

# INSTALLATION SHOP DRAWING FOR MARLBOROUGH APARTMENTS BUILDING RENOVATIONS 910 MARLBOROUGH ST.; DETROIT, MI

### General Notes

- 1) **WARRANTY** - We warrant the performance of these Products we sold if the product is installed correctly in these installation shop drawings and other applicable standard product installation instructions. See www.pella.com for the Pella product limited warranty and our disclaimer.
- 2) **RESPONSIBILITY FOR PROPER INSTALLATION AND CODE COMPLIANCE** - These drawings and notes are prepared to be used with Pella products, are based on the information provided to Pella Corporation, and are prepared for use by architect, contractor, or other construction professionals. Final approval for others is required to ensure proper installation with other existing building codes and trades, and compliance with applicable design codes. Pella Corporation is not responsible for any form of insurance, material procurement or connection with the installation and use of these Pella products. These drawings are not intended to be a substitute for a professional seal and stamp of any architect, engineer, contractor, or other construction professional. Installation of any product shall be in accordance with applicable building codes and other applicable design codes.
- 3) It is the responsibility of the architect and contractor to verify all applicable codes, parties, patterns, installation details, product performance requirements, safety glazing requirements, and agency requirements for compliance with local, state, government regulations and project requirements prior to installation of these products. Pella Corporation will not be held responsible for non-compliance with applicable building codes and other applicable design codes. Installation details shown on these drawings, CAUTION: These notes related otherwise, these notes on placed with relevant codes and cannot be installed in hazardous locations as defined by local codes and/or government seal, and regulations.
- 4) 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, including and exterior water stop, backing, sealant, backer rod, chafe, roll forming, and hardware are provided by others.
- 5) **Special Details Note:** Where any section details must be commercial grade complying with the project architectural specifications and that meet AIA/CES/CES, unless otherwise specified on these drawings. Details used in the installation of the Pella windows and doors must be installed per product manufacturers' recommendations, local code requirements, and state and local laws, including proper application, proper construction, seal of gaskets, compliance with all applicable codes and regulations. Special details are for generalizing only per AIA/CES/CES and applicable to its intended use. Its diameter should be 25 percent greater than the joint width for joints less than 1".
- 6) Windows and doors are sized to accommodate the following joint gap tolerances except where local codes are more stringent:
  - a) Vertical dimension: between 1/8" to 1/4" plus 1/2" or minus 1/2"
  - b) Width dimension: plus 1/2" or minus 1/2"
- 7) **NOTE ON GLASSER SYSTEMS, EXTERIOR INSULATION AND FRAMA SYSTEMS AND OTHER NON-WATER MANAGED SYSTEMS** - The design of these products must anticipate water management. It is the responsibility of the architect, engineer, designer and contractor to properly manage moisture. Pella Corporation is not responsible for claims or damages caused by contractors for non-compliance with building codes, including water management, construction and maintenance. To use metal Pella products in accordance with Pella installation instructions, or the case of Pella products to be used with systems which do not allow proper management of moisture with the wall system, the following: The determination of the suitability of building components, including the use of Pella products, is based on the design and installation of framing and sealing systems, in the responsibility of the Buyer or User. The architect, contractor, installer, or other construction professional is responsible for the design and installation of framing and sealing systems, or the maintenance, installation and use of Pella products must be assumed by Buyer and/or User.
- 8) **IMPORTANT NOTICE:** Pella products should not be used in lower-level water areas where they do not allow for proper management of moisture with the wall system, such as lower exterior foundation and foundation systems (BSI) below grade. This notice is not intended to limit the use of Pella products in these areas. Pella Corporation is not responsible for claims or damages caused by contractors for non-compliance with building codes, including water management, construction and maintenance. To use metal Pella products in accordance with Pella installation instructions, or the case of Pella products to be used with systems which do not allow proper management of moisture with the wall system, the following: The determination of the suitability of building components, including the use of Pella products, is based on the design and installation of framing and sealing systems, in the responsibility of the Buyer or User. The architect, contractor, installer, or other construction professional is responsible for the design and installation of framing and sealing systems, or the maintenance, installation and use of Pella products must be assumed by Buyer and/or User.
- 9) These drawings are the property of Pella Corporation and shall not be reproduced in whole or in part without written permission from an authorized representative of Pella Corporation.
- 10) Product cross sections shown on these drawings are subject to change without notice.

