



NATIONAL CERTIFIED TESTING LABORATORIES

FIVE LEIGH DRIVE • YORK, PENNSYLVANIA 17406 • TELEPHONE (717) 846-1200
FAX (717) 767-4100
www.nctlinc.com

IN-PLANT TEST REPORT

NCTL-110-24998-1

**Dawson Doors
825 Allen Street
Jamestown, NY 14701**

825 Allen Street, Jamestown, NY 14701

TEST DATE

3/14/22

REPORT DATE

3/15/22

REVISION DATE

4/27/22





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Report Number NCTL-110-24998-1

Report Date 3/15/22
Revision Date 4/27/22
Report To Dawson Doors
825 Allen Street
Jamestown, NY 14701

Job Site 825 Allen Street, Jamestown, NY 14701

Test Date(s) 3/14/22

On-Site Date(s) 3/14/22

Field Test Method(s) ASTM E283-04(12), "Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen."

ASTM E331-00(16), "Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference."

TESTING PROCEDURE(S)

Note: Unless otherwise noted, all dimensions are in the order (Width x Height x Thickness) and all designations are from an interior view

All testing was conducted at Dawson Doors, 825 Allen Street, Jamestown, NY 14701. National Certified Testing Laboratories, Inc., was contracted by Dawson Doors to witness performance testing on a product mock-up for the above-referenced project. All calibration data was provided. This report includes written and photographic documentation of the testing performed and a copy of the "As-Built" product drawings.

The test specimen successfully met all criteria outlined in the testing procedure

SPECIMEN DESCRIPTION

Note: Unless otherwise noted, all dimensions are in the order (Width x Height x Thickness) and all designations are from an interior view

The test specimen was a Center Pivoted French Entry Door(s). The product employed (2) operable leaves. The unit was installed into wood and plexiglass test chamber and fastened into the test chamber and sealed with a silicone sealant. See attached "As-Built" drawings for a full description of the product.

TEST RESULTS

Note: Unless otherwise noted, all dimensions are in the order (Width x Height x Thickness) and all designations are from an interior view

Date	Test	=	Pass/ No Damage
03/14/22	Open/ Close/ Lock Cycling 5 Cycles Per Vent Allowed	= =	Pass/ No Damage No Damage
03/14/22	Air Infiltration – Operable Vents 1.57 psf (25 mph) Result Allowed	= =	0.19 cfm/ft ² 1.0 cfm/ft ²
03/14/22	Static Water Penetration 1.0 psf (20.0 mph) Duration: 15 Minutes	= =	Pass/ No Leakage No Leakage

Witness Log: (All or Partial)

Client	Company
Drew Klinedinst	NCTL
Robert Linger	Dawson Doors
Troy Barber	Dawson Doors

This test report was prepared by National Certified Testing Laboratories (NCTL), for the exclusive use of the above named client and it does not constitute certification, or approval of this product or materials. The results are for the particular specimen tested and do not imply the quality of similar or identical products manufactured or installed from specifications identical to the tested product. The results in this report are actual tested values and are applicable to the specimen tested only. The test specimen was supplied to NCTL by the above named client. NCTL is a testing lab and assumes that all information provided by the client is accurate and does not guarantee or warranty any product tested or installed.

A copy of this report will be retained by NCTL for a period of four (4) years. This report does not constitute certification or approval of the product, which may only be granted by a certification program validator or recognized approval entity. All tests were conducted in full compliance with the referenced specifications and/or test methods. This report is the joint property of National Certified Testing Laboratories, Inc. and the Client to whom it is issued. Permission to reproduce this report by anyone other than National Certified Testing Laboratories, Inc. and the Client must be granted in writing by both of the above parties. This report may not be reproduced, except its entirety, without the written consent of NCTL.

National Certified Testing Laboratories



Drew Klinedinst
Field Testing Manager

- DWK/bnr
Attachments
 - Appendix A - Revision Summary
 - Appendix B - Photographs
 - Appendix C - Drawings

Appendix A

Revision Log

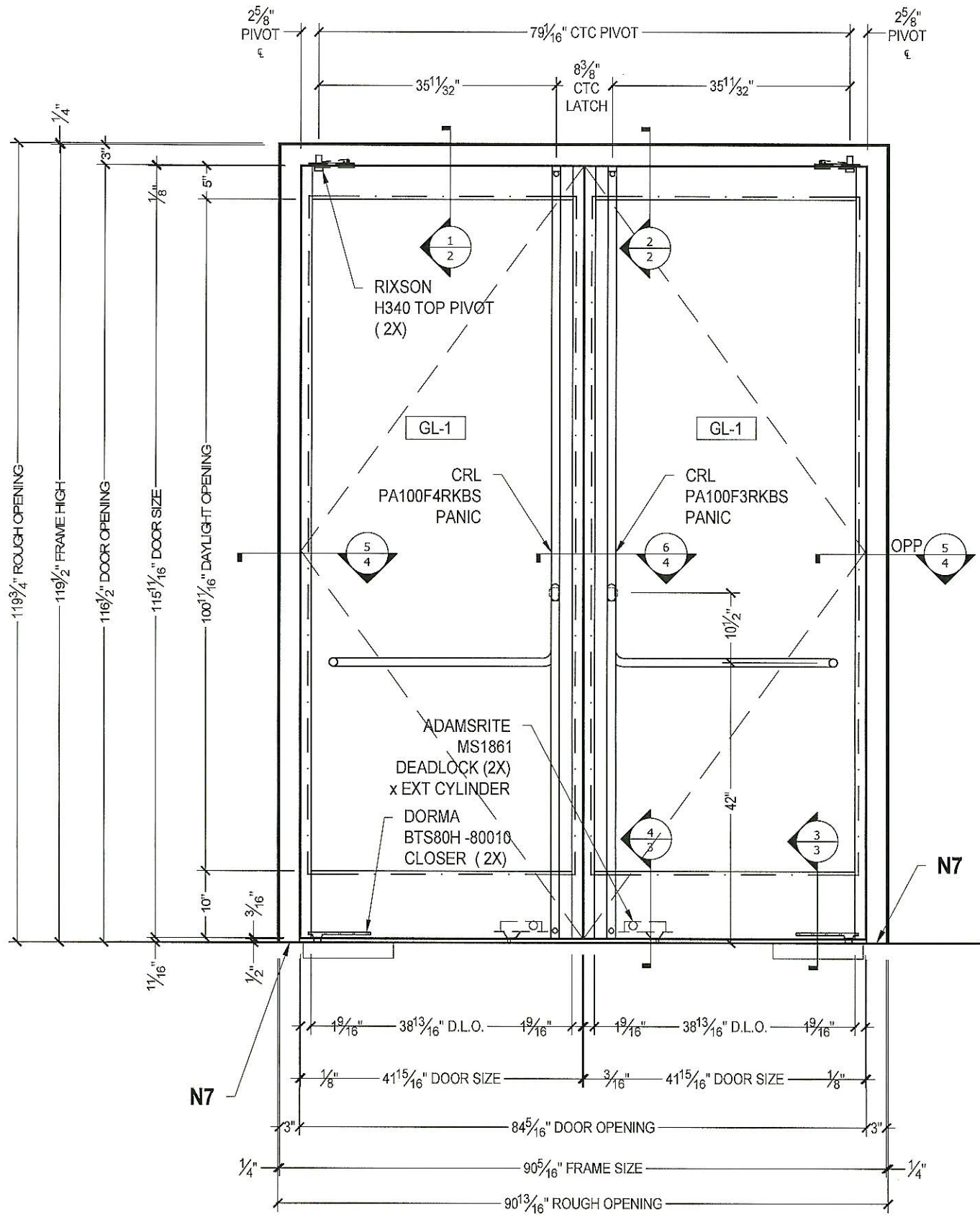
<u>Identification</u>	<u>Date</u>	<u>Page & Revision</u>
Original Issue	03/15/22	Not Applicable
Rev 01	4/27/22	Updated Air Infiltration Allowed per client request

