

Oldcastle BuildingEnvelope®

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Reliance™ Curtain Wall 2-1/2" X 7-1/4" w/ 1" Typical Infill - Table of Contents

Elevation

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H3409	Roll-Under Horizontal
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H3411	Expansion Horizontal - Typical
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H3419	Flat Frame Operable Window

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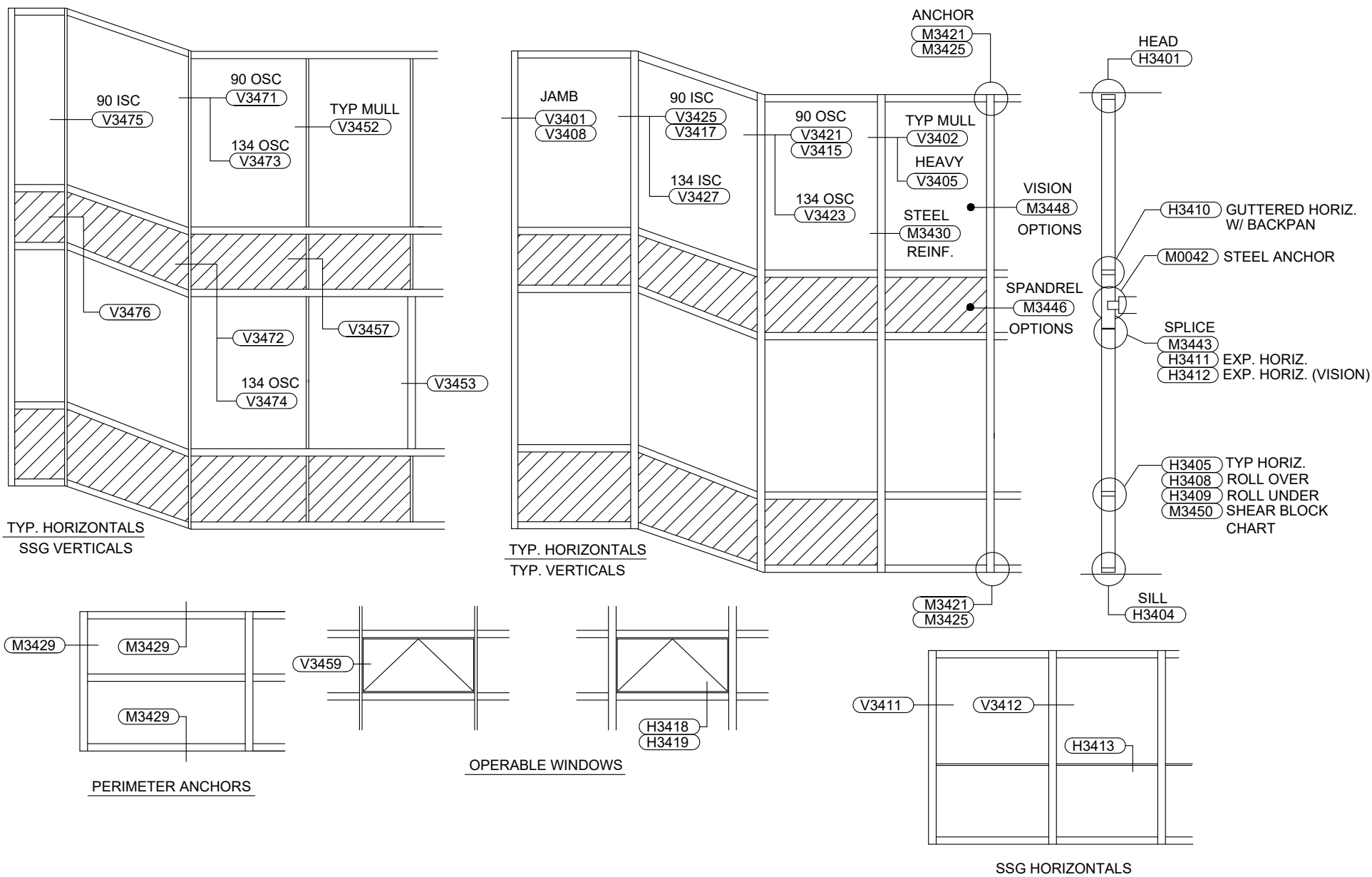
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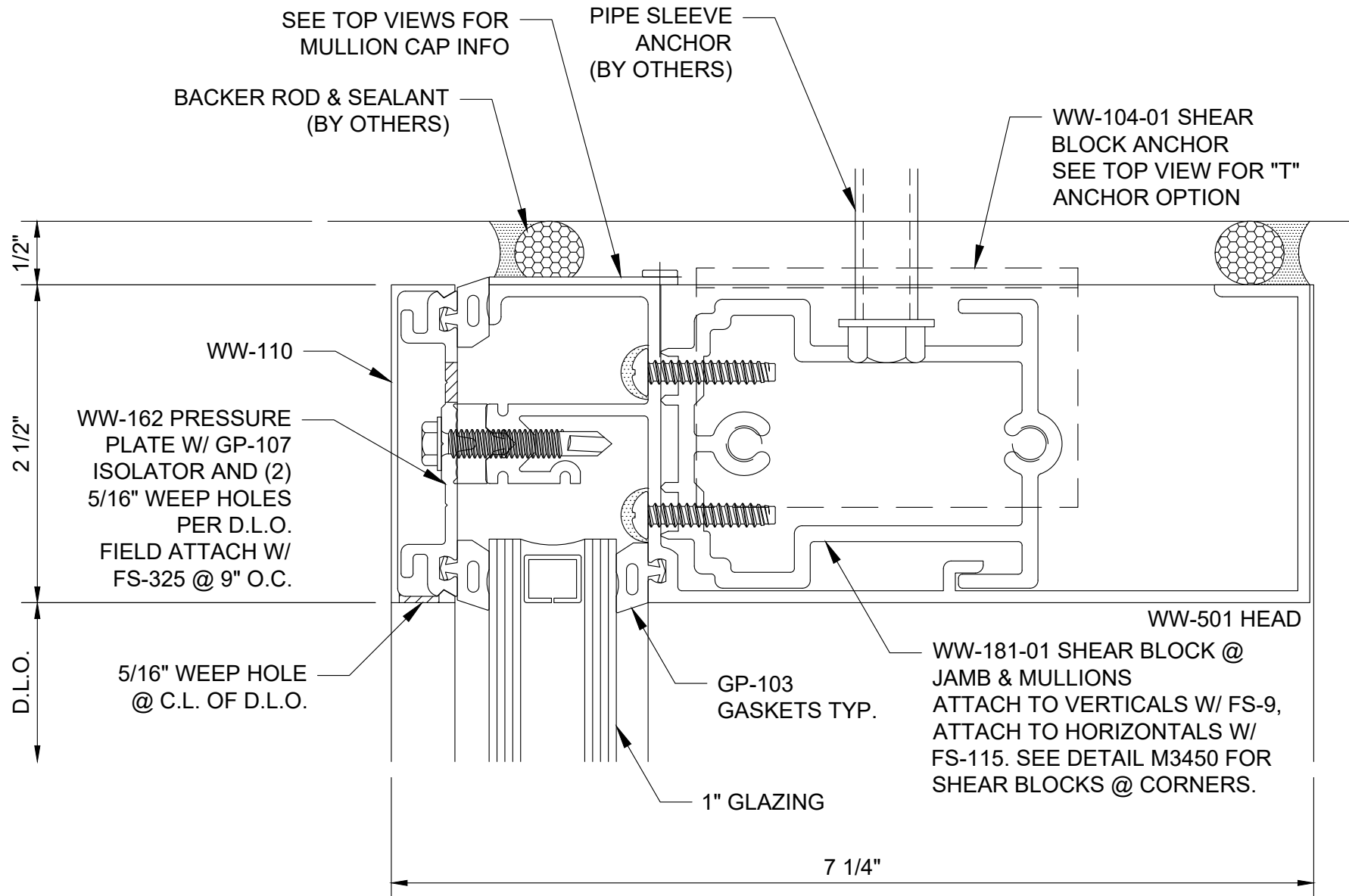
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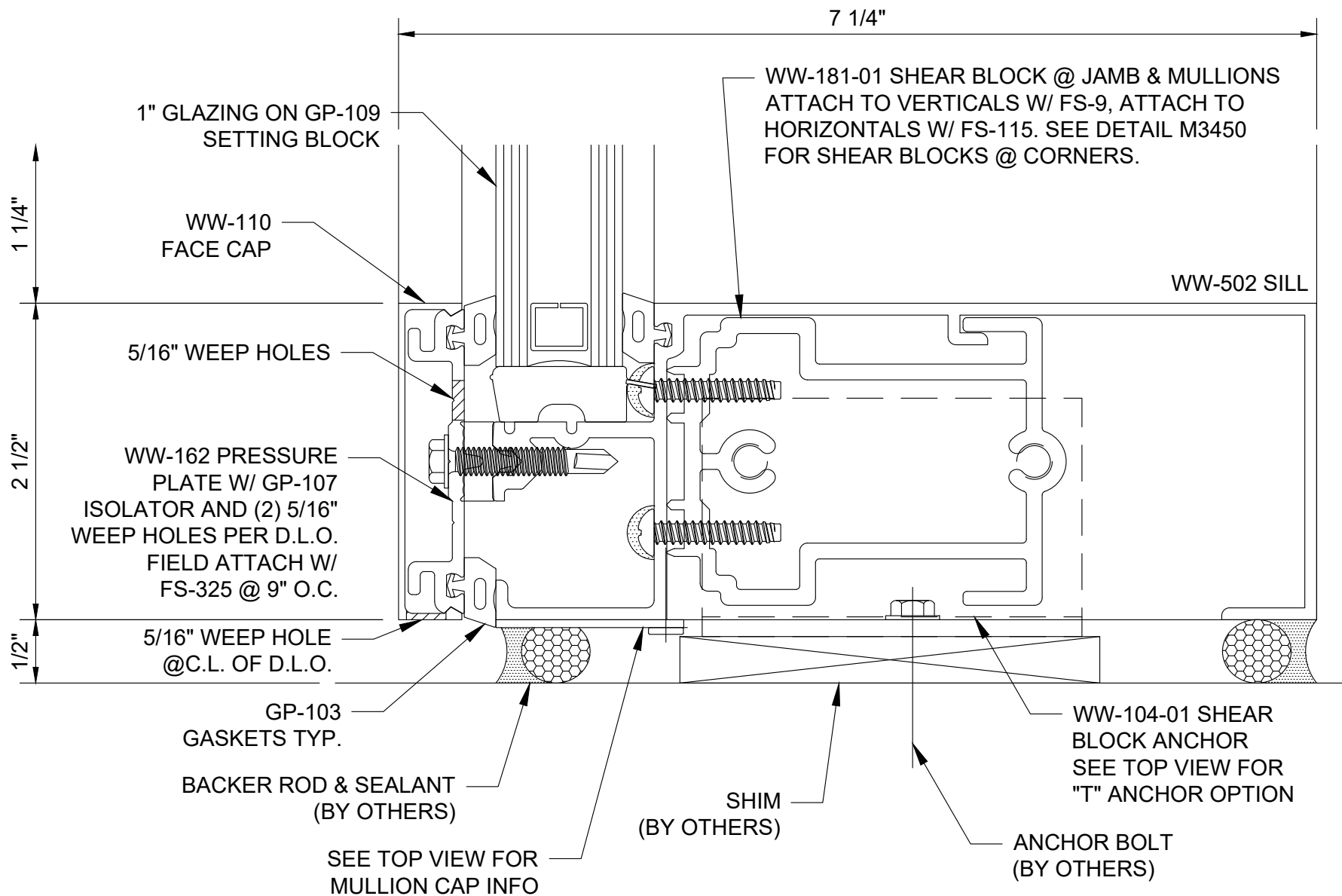
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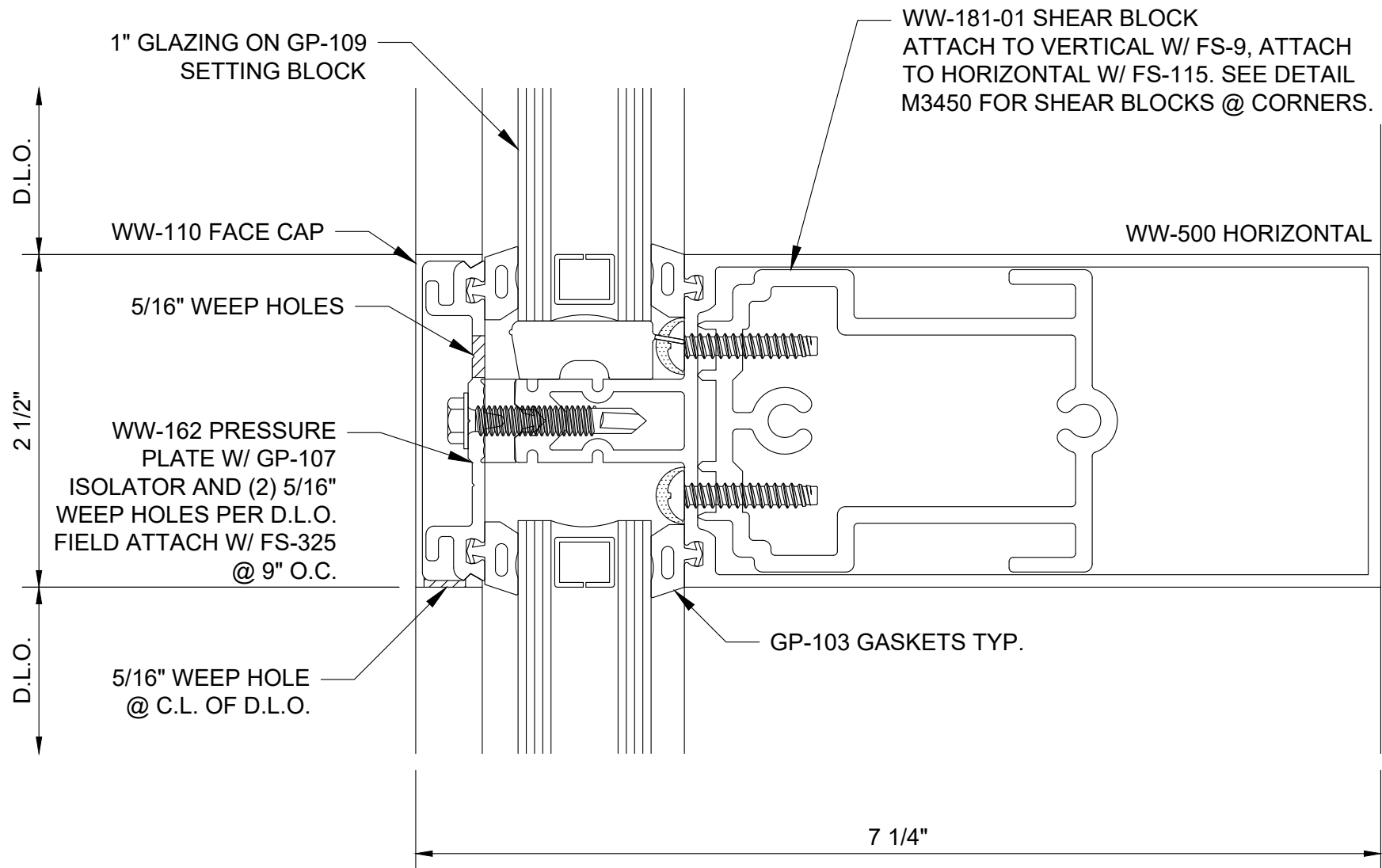
Reliance™ Curtain Wall 2-1/2" x 7-1/4" w/ 1" Typical Infill - Elevation



