

INSTALLATION SHOP DRAWING FOR MARLBOROUGH APARTMENTS BUILDING RENOVATIONS

1031 MARLBOROUGH ST.; DETROIT, MI

REV.	DATE	REV.	DATE
1	2-14-19	1	
2	2-28-19	2	
3		3	
4		4	
5		5	

General Notes

- 1) WARRANTY
- a) All warranties for the performance of Pella® Products are void if the product is installed contrary to these installation shop drawings and other applicable standard product installation instructions. See www.pella.com for the Pella product limited warranty and care instructions.
- 2) RESPONSIBILITY FOR PROPER INSTALLATION AND CODE COMPLIANCE
- a) These drawings and details are prepared exclusively for use with Pella products, are based on the information provided to Pella Corporation, and are prepared for use by architects, contractors, or other construction professionals. Final approval by others is required to assure proper integration with other building materials and trades, and compliance with code and design intent. Pella Corporation is not responsible for any form of hazardous material encountered in connection with the installation and use of the Pella products. Pella Corporation is not responsible for deviation from the designed installation or for any errors occurring through the use of these drawings for purposes other than installation of Pella products.
- b) It is the responsibility of the architect and contractor to verify all dimensions, quantities, grille patterns, installation details, product performance requirements, safety glazing requirements, and egress requirements for compliance with local codes, government regulations and project requirements prior to fabrication of Pella products. Pella Corporation will not be responsible for noncompliance nor accept responsibility beyond manufacturing products in accordance with dimensions shown on these drawings. CAUTION: Unless indicated otherwise, these units are glazed with annealed glass and cannot be installed in hazardous locations as defined by local codes and/or government laws and regulations.
- c) Install all Pella products and accessories in accordance with these drawings and standard product installation instructions. Unless specified otherwise in these drawings, Pella product installation, all exterior and interior wood trim, blocking, sealant, backer rod, shims, wall flashing, and insulation are provided by others.
- d) Special Sealants Note: Interior and exterior sealants must be commercial grade complying with the project architectural specifications and shall meet ASTM-C920, unless otherwise specified on these drawings. Sealants used in the installation of the Pella windows and doors must be installed per sealant manufacturers' recommendations, local code requirements, and state and federal laws, including proper application, surface preparation, use of primers, compatibility with other sealants and adjacent materials. Backer rods shall be non-gassing, comply with ASTM C1330 and applicable for its intended use. Its diameter should be 25 percent greater than the joint width for joints less than 1".
- e) Windows and doors are sized to accommodate the following opening tolerances except where local codes are more stringent.
- Vertical dimensions between high and low points -- plus 1/4" or minus 0"
 - Width dimensions -- plus 1/4" or minus 0"
- 3) NOTE ON BARRIER WALL SYSTEMS, EXTERIOR INSULATION AND FINISH SYSTEMS AND OTHER NON-WATER MANAGED SYSTEMS:
- a) Because all construction must anticipate some water infiltration, it is important that the wall system be designed and constructed to properly manage moisture. Pella Corporation is not responsible for claims or damages caused by anticipated and unanticipated water infiltration, deficiencies in building design, construction and maintenance; failure to install Pella products in accordance with Pella's installation instructions, or the use of Pella products in barrier wall systems which do not allow for proper management of moisture within the wall system (see the following). The determination of the suitability of all building components, including the use of Pella products, as well as the design and installation of flashing and sealing systems is the responsibility of the Buyer or User, the architect, contractor, installer, or other construction professional and is not the responsibility of Pella. All risks related to building design and construction, or the maintenance, installation and use of Pella products shall be assumed by Buyer and/or User.
- b) **IMPORTANT NOTICE:** Pella products should not be used in barrier wall systems which do not allow for proper management of moisture within the wall systems, such as barrier Exterior Insulation and Finish Systems (EIFS) (also known as synthetic stucco) or similar systems. Except in the states of California, New Mexico, Arizona, Nevada, Utah, and Colorado, Pella makes no warranty of any kind on, and assumes no responsibility for, Pella windows and doors installed in barrier wall systems. In the states listed above, the installation of Pella Products in EIFS or similar barrier systems must be in accordance with Pella's instructions for that type of construction.
- 4) These drawings are the property of Pella Corporation and must not be reproduced in whole or in part without written permission from an authorized representative of Pella Corporation.
- 5) Product cross sections shown on these drawings are subject to change without notice.

Construction Documents Received

THESE DRAWINGS WERE PREPARED FROM THE FOLLOWING INFORMATION		DATED
ARCHITECTURAL PLANS	SHEETS A6, A9	9-23-16
SPECIFICATIONS	NONE	-
ADDENDUM	NONE	-
OTHER	EC-1, EC-2	6-1-17

Mullion Reinforcement

THIS REINFORCING DESIGN CONSIDERS WIND LOADING ON THE COMBINATION AND DEAD LOAD FOR PELLA PRODUCTS ONLY.

MARK #	REINFORCEMENT TYPE	MAX. END LOAD

END CONNECTIONS MUST NOT INTERFERE WITH FRAMES OR SEALANT PLACEMENT. WALL CONSTRUCTION AND END CONNECTIONS MUST BE DESIGNED TO ACCEPT THE LOADS INDICATED. STEEL REINFORCEMENT MUST BE PRIMED & TOP COATED WITH QUALITY PAINT. USE FULL PENETRATION WELDS AT CONNECTIONS.

Abbreviations

ALUM. = ALUMINUM	LBS. = POUNDS	R.O. = ROUGH OPENING
B.O. = BY OTHERS	MAX. = MAXIMUM	SDS. = SELF-DRILLING SCREW
CONT. = CONTINUOUS	MIN. = MINIMUM	SIM. = SIMILAR
CLR. = CLEARANCE	M.O. = MASONRY OPENING	TBD = TO BE DETERMINED
DTL. = DETAIL	NA = NOT APPLICABLE	TOT. FR. = TOTAL FRAME
DIM. = DIMENSION	OC. = ON CENTER	V.G. = VISIBLE GLASS
EQ. = EQUAL	OPG. = OPENING	VIF. = VERIFY IN FIELD
FHWS. = FLAT HEAD WOOD SCREW	OPP. = OPPOSITE	WO. = WINDOW OPENING
FR. = FRAME	REQ'D = REQUIRED	

Hatch Patterns

	PLYWOOD		BRICK		STEEL		FOAM SEALANT
	GYPSUM		CONCRETE		RIGID INSULATION		SOLID
	WOOD		CONCRETE BLOCK		GROUT		BATT INSULATION

Symbols

	= TEMPERED GLAZING		= LAMINATED		= PANEL
	= IMPACT GLAZING		= OBSCURE GLAZING		= SPANDREL
	= FIELD MULLION INDICATOR		= PARTIAL BLOCKING		= SEALANT
	= DETAIL CUT		= CONTINUOUS BLOCKING		= BACKER ROD
	= MULLION REINFORCEMENT		= SPRAY FOAM SEALANT		

Components & Cladding Design Pressures

CODE: ASCE 7-10 (IBC 2012, IBC 2015)

Mean Roof Height (ft):	40	Building Length (ft):	NA
Design Wind Speed (MPH):	115	Building Width (ft):	NA
Exposure Category:	C	Edge Strip "a"(ft):	Verify
Building Classification/Occupant Category:	II		
Topographical Factor:	1		

Sq ft of opening	Zone 4		Zone 5	
	Pos	Neg	Pos	Neg
10	21.2	-23.1	21.2	-28.5
20	20.2	-22.2	20.2	-26.6
50	18.9	-20.9	18.9	-24.0
100	17.9	-19.9	17.9	-22.1
500	15.7	-17.6	15.7	-17.7

Note: The pressures and loads shown have been converted to comply with WDMA/AAMA standards and NAFS Performance rating system. This system is based on Allowable Stress design pressures.

FAILURE TO CONFIRM THESE DESIGN PRESSURES BY A LOCAL STRUCTURAL ENGINEER OR BUILDING OFFICIAL MAY RESULT IN INADEQUATE MULLION DESIGN OR SELECTION OF PRODUCTS.

Field Water Testing

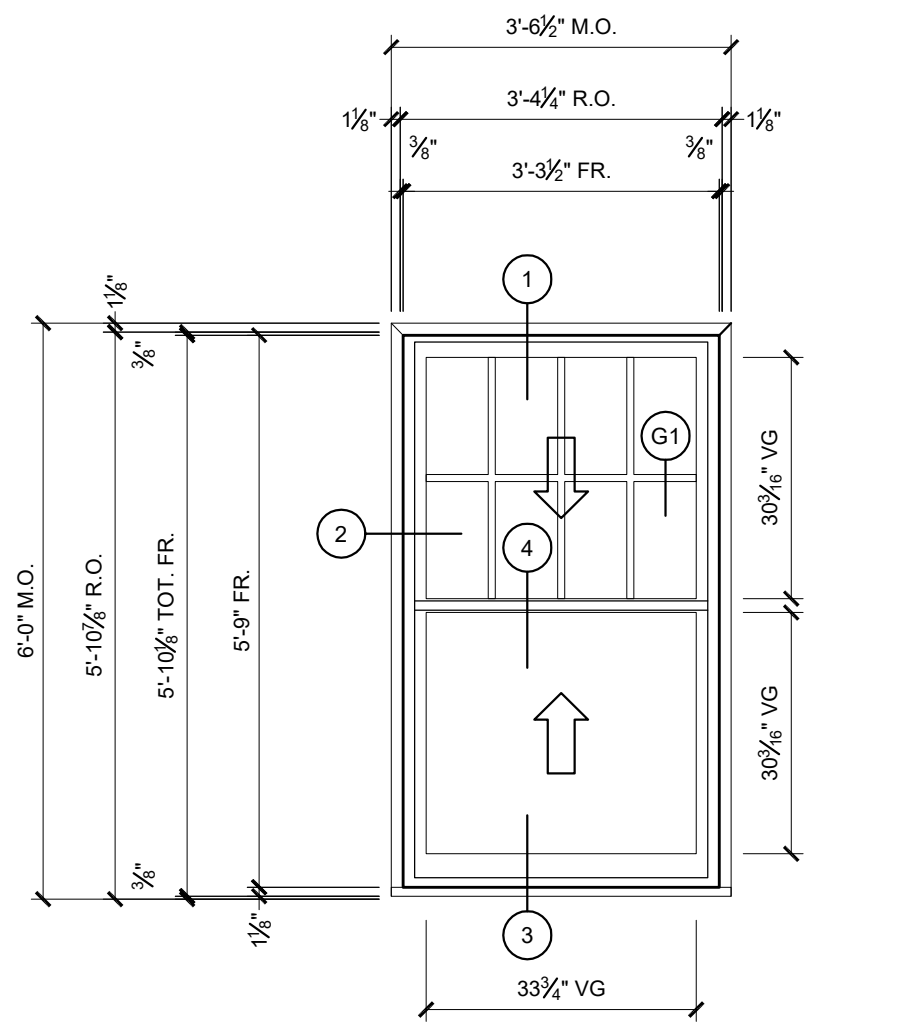
FIELD WATER TESTING (IF SPECIFIED) SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E1105 TEST PROCEDURE B. THE TEST PRESSURE SHALL BE BASED ON THE MAXIMUM POSITIVE COMPONENTS AND CLADDING DESIGN PRESSURE. UTILIZING THE AAMA 502 FIELD TEST REDUCTION, THE WATER TEST PRESSURE IS 10% OF THE MAXIMUM POSITIVE DESIGN PRESSURE.

Deviations from Architectural Drawings

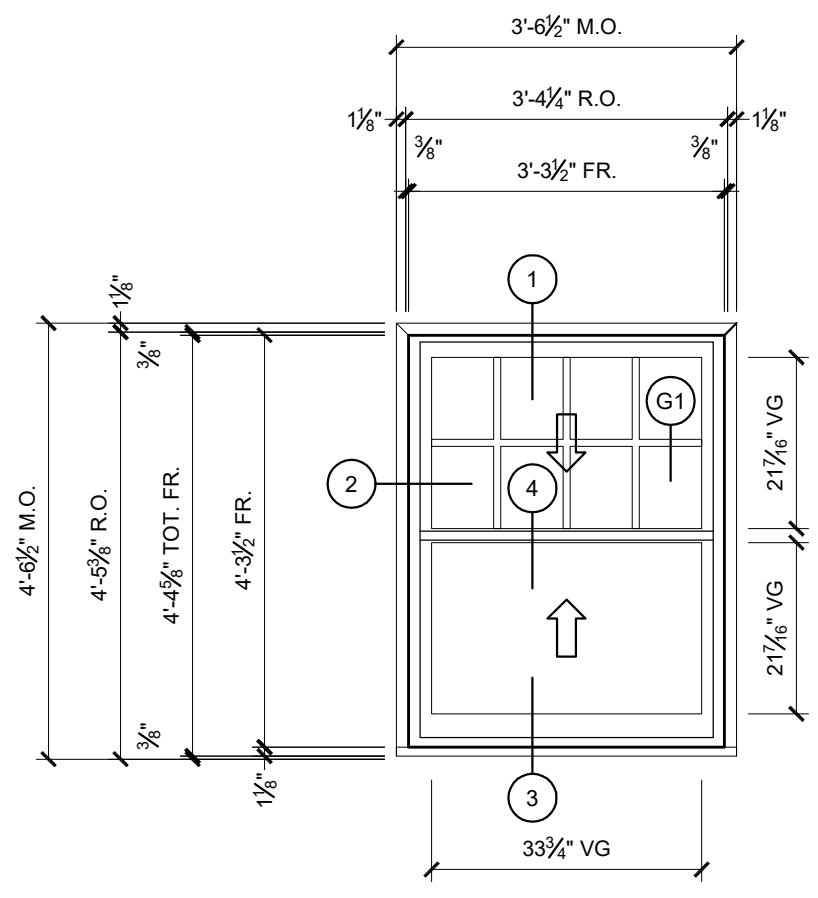
- CONFIRM THE FOLLOWING ITEMS ARE ACCEPTABLE WITH THE GENERAL CONTRACTOR AND PROJECT ARCHITECT:
- THE WINDOW SCHEDULE IN THE ARCHITECTURAL DRAWINGS INDICATES 1" THICKNESS INSULATED GLAZING IS REQUIRED. PELLA GLAZING THICKNESS VARIES WITH THE STRUCTURAL REQUIREMENTS OF THE PRODUCT.
 - THE WINDOW SCHEDULE IN THE ARCHITECTURAL DRAWINGS INDICATES A GRILLE PATTERN FOR THE TYPE C, D AND E WINDOWS THAT VARY FROM THAT OF THE TYPE D AND E PELLA WINDOWS IN THIS SHOP DRAWING.
 - THE WINDOW SCHEDULE IN THE ARCHITECTURAL DRAWINGS INDICATES A QUANTITY OF WINDOWS THAT VARY FROM THAT OF THE QUANTITIES OF PELLA WINDOWS IN THIS SHOP DRAWING.

Special Notes

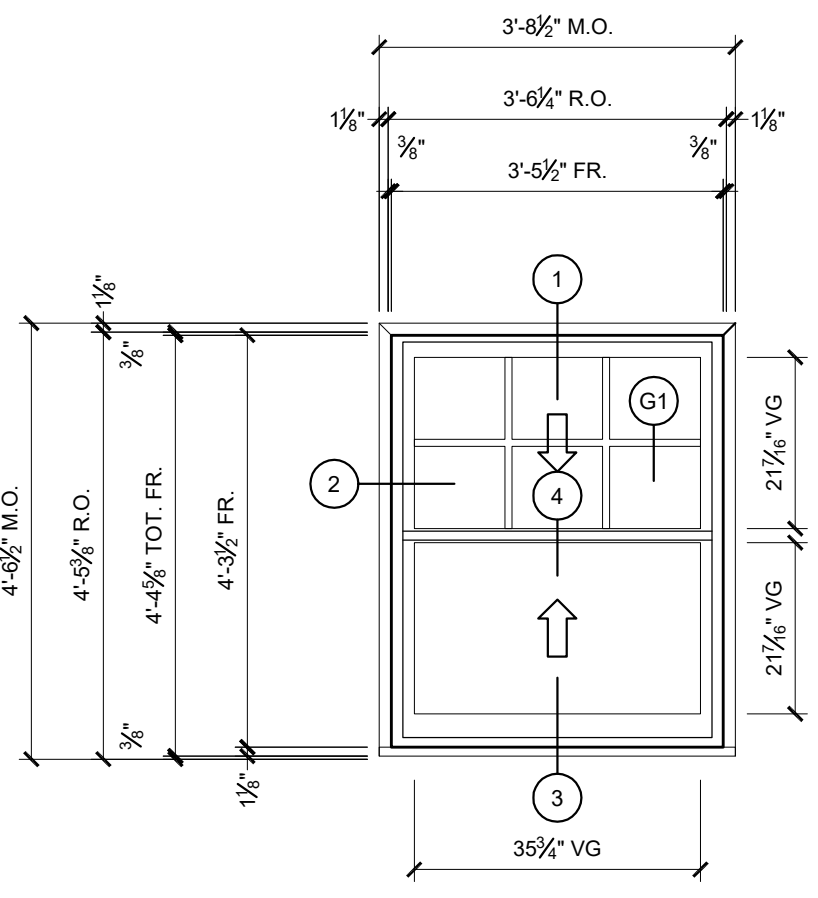
- CONFIRM THE FOLLOWING ITEMS ARE ACCEPTABLE WITH THE GENERAL CONTRACTOR AND PROJECT ARCHITECT:
- INSTALLATION ACCESSORIES SUCH AS BLOCKING, SHIMS, FASTENERS, FLASHING TAPES, FLASHINGS, SEALANTS, INTERIOR TRIM OR FINISHES, AND WEATHER BARRIER ARE BY OTHERS UNLESS NOTED OTHERWISE.
 - FIELD VERIFY ALL DETAILS & DIMENSIONS
 - ARCHITECT TO VERIFY SAFETY GLAZING & EGRESS REQUIREMENT
 - CAUTION WHEN HANDLING PRODUCT. ALL PELLA PRODUCTS SHOULD BE KEPT VERTICAL DURING HANDLING AND STORAGE. ANY MISHANDLING COULD RESULT IN PRODUCT AND/OR MULLION FAILURE.
 - IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE ALL WINDOWS AND DOORS ARE CLOSED AND LOCKED DURING INCLEMENT WEATHER OR WHEN A ROOM IN WHICH A WINDOW OR DOOR IS INSTALLED IS VACANT.
 - PELLA CORPORATION DID NOT RECEIVE PROJECT SPECIFICATIONS. THEREFORE, CONFORMANCE TO PROJECT SPECIFICATIONS IS THE SOLE RESPONSIBILITY OF THE PELLA SALES BRANCH AND THE GENERAL CONTRACTOR
 - DUE TO THE NATURE OF ANY REPLACEMENT PROJECT, IT IS IMPERATIVE THAT THE ARCHITECT, ENGINEER OR CONTRACTOR DETERMINES IF THE EXISTING STRUCTURE IS STRUCTURALLY SOUND FOR THE ANCHORAGE OF THE WINDOWS SPECIFIED FOR THIS PROJECT. IN ADDITION, THE ARCHITECT, ENGINEER AND CONTRACTOR MUST DETERMINE IF THE DETAILS SHOWN ON THESE DRAWINGS ARE ACCEPTABLE WITH THE EXISTING FLASHING FOR AN EFFECTIVE WATER MANAGED SYSTEM. ALSO, THE EXISTING WALL CONSTRUCTION MUST BE CHECKED TO DETERMINE IF WATER PROBLEMS EXIST. ANY WATER PENETRATION MUST BE REPAIRED PRIOR TO INSTALLING THE NEW WINDOWS.



