



Stantec Consulting Services Inc.
8401 Shoal Creek Boulevard, Suite 100, Austin, TX 78757

January 26, 2022

Attention: City of San Antonio (COSA) Office of Historic Preservation
1901 S. Alamo, San Antonio, TX 78294

Reference: Certificate of Appropriateness Application
Young Women's Leadership Academy (Horace Mann Junior High School)
San Antonio Independent School District

Address: 2123 W. Huisache Avenue (Zone R6)
San Antonio, Bexar County, TX 78201

District: Monticello Park Historic District

Dear Staff,

Enclosed you will find the Certificate of Appropriateness (COA) Application Project Description for the San Antonio Independent School District (SAISD) project at the Young Women's Leadership Academy (YWLA) (formerly Horace Mann Junior High School) located at 2123 W. Huisache Avenue in the Monticello Park Local Historic District. Cox McLain Environmental Consulting, Inc. (CMEC) – now Stantec, Inc. as of January 1, 2022 – is submitting on behalf of SAISD and Kirksey Architecture. This COA application has a targeted submission for the Historic and Design Review Commission (HDRC) meeting of February 16, 2022. The client seeks conceptual approval for the project. Additional COA applications may be submitted to the HDRC for signage and other items at a later date.

Please invoice us for the required fee for application processing. Please contact me at (512) 338-2223 or EmilyR@coxmcclain.com with any questions.

Regards,

Stantec Consulting Services Inc.

Emily Reed

Historic Preservation Program Manager

Phone: (512) 338-2223

Fax: (512) 338-2225

Email: EmilyR@coxmcclain.com

Attachments:

- **Attachment 1: Project Description and Description of Requests**
 - Enclosed; begins on page 3 of this document
- **Attachment 2a: Photographs**
 - Current, color photos of all sides of the impacted structure or property
 - Includes links to an ArcGIS Story Map about the site and a Virtual Tour
- **Attachment 2b: Survey Documentation**
 - Historic Resources Survey forms and map of resources found during survey
- **Attachment 3: Site and Landscape Plan**
 - Annotated site plan displaying building setbacks and accurate dimensions. Includes landscape and hardscape changes
- **Attachment 4: Demolition Plan, Elevations, Floorplans, and Renderings**
 - Demolition plan, elevation drawings, floorplans, and architectural drawings
- **Attachment 5 Materials List**
 - Specifications of materials to be used
 - Specifications of proposed lighting to be used throughout the campus
- **Attachment 6: Window and Door Schedule**
 - Detailed inventory and designations for the windows and doors on the remaining buildings after demolition of non-contributing wings
- **Attachment 6b: Window and Door Replacement**
 - Specifications of window/door material and type to be used at replacement locations with inventoried photographs of existing windows and doors
- **Attachment 7: Previous Documentation**
 - An archive of previous documentation of the school, including original drawings from 1935, 1956, 1965, 1974, 1987, and 2000

Project Description

YWLA is a campus comprised of multiple buildings totaling 97,371 square feet that occupies approximately 8.29 acres. The site is bounded by Mulberry and Huisache Avenues to the north and south respectively, and Lake and Kampmann Boulevards to the east and west respectively. The school is part of the Monticello Park Historic District (R-6 Neighborhood Preservation Zone), a neighborhood primarily comprised of single family detached one to two-story dwellings built during the first half of the twentieth century in various revival, Craftsman, and modern styles.

Built in 1935 as the Horace Mann Junior High School, the Art Deco building was designed by San Antonio architects Atlee B. Ayres and Robert M. Ayres. The 1935 building was constructed by contractor King B. Key as a federal public works project (# 8372). The existing campus is comprised of the original two story classroom building (Resource 1A) with a connecting auditorium, library, and cafeteria. Several additions were built throughout the twentieth century including a 1965 east wing (1B), a 1956 gymnasium (1C), a 1972 west wing (1D), a 1972 cafeteria expansion (1E), and a 2000 west wing expansion with pedestrian canopy (1F-G). Four outbuildings were also built: a 1972 locker room (Resource 2), a 1972 gymnasium (Resource 3), a 2000 music building and pedestrian canopy (Resources 5A-B), and a c. 2000s mechanical building and yard (Resource 6). Note: A resource site plan is available at the end of this document.

Bond 2020-Proposition A (\$50,560,351) calls for the creation of a modernized secondary school serving grades 6 through 12 at the YWLA campus. The new campus will accommodate an enrollment up to 750 students and is expected to be 150,000 gross square feet. Plans call for a combination of LEED-certified renovation/historic overhaul and new construction, outdoor learning and activity areas, playfields, and additional site improvements.



Survey Map of the YWLA

Historic Preservation with CMEC-Stantec

In November 2021, Kirksey contracted CMEC as a subconsultant to ensure proper facilitation of City of San Antonio (COSA) Office of Historic Preservation (OHP) approvals and regulations for the project. CMEC-Stantec has completed several site visits to ensure appropriate documentation and coordination with OHP, SAISD, and Kirksey Architecture.

A timeline of events is detailed below:

November 22, 2021	Fieldwork of the school campus with two CMEC-Stantec Architectural Historians
December 8, 2021	CMEC-Stantec completes a desktop review of archaeological sites, and submits letter to the Texas Historical Commission (THC) for archaeological concurrence
December 13, 2021	Meeting with OHP, SAISD, CMEC-Stantec, and Kirksey Architecture
December 15, 2021	Submission of Historic Assessment Request to OHP
January 13, 2022	THC responds to CMEC-Stantec concurring the need for an archaeological survey on the west side of the property prior to construction
January 21, 2022	Site visit with OHP, SAISD, CMEC-Stantec, and Kirksey Architecture OHP completion of Historic Assessment and Window Condition Inspection
January 28, 2022	Submission of COA to OHP for Conceptual Approval
February 16, 2022	Targeted HDRC Meeting for Conceptual Approval COA

Description of Requests

This COA request is for conceptual approval of the proposed YWLA design plan. Specific description of requests (as indicated on the OHP website) are specified on the following pages. Pertinent requests include the following items:

Requests	Relevant Documentation	Page
1. ADA Improvements/Modifications	Attachment 4: Demolition Plan, Elevations, Floorplans, and Renderings	5
2. Additions	Attachment 4: Demolition Plan, Elevations, Floorplans, and Renderings	5
3. Exterior Lighting	Attachment 5: Materials List	6
4. Landscaping/Hardscaping	Attachment 3: Site and Landscape Plan	6
5. Non-contributing demolition	Attachment 4: Demolition Plan, Elevations, Floorplans, and Renderings	9
6. Window replacement/fenestration changes	Attachment 6: Window and Door Schedule	9

1. ADA Improvements/Modifications

Kirksey proposes ADA (Americans with Disabilities Act) improvements to several areas of the campus. Key areas where these modifications will take place are detailed below:

- Entry Plaza: A new ramp is proposed at the entrance on Huisache Avenue which will slightly alter the 1930s retaining wall (see #4 Landscape/Hardscape).
- Rear Access: A new ramp will be added in place of the west breezeway in the central courtyard. This ramp will provide access to the north parking lot and the new bus loading area in between the kitchen and new library wing.
- Auditorium: Although an interior space, the 1935 Auditorium will be reconfigured to accommodate ADA standards. The current slope of the space is at too steep of a grade for ADA compliance, necessitating the removal of the original metal and wood seating rows. Additional modifications in the auditorium include the replacement of the double doors to the east courtyard. (see #6 Window Replacement)
- Additional Grading Changes: The new addition on the west side of the campus will include grading changes on sidewalks and patio areas to accommodate ADA access.

2. Additions

Kirksey proposes 3 additions to the original building. Each addition will have a Contemporary style that will pleasingly contrast with the original building. Connectors A and C will be completely new additions, whereas Connector B will replace the existing 1972 West Wing addition. The additions are:

- Northwest Wing built in the library's current location joined to the original building by a second-story elevated connector.
- West Wing replacement building in place of the 1972 West Wing. A second-story elevated connector to the new west wing will be built in place of the current one.
- Northeast Wing in place of the existing covered walkway to the Music Room. A two-story connector will be built joining the existing Music Building.

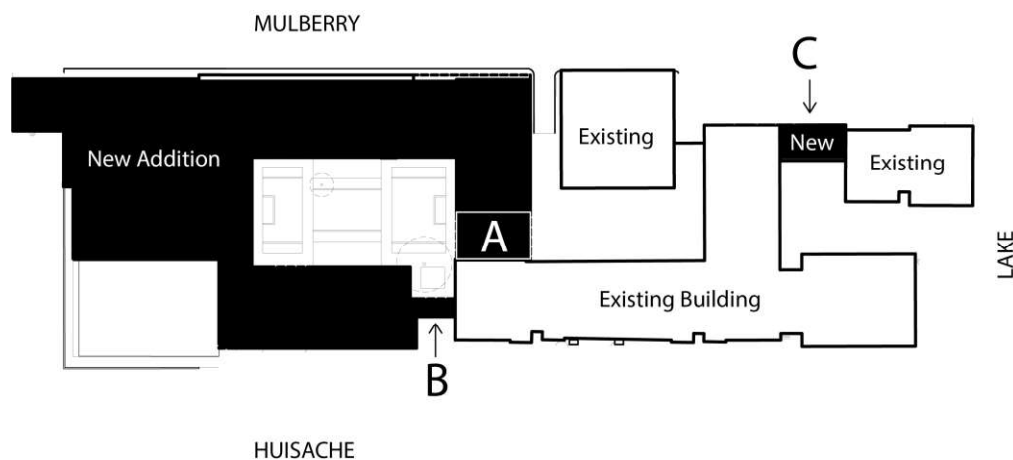
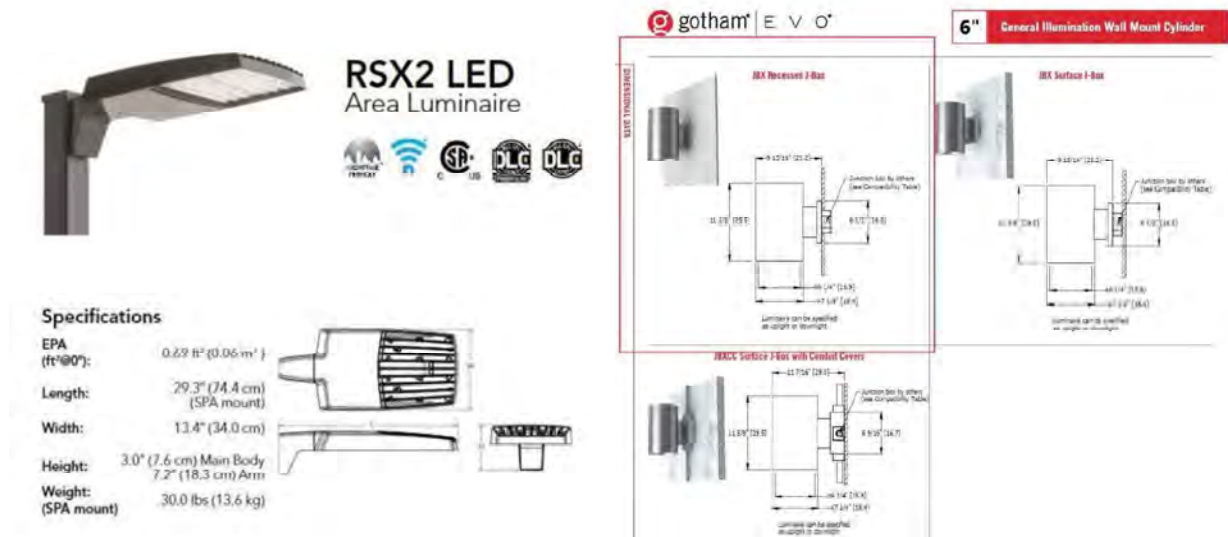


Diagram showing the new connections between the existing building and new addition

3. Exterior Lighting

Kirksey plans to incorporate exterior lighting throughout the campus, where appropriate. Specifically, Kirksey proposes to use RSX2 LED Area Luminaire units for standalone lighting posts, and Gotham EVO JBX wall mount lighting for wall sconces.



Proposed standalone lighting

Proposed wall sconces

4. Landscaping/Hardscaping (from Coleman and Associates)

The goal of the landscape design for this site is to reimagine and create a safe, comfortable, and enjoyable campus for students, teachers, and community members visiting the site. The landscape throughout the campus shall meet all local codes and ordinances such as parking lot screening with shrubs and trees, street yard planting, buffering of utilities, and dumpster enclosures. In addition, all proposed landscape elements will incorporate all standard design requirements as outlined in the SAISD Design Guidelines. All outdoor spaces throughout the campus seek to be comfortable gathering spaces for students and staff to come together and enjoy the outdoor spaces.

The Overall Landscape plan (at 1" = 40'-0" scale) shows the extents of the property and the new outdoor spaces. New courtyards are spread throughout the campus, such as the Fine Arts courtyard (located on the eastern side of the site near Lake Boulevard); dining and outdoor classroom courtyards (located in the center of the site surrounded by existing buildings); and a new sports field (located to the west of the new campus additions). At the main entry of the campus along W. Huisache Avenue, there will be a new entry to welcome parents, students, and visitors to the campus. Under the group of existing trees in between the new Entry Plaza and the West Entrance, a large mulch area will provide room for students to gather around picnic tables. The area to the west of the car drop-off will enable students to have a hands-on experience with nature at the raised garden beds. On the northern edge of the site, parking will remain along W. Mulberry Avenue and continue to

extend towards Kampmann Boulevard. Fencing will be added along the western and southern edges of the site around the new sports field, raised garden beds, and the mulch area under the existing tree canopy. Additionally, the Fine Arts courtyard will also be fenced along Lake Boulevard. Pedestrian and maintenance gates are to be provided at key locations.



Rendering of the overall landscape plan

ENTRY PLAZA

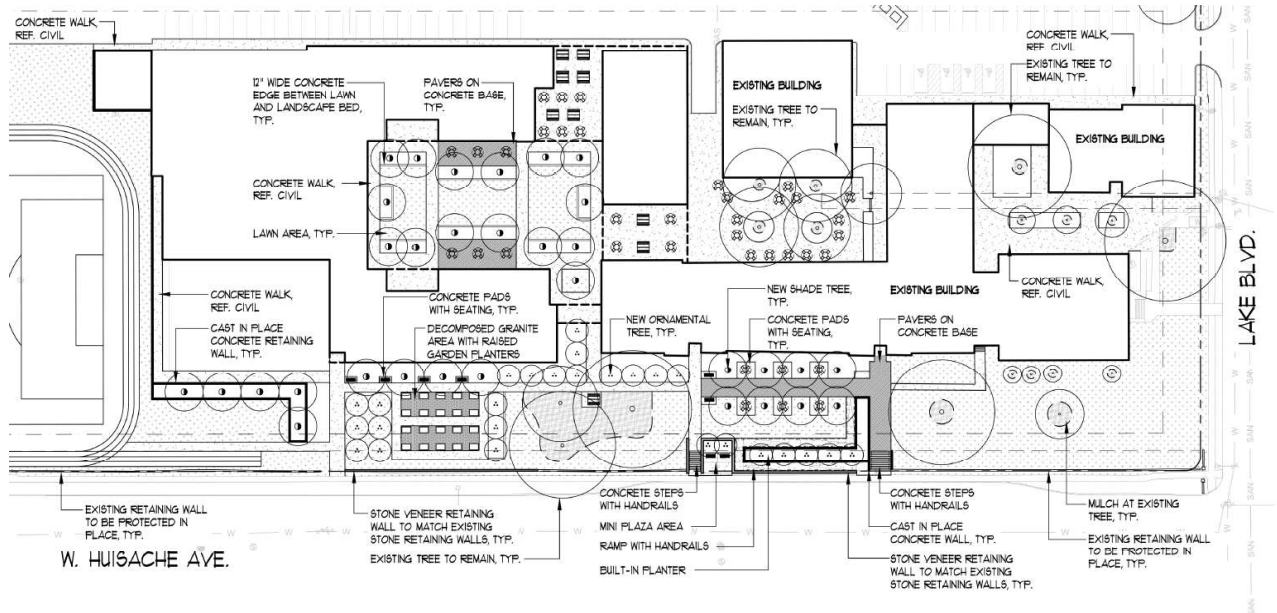
The Entry Plaza is located at the main entrance of the school along W. Huisache Avenue. As you enter the plaza from W. Huisache Avenue, there will be a new switch back ramp with retaining walls and built-in planter to allow for visual interest while providing accessibility to the main building entrance. As noted on the plan, a portion of the existing retaining wall will be removed to provide this accessible pathway to the main building entrance. The "Upper Quad Plaza" will provide seating nodes along the sidewalk that connects the primary and secondary entrances of the school. These seating nodes will contain tables and chairs for students to gather in small groups. On either end of the connecting sidewalk, seat walls with a stone veneer will match the new campus additions.

Along the existing sidewalk at the back of curb, a new mini-plaza with built in seating, consisting of cast in place concrete retaining wall. The mini-plaza will also contain landscape and a seating area for students to wait to be picked up. Furniture throughout the "Upper Quad Plaza" will consist of surface mounted furniture such as tables and benches. Shrub planting with new 65-gallon trees will flank either side of the "Upper Quad Plaza" and provide visual interest as well as shade to create a sense of respite in the plaza. Paving throughout the "Upper Quad Plaza" and the Entry Plaza will be composed of pavers with a reinforced concrete base. The pavers shall be Pavestone pavers, or an equivalent alternate. An alternate to using pavers is a concrete sidewalk with a medium broom finish.

AREA TO WEST OF MAIN ENTRY

The area located along W. Huisache Avenue, west of the Main and Secondary entry has been updated to have a more formal garden area. Sidewalk have been provided around the perimeter of the gardens to allow accessibility to each of the raised garden beds. A portion of the existing retaining wall is being

proposed to be removed and replaced to match the existing stone due to safety concerns. The large existing trees adjacent to the proposed garden area will remain and be mulched to provided protection and nutrients to the tree's roots. This will allow for outdoor seating underneath the existing trees for students waiting to be picked up from school or gather for outdoor classes. Shrub planting with new 65-gallon trees against the building face to provide shade to seating areas. The paving will be composed concrete sidewalk with a medium broom finish.



Detailed view of landscape plan surrounding the building

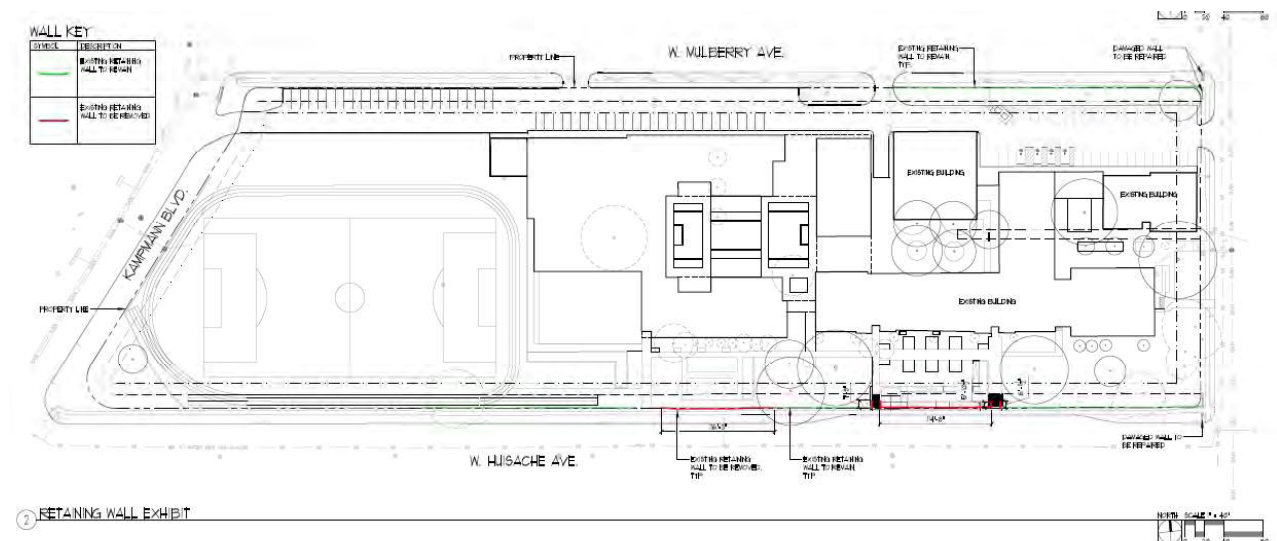
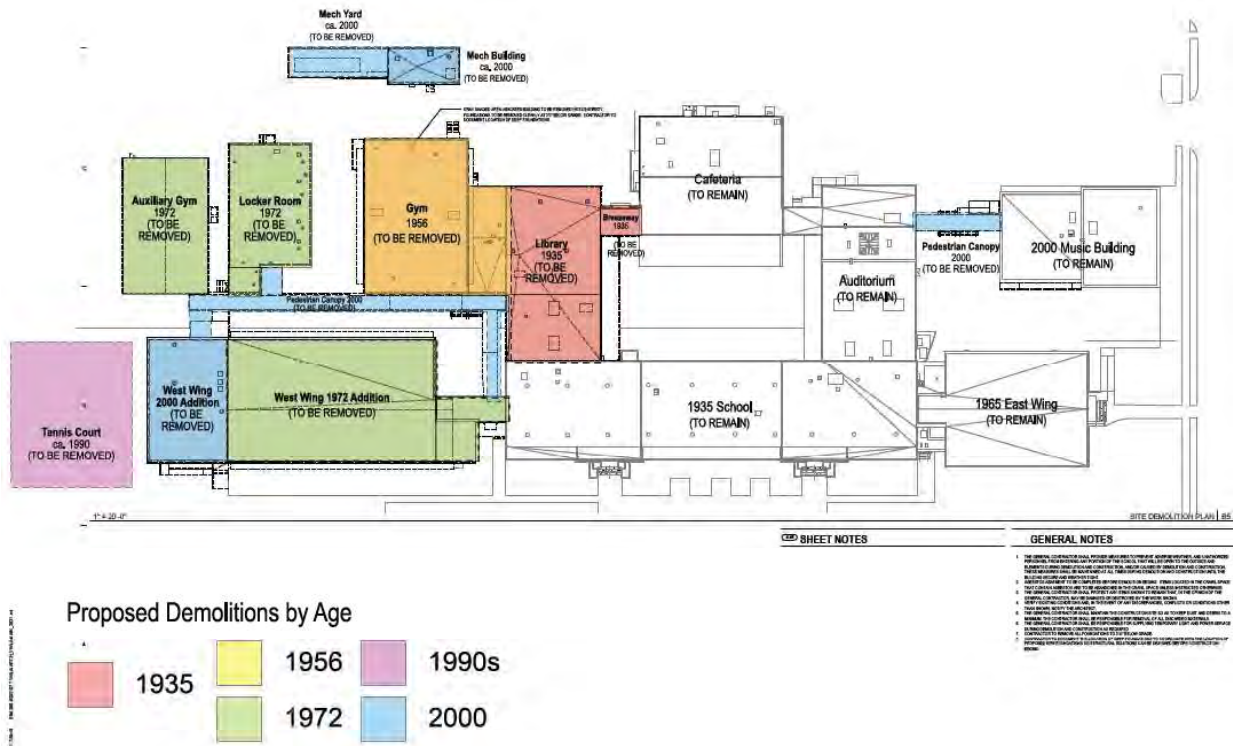


Exhibit showing areas where the ca. 1935 retaining wall is to remain (in green) and be removed (in red)

5. Non-Contributing Demolition

Kirksey proposes to demolish the library and breezeway in the original 1935 building to create space for the new west building and courtyard passageway (shown in red below). The 1935 west breezeway will be removed to provide access to a new parking space that will be designated for school buses, as well as ADA access to the rear parking lot. In addition to the northwest portion of the original building, the 1956 Gymnasium, 1972 Locker Room, 1972 Auxiliary Gym, 1972 West Wing, 2000 West Wing Addition, 2000 Pedestrian Canopy, and ca. 2000 Mechanical Yard are slated for demolition to provide space for the new building. The c. 1990s Tennis Court and Baseball Diamond will also be removed.



