

RHDC
 RALEIGH HISTORIC
 DEVELOPMENT COMMISSION

CERTIFICATE OF APPROPRIATENESS PLACARD

for Raleigh Historic Resources

609 LEONIDAS COURT

Address

OAKWOOD

Historic District

Historic Property

172-17-MW

Certificate Number

11-08-2017

Date of Issue

05-08-2018

Expiration Date

Project Description:

- Enclose rear porch
- Install skylights
- Replace six windows
- Add/alter kitchen windows

This card must be kept pasted in a location within public view until all phases of the described project are complete. The work must conform with the code of the City of Raleigh and laws of the state of North Carolina. When your project is complete, you are required to ask for a final zoning inspection in a historic district area. Telephone the RHDC office at 832-7238 and commission staff will coordinate the inspection with the Inspections Department. If you do not call for this final inspection, your Certificate of Appropriateness is null and void.

Signature, _____

Melissa Robb

Raleigh Historic Development Commission

Pending the resolution of appeals, commencement of work is at your own risk.

Raleigh Historic Development Commission – Certificate of Appropriateness (COA) Application



**DEVELOPMENT
SERVICES
DEPARTMENT**

Development Services
Customer Service Center
One Exchange Plaza
1 Exchange Plaza, Suite 400
Raleigh, North Carolina 27601
Phone 919-996-2495
eFax 919-996-1831



- Minor Work (staff review) – 1 copy**
- Major Work (COA Committee review) – 10 copies**
 - Additions Greater than 25% of Building Square Footage
 - New Buildings
 - Demo of Contributing Historic Resource
 - All Other
- Post Approval Re-review of Conditions of Approval**

For Office Use Only

Transaction # 532116
 File # 172-17-MW
 Fee \$29.00
 Amount Paid \$29.00
 Received Date 10/10/17
 Received By Lidya Garcia

Property Street Address **609 Leonidas Ct**

Historic District **Historic Oakwood**

Historic Property/Landmark name (if applicable)

Owner's Name **Leanne Pruett**

Lot size **.11 acres**

(width in feet) **58'-0"**

(depth in feet) **86'-0"**

For applications that require review by the COA Committee (Major Work), provide addressed, stamped envelopes to owners of all properties within 100 feet (i.e. both sides, in front (across the street), and behind the property) not including the width of public streets or alleys ([Label Creator](#)).

Property Address	Property Address

I understand that all applications that require review by the commission's Certificate of Appropriateness Committee must be submitted by 4:00 p.m. on the application deadline; otherwise, consideration will be delayed until the following committee meeting. An incomplete application will not be accepted.

Type or print the following:

Applicant **Leanne Pruett**

Mailing Address **609 Leonidas Ct**

City **Raleigh**

State **NC**

Zip Code **27604**

Date **10/2/2017**

Daytime Phone **919-324-2145**

Email Address **leannepruett@yahoo.com**

Applicant Signature



Office Use Only

Type of Work _____

57, 65, 84, 85

Will you be applying for rehabilitation tax credits for this project? Yes No

Did you consult with staff prior to filing the application? Yes No

Design Guidelines - Please cite the applicable sections of the design guidelines (www.rhdc.org).

Section/Page	Topic	Brief Description of Work (attach additional sheets as needed)
2.8/55	Porches	<p>The house is not a contributing structure to Historic Oakwood, it was built in 1993. The owner would like to enclose an existing rear porch and turn it into a sunroom with lots of windows and full lite doors to incorporate the porch feel into the finished space. The windows will be similar in dimension to other windows already existing on the house. The owner has had a lot of trouble with the existing casement windows and is requesting that the new windows and a few of the existing casements to be double hung windows. New windows will be of the same material as the existing windows. The roof will be asphalt shingles to match the existing roof. Framing is already there so the roof will be built-up from the joists to meet the existing roof. Siding and trim will match the existing in dimension and material. The owner would like to add skylights to the new sunroom roof, again this will create a very light space that bring the porch feel inside. The two rear windows in the master bedroom, the owner would like for these to be the same sized windows (currently they are two different sizes and are in the same room). They have been sized to meet egress and are the same size as the picture windows in the front of the house.</p> <p>Paint colors will match the ones on the existing house.</p>
2.7/57	Windows + Doors	
2.5/58	Roofs	
2.6/49	Exterior Walls	

Minor Work Approval (office use only)

Upon being signed and dated below by the Planning Director or designee, this application becomes the Minor Work Certificate of Appropriateness. It is valid until _____. Please post the enclosed placard form of the certificate as indicated at the bottom of the card. Issuance of a Minor Work Certificate shall not relieve the applicant, contractor, tenant, or property owner from obtaining any other permit required by City Code or any law. Minor Works are subject to an appeals period of 30 days from the date of approval.

Signature (City of Raleigh) _____ Date _____

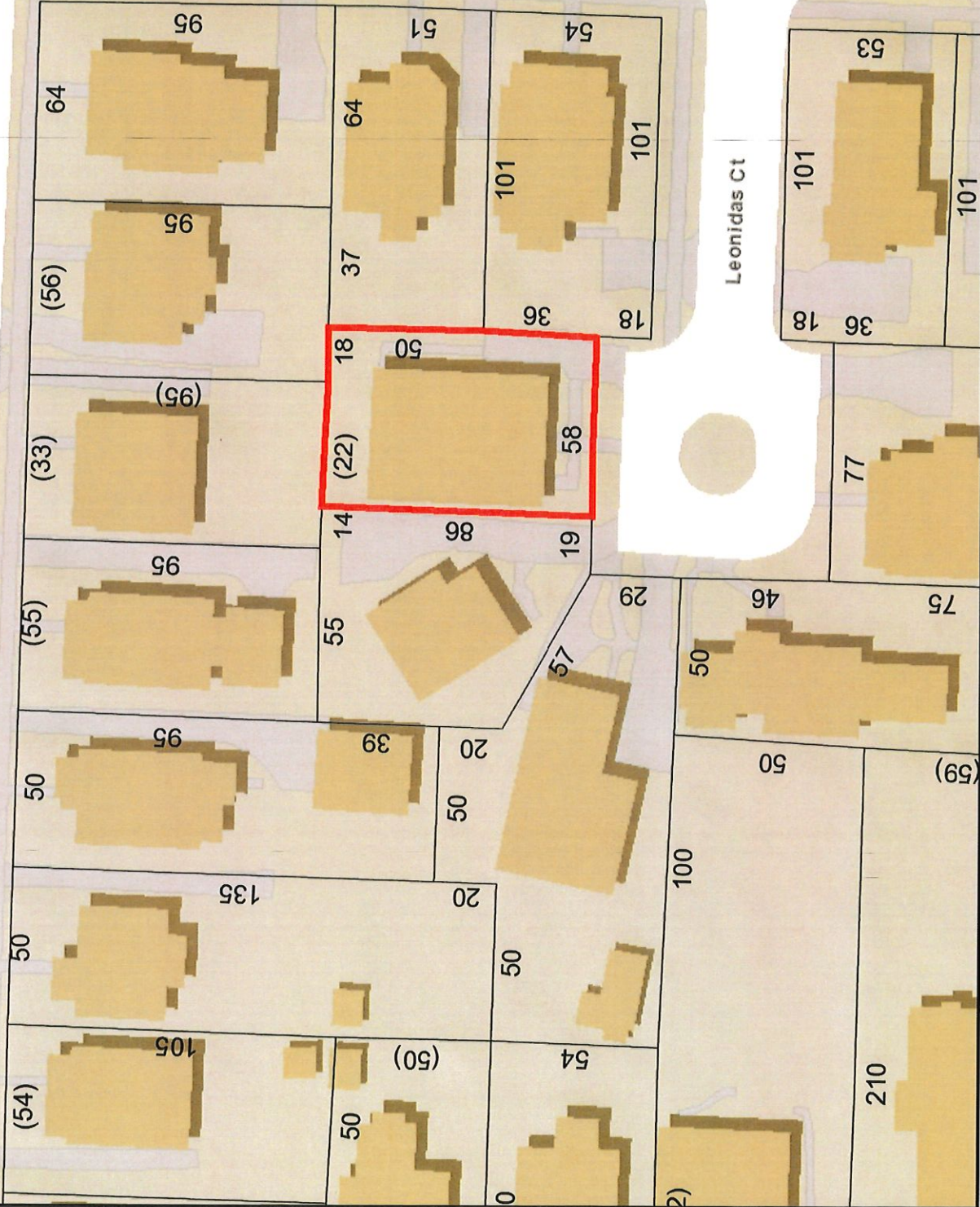
	TO BE COMPLETED BY APPLICANT		TO BE COMPLETED BY CITY STAFF		
	YES	N/A	YES	NO	N/A
Attach 8-1/2" x 11" or 11" x 17" sheets with written descriptions and drawings, photographs, and other graphic information necessary to completely describe the project. Use the checklist below to be sure your application is complete.					
Minor Work (staff review) – 1 copy					
Major Work (COA Committee review) – 10 copies					
1. Written description. Describe clearly and in detail the nature of your project. Include exact dimensions for materials to be used (e.g. width of siding, window trim, etc.)	X		✓		
2. Description of materials (Provide samples, if appropriate)	X		✓		
3. Photographs of existing conditions are required. Minimum image size 4" x 6" as printed. Maximum 2 images per page.	X		✓		
4. Paint Schedule (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>			
5. Plot plan (if applicable). A plot plan showing relationship of buildings, additions, sidewalks, drives, trees, property lines, etc., must be provided if your project includes any addition, demolition, fences/walls, or other landscape work. Show accurate measurements. You may also use a copy of the survey you received when you bought your property. Revise the copy as needed to show existing conditions and your proposed work.	X	<input type="checkbox"/>	✓		
6. Drawings showing existing and proposed work <ul style="list-style-type: none"> <input type="checkbox"/> Plan drawings <input type="checkbox"/> Elevation drawings showing the façade(s) <input type="checkbox"/> Dimensions shown on drawings and/or graphic scale (required) <input type="checkbox"/> 11" x 17" or 8-1/2" x 11" reductions of full-size drawings. If reduced size is so small as to be illegible, make 11" x 17" or 8-1/2" x 11" snap shots of individual drawings from the big sheet. 	X	<input type="checkbox"/>	✓		
7. Stamped envelopes addressed to all property owners within 100 feet of property not counting the width of public streets and alleys (required for Major Work). Use the Label Creator to determine the addresses.	<input type="checkbox"/>	X			✓
8. Fee (See Development Fee Schedule)	X		✓		

