET-HUNG DOOR
1'-0"=1'-0"

WINDOW WALL SERIES BG450 - 4 1/2" DEEP SYSTEM DETAILS

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