

# Oldcastle BuildingEnvelope®

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

## RELIANCE™-TC TYPE I (STD. HORIZONTALS & TC VERTICALS) 2-1/2" X 7-1/4" W/ 1" TYPICAL INFILL

*(Drawing numbers---i.e., H3401---used as CAD detail reference only)*

### Elevation

#### **Horizontal Details**

H3401	Head
H3404	Sill
H3405	Intermediate Horizontal
H3408	Roll-Over Horizontal
H3409	Roll-Under Horizontal
H3418	Horizontal at Operable Window (Pocket Frame)
H3419	Horizontal at Operable Window (Flat Frame)

#### **Vertical Details**

V7401	Jamb
V7402	Typical Vertical
V7405	Heavy Vertical
V7409	Vertical at Operable Window'
V7452	SSG Vertical

#### **Corner Details**

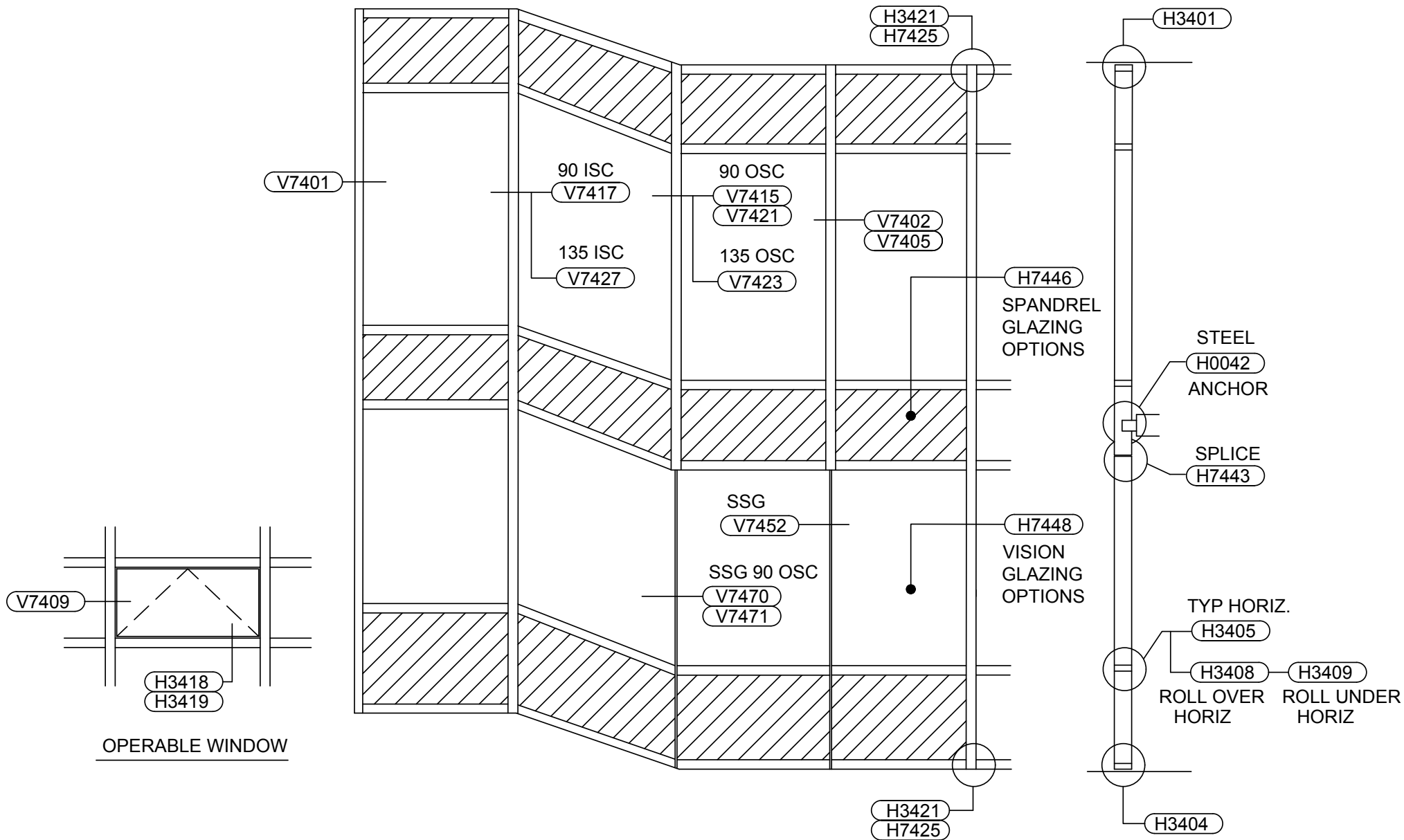
V7415	90° Outside Corner - 2 Mullion
V7417	90° Inside Corner - 2 Mullion
V7421	90° Outside Corner
V7423	135° Outside Corner
V7427	135° Inside Corner - 2 Mullion
V7470	SSG 90° Outside Corner - Option 1
V7471	SSG 90° Outside Corner - Option 2

#### **Misc. Details**

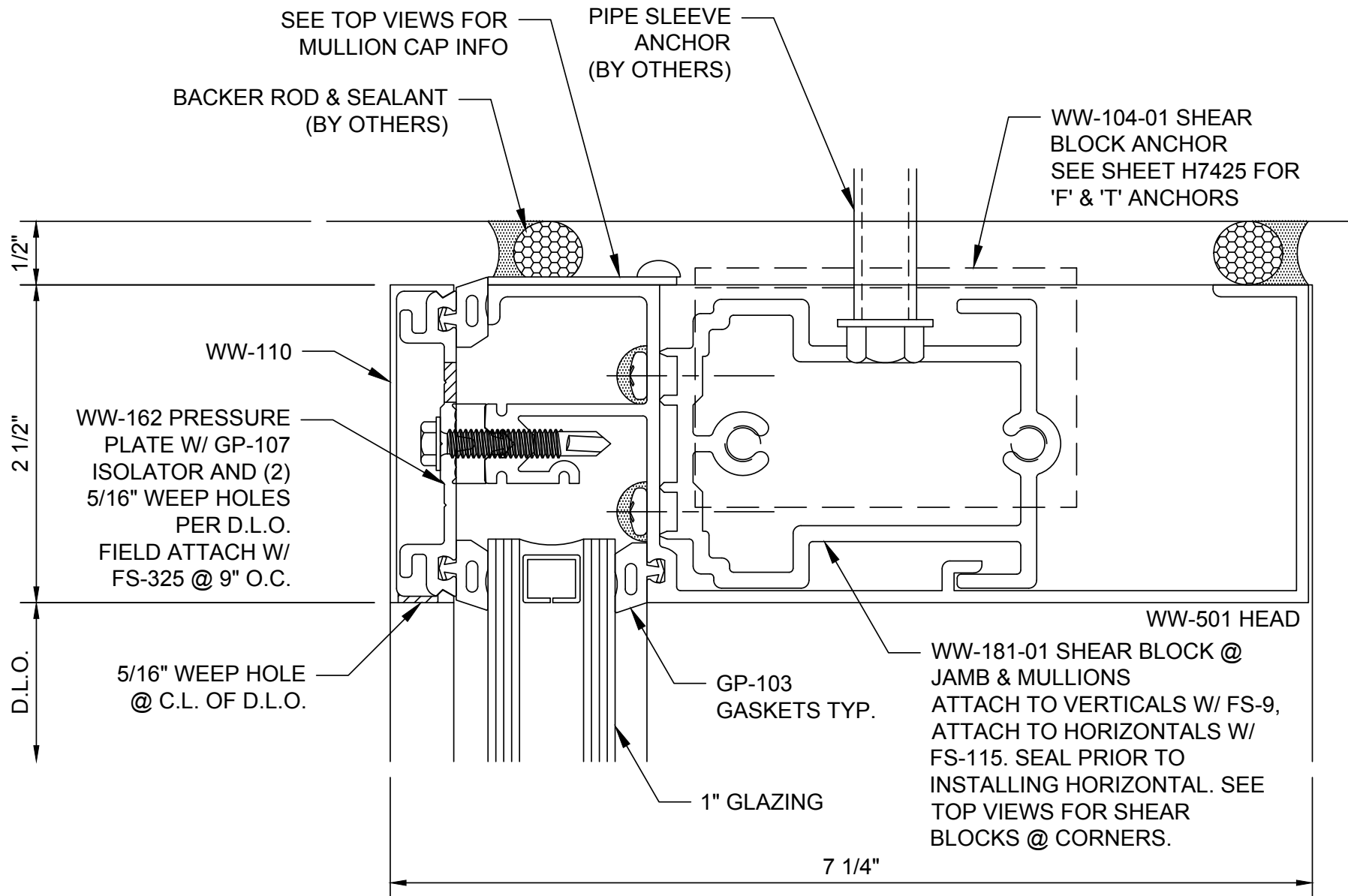
H0042	Steel Anchoring
H3421	Shear Block Anchoring
H7425	'F' & 'T' Anchoring
H7443	Mullion Splicing
H7446	Spandrel Glazing Option
H7448	Vision Glazing Options

Note: Type II horizontals may be used in lieu of standard Reliance horizontals for improved thermal performance.

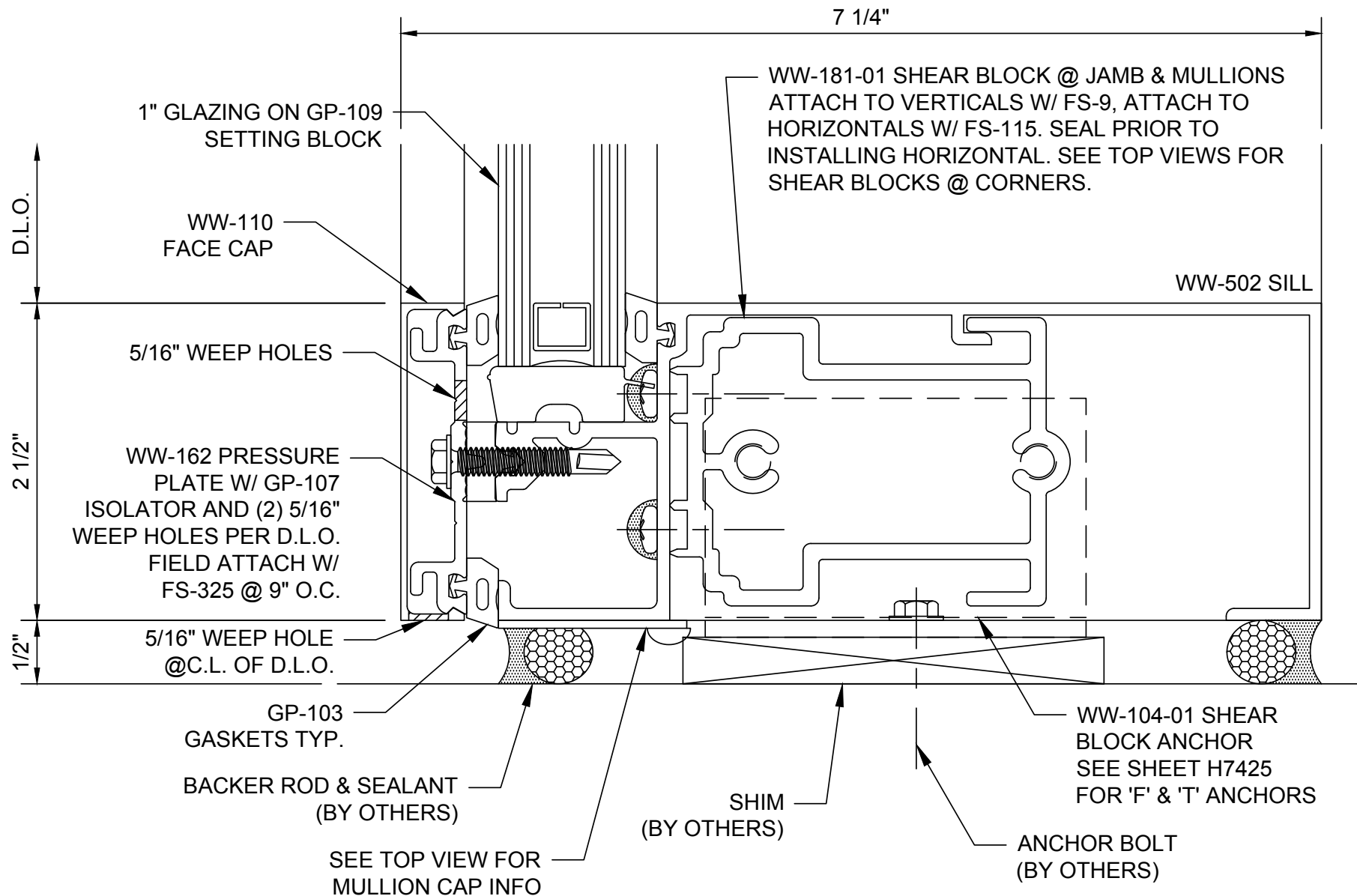
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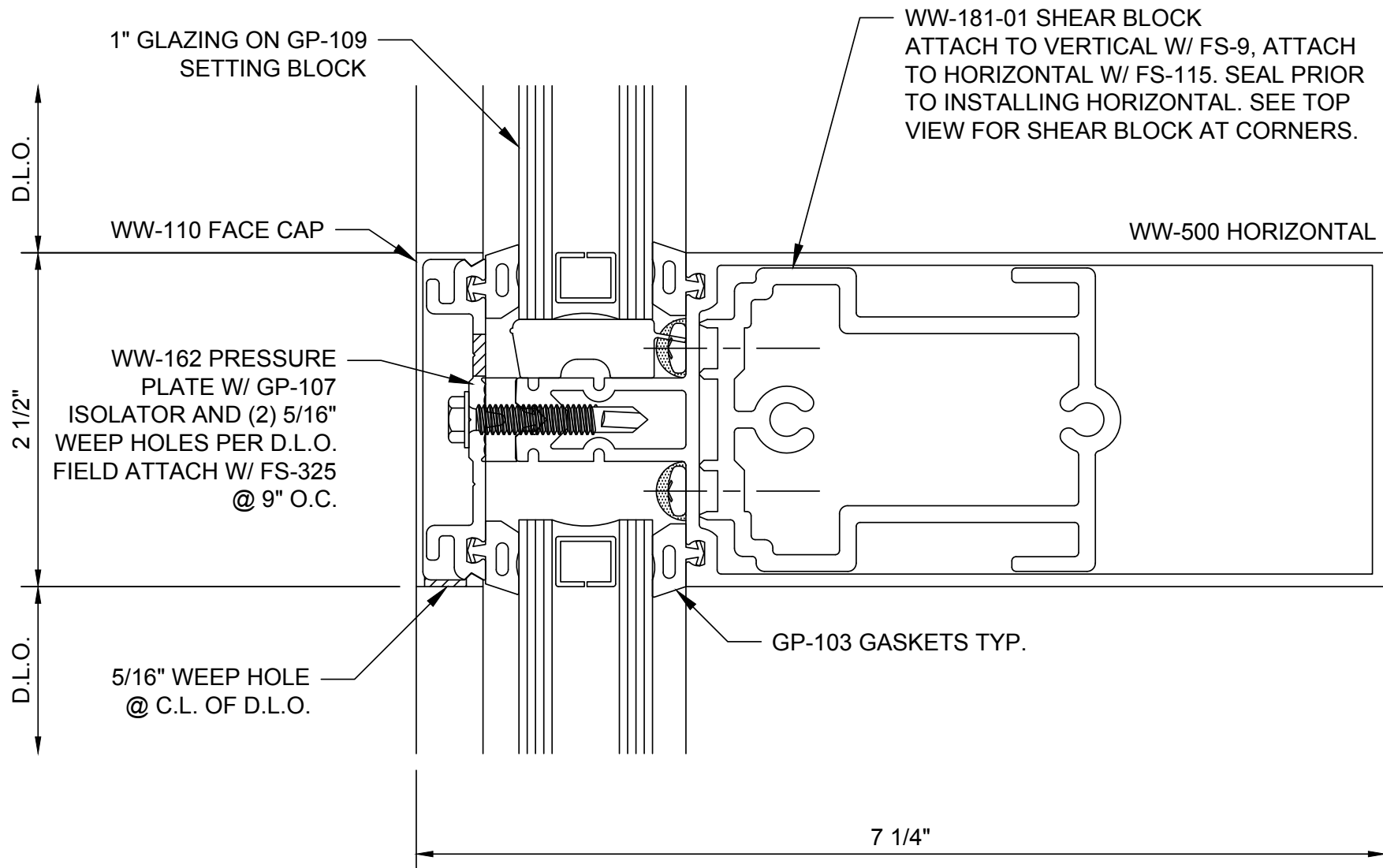
**Reliance™-TC Type I - Standard Horizontals and TC Verticals**  
**2-1/2" x 7-1/4" w/ 1" Glazing - Elevation**



