

# Oldcastle BuildingEnvelope®

1-866-Oldcastle (653-2278) - [www.obe.com](http://www.obe.com)

## RELIANCE™-TC TYPE I (STD. HORIZONTALS & TC VERTICALS) w/ FRP Pressure Plates 2-1/2" X 6-1/4" W/ 1" TYPICAL INFILL

*(Drawing numbers---i.e., H3201---used as CAD detail reference only)*

### Elevation

#### Horizontal Details

H3201	Head
H3204	Sill
H3205	Intermediate Horizontal
H3208	Roll-Over Horizontal
H3209	Roll-Under Horizontal
H3218	Horizontal at Operable Window (Pocket Frame)
H3219	Horizontal at Operable Window (Flat Frame)

#### Vertical Details

V3251	Jamb
V3252	Typical Vertical
V3255	Heavy Vertical
V3259	Vertical at Operable Window
V3282	SSG Vertical

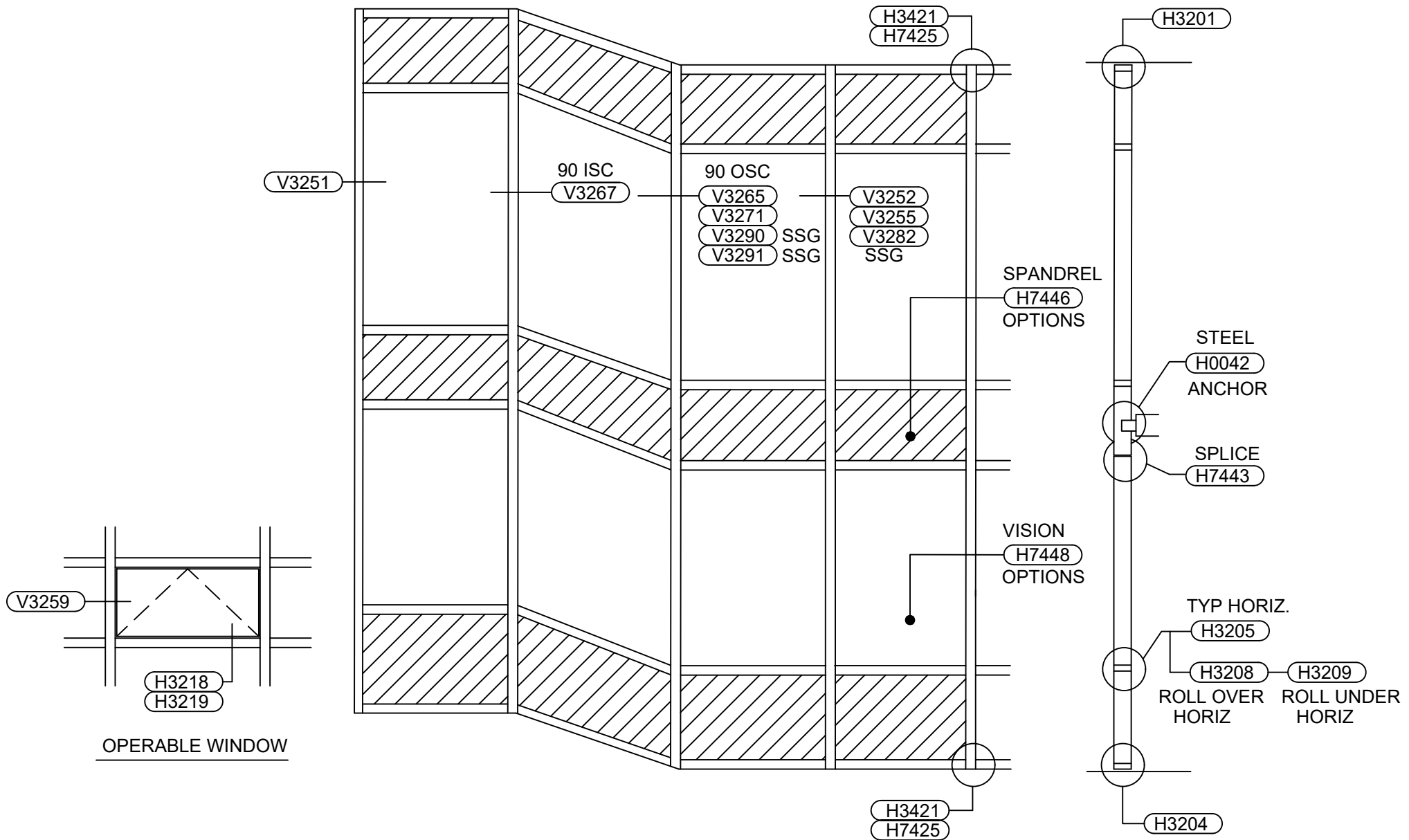
#### Corner Details

V3265	90° Outside Corner - 2 Mullion
V3267	90° Inside Corner - 2 Mullion
V3271	90° Outside Corner
V3290	SSG 90° Outside Corner Option 1
V3291	SSG 90° Outside Corner Option 2

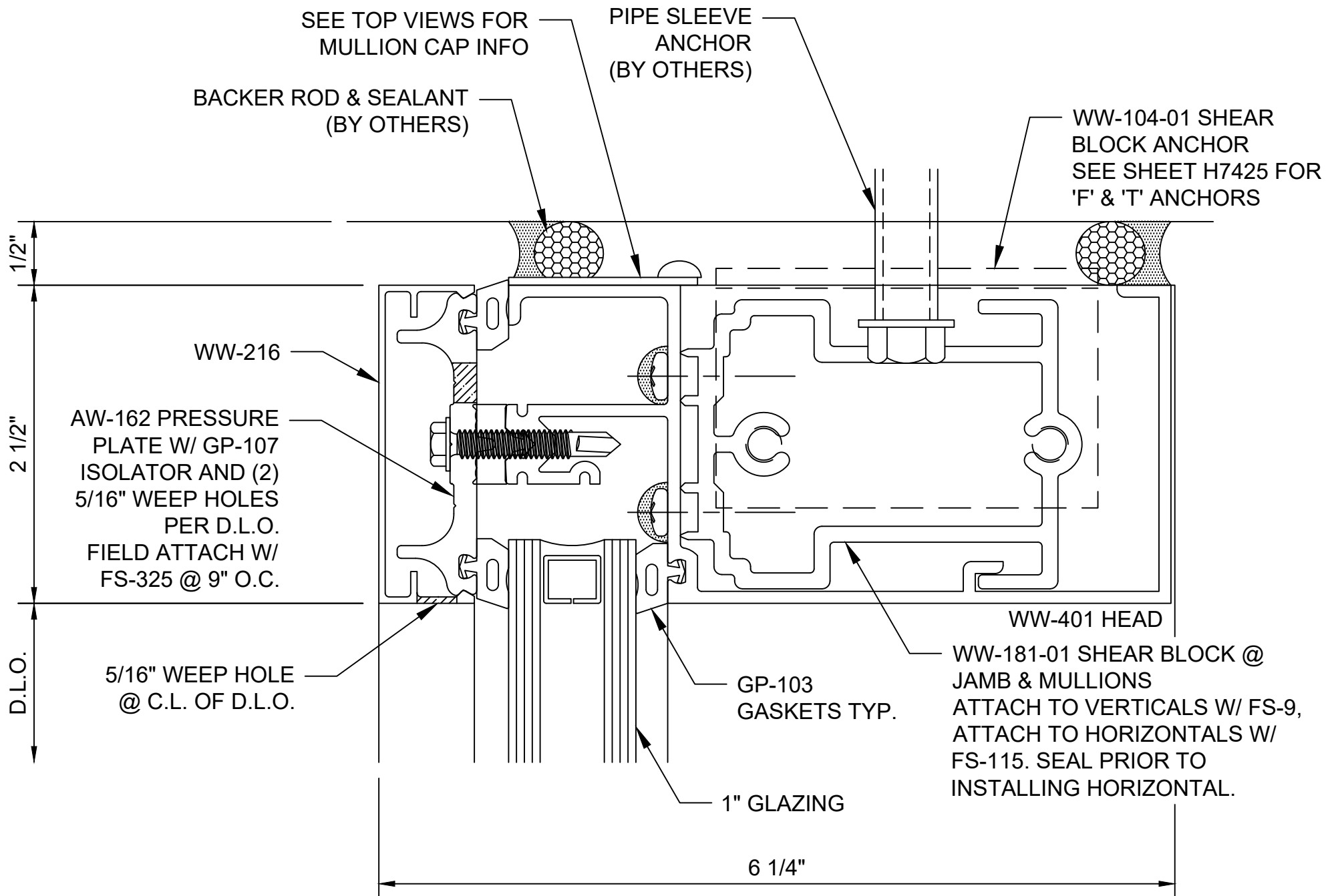
#### Misc. Details

H0042	Steel Anchoring
H3421	Shear Block Anchoring
H7425	'F' & 'T' Anchoring
H7443	Mullion Splicing
H7448	Spandrel Glazing Option