6. Window Replacement/Fenestration Changes

Kirksey proposes to replace some doors and windows with Pella® Architect Series® Traditional Wood & Clad/Wood products. Specific areas are summarized below and are keyed in Attachment 6a Window and Door Schedule, and replacement documentation can be found in Attachment 6b Window and Door Replacement Model.

Additional information about the proposed replacements can be found at <https://www.pella.com/shop/doors/patio-doors/architect-series/traditional/commercial-entrance-doors/#designoptions>.



Rendering of the Pella Architect Series Traditional Wood Commercial Doors (left) and French Doors (right)

WINDOWS AND DOORS TO BE REPLACED

- East Wing Windows (71): All aluminum windows to be replaced with Pella clad wood windows to match the existing light pane arrangement. The infilled storefront of the east entrance will be replaced with new glass.
- Selective Replacement of Altered Original Windows (8): Kirksey proposes to only replace windows on the 1935 building that have been altered to accommodate air conditioning units and ventilation.
- East Wing Door (1): The metal door and transom to the north courtyard would be replaced.
- Music Building Doors (2): Two metal doors would be replaced with new hollow metal doors on the south façade of the Music Building.
- Auditorium East Double Door (1): The wooden double door to the east courtyard would be replaced for ADA access.
- Central Courtyard West Access Door (1): The metal door and transom to the central courtyard from the 1935 building will be replaced with a new door and transom to accommodate the new design from the removed library wing.
- Kitchen Singular Service Door (1): The wood door is beyond repair and would be replaced.
- Kitchen Double Service Door (1): The wood door would be replaced to accommodate current standards.

WINDOWS/FENESTRATION TO BE REMOVED ENTIRELY

Besides the areas proposed to be demolished, existing windows and fenestration will be removed in the following areas where new construction is expected to take place:

- Auditorium, east façade (3): A band (3) of Hopper wood windows and one 4/4 single-hung wood window will be removed because of the new connector to the Music Building.
- Auditorium, north façade (2): A pairing (2) of 4/4 single-hung wood windows will be removed to accommodate a new service door to the scene shop.
- Auditorium, roof (1): The skylight will be removed and replaced with ventilation for the space.
- Main building, north façade (12): On the second story, four bands of 4/4 single-hung wood windows would be removed for the new connector being built to the new library wing.

Photographic Documentation

Photographic documentation of the site consisted of general site photos listed below, as well as a Historic Resources Survey. During the survey, Architectural Historians developed historic survey inventory forms for each section of the building. Although the survey forms include photographs of each section, additional photos and other architectural details were captured in an ArcGIS Story Map (link below). A 360° view of the proposed school can be viewed using the Enscape Web link below.

ArcGIS Story Map Includes a site tour of the Historic Resources Survey, historical aerial photographs, and maps of the school.	https://storymaps.arcgis.com/stories/ff7902a061a944459f2d85fa3b1a2f43
Virtual Tour Includes a site tour of the Historic Resources Survey, historical aerial photographs, and maps of the school.	Enscape Web (enscape3d.com)

List of General Photographs

1. View facing north from Huisache Avenue.
2. View facing northeast from Huisache Avenue and Lake Boulevard.
3. View facing northeast from Lake Boulevard.
4. View facing southwest from Lake Boulevard and Mulberry Avenue.
5. View facing southwest from Mulberry Avenue.
6. View facing southeast from Mulberry Avenue.
7. View facing east from Kampmann Boulevard.
8. View facing northeast; view of the 2000 and 1972 additions from Huisache Avenue.
9. View facing northeast; view of the 2000 and 1972 additions from Huisache Avenue.

Exterior Finish Narrative – SAISD Young Women's Leadership Academy



The building design on the exterior perimeter façade is reflective of the original art deco design. The new addition located on the west half of the campus will be designed to echo the proportions and rhythms of the vertical art deco lines, and utilize a stucco finish and color that matches the historic building façade. The interior courtyard will provide a distinct contrast to celebrate the 21st century learning and innovation happening inside the walls and within the courtyard. A rhythm of vertical window and wall will create a façade that progresses around the courtyard and the play of materials and transparency, vertical fiber cement panels and glazing and perforated metal mesh panels will reflect the ideas of progression, procession, transition and traditions that describe the experience of the students during their lives at the school. Breezeways, cut-outs, bridges and overhangs are architectural elements that are incorporated to ensure that comfortable outdoor spaces are provided, allowing airflow in the courtyard and providing shade.

Exterior Materials

Nichiha Tuffblock Pewter

Nichiha Tuffblock Bamboo

Nichiha Miraia Glacier

Nichiha Architectural Block Tuscan

Glass and Aluminum Storefront

Aluminum Curtainwall

Wood-Clad Aluminum Windows

Architectural Metal Siding / Composite Metal Panels


Metal Panel Soffit

Exterior Metal Lath and Stucco System

Cement Plaster Soffits

Hollow Metal Doors and Frames at Service Entrances

Exterior Lighting

	Project 20-36428-9 NORTHEAST MIDDLE SCHOOL Submitted By SPECTRUM LIGHTING INC AUSTIN	Catalog Number RSX2 LED P3 50K R3 MVOLT RPA NLTAIR2 PIRHN DDBXD Notes 265613 LIGHTING POLES AND STANDARDS	Type SA1
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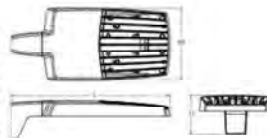


RSX2 LED Area Luminaire



Specifications

EPA (ft²@0°):	0.69 ft² (0.06 m²)
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight: (SPA mount)	30.0 lbs (13.6 kg)



Catalog Number	
Year	
Type	

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED	P3	50K	R3	MVOLT	RPA
Series	Performance Package	Color Temperature	Micro/Outline	Voltage	Mounting
RSX2 LED	P1 P2 P3 P4 P5 P6	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide R5S Type 5 Short AIR Automotive I road flow AIR90 Automotive I road flow Right Rotated AIR90 Automotive I road flow Left Rotated	MVOLT (120V-277V) ¹ HVOLT (347V-480V) ¹ XVOLT (277V-480V) ¹ (use specific voltage for options as noted) 120 ¹ 277 ¹ 208 ¹ 347 ¹ 240 ¹ 480 ¹	SPA Square pole mounting (1.0" min. S2 pole for 1 at 90°, 3.5" min. S2 pole for 2, 3, 4 at 90°) RPA Round pole mounting (1.7" min. dia. S20 pole for 2, 3, 4 at 90°, 1.0" min. dia. S80 pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2, 3/8" OD horizontal mount) IS Adjustable slipfitter (fits 2, 3/8" OD round) WBA Wall bracket ¹ WBAV Wall bracket with surface conduit box AASP Adjustable 90° arm square pole mounting ¹ AARP Adjustable 90° arm round pole mounting ¹ ABWS Adjustable 90° arm with wall bracket ¹ ABWV Adjustable 90° arm with wall bracket and surface conduit box ¹

NLTAIR2 PIRHN

DDBXD

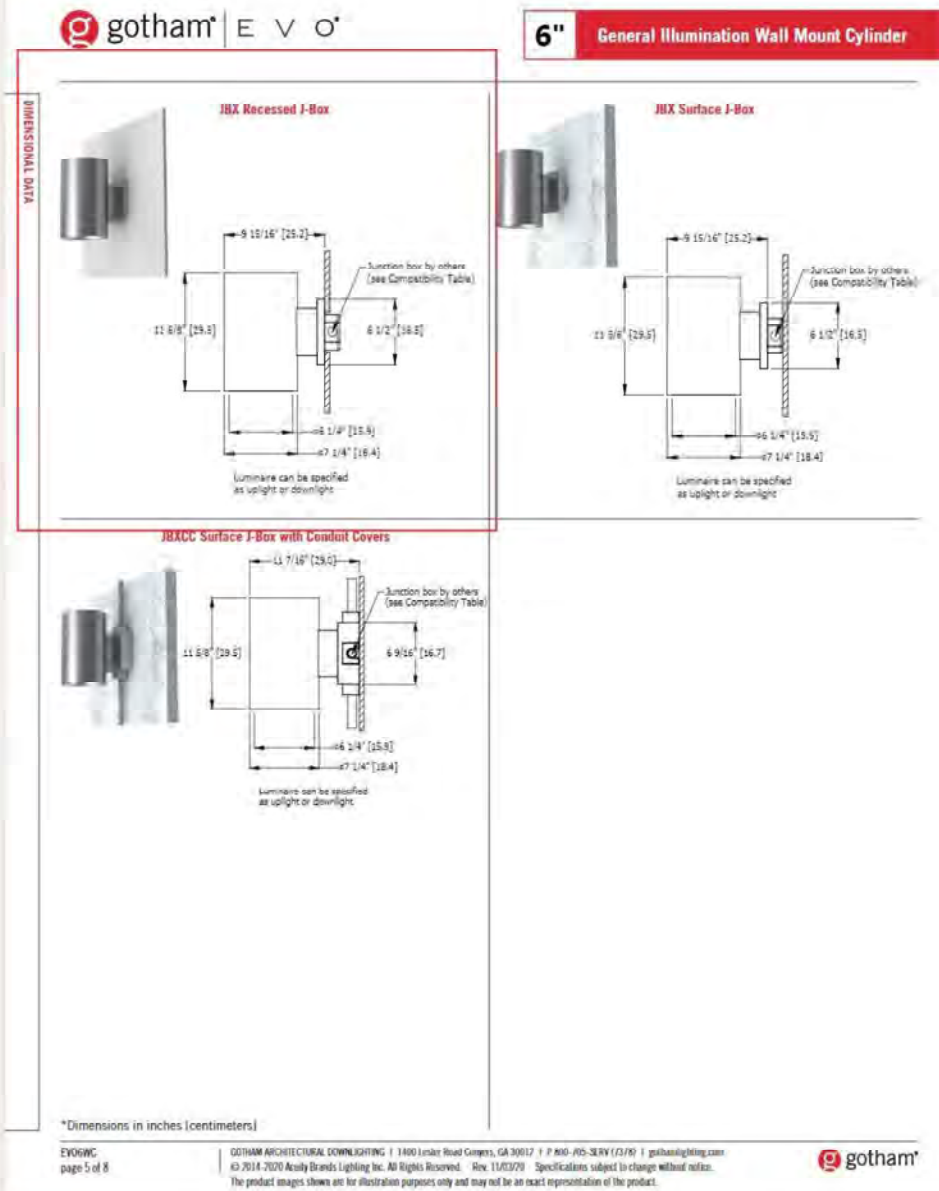
Options	Field Kit
Shipped Installed HS House side shield ¹ PE Photocell, button style ^{1,2} PER Photocell external threaded, adjustable ^{1,3} PER7 Seven wire twist lock overcable only (no conduit) ^{1,4,5} CE34 Conduit entry 3/4" NPT (3/4") SF Single fuse (120, 277, 347) ¹ DF Double fuse (208, 240, 480) ¹ SPD30KV 30KV Surge pack (10KV standard) LAO Field adjustable output ^{1,2} DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ^{1,2} DS Dual switching ^{1,3}	Shipped Installed *Standalone and Networked Sensors/Controls (factory default settings, see table page 9) NLTAIR2 n-light AIB generation 2 ^{1,2,3,6} PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) ^{1,4,5} *Note: PIRHN with n-light AIB can be used as a standalone dimming sensor with out of box settings or as a wireless, networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted. Shipped Separately (requires some field assembly) EGS External glare shield ¹ EGV External glare-hill view (160° angled light aperture) ¹ RS Road spikes ^{1,3}
	DDBXD Dark Bronze DDBXD Black DDBXD Natural Aluminum DDBXD White DDBXD Oxidized Dark Bronze DDBXD Oxidized Black DDBXD Oxidized Natural Aluminum DDBXD Oxidized White



One Lithonia Way • Conners, Georgia 30012 • Phone: 800.705.7378 • www.lithonia-lighting.com
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Lithonia RSX2 Area LED
 Rev. 11/09/10
 Page 1 of 9

Exterior Lighting contin.





COX | McLAIN
Environmental Consulting

now



Stantec

Memo

To:	Rachel Rettaliata	From:	Mitch Ford
	San Antonio Office of Historic Preservation (OHP)		Cox McLain Environmental Consulting, Inc. – now Stantec
File:	Updated window schedule	Date:	10 March 2022

Reference: Young Women's Leadership Academy (YWLA) (Horace Mann Junior High School) updated window schedule and supplemental documentation, 3/16/22 HDRC

Dear Ms. Rettaliata,

This memorandum serves as an update to the previous submission to OHP regarding the Certificate of Appropriateness application for conceptual approval for YWLA in the Monticello Park Local Historic District. The application is scheduled for the March 16th Historic Design Review Commission (HDRC) meeting.

The San Antonio Independent School District (SAISD) has modified their request to include **complete replacement of all windows and doors** on the historic ca. 1935 sections of the building. This includes the main volume, the auditorium, kitchen, and 1972 cafeteria addition. Enclosed is an updated documentation for the building's window schedule, which includes a keyed floorplan of replacement areas, drawings of each window and door type, and a photographic key with updated photos taken during the Design Review Committee's site visit on March 9th, 2022.

In addition to the updated window schedule, I have also included a supplemental document with photos of the areas proposed for demolition: the library wing and the west breezeway. Per the OHP's Historic Assessment, no documentation of the non-contributing areas has been included in this package, besides the initial historic resources survey of all property resources completed in November 2021. The supplemental document also includes photos of the planar surfaces that would interact with the original 1935 building. This includes the west wing (P1), the library wing (P2), and the pedestrian canopy connecting the auditorium to the music building (P3). Under the current design, these areas are slated for new construction that would either change the existing fenestration (P1 and P3) or open the original building to the exterior (P2).

Please let me know if you need any additional information or documentation in preparation for the March 16, 2022 HDRC meeting. Thank you in advance for your apt assistance and coordination for this project.

Stantec Consulting Services Inc.

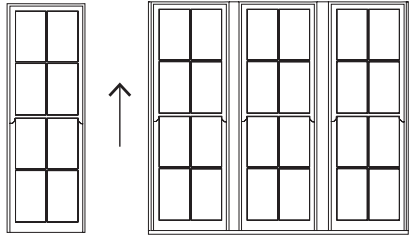
Mitch Ford
Architectural Historian

Phone: 443-743-5634
mitchf@coxmcclain.com

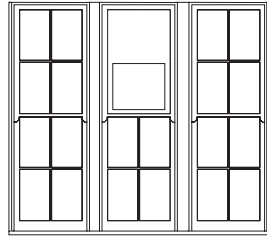
Attachment: YWLA Window Schedule 031022 update, YWLA Supplemental Photos 031022

c. Emily Reed, Stantec Historic Preservation Program Manager | Nkonye Adaikpoh, SAISD Project Manager | Jody Sergi, Kirksey Architecture Vice President | Bill Dwyer, Kirksey Architecture Senior Associate

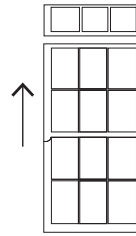
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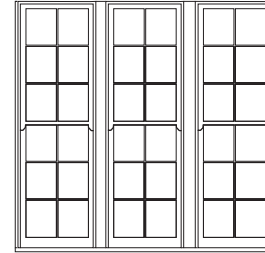
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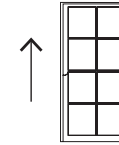
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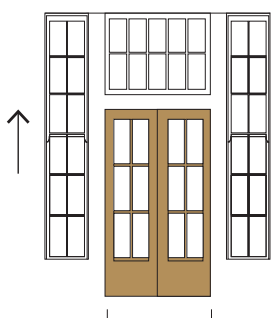


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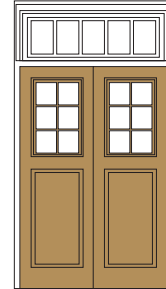
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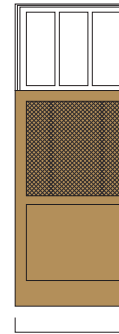


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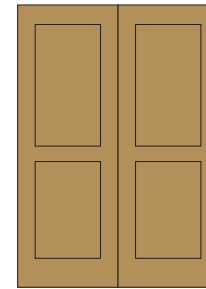
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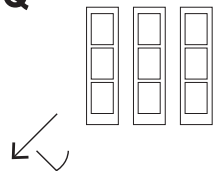


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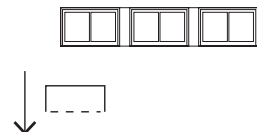
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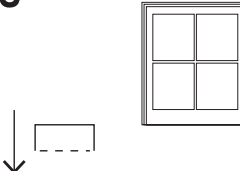
Q



R



S



Schedule of Windows & Doors

Project:
San Antonio Independent School District
Young Women's Leadership Academy
2123 W Huisache Avenue
San Antonio, TX 78201

Unit Count:

A	157 (Remain), 17 (Removed)
B	10 (Removed)
C	2 (Remain)
D	22 (Remain)
E	1 (Remain)
FGH	1 (Remain), 1 (Removed)
IJK	2 (Remain)
LM	1 (Remain)
NO	1 (Remain), 1 (Removed)
P	1 (Removed)
Q	6 (Remain)
R	3 (Removed)
S	2 (Remain)
T	71 (Removed)
U	3 (Removed)
V	16 (Remain)
W	1 (Removed)
XY	1 (Remain), 1 (Removed)
ZA	1 (Removed)
ZZA	1 (Removed)
ZB	1 (Remain)
ZC	2 (Removed)



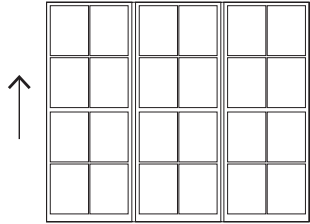
Unit



Unit

No scale

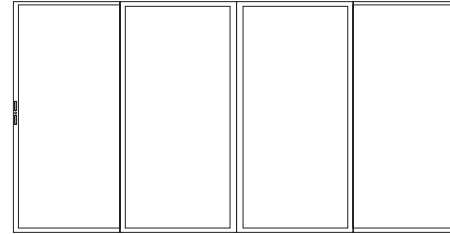
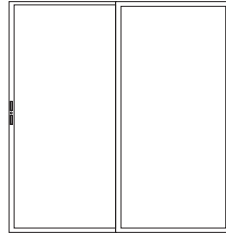
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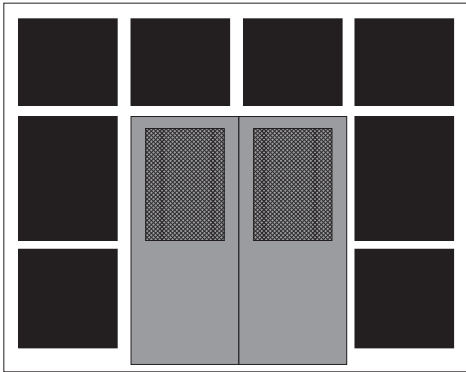
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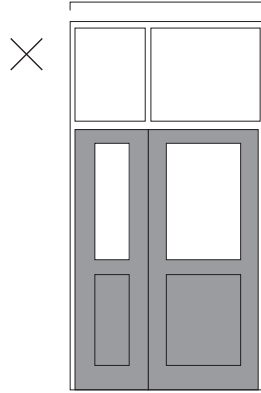
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W

