

# HISTORIC DISTRICT COMMISSION PROJECT REVIEW REQUEST

CITY OF DETROIT  
PLANNING & DEVELOPMENT DEPARTMENT  
2 WOODWARD AVENUE, ROOM 808, DETROIT, MI 48226

DATE: \_\_\_\_\_

## PROPERTY INFORMATION

ADDRESS: \_\_\_\_\_ AKA: \_\_\_\_\_

HISTORIC DISTRICT: \_\_\_\_\_

**SCOPE OF WORK:** (Check ALL that apply)  
 Windows/Doors     Roof/Gutters/Chimney     Porch/Deck     Landscape/Fence/Tree/Park     General Rehab  
 New Construction     Demolition     Addition     Other: \_\_\_\_\_

## APPLICANT IDENTIFICATION

Property Owner/Homeowner     Contractor     Tenant or Business Occupant     Architect/Engineer/Consultant

NAME: \_\_\_\_\_ COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_ MOBILE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

## PROJECT REVIEW REQUEST CHECKLIST

Please attach the following documentation to your request:

**\*PLEASE KEEP FILE SIZE OF ENTIRE SUBMISSION UNDER 30MB\***

- Completed Building Permit Application** (highlighted portions only)
- ePLANS Permit Number** (only applicable if you've already applied for permits through ePLANS)
- Photographs** of ALL sides of existing building or site
- Detailed photographs** of location of proposed work (photographs to show existing condition(s), design, color, & material)
- Description of existing conditions** (including materials and design)
- Description of project** (if replacing any existing material(s), include an explanation as to why replacement--rather than repair--of existing and/or construction of new is required)
- Detailed scope of work** (formatted as bulleted list)
- Brochure/cut sheets** for proposed replacement material(s) and/or product(s), as applicable

### NOTE:

Based on the scope of work, additional documentation may be required.

See [www.detroitmi.gov/hdc](http://www.detroitmi.gov/hdc) for scope-specific requirements.

Upon receipt of this documentation, staff will review and inform you of the next steps toward obtaining your building permit from the Buildings, Safety Engineering and Environmental Department (BSEED) to perform the work.

**SUBMIT COMPLETED REQUESTS TO [HDC@DETROITMI.GOV](mailto:HDC@DETROITMI.GOV)**

# P2 - BUILDING PERMIT APPLICATION

Date: \_\_\_\_\_

## PROPERTY INFORMATION

Address: \_\_\_\_\_ Floor: \_\_\_\_\_ Suite#: \_\_\_\_\_ Stories: \_\_\_\_\_

AKA: \_\_\_\_\_ Lot(s): \_\_\_\_\_ Subdivision: \_\_\_\_\_

Parcel ID#(s): \_\_\_\_\_ Total Acres: \_\_\_\_\_ Lot Width: \_\_\_\_\_ Lot Depth: \_\_\_\_\_

Current Legal Use of Property: \_\_\_\_\_ Proposed Use: \_\_\_\_\_

Are there any existing buildings or structures on this parcel?  Yes  No

## PROJECT INFORMATION

**Permit Type:**  New  Alteration  Addition  Demolition  Correct Violations

Foundation Only  Change of Use  Temporary Use  Other: \_\_\_\_\_

Revision to Original Permit #: \_\_\_\_\_ (Original permit has been issued and is active)

**Description of Work** (Describe in detail proposed work and use of property, attach work list)

MBC use change  No MBC use change

**Included Improvements** (Check all applicable; these trade areas require separate permit applications)

HVAC/Mechanical  Electrical  Plumbing  Fire Sprinkler System  Fire Alarm

### Structure Type

New Building  Existing Structure  Tenant Space  Garage/Accessory Building

Other: \_\_\_\_\_ Size of Structure to be Demolished (LxWxH) \_\_\_\_\_ cubic ft.

Construction involves changes to the floor plan?  Yes  No

(e.g. interior demolition or construction to new walls)

Use Group: \_\_\_\_\_ Type of Construction (per current MI Bldg Code Table 601) \_\_\_\_\_

**Estimated Cost of Construction** \$ \_\_\_\_\_ By Contractor \$ \_\_\_\_\_ By Department

### Structure Use

Residential-Number of Units: \_\_\_\_\_  Office-Gross Floor Area \_\_\_\_\_  Industrial-Gross Floor Area \_\_\_\_\_

Commercial-Gross Floor Area: \_\_\_\_\_  Institutional-Gross Floor Area \_\_\_\_\_  Other-Gross Floor Area \_\_\_\_\_

Proposed No. of Employees: \_\_\_\_\_ List materials to be stored in the building: \_\_\_\_\_

**PLOT PLAN SHALL BE submitted on separate sheets and shall show all easements and measurements (must be correct and in detail). SHOW ALL streets abutting lot, indicate front of lot, show all buildings, existing and proposed distances to lot lines.** (Building Permit Application Continues on Next Page)

### For Building Department Use Only

Intake By: \_\_\_\_\_ Date: \_\_\_\_\_ Fees Due: \_\_\_\_\_ DngBld?  No

Permit Description: \_\_\_\_\_

Permit #: \_\_\_\_\_ Current Legal Land Use: \_\_\_\_\_ Proposed Use: \_\_\_\_\_

Permit#: \_\_\_\_\_ Date Permit Issued: \_\_\_\_\_ Permit Cost: \$ \_\_\_\_\_

Zoning District: \_\_\_\_\_ Zoning Grant(s): \_\_\_\_\_

Lots Combined?  Yes  No (attach zoning clearance)

**Revised Cost** (revised permit applications only) Old \$ \_\_\_\_\_ New \$ \_\_\_\_\_

Structural: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Zoning: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Other: \_\_\_\_\_ Date: \_\_\_\_\_ Notes: \_\_\_\_\_



## IDENTIFICATION (All Fields Required)

### Property Owner/Homeowner

Property Owner/Homeowner is Permit Applicant

Name: \_\_\_\_\_ Company Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_

Driver's License #: \_\_\_\_\_ Email: \_\_\_\_\_

### Contractor

Contractor is Permit Applicant

Representative Name: \_\_\_\_\_ Company Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

City of Detroit License #: \_\_\_\_\_

## TENANT OR BUSINESS OCCUPANT

Tenant is Permit Applicant

Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

## ARCHITECT/ENGINEER/CONSULTANT

Architect/Engineer/Consultant is Permit Applicant

Name: \_\_\_\_\_ State Registration#: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

## HOMEOWNER AFFIDAVIT (Only required for residential permits obtained by homeowner.)

I hereby certify that I am the legal owner and occupant of the subject property and the work described on this permit application shall be completed by me. I am familiar with the applicable codes and requirements of the City of Detroit and take full responsibility for all code compliance, fees and inspections related to the installation/work herein described. I shall neither hire nor sub-contract to any other person, firm or corporation any portion of the work covered by this building permit.

Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Homeowner)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_ A.D. \_\_\_\_\_ County, Michigan

Signature: \_\_\_\_\_ My Commission Expires: \_\_\_\_\_  
(Notary Public)

## PERMIT APPLICANT SIGNATURE

I hereby certify that the information on this application is true and correct. I have reviewed all deed restrictions that may apply to this construction and am aware of my responsibility thereunder. I certify that the proposed work is authorized by the owner of the record and I have been authorized to make this application as the property owner(s) authorized agent. Further I agree to conform to all applicable laws and ordinances of jurisdiction. **I am aware that a permit will expire when no inspections are requested and conducted within 180 days of the date of issuance or the date of the previous inspection and that expired permits cannot be**

Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Permit Applicant)

Driver's License #: \_\_\_\_\_ Expiration: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_ A.D. \_\_\_\_\_ County, Michigan

Signature: \_\_\_\_\_ My Commission Expires: \_\_\_\_\_  
(Notary Public)

**Section 23a of the state construction code act of 1972, 1972PA230, MCL 125.1523A, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Visitors of Section 23a are subject to civil fines.**

This application can also be completed online. Visit [detroitmi.gov/bseed/elaps](http://detroitmi.gov/bseed/elaps) for more information.



# HISTORIC DISTRICT COMMISSION REVIEW & PERMIT PROCESS



\* THE COMMISSION MEETS REGULARLY AT LEAST ONCE PER MONTH, TYPICALLY ON THE SECOND WEDNESDAY OF THE MONTH. (SEE WEBSITE FOR MEETING SCHEDULE/AGENDAS)

FIND OUT MORE AT [www.detroitmi.gov/hdc](http://www.detroitmi.gov/hdc)



# 1451 Brooklyn

REVISED – 01 04 21

REVISED – 01 21 21

## Description of Existing Conditions:

The existing two-story structure is in “fair” condition. The building is water tight although both roofs, the shingle roof on the entry area and the roof over the main structure both need to be replaced.

## ADD-ON STAIR STRUCTURE

The structure enclosing the stairs on the side of the original structure at some point in the history of the property is in extremely poor condition. The roof leaks and the framing has deteriorated on a structure that was built poorly to begin with. **See the attached photos of the interior and exterior detailing the damage to this add-on stair structure.**

## WINDOWS

The windows presently installed are a bit of a “Frankenstein” in an otherwise attractive building. There are a mix of original windows at the 1<sup>st</sup> Floor retail areas and wood windows, some original, some replacement, almost all with broken glass lites.

**Existing Double Hung Windows – The windows are in extremely poor condition. Many of the windows are missing sashes and the sashes and frames that are remaining have suffered significant rot. Most of the window sills are gone**

**Windows 1 & 5, in the former “retail” area appear to have been double hung windows at one time that now have a large, picture window installed.**

**Windows 6, 7 and 13 in the “Entry Addition”. This portion of the building was added on to the original building. The existing openings have a home-made aluminum “storm” window on the exterior and an interior swinging “casement” window. These windows are roughly “jammed” into the masonry opening and do not appear to be original. As the interior photos and details photos show, the windows were not built to fit into the opening but were rather applied to the interior surface of the brick using exposed hinges. **The part we are extremely concerned is without the aluminum storm windows which are an add-on at a later date, done in a completely unsympathetic method, is the interior casement windows lack the basic weather seals to prevent air and more importantly moisture****

**penetration into the interior. Additionally, the sill lacks any positive slope to shed water to the exterior. To make these windows reach any type of weather-tight condition, they would have to be extensively modified well beyond a traditional window repair. In effect, we would have to repair all the innate design flaws associated with this window. It is one thing to keep the windows as an “interior storm” for appearance but to rely on these windows for the primary means of weather protection is extreme.**

**The goal of the window replacement is to provide a uniformity and consistency to the windows throughout the entire building. Unfortunately there are no windows that are suffering some damage and the majority windows the damage is so severe that they are beyond repair which would be our preferred method.**

#### DOORS

**The doors are not original and have cheap storm doors installed. See attached photos and elevations for doors A, B, C, D & E.**

**Door A –Wood door with lite – Some of the door is rotted but we intend to repair the door**

**Door B – Non-original door, to be replaced with a door with a rail and lite**

**Door C – Non-original door, to be replace with a all wood rail and panel door**

**Door D – Original 5-panel wood door, door is to be restored in place**

**Door E – New pair of “French” doors which were installed by the previous owner, they are to remain.**

#### MASONRY

The masonry work is in good condition. Some deferred maintenance has to be corrected, such as areas along the sidewalk where salt has damaged the brick. There are also some preventative masonry repairs which need to occur, such as tuckpointing and caulking, but there are no major failures of the brick envelope.