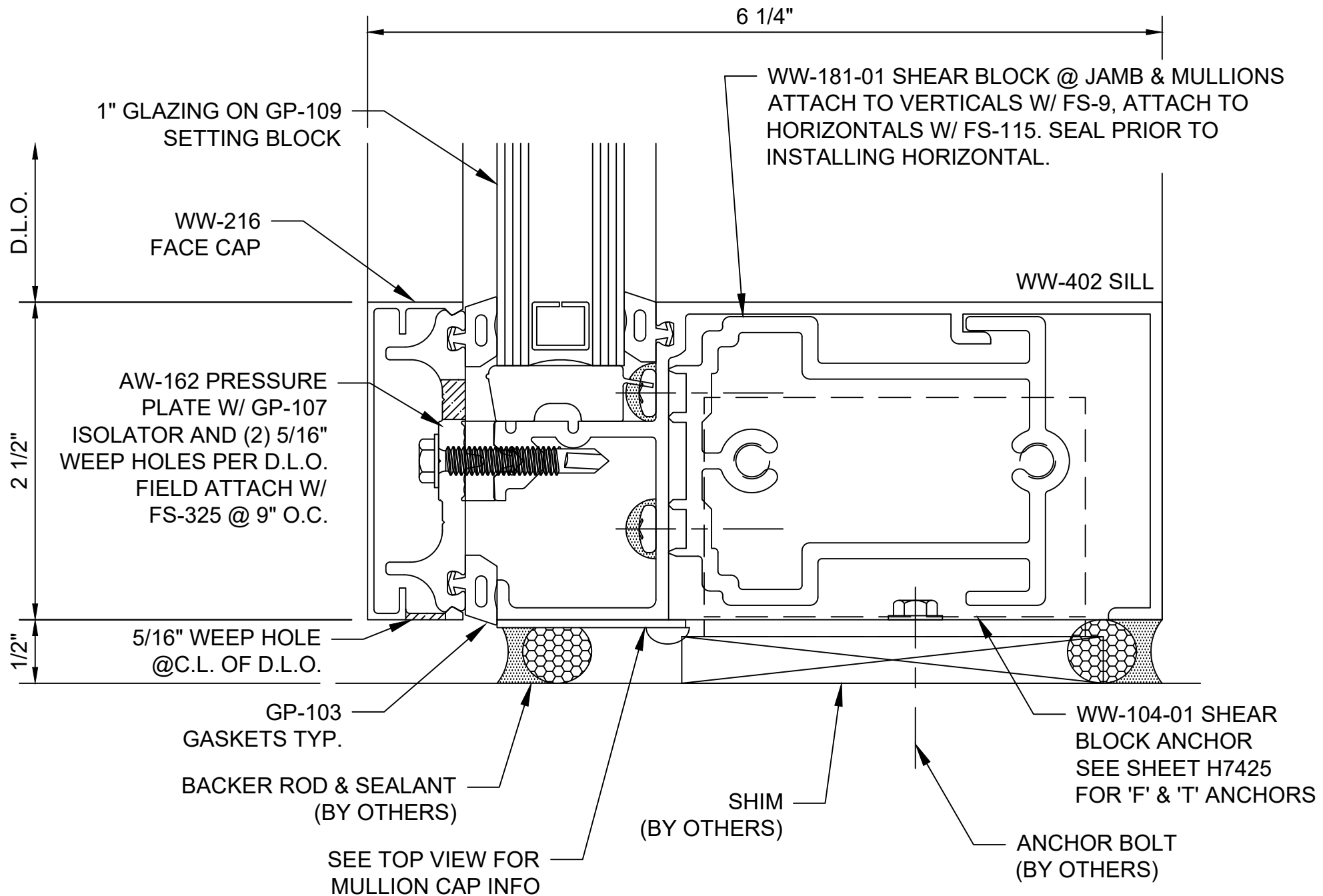
## Table of Contents



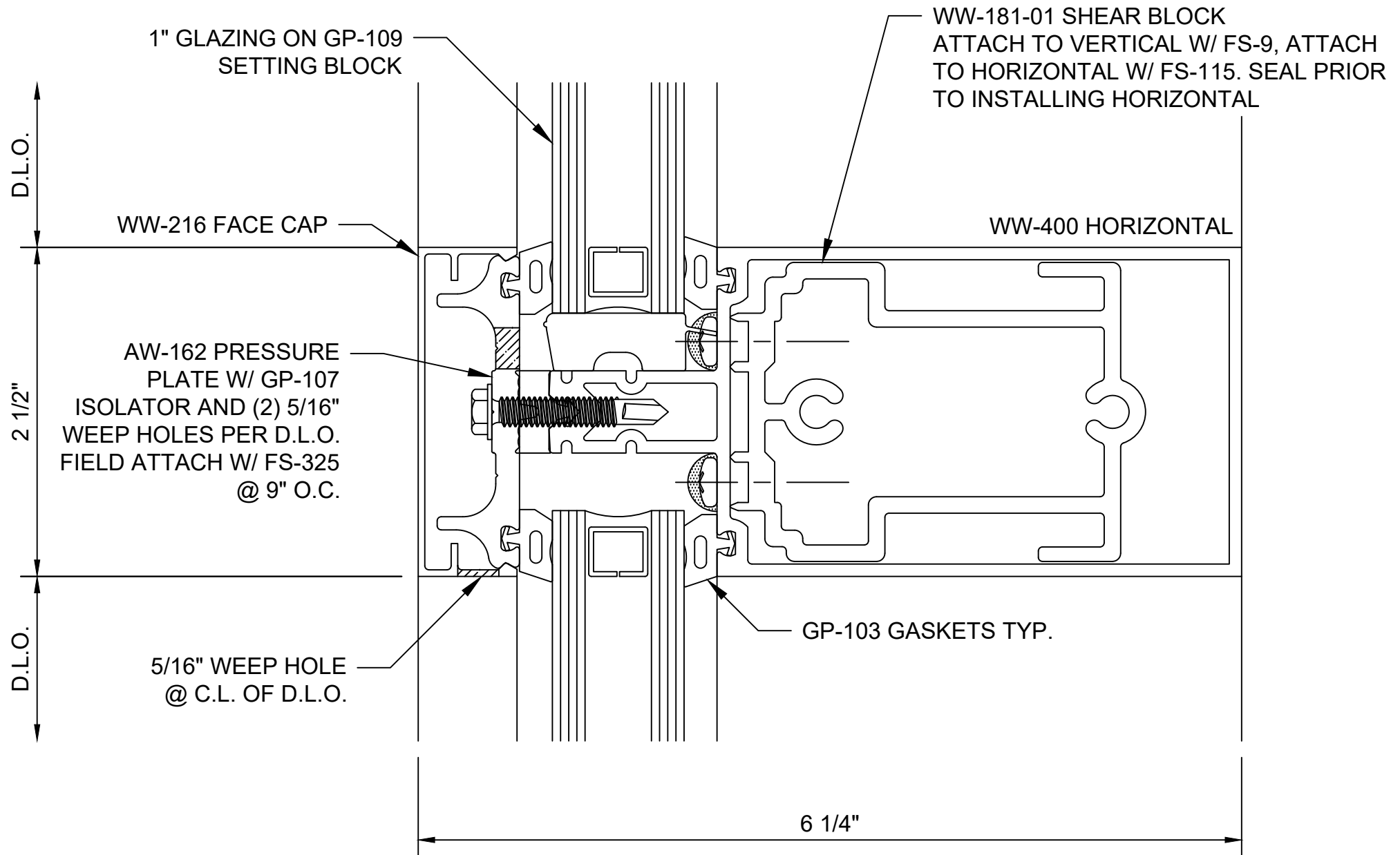
## Reliance™-TC Type I - Standard Horizontals w/ FRP Pressure Plates and TC Verticals 2-1/2" x 6-1/4" w/ 1" Glazing - Elevation



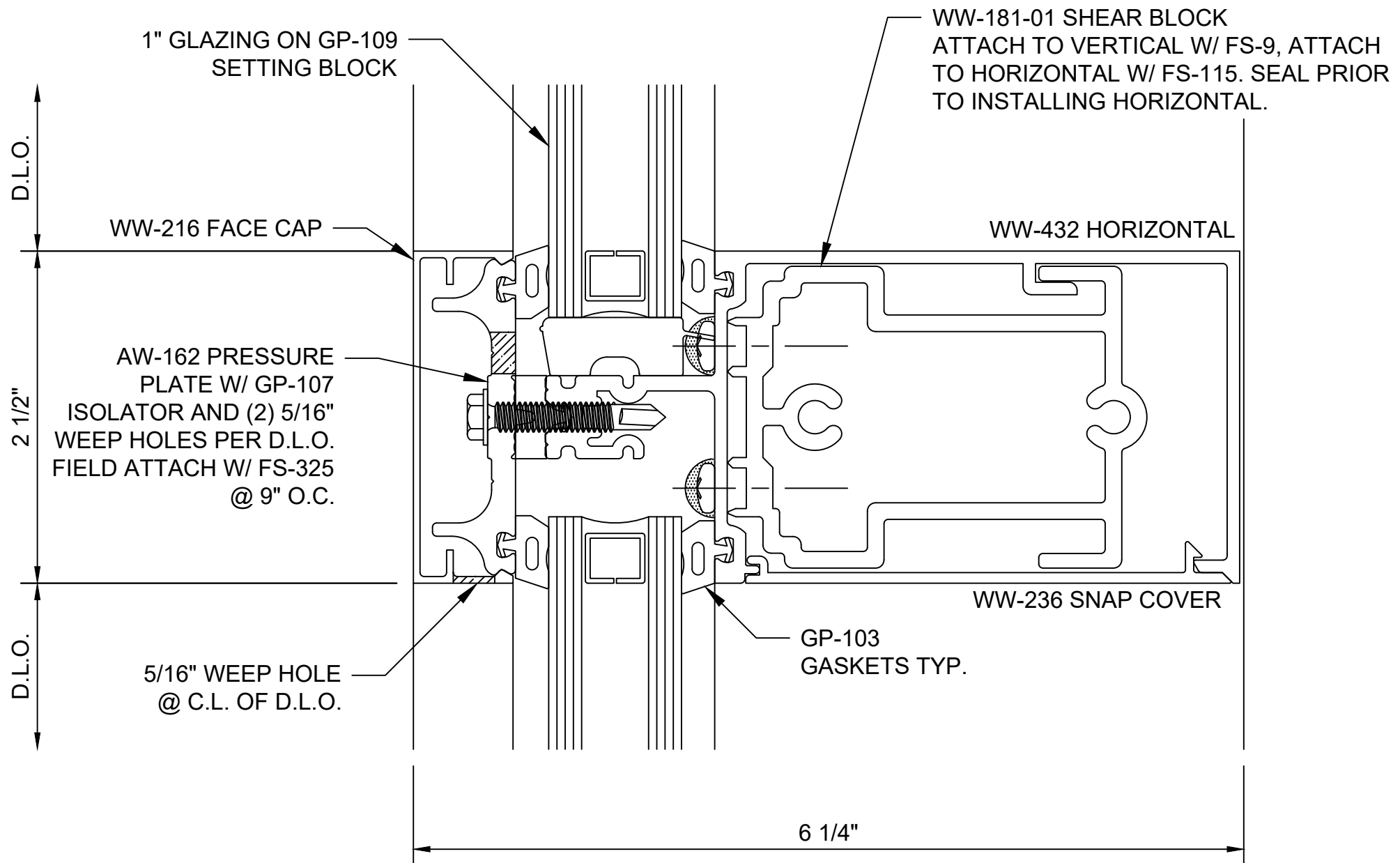
## Reliance™ Curtain Wall Head at Vision - H3201



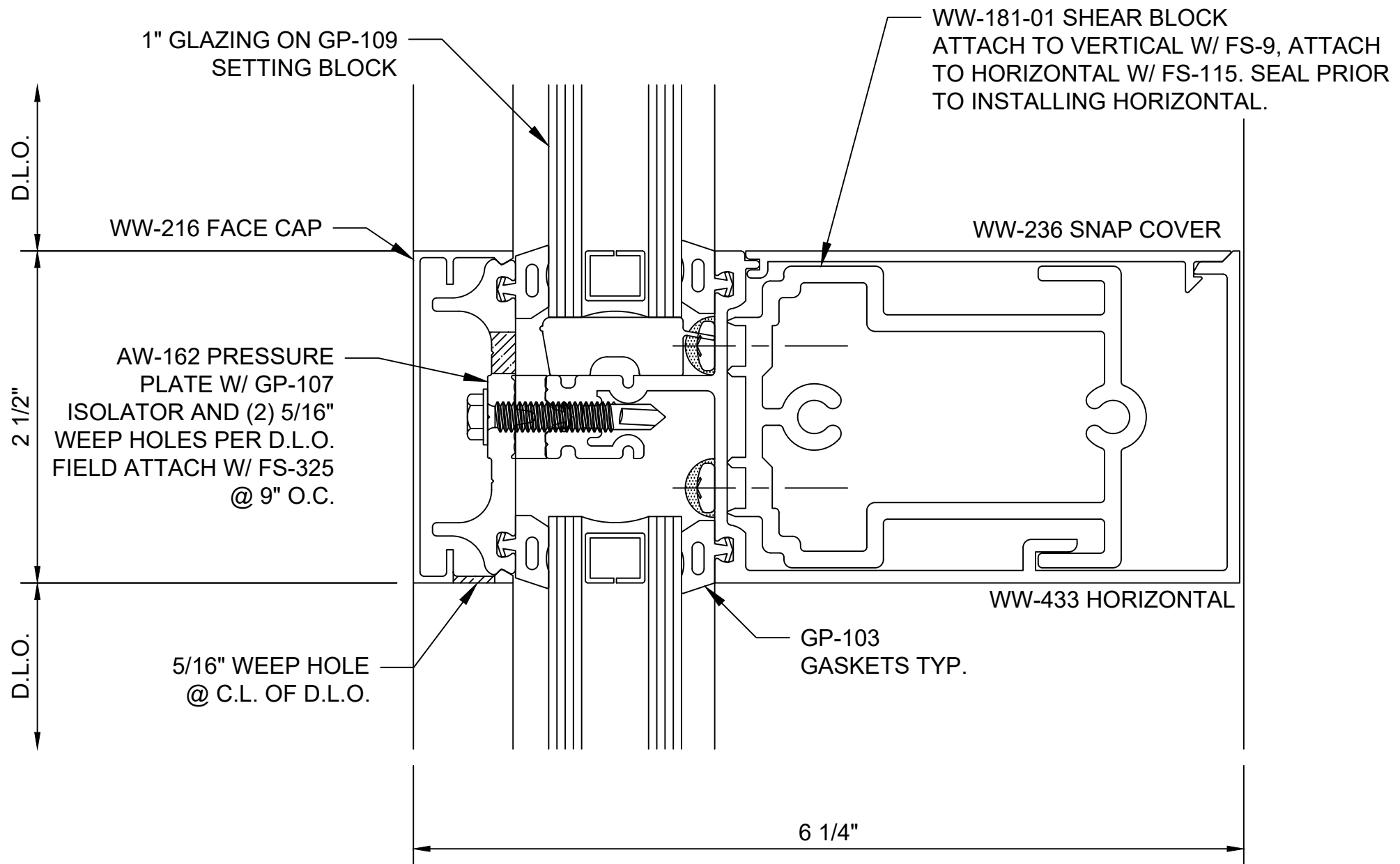
## Reliance™ Curtain Wall Sill at Vision - H3204



