

Oldcastle BuildingEnvelope®

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RELIANCE™ CURTAIN WALL 2-1/2" X 7-1/4" - 1" GLAZING

Elev-Rcw725

Horizontal Details

H3401	Head
H3404	Sill
H3405	Typical Horizontal
H3408	Roll-Over Horizontal
H3409	Roll-Under Horizontal
H3418	Pocket Frame Operable Window
H3419	Flat Frame Operable Window

Vertical Details

V3401	Jamb - Open Back
V3402	Typical Vertical
V3405	Heavy Vertical
V3408	Jamb - Tubular
V3452	SSG Vertical
V3453	SSG Vertical at Transition to Captured
V3457	SSG Vertical at Spandrel
V3459	SSG Vertical at Operable Window

Corner Details

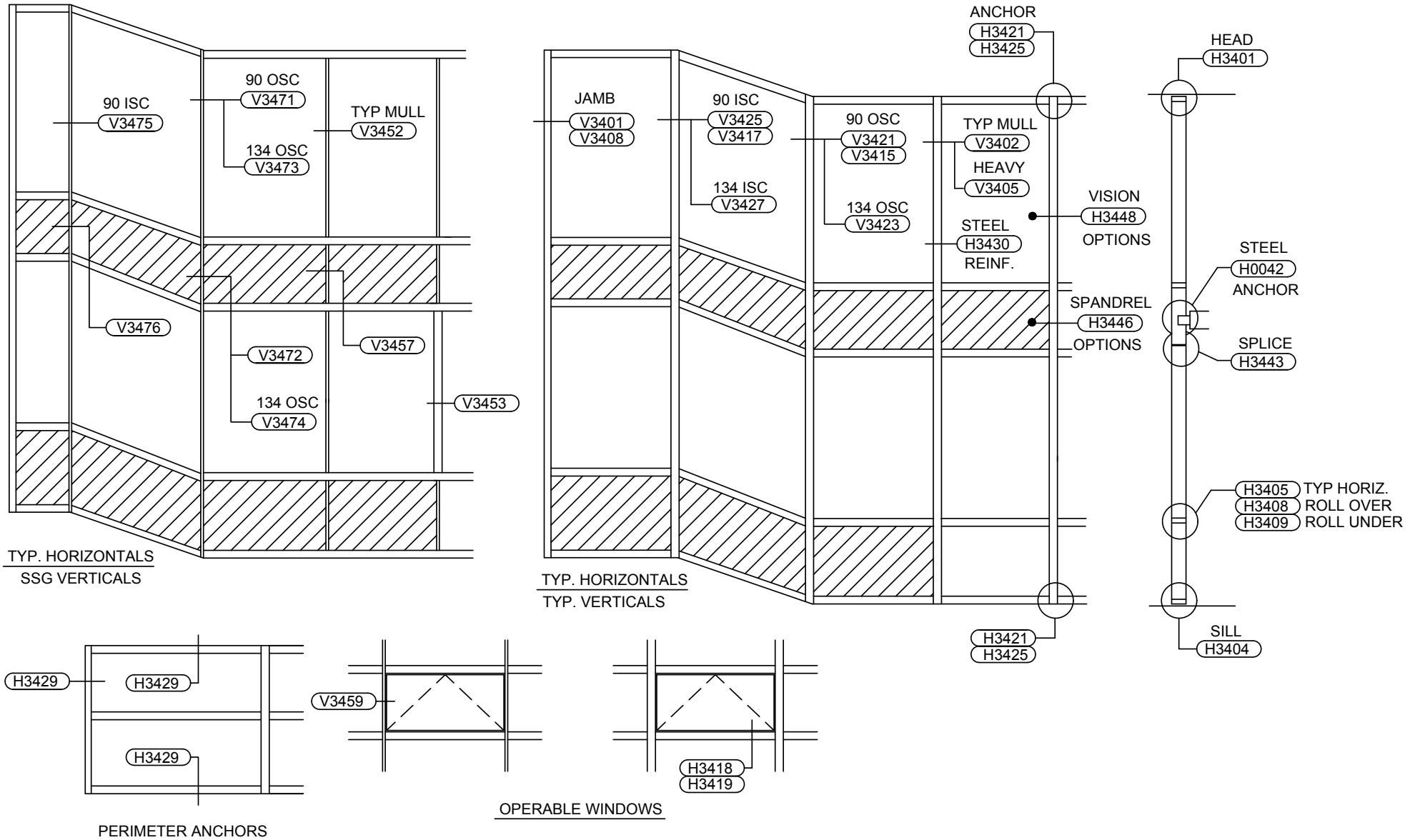
V3415	90° Outside Corner - 2 Mullion
V3417	90° Inside Corner - 2 Mullion
V3421	90° Outside Corner - Single Mullion
V3423	135° Outside Corner
V3425	90° Inside Corner - Single Mullion
V3427	135° Inside Corner
V3471	90° SSG Outside Corner
V3472	90° SSG Outside Corner at Spandrel
V3473	135° SSG Outside Corner
V3474	135° SSG Outside Corner at Spandrel
V3475	90° SSG Inside Corner
V3476	90° SSG Inside Corner at Spandrel

Misc. Details

H0042	Steel Anchor
H3421	Shear Block Anchor
H3425	'F' & 'T' Mullion Anchor
H3429	Perimeter Anchor
H3430	Steel Reinforcement
H3443	Mullion Splicing
H3446	Spandrel Glazing Options
H3448	Vision Glazing Options

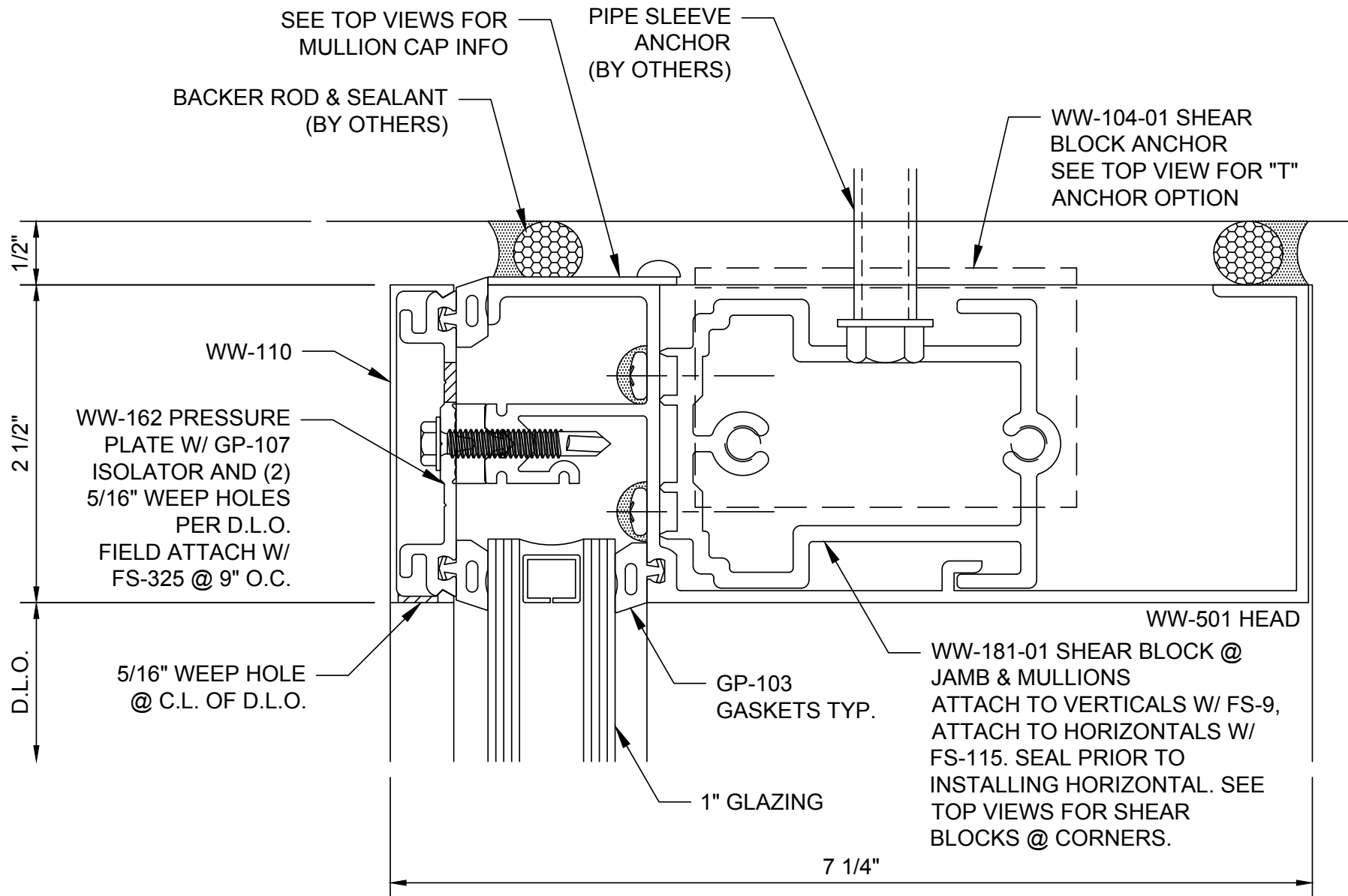
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Note: For Door Models visit : <http://www.obe.com/products/entrances/swing-entrances/standard-ns-212ms-375ws-500-door-and-frame>

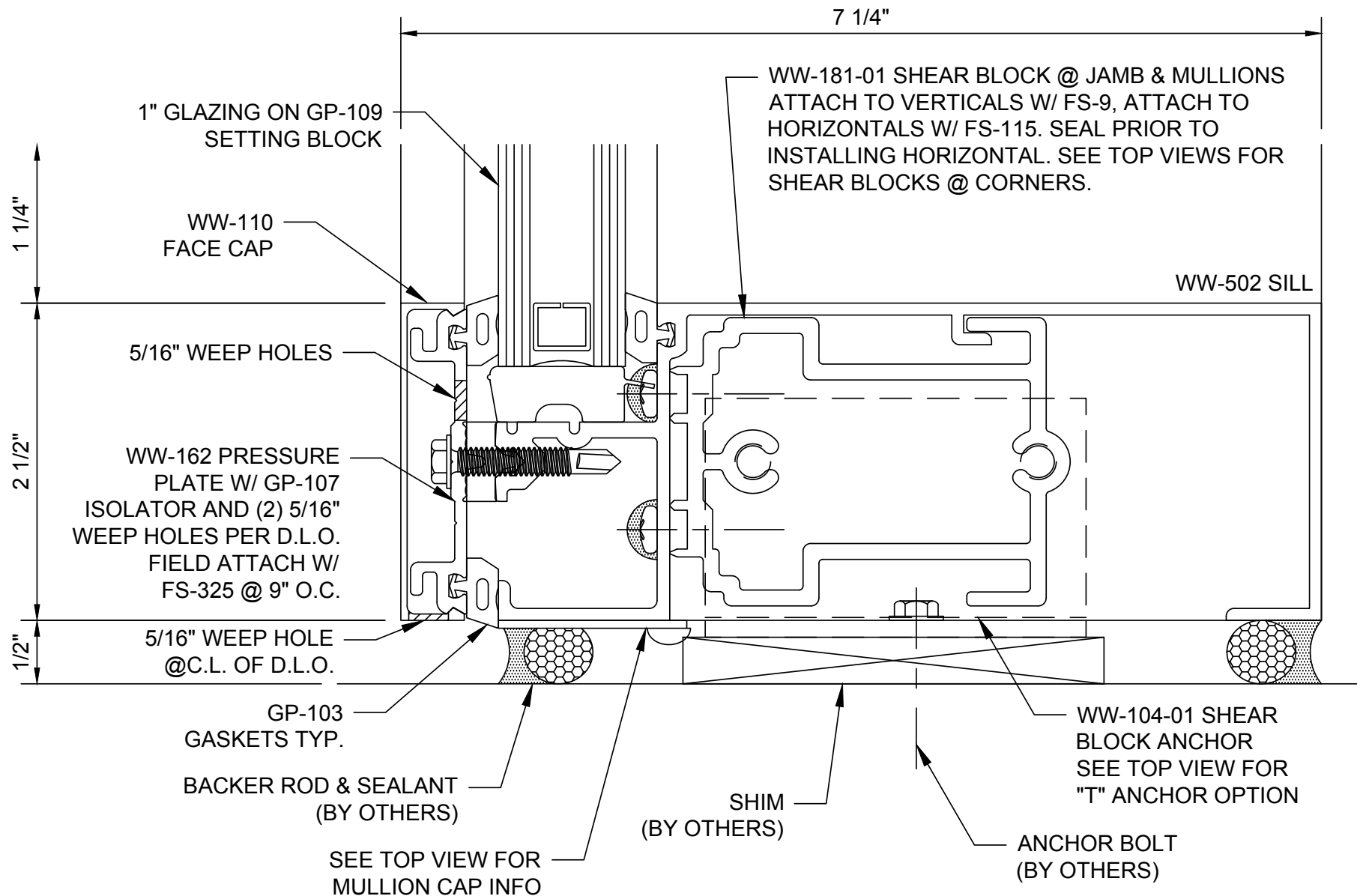


Reliance™ Curtain Wall

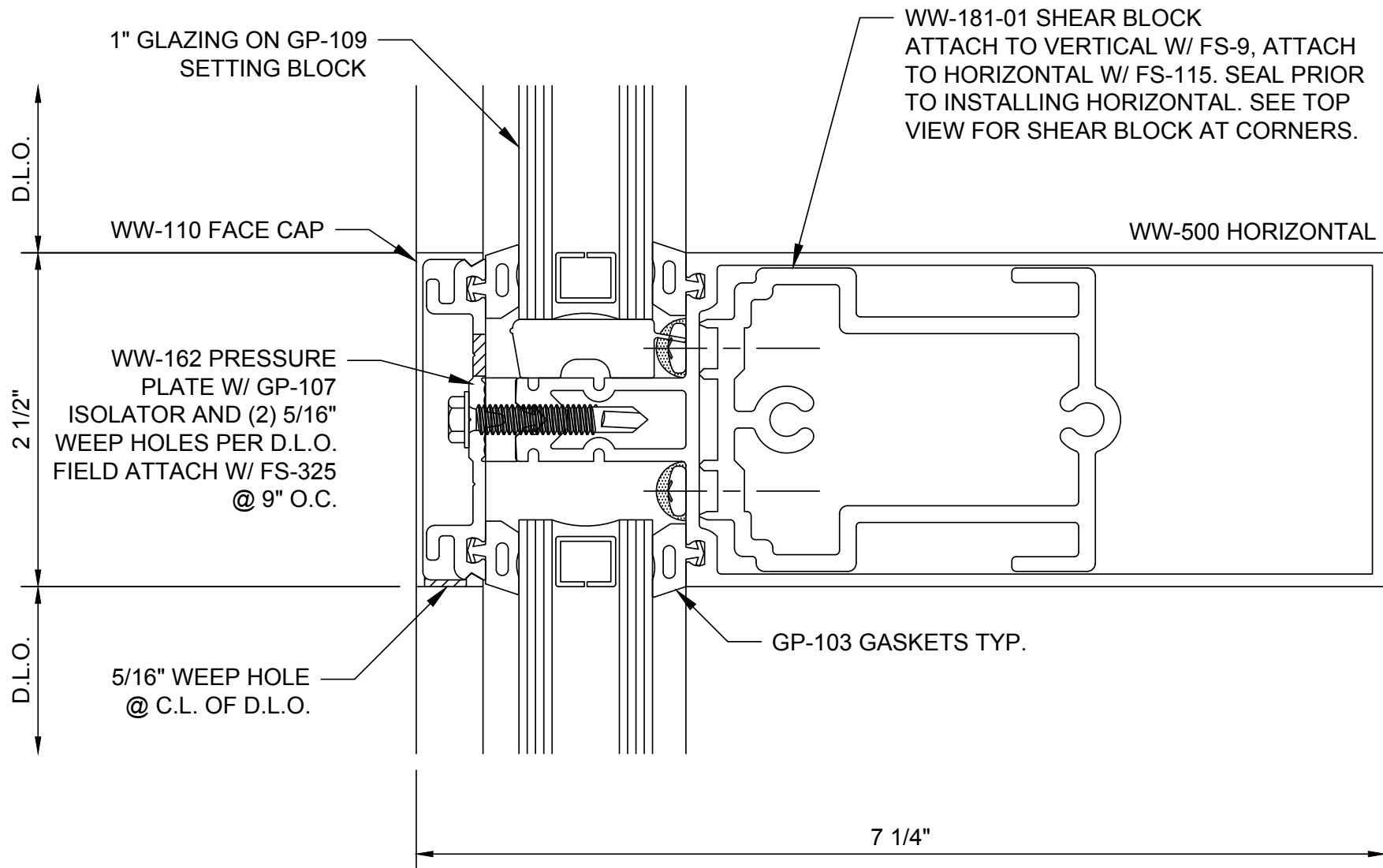
2-1/2" x 7-1/4" w/ 1" Glazing - Elevation