Appendix B
Photographs



Appendix C

Drawings



A EXTERIOR ELEVATION
Scale: 1:20

ASSEMBLY COMPONENTS	ITEM	PART #	NOTES, PART DESCRIPTION
	N1	SHEET 5	DAWSON THERMALLY BROKEN METAL FRAME ASSEMBLY
	N2		#14 x 1 1/2" WOOD SELF TAPPING ANCHORS @ MAX 18" O.C.
	N3	SHEET 6	DAWSON THERMALLY BROKEN TOP RAIL ASSEMBLY
	N4	SHEET 6	DAWSON THERMALLY BROKEN BOTTOM RAIL ASSEMBLY
	N5	SHEET 6	DAWSON THERMALLY BROKEN VERTICAL STILE ASSEMBLY
	N6	SHEET 5	DAWSON BRAKE FORMED DOOR STOP ASSEMBLY
	N7	SHEET 5	DAWSON BRAKE FORMED 16 GA. SLOPED THRESHOLD ASSEMBLY
	N8		JAMBS SHALL HAVE END CAP AT BASE, AND SET IN BED OF SILICONE.
GLAZING	GL-1		1" INSULATED: 1/4" CLEAR TEMPERED x ENERGY SELECT 40 x 1/2" AIR x 1/4" CLEAR TEMPERED
	G2	ELA795-BL	DOW CORNING 795 SILICONE
	G3	ELA121-BL	DOW CORNING SEALANT 121
WEATHERSTRIP	W1		PERIMETER CAULKING, CLOSED CELL BACKER ROD & SILICONE SEALANT
	W2	DD-SFB105BLFS	SEALEZE XTRA SEAL STRIP BRUSH
	W3	WST5043G	1/2" HIGH ULTRA FAB GREY ROUND YARN
	W4	WS797	REESE 797-B ADHESIVE BACKED BULB SEAL
	W5		1/8" THICK x 3/4" CLOSED CELL FOAM, CONTINUOUS
	W6		1/16" THICK x 3/4" WIDE CLOSED CELL FOAM, CONTINUOUS
	W7		SET THRESHOLD ASSEMBLY IN BED OF SILICONE
HARDWARE	H1	PA100F4RKBS	CRL PANIC DEVICE X FULL HEIGHT EXTERIOR PULL
	H2	PK2BS	CRL MANUAL STRIKE
	H3	H340	RIXSON H340 TOP PIVOT
	H4	BTS80-80010	DORMA BTS-80 FLOOR CLOSER
	H5	MS1861	ADAMSRITE MS1861 BOTTOM RAIL DEADLOCK

TESTING REQUIREMENTS	
AIR INFILTRATION:	ASTM E283
LIMITED WATER:	ASTM E331 (MODIFIED PRESSURE)

REVISIONS

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825 Allen Street, Jamestown, N.Y. 14701
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PROJECT
CENTER PIVOTED
DT-010 SERIES
AIR AND WATER TEST