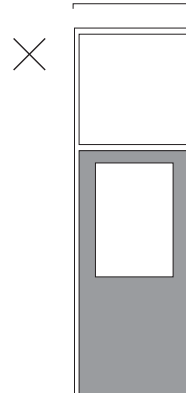


X



Y

Z



ZA

ZB



ZC



Schedule of Windows & Doors

Project:
San Antonio Independent School District
Young Women's Leadership Academy
2123 W Huisache Avenue
San Antonio, TX 78201

Unit Count:

A	157 (Remain), 17 (Removed)
B	10 (Removed)
C	2 (Remain)
D	22 (Remain)
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FGH	1 (Remain), 1 (Removed)
IJK	2 (Remain)
LM	1 (Remain)
NO	1 (Remain), 1 (Removed)
P	1 (Removed)
Q	6 (Remain)
R	3 (Removed)
S	2 (Remain)
T	71 (Removed)
U	3 (Removed)
V	16 (Remain)
W	1 (Removed)
XY	1 (Remain), 1 (Removed)
ZA	1 (Removed)
ZZA	1 (Removed)
ZB	1 (Remain)
ZC	2 (Removed)



Unit



Unit

Schedule of Windows & Doors

Project:
San Antonio Independent School District
Young Women's Leadership Academy
2123 W Huisache Avenue
San Antonio, TX 78201

Cox McLain Environmental Consulting now Stantec
8401 Shoal Creek Blvd #100
Austin, TX 78757

Annotated by:
Mitchell Ford

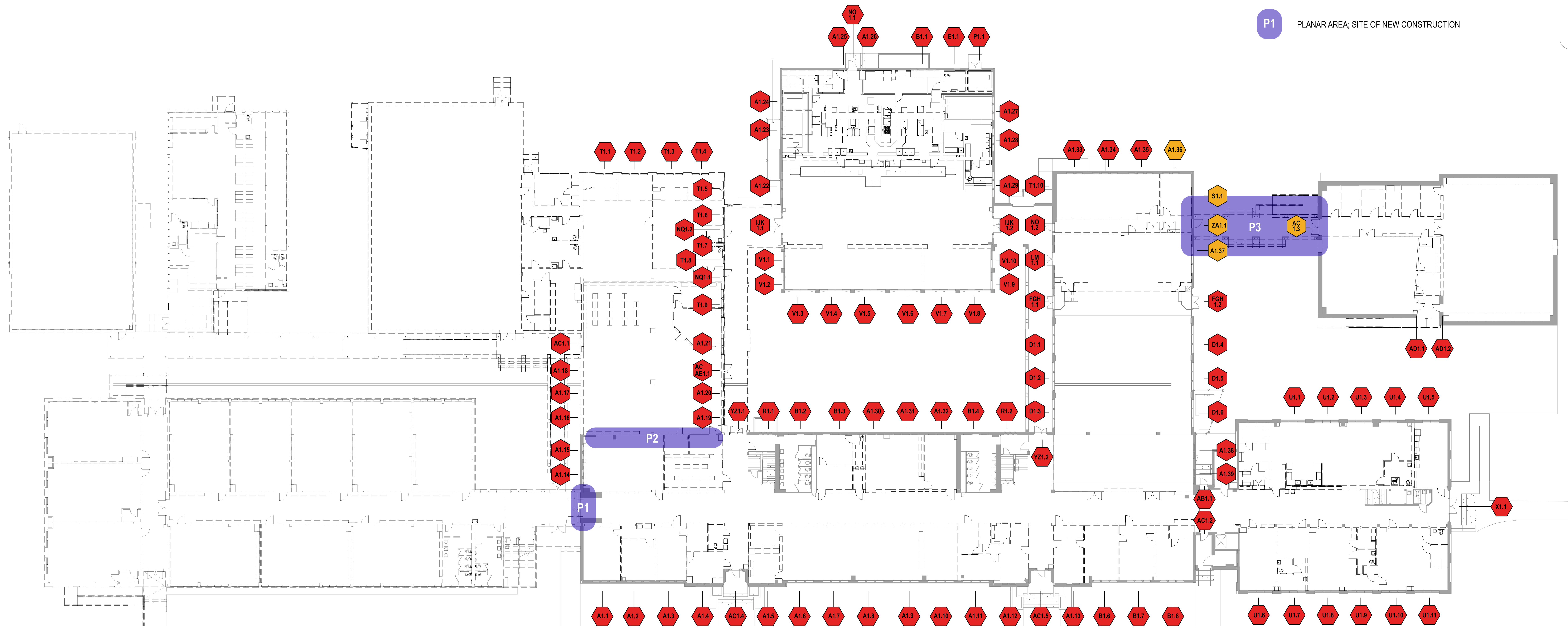
Date:
03/10/2022

FIRST STORY

Original drawing by
Kirksey Architecture

No scale

-  PROPOSED REPLACEMENT
-  TO BE REMOVED; NEW CONSTRUCTION
-  PLANAR AREA; SITE OF NEW CONSTRUCTION



Schedule of Windows & Doors

Project:
San Antonio Independent School District
Young Women's Leadership Academy
2123 W Huisache Avenue
San Antonio, TX 78201

Cox McLain Environmental Consulting now Stantec
8401 Shoal Creek Blvd #100
Austin, TX 78757

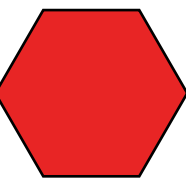
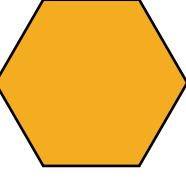

Annotated by:
Mitchell Ford

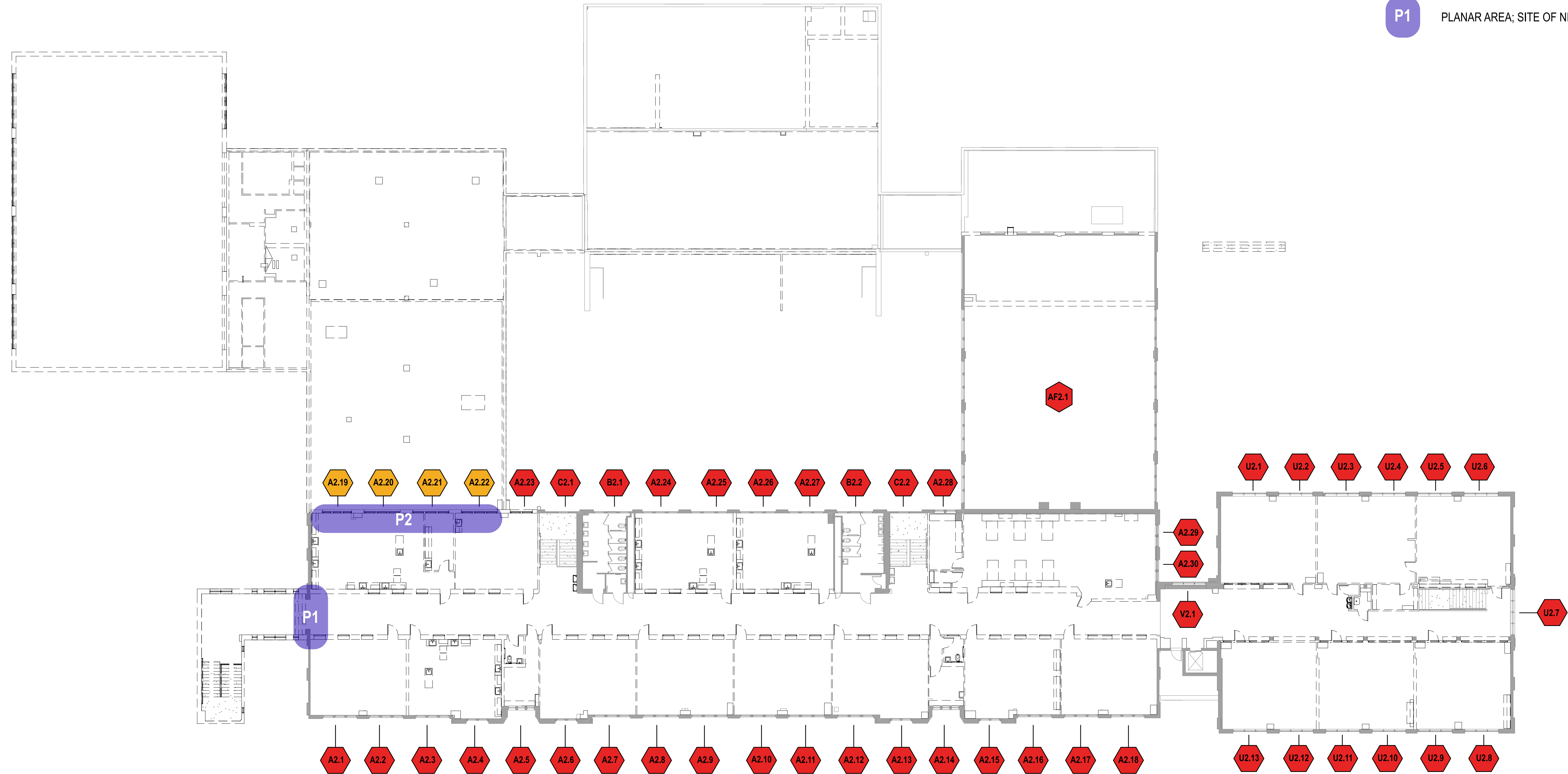
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03/10/2022

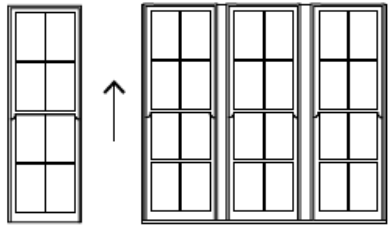
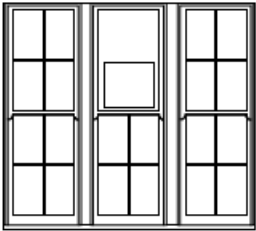
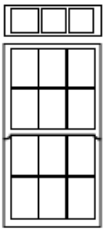
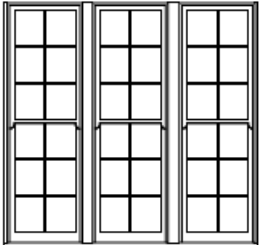
SECOND STORY

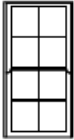
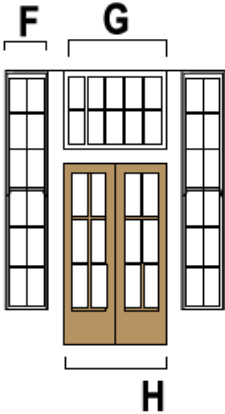
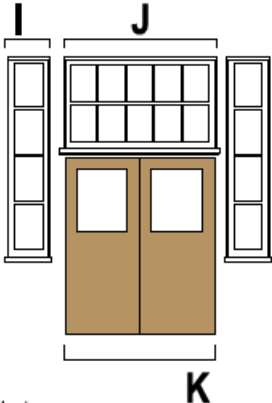
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Kirksey Architecture

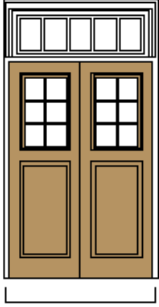
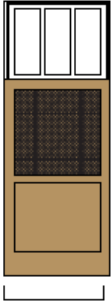
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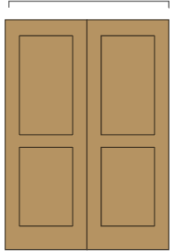
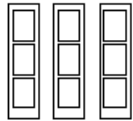

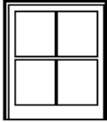
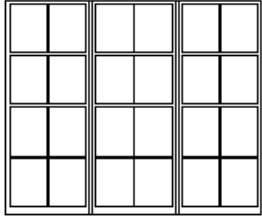
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-  TO BE REMOVED; NEW CONSTRUCTION
-  PLANAR AREA; SITE OF NEW CONSTRUCTION

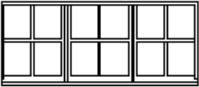
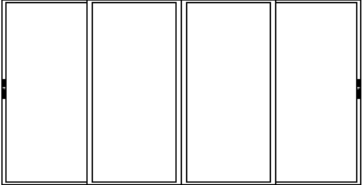
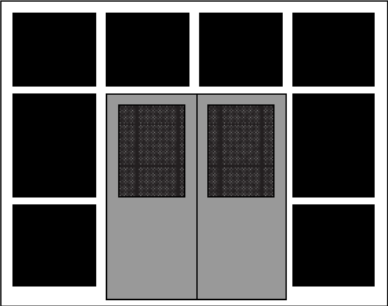
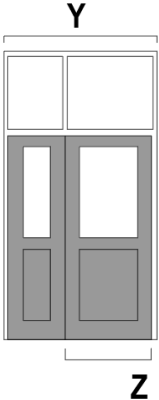


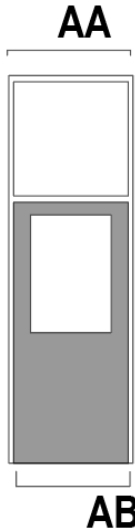
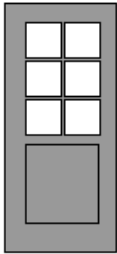

Key	Image/Diagram	Arrangement	Group/Features	Type	Material
A		4/4	Singular and Band	Single Hung	Wood
B		0/4 (4/4 original)	Band (3 units) AC Unit/Vent	Fixed	Wood
C		6/6 (3-3)	Singular 3/0 Transom	Single Hung	Wood
D		6/6 (2-2-2)	Band	Single Hung	Wood

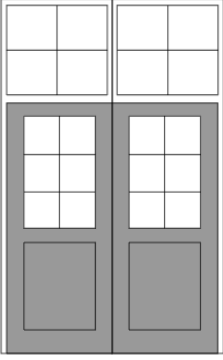
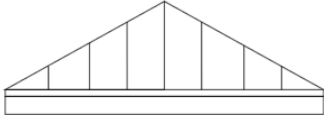
Key	Image/Diagram	Arrangement	Group/Features	Type	Material
E		4/4	Singular	Single Hung	Wood
F G H		6/6 Sidelight 10/0 Transom 6/0 Door	Double door with Transom and Sidelight	Doorway	Wood
I J K		4/0 Sidelight 10/0 Transom 1/0 Door	Double door with Transom and Sidelight	Doorway	Wood

Key	Image/Diagram	Arrangement	Group/Features	Type	Material
L M	<p>L</p>  <p>M</p>	5/0 Transom 6/0 Door	Double Door with Transom	Doorway	Wood
N O	<p>N</p>  <p>O</p>	3/0 Transom 1/0 Door	Single Door with Transom	Doorway	Wood

Key	Image/Diagram	Arrangement	Group/Features	Type	Material
P Q		N/A	Double door	Doorway	Wood
R		3/0	Band	Casement	Wood
S		2/0	Band	Hopper Sash	Wood
T		4/0	Pairing	Hopper Sash	Wood
U		4/4	Band (3)	Single Hung	Metal

Key	Image/Diagram	Arrangement	Group/Features	Type	Material
V		2/2	Band	Single Hung	Metal
W		2/0	Pairing	Slider	Metal
X		1/0	Double door with Sidelight (Infilled)	Doorway	Metal
Y Z		2/0 Transom 1/0 Door	Transom and Sidelight	Doorway	Metal

Key	Image/Diagram	Arrangement	Group/Features	Type	Material
AA AB		1/0 Transom 1/0 Door	Transom over Door	Doorway	Metal
AC		6/0 Door	N/A	Doorway	Metal
AD		Door	N/A	Doorway	Metal

Key	Image/Diagram	Arrangement	Group/Features	Type	Material
AE		8/0 Transom 6/0 Door	N/A	Doorway	Metal
AF		Pyramidal skylight	N/A	Skylight	Metal