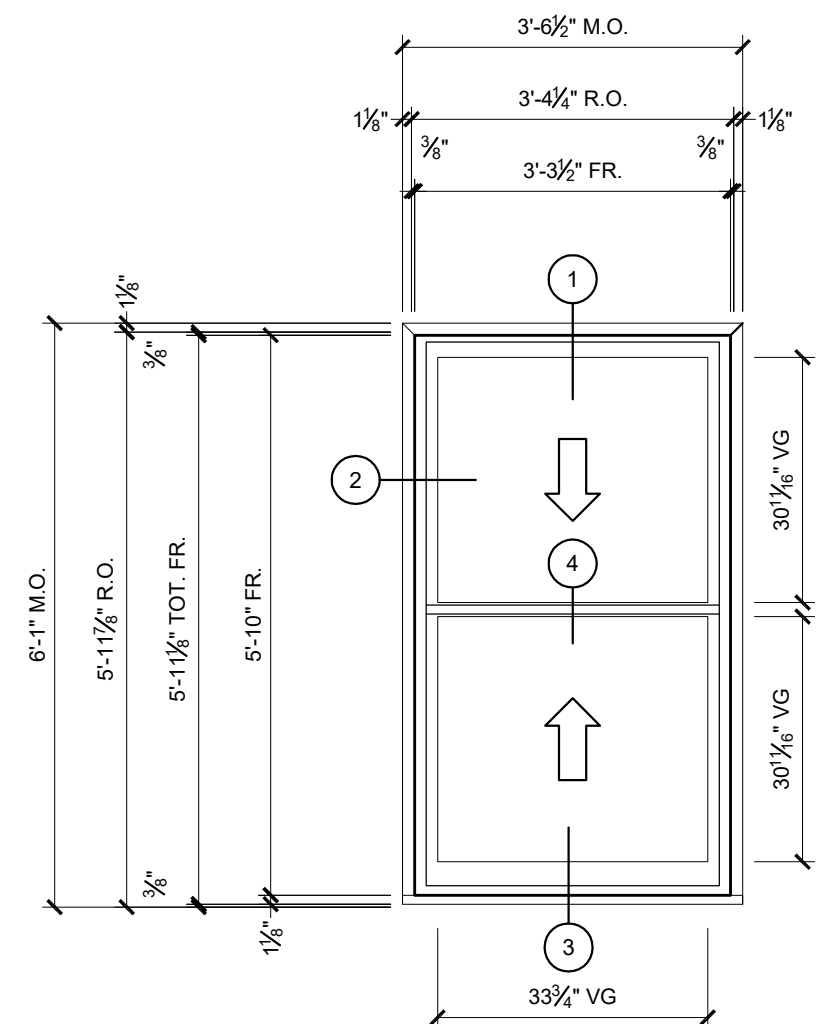
Window D - 1031
LINE # 25 1
QTY



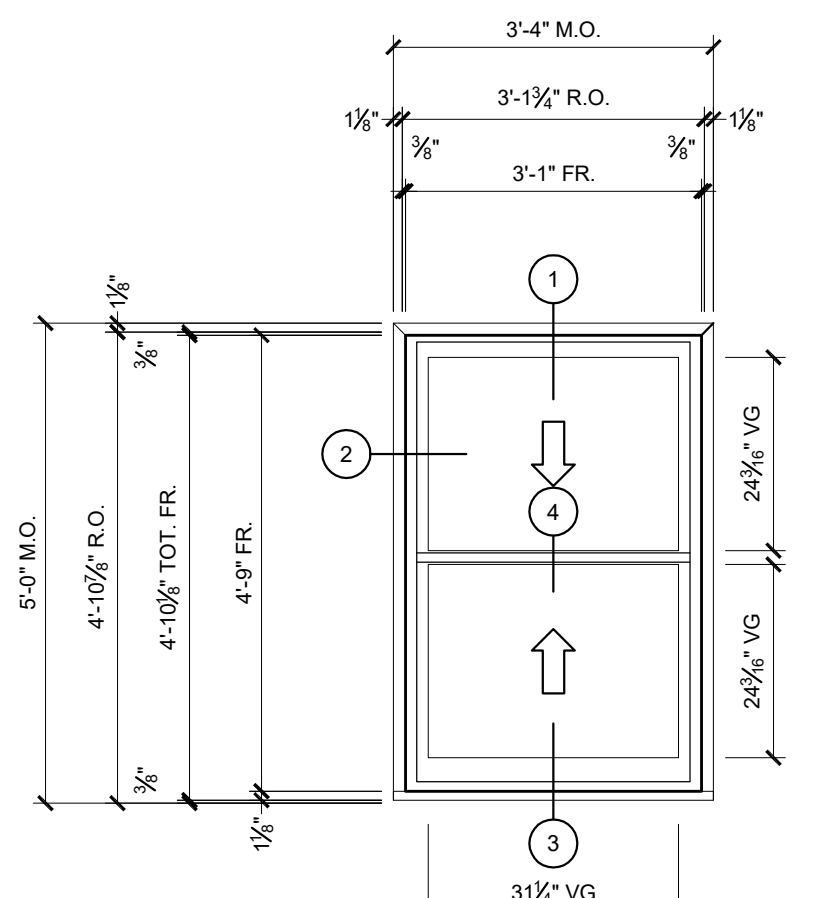
Window E - 1031
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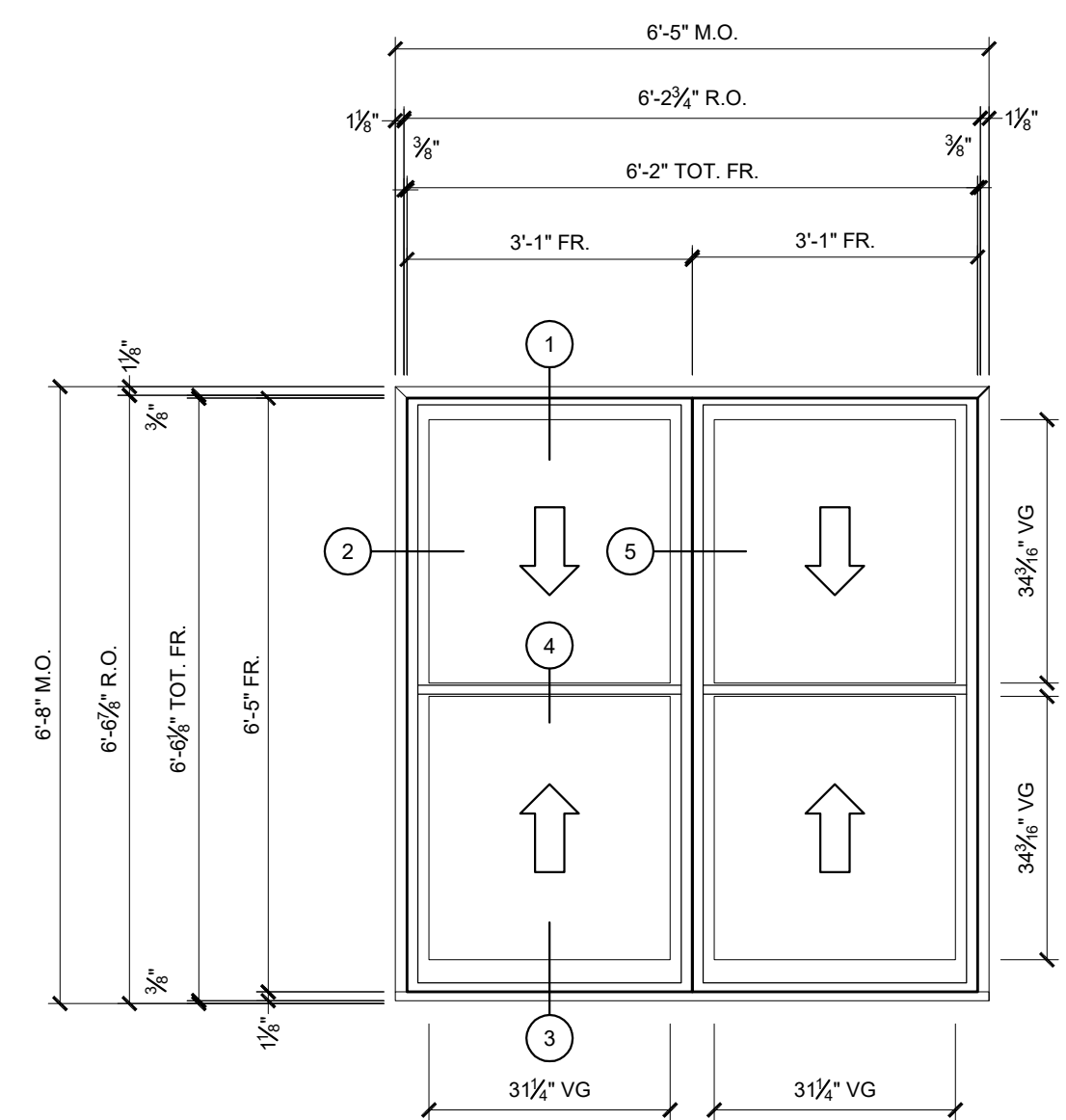
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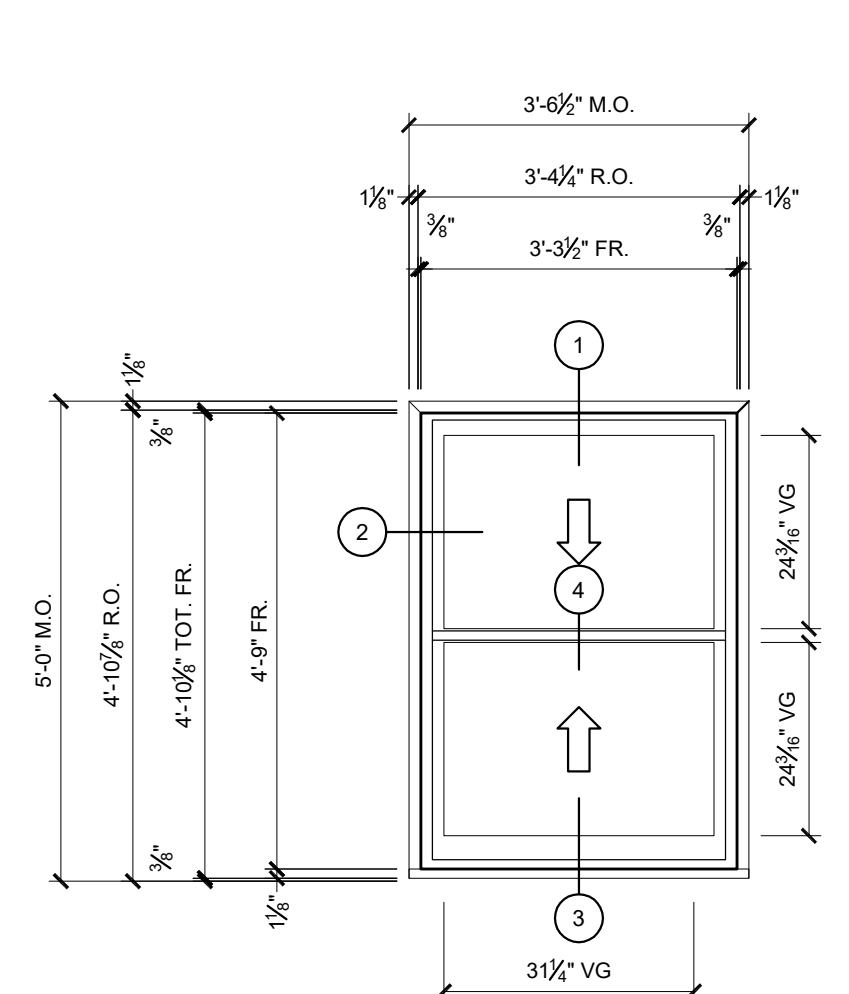
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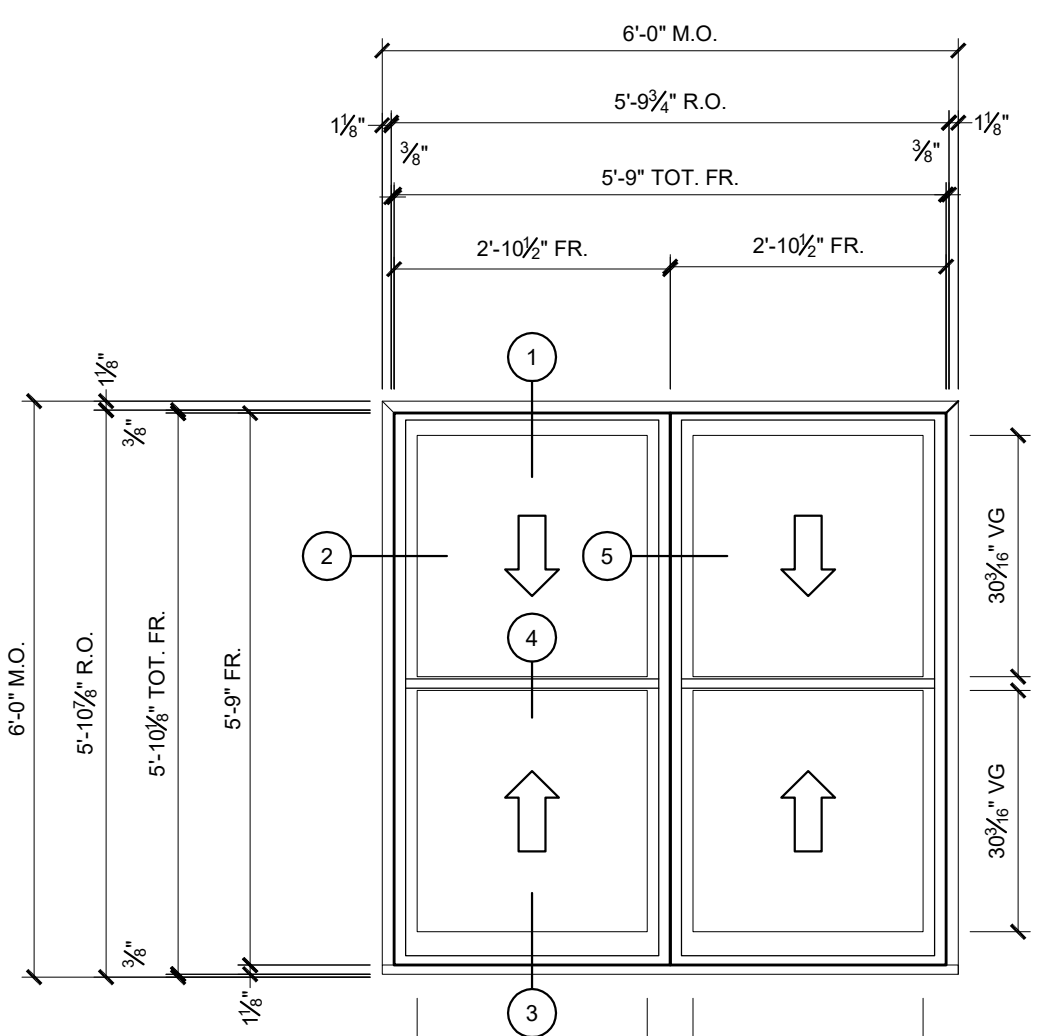
Window H - 1031
LINE # 45 3
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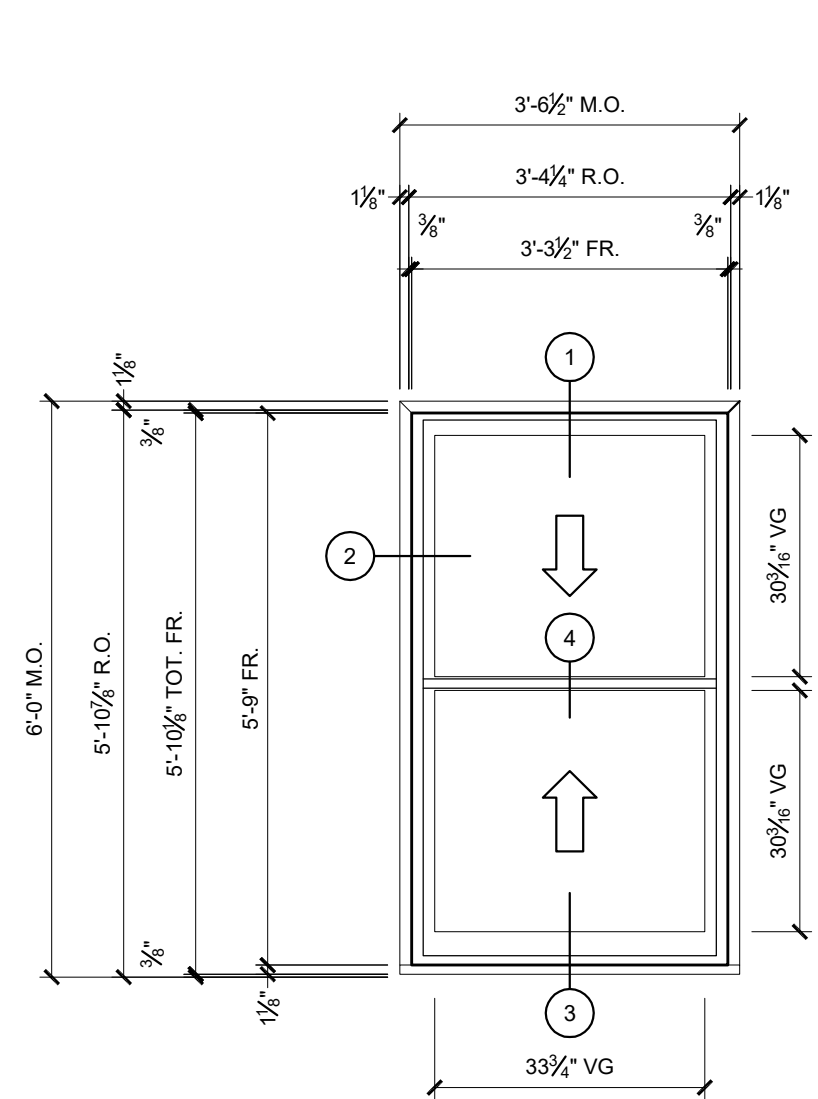
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LINE # 50 3
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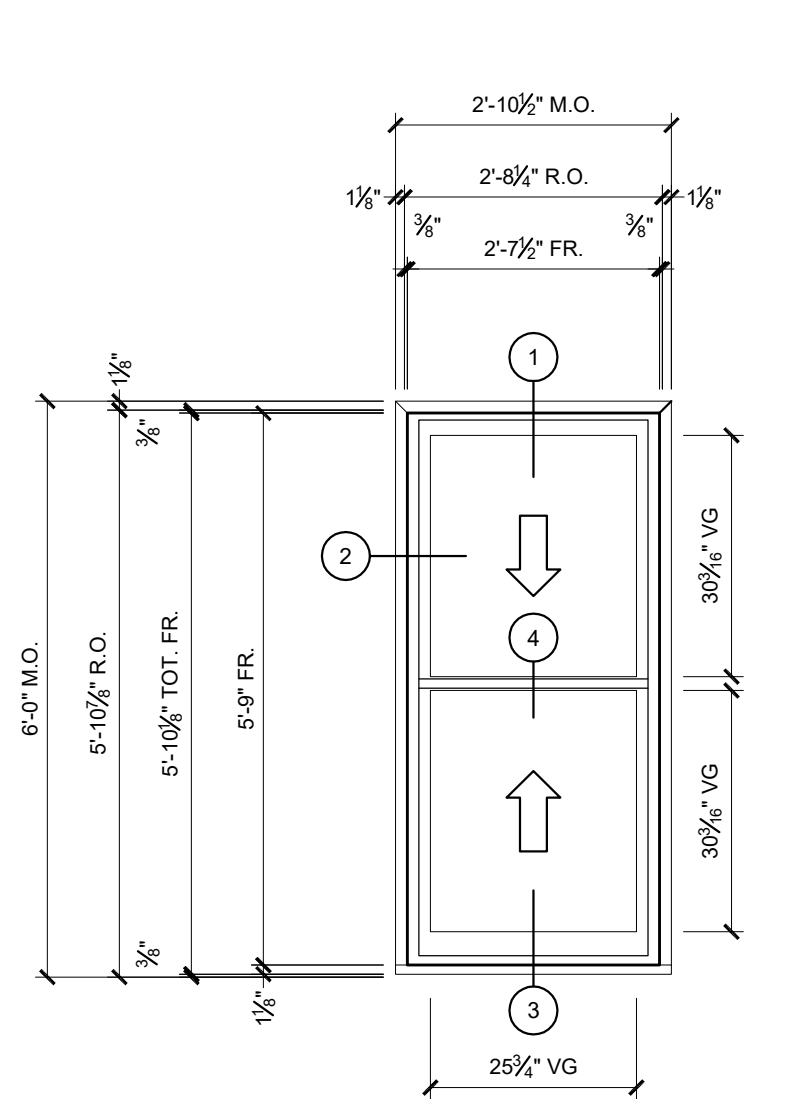
Window J - 1031
LINE # 55 3
QTY