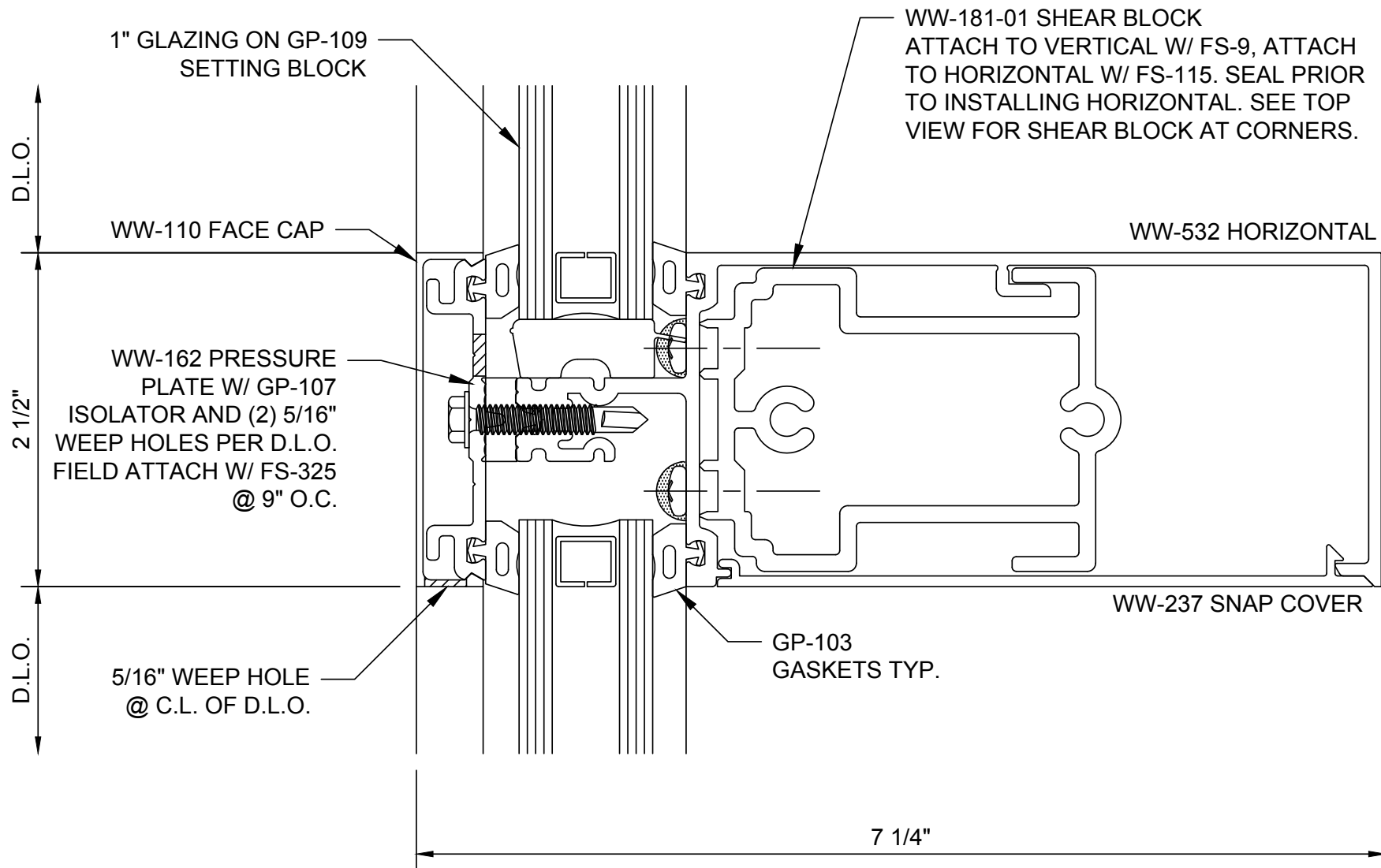
Reliance™ Curtain Wall Head at Vision - H3401



Reliance™ Curtain Wall Sill at Vision - H3404

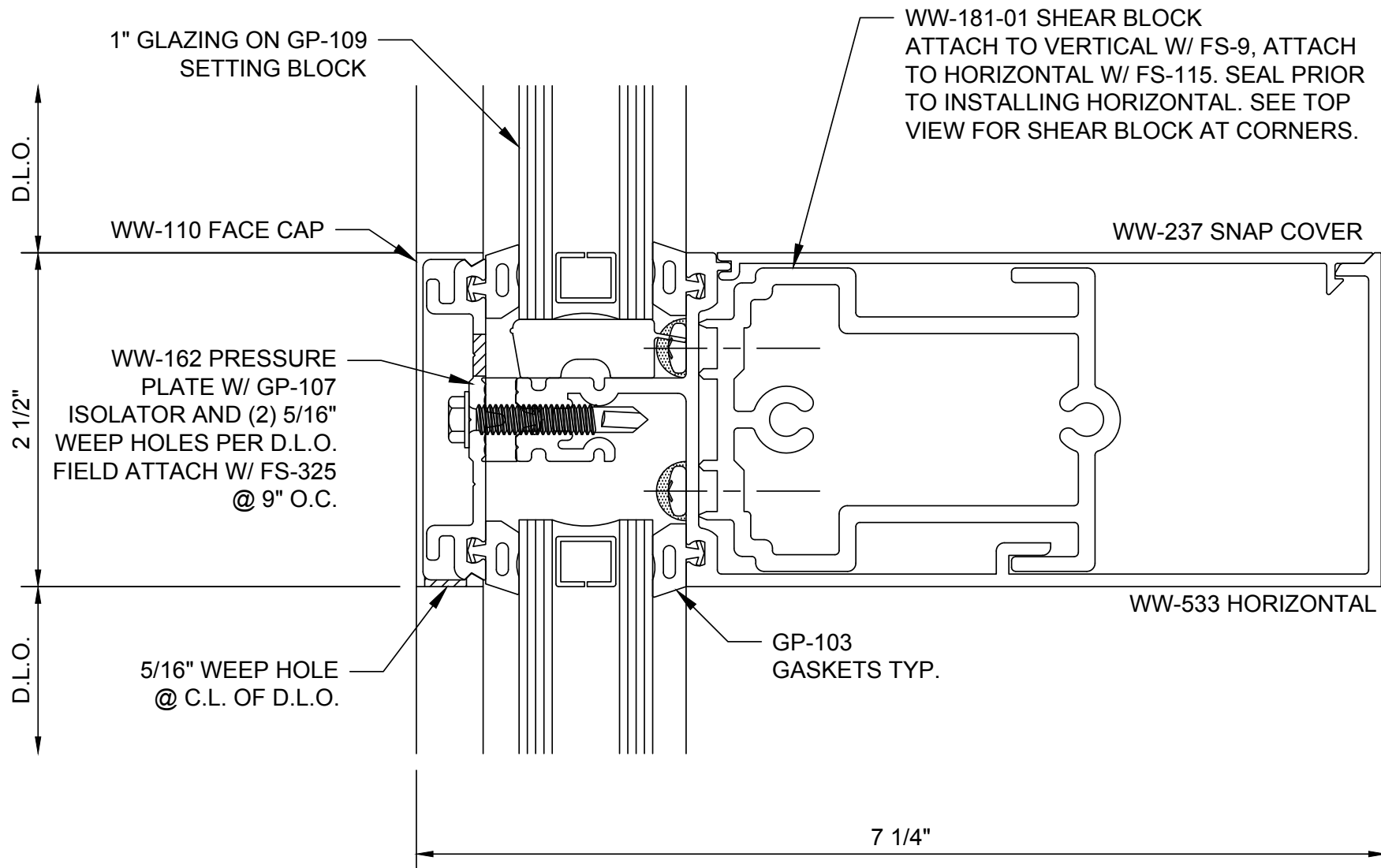


Reliance™ Curtain Wall
Intermediate Horizontal at Vision - H3405



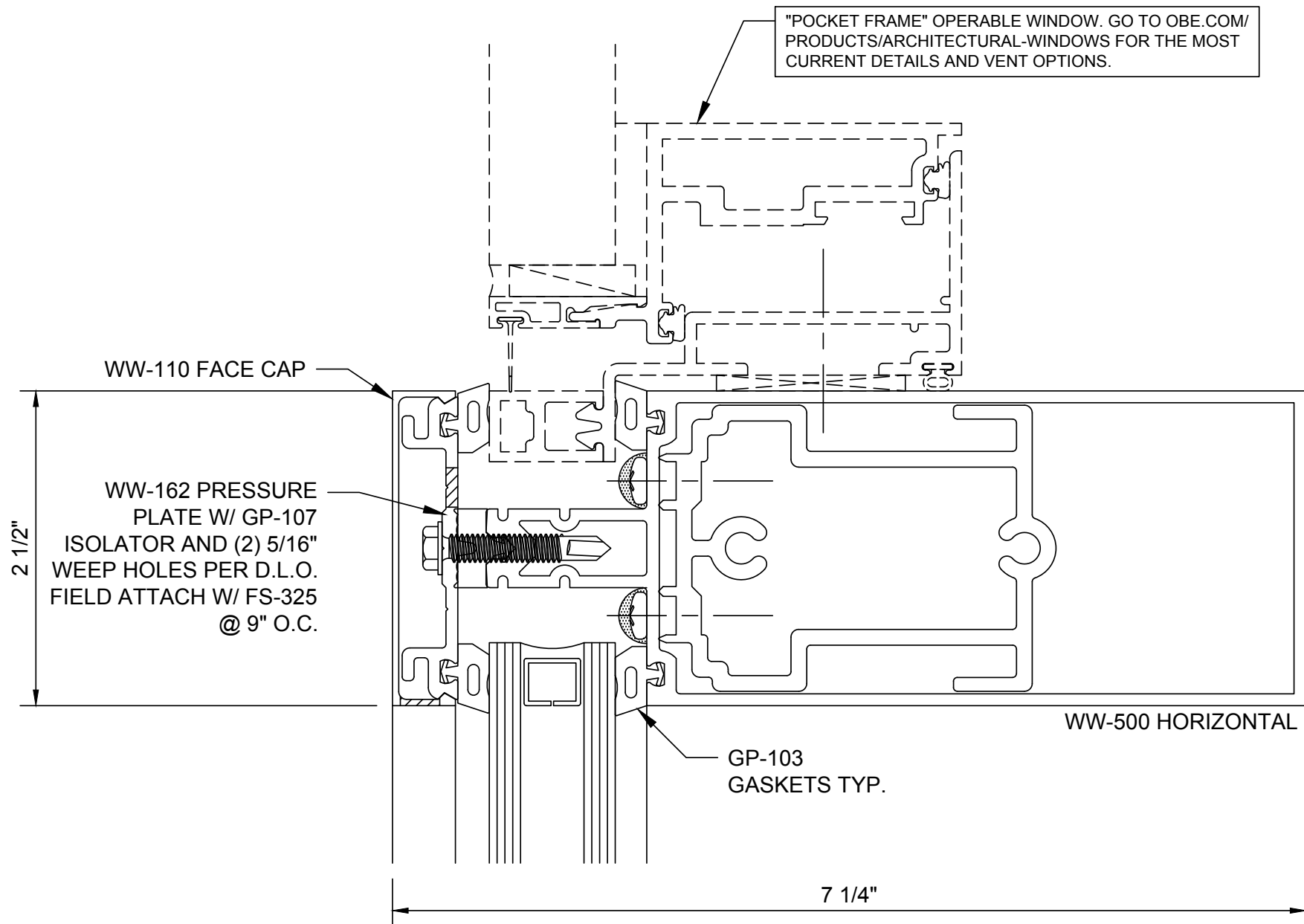
Reliance™ Curtain Wall

Roll-over Horizontal at Vision - H3408

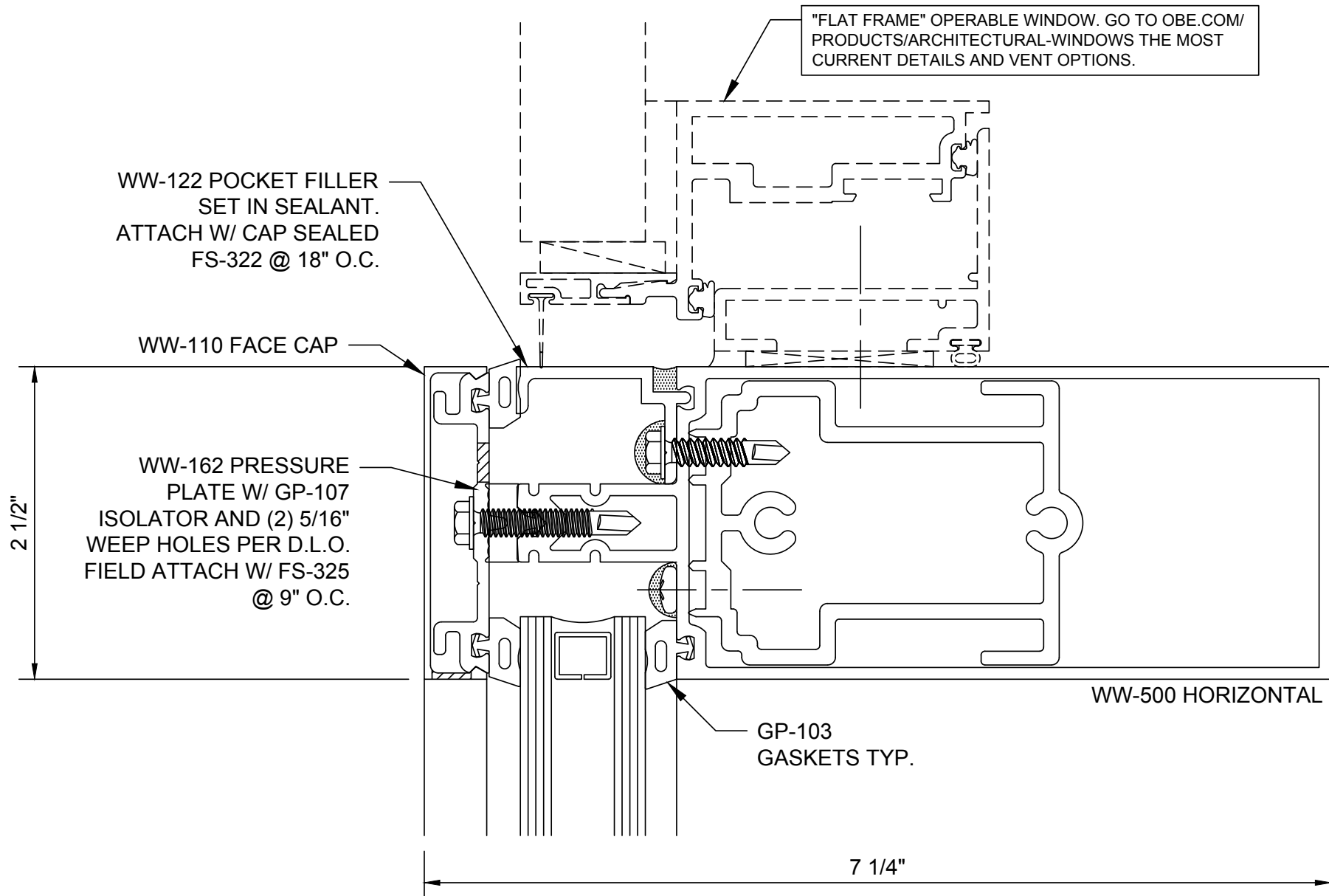


Reliance™ Curtain Wall

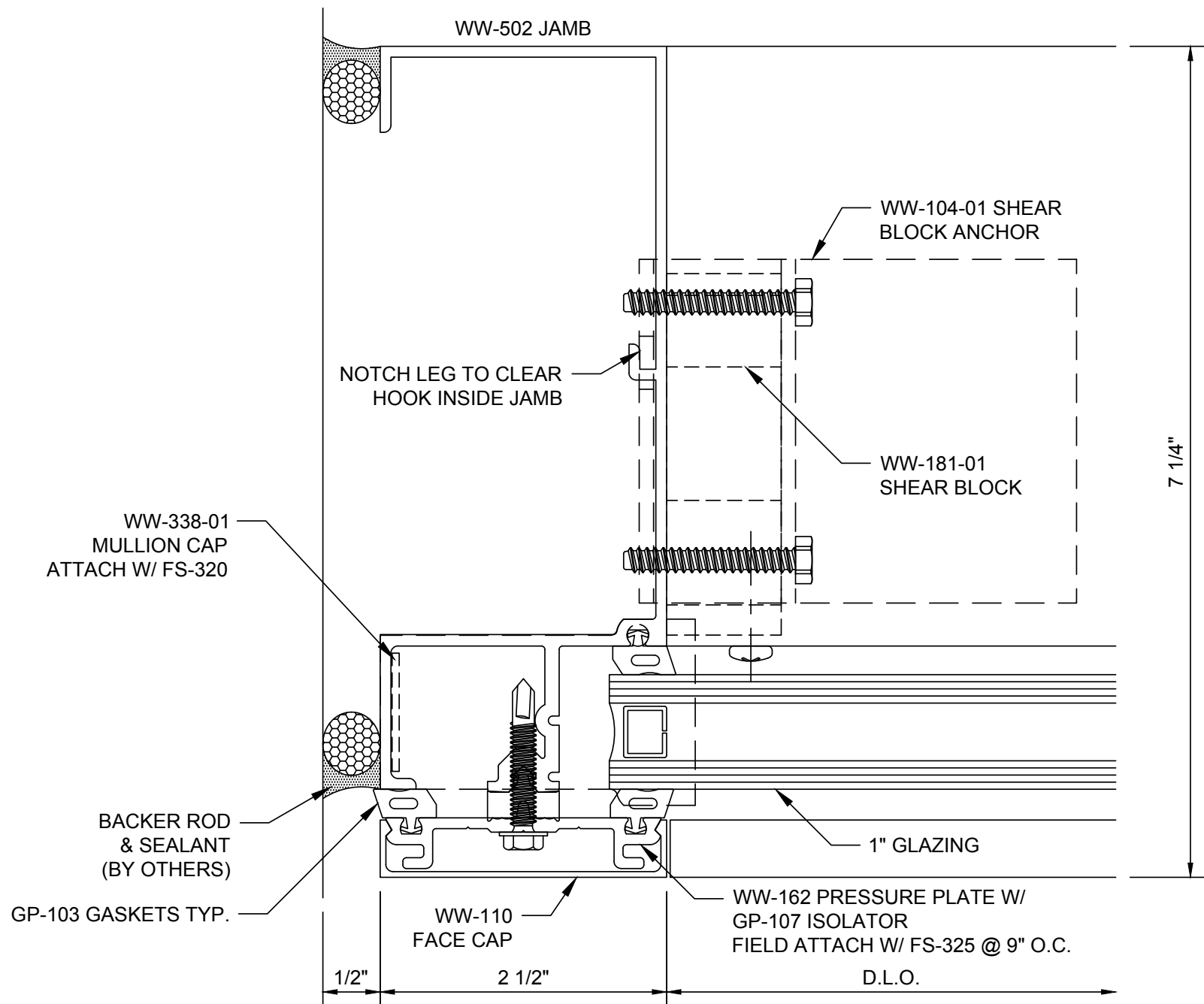
Roll-under Horizontal at Vision - H3509



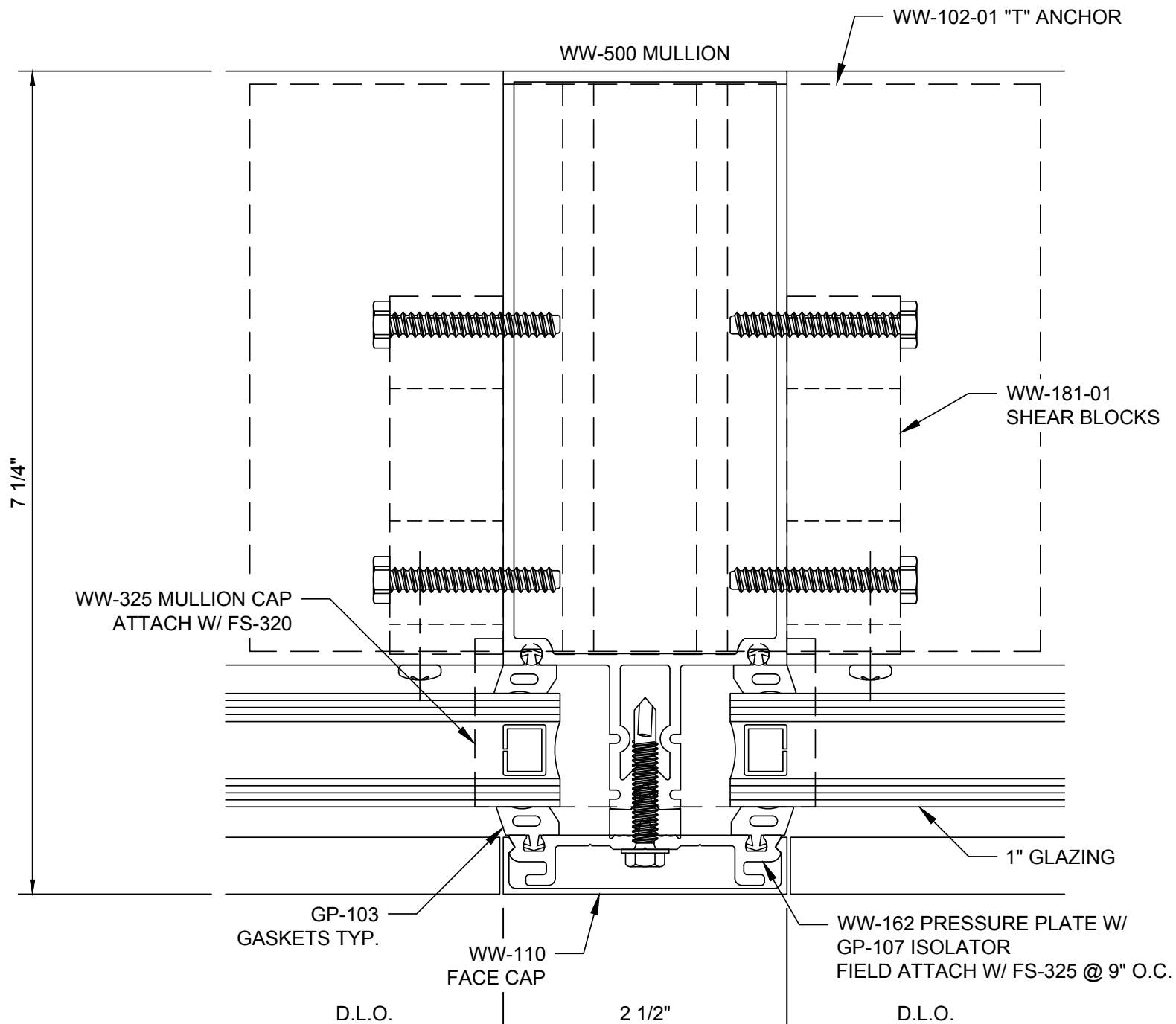
Reliance™ Curtain Wall Horizontal at Operable Window - H3418