Key	Image/Diagram
A1.1	

A1.2



A1.3



A1.4



A1.5



A1.6



A1.7



A1.8



A1.9



A1.10



A1.11



A1.12



A1.13



A1.14



A1.15



A1.16



A1.17



A1.18



A1.19



A1.20



A1.21



A1.22



A1.23



A1.24



A1.25



A1.26



A1.27



A1.28



A1.29



A1.30



A1.31



A1.32



A1.33



A1.34



A1.35



A1.36



A1.37



A1.38



A1.39



A2.1



A2.2



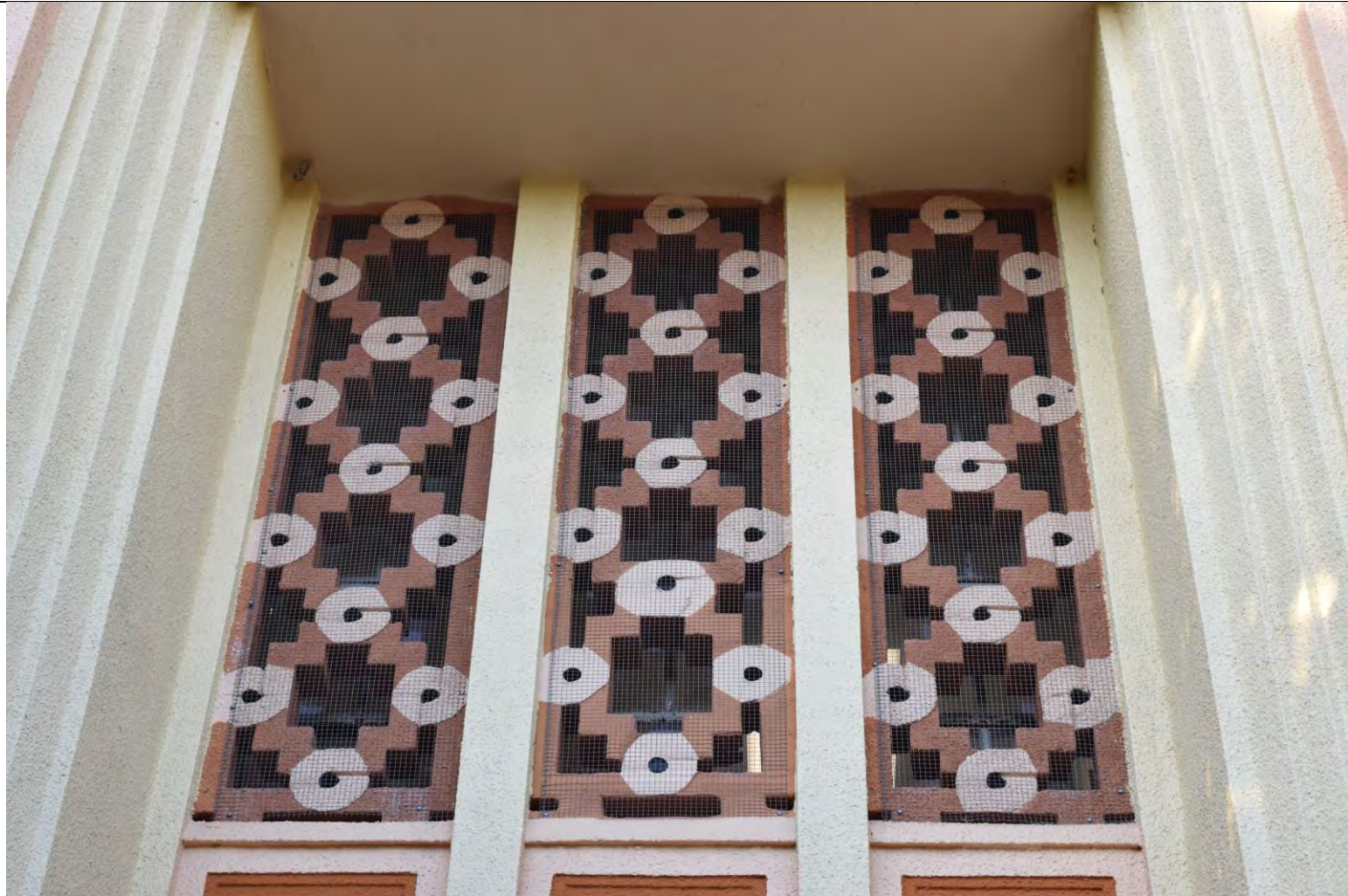
A2.3



A2.4



A2.5



A2.6



A2.7



A2.8



A2.9



A2.10



A2.11



A2.12



A2.13



A2.14



A2.15



A2.16



A2.17



A2.18



A2.19



A2.20



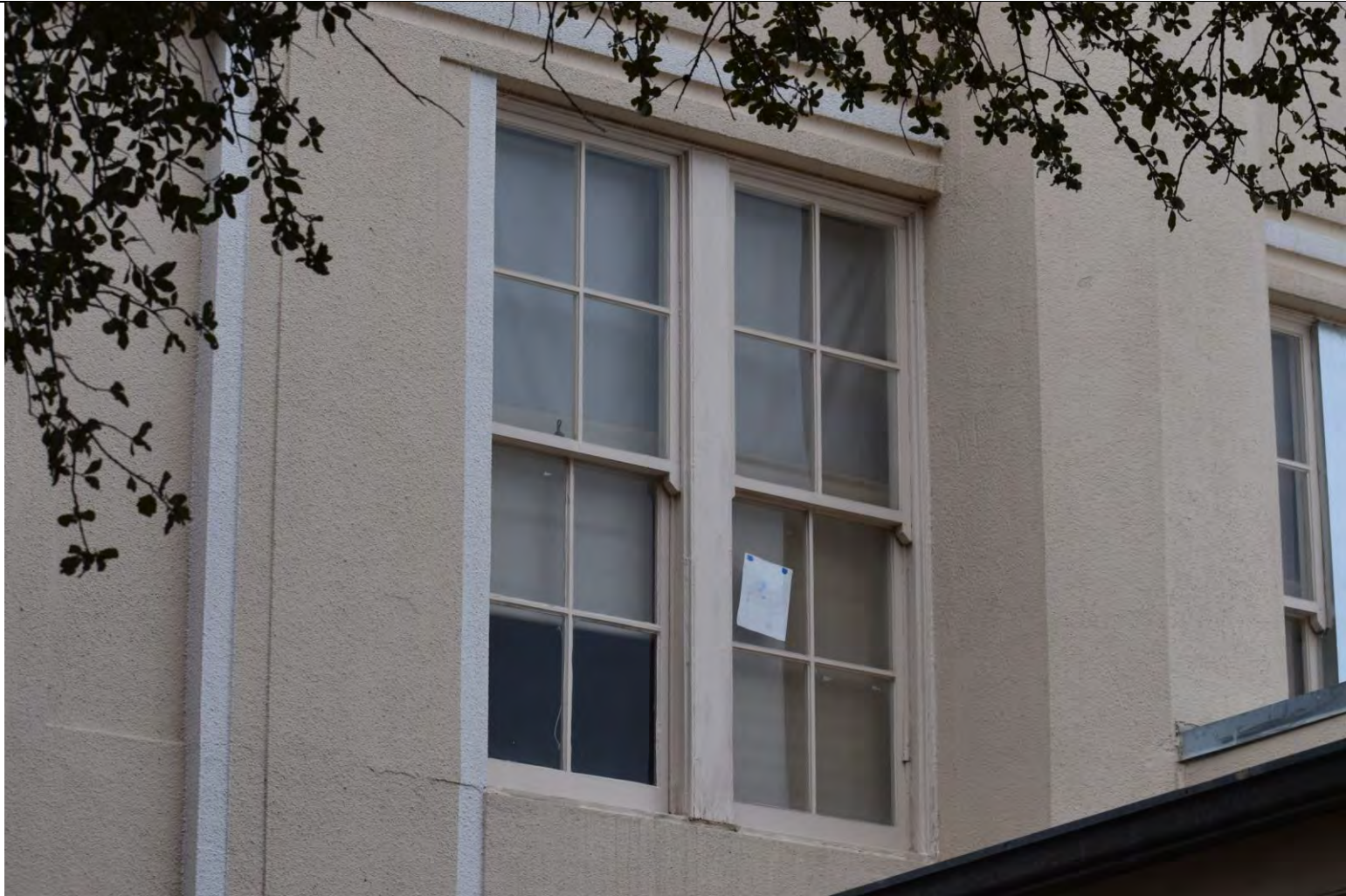
A2.21



A2.22



A2.23



A2.24



A2.25



A2.26



A2.27



A2.28



A2.29



A2.30	
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B1.1



B1.2



B1.3		
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B1.4		
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B1.5		
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B1.6	 A photograph of a window unit on a building facade. The unit consists of three vertical panes. The central pane is replaced by a white air conditioning unit. The two side panes are multi-paned windows with white frames. The building has a light-colored stucco finish with vertical decorative lines in a darker shade.	
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B1.7	 A photograph of a building's exterior facade. The building has a light-colored, textured stucco finish. A central window unit is visible, featuring a white frame and a dark, rectangular air conditioning unit mounted on the wall above it. To the left of the window unit is a small, square, illuminated light fixture. The window unit itself is divided into several panes, some of which are covered with blue curtains. To the right of the window unit, there is a small, dark, rectangular object, possibly a vent or a small window. The building is surrounded by greenery, including a large bush in the foreground on the right side.	
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B1.8



B2.1




B2.2



C2.1



C2.2	
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D1.1



D1.2		
D1.3		

D1.4



D1.5



D1.6



E1.1		
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FGH1.1



FGH1.2






JK1.2




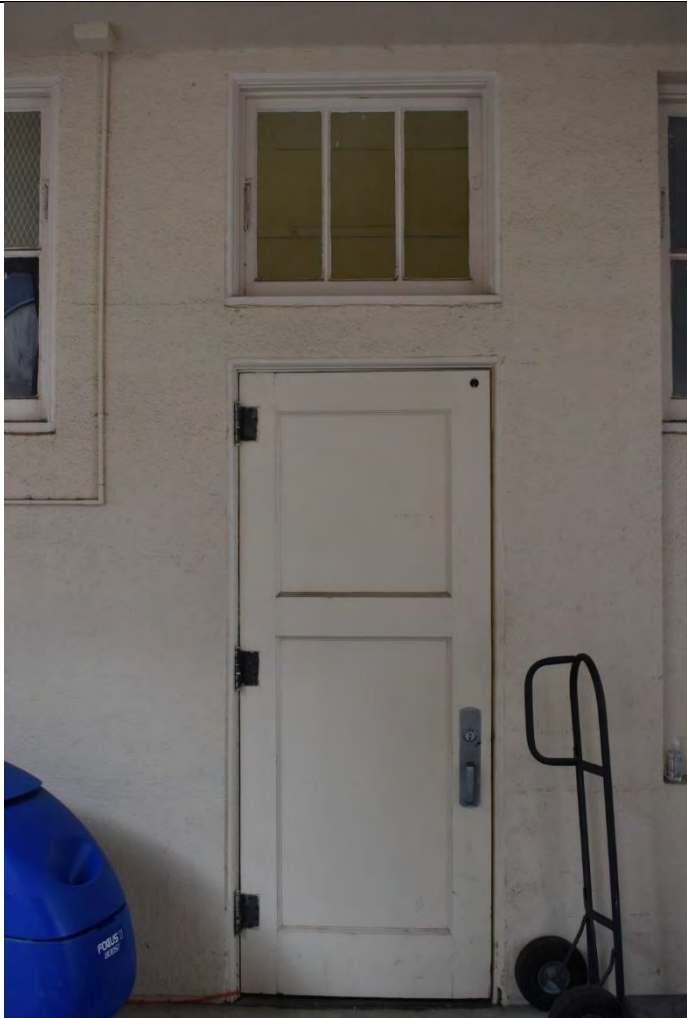
LM1.1	 A photograph of a white double door with transoms and a transom window above. The door is set in a light-colored wall. The transom window above the door has four small panes. The door itself has two large transoms, each divided into four panes. A red fire alarm pull station is mounted on the right door. The door has a silver handle and a lock. The door is slightly ajar.
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NO1.1		
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NO1.2	 A photograph of a white door with a transom window, open to a hallway. The door is slightly ajar, revealing a brightly lit hallway with yellow walls and a tiled floor. A small stone bench is visible to the right of the door. The transom window above the door is divided into four panes and shows a view of the interior space.	
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P1.1	 A photograph of a set of double doors with a 'NO IDLE ZONE' sign. The sign is red and white with a black border. It features a graphic of a car with a red 'X' over it. The text on the sign reads: 'CHILDREN BREATHING', 'NIÑOS RESPIRANDO', 'NO IDLE ZONE', 'TURN YOUR ENGINE OFF', and '¡APAGUE SU MOTOR!'. The doors are light-colored and set in a light-colored wall. A white downspout is visible to the left of the doors.
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NQ1.1	
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NQ1.2		
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R1.1		
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R1.2



S1.1	 A photograph of a building's exterior wall, which has a light-colored, textured stucco finish. A horizontal row of three windows is set into the wall. The windows have white frames and appear to be double-hung. The leftmost window has a dark, possibly black, screen or shutter. The middle window has a dark, possibly black, screen or shutter. The rightmost window has a green, diamond-patterned screen or shutter. Above the windows, centered, is a small, square, orange-colored vent or grille. To the left of the windows, a portion of a dark blue downspout is visible, extending from the roofline down the wall.
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T1.1



T1.2	
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T1.3	
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T1.4



T1.5	
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T1.6	
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T1.7	
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T1.8	
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T1.9	
------	---

T1.10



U1.1	
------	---

U1.2



U1.3



U1.4



U1.5		
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U1.6



U1.7		
------	---	--

U1.8



U1.9	
------	---

U1.10



U1.11



U2.1



U2.2



U2.3



U2.4		
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U2.5



U2.6



U2.7



U2.8



U2.9	
------	---

U2.10



U2.11



U2.12



U2.13



V2.1		
W1.1		

W1.2		
------	--	--

W1.3



W1.4		
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W1.5		
------	--	--

W1.6




W1.7		
------	--	--

W1.8



W1.9



W1.10		
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X1.1



YZ1.1



YZ1.2





AB1.1



AAAB1.
1



AC1.1	 A photograph of a room, likely a library or study area. In the foreground, there are several wooden tables and chairs. In the background, there is a large wooden bookshelf filled with books. To the left of the bookshelf, there is a window with a white frame. On the wall above the bookshelf, there is a clock and some decorative items. The room has a light-colored floor and walls.
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AC1.2	
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AC1.3



AC1.4	 A photograph of a dark brown door with a transom window and side windows, set in a light-colored stucco wall. The door features a central transom window with a six-pane grid and two narrow vertical windows on either side. The door is framed by a dark brown surround, and the wall is a light beige stucco with vertical lines and small rectangular indentations.
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AC1.5



AD1.1	 A photograph showing the exterior of a building. In the foreground, there is a black metal railing with horizontal bars. Behind the railing, a set of concrete steps leads up to a recessed entrance area. A door is visible within this recessed area. The building's walls are a light, textured beige color. A small, square, light-colored object, possibly a light fixture or vent, is mounted on the wall above the door. Some green foliage is visible at the bottom right corner of the image.	
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AD1.2	
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ACAE1.
1



AF2.1



Product Specifications

Window & Patio Door Styles	Min. Width	Min. Height	Max. Width	Max. Height	Performance Class & Grade	Performance Values			Frame / Install
						U-Factor	SHGC	STC	
Awning	13-¾"	13-¾"	59"	59"	LC40-CW50	0.25-0.29	0.18-0.47	27-33	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Awning	17"	17"	53"	29"	R45-CW50	0.28-0.33	0.18-0.47	27-30	Pocket Replacement
Casement	13-¾"	13-¾"	41"	96"	CW30-CW50	0.25-0.29	0.18-0.47	28-33	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Casement	17"	17"	35"	73"	R50-CW50	0.28-0.33	0.18-0.47	27-30	Pocket Replacement
Fixed Casement	10"	10"	144"	144"	CW30-CW50	0.25-0.29	0.18-0.47	28-32	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Fixed Casement	17"	17"	59"	73"	R50-CW50	0.28-0.33	0.18-0.47	27-30	Pocket Replacement
Double-Hung	14"	24-⅝"	54"	96"	CW40-CW50	0.25-0.30	0.19-0.53	26-34	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Double-Hung	13-½"	23-¾"	48"	84"	CW40-CW50	0.25-0.31	0.19-0.53	26-30	Pocket Replacement
In-Swing Hinged Patio Door (Single)	18"	36"	48"	199-½"	LC40-LC55	0.20-0.40	0.14-0.40	–	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
In-Swing Hinged Patio Door (Double)	36"	36"	96"	119-½"	LC40-LC55	0.20-0.40	0.14-0.40	31-35	
Out-Swing Hinged Patio Door (Single)	18"	36"	48"	119-½"	R50-LC70	0.20-0.40	0.14-0.39	30-36	
Out-Swing Hinged Patio Door (Double)	36"	36"	96"	119-½"	R50-LC70	0.20-0.40	0.14-0.39	30-36	
Sliding Patio Door (O)	30-¾"	74"	60-¾"	119-½"	LC25-LC70	0.25-0.40	0.15-0.42	–	
Sliding Patio Door (OX, XO)	59-¼"	74"	119-½"	119-½"	LC25-LC70	0.25-0.40	0.15-0.42	31-35	
Sliding Patio Door (OXO)	90"	74"	180"	119-½"	LC25-LC70	0.25-0.40	0.15-0.42	–	
Sliding Patio Door (OXXO)	116-⅙"	74"	236-⅙"	119-½"	LC25-LC70	0.25-0.40	0.15-0.42	–	For more info visit PellaADM.com
Multi-Slide Patio Door	40-¼"	50-½"	701-⅝"	119-½"	R15-LC25 ³	0.30 - 0.36	0.15 - 0.46	–	
Bifold Patio Door	31-¾"	55-½"	312"	119-½"	R15-R25 ³	0.26-0.44	0.13-0.45	–	

Window sizes available in 1/8" increments
Special sizes available. For more information regarding performance, visit pella.com/performance. For more information regarding frame and installation types, visit PellaADM.com.

Window Hardware

Classic Collection

Get a timeless look with authentic styles in classic finishes.



Fold-away Crank
Antiek



Spoon-Style Lock

Finishes:



Champagne



White



Brown



Matte Black



Oil-Rubbed Bronze



Satin Nickel

Rustic Collection

Create a distinct and charming look with distressed finishes.



Fold-away Crank
Antiek

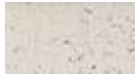


Spoon-Style Lock

Finishes:



Distressed Bronze



Distressed Nickel

Window Hardware

Essential Collection

Select from popular designs and finishes to suit every style.



Fold-away Crank

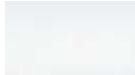


Cam-Action Lock

Finishes:



Champagne



White



Brown



Matte Black



Oil-Rubbed Bronze



Satin Nickel

Patio Door Hardware

Classic Collection

Choose timeless pieces, created in collaboration with Baldwin® Hardware, for a look that will never go out of style.



Hinged & Bifold Patio Door Handle
Virago



Sliding & Multi-Slide Patio Door Handle
Ambrose



Multi-Slide Patio Door Handle^{4,5}

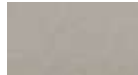
Finishes:



Matte Black



Oil-Rubbed Bronze



Satin Nickel

Rustic Collection

Stand out with bold looks and create an utterly unique aesthetic.



Hinged & Bifold Patio Door Handle
Rustiek

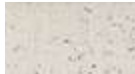


Sliding & Multi-Slide Patio Door Handle
Notus

Finishes:



Distressed Bronze



Distressed Nickel

Essential Collection

Elevate your style and transform a home with elegant selections.



Hinged & Bifold Patio Door Handle



Sliding Patio Door Handle

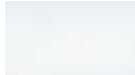


Multi-Slide Patio Door Handle^{4,5}

Finishes:



Champagne



White



Brown



Matte Black



Oil-Rubbed Bronze

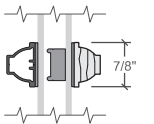


Satin Nickel

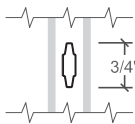
Additional hardware collections available. Visit PellaADM.com for more information.

Grilles

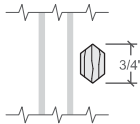
Choose the look of true divided light, roomside removable grilles or make cleaning easier by selecting grilles-between-the-glass.



Ogee Integral Light Technology^{®6}
7/8", 1-1/4" or 2"



Aluminum Grilles-Between-the-Glass
3/4"⁷



Roomside Removable Grilles^{5,8}
3/4", 1-1/4" or 2"

³ See back cover for disclosures.

^{4,5,6,7,8} See back cover for disclosures.

Colors

Wood Types

Choose the wood species that best complements your project's interior.



Pine



Douglas Fir⁸



Mahogany⁸

Custom solutions:



White Oak



Red Oak



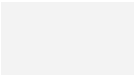
Cherry



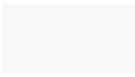
Maple

Prefinished Pine Interior Colors


Custom interior finishes, unfinished or primed and ready-to-paint are also available.




White




Bright White




Linen White




Artisan Greige⁸




Natural Stain




Wheat Stain⁸




Golden Oak Stain




Early American Stain



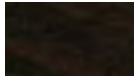
Provincial Stain




Dark Mahogany Stain




Red Mahogany Stain




Espresso Stain



Skyline Gray Stain⁸



Charcoal Stain



Black Stain

Aluminum-Clad Exterior Colors

Our low-maintenance EnduraClad[®] exterior finish resists fading. Take durability one step further with EnduraClad Plus which also resists chalking and corrosion.⁹



Custom colors are also available.



Black




White



Brown



Fossil




Iron Ore



Portobello



Putty



Almond



Classic White



Brick Red



Hartford Green

Added Peace of Mind

Integrated Security Sensors

Integrated wireless security sensors maintain aesthetics, streamline security installation and ensure no warranty loss is caused by post-installation drilling. Sensors can be monitored via the free Pella[®] Insynctive[®] App and are compatible with major security panel systems.¹⁰ For more information, go to connectpella.com.



The Best Limited Lifetime Warranty in the Industry

We know your reputation matters and you stake your reputation on quality, dependable products. That's why we have the best limited lifetime warranty in the industry for wood windows and patio doors.²

¹ Some Pella products may not meet ENERGY STAR[®] guidelines in Canada. For more information, contact your local Pella sales representative or go to energystar.gc.ca.

² Based on comparing written limited warranties of leading national wood window and wood patio door brands. See written limited warranty for details, including exceptions and limitations, at pella.com/warranty.

³ Performance ratings vary based on product configuration.

⁴ Flush multi-slide handle is a Pella exclusive design.

⁵ Flush multi-slide handle is not available in Champagne.

⁶ Color-matched to your product's interior and exterior color.

⁷ Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.

⁸ Availability may be limited. Please contact your local Pella rep for details.

⁹ EnduraClad Plus protective finish is not available with all colors. See your local Pella sales representative for availability.

¹⁰ Requires the Insynctive App on a smart device, an Insynctive Bridge and a wireless home router with internet connection.



Architect Series® Traditional Commercial Out-Swing Door

Glazing Performance - Total Unit - Commercial Out-Swing

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Vent Dual-Pane Glazing - Aluminum-Clad Exterior										N	NC	SC	S	CA	
13/16"	Clear IG	PEL-N-214-01149-00001	3	3	Air	0.40	0.36	0.37	48						
	with grilles-between-the-glass	PEL-N-214-01150-00001				0.40	0.31	0.31	48						
	with integral grilles	PEL-N-214-01151-00001				0.40	0.31	0.31	48						
13/16"	Advanced Low-E IG	PEL-N-214-01265-00001	3	3	Argon	0.30	0.18	0.31	61						
	with grilles-between-the-glass	PEL-N-214-01266-00001				0.30	0.15	0.26	61						
	with integral grilles	PEL-N-214-01267-00001				0.31	0.15	0.26	61						
13/16"	SunDefense™ Low-E IG	PEL-N-214-01169-00001	3	3	Argon	0.30	0.13	0.29	61						
	with grilles-between-the-glass	PEL-N-214-01170-00001				0.30	0.12	0.24	61						
	with integral grilles	PEL-N-214-01171-00001				0.31	0.12	0.24	61						
13/16"	AdvancedComfort Low-E IG	PEL-N-214-01201-00001	3	3	Argon	0.28	0.17	0.31	49						
	with grilles-between-the-glass	PEL-N-214-01202-00001				0.28	0.15	0.26	49						
	with integral grilles	PEL-N-214-01203-00001				0.28	0.15	0.26	49						
13/16"	NaturalSun Low-E IG	PEL-N-214-01233-00001	3	3	Argon	0.31	0.32	0.36	61						
	with grilles-between-the-glass	PEL-N-214-01234-00001				0.31	0.27	0.30	61						
	with integral grilles	PEL-N-214-01235-00001				0.32	0.27	0.30	61						
Tinted Glazing															
13/16"	Bronze Advanced Low-E IG	PEL-N-214-01297-00001	5	3	Argon	0.30	0.16	0.20	61						
	with integral grilles with grilles	PEL-N-214-01298-00001				0.30	0.14	0.17	61						
	with integral grilles	PEL-N-214-01299-00001				0.31	0.14	0.17	61						
13/16"	Gray Advanced Low-E IG	PEL-N-214-01313-00001	5	3	Argon	0.30	0.15	0.18	61						
	with grilles-between-the-glass	PEL-N-214-01314-00001				0.30	0.13	0.15	61						
	with integral grilles	PEL-N-214-01315-00001				0.31	0.13	0.15	61						
13/16"	Green Advanced Low-E IG	PEL-N-214-01329-00001	5	3	Argon	0.30	0.18	0.28	61						
	with grilles-between-the-glass	PEL-N-214-01330-00001				0.30	0.15	0.23	61						
	with integral grilles	PEL-N-214-01331-00001				0.31	0.15	0.23	61						
Tinted Glazing															
13/16"	Advanced Low-E IG	PEL-N-214-01261-00001	3	3	Air	0.32	0.18	0.31	58						
	with grilles-between-the-glass	PEL-N-214-01262-00001				0.32	0.15	0.26	58						
	with integral grilles	PEL-N-214-01263-00001				0.33	0.15	0.26	58						
13/16"	SunDefense™ Low-E IG	PEL-N-214-01165-00001	3	3	Air	0.32	0.14	0.29	59						
	with grilles-between-the-glass	PEL-N-214-01166-00001				0.32	0.12	0.24	59						
	with integral grilles	PEL-N-214-01167-00001				0.33	0.12	0.24	59						
13/16"	AdvancedComfort Low-E IG	PEL-N-214-01197-00001	3	3	Air	0.29	0.17	0.31	45						
	with grilles-between-the-glass	PEL-N-214-01198-00001				0.29	0.15	0.26	45						
	with integral grilles	PEL-N-214-01199-00001				0.30	0.15	0.26	45						
13/16"	NaturalSun Low-E IG	PEL-N-214-01229-00001	3	3	Air	0.33	0.32	0.36	58						
	with grilles-between-the-glass	PEL-N-214-01230-00001				0.33	0.27	0.30	58						
	with integral grilles	PEL-N-214-01231-00001				0.33	0.27	0.30	58						

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

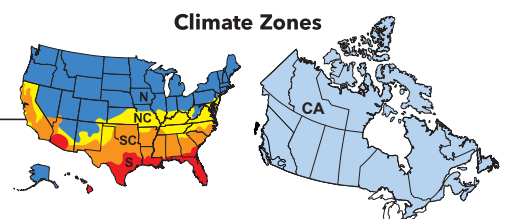
(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

U-Factor values shown are based on a standard sill and pine interior.