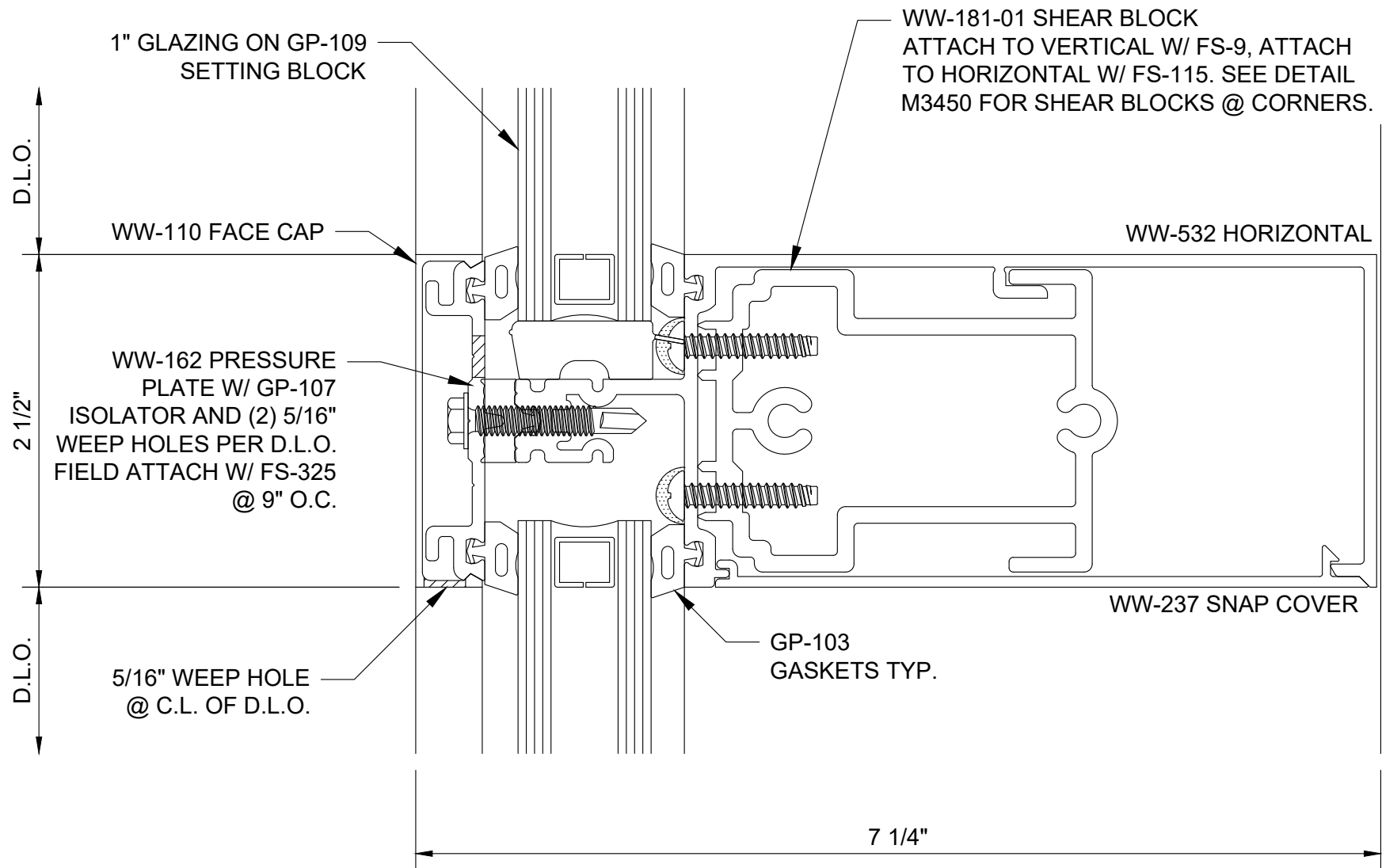
Reliance™ Curtain Wall Head - H3401



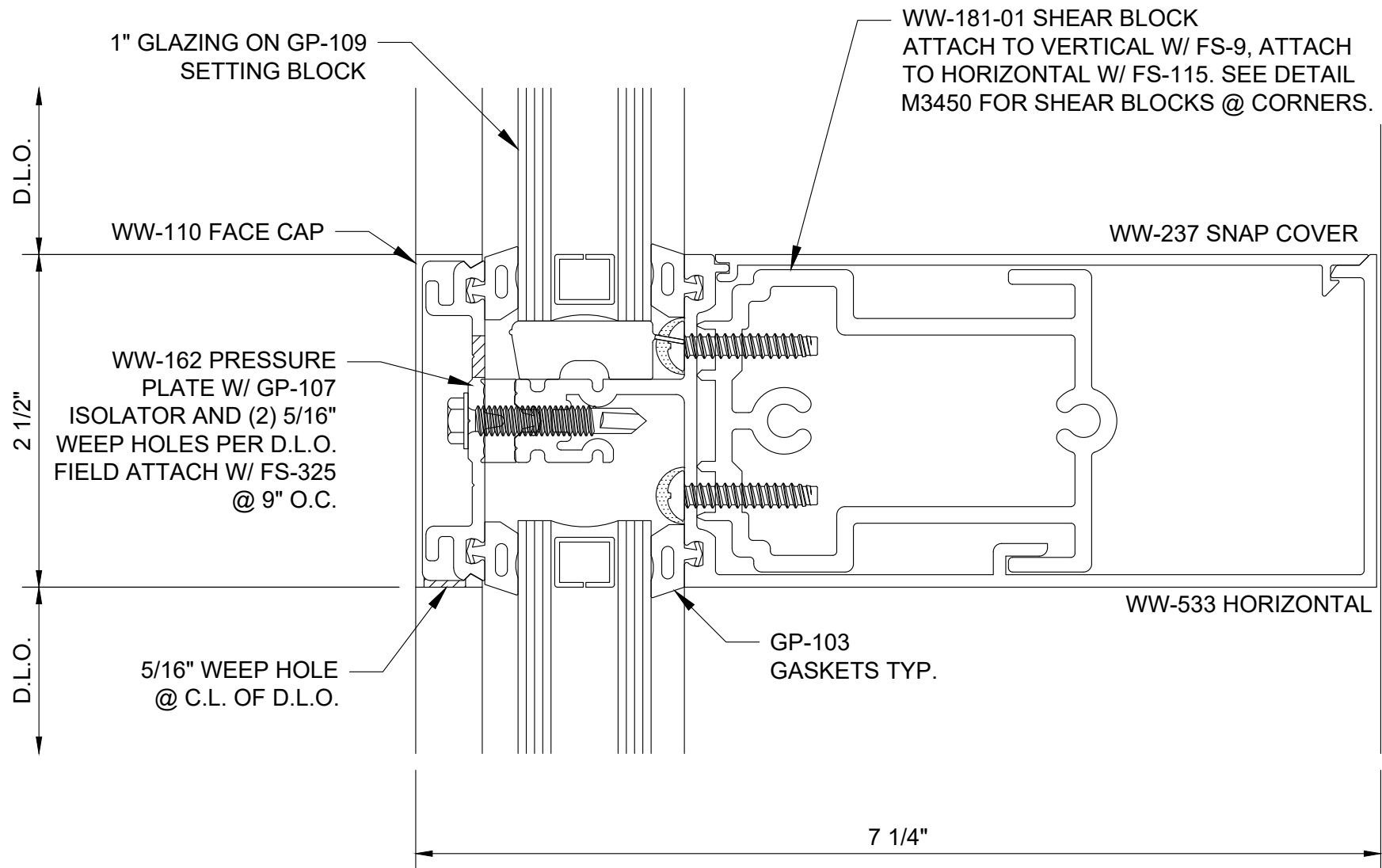
Reliance™ Curtain Wall Sill - H3404



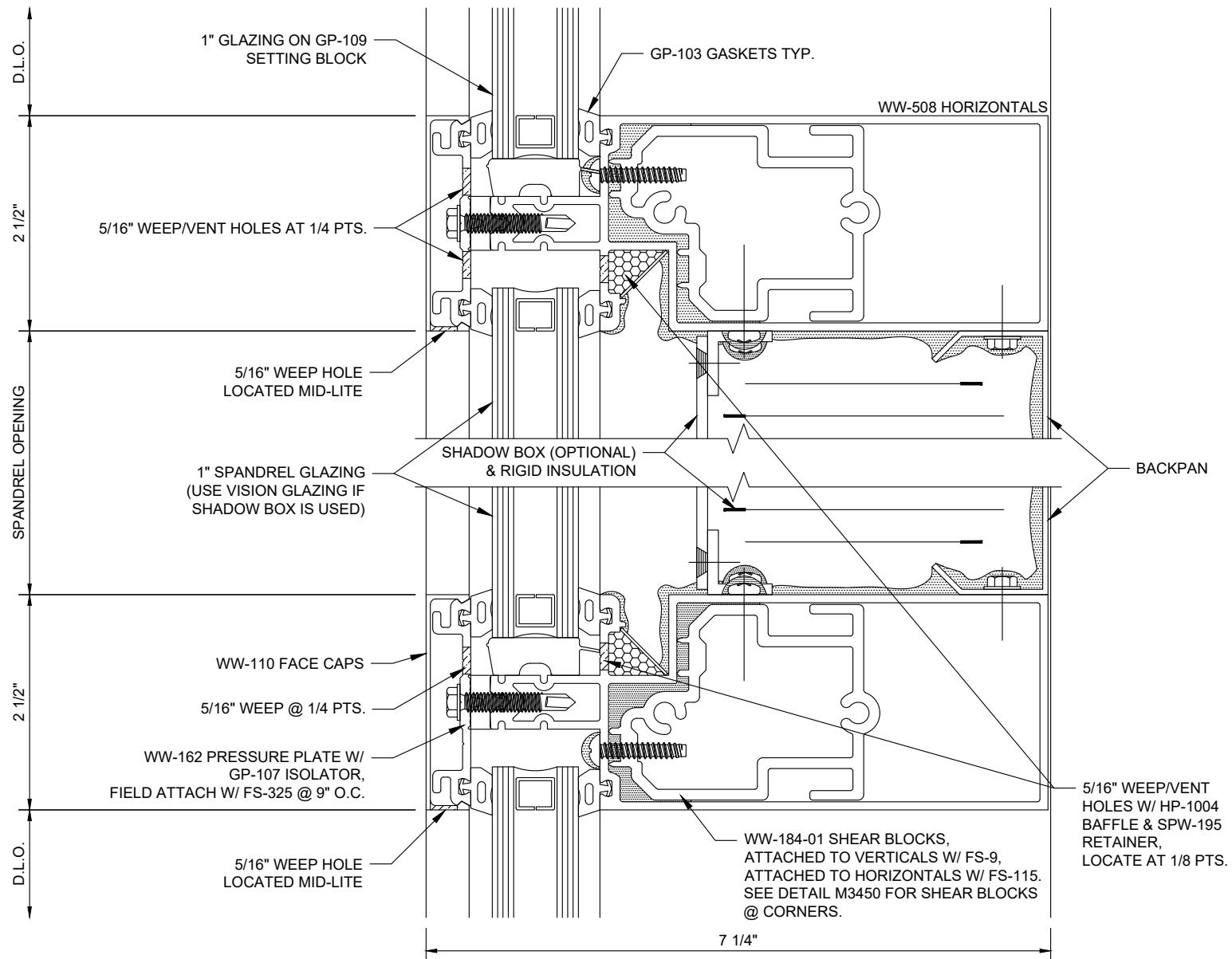
Reliance™ Curtain Wall Intermediate Horizontal - H3405



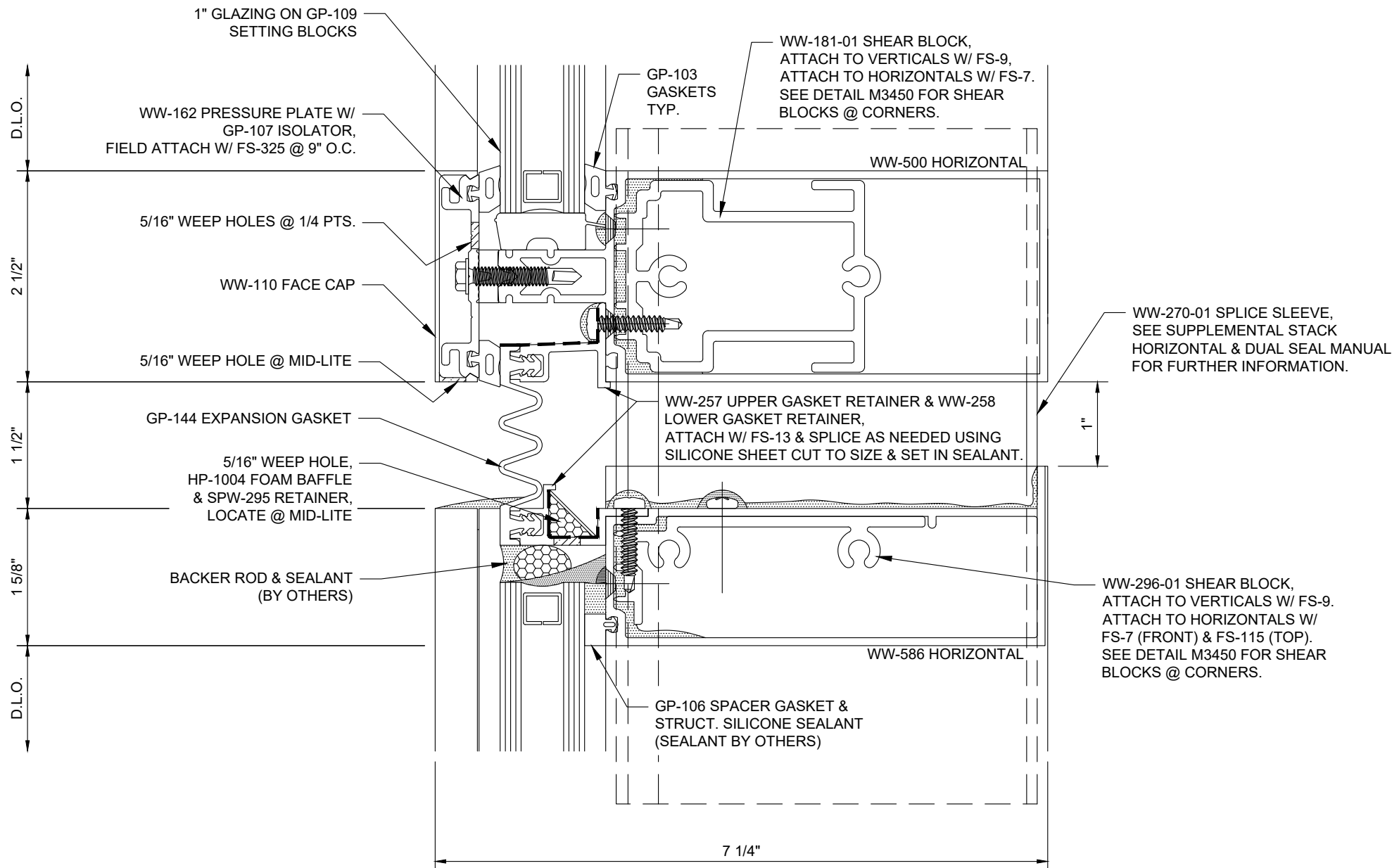
Reliance™ Curtain Wall Roll-over Horizontal - H3408



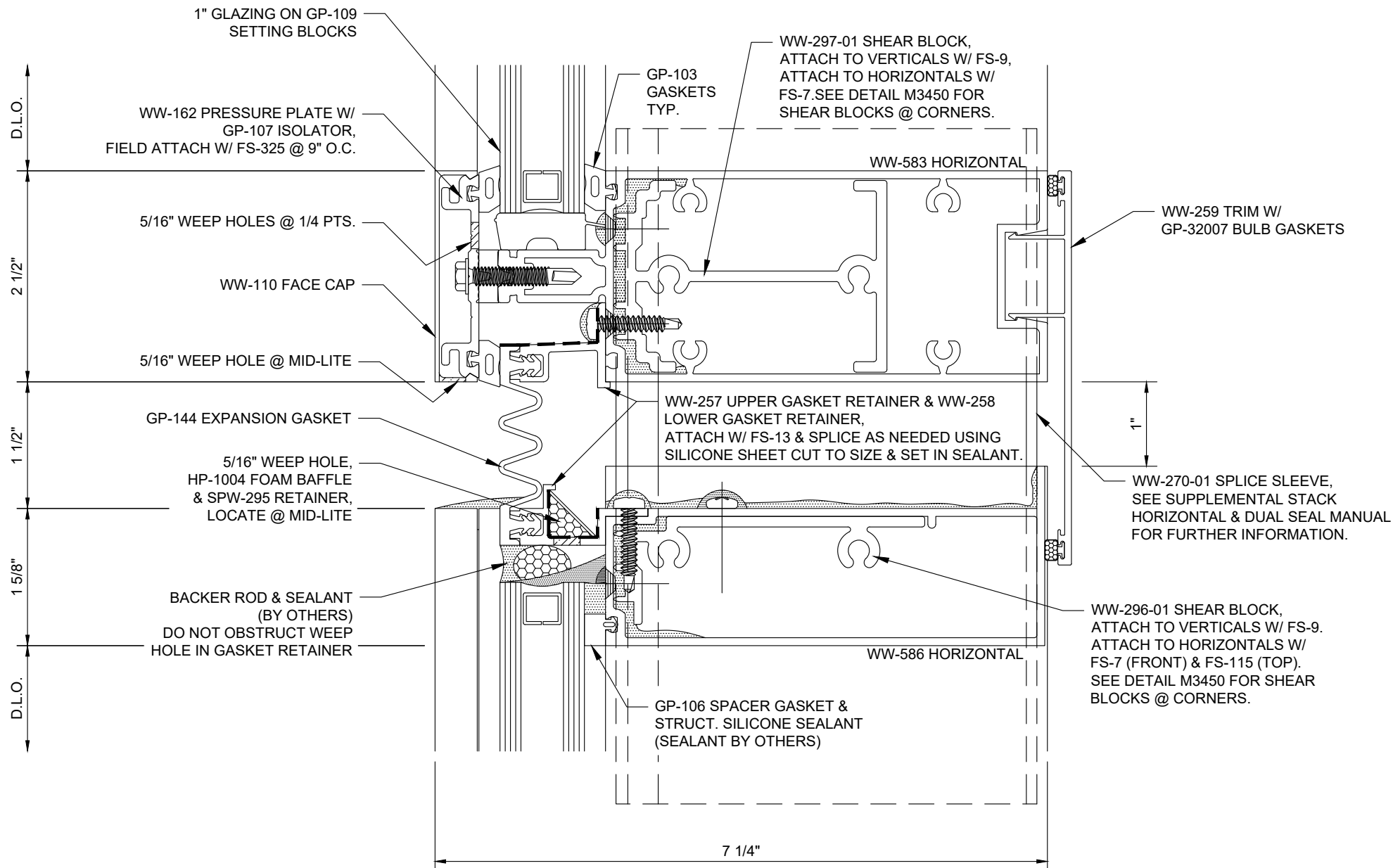
Reliance™ Curtain Wall Roll-under Horizontal - H3409



