

**CERTIFICATE OF APPROPRIATENESS**

**Applicant:** David Bucek, Stern and Bucek Architects, for Glen Rosenbaum, owner

**Property:** 5219 S Braeswood Blvd, Lot 10, Block 24, Meyerland Sec 8 R/P I Subdivision. The property includes a historic 4,544 square foot, one-story wood frame single-family residence with a two-story addition situated on a 15,370 square foot (106' x 145') interior lot.

**Significance:** The Max & Helen Rosenbaum House is a City of Houston Landmark designated in December 2016. The Contemporary-style one-story historic residence was constructed circa 1964. Max and Helen Rosenbaum were European immigrants who fled the atrocities of the Nazis and built a family-owned clothing business in Houston. The house was designed by architect Arthur D. Steinberg, AIA, who designed several other distinguished modern houses in Meyerland.

**Proposal:** Alteration – Windows, doors, structural elements

- The **removal and reinstallation of the cladding exterior brick** and siding for replacement of existing gyp. board sheathing with concrete board sheathing.
- The installation of (4) exterior flood barrier systems that are to be less than 3 feet above the finish floor. The channels (a.k.a. jams) are to be permanent, while individual panels will be deployed between the channels prior to inclement weather. No flood barrier systems are to be installed at any of the window locations.
- Exterior rear non-original (Doors D1, D3 and D4) are to be replaced with manufactured Pedestrian Flood Doors. No flood barrier systems are to be installed at any of these doors. Not visible from the street.
- The replacement of 15 non-original aluminum windows (C.2014 renovation) with **custom stainless-steel** windows designed to better withstand potential storm debris from flood water. The new windows will match the same frame size, shape, lite pattern and location of the existing openings they are replacing. The existing window openings will remain (A2-A3, B1-B4 and B10-B18)
- The replacement of 3 non-original exterior doors with manufactured flood doors by PS Doors, painted to match existing.

The applicant is submitting a revision to the previous approvals to replace 15 non-original aluminum windows with custom stainless-steel flood windows and 3 non-original doors with manufactured flood doors. This will greatly reduce the number of flood barrier systems.

- COA HAHC approved on January 25, 2018, HPO file no. 180120 (flood proof)
- COA AA approved on June 13, 2018, HPO file no. 180615. (windows)
- COA AA approved December 26,2019 HPO1019\_0407 (windows)