For center-glass values, see the Product Performance section.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





Architect Series® Traditional Commercial Out-Swing Door

Glazing Performance - Total Unit - Commercial Out-Swing

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Mid	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
											Zone				ER	Zone
											Vent Triple-Pane Glazing - Aluminum-Clad Exterior					
1"	Advanced Low-E IG	PEL-N-214-01513-00001	3	3	3	Argon	0.26	0.16	0.28	62						
	with grilles-between-the-glass	PEL-N-214-01514-00001					0.27	0.14	0.23	62						
	with integral grilles	PEL-N-214-01515-00001					0.27	0.14	0.23	62						
1"	Advanced Low-E IG	PEL-N-214-01521-00001	3	3	3	Krypton	0.25	0.16	0.28	62						
	with grilles-between-the-glass	PEL-N-214-01522-00001					0.25	0.14	0.23	62						
	with integral grilles	PEL-N-214-01523-00001					0.25	0.14	0.23	62						
1"	SunDefense™ Low-E IG	PEL-N-214-01537-00001	3	3	3	Argon	0.26	0.12	0.26	62						
	with grilles-between-the-glass	PEL-N-214-01538-00001					0.27	0.11	0.21	62						
	with integral grilles	PEL-N-214-01539-00001					0.26	0.11	0.21	62						
1"	SunDefense™ Low-E IG	PEL-N-214-01545-00001	3	3	3	Krypton	0.25	0.12	0.26	62						
	with grilles-between-the-glass	PEL-N-214-01546-00001					0.25	0.11	0.21	62						
	with integral grilles	PEL-N-214-01547-00001					0.25	0.11	0.21	62						
1"	NaturalSun Low-E IG	PEL-N-214-01489-00001	3	3	3	Argon	0.26	0.26	0.31	62						
	with grilles-between-the-glass	PEL-N-214-01490-00001					0.27	0.22	0.26	62						
	with integral grilles	PEL-N-214-01491-00001					0.27	0.22	0.26	62						
1"	NaturalSun Low-E IG	PEL-N-214-01497-00001	3	3	3	Krypton	0.25	0.26	0.31	62						
	with grilles-between-the-glass	PEL-N-214-01498-00001					0.25	0.22	0.26	62						
	with integral grilles	PEL-N-214-01499-00001					0.25	0.22	0.26	62						
High Altitude Glazing																
1"	Advanced Low-E IG	PEL-N-214-01517-00001	3	3	3	Air	0.28	0.16	0.28	62						
	with grilles-between-the-glass	PEL-N-214-01518-00001					0.29	0.14	0.23	62						
	with integral grilles	PEL-N-214-01519-00001					0.29	0.14	0.23	62						
1"	SunDefense Low-E IG	PEL-N-214-01541-00001	3	3	3	Air	0.28	0.13	0.26	62						
	with grilles-between-the-glass	PEL-N-214-01542-00001					0.29	0.11	0.21	62						
	with integral grilles	PEL-N-214-01543-00001					0.29	0.11	0.21	62						
1"	NaturalSun Low-E IG	PEL-N-214-01493-00001	3	3	3	Air	0.28	0.26	0.31	61						
	with grilles-between-the-glass	PEL-N-214-01494-00001					0.29	0.22	0.26	61						
	with integral grilles	PEL-N-214-01495-00001					0.29	0.22	0.26	61						

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
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 CR = Condensation Resistance
 ER = Canadian Energy Rating

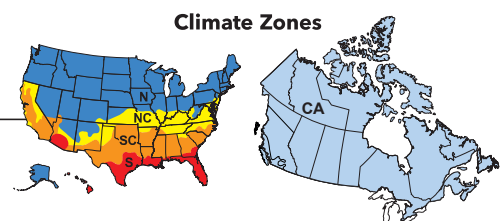
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(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

U-Factor values shown are based on a standard sill and pine interior.

For center-glass values, see the Product Performance section.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





Architect Series® Traditional Commercial Out-Swing Door

Glazing Performance - Total Unit - Commercial Out-Swing

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown						
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂		
										Zone				ER	Zone	
										N	NC	SC	S			CA
Vent Dual-Pane Glazing - Wood Exterior											N	NC	SC	S		CA
13/16"	Clear IG	PEL-N-213-00001-00001	3	3	Air	0.40	0.36	0.37	48							
	with grilles-between-the-glass	PEL-N-213-00002-00001				0.40	0.31	0.31	48							
	with integral grilles	PEL-N-213-00003-00001				0.40	0.31	0.31	49							
13/16"	Advanced Low-E IG	PEL-N-213-00067-00001	3	3	Argon	0.30	0.18	0.31	61							
	with grilles-between-the-glass	PEL-N-213-00068-00001				0.30	0.15	0.26	61							
	with integral grilles	PEL-N-213-00069-00001				0.31	0.15	0.26	61							
13/16"	SunDefense™ Low-E IG	PEL-N-213-00013-00001	3	3	Argon	0.30	0.14	0.29	61							
	with grilles-between-the-glass	PEL-N-213-00014-00001				0.30	0.12	0.24	61							
	with integral grilles	PEL-N-213-00015-00001				0.30	0.12	0.24	61							
13/16"	AdvancedComfort Low-E IG	PEL-N-213-00031-00001	3	3	Argon	0.28	0.17	0.31	49							
	with grilles-between-the-glass	PEL-N-213-00032-00001				0.28	0.15	0.26	49							
	with integral grilles	PEL-N-213-00033-00001				0.28	0.15	0.26	49							
13/16"	NaturalSun Low-E IG	PEL-N-213-00049-00001	3	3	Argon	0.31	0.32	0.36	61							
	with grilles-between-the-glass	PEL-N-213-00050-00001				0.31	0.27	0.30	61							
	with integral grilles	PEL-N-213-00051-00001				0.31	0.27	0.30	61							
Tinted Glazing																
13/16"	Bronze Advanced Low-E IG	PEL-N-213-00085-00001	5	3	Argon	0.30	0.16	0.20	61							
	with grilles-between-the-glass	PEL-N-213-00086-00001				0.30	0.14	0.17	61							
	with integral grilles	PEL-N-213-00087-00001				0.31	0.14	0.17	61							
13/16"	Gray Advanced Low-E IG	PEL-N-213-00097-00001	5	3	Argon	0.30	0.15	0.18	61							
	with grilles-between-the-glass	PEL-N-213-00098-00001				0.30	0.13	0.15	61							
	with integral grilles	PEL-N-213-00099-00001				0.31	0.13	0.15	61							
13/16"	Green Advanced Low-E IG	PEL-N-213-00109-00001	5	3	Argon	0.30	0.15	0.25	61							
	with grilles-between-the-glass	PEL-N-213-00110-00001				0.30	0.13	0.21	61							
	with integral grilles	PEL-N-213-00111-00001				0.31	0.13	0.21	61							
High Altitude Glazing																
13/16"	Advanced Low-E IG	PEL-N-213-00064-00001	3	3	Air	0.32	0.18	0.31	59							
	with grilles-between-the-glass	PEL-N-213-00065-00001				0.32	0.15	0.26	59							
	with integral grilles	PEL-N-213-00066-00001				0.33	0.15	0.26	59							
13/16"	SunDefense Low-E IG	PEL-N-213-00010-00001	3	3	Air	0.32	0.14	0.29	59							
	with grilles-between-the-glass	PEL-N-213-00011-00001				0.32	0.12	0.24	59							
	with integral grilles	PEL-N-213-00012-00001				0.32	0.12	0.24	59							
13/16"	AdvancedComfort Low-E IG	PEL-N-213-00028-00001	3	3	Air	0.29	0.18	0.31	46							
	with grilles-between-the-glass	PEL-N-213-00029-00001				0.29	0.15	0.26	46							
	with integral grilles	PEL-N-213-00030-00001				0.30	0.15	0.26	46							
13/16"	NaturalSun Low-E IG	PEL-N-213-00046-00001	3	3	Air	0.33	0.32	0.36	58							
	with grilles-between-the-glass	PEL-N-213-00047-00001				0.33	0.27	0.30	58							
	with integral grilles	PEL-N-213-00048-00001				0.33	0.27	0.30	58							

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

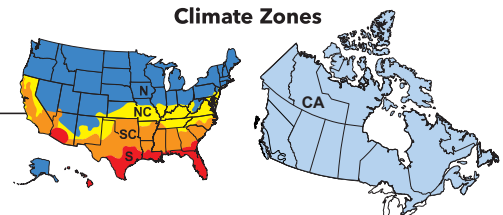
(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

U-Factor values shown are based on a standard sill and pine interior. Energy performance for larger product sizes could vary slightly due to differing glass configurations.

For center-glass values, see the Product Performance section.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.

Climate Zones





Architect Series® Traditional Commercial Out-Swing Door

Glazing Performance - Total Unit - Commercial Out-Swing

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Mid	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
											Zone				ER	Zone
Vent Triple-Pane Glazing - Wood Exterior											N	NC	SC	S	CA	
1"	Advanced Low-E IG	PEL-N-213-00721-00001	3	3	3	Argon	0.26	0.16	0.28	62						
	with grilles-between-the-glass	PEL-N-213-00722-00001					0.26	0.14	0.23	62						
	with integral grilles	PEL-N-213-00723-00001					0.27	0.14	0.23	62						
1"	Advanced Low-E IG	PEL-N-213-00725-00001	3	3	3	Krypton	0.24	0.16	0.28	62						
	with grilles-between-the-glass	PEL-N-213-00726-00001					0.24	0.14	0.23	62						
	with integral grilles	PEL-N-213-00727-00001					0.25	0.14	0.23	62						
1"	SunDefense™ Low-E IG	PEL-N-213-00733-00001	3	3	3	Argon	0.26	0.12	0.26	62						
	with grilles-between-the-glass	PEL-N-213-00734-00001					0.26	0.11	0.21	62						
	with integral grilles	PEL-N-213-00735-00001					0.27	0.11	0.21	62						
1"	SunDefense™ Low-E IG	PEL-N-213-00737-00001	3	3	3	Krypton	0.24	0.12	0.26	62						
	with grilles-between-the-glass	PEL-N-213-00738-00001					0.24	0.11	0.21	62						
	with integral grilles	PEL-N-213-00739-00001					0.25	0.11	0.21	62						
1"	NaturalSun Low-E IG	PEL-N-213-00709-00001	3	3	3	Argon	0.26	0.26	0.31	62						
	with grilles-between-the-glass	PEL-N-213-00710-00001					0.26	0.23	0.26	62						
	with integral grilles	PEL-N-213-00711-00001					0.27	0.23	0.26	62						
1"	NaturalSun Low-E IG	PEL-N-213-00713-00001	3	3	3	Krypton	0.24	0.26	0.31	62						
	with grilles-between-the-glass	PEL-N-213-00714-00001					0.24	0.23	0.26	62						
	with integral grilles	PEL-N-213-00715-00001					0.25	0.23	0.26	62						
High Altitude Glazing																
1"	Advanced Low-E IG	PEL-N-213-00717-00001	3	3	3	Air	0.28	0.16	0.28	62						
	with grilles-between-the-glass	PEL-N-213-00718-00001					0.28	0.14	0.23	62						
	with integral grilles	PEL-N-213-00719-00001					0.29	0.14	0.23	62						
1"	SunDefense Low-E IG	PEL-N-213-00729-00001	3	3	3	Air	0.28	0.13	0.26	62						
	with grilles-between-the-glass	PEL-N-213-00730-00001					0.28	0.11	0.21	62						
	with integral grilles	PEL-N-213-00731-00001					0.29	0.11	0.21	62						
1"	NaturalSun Low-E IG	PEL-N-213-00705-00001	3	3	3	Air	0.28	0.26	0.31	62						
	with grilles-between-the-glass	PEL-N-213-00706-00001					0.29	0.23	0.26	62						
	with integral grilles	PEL-N-213-00707-00001					0.29	0.23	0.26	62						

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

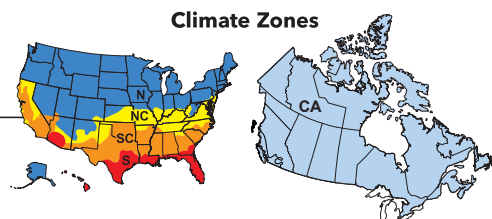
(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

U-Factor values shown are based on a standard sill and pine interior. Energy performance for larger product sizes could vary slightly due to differing glass configurations.

For center-glass values, see the Product Performance section.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.

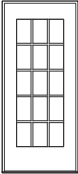
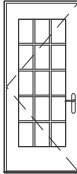
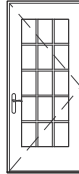



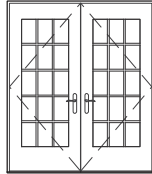
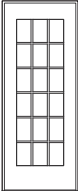
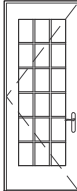
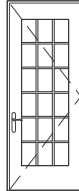



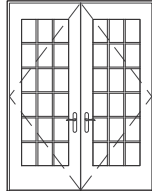




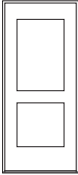
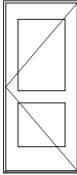




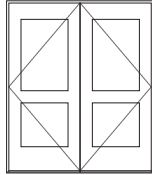
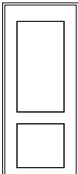
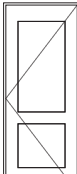




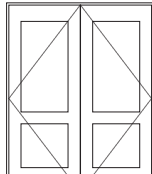
Architect Series® Traditional Commercial Out-Swing Door

Size Tables

7' 2" and 8' 0" Vent and Fixed Units - Clad

		(981) (962)	(981) (962)	(981) (962)	(540) (521)	(692) (673)	(845) (826)	(1 886) (1 867)
Opening		3' 2 5/8"	3' 2 5/8"	3' 2 5/8"	1' 9 1/4"	2' 3 1/4"	2' 9 1/4"	6' 2 1/4"
Frame		3' 1 7/8"	3' 1 7/8"	3' 1 7/8"	1' 8 1/2"	2' 2 1/2"	2' 8 1/2"	6' 1 1/2"
(2 197) (2 184)	7' 2 1/2"							
	7' 2"	FIXED 3886	LEFT 3886	RIGHT 3886	SIDELIGHT 2186	SIDELIGHT 2786	SIDELIGHT 3386	ACTIVE-ACTIVE 7486
(2 438) (2 426)	8' 0"							
	7' 11 1/2"	FIXED 3896	LEFT 3896	RIGHT 3896	SIDELIGHT 2196	SIDELIGHT 2796	SIDELIGHT 3396	ACTIVE-ACTIVE 7496

7' 2" and 8' 0" Vent and Fixed Units - Clad

		3' 2 5/8" (981)	3' 2 5/8" (981)	3' 2 5/8" (981)	1' 9 1/4" (540)	2' 3 1/4" (692)	2' 9 1/4" (845)	6' 2 1/4" (1 886)
Opening		3' 2 5/8" (981)	3' 2 5/8" (981)	3' 2 5/8" (981)	1' 9 1/4" (540)	2' 3 1/4" (692)	2' 9 1/4" (845)	6' 2 1/4" (1 886)
Frame		3' 1 7/8" (962)	3' 1 7/8" (962)	3' 1 7/8" (962)	1' 8 1/2" (521)	2' 2 1/2" (673)	2' 8 1/2" (826)	6' 1 1/2" (1 867)
(2 197) (2 184)	7' 2 1/2"							
	7' 2"	FIXED 3886	LEFT 3886	RIGHT 3886	SIDELIGHT 2186	SIDELIGHT 2786	SIDELIGHT 3386	ACTIVE-ACTIVE 7486
(2 438) (2 426)	8' 0"							
	7' 11 1/2"	FIXED 3896	LEFT 3896	RIGHT 3896	SIDELIGHT 2196	SIDELIGHT 2796	SIDELIGHT 3396	ACTIVE-ACTIVE 7496

Not to scale.

CL = Distance from bottom of door to center line of intermediate rail is 38".

Masonry dimensions are with Pella's 1-7/8" brickmould.

To determine masonry openings when using Pella's 3-1/2" brickmould, add an additional 3-1/4" to width and 1-5/8" to height.

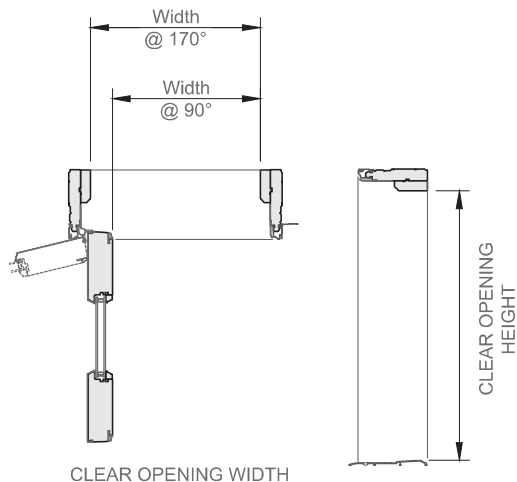


Architect Series® Traditional Commercial Out-Swing Door

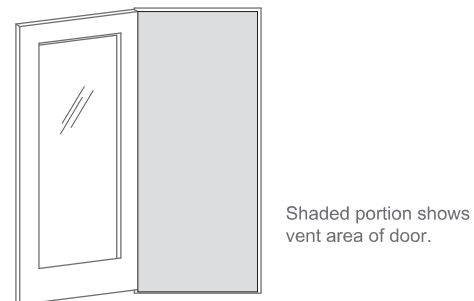
Design Data

Commercial Aluminum EnduraClad® Exterior Aluminum Cladding and Wood exterior								
7' 2" DOORS	Clad and Wood Units		Clear Opening (Inches)			Visible Glass Ft²		Standard Glass Thickness (mm) Tempered
			Width ¹		Height	Without Rail	With Rail	
			Open 170°	Open 90°				
	3886	F	—	—	—	10.3	9.3	3
3886	L/R	34	32-5/16	83-3/4	10.3	9.3	3	
7486	AA	70 / 34-15/16	65-7/8 / 32-7/8	83-3/4	20.6	18.7	3	
8' 0" DOORS	3896	F	—	—	—	11.8	10.9	3
	3896	L/R	34	32-5/16	93-3/4	11.8	10.9	3
	7496	AA	70 / 34-15/16	65-7/8 / 32-7/8	93-3/4	23.7	21.8	3
SIDELIGHTS	2186	S/L	—	—	—	6.1	5.5	3
	2196	S/L	—	—	—	7.0	6.5	3
	2786	S/L	—	—	—	8.8	7.9	3
	2796	S/L	—	—	—	10.1	9.2	3
	3386	S/L	—	—	—	11.4	10.3	3
	3396	S/L	—	—	—	13.1	12.0	3

Clear Opening Schematic



Vent Area Schematic



(—) = Not applicable

(1) All dimensions are approximate to the nearest 1/16". The second value, where shown, provides the clear opening for the active panel only.

All doors are glazed with 3mm tempered glass.

To convert areas to square meters (m²), multiply square feet by 0.0929.

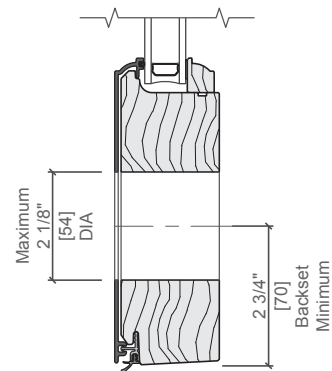
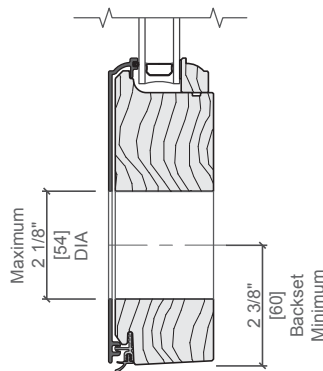
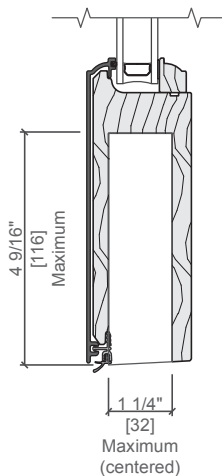


Architect Series® Traditional Commercial Out-Swing Door

Hardware Parameters and Recommendations

Pella Architect Series Commercial Out-Swing Doors are not supplied with locking hardware, closers, panic hardware, push plates or kick plates. Use the following guidelines when selecting these hardware items from your hardware supplier.

