Address:	507 New York Ave., Takoma Park	Meeting Date:	6/23/2021
Resource:	Non-Contributing Resource Takoma Park Historic District	Report Date:	6/16/2021
Applicant:	Jason Lange Nestor Gomez, Agent	Public Notice:	6/9/2021
<b>Review:</b>	HAWP	Tax Credit:	n/a
Permit No.:	954472	Staff:	Dan Bruechert
Proposal:	Porch Enclosure		

## MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION STAFF REPORT

## **STAFF RECOMMENDATION**

Staff recommends the HPC **approve** the HAWP with one condition:

1. Window specifications are required before Staff can stamp the permit drawings. Final review and approval authority for the proposed windows is delegated to Staff.

### **ARCHITECTURAL DESCRIPTION**

SIGNIFICANCE:	Non-Contributing Resource to the Takoma Park Historic District
STYLE:	Colonial Revival
DATE:	c.1940s



Figure 1: 507 New York Ave.

## PROPOSAL

The applicant proposes to renovate the existing rear sunroom.

### **APPLICABLE GUIDELINES**

When reviewing alterations and new construction within the Takoma Park Historic District several documents are to be utilized as guidelines to assist the Commission in developing their decision. These documents include the historic preservation review guidelines in the approved and adopted amendment for the *Takoma Park Historic District (Guidelines), Montgomery County Code Chapter 24A (Chapter 24A)*, and *the Secretary of the Interior's Standards for Rehabilitation (Standards)*. The pertinent information in these documents is outlined below.

### Takoma Park Historic District Guidelines

There are two very general, broad planning and design concepts which apply to all categories. These are:

The design review emphasis will be restricted to changes that are at all visible from the public right-of-way, irrespective of landscaping or vegetation (it is expected that the majority of new additions will be reviewed for their impact on the overall district), and,

The importance of assuring that additions and other changes to existing structures act to reinforce and continue existing streetscape, landscape, and building patterns rather than to impair the character of the district.

Non-Contributing/Out-of-Period Resources should receive the most lenient level of design review. Most alterations and additions to Non-Contributing/Out-of-Period Resources should be approved as a matter of course. The only exceptions would be major additions and alterations to the scale and massing of Non-Contributing/Out-of-Period Resources which affect the surrounding streetscape and/or landscape and could impair character of the district as a whole.

Demolition of Non-Contributing/Out-of-Period Resources should be permitted. However, any new building constructed in the place of a demolished building should be reviewed under the guidelines for new construction that follow.

### Montgomery County Code; Chapter 24A-8

- (a) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to ensure conformity with the purposes and requirements of this chapter, if it finds that:
  - (1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or
  - (2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or
- (d) In the case of an application for work on an historic resource located within an historic district, the commission shall be lenient in its judgment of plans for structures of little historical or design significance or for plans involving new construction, unless such plans would seriously impair the historic or architectural value of surrounding historic resources or would impair the character of the historic district. (Ord. No. 9-4, § 1; Ord. No. 11-59.)

- 2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
- 9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportions, and massing to protect the integrity of the property and its environment.
- 10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

## **STAFF DISCUSSION**

The existing sunroom is a partially enclosed rear porch with a shed roof on brick piers. The applicant proposes to renovate the sunroom with new siding, windows, and skylights. Staff finds the work is compatible in character with the existing house and will not be visible from the right-of-way and recommends the HPC approve the HAWP.

As constructed, the existing porch does not contribute to the historic character of the house or the surrounding district. Staff supports removing the exiting siding and windows. In place of the existing siding, the applicant proposes to install fiber cement clapboards. Staff finds this is an appropriate material for new construction at the rear. On the roof, the applicant proposes to install two skylights. Staff finds these will not change the character of the roof and, were it not for the other work proposed in this HAWP, would have approved these at the Staff Level. The final change proposed is the new windows. The applicant proposes to install two pairs of six-over-one sash windows and a single lite, fixed window with frosted glass (this window is proposed for the new interior bathroom). No window specification was included with the HAWP application. Because this is a Non-Contributing Resource in a location that is not at all visible from the right-of-way, Staff finds virtually any window would be appropriate. Staff recommends the HPC include a condition for approval that permit drawings may not be stamped until a window specification is provided and final approval authority is delegated to Staff.

Staff finds that the proposal will not have an impact on the character of the resource or the surrounding district. Under the *Design Guidelines*, this proposal should be approved as a matter of course. Staff additionally finds the proposal complies with 24A-(b)(1), (2), and (d); and Standards 2, 9, and 10 and recommeds approval.

## **STAFF RECOMMENDATION**

Staff recommends that the Commission **approve** the HAWP application with one condition;

1. Window specifications are required before Staff can stamp the permit drawings. Final review and approval authority for the proposed windows is delegated to Staff;

under the Criteria for Issuance in Chapter 24A-8(b)(1) (2), and (d), and the *Takoma Park Historic District Guidelines*, having found that the proposal will not substantially alter the exterior features of the historic resource and is compatible in character with the district and the purposes of Chapter 24A;

and with the Secretary of the Interior's Standards for Rehabilitation #2, 9, and 10;

and with the general condition that the applicant shall present an electronic set of drawings, if applicable, to Historic Preservation Commission (HPC) staff for review and stamping prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP application at staff's discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make **any alterations** to the approved plans. Once the work is completed the applicant will <u>contact the staff person</u> assigned to this application at 301-563-3400 or <u>dan.bruechert@montgomeryplanning.org</u> to schedule a follow-up site visit.

MERY		STAFF ONLY: P#954472
APPLICATION HISTORIC AREA WO HISTORIC PRESERVATION 301.563.3400	FOR	ASSIGNED
APPLICANT:	Innester	an Qama'l as m
Name: Jason Lange	E-mail: langejas	on@gmail.com
Address: 507 New York Ave.	City: Takoma Park	on@gmail.com zip:20912
Daytime Phone: 202 999 9379	Tax Account No.: 01	061218
AGENT/CONTACT (if applicable):		
Name: Nestor Gomez	E-mail: gocontracto	ors77@gmail.com
Address:		zip:20705
Daytime Phone: 240 828 9923	Contractor Registratio	
LOCATION OF BUILDING/PREMISE: MIHP # of Historie	Property 37/03	whiled room will obcupy the
Is the Property Located within an Historic District?Y	Takoma	Park Historic District
Is there an Historic Preservation/Land Trust/Environme map of the easement, and documentation from the Ease	tal Easement on the	Property? If YES, include a
Are other Planning and/or Hearing Examiner Approvals (Conditional Use, Variance, Record Plat, etc.?) If YES, ind supplemental information.	Reviews Required as lude information on t	part of this Application?
•	VYork Ave.	
Town/City: Takoma Park Nearest Cross	Street: Buffalo	Ave.
23 73	Parcel:	
TYPE OF WORK PROPOSED: See the checklist on Partice proposed work are submitted with this application be accepted for review. Check all that apply:         New Construction       Deck/Porch         Addition       Fence         Demolition       Hardscape/Landse         Grading/Excavation       Roof         I hereby certify that I have the authority to make the for and accurate and that the construction will comply with agencies and hereby acknowledge and accept this to be accepted to be accepted for review.	ion. Incomplete App Shed/G Solar Tree re ape Window V Other: egoing application, the plans reviewed and a	moval/planting w/Door Rennovation hat the application is correct approved by all necessary
Signature of owner or authorized agent		

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

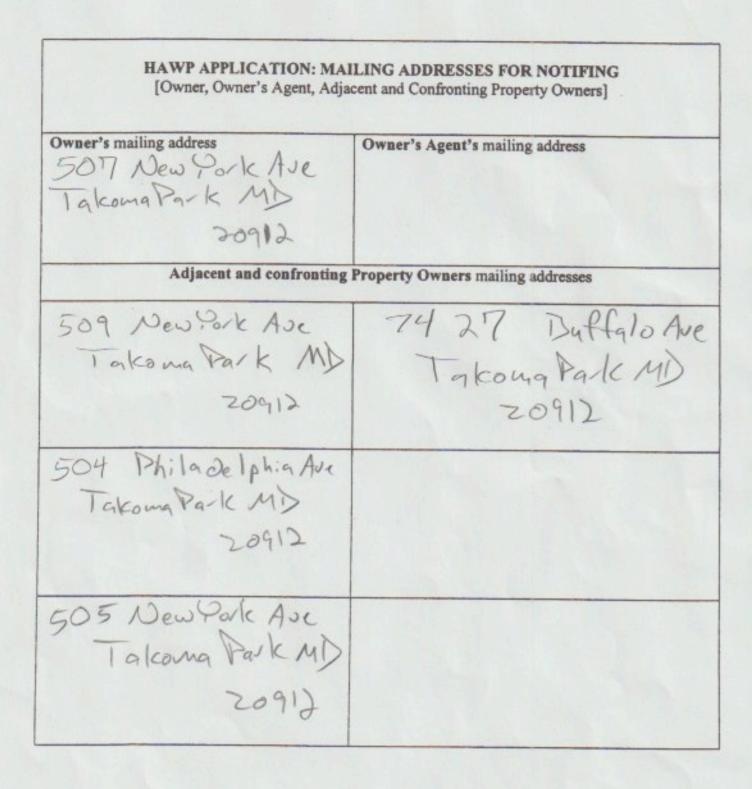
The property is a two-story colonial revival-style single-family detached home in the Takoma Park Historical District where it is classified as a non-contributing resource. The house dates from the 1940S and has a brick exterior. It sits on one quarter acre lot and has a small creek running through the ravine along the back edge of the property.

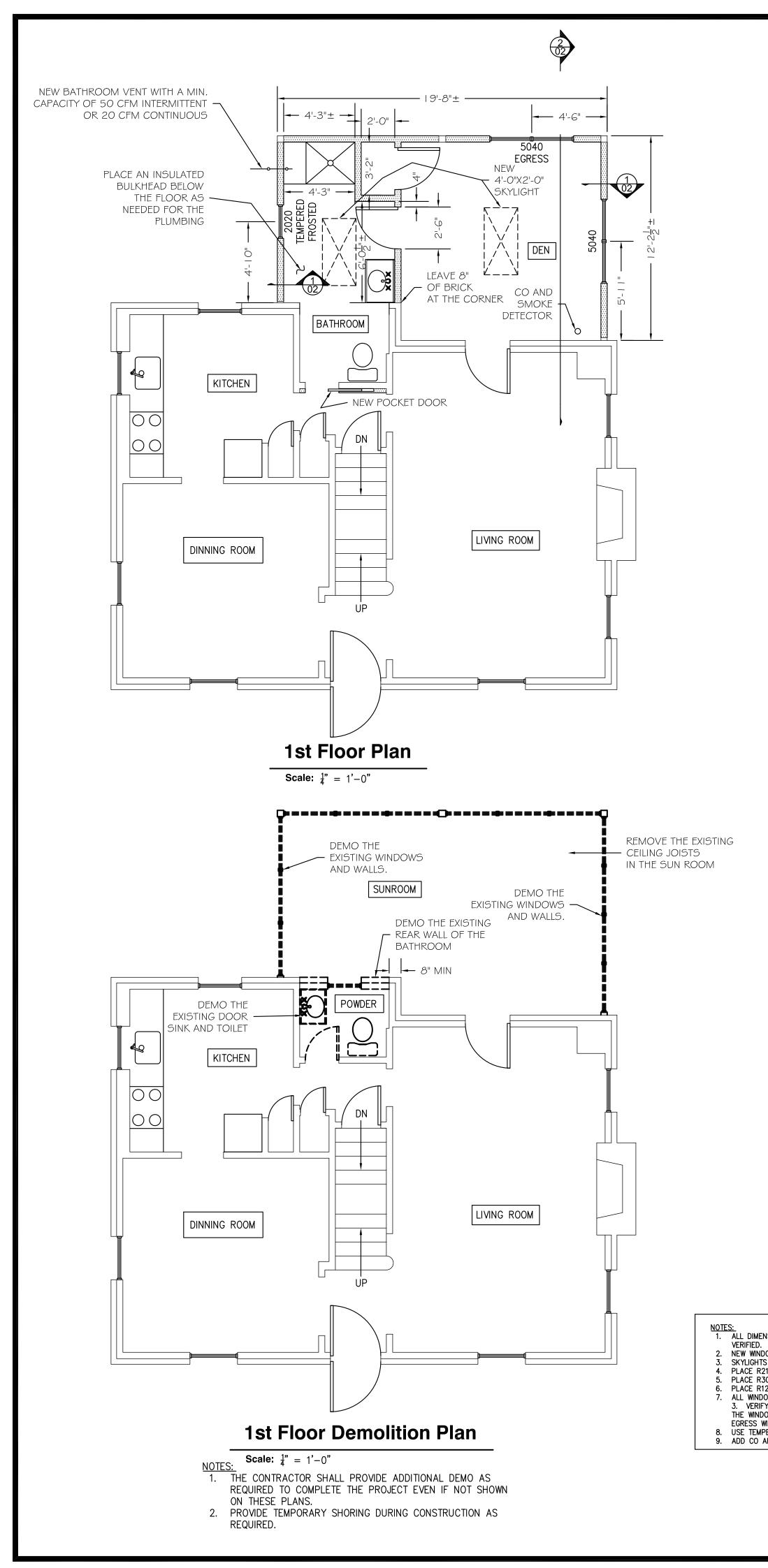
Description of Work Proposed: Please give an overview of the work to be undertaken:

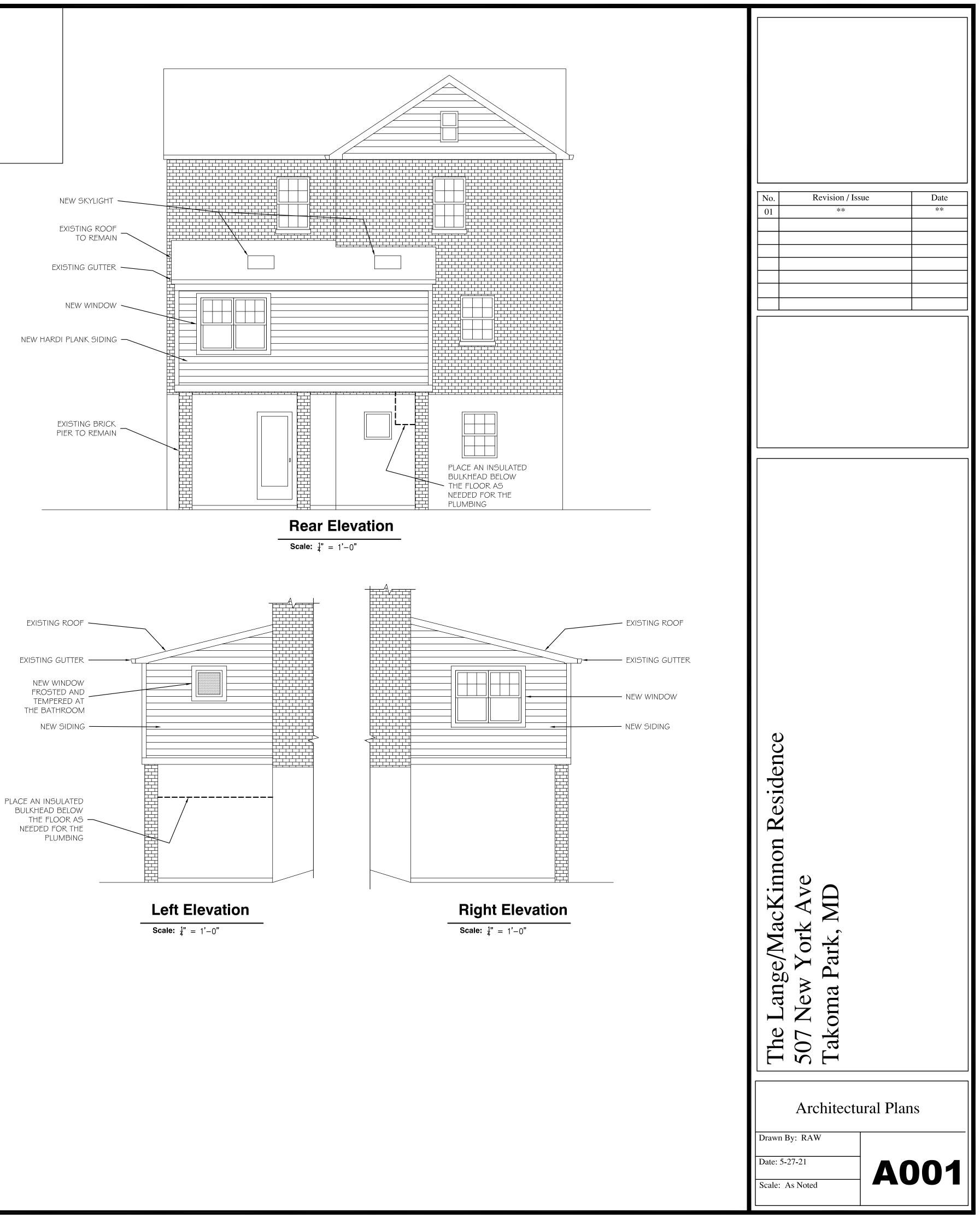
This project entails the renovation of a sunroom which is identified on the attached plans as an enclosed patio. The walls are to be re-framed with insulation so as to make the room into a bedroom. Skylights will also be added. The project also entails expanding the bathroom that currently abuts the enclosed patio. The enclosed patio currently sits on brick piers, which will remain. The renovated room will occupy the same square footage currently used by the enclosed patio. It will not add to the building's footprint and, as can be seen in the attached photographs, no trees will be affected. Therefore, no tree survey is included here. The attached plans/elevations include the site plan and material specifications.

Work Item 1: Renovate enclosed patio	
Description of Current Condition: An enclosed patio sits on brick piers behind the house. It has minimal insulation.	Proposed Work: Replace the existing walls with new insulated walls. Add skylights to the existing roof.
Work Item 2:	-
Description of Current Condition:	Proposed Work:
557 Marsh Are	7927 Balling
1. Takora Park 1	A Company and a second and as second and a
1 10 1000	
50th Philade Lakin A	

Work Item 3:				
Description of Current Condition:	Proposed Work:			
Toleanne Ver				
1. 20'				



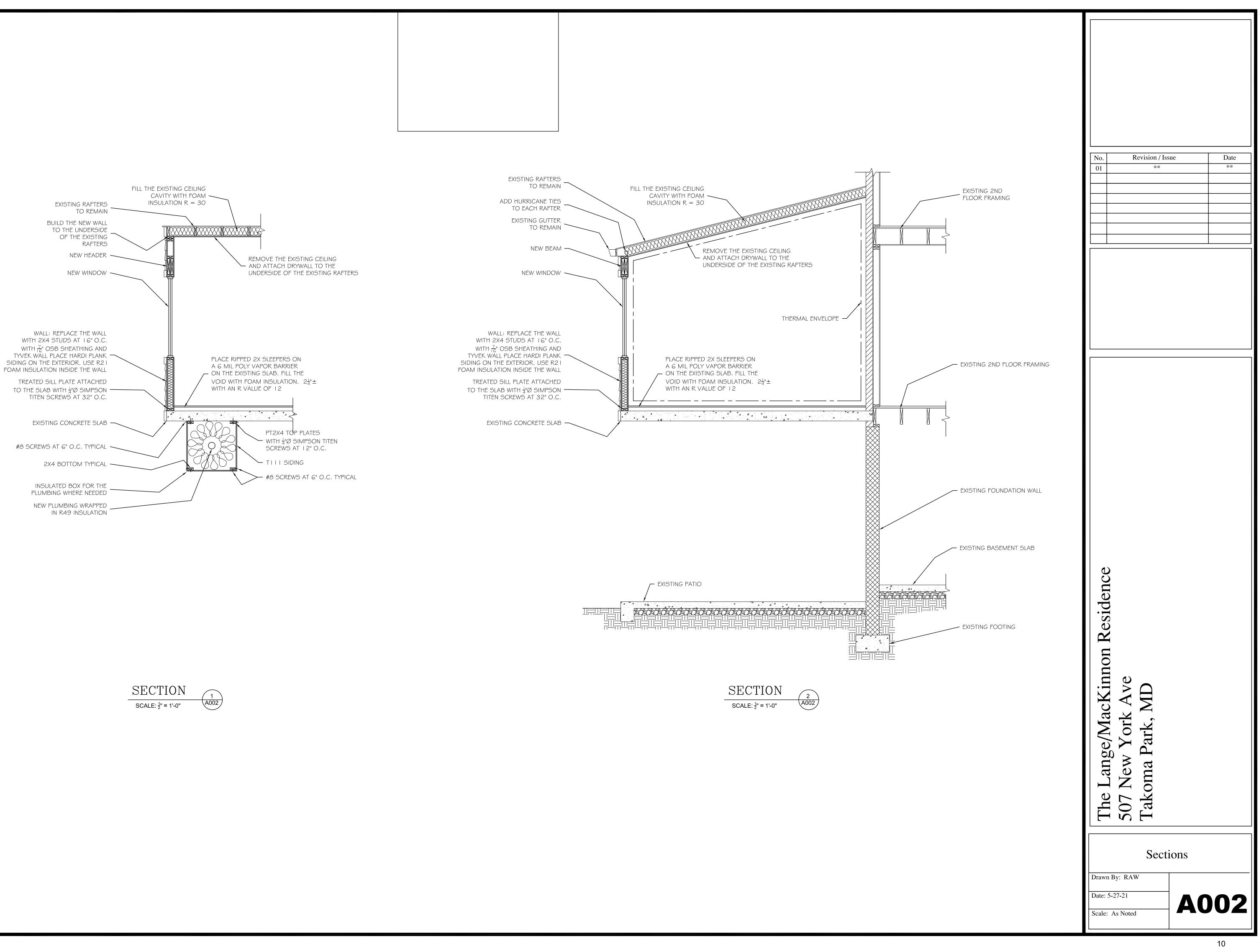


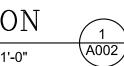


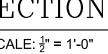
NOTES:

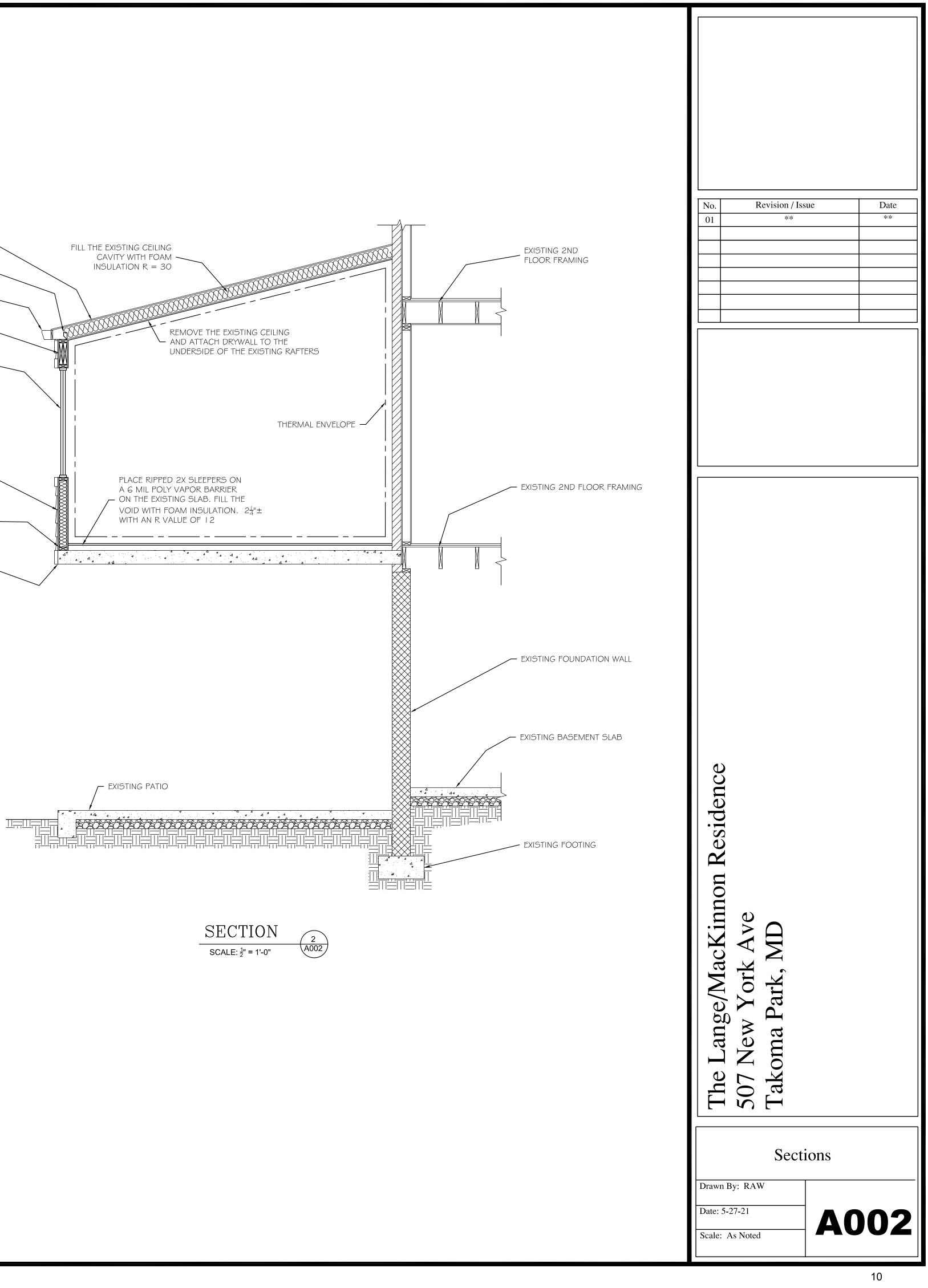
 ALL DIMENSIONS LISTED AS ± ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
 NEW WINDOWS SHALL HAVE A SHGC OR 0.25 AND A U FACTOR OF 0.25
 SKYLIGHTS SHALL HAVE A SHGC OF 0.4 AND A U FACTOR OF 0.4
 PLACE R21 FOAM INSULATION IN THE NEW EXTERIOR WALLS
 PLACE R30 FOAM INSULATION BETWEEN THE ROOF FRAMING.
 PLACE R12 BETWEEN SLEEPERS ON THE STRUCTURAL SLAB OVER EXPOSED AIR.
 ALL WINDOWS MARKED EGRESS MUST MEET THE REQUIREMENTS OF IRC CHAPTER 3. VERIFY THE WINDOW CONFORMS BEFORE ORDERING THE WINDOW. MODIFY THE WINDOW SIZE AS NEEDED TO ENSURE THE WINDOW IS CLASSIFIED AS AN

EGRESS WINDOW. 8. USE TEMPERED WINDOWS WHEN REQUIRED BY IRC CHAPTER 3. 9. ADD CO AND SMOKE DETECTORS WHEN REQUIRED BY CODE.

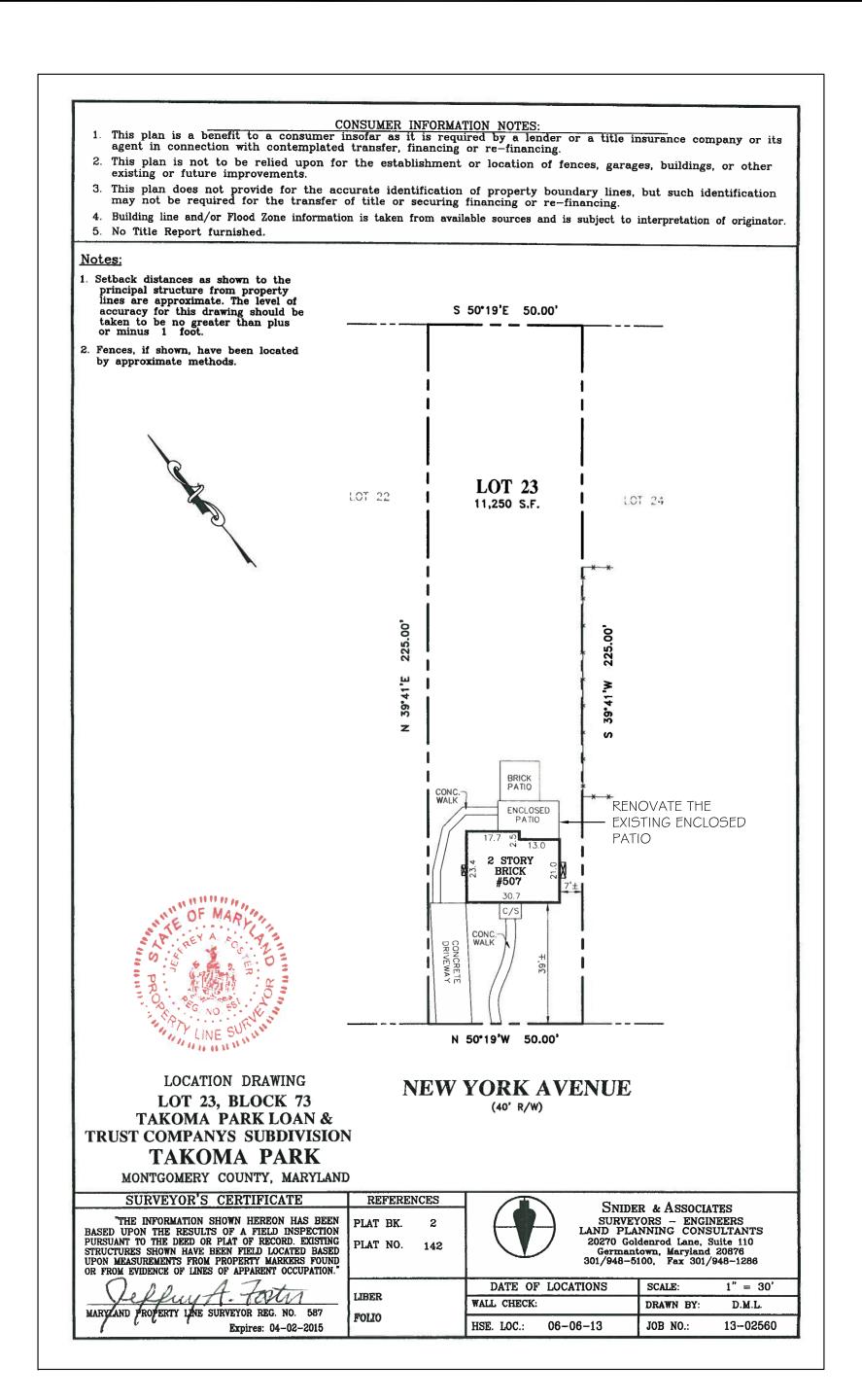












Site Plan **Scale:** 1" = 30'-0"

## Scope of Work

Renovation. Renovate the existing sunroom and expand the existing powder room to include a shower.

# Renovation 507 New York Ave - Takoma Park, MD

SITE PLAN CALCULATIONS:

WATER RUN OFF: NO NEW IMPERMEABLE SOIL (NO SPECIAL PLAN REQUIRED).

LOT COVERAGE = 1667SF/11250SF = 15%

## Drawing Index:

A001 -	Architectu
A002 -	Architectu
S001 -	Structural
S002 -	Structural

## Project Data

Jurisdiction: **Building Codes:** 



Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Ceiling: Cathedral Ceiling	205	30.0	0.0	0.034	
Skylight: Vinyl Frame SHGC: 0.40	16			0.400	
Nall: Wood Frame, 16" o.c.	331	21.0	0.0	0.057	1
Nindow: Vinyl Frame SHGC: 0.25	44			0.250	1
Floor: All-Wood Joist/Truss	205	12.0	0.0	0.067	1

RESCHECK VERSION : RESCHECK-Web and to comply with the r		its listed in the RES <i>check</i> inspection Checklist.
Robert Wixson - Engineer APAC Eng. Inc.	From CV 20	5-27-21
Name - Title	Signature	Date

Project Title: Lange Data filename:

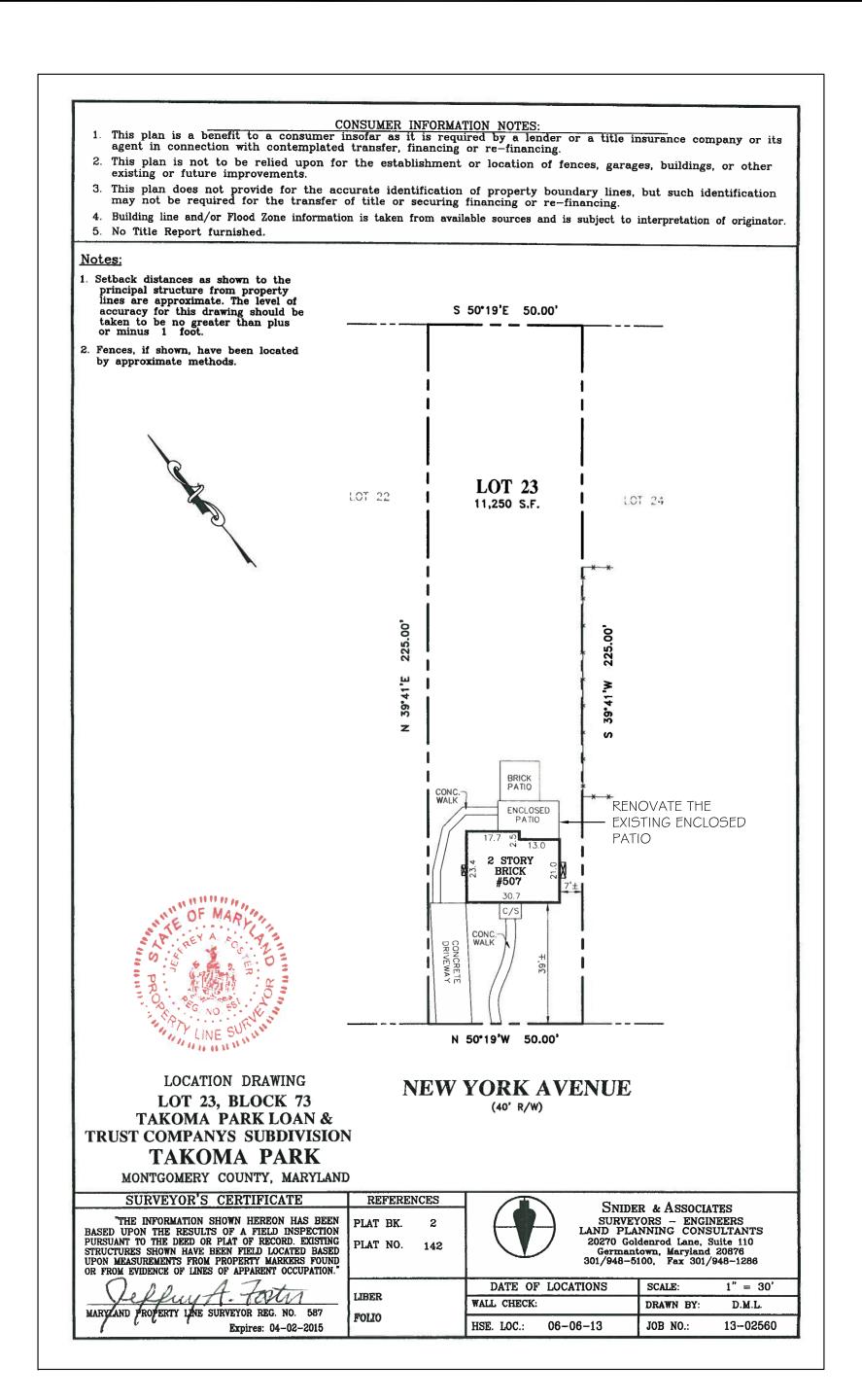
Report date: 05/27/21 Page 1 of 9

tural Plans and Elevations tural Wall Sections

Plans Structural Specs and Details

Montgomery County, MD 2018 IRC as amended by Montgomery County

Silver 301-50	16th Street Suite Spring, MD 209 65-0543 63-9477 (fax)		G, Inc
No. 01	Revision / Is	ssue	Date **
Professiona	I Certification. I hereby		
certify that t prepared or that I am a c professional of the State	hese documents were approved by me, and luly licensed engineer under the laws of Maryland, License Expiration Date: 7/17/22.	DE SIONAL	
	507 New York Ave Takoma Park, MD		
	Cover	Sheet	
Drawn By Date: 5-27 Scale: As	7-21	CS	000