Window L - 1031
LINE # 60 12
QTY

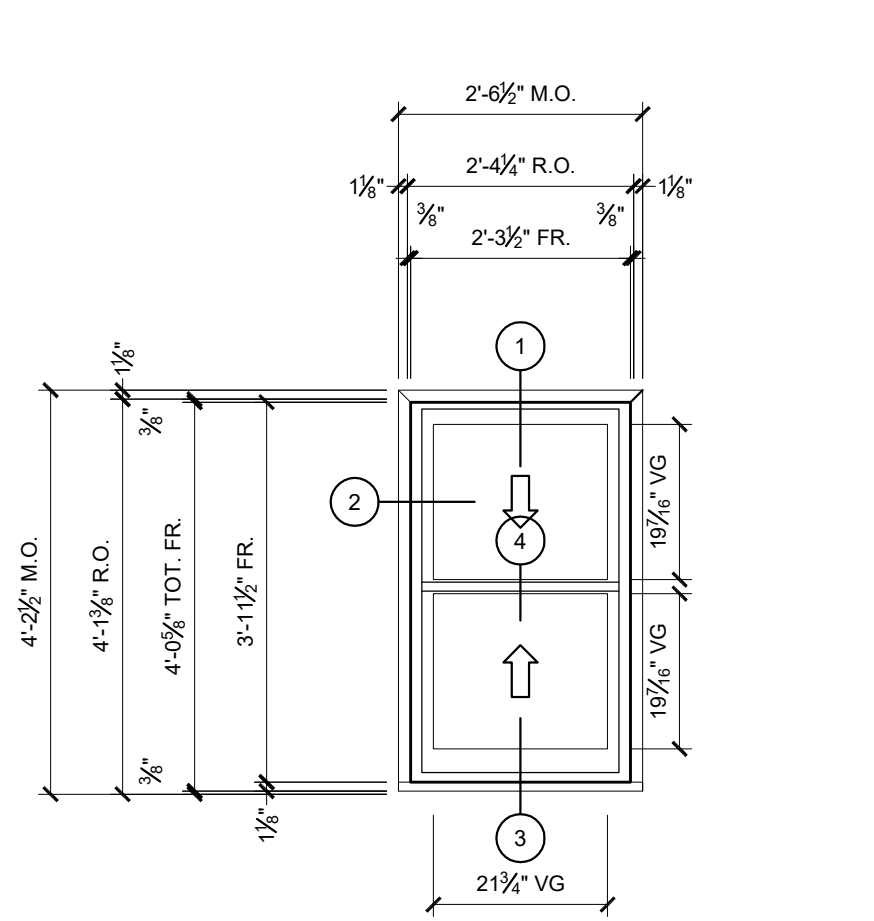


Window N - 1031
LINE # 65 2
QTY

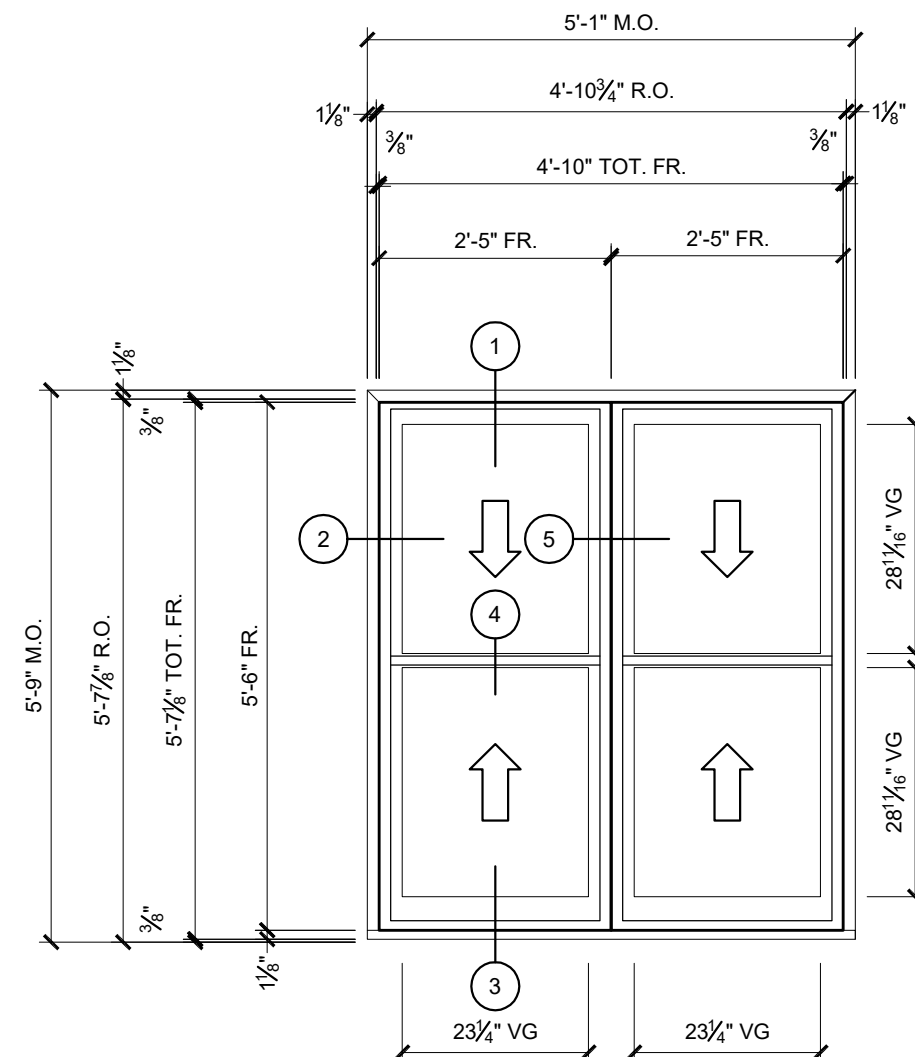


Window O - 1031
LINE # 70 3
QTY

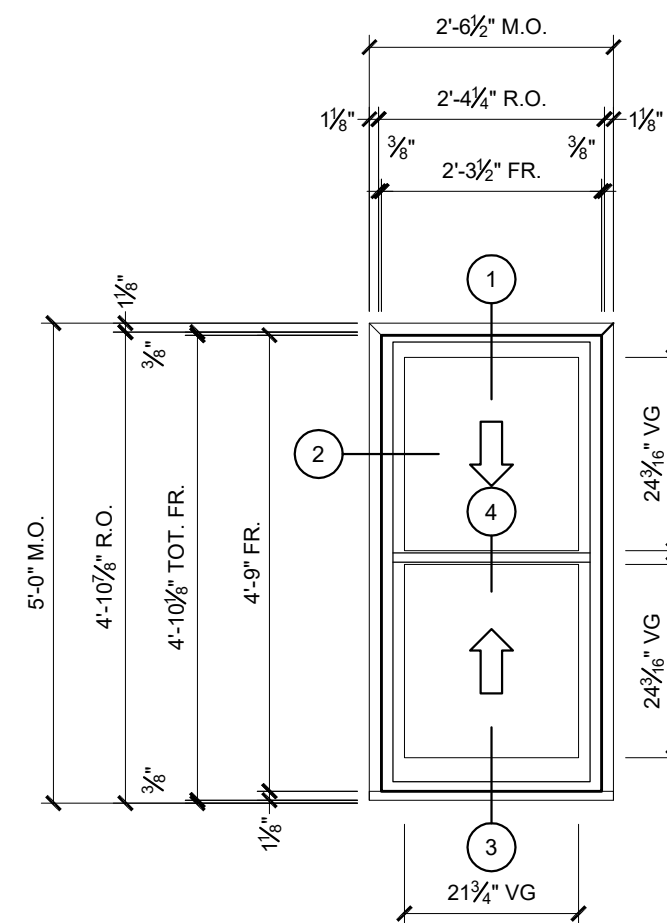
REV.	DATE	REV.	DATE
1	2-14-19	1	
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3		3	
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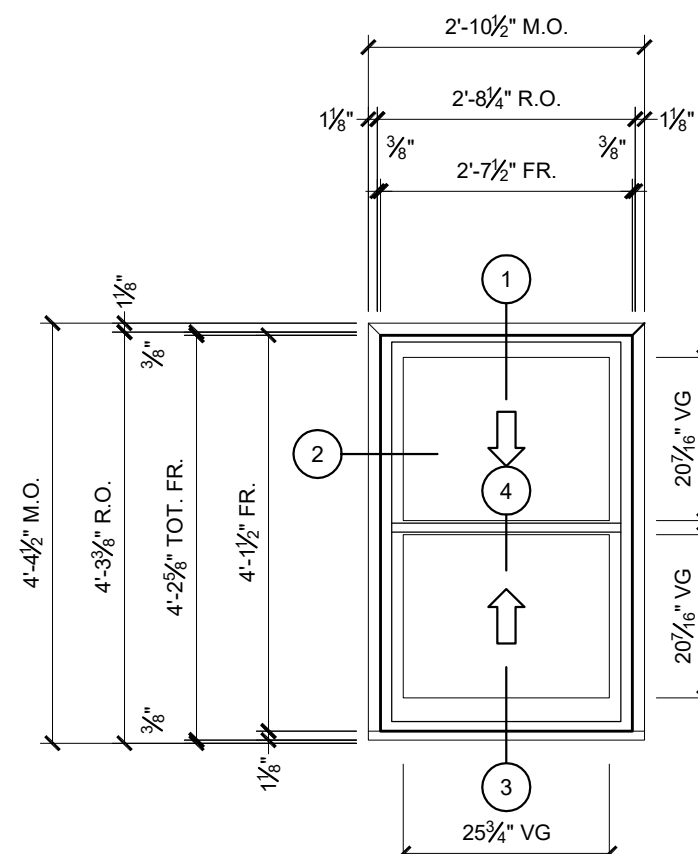
Window P - 1031
LINE # 75 9 QTY