CONTRACTOR

Drawn By: T.B. Date: 03-11-22
SHEET NO. 1 OF 6

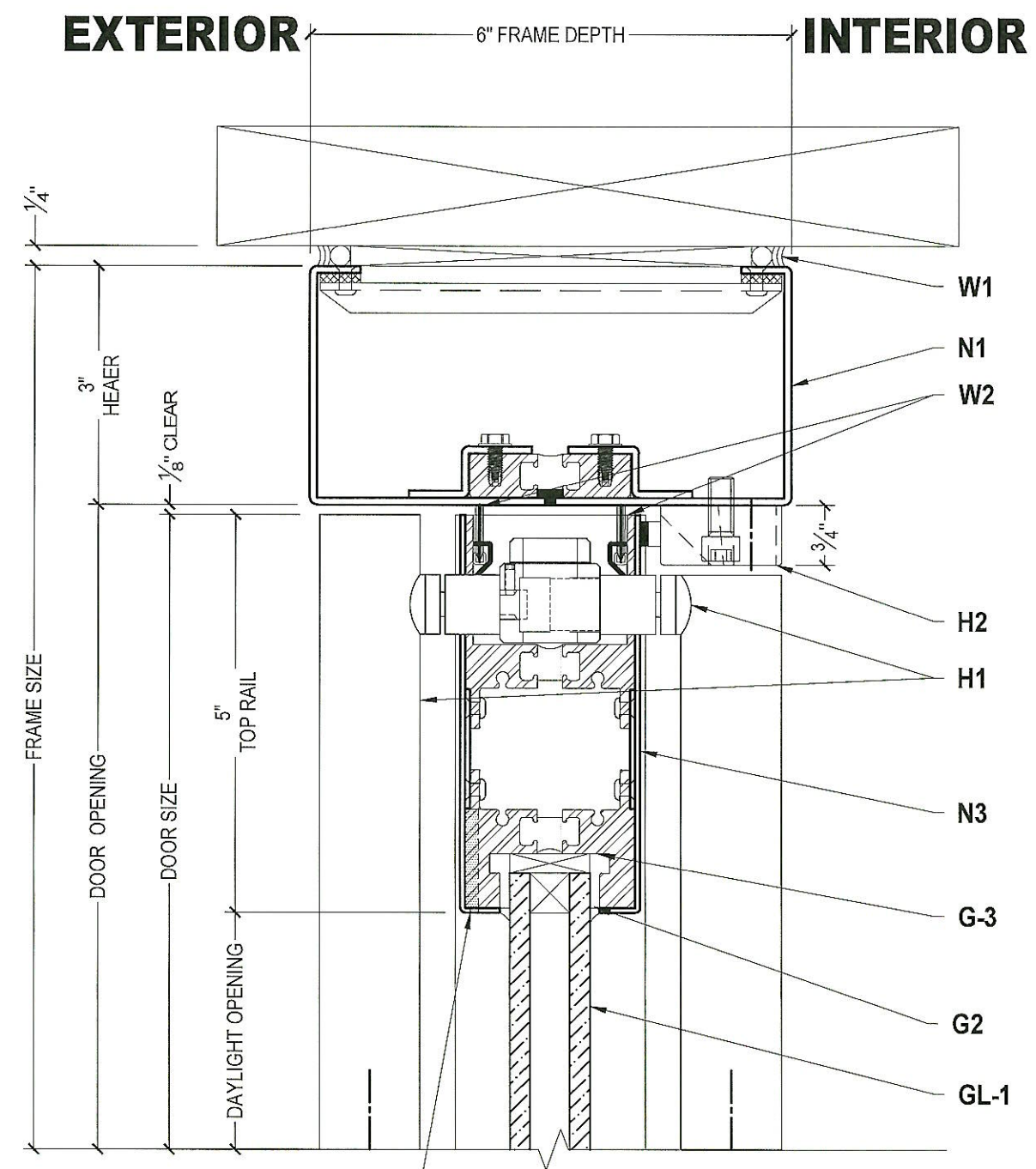
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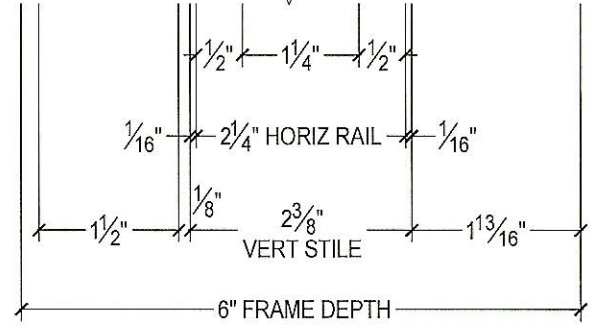
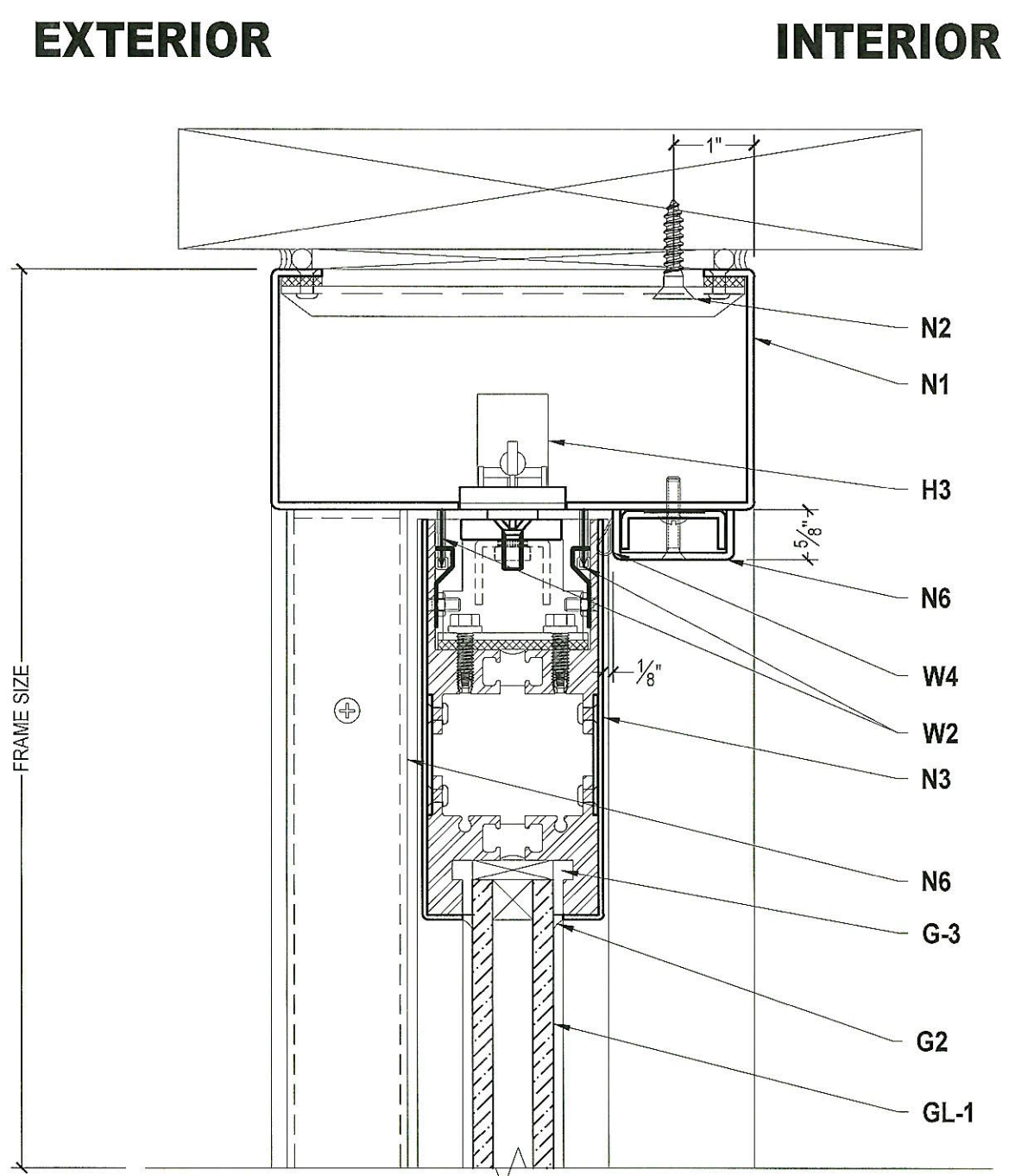
PROJECT
**CENTER PIVOTED
 NARROW STILE DOUBLE DOOR
 AIR AND WATER TESTING**