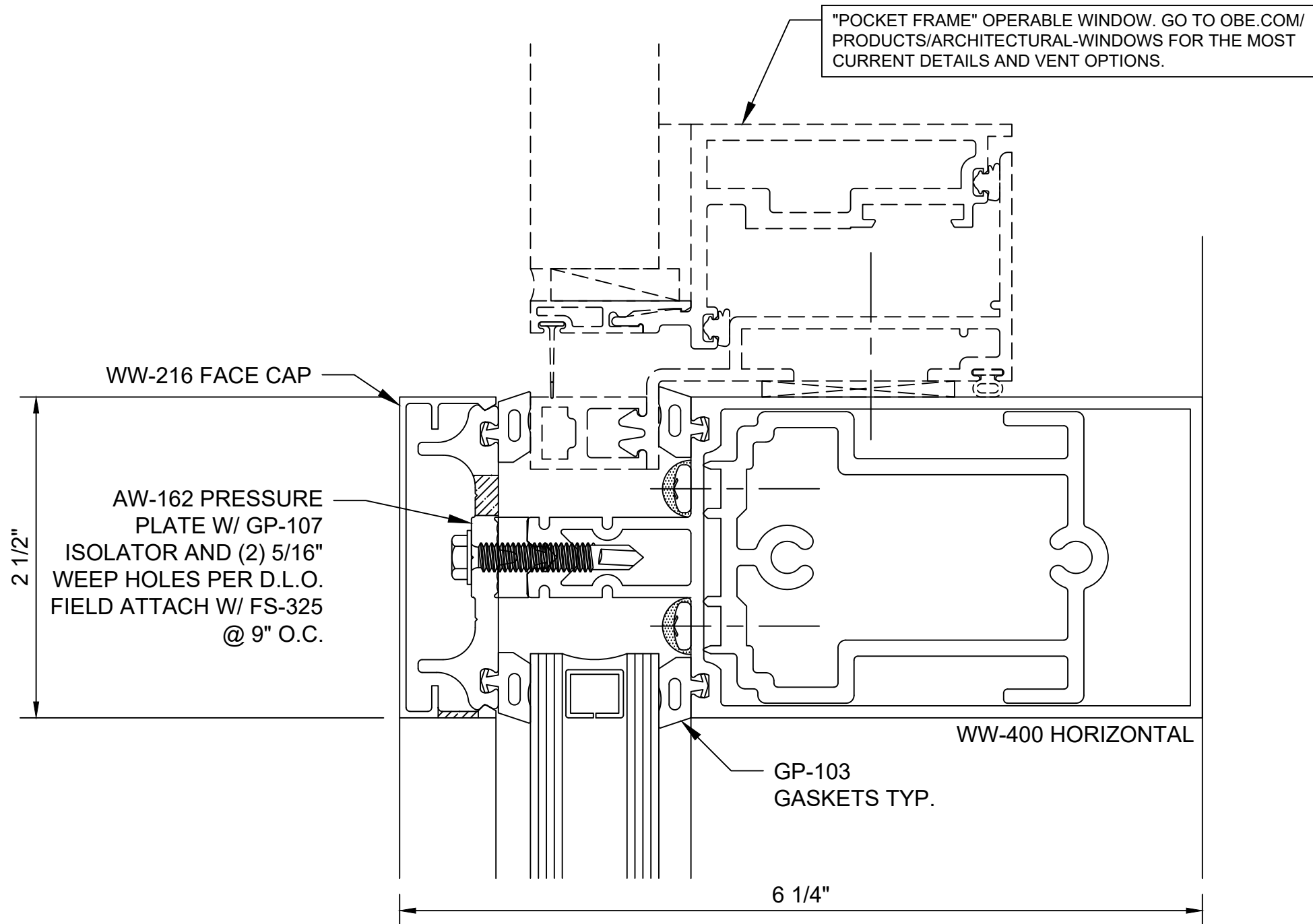
**Reliance™ Curtain Wall**  
**Intermediate Horizontal at Vision - H3205**