**Public Comment:** No public comment received.

**Civic Association:** No comment received.

**Recommendation:** Approval

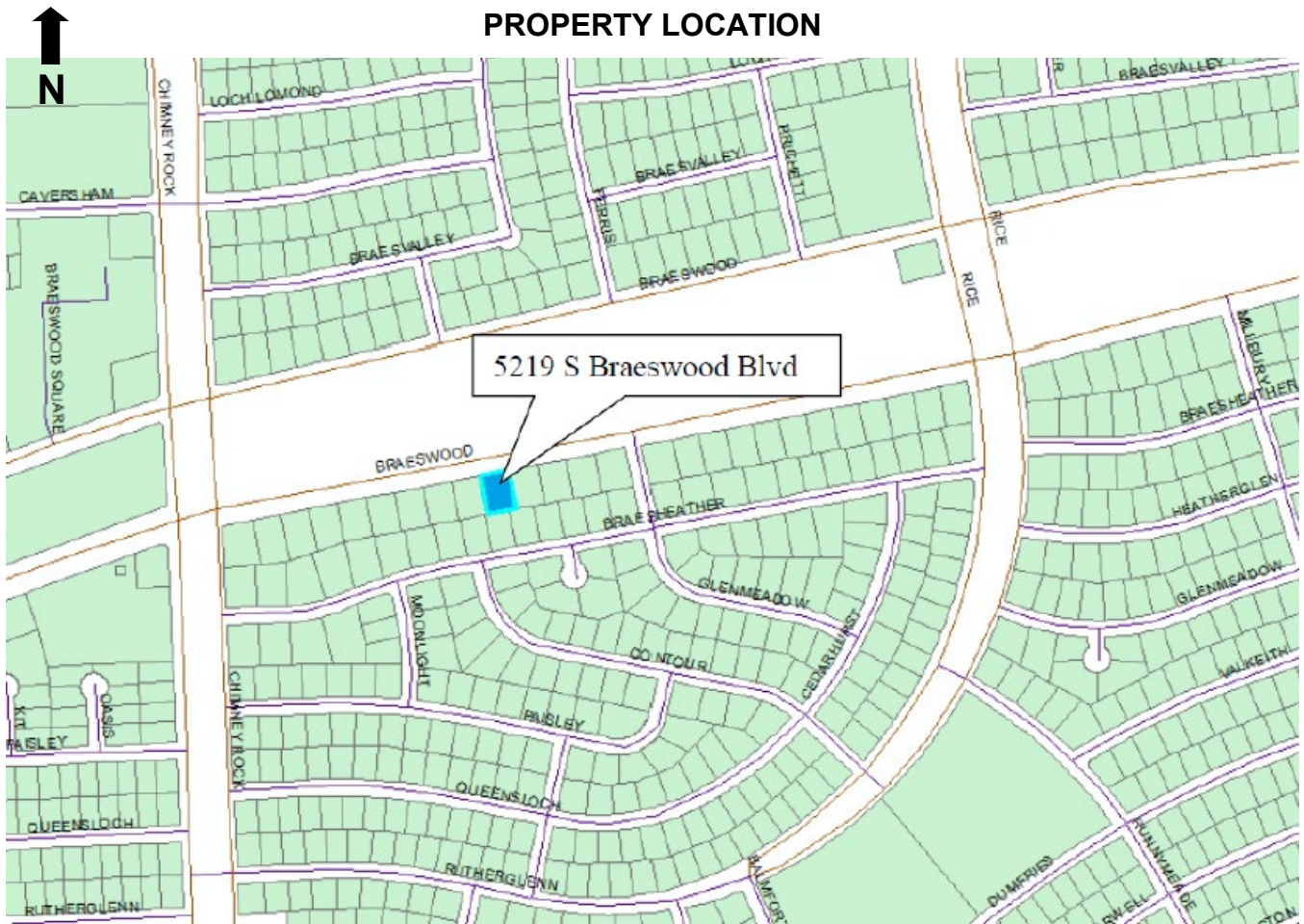
**HAHC Action:** -

**APPROVAL CRITERIA**

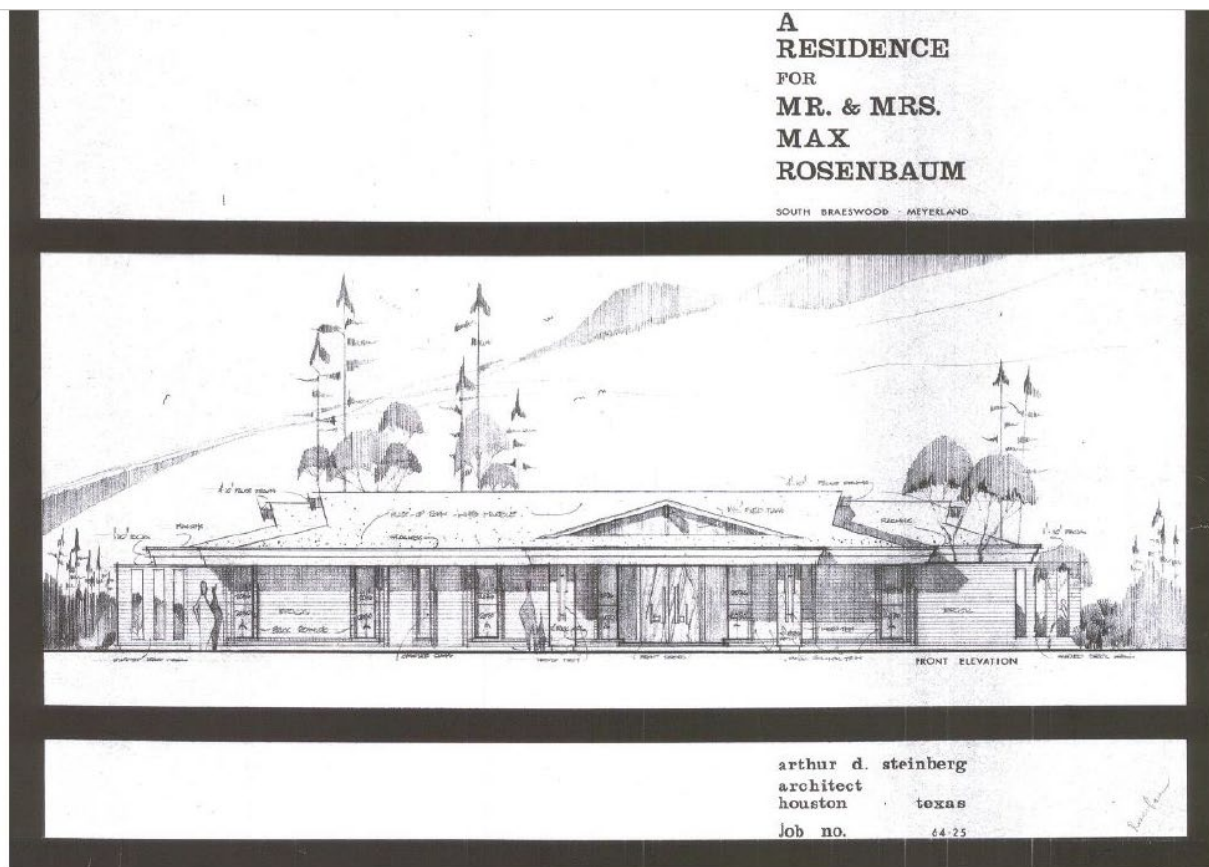
**ALTERATIONS, REHABILITATIONS, RESTORATIONS AND ADDITIONS**

Sec. 33-241: HAHC shall issue a certificate of appropriateness for the alteration, rehabilitation, restoration or addition of an exterior feature of (i) any landmark, (ii) protected landmark, (iii) any building, structure or object that is part of an archaeological site, or (iv) contributing building in a historic district upon finding that the application satisfies the following criteria, as applicable:

- | <b>S</b>                            | <b>D</b>                 | <b>NA</b>                           | <b>S - satisfies</b> | <b>D - does not satisfy</b>   | <b>NA - not applicable</b> |
|-------------------------------------|--------------------------|-------------------------------------|----------------------|---|----------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (1)                  | The proposed activity must retain and preserve the historical character of the property;  |                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (2)                  | The proposed activity must contribute to the continued availability of the property for a contemporary use;   |                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (3)                  | The proposed activity must recognize the building, structure, object or site as a product of its own time and avoid alterations that seek to create an earlier or later appearance;   |                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (4)                  | The proposed activity must preserve the distinguishing qualities or character of the building, structure, object or site and its environment;   |                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (5)                  | The proposed activity must maintain or replicate distinctive stylistic exterior features or examples of skilled craftsmanship that characterize the building, structure, object or site;  |                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (6)                  | New materials to be used for any exterior feature excluding what is visible from public alleys must be visually compatible with, but not necessarily the same as, the materials being replaced in form, design, texture, dimension and scale;   |                            |
| <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | (7)                  | The proposed replacement of missing exterior features, if any, should be based on an accurate duplication of features, substantiated by available historical, physical or pictorial evidence, where that evidence is available, rather than on conjectural designs or the availability of different architectural elements from other structures; |                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (8)                  | Proposed additions or alterations must be done in a manner that, if removed in the future, would leave unimpaired the essential form and integrity of the building, structure, object or site;  |                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (9)                  | The proposed design for any exterior alterations or addition must not destroy significant historical, architectural, archaeological or cultural material, including but not limited to siding, windows, doors and porch elements;   |                            |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | (10)                 | The proposed alteration or addition must be compatible with the massing, size, scale material and character of the property and the context area; and   |                            |
| <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | (11)                 | The distance from the property line to the front and side walls, porches, and exterior features of any proposed addition or alteration must be compatible with the distance to the property line of similar elements of existing contributing structures in the context area.   |                            |



**HISTORIC REFERENCE IMAGE & INVENTORY PHOTO C. 2014**



Max & Helen Rosenbaum House.  
Architect's rendering (1964). Courtesy of Glen Rosenbaum.



Max & Helen Rosenbaum House. Arthur D. Steinberg, architect (1963-1964).  
5219 South Braeswood Boulevard, Houston, Harris County, Texas 77096.  
North façade looking southwest. Photo by Hester + Hardaway (2014).