CONTRACTOR

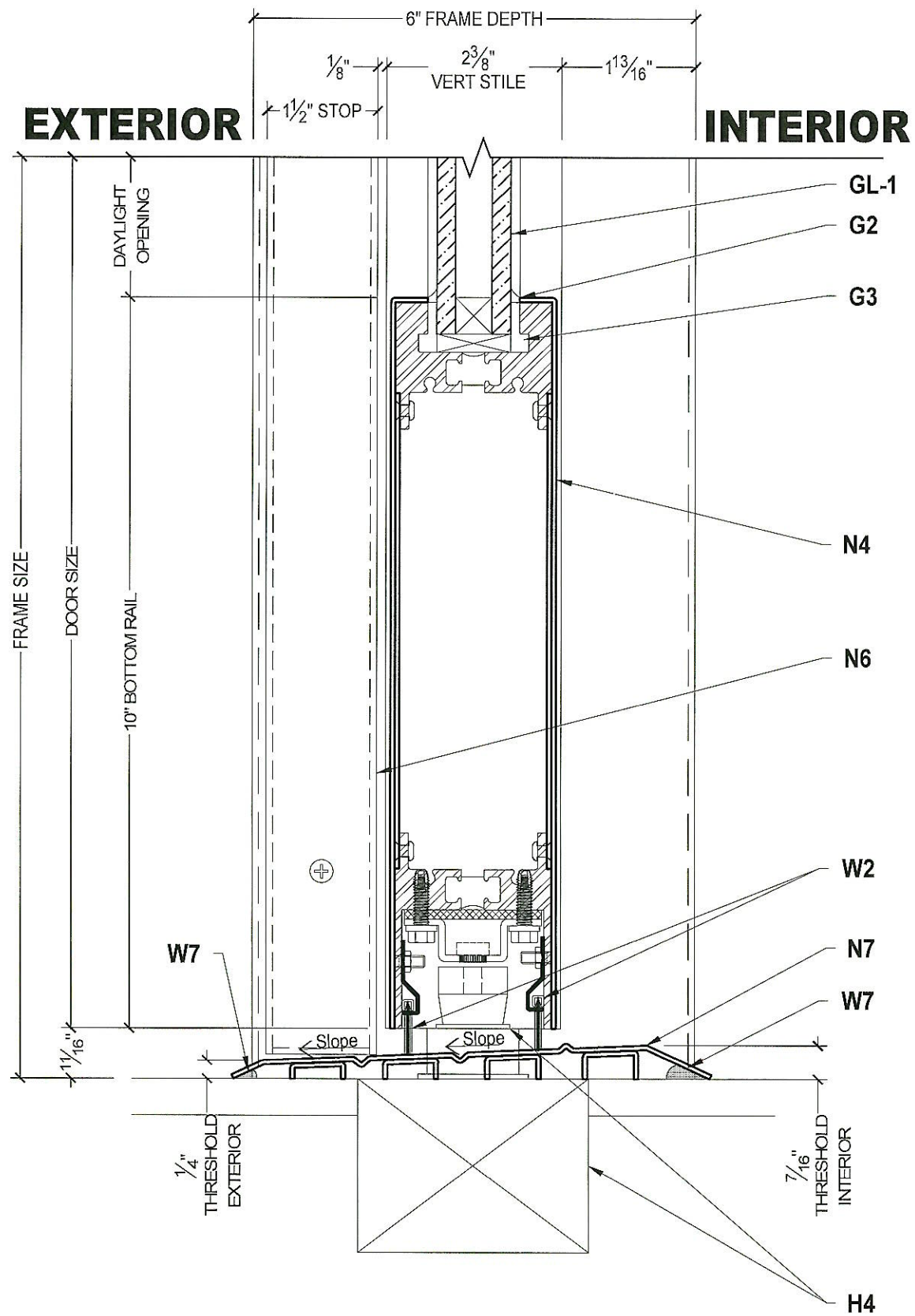
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 SHEET NO. **2** OF **6**