N Boundary St

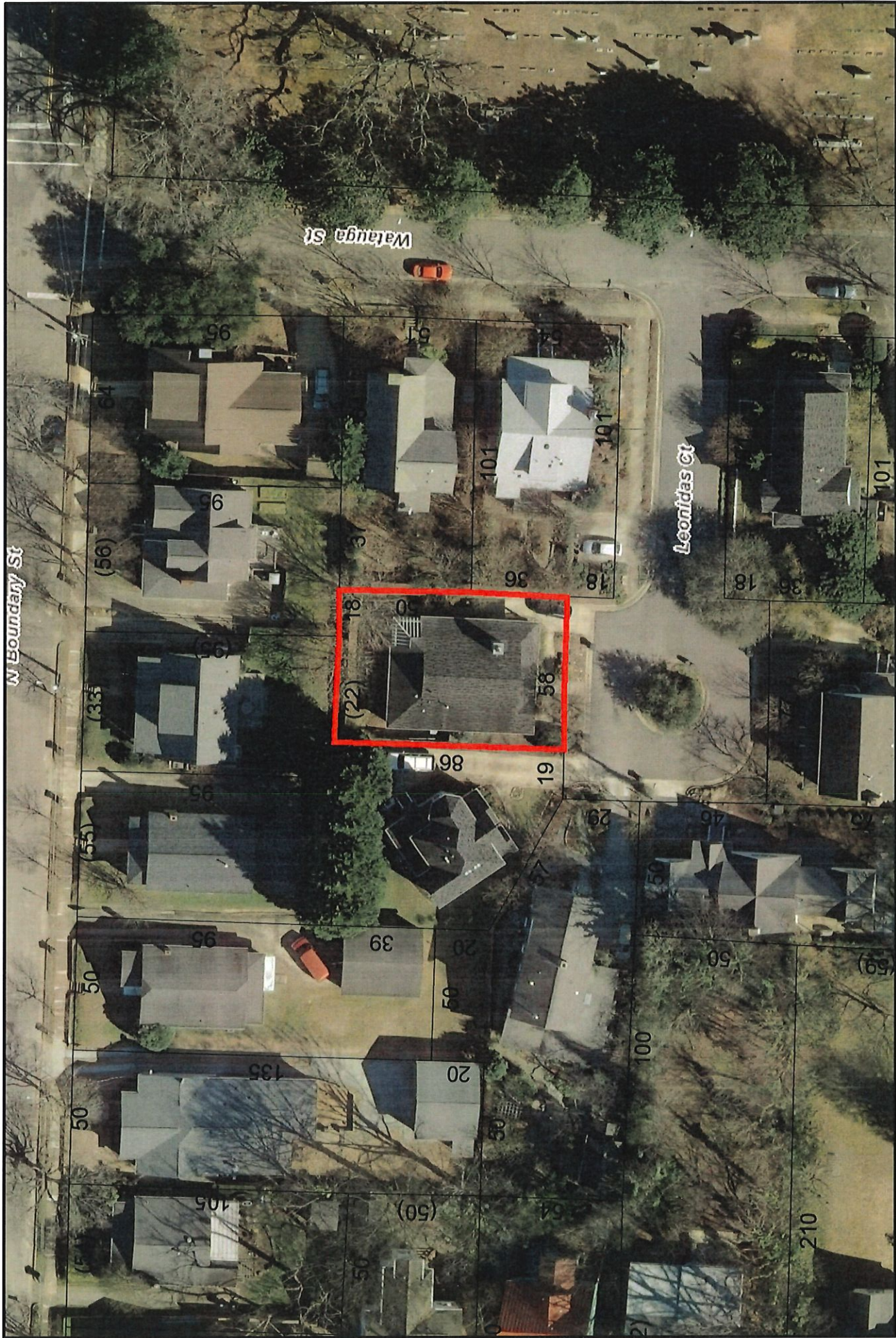
Watauga St

Leonidas Ct

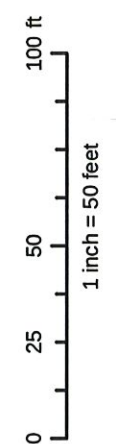
609 Leonidas Ct - imap



Disclaimer
IMaps makes every effort to produce and publish the most current and accurate information possible. However, the maps are produced for information purposes and are NOT surveys. No warranties, expressed or implied, are provided for the data therein, its use, or its interpretation.



609 Leonidas Ct - aerial



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Proposed Changes to 609 Leonidas Ct

The home owner for 609 Leonidas Ct, a non-contributing structure built in 1993, would like to enclose an existing rear porch. The enclosure would include two exterior walls to be added using Hardie siding and trim to match existing. The roof framing already exist, sheathing and asphalt roof shingles will be added to match existing to finish out the roof. Overhangs and eave details are to match the existing.

Section 2.8

7. Consider the enclosure of a historic porch to accommodate a new use only if the enclosure can be designed to preserve the historic character of the porch and the building. It is not appropriate to enclose a front porch or a front balcony. – **The porch that is being enclosed is located on the rear of the house, the least character defining elevation. A tall fence also obscures most of the view of the porch from the street. The house is not historic, it was built in 1993. The enclosure of the porch will be lined with large windows and full lite patio doors to keep the feel of the open porch by flooding the room with light and views of the outdoors. Skylights will be added to the roof over the sun room again to allow for more natural light and views of the sky, similar to the existing porch with the open roof framing.**

The new windows for the sun room will be wood double hung windows, they will be similar in dimension and proportion to the existing windows already on the house. The home owner has had a lot of trouble with the existing casement windows and would like to replace several of these existing casement windows with double hung windows for ease of use and egress. Two windows to be replaced on the rear elevation in the master bedroom, two different sized casements will be replaced with matching double hung windows that are sized to meet egress. These windows match the dimensions and proportions of the center picture window in the three window sets on the front elevation. The home owner would like to replace the two small casement windows in each of those three window sets on the front elevation with the same size double hung windows. A set of three windows to be added over the kitchen sink to replace the two existing casement windows. The three windows pick up the design of the existing sets of three windows on the front of the house – one larger picture window, flanked by two smaller operable windows.

Section 2.7

9. If additional windows or doors are necessary for a new use, install them on a rear or non-character-defining facade of the building, but only if they do not compromise the architectural integrity of the building. Design such units to be compatible with the overall design of the building, but not to duplicate the original. – **New windows are being added on the rear elevation and a small portion of the back driveway side elevation, on lesser character defining elevations. The house is not historic so we are not removing historic fabric in order to add these windows.**

6. If a historic window or door unit is deteriorated beyond repair, replace the unit in kind, matching the design and the dimension of the original sash or panels, pane configuration, architectural trim, detailing, and materials. Consider compatible substitute materials only if using the original material is not technically feasible. – **This house is not historic and so the windows are not historic fabric. The existing**

casements noted in the plan and elevations are to be replaced with double hung windows due to wracking and inoperability of the existing casements. The front windows requested to be replaced will be a function change only from casement to double hung. Size and material will stay the same.

Section 2.5

10. It is not appropriate to introduce new roof features such as skylights, dormers, or vents if they will compromise the historic roof design, or damage characterdefining roof materials or the character of the historic district or landmark. – **This is not a historic house and currently the rear porch has open rafters for the porch roof, the skylights that we are adding to the new finished out roof will help bring the same feel to the sun room as the open framing did for the porch.**