**CURRENT PHOTO/WINDOW KEY**  
**(REPLACEMENT VINYL WINDOWS)**



**01 - Front (north) elevation, showing windows B14~B11, and B07**

**CURRENT PHOTO/WINDOW KEY**



**02 - Front Entry at North Elevation – showing typical brick and wood cladding conditions of windows B04~B10**



**03 – Front (north) and West (side) elevations, showing windows A01, B03 and B04**

**CURRENT PHOTO/WINDOW KEY**



**04** – West (side) partial elevation at front of house, showing window unit B02



**05** – West (side) partial elevation at addition at rear of house, showing window A02

**CURRENT PHOTO/WINDOW KEY**



**06** – South (rear) elevation at addition, showing window A03



**07** – South (rear) elevation at original house and East (side) elevation at rear addition, showing windows A03 and B18



**CURRENT PHOTO/WINDOW KEY**



**08** – South (rear) partial elevation, showing windows B16 and B17



**09** – Front Entry at North Elevation – showing typical brick and wood cladding conditions of windows B04~B10

**CURRENT PHOTO/WINDOW KEY**



**10** – Rear Courtyard, facing North towards backyard – showing typical window conditions of B16 and B18



**11** – South (rear) Elevation detail at Master Bedroom – showing typical brick conditions at slider

**CURRENT PHOTO/WINDOW KEY**



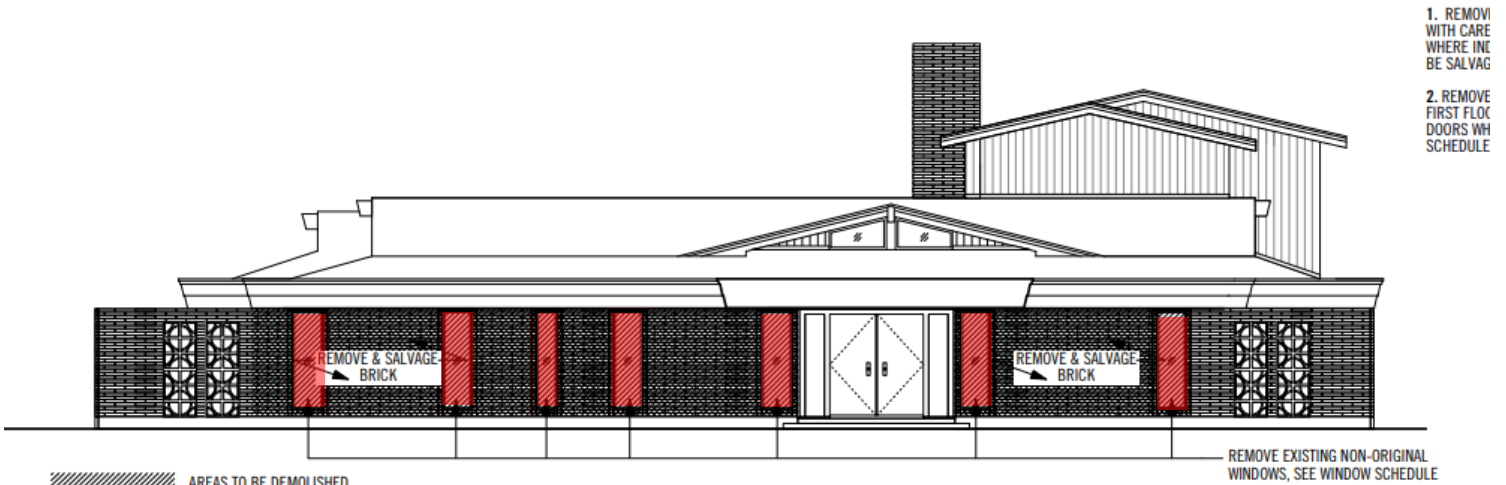
12: Back (south) elevation, locations of windows B16-B18 in rear courtyard.



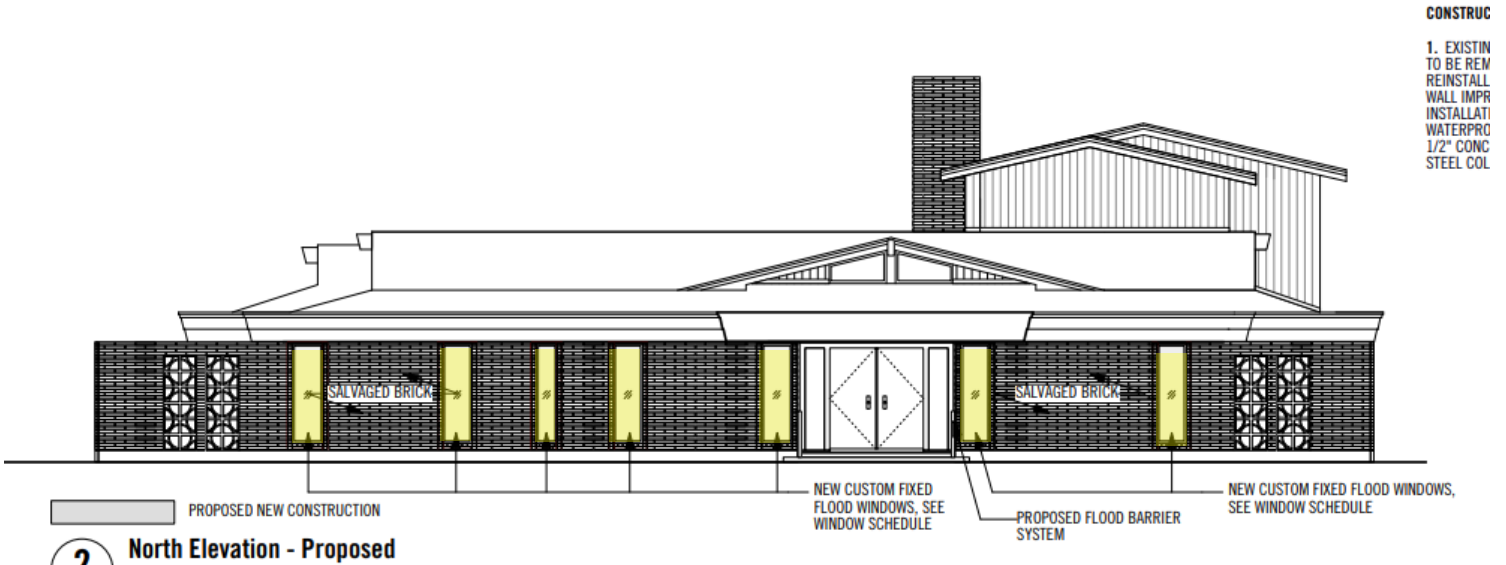
13 – West (side) elevation at side of house, showing window unit B01