Reliance™ Curtain Wall Guttered Horizontals and Backpan - H3410

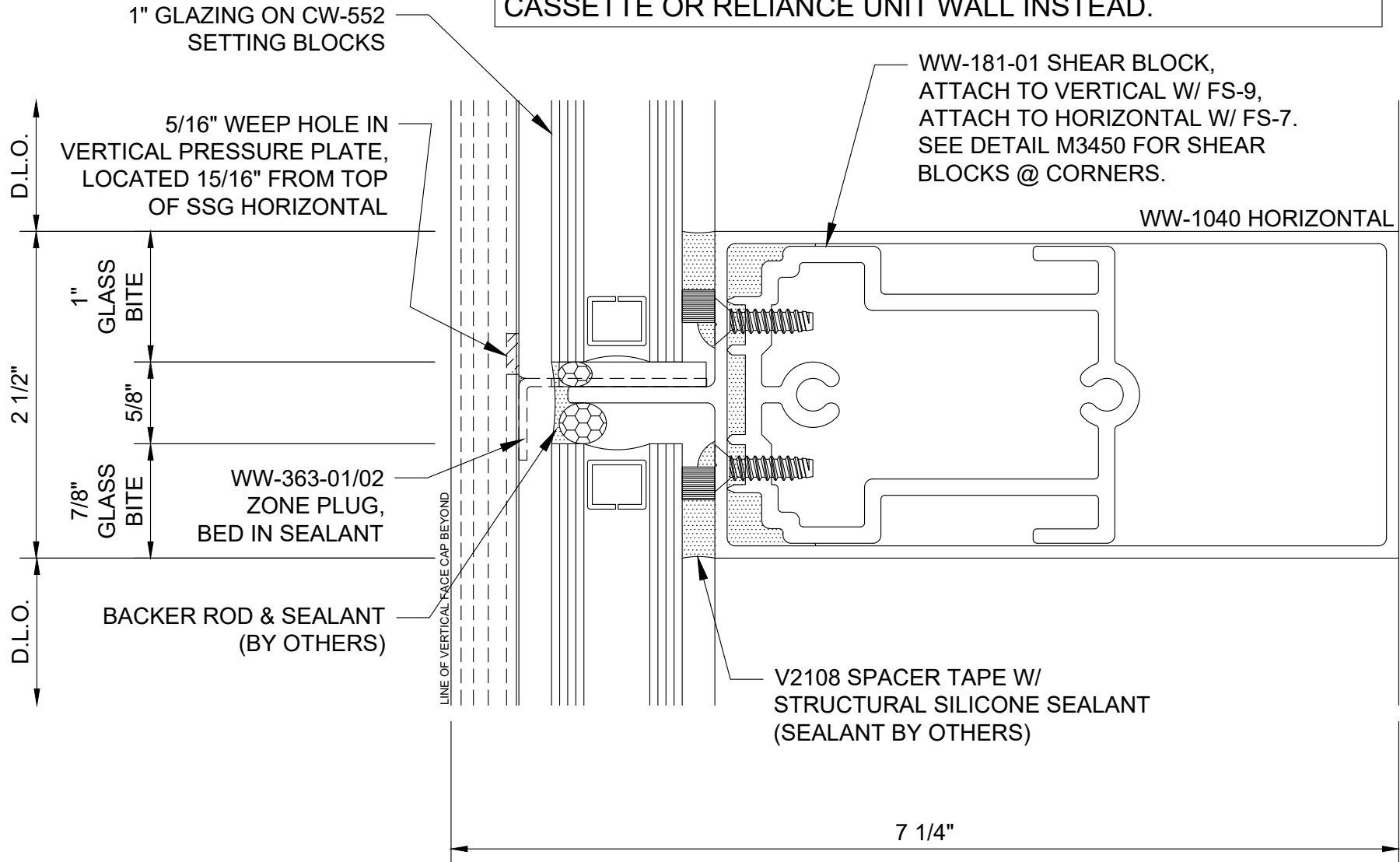


Reliance™ Curtain Wall Expansion Horizontal - H3411

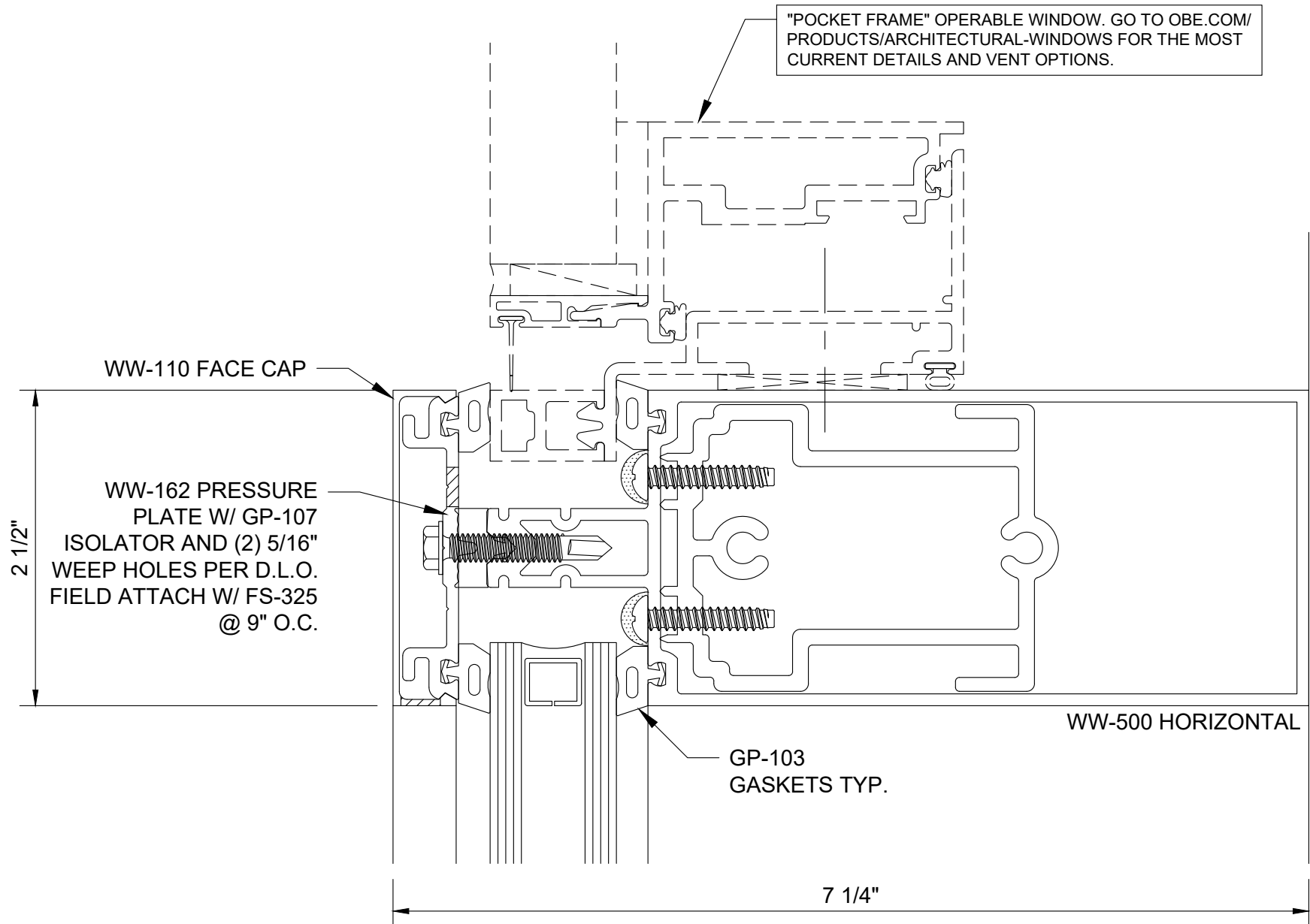


Reliance™ Curtain Wall Expansion Horizontal (Vision) - H3412

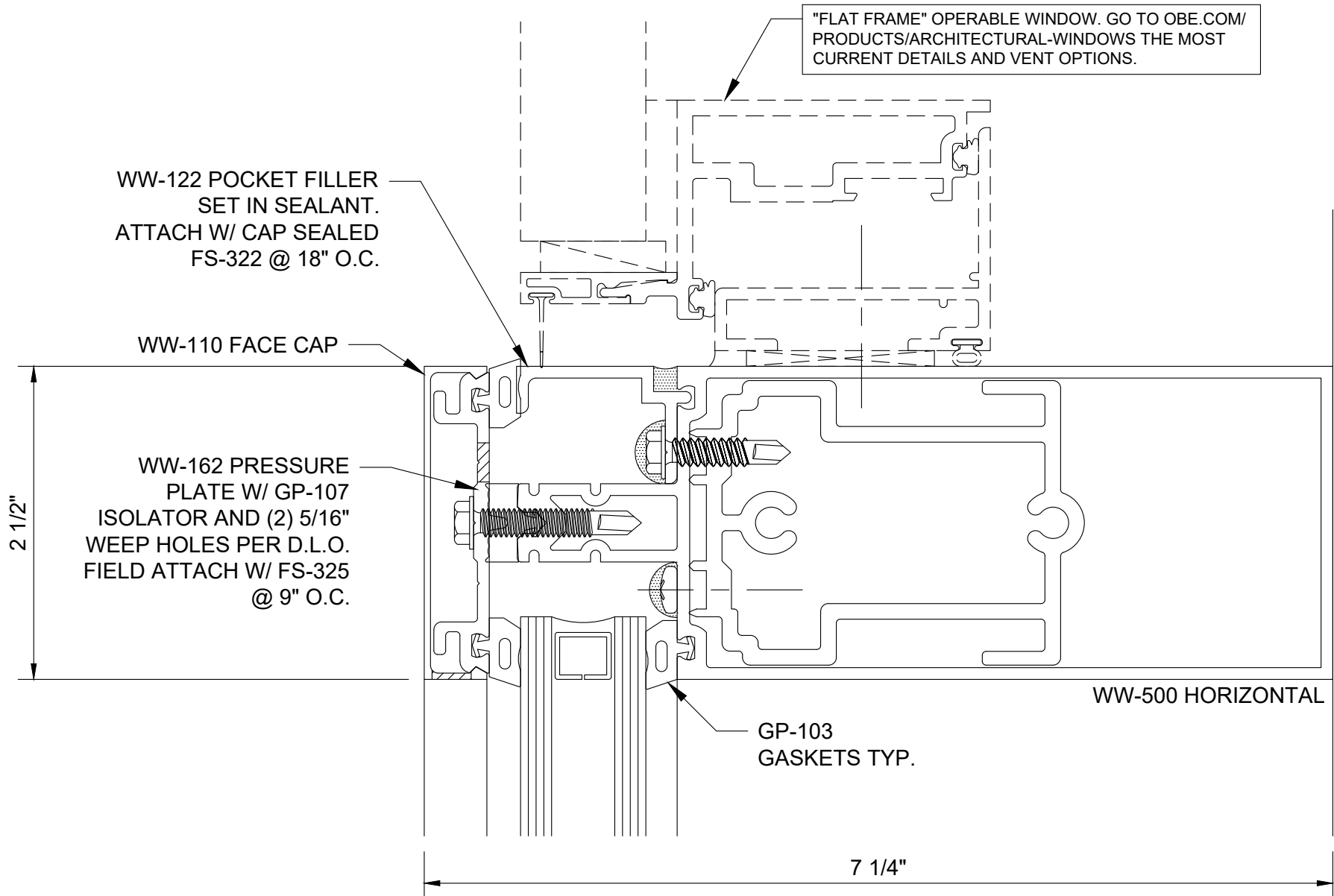
NOTE: FOR USE W/ CAPTURED VERTICALS ONLY. 4-SIDED
STRUCTURALLY GLAZED APPLICATIONS MUST USE RELIANCE
CASSETTE OR RELIANCE UNIT WALL INSTEAD.



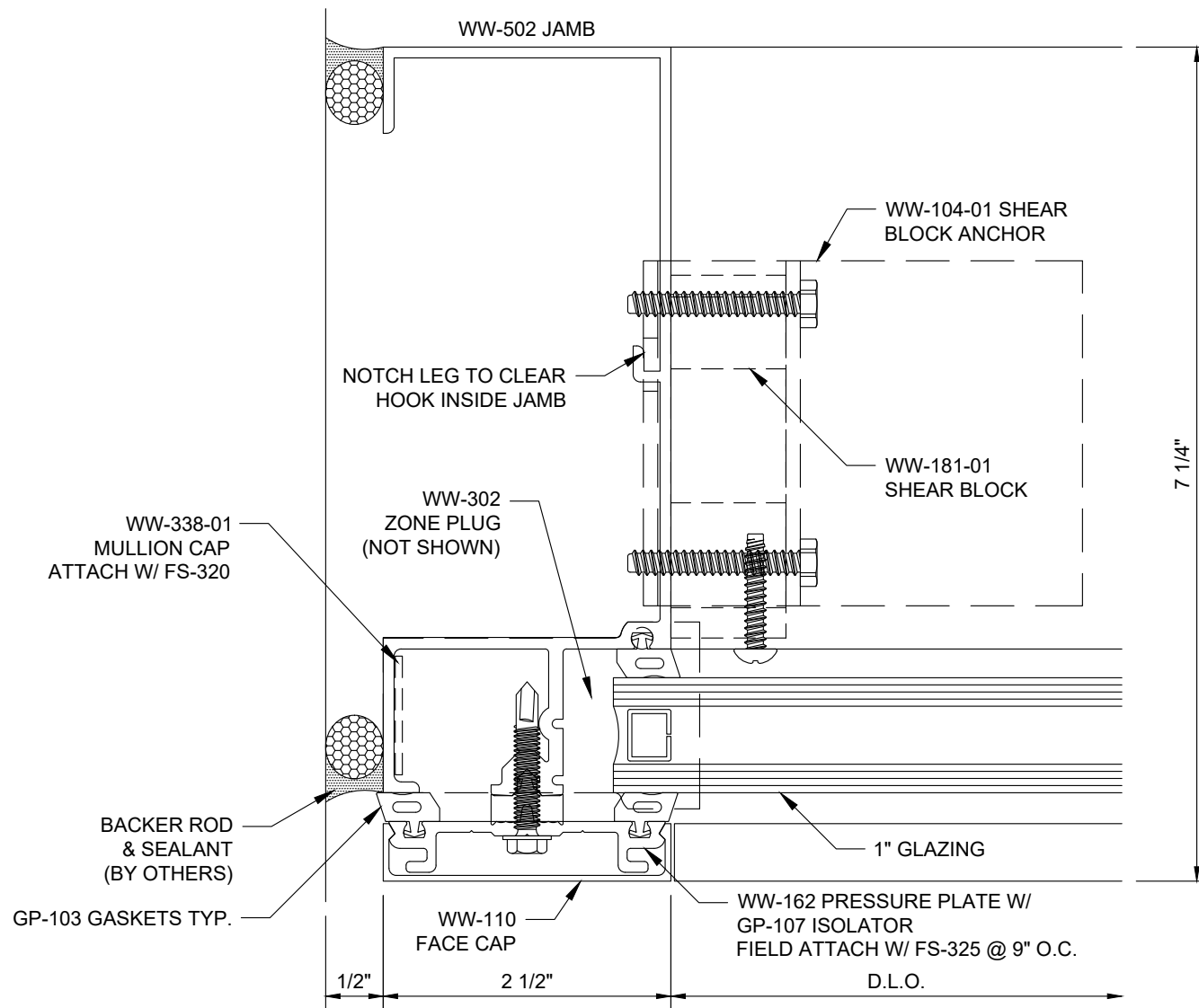
Reliance™ Curtain Wall SSG Horizontal - H3413