609 Leonidas Ct



Front Elevation + Side
Elevation



609 Leonidas Ct





Driveway Side Elevation
photo from the rear yard + photo
from the front yard



Existing Rear Porch
and roof framing





Existing side elevation
and side yard

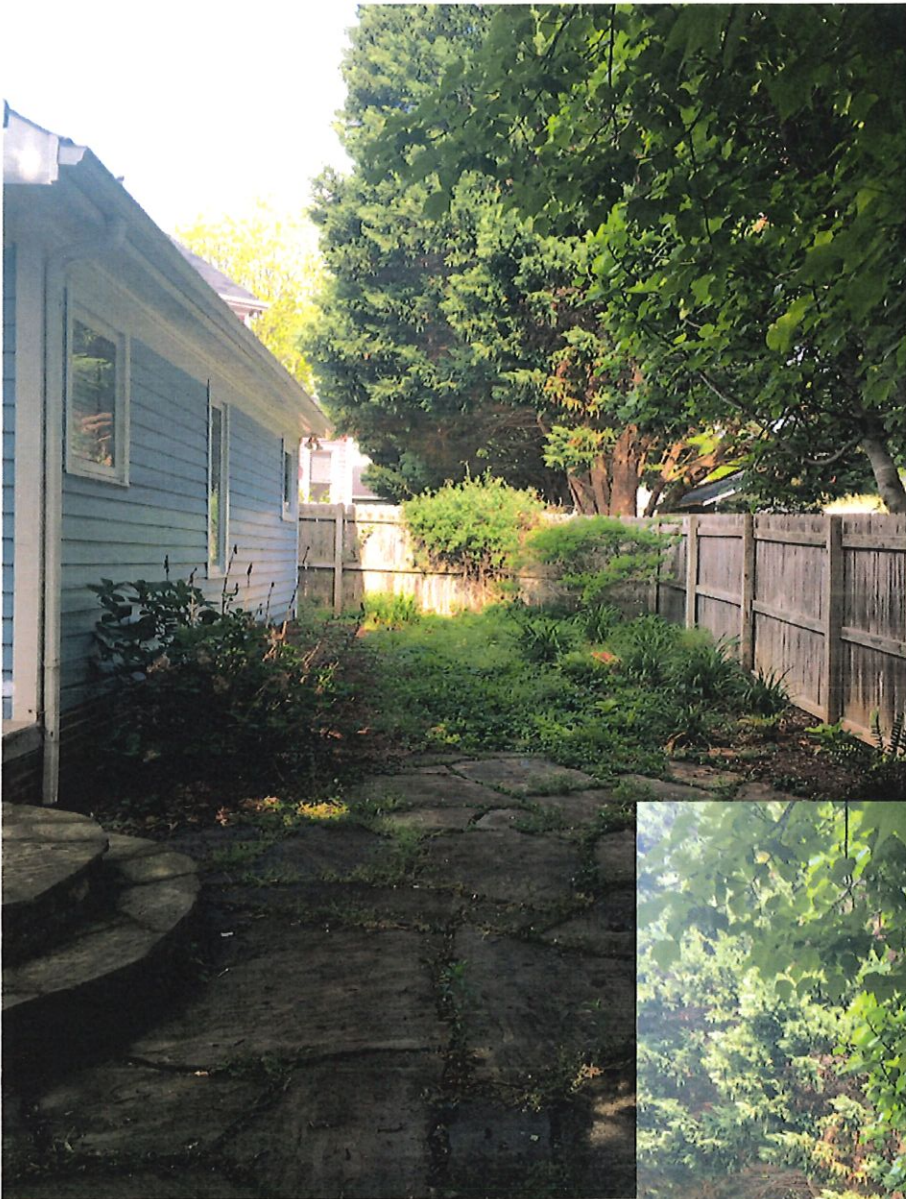


609 Leonidas Ct

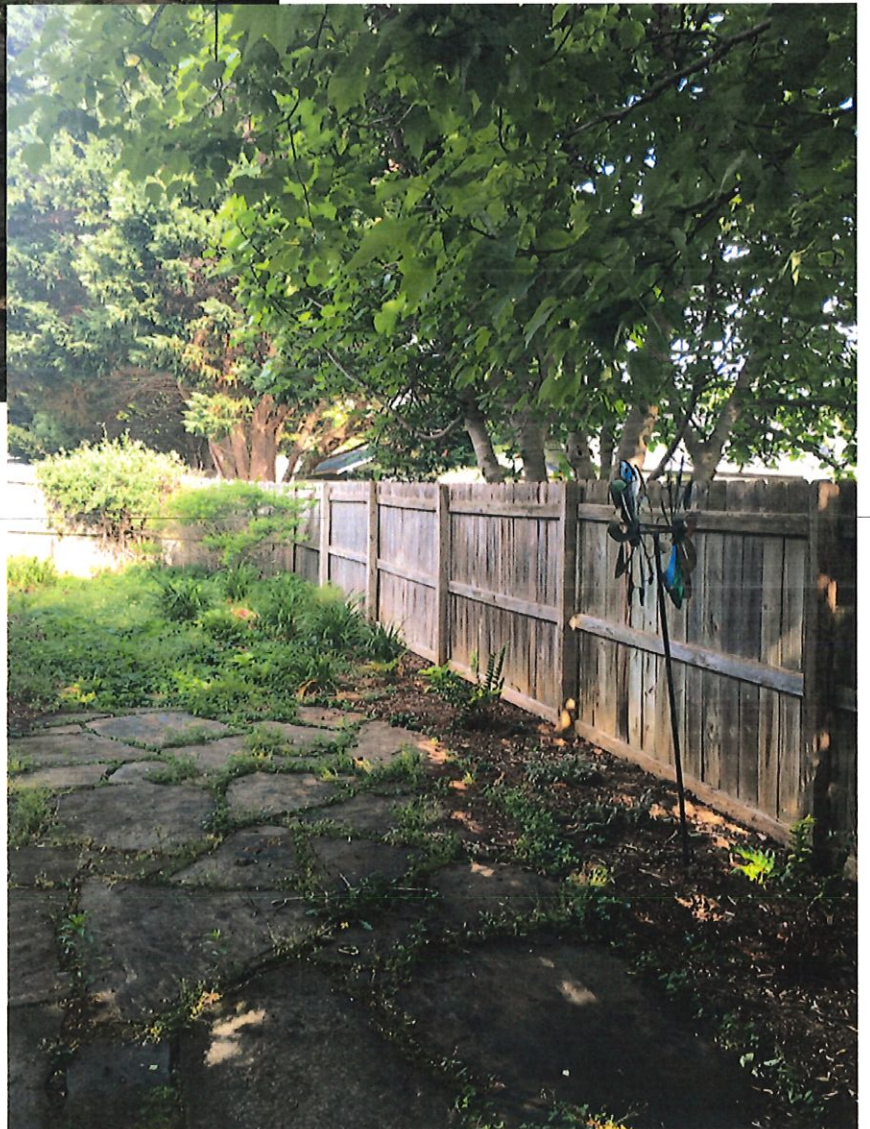


Rear Elevation
and rear yard





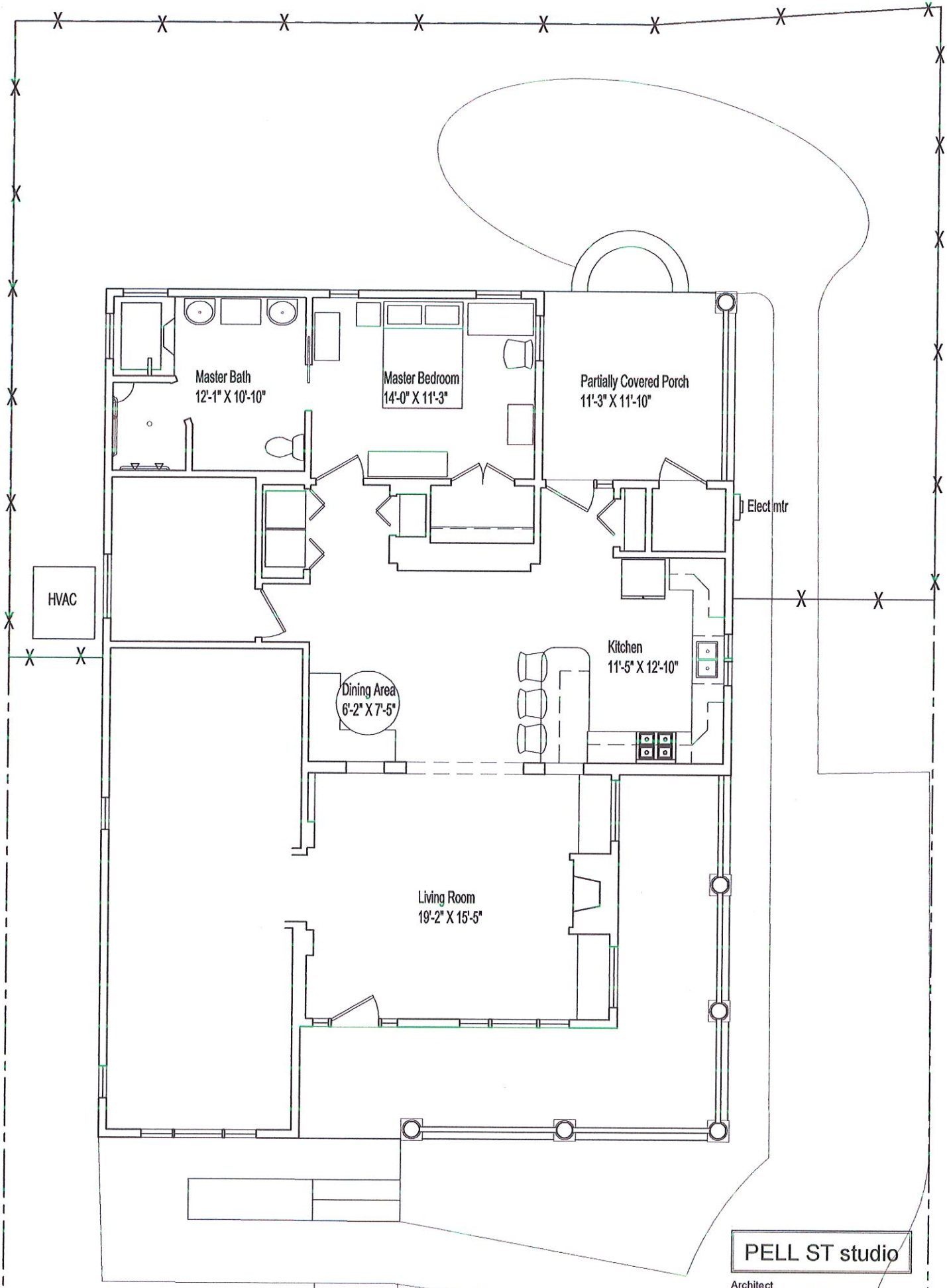
Rear Elevation
and rear yard





Rear Elevation
and rear yard



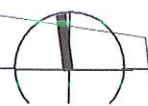


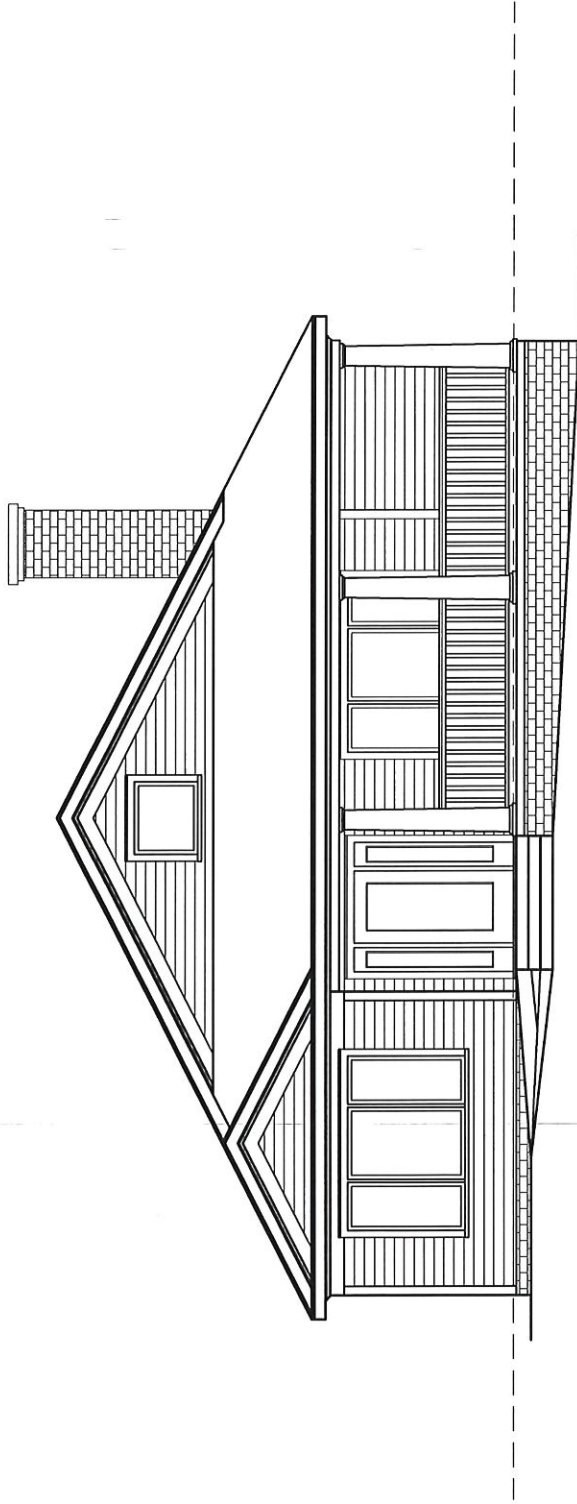
609 Leonnidas Ct - Existing Ground Floor Plan + Site

Scale - 1/8" = 1'-0"

PELL ST studio

Architect
 Ashley Henkel Morris
 306 Pell Street
 Raleigh, NC 27604
 919.696.0970



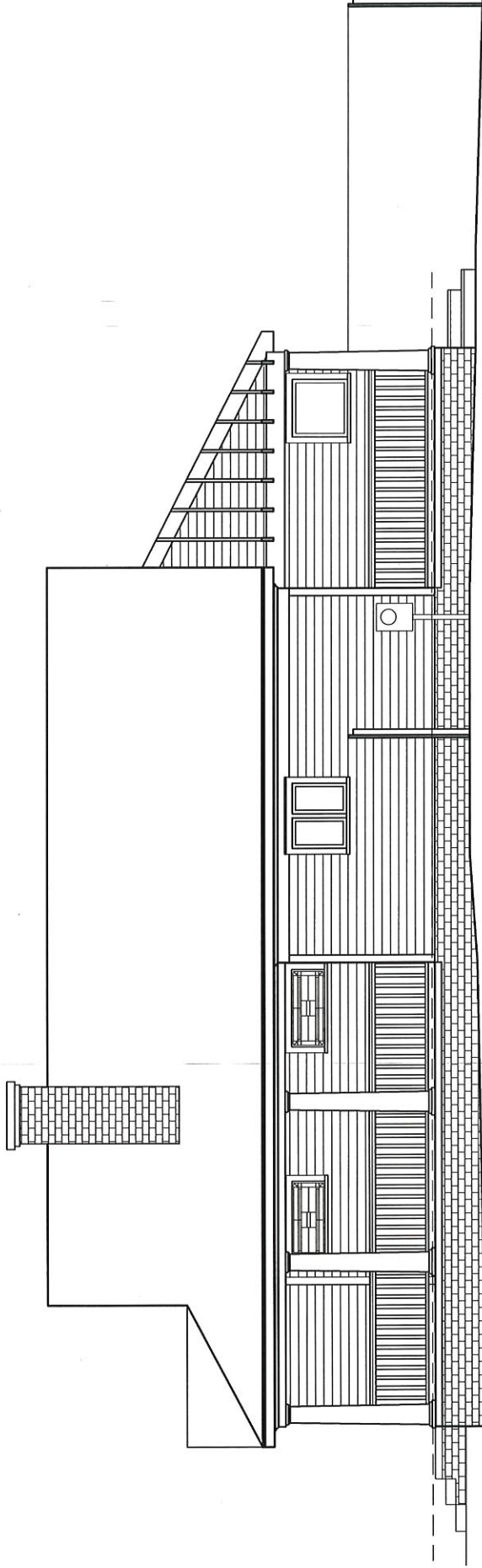


PELL ST studio

Architect
Ashley Henkel Morris
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Raleigh, NC 27604
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609 Leonnidas Ct - Existing Front Elevation

Scale - 1/8" = 1'-0"

