

# Oldcastle BuildingEnvelope®

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## Reliance™ Curtain Wall w/ FRP Pressure Plate 2-1/2" x 7-1/2" w/ 1" Typical Infill - Table of Contents

Elev-RcwFRP-750

### Horizontal Details

H3101	Head
H3104	Sill
H3105	Typical Horizontal
H3108	Roll-Over Horizontal
H3109	Roll-Under Horizontal
H3118	Pocket Frame Operable Window
H3119	Flat Frame Operable Window

### Vertical Details

V3101	Jamb - Open Back
V3102	Typical Vertical
V3105	Heavy Vertical
V3108	Jamb - Tubular

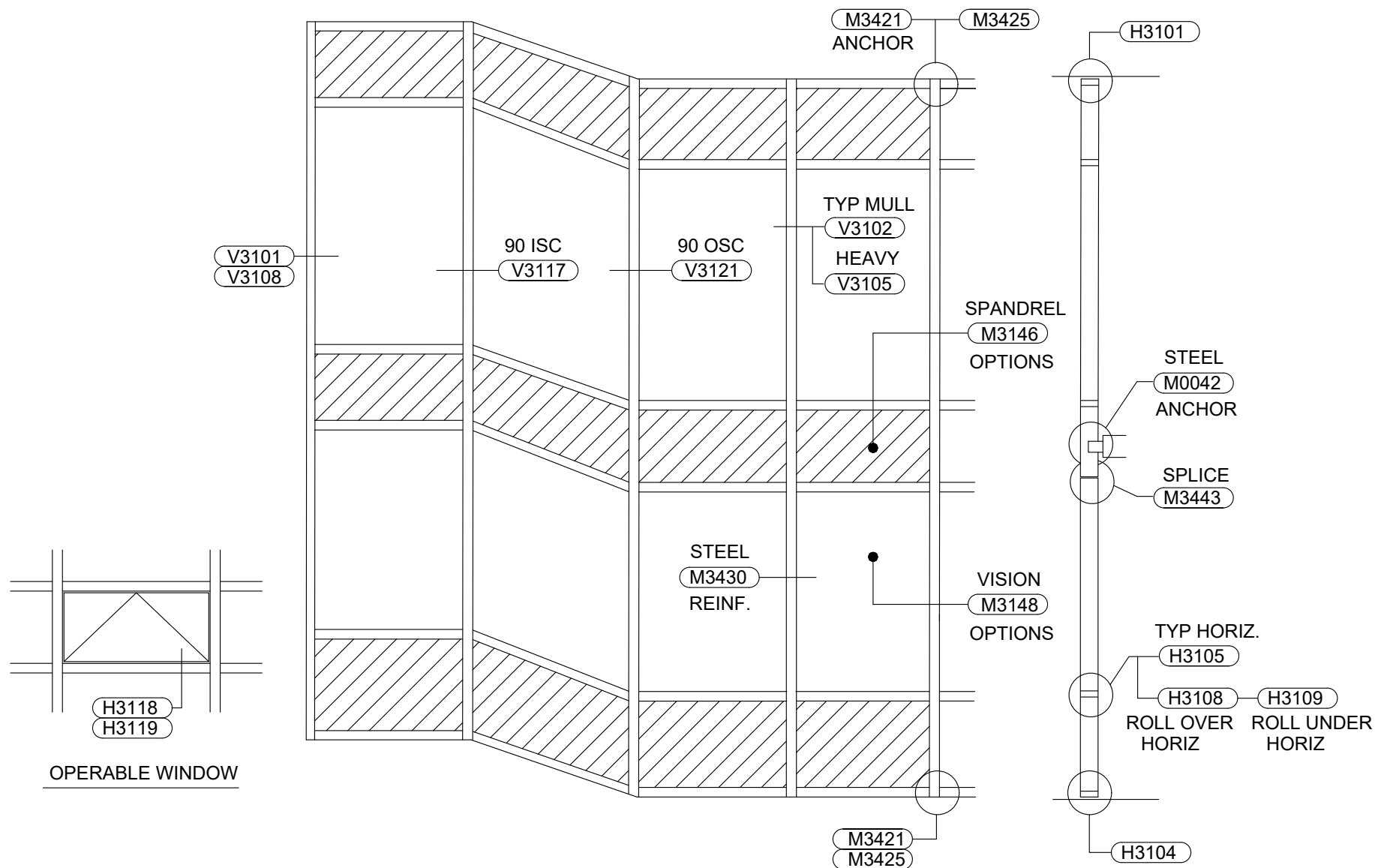
### Corner Details

V3117	90° Inside Corner
V3121	90° Outside Corner

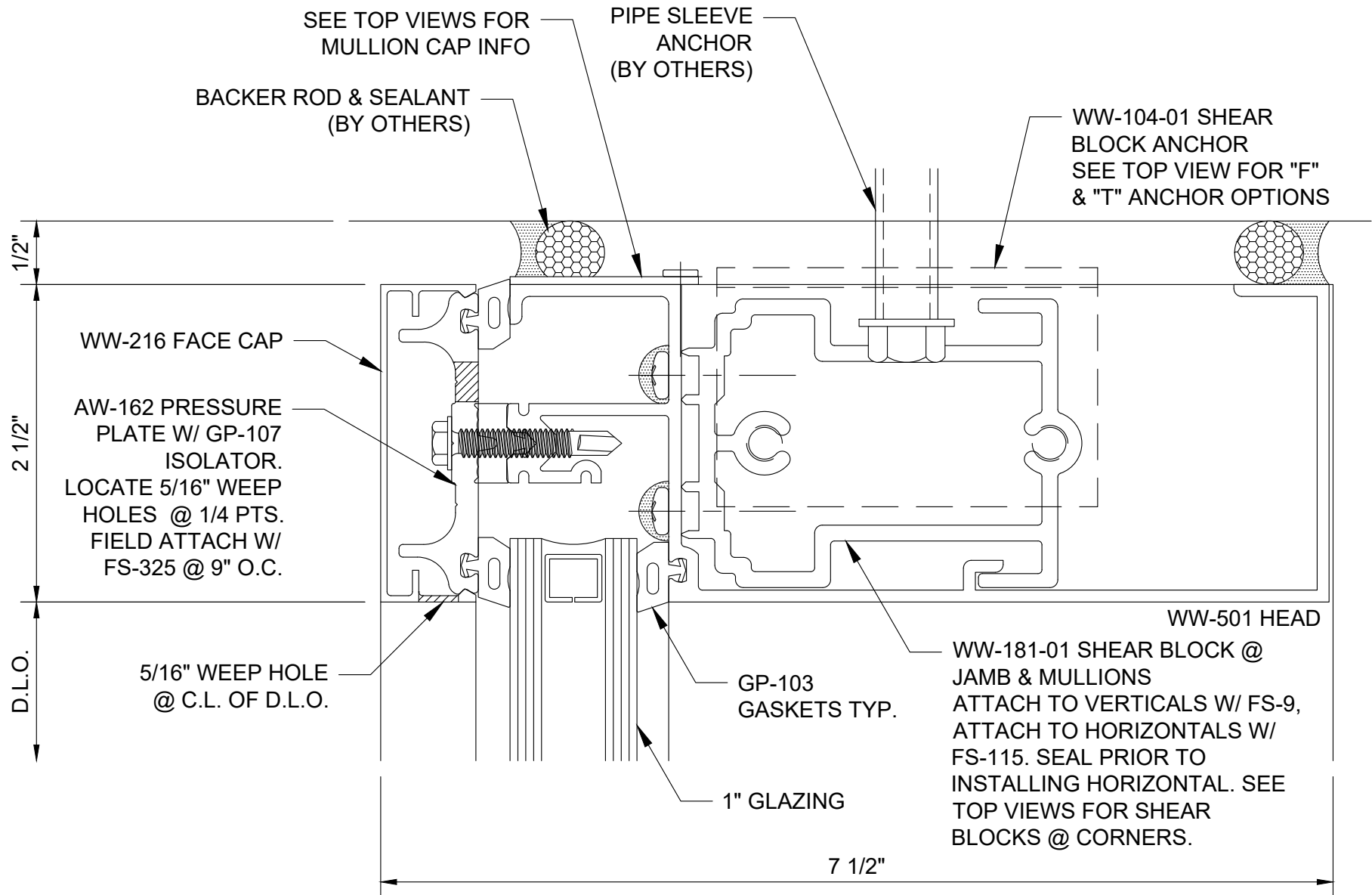
### Misc. Details

M0042	Steel Anchor
M3146	Spandrel Glazing Options
M3148	Vision Glazing Options
M3421	Shear Block Anchor
M3425	'F' & 'T' Mullion Anchor
M3430	Steel Reinforcement
M3443	Mullion Splicing