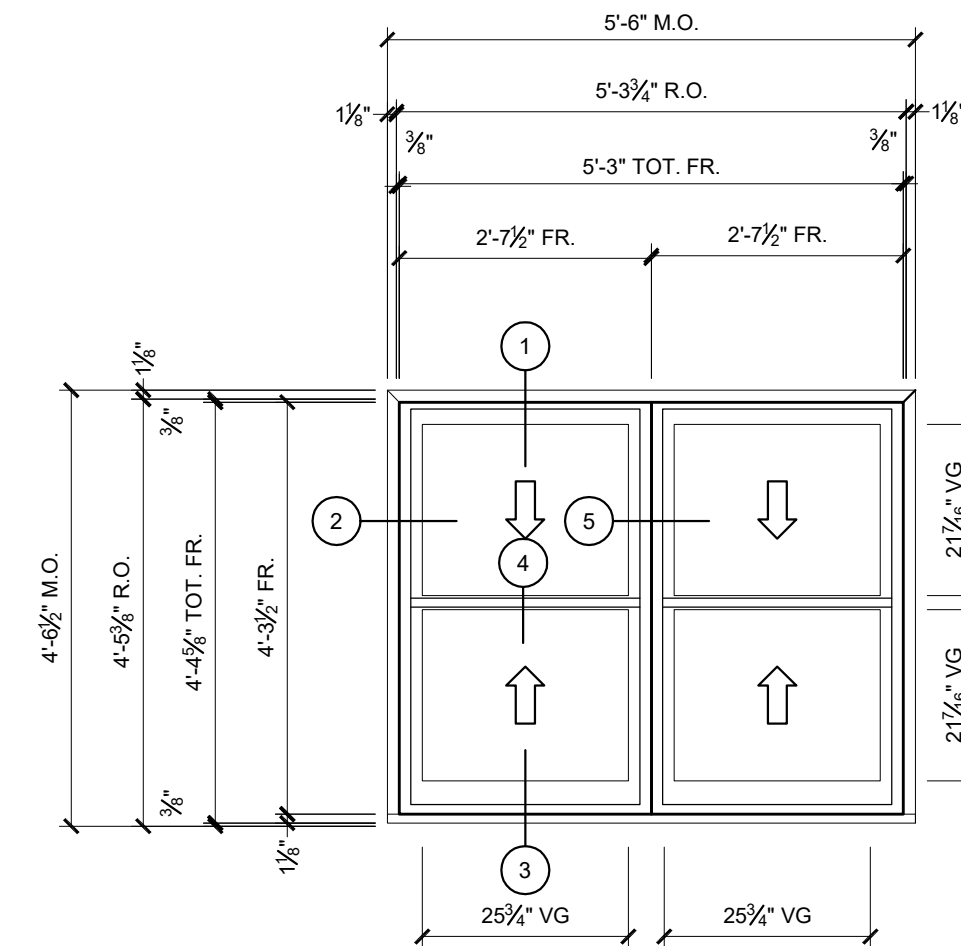
Window Q - 1031
LINE # 80 3 QTY



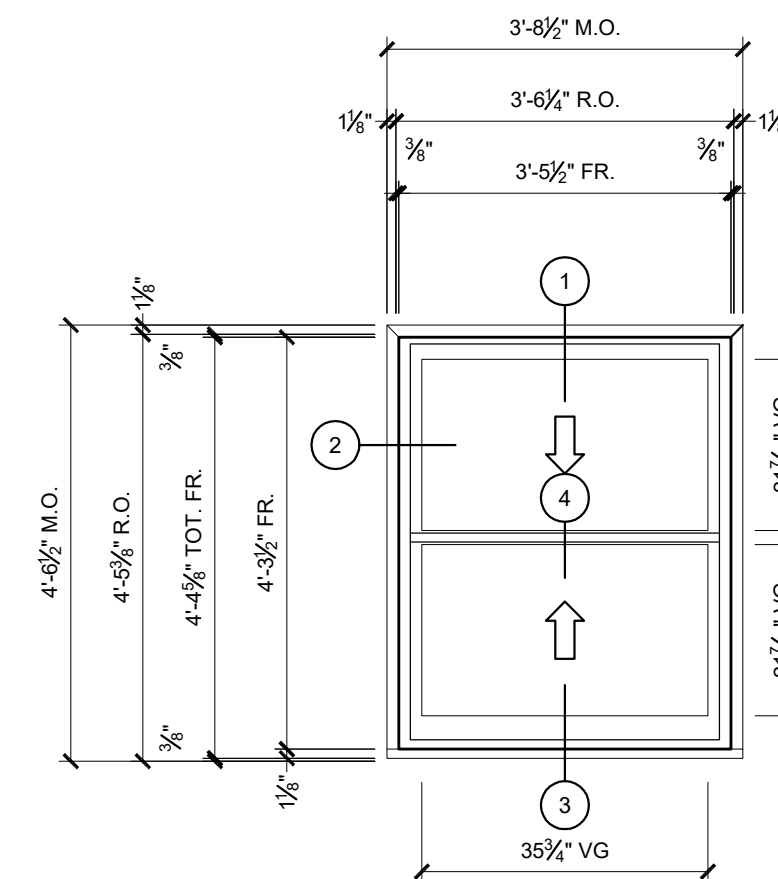
Window R - 1031
LINE # 85 3 QTY



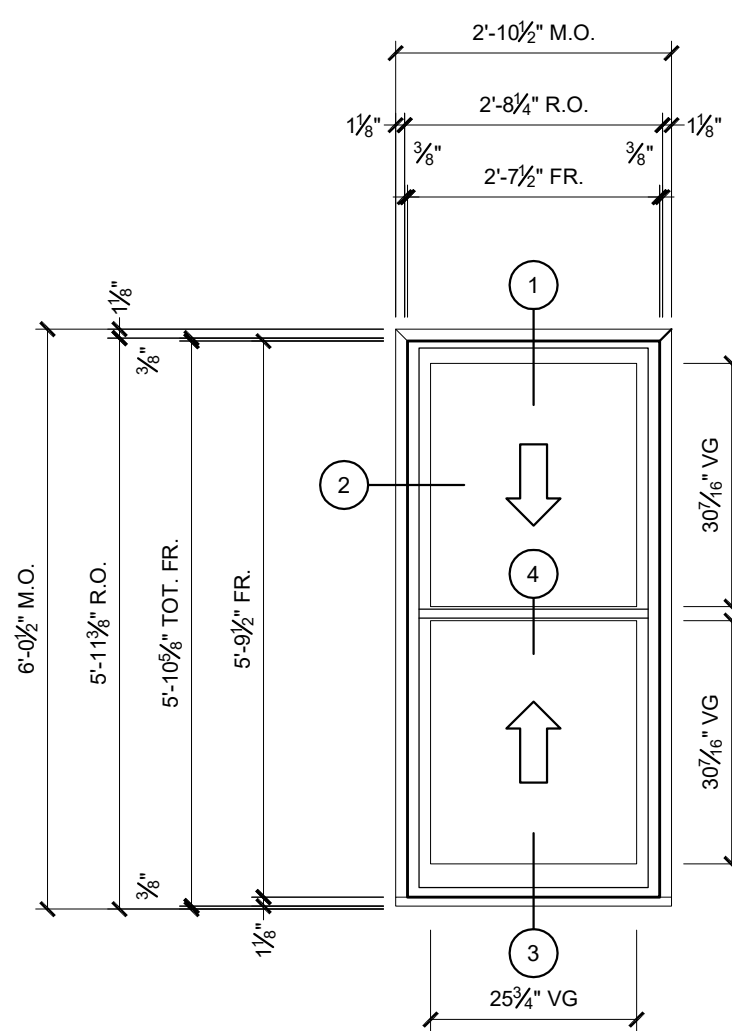
Window T - 1031
LINE # 95 9 QTY



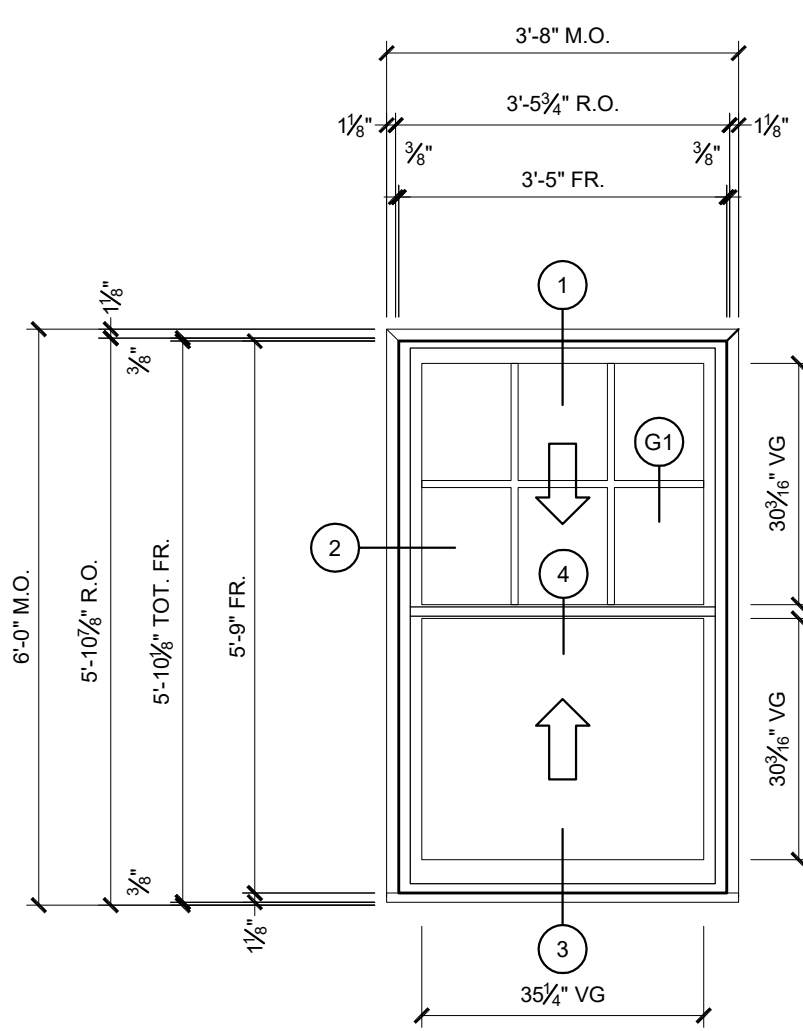
Window U - 1031
LINE # 100 1 QTY



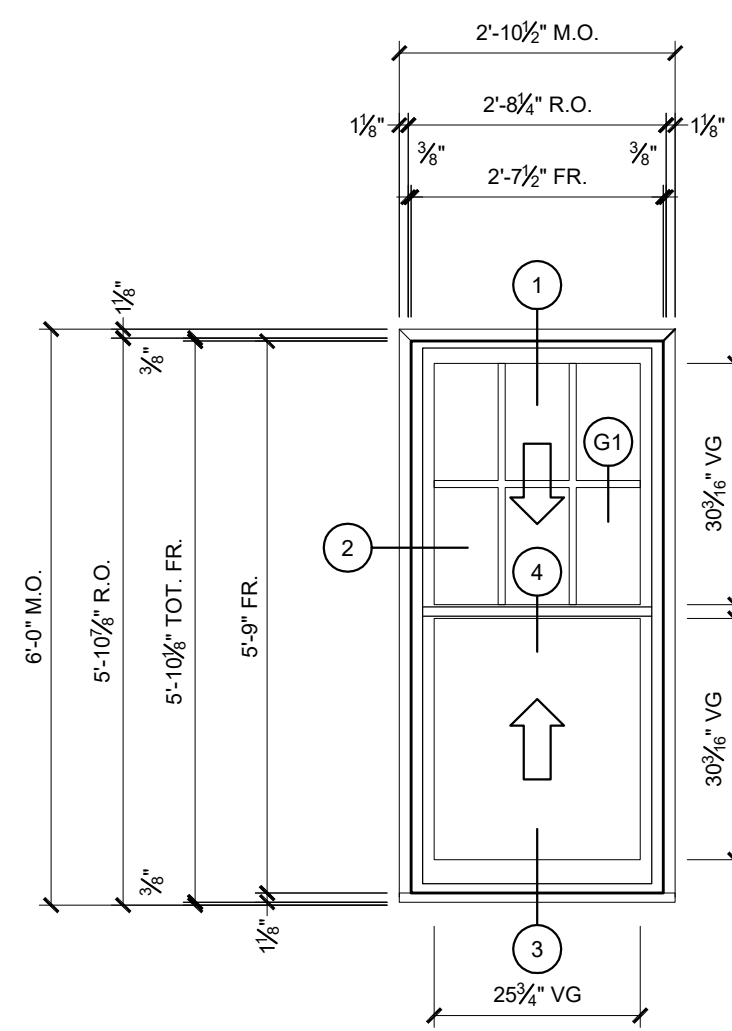
Window V - 1031
LINE # 105 1 QTY



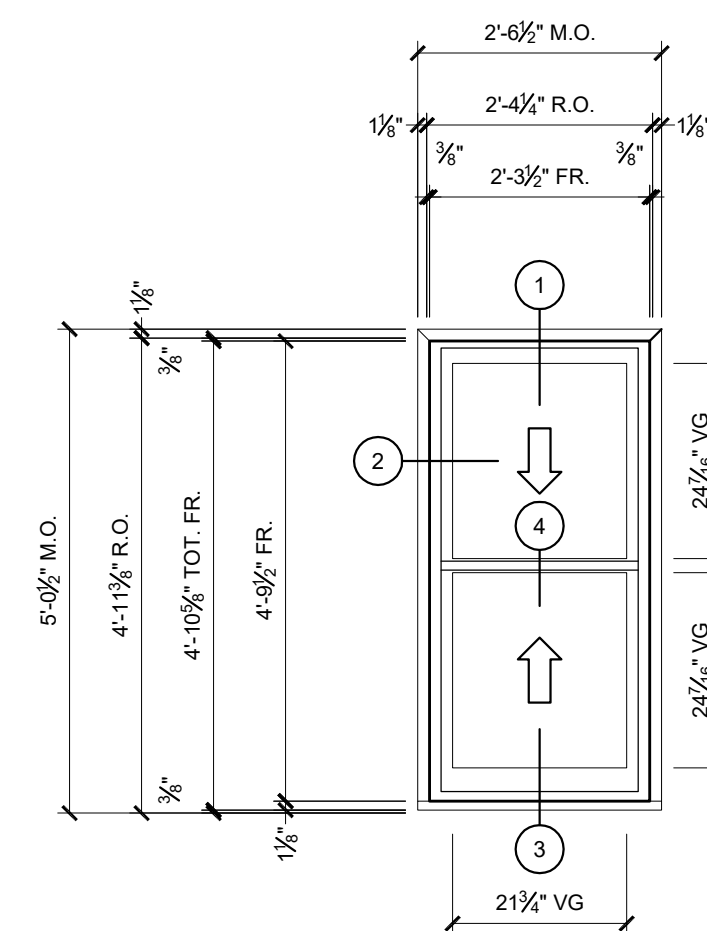
Window A2 - 1031
LINE # 110 6 QTY



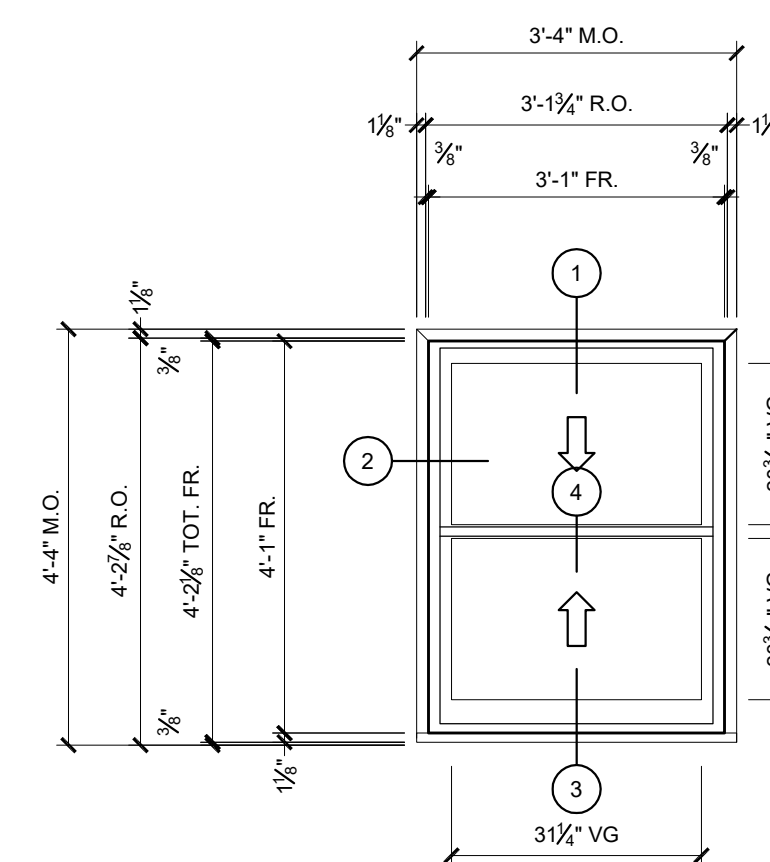
Window A3 - 1031
LINE # 115 6 QTY



Window B2 - 1031
LINE # 120 12 QTY

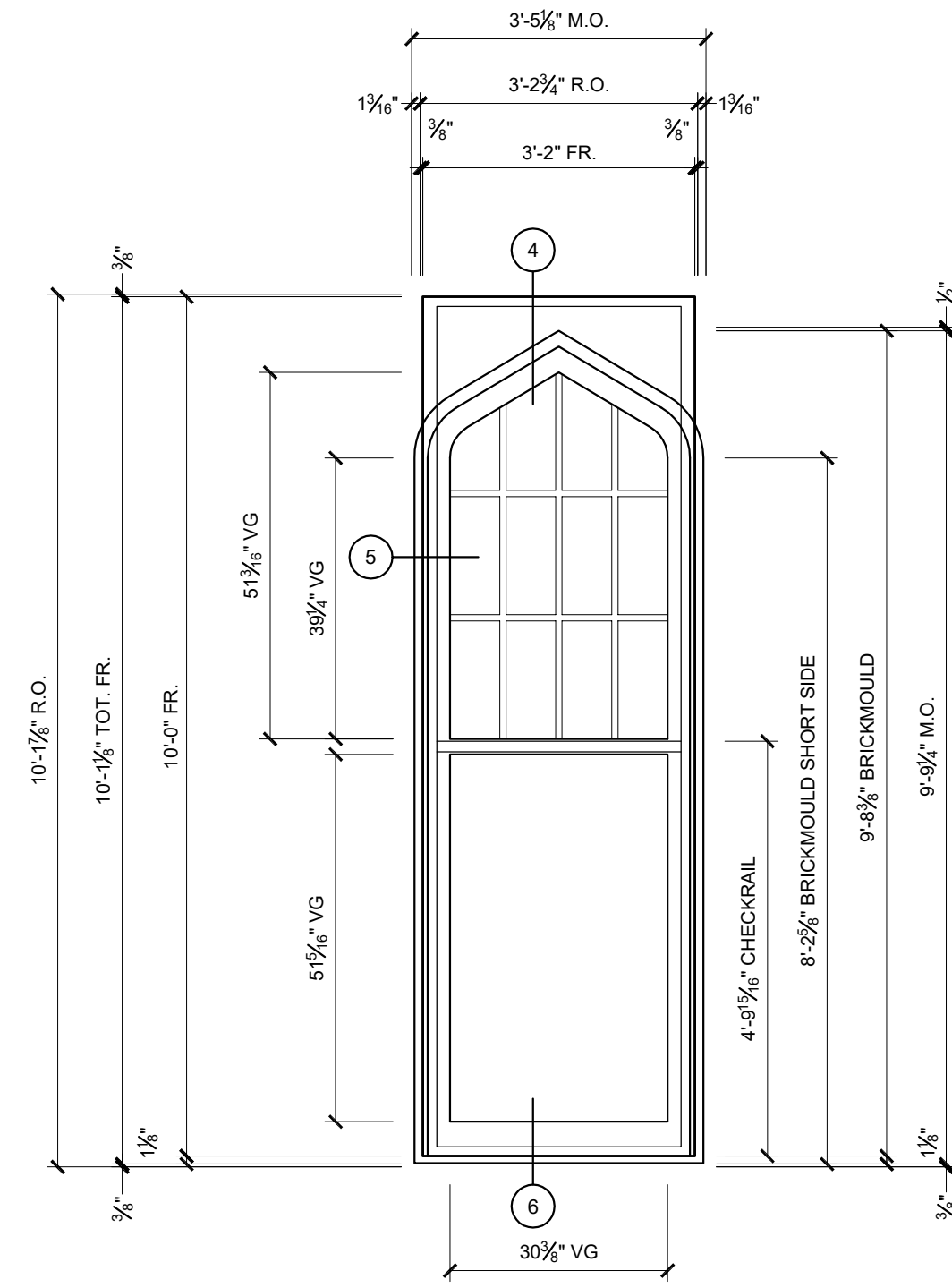


Window T - no WOD
LINE # 260 3 QTY



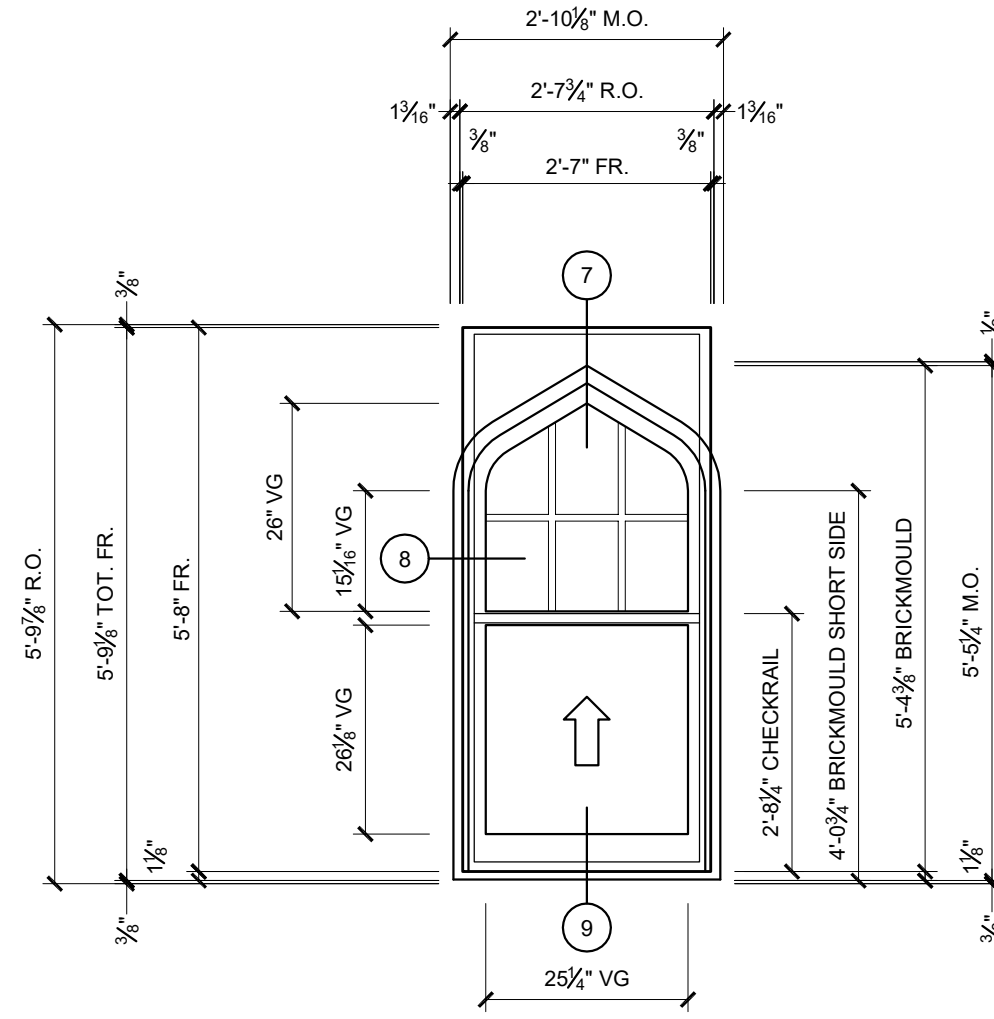
1031 s. elev grd P
LINE # 270 6 QTY

REV.	DATE	REV.	DATE
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2	2-28-19	2	
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5		5	