### Abbreviations

ALUM. = ALUMINUM	ENG. = ENGINEERING	R.O. = ROUGH OPENING
C.S. = CHROME/STAINLESS	MAN. = MANUFACTURE	SEI = SELF-CLEANING SYSTEM
CLR. = CLEARANCE	M.F.O. = MANDATORY OPENING	TOB = TO BE DETERMINED
CL. = CENTRAL	N.A. = NOT AVAILABLE	TOTAL FRAME
DM = DIMENSION	OC = ON CENTER	V.G. = VERTICAL GLASS
EQ. = EQUAL	OP = OPERABLE	W.F. = WEIGHT IN FIELD
FRWG. = FLAT HEAD WINDOW SCREEN	OPF. = OPERABLE	W.G. = WINDOW OPENING
HTS. = HARDWARE	PRD. = PRODUCT	

### Hatch Patterns

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

### Symbols

T = TEMPERED GLAZING	L = LAMINATED	P = PANEL
IG = IMPACT GLAZING	OG = OBSCURE GLAZING	S = SPHEROIL
FI = FIELD MULLION INDICATOR	PB = PARTIAL BLOCKING	SE = SEALANT
DC = DETAIL CUT	CB = CONTINUOUS BLOCKING	FR = FASCINER ROD
MR = MULLION REINFORCEMENT	SFS = SPRAY FOAM SEALANT	

*Please See Attached Elev. for coordination.*

*In some cases R.O. is significantly smaller than masonry opening. Is there panning planned? None are shown on the details.*

*Rough Opening available should be field verified to confirm mfr. requirements are met.*

### Archives

Architects

APPROVED

APPROVED AS NOTED

APPROVED AS NOTED RESUBMIT FOR RECORD

REVISE AND RESUBMIT

NOT APPROVED

This shop drawing/ submittal has been reviewed for general compliance with the design intent of the contract documents. This review does not relieve the submitter from the responsibility to provide products adhering to current building codes.

Approved By: *Devin Mason*

### Construction Documents Received

THESE DRAWINGS WERE PREPARED FROM THE FOLLOWING INFORMATION:

DATE	DRAWING	DATE
12-18-10 <td>SHEETS A-3 TO A-10 <td></td> </td>	SHEETS A-3 TO A-10 <td></td>	
	REVISIONS	
	ADDENDUM	
	OTHER	

### Components & Cladding Design Pressures

CODE: ASCE 7-10 / IBC 2012, IBC 2015

Mean Roof Height (ft)	40	Building Length (ft)	N/A
Design Wind Speed (MPH)	115	Building Width (ft)	N/A
Exposure Category	B	Edge Top (ft)	100%
Building Classification/ Occupancy Category	I		
Topographical Factor	1		

Sq Ft of Opening	Zone 4		Zone 5	
	Pos. P	Neg. P	Pos. P	Neg. P
10	15.4	-15.9	13.4	-20.3
20	14.7	-15.1	12.7	-19.4
50	13.8	-14.2	11.8	-17.5
100	13.1	-13.5	11.1	-16.1
500	11.4	-12.8	11.4	-12.9

Note: The pressure and loads shown herein shall be used in accordance with applicable building codes and standards. The design pressures and loads shown herein are based on ASCE 7-10 design pressures.