Reliance™ Curtain Wall Horizontal at Operable Window - H3419

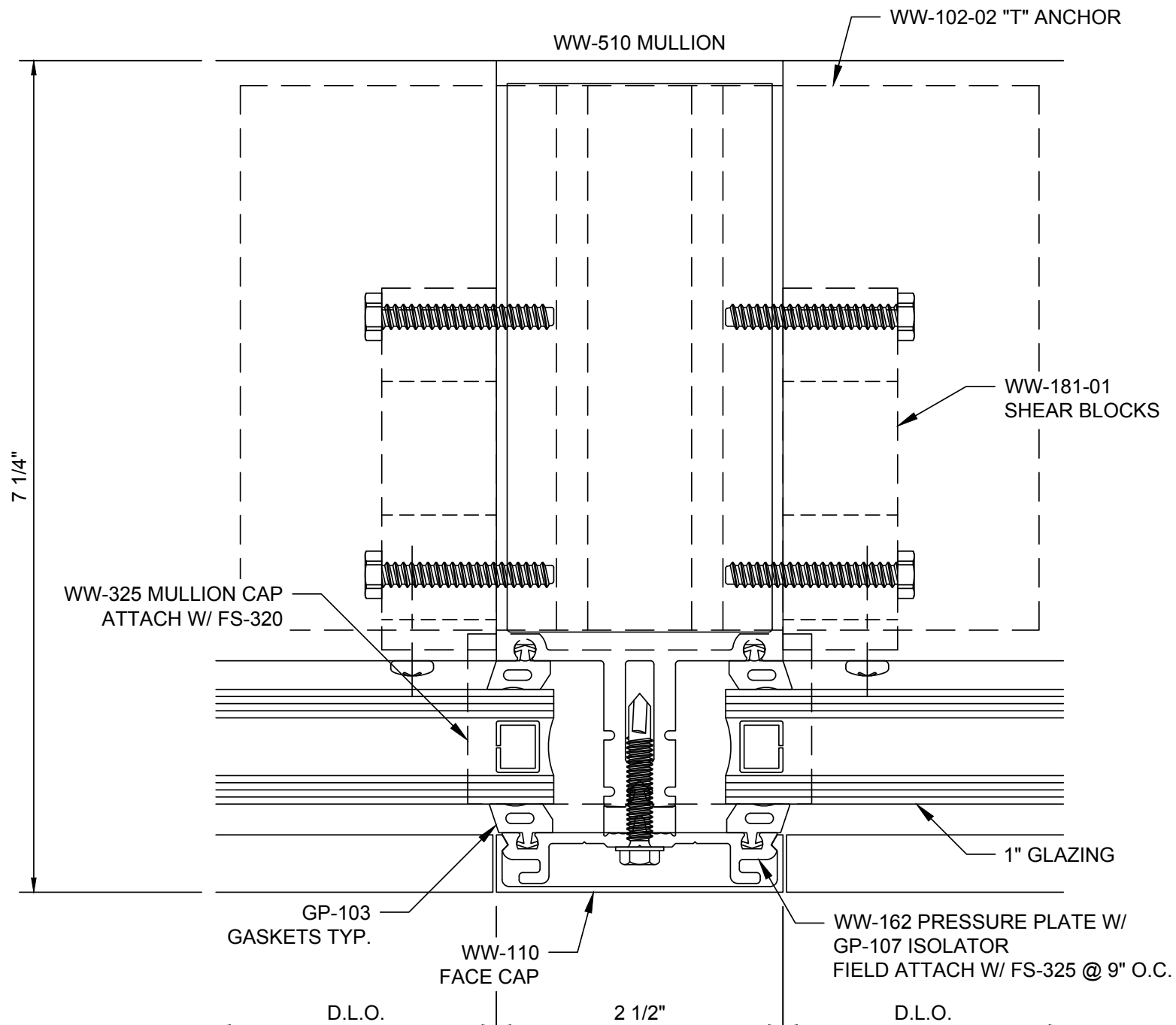


Reliance™ Curtain Wall Open Back Jamb Vertical - V3401

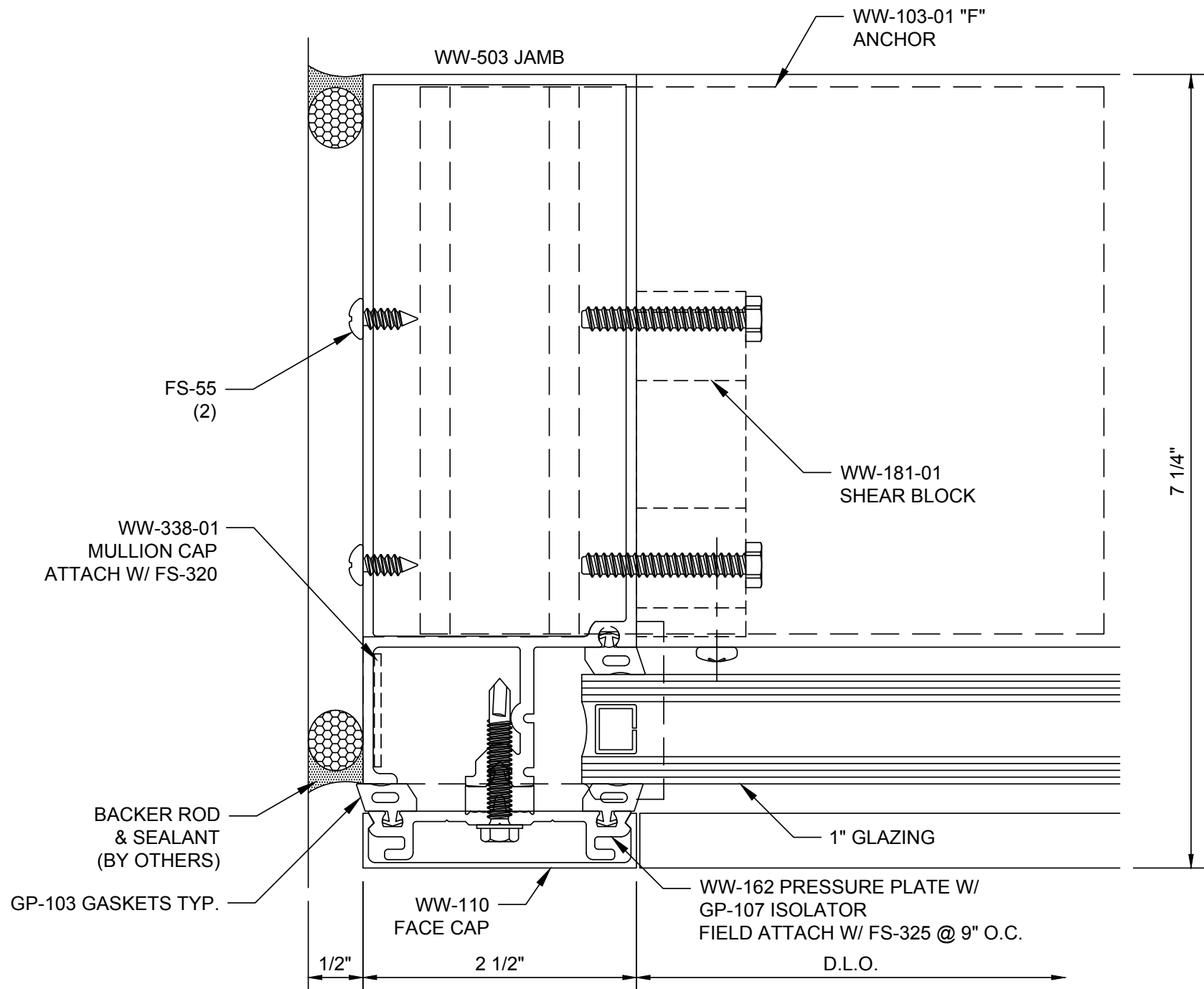


Reliance™ Curtain Wall

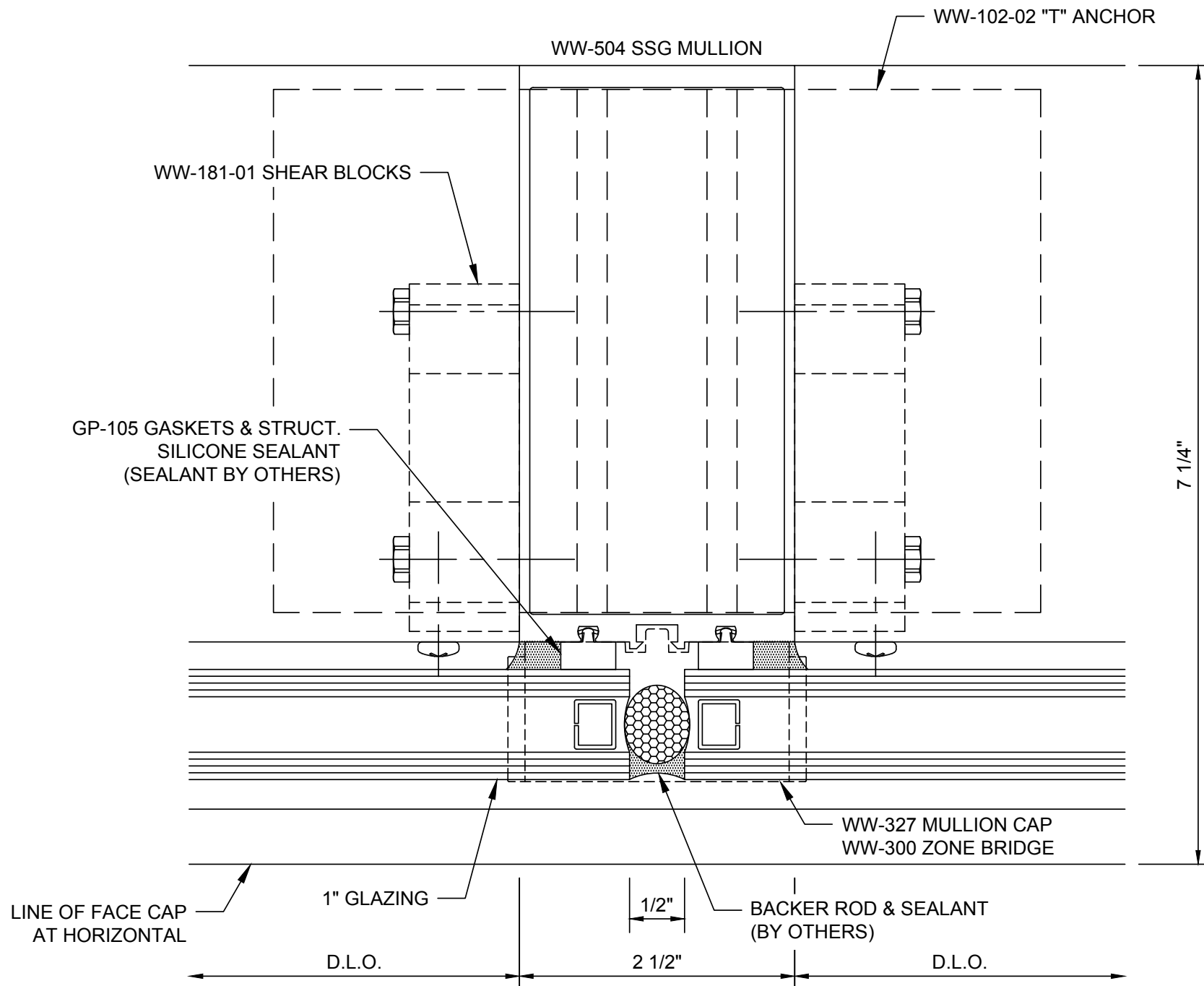
Typical Vertical Mullion - V3402



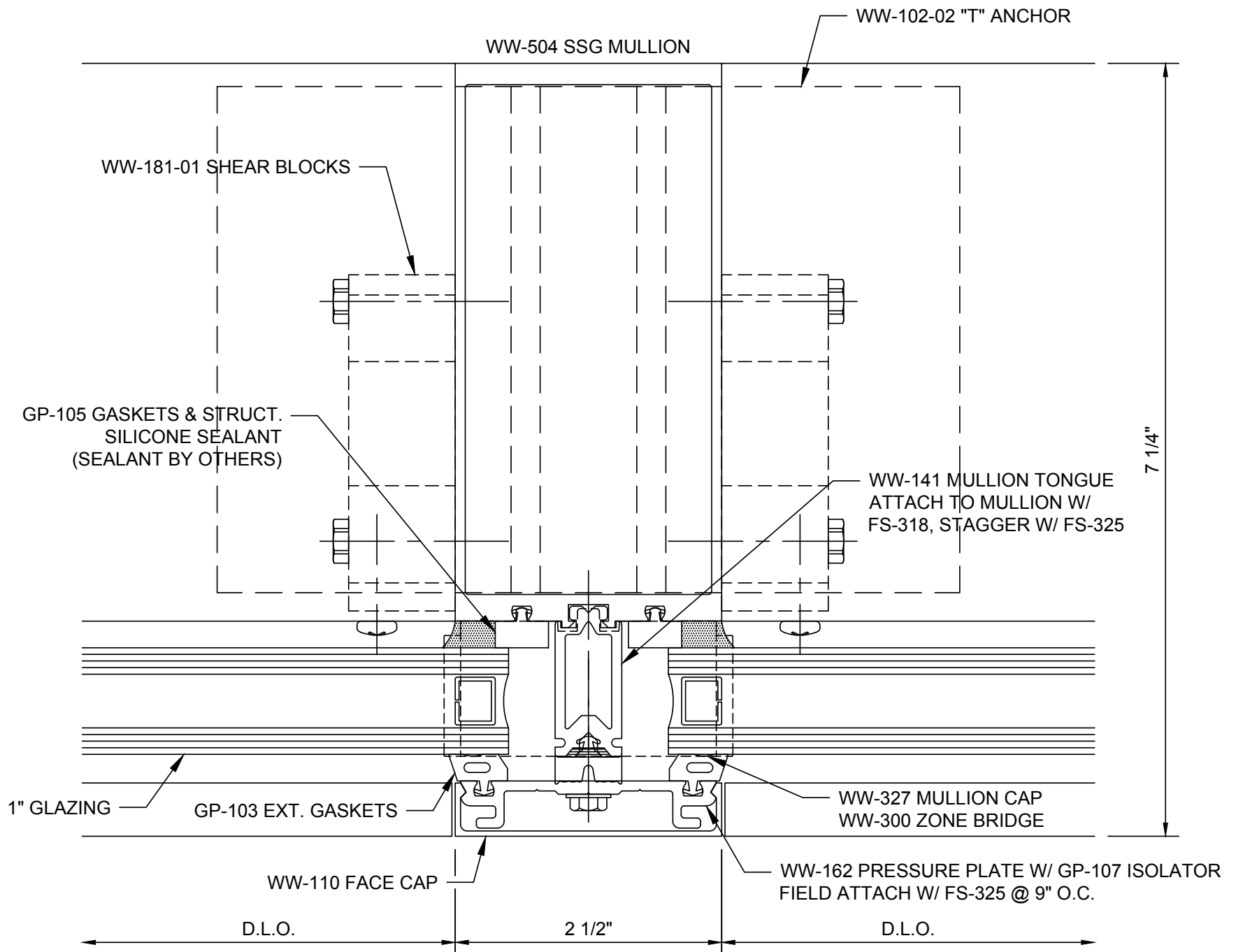
Reliance™ Curtain Wall Heavy Vertical Mullion - V3405