△ 2 | **Window C - 1031** | 1
LINE # 290 | QTY

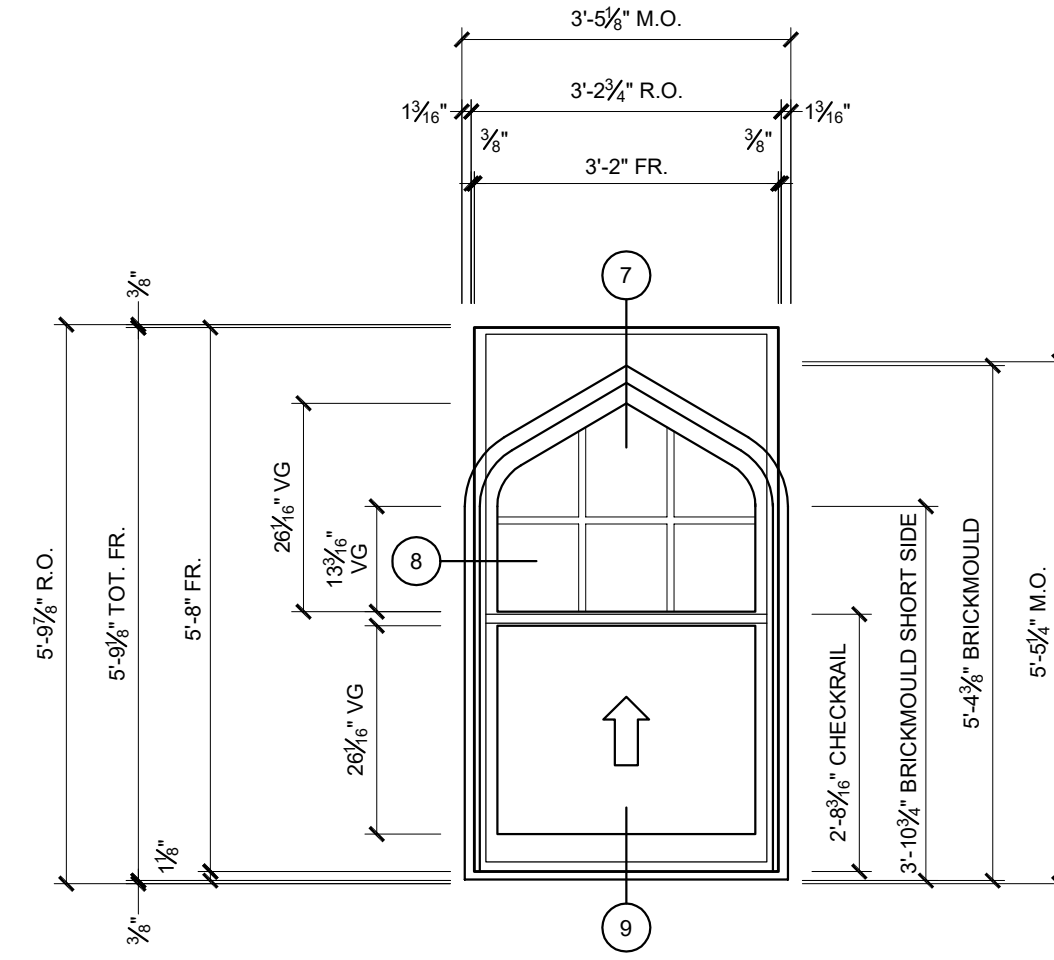
CUSTOM SHAPE MONUMENTAL SIMULATED HUNG SQUAREBACK



△ 2 | **Window B - 1031** | 3
LINE # 295 | QTY

△ 2 | **Window B - 1031** | 3
LINE # 300 | QTY

CUSTOM SHAPE RESERVE MODEL 5 SINGLE HUNG SQUAREBACK



△ 2 | **Window A - 1031** | 3
LINE # 305 | QTY

CUSTOM SHAPE RESERVE MODEL 5 SINGLE HUNG SQUAREBACK

REV.	DATE	REV.	DATE
△ 1	2-14-19	△ 1	-
△ 2	2-28-19	△ 2	-
△ 3	-	△ 3	-
△ 4	-	△ 4	-
△ 5	-	△ 5	-

INSTALLATION SHOP DRAWING FOR

MARLBOROUGH APARTMENTS BUILDING RENOVATIONS

LOCATION: 1031 MARLBOROUGH ST., DETROIT, MI
ARCHITECT: EDWARDS GROUP INTERNATIONAL INC.

ORIGINAL: 2-7-19

DRAWN BY: NRK

CHECKED BY: GG

Project No.:

206374.17

SHEET:

04 OF 10

SPECIFICATIONS																														
Line #	Quote No.	Unit ID	Windowset Name	Operation / Venting	Exterior Material Type	Wood Type	Exterior Finish	Interior Finish	Exterior Sash / Panel Profile	Interior Sash / Panel Profile	Glazing Type	Insulated Type	Glass Strength	Insulated Glass Options	Low-E Glass Style	Gas Filled	Hardware Finish	Screen Option	U-Factor	SHGC	VLT	Performance Class	PG	Grille Application	Grille Exterior Profile	Grille Interior Profile	Grille Bar Profile Width	Jamb Extended Wall Depth	Screen Exterior Paint Grade	Screen Color
25	10929563	Window D - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Primed	Putty Glaze	Ogee	Insulated	Dual	Annealed	Green Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.30	0.25	0.41	CW	45	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	4 9/16"		
30	10929563	Window E - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Primed	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.29	0.25	0.47	CW	45	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	4 9/16"		
35	10929563	Window F - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Primed	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.29	0.25	0.47	CW	45	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	4 9/16"		
40	10929563	Window G - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
45	10929563	Window H - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Green Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.29	0.28	0.46	CW	45	No Grille				4 9/16"		
50	10929563	Window I - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
50	10929563	Window I - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
55	10929563	Window J - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
60	10929563	Window L - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
60	10929563	Window L - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
65	10929563	Window N - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
70	10929563	Window O - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
75	10929563	Window P - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
80	10929563	Window Q - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
80	10929563	Window Q - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
85	10929563	Window R - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
95	10929563	Window T - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
100	10929563	Window U - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
100	10929563	Window U - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
105	10929563	Window V - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
110	10929563	Window A2 - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
115	10929563	Window A3 - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.29	0.25	0.47	CW	45	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	4 9/16"		
120	10929563	Window B2 - 1031	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.29	0.25	0.47	CW	45	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	4 9/16"		

ARCHITECTURAL SUPPORT SERVICES
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DATE:	2-14-19				
REV:	1	2	3	4	5

INSTALLATION SHOP DRAWING FOR
MARLBOROUGH APARTMENTS BUILDING RENOVATIONS
 LOCATION: 1031 MARLBOROUGH ST., DETROIT, MI
 ARCHITECT: EDWARDS GROUP INTERNATIONAL INC.

ORIGINAL: 2-7-19
 DRAWN BY: NRK
 CHECKED BY: GG
 Project No.:
206374.17
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05 OF 10

SPECIFICATIONS 

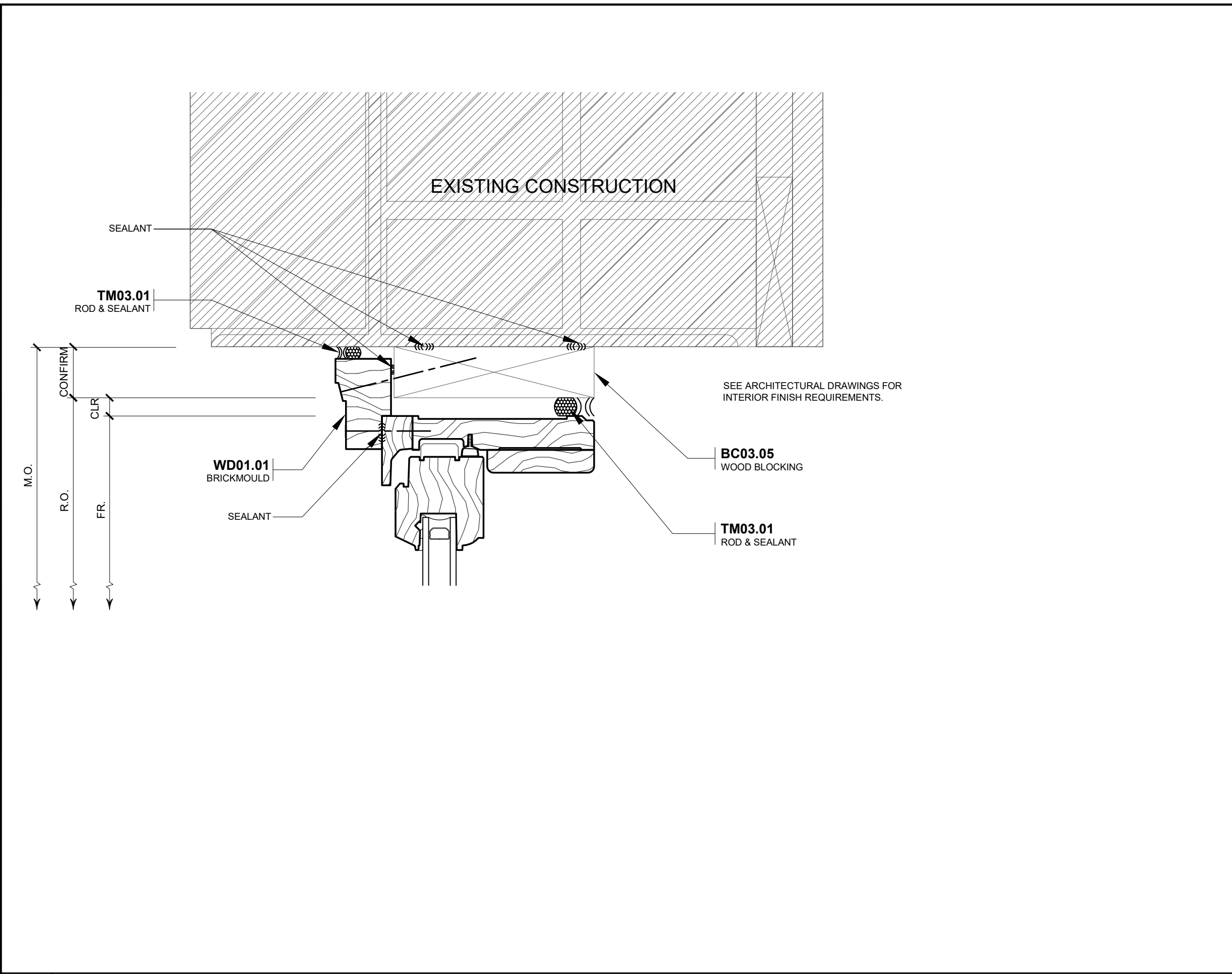
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260	10929563	Window T - no WOD	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
270	10929563	1031 s. elev grnd P	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Wood	Pine	Primed	Bright White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	No Screen	0.28	0.28	0.53	CW	45	No Grille				4 9/16"		
290	10929563	Window C - 1031	Architect Series(R) Reserve Traditional Monumental Double-Hung	Simulated Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White		0.29	0.23	0.43	LC	25	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	5 7/16"		
295	10929563	Window B - 1031	Architect Series(R) Reserve Traditional Single-Hung	Single Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	Half Screen	0.29	0.25	0.47	CW	45	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	5 7/16"	Standard EnduraClad	Brown
300	10929563	Window B - 1031	Architect Series(R) Reserve Traditional Single-Hung	Single Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	Half Screen	0.29	0.25	0.47	CW	45	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	5 7/16"	Standard EnduraClad	Brown
305	10929563	Window A - 1031	Architect Series(R) Reserve Traditional Single-Hung	Single Hung	Wood	Pine	Primed	Prefinished White Paint	Putty Glaze	Ogee	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	White	Half Screen	0.29	0.25	0.47	CW	45	Integral Light Technology(R) Grilles	Putty Glaze	Ogee	7/8"	5 7/16"	Standard EnduraClad	Brown

ARCHITECTURAL SUPPORT SERVICES
 DEPARTMENT
 Window and Door Installation Solutions

 Pella Corporation
 Pella, Iowa

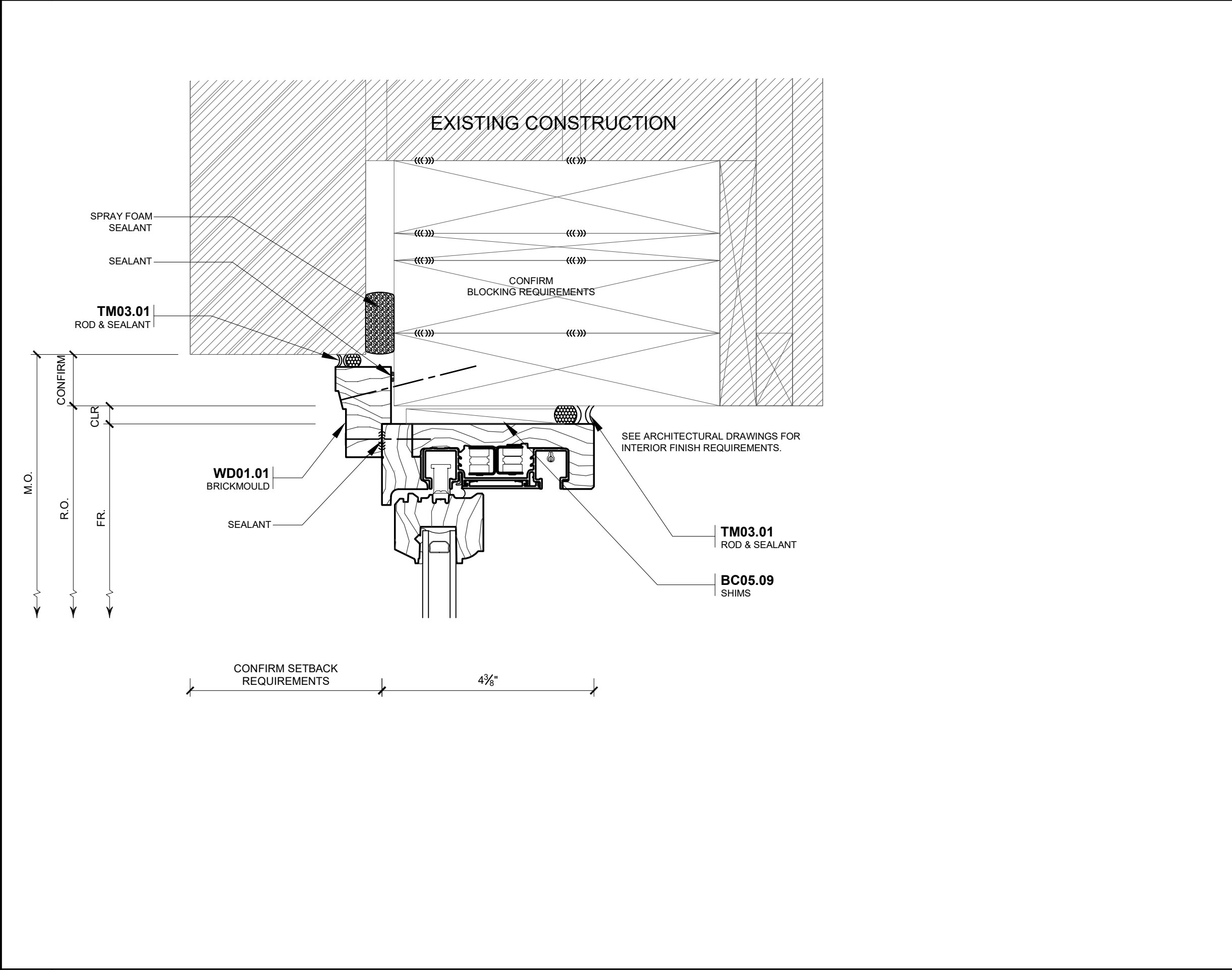
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△	2-14-19	△	2-26-19	△		△	

INSTALLATION SHOP DRAWING FOR
MARLBOROUGH APARTMENTS BUILDING RENOVATIONS
 LOCATION: 1031 MARLBOROUGH ST., DETROIT, MI
 ARCHITECT: EDWARDS GROUP INTERNATIONAL INC.