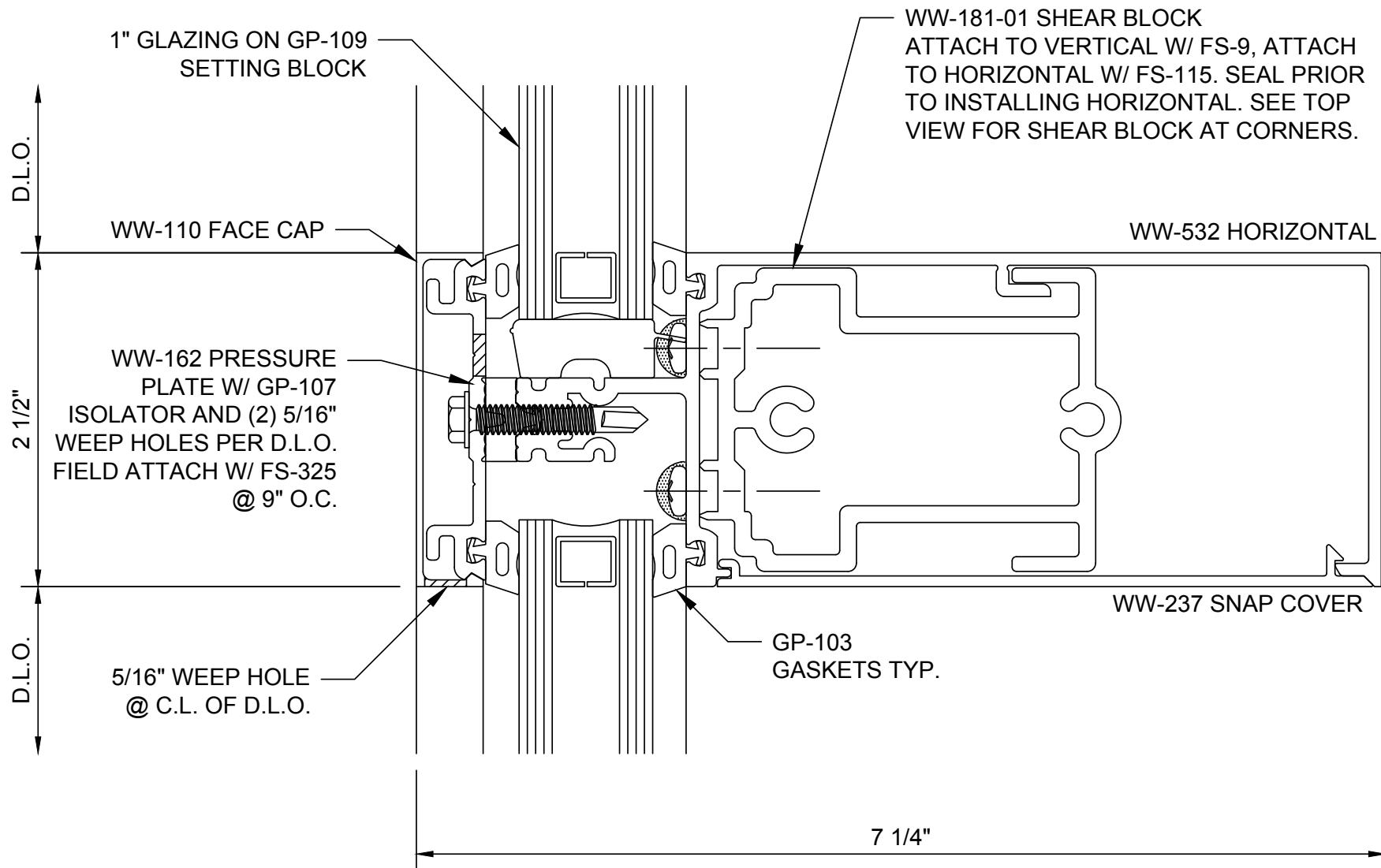
## Reliance™ Curtain Wall Head at Vision - H3401