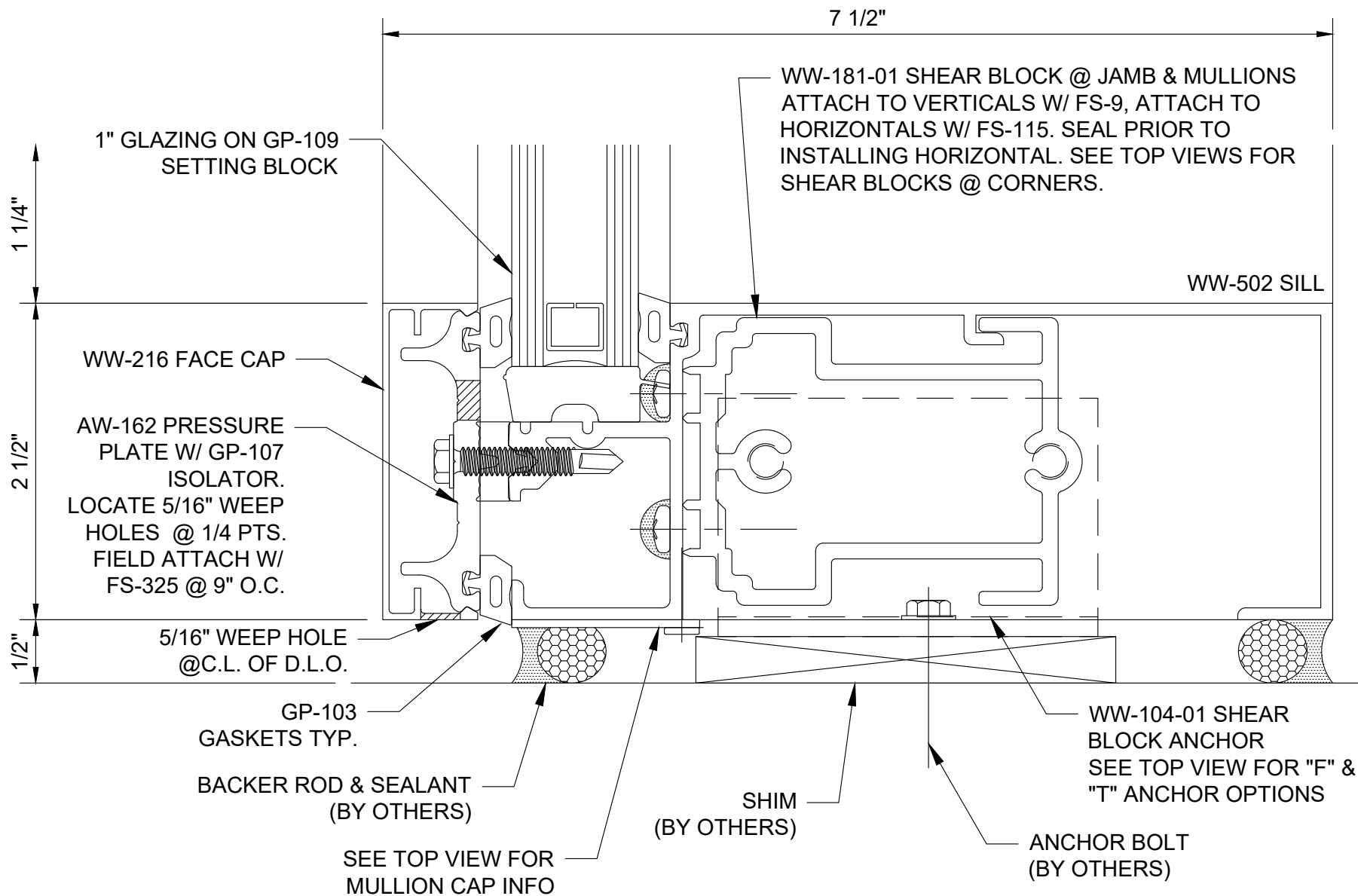
## Table of Contents



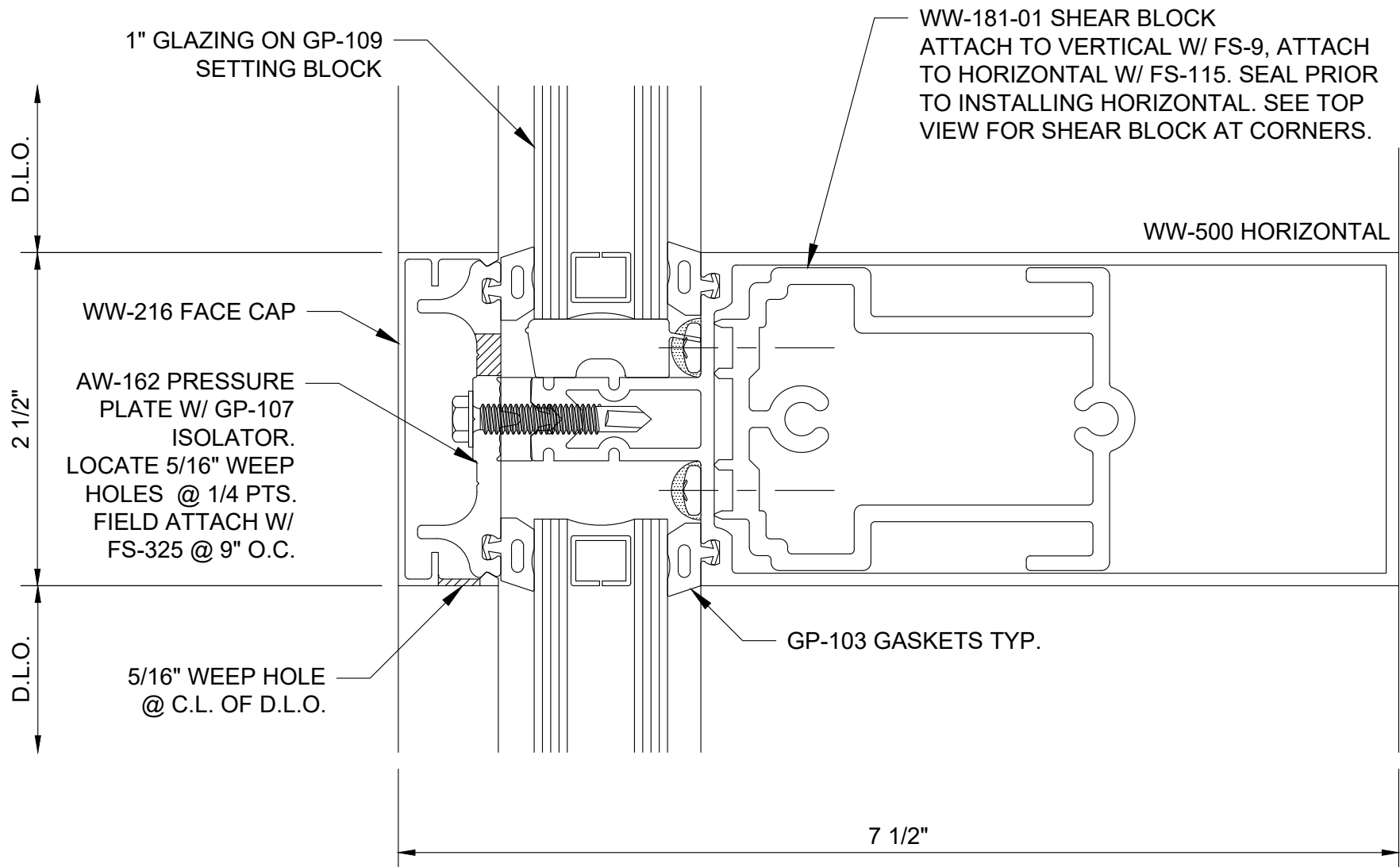
Reliance™ Curtain Wall with FRP Pressure Plate  
2-1/2" x 7-1/2" w/ 1" Typical Infill - Elevation



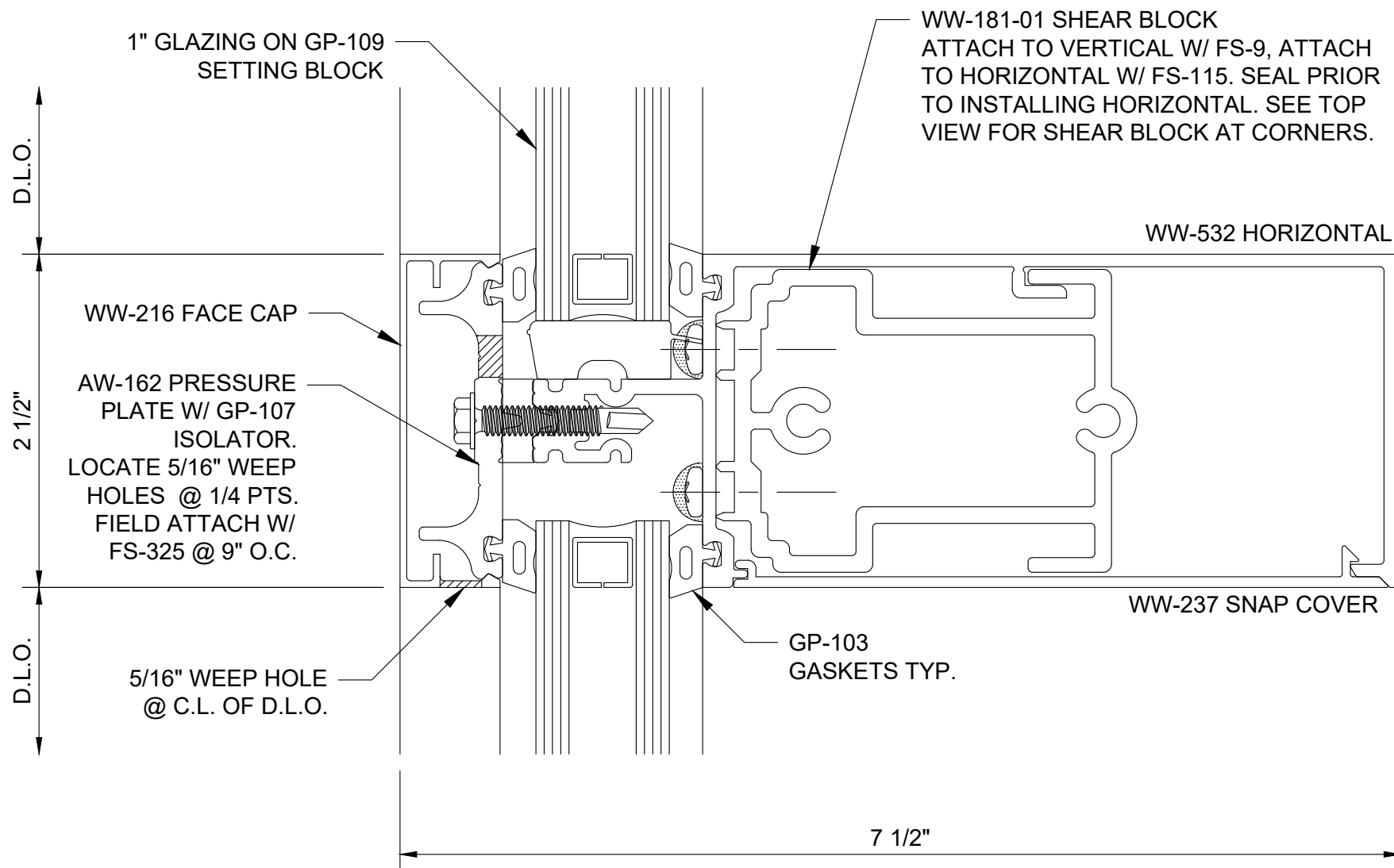
## Reliance™ Curtain Wall with FRP Pressure Plate Head - H3101