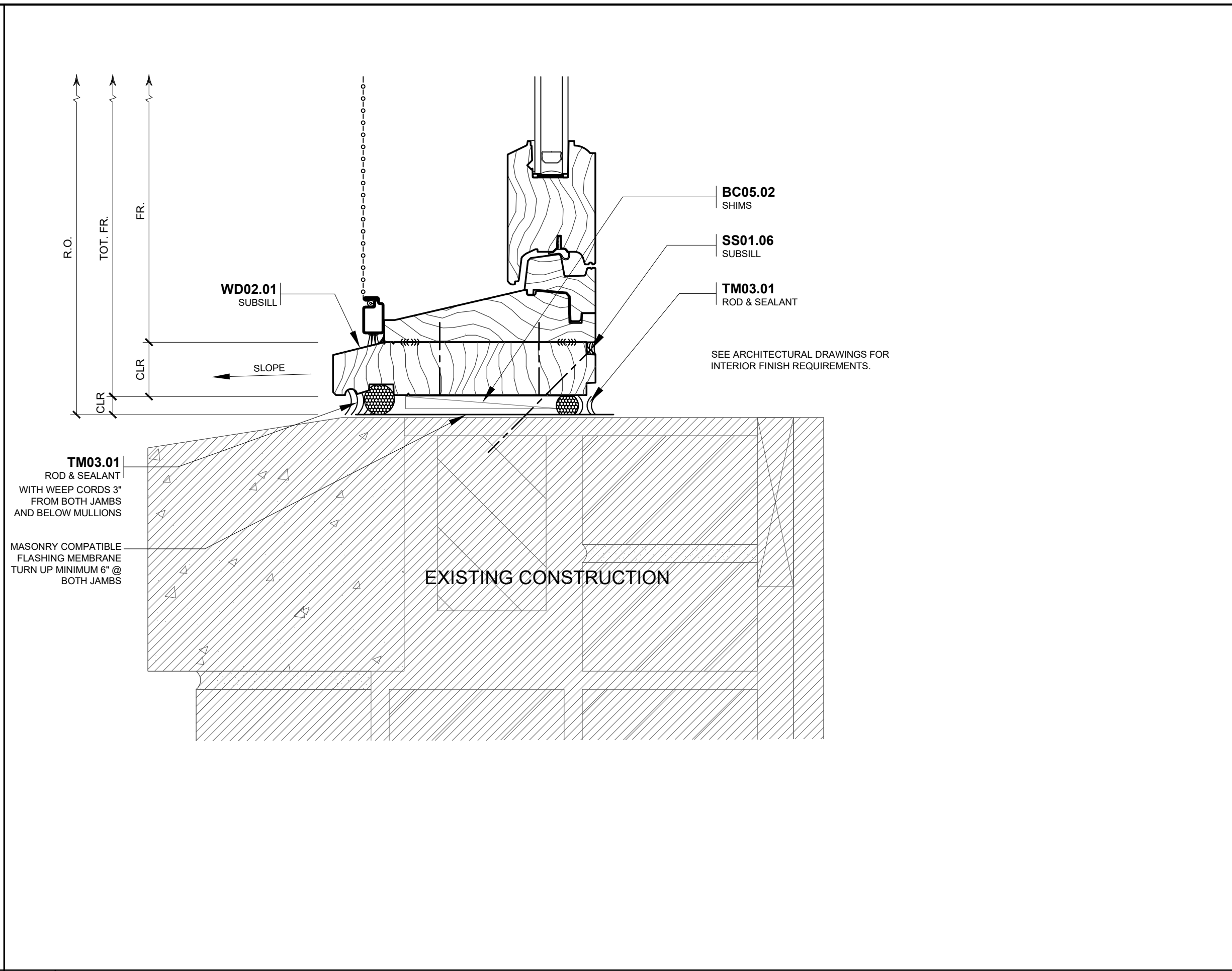
ORIGINAL: 2-7-19
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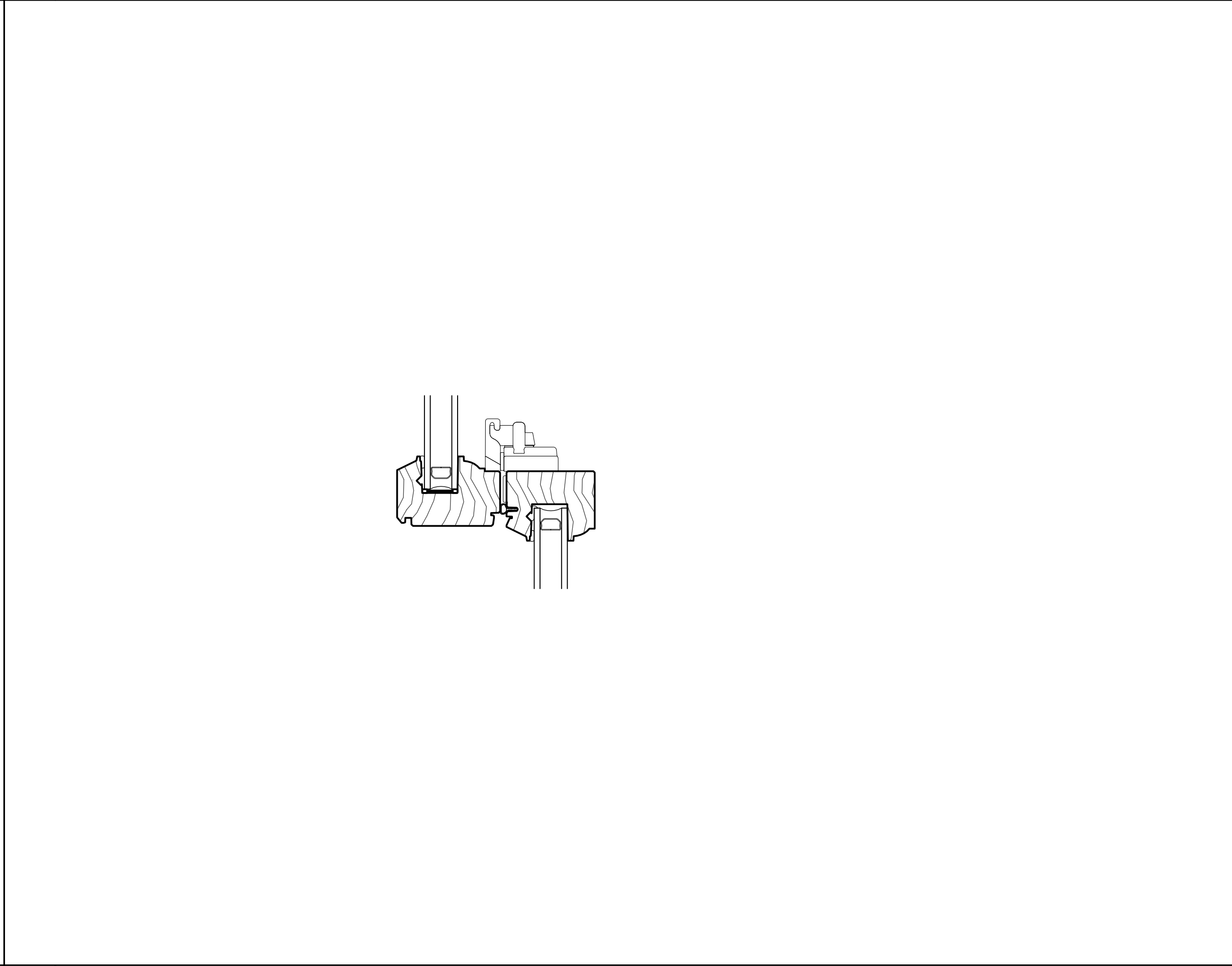
1 HEAD
REF. ARCH. DWG.: 3/EC-1



2 JAMB
REF. ARCH. DWG.: -



3 SILL
REF. ARCH. DWG.: 5/EC-1



4 CHECKRAIL
REF. ARCH. DWG.: 4/EC-1

DETAIL KEYNOTES

BC : BUILDING COMPONENTS (BY OTHERS)

BC03.05 CONTINUOUS WOOD BLOCKING. SEAL AND ANCHOR SECURELY TO WALL CONSTRUCTION.

BC05.02 LEVEL OPENING SILL PRIOR TO UNIT INSTALLATION. PROVIDE IMPERVIOUS SHIMS 1/2" FROM EACH OPENING JAMB AND AT WINDOW MULLION AS REQUIRED. FOR VINYL WINDOWS, ADD SHIMS SO MAXIMUM SPACING IS 18"

BC05.09 SHIM AND PLUMB UNITS AS PER INSTALLATION INSTRUCTIONS. (DO NOT OVER SHIM)

SS : SUBSILL / SILL PANS

SS01.06 ANCHOR UNIT THRU SUBSILL TO OPENING WITHIN 6" OF ENDS AND 18" ON CENTER (MAXIMUM).

TM : THERMAL AND MOISTURE PROTECTION

TM03.01 WATER RESISTANT BACKER ROD AND SEALANT.

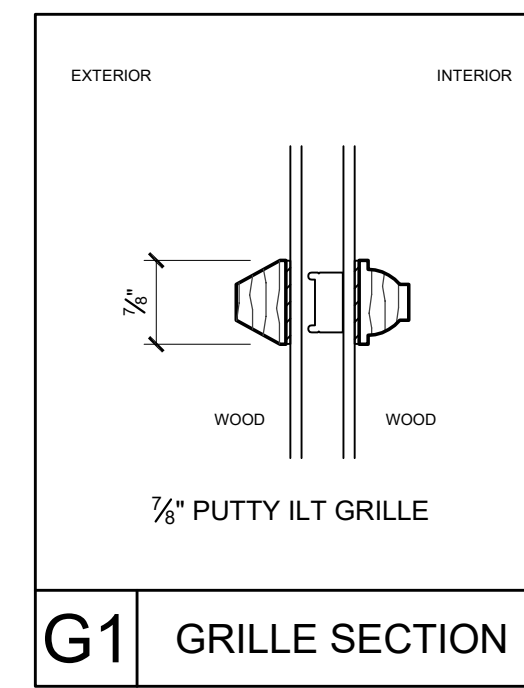
WD : WOOD WINDOW ACCESSORIES

WD01.01 BACK CAULK BRICKMOULD AND ANCHOR TO WALL CONSTRUCTION WITH 16d GALVANIZED NAILS WITHIN 6" OF ENDS AND 18" ON CENTER.

WD02.01 WOOD SUBSILL

VERIFY EXISTING CONSTRUCTION

REVIEW ALL EXISTING CONSTRUCTION FOR OPENING SIZE & ENSURE STABILITY OF EXISTING MATERIALS. CONFIRM THAT THE PROPOSED DETAILS WILL COMPLY W/ EXISTING FLASHING TO PROVIDE EFFECTIVE WATER MANAGED SYSTEM.



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1	2-14-19	1	2-28-19
2		2	
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5		5	

INSTALLATION SHOP DRAWING FOR

MARLBOROUGH APARTMENTS BUILDING RENOVATIONS

LOCATION: 1031 MARLBOROUGH ST., DETROIT, MI

ARCHITECT: EDWARDS GROUP INTERNATIONAL INC.

ORIGINAL: 2-7-19

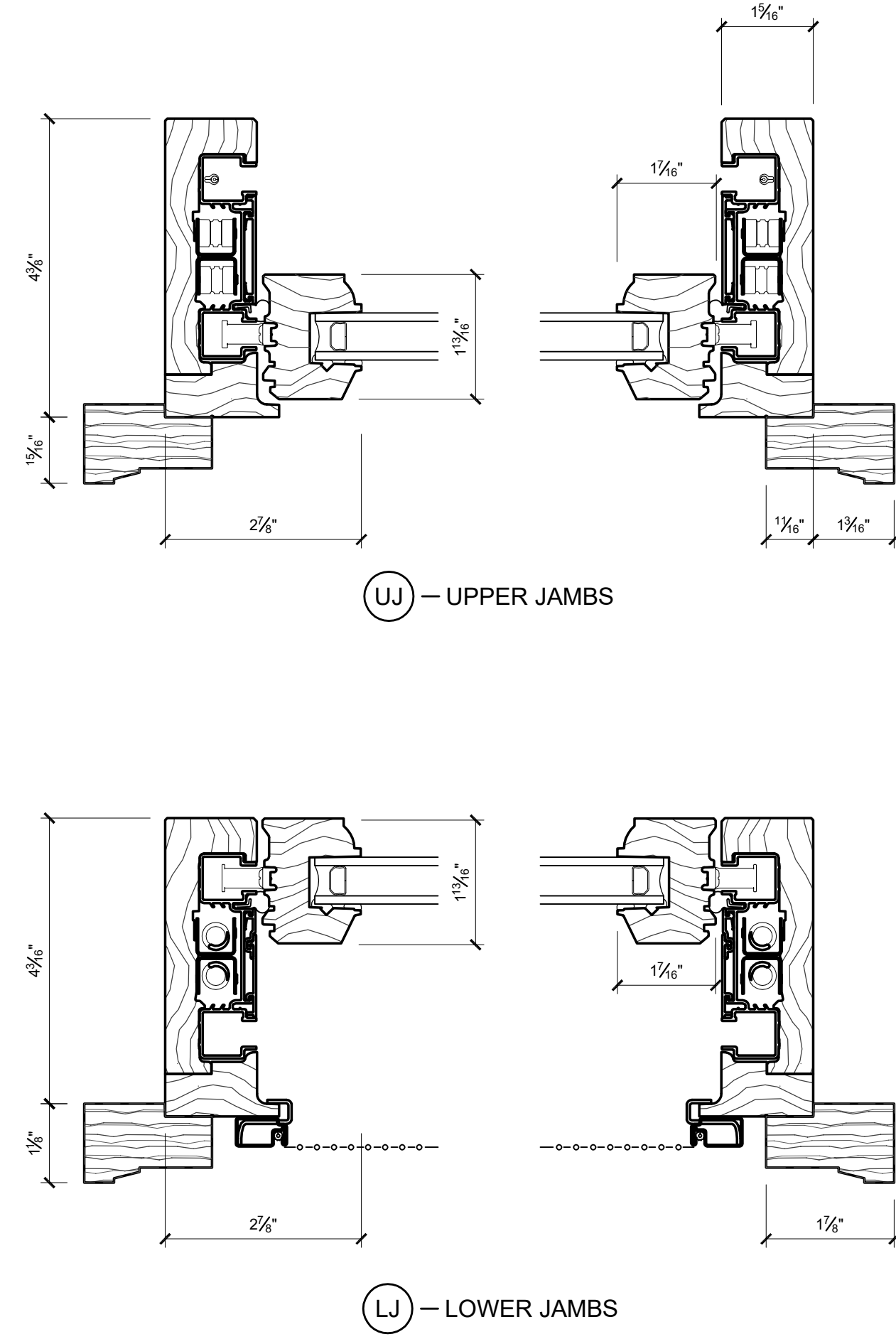
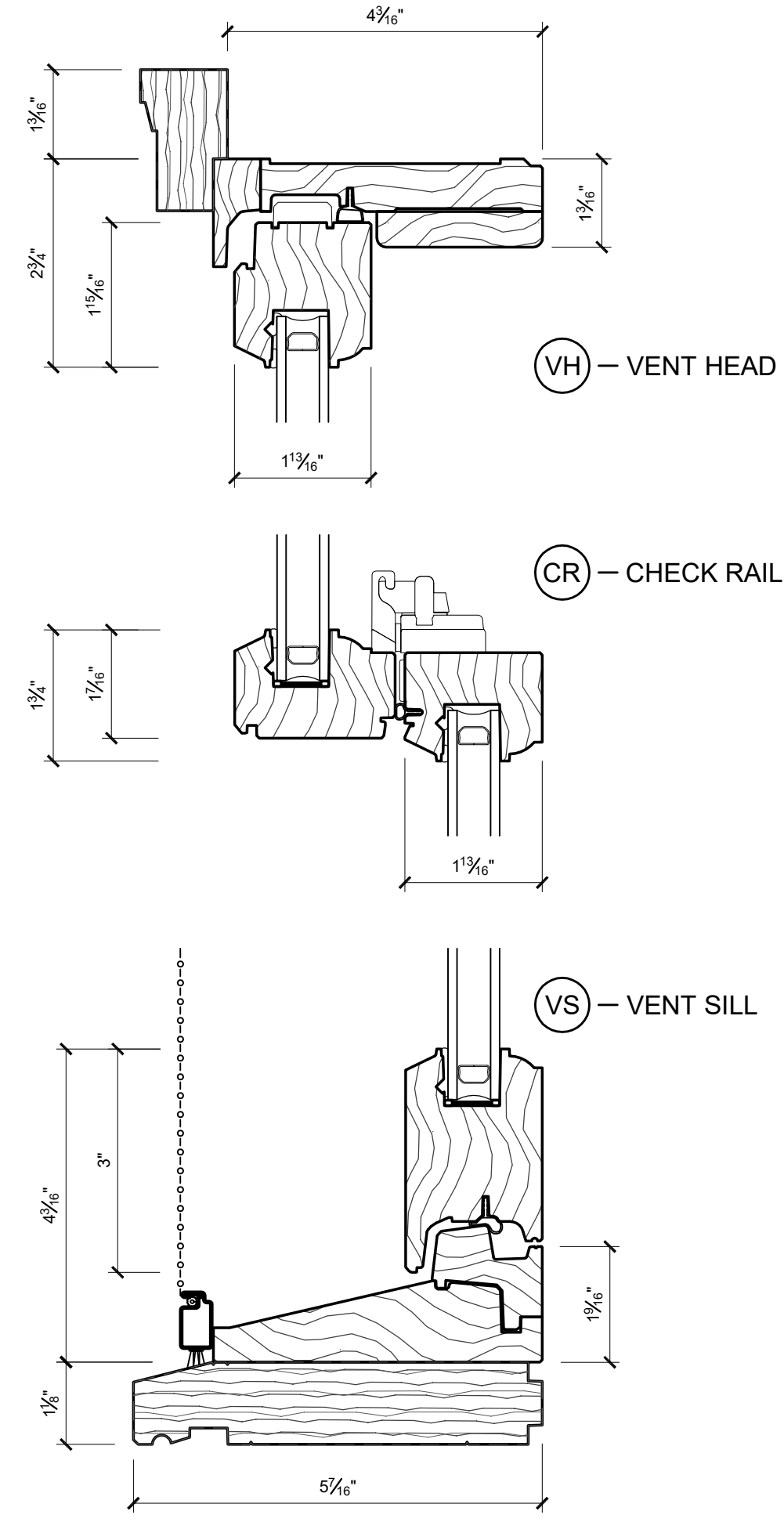
DRAWN BY: NRK