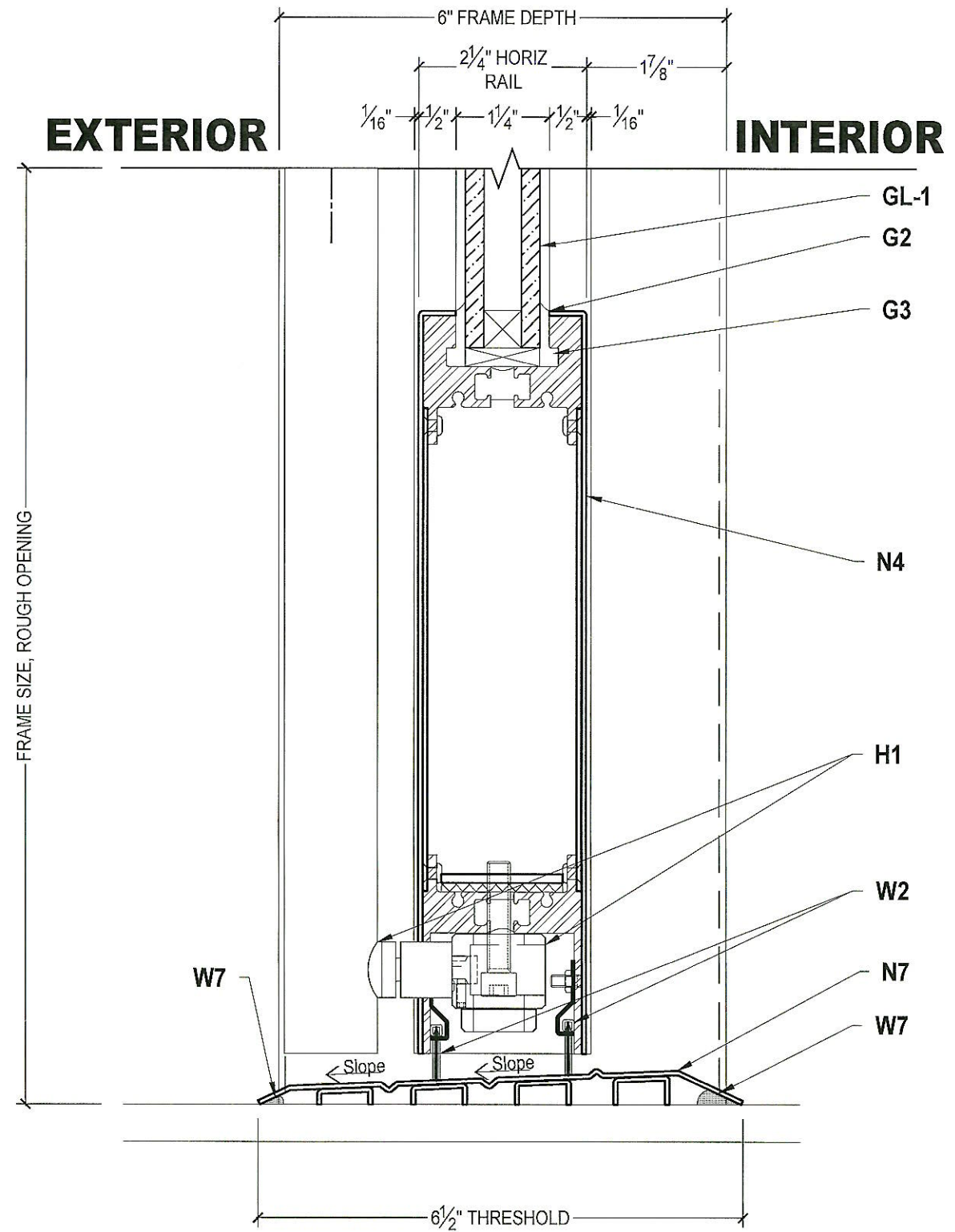
1 TOP RAIL - @ LOCK
 Scale: 1:2



2 TOP RAIL @ PIVOT
 Scale: 1:2



3 BOTTOM RAIL @ CRL
Scale: 1:2



4 BOTTOM RAIL @ CRL
Scale: 1:2

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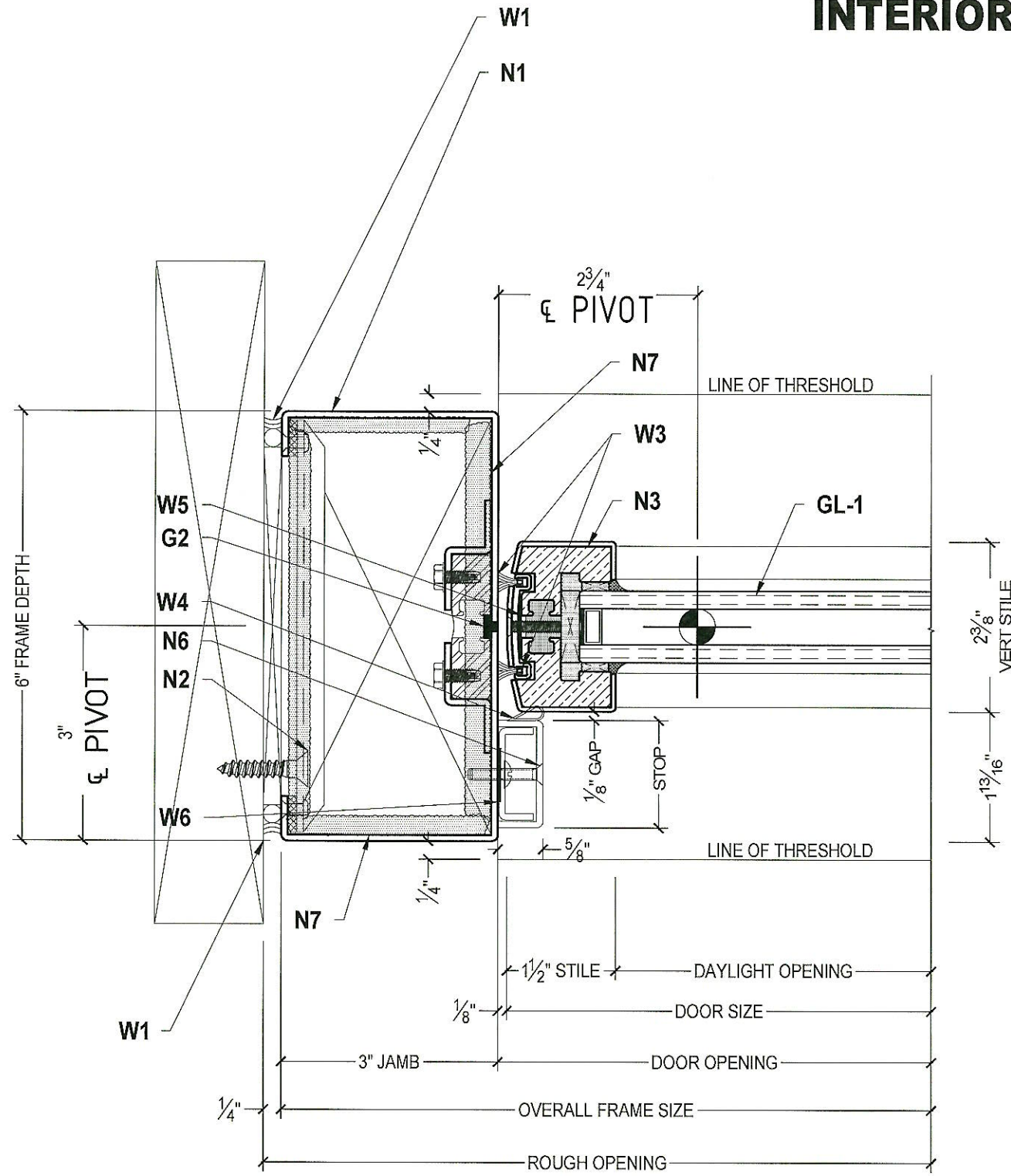
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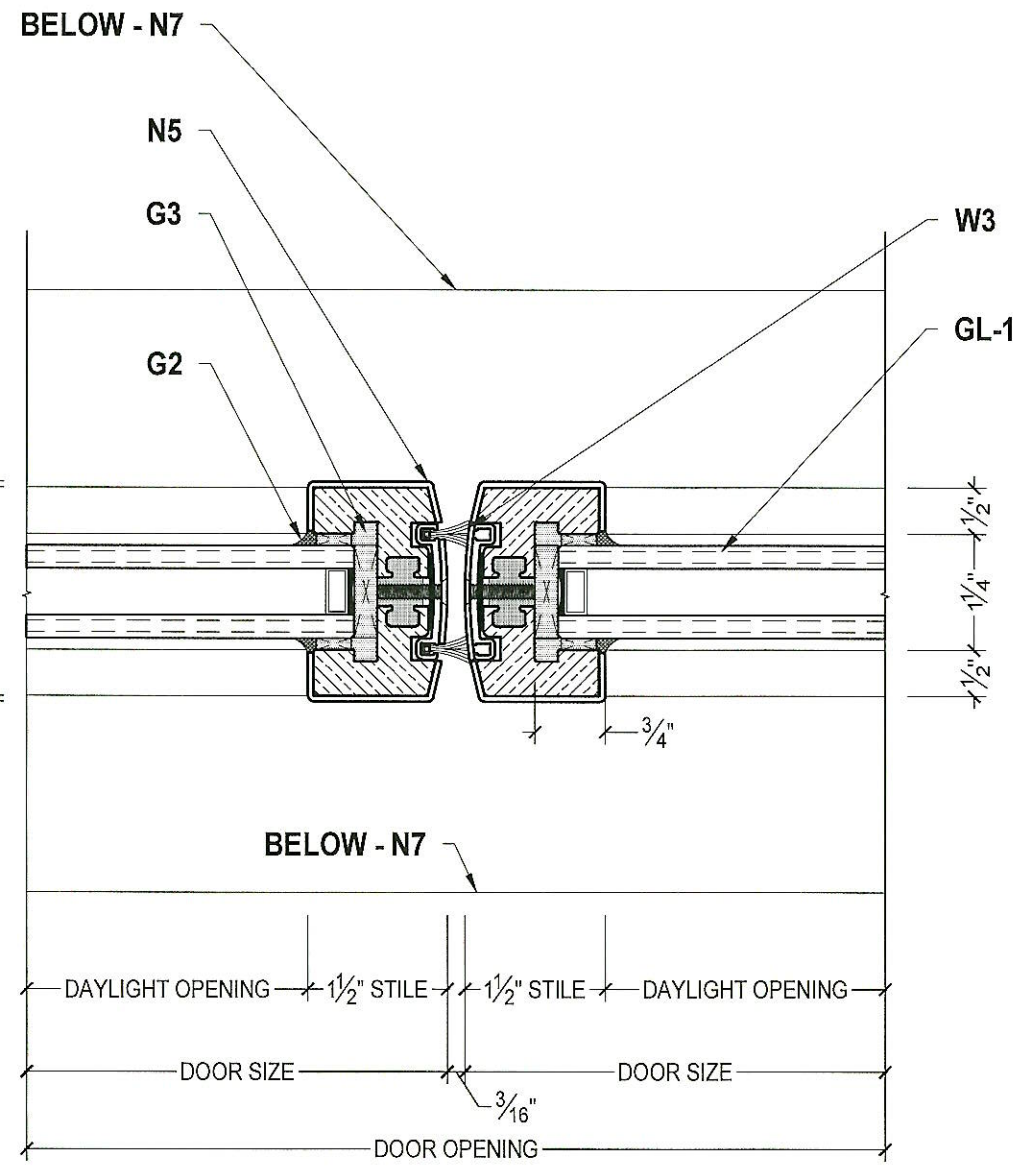
3 OF **6**

