

Staff Report

Infill Housing Design Review Committee

File Number: 9-B-23-IH

Meeting: 9/20/2023

Applicant: Josh Braden Braden Family Properties, LLC

Owner: Braden Family Properties, LLC

Property Information

Location: 318 E. Oldham Ave. Parcel ID 81 L A 005

Zoning: RN-2 (Single-Family Residential Neighborhood)

District: Oakwood/Lincoln Park Infill Housing Overlay District

Description of Work

Level III New Primary Structure

New primary residence fronting Oldham Avenue. Two story residence with a front gable roof (10/12 pitch), with a shed-roof massing extending the full length of the façade. Roof, siding, and window materials are unspecified. The house measures 40' long by 16' wide (20' wide with a 4' massing recessed towards the rear). The house is proposed to be set 21' from the front property line. Parking is located at the rear, accessed from the alley, featuring an 18' wide concrete drive.

The façade (north) features a 6' deep projecting porch, supported by three 8x8 square columns, extending the full width of the structure. The porch features a shed roof (4/12 pitch) with an engaged gable located on the right side over the door. On the first story, the first two bays are paired 1/1 double hung windows, followed by a full-light door with a transom. Paired 1/1 double hung windows are centrally located on the second story of the façade. A 1/1 double hung window is also visible on the recessed massing which extends from the right side of the house, approximately 12' behind the façade.

The left elevation features a secondary opening to a small porch. One 1/1 double hung window is located on this elevation. The right elevation features a one-story, massing projecting from the center of the elevation, featuring a transom window. The rear elevation has two 1/1 double hung windows on the first story and one pair of 1/1 double hung windows on the second story.

Applicable Design Guidelines

Heart of Knoxville Infill Housing Design Guidelines

- 1. Front Yards:
- Consistent front yard space should be created along the street with the setback of a new house matching the older houses on the block.
- A walkway should be provided from the sidewalk or street to the front door. Along grid streets, the walk should be perpendicular to the street.
- Healthy trees that are outside the building footprint should be preserved. The root area should be marked and protected during construction.

- 2. House Orientation and Side Yards:
- New housing should be proportional to the dimensions of the lot and other houses on the block.
- Side yard setbacks should be similar to older houses on the block, keeping the rhythm of spacing between houses consistent.
- On lots greater than 50' in width, consider re-creating the original lot size.

3. Alleys, Parking, and Services

- Parking should not be in front yards.
- On streets without alleys, garages or parking pads should be at least 20 feet behind the front façade of the infill house with access limited to one lane between the street and the front facade.

4. Scale, Mass, and Foundation Height

- The front elevation should be designed to be similar in scale to other houses along the street.
- The front façade of new houses should be about the same width as original houses on the block.
- New foundations should be about the same height as the original houses in the neighborhood.
- If greater height is to be created (with new construction or an addition), that portion of the house should be located toward the side or rear of the property.

5. Porches and Stoops

- Porches should be part of the housing design in those neighborhoods where porches were commonplace.
- Porches should be proportional to original porches on the block, extending about 8-12 feet toward the street from the habitable portion of the house
- Porches should extend into the front yard setback, if necessary, to maintain consistency with similarly sited porches along the street.
- Porch posts and railings should be like those used in the historic era of the neighborhood's development. Wrought iron columns and other materials that were not used in the early 1900's should not be used.

6. Windows and Doors:

- When constructing new houses, the window and door styles should be similar to the original or historic houses on the block.
- To respect the privacy of adjacent properties, consider the placement of side windows and doors.
- The windows and doors on the front facade of an infill house should be located in similar proportion and position as the original houses on the block.
- Attention should be paid to window placement and the ratio of solid (the wall) to void (the window and door openings).
- Contemporary windows such as picture windows should not be used in pre-World War II neighborhoods.

7. Roof Shapes and Materials

- New roofs should be designed to have a similar pitch to original housing on the block
- Darker shades of shingle were often used and should be chosen in roofing houses in Heart of Knoxville neighborhoods.

8. Siding Material

- Clapboard-like materials (such as cement fiberboard) should be used in constructing new housing where painted wood siding was traditionally used
- Brick, wood shingle, and other less common material may be appropriate in some older neighborhoods, particularly those with a mix of architectural styles.
- Faced stone, vertical siding, and other non-historic materials should not be used in building new houses.