Reliance™ Curtain Wall Tubular Jamb Vertical - V3408

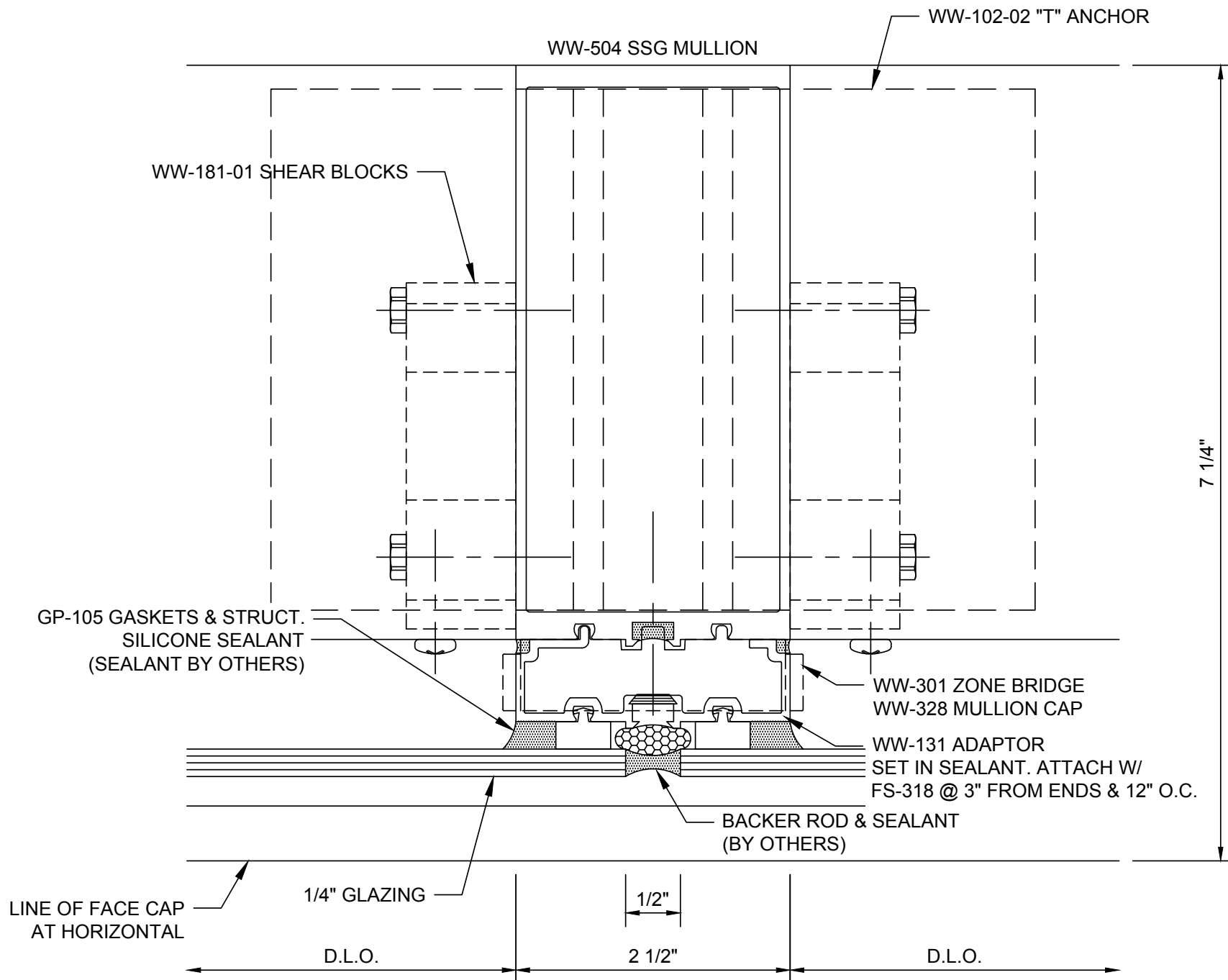


Reliance™ Curtain Wall SSG Vertical Mullion - V3452



Reliance™ Curtain Wall

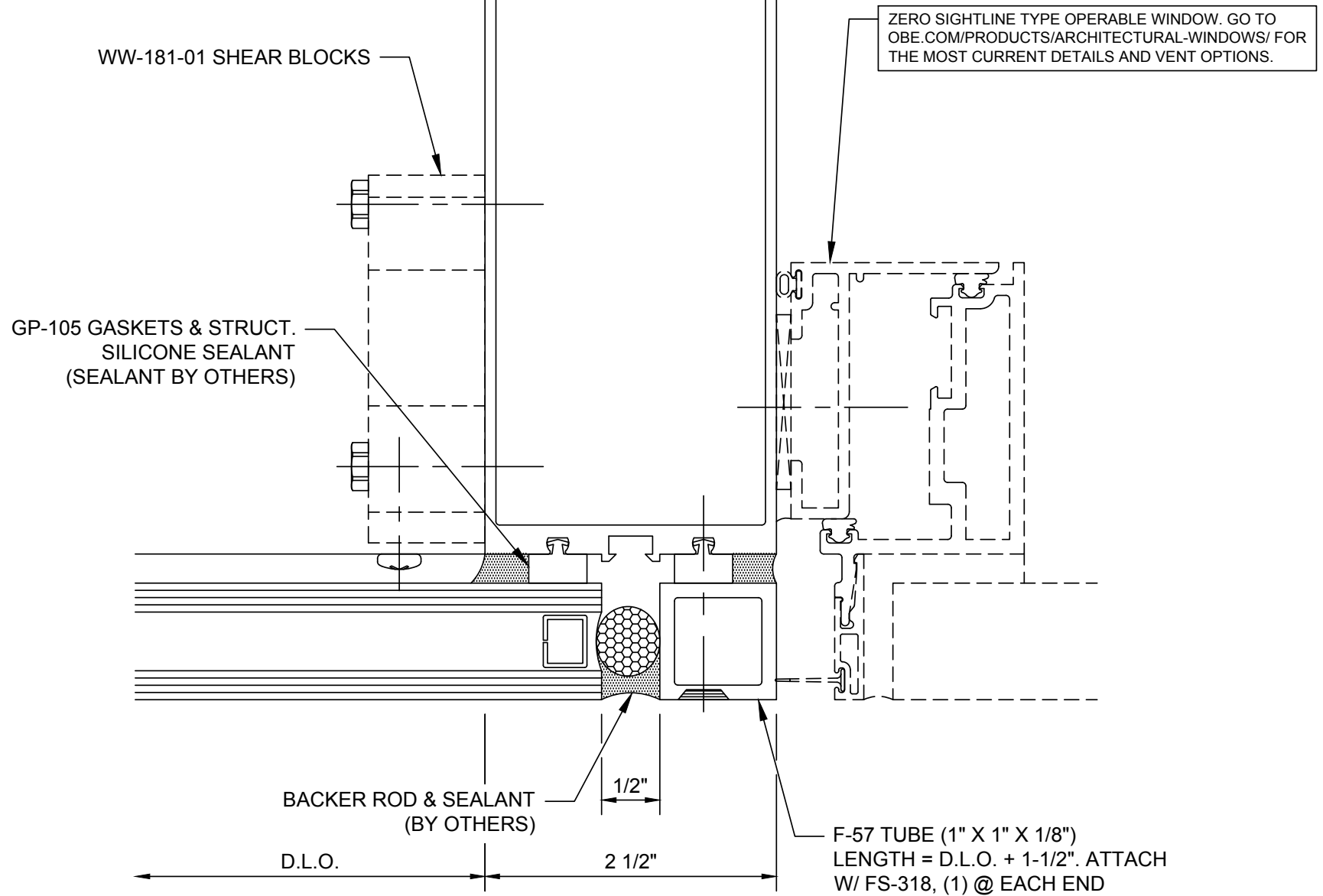
Vertical Mullion at SSG to Captured Transition - V3453



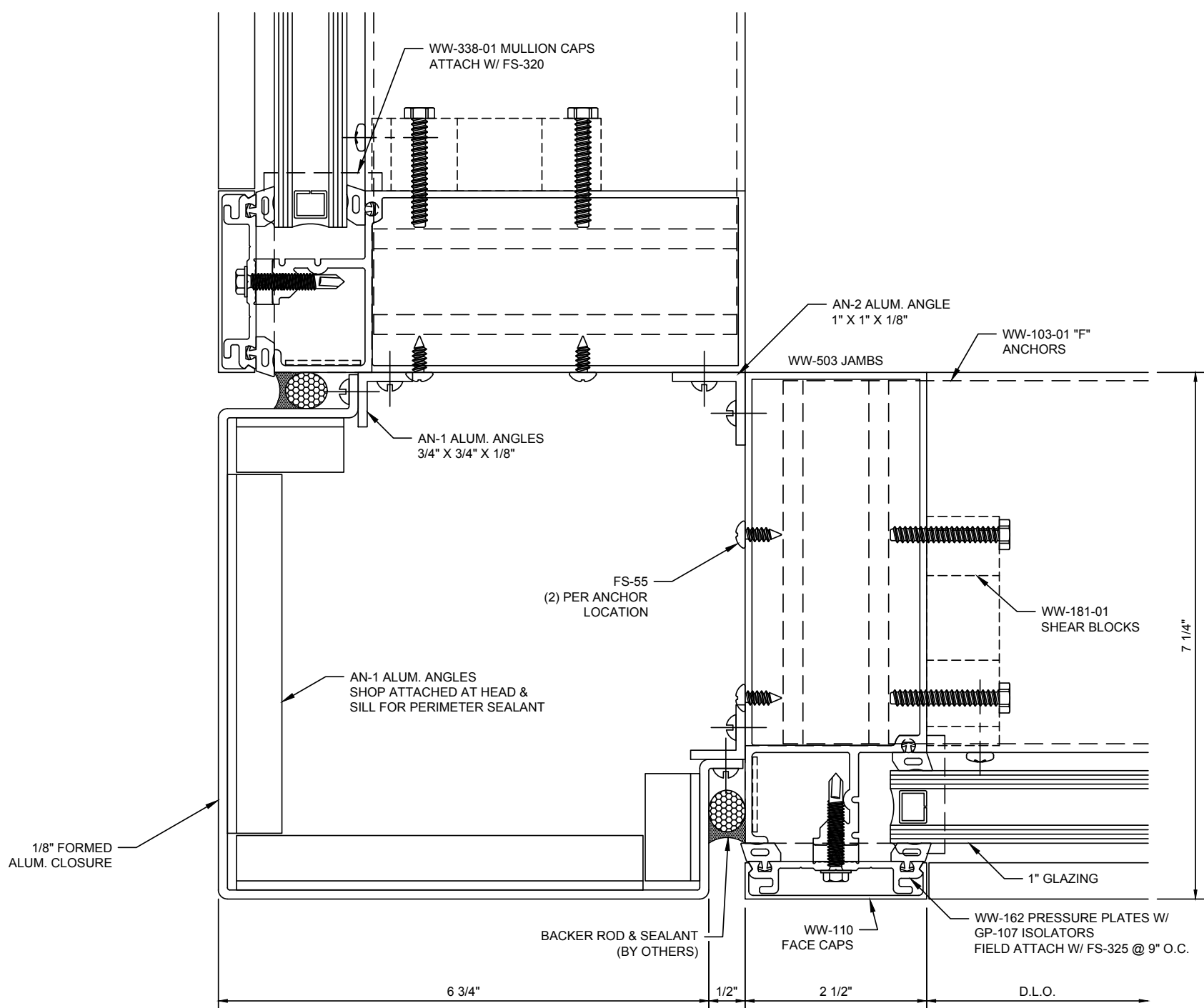
Reliance™ Curtain Wall

SSG Vertical Mullion at Spandrel - V3457

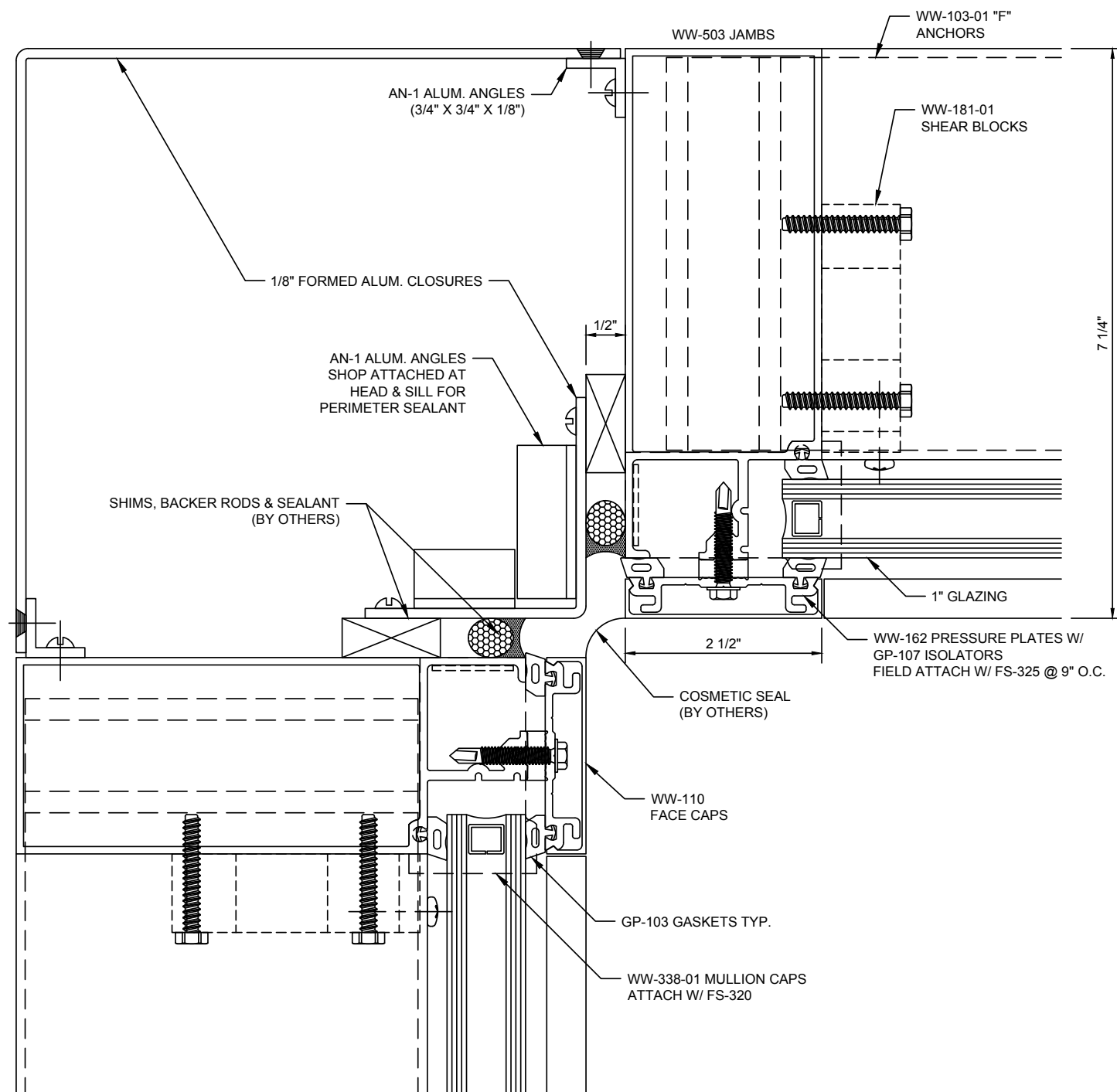
WW-504 SSG MULLION



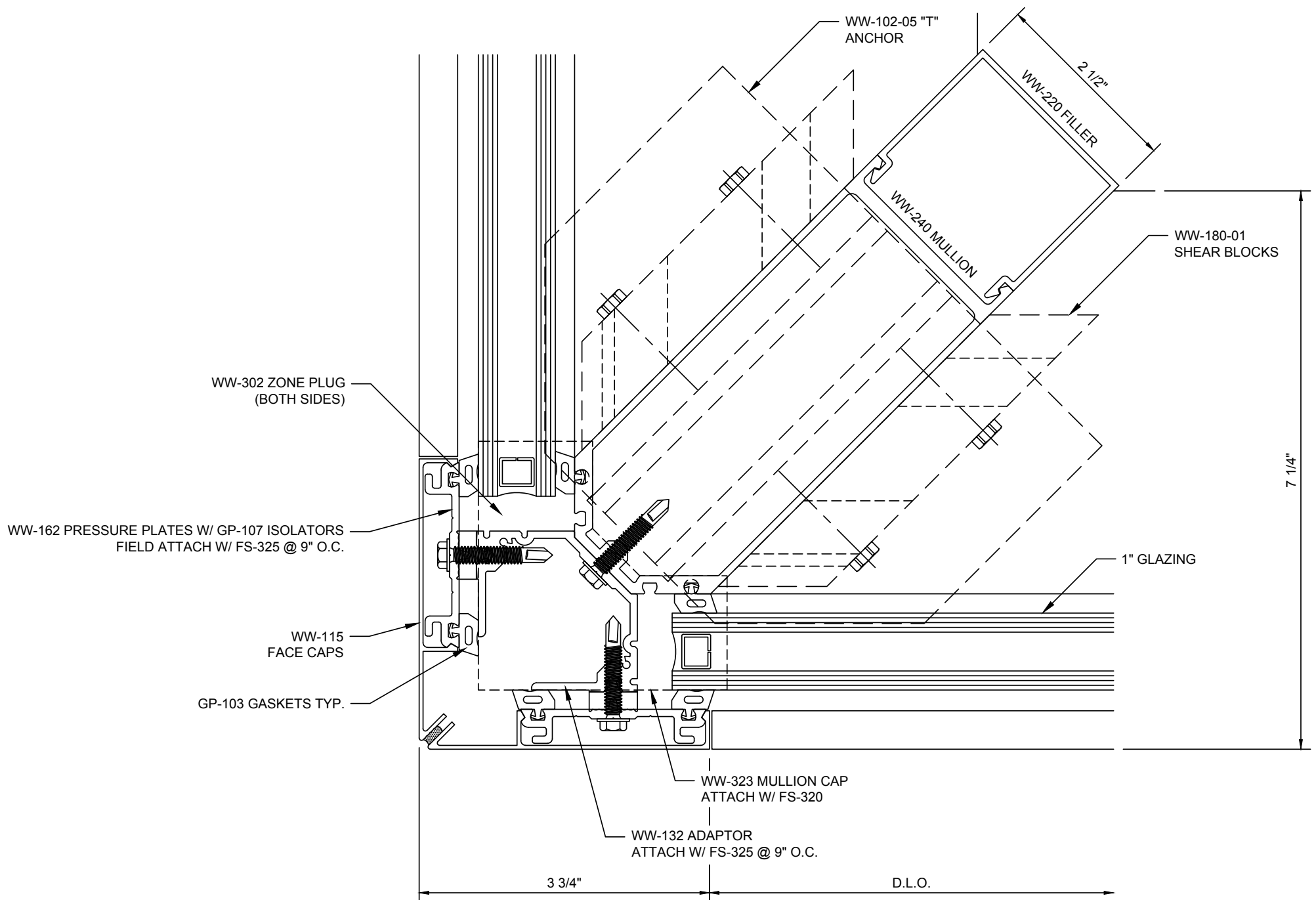
Reliance™ Curtain Wall SSG Mullion at Operable Window - V3459