### Special Notes

- 1) CONFIRM THE FOLLOWING ITEMS ARE ACCEPTABLE WITH THE GENERAL CONTRACTOR AND PROJECT ARCHITECT:
  - 1) INSTALLATION ACCESSORIES SUCH AS BLOCKING, SHIMS, FASTENERS, FLASHING TAPE, Gaskets, BEARERS, INTERIOR TRIMMER FINISHES, AND WINDOW BARBERS ARE BY OTHERS. ALL OTHERS NOTED OTHERWISE.
  - 2) FIELD VERIFY ALL DETAILS & DIMENSIONS.
  - 3) ARCHITECT TO VERIFY SAFETY GLAZING & EGRESS REQUIREMENT.
- 2) CAUTION WITH HANDLE PRODUCTS: ALL PELLA PRODUCTS SHOULD BE KEPT VERTICAL DURING HANDLING AND STORAGE. ANY TIPPING/COLLIDING COULD RESULT IN PRODUCT AND/OR MULLION FAILURE.
- 3) 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 IS VACANT. A WINDOW OR DOOR IS ALLOWED TO BE VACANT.
- 4) PELLA CORPORATION DOES NOT ASSUME PROJECT SPECIFICATIONS. THEREFORE, CONFIRMANCE TO PROJECT SPECIFICATIONS IS THE SOLE RESPONSIBILITY OF THE PELLA SALES REPRESENTATIVE AND THE GENERAL CONTRACTOR.
- 5) DUE TO THE NATURE OF ANY REPLACEMENT PROJECT IT IS IMPERATIVE THAT THE ARCHITECT, ENGINEER OR CONTRACTOR DETERMINE IF THE EXISTING STRUCTURE IS STRUCTURALLY SOUND FOR THE GENERAL CONTRACTOR TO BE THE WINDOW OPERATOR FOR THIS PROJECT. IN ADDITION, THE ARCHITECT, ENGINEER AND CONTRACTOR MUST SET PARAMS IF THE AREA BEING REPLACED IS NOT ACCURATE WITH THE EXISTING. THE CONTRACTOR MUST BE CHECKED TO DETERMINE IF WATER PROBLEMS EXIST. ANY WATER PENETRATION MUST BE REPAIRED PRIOR TO INSTALLING THE NEW WINDOWS.