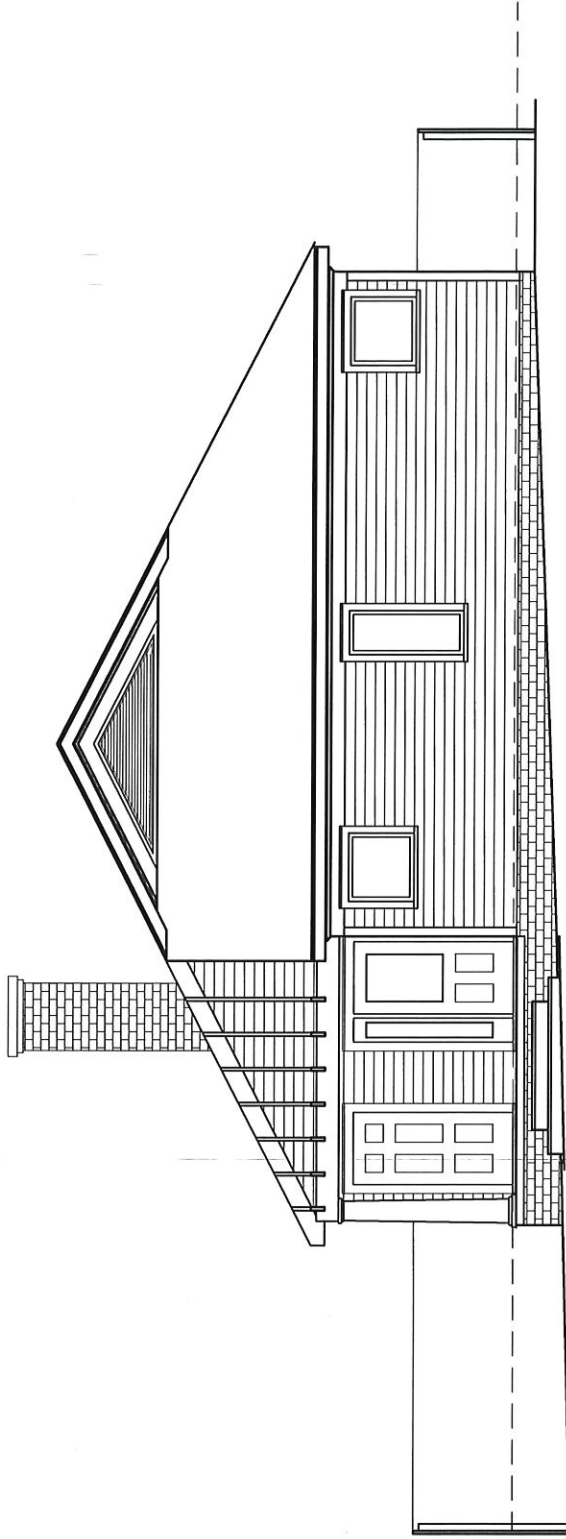


PELL ST studio

Architect
Ashley Henkel Morris
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Raleigh, NC 27604
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609 Leonnidas Ct - Existing Driveway Side Elevation

Scale - 1/8" = 1'-0"

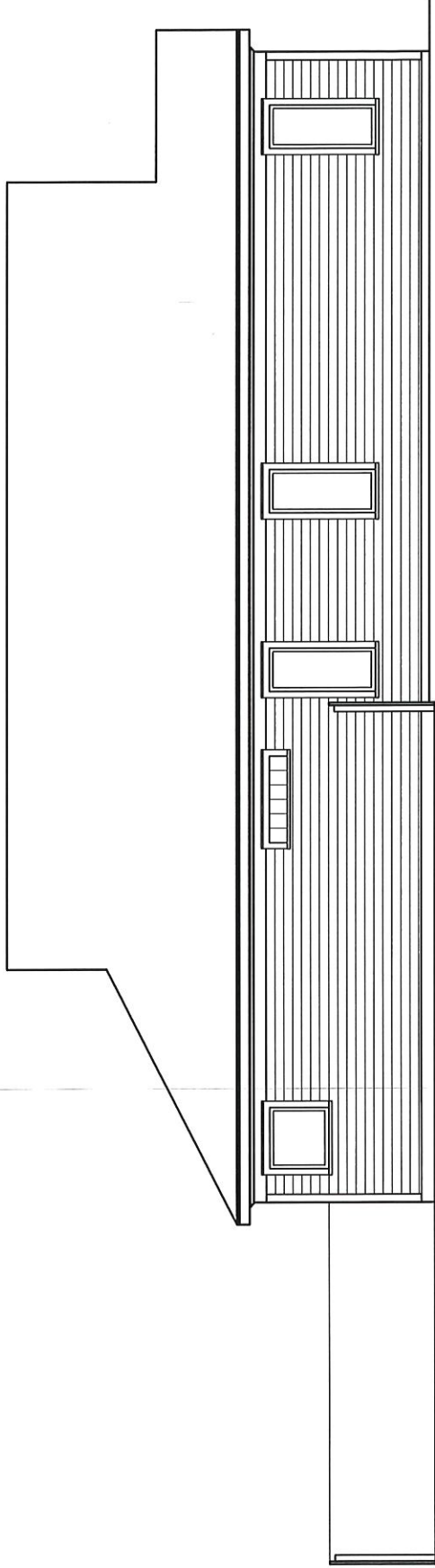


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919.696.0970

609 Leonnidas Ct - Existing Rear Elevation

Scale - 1/8" = 1'-0"

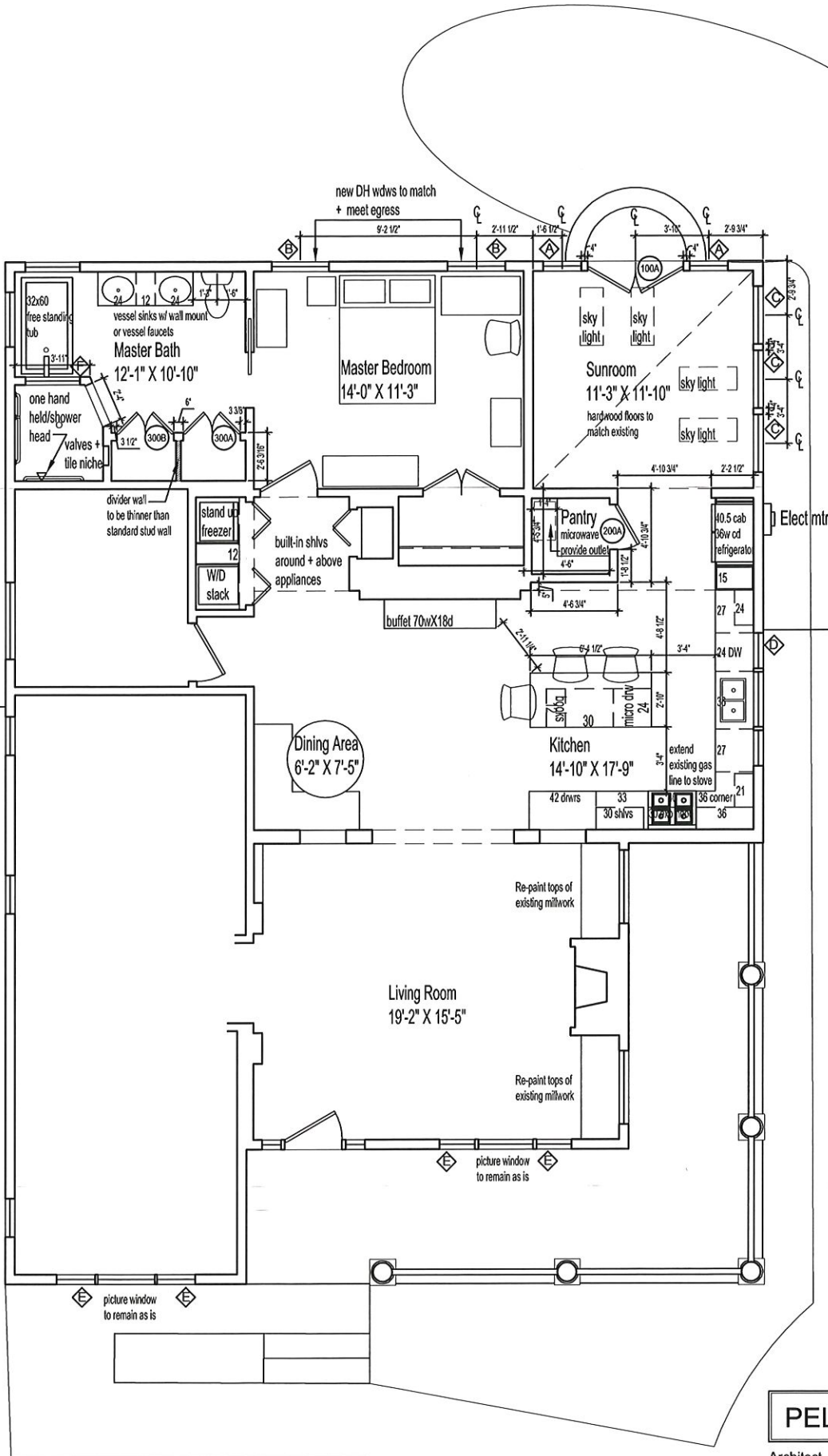


PELL ST studio

Architect
Ashley Henkel Morris
306 Pell Street
Raleigh, NC 27604
919.696.0970

609 Leonnidas Ct - Existing Side Elevation

Scale - 1/8" = 1'-0"



Door Schedule - Existing door heights vary slightly. GC to verify all sizing for repurposed and new doors. Reuse doors where possible.

- (100A) (2) 2'-6" x 6'-8" exterior door full tile wood patio doors
- (200A) 2'-4" x 6'-8" new interior door to match existing doors in style + material
- (300A) (2) 1'-6" x 6'-8" new interior door to match existing doors in style + material
- (300B) (2) 1'-6" x 6'-8" new interior door to match existing doors in style + material

Window Schedule - Window dimensions will vary per manufacturer and material of windows. GC to verify all sizing and make modifications as required. Head this to align. New wood windows will not have grilles.

- A 2'-0" x 5'-4" DH, wood wdw to match existing GC to verify dims w/manufacturer
- B 3'-0" x 5'-0" DH, wood wdw to match existing. GC to verify dims w/manufacturer
- C 3'-0" x 5'-4" DH, wood wdw to match existing. GC to verify dims w/manufacturer
- D (2) 1'-10" x 3'-4" DHs ganged with a 2'-10" x 3'-4" center fixed window. Wood wdws to match existing. GC to verify dims w/manufacturer
- E 2'-0" x 5'-0" DH to replace failing existing casement. GC to verify dims w/manufacturer
- F 2'-10" x 2'-9" fixed interior window, wdw to match existing. GC to verify dims w/manufacturer. New Bathroom window to be frosted to match existing