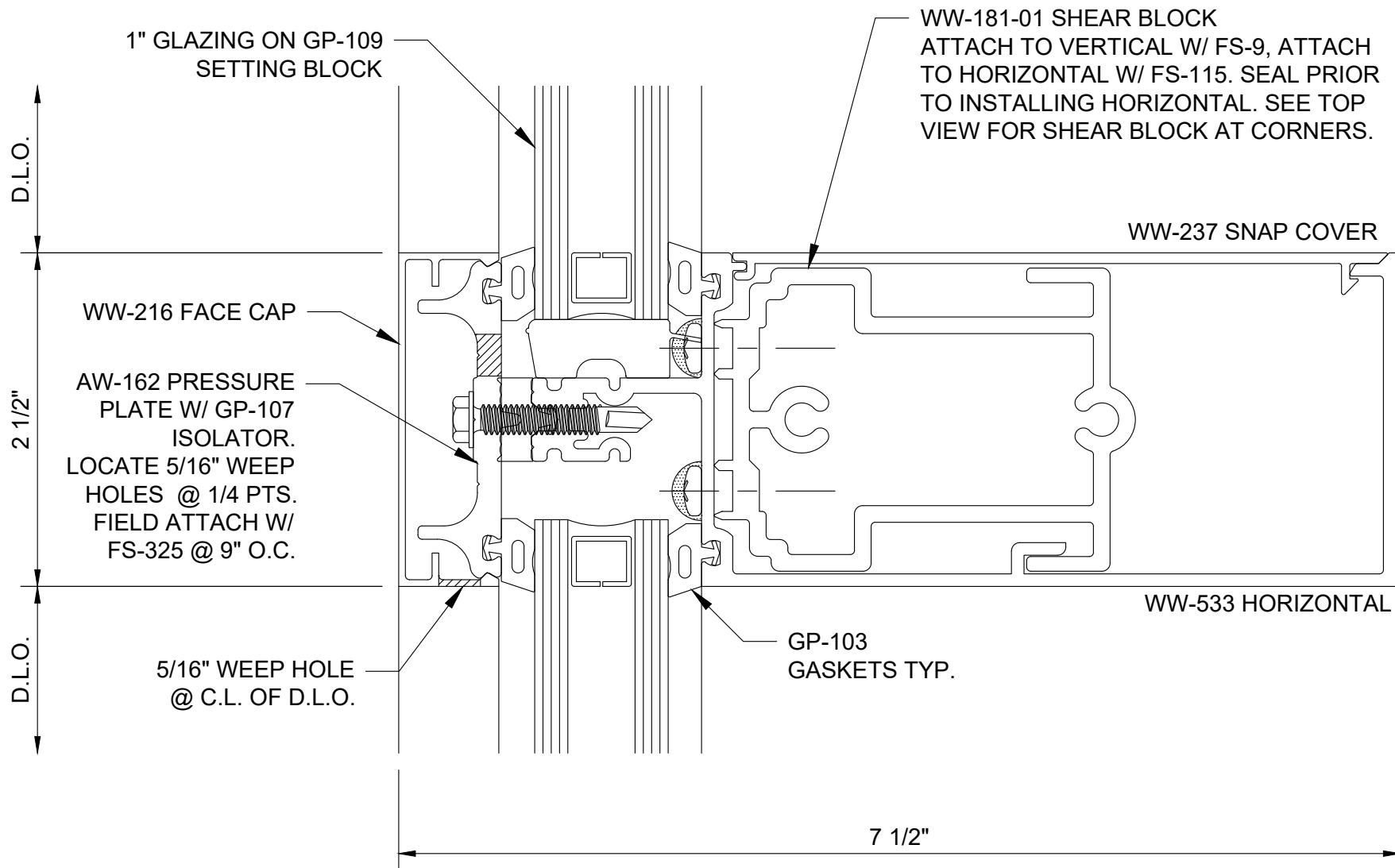
## Reliance™ Curtain Wall with FRP Pressure Plate Sill - H3104



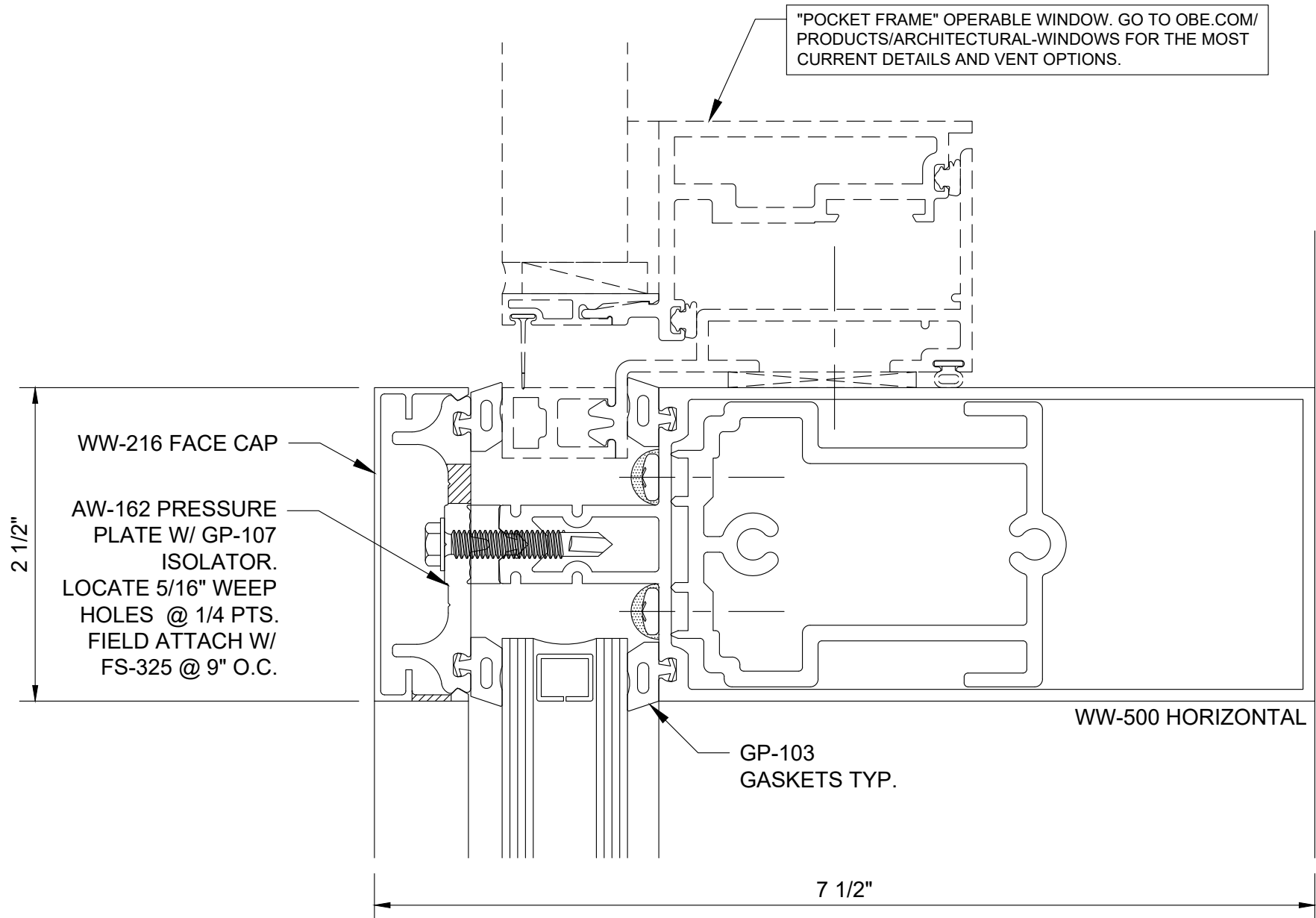
## Reliance™ Curtain Wall with FRP Pressure Plate Intermediate Horizontal - H3105