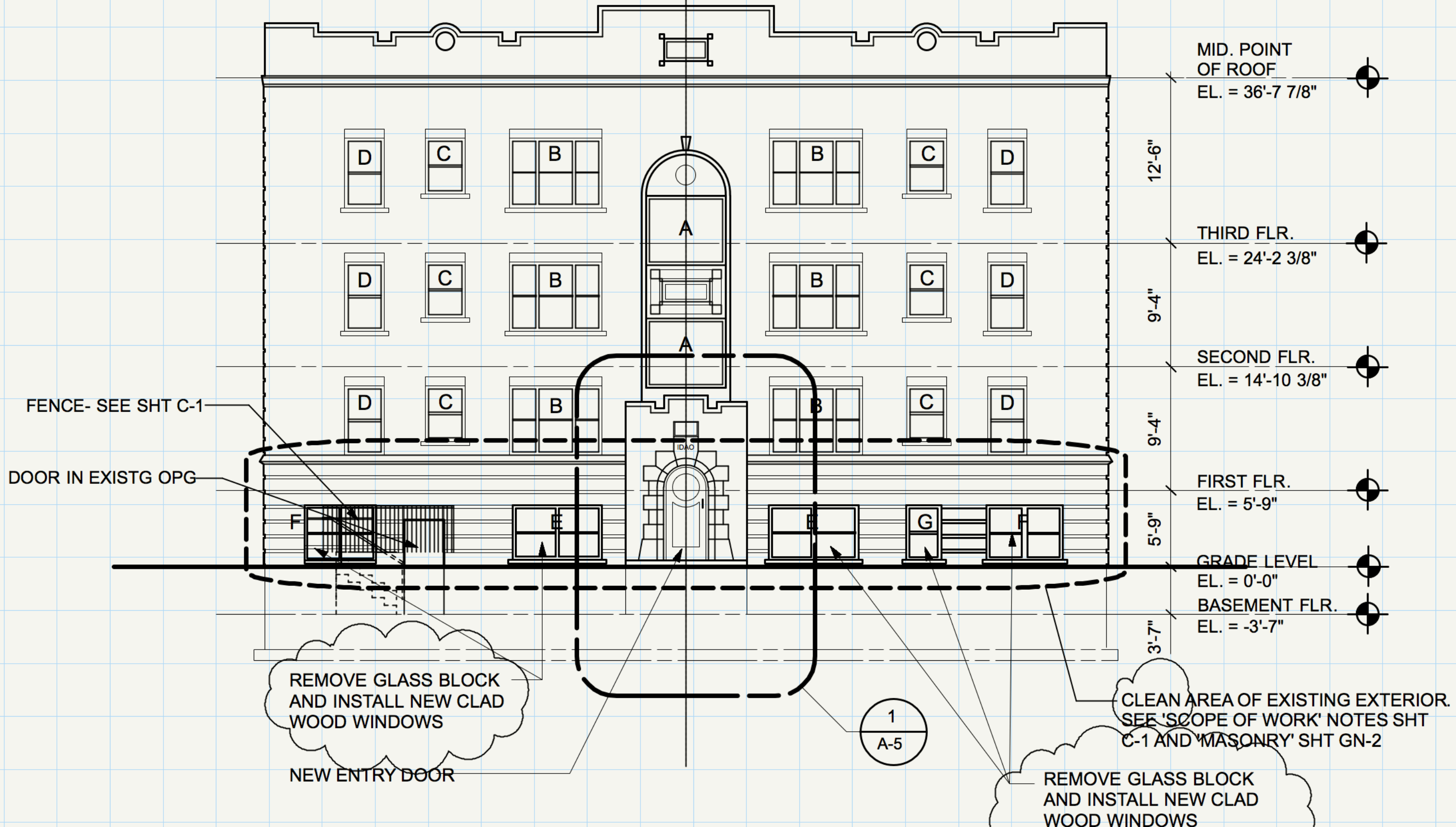
### Mullion Reinforcement

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

MARK #	REINFORCEMENT TYPE	MAX. END LOAD

### Field Water Testing

FIELD WATER TESTING (IF SPECIFIED) SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 110. TEST PROCEDURE B. TEST PRESSURE SHALL BE BASED ON THE MAXIMUM POSITIVE COMBINATION AND GLAZING DESIGN PRESSURE UTILIZING THE ASMA 542 FIELD TEST REDUCTION. THE WATER TEST PRESSURE IS 10% OF THE MAXIMUM POSITIVE DESIGN PRESSURE.



1  
A-3

# WEST ELEVATION

SCALE: 1/8"=1'-0"

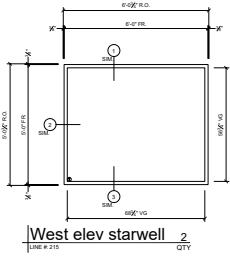
1  
A-5

REMOVE GLASS BLOCK AND INSTALL NEW CLAD WOOD WINDOWS

REMOVE GLASS BLOCK AND INSTALL NEW CLAD WOOD WINDOWS

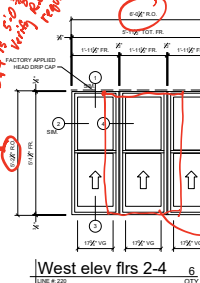
NEW ENTRY DOOR

CLEAN AREA OF EXISTING EXTERIOR. SEE 'SCOPE OF WORK' NOTES SHT C-1 AND 'MASONRY' SHT GN-2



A

Masonry opening @  
Firs 2-4 is 6'-0" x 9'-0"  
Verify R.D. reqmt.



B

Masonry opening is  
6'-8 1/2". Verify R.D. reqmt.

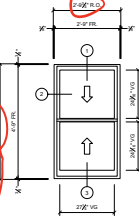
Masonry opening is  
9'-1/2". Verify R.D. reqmt.



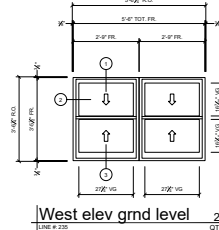
C

VERIFY. MASONRY OPN  
ON SITE IS APPROX  
2'-8"

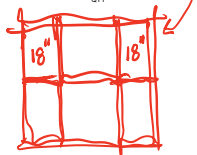
Masonry opening  
is 5'-0". Verify  
R.D. reqmt.



D

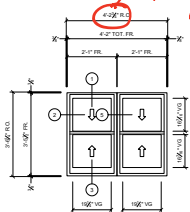


E

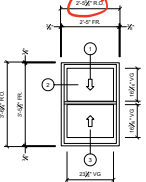


LARGE CENTRAL  
WINDOW WITH  
SMALLER FLANKING  
WINDOWS

Masonry opening is  
5'-9". Verify R.D.  
reqmt.

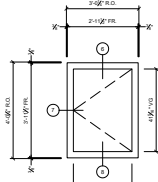


F

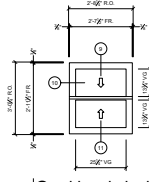


G

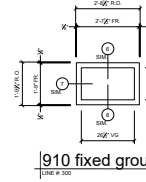
Masonry opening  
is 2'-8". Verify  
R.D. reqmt.



grd egress grown



Grd level vinyl



910 fixed ground lvl

NOTE FOR CONTRACTOR: ARE THESE A PART OF THIS SCOPE?  
NOT ON WEST ELEVATION.