## Reliance™ Curtain Wall Sill at Vision - H3404

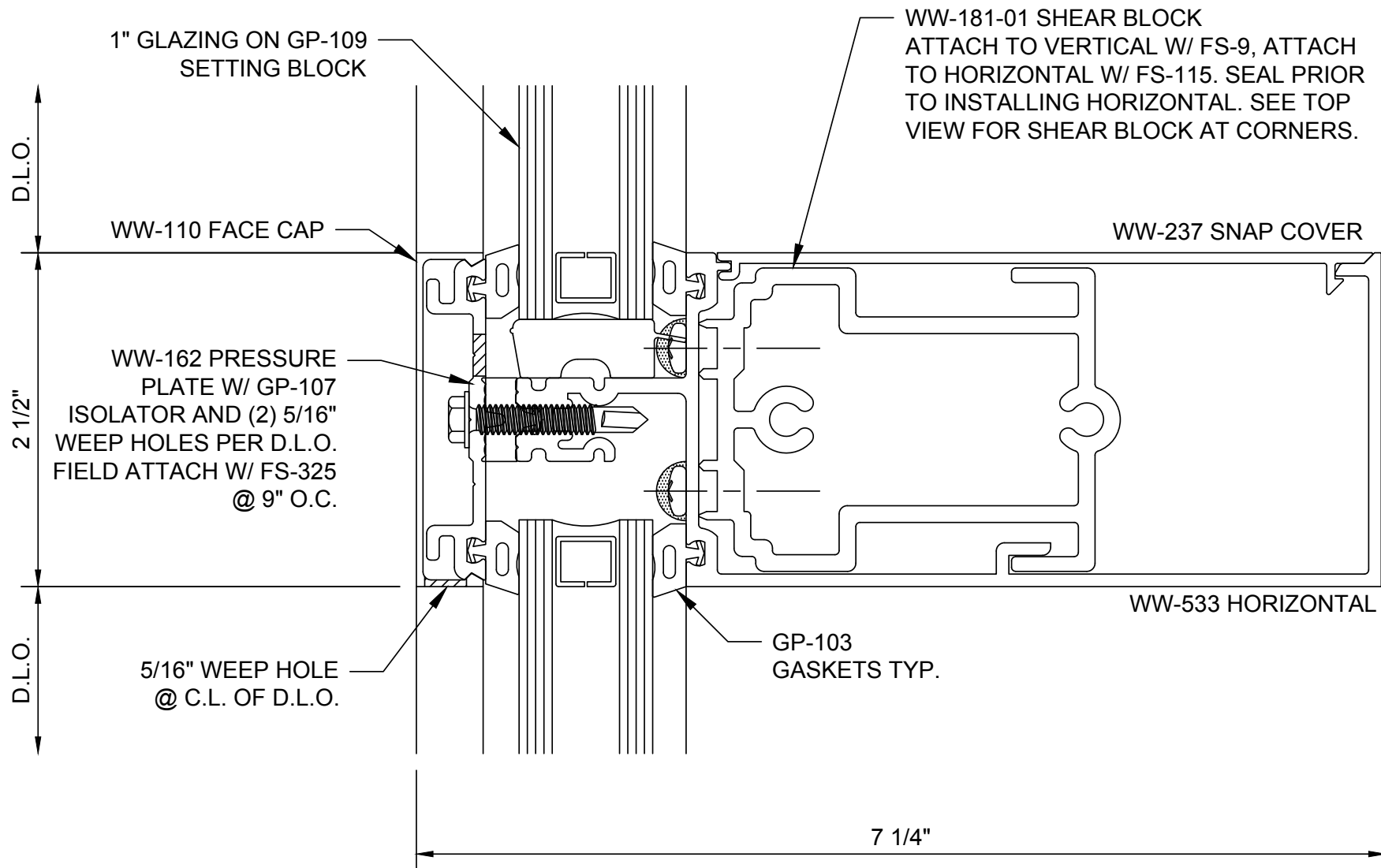


**Reliance™ Curtain Wall**  
**Intermediate Horizontal at Vision - H3405**



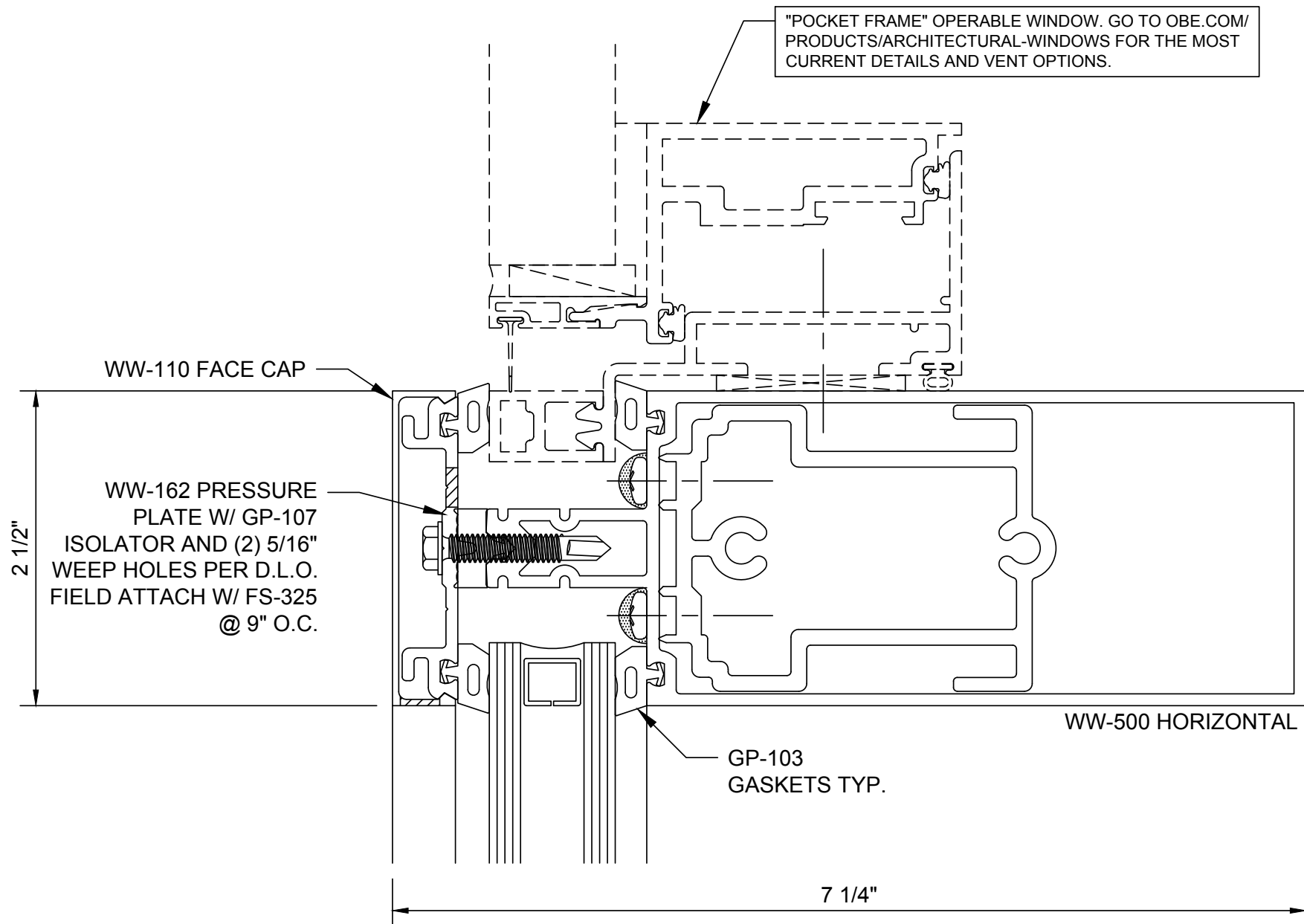
## Reliance™ Curtain Wall

### Roll-over Horizontal at Vision - H3408



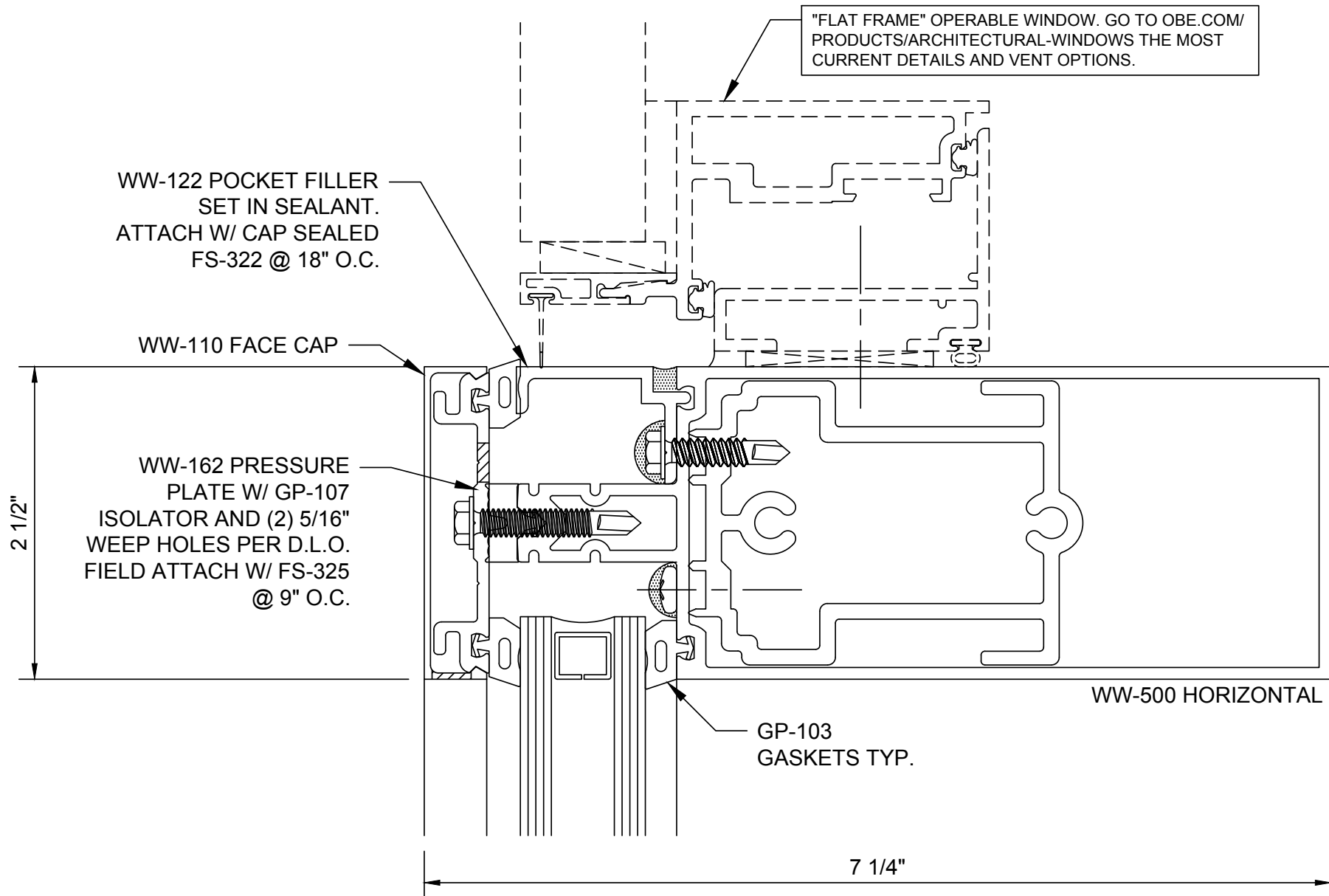
## Reliance™ Curtain Wall

### Roll-under Horizontal at Vision - H3509

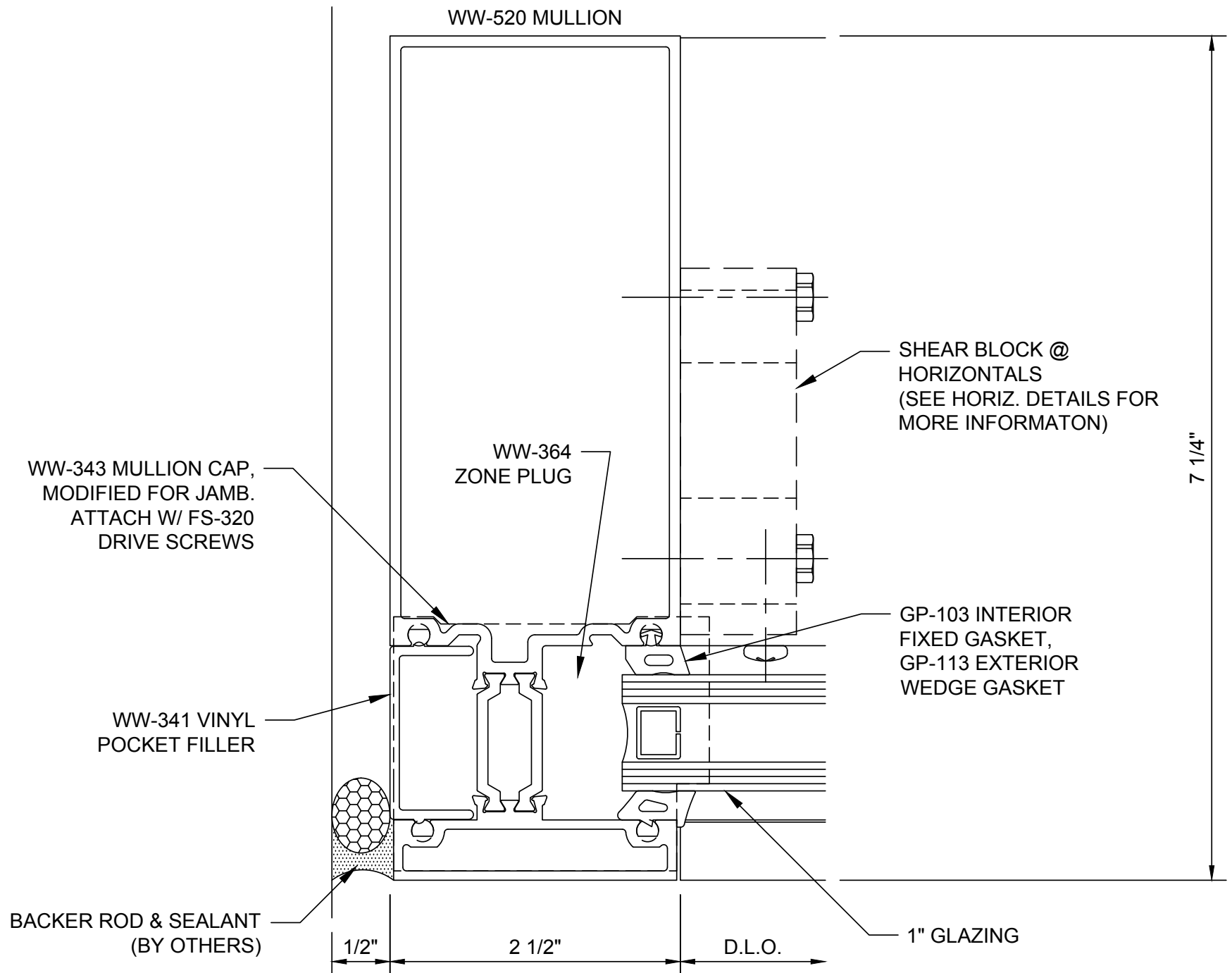