11. Landscape and Other Considerations:

- One native or naturalized shade tree should be planted in the front and rear yards of in fi II lots with 25 feet or

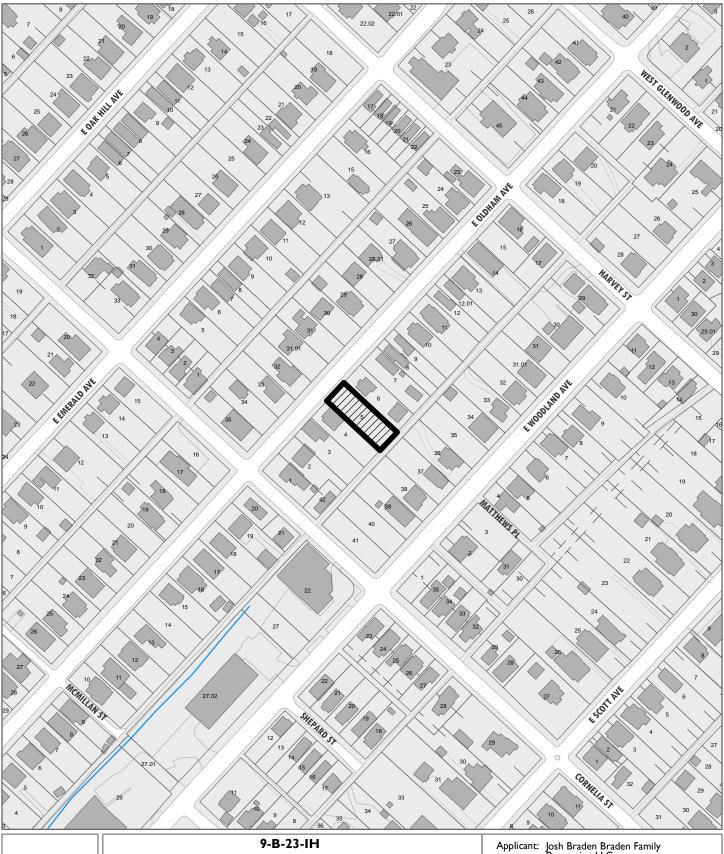
Comments

- 1. The front porch is proposed to be set 21' from the front property line. The average front setback of the block is 18.8'. The adjacent houses are set 21' and 27' from the front property line. The new house will maintain a consistent front yard space with the block.
- 2. The block to receive new construction is characterized by shotgun houses, Queen Anne cottages, and modified Craftsman bungalows. The house is relatively narrow in proportion to the lot but reflects the width of five shotgun houses on the street. The side yard setbacks are consistent with the block.
- 3. The proposed parking meets Infill Housing guidelines as it's located to the rear of the house and accessed from the alley. Final site plan revisions may be necessary to meet City Engineering standards.
- 4. The two-story, two-bay house is narrow but compatible with the multiple shotgun houses on the block, which also have very narrow façade elevations. The additional height from a second story is not disproportionate to the context. As depicted, the foundation height is compatible with the neighborhood context.
- 5. The house features a 6' deep front porch, which should be increased to at least 8' to meet the design guidelines. The 8 by 8 columns and horizontal header add detail to the porch design. The engaged gable on the front porch should be included in the final construction. If the front porch is constructed on an open foundation, the lattice or another siding method should be included to avoid an open deck look.
- 6. Guidelines recommend window and door styles be similar, with similar proportions and ratio of solid to void, to historic houses on the block. At least one additional window should be added to the left side elevation to reduce the large swath of siding with no transparency. The frontmost windows on the right side elevation should be double-hung windows instead of transoms.
- 7. The proposed 10/12 pitch roof meets the design guidelines. The final construction should incorporate the rake mold and eave overhangs as drawn.
- 8. The application does not include information on siding or roofing materials. If vinyl siding is used, the siding should feature an overlap instead of Dutch lap or flush panel siding. The CMU foundation should be clad in stucco or brick.
- 9. The final site plan should include one new native or naturalized shade tree to be planted in the front and rear yards.