NO.	REV.	DATE	BY	CHKD.	DESCRIPTION
1	1	11/11/14	MM	MM	ISSUED FOR PERMIT
2	1	11/11/14	MM	MM	ISSUED FOR PERMIT
3	1	11/11/14	MM	MM	ISSUED FOR PERMIT
4	1	11/11/14	MM	MM	ISSUED FOR PERMIT
5	1	11/11/14	MM	MM	ISSUED FOR PERMIT
6	1	11/11/14	MM	MM	ISSUED FOR PERMIT
7	1	11/11/14	MM	MM	ISSUED FOR PERMIT
8	1	11/11/14	MM	MM	ISSUED FOR PERMIT
9	1	11/11/14	MM	MM	ISSUED FOR PERMIT
10	1	11/11/14	MM	MM	ISSUED FOR PERMIT

SPECIFICATIONS										NOTE: CUSTOM ATTRIBUTES (IF ANY) WILL BE NOTED UNDER THE ELEVATION LABEL																				
Line #	Quote No.	UNIT ID	Windward Venting	Operation / Venting	Exterior Material Types	Wood Type	Exterior Paint Grade	Exterior Color	Interior Finish	Gazing Type	Insulated Type	Glass Strength	Insulated Glass Options	Low-E Glass Type	Gas Filled	U-Factor	SHGC	WLT	Performance Class	PG	Jamb Extended Walk Depth	Exterior Sash / Panel Profile	Interior Sash / Panel Profile	Hardware Finish	Screen Option	Screen Exterior Paint Grade	Screen Color	Interior Color	Hardware Type	
215	1028705	West elev above west	Support Products Traditional Rectangle	Fixed Flame	Clad	Pine	Standard EnduraClad	Brown	Prerefined White Paint	Insulated	Dual	Tempered	Low-E	Advanced Low-E Insulating Glass	Argon	0.28	0.32	0.60	CW	60	3 11/16"									
220	1028705	West elev B/s 2-4	Architect Series(R) Reserve Traditional Single-Hung	Single Hung	Clad	Pine	Standard EnduraClad	Brown	Black Stain	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	Matte Black	Half Screen	Standard EnduraClad	Brown			
220	1028705	West elev B/s 2-4	Architect Series(R) Reserve Traditional Single-Hung	Single Hung	Clad	Pine	Standard EnduraClad	Brown	Black Stain	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	Matte Black	Half Screen	Standard EnduraClad	Brown			
220	1028705	West elev B/s 2-4	Architect Series(R) Reserve Traditional Single-Hung	Single Hung	Clad	Pine	Standard EnduraClad	Brown	Black Stain	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	Matte Black	Half Screen	Standard EnduraClad	Brown			
225	1028705	West elev B/s 2-4	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Clad	Pine	Standard EnduraClad	Brown	Prerefined White Paint	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	White	Full Screen	Standard EnduraClad	Brown			
230	1028705	West elev B/s 2-4	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Clad	Pine	Standard EnduraClad	Brown	Prerefined White Paint	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	White	Full Screen	Standard EnduraClad	Brown			
235	1028705	West elev grid level	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Clad	Pine	Standard EnduraClad	Brown	Prerefined White Paint	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	White	Full Screen	Standard EnduraClad	Brown			
235	1028705	West elev grid level	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Clad	Pine	Standard EnduraClad	Brown	Prerefined White Paint	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	White	Full Screen	Standard EnduraClad	Brown			
240	1028705	West elev grid level	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Clad	Pine	Standard EnduraClad	Brown	Prerefined White Paint	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	White	Full Screen	Standard EnduraClad	Brown			
240	1028705	West elev grid level	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Clad	Pine	Standard EnduraClad	Brown	Prerefined White Paint	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	White	Full Screen	Standard EnduraClad	Brown			
245	1028705	West elev grid level	Architect Series(R) Reserve Traditional Double-Hung	Double Hung	Clad	Pine	Standard EnduraClad	Brown	Prerefined White Paint	Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.29	0.28	0.53	CW	50	3 11/16"	Open	Open	White	Full Screen	Standard EnduraClad	Brown			
290	1028705	9th fl egress green	Pata(R) 250 Series Casement	Left	Vinyl			Tan		Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.26	0.25	0.46	LC	35			White	Full Screen			White	Wash Hinge Hardware		
295	1028705	Grid level vinyl	Pata(R) 250 Series Double-Hung	Double Hung	Vinyl			Tan		Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.27	0.28	0.53	R	35			White	Full Screen			White			
300	1028705	9th fl grid ground lvl	Pata(R) 250 Series Fixed Casement	Fixed	Vinyl			Tan		Insulated	Dual	Annealed	Low-E	Advanced Low-E Insulating Glass	Argon	0.27	0.30	0.57	LC	35							White			