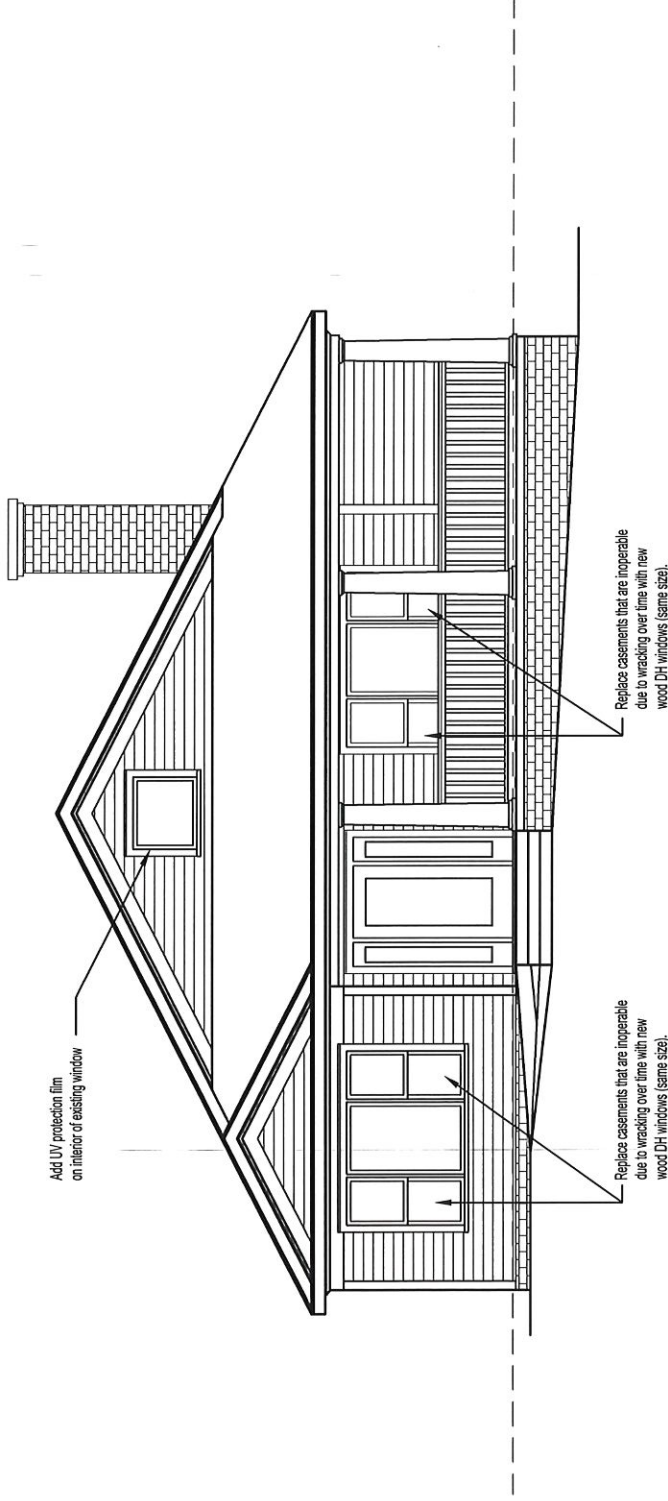
PELL ST studio

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 919.696.0970

609 Leonidas Ct - New Ground Floor Plan

Scale - 1/8" = 1'-0"





Add UV protection film
on interior of existing window

Replace casements that are inoperable
due to warping over time with new
wood DH windows (same size).

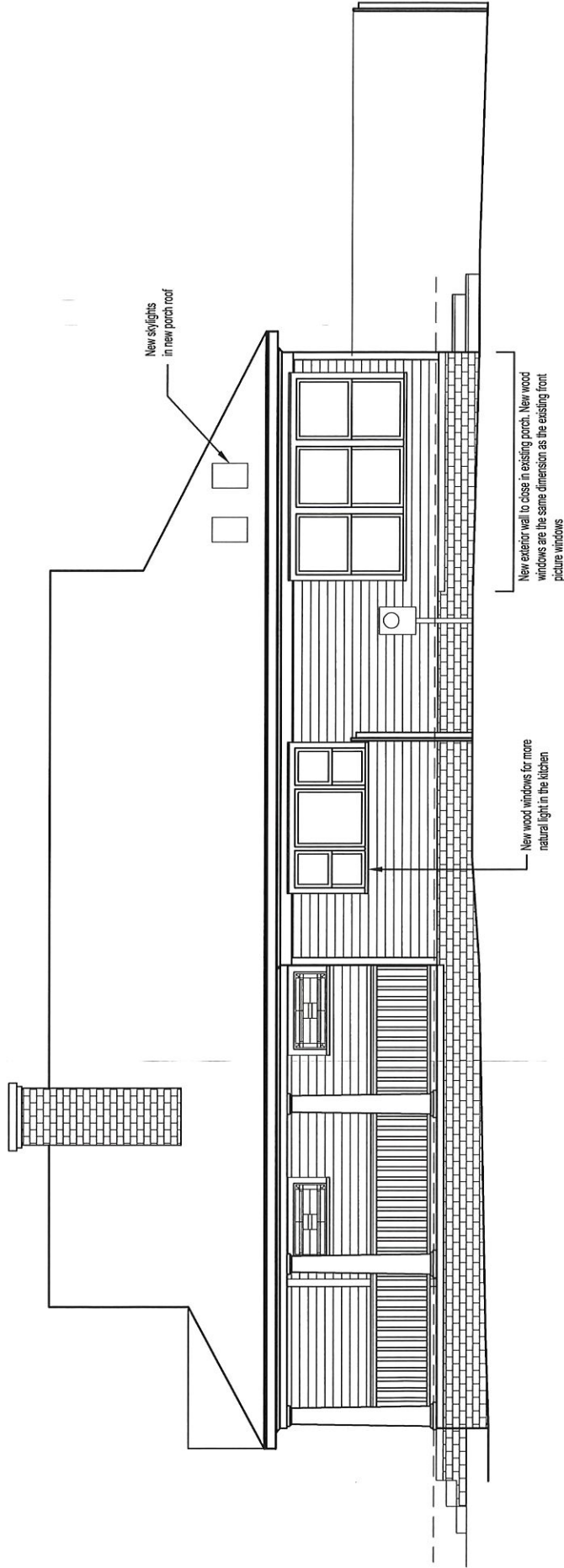
Replace casements that are inoperable
due to warping over time with new
wood DH windows (same size).

PELL ST studio

Architect
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Raleigh, NC 27604
919.696.0970

609 Leonnidas Ct - New Front Elevation (window changes)

Scale - 1/8" = 1'-0"

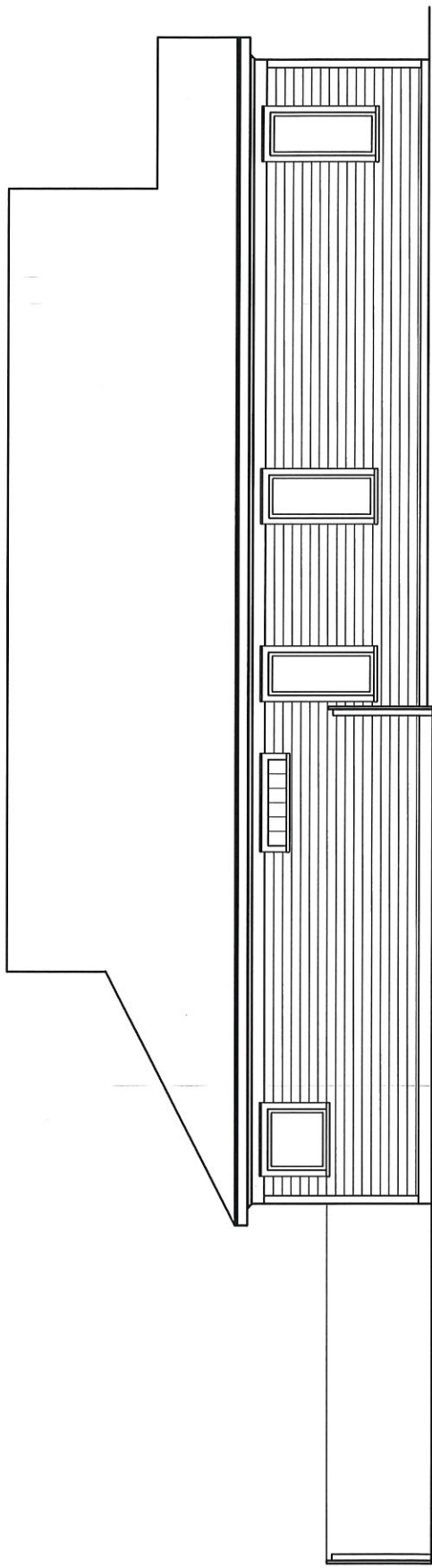


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 Raleigh, NC 27604
 919.696.0970

609 Leonnidas Ct - New Driveway Side Elevation

Scale - 1/8" = 1'-0"

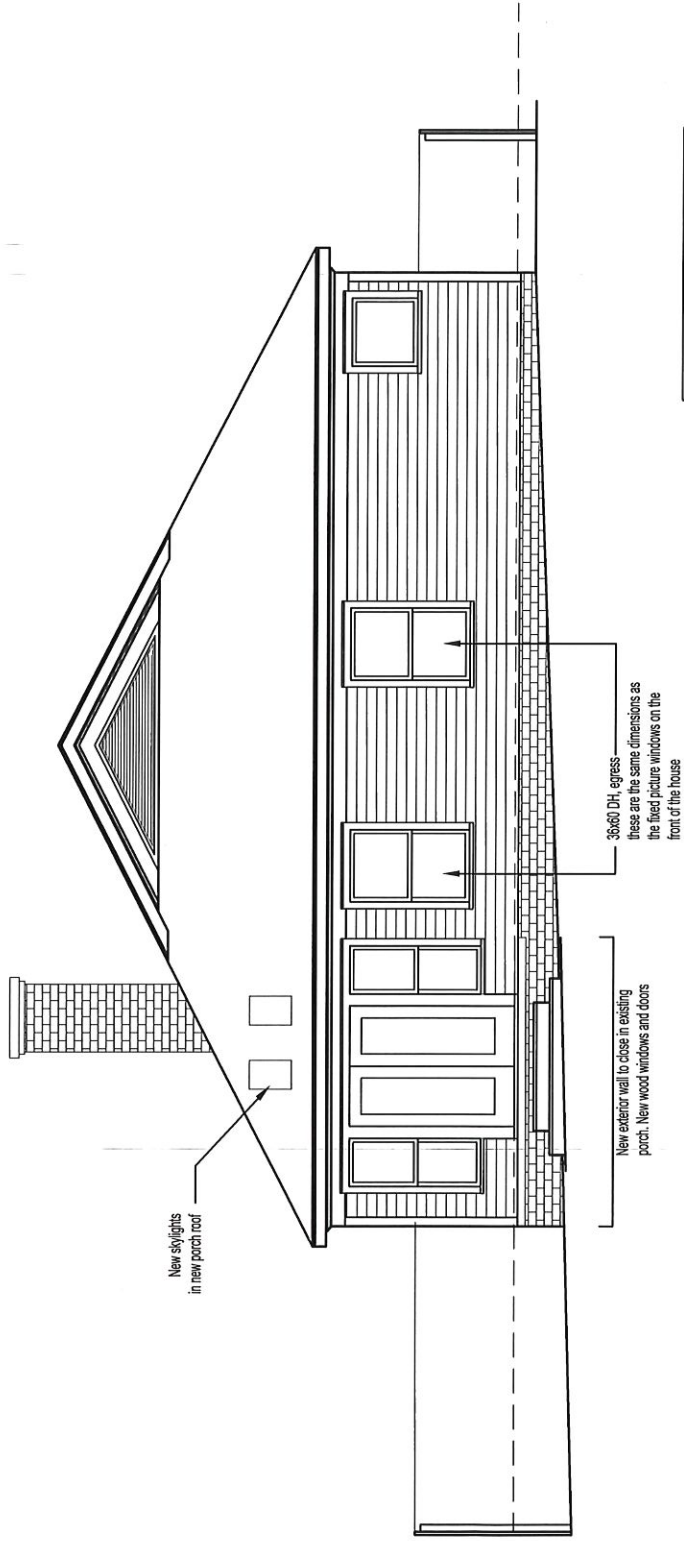


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609 Leonnidas Ct - Existing Side Elevation

Scale - 1/8" = 1'-0"