FRONT ELEVATION

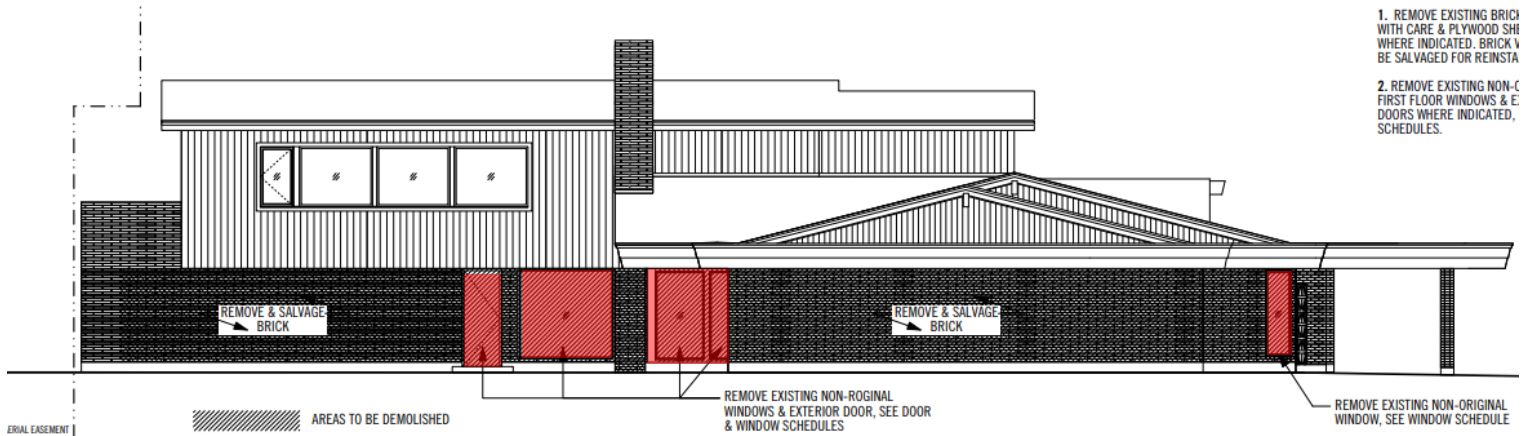


**1** North Elevation - Existing  
Scale: 1/8" = 1'-0"



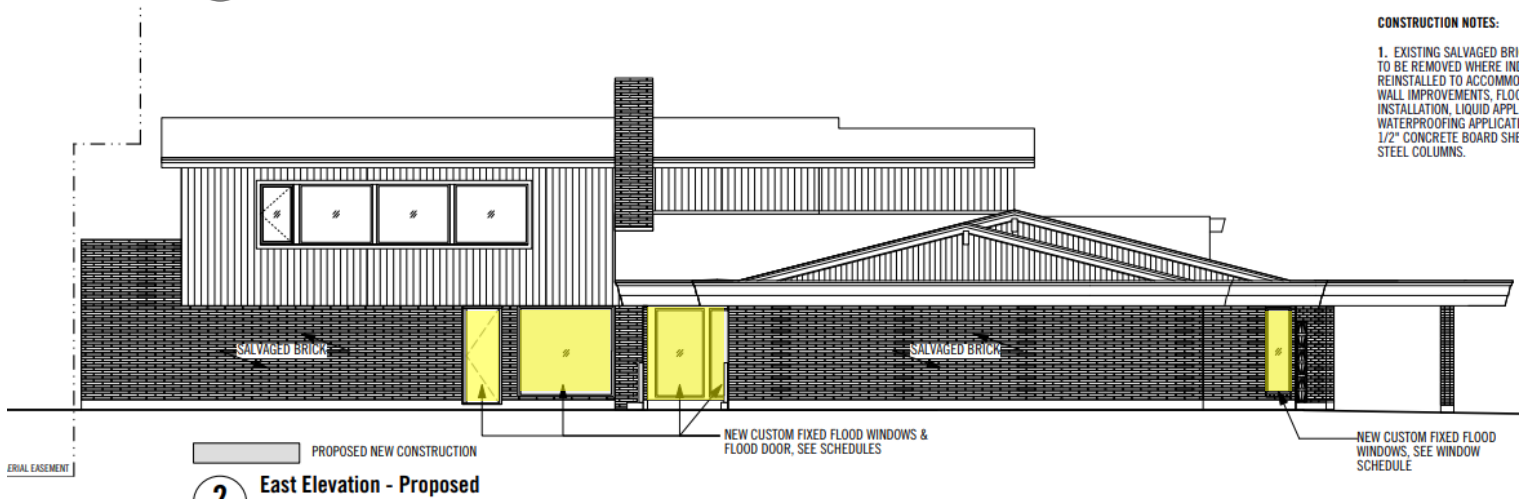
**2** North Elevation - Proposed

SIDE ELEVATION



1. REMOVE EXISTING BRICK WITH CARE & PLYWOOD SHEET WHERE INDICATED. BRICK TO BE SALVAGED FOR REINSTALLATION.
2. REMOVE EXISTING NON-ORIGINAL FIRST FLOOR WINDOWS & EXTERIOR DOORS WHERE INDICATED. SEE SCHEDULES.