INSTALLATION SHOP DRAWING FOR

MARLBOROUGH APARTMENTS BUILDING RENOVATIONS

LOCATION: 910 MARLBOROUGH ST., DETROIT, MI

ARCHITECT: EDWARDS GROUP INTERNATIONAL, INC.

SHEETS: 21-19

DRAWN BY: SDB

CHECKED BY: SDB

PROJECT NO:

206374.14

DATE:

03-07

INSTALLATION SHOP DRAWING FOR

MARLBOROUGH APARTMENTS BUILDING RENOVATIONS

LOCATION: 910 MARLBOROUGH ST., DETROIT, MI

ARCHITECT: EDWARDS GROUP INTERNATIONAL, INC.

SHEETS: 21-19

DRAWN BY: SDB

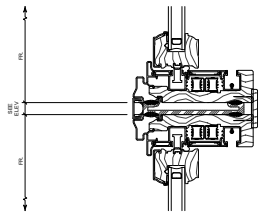
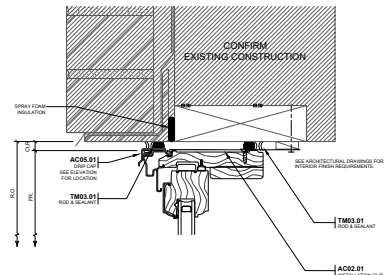
CHECKED BY: SDB

PROJECT NO:

206374.14

DATE:

03-07



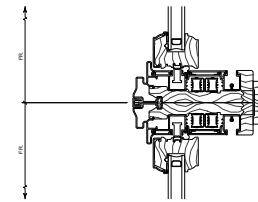
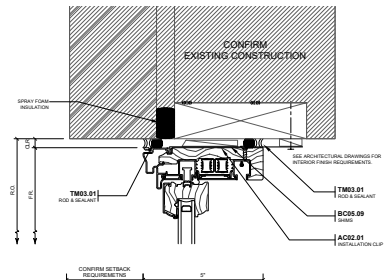
SEE ARCHITECTURAL DRAWINGS FOR WINDOW FRAME REQUIREMENTS.

### 1 HEAD

SEE ARCH. DWG. A-10

### 4 FACTORY MULLION

SEE ARCH. DWG.



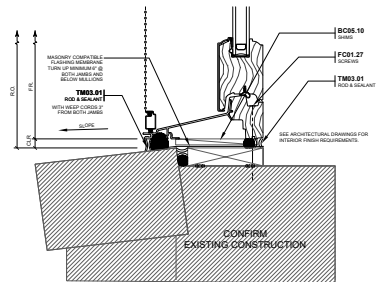
SEE ARCHITECTURAL DRAWINGS FOR WINDOW FRAME REQUIREMENTS.

### 2 JAMB

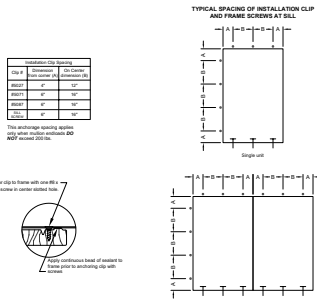
SEE ARCH. DWG. A-10

### 5 FACTORY MULLION

SEE ARCH. DWG.



CC1



### 3 SILL

SEE ARCH. DWG. A-10

### DETAIL KEYNOTES

#### AC - ATTACHMENT COMPONENTS

AC08.01 ARCHITECTURAL DRAWING SHALL BE USED FOR ALL ARCHITECTURE. INSULATION TO BE AFFIXED TO EXISTING WALL. SEE SELECTION FOR WINDOW FRAME REQUIREMENTS.

AC02.01 ARCHITECTURAL DRAWING SHALL BE USED FOR ALL ARCHITECTURE. INSULATION TO BE AFFIXED TO EXISTING WALL. SEE SELECTION FOR WINDOW FRAME REQUIREMENTS.