## Reliance™ Curtain Wall Horizontal at Operable Window - H3418

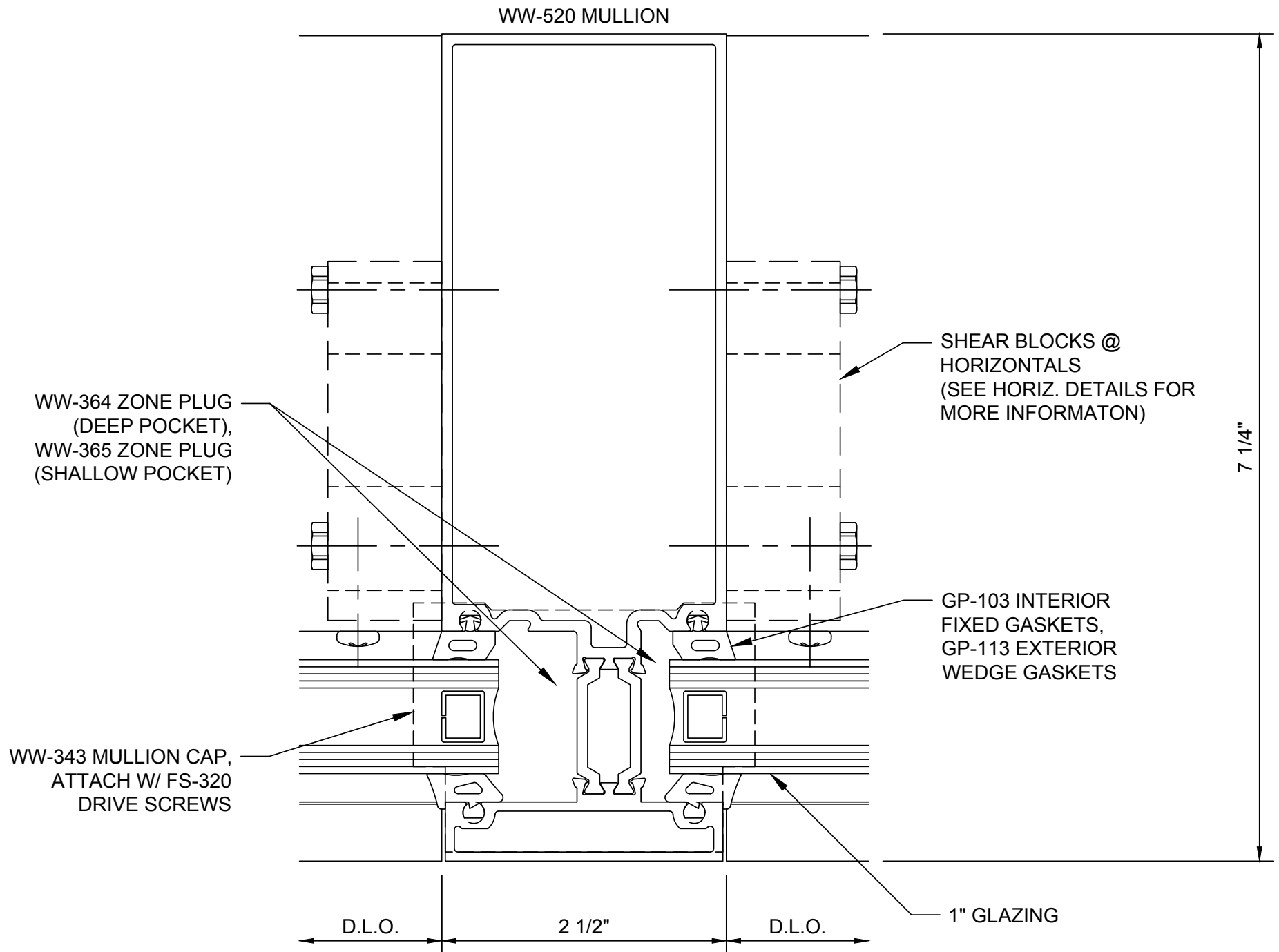




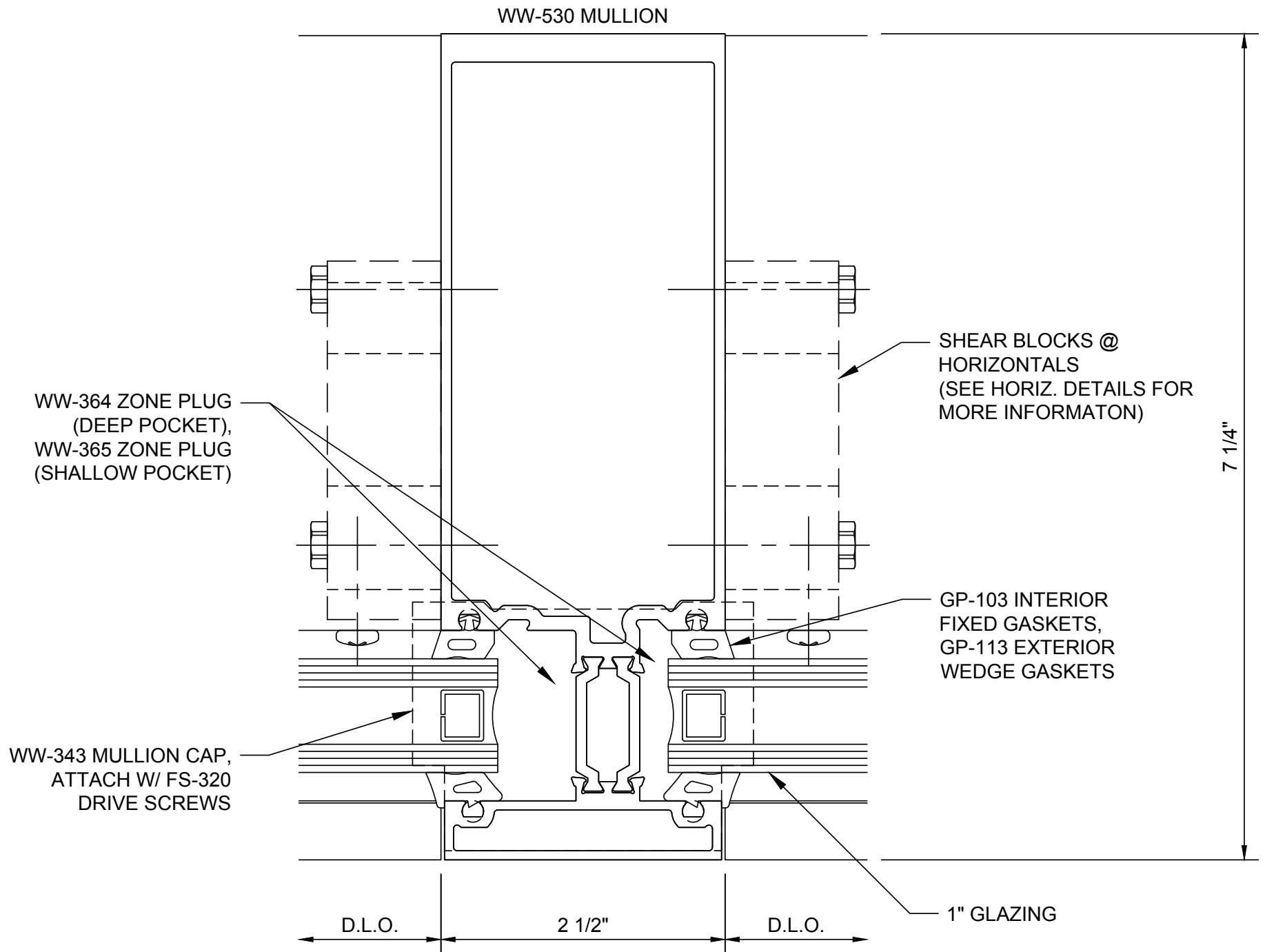
## Reliance™ Curtain Wall Horizontal at Operable Window - H3419



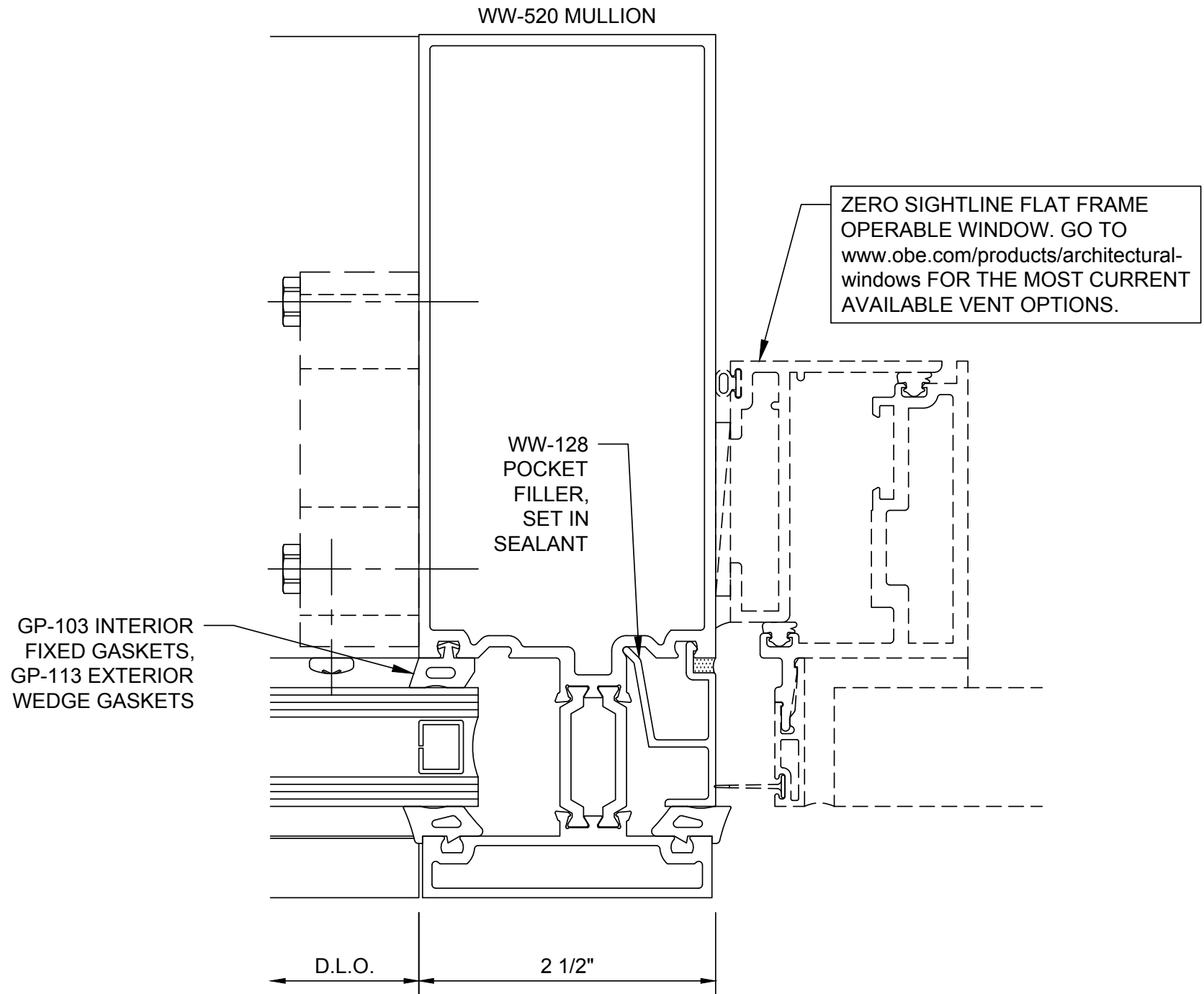
**Reliance™-TC Type I**  
**Jamb - V7401**



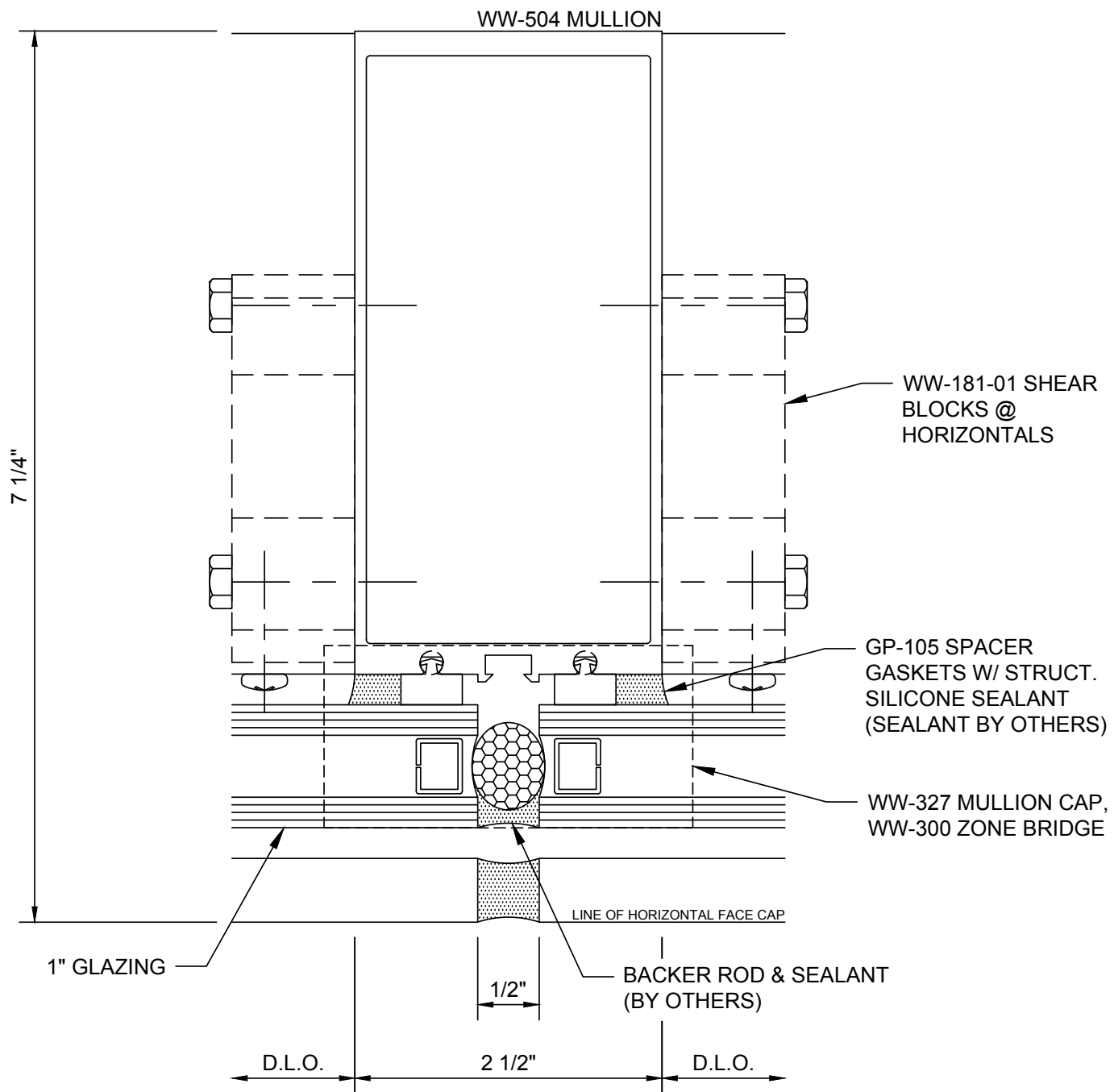
**Reliance™-TC Type I**  
**Intermediate Vertical - V7402**