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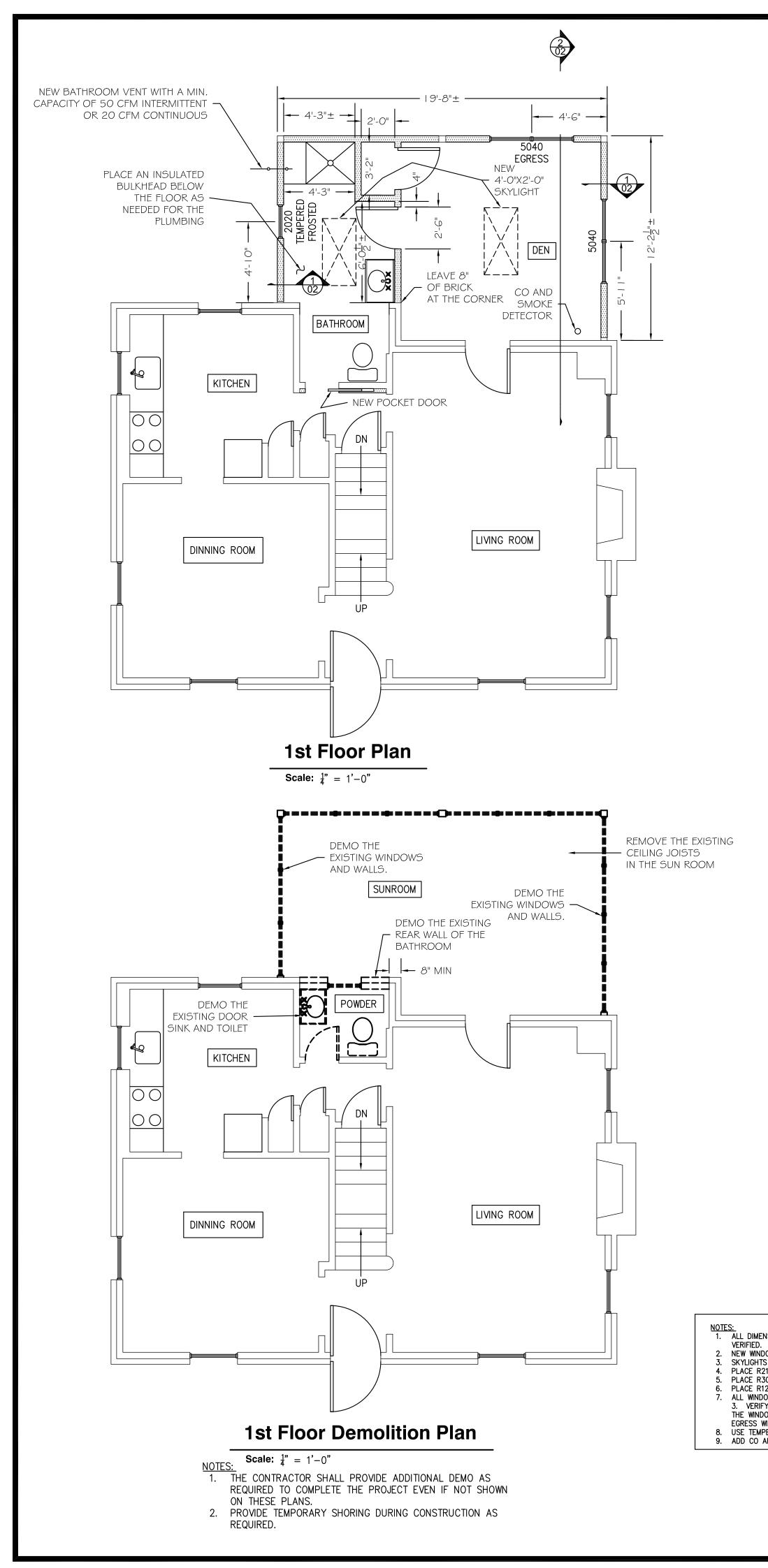
Report date: 05/27/21 Page 1 of 9

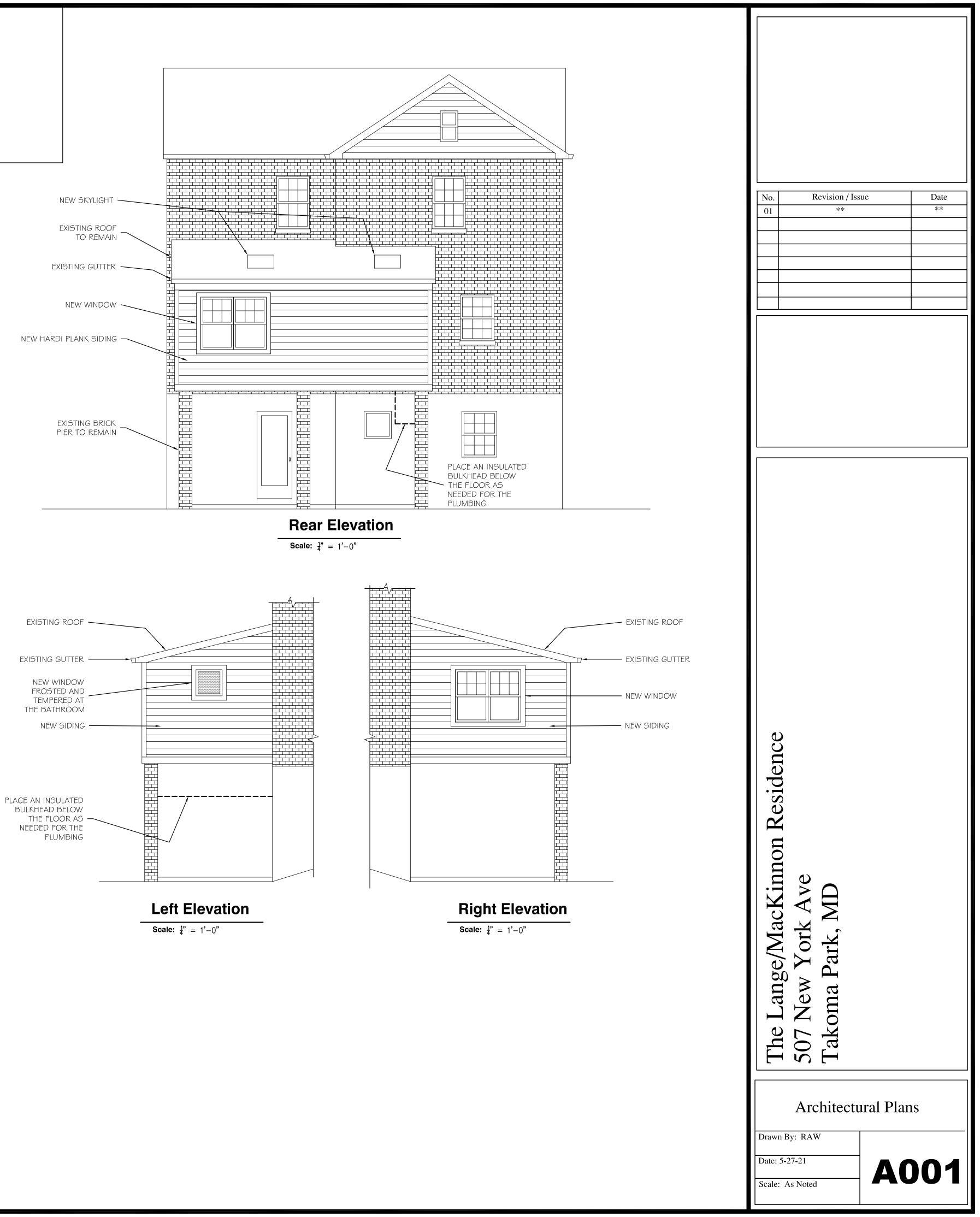
tural Plans and Elevations tural Wall Sections

Plans Structural Specs and Details

Montgomery County, MD 2018 IRC as amended by Montgomery County

301-3	565-0543 563-9477 (fax)		
No. 01	Revision / Is **	sue	Date **
certify that prepared o that I am a profession of the State	al Certification. I hereby these documents were r approved by me, and duly licensed al engineer under the laws e of Maryland, License , Expiration Date: 7/17/22.	PROF 2542	
nge/MacKinnon Residence	507 New York Ave Takoma Park, MD		
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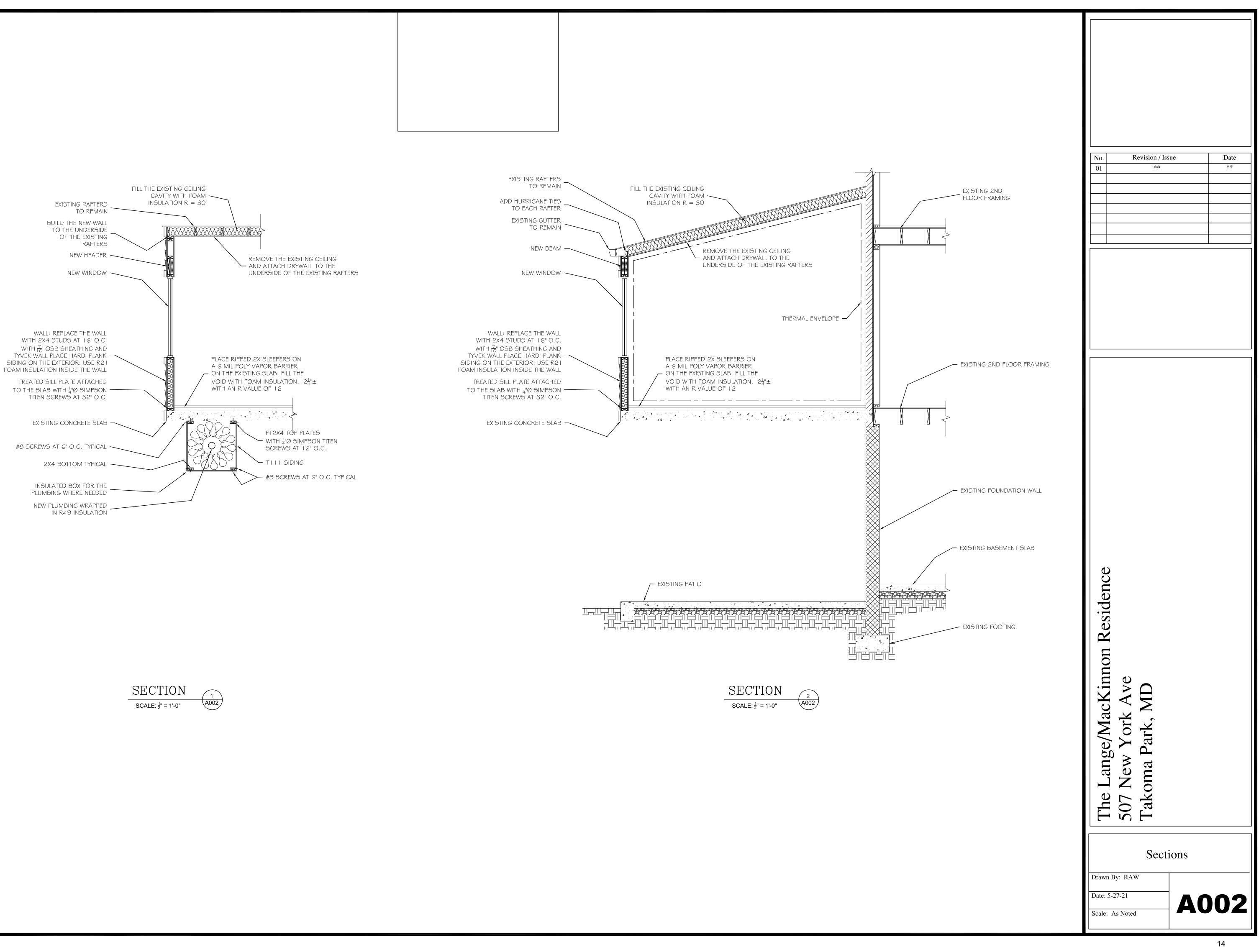