**Reliance™ Curtain Wall**  
**Roll-over Horizontal at Vision - H3208**

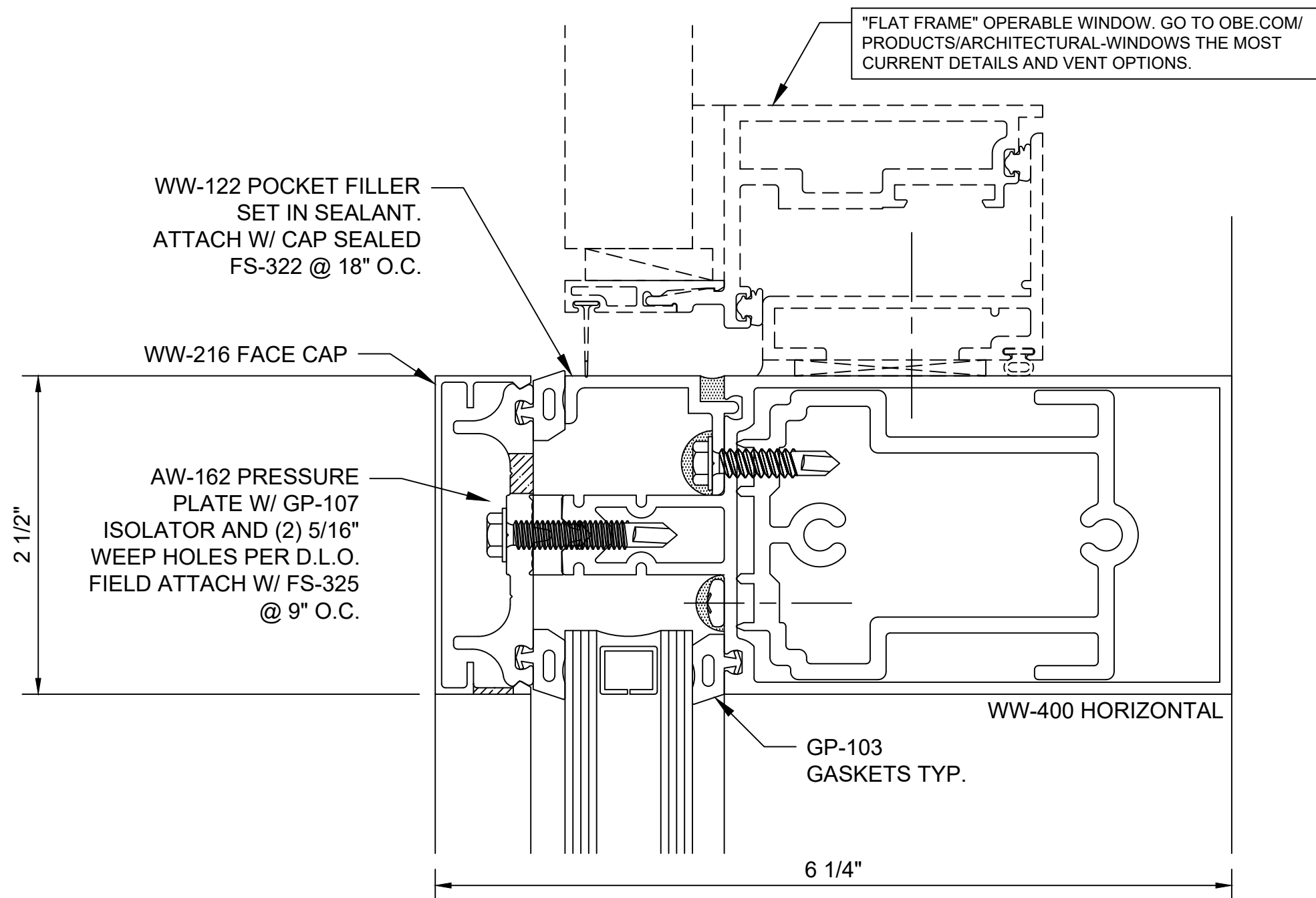


**Reliance™ Curtain Wall**  
**Roll-under Horizontal at Vision - H3209**

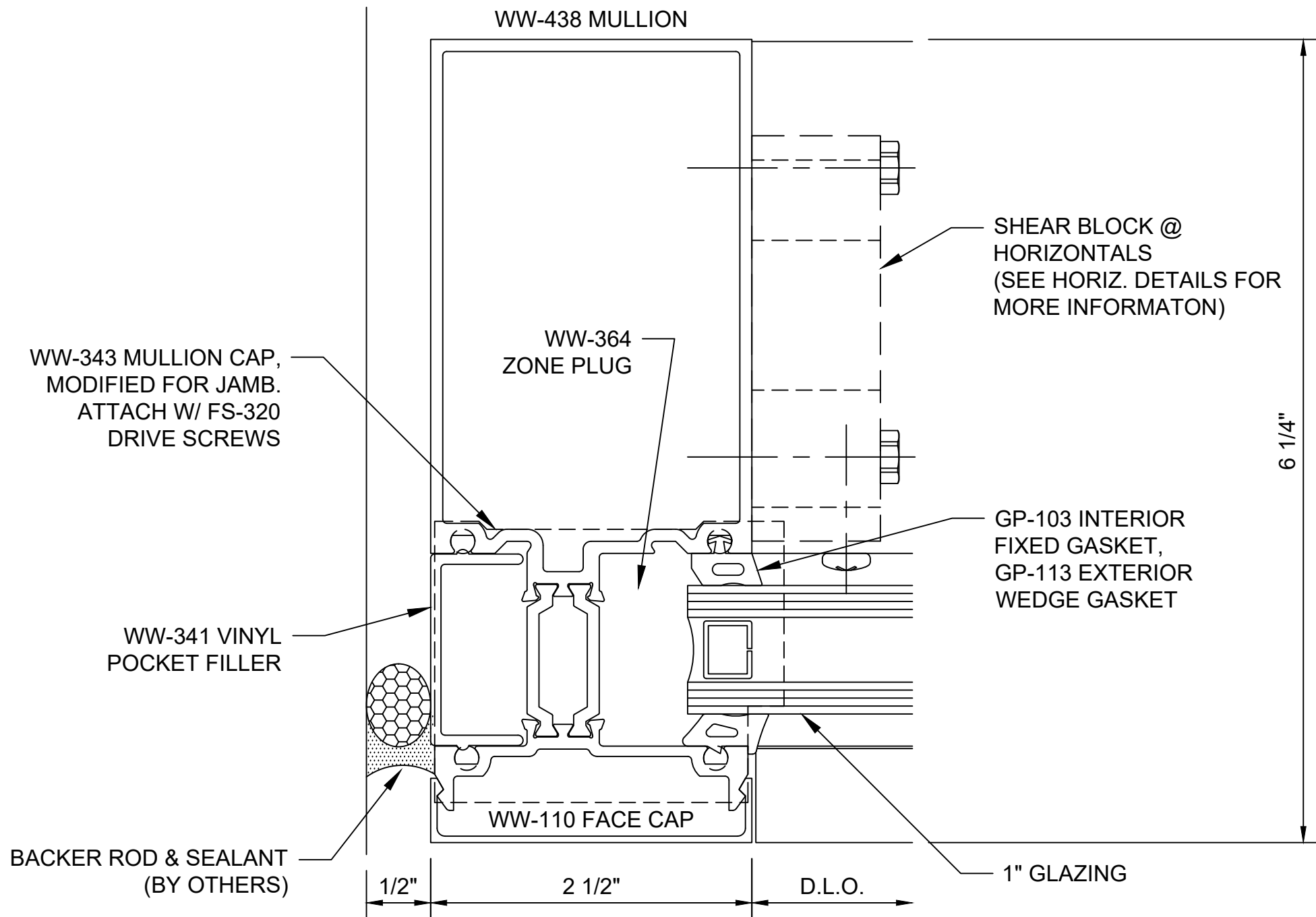


**Reliance™ Curtain Wall**  
**Horizontal at Operable Window - H3218**

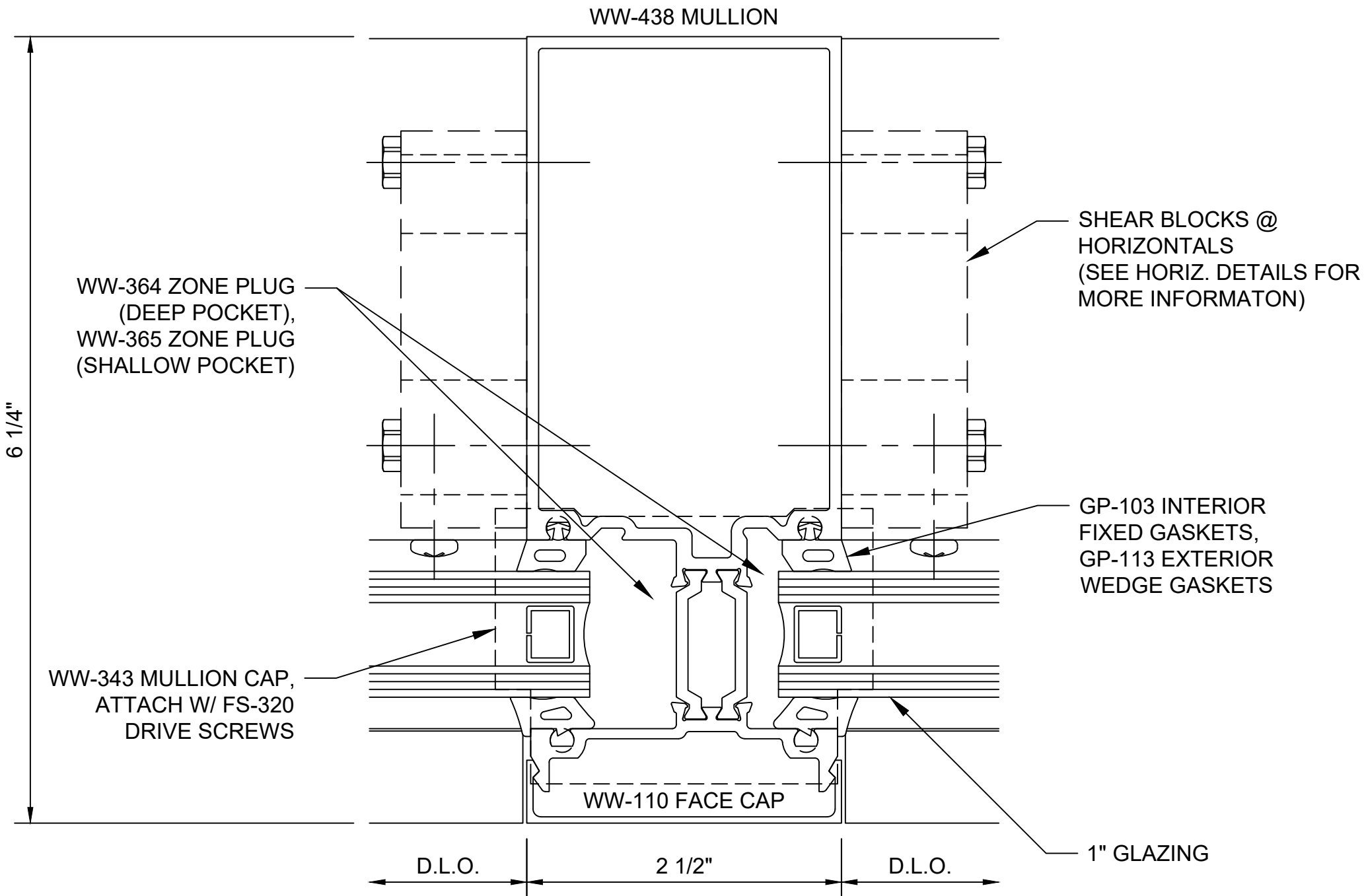




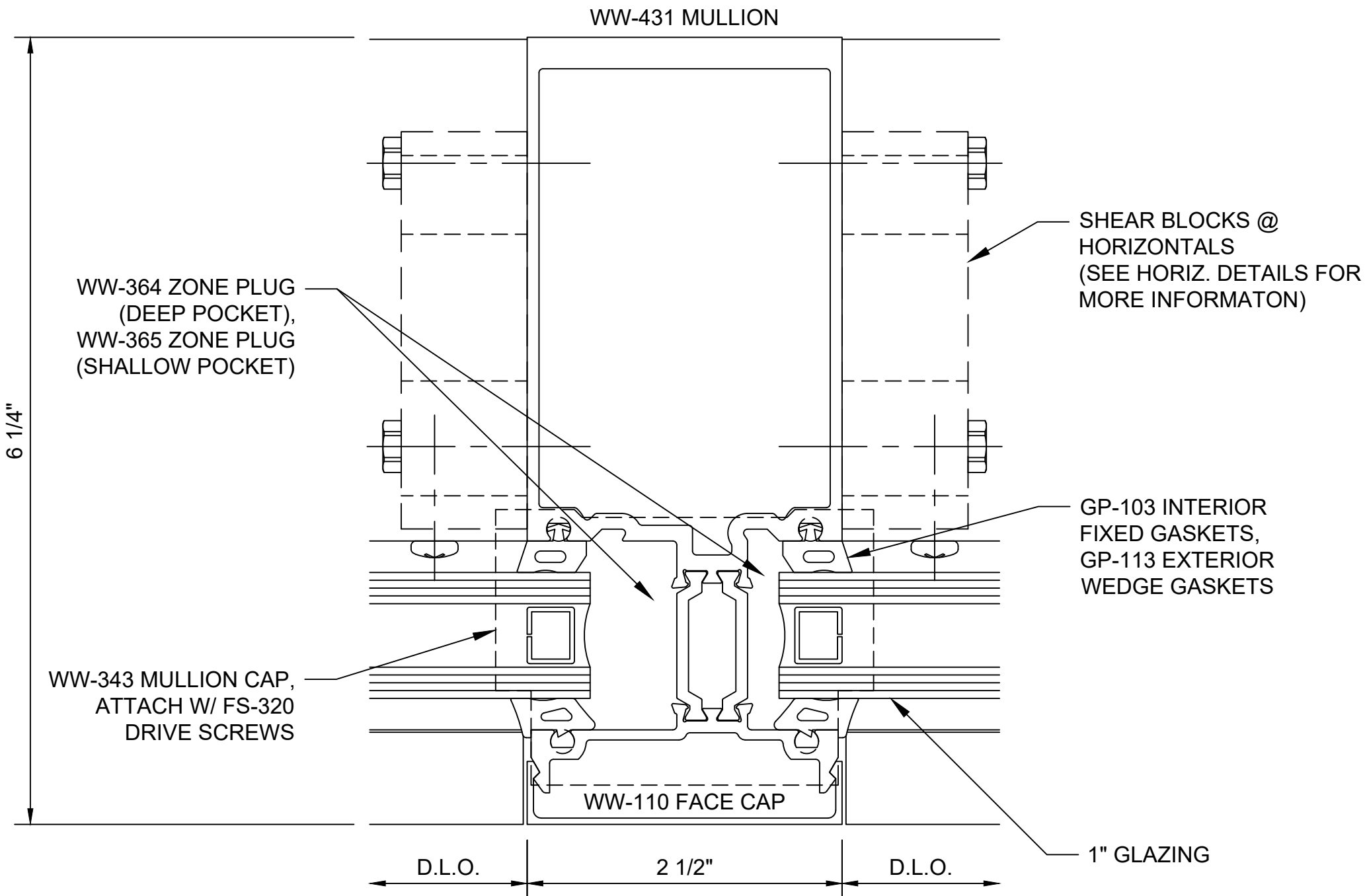
**Reliance™ Curtain Wall**  
**Horizontal at Operable Window - H3219**



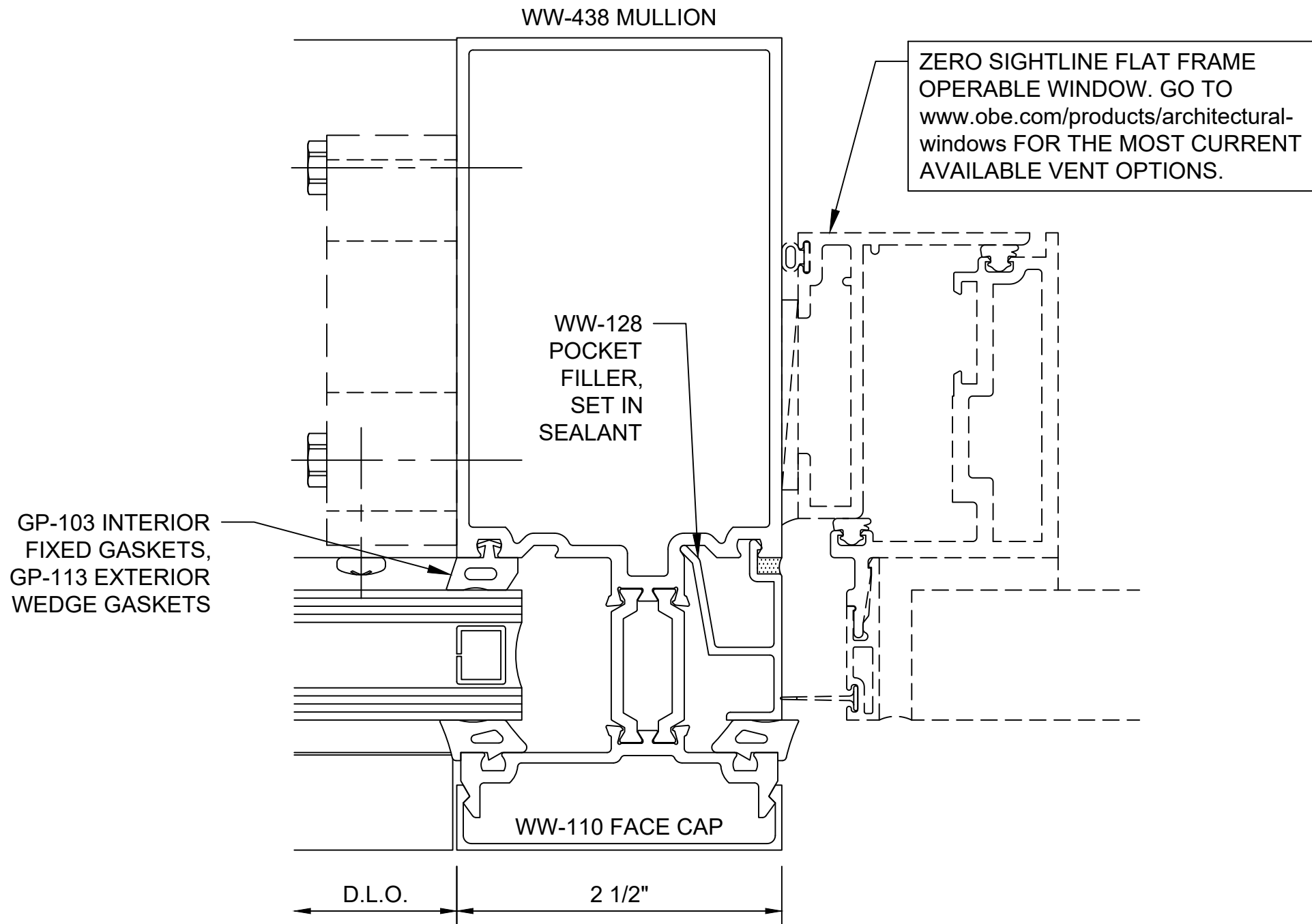
**Reliance™-TC Type I**  
**Jamb - V3251**



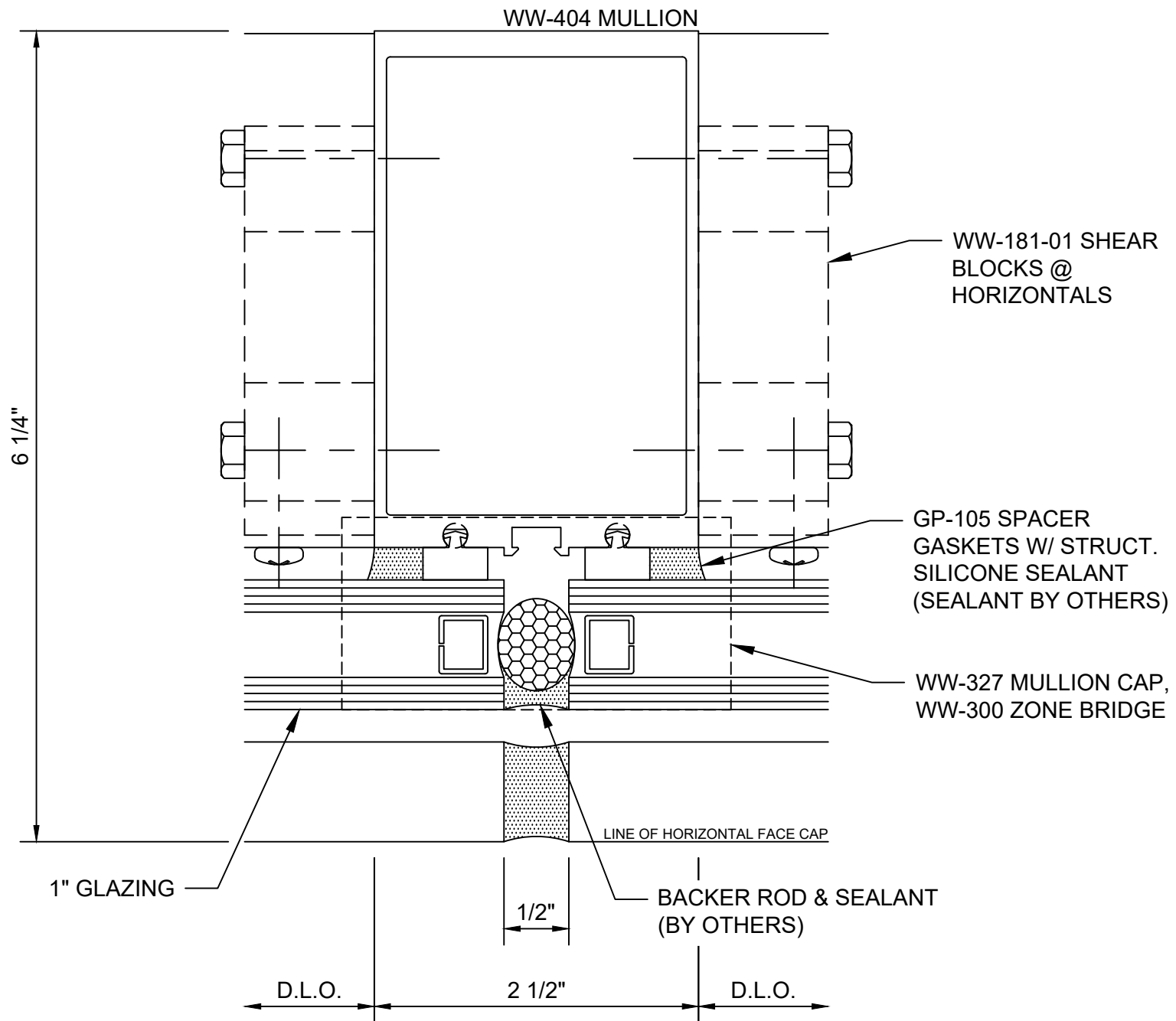
**Reliance™-TC Type I**  
**Intermediate Vertical - V3252**



