

INSTALLATION SHOP DRAWING FOR CITY HALL WEST DENTON, TEXAS

REV.	DATE	REV.	DATE
1	02/22/2020		
2	04/28/2020		
3	07/29/2020		

General Notes

- WARRANTY**
 - 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.
- RESPONSIBILITY FOR PROPER INSTALLATION AND CODE COMPLIANCE**
 - 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.
 - 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.
 - 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.
 - 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".
 - 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 3/4" or minus 0"
 - Width dimensions -- plus 3/4" or minus 0"
- NOTE ON BARRIER WALL SYSTEMS, EXTERIOR INSULATION AND FINISH SYSTEMS AND OTHER NON-WATER MANAGED SYSTEMS:**
 - 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.
 - 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.
- 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.
- 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 A0.00, A0.01, A1.01, A2.01, A2.02, A6.01, A6.02	5/23/2019
SPECIFICATIONS	NONE	-
ADDENDUM	NONE	-
OTHER	NONE	-

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	OP. = OPENING	VIF. = VERIFY IN FIELD
FHWS. = FLAT HEAD WOOD SCREW	OPP. = OPPOSITE	WO. = WINDOW OPENING
FR. = FRAME	REQD. = 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	 = SPANDEL
 = FIELD MULLION INDICATOR	 = PARTIAL BLOCKING	 = SEALANT
 = DETAIL CUT	 = CONTINUOUS BLOCKING	 = BACKER ROD
 = MULLION REINFORCEMENT	 = SPRAY FOAM SEALANT	

Components & Cladding Design Pressures

DESIGN PRESSURE PER CODE: ASCE 7-05 (IBC 2006, IBC 2009)

Mean Roof Height (ft):	32	Building Length (ft):	NA
Building Classification/Occupant Category:	II	Building Width (ft):	NA
Design Wind Speed (MPH):	90	Edge Strip "a" (ft):	Verify
Exposure Category:	B		
Topographical Factor:	1		

Sq ft of opening	Zone 4		Zone 5	
	Pos	Neg	Pos	Neg
10	14.8	-16.2	14.8	-19.9
20	14.1	-15.5	14.1	-18.6
50	13.2	-14.6	13.2	-16.8
100	12.5	-13.9	12.5	-15.4
500	10.9	-12.3	10.9	-12.3

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 ARCHITECTURAL DRAWING INDICATES 1" TOTAL THICKNESS INSULATING GLAZING IS REQUIRED. PELLA GLAZING THICKNESS VARIES BASED ON THE STRUCTURAL REQUIREMENTS OF THE PRODUCT.
- THE WINDOW SILL DETAILS INDICATE THE WINDOW FRAME IS SET DIRECTLY ONTO BLOCKING. PELLA INSTALLATION INSTRUCTIONS REQUIRE, AND THIS SHOP DRAWING SHOWS THE WINDOW SILL SHIMMED UP AND OFF THE ROUGH OPENING SILL WITH THE EXTERIOR SEALANT BEAD ALONG THE SILL CONTAINING WEERS. THIS PREVENTS THE TRAPPING OF INCIDENTAL MOISTURE BY ALLOWING THE INSTALLATION CAVITY TO DRAIN INCIDENTAL MOISTURE TO THE EXTERIOR.
- THE ARCHITECTURAL DRAWINGS INDICATE WINDOW TYPE D & G TO NOT CONTAIN BRICKMOULD. THE PELLA SHOP DRAWINGS DETAIL WINDOW TYPE D & G WITH FACTORY APPLIED BRICKMOULD.