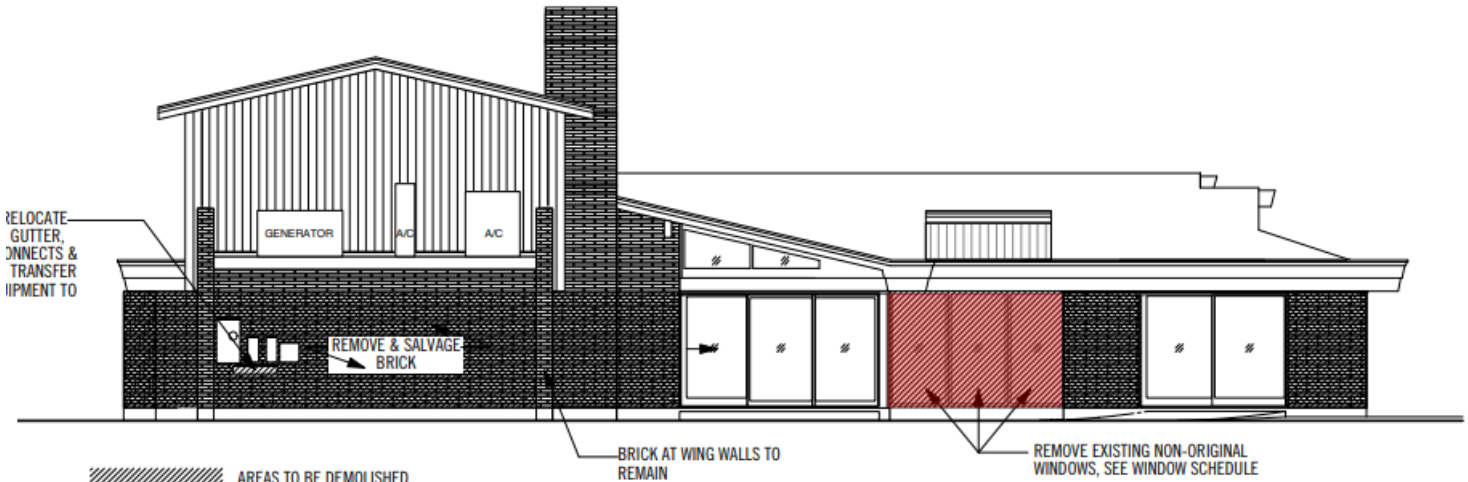
**1 East Elevation - Existing**  
Scale: 1/8" = 1'-0"



- CONSTRUCTION NOTES:**
1. EXISTING SALVAGED BRICK TO BE REMOVED WHERE INDICATED & REINSTALLED TO ACCOMMODATE WALL IMPROVEMENTS, FLOOD INSTALLATION, LIQUID APPLIED WATERPROOFING APPLICATION, 1/2" CONCRETE BOARD SHEET & STEEL COLUMNS.