**Reliance™-TC Type I**  
**Intermediate Vertical - Heavy - V7405**

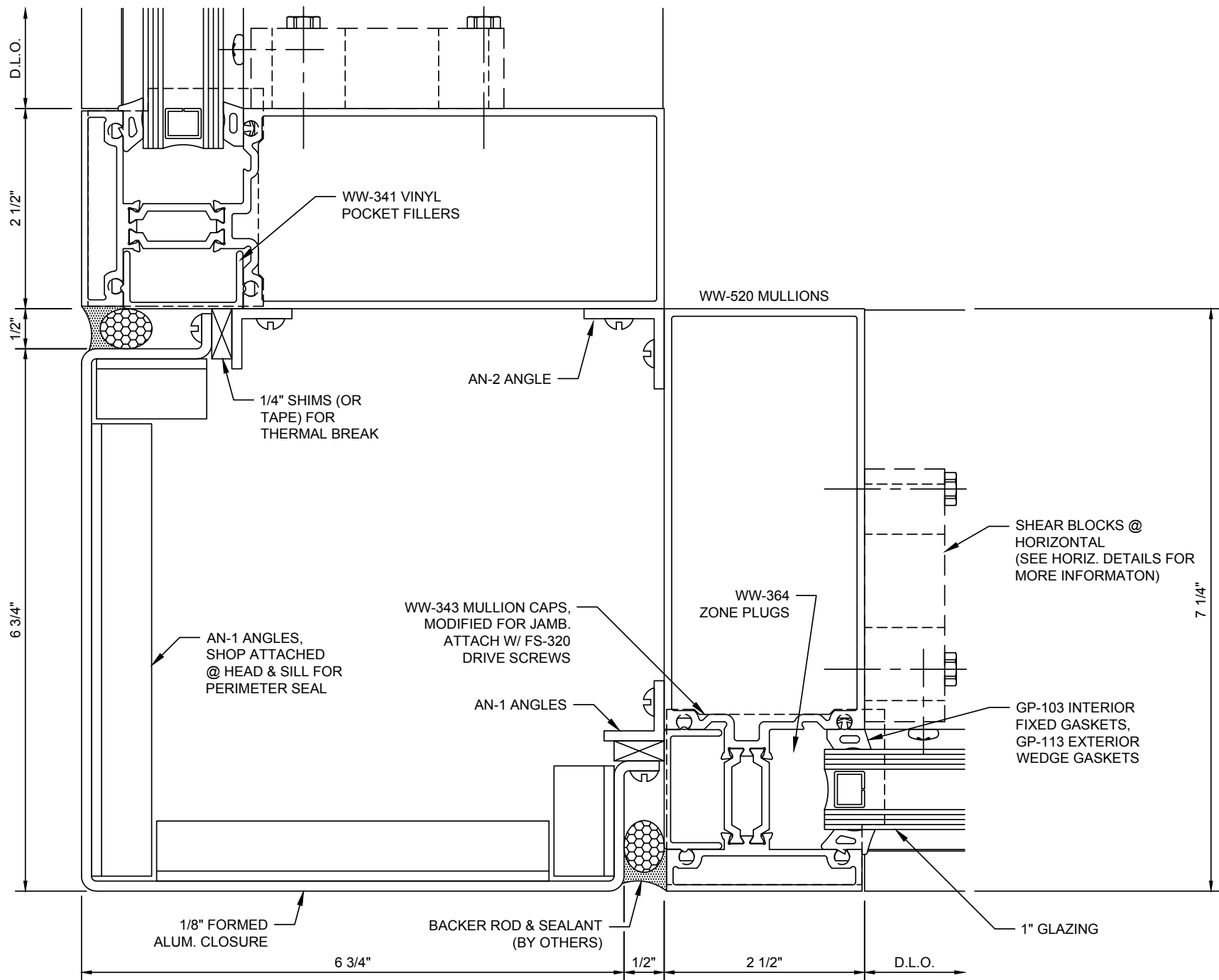


**Reliance™-TC Type I**  
**Vertical at Operable Window - V7409**

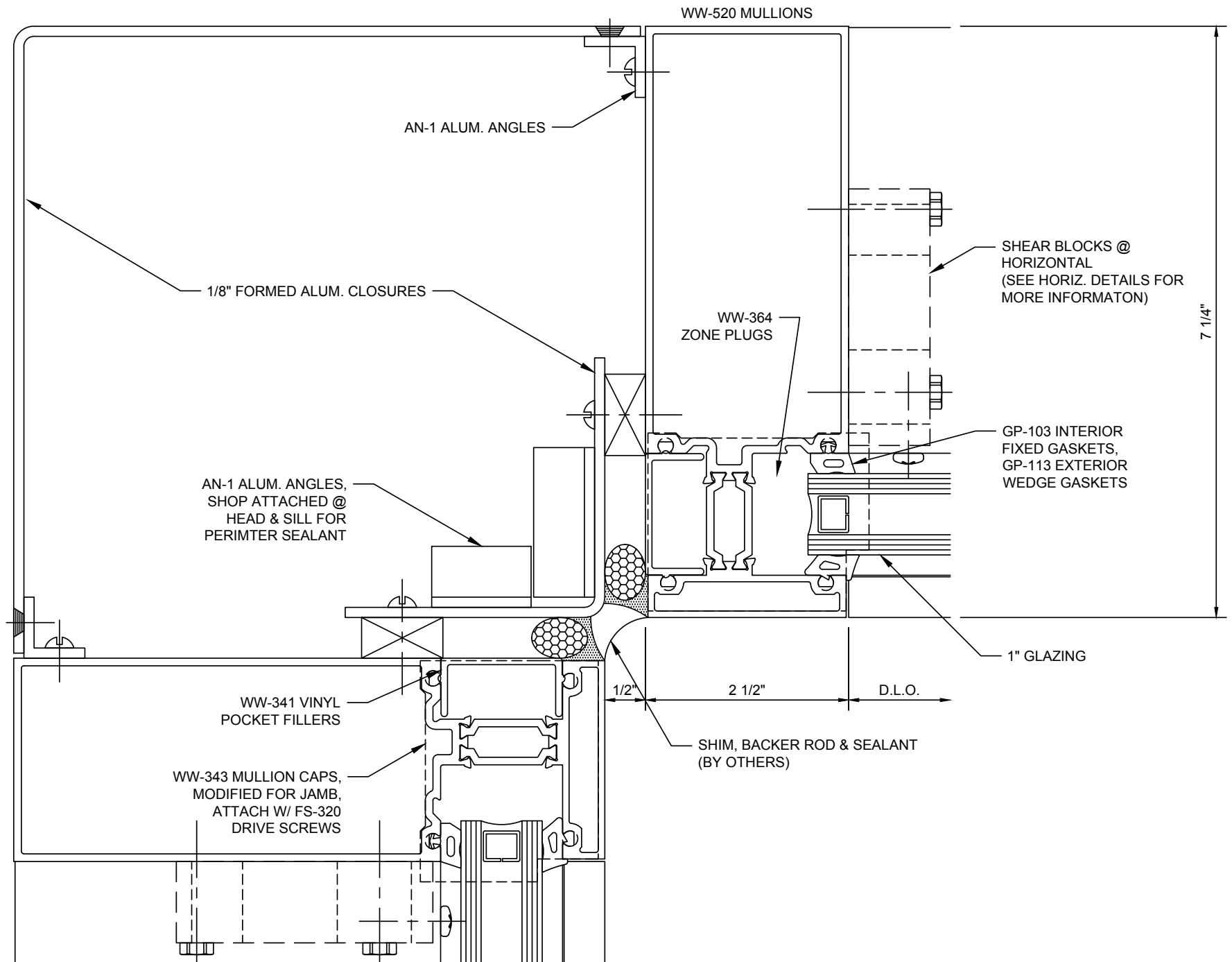


## Reliance™-TC Type I

### SSG Vertical - V7452

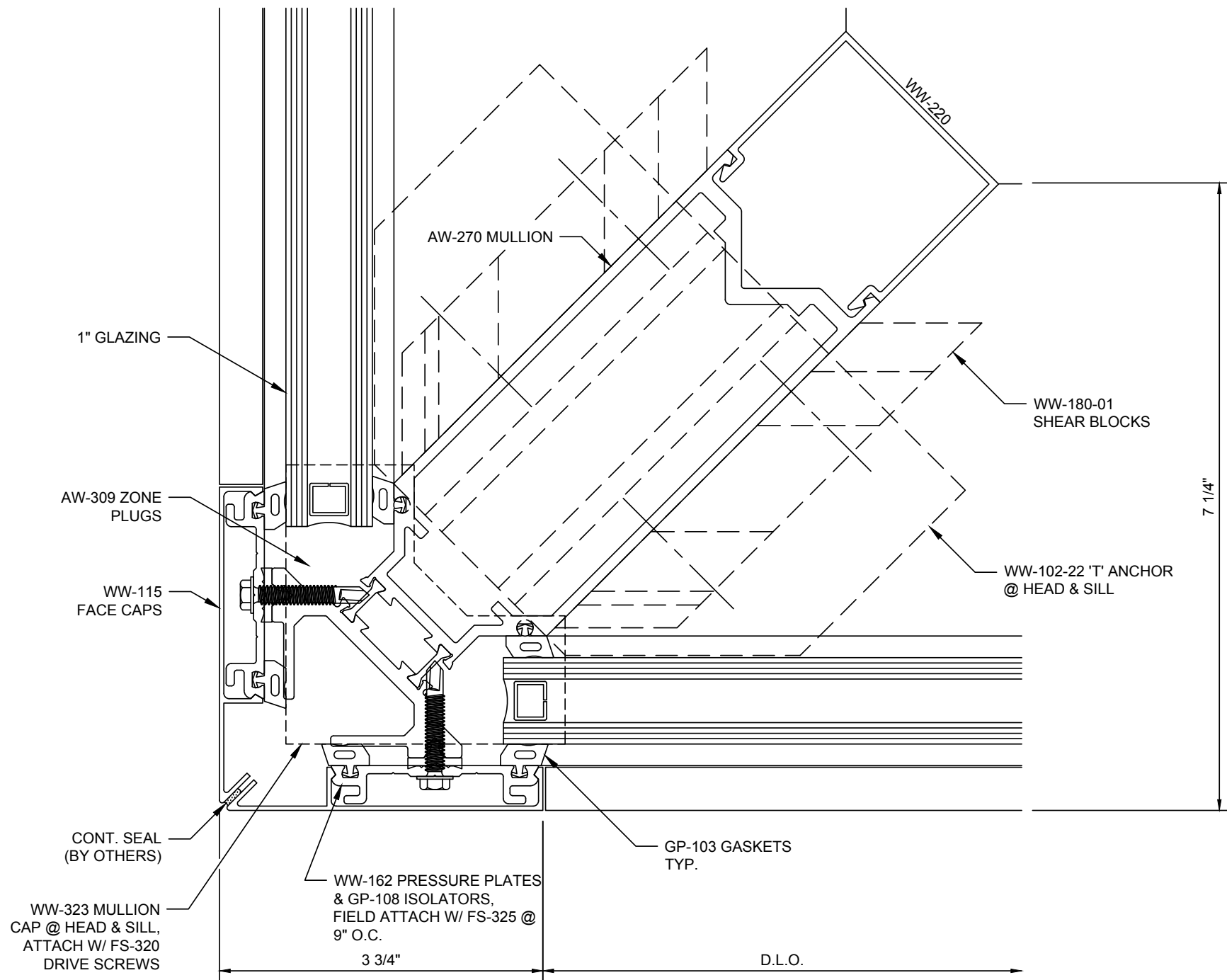


## Reliance™-TC Type I 90° Outside Corner - V7415

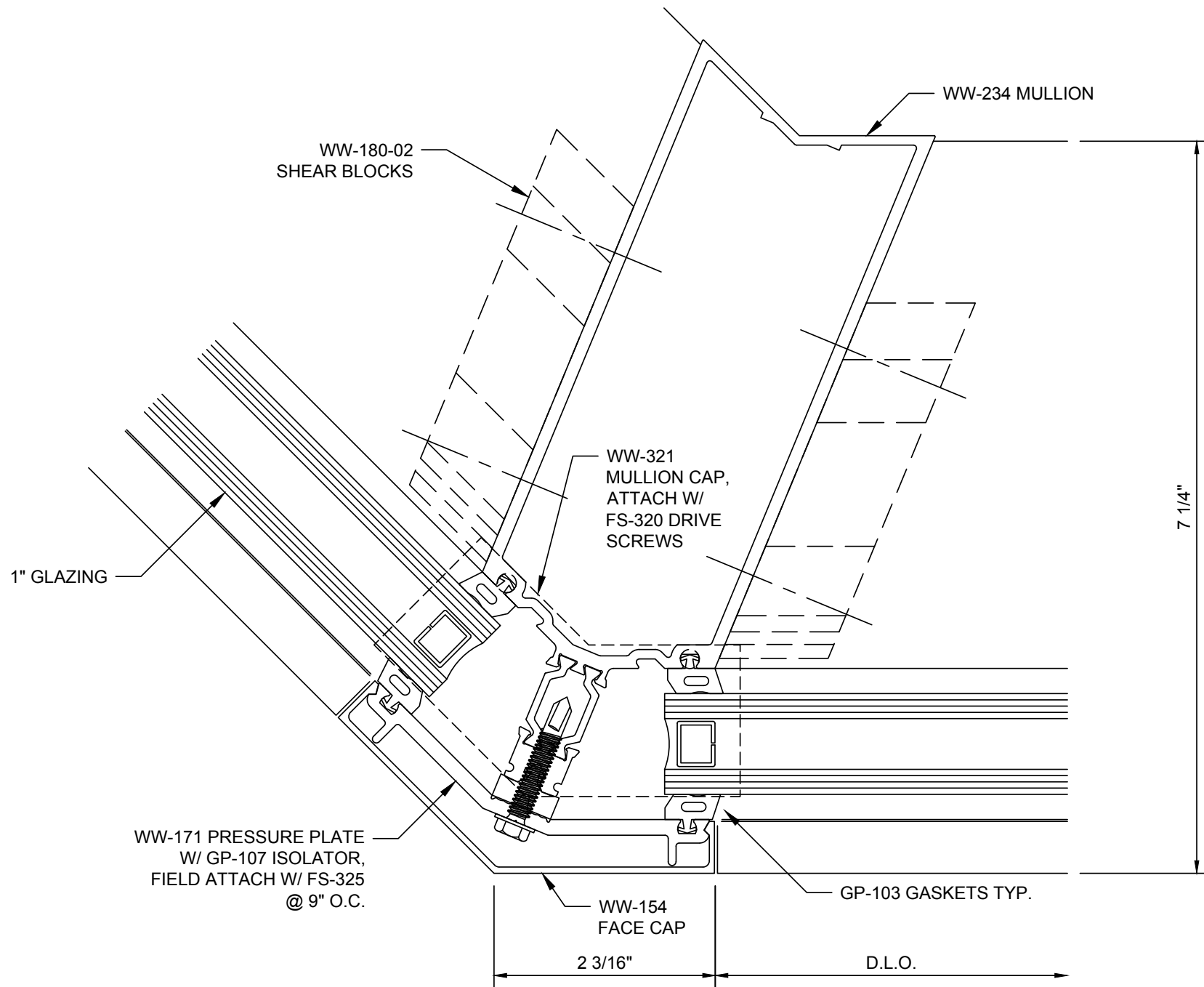


## Reliance™-TC Type I 90° Inside Corner - V7417

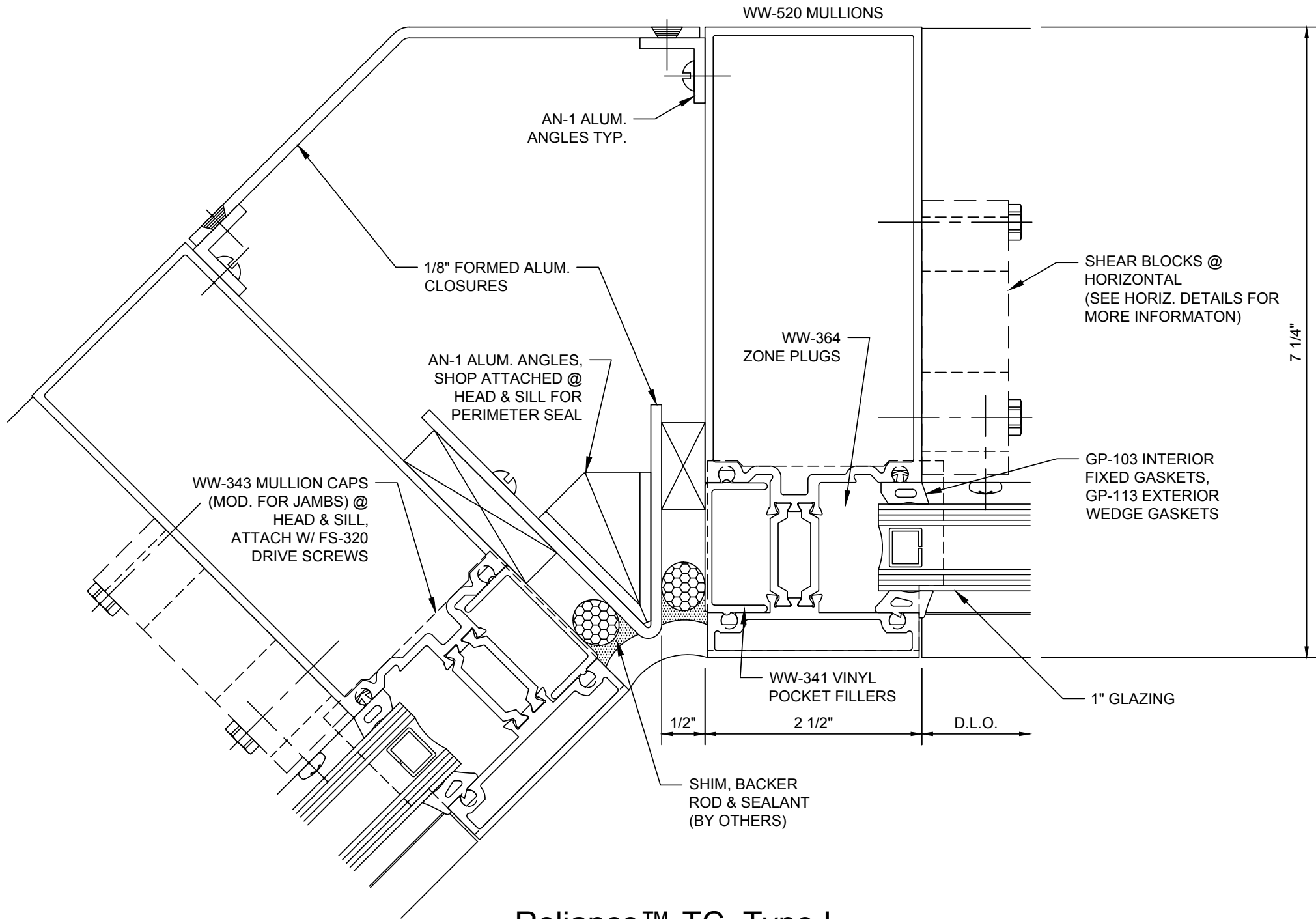




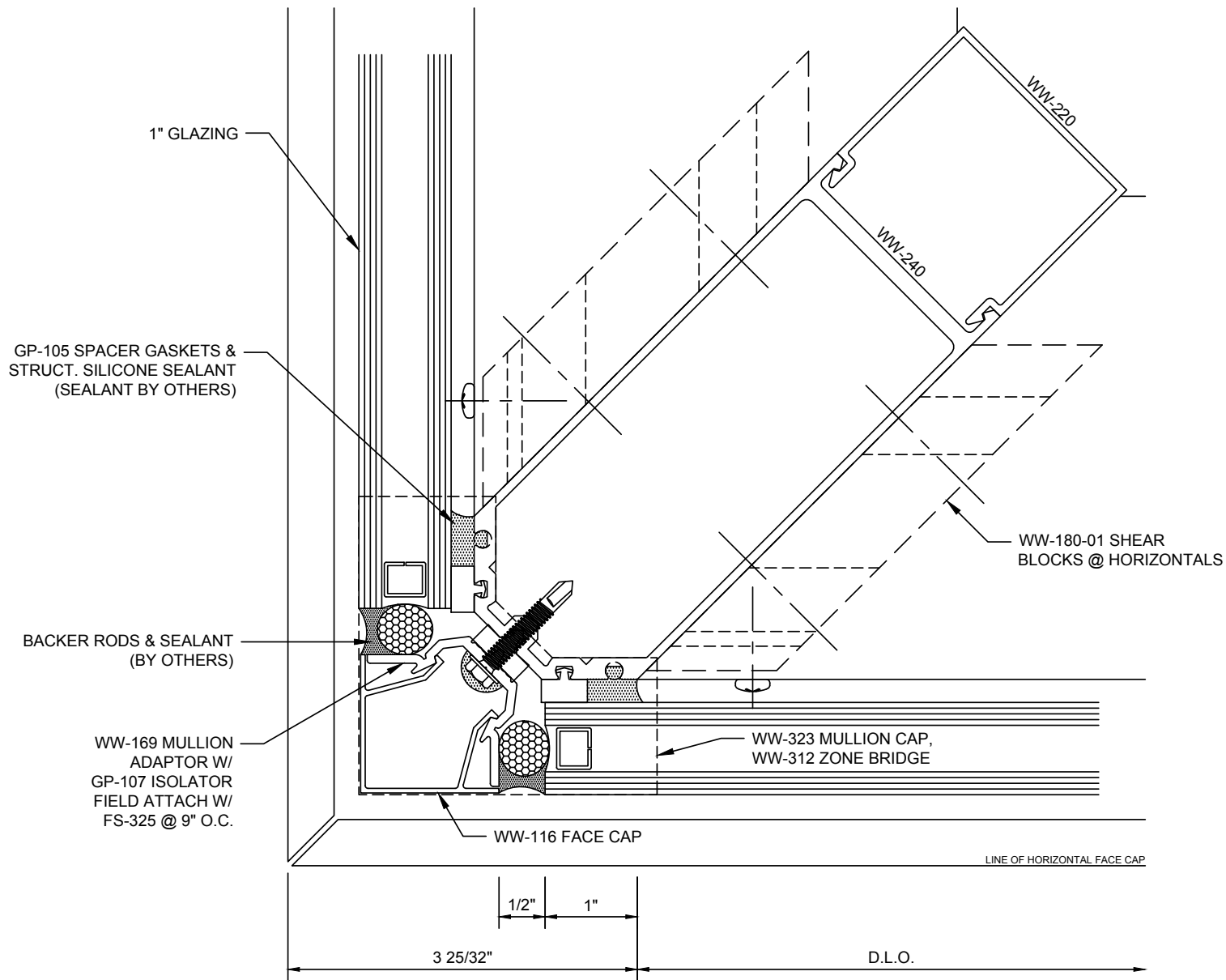
**Reliance™-TC Type I**  
**90° Outside Corner - V7421**



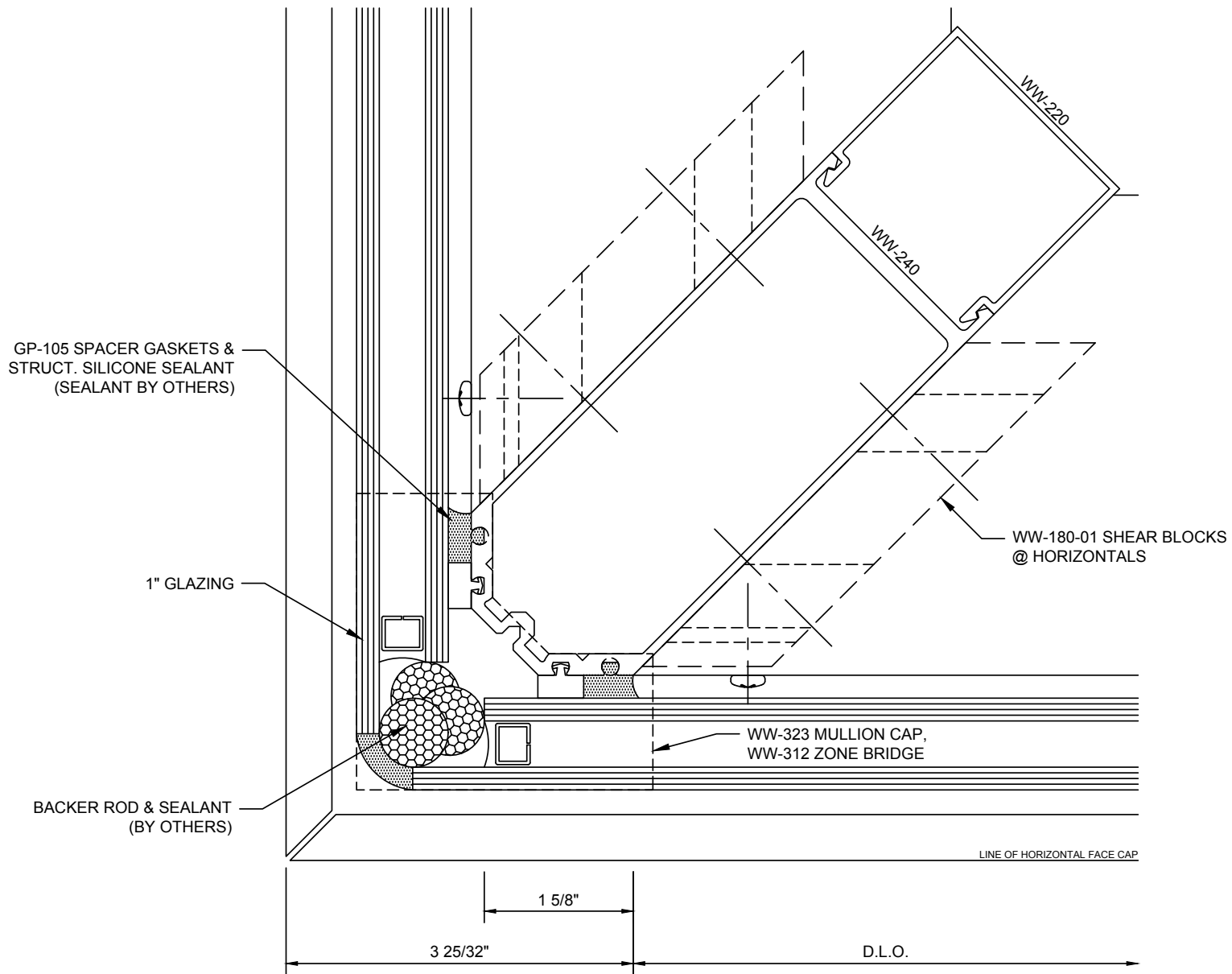