Recommendation

Staff recommends approval of Certificate 9-B-23-IH, subject to the following conditions: 1) final site plan to meet City Engineering standards; 2) front porch be increased to 8' in depth; 3) additional window to be added to left side elevation and right side window to be revised in side; 4) final construction to retain all details shown on drawings.

Page 3 of 3 Planner in Charge: Lindsay Crockett 9-B-23-IH 9/8/2023 10:31:21 AM



INFILL HOUSING REVIEW BOARD

9-B-23-IH APPLICATION FOR CERTIFICATE OF APPROPRIATENESS



318 E. Oldham Ave.

Oakwood/Lincoln Park Infill Housing Overlay

Original Print Date: 9/8/2023 Revised: Knoxville/Knox County Planning - Infill Housing Design Review Committee



Feet

250



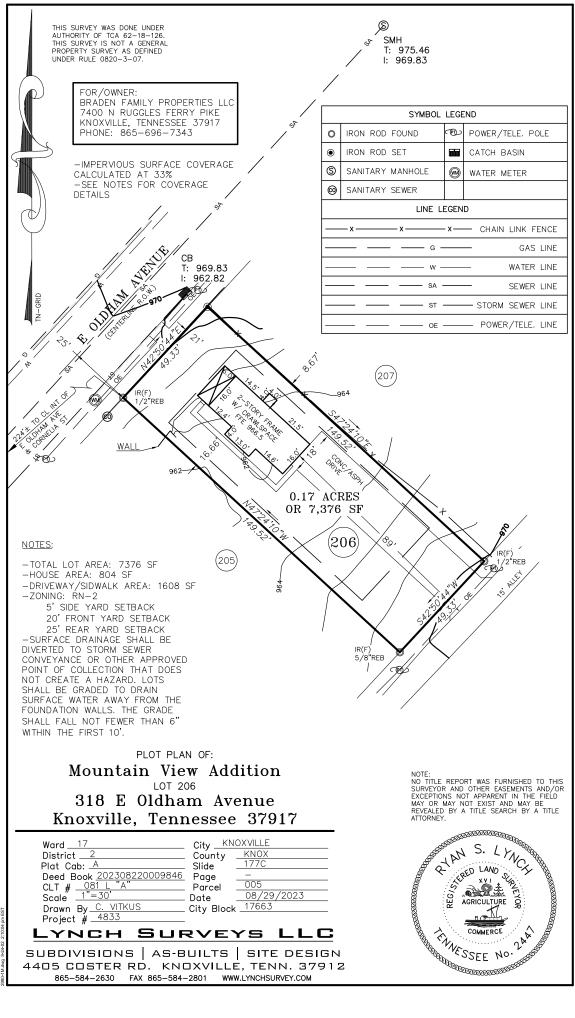
DESIGN REVIEW REQUEST

☐ DOWNTOWN DESIGN (DK)

Planning	☐ HISTORIC Z	ONING (H)		
KNOXVILLE I KNOX COUNTY	INFILL HOU	ISING (IH)		
Josh Braden				
Applicant				
085/28/23	9.20.2	023	9-B-23-IH	
Date Filed	Meeting Da	te (if applicable)	File Numbe	r(s)
CORRESPONDENCE All correspondence related to this	application should be	directed to the approved contac	t listed below.	
Owner Contractor 6	Engineer	ct/Landscape Architect		
Josh Braden		Braden Family P	roperties, LLC.	
Name		Company		
303 Bob Smith Lane		Knoxville	TN	37924
Address		City	State	Zip
865.696.7343	joshuabrad	dens4@gmail.com		
Phone	Email			
Owner Name (if different from ap	0.0000	wner Address		wner Phone
318 E. Oldham Avenue		081LAC		
Property Address Mountain View Add		Parcel I	D	
Neighborhood		Zoning		
AUTHORIZATION				
Lindsay Crocke	tt	Lindsay Crockett	8	3.29.23
Staff Signature		ease Print	Da	ato
118				ate
	Jo	osh Braden	O	8/28/23
Applicant Signature			1763	