## Reliance™ Curtain Wall with FRP Pressure Plate Roll-over Horizontal - H3108

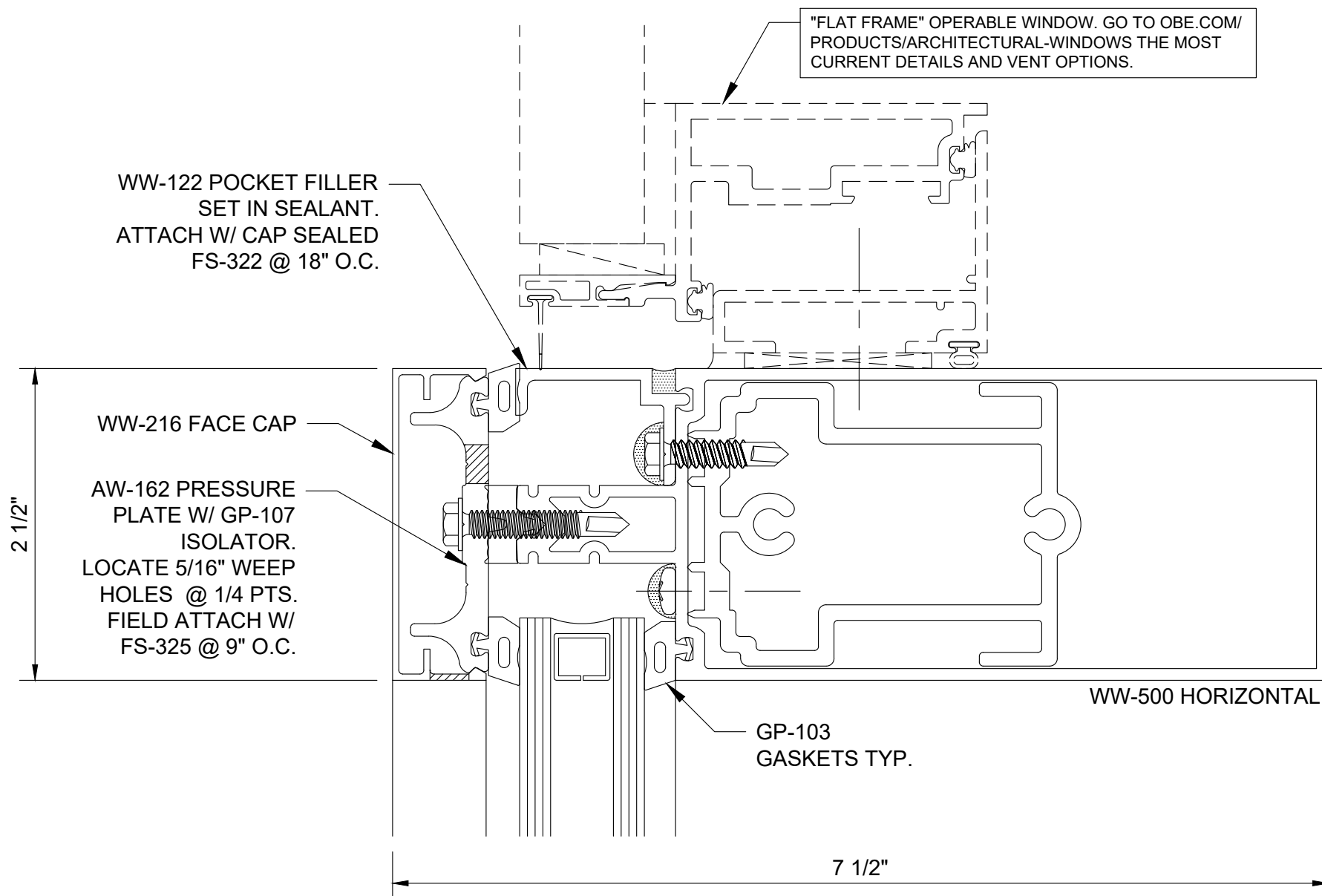


## Reliance™ Curtain Wall with FRP Pressure Plate Roll-under Horizontal - H3109

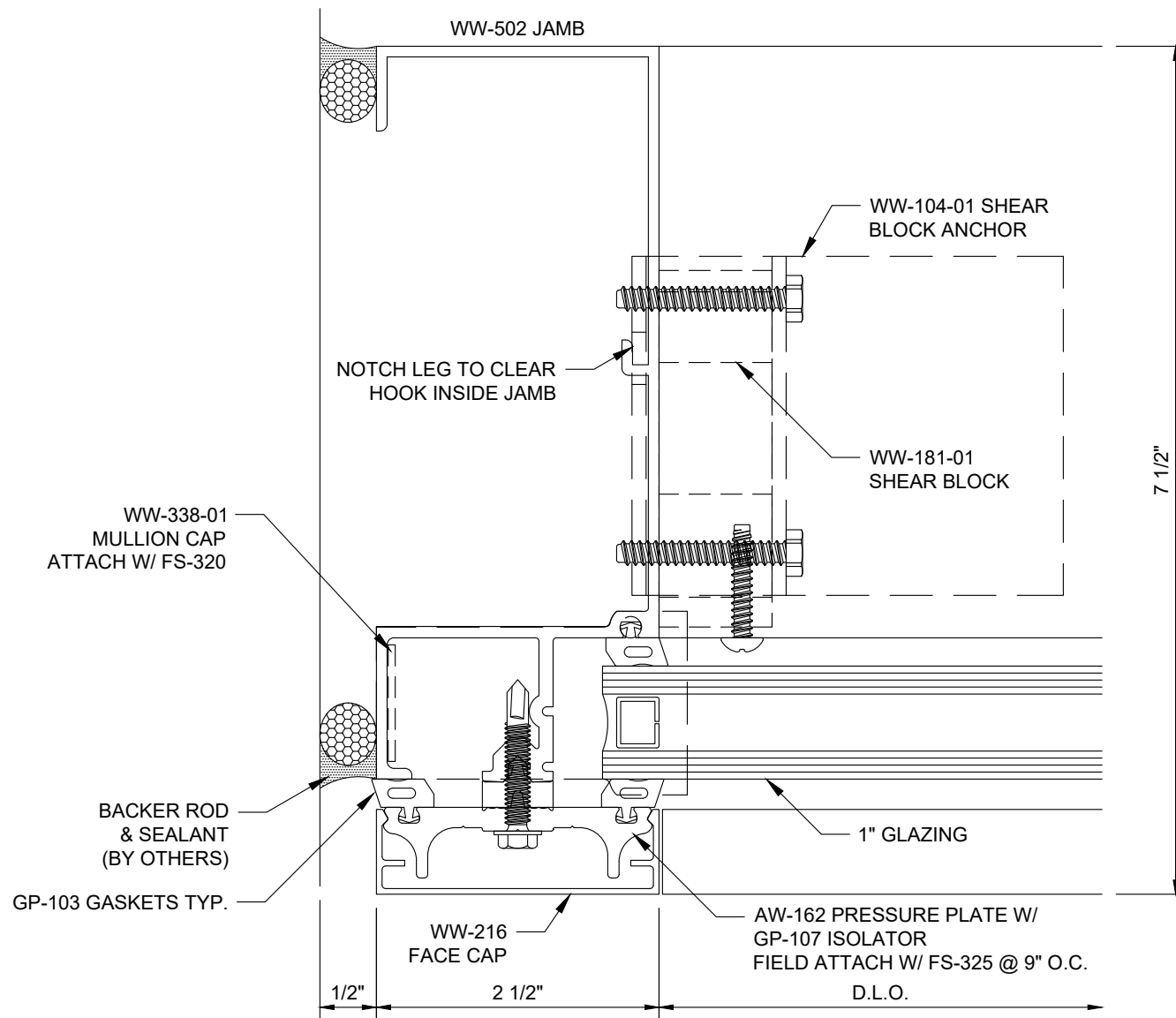


Reliance™ Curtain Wall with FRP Pressure Plate  
Horizontal at Operable Window (Pocket Frame) - H3118

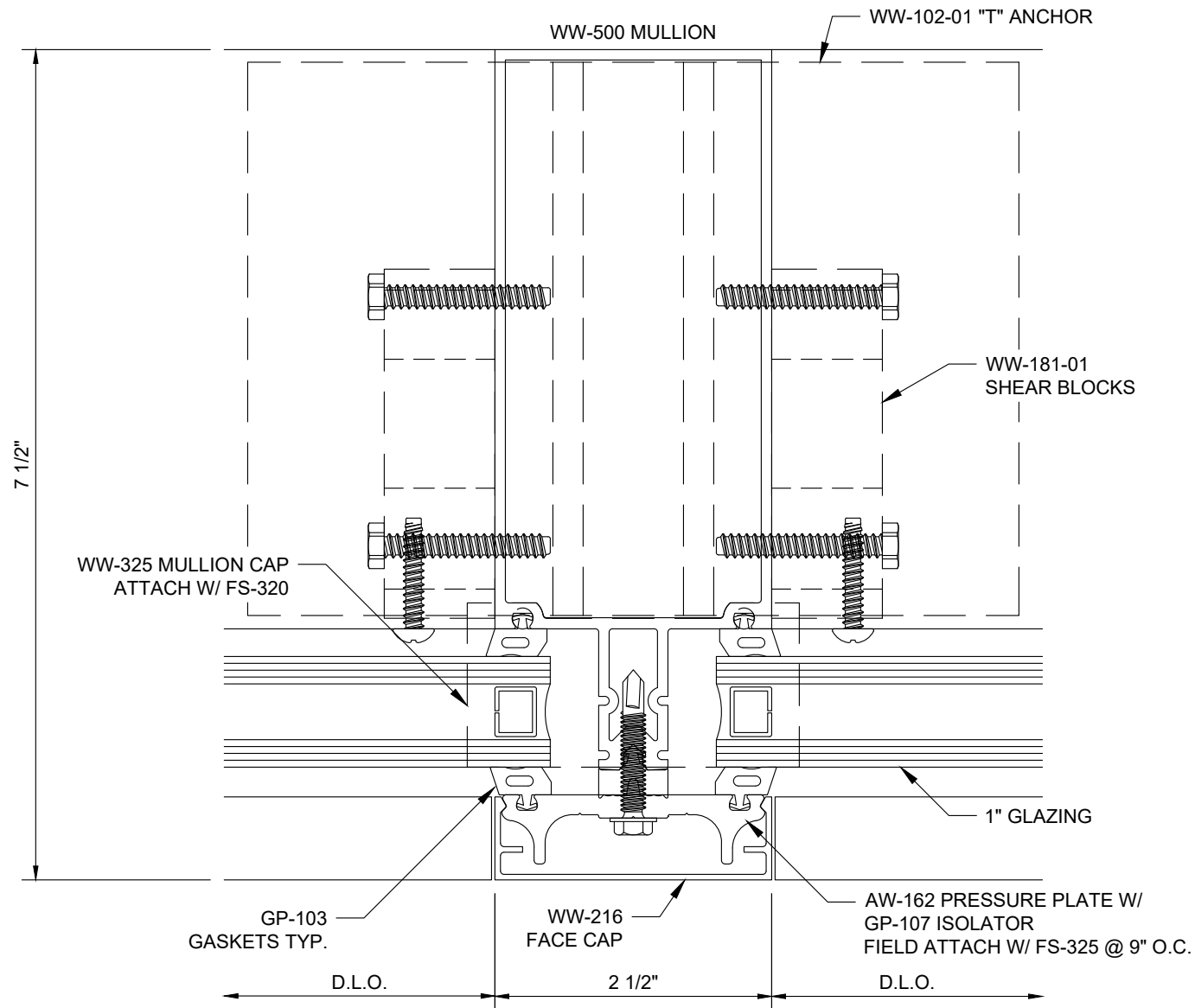




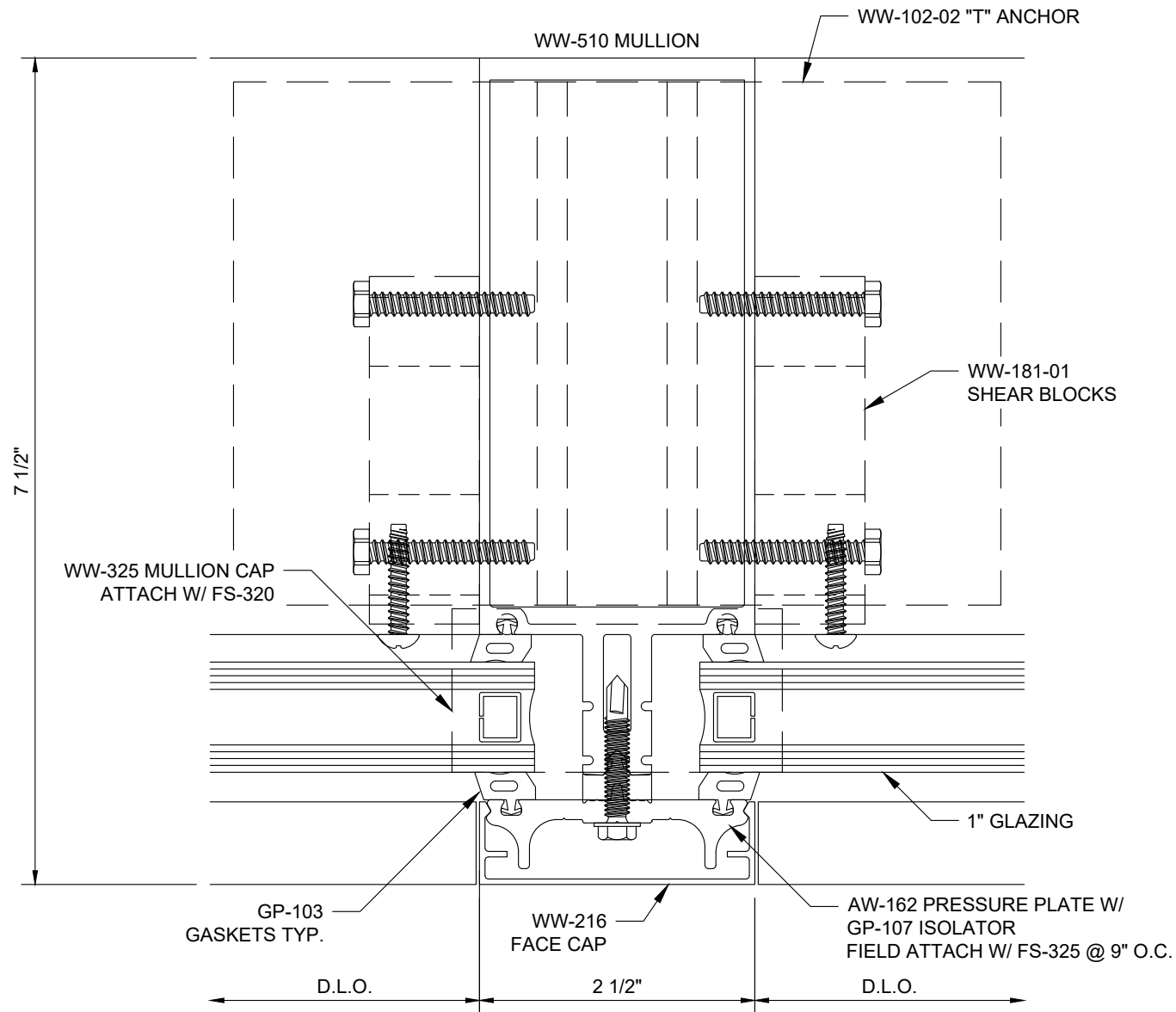
Reliance™ Curtain Wall with FRP Pressure Plate  
Horizontal at Operable Window (Flat Frame) - H3119