**Reliance™-TC Type I**  
**135° Outside Corner - V7423**



**Reliance™-TC Type I**  
**135° Inside Corner - V7427**



**Reliance™-TC Type I**  
**SSG 90° Outside Corner w/ Cap - V7470**

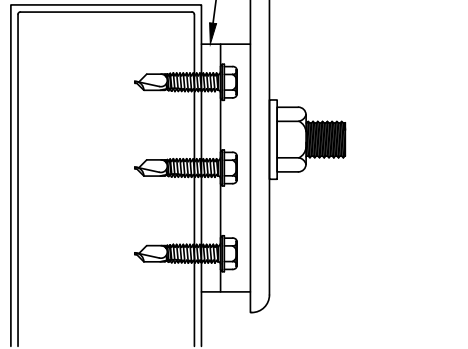


**Reliance™-TC Type I**  
**SSG 90° Outside Corner - V7471**

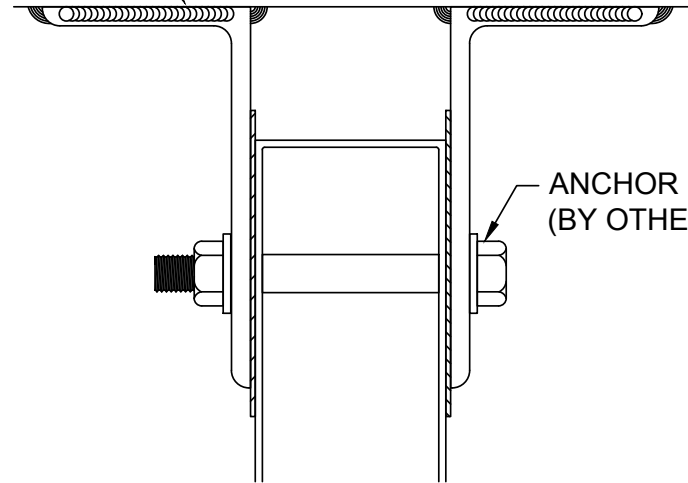
WELD AS REQUIRED BY INSTALLER

FLOOR SLAB OR BEAM

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



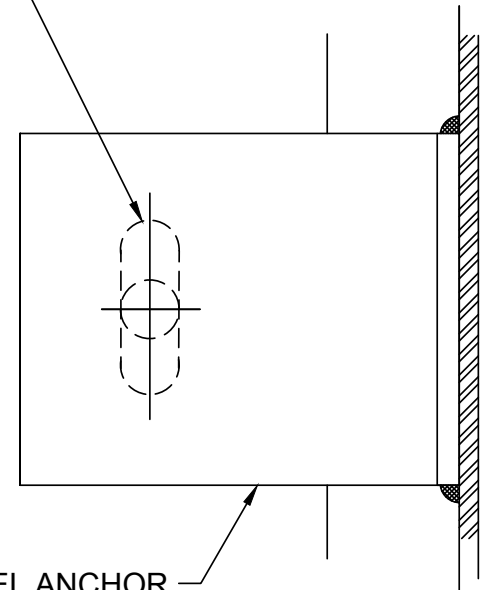
Plan View  
Jamb Option



Plan View  
Intermediate Mullion

ANCHOR BOLT  
(BY OTHERS)

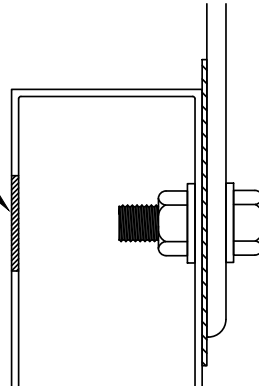
HOLE IN ANCHOR @ DEAD LOAD  
SLOT IN ANCHOR @ WIND LOAD