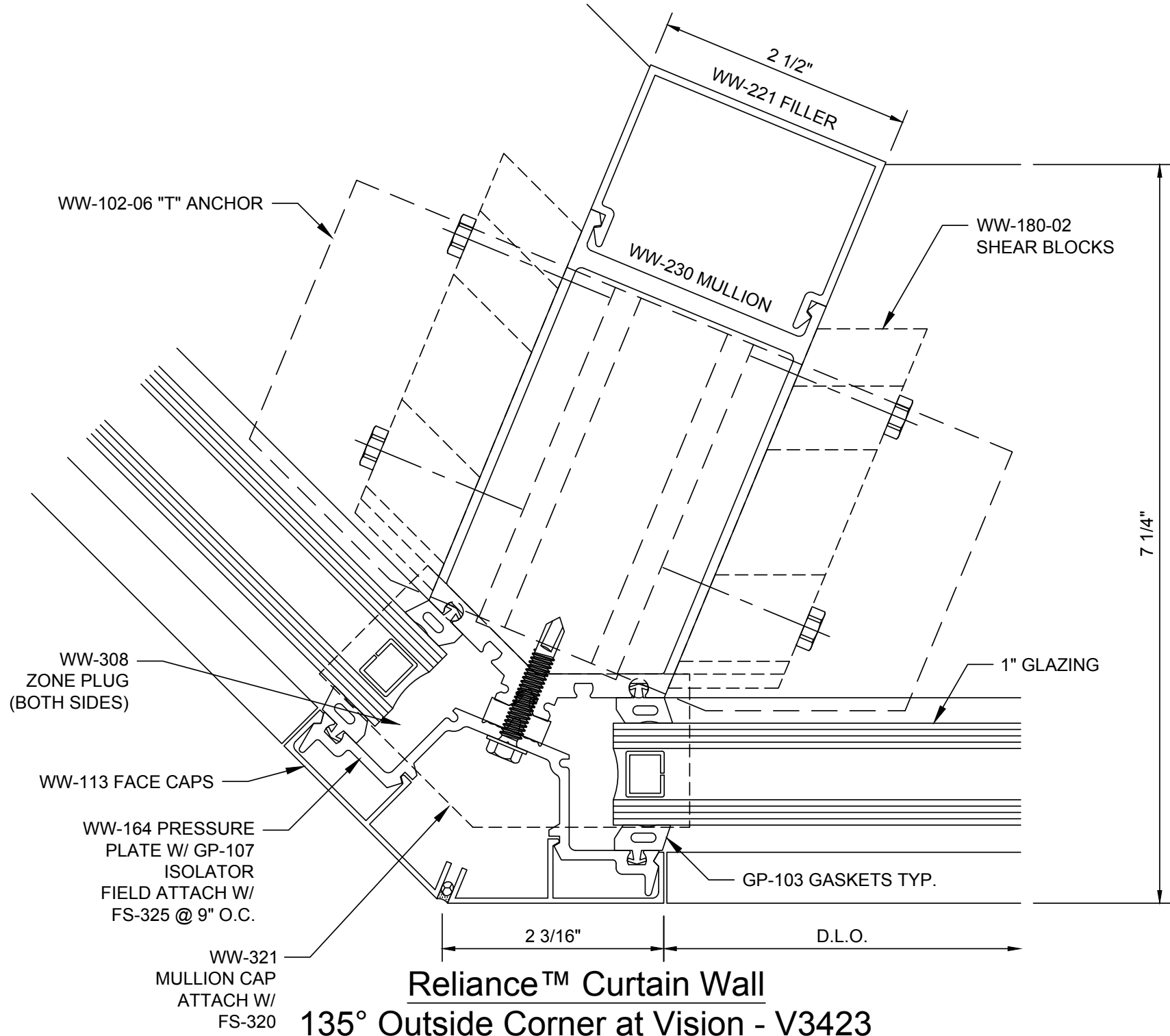
Reliance™ Curtain Wall 90° Outside Corner - V3415