Reliance™ Curtain Wall Horizontal at Operable Window (Pocket Frame) - H3418

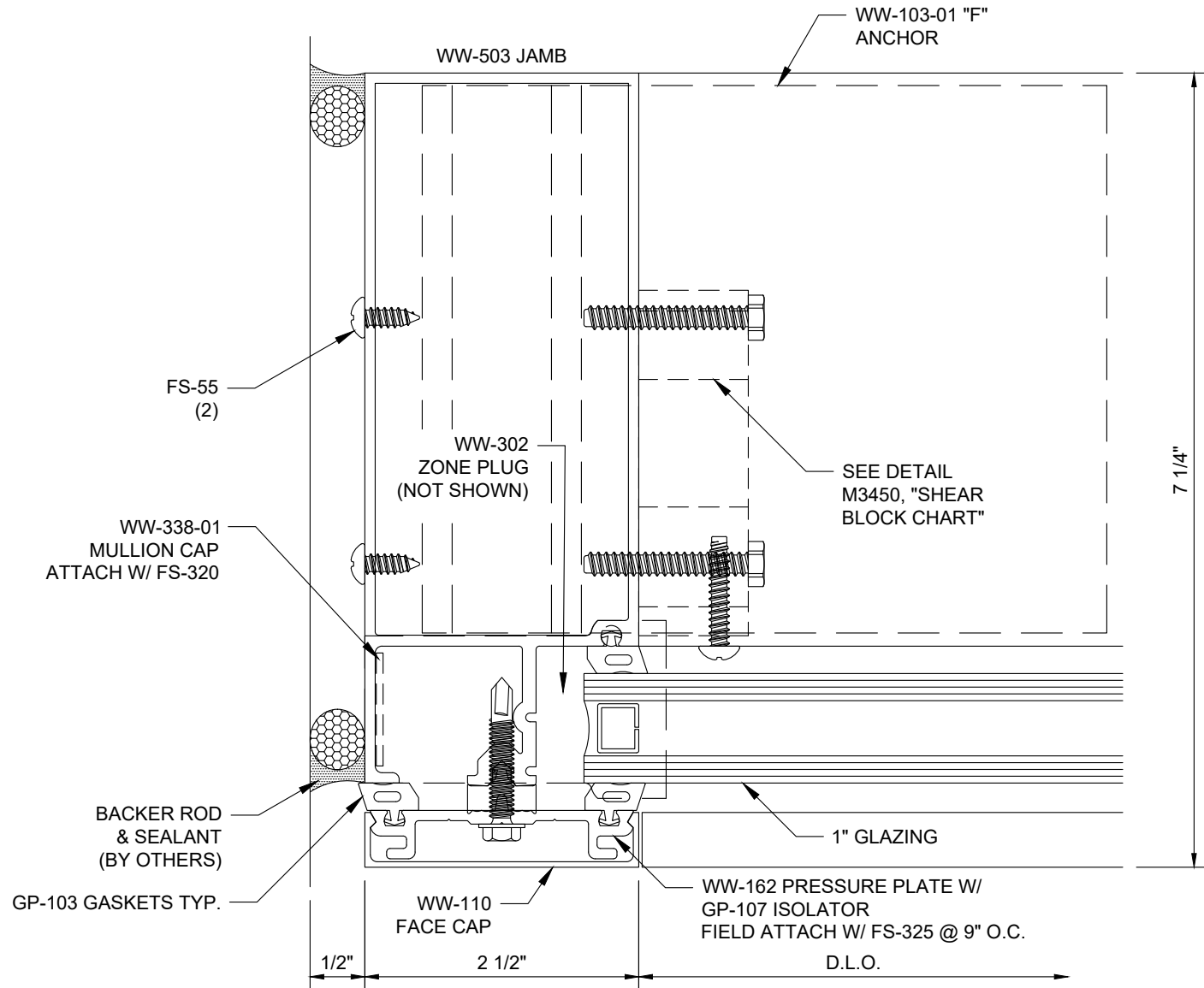


Reliance™ Curtain Wall Horizontal at Operable Window (Flat Frame) - H3419

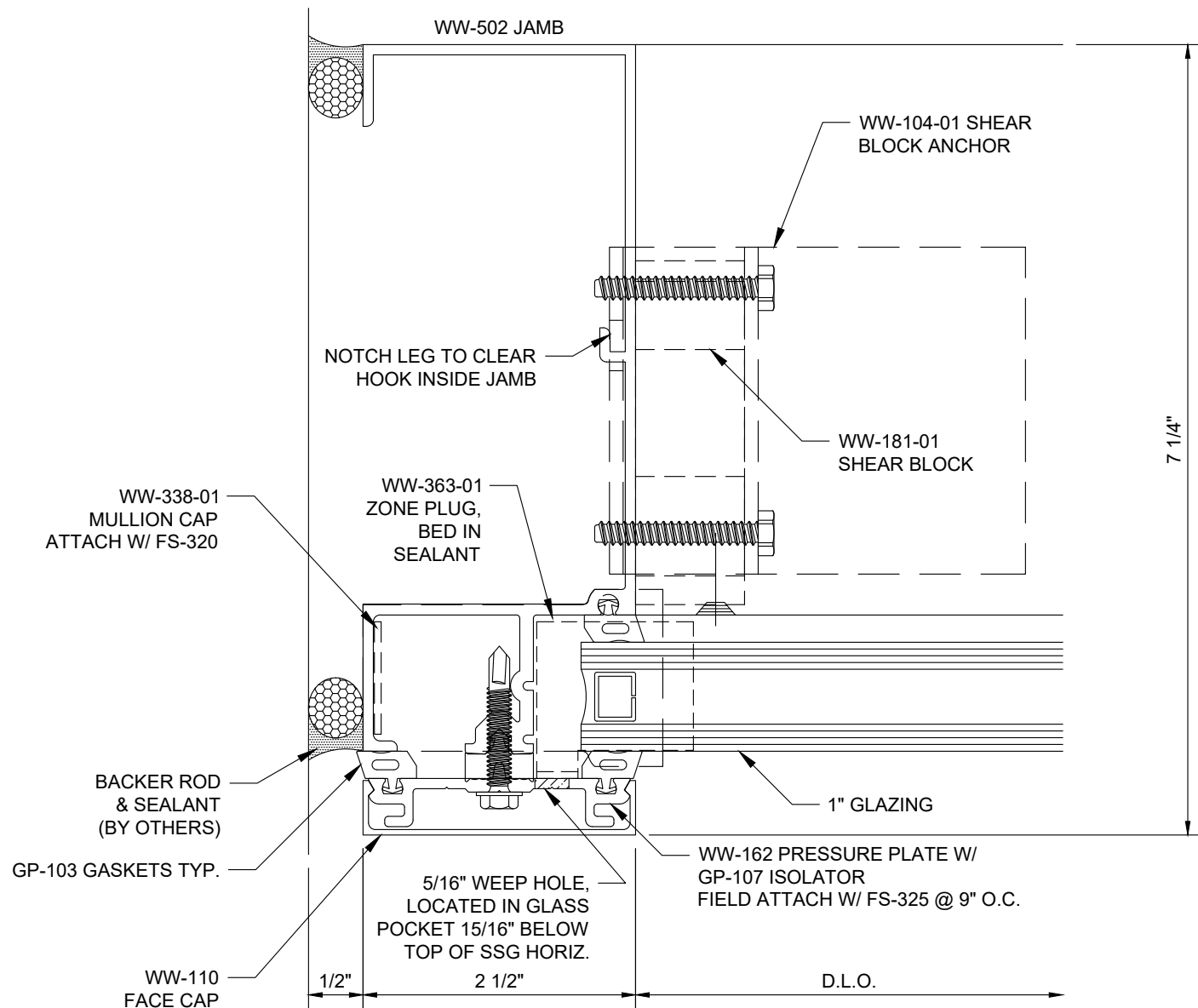


Reliance™ Curtain Wall Jamb - V3401

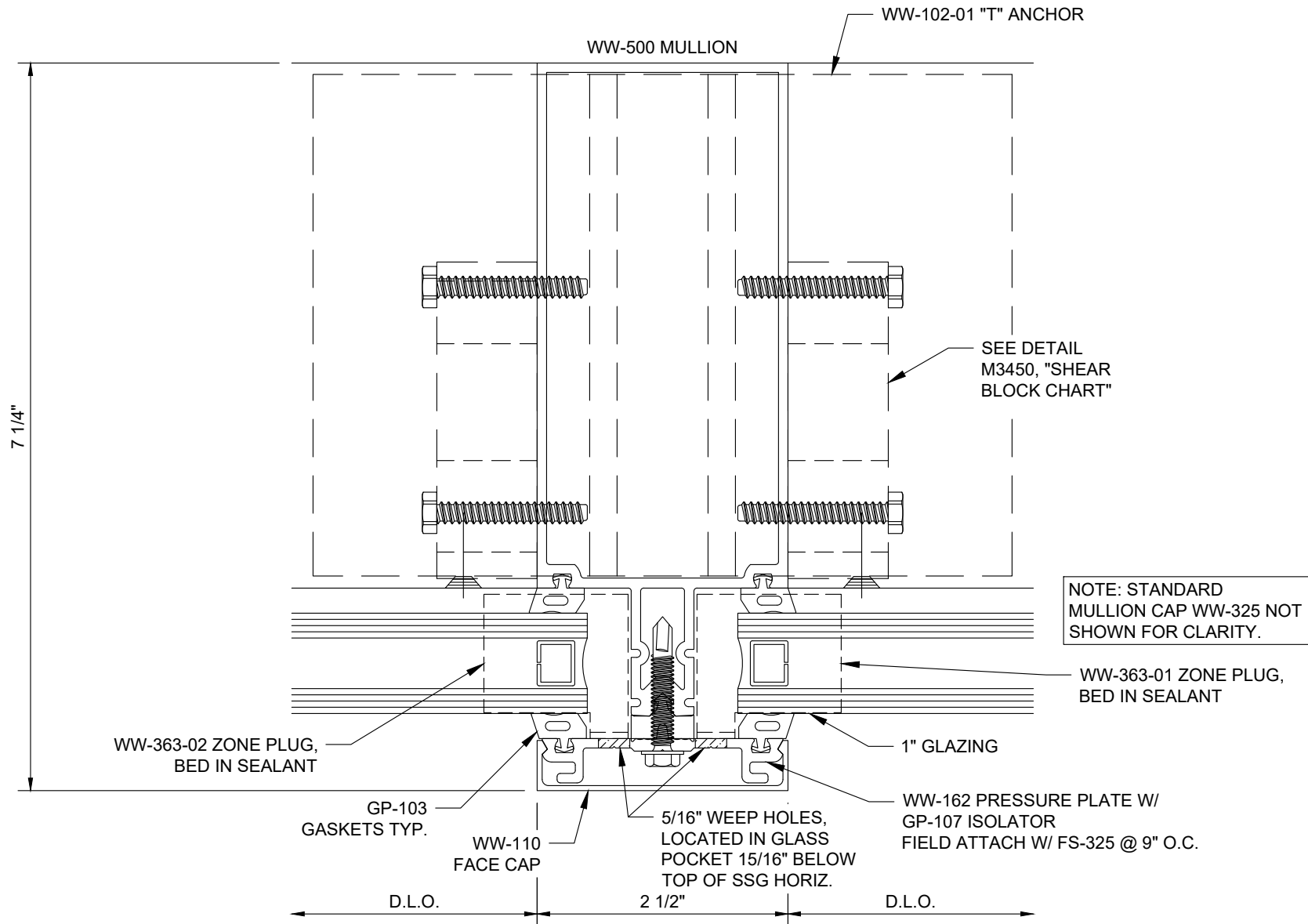




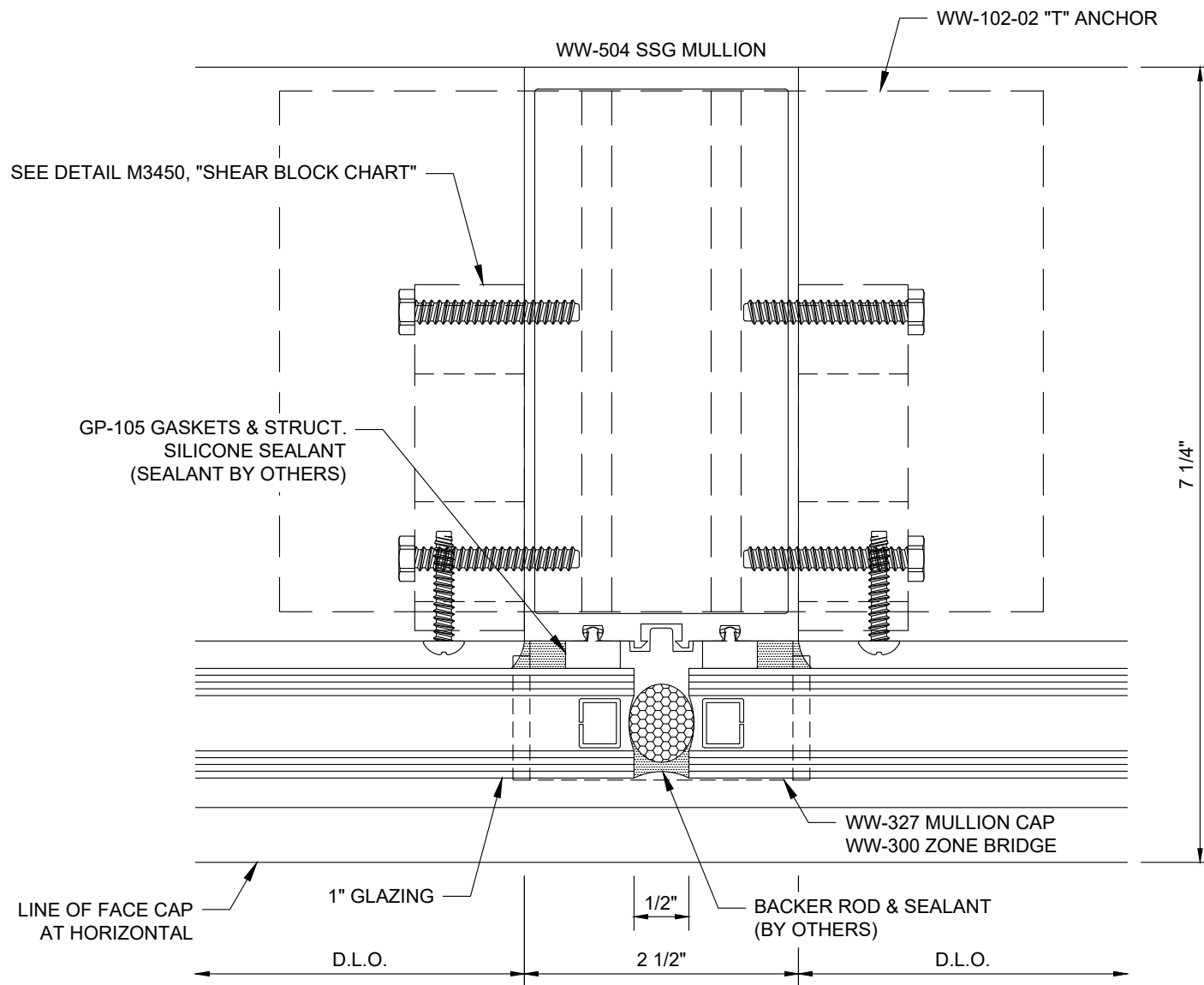
Reliance™ Curtain Wall Jamb (Tubular) - V3408



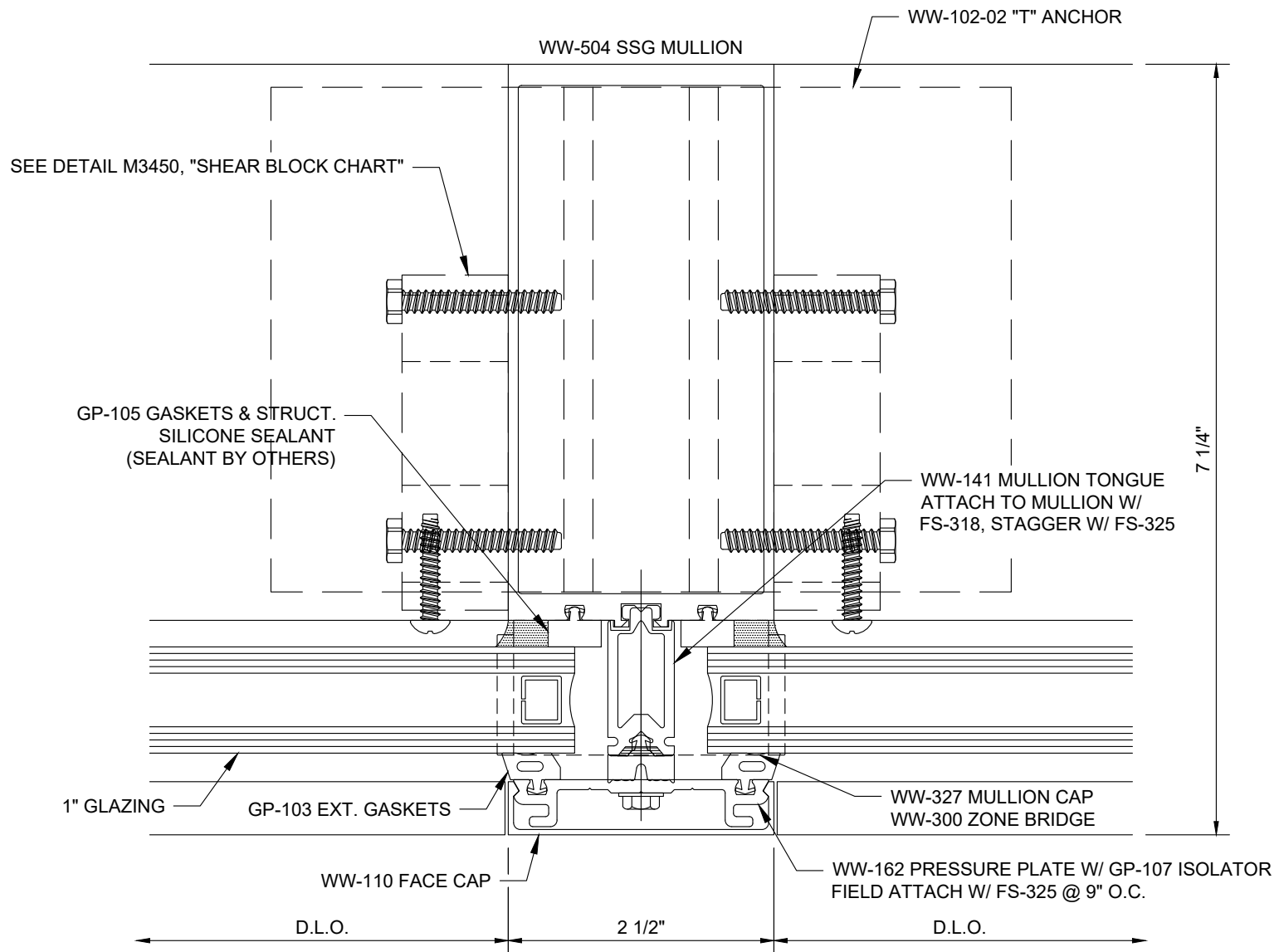
Reliance™ Curtain Wall Jamb at SSG Horizontal - V3411



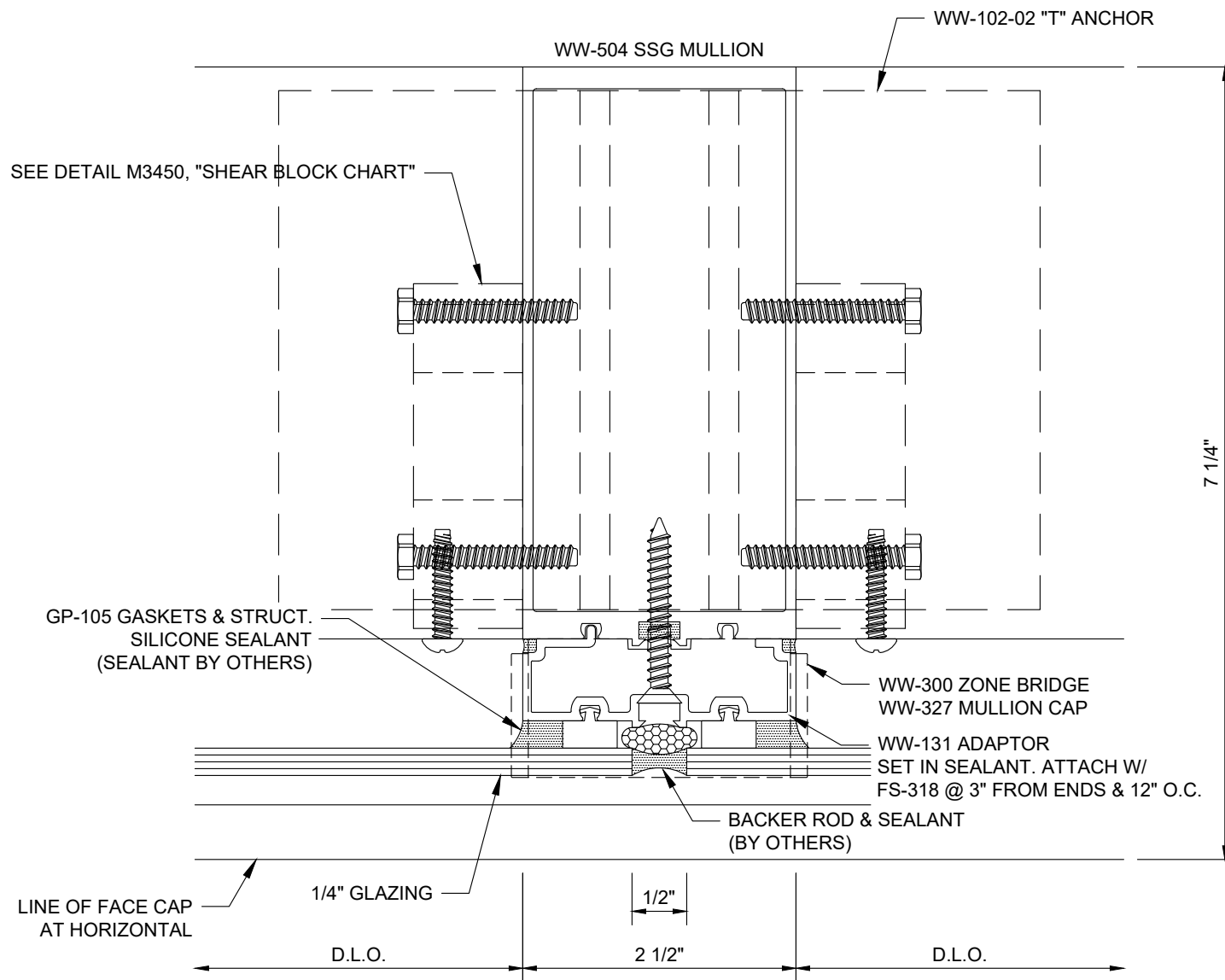
Reliance™ Curtain Wall Vertical at SSG Horizontal - V3412