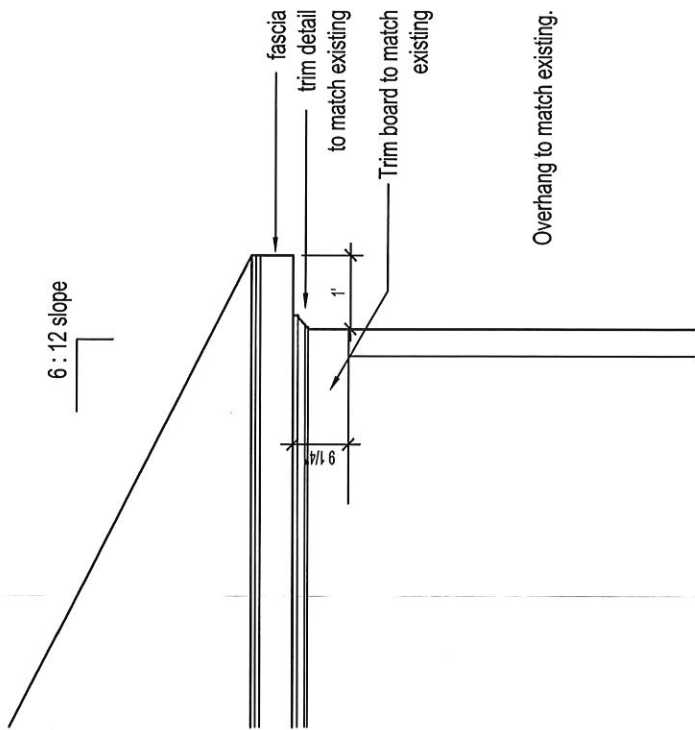


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609 Leonnidas Ct - New Rear Elevation

Scale - 1/8" = 1'-0"

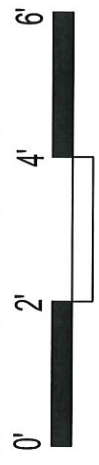


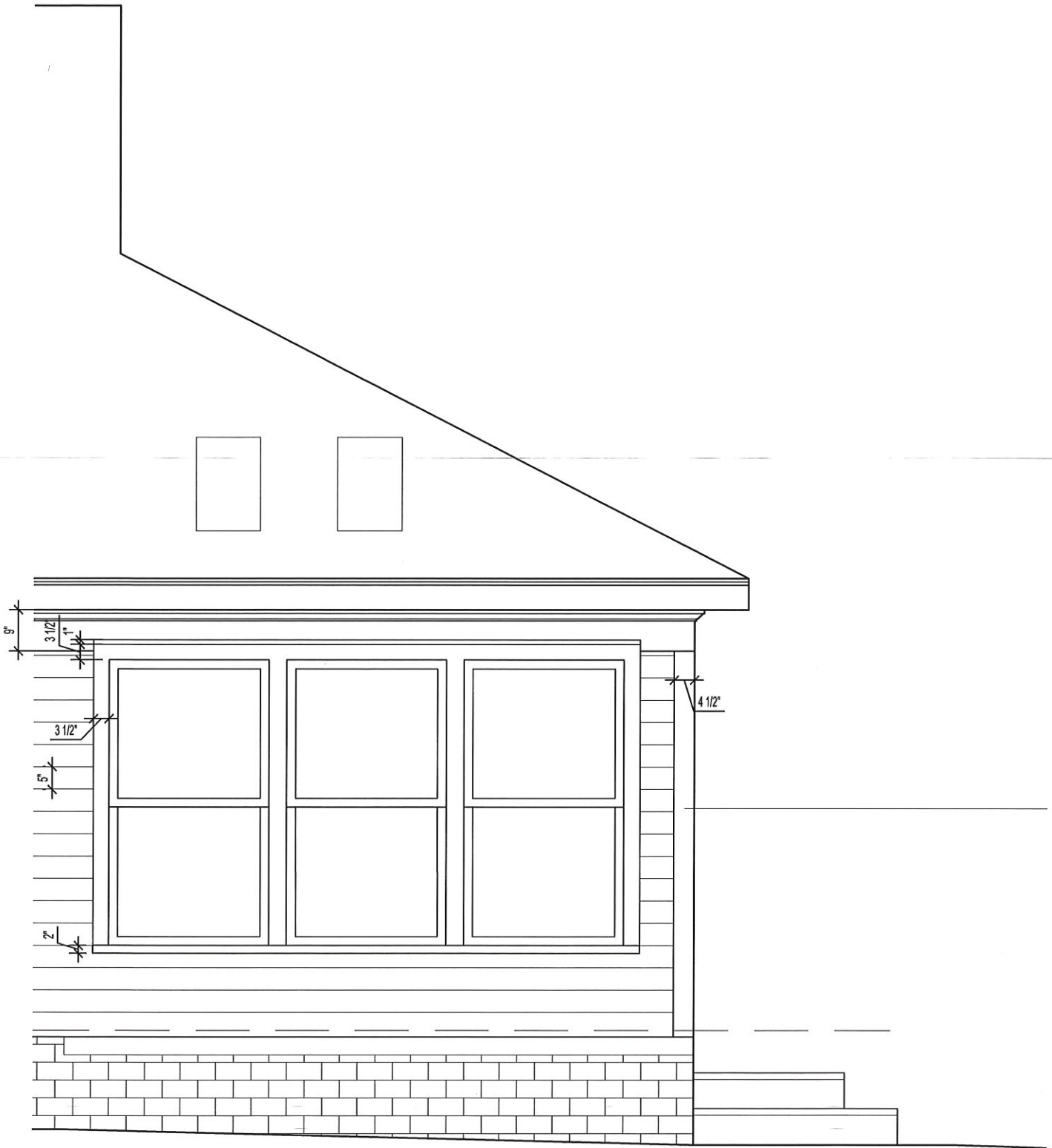
PELL ST studio

Architect
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306 Pell Street
Raleigh, NC 27604
919.696.0970

609 Leonidas Ct - New Eave Detail to Match Existing

Scale - 3/8" = 1'-0"





609 Leonidas Ct - New Window and Trim Detail

Scale - 3/8" = 1'-0"

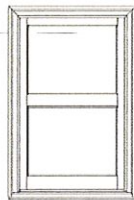
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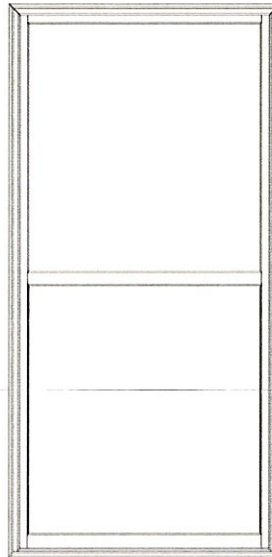




MIN-MAX SIZING AND FORMULAS



Minimum Size:
21 3/8" x 32"



Maximum Size(s):
45 3/8" x 92"

Understanding JELD-WEN Book Codes:

Product	Prefix	Frame Width	Frame Height
Siteline Wood Double-Hung	SWD	WW	HH

Sample Book Code: **SWD2432** [Siteline Wood Double-Hung, 24" Wide, 32" Tall]

Formulas:

Rough Opening
(Frame Width + 3/4") x (Frame Height + 3/4")

Daylight Opening
[(Frame Width - 3.3437") x ((Frame Height/2) - 4.6525")]/144

Masonry Opening
Unit Size (Height or Width) w/Trim - 1/2"

General Double-Hung Notes:

- Siteline Wood Double-Hung (SWD) units are available as operating or fixed units.
- Unit elevations are shown without exterior trim.
- Masonry Opening will depend on type of trim selected. Refer to ADM Unit Sizing page along with above formula to find Masonry Openings.

		EGRESS CHART							
		WIDTH (INCHES)							
		21 3/8	25 3/8	29 3/8	31 3/8	33 3/8	37 3/8	41 3/8	45 3/8
HEIGHT (INCHES)	32	1.50	1.84	2.18	2.35	2.52	2.86	3.20	3.54
	36	1.74	2.14	2.54	2.73	2.93	3.33	3.72	4.12
	40	1.99	2.44	2.89	3.12	3.34	3.79	4.25	4.70
	44	2.23	2.74	3.25	3.50	3.75	4.26	4.77	5.28
	48	2.48	3.04	3.60	3.88	4.17	4.73	5.29	5.85
	52	2.72	3.34	3.96	4.27	4.58	5.20	5.81	6.43
	56	2.97	3.64	4.32	4.65	4.99	5.66	6.34	7.01
	60	3.21	3.94	4.67	5.04	5.40	6.13	6.86	7.59
	64	3.46	4.24	5.03	5.42	5.81	6.60	7.38	8.17
	68	3.70	4.54	5.38	5.80	6.22	7.06	7.90	8.74
	72	3.95	4.84	5.74	6.19	6.63	7.53	8.43	9.32
	76	4.19	5.14	6.09	6.57	7.05	8.00	8.95	9.90
80	4.44	5.44	6.45	6.95	7.46	8.46	9.47	10.48	
88	4.93	6.04	7.16	7.72	8.28	9.40	10.52	11.63	
92	5.17	6.34	7.52	8.11	8.69	9.87	11.04	12.21	

Indicates that the unit meets egress specifications. Clear opening must meet or exceed 20' width, 24' height, and 5.7 ft². The number inside indicates the clear opening square footage. Values are for single operator units only.