INTERIOR

INTERIOR



5 PIVOT STILE
Scale: 1:2
EXTERIOR



6 MEETING STILE
Scale: 1:2
EXTERIOR

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CONTRACTOR

Drawn By: T.B. Date: 03-11-22

SHEET NO.

4 OF 6

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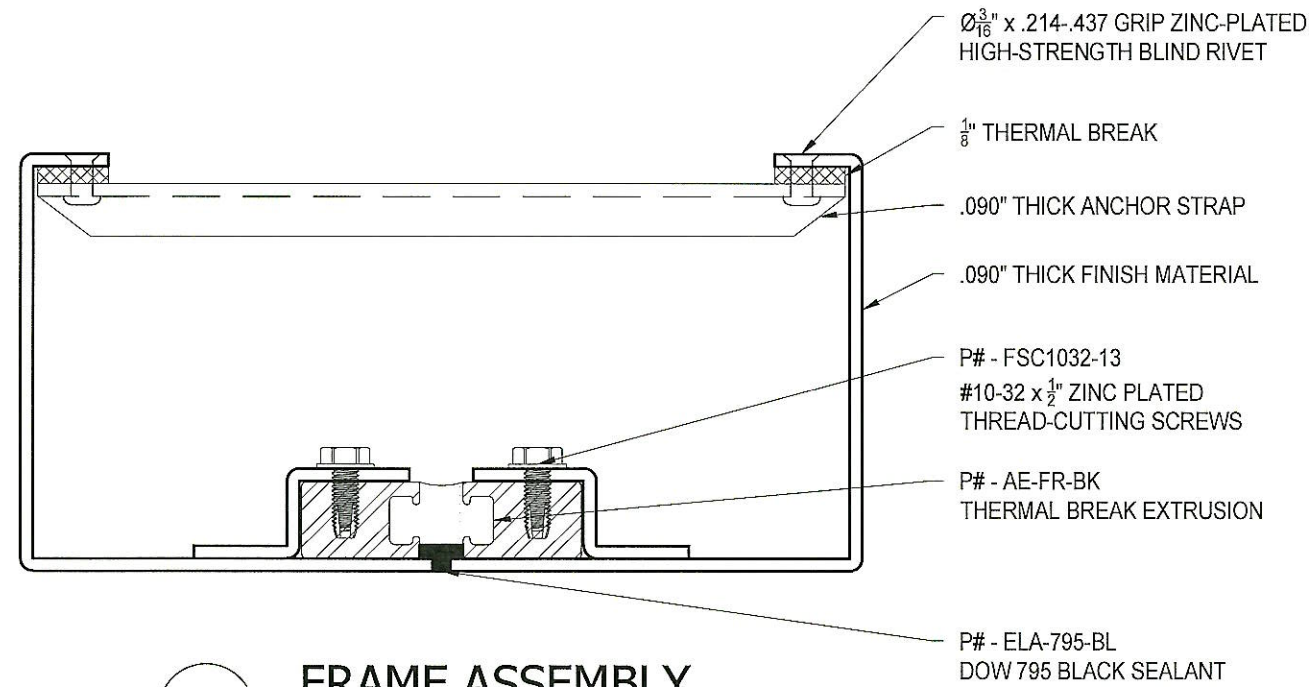
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CENTER PIVOTED
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CONTRACTOR