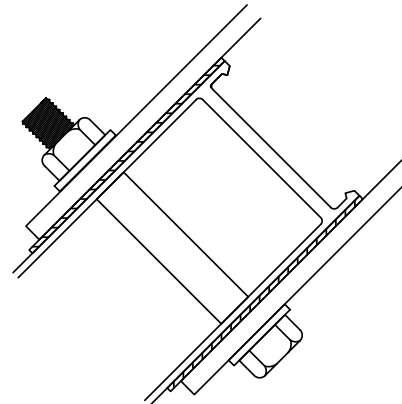
Side View

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

ACCESS HOLE

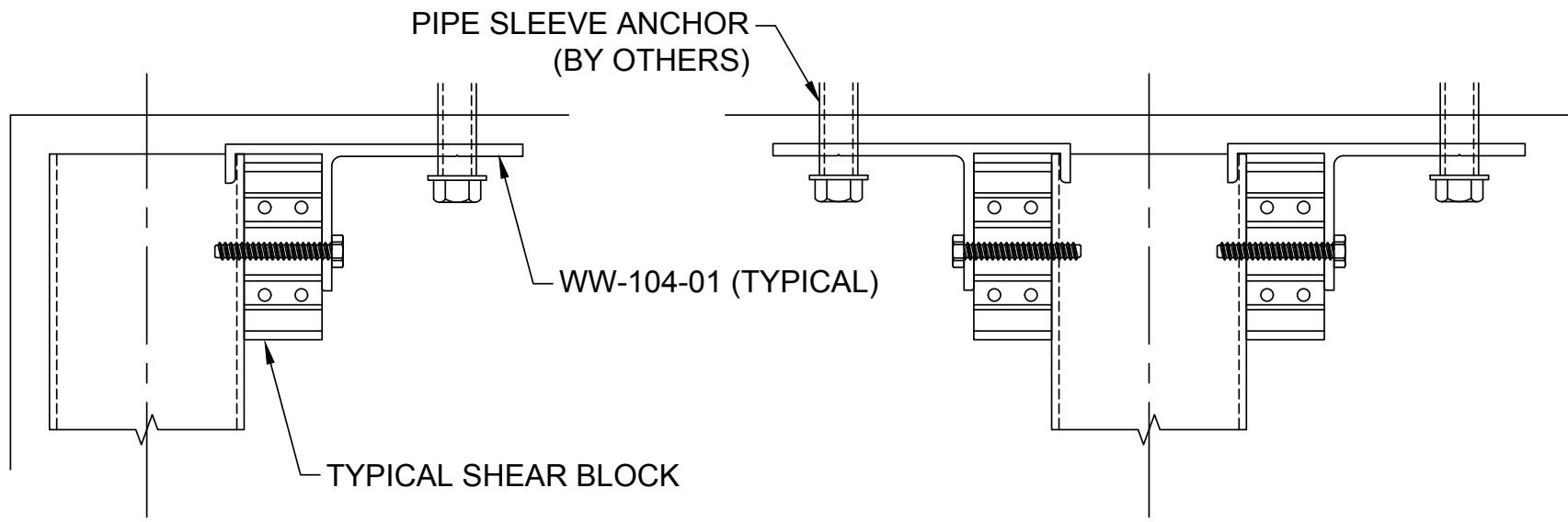


Plan View  
Jamb Option



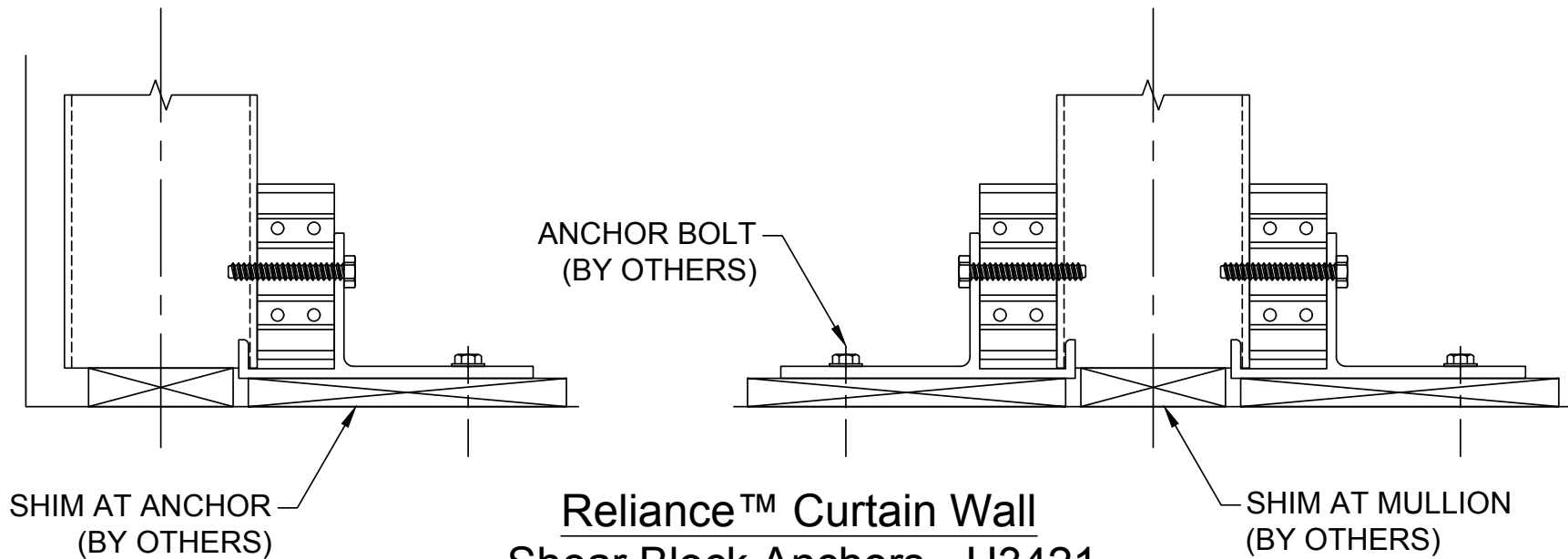
Plan View  
Single Mull Corners

## Standard Curtain Wall Steel Anchor - H0042

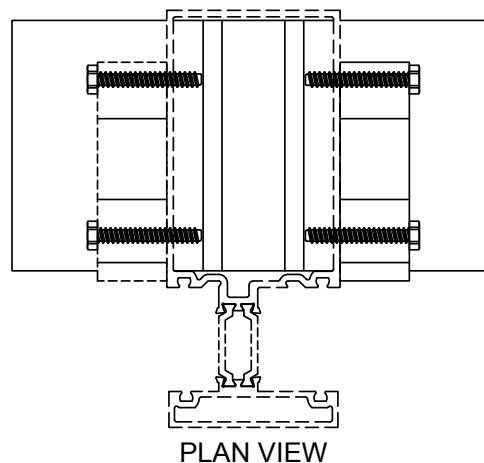
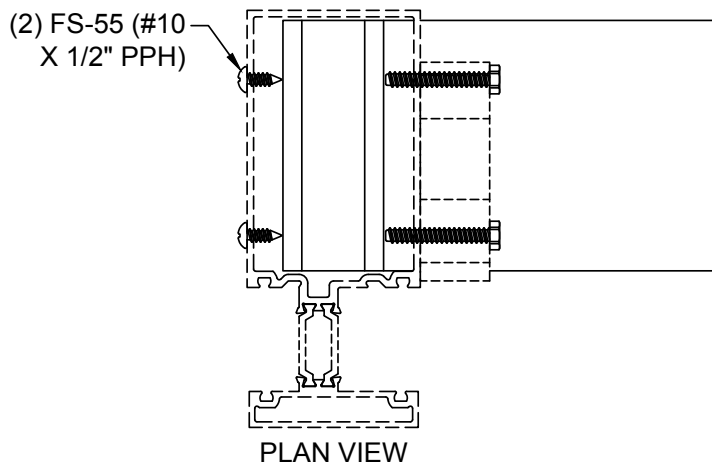
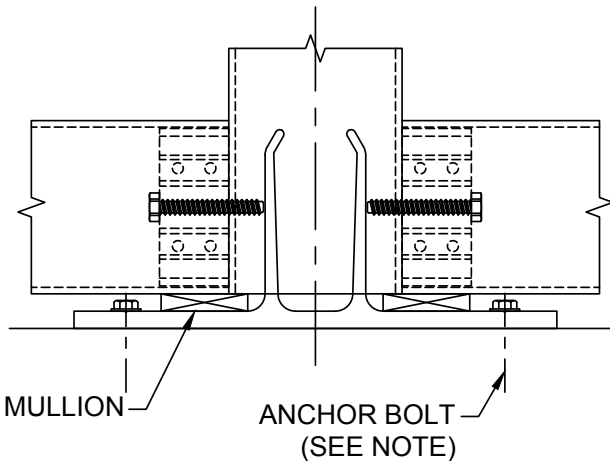
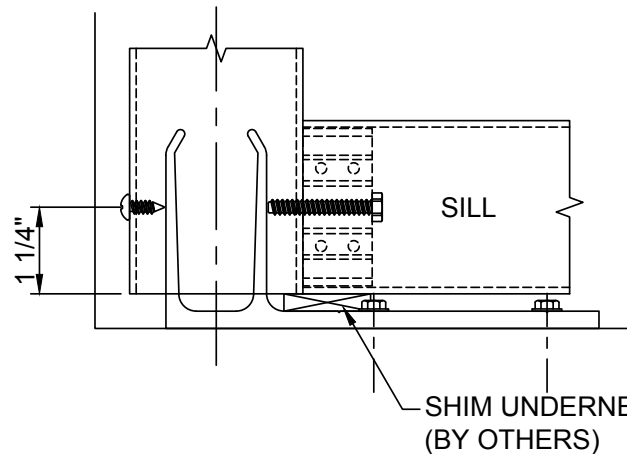
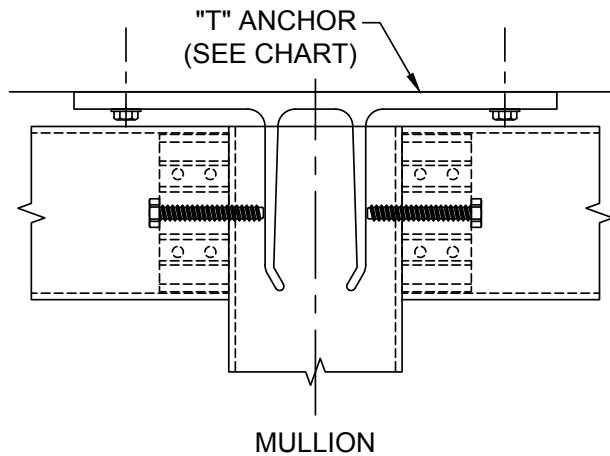
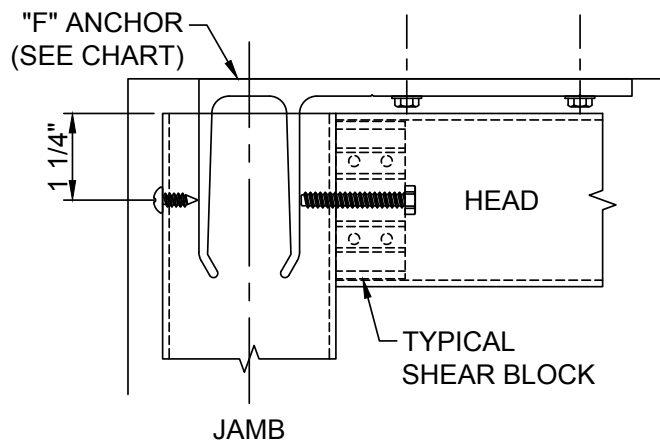


**NOTE:**

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-103-08	WW-430/WW-431

## "T" ANCHOR CHART

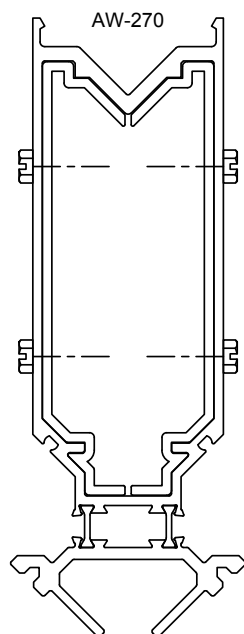
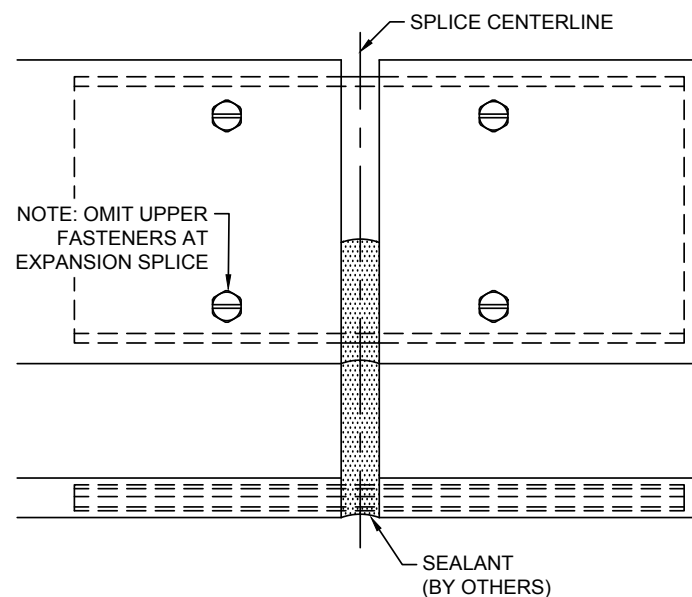
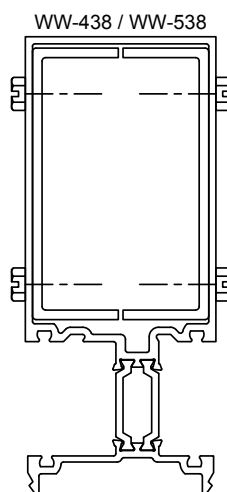
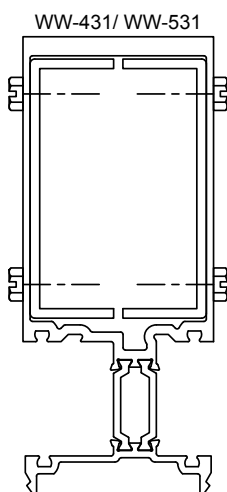
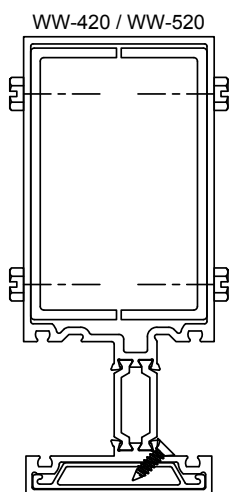
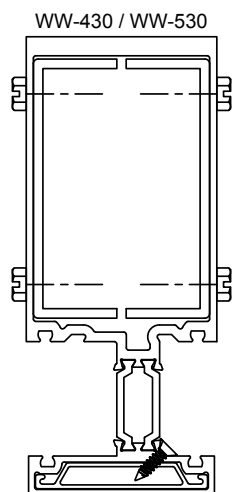
PART NO.	MULLION
WW-102-02	WW-504
WW-102-04	WW-404
WW-102-08	WW-520/WW-538
WW-102-09	WW-420/WW-438
WW-102-10	WW-530/WW-531
WW-102-11	WW-430/WW-431
WW-102-13	WW-234
WW-102-14	WW-233
WW-102-22	AW-270