- **Mortise Locks:** Maximum mortise rout dimensions are shown below for commercial doors with standard stile dimensions. Maximum height of the mortise rout is 10 inches. Routs should be sealed before the locks are installed for added moisture protection.
- **Cylinder Locks:** Maximum diameter of cylinder lock bore is 2-1/8". Minimum backset is 2-3/8"; maximum backset is 2-3/4".
- **Door Closers:** When door closers are being used, Pella recommends the use of surface applied door closers with mounting devices that anchor into the structural header of the rough opening. Devices that anchor to the door frame only are not approved for use on Pella doors. Concealed closers that are routed into the top of the door panel are not recommended.
- **Exit Devices:** When exit devices are used, Pella recommends the use of surface mounted vertical rod hardware. Concealed vertical rod hardware is not recommended.
- **Kick plates and push plates:** In commercial applications, Pella recommends the use of kick plates and push plates to protect the wood veneer.





Architect Series® Traditional Commercial Out-Swing Door

Detailed Product Descriptions - Aluminum-Clad Exterior

Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [clear pine] [mahogany] [douglas fir], edge-banded and veneered.
- Exterior surfaces are clad with aluminum at the head and jambs.
- Components are assembled with screws, staples and concealed corner locks.
- Frame depth is 5-7/8" (149mm) for a wall depth of 4-9/16" (116mm).
- Jamb extensions available to adapt door to wall thickness between 4-9/16" (116mm) to 7" (178mm).
- Sill is 1/2" low profile. Extruded aluminum with [mill] [bronze] finish.

Door panels

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are veneered with [clear pine] [mahogany] [douglas fir].
- Exterior surfaces are clad with aluminum.
- Panel stiles and rails are five-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Panel lock stiles on all units and all stiles on units over 8' height are constructed with LVL core with finger-jointed edge bands on both sides and veneered on both faces.
- Corners are urethane-silicone hybrid sealed and secured with metal fasteners.
- Panel thickness is 2-1/16" (52mm).

Weatherstripping

- Dual-durometer extruded polymer along jambs, head and sill.
- Dual-durometer extruded polymer rainscreen along top and sides of panel.
- Bristle rainscreen along bottom of panel.

Glazing System

- Quality fully-tempered float glass complying with ASTM C 1048.
- Custom and high altitude glazing available.
- Urethane-glazed 13/16" dual-seal insulating glass [clear] [obscure] [[Advanced Low-E] [SunDefense™ Low-E] [AdvancedComfort Low-E] [NaturalSun Low-E] with argon]] [[bronze] [gray] [green] Advanced Low-E with argon].
- or -
- Silicone-glazed 1" triple-pane insulating glass [[annealed] [tempered]] [[Advanced Low-E] [SunDefense™ Low-E] [NaturalSun Low-E with [argon] [krypton]]].

Exterior

- Exterior aluminum surfaces are finished with EnduraClad® multi-step, baked-on finish.
 - Color is [Standard] [custom]₁.
- or -
- Exterior aluminum surfaces are finished with EnduraClad® Plus protective finish with 70% fluoropolymer resin, multi-step baked-on finish.
 - Color is [Standard] [custom]₁.

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [paint] [stain]₁].

Hardware

Hinges

- Ball-bearing hinges
 - Doors 6' 10" and under frame height will have three (3) ball-bearing hinges.
 - Doors over 6' 10" frame height up to and including 8' 0" frame height will have four (4) ball bearing hinges.
 - Hinge finish will complement the finish of the sill.
- or -
- Adjustable hinges to assist in installation.
 - Doors 6' 10" to 7' 0" frame height will have three (3) hinges.
 - Doors over 7' 0" frame height up to and including 8' 0" frame height will have four (4) hinges.
 - Doors over 8' 3" frame height up to and including 9' 0" frame height will have five (5) hinges.
 - Doors over 9' 0" frame height will have six (6) hinges.
 - Hinge color to match exterior cladding.

Optional Products

Grilles

- Integral Light Technology® grilles
 - Interior grilles are [5/8"] [7/8"] [1-1/4"] [2"] ogee profile that are solid [pine] [mahogany] [douglas fir]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]₁].
 - Exterior grilles are [5/8" putty glaze profile] [7/8" [putty glaze] [ogee] profile] [1-1/4" [putty glaze] [ogee] profile] [2" ogee profile] that are extruded aluminum.
 - Patterns are [Traditional] [Prairie] [Top Row] [Cross] [New England] [Victorian].
 - Insulating glass contains non-glare spacer between the panes of glass.
 - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with spacer.
- or -
- Grilles-Between-the-Glass₂
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass (exterior air-space on triple-pane insulating glass).
 - Patterns are [Traditional] [Prairie] [Cross] [Top Row]
 - Interior color is [White] [Tan₃] [Brown₃] [Putty₃] [Black] [Morning Sky Gray] [Ivory] [Sand Dune] [Harvest] [Cordovan] [Brickstone].
 - Exterior color₄ is [Standard]₁.

Intermediate Rail and Flat Panel Options

- 6" Intermediate rail is three-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Clad Flat panel exterior is .080" Aluminum. Color is [Standard] [custom]₁.
- Flat panel is an LVL construction with Interior exposed surfaces are veneered with [pine] [mahogany] [douglas fir].
- Standard placement: 6" Intermediate Rail 38" OC from the bottom of the door sill.

(1) Contact your local Pella sales representative for current color options.

(2) Available in clear or Low-E insulating glass only.

(3) Tan, Brown and Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior

(4) Appearance of exterior grille color will vary depending on Low-E coating on glass.



Architect Series® Traditional Commercial Out-Swing Door

Detailed Product Descriptions - Wood Exterior

Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior and exterior surfaces are [pine] [mahogany].
- Overall frame depth is 4-9/16" (116mm).
- Jamb extensions available to adapt door to wall thickness between 4-9/16" (116mm) to 7" (178mm).
- Sill is 1/2" low profile. Extruded aluminum with [mill] [Bronze] finish.

Door panels

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are veneered with [pine] [mahogany].
- Panel stiles and rails are five-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Corners are urethane-silicone hybrid sealed and secured with metal fasteners.
- Panel thickness is 2-1/16" (52mm).

Weatherstripping

- Dual-durometer extruded polymer along jambs, head and sill.
- Dual-durometer extruded polymer rainscreen along top and sides of panel.
- Bristle rainscreen along bottom of panel.

Glazing System

- Quality fully-tempered float glass complying with ASTM C 1048.
- Custom and high altitude glazing available.
- Urethane-glazed 13/16" dual-seal insulating glass [clear] [obscure] [[Advanced Low-E] [SunDefense™ Low-E] [AdvancedComfort Low-E] [NaturalSun Low-E] with argon]] [[bronze] [gray] [green] Advanced Low-E with argon].
– or –
- Silicone-glazed 1" triple-pane insulating glass [[annealed] [tempered]] [[Advanced Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] with [argon] [krypton]].

Interior

- [Pine [primed with one coat acrylic latex] [Unfinished, ready for site finishing] [prefinished stained₁]] [mahogany: Unfinished, ready for site finishing].

Exterior

- [Wood composite: primed with one coat acrylic latex] [mahogany: [unfinished, ready for site finishing] [primed with one coat acrylic latex]].

Hardware

Hinges

- Ball-bearing hinges
 - Doors 6' 10" and under frame height will have three (3) ball-bearing hinges.
 - Doors over 6' 10" frame height up to and including 8' 0" frame height will have four (4) ball bearing hinges.
 - Hinge finish will complement the finish of the sill.
– or –
- Adjustable hinges to assist in installation.
 - Doors 6' 10" to 7' 0" frame height will have three (3) hinges.
 - Doors over 7' 0" frame height up to and including 8' 0" frame height will have four (4) hinges.
 - Doors over 8' 3" frame height up to and including 9' 0" frame height will have five (5) hinges.
 - Doors over 9' 0" frame height will have six (6) hinges.
 - Hinge color to match exterior cladding.

Optional Products

Grilles

- Integral Light Technology® grilles
 - Interior grilles are [5/8"] [7/8"] [1-1/4"] [2"] ogee profile that are solid [pine] [mahogany]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain] ₁].
 - Exterior grilles are [5/8"] [7/8"] [1-1/4"] putty glaze profile that are solid [pine] [mahogany]. Exterior surfaces are water repellent, preservative-treated in accordance with WDMA I.S.-4, and are [unfinished, ready for site finishing] [factory primed].
 - Patterns are [Traditional] [Prairie] [Top Row] [Cross] [New England] [Victorian].
 - Insulating glass contains non-glare spacer between the panes of glass.
 - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with spacer.
– or –
- Grilles-Between-the-Glass₂
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass (exterior air-space on triple-pane insulating glass).
 - Patterns are [Traditional] [Prairie] [Cross] [Top Row]
 - Interior color is [White] [Tan₃] [Brown₃] [Putty₃] [Black] [Morning Sky Gray] [Ivory] [Sand Dune] [Harvest] [Cordovan] [Brickstone].
 - Exterior color₄ is [standard₁].

Intermediate Rail and Flat Panel Options

- 6" Intermediate rail is three-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Wood Flat panel exterior is an LVL construction with exposed surfaces that are veneered with [pine] [mahogany]. Exteriors are [pine: primed] [mahogany [primed] [unfinished, ready for site finishing]].
- Flat panel is an LVL construction with Interior exposed surfaces are veneered with [pine] [mahogany].
- Standard placement: 6" Intermediate Rail 38" OC from the bottom of the door sill.

(1) Contact your local Pella sales representative for current color options.

(2) Available in clear or Low-E insulating glass only.

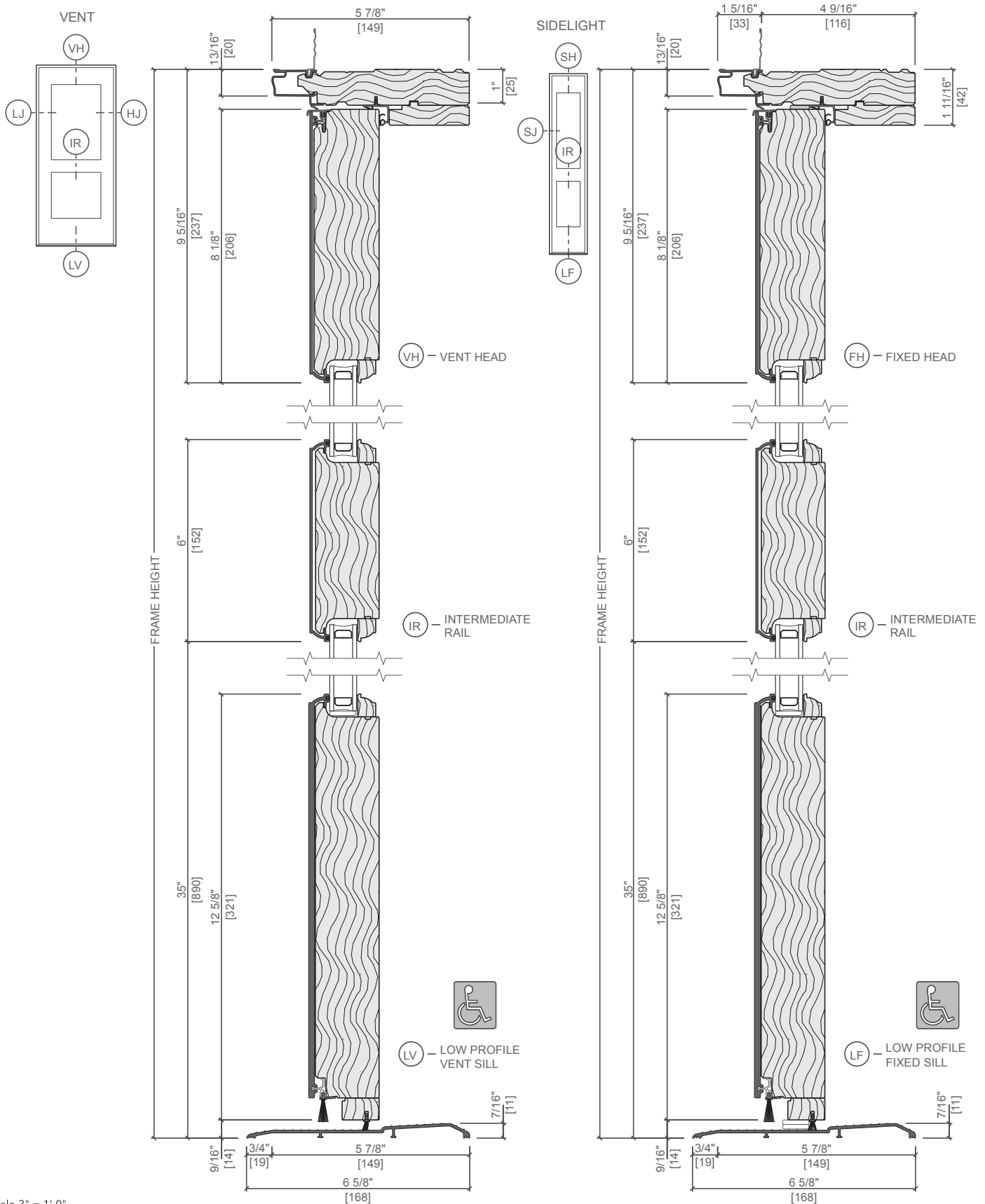
(3) Tan, Brown or Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

(4) Appearance of exterior grille color will vary depending on Low-E coating on glass.



Architect Series® Traditional Commercial Out-Swing Door

Unit Sections - Aluminum-Clad Ogee Exterior Glazing Profile



Scale 3" = 1' 0"

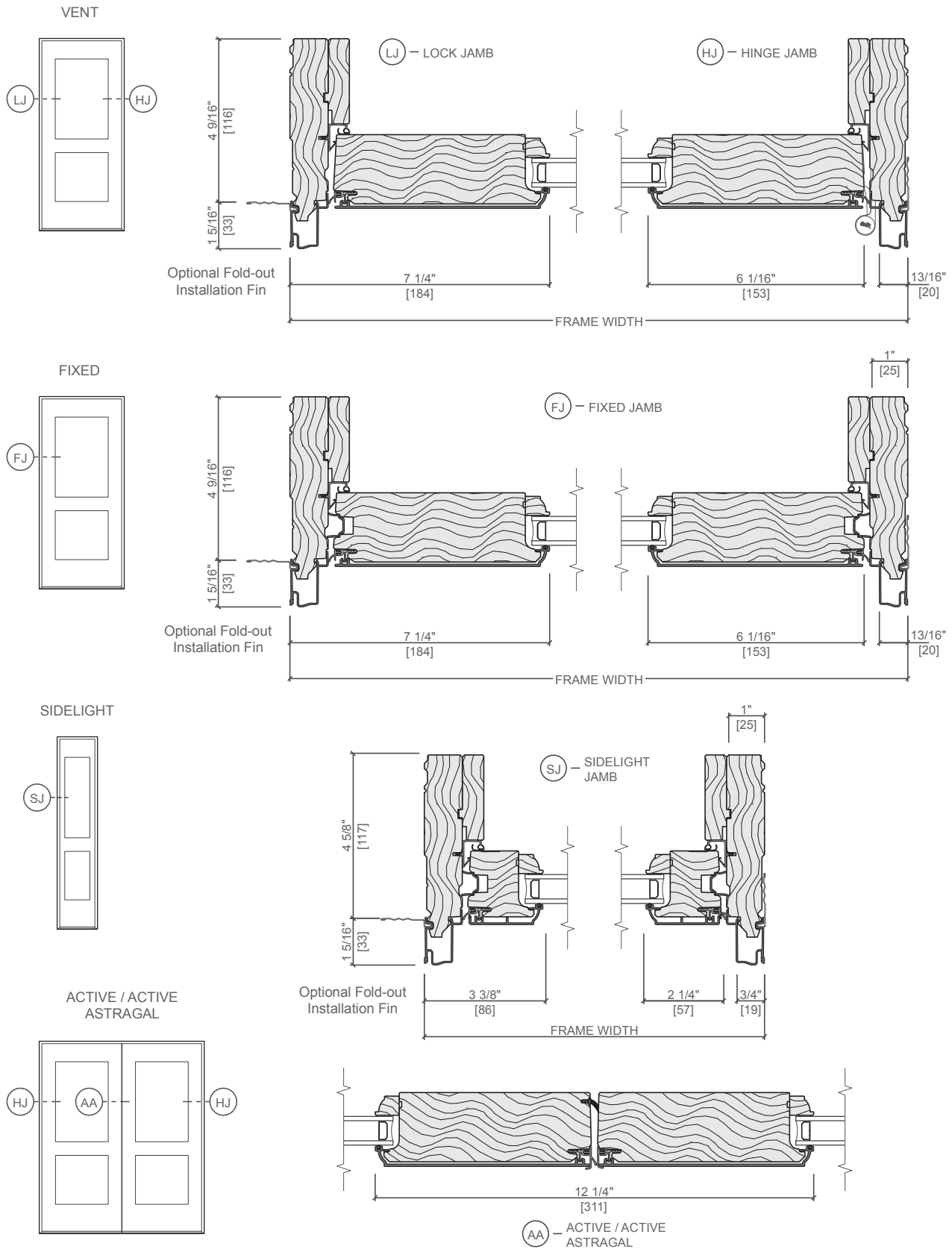
All dimensions are approximate.

Water resistance is 0 psf for units with a low profile sill.



Architect Series® Traditional Commercial Out-Swing Door

Unit Sections - Aluminum-Clad Ogee Exterior Glazing Profile



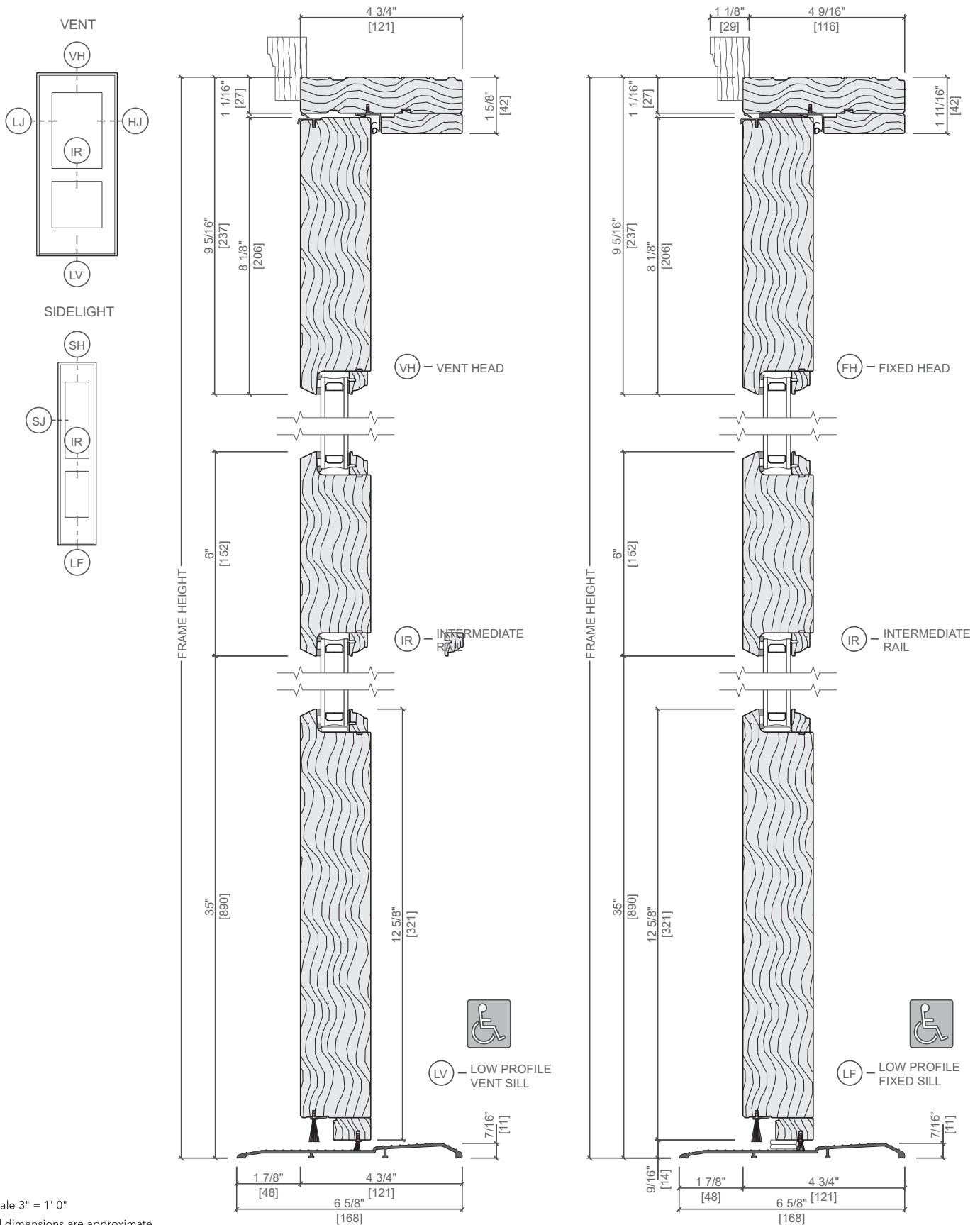
Scale 3" = 1' 0"

All dimensions are approximate.