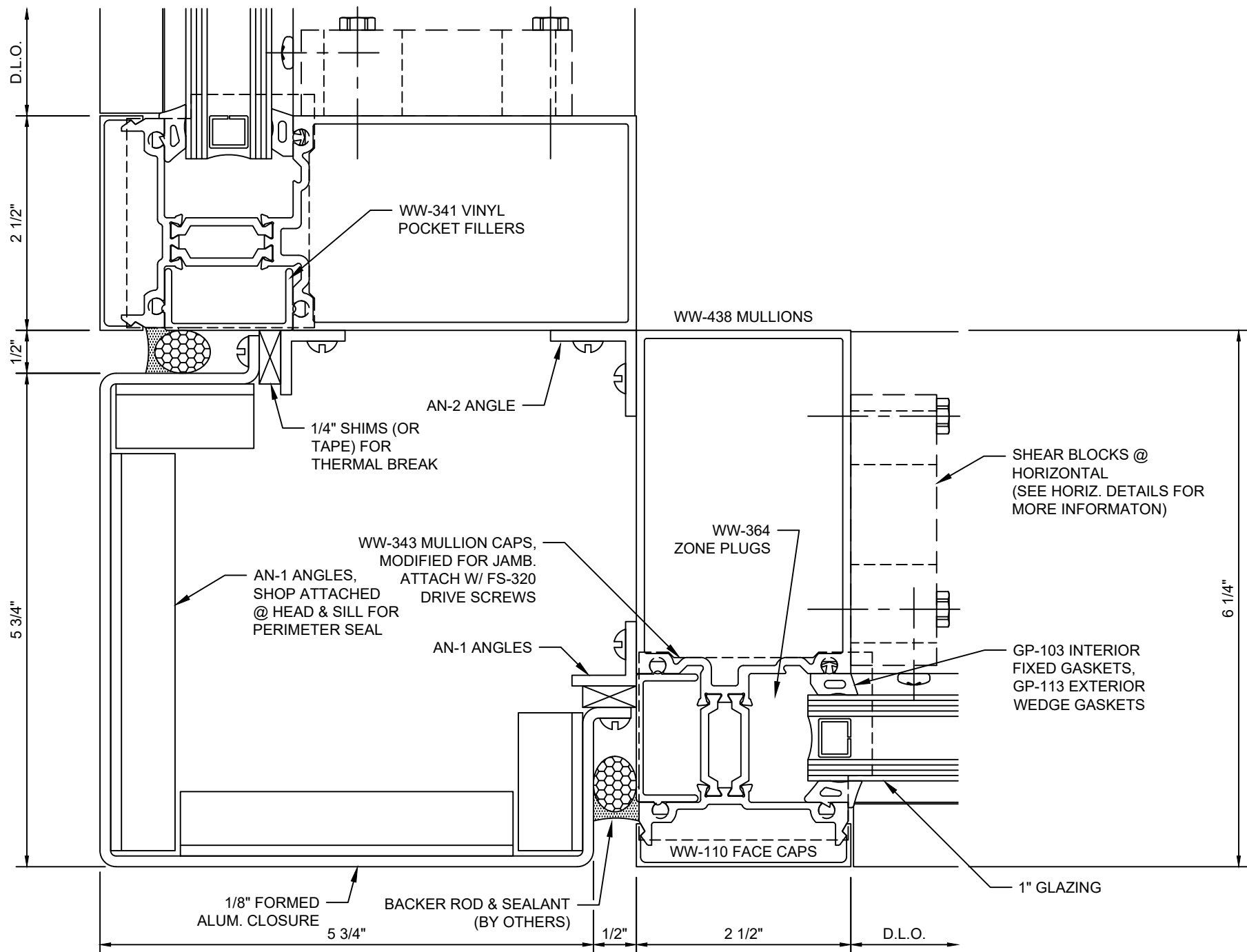
**Reliance™-TC Type I**  
**Heavy Vertical - V3255**



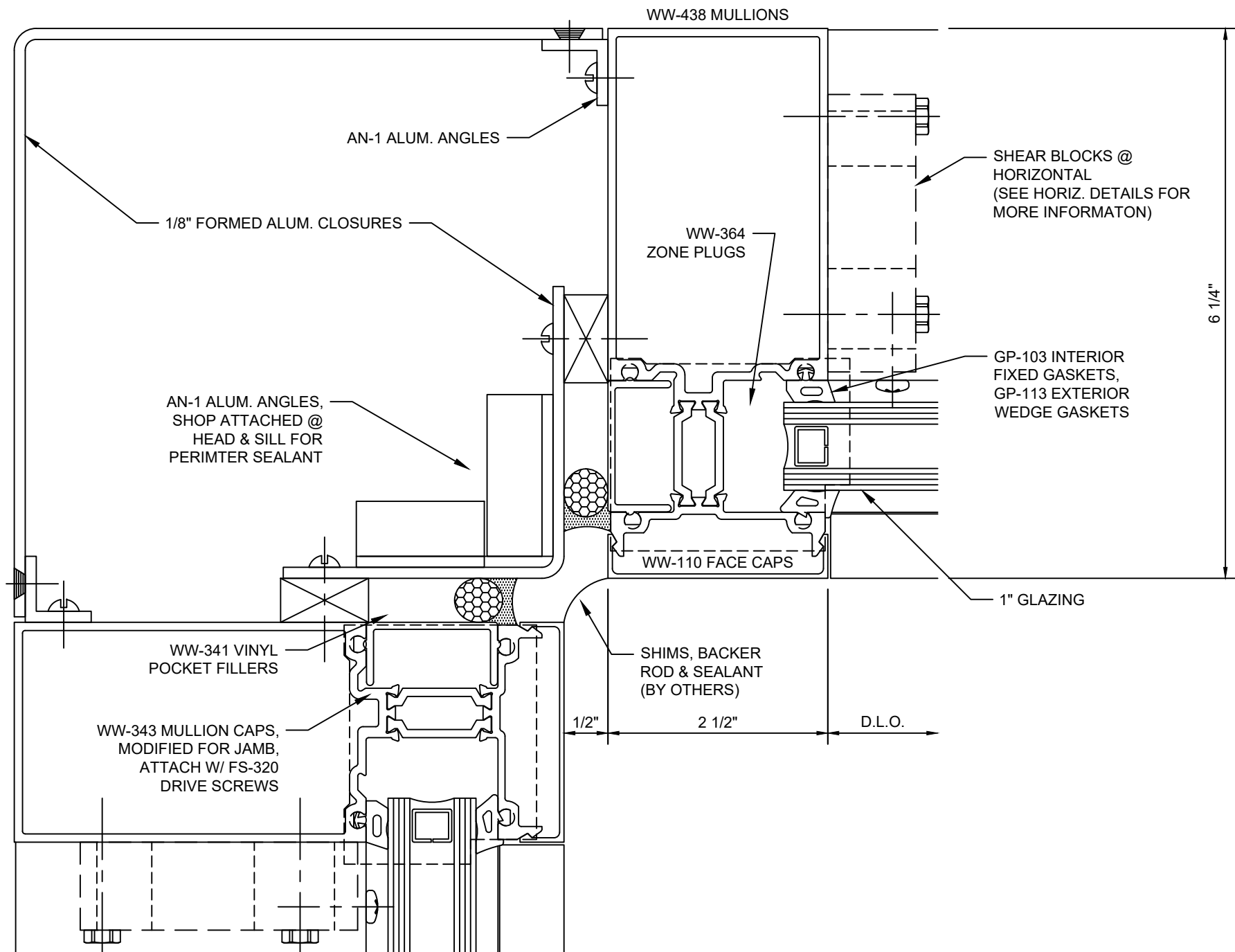
**Reliance™-TC Type I**  
**Vertical at Operable Window - V3259**