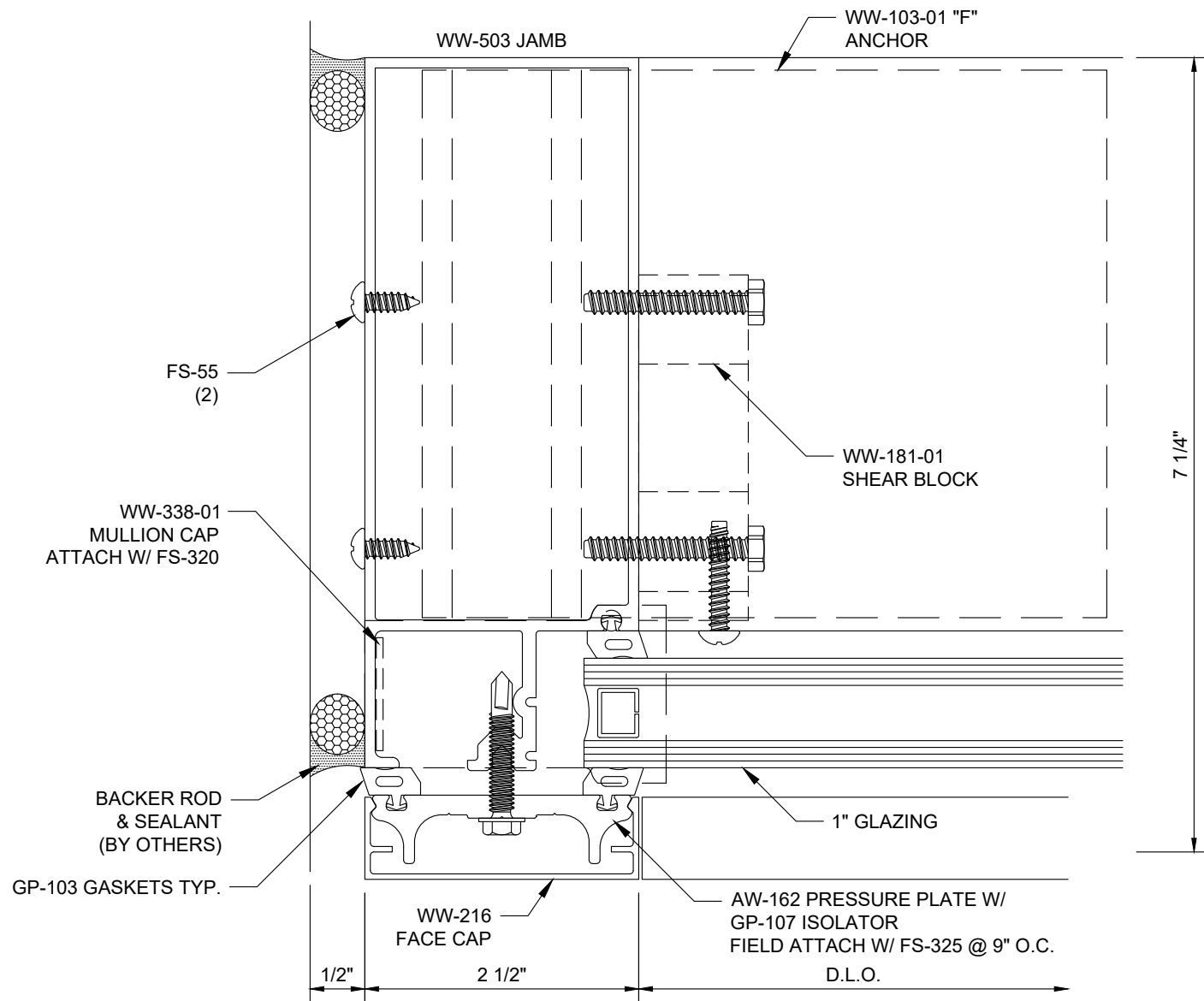
## Reliance™ Curtain Wall with FRP Pressure Plate Jamb - V3101



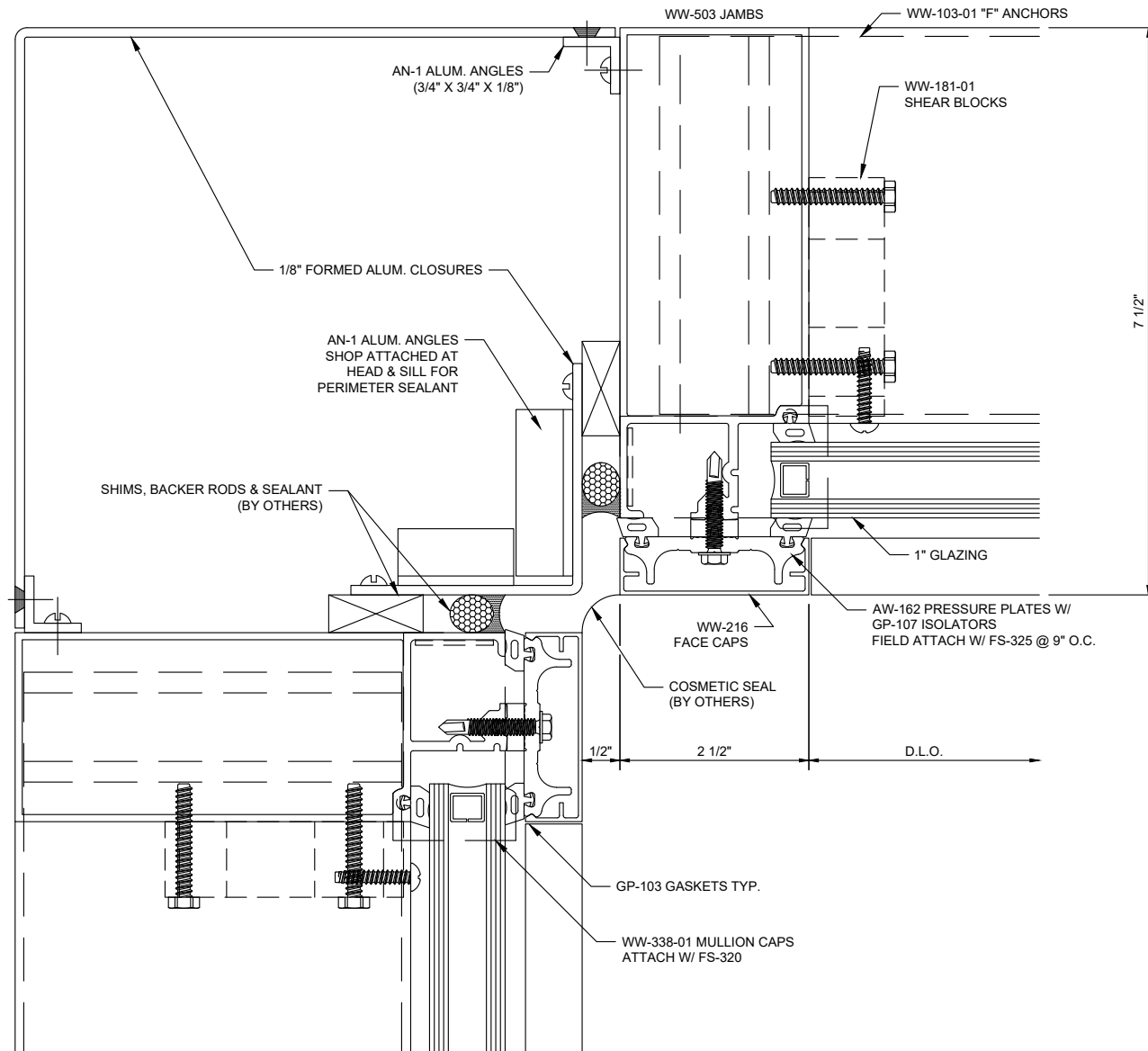
## Reliance™ Curtain Wall with FRP Pressure Plate Typical Vertical - V3102



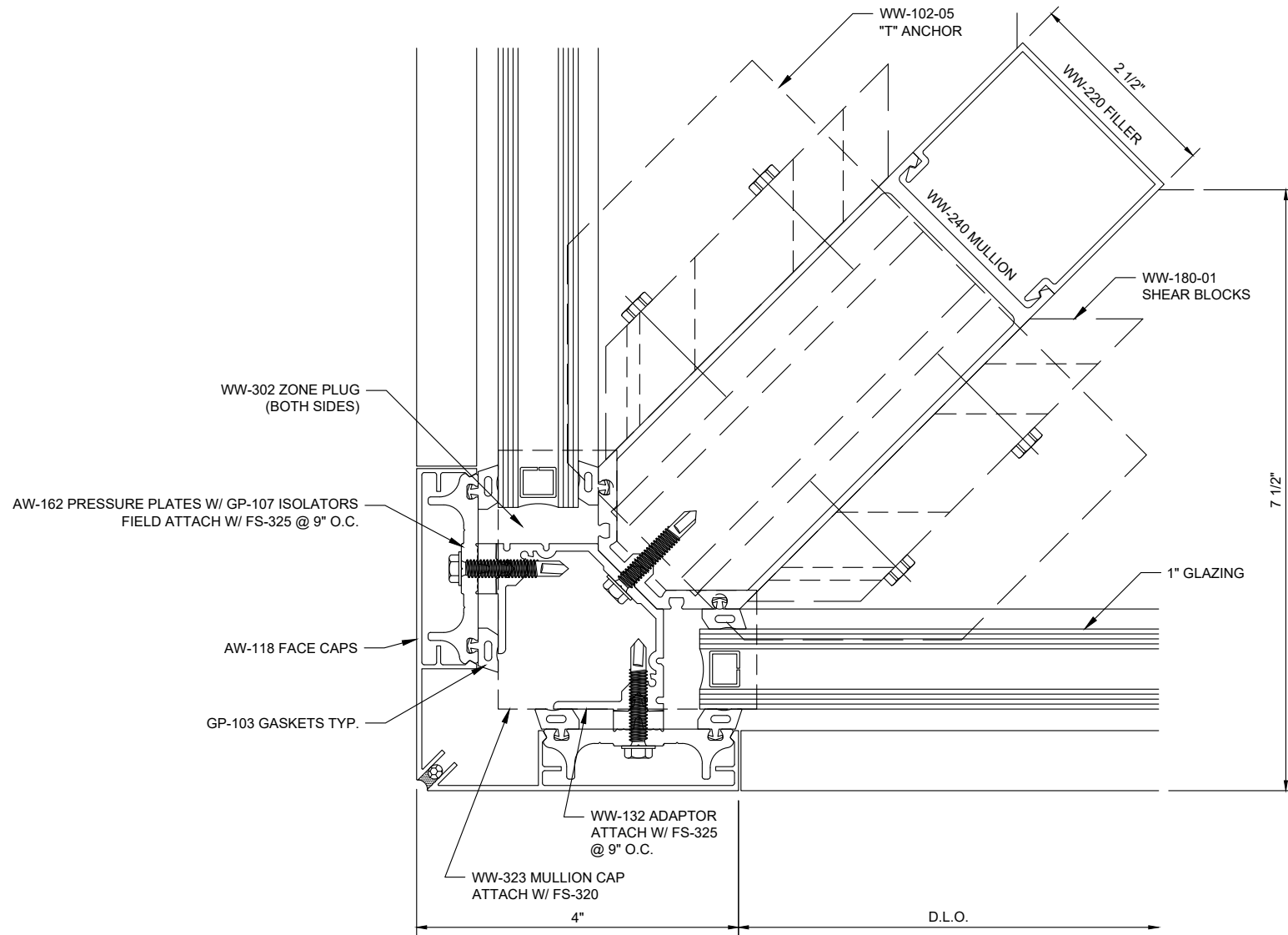
## Reliance™ Curtain Wall with FRP Pressure Plate Heavy Vertical - V3105