SINGLE UNITS

		Width (Inches)					Book Code
		21 3/8	25 3/8	29 3/8	31 3/8	33 3/8	
32	SWD2132	SWD2532	SWD2932	SWD3132	SWD3332	Book Code	
	22-1/8" x 32-3/4"	26-1/8" x 32-3/4"	30-1/8" x 32-3/4"	32-1/8" x 32-3/4"	34-1/8" x 32-3/4"	Rough Opening	
	4.09 ft ²	4.91 ft ²	5.74 ft ²	6.15 ft ²	6.56 ft ²	Daylight Opening	
	1.5 ft ²	1.84 ft ²	2.18 ft ²	2.35 ft ²	2.52 ft ²	Clear/Vent Opening	
36	SWD2136	SWD2536	SWD2936	SWD3136	SWD3336	Book Code	
	22-1/8" x 36-3/4"	26-1/8" x 36-3/4"	30-1/8" x 36-3/4"	32-1/8" x 36-3/4"	34-1/8" x 36-3/4"	Rough Opening	
	4.63 ft ²	5.57 ft ²	6.51 ft ²	6.97 ft ²	7.44 ft ²	Daylight Opening	
	1.74 ft ²	2.14 ft ²	2.54 ft ²	2.73 ft ²	2.93 ft ²	Clear/Vent Opening	
40	SWD2140	SWD2540	SWD2940	SWD3140	SWD3340	Book Code	
	22-1/8" x 40-3/4"	26-1/8" x 40-3/4"	30-1/8" x 40-3/4"	32-1/8" x 40-3/4"	34-1/8" x 40-3/4"	Rough Opening	
	5.18 ft ²	6.23 ft ²	7.27 ft ²	7.8 ft ²	8.32 ft ²	Daylight Opening	
	1.99 ft ²	2.44 ft ²	2.89 ft ²	3.12 ft ²	3.34 ft ²	Clear/Vent Opening	
44	SWD2144	SWD2544	SWD2944	SWD3144	SWD3344	Book Code	
	22-1/8" x 44-3/4"	26-1/8" x 44-3/4"	30-1/8" x 44-3/4"	32-1/8" x 44-3/4"	34-1/8" x 44-3/4"	Rough Opening	
	5.73 ft ²	6.89 ft ²	8.04 ft ²	8.62 ft ²	9.2 ft ²	Daylight Opening	
	2.23 ft ²	2.74 ft ²	3.25 ft ²	3.5 ft ²	3.75 ft ²	Clear/Vent Opening	
48	SWD2148	SWD2548	SWD2948	SWD3148	SWD3348	Book Code	
	22-1/8" x 48-3/4"	26-1/8" x 48-3/4"	30-1/8" x 48-3/4"	32-1/8" x 48-3/4"	34-1/8" x 48-3/4"	Rough Opening	
	6.28 ft ²	7.55 ft ²	8.81 ft ²	9.45 ft ²	10.08 ft ²	Daylight Opening	
	2.48 ft ²	3.04 ft ²	3.6 ft ²	3.88 ft ²	4.17 ft ²	Clear/Vent Opening	
52	SWD2152	SWD2552	SWD2952	SWD3152	SWD3352	Book Code	
	22-1/8" x 52-3/4"	26-1/8" x 52-3/4"	30-1/8" x 52-3/4"	32-1/8" x 52-3/4"	34-1/8" x 52-3/4"	Rough Opening	
	6.82 ft ²	8.2 ft ²	9.58 ft ²	10.27 ft ²	10.96 ft ²	Daylight Opening	
	2.72 ft ²	3.34 ft ²	3.96 ft ²	4.27 ft ²	4.58 ft ²	Clear/Vent Opening	
56	SWD2156	SWD2556	SWD2956	SWD3156	SWD3356	Book Code	
	22-1/8" x 56-3/4"	26-1/8" x 56-3/4"	30-1/8" x 56-3/4"	32-1/8" x 56-3/4"	34-1/8" x 56-3/4"	Rough Opening	
	7.37 ft ²	8.86 ft ²	10.35 ft ²	11.1 ft ²	11.84 ft ²	Daylight Opening	
	2.97 ft ²	3.64 ft ²	4.32 ft ²	4.65 ft ²	4.99 ft ²	Clear/Vent Opening	
60	SWD2160	SWD2560	SWD2960	SWD3160	SWD3360	Book Code	
	22-1/8" x 60-3/4"	26-1/8" x 60-3/4"	30-1/8" x 60-3/4"	32-1/8" x 60-3/4"	34-1/8" x 60-3/4"	Rough Opening	
	7.92 ft ²	9.52 ft ²	11.12 ft ²	11.92 ft ²	12.72 ft ²	Daylight Opening	
	3.21 ft ²	3.94 ft ²	4.67 ft ²	5.04 ft ²	5.4 ft ²	Clear/Vent Opening	
64	SWD2164	SWD2564	SWD2964	SWD3164	SWD3364	Book Code	
	22-1/8" x 64-3/4"	26-1/8" x 64-3/4"	30-1/8" x 64-3/4"	32-1/8" x 64-3/4"	34-1/8" x 64-3/4"	Rough Opening	
	8.47 ft ²	10.18 ft ²	11.89 ft ²	12.75 ft ²	13.61 ft ²	Daylight Opening	
	3.46 ft ²	4.24 ft ²	5.03 ft ²	5.42 ft ²	5.81 ft ²	Clear/Vent Opening	
68	SWD2168	SWD2568	SWD2968	SWD3168	SWD3368	Book Code	
	22-1/8" x 68-3/4"	26-1/8" x 68-3/4"	30-1/8" x 68-3/4"	32-1/8" x 68-3/4"	34-1/8" x 68-3/4"	Rough Opening	
	9.01 ft ²	10.84 ft ²	12.66 ft ²	13.57 ft ²	14.49 ft ²	Daylight Opening	
	3.7 ft ²	4.54 ft ²	5.38 ft ²	5.8 ft ²	6.22 ft ²	Clear/Vent Opening	
72	SWD2172	SWD2572	SWD2972	SWD3172	SWD3372	Book Code	
	22-1/8" x 72-3/4"	26-1/8" x 72-3/4"	30-1/8" x 72-3/4"	32-1/8" x 72-3/4"	34-1/8" x 72-3/4"	Rough Opening	
	9.56 ft ²	11.5 ft ²	13.43 ft ²	14.4 ft ²	15.37 ft ²	Daylight Opening	
	3.95 ft ²	4.84 ft ²	5.74 ft ²	6.19 ft ²	6.63 ft ²	Clear/Vent Opening	



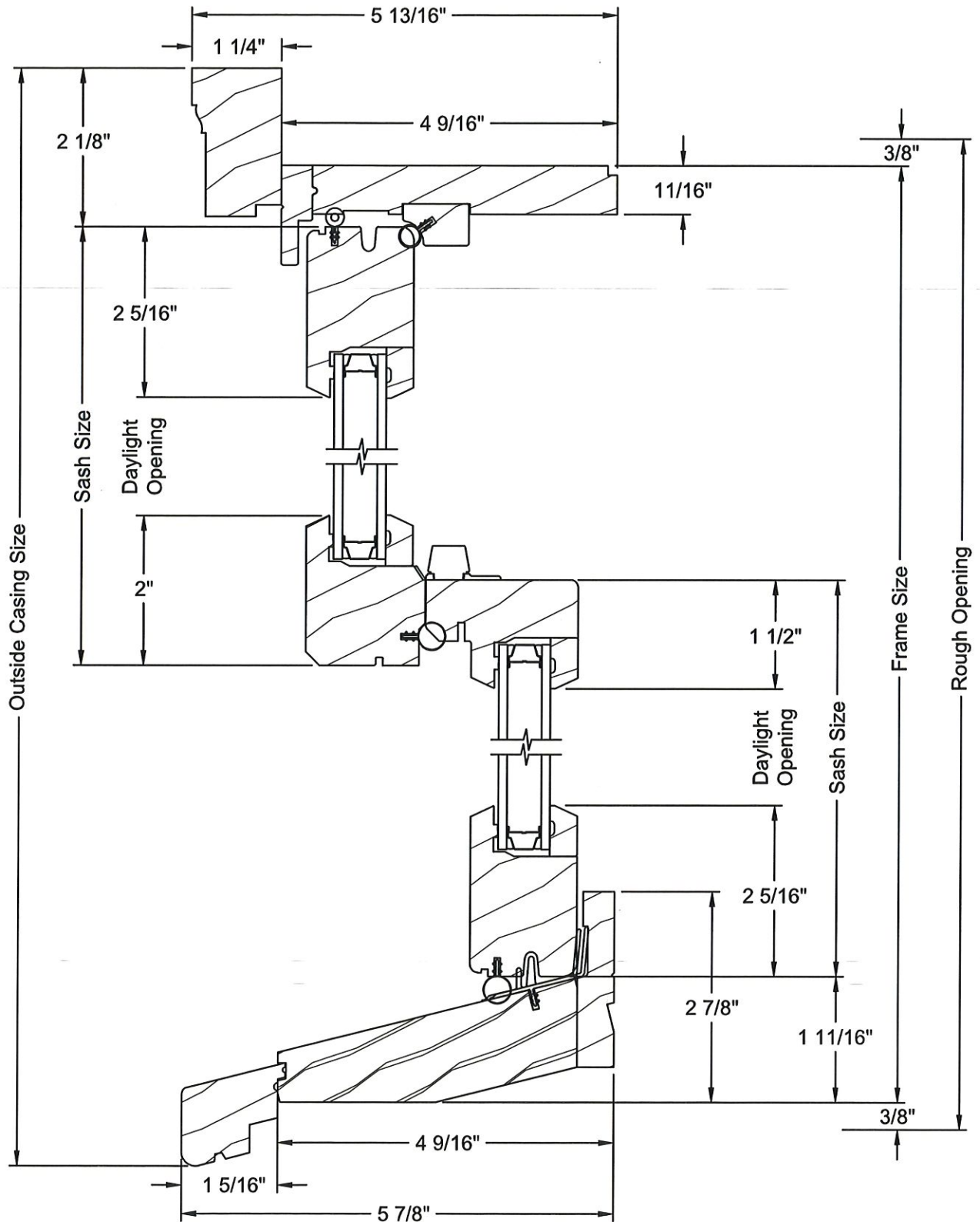
SINGLE UNITS

		Width (Inches)			
		37 3/8	41 3/8	45 3/8	
32	SWD3732	SWD4132	SWD4532	Book Code	
	38-1/8" x 32-3/4"	42-1/8" x 32-3/4"	46-1/8" x 32-3/4"	Rough Opening	
	7.38 ft ² 2.86 ft ²	8.21 ft ² 3.2 ft ²	9.03 ft ² 3.54 ft ²	Daylight Opening Clear/Vent Opening	
36	SWD3736	SWD4136	SWD4536	Book Code	
	38-1/8" x 36-3/4"	42-1/8" x 36-3/4"	46-1/8" x 36-3/4"	Rough Opening	
	8.38 ft ² 3.33 ft ²	9.31 ft ² 3.72 ft ²	10.25 ft ² 4.12 ft ²	Daylight Opening Clear/Vent Opening	
40	SWD3740	SWD4140	SWD4540	Book Code	
	38-1/8" x 40-3/4"	42-1/8" x 40-3/4"	46-1/8" x 40-3/4"	Rough Opening	
	9.37 ft ² 3.79 ft ²	10.41 ft ² 4.25 ft ²	11.46 ft ² 4.7 ft ²	Daylight Opening Clear/Vent Opening	
44	SWD3744	SWD4144	SWD4544	Book Code	
	38-1/8" x 44-3/4"	42-1/8" x 44-3/4"	46-1/8" x 44-3/4"	Rough Opening	
	10.36 ft ² 4.26 ft ²	11.52 ft ² 4.77 ft ²	12.67 ft ² 5.28 ft ²	Daylight Opening Clear/Vent Opening	
48	SWD3748	SWD4148	SWD4548	Book Code	
	38-1/8" x 48-3/4"	42-1/8" x 48-3/4"	46-1/8" x 48-3/4"	Rough Opening	
	11.35 ft ² 4.73 ft ²	12.62 ft ² 5.29 ft ²	13.89 ft ² 5.85 ft ²	Daylight Opening Clear/Vent Opening	
52	SWD3752	SWD4152	SWD4552	Book Code	
	38-1/8" x 52-3/4"	42-1/8" x 52-3/4"	46-1/8" x 52-3/4"	Rough Opening	
	12.34 ft ² 5.2 ft ²	13.72 ft ² 5.81 ft ²	15.1 ft ² 6.43 ft ²	Daylight Opening Clear/Vent Opening	
56	SWD3756	SWD4156	SWD4556	Book Code	
	38-1/8" x 56-3/4"	42-1/8" x 56-3/4"	46-1/8" x 56-3/4"	Rough Opening	
	13.33 ft ² 5.66 ft ²	14.83 ft ² 6.34 ft ²	16.32 ft ² 7.01 ft ²	Daylight Opening Clear/Vent Opening	
60	SWD3760	SWD4160	SWD4560	Book Code	
	38-1/8" x 60-3/4"	42-1/8" x 60-3/4"	46-1/8" x 60-3/4"	Rough Opening	
	14.33 ft ² 6.13 ft ²	15.93 ft ² 6.86 ft ²	17.53 ft ² 7.59 ft ²	Daylight Opening Clear/Vent Opening	
64	SWD3764	SWD4164	SWD4564	Book Code	
	38-1/8" x 64-3/4"	42-1/8" x 64-3/4"	46-1/8" x 64-3/4"	Rough Opening	
	15.32 ft ² 6.6 ft ²	17.03 ft ² 7.38 ft ²	18.74 ft ² 8.17 ft ²	Daylight Opening Clear/Vent Opening	
68	SWD3768	SWD4168	SWD4568	Book Code	
	38-1/8" x 68-3/4"	42-1/8" x 68-3/4"	46-1/8" x 68-3/4"	Rough Opening	
	16.31 ft ² 7.06 ft ²	18.13 ft ² 7.9 ft ²	19.96 ft ² 8.74 ft ²	Daylight Opening Clear/Vent Opening	
72	SWD3772	SWD4172	SWD4572	Book Code	
	38-1/8" x 72-3/4"	42-1/8" x 72-3/4"	46-1/8" x 72-3/4"	Rough Opening	
	17.3 ft ² 7.53 ft ²	19.24 ft ² 8.43 ft ²	21.17 ft ² 9.32 ft ²	Daylight Opening Clear/Vent Opening	