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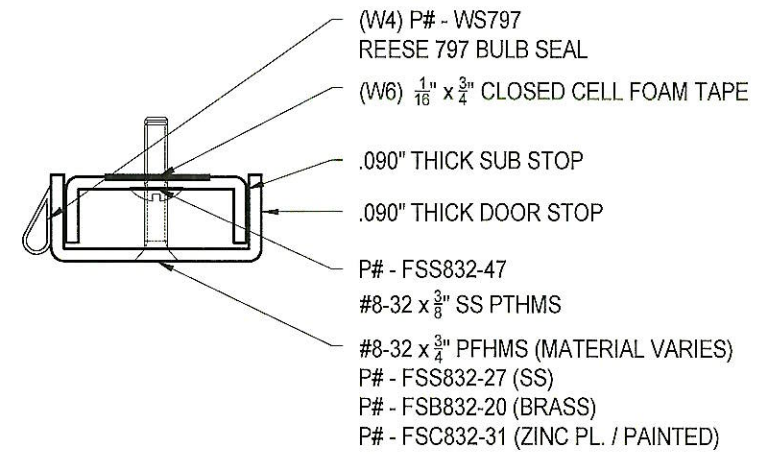
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5 OF 6



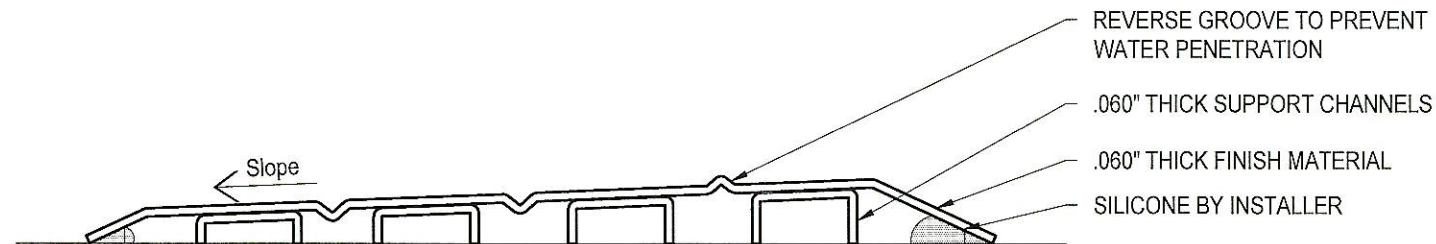
N1 FRAME ASSEMBLY

Scale: 3/4 : 1



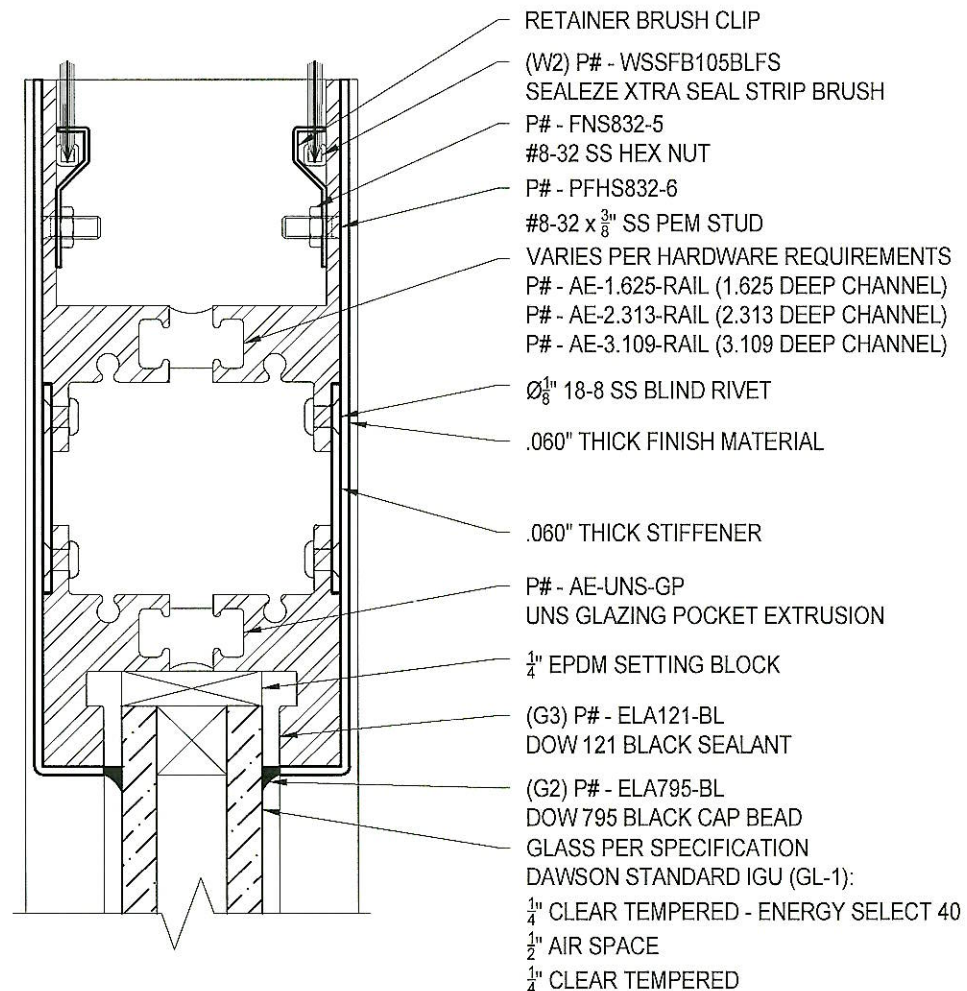
N6 DOOR STOP ASSEMBLY

Scale: 3/4 : 1

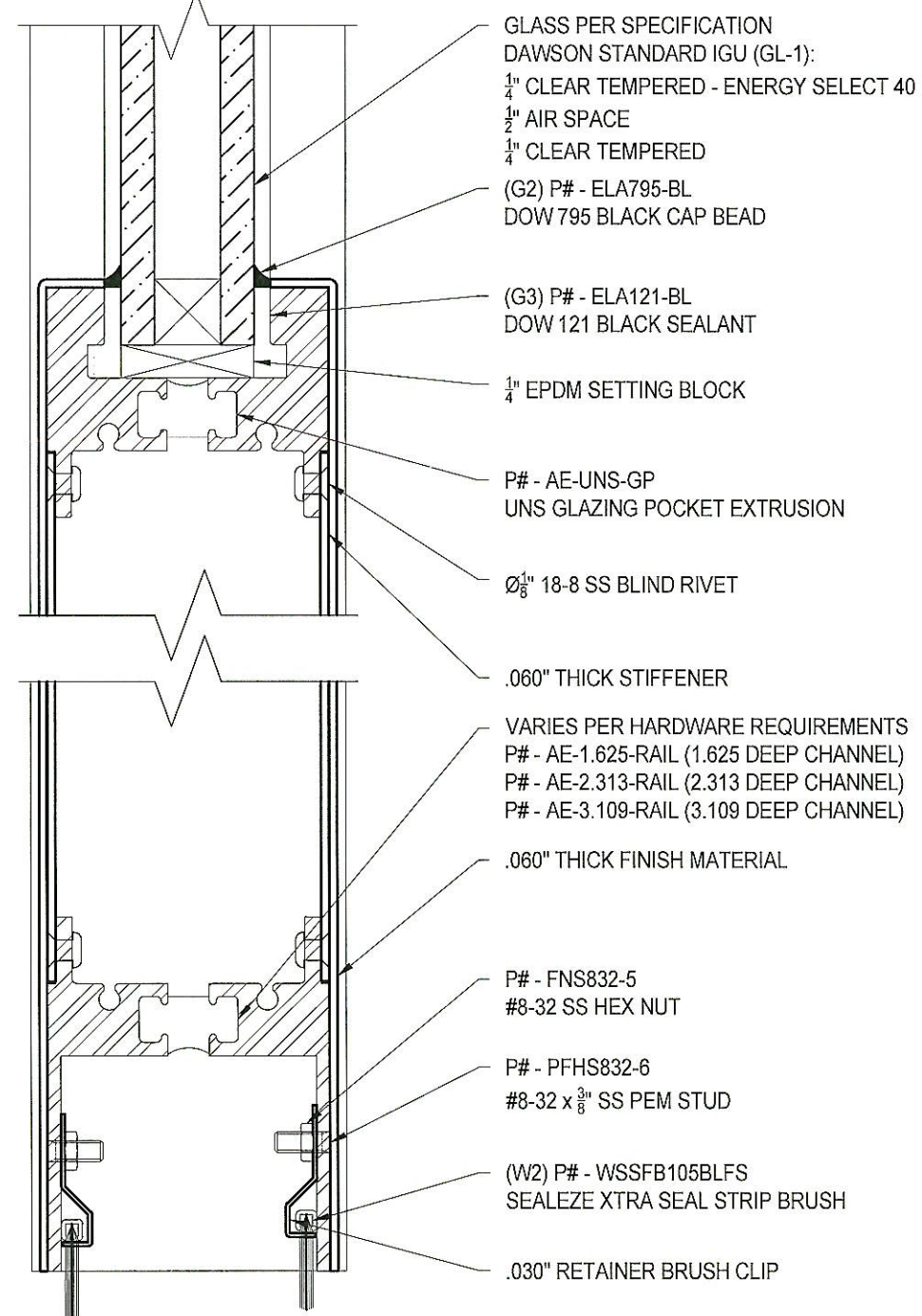


N7 THRESHOLD ASSEMBLY