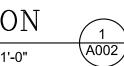


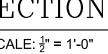
NOTES:

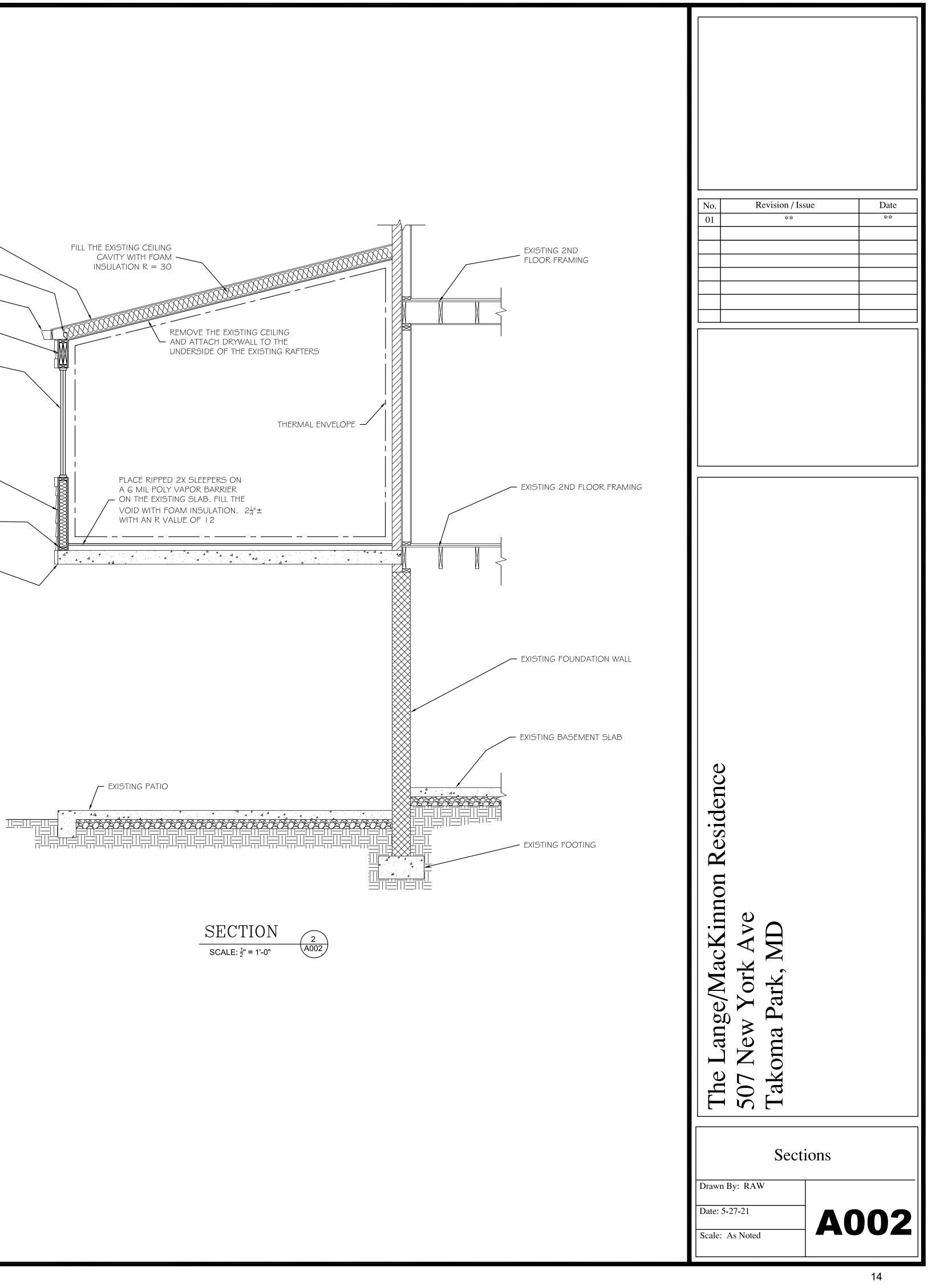
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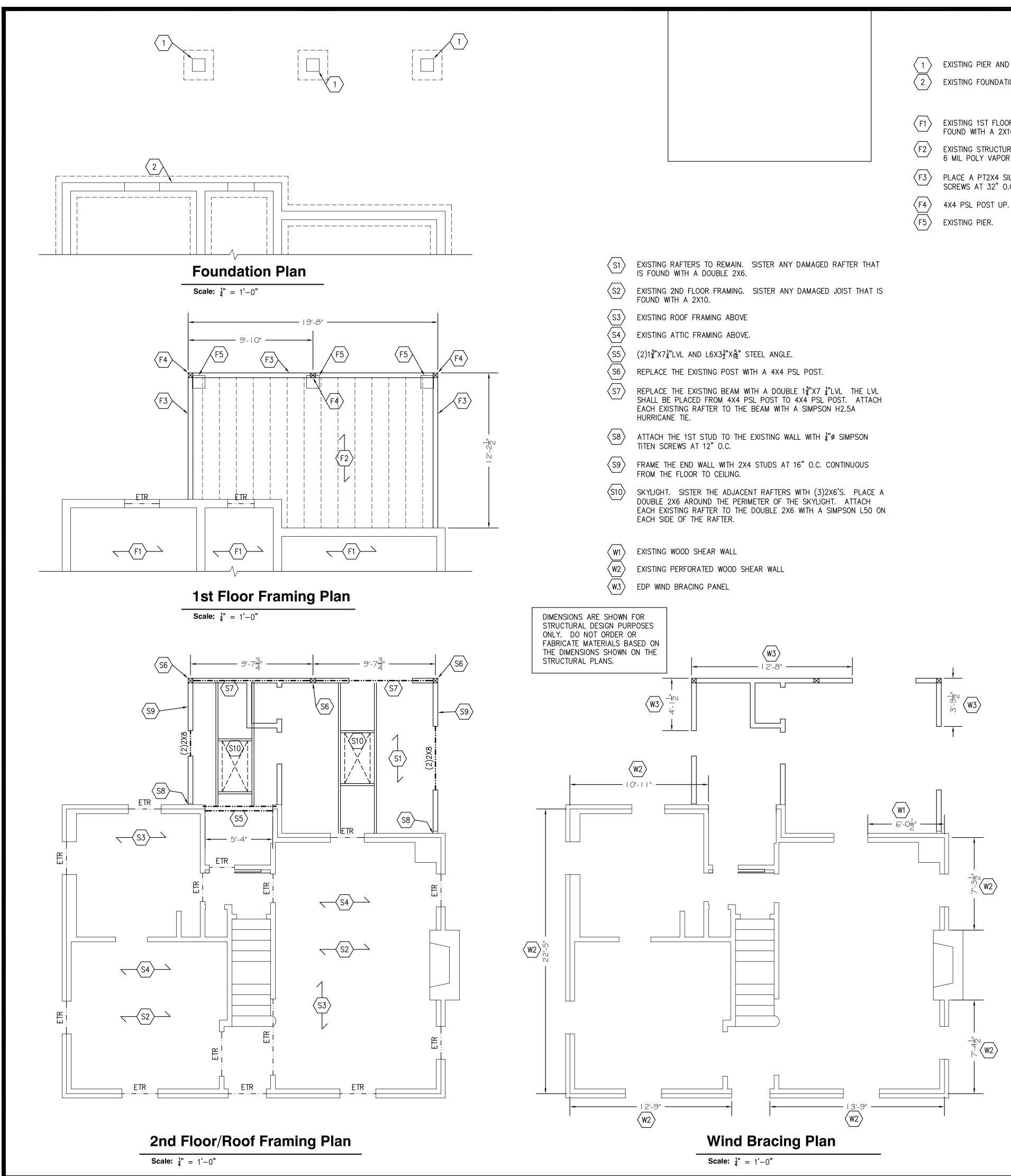














EXISTING PIER AND FOOTING.

EXISTING FOUNDATION WALL AND FOOTING.

EXISTING 1ST FLOOR FRAMING. SISTER ANY DAMAGED JOIST THAT IS FOUND WITH A 2X10

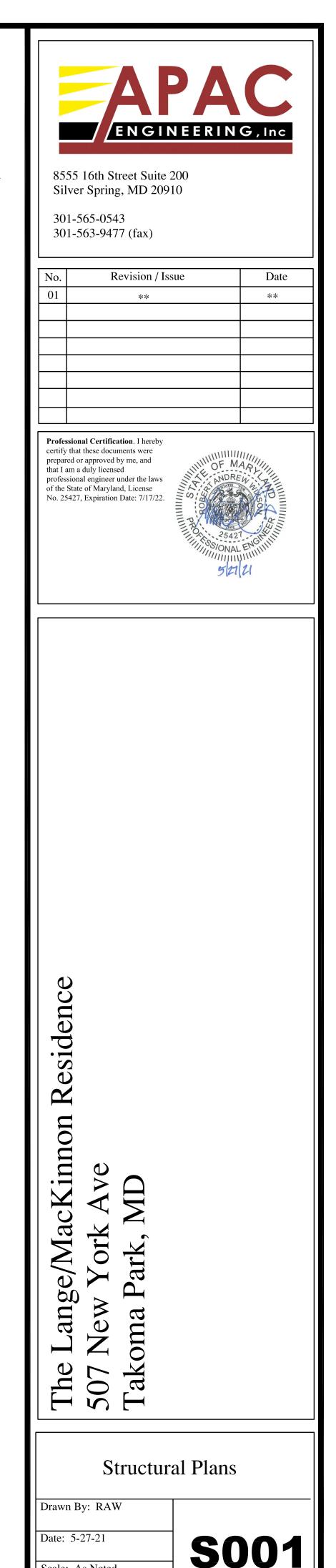
- (F2) EXISTING STRUCTURAL SLAB PLACE RIPPED 2X WOOD SLEEPERS ON A 6 MIL POLY VAPOR BARRIER ON THE SLAB.
- PLACE A PT2X4 SILL PLATE ON THE SLAB WITH  $\frac{1}{4}$ " SIMPSON TITEN SCREWS AT 32" O.C.

## FRAMING NOTES:

- 1. THE BOTTOM OF ALL FOOTINGS SHALL BE 30" MINIMUM BELOW GRADE.
- 2. ALL HEADERS ARE ASSUMED TO BE SUPPORTED BY A DOUBLE JACK AND
- SINGLE KING STUD, UNLESS NOTED OTHERWISE. 3. PROVIDE SQUASH BLOCKING AS NEEDED BELOW ALL POSTS, COLUMNS, AND MULTIPLE STUDS.
- 4. ATTACH ALL QUADRUPLE AND QUINTUPLE BEAMS TOGETHER WITH 2 ROWS OF <sup>1</sup>/<sub>2</sub>"ø BOLTS AT 16" O.C. STAGGERED.
- 5. EPOXY BOLTS SHALL BE SIMPSON "SET". FOLLOW MANUFACTURES INSTRUCTIONS FOR INSTALLATION AND THE INSTRUCTIONS OF ESR 1772. EPOXY BOLTS SHALL HAVE 6" EMBEDMENT WITH SCREEN TUBES WHEN PLACED IN HOLLOW MASONRY UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE TEMPORARY SHORING DURING CONSTRUCTION AS NEEDED FOR THE EXISTING STRUCTURAL ELEMENTS THAT WILL REMAIN. 7. ATTACH VENEER TO THE WOOD OR CMU BACKING STRUCTURE WITH METAL TIES
- AT 16" O.C. IN EACH DIRECTION. PROVIDE FLASHING, WATERSTOPS AND WEEP HOLES IN THE VENEER PER THE IRC CODE. 8. ALL STEEL ANGLE LINTELS SHALL BE LONG LEG VERTICAL (LLV). PROVIDE 6"
- BEARING FOR STEEL ANGLES ON SOLID MASONRY. 9. ALL NAILS USED FOR EXTERIOR APPLICATIONS SHALL BE RING SHANK NAILS. 10. ALL NAILS, HANGERS, BOLTS, AND AND SCREWS EXPOSED TO THE EXTERIOR
- SHALL BE GALVANIZED. 11. ALL LUMBER EXPOSED TO EXTERIOR CONDITIONS SHALL BE TREATED SOUTHERN
- PINE #2. 12. WHEN ATTACHING EXISTING JOISTS TO FLUSH BEAMS USE OVERSIZED SIMPSON LUS HANGERS. ADD BLOCKING AS NEEDED TO FILL THE GAPS BETWEEN THE JOIST AND THE HANGER.
- 13. THE CONTRACTOR SHALL SURVEY ALL EXPOSED MASONRY IN THE HOME AND POINT ANY DETERIORATED JOINT THAT IS DISCOVERED AND REPLACE ANY DETERIORATED BRICKS OR BLOCKS.
- 14. TYPICAL JOIST HANGER SHALL BE A SIMPSON LUS HANGER.
- 15. TYPICAL RAFTER TO RIDGE HANGER SHALL BE A SIMPSON LSU.
- 16. TYPICAL RAFTER TO FLUSH BEAM HANGER SHALL BE A SIMPSON L70 ON EACH SIDE OF THE RAFTER.
- 17. TYPICAL POST TO BEAM CONNECTOR SHALL BE A SIMPSON LPC ON EACH SIDE. 18. TYPICAL POST TO FLOOR PLATE CONNECTOR SHALL BE A SIMPSON L30 ON EACH SIDE OF THE POST.
- 19. TYPICAL STRINGER TO FRAMING CONNECTOR SHALL BE A SIMPSON MTS15 ON EACH SIDE.
- 20. TYPICAL DIMENSIONAL BEAM TO BEAM HANGER SHALL BE A SIMPSON HU MAX. 21. TYPICAL LVL TO LVL BEAM HANGER SHALL BE A SIMPSON HHUS.
- 22. PLACE A DOUBLE JOIST BELOW ALL WALLS THAT ARE PARALLEL TO THE FLOOR FRAMING. ALTERNATE: PLACE BLOCKING BETWEEN THE JOISTS BELOW THE WALLS AT 16" O.C.