#### 2<sup>ND</sup> FLOOR BALCONY

At some point, a previous owner has removed a portion of the rear (west) wall at the 2<sup>nd</sup> Floor to create an outdoor area accessed by a pair of French doors at the 2<sup>nd</sup> Floor. The roof above remains in place and is supported by wood columns.

## PARAPAT

An attractive cornice/parapet exists on the two street elevations of the building with simple brackets supporting the extension of the parapet out from the masonry wall.

# 1451 Brooklyn

REVISED – 01 04 21

## Description of the Project:

The project is to repair the existing building shell.

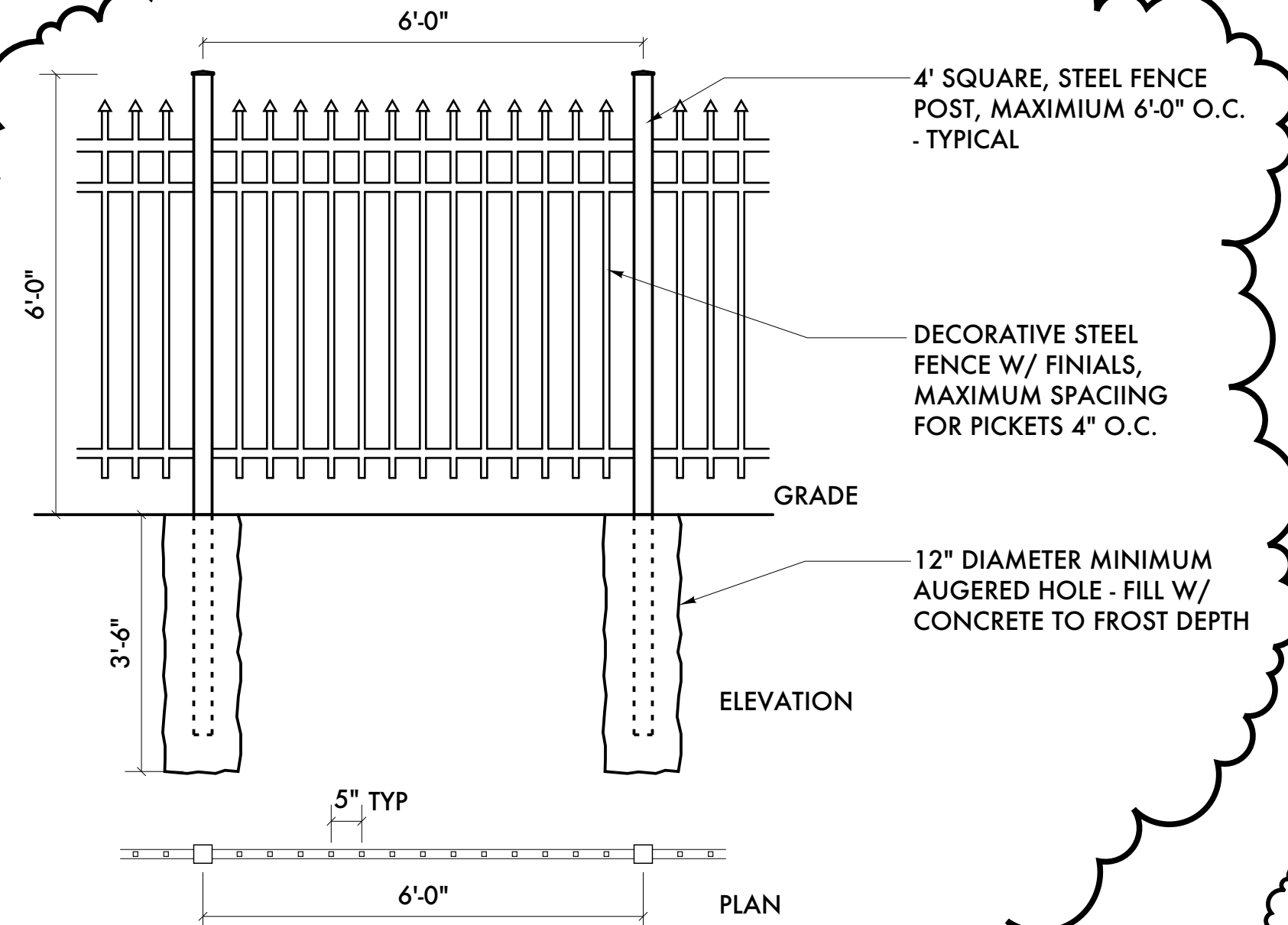
## Scope of Work:

1. Tuckpoint the existing masonry using the Secretary of the Interior's Historic Guidelines as the basis for repairs.
2. Repair the areas where brick masonry has been damaged
3. Remove and replace the existing, non-historic doors with wood rail and stile wood doors, either with glass lites or wood panel lites as shown on the elevations. **See “Existing Conditions” for door repair/replacement.**
4. Remove the existing add-on addition to the original structure housing a stair and access to the basement. **See photographs of existing structure for stair to be removed.**
5. Remove the existing mix of windows including wood and replacement, fixed and double hung, and replace with a consistent, wood, double hung window. **See “Existing Conditions” for window repair/replacement.**

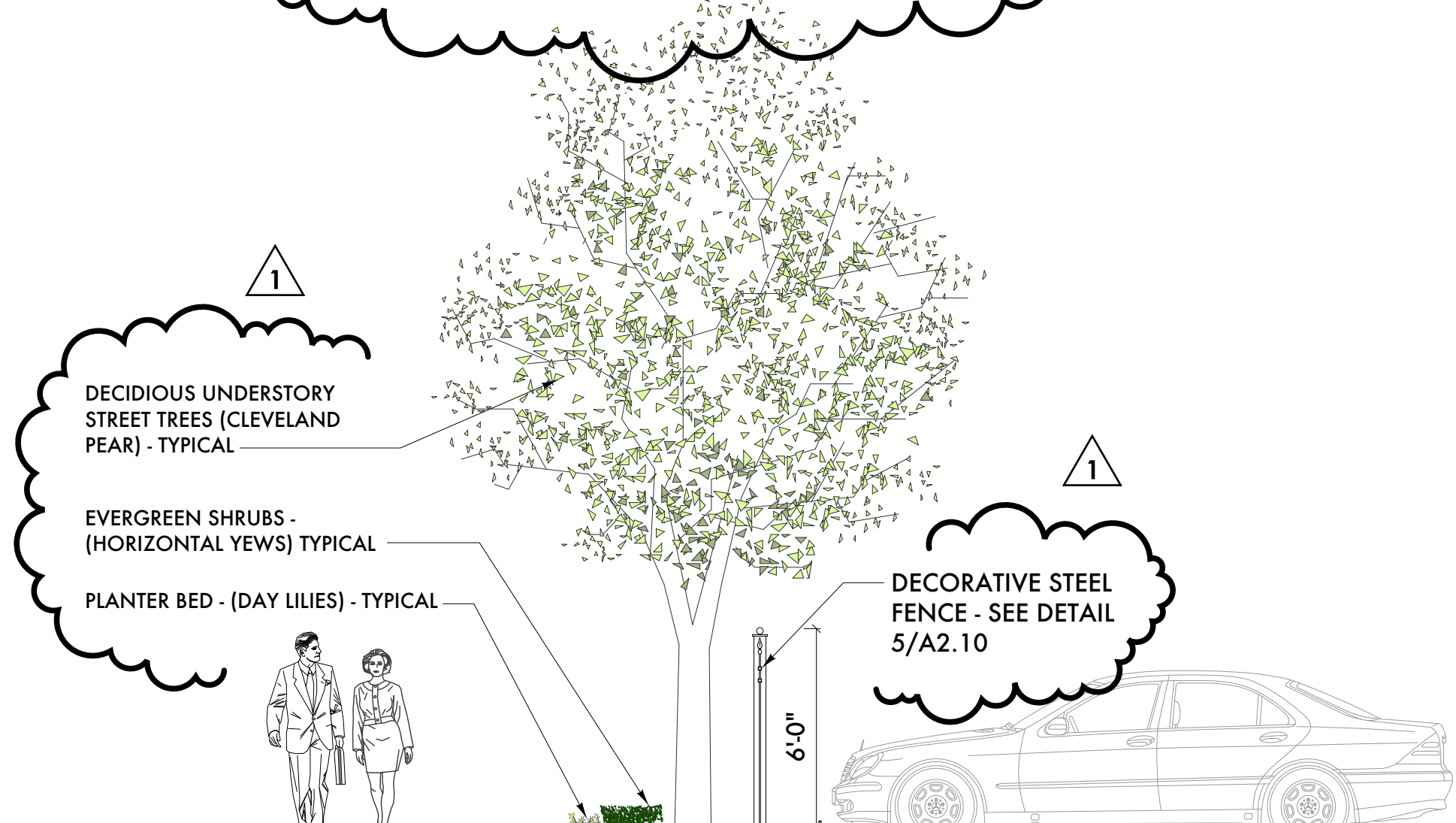




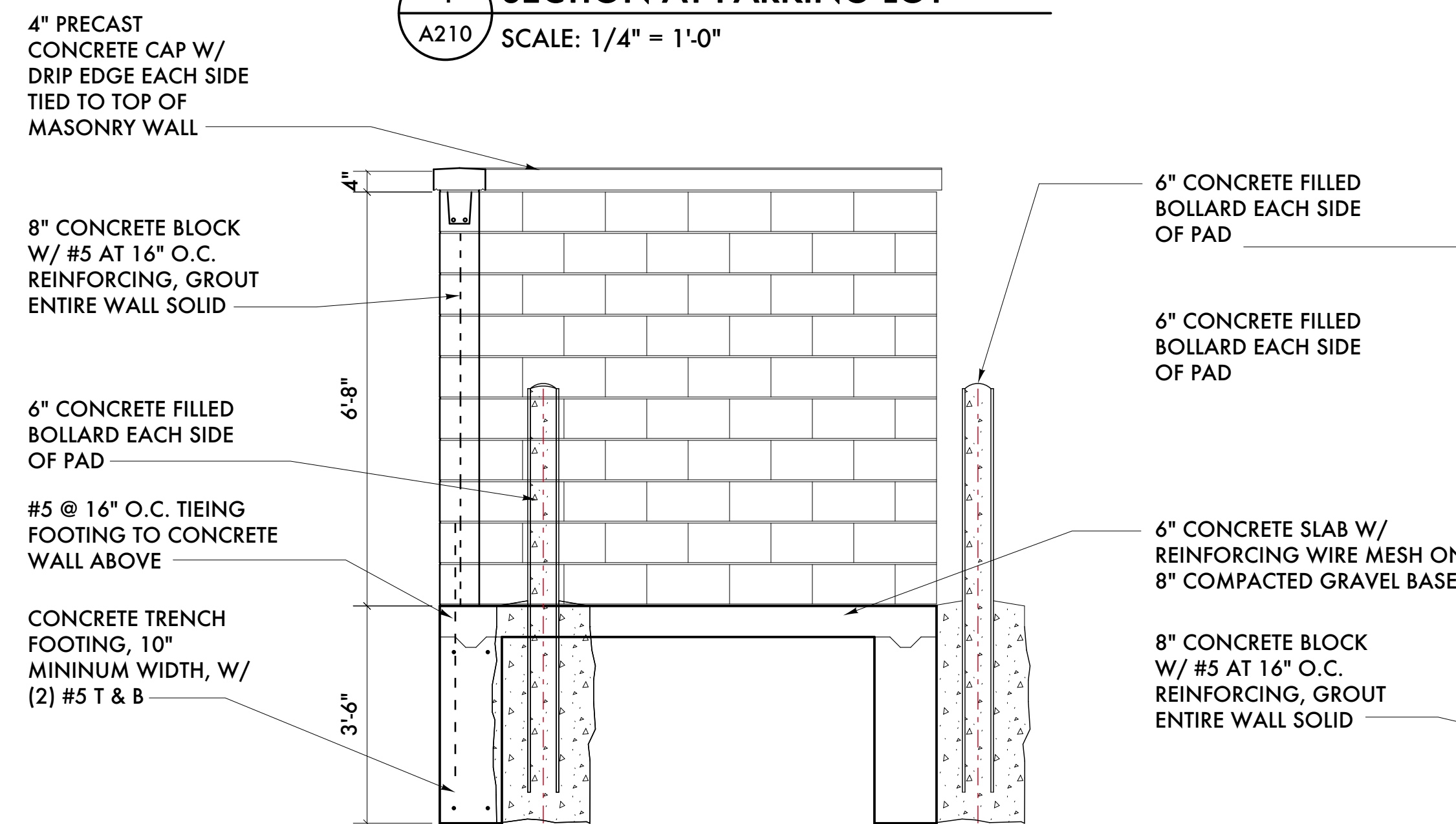
**6 BICYCLE RACK**  
A2.10 SCALE: 1/2" = 1'-0"