#### BC - BUILDING COMPONENTS (BY OTHERS)

BC08.09 WEDGE TO BE USED WITH THE INSTALLATION OF THE WINDOW FRAME.

BC06.16 GASKET TO BE USED AT WINDOW FRAME CONTACT POINTS.

#### FC - FASTENING COMPONENTS

FC01.27 COUPLER TO BE USED TO JOIN THE WINDOW FRAME TO THE WINDOW FRAME. SEE ARCHITECTURAL DRAWING FOR WINDOW FRAME REQUIREMENTS.

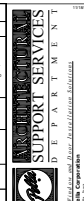
FC02.01 ARCHITECTURAL DRAWING SHALL BE USED FOR ALL ARCHITECTURE. INSULATION TO BE AFFIXED TO EXISTING WALL. SEE SELECTION FOR WINDOW FRAME REQUIREMENTS.

#### TM - THERMAL AND MOISTURE PROTECTION

TM03.01 WINDOW FRAME SEALANT ROD AND SEALANT.

#### VERIFY EXISTING CONSTRUCTION

VERIFY ALL EXISTING CONSTRUCTION FOR CORRECT SIZE & POSITION. VERIFY ALL EXISTING CONSTRUCTION IS COMPLETE AND THE REQUIREMENTS FOR THIS CALL. VERIFY BY VISUAL INSPECTION OR PENETRATION TEST. VERIFY BEFORE COMMENCEMENT OF WORK.



DATE	BY	CHKD	APP'D	REV
04/20/18	JMM	JMM	JMM	1
04/20/18	JMM	JMM	JMM	2
04/20/18	JMM	JMM	JMM	3
04/20/18	JMM	JMM	JMM	4
04/20/18	JMM	JMM	JMM	5
04/20/18	JMM	JMM	JMM	6
04/20/18	JMM	JMM	JMM	7
04/20/18	JMM	JMM	JMM	8
04/20/18	JMM	JMM	JMM	9
04/20/18	JMM	JMM	JMM	10

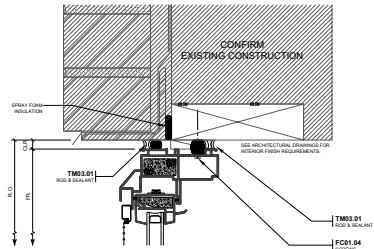
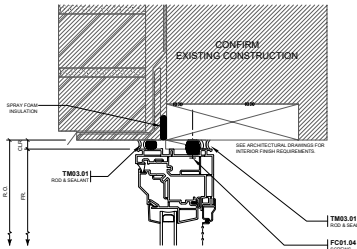
INSTALLATION SHOP DRAWING FOR

**MARLBOROUGH APARTMENTS BUILDING RENOVATIONS**

LOCATION: 910 MARLBOROUGH ST., DETROIT, MI

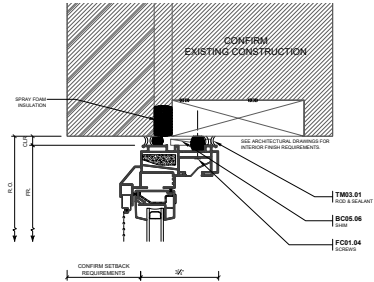
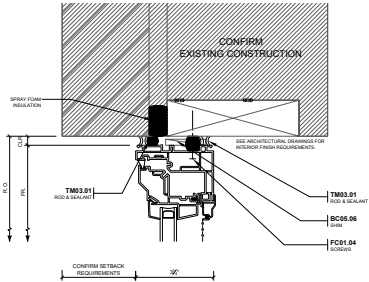
ARCHITECT: EDWARDS GROUP INTERNATIONAL, INC.

ISSUED: 03-18	DESIGN BY: JMM
REVISED BY: JMM	PROJECT NO: 206374.14
DATE: 04-07	



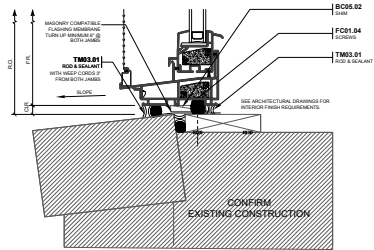
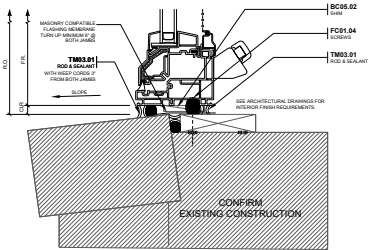
6 HEAD  
SEE ARCH. DETAIL A-10