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.
- 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 (AND MULLION REINFORCEMENT) SPECIFIED FOR THIS PROJECT. 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.
- THE PELLA WINDOWS SHOWN IN THIS SHOP DRAWING UTILIZE A CLIP OR THROUGH FRAME METHOD OF INSTALLATION. IT IS REQUIRED THAT THE WALL CLADDING BE IN PLACE PRIOR TO THE WINDOWS BEING INSTALLED. IT IS ALSO REQUIRED THAT THE WINDOWS RECEIVE INTERIOR AND EXTERIOR LINES OF PERIMETER SEALANT AT THE TIME OF THE WINDOW INSTALLATION.
- PELLA CORPORATION DID NOT RECEIVE PROJECT SPECIFICATIONS. THEREFORE, CONFORMANCE TO PROJECT SPECIFICATIONS IS THE SOLE RESPONSIBILITY OF THE PELLA DISTRIBUTOR AND THE GENERAL CONTRACTOR.
- THE PELLA WINDOW INSTALLATION DETAILS SHOWN IN THIS SHOP DRAWING ARE FOR PRODUCT BEING INSTALLED IN AN EXISTING MASONRY WALL THAT UTILIZES SELF-ANCHERING FLASHINGS TO ISOLATE THE ROUGH OPENING CAVITY. IF THE PELLA WINDOW PRODUCTS ARE TO BE INSTALLED IN A WALL THAT UTILIZES A DIFFERENT TYPE OF WEATHER BARRIER SYSTEM, IT IS REQUIRED THAT PELLA CORPORATION BE CONTACTED IMMEDIATELY TO ARRANGE FOR THE INSTALLATION DETAILS TO BE REVISED.