Reliance™ Curtain Wall SSG Vertical - V3452

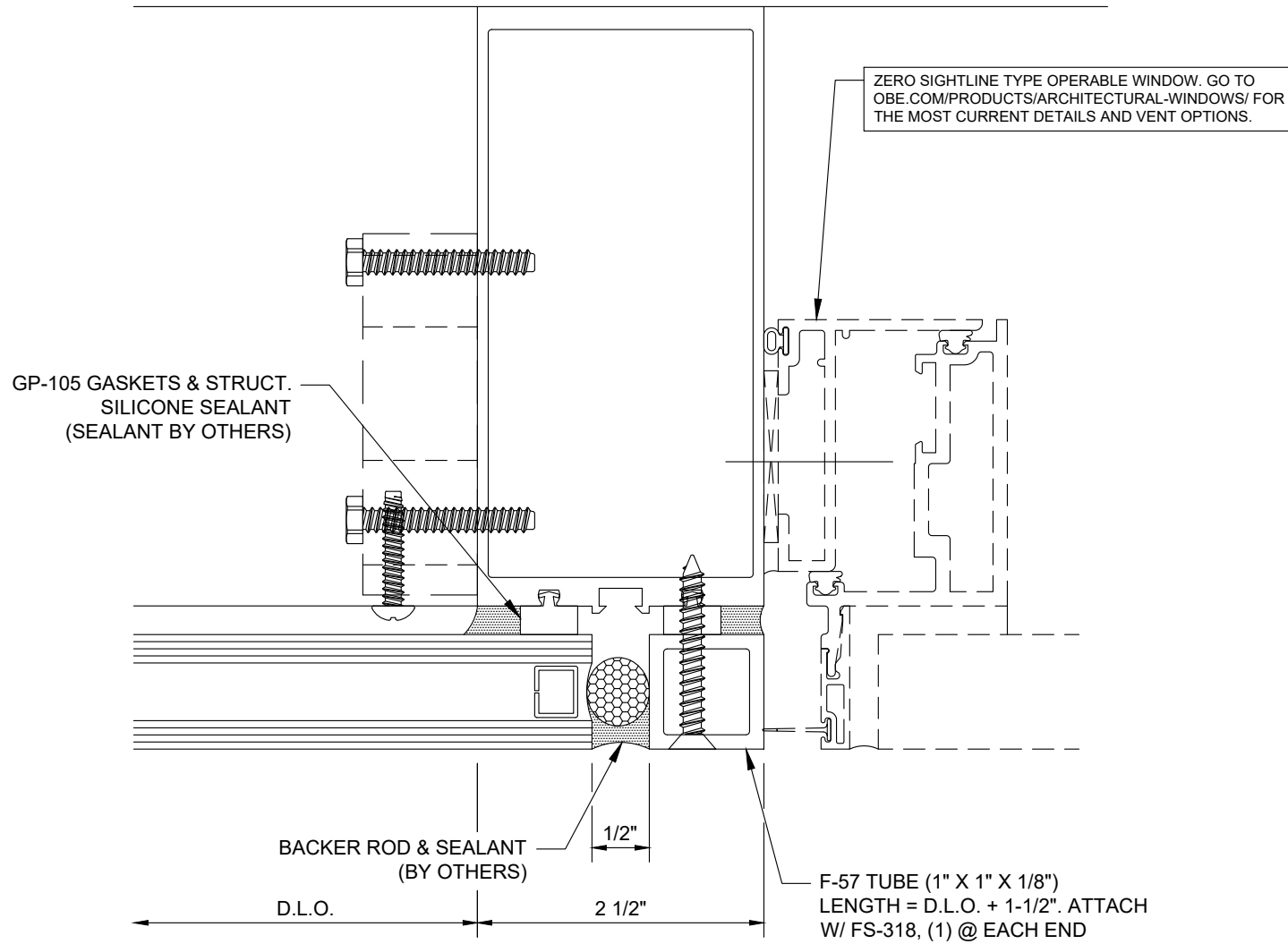


Reliance™ Curtain Wall Vertical at SSG to Captured Transition - V3453

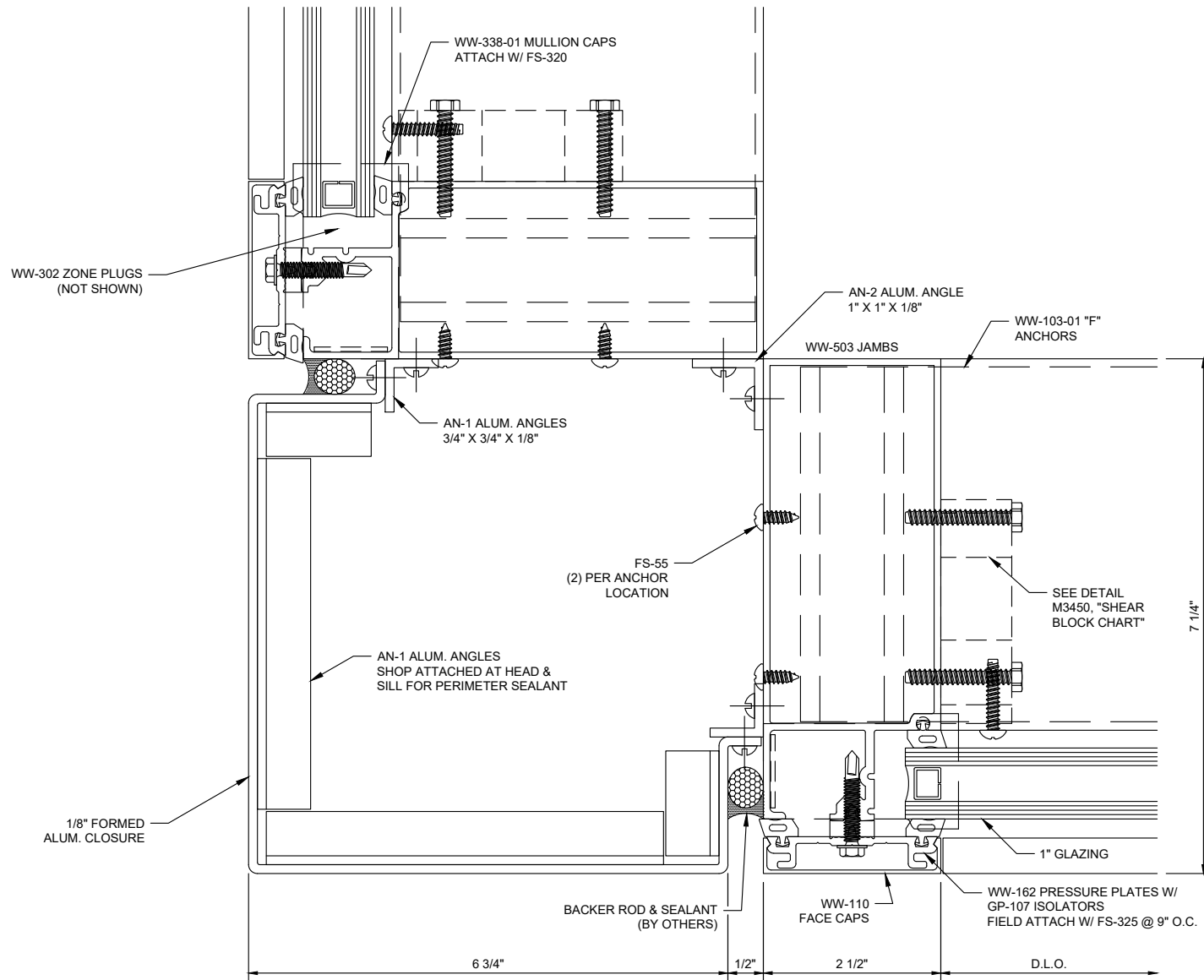


Reliance™ Curtain Wall SSG Vertical at Spandrel - V3457

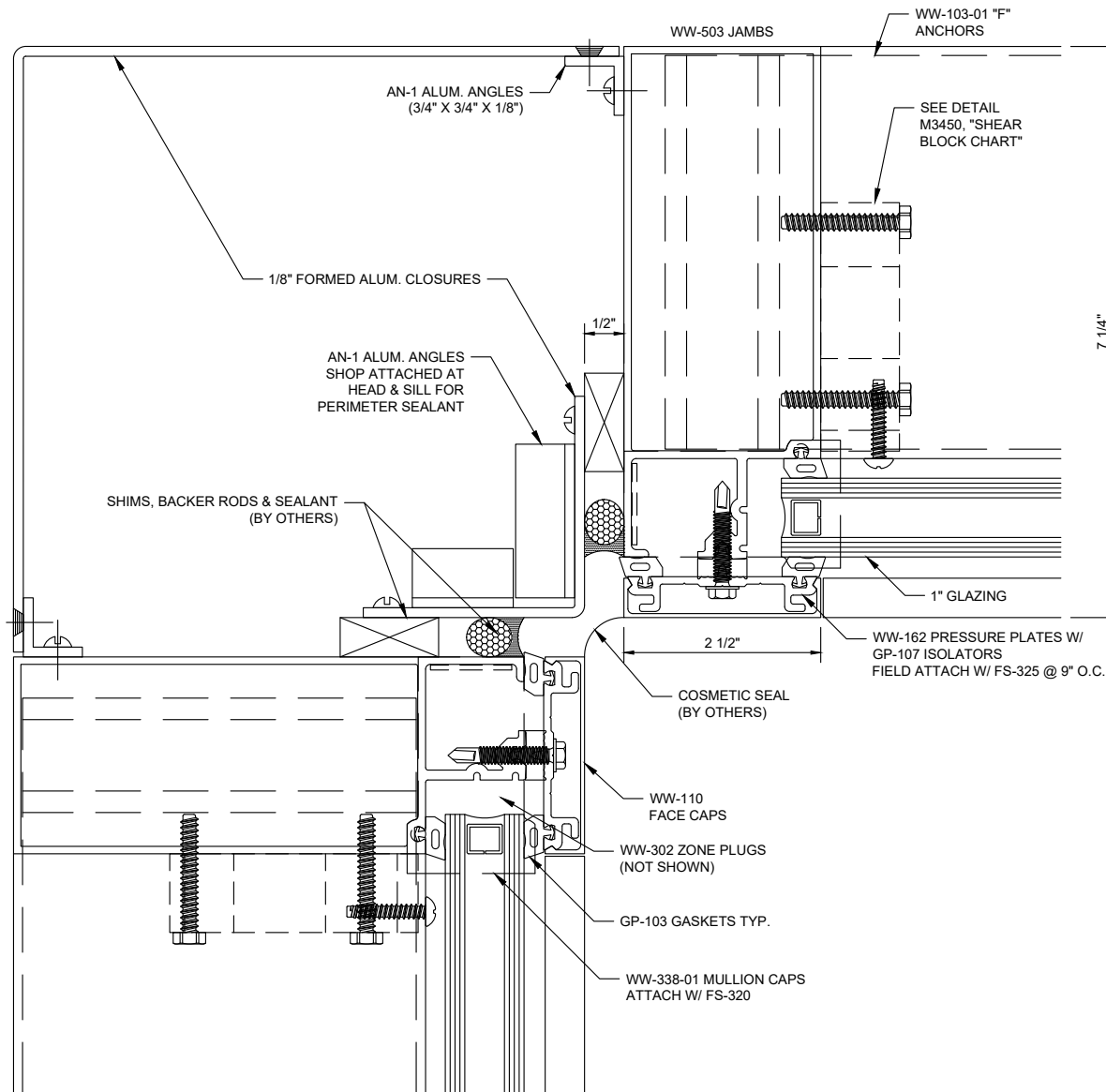
WW-504 SSG MULLION



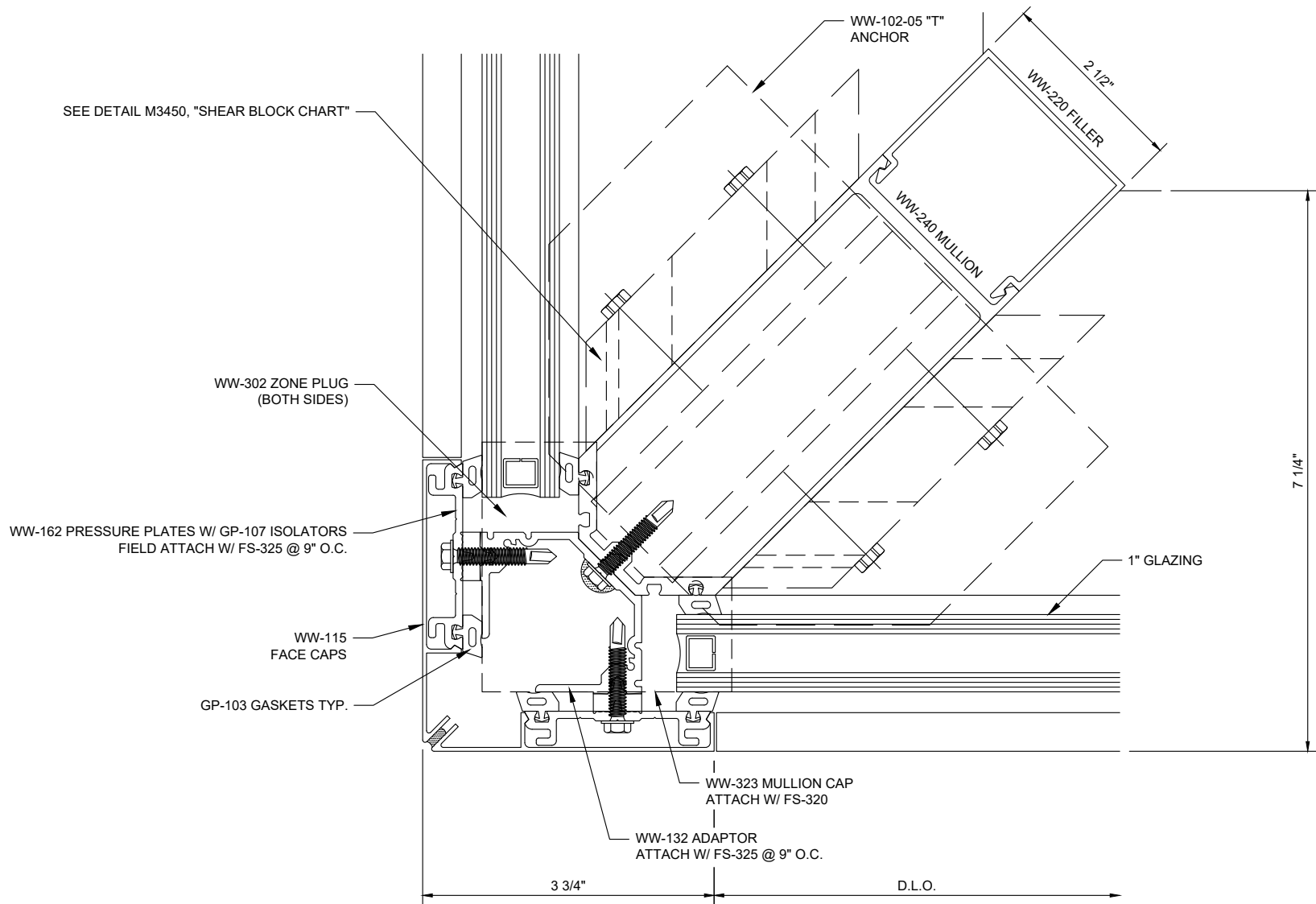
Reliance™ Curtain Wall SSG Vertical at Operable Window - V3459



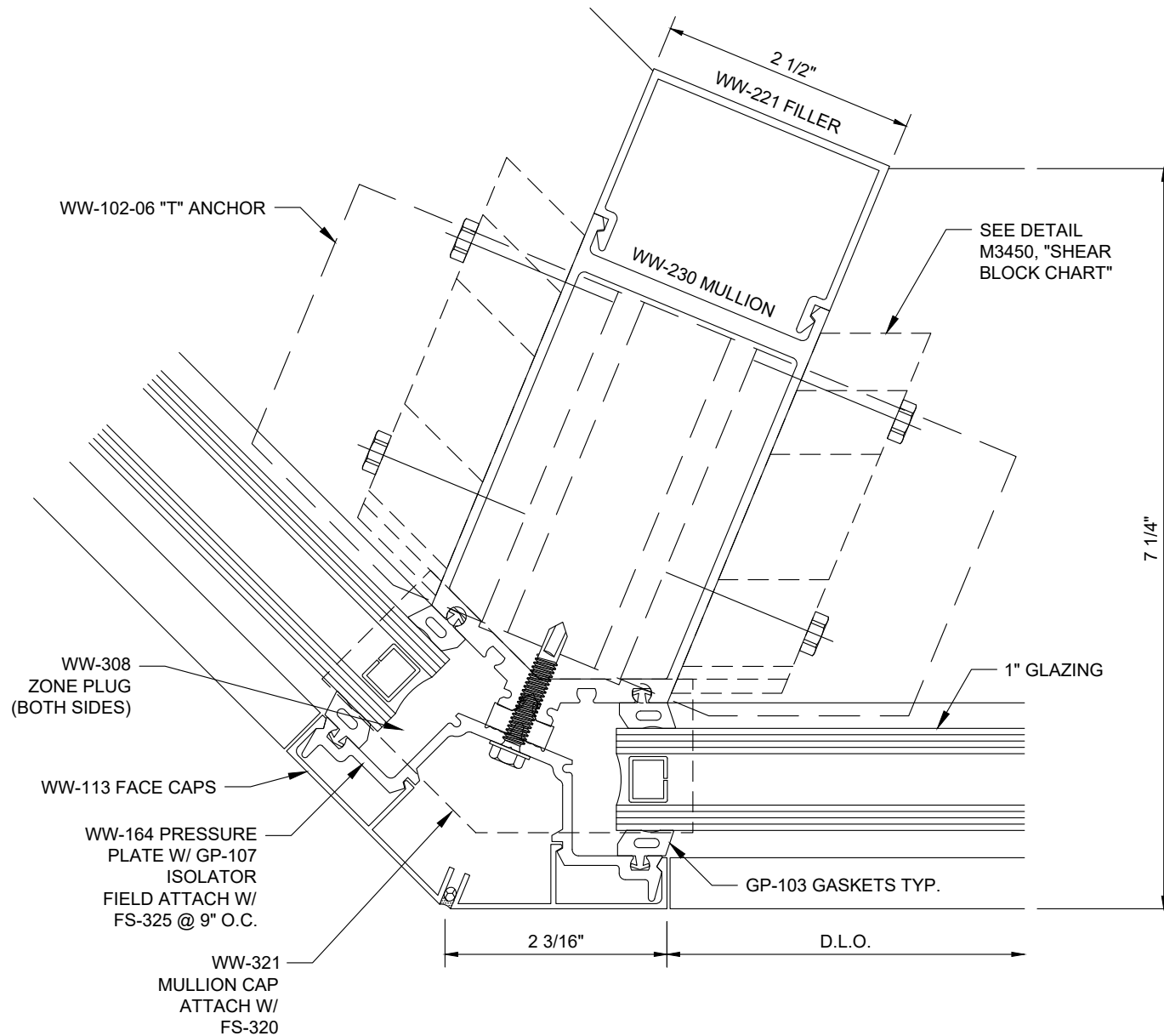
Reliance™ Curtain Wall 90° Outside Corner - 2 Mullion - V3415



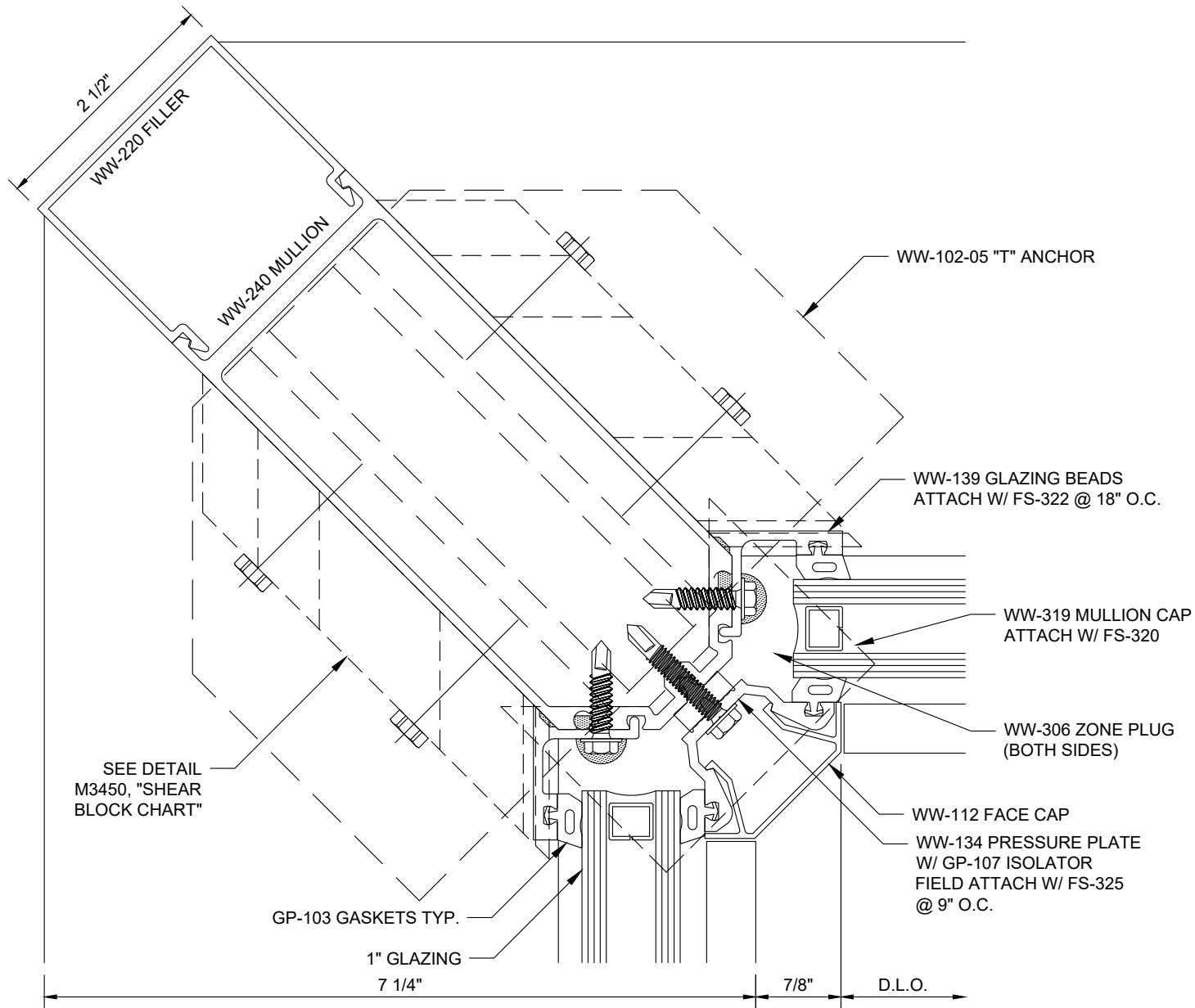
Reliance™ Curtain Wall 90° Inside Corner - 2 Mullion - V3417



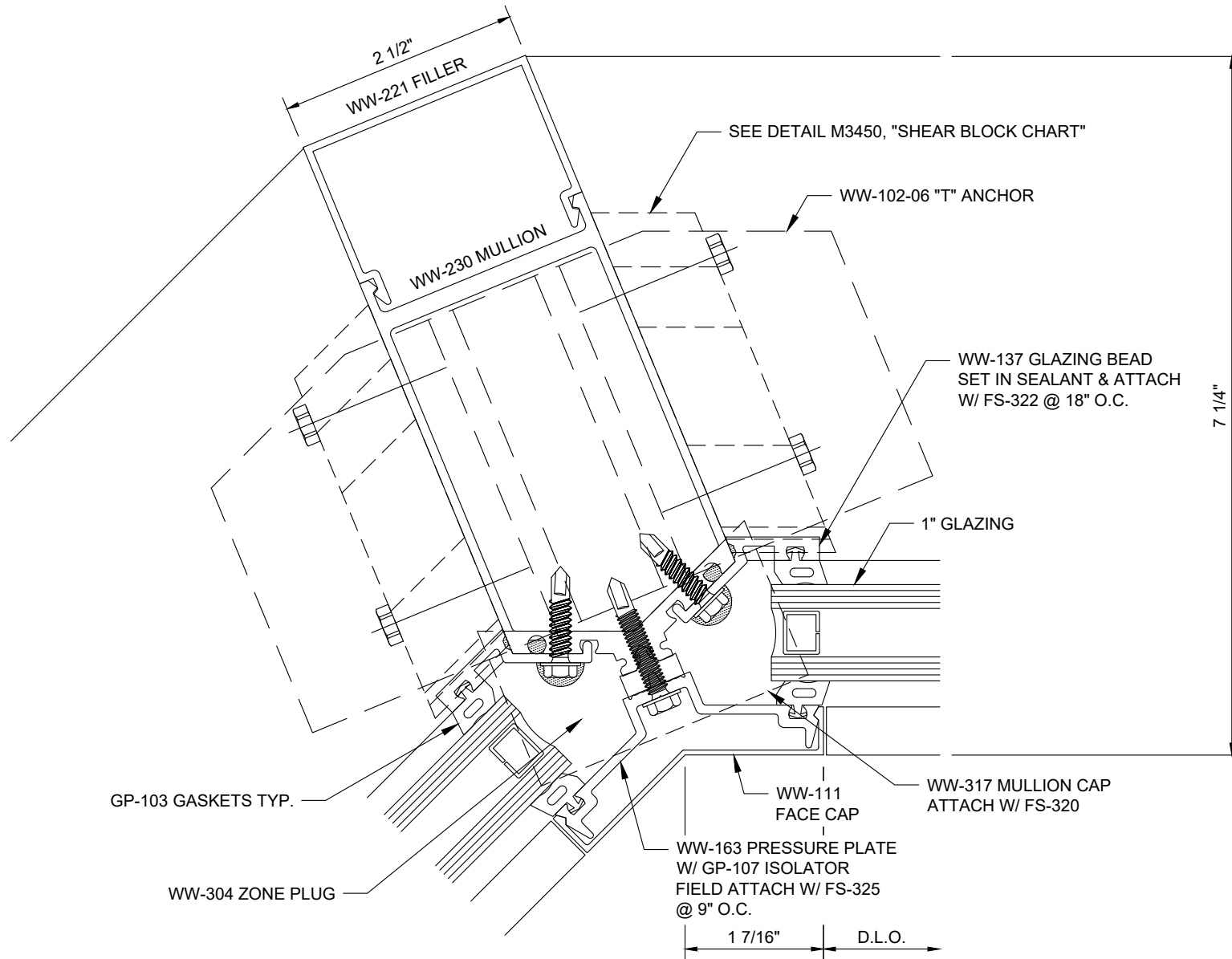
Reliance™ Curtain Wall 90° Outside Corner - V3421