CHECKED BY: GG

Project No.: 206374.17

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DOUBLE HUNG

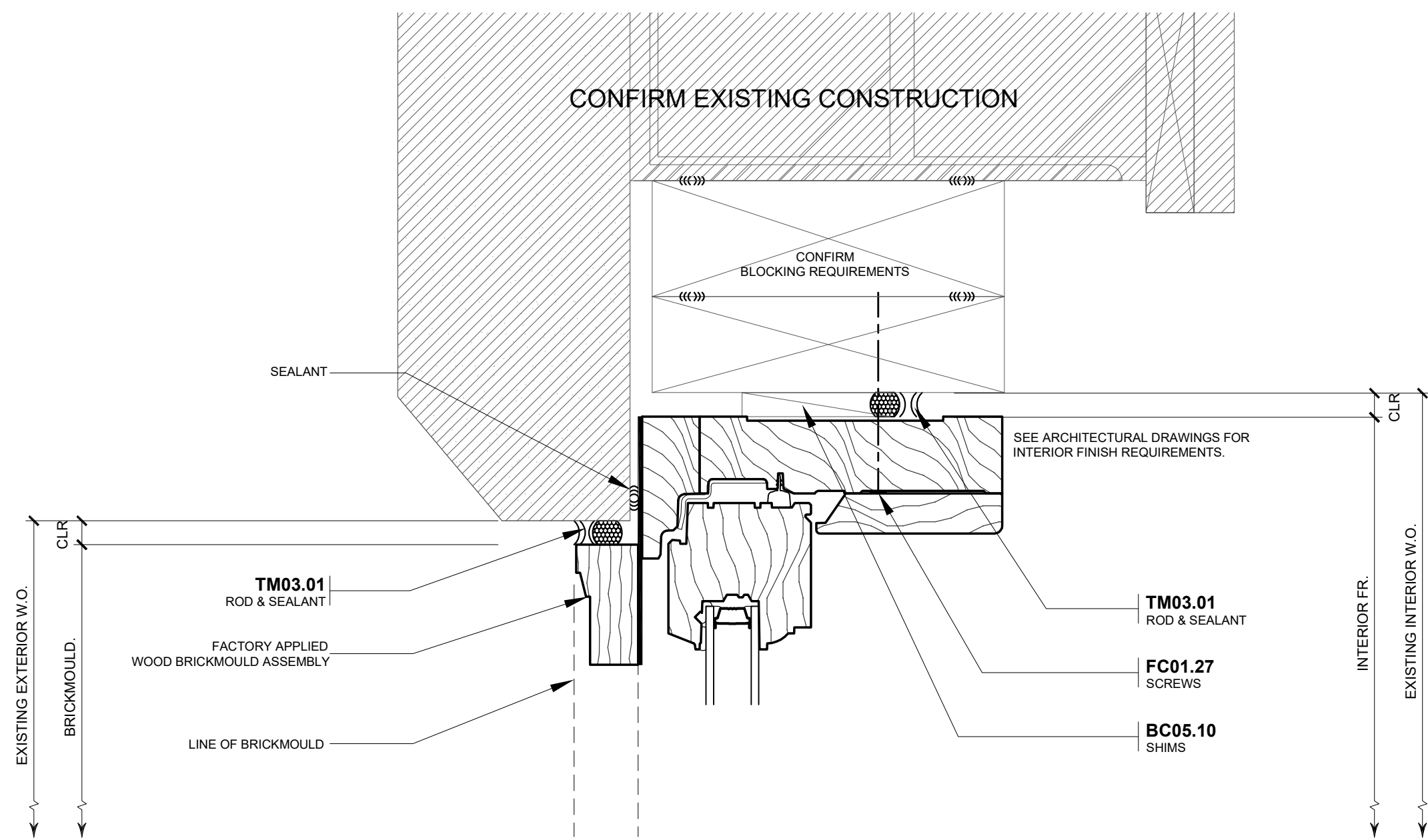


INSTALLATION SHOP DRAWING FOR
MARLBOROUGH APARTMENTS BUILDING RENOVATIONS
 LOCATION: 1031 MARLBOROUGH ST., DETROIT, MI
 ARCHITECT: EDWARDS GROUP INTERNATIONAL INC.

REV.	DATE	REV.	DATE
1	2-14-19	1	
2	2-28-19	2	
3		3	
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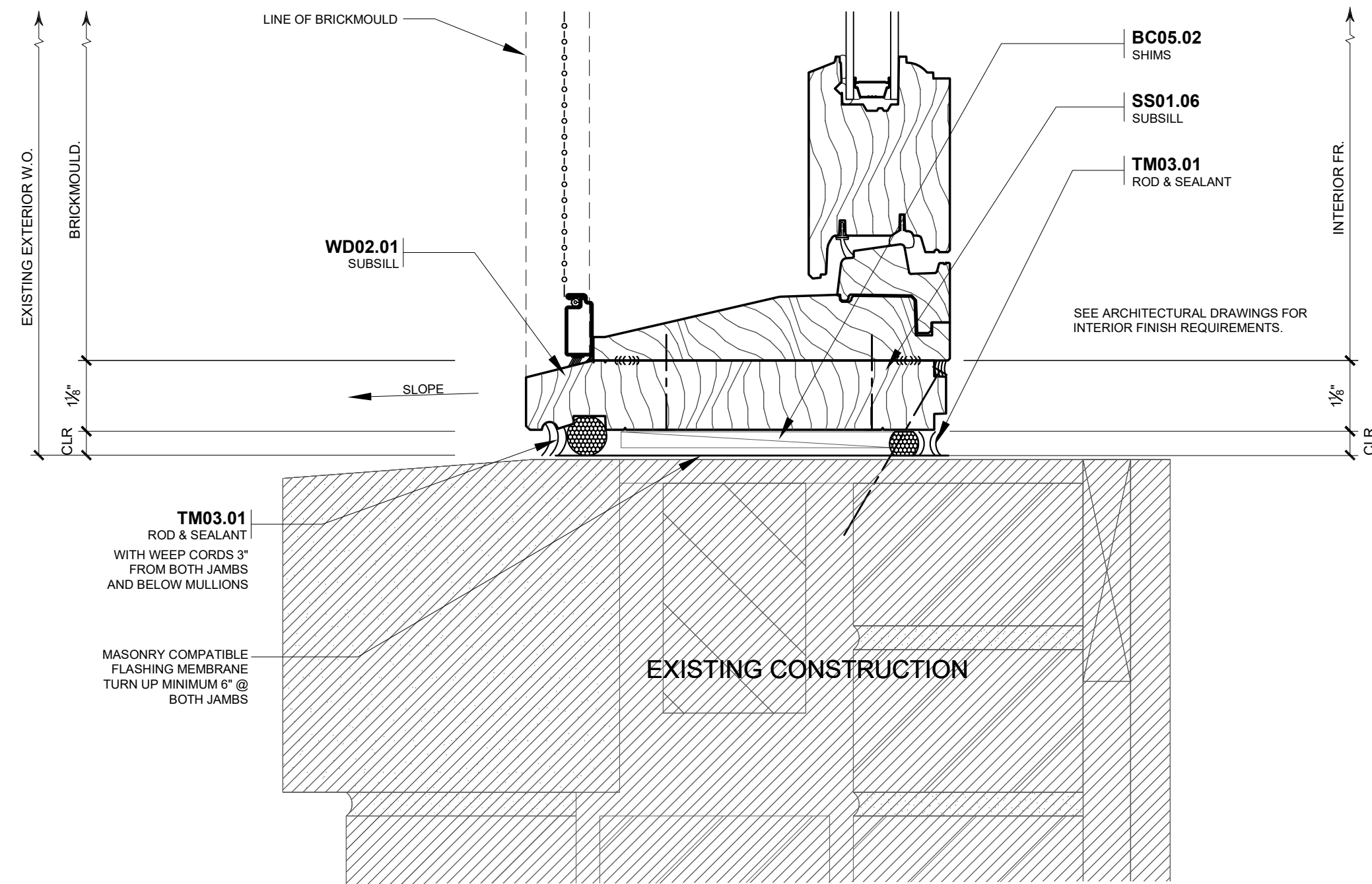
ORIGINAL: 2-7-19
 DRAWN BY: NRK
 CHECKED BY: GG
 Project No.:
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ARCHITECTURAL SUPPORT SERVICES
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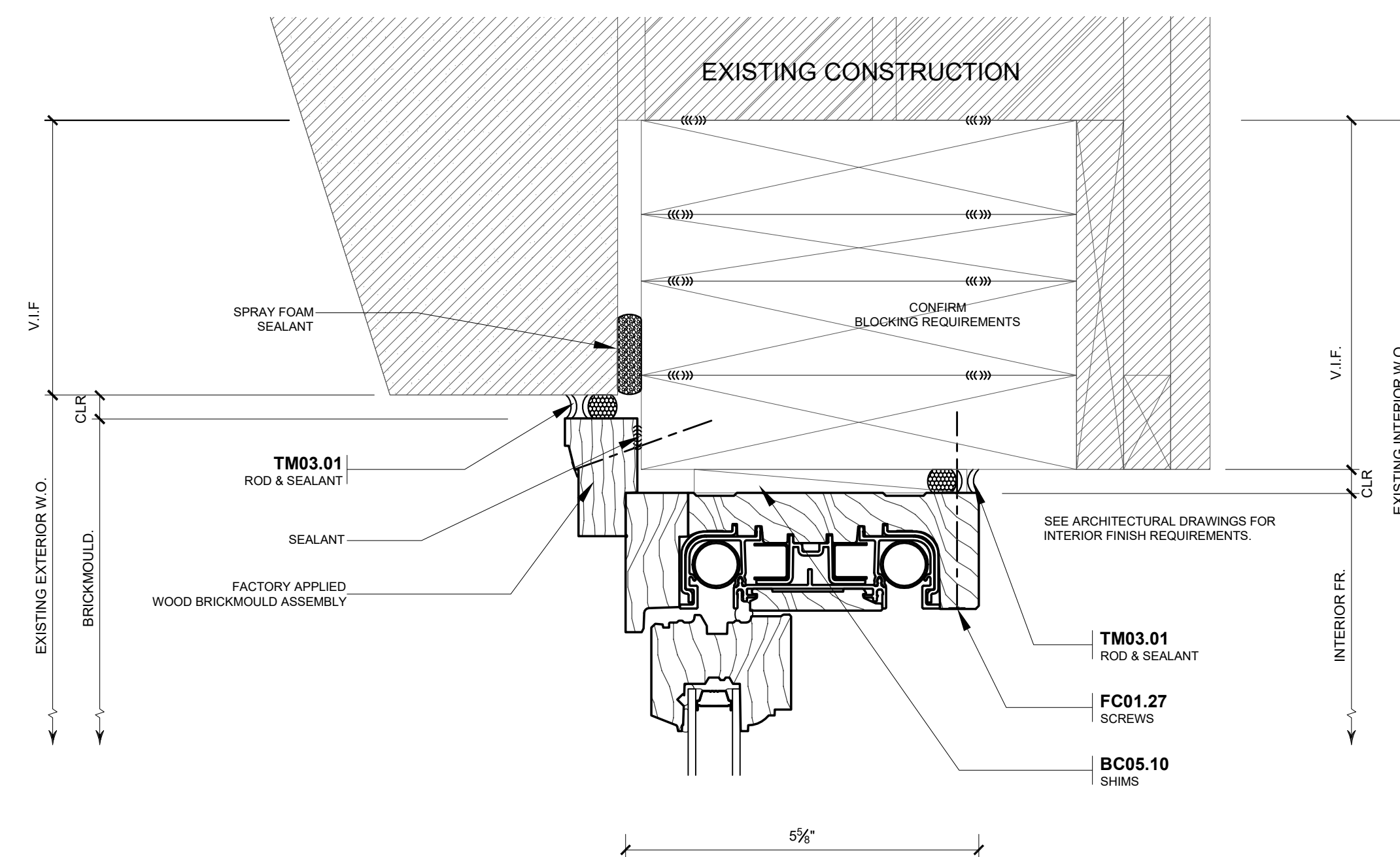
4 HEAD - SQUARE BACK

REF. ARCH. DWG.: 3/EC-2



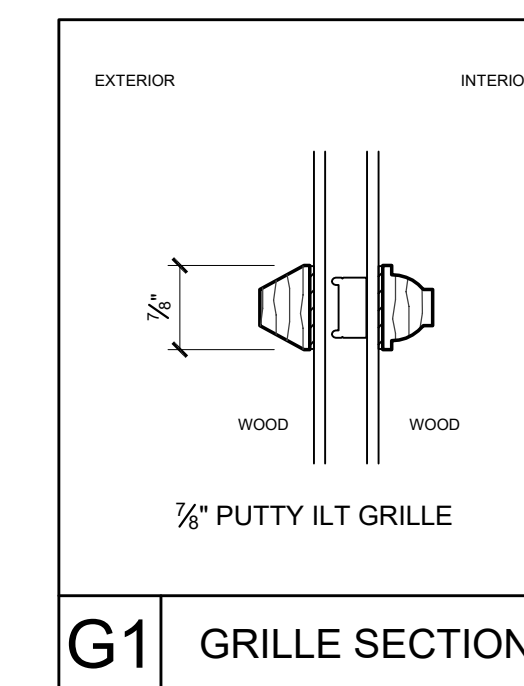
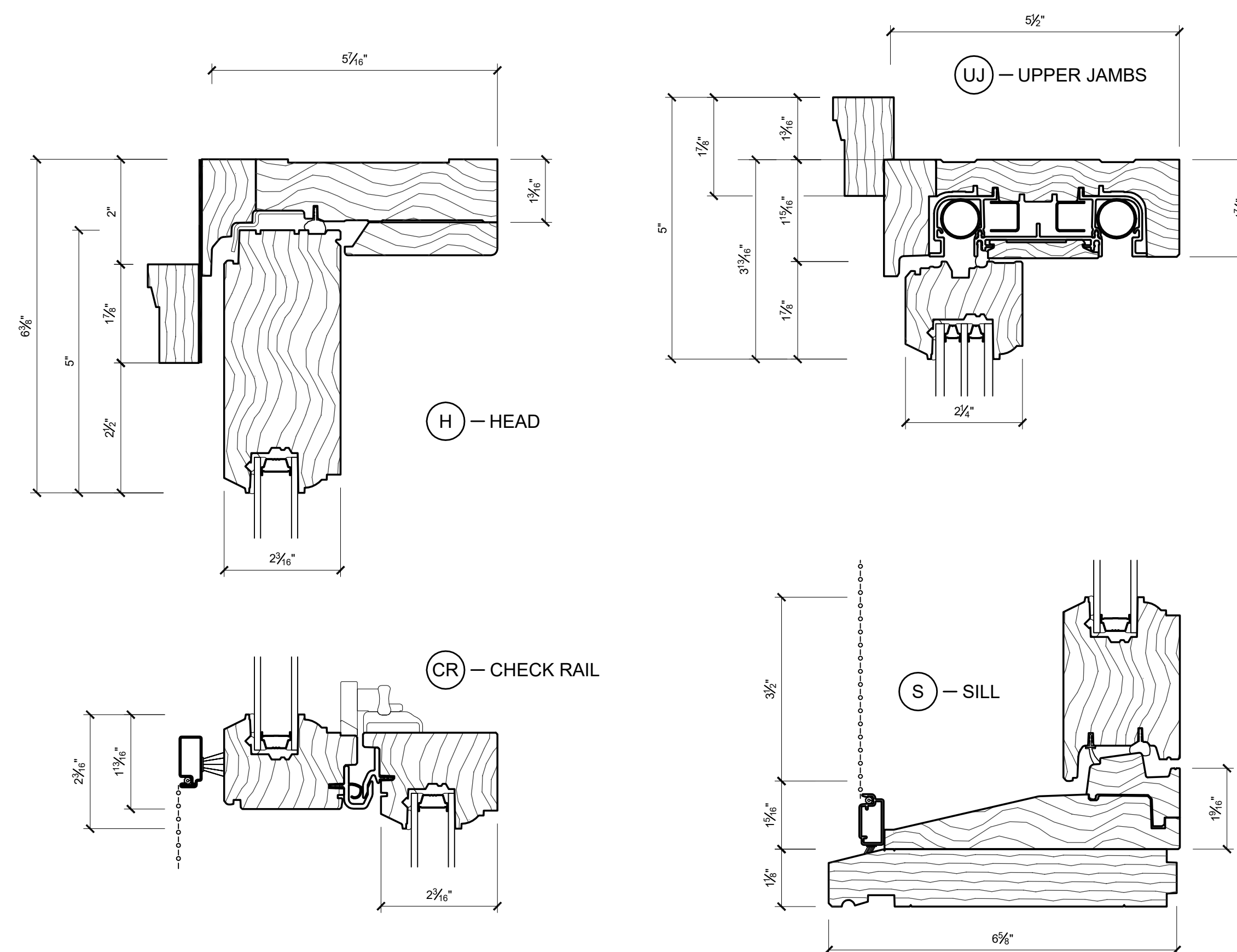
6 SILL - SQUARE BACK

REF. ARCH. DWG.: 5/EC-2



5 JAMB - SQUARE BACK

REF. ARCH. DWG.: 1/EC-2, 2/EC-2 (SIM)



DETAIL KEYNOTES

BC : BUILDING COMPONENTS (BY OTHERS)

BC05.02 LEVEL OPENING SILL PRIOR TO UNIT INSTALLATION. PROVIDE IMPERVIOUS SHIMS 1/2" FROM EACH OPENING JAMB AND AT WINDOW MULLION AS REQUIRED. FOR VINYL WINDOWS, ADD SHIMS SO MAXIMUM SPACING IS 18"

FC : FASTENING COMPONENTS

FC01.27 PRE-DRILL PILOT HOLES AND ANCHOR UNIT TO OPENING WITH #8 x 3 1/8" FINISH HEAD WOOD SCREWS SPACED WITHIN 6" OF OUTSIDE EDGE AND 16" ON CENTER MAXIMUM. CAUTION: SHIM AT ANCHORAGE LOCATIONS. DO NOT BOW WINDOW FRAME.

SS : SUBSILL / SILL PANS

SS01.06 ANCHOR UNIT THRU SUBSILL TO OPENING WITHIN 6" OF ENDS AND 16" ON CENTER (MAXIMUM).

TM : THERMAL AND MOISTURE PROTECTION

TM03.01 WATER RESISTANT BACKER ROD AND SEALANT.

WD : WOOD WINDOW ACCESSORIES

WD02.01 WOOD SUBSILL.