INSTALLATION SHOP DRAWING FOR

CITY HALL WEST

LOCATION: DENTON, TEXAS

ARCHITECT: ARCHITEXAS

ORIGINAL: 5/13/2020

DRAWN BY: SM

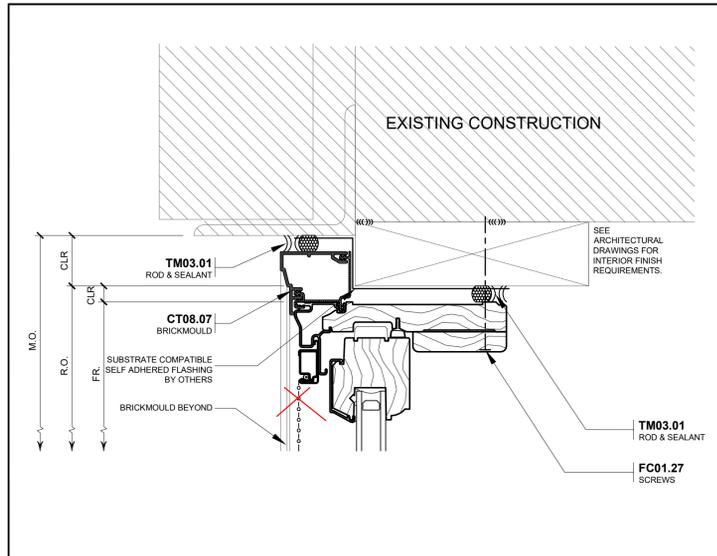
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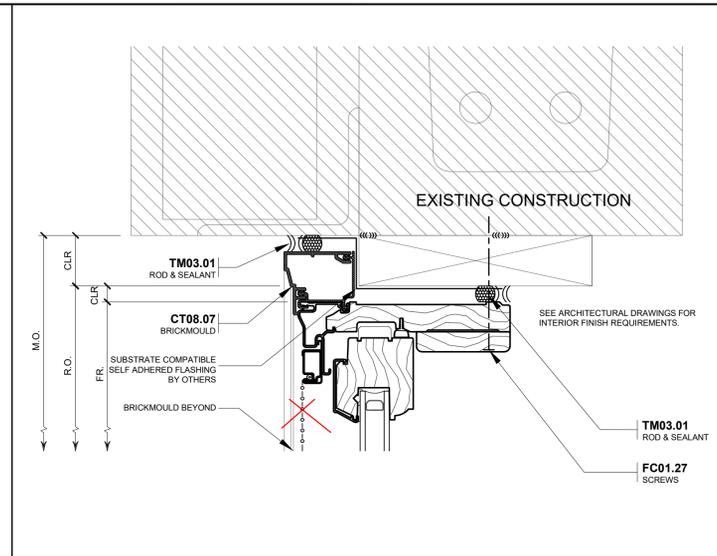
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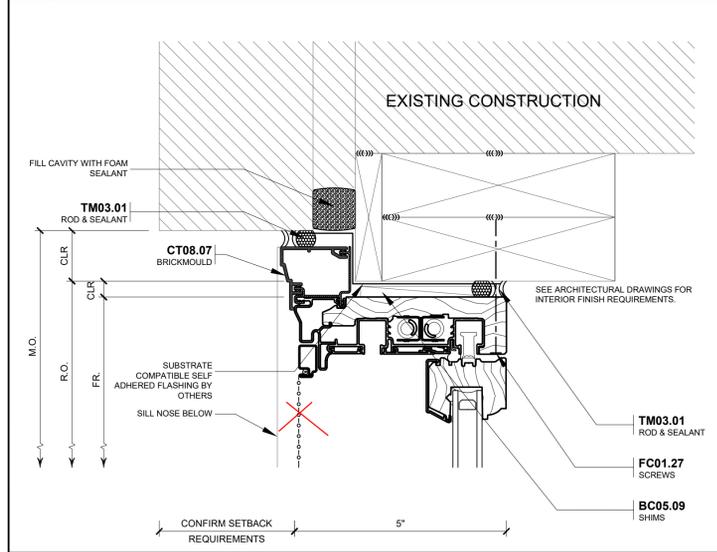
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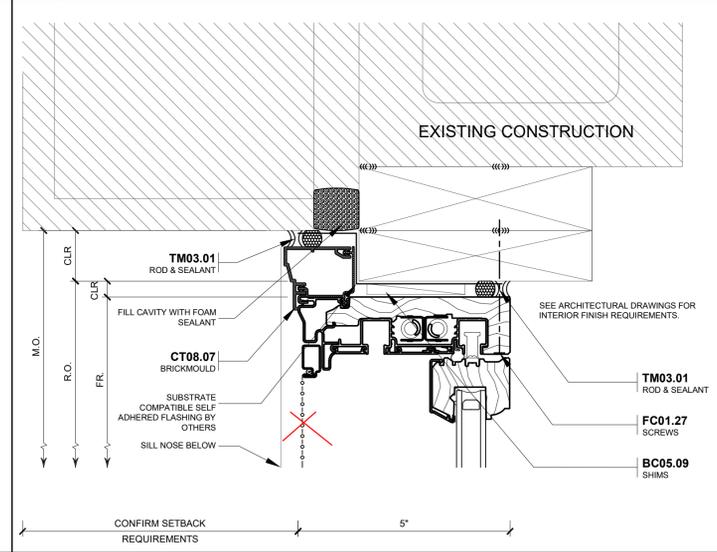