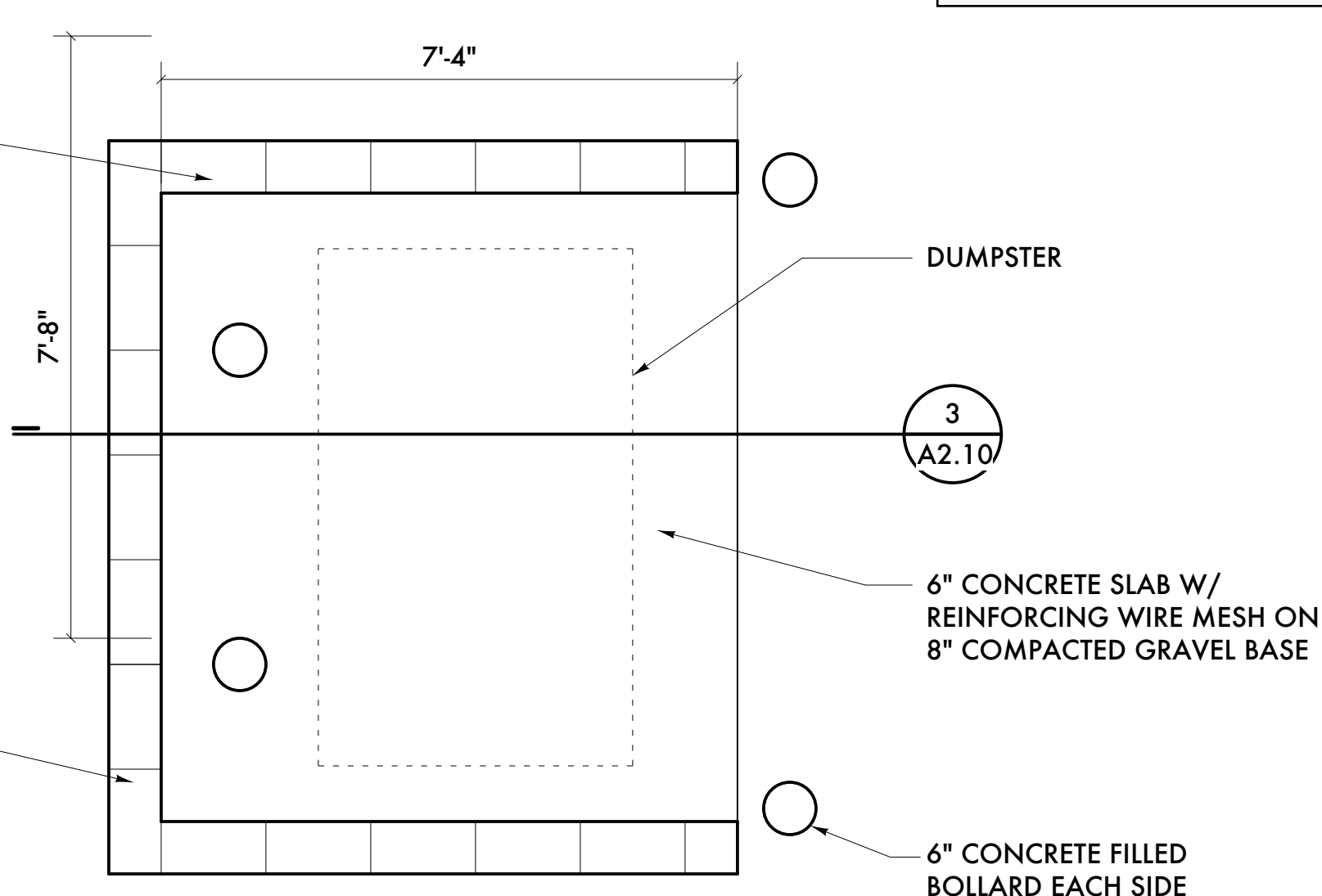
**5 DECORATIVE FENCE DETAIL**  
A2.10 SCALE: 1/2" = 1'-0"



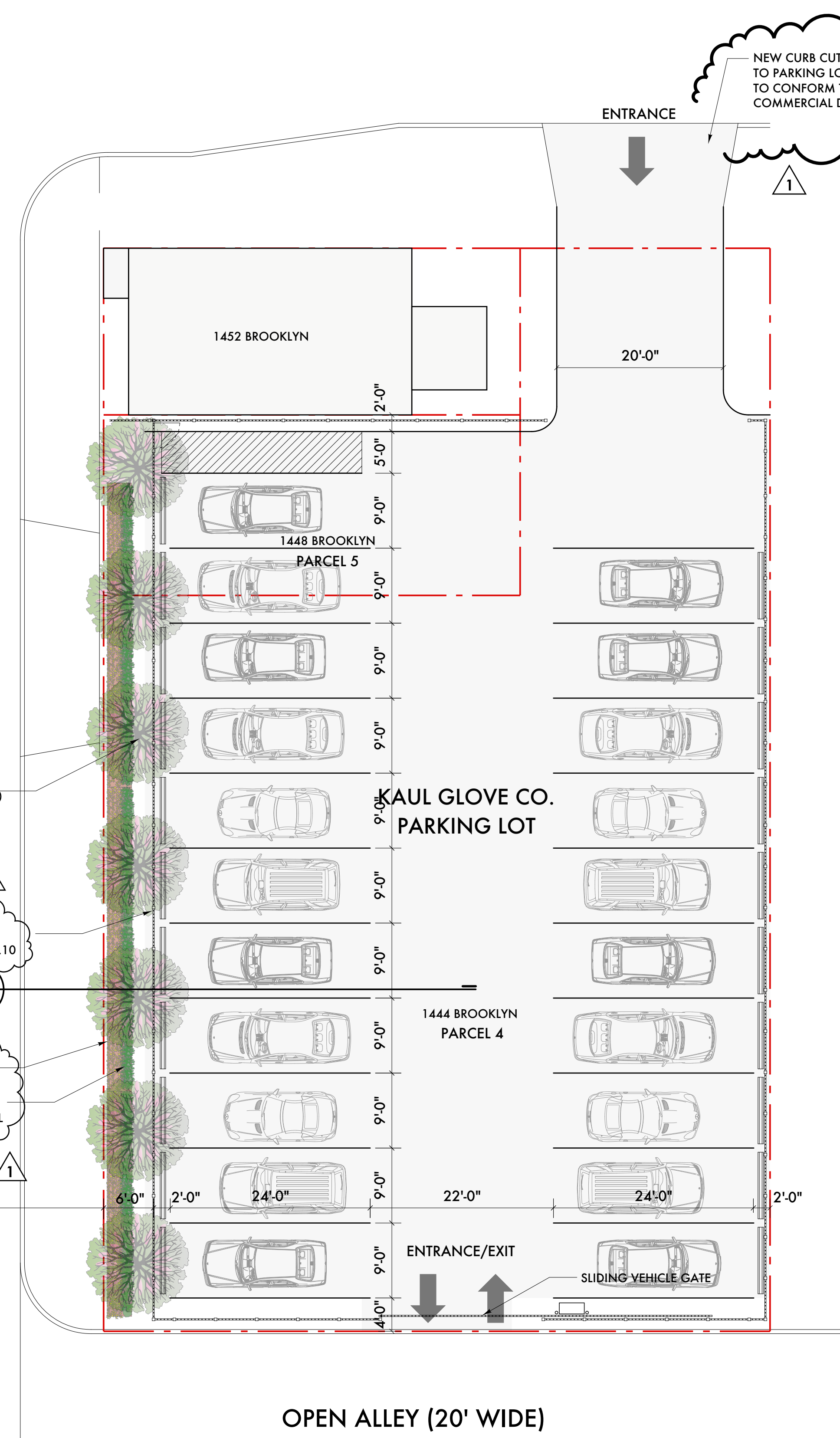
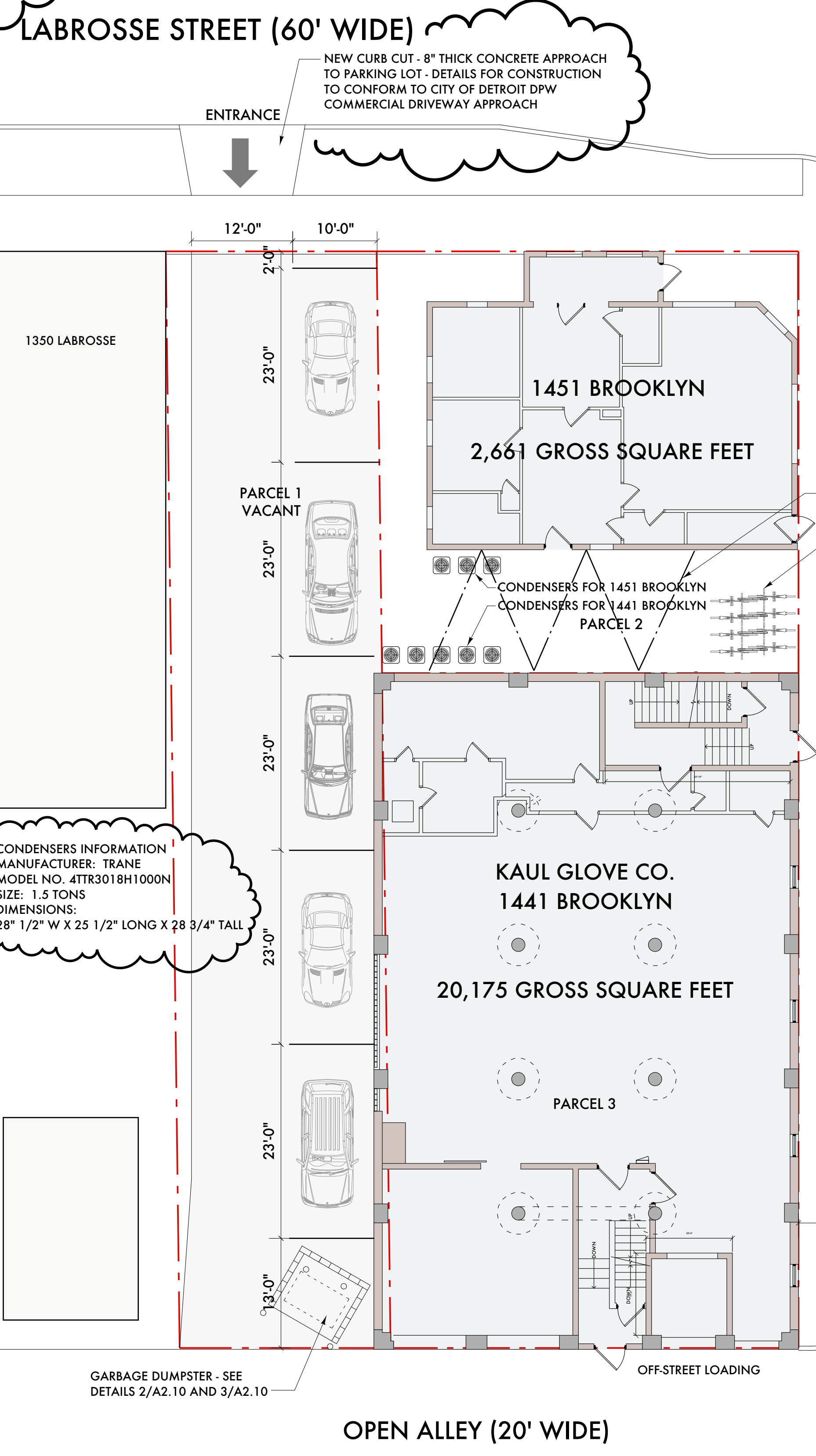
**4 SECTION AT PARKING LOT**  
A2.10 SCALE: 1/4" = 1'-0"