## Reliance™-TC Type I SSG Vertical - V3282

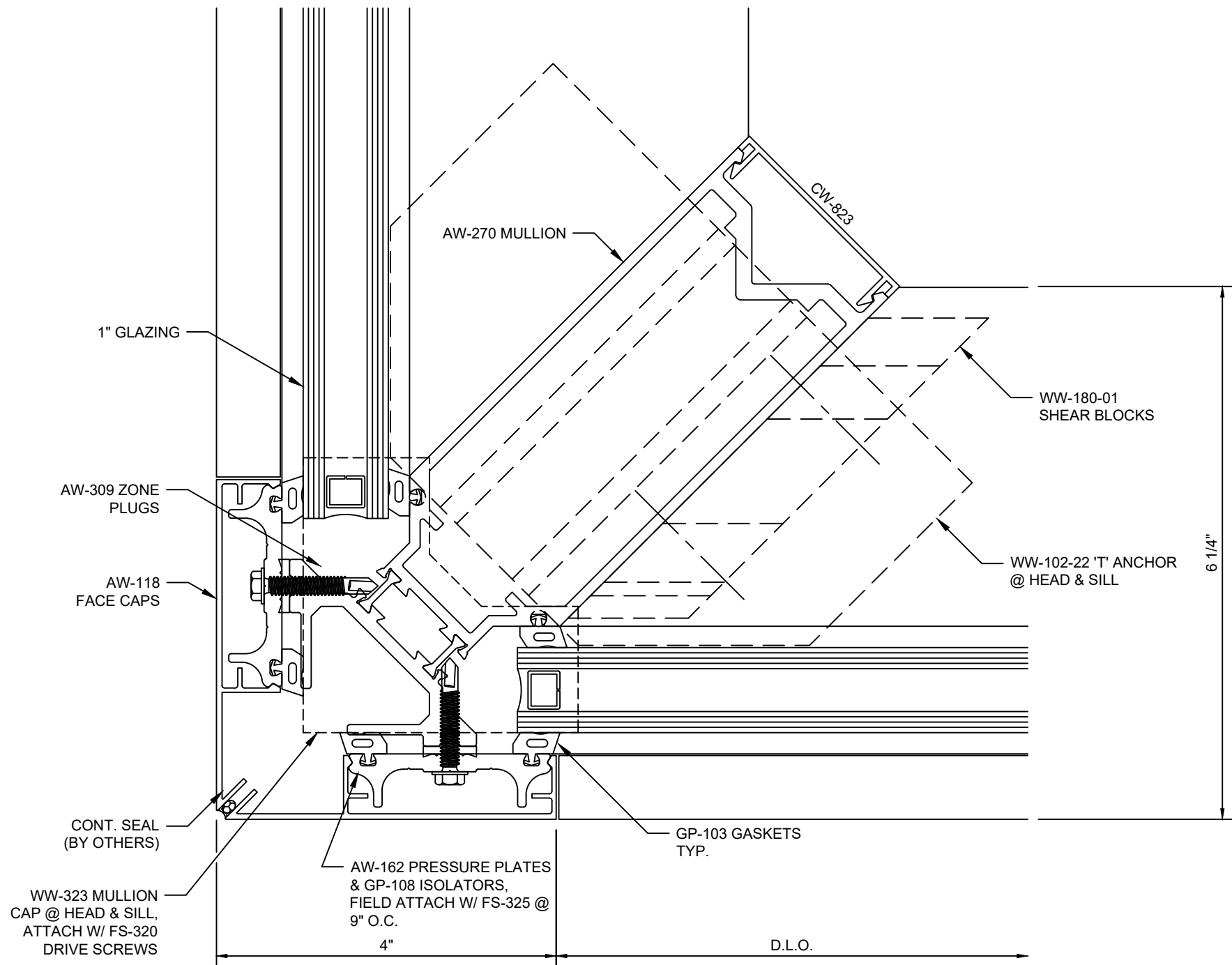


## Reliance™-TC Type I 90° Outside Corner - V3265

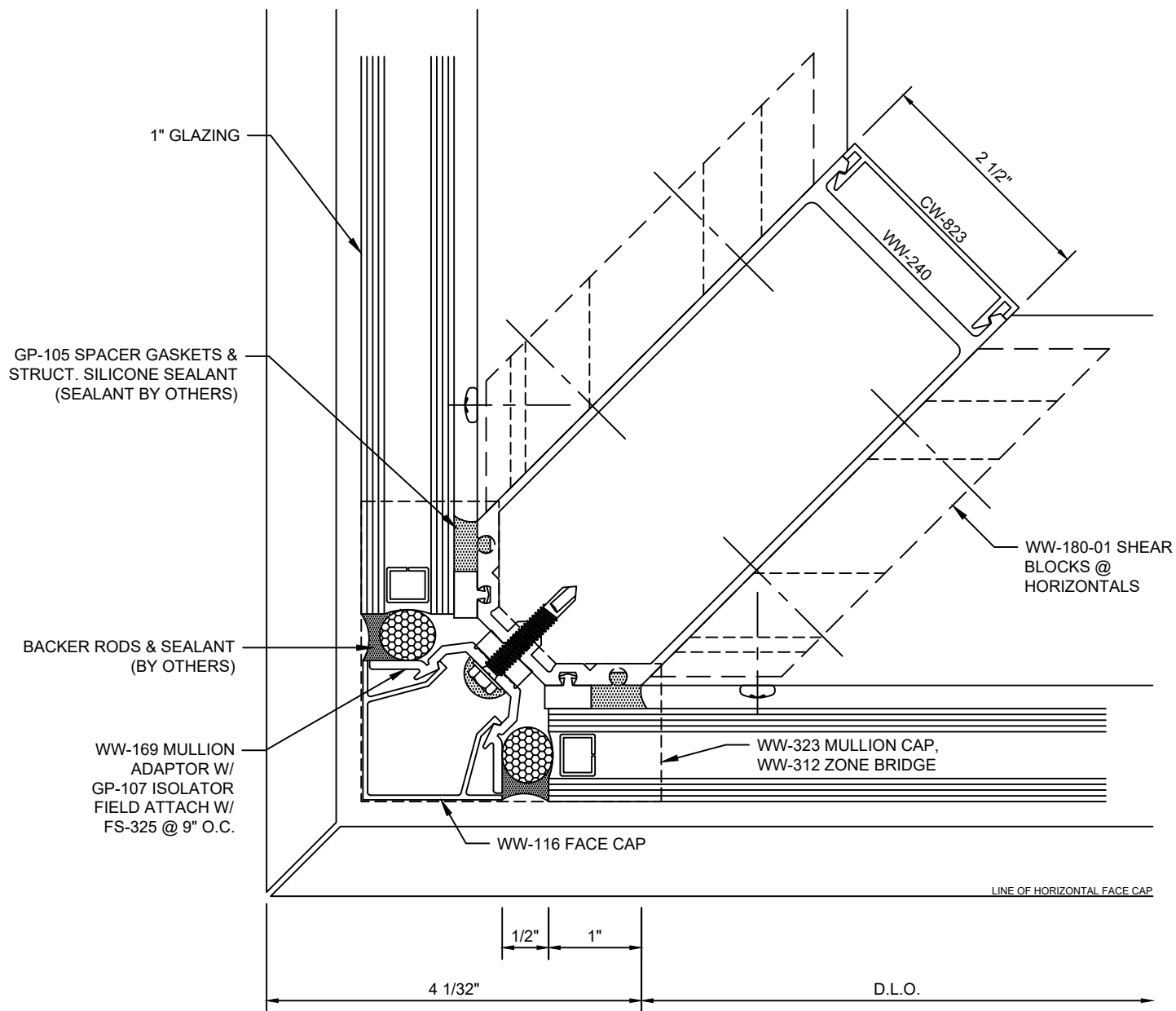


**Reliance™-TC Type I**  
**90° Inside Corner - V3267**

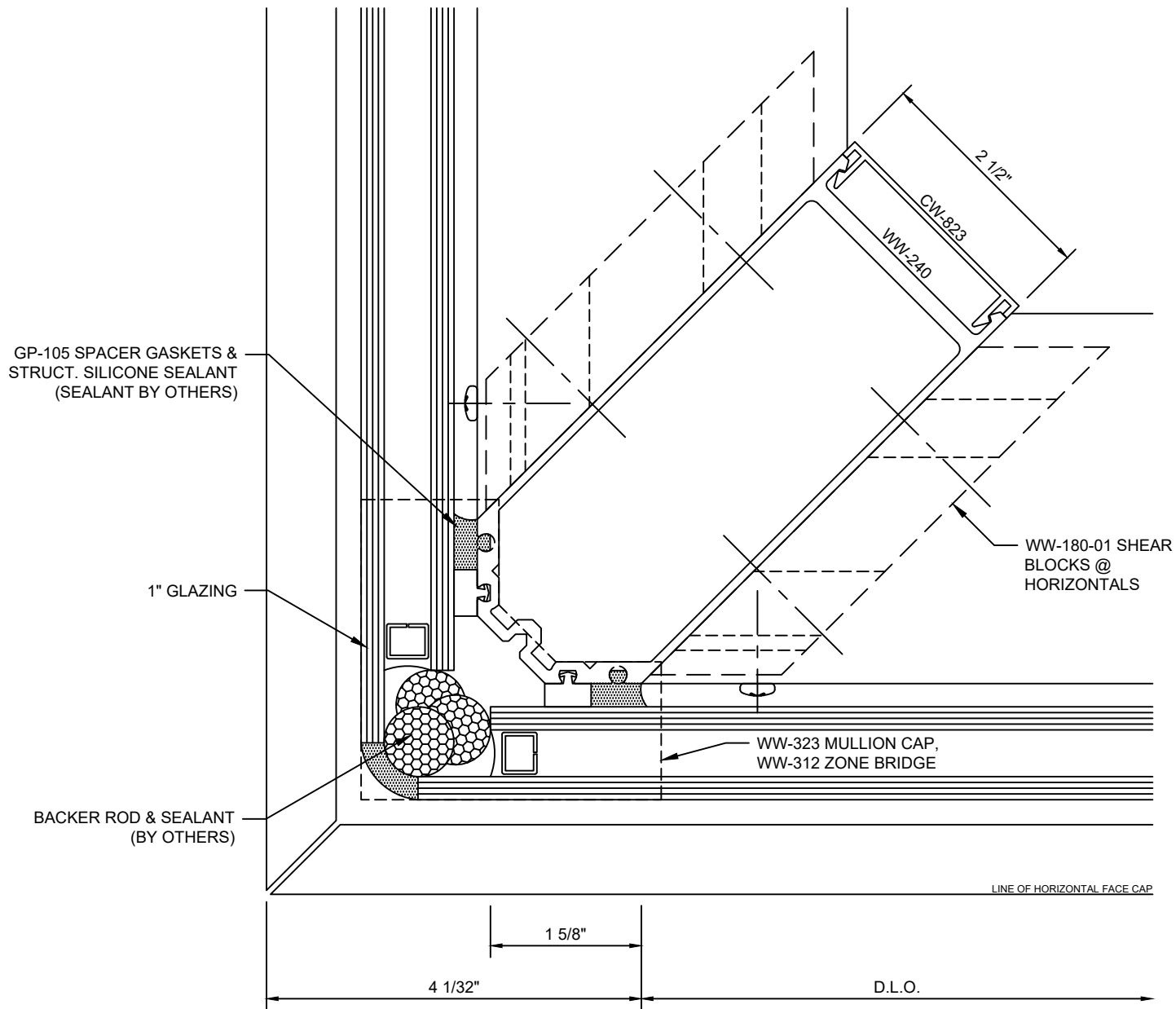




**Reliance™-TC Type I**  
**90° Outside Corner - V3271**



**Reliance™-TC Type I**  
**SSG 90° Outside Corner w/ Cap - V3290**

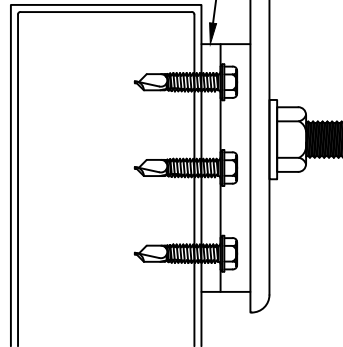


**Reliance™-TC Type I**  
**SSG 90° Outside Corner - V3291**

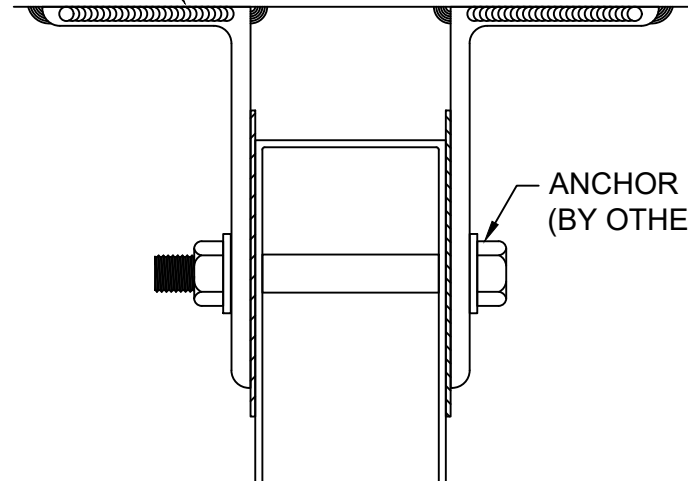
WELD AS REQUIRED BY INSTALLER

FLOOR SLAB OR BEAM

WW-2223 JAMB ANCHOR PLATE  
ATTACH W/ (6) FS-336 (1/4"-20 X  
1-1/8" HWH DRILL FLEX)



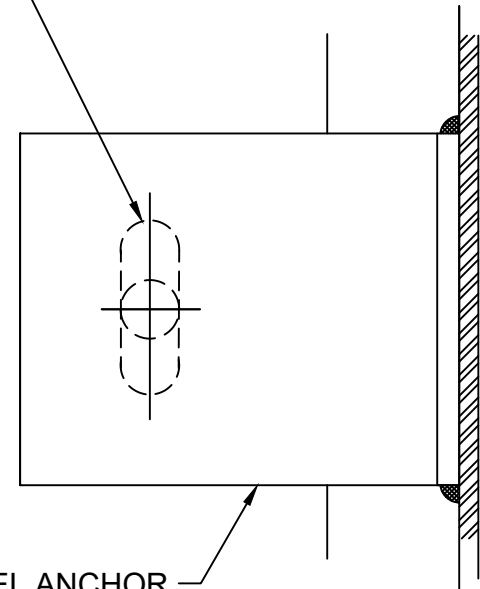
Plan View  
Jamb Option



Plan View  
Intermediate Mullion

ANCHOR BOLT  
(BY OTHERS)

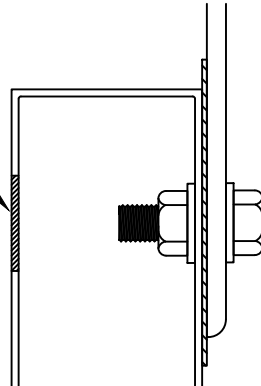
HOLE IN ANCHOR @ DEAD LOAD  
SLOT IN ANCHOR @ WIND LOAD



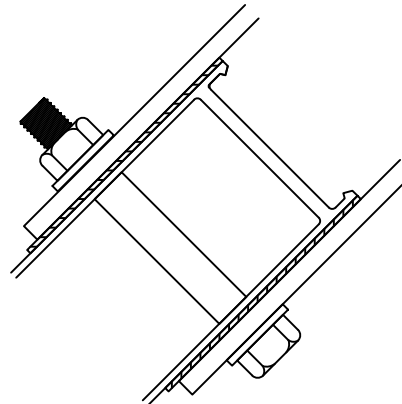
Side View

STEEL ANCHOR  
DESIGN DETERMINED  
BY ENGINEER. SEE  
APPROVED SHOP  
DRAWINGS.