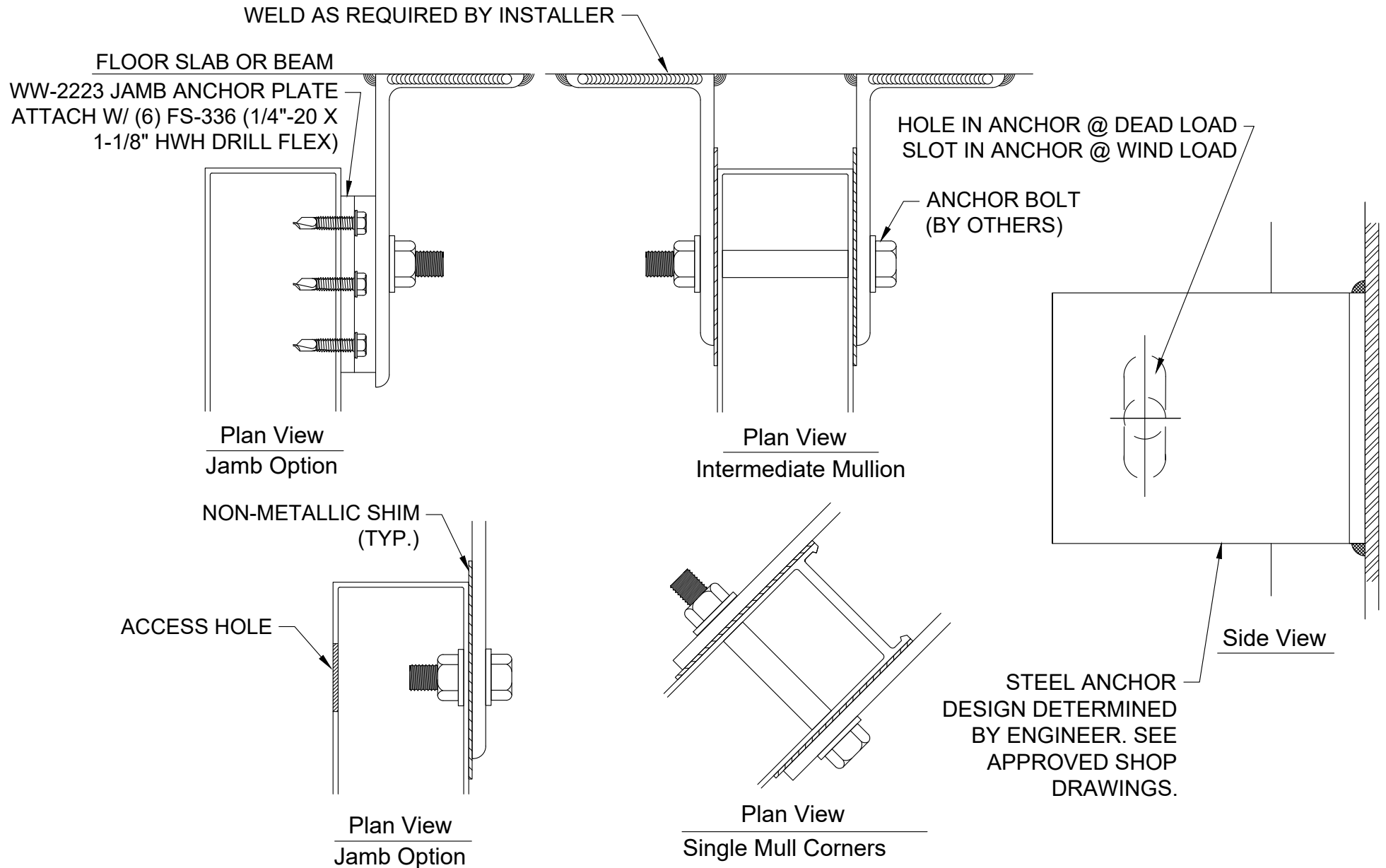
## Reliance™ Curtain Wall with FRP Pressure Plate Jamb (Tubular) - V3108



## Reliance™ Curtain Wall with FRP Pressure Plate 90° Inside Corner - 2 Mullion - V3117

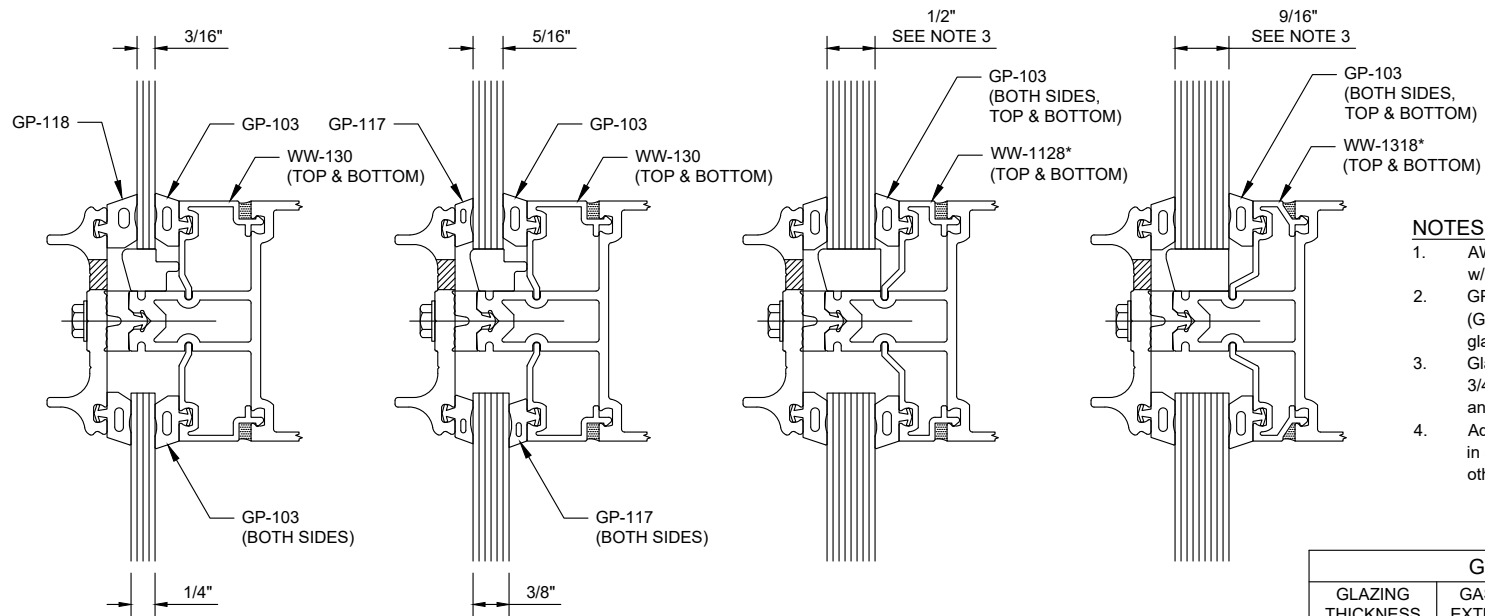


## Reliance™ Curtain Wall with FRP Pressure Plate 90° Outside Corner - V3121



## Standard Curtain Wall Steel Anchoring - M0042

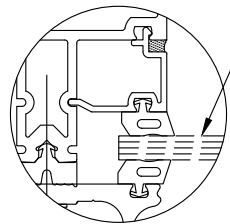




**NOTES:**

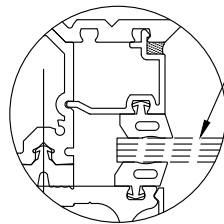
1. AW-162 FRP pressure plate w/ GP-107 isolator typical
2. GP-110 setting block typical, (GP-126 at 1/2" and 9/16" glazing)
3. Glass pocket with adaptor = 3/4" (1" glass pocket at 1/2" and 9/16" glazing)
4. Adaptors/glazing beads set in sealant (sealant by others).