**3 SECTION/ELEVATION AT DUMPSTER SCREEN**  
A2.10 SCALE: 1/2" = 1'-0"



**2 PLAN AT DUMPSTER SCREEN**  
A2.10 SCALE: 1/2" = 1'-0"



**LEGAL DESCRIPTIONS:**

LAND IN THE CITY OF DETROIT, WAYNE COUNTY, MI, DESCRIBED AS FOLLOWS:

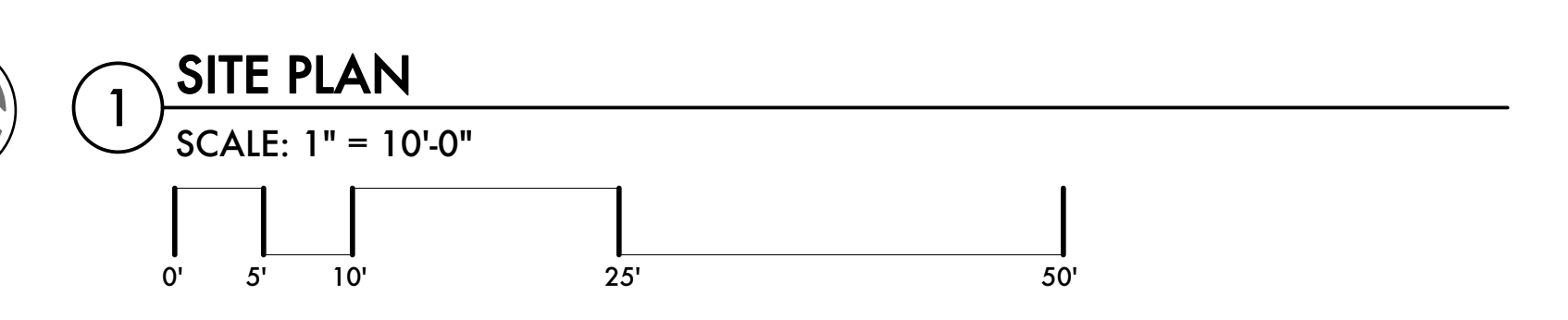
**PARCEL 1:** EAST ONE-HALF OF LOT 2 OF BLOCK 60, OF COL D BAKER FARM, ACCORDING TO THE PLAT THEREOF RECORDED IN LIBER 17 OF DEEDS, PAGES 272 AND 273 AND IN LIBER 25 OF DEEDS, PAGE 424 OF WAYNE COUNTY RECORDS.

**PARCEL 2:** NORTH 50 FEET OF LOT 1 OF BLOCK 60, OF COL D BAKER FARM, ACCORDING TO THE PLAT THEREOF RECORDED IN LIBER 17 OF DEEDS, PAGES 272 AND 273 AND IN LIBER 25 OF DEEDS, PAGE 424 OF WAYNE COUNTY RECORDS.

**PARCEL 3:** THE SOUTH 80 FEET OF LOT 1 OF BLOCK 60, OF COL D BAKER FARM, ACCORDING TO THE PLAT THEREOF RECORDED IN LIBER 17 OF DEEDS, PAGES 272 AND 273 AND IN LIBER 25 OF DEEDS, PAGE 424 OF WAYNE COUNTY RECORDS.

**PARCEL 4:** WEST 30 FEET OF LOT 6 AND SOUTH 86.66 FEET OF LOT 7 OF BLOCK 54 OF SUBDIVISION OF LABROSSE FARM SOUTH OF CHICAGO ROAD, ACCORDING TO THE PLAT THEREOF RECORDED IN LIBER 13 OF DEEDS, PAGES 85 THROUGH 88 OF WAYNE COUNTY RECORDS.

**PARCEL 5:** SOUTH ONE-HALF OF THE NORTH ONE-THIRD OF LOT 7 OF BLOCK 54 OF SUBDIVISION OF LABROSSE FARM SOUTH OF CHICAGO ROAD, ACCORDING TO THE PLAT THEREOF RECORDED IN LIBER 13 OF DEEDS, PAGES 85 THROUGH 88 OF WAYNE COUNTY RECORDS.



Date	Issued For:
01/20/21	ADD #1 - Historic Commission
12/28/20	Historic Commission
12/17/20	Owner Review
12/01/20	BZA Updates
11/16/20	BZA Updates
06/19/20	BZA Submission
06/18/20	Historic Commission Review
06/08/20	Owner Review

Date: Issued For:

**Kaul Glove Building  
Renovation & Adaptive Reuse**

1441 Brooklyn  
Detroit, Michigan 48226

**studiozONE : DETROIT**

architectural  
urban  
interior DESIGN

330 Madison Avenue  
4th Floor  
Detroit, Michigan 48226  
info@studiozone.com  
313.549.3790 (t)  
jgb@studiozone.com

Project Number: 2019-

Sheet Title:  
**SITE PLAN**



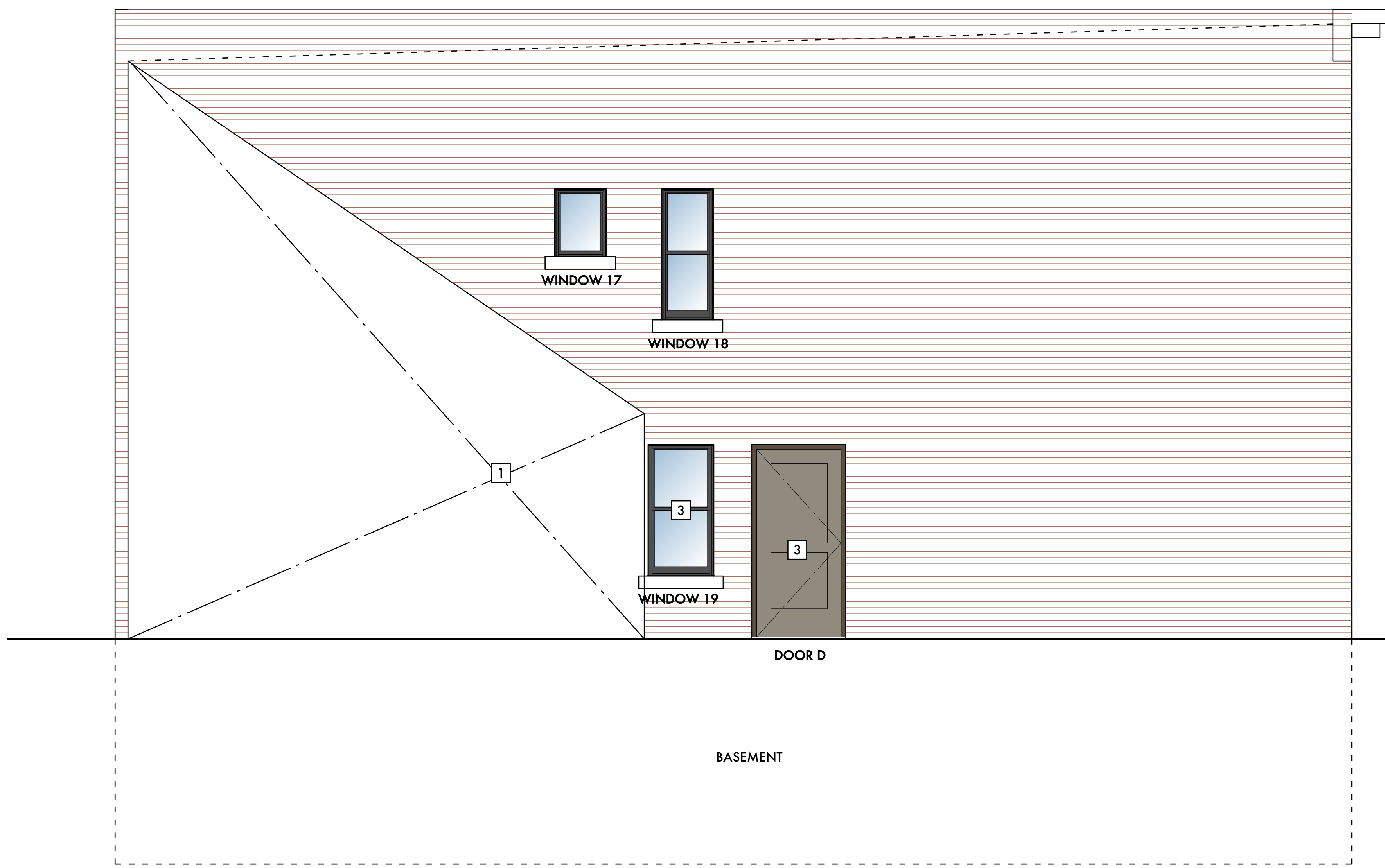


Existing Parking Lot

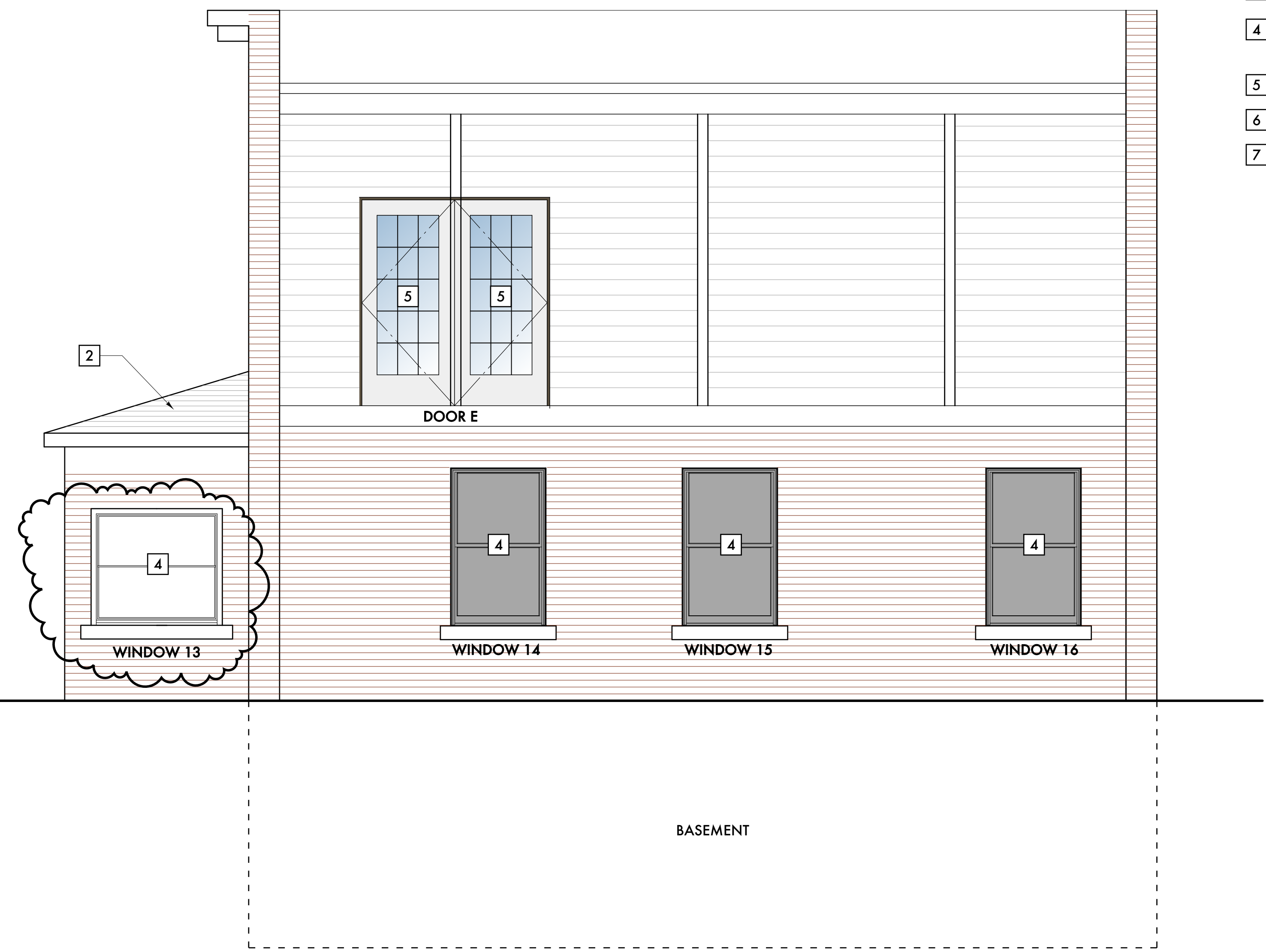


**KEYED DEMOLITION NOTES:**

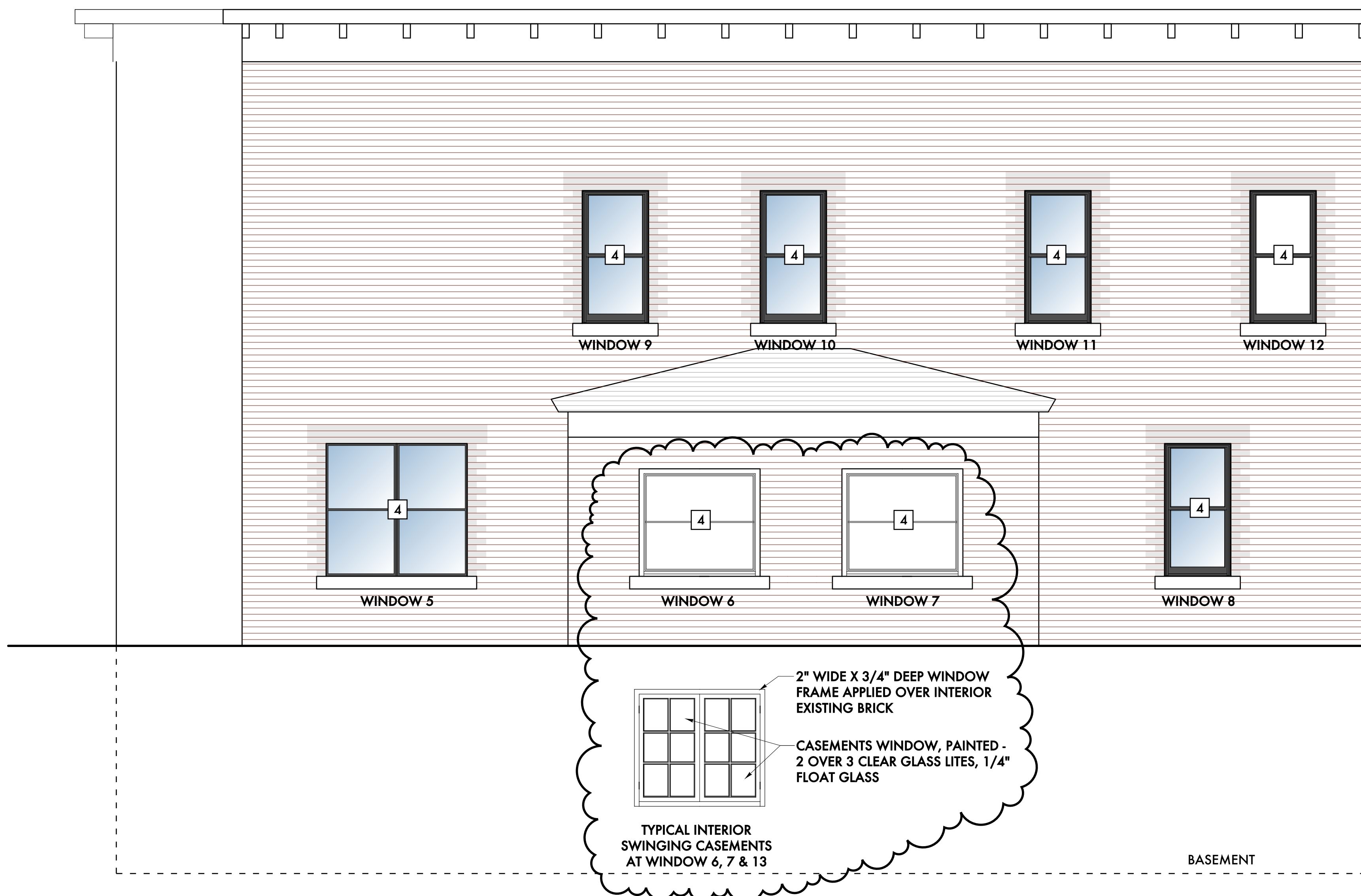
- 1 REMOVE EXISTING ADDITION ON SIDE OF HOUSE INCLUDING FOUNDATIONS
- 2 REMOVE EXISTING SHINGLE ROOF
- 3 REMOVE EXISTING STORM DOOR AND EXTERIOR DOOR
- 4 REMOVE EXISTING WINDOW OR PLYWOOD INFILL AT FORMER WINDOW OPENING
- 5 EXISTING FRENCH DOORS TO REMAIN
- 6 -
- 7 -



**D EXISTING SOUTH ELEVATION**  
SCALE: 3/8" = 1 - 0"



**C EXISTING WEST ELEVATION**  
SCALE: 3/8" = 1 - 0"



**B EXISTING LABROSSE ELEVATION (NORTH)**  
SCALE: 3/8" = 1 - 0"



**A EXISTING BROOKLYN ELEVATION (EAST)**  
SCALE: 3/8" = 1 - 0"



Date	Issued For:
01/20/21	ADD #1 - Historic Commission
12/28/20	Historic Commission Review
11/18/20	Historic Commission Review

**Brooklyn House**  
Renovation & Adaptive Reuse

1451 Brooklyn  
Detroit, Michigan 48226

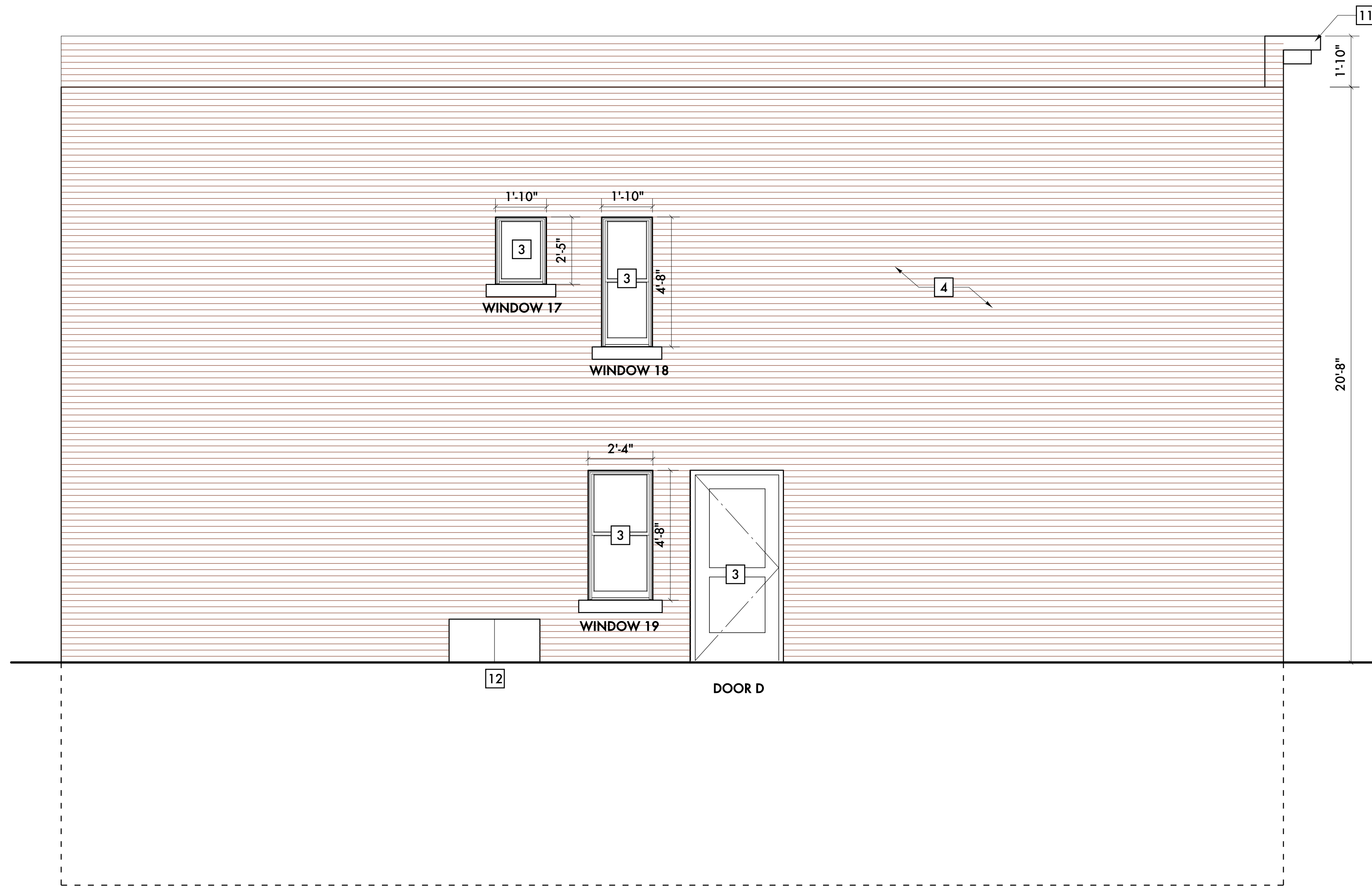
**studiozONE : DETROIT**  
architectural | urban | interior | DESIGN