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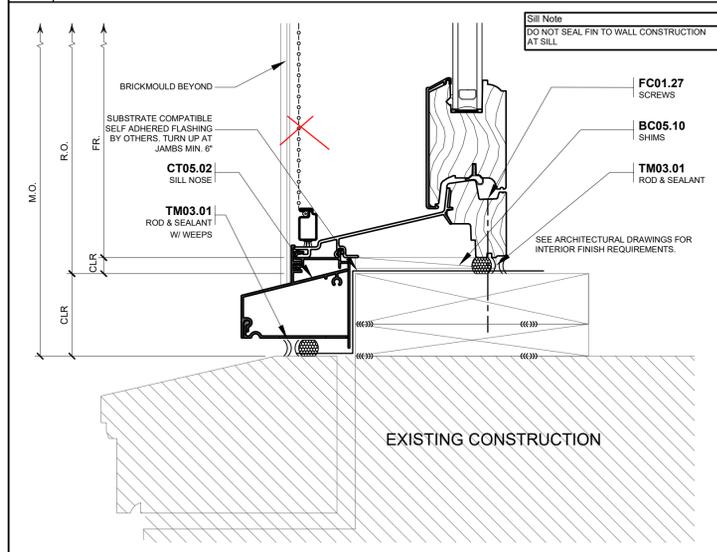
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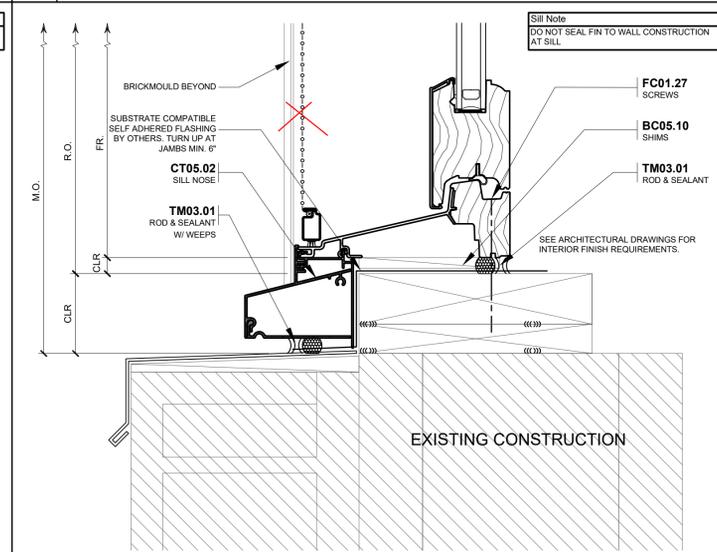
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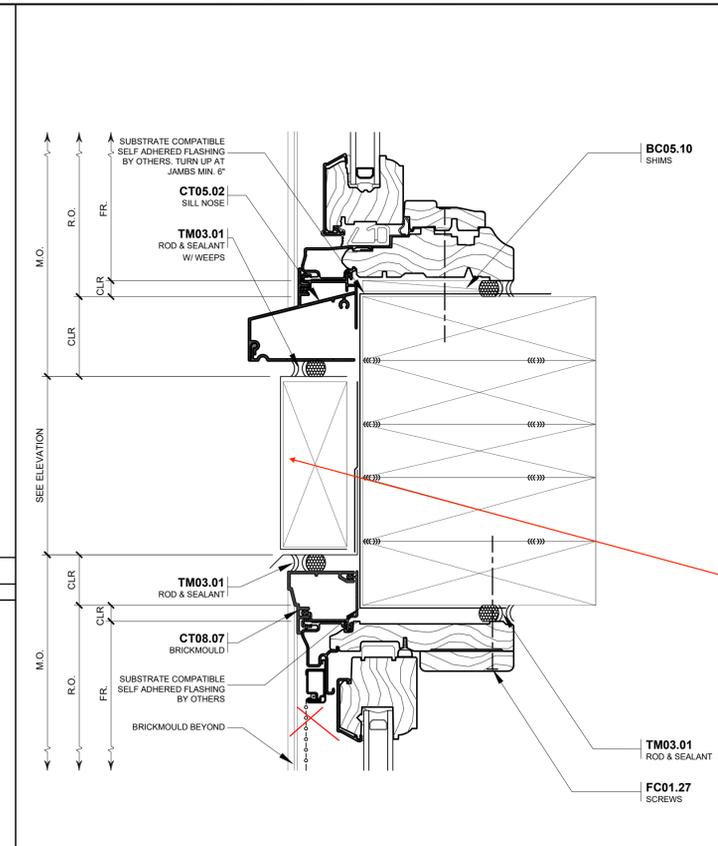
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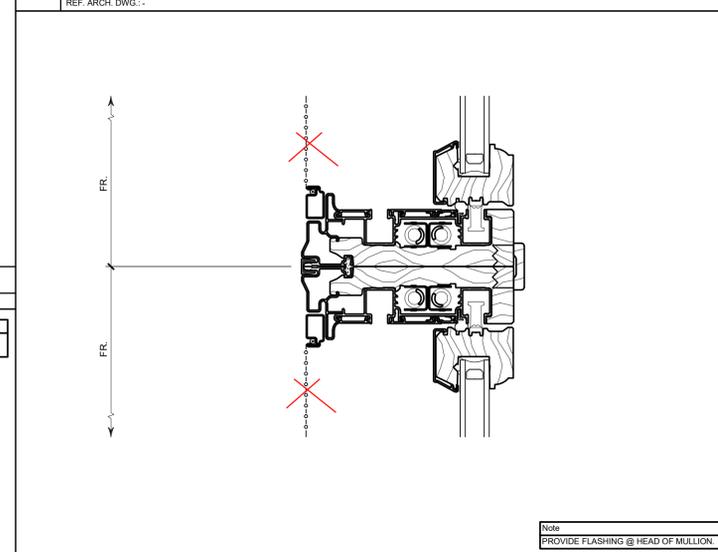
3 SILL
REF. ARCH. DWG.: 3/A6.01