ACCESS HOLE

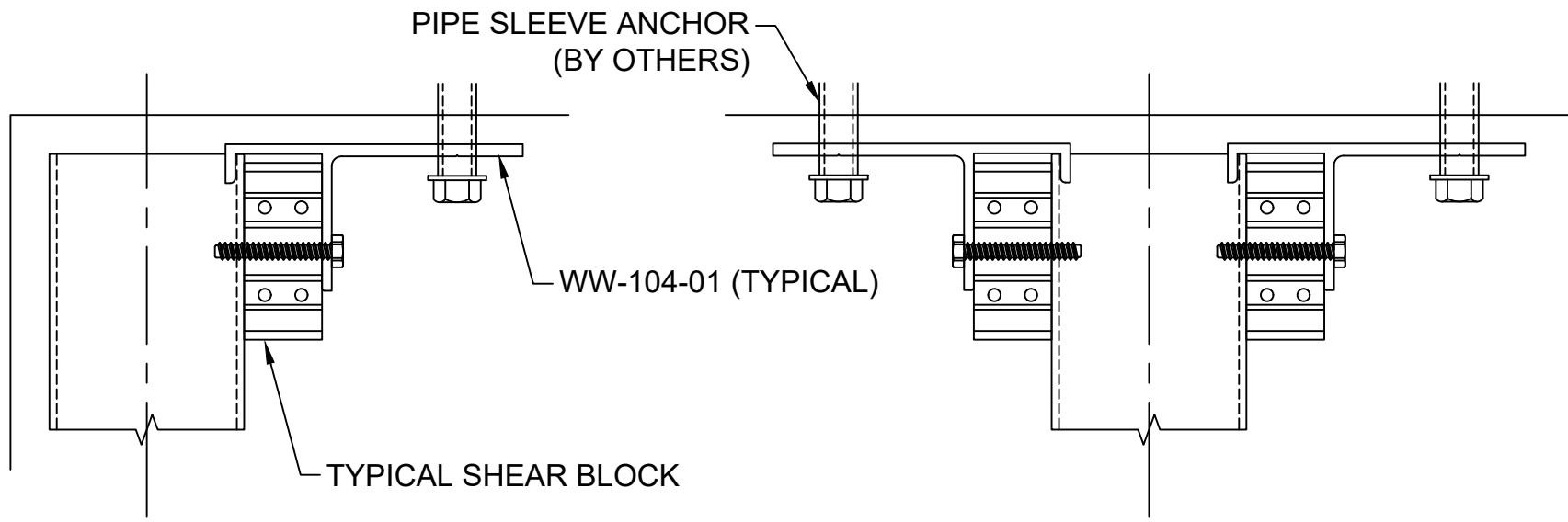


Plan View  
Jamb Option



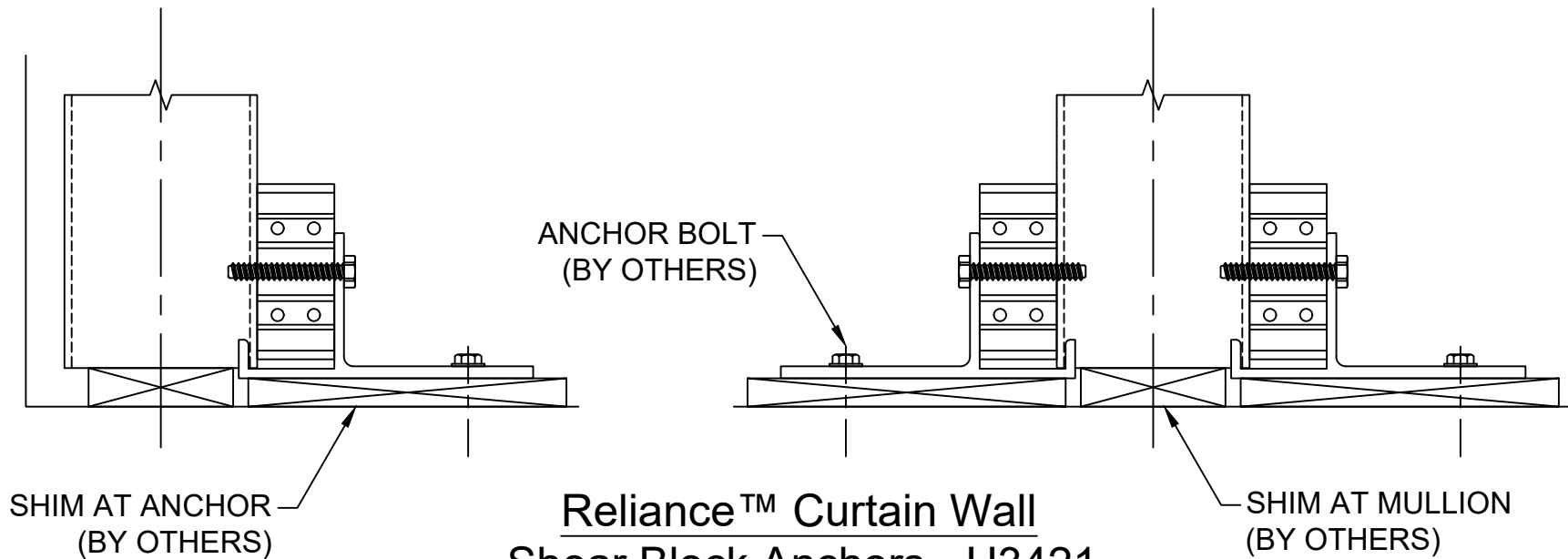
Plan View  
Single Mull Corners

## Standard Curtain Wall Steel Anchor - H0042

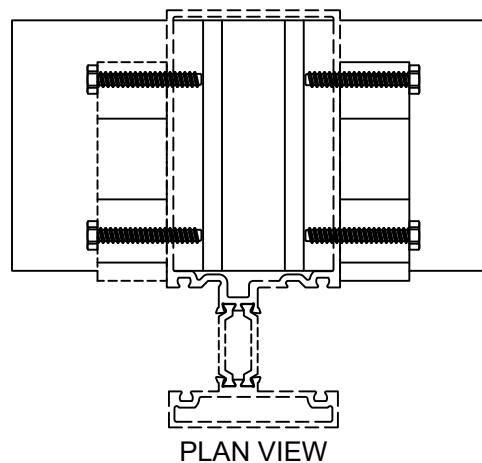
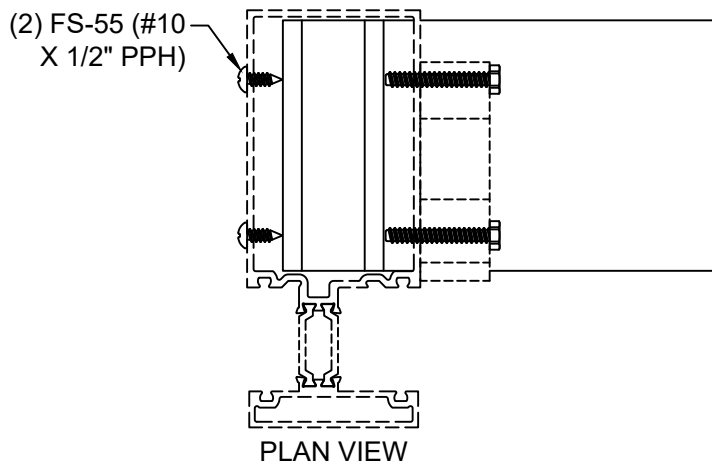
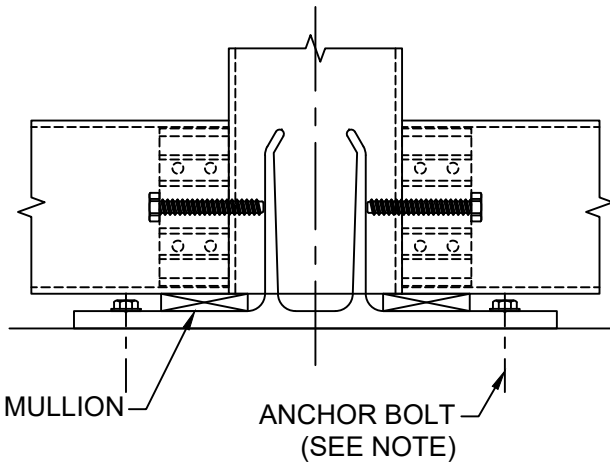
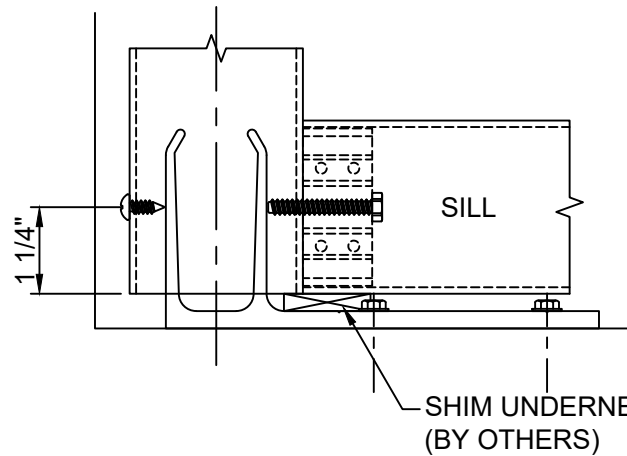
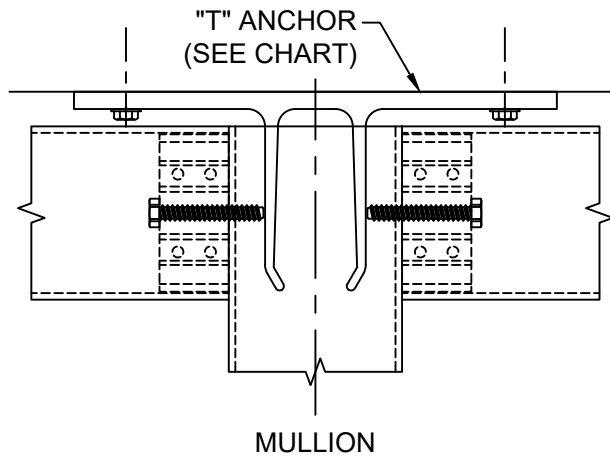
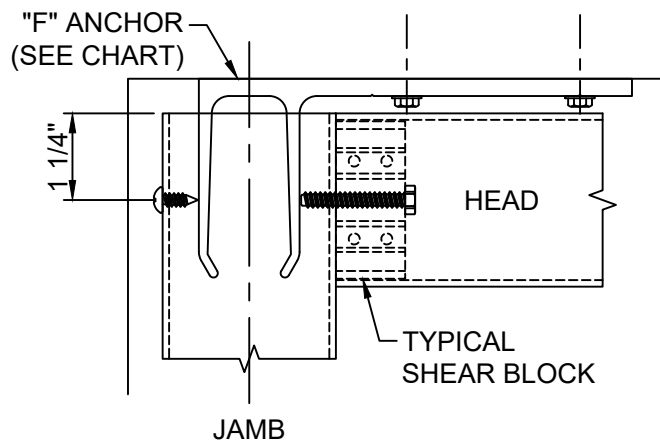


**NOTE:**

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 Anchors - H3421**



## "F" ANCHOR CHART

PART NO.	MULLION
WW-103-05	WW-520/WW-538
WW-103-06	WW-420/WW-438
WW-103-07	WW-530/WW-531/WW-566
WW-103-08	WW-430/WW-431/WW-466

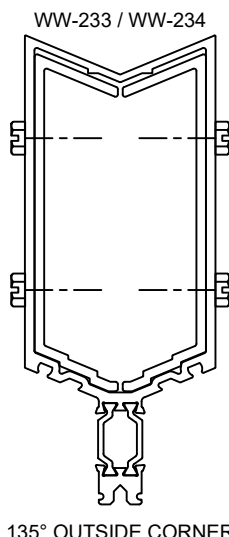
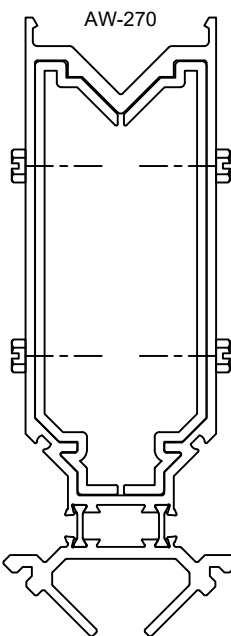
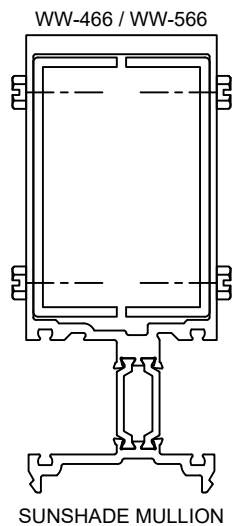
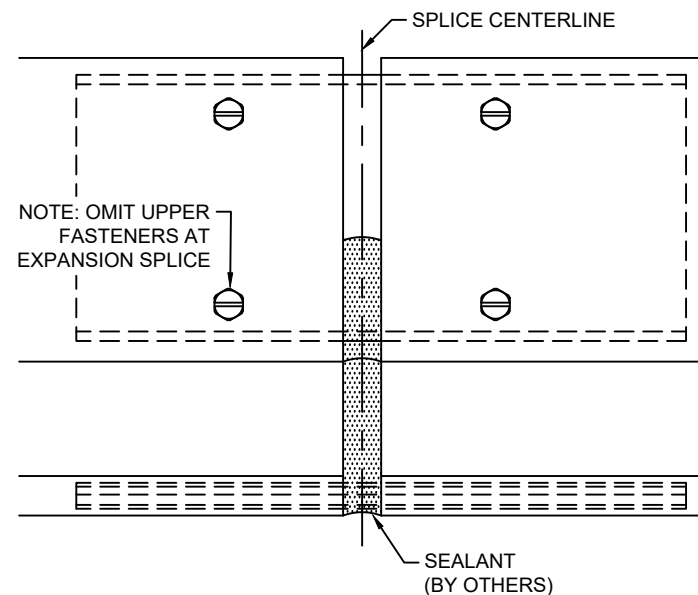
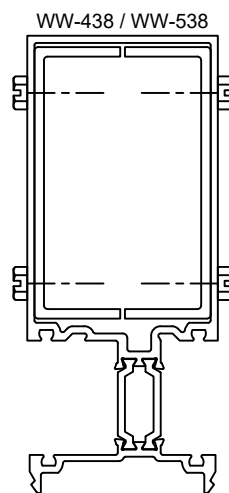
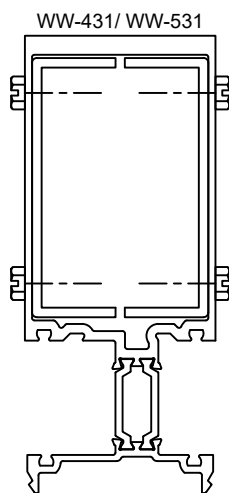
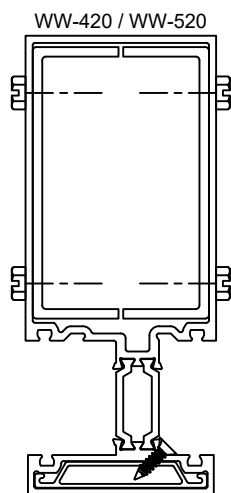
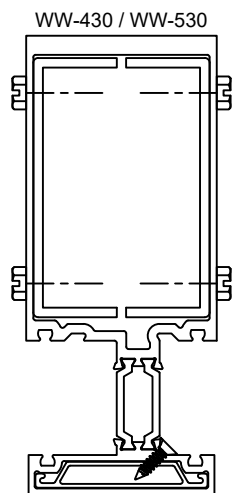
## "T" ANCHOR CHART