350 Madison Avenue  
4th Floor  
Detroit, Michigan 48226  
313.549.2790 [p]  
jpb@ware.house.com

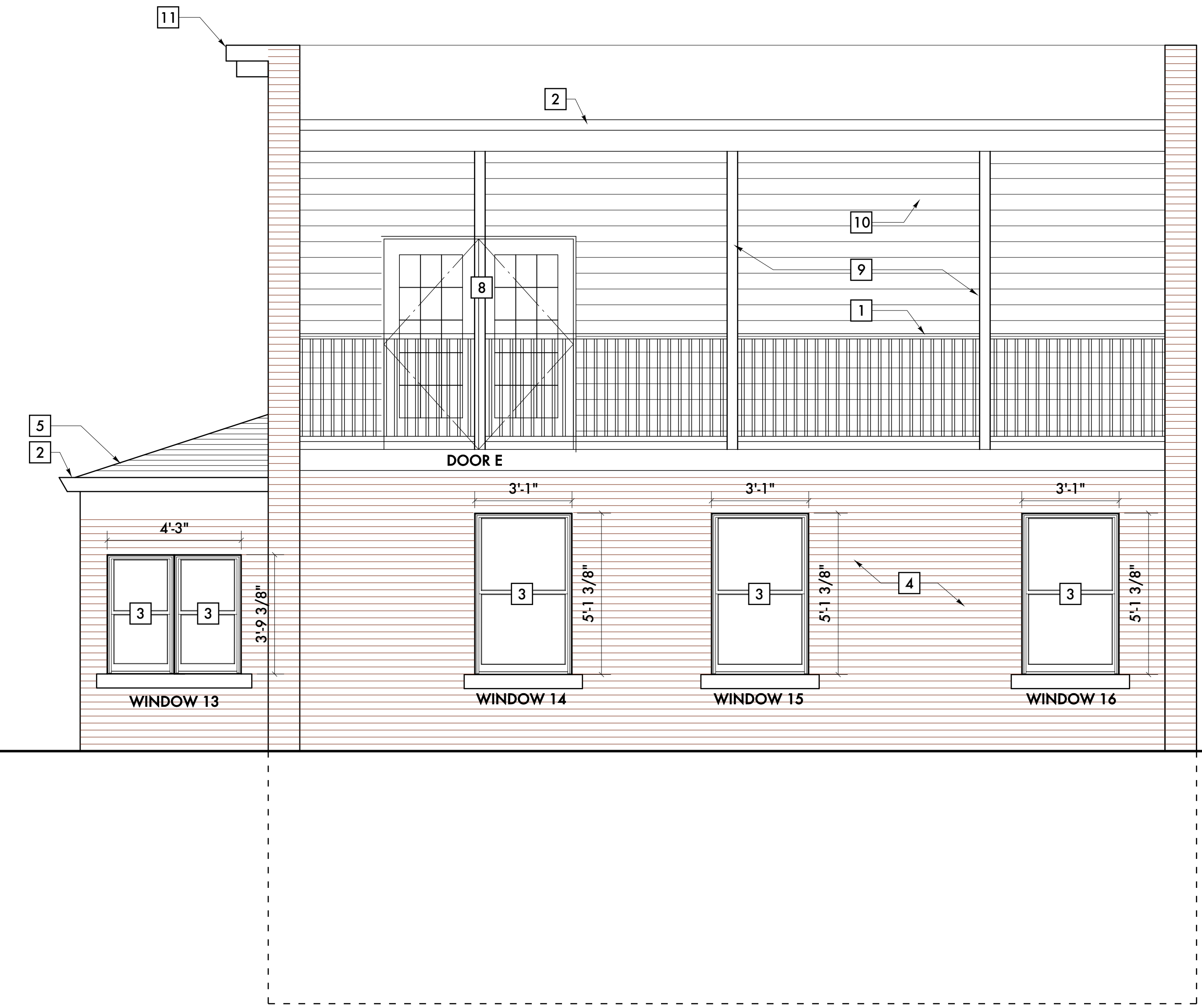
Project Number: 2020 - 04  
Sheet Title:  
**EXISTING ELEVATIONS**

**KEYED DEMOLITION NOTES:**

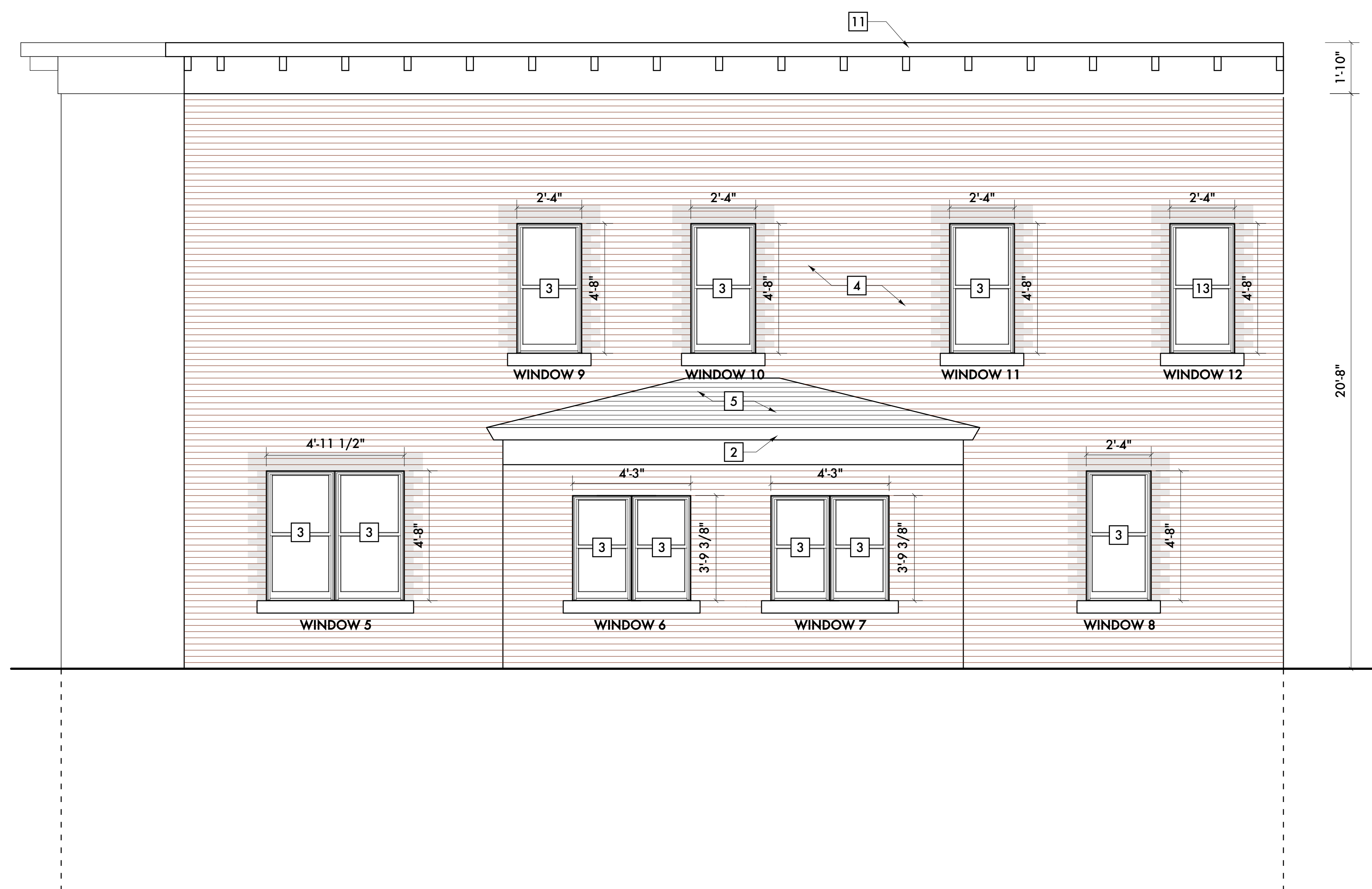
- 1 WOOD HANDRAIL, PAINTED
- 2 REMOVE AND REPLACE EXISTING GUTTER & DOWNSPOUT W/ NEW GUTTER & DOWNSPOUT
- 3 NEW WOOD WINDOW, ANDERSON 100 SERIES, INSULATED WOOD WINDOW
- 4 TUCKPOINT EXISTING MASONRY - ALL WORK TO BE DONE W/ THE STANDARD OF THE SECRETARY OF THE INTERIOR FOR HISTORIC, MASONRY RESTORATION
- 5 REMOVE AND REPLACE EXISTING SHINGLE W/ NEW SHINGLE ROOF
- 6 RAIL & STILE WOOD DOOR W/ GLASS LITES
- 7 RAIL & STILE WOOD DOOR W/ WOOD PANEL INSETS
- 8 EXISTING WOOD FRENCH DOORS TO REMAIN, REPAIR
- 9 EXISTING WOOD PORCH COLUMNS TO REMAIN, PAINT
- 10 EXISTING WOOD SIDING TO REMAIN, PAINT
- 11 CLEAN, SCRAPE AND REPAINT EXISTING PARAPET
- 12 NEW STORM CELLAR DOOR TO BASEMENT
- 13 INSTALL "FALSE" WINDOW IN FORMER WINDOW OPENING AT OUTDOOR BALCONY. SASHES TO BE FIXED IN PLACE AND NOT OPERABLE



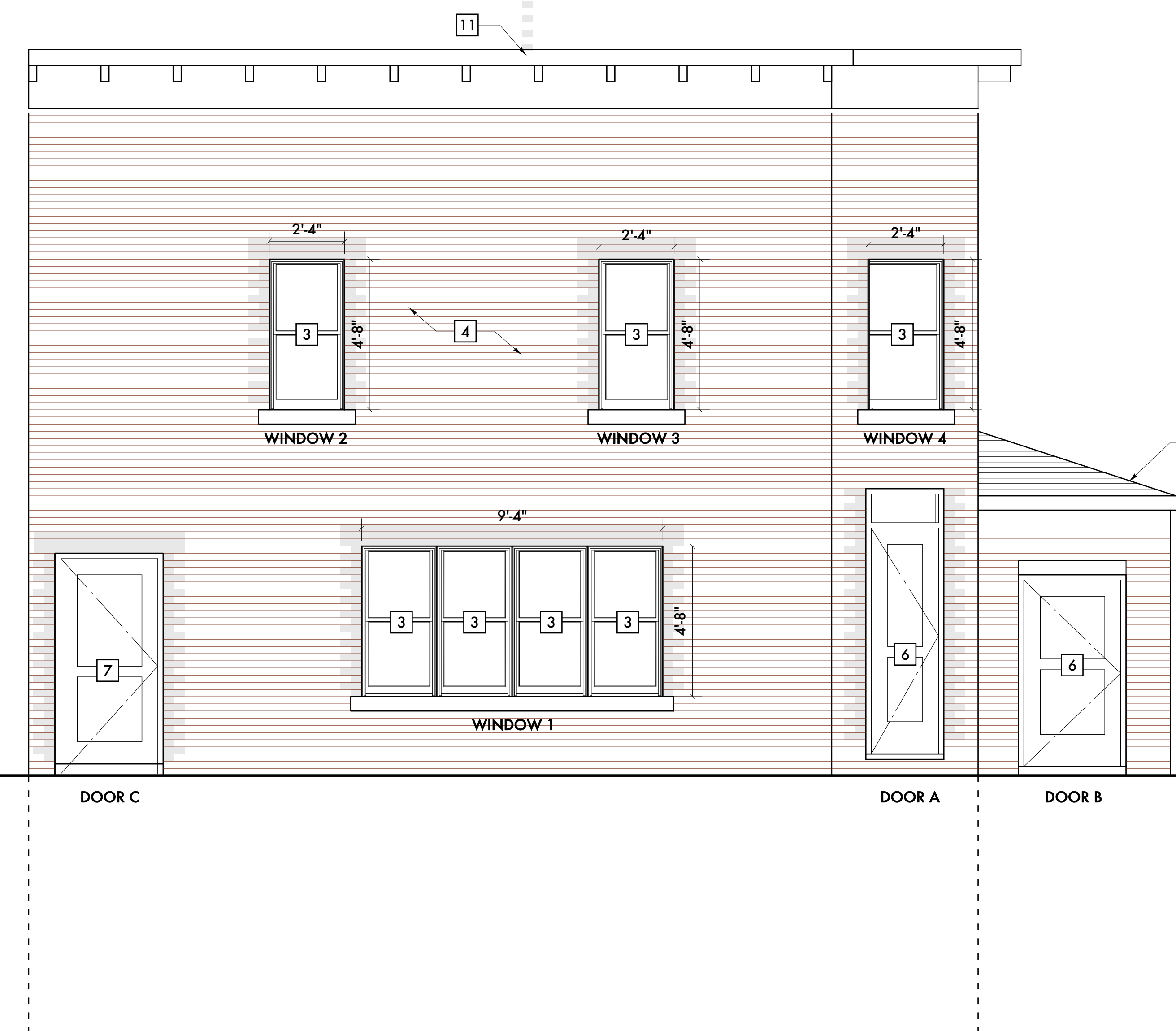
**D SOUTH ELEVATION**  
SCALE: 3/8" = 1 - 0"