9 HEAD  
SEE ARCH. DETAIL A-10



7 JAMB  
SEE ARCH. DETAIL A-10

10 JAMB  
SEE ARCH. DETAIL A-10



8 SILL  
SEE ARCH. DETAIL A-10

11 SILL  
SEE ARCH. DETAIL A-10

**DETAIL KEYNOTES**

**BC: BUILDING COMPONENTS (BY OTHERS)**

BC08.02: LAMINATED GLASS UNITS (LGU) WITH INTERLAYER. PERFORM IMPROVED DRAIN OF WATER BEYOND WINDOW FROM INSIDE TO EXTERIOR WALLS AS REQUIRED FOR WALL. VENEERS AND GASKETS AS SHOWN IN SECTION.

BC08.06: POLYURETHANE FOAM INSULATION TO SEAL GROUND PENETRATING INSULATION (GPI) AT WINDOW LOCATIONS. USE 100% POLYURETHANE. PROVIDE IMPROVED DRAIN OF WATER BEYOND WINDOW FROM INSIDE TO EXTERIOR WALLS AS REQUIRED FOR WALL. VENEERS AND GASKETS AS SHOWN IN SECTION.

**FC: FASTENING COMPONENTS**

FC01.04: WINDOW SETBACK REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR INTERIOR FINISH REQUIREMENTS.

**TM: THERMAL AND MOISTURE PROTECTION**

TM03.01: WATER RESISTANT BARRIER AND SEALANT

**VERIFY EXISTING CONSTRUCTION**

VERIFY ALL EXISTING CONSTRUCTION AND MATERIALS. USE A QUALITY STABILITY OF EXISTING MATERIALS. MATERIALS AND CONSTRUCTION DETAILS MUST COMPLY WITH EXISTING PLANNING TO PROTECT STRUCTURE. VERIFY MATERIALS BY OTHERS.

**ARCHITECTURAL SUPPORT SERVICES DEPARTMENT**

13/10/19

DATE	13/10/19
BY	MM
CHKD	MM
APP'D	MM
REV	
DATE	
BY	
CHKD	
APP'D	
REV	
DATE	
BY	
CHKD	
APP'D	
REV	

INSTALLATION SHOP DRAWING FOR

**MARLBOROUGH APARTMENTS BUILDING RENOVATIONS**

LOCATION: 910 MARLBOROUGH ST., DETROIT, MI

ARCHITECT: EDWARDS GROUP INTERNATIONAL, INC.

13/10/19

Drawn by: MM

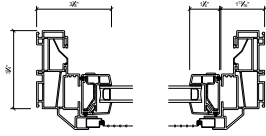
Checked by: MM

Project No: 206374.14

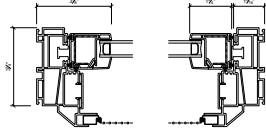
05 of 07



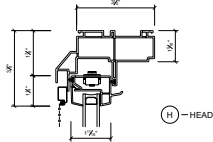
# PELLA 250 SERIES DOUBLE HUNG VINYL



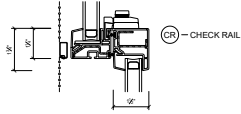
(U) — UPPER JAMBS



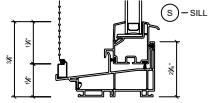
(L) — LOWER JAMBS



(H) — HEAD



(CR) — CHECK RAIL



(S) — SILL

INSTALLATION SHOP DRAWING FOR

**MARBOROUGH APARTMENTS BUILDING RENOVATIONS**

LOCATION: 910 MARLBOROUGH ST., DETROIT, MI

ARCHITECT: EDWARDS GROUP INTERNATIONAL INC.

REVISED: 2-1-19

DRAWN BY: SDB

CHECKED BY: SDB

PROJECT NO:

206374.14

SHEET:

07 of 07

DATE	BY	REVISION
11/14/18	SDB	ISSUED FOR PERMIT
11/14/18	SDB	ISSUED FOR PERMIT
11/14/18	SDB	ISSUED FOR PERMIT
11/14/18	SDB	ISSUED FOR PERMIT
11/14/18	SDB	ISSUED FOR PERMIT
11/14/18	SDB	ISSUED FOR PERMIT



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11/14/18