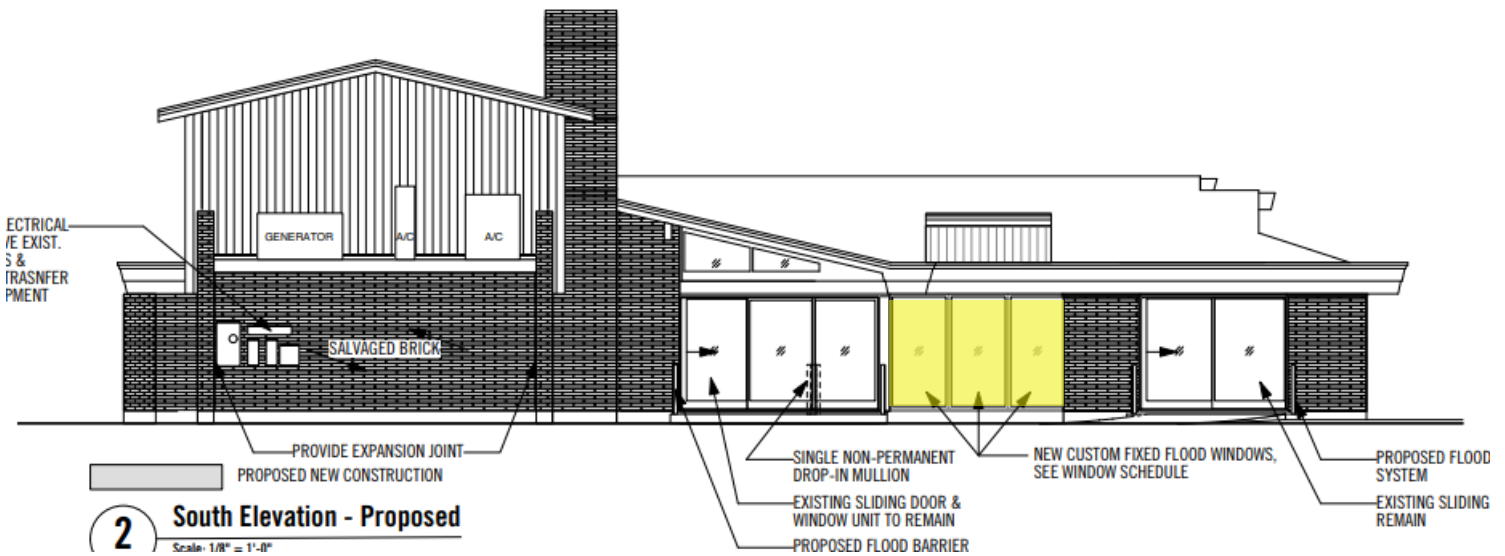
**2 East Elevation - Proposed**

SIDE ELEVATION



AREAS TO BE DEMOLISHED

1 South Elevation - Existing  
Scale: 1/8" = 1'-0"

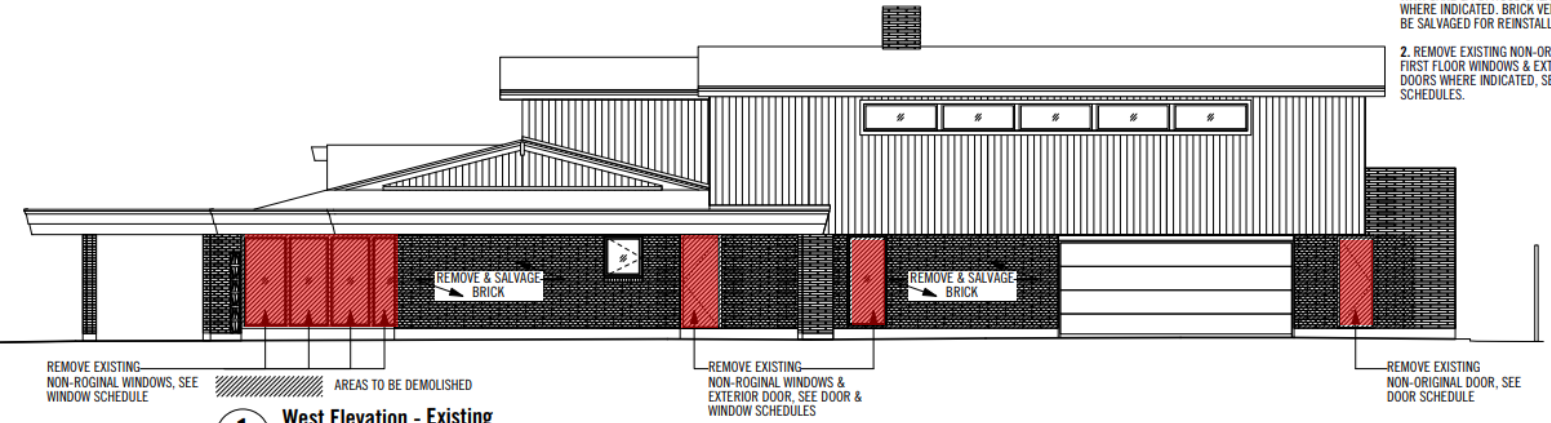


2 South Elevation - Proposed  
Scale: 1/8" = 1'-0"

REAR ELEVATION

DEMOLITION NOTES:

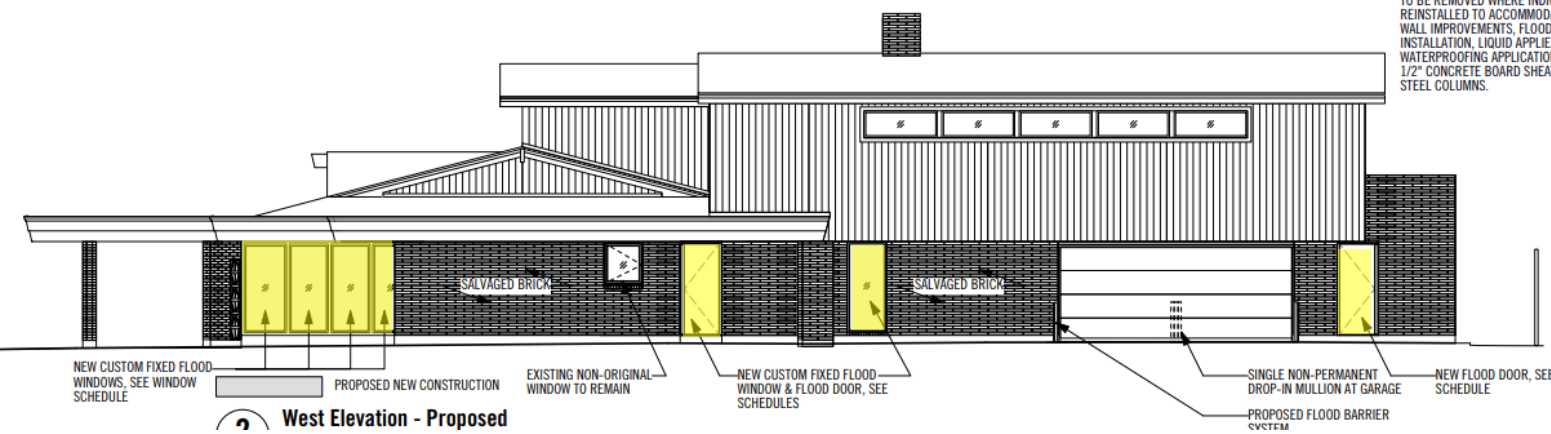
- 1. REMOVE EXISTING BRICK WITH CARE & PLYWOOD SHEA WHERE INDICATED. BRICK VEI BE SALVAGED FOR REINSTALL
- 2. REMOVE EXISTING NON-OR FIRST FLOOR WINDOWS & EXT DOORS WHERE INDICATED, SE SCHEDULES.



1 West Elevation - Existing  
Scale: 1/8" = 1'-0"

CONSTRUCTION NOTES:

- 1. EXISTING SALVAGED BRICK TO BE REMOVED WHERE INDICATED & REINSTALLED TO ACCOMMODATE WALL IMPROVEMENTS, FLOOD INSTALLATION, LIQUID APPLIED WATERPROOFING APPLICATION, 1/2" CONCRETE BOARD SHEA STEEL COLUMNS.



2 West Elevation - Proposed



## REPLACEMENT DOORS



### PEDESTRIAN FLOOD DOOR (PD-520)

#### EXCEPTIONAL FLOOD PROTECTION FROM A PEDESTRIAN DOOR

The Pedestrian Flood Door from PS Flood Barriers™ is one of the most progressive products in the flood-protection market, serving as both a flood-protection barrier and a normal-use pedestrian door. Our Pedestrian Flood Doors provide simple yet effective passive flood protection: as long as the door is closed and latched, your building is protected from flooding.

#### PROTECT AGAINST FLOODING WITHOUT WORRYING ABOUT FLOODING

- Pedestrian Flood Doors are always in place, giving you constant flood protection while still allowing access to your facility
- Unmatched flood protection with no human intervention required
- Can be fitted with standard panic hardware or an electric lever to use with a card reader

#### ENGINEERED TO PERFORM AND PROTECT

- Designed and tested to meet FM standards
- Available in mild steel, stainless steel and aluminum construction
- Compression sealed (requires no compressed air for activation)

#### UNIQUE DOORS FOR YOUR UNIQUE NEEDS

- 100% customizable
- Pre-hung door and frame package available for easy installation at retrofit
- Windows and other design options available depending on water protection height requirements
- Available in single and paired configurations
- Ships ready to install



**WINDOW RENOVATION FROM ARCHITECTURE FIRM:**

Hi Amanda,

The current aluminum windows on the house are by Ram Industries. The fixed windows are the Series 800 Heavy Picture windows, and the operable egress windows are the Series 900 Casement windows.

The current aluminum Ram windows replaced all the original metal windows when the home was remodeled and added an addition in 2014 by our firm. None of the original windows are still on the house.

As mentioned in the narrative, the home sadly has flooded 3 times since the 2014 remodel and repairs were made by the client. However the current non-original aluminum windows are still in place.

I have attached a close up photo that shows the typical metal frame of the fixed aluminum windows. This is also drawn on Elevation 1 and Plan Section 2 on page CoA-11 of the Drawings submission.

We have not begun any construction on the house pertaining to this flood proofing in place remodel. So the current, non-original Ram aluminum windows are still there.