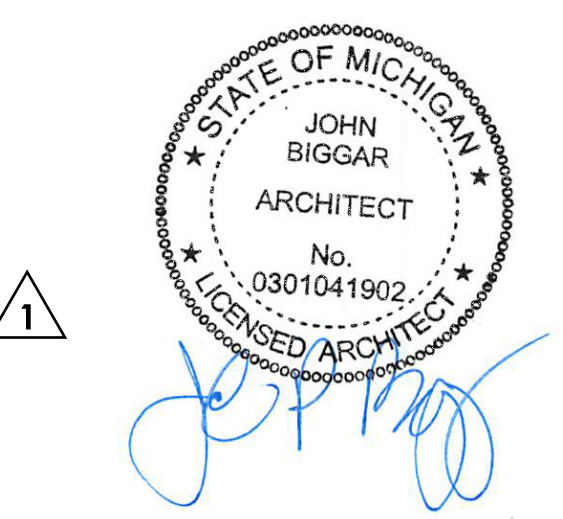
**C WEST ELEVATION**  
SCALE: 3/8" = 1 - 0"



**B LABROSSE ELEVATION (NORTH)**  
SCALE: 3/8" = 1 - 0"



**A BROOKLYN ELEVATION (EAST)**  
SCALE: 3/8" = 1 - 0"

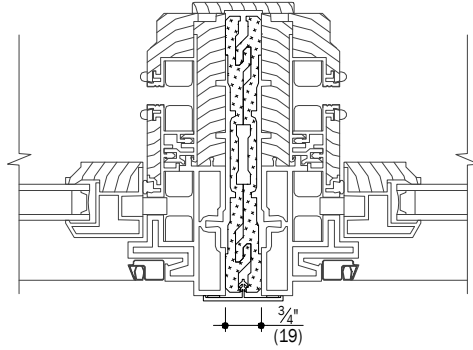


Permits	
12/28/20	Historic Commission Review
11/18/20	Historic Commission Review
Date:	Issued For:
<b>Brooklyn House</b> Renovation & Adaptive Reuse	
1451 Brooklyn Detroit, Michigan 48226	
<b>studiozONE : DETROIT</b>	
architectural urban interior	DESIGN
350 Madison Avenue 4th Floor Detroit, Michigan 48226	studiozonedetroit.com 313.349.3790 [p] jpb@ware-house.com

Project Number: 2020 - 04  
Sheet Title:  
**PROPOSED ELEVATIONS**



## 3/4" Join - Fiberglass Reinforced

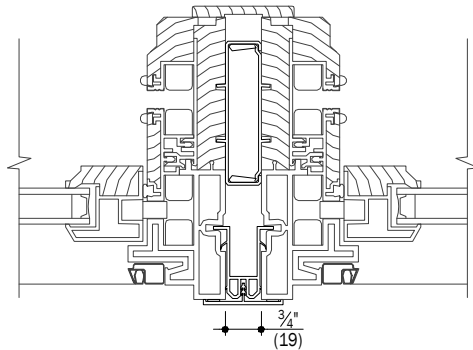


See [Specialty Window Joins](#)  
for additional join combinations.

Vertical Join Section Detail Lookup Chart		Unit Above			
		Double-Hung	Picture	Transom	Venting Transom
Double-Hung	A/2				
Picture	B/2		C/2		
Transom				C/2	
Venting Transom					D/2

Horizontal Join Section Detail Lookup Chart		Unit Above		
		Picture	Transom	Venting Transom
Double-Hung	F/2	H/2	L/2	
Picture	G/2	J/2	M/2	
Transom		J/2	M/2	
Venting Transom		K/2	N/2	

## 3/4" Join - Non-Reinforced (Steel Clip)



See [Specialty Window Joins](#)  
for additional join combinations.

Vertical Join Section Detail Lookup Chart		Unit Above			
		Double-Hung	Picture	Transom	Venting Transom
Double-Hung	A/3				
Picture	B/3		C/3		
Transom				C/3	
Venting Transom					D/3

Horizontal Join Section Detail Lookup Chart		Unit Above		
		Picture	Transom	Venting Transom
Double-Hung	F/3	H/3	L/3	
Picture	G/3	J/3	M/3	
Transom		J/3	M/3	
Venting Transom		K/3	N/3	

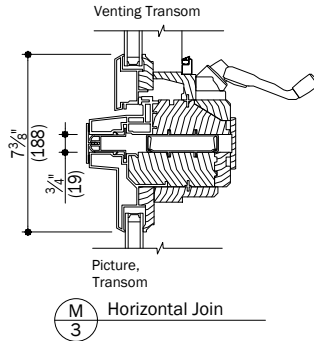
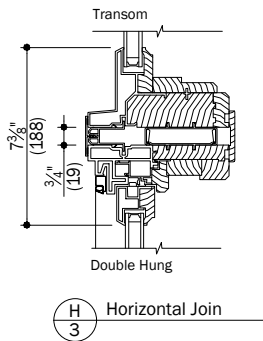
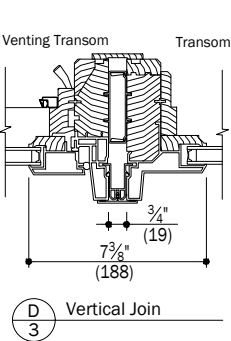
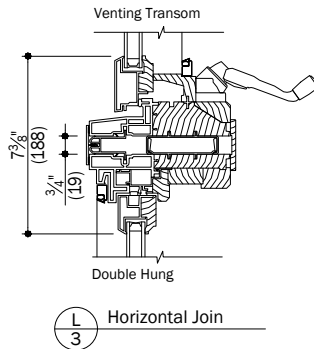
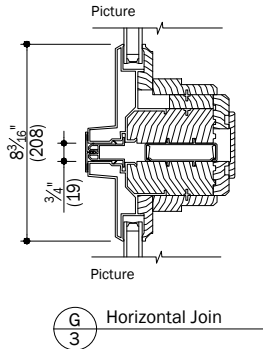
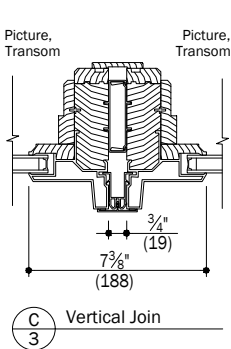
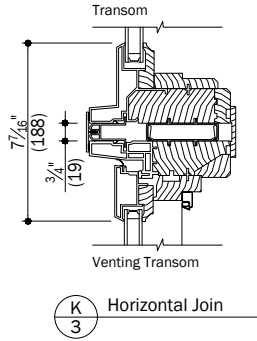
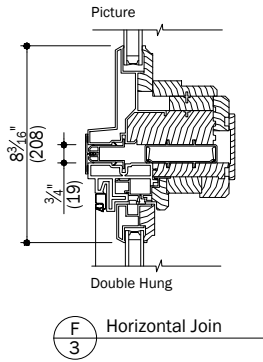
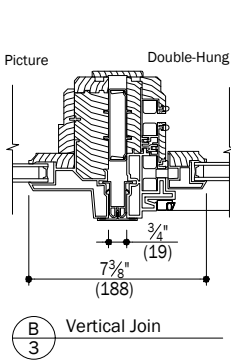
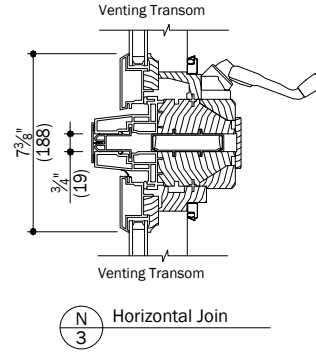
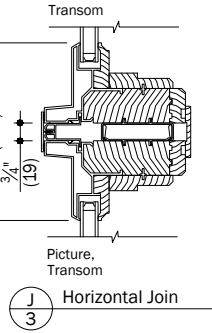
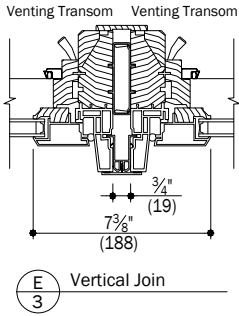
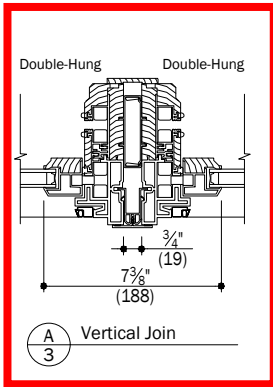
### Notes:

Details have been optimized for use in architectural software and do not match manufacturing specifications. Dimensions in parentheses are in millimeters.

Date: 10/06/17  
Scale: None

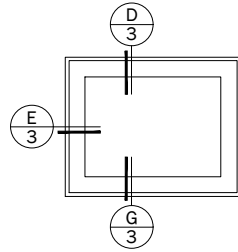
# A-Series

## Double-Hung Joins

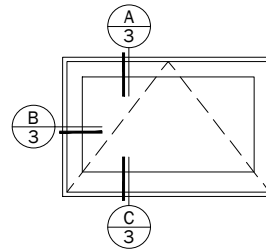


### Notes:

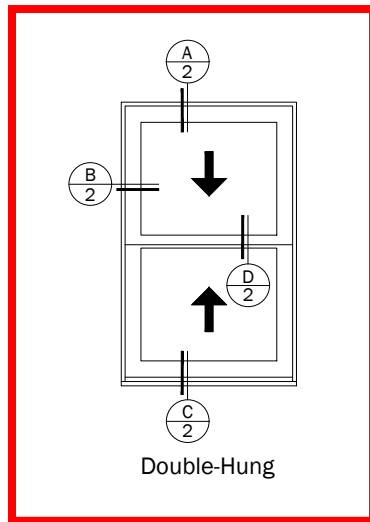
Details have been optimized for use in architectural software and do not match manufacturing specifications. Dimensions in parentheses are in millimeters.