GLASS CHART			
GLAZING THICKNESS	GASKET EXTERIOR	GASKET INTERIOR	GLAZING ADAPTOR
3/16" (.1875)	GP-118	GP-103	WW-130
1/4" (.250)	GP-103	GP-103	WW-130
5/16" (.3125)	GP-117	GP-103	WW-130
3/8" (.375)	GP-117	GP-117	WW-130
1/2" (.500)	GP-103	GP-103	*WW-1128
9/16" (.5625)	GP-103	GP-103	*WW-1318



**JAMB**

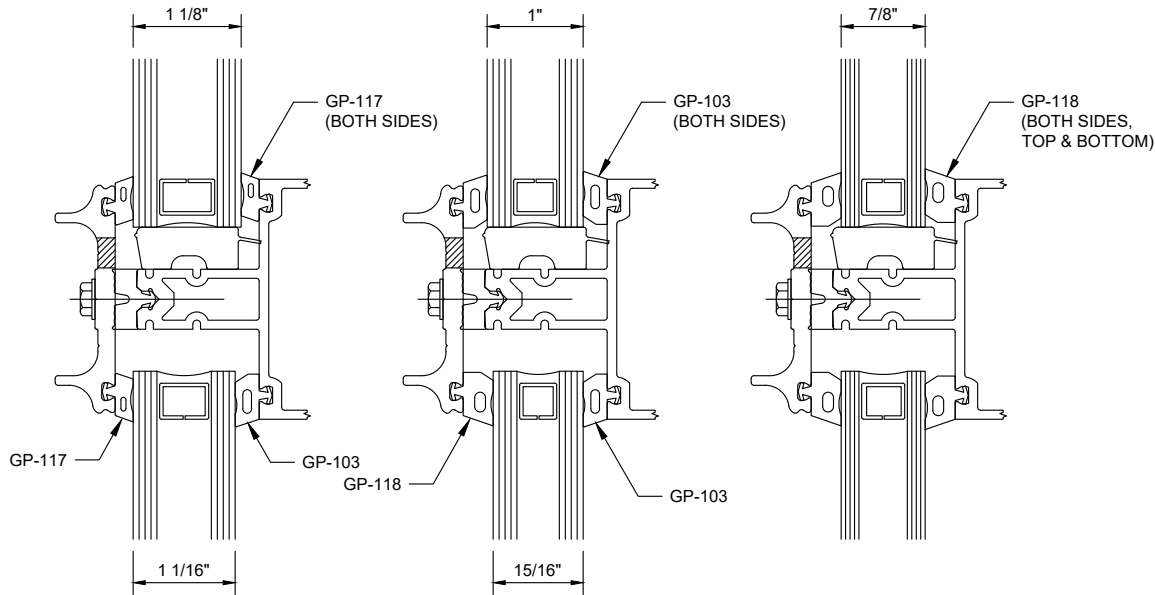
SEE GLASS CHART



**90° OUTSIDE CORNER**

SEE GLASS CHART

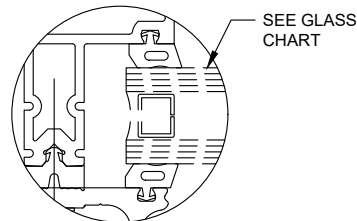
## Reliance™ Curtain Wall with FRP Pressure Plate Spandrel Glazing Options - M3146



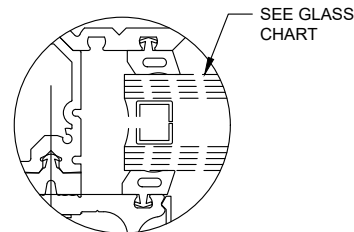
GLASS CHART		
GLAZING THICKNESS	GASKET EXTERIOR	GASKET INTERIOR
7/8" (0.875)	GP-118	GP-118
15/16" (0.9375)	GP-118	GP-103
1"	GP-103	GP-103
1-1/16" (1.0625)	GP-117	GP-103
1-1/8" (1.125)	GP-117	GP-117

#### NOTES:

1. AW-162 FRP pressure plate w/ GP-107 isolator typical
2. GP-109 setting block typical
3. Glass Pocket = 1-1/2" (typical)

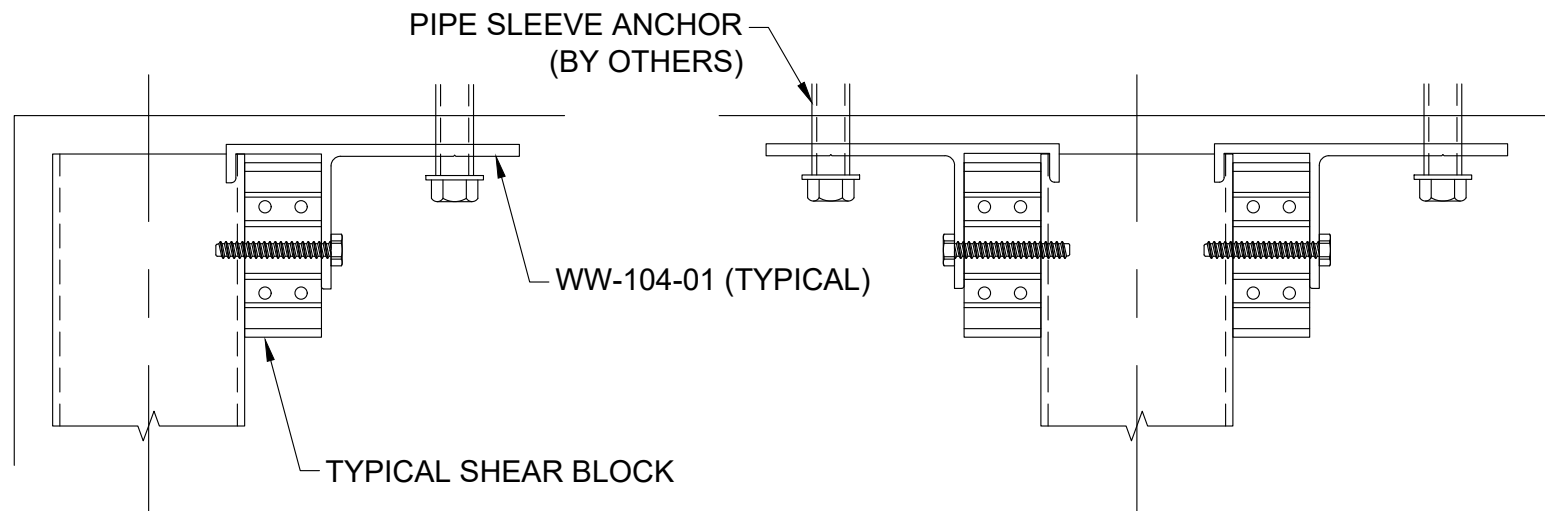


VERTICAL  
MULLION



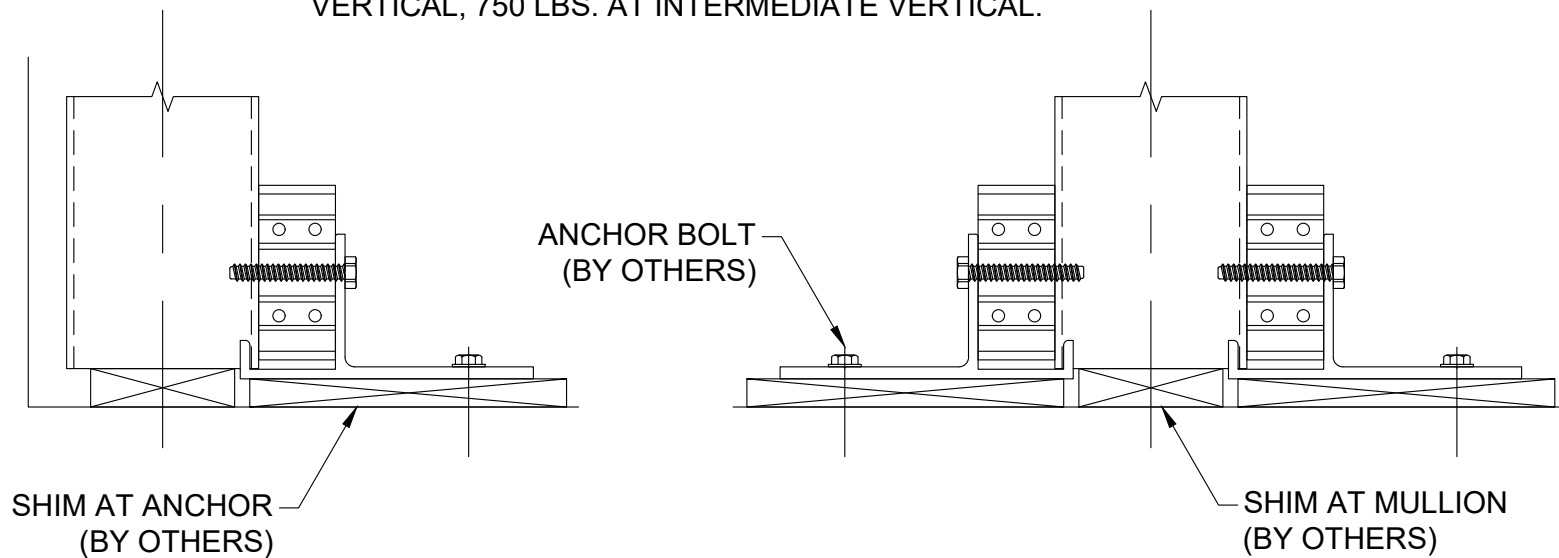
90° OUTSIDE  
CORNER

## Reliance™ Curtain Wall with FRP Pressure Plate Vision Glazing Options - M3148

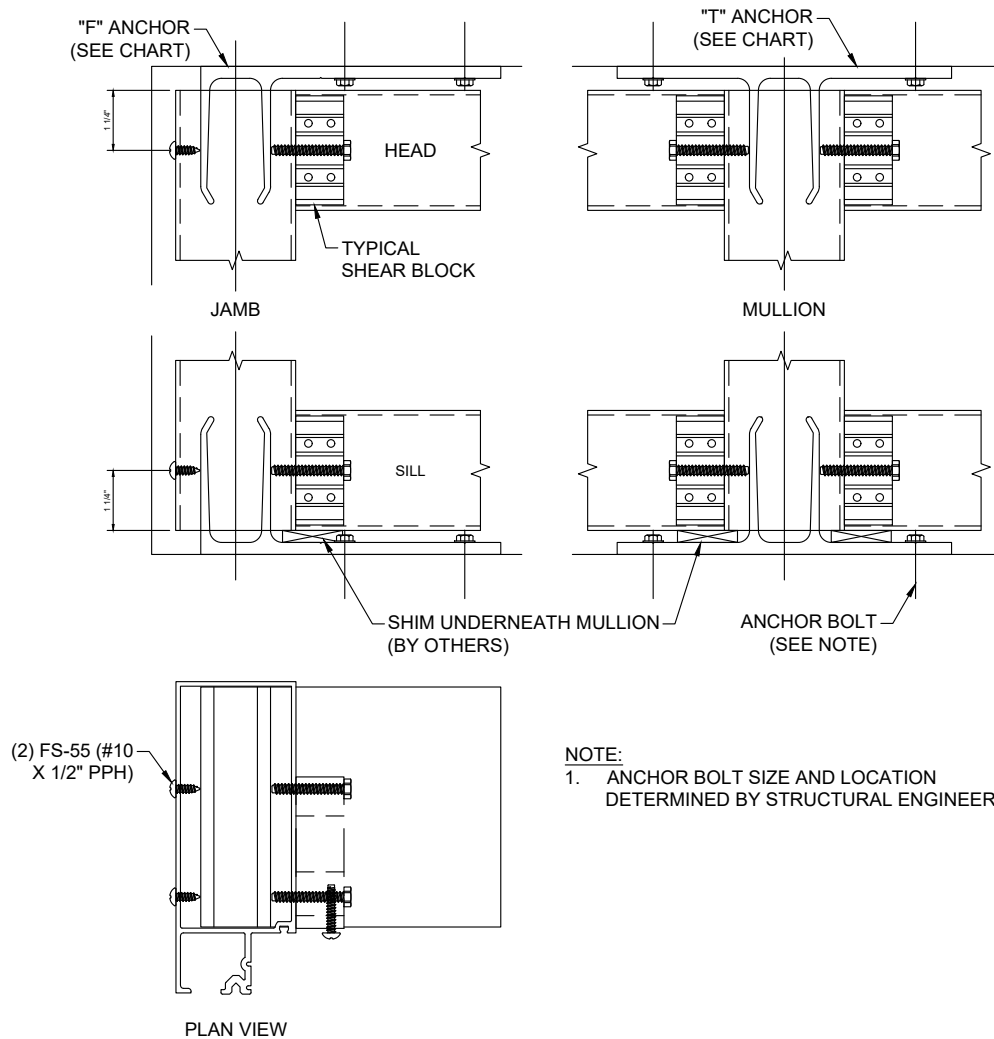


**NOTE:**

1. ANCHOR BOLT DESIGNED BY STRUCTURAL ENGINEER.
2. WWW-104-01 ALUM. ANCHOR MAXIMUM ALLOWABLE END REACTION IS 375 LBS. PER ANCHOR, I.E. 375 LBS. AT JAMB VERTICAL, 750 LBS. AT INTERMEDIATE VERTICAL.