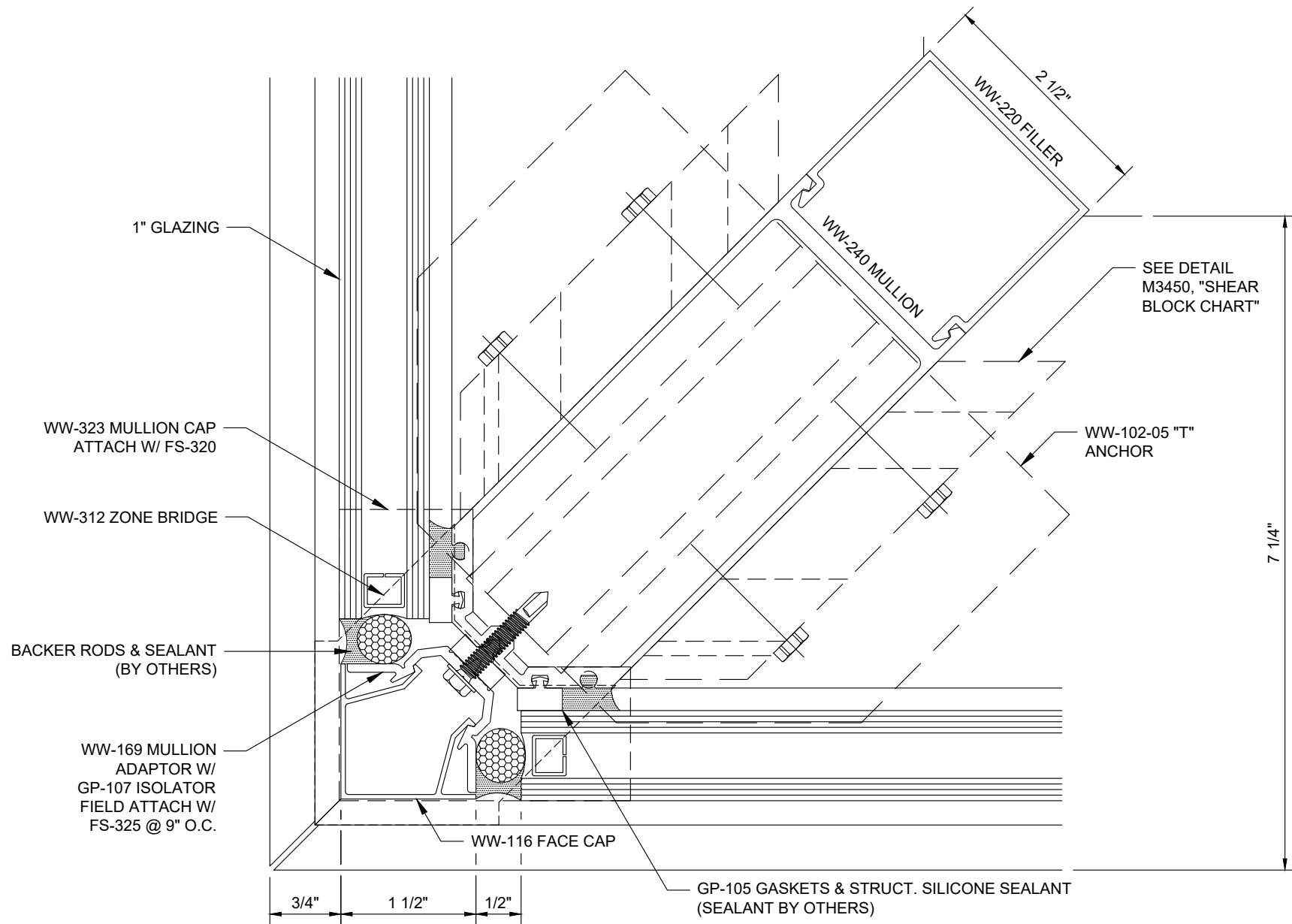
Reliance™ Curtain Wall 135° Outside Corner - V3423



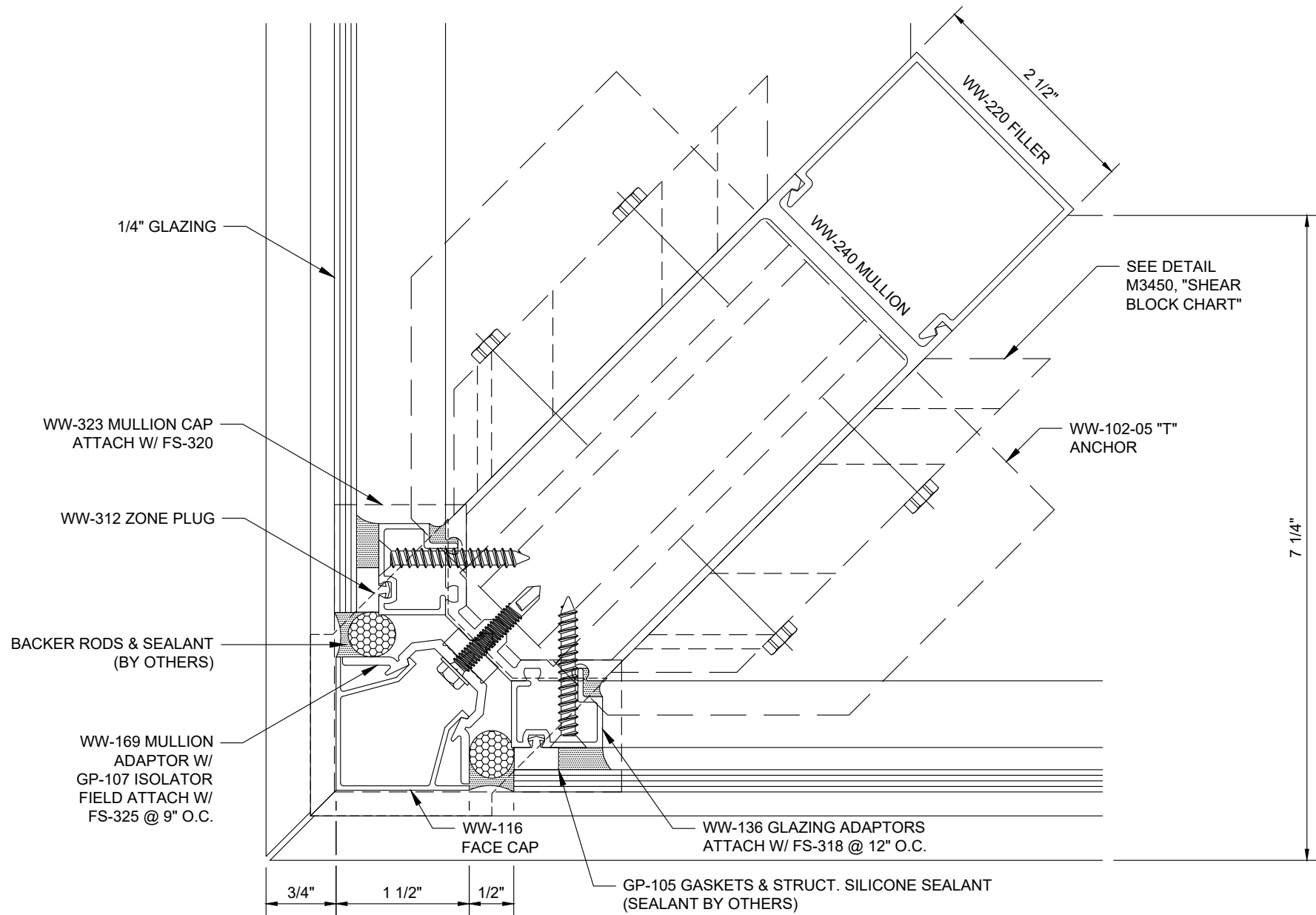
Reliance™ Curtain Wall 90° Inside Corner - V3425



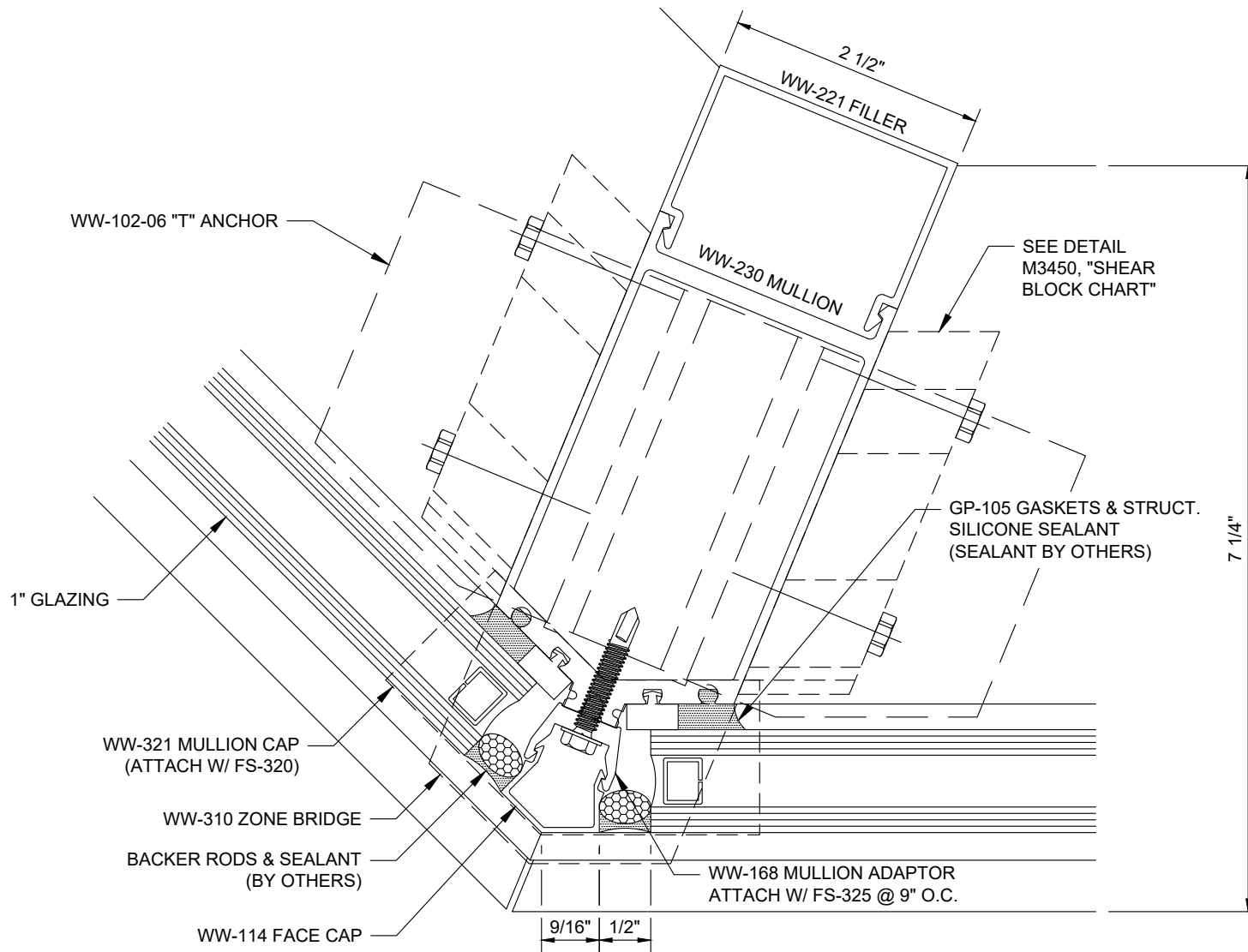
Reliance™ Curtain Wall 135° Inside Corner - V3427



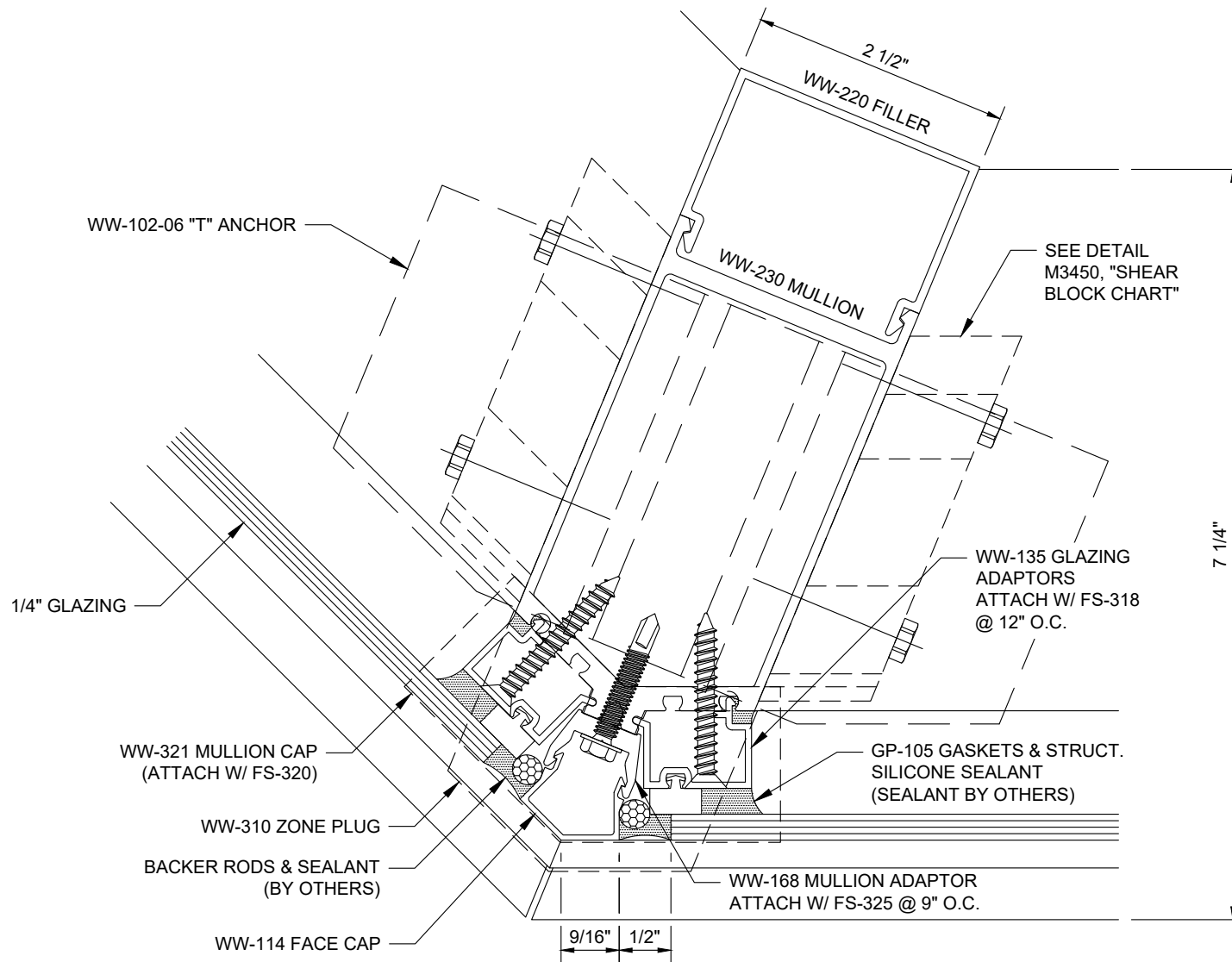
Reliance™ Curtain Wall SSG 90° Outside Corner - V3471



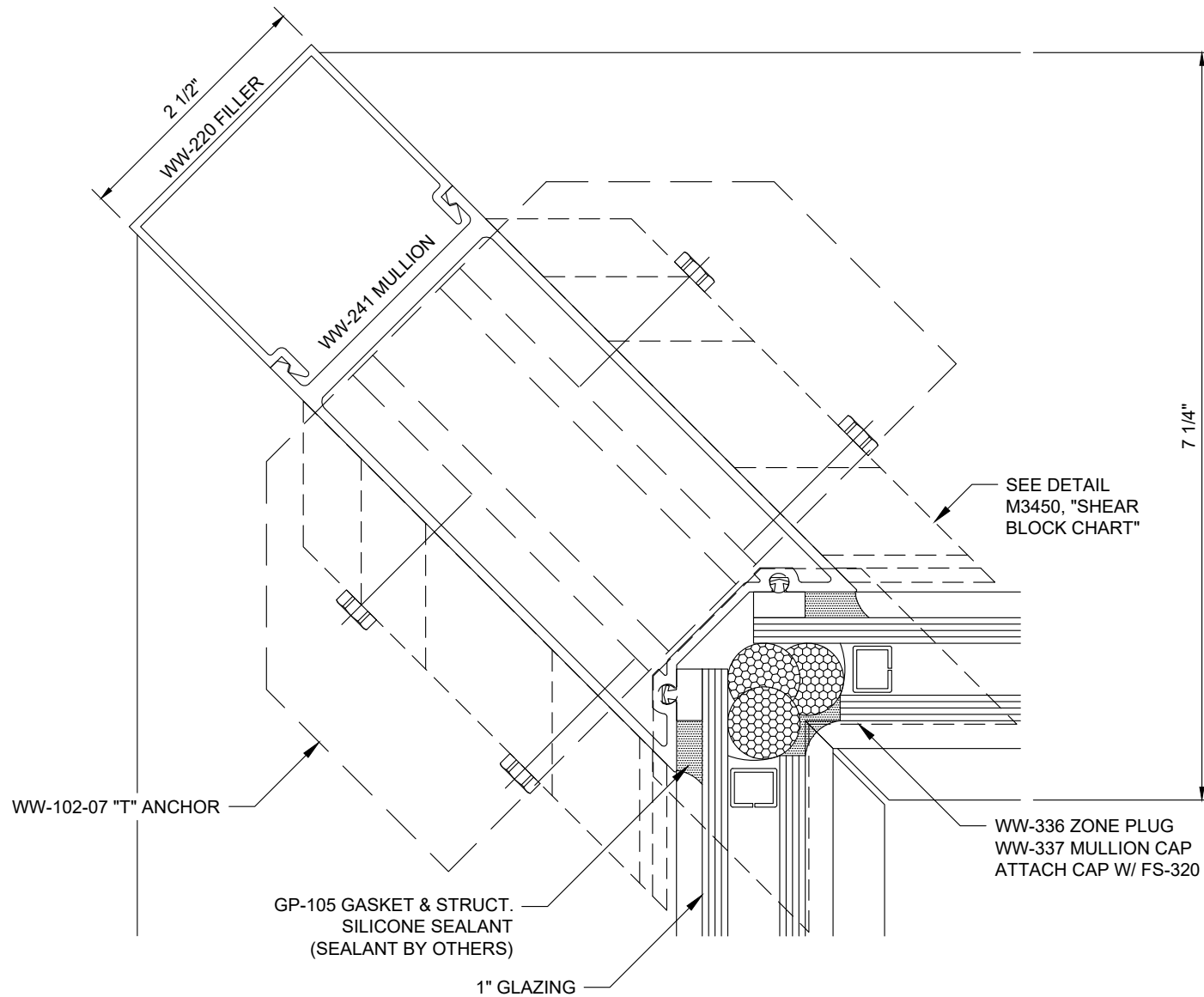
Reliance™ Curtain Wall SSG 90° Outside Corner at Spandrel - V3472