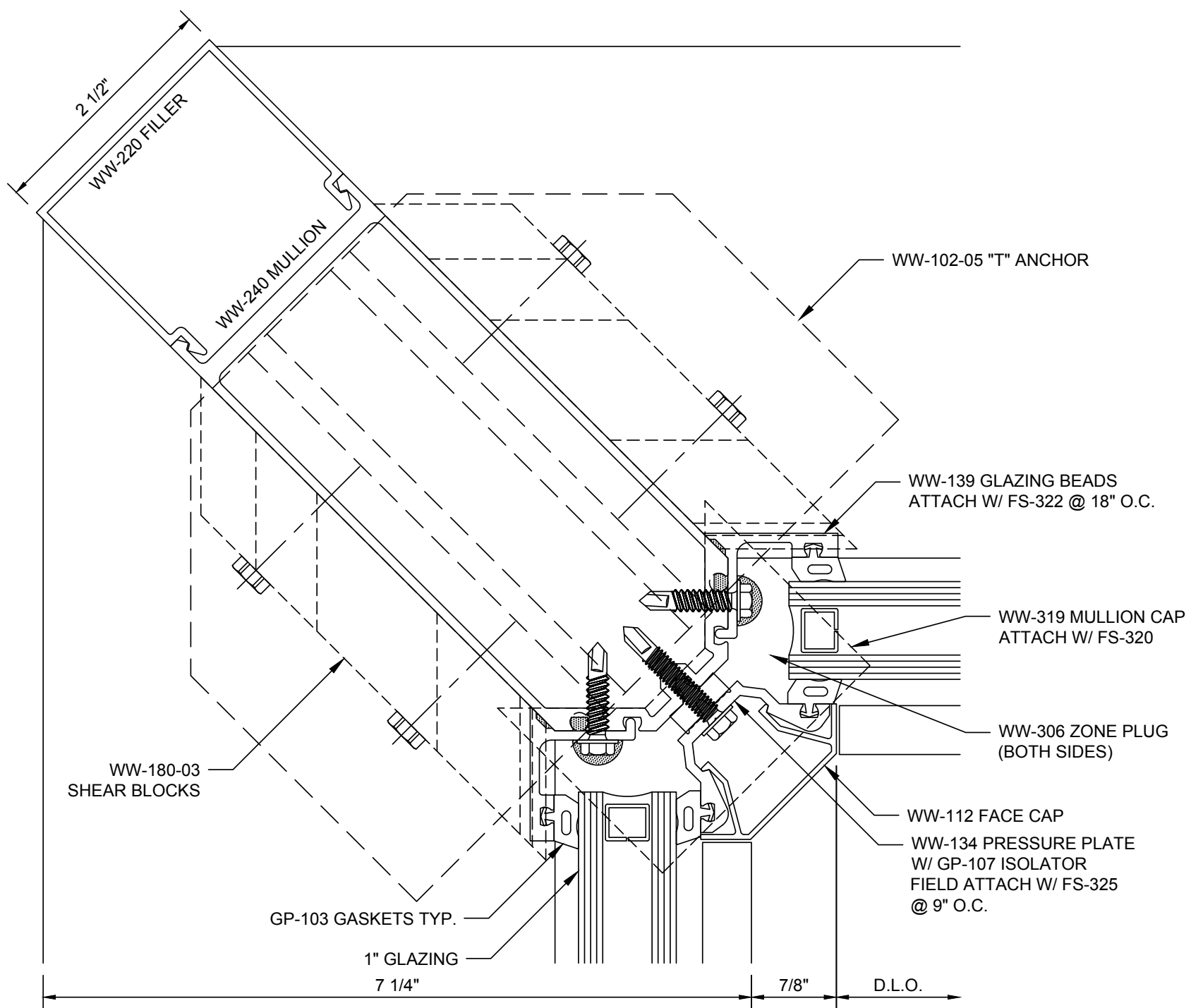


Reliance™ Curtain Wall 90° Inside Corner - V3417

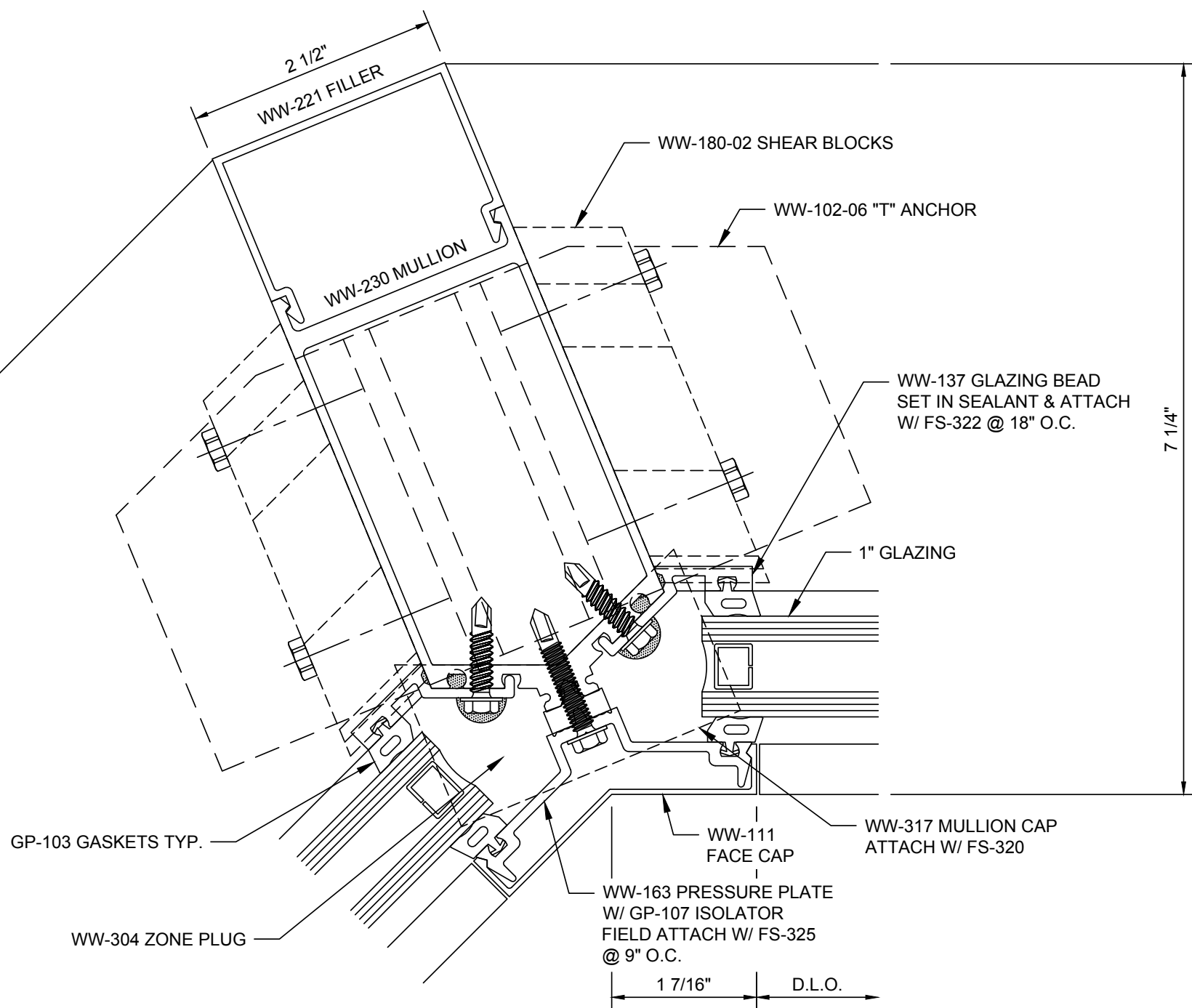


Reliance™ Curtain Wall 90° Outside Corner at Vision - V3421



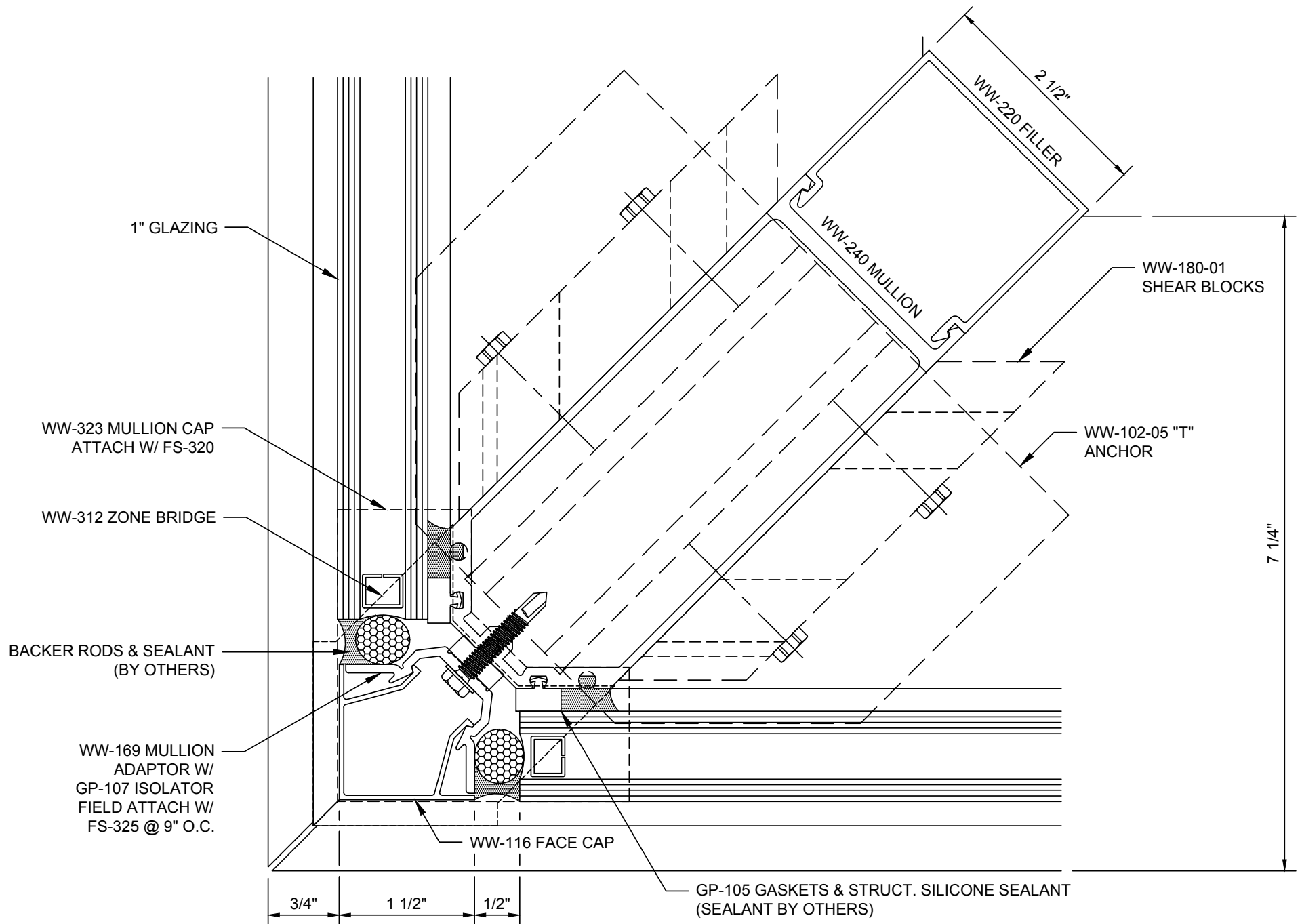


Reliance™ Curtain Wall
90° Inside Corner at Vision - V3425



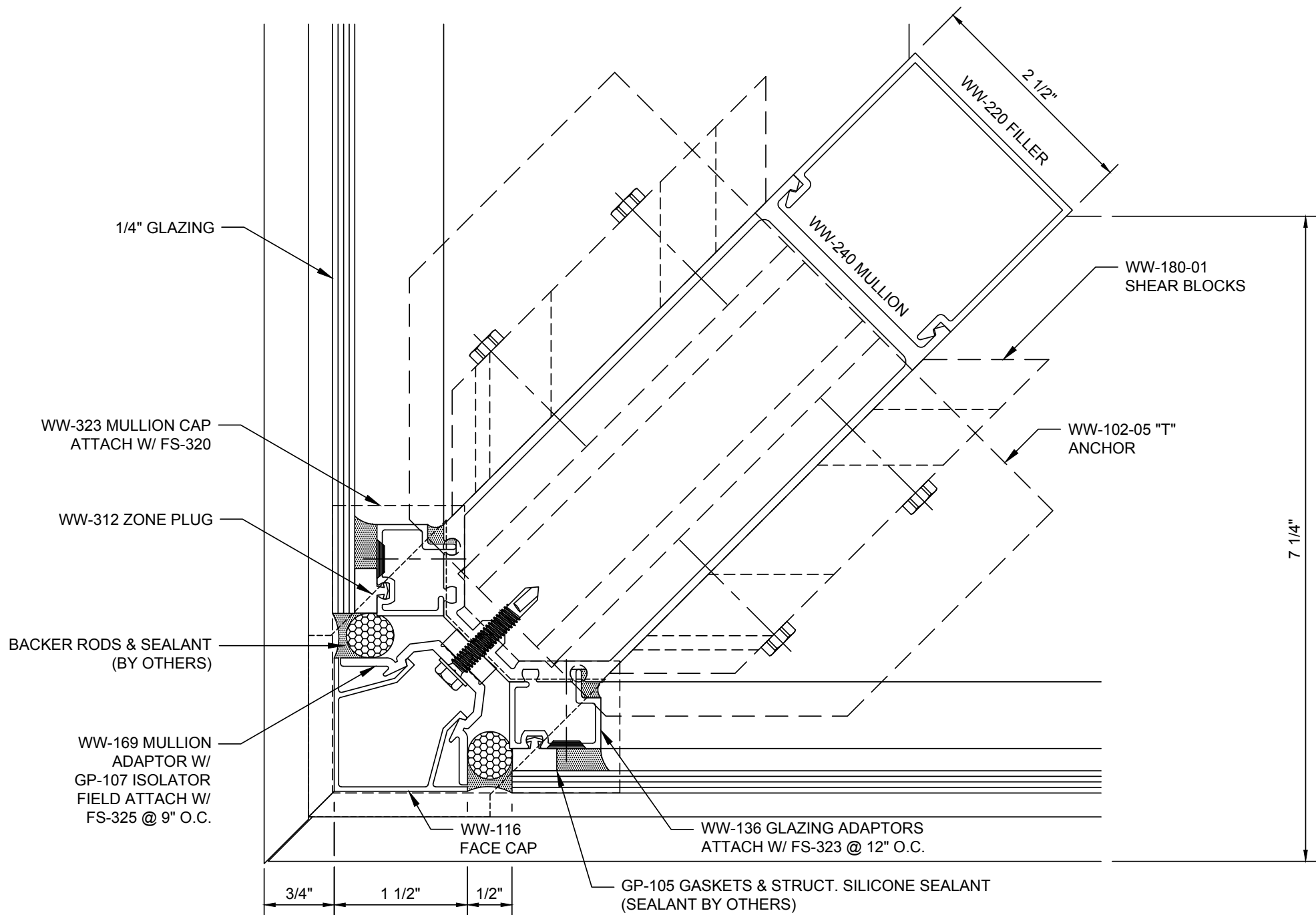
Reliance™ Curtain Wall

135° Inside Corner at Vision - V3427



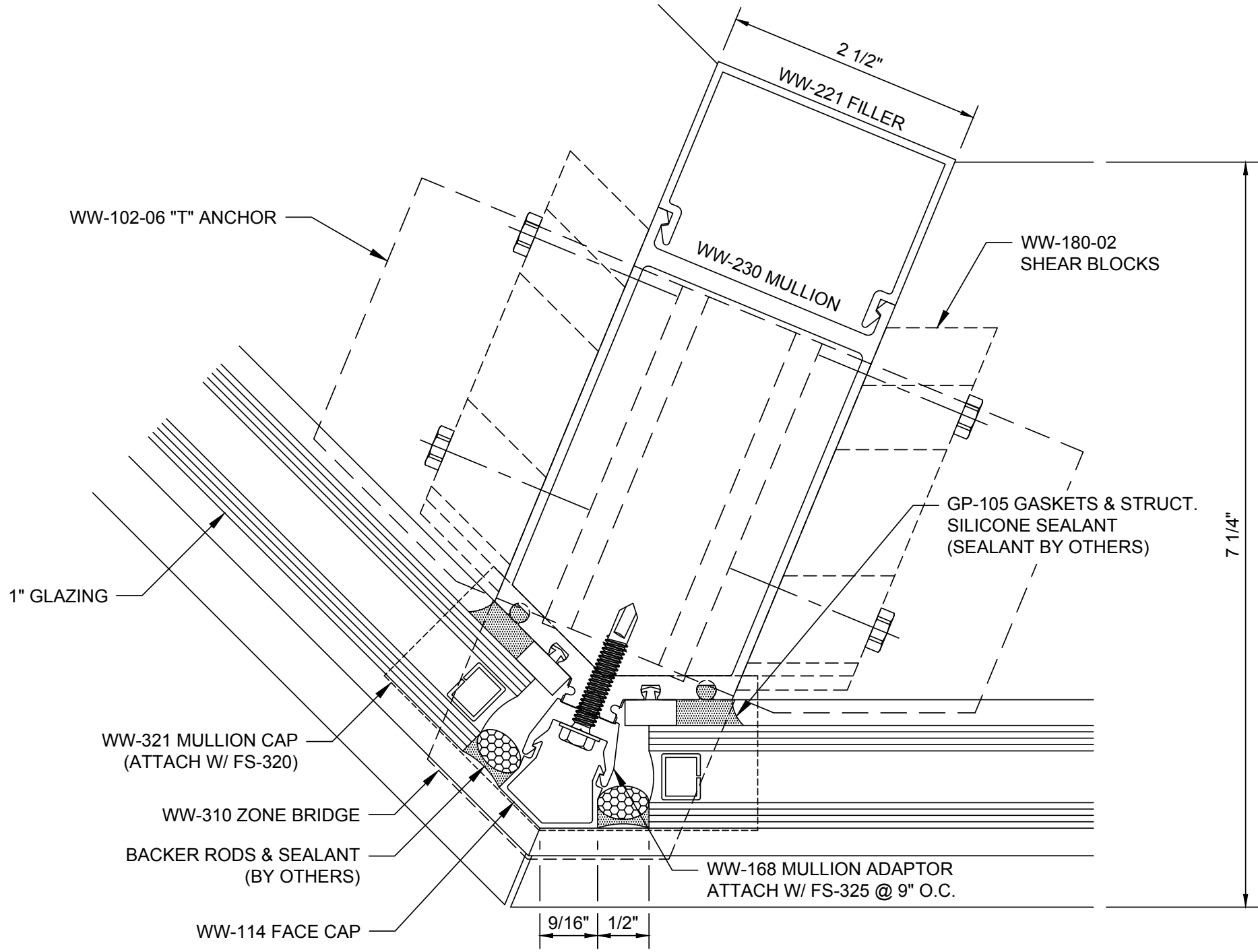
Reliance™ Curtain Wall

90° SSG Corner at Vision - V3471

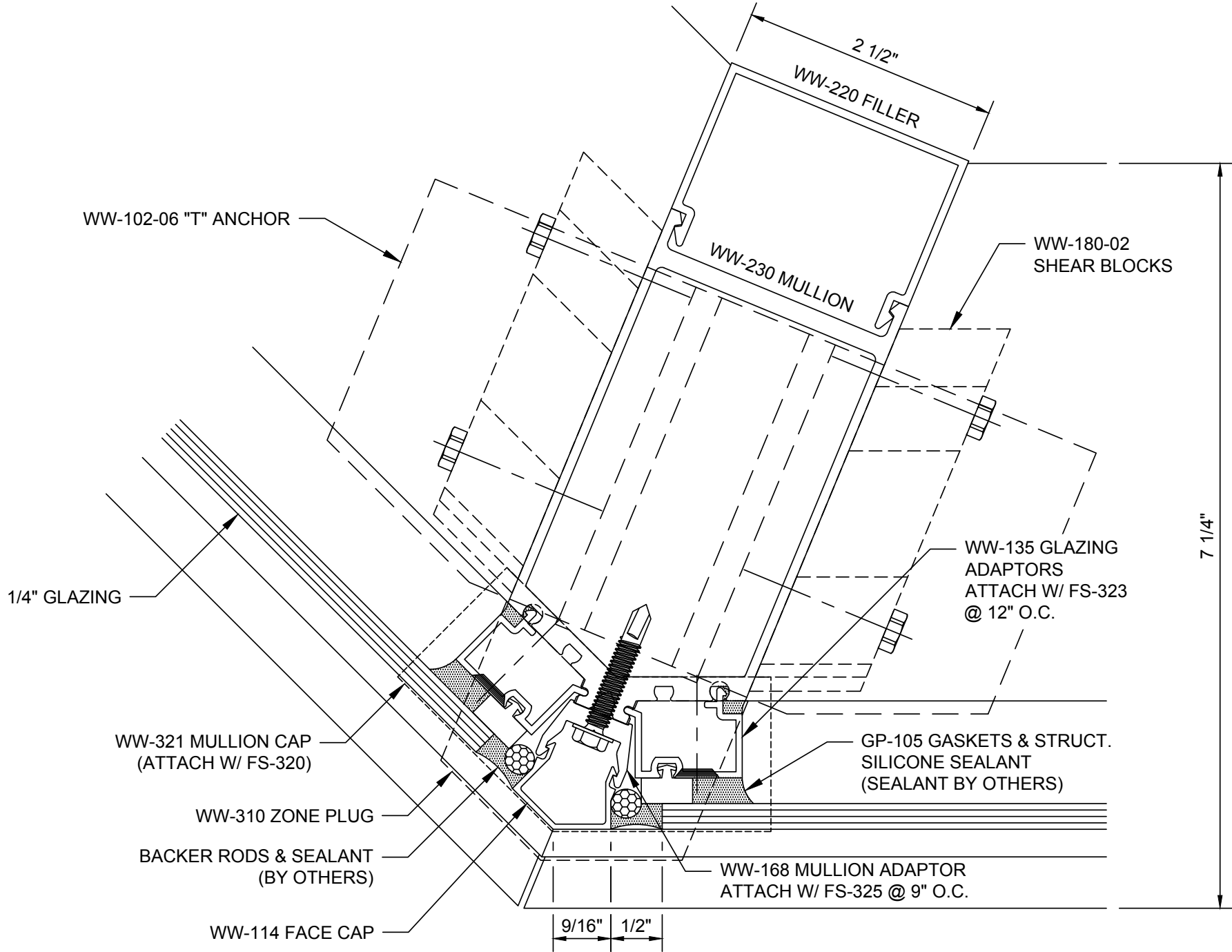


Reliance™ Curtain Wall

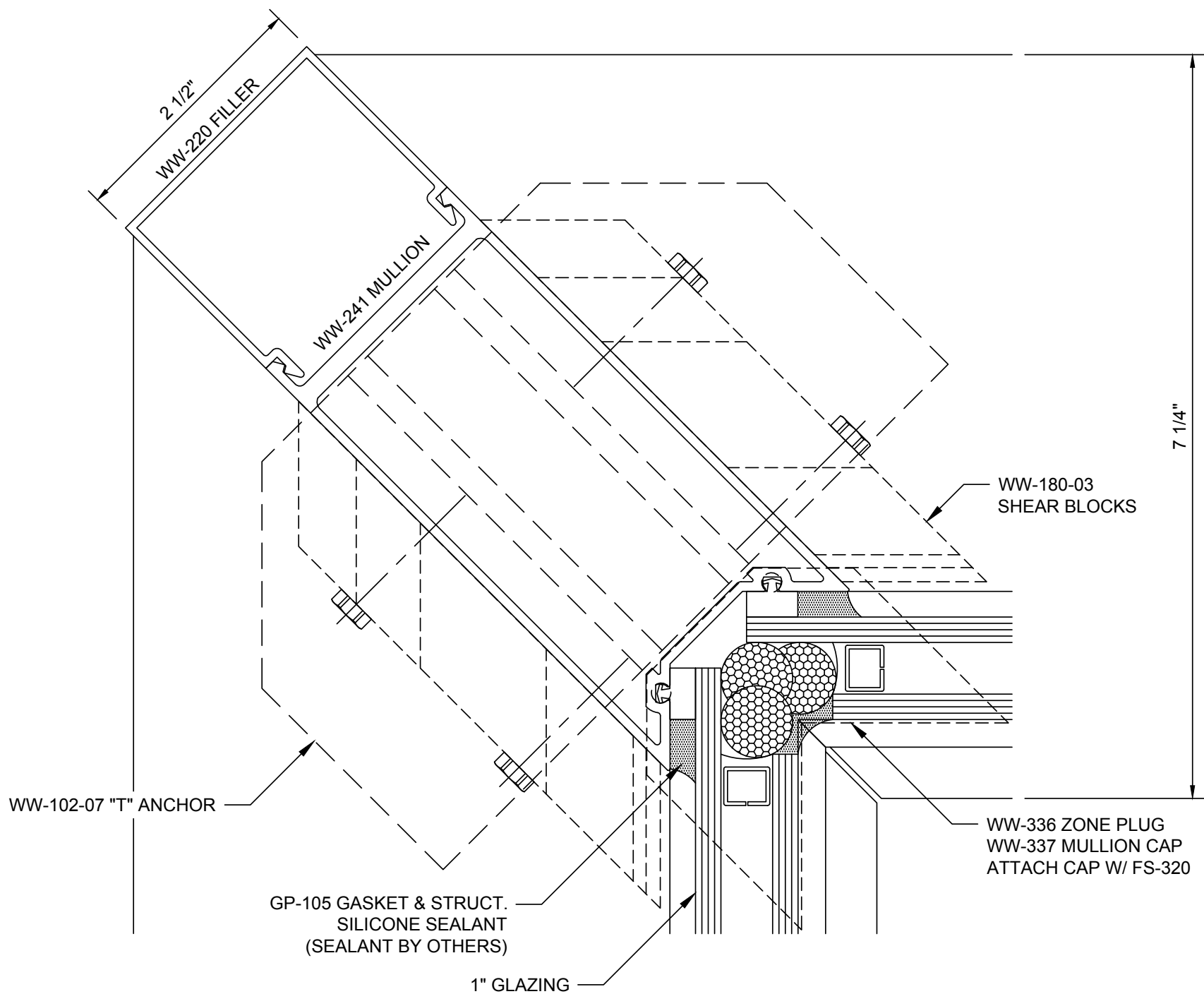
90° SSG Corner at Spandrel - V3472



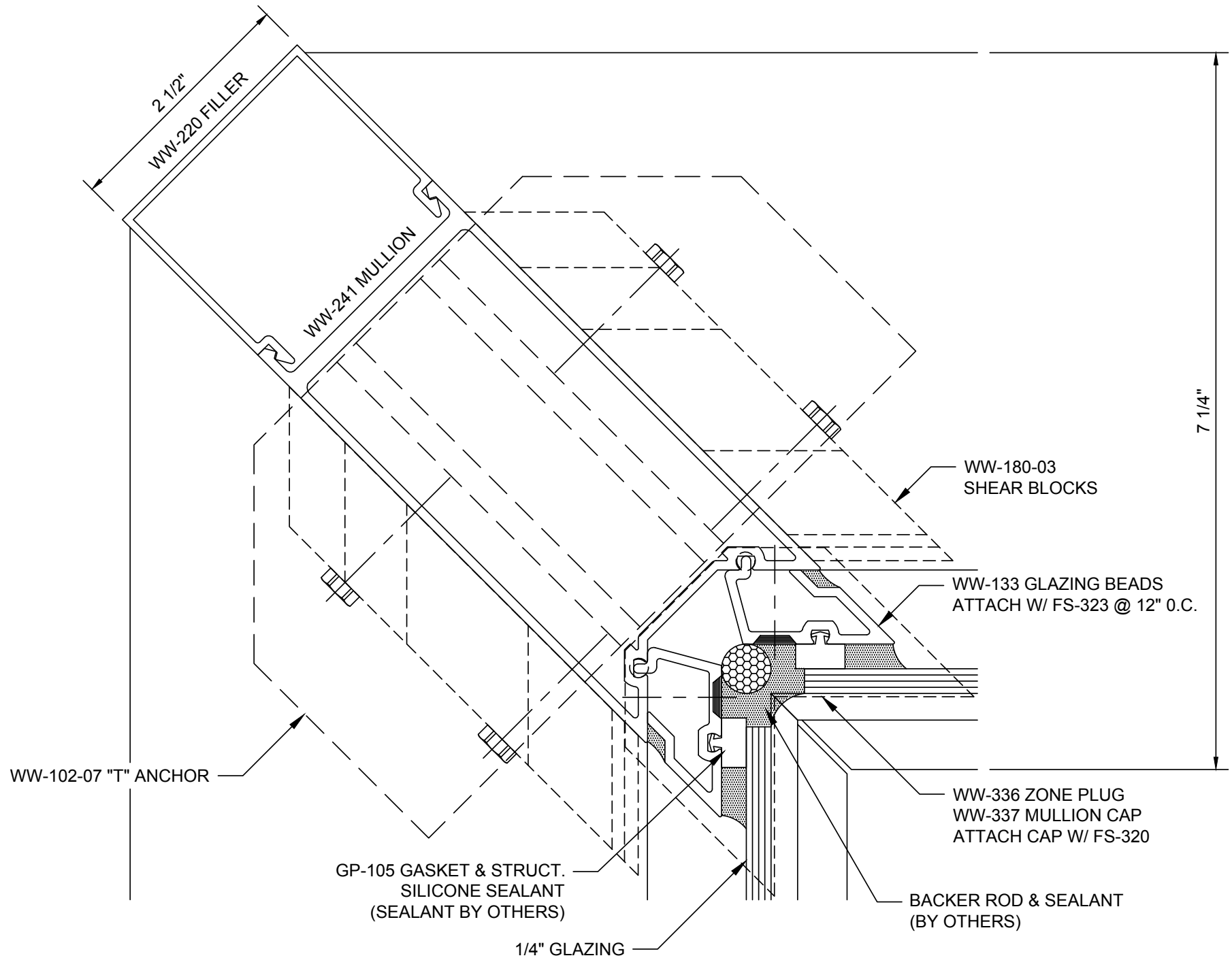
Reliance™ Curtain Wall
135° SSG Outside Corner at Vision - V3473



Reliance™ Curtain Wall 135° SSG Outside Corner at Spandrel - V3574



Reliance™ Curtain Wall
90° SSG Inside Corner at Vision - V3475

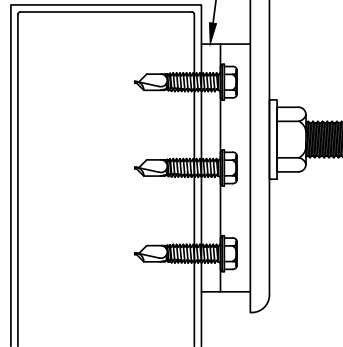


Reliance™ Curtain Wall
90° SSG Inside Corner at Spandrel - V3476

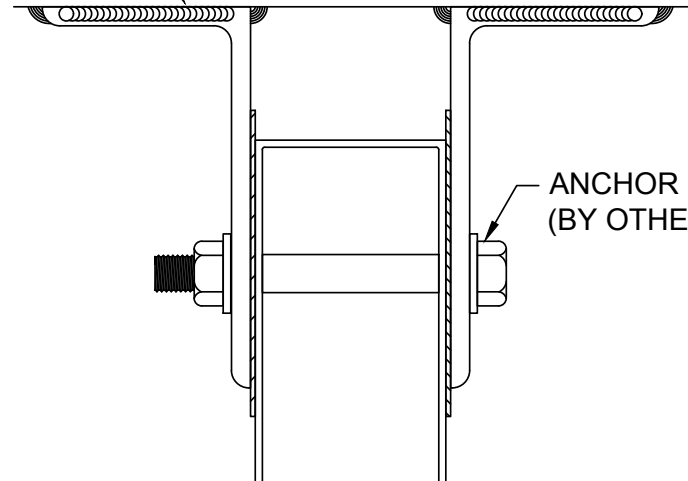
WELD AS REQUIRED BY INSTALLER

FLOOR SLAB OR BEAM

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



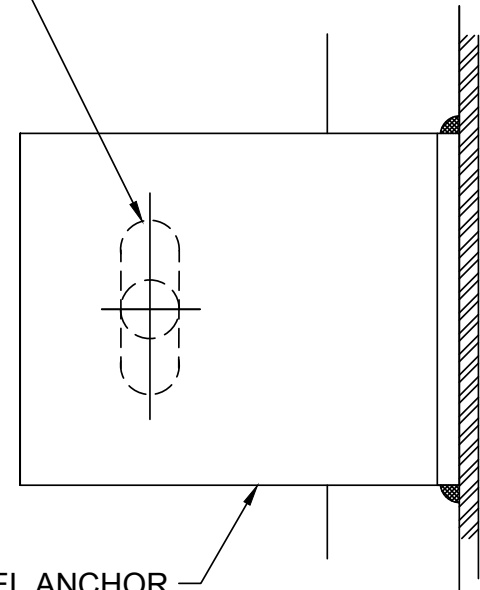
Plan View
Jamb Option



Plan View
Intermediate Mullion

ANCHOR BOLT
(BY OTHERS)