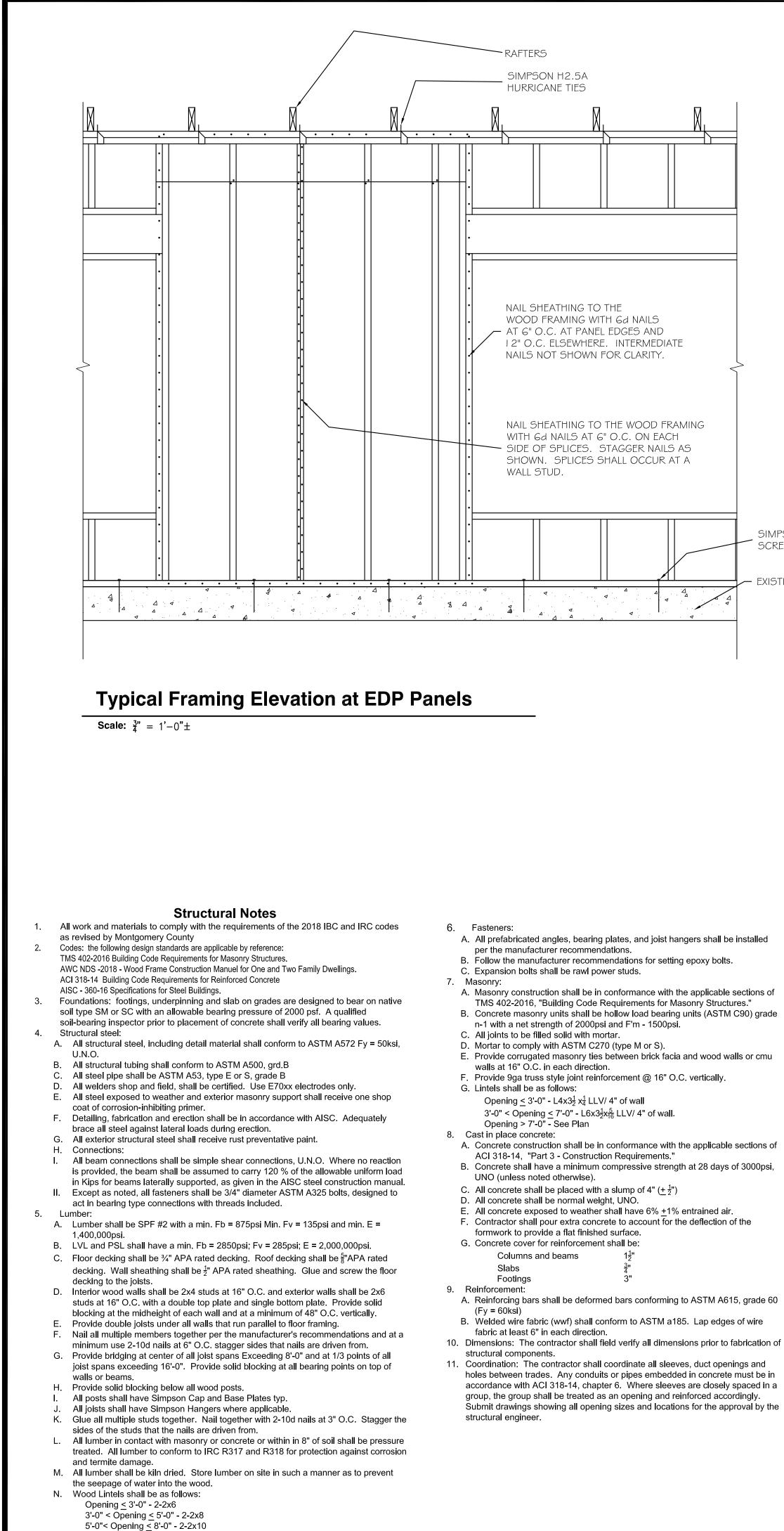
## WIND BRACING NOTES:

- 1. WALLS BRACED PER IRC R602.10 AND R301.1.3 "ENGINEERED DESIGN".
- 2. APPLY  $\frac{7}{16}$  OSB SHEATHING TO ALL EXTERIOR WALLS. 3. ATTACH OSB TO WOOD FRAMING WITH 6d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. ELSEWHERE.
- 4. EDP DENOTES "ENGINEERED DESIGNED PANEL". 5. ATTACH THE BOTTOM PLATE OF THE WALL TO THE JOISTS OR BLOCKING WITH 1-16d (0.135X3) NAIL. ATTACH THE BOTTOM PLATE TO THE RIM BOARD WITH 16d NAILS AT 12" O.C.
- 6. ATTACH EACH JOIST AND RAFTER TO THE TOP PLATE
- OF THE WALL WITH 2–16d  $(0.135\times3\frac{1}{2})$  TOE NAILS. 7. ATTACH THE RIM BOARD TO THE TOP PLATE OF THE
- WALL WITH 16d  $(0.135 \times 3\frac{1}{2})$  TOE NAILS AT 12" O.C.
- 8. ATTACH RIM BOARD TO SILL PLATE WITH 16d  $(0.135X3_2^1)$ TOE NAILS AT 12" O.C.

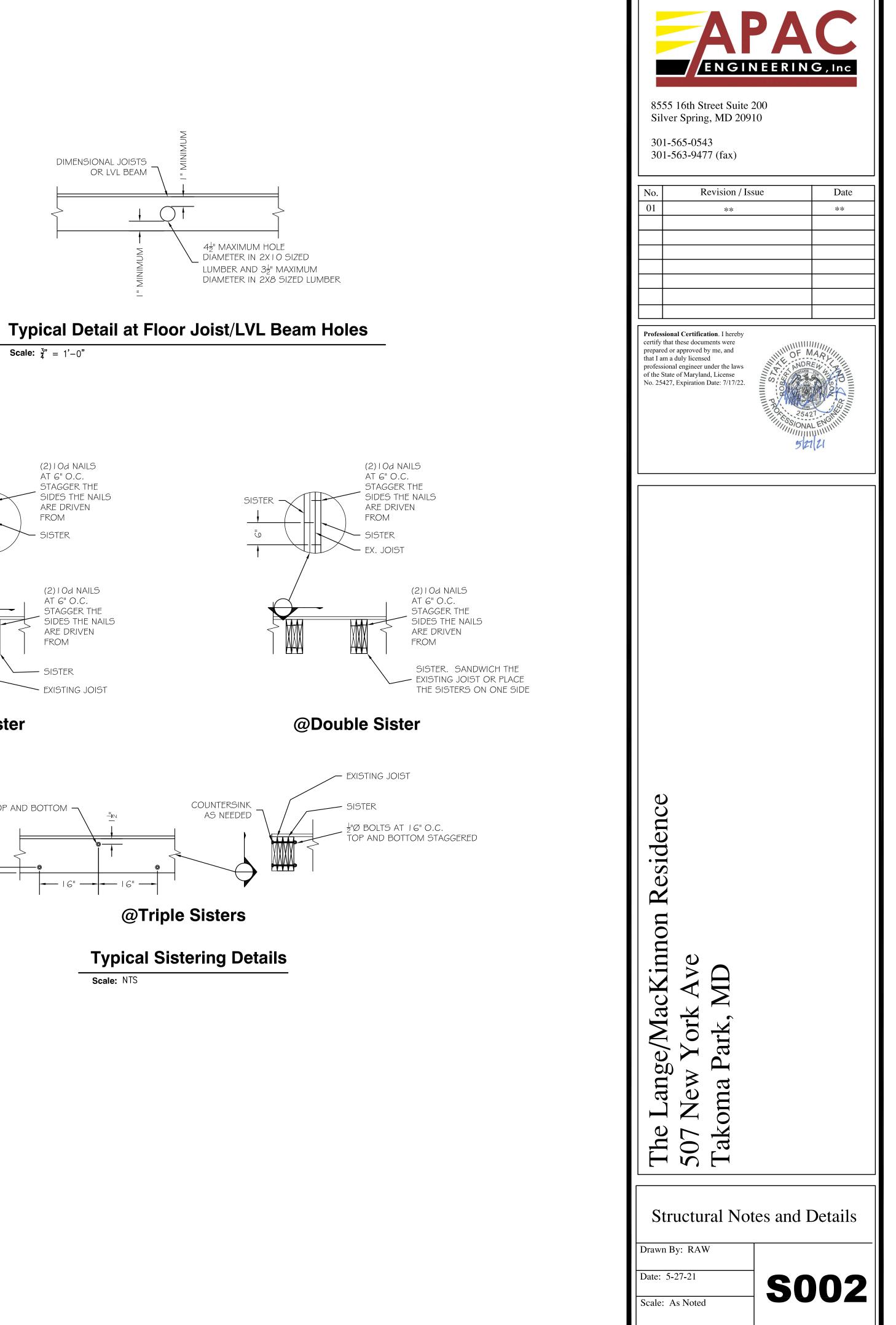


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Scale: As Noted



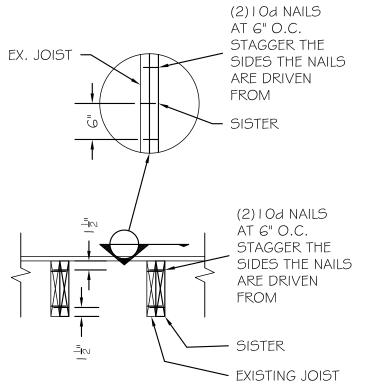
Greater than 8'-0" - See plans



**Scale:**  $\frac{3}{4}^{"} = 1^{'} - 0^{"}$ 

### SIMPSON TITEN SCREWS

- EXISTING CONCRETE SLAB



## **@Single Sister**

2"Ø BOLTS TOP AND BOTTOM - COUNTERSINK AS NEEDED
@Triple Sisters
Typical Sistering De