## Reliance™ Curtain Wall Shear Block Anchoring Method - M3421



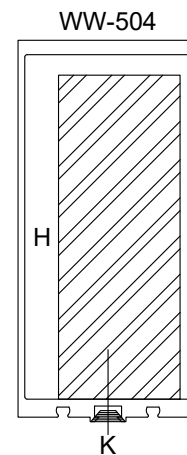
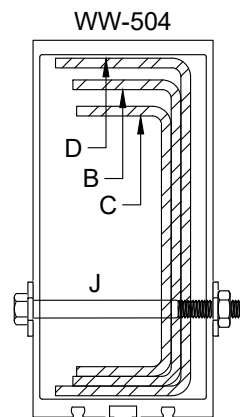
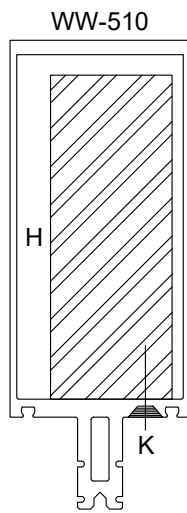
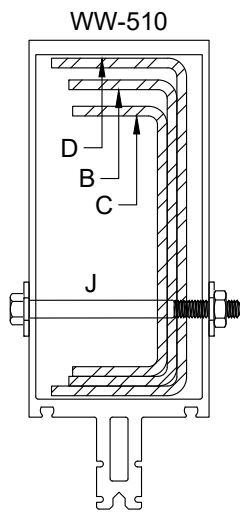
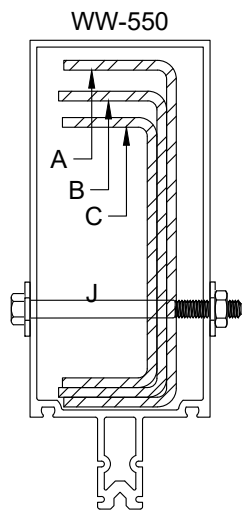
"F" ANCHOR CHART	
PART NO.	MULLION
WW-103-01	WW-500 / WW-503 / WW-550 / WW-553
WW-103-02	WW-504 / WW-510 / WW-560
WW-103-03	WW-400 / WW-403 / WW-450 / WW-453
WW-103-04	WW-404 / WW-410 / WW-460
WW-106-01	WW-800 / WW-804 / WW-850
WW-106-02	WW-810

"T" ANCHOR CHART	
PART NO.	MULLION
WW-102-01	WW-500 / WW-550
WW-102-02	WW-504 / WW-510 / WW-560
WW-102-03	WW-400 / WW-450
WW-102-04	WW-404 / WW-410 / WW-460
WW-102-05	WW-240 (90° CORNER)
WW-102-06	WW-230 (135° CORNER)
WW-102-07	WW-241 (135° INSIDE SSG CORNER)
WW-105-01	WW-800 / WW-804 / WW-850
WW-105-02	WW-810
WW-105-06	WW-1175 (90° OUTSIDE CORNER)

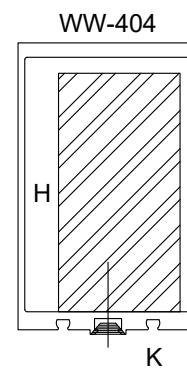
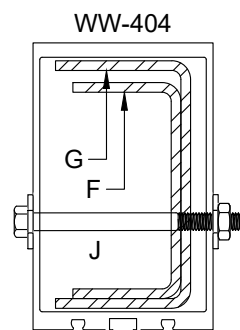
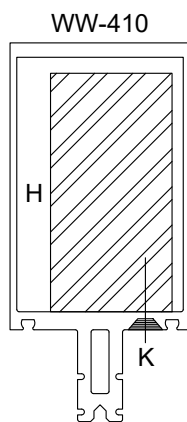
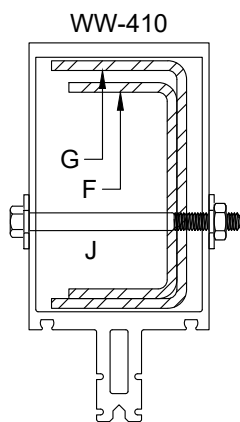
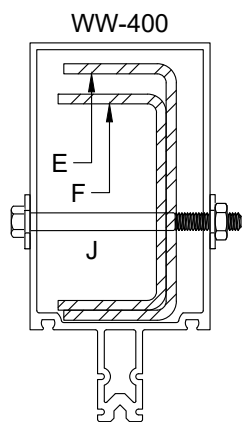
## Reliance™ Curtain Wall 'F' & 'T' Mullion Anchoring - M3425

SEE APPROVED SHOP DRAWINGS FOR SPECIFIC REQUIREMENTS.

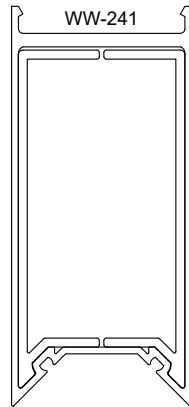
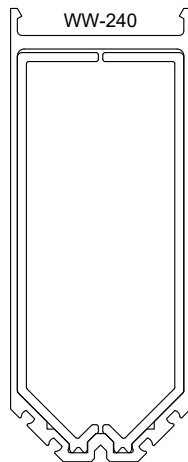
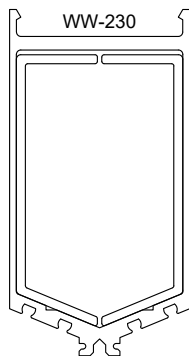
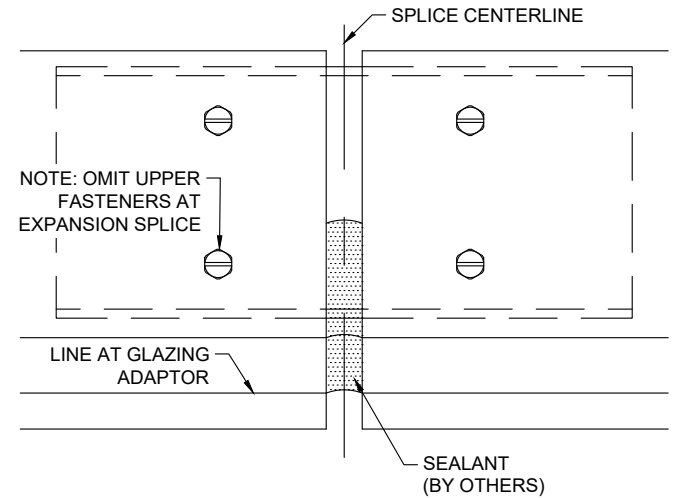
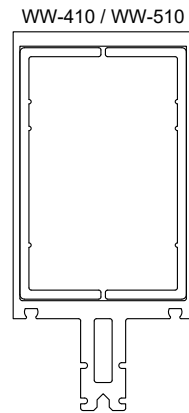
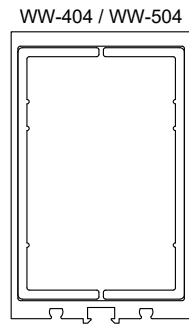
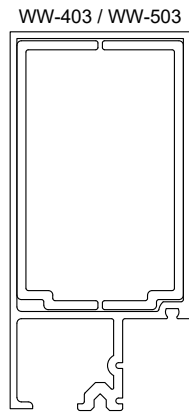
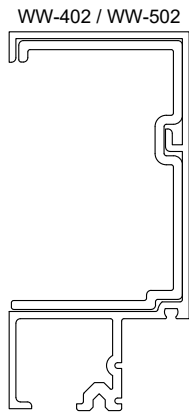
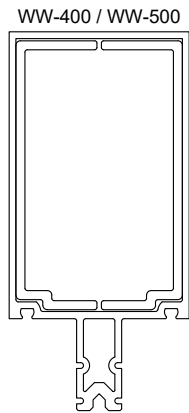
REF. INSTALLATION MANUAL FOR ADDITIONAL INFO.



STEEL REINFORCING CHART		
A	RS-19 (1 9/16" X 4 13/16" 10 GA.)	
B	PP-16 (1 1/2" X 4 1/4" 10 GA.)	
C	PP-17 (1 5/16" X 3 3/4" 10 GA.)	
D	RS-18 (1 7/8" X 4 11/16" 10 GA.)	
E	RS-22 (1 9/16" X 3 9/16" 10 GA.)	
F	RS-21 (1 1/2" X 3" 10 GA.)	
G	RS-23 (1 7/8" X 3 7/16" 10 GA.)	
H	STEEL BAR OPTION (BY OTHERS)	
J	1/4"-20 X 3" HEX HEAD BOLT NUT & WASHERS	1/4"-20 HEX
K	FS-259 (1/4"-20 X 1" PFH)	



## Reliance™ Curtain Wall Steel Reinforcement - M3430



6" SYSTEM DEPTH	
MULLION	SPLICE
WW-400	WW-193-01
WW-402	WW-293-01
WW-403	WW-193-01
WW-404	WW-192-01
WW-410	WW-192-01
WW-230	WW-190-01
WW-240	WW-191-01
WW-241	WW-202-01

7-1/4" SYSTEM DEPTH	
MULLION	SPLICE
WW-500	WW-194-01
WW-502	WW-294-01
WW-503	WW-194-01
WW-504	CW-74
WW-510	CW-74
WW-230	WW-190-01
WW-240	WW-191-01
WW-241	WW-202-01

REFERENCE INSTALLATION MANUAL FOR ADDITIONAL SPLICE INFO.

## Reliance™ Curtain Wall Mullion Splicing - M3443