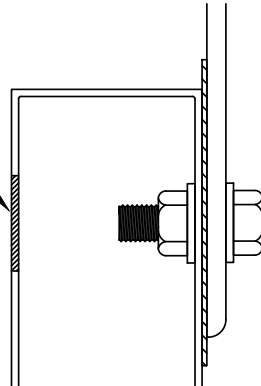
HOLE IN ANCHOR @ DEAD LOAD
SLOT IN ANCHOR @ WIND LOAD



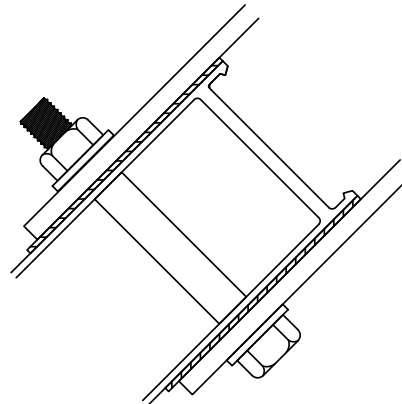
Side View

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

ACCESS HOLE

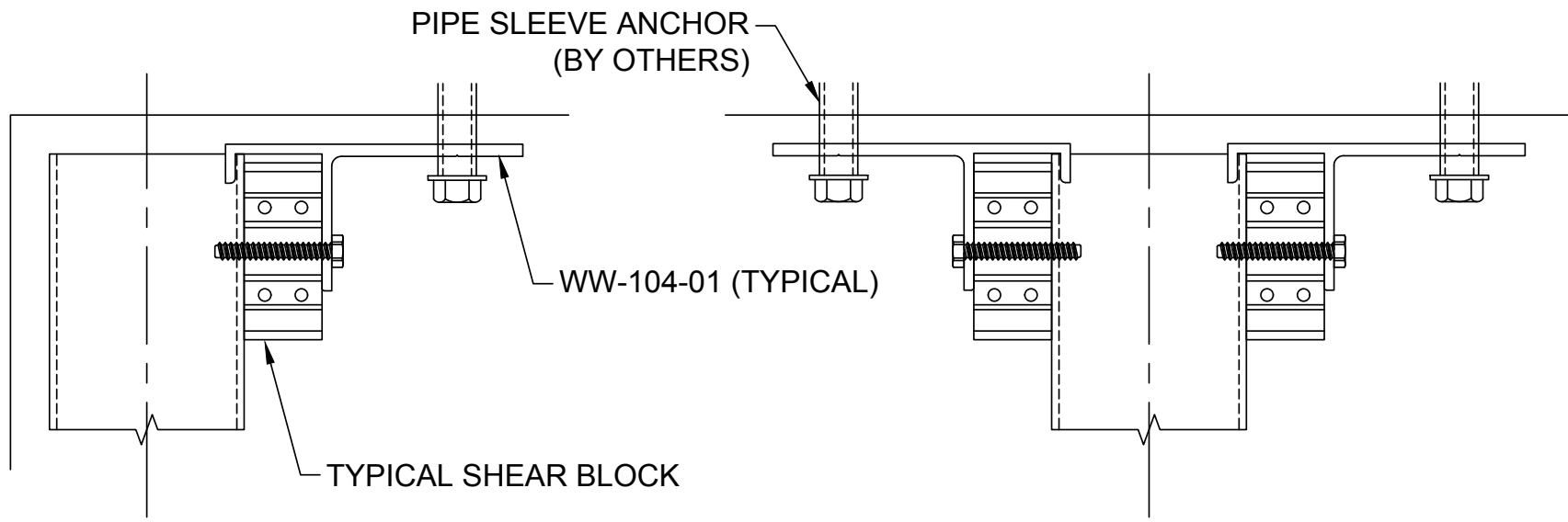


Plan View
Jamb Option



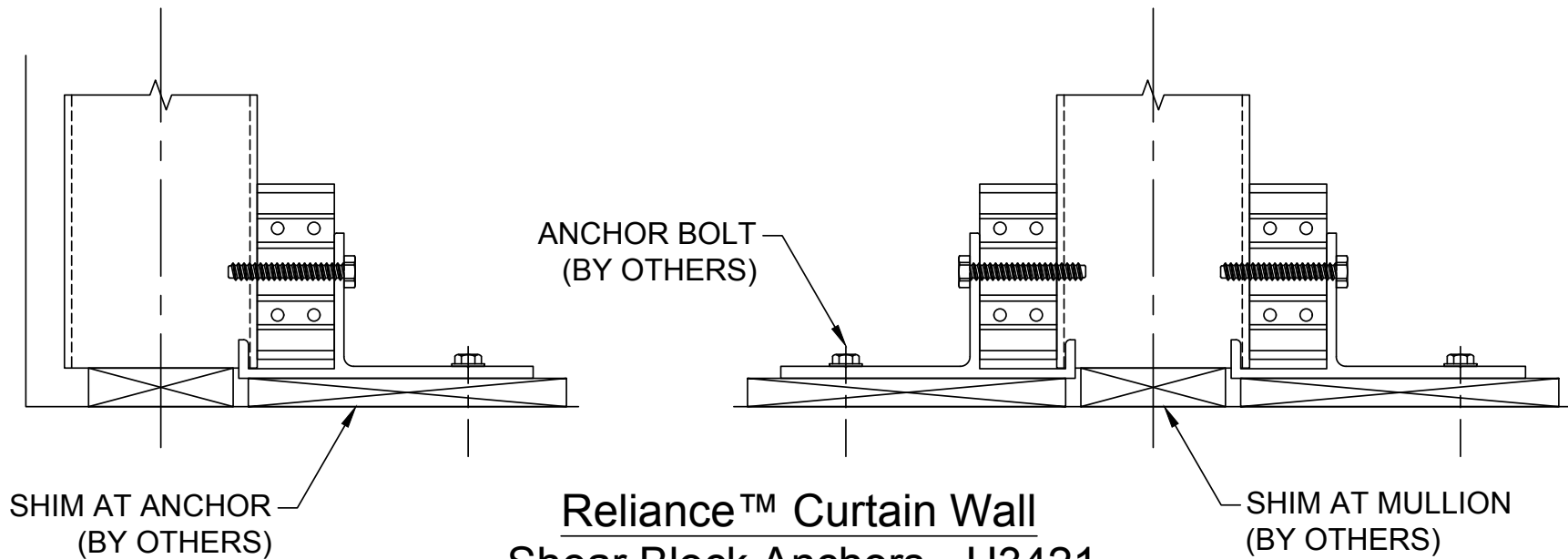
Plan View
Single Mull Corners

Standard Curtain Wall Steel Anchor - H0042

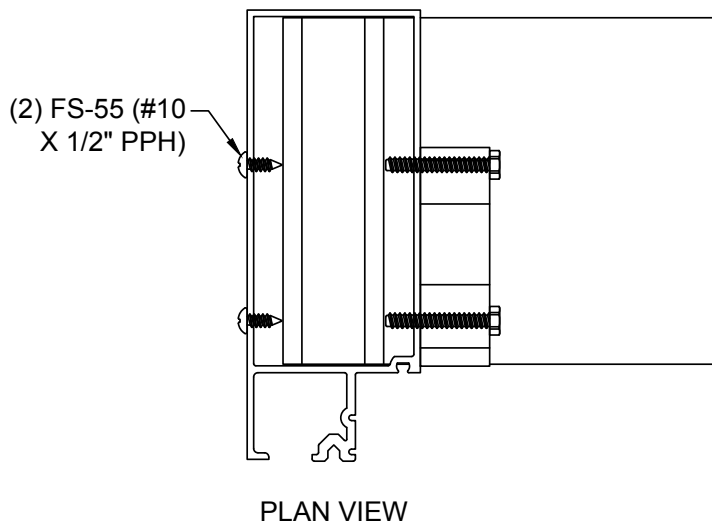
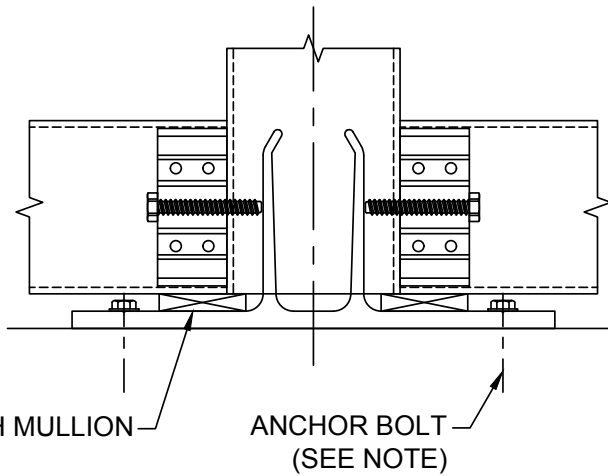
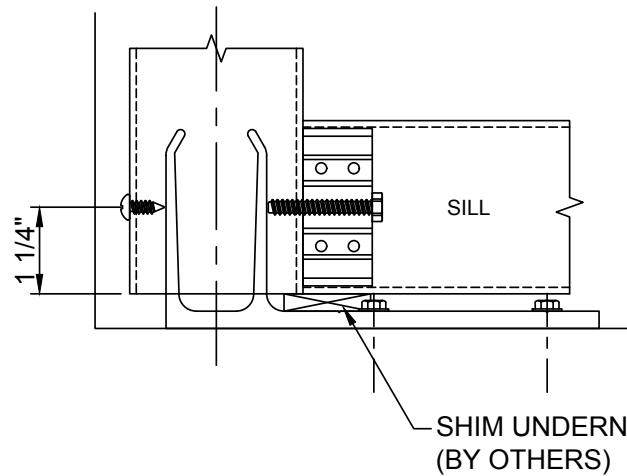
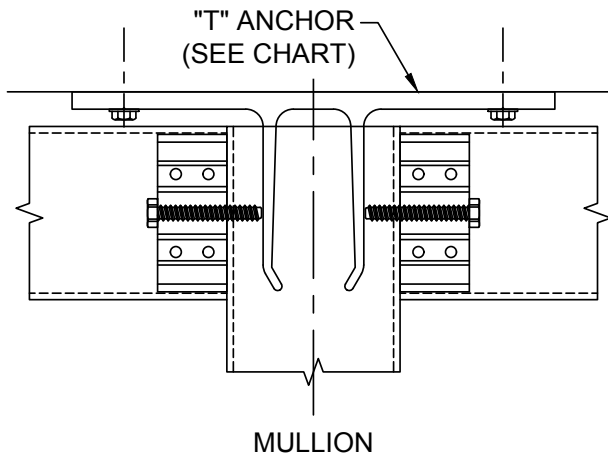
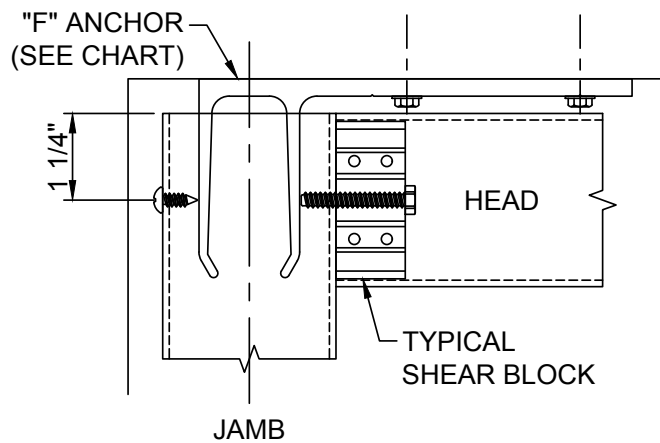


NOTE:

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**



NOTE:

1. ANCHOR BOLT SIZE AND LOCATION DETERMINED BY STRUCTURAL ENGINEER

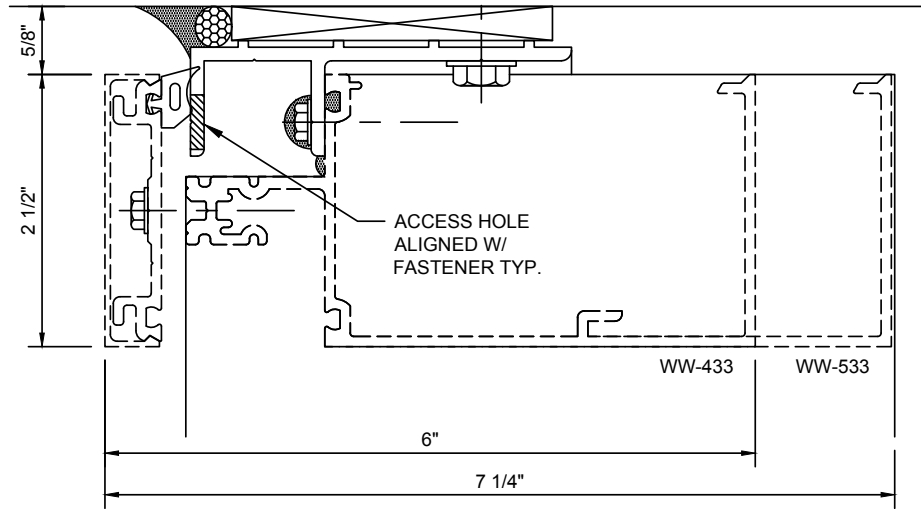
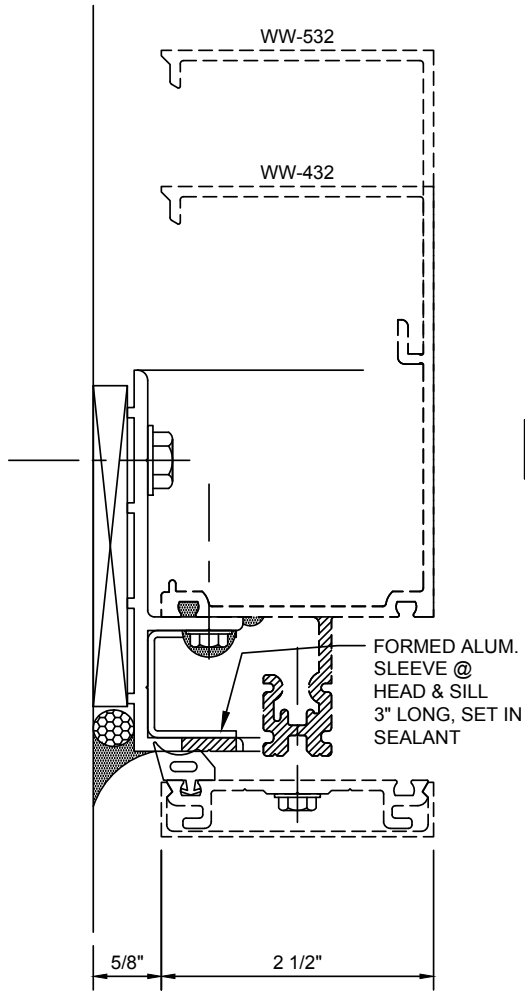
"F" ANCHOR CHART

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

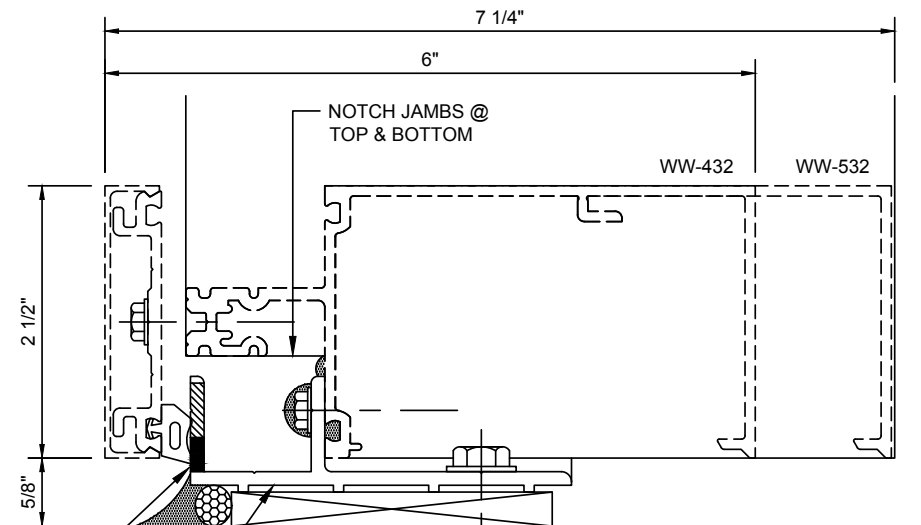
"T" ANCHOR CHART

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" Anchors - H3425



ALL STANDARD RELIANCE 1" SYSTEMS EXCEPT 10"

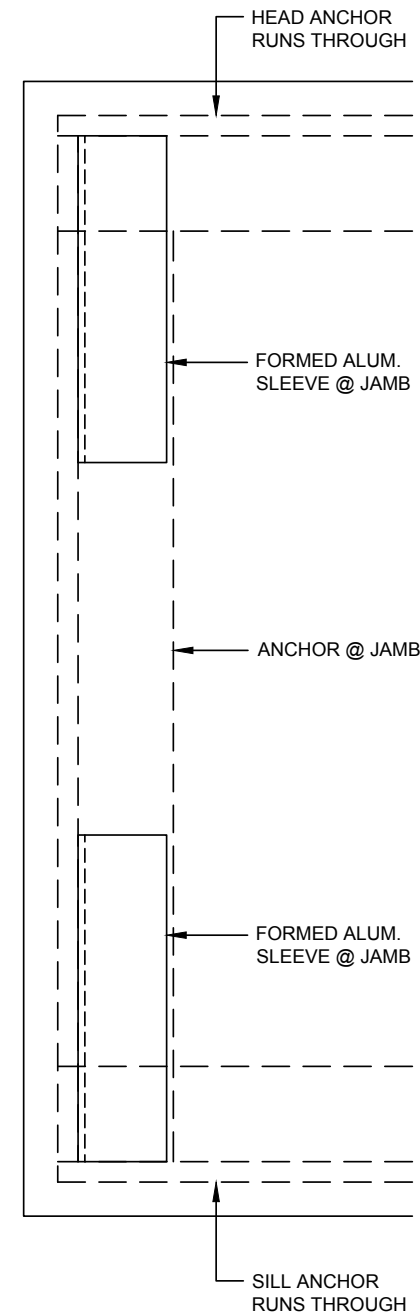


WEEP HOLES
(2) PER LITE

BACKER ROD & SEALANT
(BY OTHERS)
NOTE: DO NOT SEAL
OVER WEEP HOLES

WW-100 PERIMETER
ANCHOR SET IN SEALANT
ATTACH W/ FS-325 @ 12"
O.C. AND CAP SEAL (TYP.)