	Dead Loads:	
	SPF #2 -	25 PCF
	½ Decking -	1.7 PSF
	¾" Decking -	2.5 PSF
	Asphalt Shingles -	2.5 PSF
	Slate Shingles -	15 PSF
	½" Drywall -	2.2 PSF
	Insulation -	1.5 PSF
	Siding -	2.0 PSF
	CMU-	87 PCF
	Brick -	130 PCF
	LIVE LOADS:	
	DECK:	40PSF
	ATTIC:	20PSF
	FLOOR:	40PSF
	BALCONY	60PSF
	BEDROOM	40PSF
	ROOF:	30PSF
	WIND LOADS	
	WIND SPEED:	Vult = 115mph; Vasd = 89mph
	WIND LOAD IMPORTANCE FACTOR:	1.0
	WIND EXPOSURE FACTOR:	B
	WIND DESIGN PRESSURE:	11PSF
	SNOW LOADS:	111 51
	GROUND SNOW LOAD (PG):	30PSF
	FLAT ROOF SNOW LOAD (PG).	30PSF
	SNOW EXPOSURE FACTOR (CE):	0.9
	SNOW EXPOSITE FACTOR (CE).	1.0
	Deflection Limitations:	1.0
	Rafters:	L/240
	Interior Walls and Partitions:	H/180
	Floors and Plastered Ceilings:	L/360
	All Other Structural Members:	L/240
	Ext. Walls with plaster or stucco finishes:	L/360
	Ext. Walls - Wind Loads with Brittle Finishes:	L/300 L/240
	Ext. walls - Wind Loads with Flexible Finishes:	
		L/120
	<u>SEISMIC DESIGN DATA:</u> SEISMIC IMPORTANCE FACTOR (Ie):	1.0
	. ,	1.0
f	SPECTRAL RESPONSE ACCELERATIONS:	20.0%
	(Ss): (S1):	8.0%
	SPECTRAL RESPONSE COEFFICIENTS:	8.0 %
	(Sds):	33%
		33% 18.7%
	(Sd1): SEISMIC DESIGN CATEGORY:	
2		B D
•	SEISMIC SITE CLASSIFICATION:	—
		0.05
	SEISMIC MODIFICATION FACTOR (R):	6.5 2.9k
	BASE SHEAR:	
	ANALYSIS PROCEDURE:	EQUIV. LATERAL FORCE
	BASIC SFRS:	LIGHT FRAMED WALLS

## Existing property conditions photographs:



Detail: View from the rear of the back of the house and the attached enclosed patio sitting on brick piers.



Detail: View of the front of the house. Applicant: Jason Lange

Existing property conditions photographs:

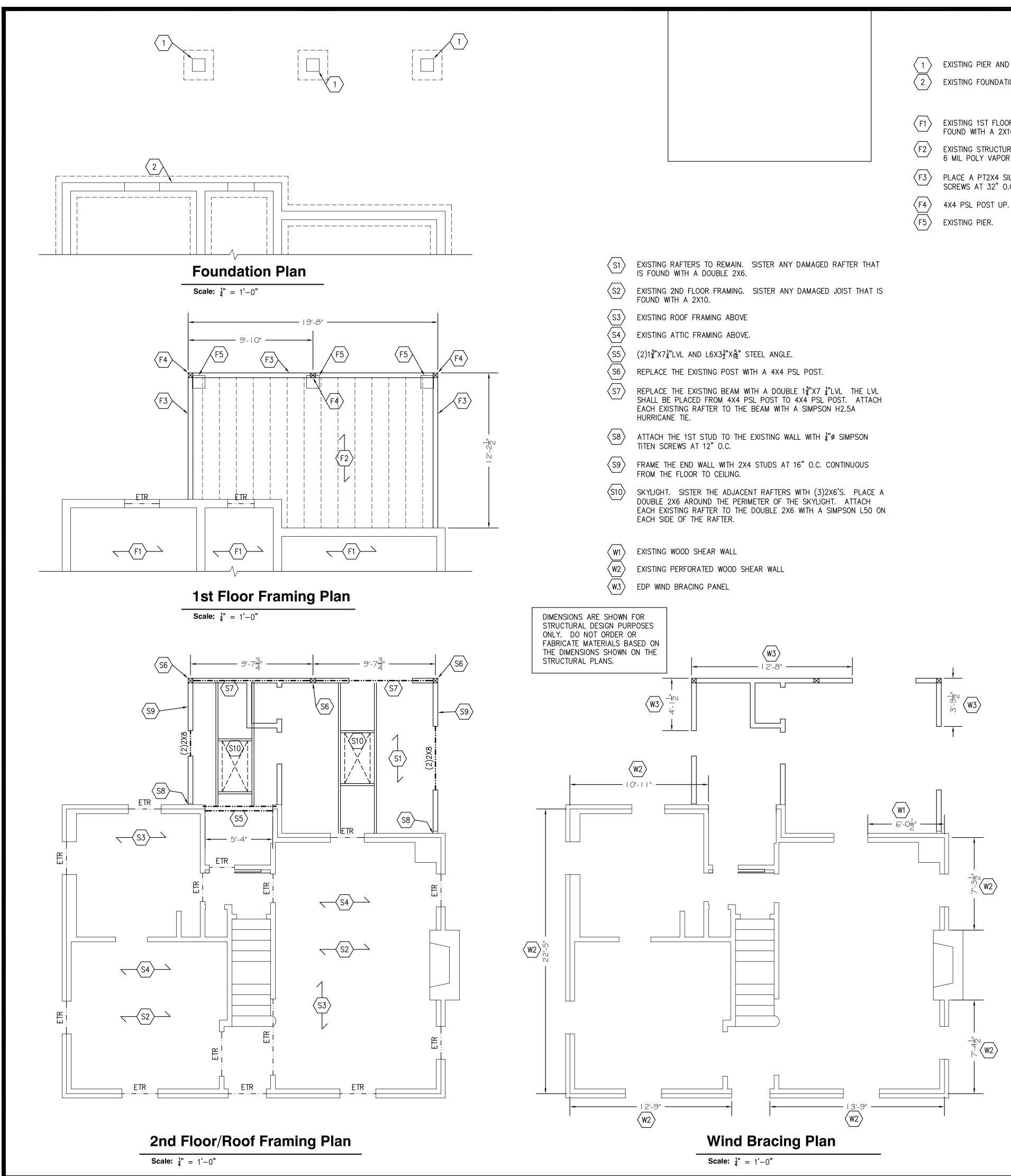


Detail: View from street, angled from west.



Detail: View from street, angled from east

Applicant: Jason Lange





EXISTING PIER AND FOOTING.

EXISTING FOUNDATION WALL AND FOOTING.

EXISTING 1ST FLOOR FRAMING. SISTER ANY DAMAGED JOIST THAT IS FOUND WITH A 2X10

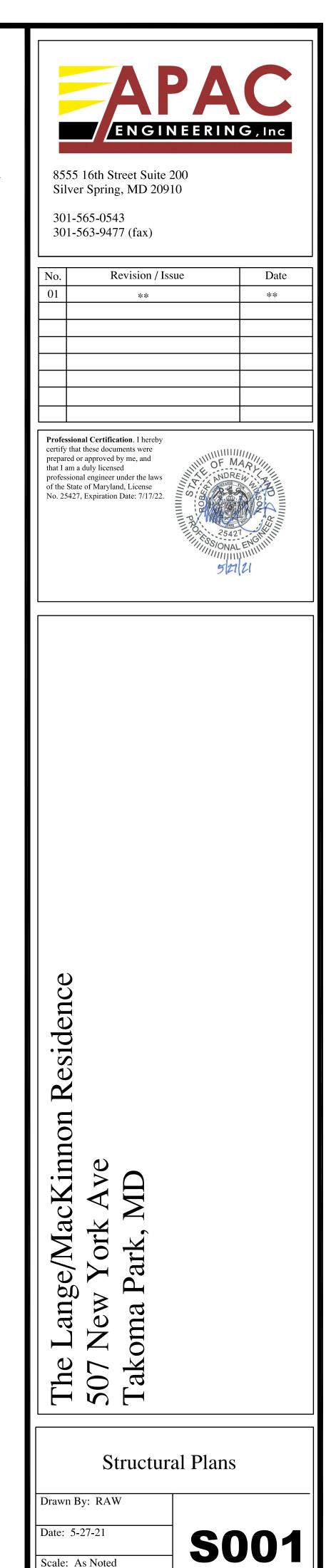
- (F2) EXISTING STRUCTURAL SLAB PLACE RIPPED 2X WOOD SLEEPERS ON A 6 MIL POLY VAPOR BARRIER ON THE SLAB.
- PLACE A PT2X4 SILL PLATE ON THE SLAB WITH  $\frac{1}{4}$ " SIMPSON TITEN SCREWS AT 32" O.C.

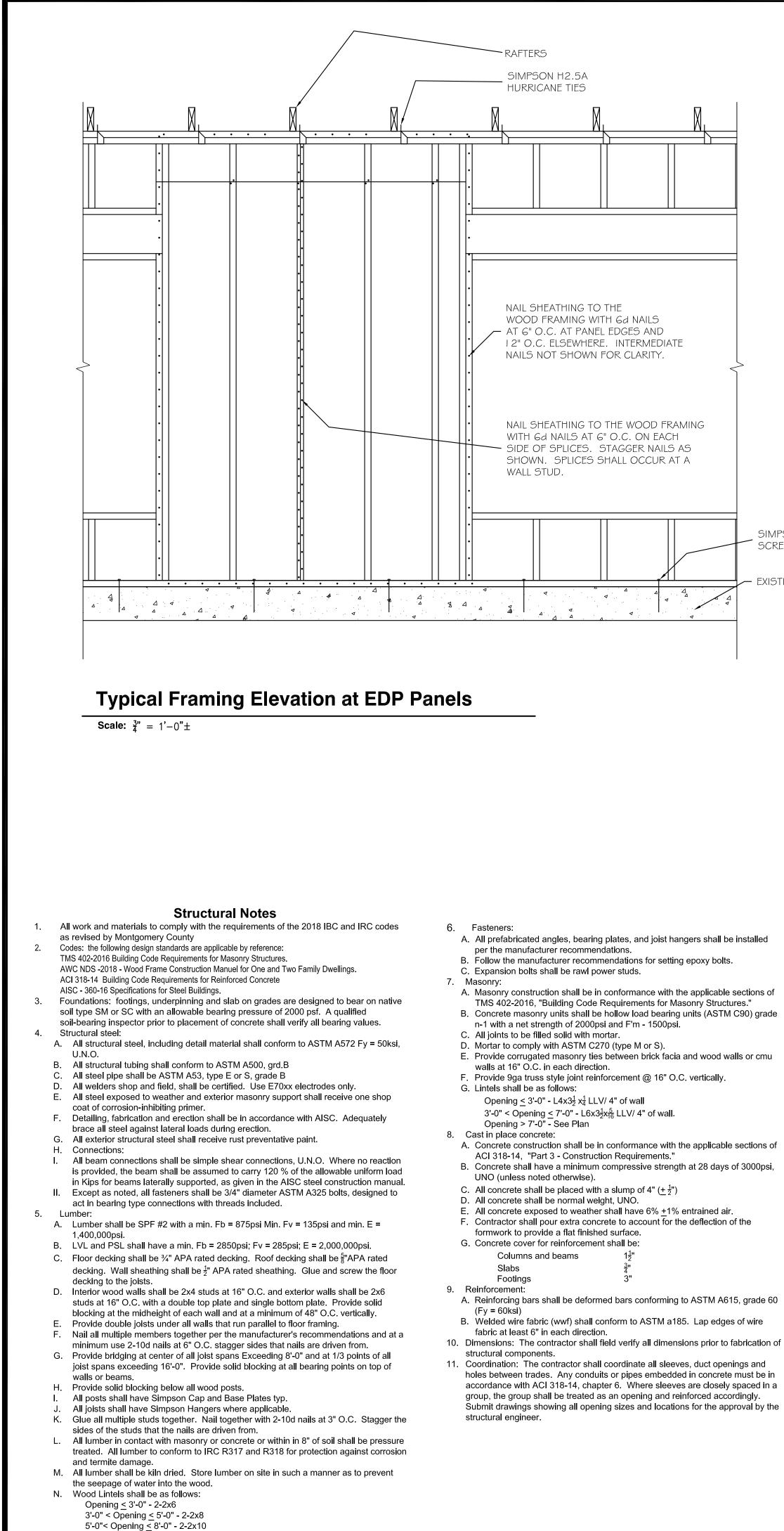
## FRAMING NOTES:

- 1. THE BOTTOM OF ALL FOOTINGS SHALL BE 30" MINIMUM BELOW GRADE.
- 2. ALL HEADERS ARE ASSUMED TO BE SUPPORTED BY A DOUBLE JACK AND
- SINGLE KING STUD, UNLESS NOTED OTHERWISE. 3. PROVIDE SQUASH BLOCKING AS NEEDED BELOW ALL POSTS, COLUMNS, AND MULTIPLE STUDS.
- 4. ATTACH ALL QUADRUPLE AND QUINTUPLE BEAMS TOGETHER WITH 2 ROWS OF <sup>1</sup>/<sub>2</sub>"ø BOLTS AT 16" O.C. STAGGERED.
- 5. EPOXY BOLTS SHALL BE SIMPSON "SET". FOLLOW MANUFACTURES INSTRUCTIONS FOR INSTALLATION AND THE INSTRUCTIONS OF ESR 1772. EPOXY BOLTS SHALL HAVE 6" EMBEDMENT WITH SCREEN TUBES WHEN PLACED IN HOLLOW MASONRY UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE TEMPORARY SHORING DURING CONSTRUCTION AS NEEDED FOR THE EXISTING STRUCTURAL ELEMENTS THAT WILL REMAIN. 7. ATTACH VENEER TO THE WOOD OR CMU BACKING STRUCTURE WITH METAL TIES
- AT 16" O.C. IN EACH DIRECTION. PROVIDE FLASHING, WATERSTOPS AND WEEP HOLES IN THE VENEER PER THE IRC CODE. 8. ALL STEEL ANGLE LINTELS SHALL BE LONG LEG VERTICAL (LLV). PROVIDE 6"
- BEARING FOR STEEL ANGLES ON SOLID MASONRY. 9. ALL NAILS USED FOR EXTERIOR APPLICATIONS SHALL BE RING SHANK NAILS. 10. ALL NAILS, HANGERS, BOLTS, AND AND SCREWS EXPOSED TO THE EXTERIOR
- SHALL BE GALVANIZED. 11. ALL LUMBER EXPOSED TO EXTERIOR CONDITIONS SHALL BE TREATED SOUTHERN PINE #2.
- 12. WHEN ATTACHING EXISTING JOISTS TO FLUSH BEAMS USE OVERSIZED SIMPSON LUS HANGERS. ADD BLOCKING AS NEEDED TO FILL THE GAPS BETWEEN THE JOIST AND THE HANGER.
- 13. THE CONTRACTOR SHALL SURVEY ALL EXPOSED MASONRY IN THE HOME AND POINT ANY DETERIORATED JOINT THAT IS DISCOVERED AND REPLACE ANY DETERIORATED BRICKS OR BLOCKS.
- 14. TYPICAL JOIST HANGER SHALL BE A SIMPSON LUS HANGER.
- 15. TYPICAL RAFTER TO RIDGE HANGER SHALL BE A SIMPSON LSU.
- 16. TYPICAL RAFTER TO FLUSH BEAM HANGER SHALL BE A SIMPSON L70 ON EACH SIDE OF THE RAFTER.
- 17. TYPICAL POST TO BEAM CONNECTOR SHALL BE A SIMPSON LPC ON EACH SIDE. 18. TYPICAL POST TO FLOOR PLATE CONNECTOR SHALL BE A SIMPSON L30 ON EACH SIDE OF THE POST.
- 19. TYPICAL STRINGER TO FRAMING CONNECTOR SHALL BE A SIMPSON MTS15 ON EACH SIDE.
- 20. TYPICAL DIMENSIONAL BEAM TO BEAM HANGER SHALL BE A SIMPSON HU MAX. 21. TYPICAL LVL TO LVL BEAM HANGER SHALL BE A SIMPSON HHUS.
- 22. PLACE A DOUBLE JOIST BELOW ALL WALLS THAT ARE PARALLEL TO THE FLOOR FRAMING. ALTERNATE: PLACE BLOCKING BETWEEN THE JOISTS BELOW THE WALLS AT 16" O.C.

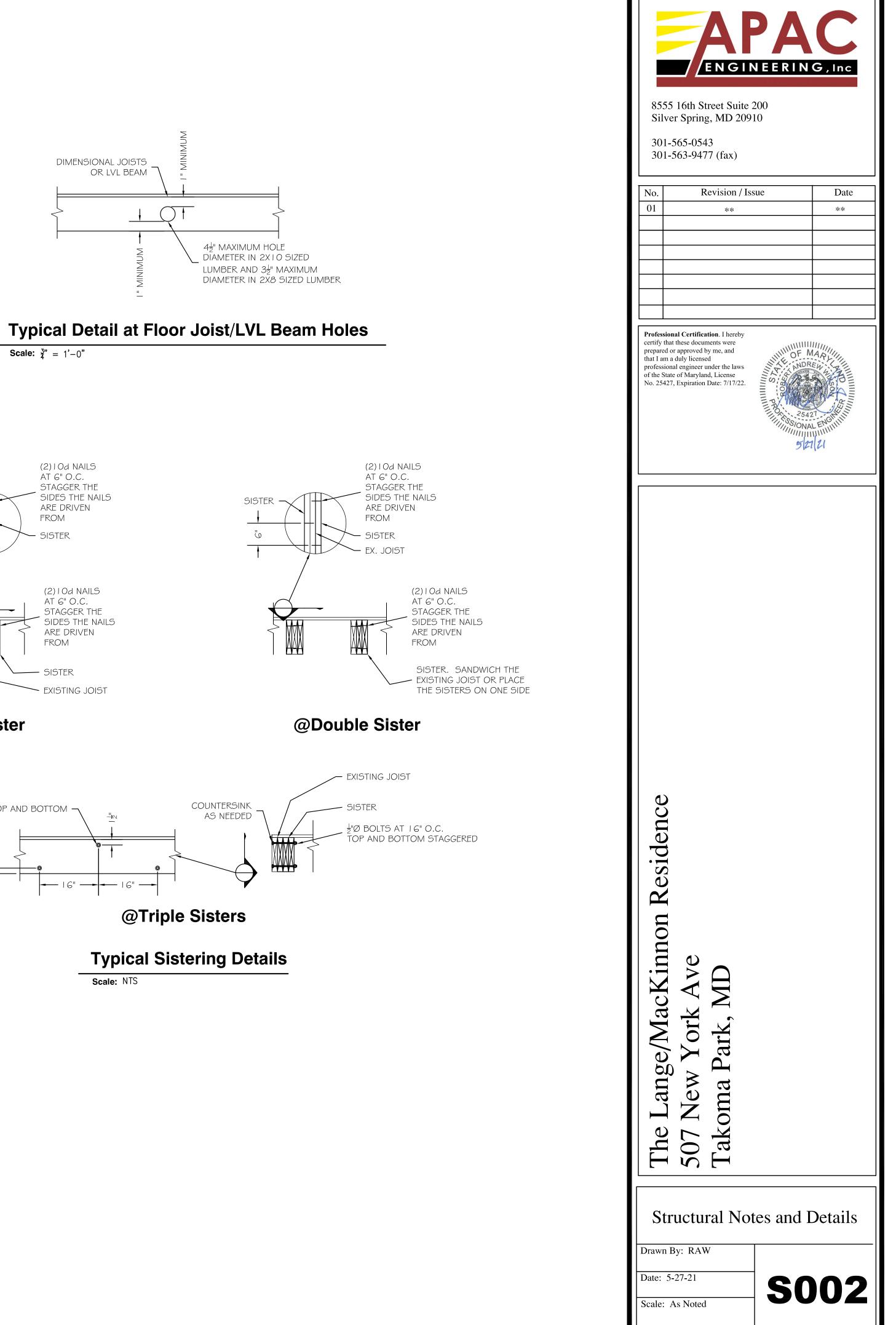
## WIND BRACING NOTES:

- 1. WALLS BRACED PER IRC R602.10 AND R301.1.3 "ENGINEERED DESIGN".
- 2. APPLY  $\frac{7}{16}$  OSB SHEATHING TO ALL EXTERIOR WALLS. 3. ATTACH OSB TO WOOD FRAMING WITH 6d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. ELSEWHERE.
- 4. EDP DENOTES "ENGINEERED DESIGNED PANEL". 5. ATTACH THE BOTTOM PLATE OF THE WALL TO THE JOISTS OR BLOCKING WITH 1-16d (0.135X3) NAIL. ATTACH THE BOTTOM PLATE TO THE RIM BOARD WITH 16d NAILS AT 12" O.C.
- 6. ATTACH EACH JOIST AND RAFTER TO THE TOP PLATE
- OF THE WALL WITH 2–16d  $(0.135\times3\frac{1}{2})$  TOE NAILS. 7. ATTACH THE RIM BOARD TO THE TOP PLATE OF THE
- WALL WITH 16d  $(0.135 \times 3\frac{1}{2})$  TOE NAILS AT 12" O.C.
- 8. ATTACH RIM BOARD TO SILL PLATE WITH 16d  $(0.135X3_2^1)$ TOE NAILS AT 12" O.C.





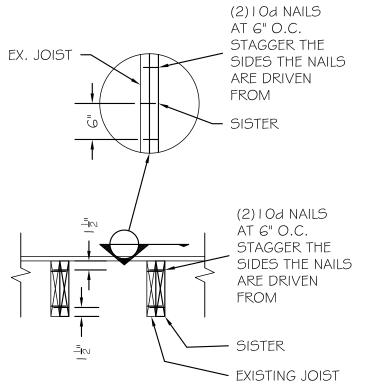
Greater than 8'-0" - See plans



**Scale:**  $\frac{3}{4}^{"} = 1^{'} - 0^{"}$ 

### SIMPSON TITEN SCREWS

- EXISTING CONCRETE SLAB



## **@Single Sister**

2"Ø BOLTS TOP AND BOTTOM - COUNTERSINK AS NEEDED
@Triple Sisters
Typical Sistering De

	Dead Loads:	
	SPF #2 -	25 PCF
	½ Decking -	1.7 PSF
	¾" Decking -	2.5 PSF
	Asphalt Shingles -	2.5 PSF
	Slate Shingles -	15 PSF
	½" Drywall -	2.2 PSF
	Insulation -	1.5 PSF
	Siding -	2.0 PSF
	CMU-	87 PCF
	Brick -	130 PCF
	LIVE LOADS:	
	DECK:	40PSF
	ATTIC:	20PSF
	FLOOR:	40PSF
	BALCONY	60PSF
	BEDROOM	40PSF
	ROOF:	30PSF
	WIND LOADS	
	WIND SPEED:	Vult = 115mph; Vasd = 89mph
	WIND LOAD IMPORTANCE FACTOR:	1.0
	WIND EXPOSURE FACTOR:	B
	WIND DESIGN PRESSURE:	11PSF
	SNOW LOADS:	111 51
	GROUND SNOW LOAD (PG):	30PSF
	FLAT ROOF SNOW LOAD (PG).	30PSF
	SNOW EXPOSURE FACTOR (CE):	0.9
	SNOW EXPOSITE FACTOR (CE).	1.0
	Deflection Limitations:	1.0
	Rafters:	L/240
	Interior Walls and Partitions:	H/180
	Floors and Plastered Ceilings:	L/360
	All Other Structural Members:	L/240
	Ext. Walls with plaster or stucco finishes:	L/360
	Ext. Walls - Wind Loads with Brittle Finishes:	L/300 L/240
	Ext. walls - Wind Loads with Flexible Finishes:	
		L/120
	<u>SEISMIC DESIGN DATA:</u> SEISMIC IMPORTANCE FACTOR (Ie):	1.0
	. ,	1.0
f	SPECTRAL RESPONSE ACCELERATIONS:	20.0%
	(Ss): (S1):	8.0%
	SPECTRAL RESPONSE COEFFICIENTS:	8.0 %
	(Sds):	33%
		33% 18.7%
	(Sd1): SEISMIC DESIGN CATEGORY:	
2		B D
•	SEISMIC SITE CLASSIFICATION:	—
		0.05
	SEISMIC MODIFICATION FACTOR (R):	6.5 2.9k
	BASE SHEAR:	
	ANALYSIS PROCEDURE:	EQUIV. LATERAL FORCE
	BASIC SFRS:	LIGHT FRAMED WALLS