 No grille pattern

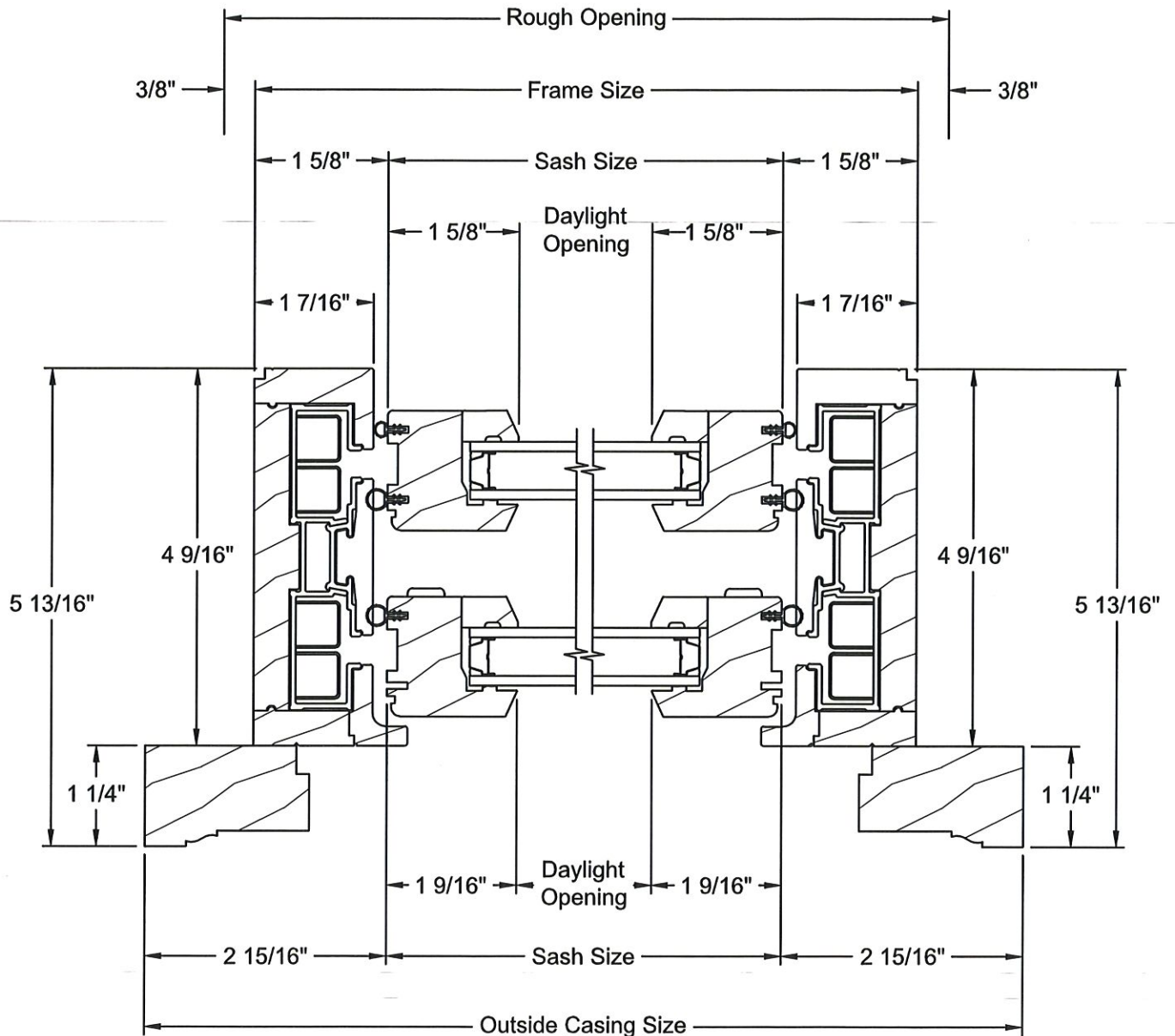


OPERATOR - VERTICAL SECTION





OPERATOR - HORIZONTAL SECTION

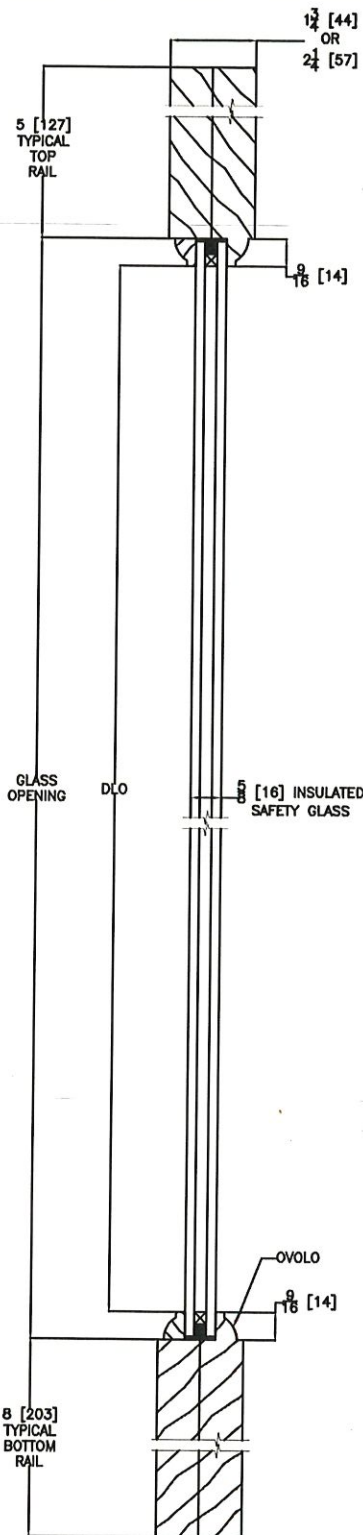


ELEVATION NOTES

Door Size = Book Size Before Prefit
 Daylight Opening (DLO) = Visible Glass
 Values in brackets [] are millimeter conversions.

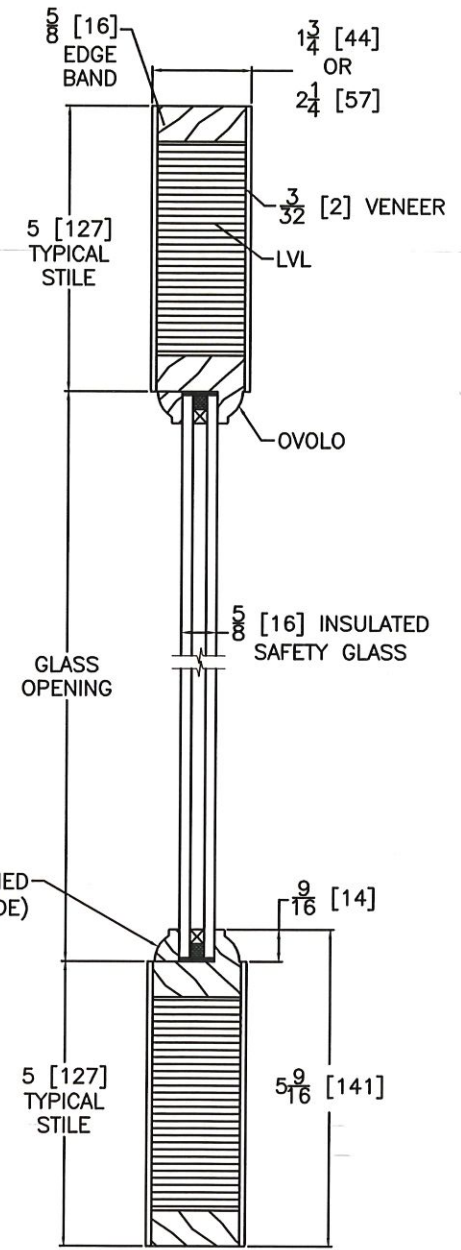
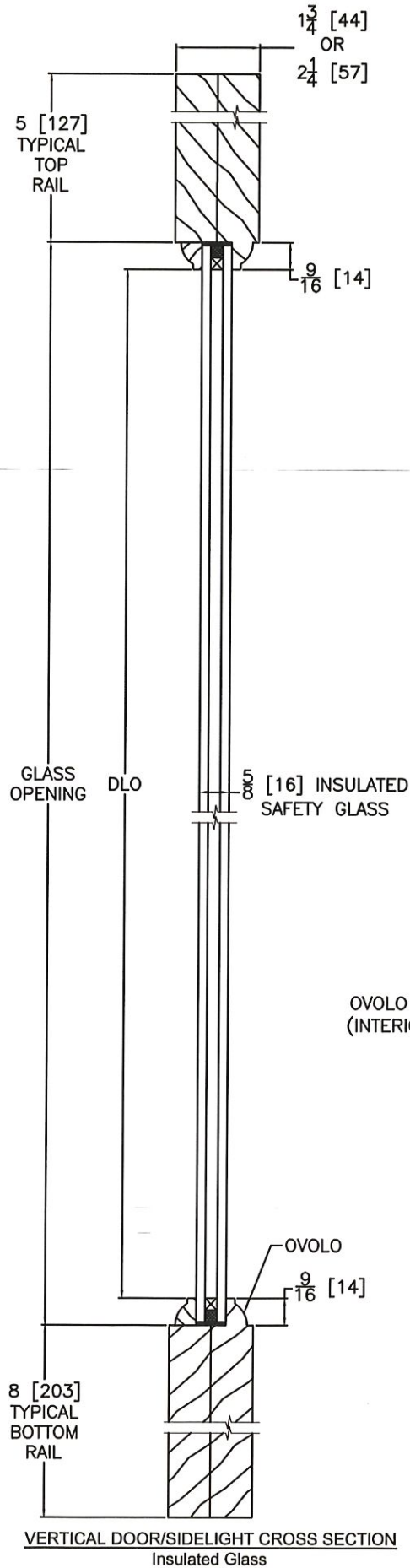
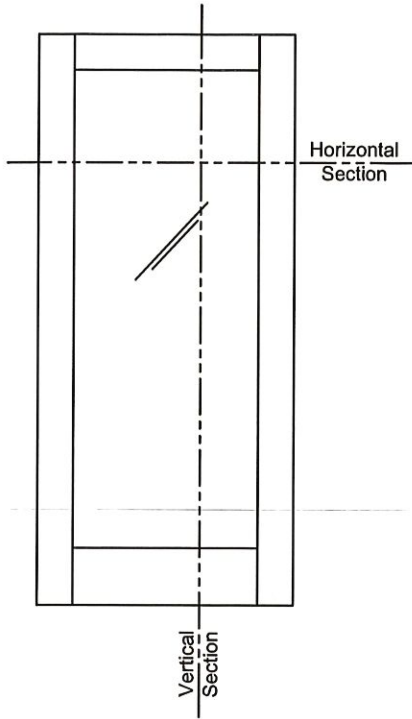
DOOR CROSS-SECTION

Moulding Profile = Ovolo
 Panel Profile = n/a
 See 500 Cross Section sheet for more detail.



Door Size Daylight Opening	30" [762] 18 7/8" [479]	32" [813] 20 7/8" [530]	36" [914] 24 7/8" [632]	42" [1067] 30 7/8" [784]			
80" [2032] 65 7/8" [1673]							
84" [2134] 69 7/8" [1775]							
96" [2438] 81 7/8" [2080]							
Sidelight Size Daylight Opening	12" [305] 7 7/8" [200]	13" [330] 7 7/8" [200]	14" [356] 7 7/8" [200]	15" [381] 10 7/8" [276]	16" [406] 10 7/8" [276]	17" [432] 10 7/8" [276]	18" [457] 10 7/8" [276]
80" [2032] 65 7/8" [1673]							
84" [2134] 69 7/8" [1775]							
96" [2438] 81 7/8" [2080]							

VERTICAL DOOR/SIDELIGHT CROSS SECTION
 Insulated Glass



HORIZONTAL DOOR CROSS SECTION
Engineered Stile Option
(Upon Request or Doors > 3'-6" X 8'-0")

Notes:
Stile, Rail, Panel & Glass
vary by Size & Model of Door.
Typical Sizes are Shown.