Architect Series® Traditional Commercial Out-Swing Door

Unit Sections - Wood Exterior Putty Glaze Exterior Profile



Scale 3" = 1' 0"

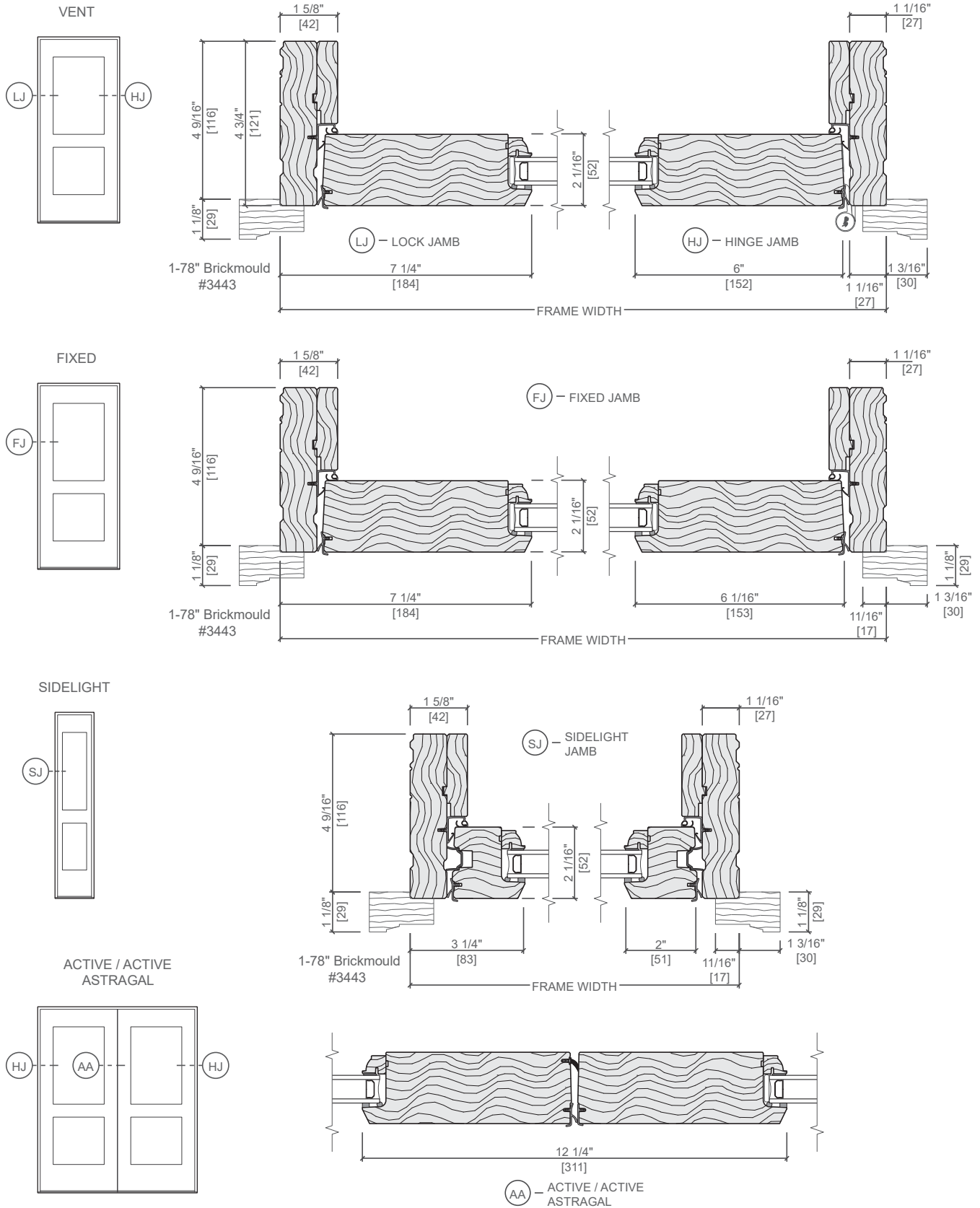
All dimensions are approximate.

Water resistance is 0 psf for units with a low profile sill.



Architect Series® Traditional Commercial Out-Swing Door

Unit Sections - Wood Exterior Putty Glaze Exterior Profile



Scale 3" = 1' 0"

All dimensions are approximate.

Water resistance is 0 psf for units with a low profile sill.



Pella® Architect Series® - Traditional Commercial Entrance Door



4.05 

(Based on 256 Reviews)

\$\$\$-\$\$\$\$\$

Not available for online purchase

GET A QUOTE



Pella Architect Series – Traditional commercial entrance doors are an exceptional choice for retail and commercial projects. With a low-profile sill and standard 32” clear opening, these commercial entrance doors are ADA compliant.

- Energy-efficient options to keep your commercial property comfortable.
- EnduraGuard® and EnduraClad® wood protection systems provide long-lasting beauty.
- Create a distinct look with optional sidelights and transoms

Features	Downloads & Specifications	Design Options	FAQs
Inspiration			

ARCHITECT SERIES - TRADITIONAL COMMERCIAL ENTRANCE
DOOR FEATURES



ADA Compliant Options

DOWNLOADS & SPECIFICATIONS

- +

Design & Performance
- +

Specifications
- +

3D & BIM
- +

2D Elevation
- +

2D Cross Section
- +

Product Literature





ARCHITECT SERIES – TRADITIONAL COMMERCIAL ENTRANCE DOOR SPECS & INSTALL DETAILS

- Distinguished craftsmanship and nearly endless possibilities
- Low-profile ADA compliant sills and 32" clear opening width
- Available in sizes from 48" x 79-1/2" to 73-1/2" x 95-1/2"
- Installation options include Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
- Create architectural interest with optional transoms and sidelights



Frame

- Interior exposed surfaces are edge-banded and veneered.
- Exterior surfaces are clad with aluminum at the head and jambs.
- Components are assembled with screws, staples and concealed corner locks.
- Frame depth is 5-7/8" (149mm) for a wall depth of 4-9/16" (116mm).
- Jamb extensions available to adapt door to wall thickness between 4-9/16" (116mm) to 7" (178mm).
- Sill is 1/2" low profile.

Door panels

- Interior exposed surfaces are veneered with clear pine, mahogany, ...

douglas fir.

- Exterior surfaces are clad with aluminum.
- Panel stiles and rails are five-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Panel lock stiles on all units and all stiles on units over 8' height are constructed with LVL core with finger-jointed edge bands on both sides and veneered on both faces.
- Corners are urethane-silicone hybrid sealed and secured with metal fasteners
- Panel thickness is 2-1/16" (52mm).

Ball-bearing hinges

- Doors 6' 10" and under frame height will have three (3) ball-bearing hinges.
- Doors over 6' 10" frame height up to and including 8' 0" frame height will have four (4) ball bearing hinges.
- Hinge finish will complement the finish of the sill.

Adjustable hinges

- Assist in installation
- Doors 6' 10" to 7' 0" frame height will have three (3) hinges.
- Doors over 7' 0" frame height up to and including 8' 0" frame height will have four (4) hinges.
- Doors over 8' 3" frame height up to and including 9' 0" frame height will have five (5) hinges.
- Doors over 9' 0" frame height will have six (6) hinges.
- Hinge color to match exterior cladding

Intermediate Rail and Flat Panel Options

- 6" Intermediate rail is three-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Clad Flat panel exterior is .080" Aluminum.
- Flat panel is an LVL construction with Interior exposed surfaces are veneered with pine, mahogany or douglas fir.
- Standard placement: 6" Intermediate Rail 38" OC from the bottom of the door sill.

ARCHITECT SERIES REVIEWS

5



They actually picked up the phone and scheduled a estimator. I previously called anderson but they were giving a hard time before estimator arrived



IVY T.

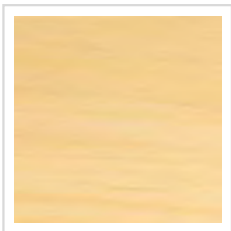
SEE ALL REVIEWS

DESIGN OPTIONS

MATERIALS



Materials



Pine

FINISHES



HARDWARE



COMBINATIONS



GLASS



GRILLES



FREQUENTLY ASKED QUESTIONS

What are the benefits of wood patio doors?

Wood patio doors offer beauty, warmth and design flexibility, all while providing exceptional energy efficiency. They are also very durable and highly customizable.

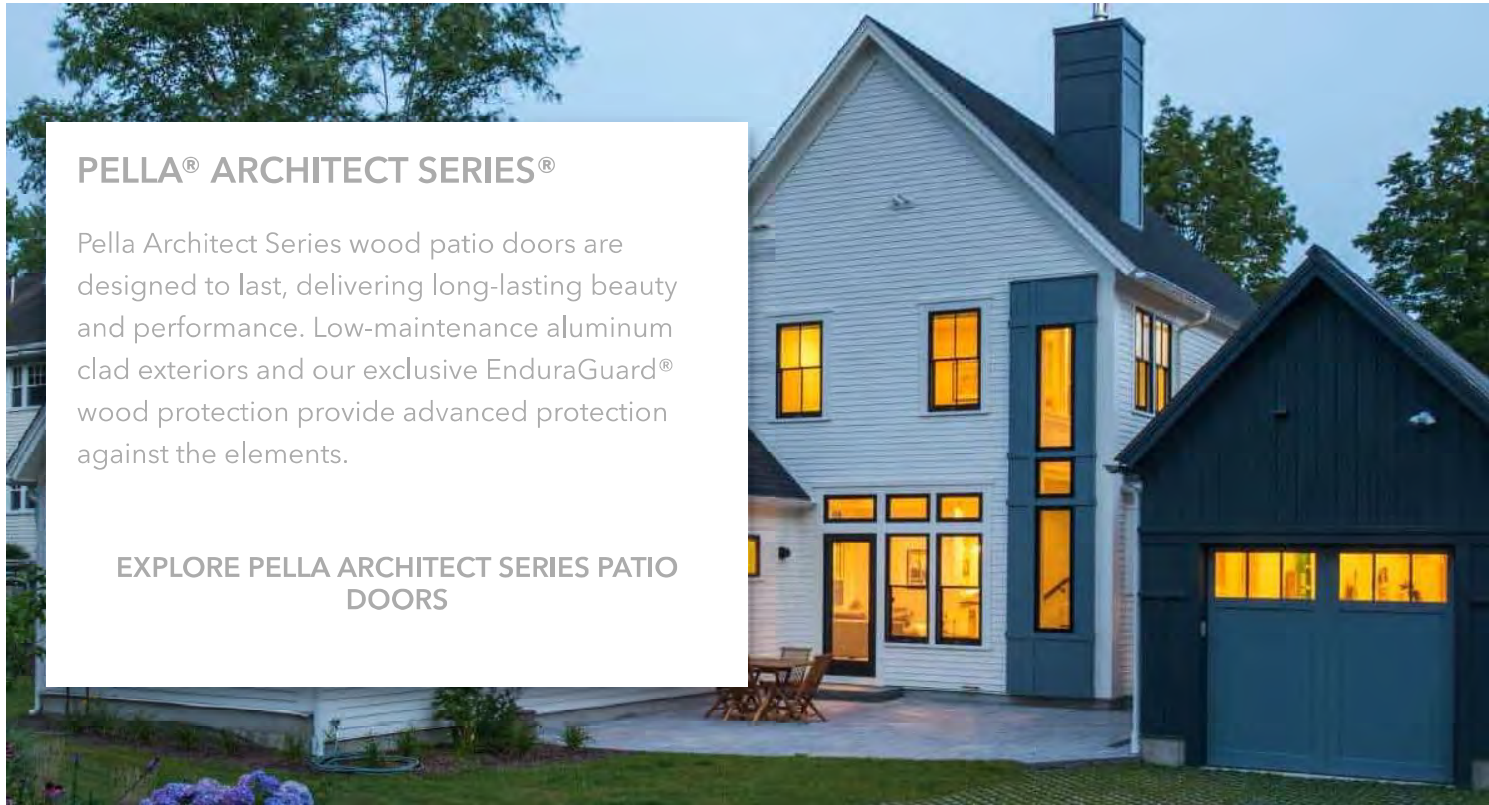
What product lines are made of wood?

Pella offers the following product lines made of wood: Pella® Reserve™ - Traditional, Pella® Reserve™ - Contemporary, Architect Series® - Traditional, Architect Series® - Contemporary and Pella® Lifestyle Series. These product lines feature windows and patio doors. There are also many front entry doors available in wood.

What is the most secure front door?

The most secure front door is one with hardware that features a multipoint locking system. This secures the door in multiple places for added security. Choosing a front door without glass is another way to increase security.

[SEE ALL FAQs](#)



PELLA® ARCHITECT SERIES®

Pella Architect Series wood patio doors are designed to last, delivering long-lasting beauty and performance. Low-maintenance aluminum clad exteriors and our exclusive EnduraGuard® wood protection provide advanced protection against the elements.

EXPLORE PELLA ARCHITECT SERIES PATIO DOORS

Other Architect Series - Traditional Products

Pella® Architect Series - Traditional
Multi-Slide Patio Door

\$\$\$-\$\$\$

VIEW DETAILS

Not available for online purchase

Pella® Architect Series - Traditional
Bifold Patio Door

\$\$\$-\$\$\$

VIEW DETAILS

Not available for online purchase



Patio Door Tips & Advice

Shopping for Replacement Patio Doors

Replacing your patio door opens up a world of opportunity. Don't settle for just a simple door. Pella makes it easy for you to get the patio door of your dreams.



[SEE ALL PATIO DOOR TIPS & ADVICE](#)

Compare Commercial Entrance Doors



Architect Series® - Traditional

Wood

Classic, timeless style

Additional security and comfort

(Currently Viewing)





SUBMITTAL INFO

Project: 201421. HISD Milby HS Rebuild
Description: Glazing - Product Data - Pella

Submittal No.: 088000.0.2
Specification: 088000
Submitted By: The Theut Company LLC dba Theut Glass Company

Due Date: 6/30/2016

Notes:

General Contractor
Tellepsen Builders, L.P.
777 Benmar, Suite 400
Houston, TX 77060-3607

Architect
Kirksey
6909 Portwest Drive
Houston, TX 77024
Jody Henry

☒
☐

Reviewed
Reviewed as Noted

☐
☐

Rejected
Revised and Re-Submit

Contractor's review is only for compliance with the Contract Documents. Any deviation from the Contract Documents must be expressly stated by the Subcontractor.

The Subcontractor and/or material supplier is responsible for dimensions to be confirmed and correlated at the jobsite and fabrication.

By: Carlos Ramos
Date: 6/27/2016
Tellepsen Builders, L.P., Houston TX

*CONTRACTOR EXPRESSLY DISCLAIMS ANY
RESPONSIBILITY FOR DESIGN OR ENGINEERING ISSUES
BY SUBMITTING THIS SUBMITTAL.*

Design Team Comments and Approval:

EACH COPY OF EACH ITEM SUBMITTED MUST HAVE THE FOLLOWING COVER SHEET ATTACHED.

Contractor: _____

Project: _____

Specification Section#: _____

Section Name: _____

Drawing Sheets: _____

Subcontractor: _____ Phone # (____) _____

Item Submitted: _____

Manufacturer: _____

Supplier: _____ Phone # (____) _____

Remarks: _____

Substitutions: _____

I CERTIFY THAT THE ABOVE ITEM DESCRIBED IN THE ATTACHED SUBMITTAL COMPLIES WITH THE CONTRACT DOCUMENTS, EXCEPT AS NOTED ABOVE.

Subcontractor

Contractor

END OF SECTION

INSTALLATION SHOP DRAWINGS FOR HISD - MILBY HS HOUSTON, TX

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-C620, 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.
 - i) Vertical dimensions between high and low points -- plus 1/4" or minus 0".
 - ii) 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	NONE	-
SPECIFICATIONS	NONE	-
ADDENDUM	NONE	-
OTHER	PHOTOS	-

Mullion Reinforcement

THIS REINFORCING DESIGN CONSIDERS WIND LOADING ON THE COMBINATION AND DEAD LOAD FOR PELLA PRODUCTS ONLY.		
MARK #	REINFORCEMENT TYPE	MAX. END LOAD
M6.1	1"x4-3/8" FACTORY APPLIED WOOD (MINIMUM)	375 LBS

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	RECD.	= REQUIRED
B.O.	= BY OTHERS	MAX.	= MAXIMUM	R.O.	= ROUGH OPENING
CONT.	= CONTINUOUS	MIN.	= MINIMUM	SDS.	= SELF-DRILLING SCREW
CLR.	= CLEARANCE	M.O.	= MASONRY OPENING	SIM.	= SIMILAR
DTL.	= DETAIL	NA.	= NOT APPLICABLE	TOT. FR.	= TOTAL FRAME
DM.	= DIMENSION	OC.	= ON CENTER	V.G.	= VISIBLE GLASS
EQ.	= EQUAL	OPG.	= OPENING	VIF.	= VERIFY IN FIELD
FWHS.	= FLAT HEAD WOOD SCREW	OPP.	= OPPOSITE	WO.	= WINDOW OPENING
FR.	= FRAME				

Hatch Patterns

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

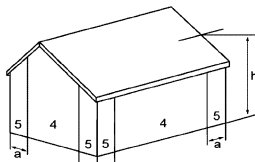
Symbols

	= 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 7-05 (IBC 2003, IBC 2006, IBC 2009)

Mean Roof Height (ft):	30	Building Length (ft):	NA
Design Wind Speed (MPH):	110	Building Width (ft):	NA
Exposure Category:	B	Edge Strip "a" (ft):	Verify
Building Classification/Occupant Category:	III		
Topographical Factor:	1		



Sq. ft. of opening	Zone 4		Zone 5	
	Pos	Neg	Pos	Neg
10	24.9	-27.2	24.9	-33.6
20	23.8	-26.1	23.8	-31.3
50	22.2	-24.6	22.2	-28.3
100	21.1	-23.4	21.1	-26.0
500	18.4	-20.7	18.4	-20.8

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.

Special Notes

CONFIRM THE FOLLOWING ITEMS ARE ACCEPTABLE WITH THE GENERAL CONTRACTOR AND PROJECT ARCHITECT:

- 1) INSTALLATION ACCESSORIES SUCH AS BLOCKING, SHIMS, FASTENERS, FLASHING TAPES, FLASHINGS, SEALANTS, INTERIOR TRIM OR FINISHES, AND WEATHER BARRIER ARE BY OTHERS UNLESS NOTED OTHERWISE.
- 2) FIELD VERIFY ALL DETAILS & DIMENSIONS
- 3) ARCHITECT TO VERIFY SAFETY GLAZING & EGRESS REQUIREMENT
- 4) 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.
- 5) 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.

INSTALLATION SHOP DRAWINGS FOR

HISD - MILBY HS

LOCATION: HOUSTON, TX

ARCHITECT: ----

ORIGINAL: 06/23/2016

DRAWN BY: MARK SCHAEFER

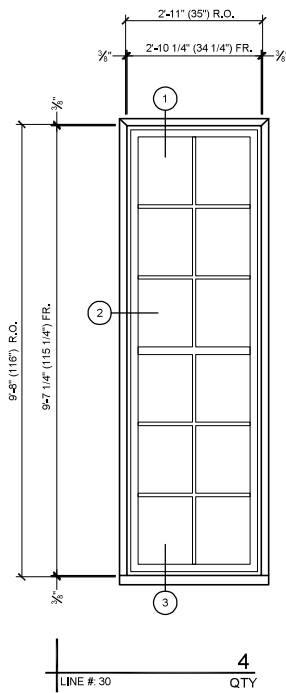
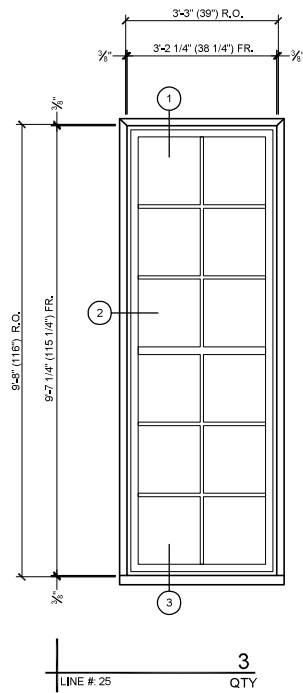
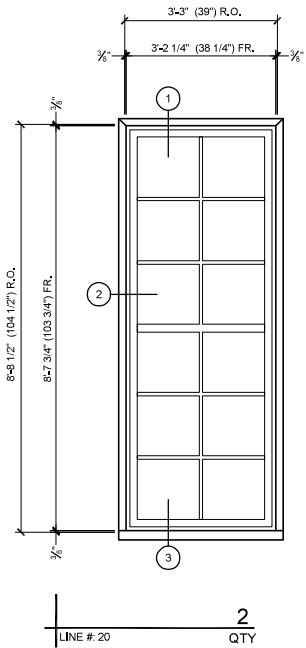
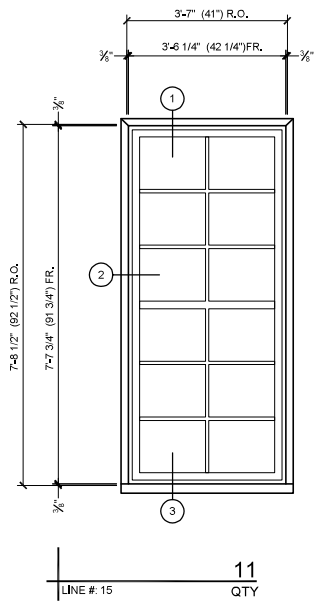
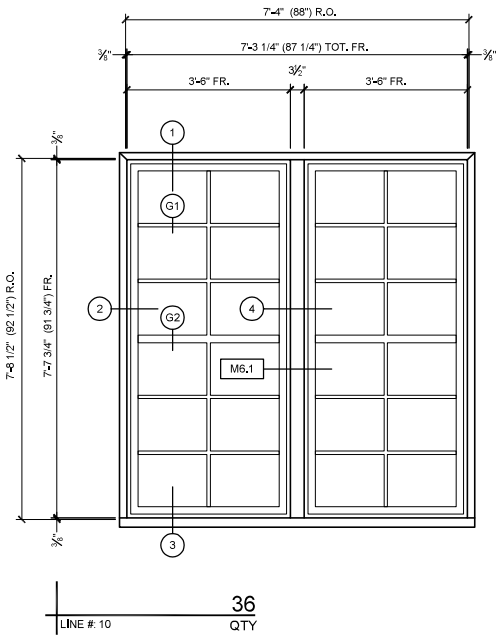
CHECKED BY: GDG

Project No.