VERIFY EXISTING CONSTRUCTION

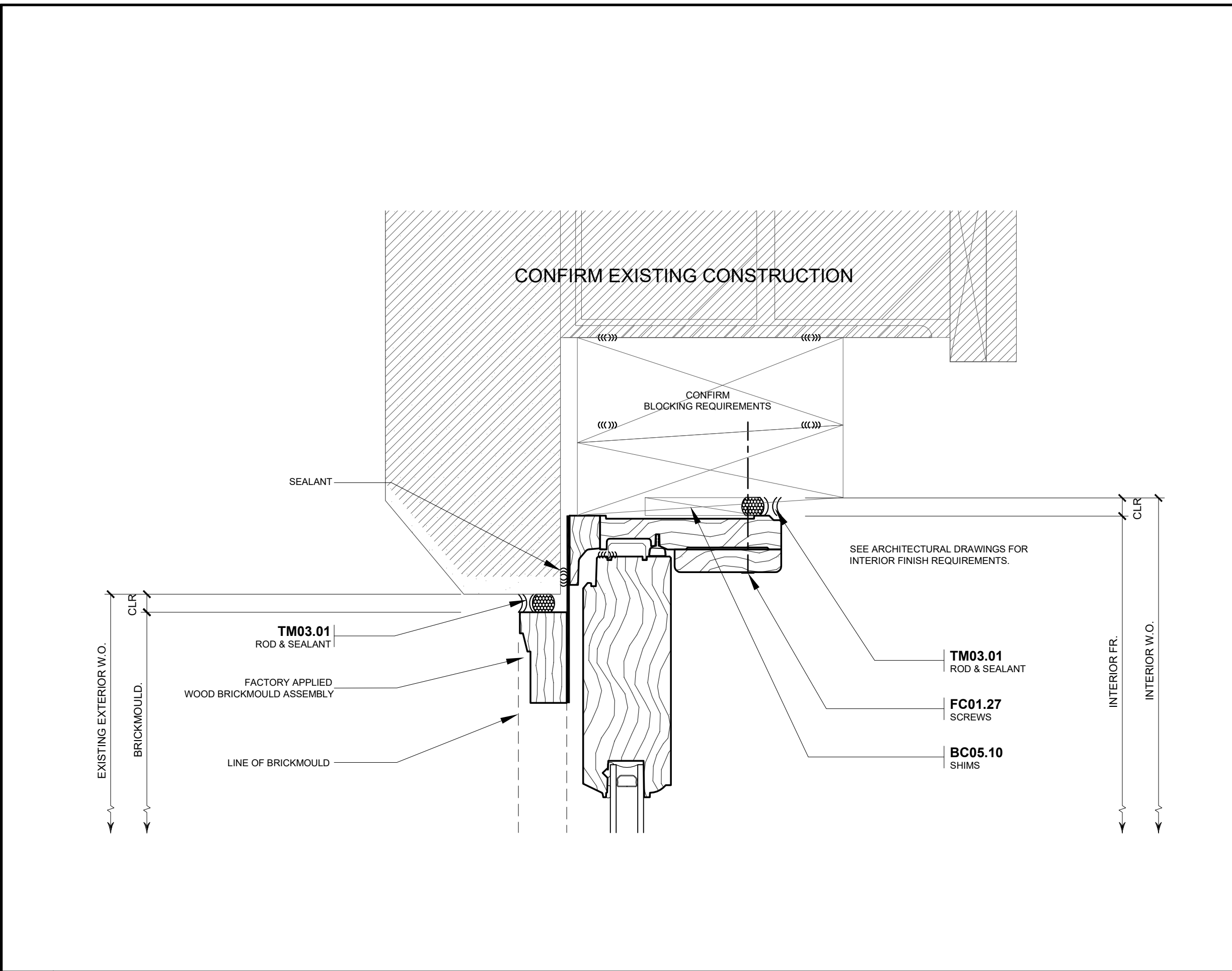
REVIEW ALL EXISTING CONSTRUCTION FOR OPENING SIZE & ENSURE STABILITY OF EXISTING MATERIALS. CONFIRM THAT THE PROPOSED DETAILS WILL COMPLY W/ EXISTING FLASHING TO PROVIDE EFFECTIVE WATER MANAGED SYSTEM.

ARCHITECTURAL SUPPORT SERVICES
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 Pella, Iowa

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1	2-28-19		

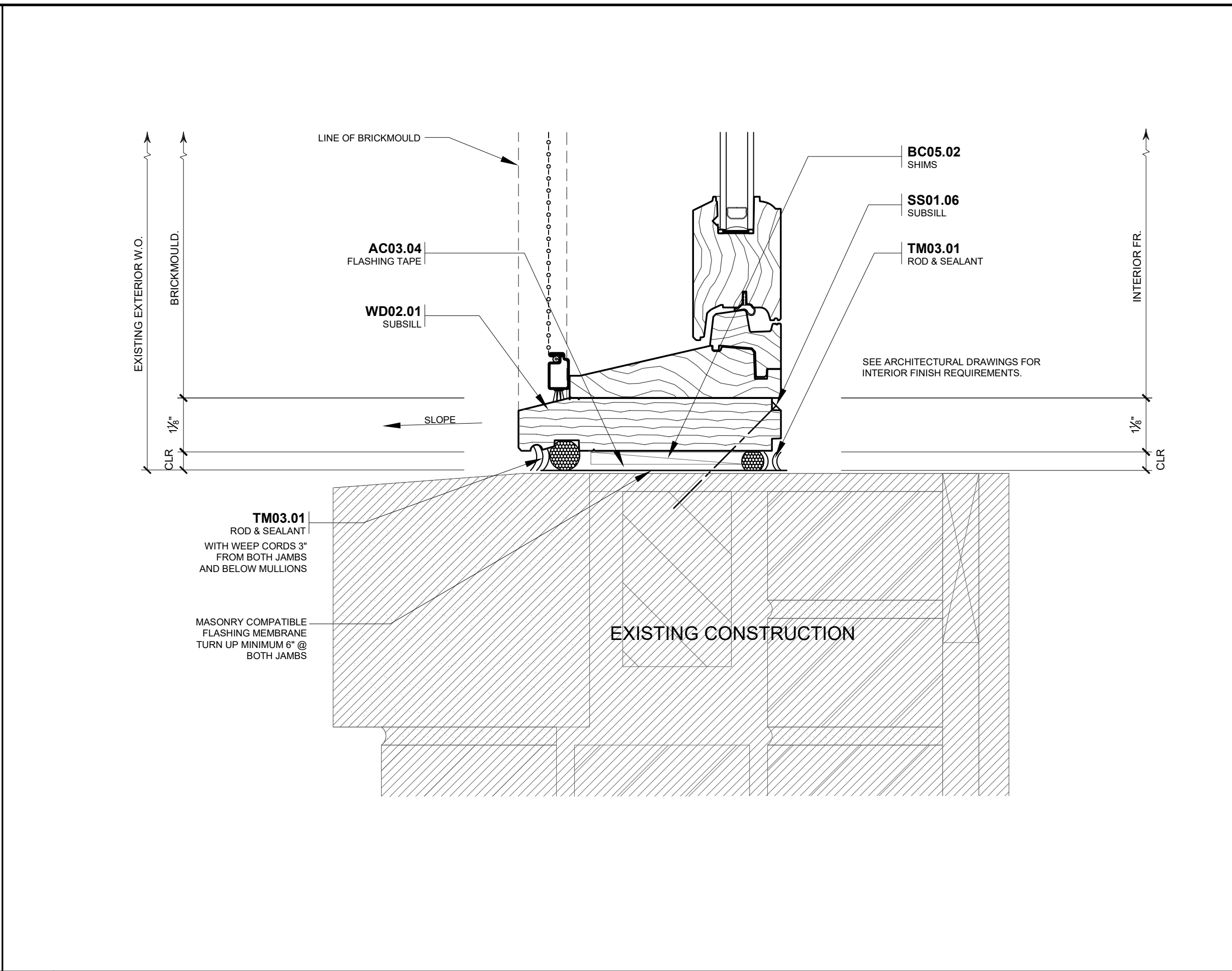
INSTALLATION SHOP DRAWING FOR
MARLBOROUGH APARTMENTS BUILDING RENOVATIONS
 LOCATION: 1031 MARLBOROUGH ST., DETROIT, MI
 ARCHITECT: EDWARDS GROUP INTERNATIONAL INC.

ORIGINAL: 2-7-19
 DRAWN BY: NRK
 CHECKED BY: GG
 Project No.: 206374.17
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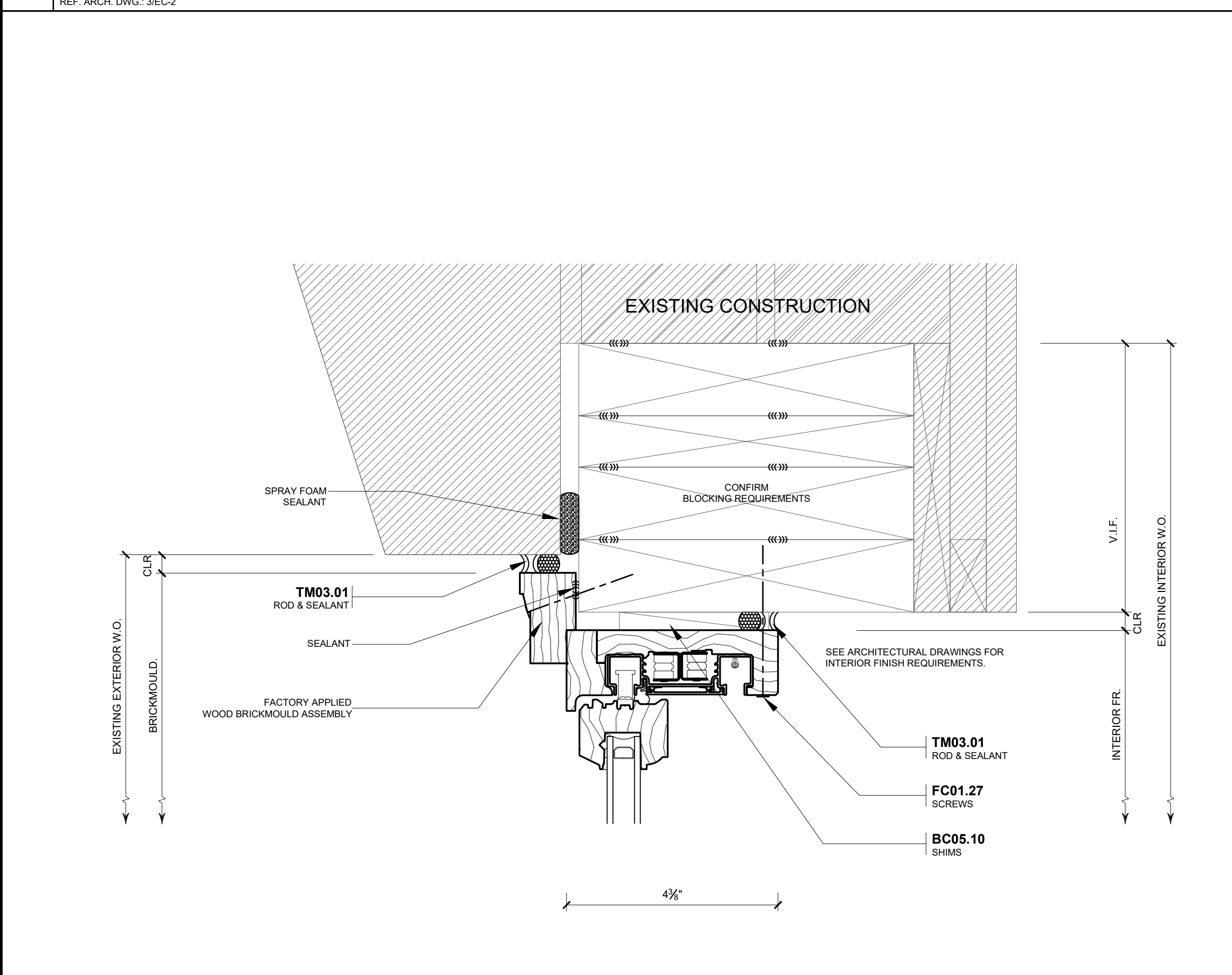
7 HEAD - SQUARE BACK

REF. ARCH. DWG.: 3/EC-2



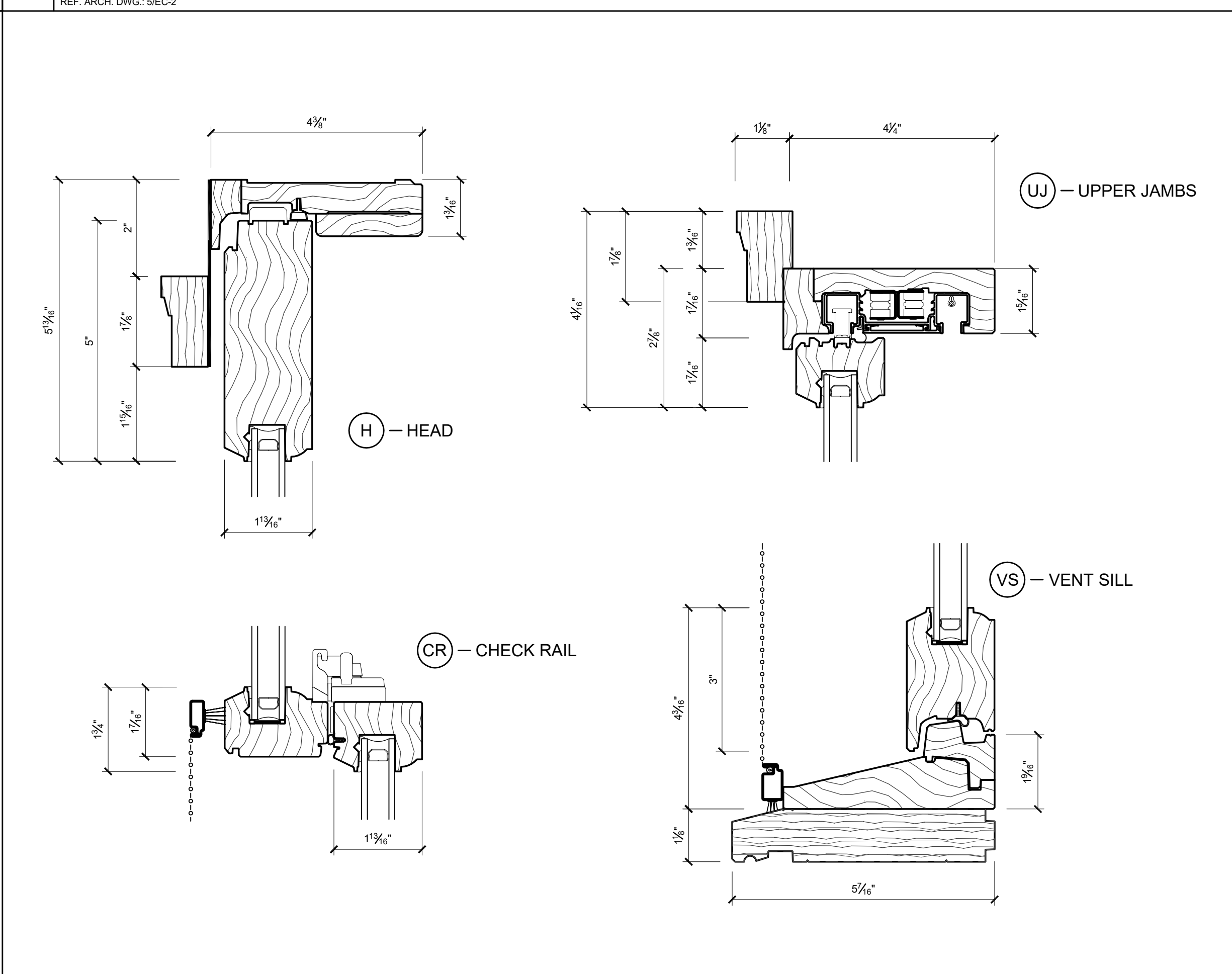
9 SILL - SQUARE BACK

REF. ARCH. DWG.: 5/EC-2



8 JAMB - SQUARE BACK

REF. ARCH. DWG.: 1/EC-2, 2/EC-2 (SIM.)



DETAIL KEYNOTES

AC : ATTACHMENT COMPONENTS
AC03.04 PELLA SMARTFLASH FOIL BACKED, BUTYL WINDOW AND DOOR FLASHING TAPE (OR EQUAL) APPLY OVER ROUGH OPENING SILL EXTENDING 6" UP EACH JAMB AND OVERLAP TO EXTERIOR AS PER DETAIL.

BC : BUILDING COMPONENTS (BY OTHERS)
BC05.02 LEVEL OPENING SILL PRIOR TO UNIT INSTALLATION. PROVIDE IMPERVIOUS SHIMS 1/2" FROM EACH OPENING JAMB AND AT WINDOW MULLION AS REQUIRED. FOR VINYL WINDOWS, ADD SHIMS SO MAXIMUM SPACING IS 18".
BC05.10 SHIM AS REQUIRED AT ANCHORAGE LOCATIONS. (DO NOT OVER SHIM)

FC : FASTENING COMPONENTS
FC01.27 PRE-DRILL PILOT HOLES AND ANCHOR UNIT TO OPENING WITH #8 x 3 1/8" FINISH HEAD WOOD SCREWS SPACED WITHIN 6" OF OUTSIDE EDGE AND 16" ON CENTER MAXIMUM. CAUTION: SHIM AT ANCHORAGE LOCATIONS. DO NOT BOW WINDOW FRAME.

SS : SUBSILL / SILL PANS
SS01.06 ANCHOR UNIT THRU SUBSILL TO OPENING WITHIN 6" OF ENDS AND 16" ON CENTER (MAXIMUM).

TM : THERMAL AND MOISTURE PROTECTION
TM03.01 WATER RESISTANT BACKER ROD AND SEALANT.

WD : WOOD WINDOW ACCESSORIES
WD02.01 WOOD SUBSILL.

VERIFY EXISTING CONSTRUCTION

REVIEW ALL EXISTING CONSTRUCTION FOR OPENING SIZE & ENSURE STABILITY OF EXISTING MATERIALS. CONFIRM THAT THE PROPOSED DETAILS WILL COMPLY W/ EXISTING FLASHING TO PROVIDE EFFECTIVE WATER MANAGED SYSTEM.

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DEPARTMENT
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Pella, Iowa

REV.	DATE	BY	CHKD
1	2-14-19		
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INSTALLATION SHOP DRAWING FOR
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LOCATION: 1031 MARLBOROUGH ST., DETROIT, MI
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