PART NO.	MULLION
WW-102-02	WW-504
WW-102-04	WW-404
WW-102-08	WW-520/WW-538
WW-102-09	WW-420/WW-438
WW-102-10	WW-530/WW-531/WW-566
WW-102-11	WW-430/WW-431/WW-466
WW-102-13	WW-234
WW-102-14	WW-233
WW-102-22	AW-270

### NOTE:

- ANCHOR BOLT SIZE AND LOCATION DETERMINED BY STRUCTURAL ENGINEER

## Reliance™-TC Type I "F" & "T" Anchors - H7425

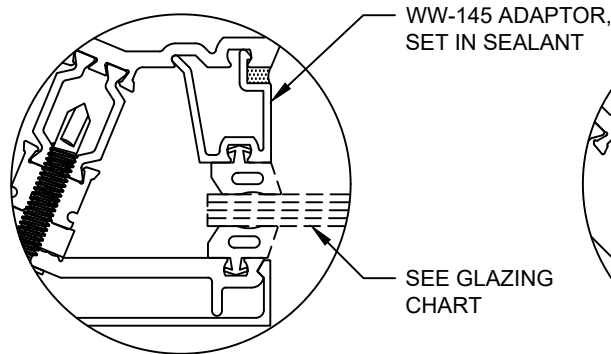
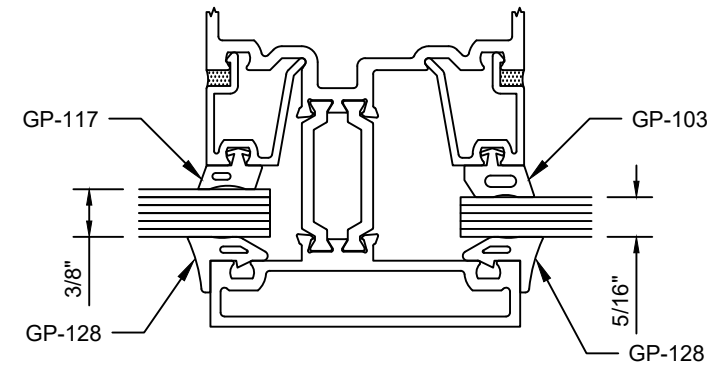
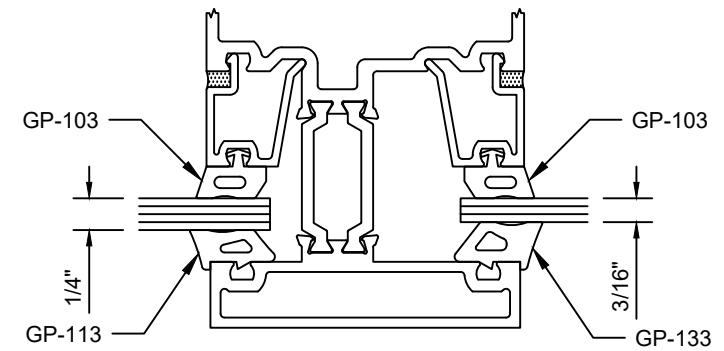
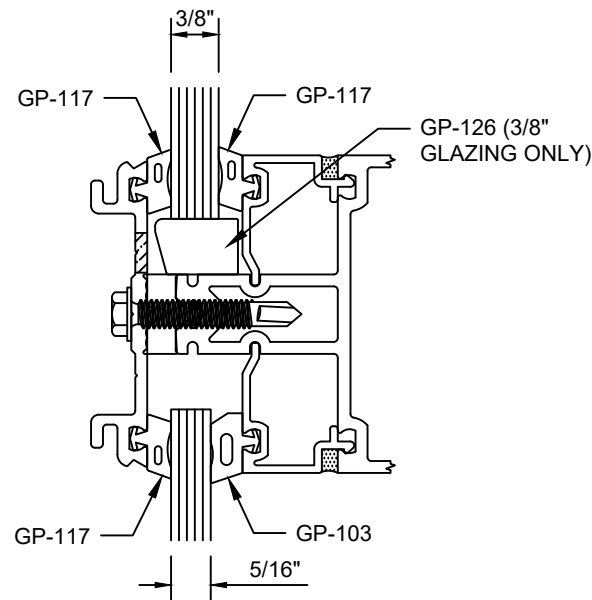
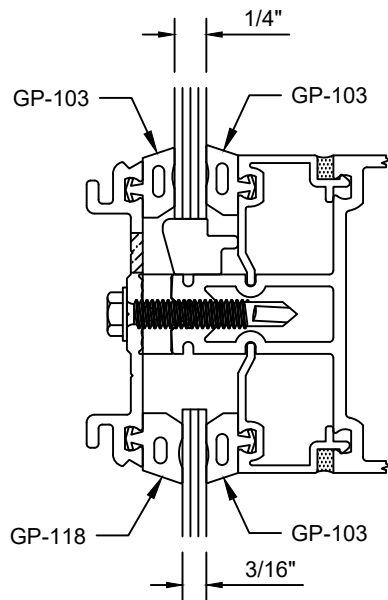


6" SYSTEM DEPTH		
MULLION	REAR SPLICE	FRONT SPLICE
WW-420	CW-90	WW-203-01
WW-430	CW-542	WW-203-01
WW-431	CW-542	
WW-438	CW-90	
WW-466	CW-542	
AW-270	AW-129-01	
WW-233	WW-213-01	

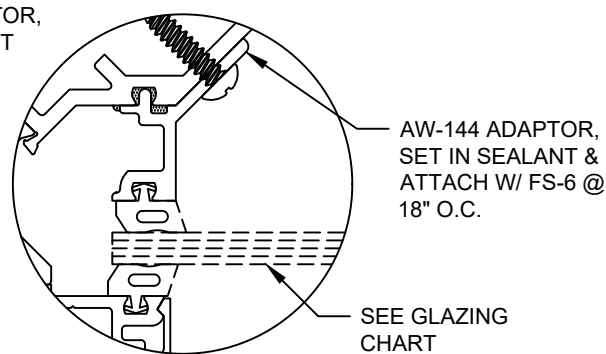
7-1/4" SYSTEM DEPTH		
MULLION	REAR SPLICE	FRONT SPLICE
WW-520	CW-66	WW-203-01
WW-530	CW-1496	WW-203-01
WW-531	CW-1496	
WW-538	CW-66	
WW-566	CW-1496	
AW-270	AW-129-01	
WW-234	WW-214-01	

REFERENCE INSTALLATION MANUAL FOR ADDITIONAL SPLICE INFO.

## Reliance™-TC Type I Mullion Splice - H7443



135° CORNER



90° CORNER

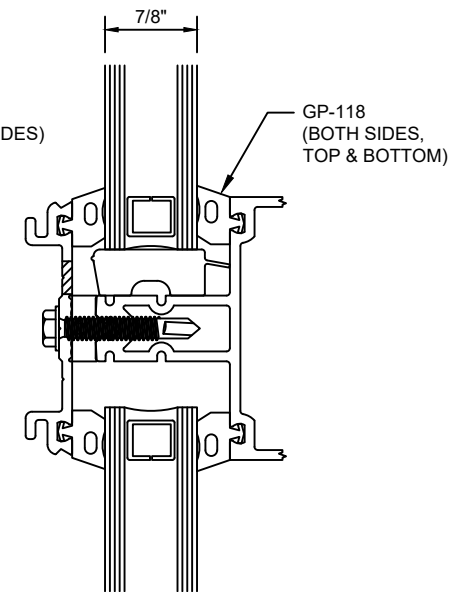
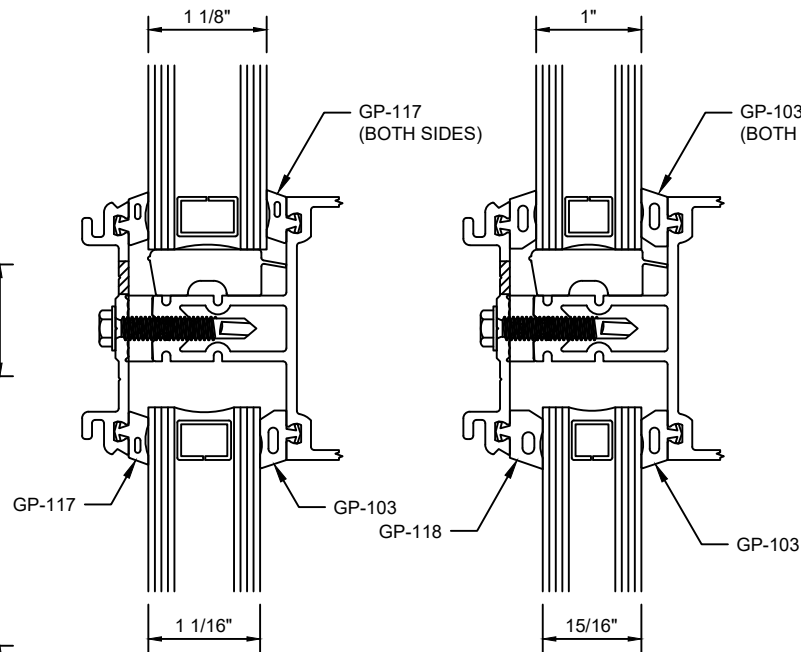
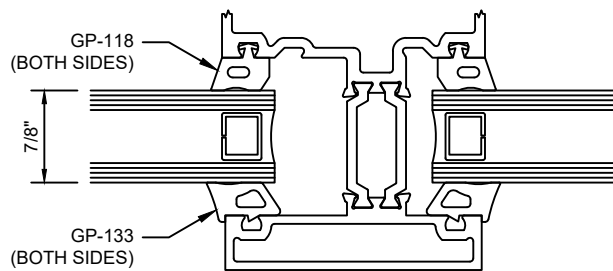
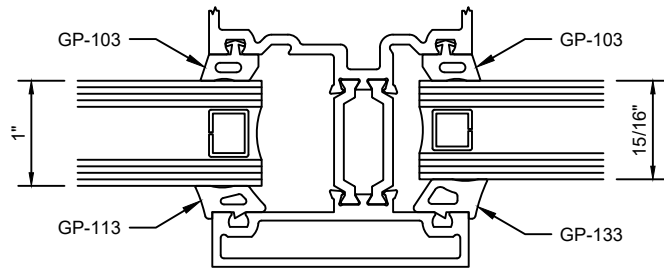
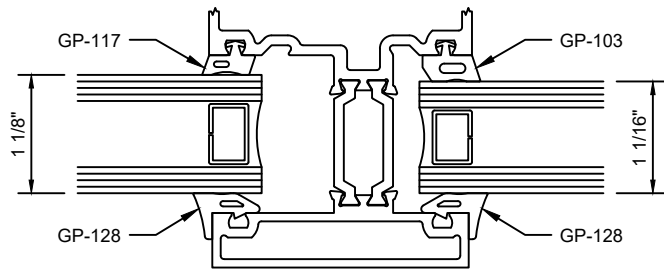
GLAZING CHART			
INFILL THICKNESS	INTERIOR GASKET	EXTERIOR GASKET (VERTICALS)	EXTERIOR GASKET (HORIZONTALS & CORNERS)
3/16"	GP-103	GP-133	GP-118
1/4"	GP-103	GP-113	GP-103
5/16"	GP-103	GP-128	GP-117
3/8"	GP-117	GP-128	GP-117

**NOTES:**

- GP-110 SETTING BLOCK IS TYPICAL @ SPANDREL GLAZING U.N.O.
- GLASS POCKET WIDTH WITH ADAPTOR = 3/4"

## Reliance™-TC Type I Spandrel Glazing Options - H7446

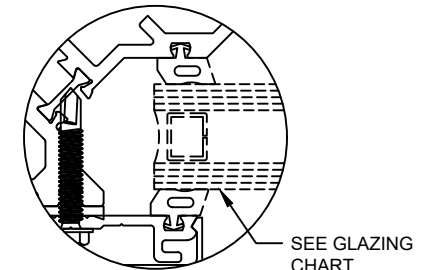




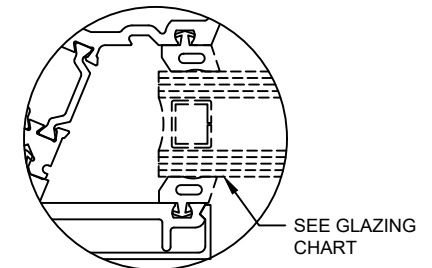
GLAZING CHART			
INFILL THICKNESS	INTERIOR GASKET	EXTERIOR GASKET (HORIZONTALS & CORNERS)	EXTERIOR GASKET (VERTICALS)
7/8" (0.875)	GP-118	GP-118	GP-133
15/16" (0.9375)	GP-118	GP-103	GP-113
1"	GP-103	GP-103	GP-113
1-1/16" (1.0625)	GP-117	GP-103	GP-128
1-1/8" (1.125)	GP-117	GP-117	GP-128

NOTES:

1. GLASS POCKET WIDTH = 1-1/2" TYP.
2. SETTING BLOCK = GP-109 TYP.



90° OUTSIDE CORNER



135° OUTSIDE CORNER

## Reliance™-TC Type I

### Vision Glazing Options - H7448