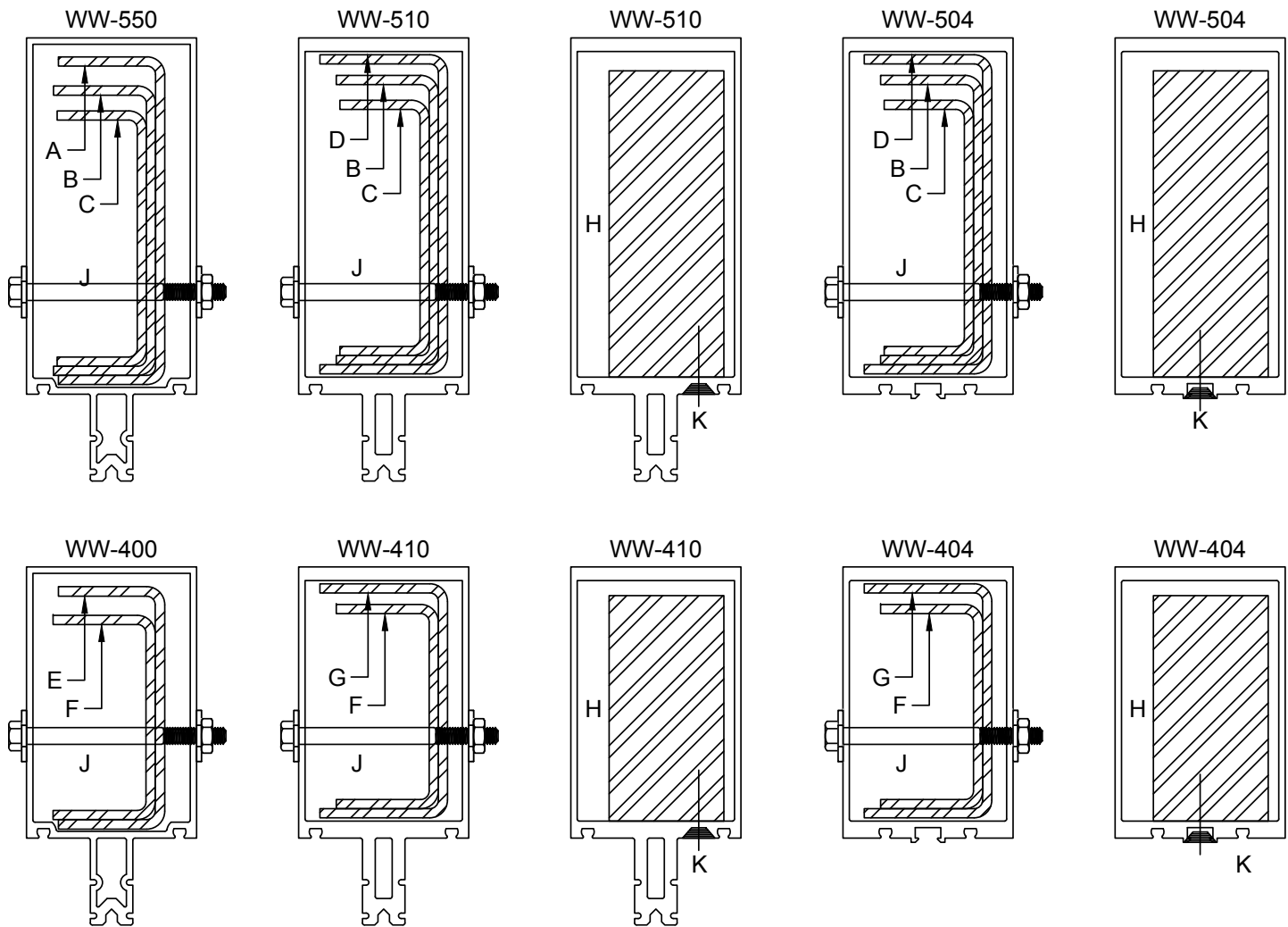
Reliance™ Curtain Wall Perimeter Anchor - H3429



FRONT VIEW

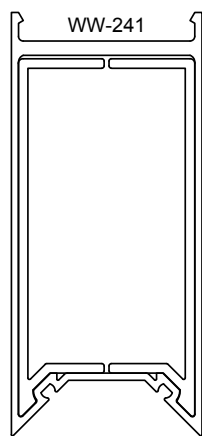
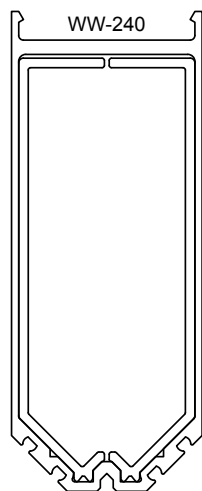
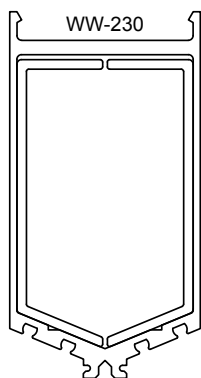
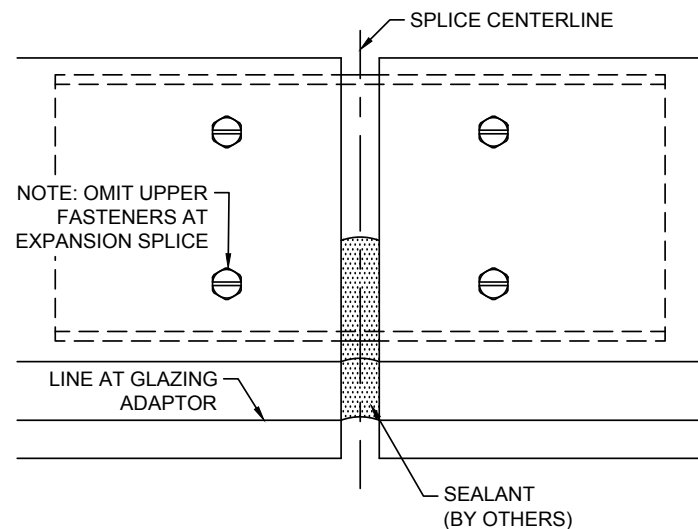
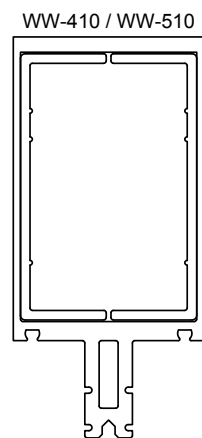
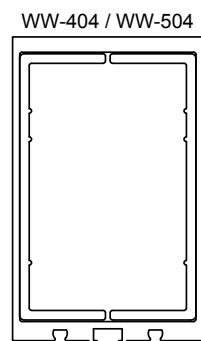
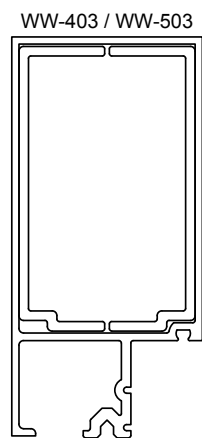
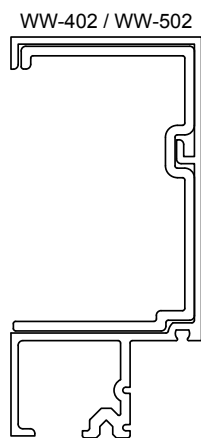
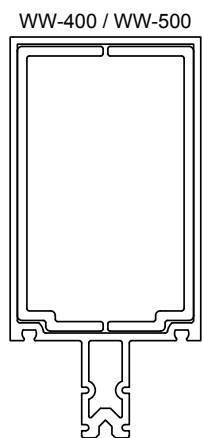
SEE APPROVED SHOP DRAWINGS FOR SPECIFIC REQUIREMENTS.

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 1/4"-20 HEX NUT & WASHERS
K	FS-259 (1/4"-20 X 1" PFH)

Reliance™ Curtain Wall Steel Reinforcement - H3430

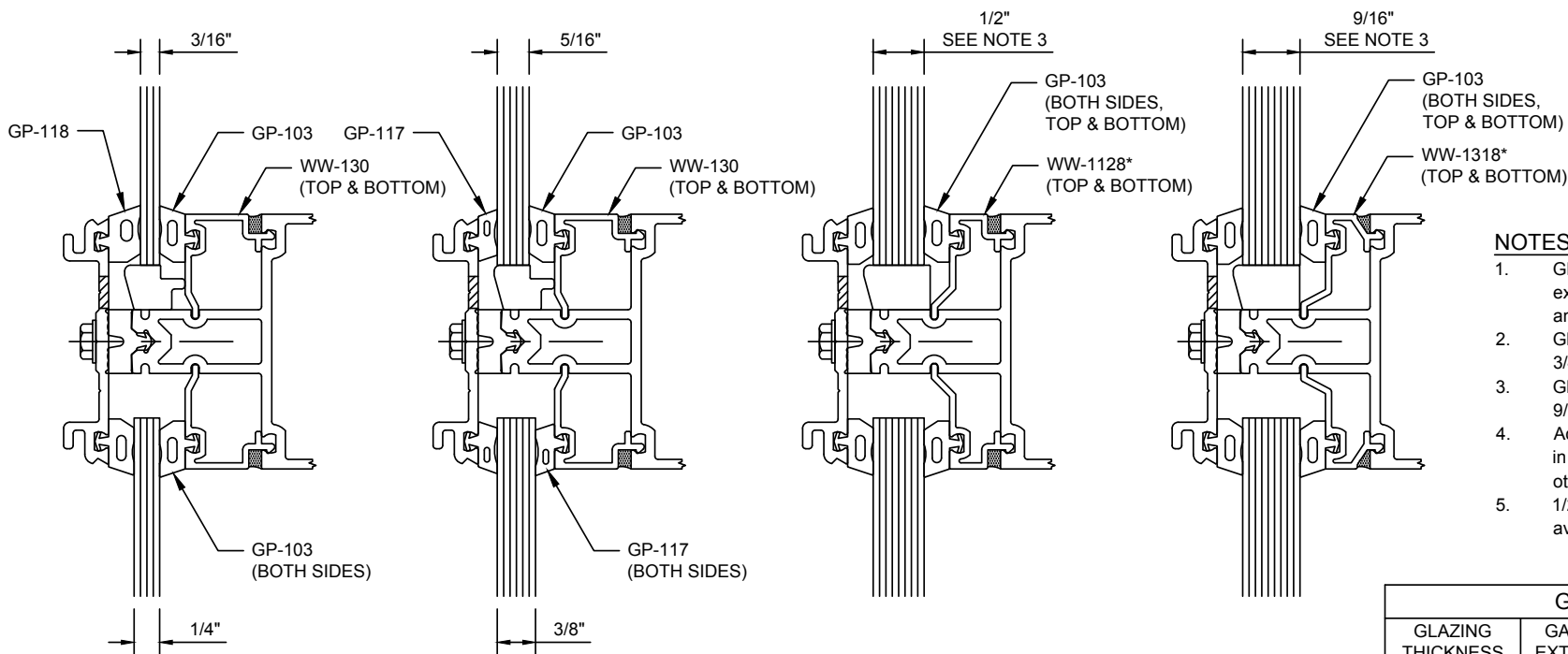


6" SYSTEM DEPTH	
MULLION	SPLICE
WW-400	WW-193-01
WW-402	WW-293-01
WW-403	WW-193-01
WW-404	WW-192-01
WW-410	WW-192-01
WW-230	WW-190-01
WW-240	WW-191-01
WW-241	WW-202-01

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 Splice - H3443



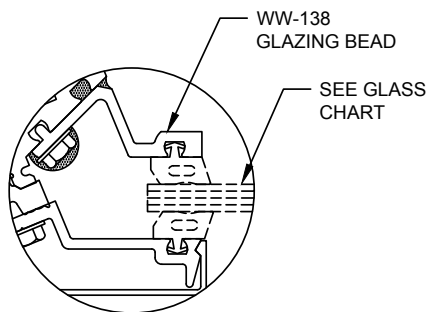
NOTES:

1. GP-110 setting block typical, except for GP-126 at 1/2" and 9/16" glazing.
2. Glass pocket with adaptor = 3/4" unless noted otherwise.
3. Glass pocket 1" at 1/2" and 9/16" glazing.
4. Adaptors/glazing beads set in sealant (sealant by others).
5. 1/2" and 9/16" glazing not available at inside corners.

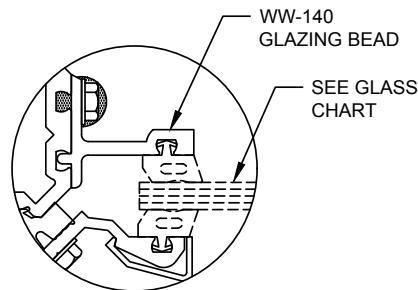
NOTE: 135° SINGLE CORNER OPTIONS UNAVAILABLE ON 10" SYSTEM

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

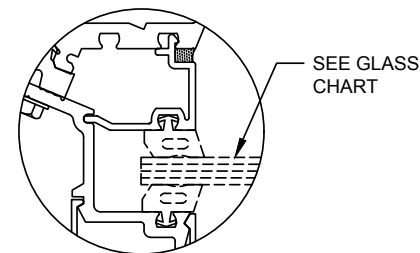
*Non-stock item



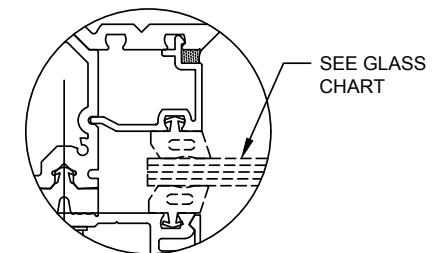
135° INSIDE CORNER
(SEE NOTE 5)



90° INSIDE CORNER
(SEE NOTE 5)

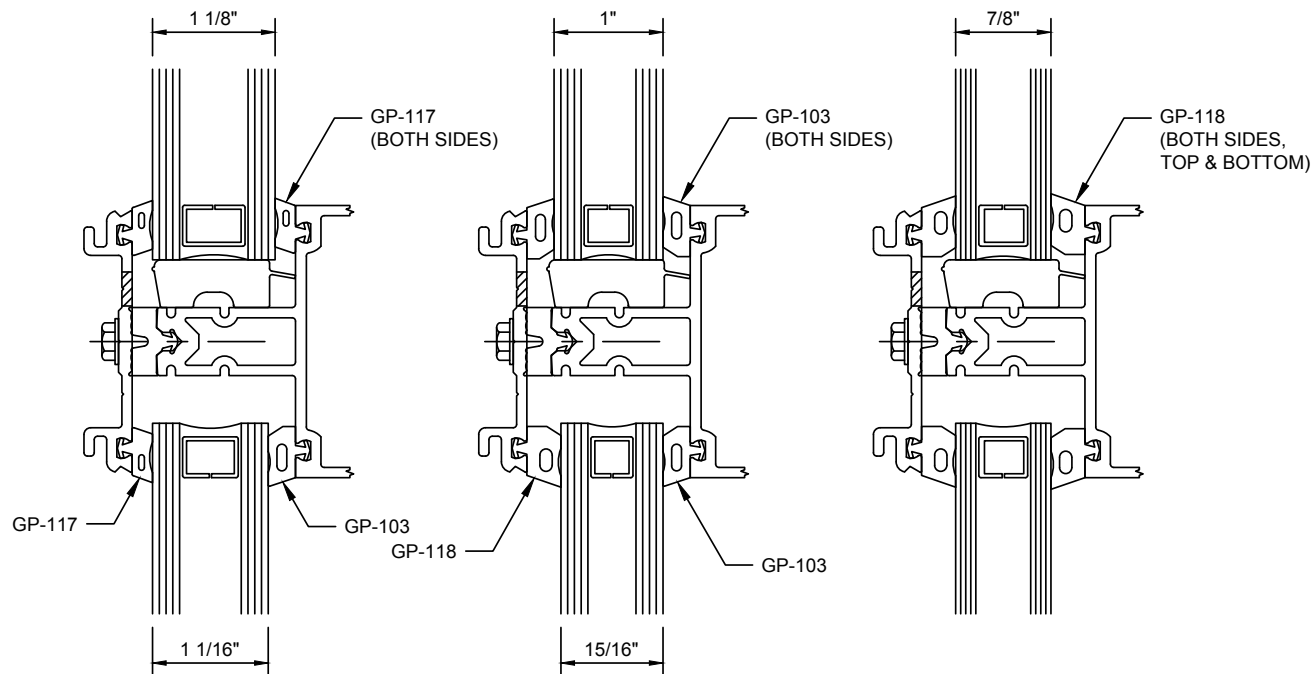


135° OUTSIDE CORNER



90° OUTSIDE CORNER

Reliance™ Curtain Wall Glazing Adaptors & Spandrel Options - H3446

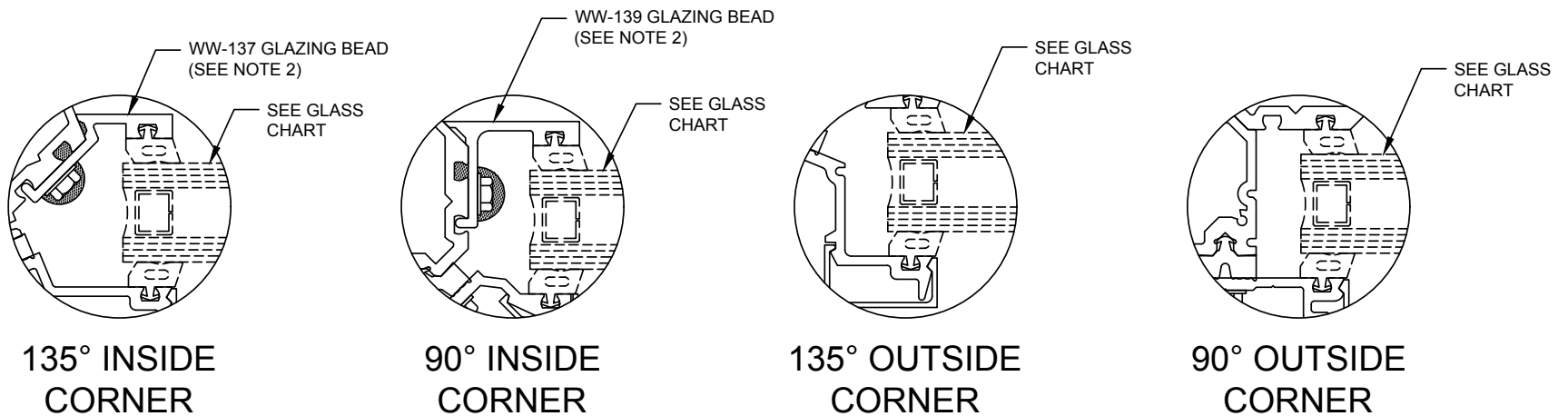


NOTE: 135° SINGLE MULL CORNER OPTIONS UNAVAILABLE ON 10" SYSTEM

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. Glass Pocket = 1-1/2" (Typical)
2. Glazing beads set in sealant (sealant by others)



Reliance™ Curtain Wall Vision Glass Options - H3448