143841.1

SHEET:

01 OF 04



SPECIFICATIONS

								NOTE: CUSTOM ATTRIBUTES (IF ANY) WILL BE NOTED UNDER THE ELEVATION LABEL				
Line #	Quote No.	Unit ID	Operation / Venting	Exterior Material Type	Wood Type	Exterior Paint Grade	Exterior Color	Interior Finish	Glazing Type	Glass Strength	Insulated Glass Options	Grille Application
10	7944157		Fixed	Clad	Pine	Standard Enduraclad	Iron Ore	Golden Oak Stain	Insulated	Annealed	Low-E	Integral Light Technology(R) Grilles
10	7944157		Fixed	Clad	Pine	Standard Enduraclad	Iron Ore	Golden Oak Stain	Insulated	Annealed	Low-E	Integral Light Technology(R) Grilles
15	7944157		Fixed	Clad	Pine	Standard Enduraclad	Iron Ore	Golden Oak Stain	Insulated	Annealed	Low-E	Integral Light Technology(R) Grilles
20	7944157		Fixed	Clad	Pine	Standard Enduraclad	Iron Ore	Golden Oak Stain	Insulated	Annealed	Low-E	Integral Light Technology(R) Grilles
25	7944157		Fixed	Clad	Pine	Standard Enduraclad	Iron Ore	Golden Oak Stain	Insulated	Annealed	Low-E	Integral Light Technology(R) Grilles
30	7944157		Fixed	Clad	Pine	Standard Enduraclad	Iron Ore	Golden Oak Stain	Insulated	Annealed	Low-E	Integral Light Technology(R) Grilles

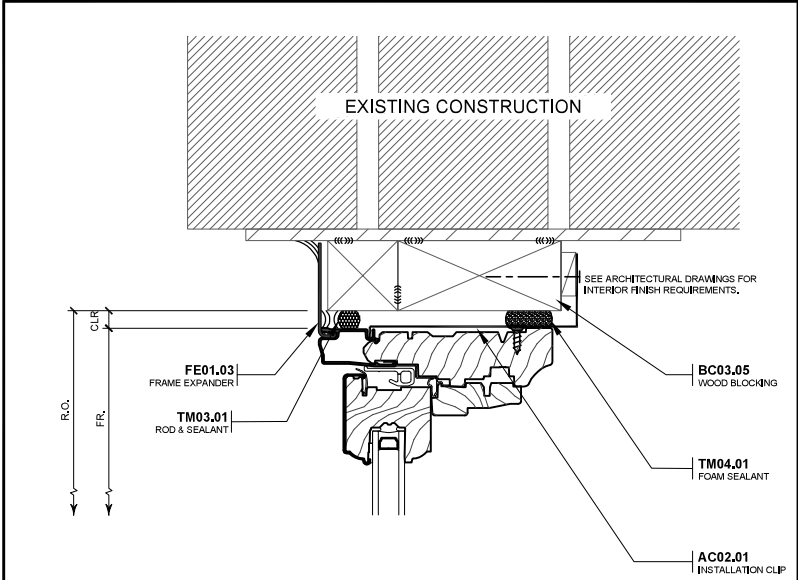
INSTALLATION SHOP DRAWINGS FOR

HISD - MILBY HS

LOCATION: HOUSTON, TX

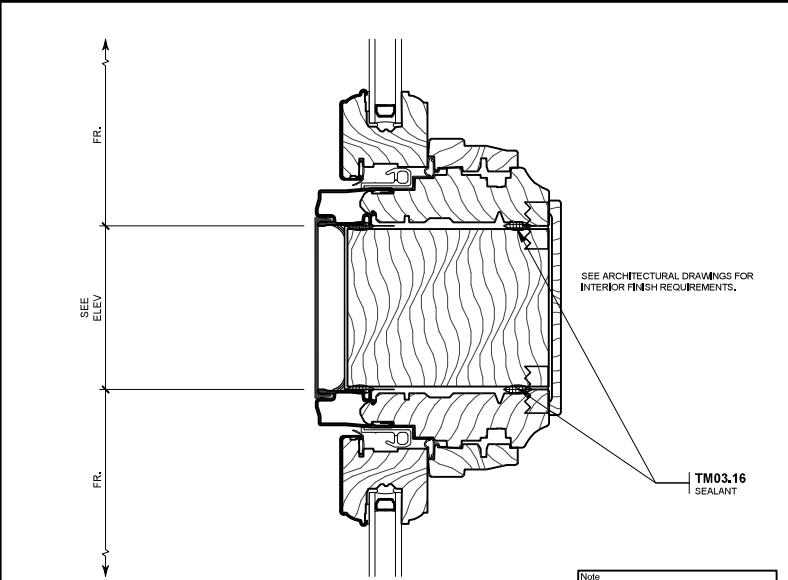
ARCHITECT: ----

ORIGINAL: 06/23/2016
DRAWN BY: MARK SCHAEFER
CHECKED BY: GDG
Project No. 143841.1
SHEET: 02 OF 04



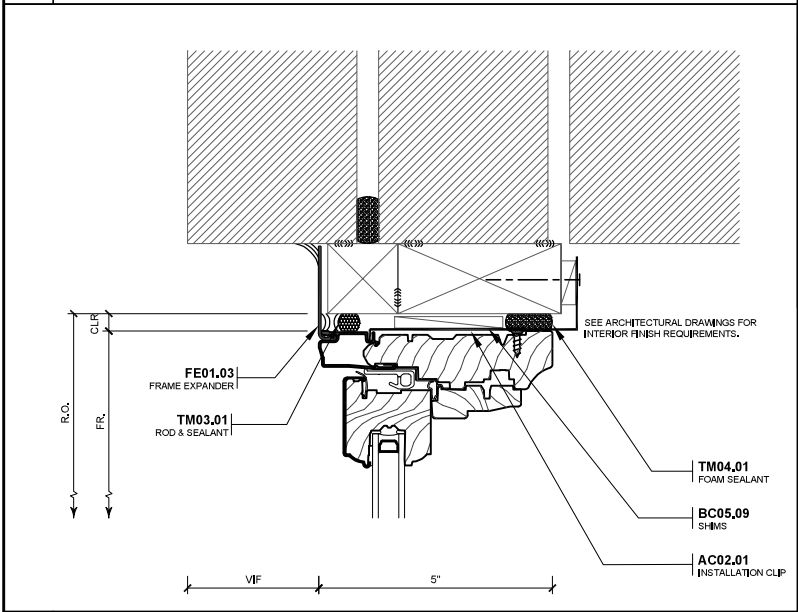
1 HEAD

REF, ARCH, DWG, -



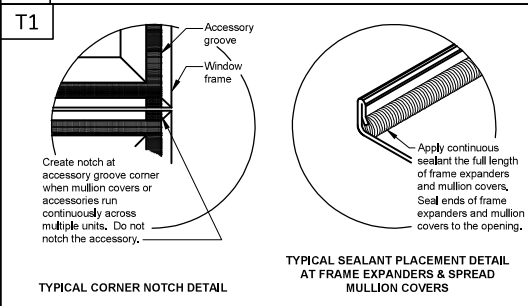
4 FACTORY MULLION

REF, ARCH, DWG, -



2 JAMB

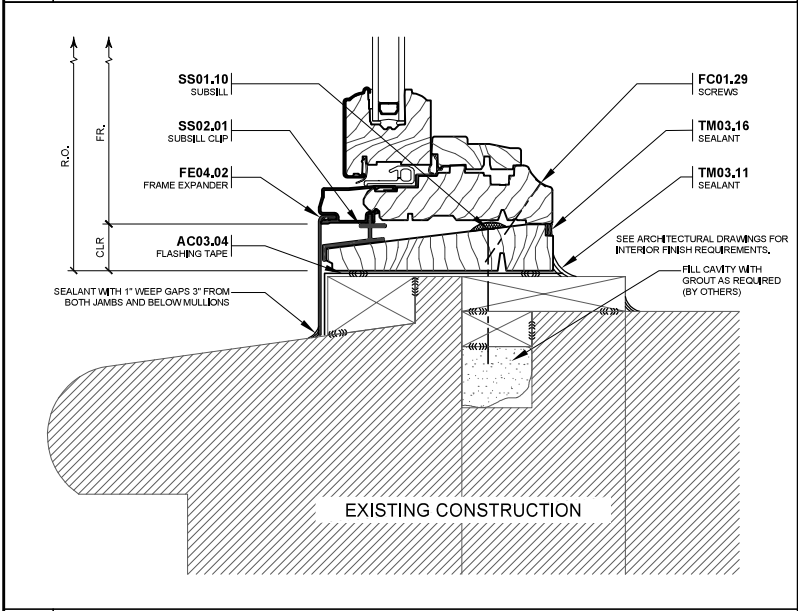
REF, ARCH, DWG, -



TYPICAL CORNER NOTCH DETAIL

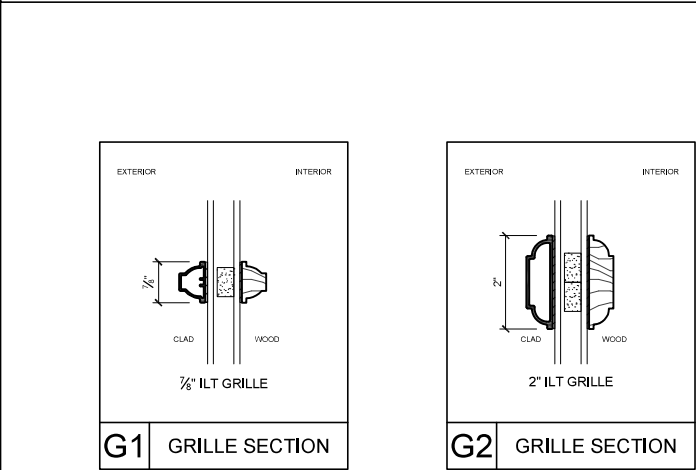
TYPICAL SEALANT PLACEMENT DETAIL AT FRAME EXPANDERS & SPREAD MULLION COVERS

TRIM ACCESSORIES TYPICAL DETAILS



3 SILL

REF, ARCH, DWG, -



G1 GRILLE SECTION

G2 GRILLE SECTION

DETAIL KEYNOTES

AC : ATTACHMENT COMPONENTS

AC02.01 INSTALLATION CLIP: FIELD CUT AND BEND AS REQUIRED. ANCHOR TO UNIT WITH (2) #8 X 5/8" SCREWS. ANCHOR (2 PER CLIP) TO WALL CONSTRUCTION. (BASED ON MATERIAL CLIPS WILL BE ATTACHED TO): WOOD: #8 X 1-1/4" CORROSION RESISTANT PAN HEAD SCREW. STEEL STUD: #7 X 7/16" ZINC SELF-DRILLING PAN FRAMING SCREW. STEEL PLATE: #12-24 X 1-1/4" CORROSION RESISTANT SELF-DRILLING #4.5 PT. HEX WASHER HEAD SCREW. CONCRETE, BLOCK / BRICK: 1/4" X 3/4" CORROSION RESISTANT HEX WASHER HEAD MASONRY SCREW.

BC : BUILDING COMPONENTS (BY OTHERS)

BC03.05 CONTINUOUS WOOD BLOCKING. SEAL AND ANCHOR SECURELY TO WALL CONSTRUCTION. BC05.09 SHIM AND PLUMB UNITS AS PER INSTALLATION INSTRUCTIONS. (DO NOT OVER SHIM)

FC : FASTENING COMPONENTS

FC01.29 ANCHOR WINDOW SILL TO TOP OF SUBSILL AT 4" FROM JAMBS AND 16" ON CENTER MAXIMUM WITH CORROSION RESISTANT TRIM HEAD SCREWS PER BELOW. CABINET AND DOUBLE GLAZING - #8 X 2". CLAD FIXED FRAME - #8 X 1-1/2".

FE : FRAME EXPANDERS / RECEPTORS

FE01.03 FRAME EXPANDER. FIELD TRIM AS REQUIRED. SEE TYPICAL DETAIL T1. FE04.02 1" FRAME EXPANDER. DO NOT SEAL BOTTOM EDGE TO WALL CONSTRUCTION. RETURN FRAME EXPANDER AT ENDS 1.25" TO COVER ENDS OF SUBSILL.

SS : SUBSILL / SILL PANS

SS01.10 CLAD WOOD SUBSILL. CUT TO TOTAL FRAME WIDTH. LEVEL AS REQUIRED FRONT TO BACK AND END TO END. SEAL AND ANCHOR SECURELY TO OPENING SILL WITH CORROSION RESISTANT SCREWS AT 3" FROM ENDS AND 16" ON CENTER MAXIMUM. SEE TYPICAL DETAIL C01. SEAL HEAD OF ALL SCREW PENETRATIONS. ALL JOINTS IN THE SUBSILL MUST BE SEALED. SS02.01 CLIP. PLACE 2" FROM JAMBS / MULLIONS AND 16" ON CENTER (MAXIMUM).

TM : THERMAL AND MOISTURE PROTECTION

TM03.01 WATER RESISTANT BACKER ROD AND SEALANT. TM03.11 CONTINUOUS SEALANT. TURN UP AT JAMBS 8" MINIMUM. TM03.16 CONTINUOUS SEALANT. TIE IN WITH PERIMETER SEALANT. TM04.01 APPLY CONTINUOUS 1" BEAD OF LOW EXPANSION, POLYURETHANE, INSULATING FOAM SEALANT MEETING THE REQUIREMENTS OF AAMA812 - DO NOT USE HIGH PRESSURE OR LATEX FOAMS TO CREATE FULL INTERIOR SEAL.

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.

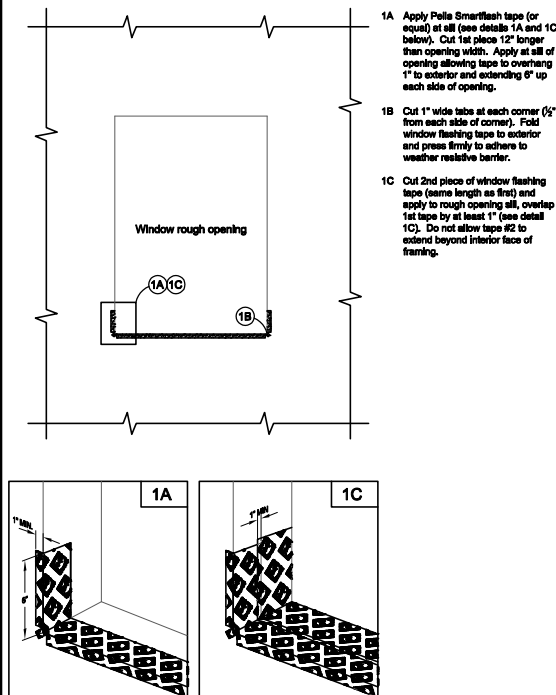
REV.	DATE	DATE	DATE	DATE	DATE	DATE	DATE
1							
2							
3							
4							
5							
6							

Clip Installation Sequence

For Clad Wood Products and Clad Wood Subsill w/o Weather Barrier

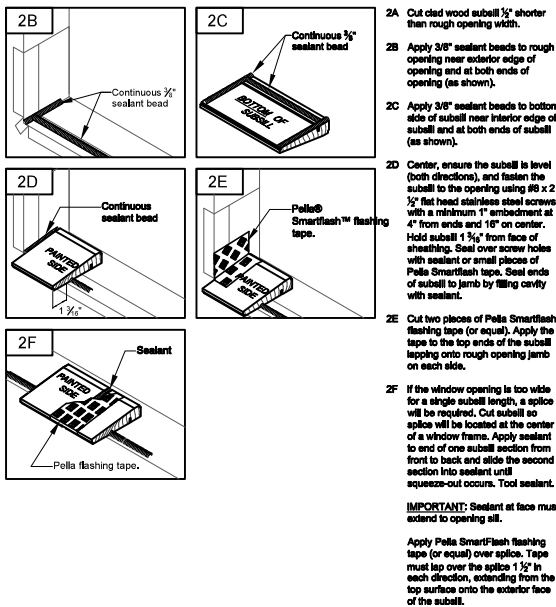
STEP 1

Application of window flashing tape at sill



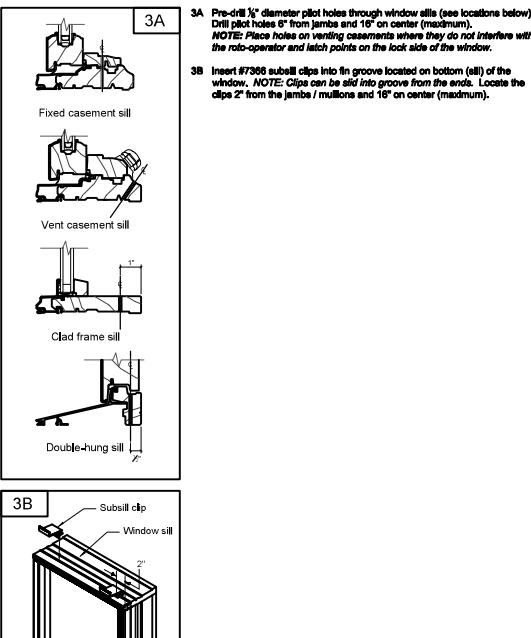
STEP 2

Install and seal Pella clad wood Subsill



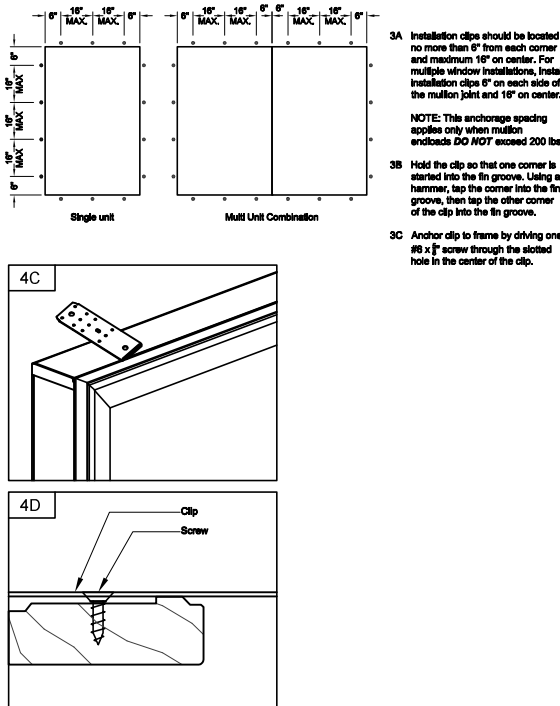
STEP 3

Window preparation



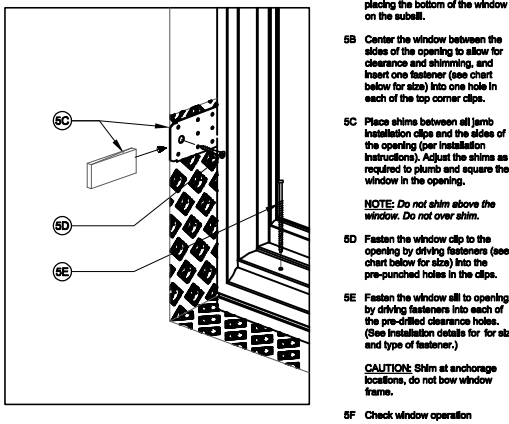
STEP 4

Prepare the window for installation



STEP 5

Placing and fastening clips to rough opening (Head and Jamb only)



Window Clip Fasteners	
Substrate Type	Fastener Type
Wood	#6 x 1 1/2" corrosion resistant pan head screw
Steel Stud	#7 x 1/8" zinc self-drilling pan framing screw
Steel Plate	#12-24 x 1 1/2" corrosion resistant self-drilling #4,5 pt Hex washer head screw
Concrete, Block / Brick	1/4" x 1 1/2" corrosion resistant hex washer head masonry screw

INSTALLATION SHOP DRAWINGS FOR

HISD - MILBY HS

LOCATION: HOUSTON, TX

ARCHITECT: ----

ORIGINAL: 06/23/2016

DRAWN BY: MARK SCHAEFER

CHECKED BY: GDG

Project No.

143841.1

SHEET:

04 OF 04