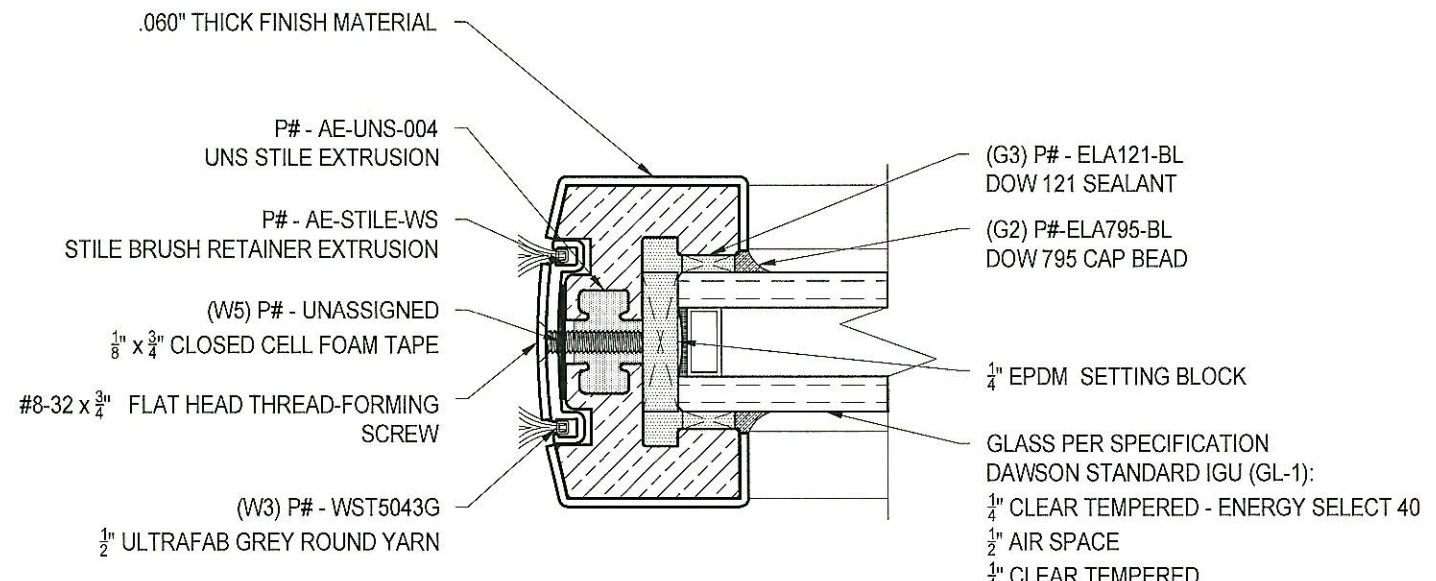
Scale: 3/4 : 1



N3 TOP RAIL ASSEMBLY
 Scale: 3/4 : 1



N4 BOTTOM RAIL ASSEMBLY
 Scale: 3/4 : 1



N5 UNS STILE ASSEMBLY
 Scale: 3/4 : 1

REVISIONS							
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PROJECT	<p>CENTER PIVOTED NARROW STILE DOUBLE DOOR AIR AND WATER TESTING</p>						
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SHEET NO.							
6	OF 6						