Courtney Chinn

Stern and Bucek Architects

FIRST FLOOR PROPOSED WINDOW SCHEDULE						
WINDOW	TYPE	LOCATION	WIDTH	HEIGHT	DESCRIPTION	NOTES
A1		LAUNDRY				EXIST. TO REMAIN
A2	A	FAMILY ROOM	*36"	*79"	CUSTOM FIXED FLOOD WINDOW	NEW
A3	A	FAMILY ROOM	*80 1/2"	*79"	CUSTOM FIXED FLOOD WINDOW	NEW
B1	C	BREAKFAST ROOM	*51 3/4"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B2	E	DINING ROOM	*34 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B3	B	DINING ROOM	*23 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B4	B	DINING ROOM	*23 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B5		DINING ROOM				EXIST. EGRESS TO REMAIN
B6		ENTRY				EXIST. TO REMAIN
B7	N/A					
B8		ENTRY				EXIST. TO REMAIN
B9		BEDROOM 1				EXIST. EGRESS TO REMAIN
B10	B	BEDROOM 1	*23 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B11	B	BEDROOM 1	*23 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B12	B	BATHROOM 1	*17 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B13	B	MASTER BATH	*23 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B14	B	MASTER BATH	*23 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B15	B	MASTER BATH	*23 1/2"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B16	D	MASTER BEDROOM	*44 7/8"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B17	D	STUDY	*39 5/8"	*76 3/4"	CUSTOM FIXED FLOOD WINDOW	NEW
B18	F	LIVING ROOM	*44 7/8"	*79"	CUSTOM FIXED FLOOD WINDOW	NEW

**NOTES:**  
 \* SIZES ARE TO BE VERIFIED.

1. MANUFACTURER TO FIELD VERIFY ALL NEW CUSTOM FIXED FLOOD WINDOW SIZES AND REQUIRED ROUGH OPENINGS AND TO PRODUCE WINDOW SHOP DRAWINGS TO BE REVIEWED AND APPROVED BY ARCHITECT PRIOR TO PRODUCTION.
2. TEMPERED GLAZING SHALL BE USED AT ALL NEW CUSTOM FIXED FLOOD WINDOW UNITS AS DEFINED IN IRC 2015 SEC. 308.4.
3. THE PROPORTIONS OF THE NEW CUSTOM FIXED FLOOD WINDOWS ARE TO MATCH THE EXISTING ALUMINUM NON-ORIGINAL WINDOWS.
4. EXISTING EGRESS WINDOWS ARE TO REMAIN.
5. NEW CUSTOM FIXED FLOOD WINDOW UNITS SHALL MEET THE MIN. REQUIREMENTS FOR CLIMATE ZONE 2 PER IECC TABLE R402.1.2: GLAZING FENESTRATION SHGC SHALL BE .25 MAX. & U-FACTOR SHALL BE .40 MAX.
6. NEW CUSTOM FIXED FLOOD WINDOW UNITS ARE TO HAVE 1 5/16" INSULATED & LAMINATED GLASS.

**1 Proposed Window Schedule**

FIRST FLOOR EXISTING WINDOW SCHEDULE								
WINDOW	MATERIAL	LT. PATTERN	STYLE	PHOTO	DIMENSIONS	RECESSED/INSET	ORIGINAL/REPLACEMENT	EXISTING TO REMAIN
A1	ALUMINUM	1	PICTURE	3	33 1/2" X 36"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
A2	ALUMINUM	1	PICTURE	5	36" X 79"	RECESSED	REPLACEMENT	TO BE REMOVED
A3	ALUMINUM	1	PICTURE	6, 7	80 1/2" X 79"	RECESSED	REPLACEMENT	TO BE REMOVED
B1	ALUMINUM	1	PICTURE	13	51 3/4" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B2	ALUMINUM	1	PICTURE	4	34 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B3	ALUMINUM	1	PICTURE	3	23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B4	ALUMINUM	1	PICTURE	2, 3, 9	23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B5	ALUMINUM	1	CASEMENT	2, 9	26 1/2" X 76 3/4"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B6	ALUMINUM	1	PICTURE	2, 9	15" X 81"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B7	ALUMINUM	1	PICTURE	1	26" X 56 1/2"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B8	ALUMINUM	1	PICTURE	2, 9	15" X 81"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B9	ALUMINUM	1	CASEMENT	2, 9	26 1/2" X 76 3/4"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B10	ALUMINUM	1	PICTURE	2, 9	23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B11	ALUMINUM	1	PICTURE	1	23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B12	ALUMINUM	1	PICTURE	1	17 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B13	ALUMINUM	1	PICTURE	1	23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B14	ALUMINUM	1	PICTURE	1	23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B15	ALUMINUM	1	PICTURE	14	23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B16	ALUMINUM	1	PICTURE	8, 10	44 7/8" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B17	ALUMINUM	1	PICTURE	8, 12	39 5/8" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B18	ALUMINUM	1	PICTURE	7, 10, 12	44 7/8" X 79"	RECESSED	REPLACEMENT	TO BE REMOVED

**NOTE:** ALL EXISTING WINDOWS ARE NEW. NO ORIGINAL WINDOWS REMAIN ON THE RESIDENCE.

DAMAGE TO EXISTING WINDOWS
ALL EXISTING NON-ORIGINAL WINDOWS THAT ARE TO BE REPLACED ARE IN GOOD CURRENT CONDITION. <b>THERE IS NO VISIBLE DAMAGE TO THE EXISTING WINDOWS.</b>