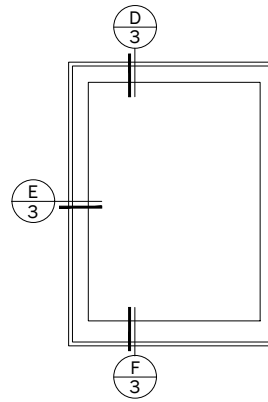
Transom Fixed



Transom Venting



Double-Hung



Picture

**Notes:**

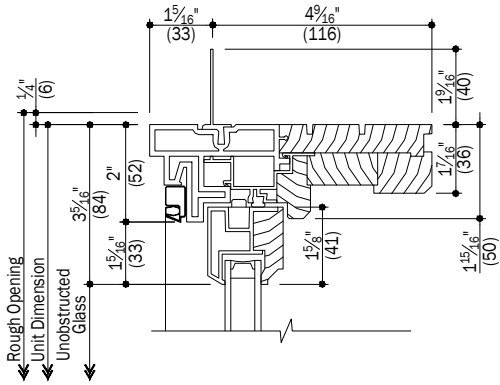
Details have been optimized for use in architectural software and do not match manufacturing specifications. Dimensions in parentheses are in millimeters.

See Pages 4 Thru 6 for Accessories

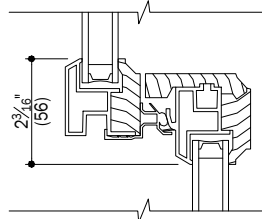
Date: 03/29/16  
Scale: None

# A-Series

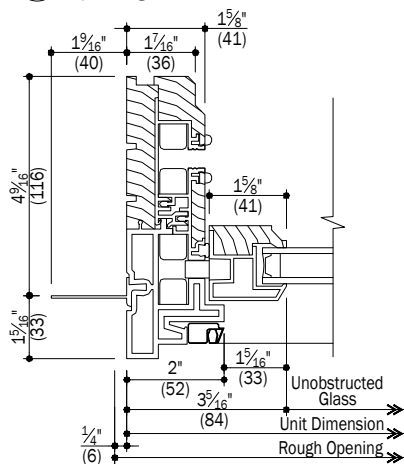
## Double-Hung Windows



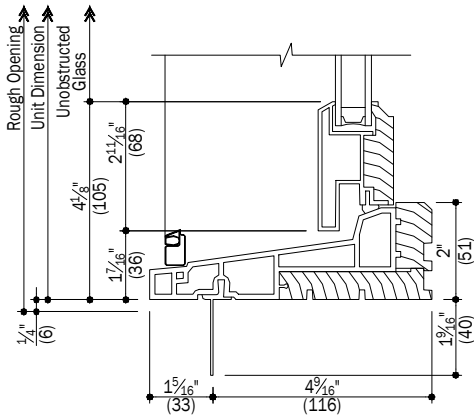
**A** Head  
2 Operating



**D** Check Rail  
2 Operating



**B** Jamb  
2 Operating



**C** Sill  
2 Operating

### Notes:

Details have been optimized for use in architectural software and do not match manufacturing specifications. Dimensions in parentheses are in millimeters.

**See Pages 4 Thru 6 for Accessories**

Date: 03/29/16  
Scale: 3" (76) = 1' (305)





























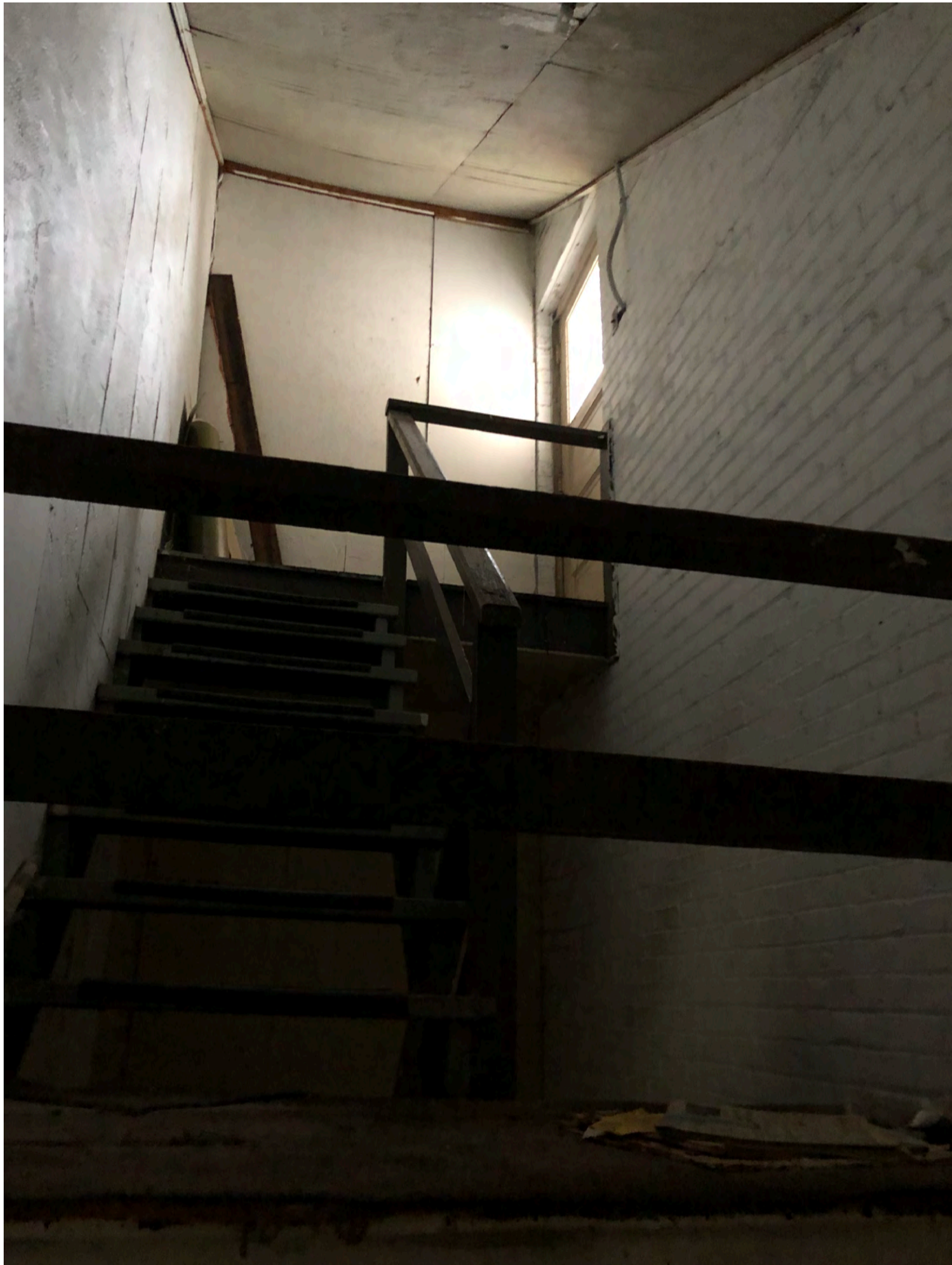




















































Window #1





Window #1





Window #2





Window #2





Window #3





Window #3





Window #4





Window #4





Window #5





Window #6





Window #6





Window #6





Window #6





Window #6





Window #7





Window #7





Window #8





Window #9





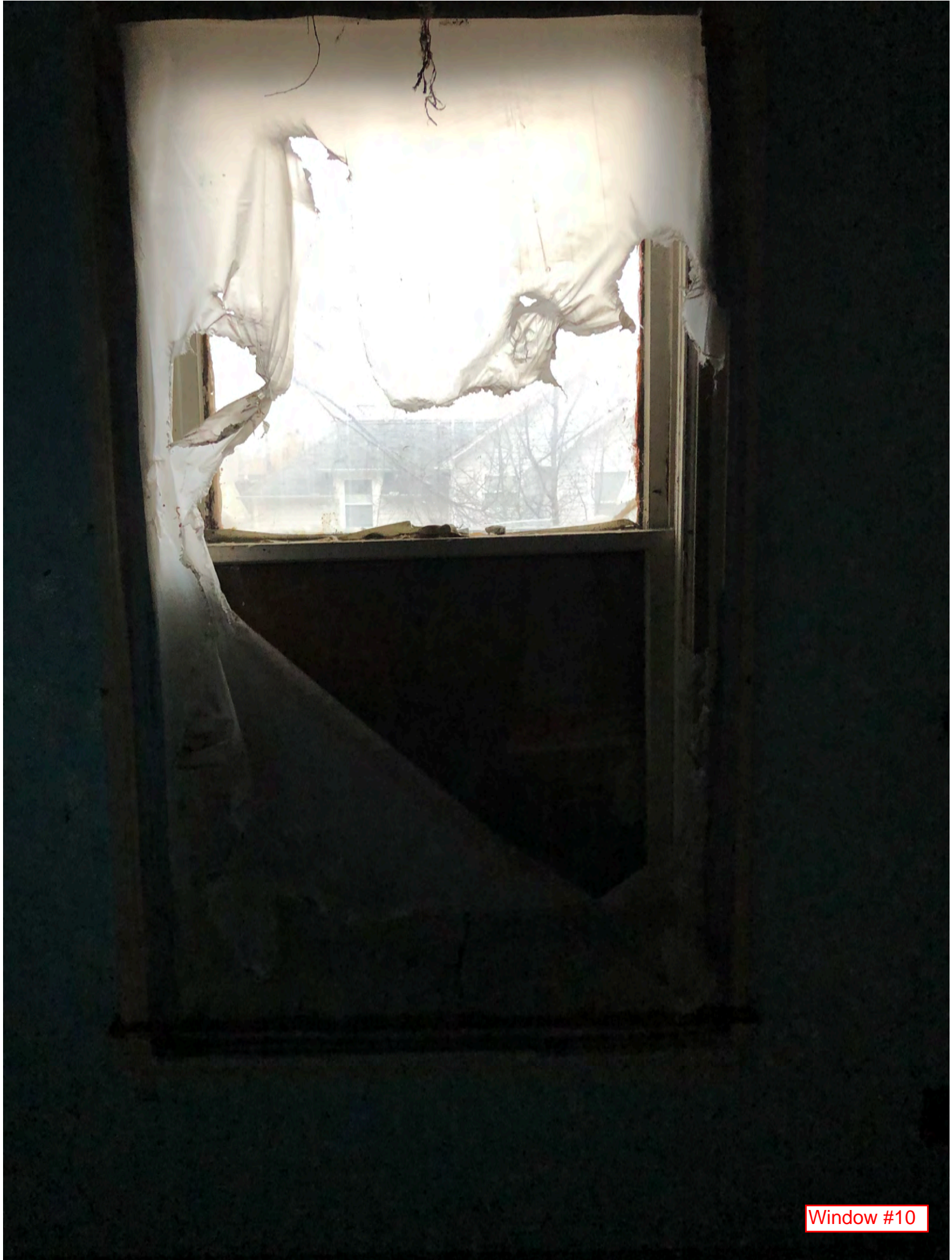
Window #9





Window #10





Window #10





Window #11





Window #11





Window #12





Window #13





Window #13





Window #13





Window #13





Window #13





Window #14





Window #14





Window #15





Window #15





Window #16





Window #16





Window #17 & #18





Window #17, #18, #19





Window #19