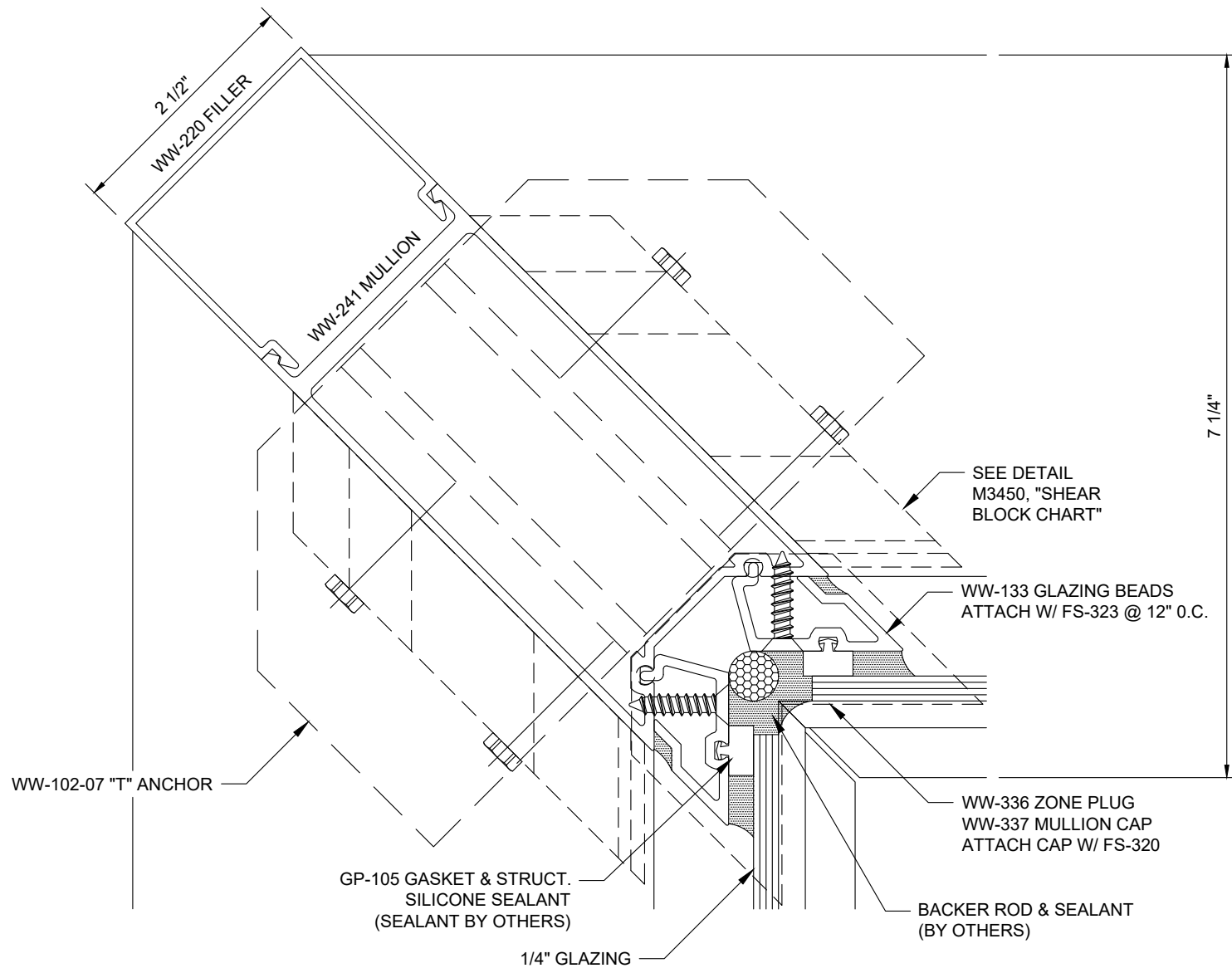
Reliance™ Curtain Wall SSG 135° Outside Corner - V3473



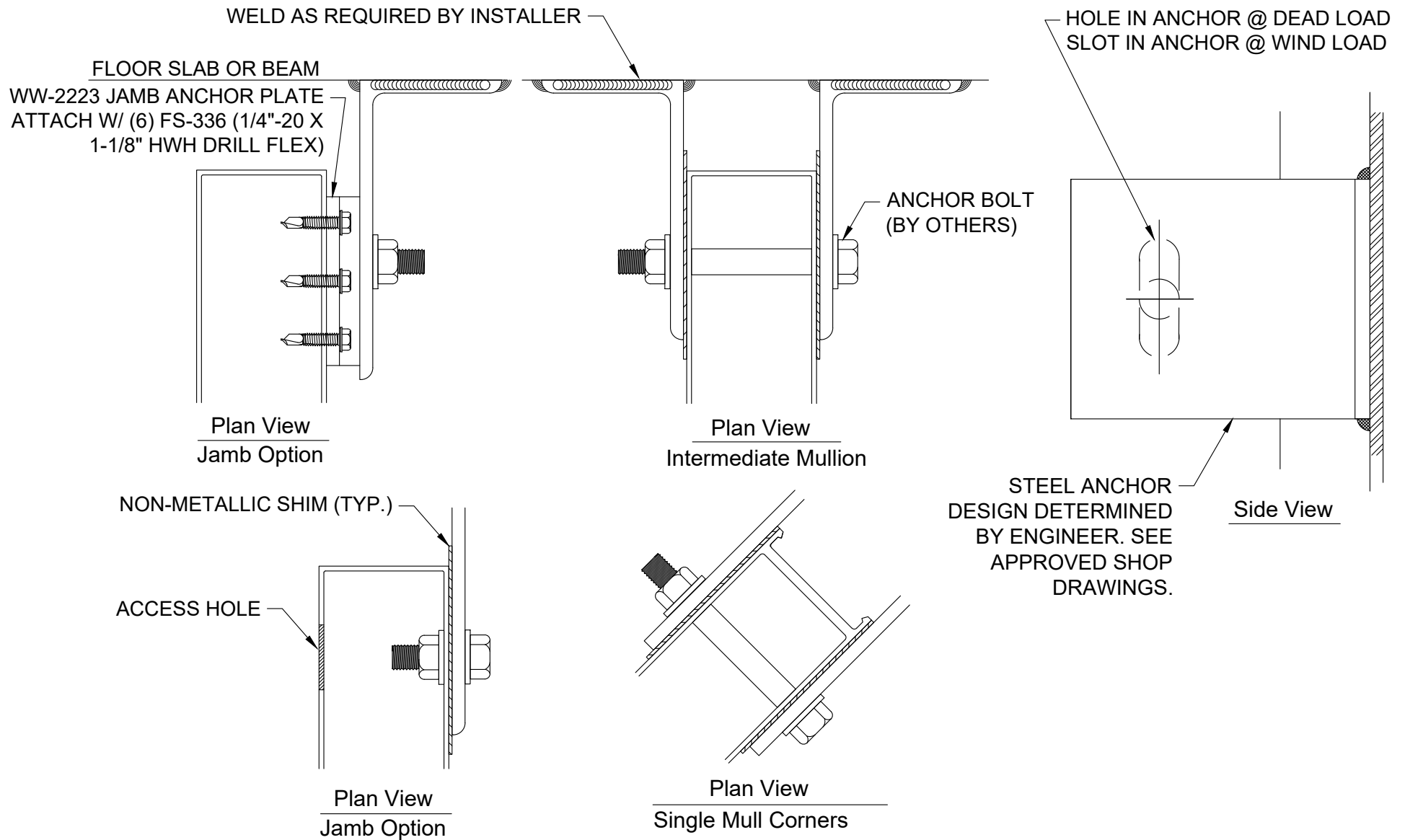
Reliance™ Curtain Wall SSG 135° Outside Corner at Spandrel - V3474



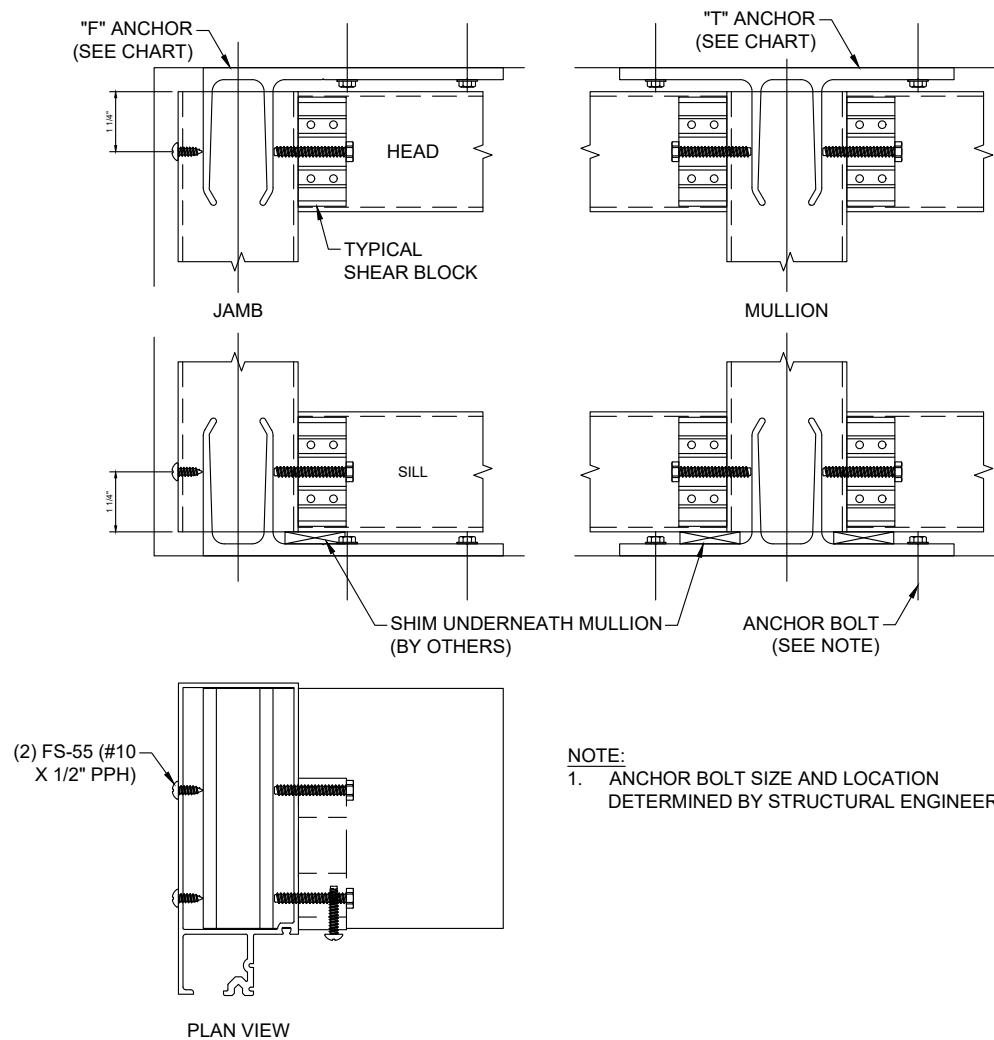
Reliance™ Curtain Wall SSG 90° Inside Corner - V3475



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



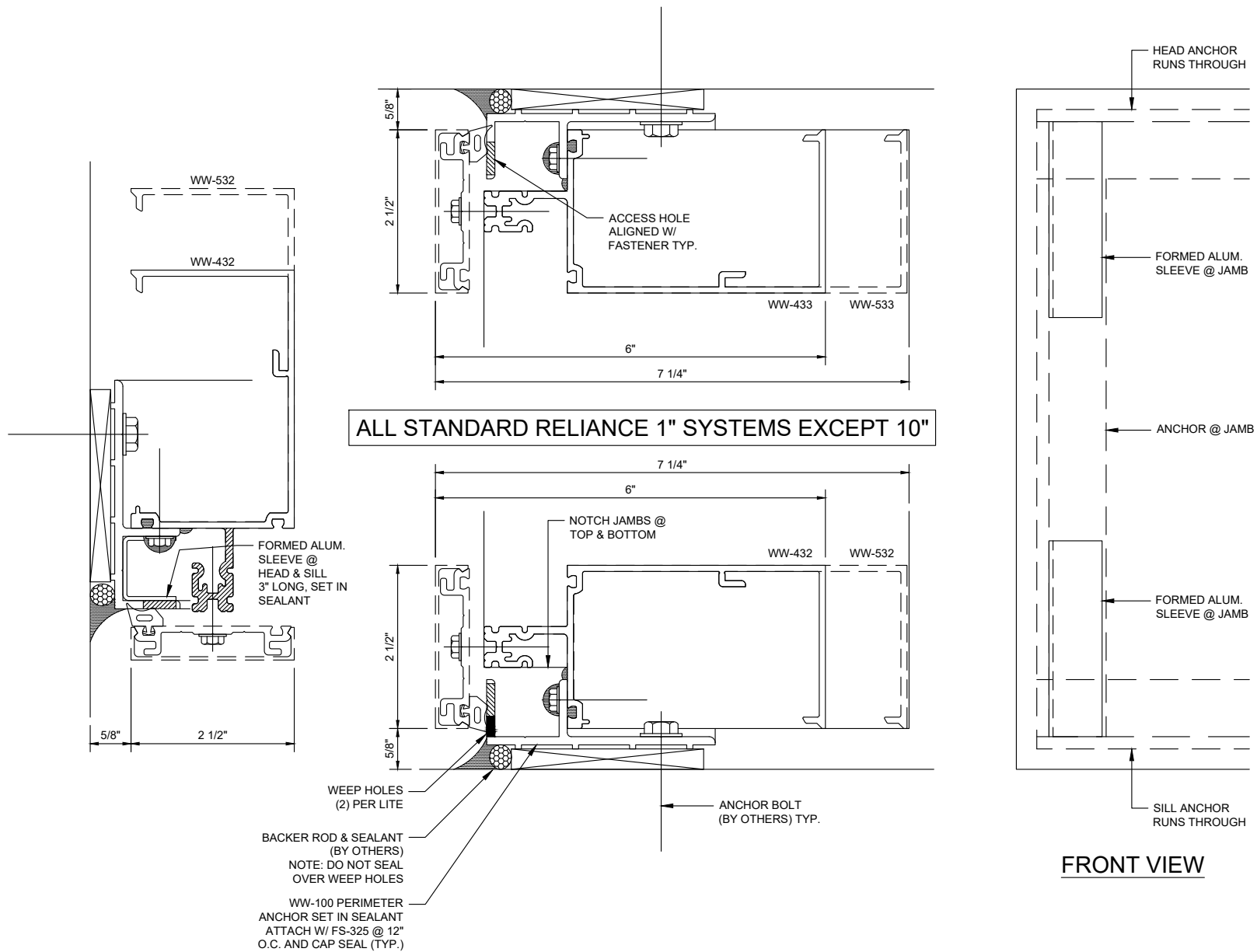
Standard Curtain Wall Steel Anchoring - M0042



"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)

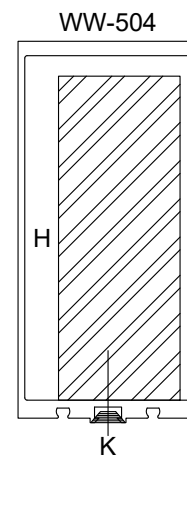
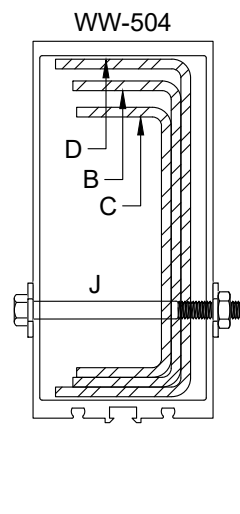
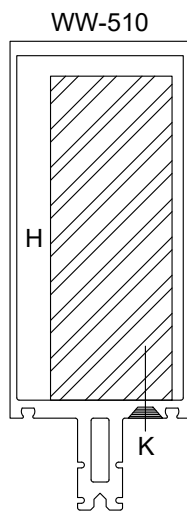
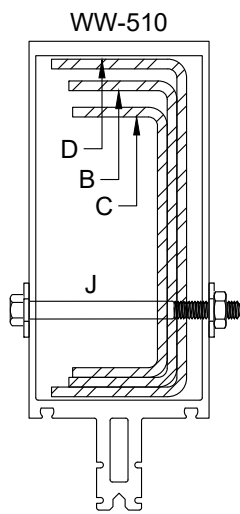
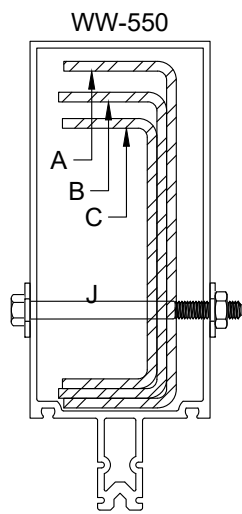
Reliance™ Curtain Wall 'F' & 'T' Mullion Anchoring - M3425



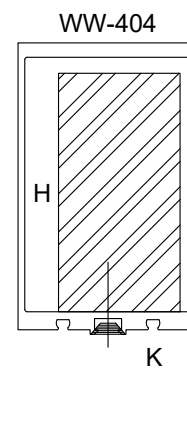
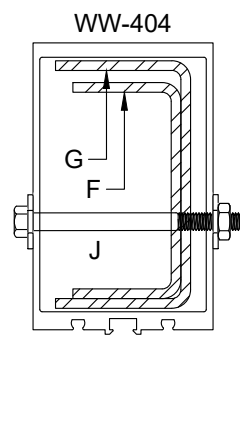
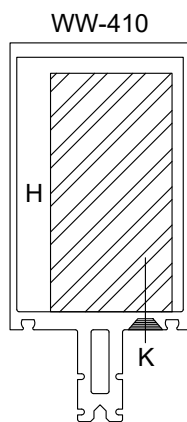
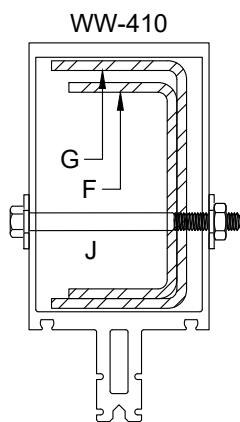
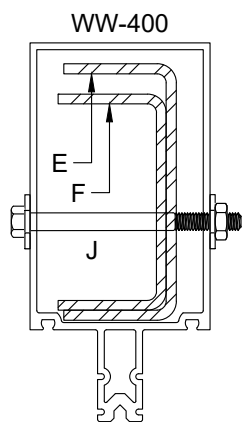
Reliance™ Curtain Wall Continuous Perimeter Anchoring Method - M3429

SEE APPROVED SHOP DRAWINGS FOR SPECIFIC REQUIREMENTS.