FIRST FLOOR PROPOSED WINDOW SCHEDULE								
WINDOW	MATERIAL	LT. PATTERN	STYLE		DIMENSIONS	RECESSED/INSET	ORIGINAL/REPLACEMENT	EXISTING TO REMAIN
A1	ALUMINUM	1	PICTURE		33 1/2" X 36"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
A2	STAINLESS STEEL	1	PICTURE		36" X 79"	RECESSED	REPLACEMENT	TO BE REMOVED
A3	STAINLESS STEEL	1	PICTURE		80 1/2" X 79"	RECESSED	REPLACEMENT	TO BE REMOVED
B1	STAINLESS STEEL	1	PICTURE		51 3/4" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B2	STAINLESS STEEL	1	PICTURE		34 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B3	STAINLESS STEEL	1	PICTURE		23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B4	STAINLESS STEEL	1	PICTURE		23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B5	ALUMINUM	1	CASEMENT		26 1/2" X 76 3/4"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B6	ALUMINUM	1	PICTURE		15" X 81"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B7	ALUMINUM	1	PICTURE		26" X 56 1/2"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B8	ALUMINUM	1	PICTURE		15" X 81"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B9	ALUMINUM	1	CASEMENT		26 1/2" X 76 3/4"	RECESSED	REPLACEMENT	EXIST. TO REMAIN
B10	STAINLESS STEEL	1	PICTURE		23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B11	STAINLESS STEEL	1	PICTURE		23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B12	STAINLESS STEEL	1	PICTURE		17 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B13	STAINLESS STEEL	1	PICTURE		23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B14	STAINLESS STEEL	1	PICTURE		23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B15	STAINLESS STEEL	1	PICTURE		23 1/2" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B16	STAINLESS STEEL	1	PICTURE		44 7/8" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B17	STAINLESS STEEL	1	PICTURE		39 5/8" X 76 3/4"	RECESSED	REPLACEMENT	TO BE REMOVED
B18	STAINLESS STEEL	1	PICTURE		44 7/8" X 79"	RECESSED	REPLACEMENT	TO BE REMOVED

<b>CoA-18</b>	<b>Windows Worksheet</b>	<b>Rosenbaum Residence - Flood Mitigation</b>	Architect: <b>Stern and Bucek Architects</b>
		5219 S. Braeswood Houston, Texas 77096  Issued for Certificate of Appropriateness (2022-09-19)	1610 Commerce Street Houston, Texas 77002

### FLOOD PROTECTIONS





**PS Flood Barriers™**  
Solutions That Hold Water



**HYDRODEFENSE™**  
FLOOD PLANK




**HYDRODEFENSE™ FLOOD PLANK (FP-530)**  
FOR RELIABLE FLOOD PROTECTION, THE BEST DEFENSE IS HYDRODEFENSE™

The HydroDefense™ Flood Plank system is the most reliable way to protect openings like walk doors, retaining walls, driveways and storefronts from the advance of floodwater. Our flood planks, also known as stop logs, are easily deployed by stacking them on top of one another, creating a watertight barrier in front of your opening. Unlike permanent protection structures, HydroDefense Flood Planks are stored away from your opening, making them the ideal solution when you need protection in place only at the time of flooding.

**EFFECTIVE AT STOPPING WATER**

- Aluminum construction, corrosion resistant
- 100% customizable to fit your specific opening
- Designed and tested to meet ANSI 2510 and FM 2510 approval standards
- Available in vertical six-inch increments and custom lengths

**NO TRIPPING HAZARDS, EASIER INSTALLATION**

- Sill embeds are flush to concrete, with no tripping hazard
- Unique latch system designed for simple, quick deployment
- Lightweight planks designed to be installed by a single individual
- Compression sealed with simple latch system (no compressed air required)
- Planks are stored away from the opening (and installed at time of flooding only)




**Ask About Our Other Flood Barriers:**



**EzDam™**



**Self-Closing Flood Barrier**



**HydroDefense™ Flood Plank Wall System**

701.746.4519 | 877.446.1519 | [www.psfloodbarriers.com](http://www.psfloodbarriers.com) | [4psinfo@psindustries.com](mailto:4psinfo@psindustries.com)

## FLOOD PROTECTIONS

### STANDARD TECHNICAL DATA

#### MATERIAL:

- Flood Plank and Frame: 6000 series aluminum alloy
- Gaskets: UV-resistant EPDM (high-grade material) unless otherwise noted
- Mullions: Removable mullions create a sectional barrier of any length
- Installation: To be installed to structural walls, typically concrete or masonry

#### SILL:

- Embedded angle with Nelson studs:
  - Mild carbon steel, hot-dipped and galvanized
  - Stainless Steel Type 304, mill finish
- Mounted Sill: Stainless steel

#### HARDWARE:

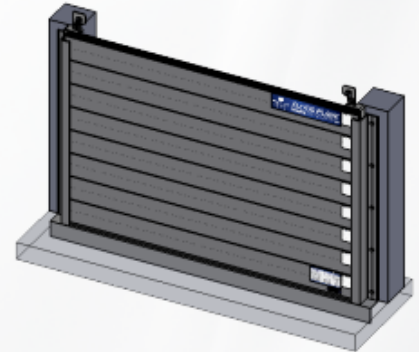
- Frame Mounting Hardware: Provide anchors, sealant and water stop, as required
- Labeling: Each watertight plank and jamb will be individually identified for matched installation

#### PERFORMANCE:

- Tested to the American National Standard for flood abatement equipment ANSI/FM approvals 2510-2014 4.3.3 up to 12-foot water protection level

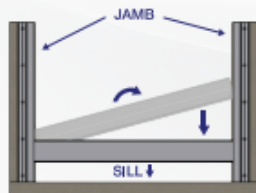
#### STORAGE:

- Protect materials from exposure to moisture during storage
- Store materials in a dry, warm, ventilated, weathertight location
- If outdoor storage is required, block materials to store at an incline, to prevent pooling of any moisture and promote runoff
- Tarp materials in a tent-like arrangement, elevated above the product with open sides to allow airflow
- Store all other hardware in a dry controlled environment



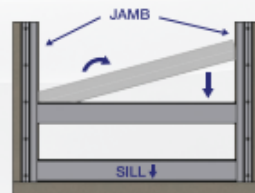
### DEPLOYMENT INSTRUCTIONS

**STEP 1.** Lubricate jamb seals with a water-soap mix. Find the plank labeled "Bottom Plank" and slide one end into the jamb toward the sill (do not slide all the way to the sill). Slide the other end into the jamb until the plank is level (careful not to tear the gasket). Once level, slide the plank straight down to the sill.



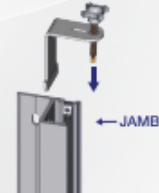
BOTTOM PLANK PLACEMENT

**STEP 2.** Install remaining planks in the same manner as the bottom plank. Ensure contact with the plank below before moving on.



ADDITIONAL PLANK PLACEMENT

**STEP 3.** Install standard jamb mount latch. If gaskets are not properly compressed, unlatch barrier panels and adjust latching accordingly. Hand tighten the latch spin knob to a torque of 40 in. lbs.



STANDARD MOUNT LATCH