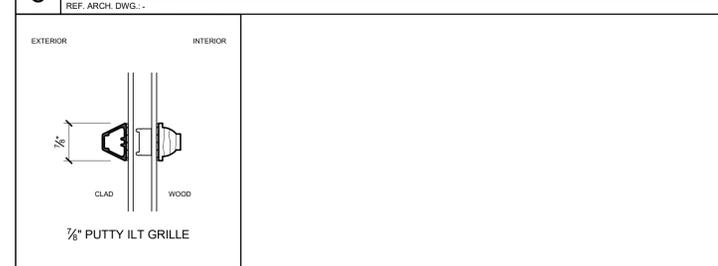
6 SILL
REF. ARCH. DWG.: 3/A6.01



7 FIELD MULLION
REF. ARCH. DWG.:



8 FACTORY MULLION
REF. ARCH. DWG.:



G1 GRILLE SECTION

DETAIL KEYNOTES

BC : BUILDING COMPONENTS (BY OTHERS)

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

BC05.10 SHIM AS REQUIRED AT ANCHORAGE LOCATIONS. (DO NOT OVER SHIM)

CT : TRIM ACCESSORIES

CT05.02 FACTORY APPLIED ENDURACLAD SILL NOSE

CT08.07 FACTORY APPLIED ENDURACLAD BRICKMOULD

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.

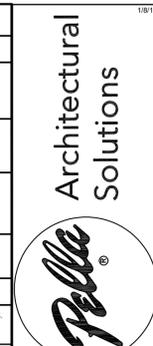
TM : THERMAL AND MOISTURE PROTECTION

TM03.01 WATER RESISTANT BACKER ROD AND SEALANT.

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.

Please send metal in coil or flat stock to be bent in field per field conditions.



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1	02/22/2020
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CITY HALL WEST
LOCATION: DENTON, TEXAS
ARCHITECT: ARCHITEXAS

ORIGINAL: 5/13/2020
DRAWN BY: SM
CHECKED BY: JV
Project No.:
218872.04
SHEET:
03 OF 03

Pella® Reserve™

Traditional Wood & Clad/Wood



Exquisitely designed windows and doors with unparalleled historical detailing.

Double-Hung Interior



Double-Hung Exterior



- **Historical details**

Our most historically authentic line of wood windows and patio doors. Featuring through-stile construction, deliberate proportions and intricate profiles. Pella Reserve - Traditional products are the ideal choice for historical renovations and traditional building projects.

- **Authentic hardware**

Complement your project with historically authentic spoon-lock window hardware. Our Antiek casement window hardware is inspired by period furniture to deliver authentic traditional style.

- **Architectural interest**

Featuring the industry's only foam spacer solution, Pella's Integral Light Technology® grille helps capture the look of true-divided-light without sacrificing energy performance. Further your aesthetic with the putty profile, recreated with historically accurate angles – providing meaningful depth and a realistic shadow. Pella Reserve products offer the industry's deepest sash dimension.

- **Virtually unlimited customization**

If you can dream it, we can build it with our most customizable product line. From extra tall to extra wide, Pella can craft unique windows that complement your aesthetic. Custom sizes, grille patterns and designs, finishes, wood types and glass options are available.

- **Tailor-made solutions**

From preliminary drawings to installation, Pella's expert team of architects, engineers, drafters and consultants can work to deliver custom window and door solutions for your project. Partner with Pella to achieve your unique vision without concessions.

- **Intentional innovation**

Winner of the 2019 Most Innovative Window from Window and Door Magazine, the Integrated Rolscreen® retractable screen preserves aesthetics and the view. It is a double- and single-hung screen that appears when you open the window, and rolls away, out of sight, when you close it.

- **Durable interiors and extruded aluminum exteriors**

To help save you time on the jobsite, interior finish options are available in a variety of paints and stains, or primed and ready-to-paint. To complement your exterior aesthetic, choose from our carefully curated color palette or define your own custom color for your project.

- **ENERGY STAR® certified¹**

Pella wood products offer energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states.

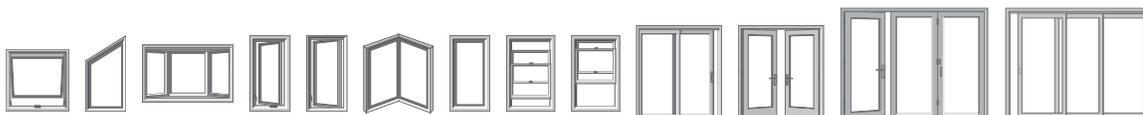
- **Testing beyond requirements**

At Pella, our products are tested beyond requirements to help ensure they have long-lasting performance and reduce call-backs for you.

- **Best limited lifetime warranty²**

Pella Reserve products are covered by the best limited lifetime warranty in the business for wood windows and patio doors.²

Available in these window and patio door styles:



Special shape windows also available.

^{1,2} See back cover for disclosures.