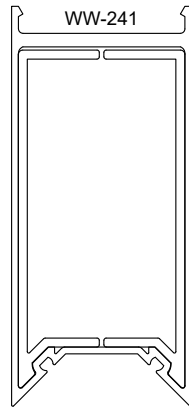
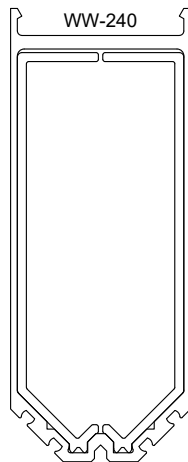
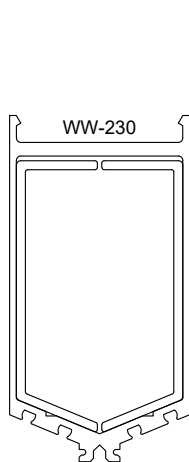
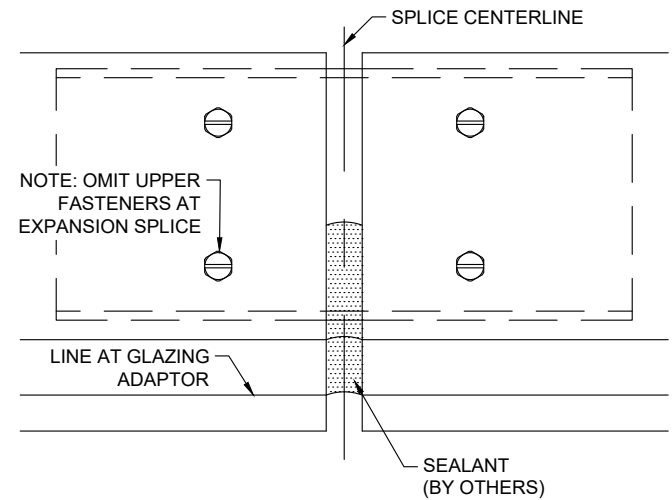
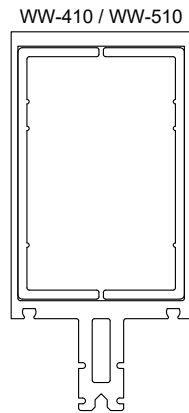
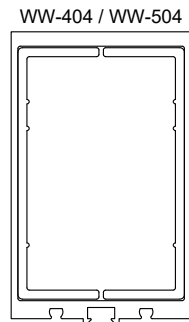
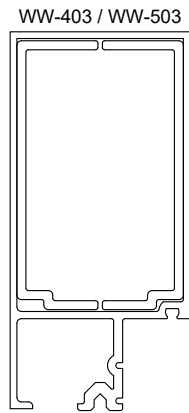
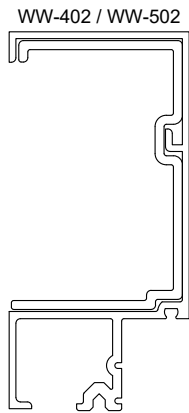
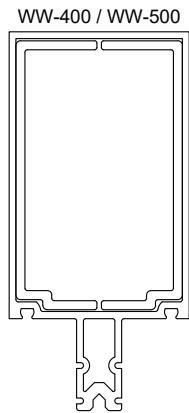
REF. INSTALLATION MANUAL FOR ADDITIONAL INFO.



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

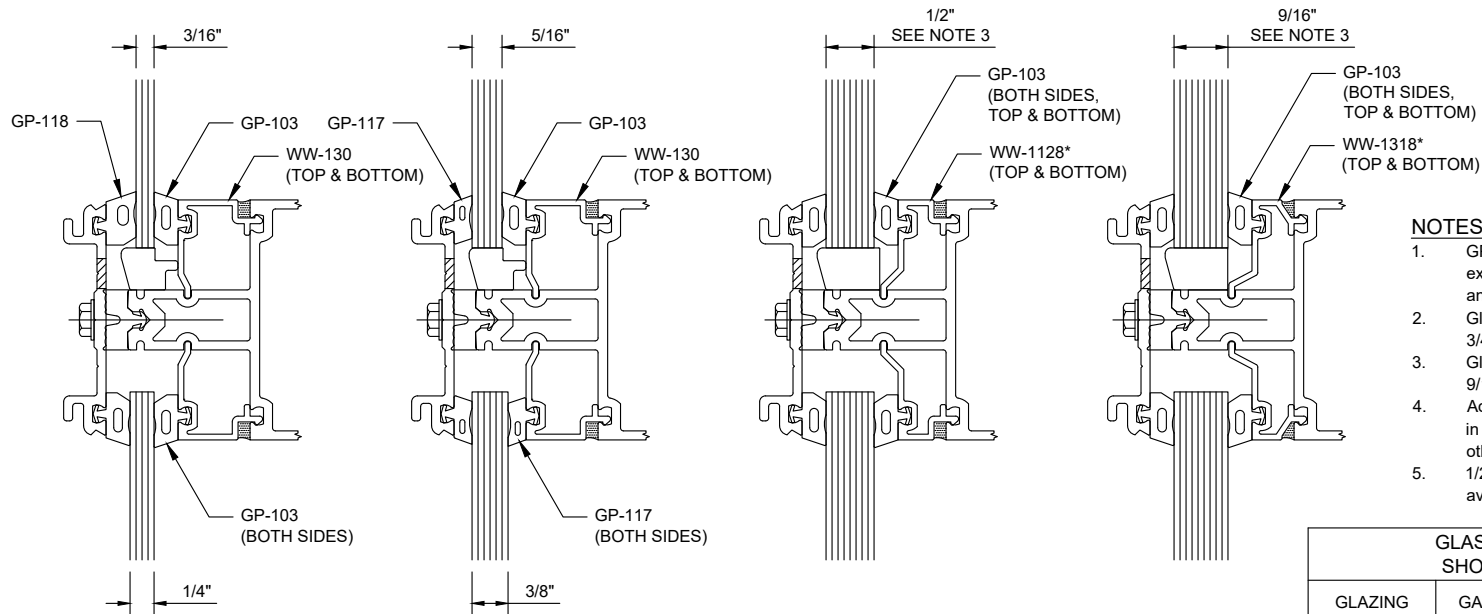


6" SYSTEM DEPTH	
MULLION	SPLICE
WW-400	WW-193-01
WW-402	WW-293-01
WW-403	WW-193-01
WW-404	WW-192-01
WW-410	WW-192-01
WW-230	WW-190-01
WW-240	WW-191-01
WW-241	WW-202-01

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

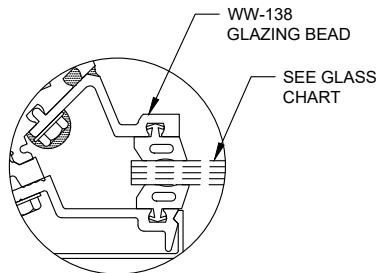


NOTES:

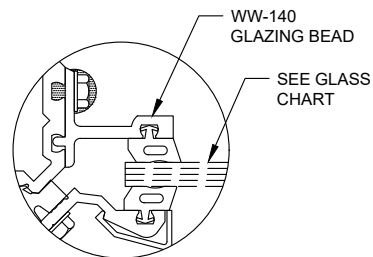
1. GP-110 setting block typical, except for GP-126 at 1/2\" and 9/16\" glazing.
2. Glass pocket with adaptor = 3/4\" unless noted otherwise.
3. Glass pocket 1\" at 1/2\" and 9/16\" glazing.
4. Adaptors/glazing beads set in sealant (sealant by others).
5. 1/2\" and 9/16\" glazing not available at inside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

GLASS CHART - ITEMS SHOWN APPLY U.N.O.			
GLAZING THICKNESS	GASKET EXTERIOR	GASKET INTERIOR	GLAZING ADAPTOR U.N.O
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

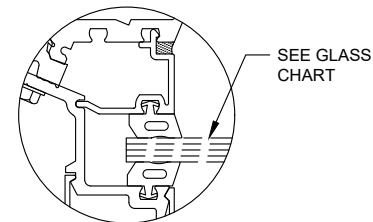
*Non-stock item



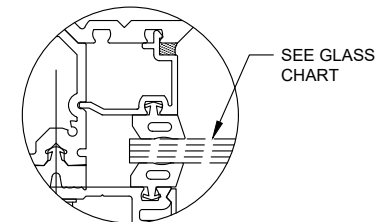
135° INSIDE CORNER
(SEE NOTE 5)



90° INSIDE CORNER
(SEE NOTE 5)

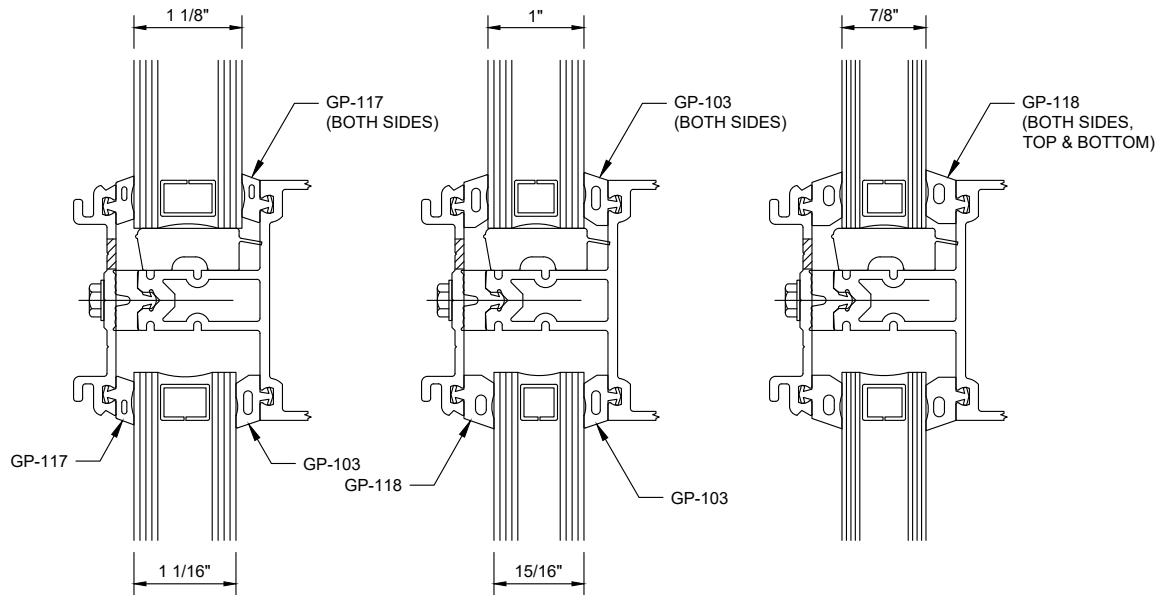


135° OUTSIDE CORNER



90° OUTSIDE CORNER

Reliance™ Curtain Wall Spandrel Glazing Options - M3446

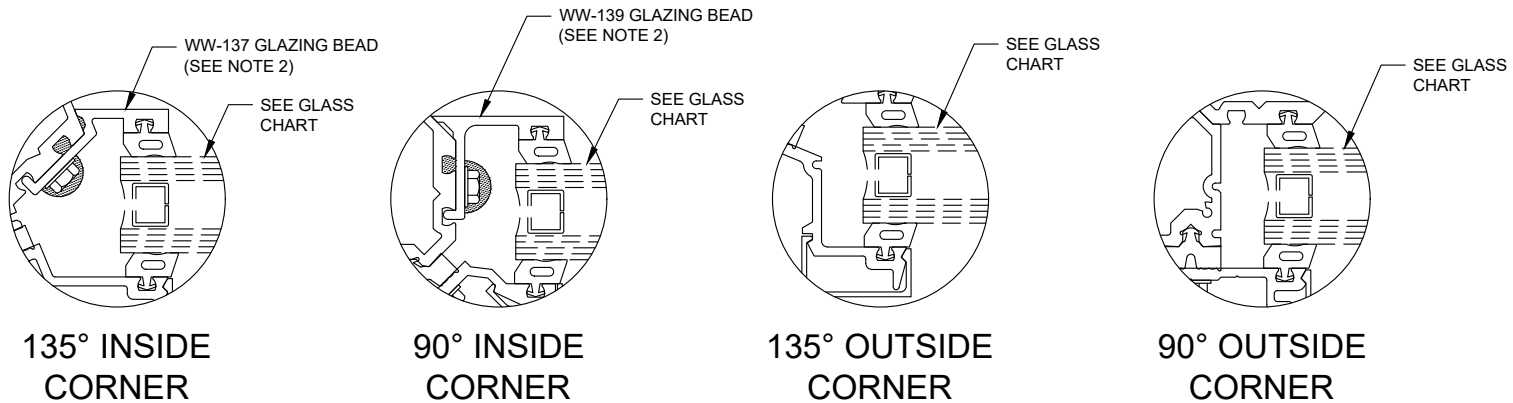


NOTE: 135° SINGLE MULL CORNER OPTIONS UNAVAILABLE ON 10" SYSTEM

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)



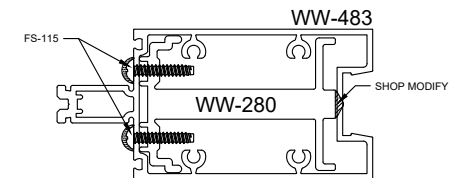
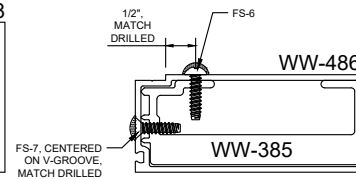
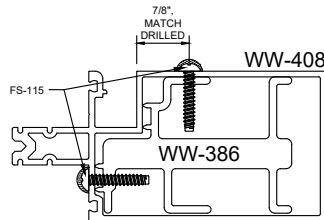
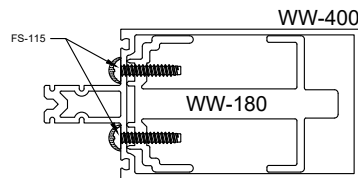
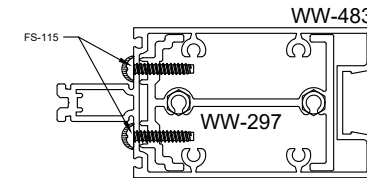
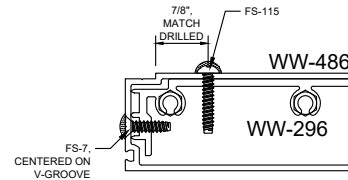
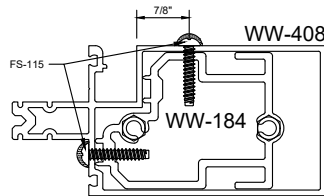
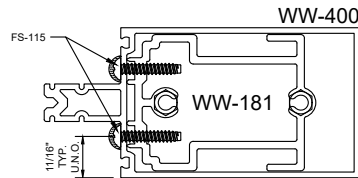
Reliance™ Curtain Wall Vision Glazing Options - M3448

SHEAR BLOCKS - SQUARE CUT VERTICALS			
PART NO.	USED WITH HORIZONTAL(S)	APPLICATION	HORIZONTAL ATTACHMENT SCREWS
WW-181-01	WW-400/401/402/432/433/1183/WW-500/501/502/532/533/1040	TYPICAL SHEAR BLOCK	(2) FS-115 @ CAPTURED HORIZONTALS / (2) FS-7 @ SSG & UPPER STACK HORIZONTALS
WW-184-01	WW-408/WW-508	GUTTERED HORIZONTALS AT SPANDREL/BACKPAN	(2) FS-115
WW-296-01	WW-486/586	LOWER STACK HORIZONTAL	(1) FS-115, (1) FS-7
WW-297-01	WW-483/583	UPPER STACK HORIZONTAL (VISION)	(2) FS-7

SHEAR BLOCKS - SINGLE MULLION MITERED CORNERS			
PART NO.	USED WITH HORIZONTAL(S)	APPLICATION	HORIZONTAL ATTACHMENT SCREWS
WW-180-01	WW-400/401/402/432/433/1183/WW-500/501/502/532/533/1040	TYPICAL SHEAR BLOCK - 90° OUTSIDE CORNERS	(2) FS-115 @ CAPTURED HORIZONTALS / (2) FS-7 @ SSG HORIZONTALS
WW-180-02	WW-400/401/402/432/433/1183/WW-500/501/502/532/533/1040	TYPICAL SHEAR BLOCK - 135° (INSIDE/OUTSIDE) CORNERS	(2) FS-115 @ CAPTURED HORIZONTALS / (2) FS-7 @ SSG HORIZONTALS
WW-180-03	WW-400/401/402/432/433/1183/WW-500/501/502/532/533/1040	TYPICAL SHEAR BLOCK - 90° INSIDE CORNERS	(2) FS-115 @ CAPTURED HORIZONTALS / (2) FS-7 @ SSG HORIZONTALS
WW-385-01	WW-486/586	LOWER STACK HORIZONTAL - 90° O.S. CORNER R.H.	(1) FS-6 / (1) FS-7
WW-385-02	WW-486/586	LOWER STACK HORIZONTAL - 90° O.S. CORNER L.H.	(1) FS-6 / (1) FS-7
WW-385-03	WW-486/586	LOWER STACK HORIZONTAL - 135° O.S. CORNER R.H. / I.S. CORNER L.H.	(1) FS-6 / (1) FS-7
WW-385-04	WW-486/586	LOWER STACK HORIZONTAL - 135° O.S. CORNER L.H. / I.S. CORNER R.H.	(1) FS-6 / (1) FS-7
WW-385-05	WW-486/586	LOWER STACK HORIZONTAL - 90° I.S. CORNER R.H.	(1) FS-6 / (1) FS-7
WW-385-06	WW-486/586	LOWER STACK HORIZONTAL - 90° I.S. CORNER L.H.	(1) FS-6 / (1) FS-7
WW-386-01	WW-408/508	GUTTERED HORIZONTAL - 90° O.S. CORNER R.H.	(2) FS-115
WW-386-02	WW-408/508	GUTTERED HORIZONTAL - 90° O.S. CORNER L.H.	(2) FS-115
WW-386-03	WW-408/508	GUTTERED HORIZONTAL - 135° O.S. CORNER R.H. / I.S. CORNER L.H.	(2) FS-115
WW-386-04	WW-408/508	GUTTERED HORIZONTAL - 135° O.S. CORNER L.H. / I.S. CORNER R.H.	(2) FS-115
WW-386-05	WW-408/508	GUTTERED HORIZONTAL - 90° I.S. CORNER R.H.	(2) FS-115
WW-386-06	WW-408/508	GUTTERED HORIZONTAL - 90° I.S. CORNER L.H.	(2) FS-115

NOTES:

1. ALL SHEAR BLOCKS ATTACH TO VERTICAL MULLIONS W/ (2) FS-9 ASSEMBLY FASTENERS.
2. CAP SEAL ALL HORIZONTAL TO SHEAR BLOCK CONNECTIONS.
3. WHEREVER POCKET FILLERS ARE APPLIED, FRONT OF HORIZONTAL CONNECTION FASTENERS WILL BE FLAT HEAD SCREWS (FS-7 TYP.).
4. IF CORNER SHEAR BLOCK IS NEEDED FOR WW-483/583 UPPER VISION STACK HORIZONTAL, USE TYPICAL SHEAR BLOCKS FROM RELIANCE-SS SYSTEM (WW-280-XX) AND SHOP MODIFY TO FIT (SEE FIGURE BELOW).



Reliance™ Curtain Wall Shear Block Chart - M3450