### NOTE:

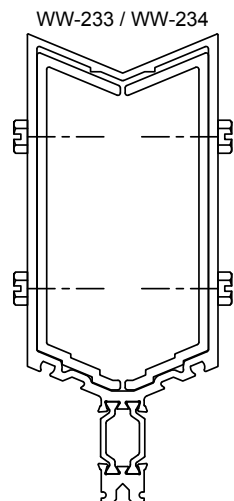
1. ANCHOR BOLT SIZE AND LOCATION DETERMINED BY STRUCTURAL ENGINEER

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





90° OUTSIDE CORNER



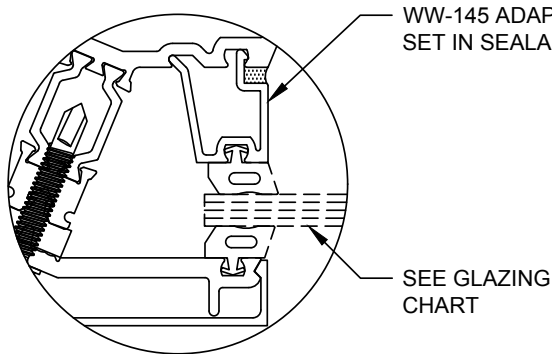
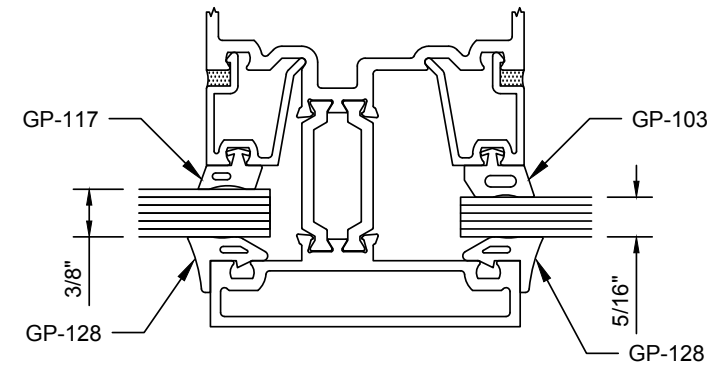
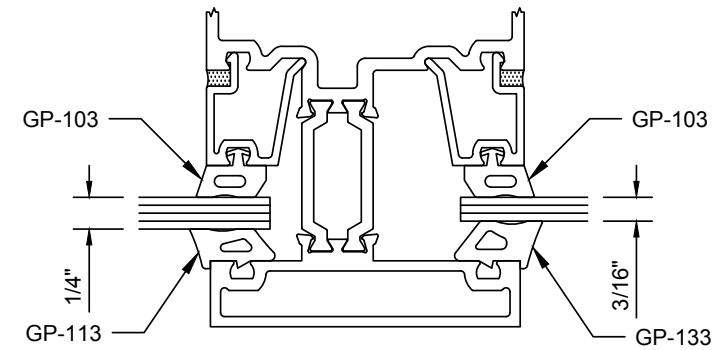
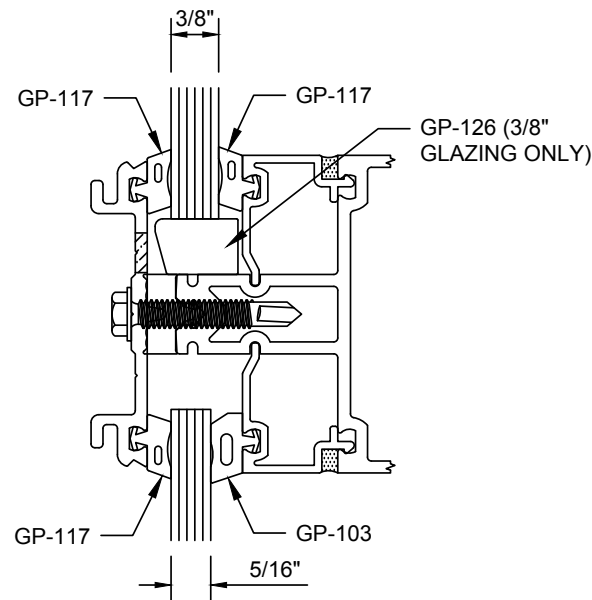
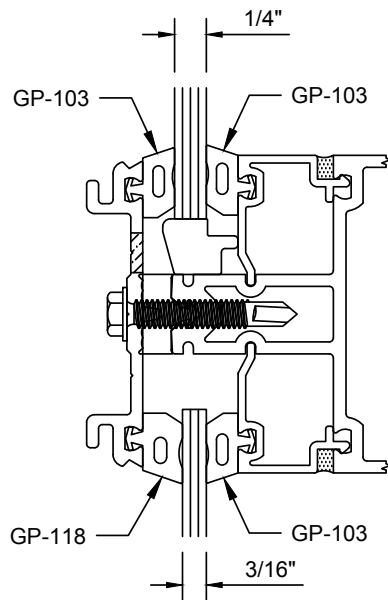
135° OUTSIDE CORNER

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	
AW-270	AW-129-01	
WW-233	WW-213-01	

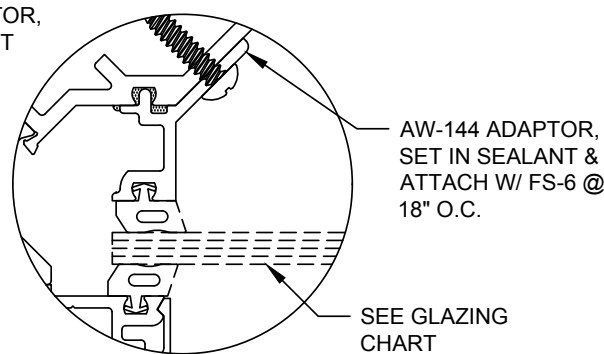
7-1/4" SYSTEM DEPTH		
MULLION	REAR SPLICE	FRONT SPLICE
WW-520	CW-66	WW-203-01
WW-530	CW-1496	WW-203-01
WW-531	CW-1496	
WW-538	CW-66	
AW-270	AW-129-01	
WW-234	WW-214-01	

REFERENCE INSTALLATION MANUAL FOR ADDITIONAL SPLICE INFO.

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



135° CORNER



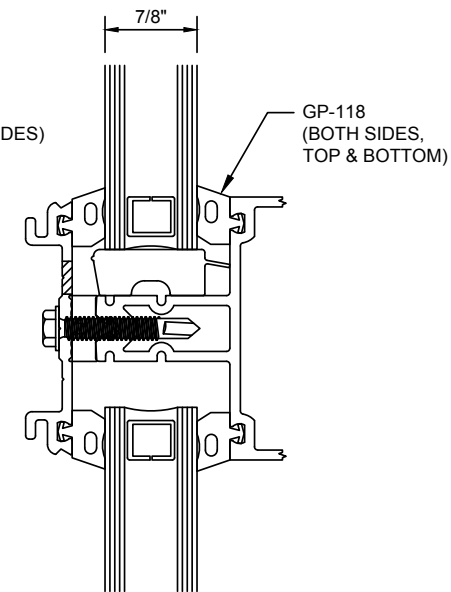
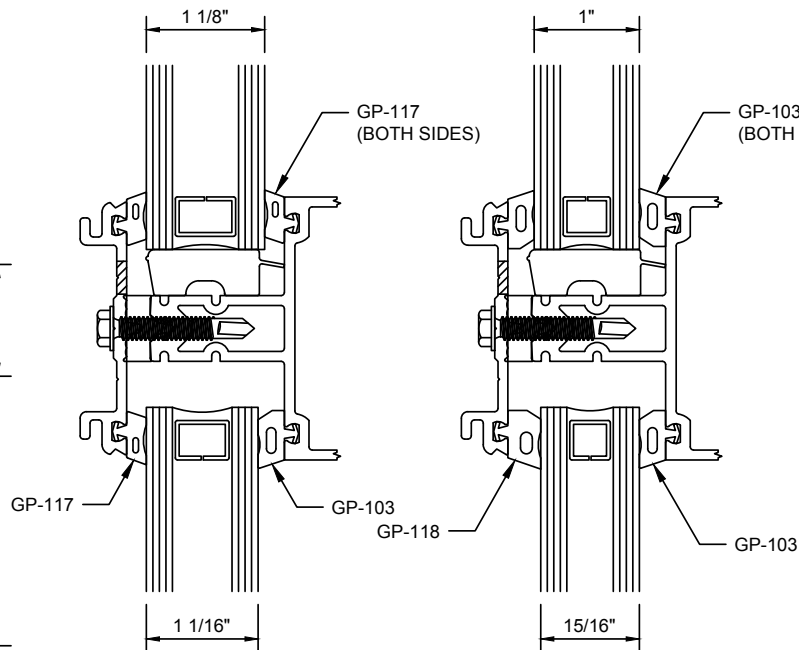
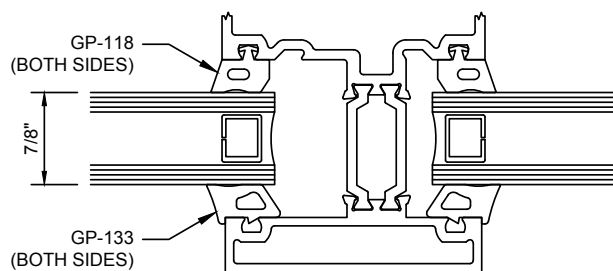
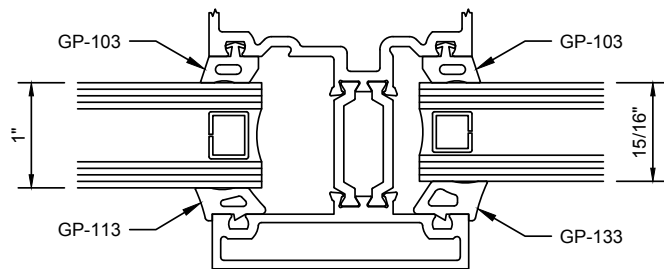
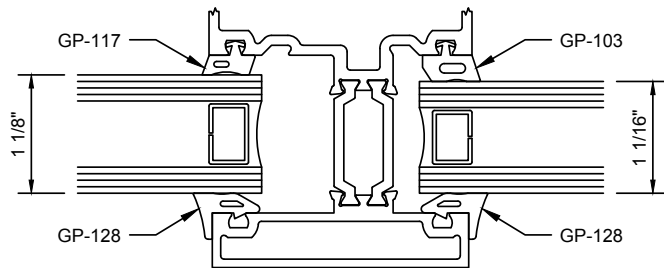
90° CORNER

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"

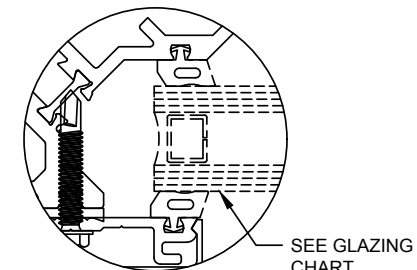
## Reliance™-TC Type I Spandrel Glazing Options - H7446



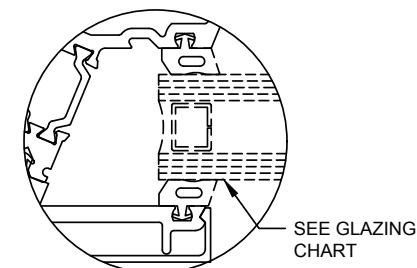
GLAZING CHART			
INFILL THICKNESS	INTERIOR GASKET	EXTERIOR GASKET (HORIZONTALS & CORNERS)	EXTERIOR GASKET (VERTICALS)
7/8" (0.875)	GP-118	GP-118	GP-133
15/16" (0.9375)	GP-118	GP-103	GP-113
1"	GP-103	GP-103	GP-113
1-1/16" (1.0625)	GP-117	GP-103	GP-128
1-1/8" (1.125)	GP-117	GP-117	GP-128

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