REQUEST

DOWNTOWN DESIGN	Level 1: Signs Alteration of an existing building/structure Level 2: Addition to an existing building/structure Level 3: Construction of new building/structure Site design, parking, parki		
HISTORIC ZONING	Level 1: Signs Routine repair of siding, windows, roof, or other feature Level 2: Major repair, removal, or replacement of architectural elements or relevel 3: Construction of a new primary building Level 4: Relocation of a contributing structure Demolition of a contribution of work:	naterials	ccessory structures
INFILL HOUSING	Level 1: Driveways, parking pads, access point, garages or similar facilities Level 2: Additions visible from the primary street Changes to porches victore New primary structure Site built Modular Multi-Sectional See required Infill Housing attachment for more details. Brief description of work: See attached site and building plans.		
STAFF USE ONLY	ATTACHMENTS Downtown Design Checklist Historic Zoning Design Checklist Infill Housing Design Checklist ADDITIONAL REQUIREMENTS Property Owners / Option Holders Level 1: \$50 • Level 2: \$100 • Level 3: \$250 • Level 4: \$500	FEE 1: 250.00 FEE 2: FEE 3:	TOTAL: 250.00



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abbreviations

ceiling joist ceiling concrete masonry unit clg CMU cased opening concrete ceramic tile dbl.
dj
ew.
fj
ftg
HVAC
jst.
LVL double double Joist each way floor Joist footing heating/ventilating/air conditioning joist laminated veneer lumber - le. Parallam mechanical .001 Inch minimum not to scale on center pc pt. psf R/A read reinf. Rm ro. sf syp Shw. T46 vif pull cord pressure treated pounds per square foot return air required reinforcing room rough opening square feet southern yellow pine shower tongue and groove verify in fleid water heater

Thank you for your purchase of these house plans.

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Structural Notes

These plans are designed for noof loads of 20 psf live load and 10 psi dead load. The Chert to the left can be used to ad just for different requirements. All beams are labeled 1.V.1 and should be sized locally. Roof loads can vary and have a big limpact on the beams cerrying accumulated loads. Most Lumber suppliers can have this engineered for their product.

Wall Header Notes

Headers 3' or less to be 2-2x6 with 1 Jack each side Headers 4' - 6' to be 2-2x6 with 2 Jacks on each side Beams 4' to 6' to be 2-2x12 with 3 Jacks on each side or 3' min bearing and footing under point loads.

Mall bracing notes

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General Notes

- Square footages are for heated floor areas. This does not include fireplace projection or vaulted space. Stairs are counted on the main floor
- Dimensions are from the face of the stud wall. Contractor to verify all dimensions and please contact us if an error is present.
- All footings shall be on firm undisturbed soil of no less than 2000 psf and be below frost depth. The exact size and reinforcement of concrete footings must be determined by local soil conditions.
- HVAC design to be sized according to the local climate conditions including compass direction.

Energy Notes

- · Caulk all exterior toe plates with latex caulk.
- · Gaulk all wire and pipe holes where they penetrate all upper and lower
- Use blown-in wall insulation if at all possible, if batt insulation is used pack. behind all electrical boxes.
- Seal all joints in HVAC ducts, with leakage no more than 3%. Three inch fiber mesh tape should be used on all collar to plenum connections and all gaps that are 1/4° or wider, insulate ducts with R-6.5 or greater.
- Foam insulate between all exterior window and door edges and rough opening frame. Use non-expanding foam.
- . Provide back draft damper on kitchen hood vent, dryer vent, and bathroom
- · Insulate all hot water pipes.
- · Install wrap kit on water heater.

o Rick Thompson - 2023



_crawl notes ledgerblk8-6 Sheet 03 - Floor 1 Plan Electrical 1 Floor Plan Floor 1 Plan Kitchen insulation chart Sheet 04 - Floor 2 Plan Door List RT Electrical 2 Floor Plan Floor 2 Plan

Window List RT Sheet 05 - Elevations Front Elevation Left Side Elevation

Index to Drawings

Sheet 01 - Cover

Drawina Index

FdnBblk

FI1blk8-6

Sheet 02 - Crawl Foundation

Crawl Foundation Plan

Sheet 06 - Elevations Rear Elevation Right Side Elevation porch4EaveUp18 _porch8'col

rakeAttic 18noBracket Sheet 07 - Details Building Section

insulation chart

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Plan 1202Am



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6/29/23





Provide 16'x24' min. access door. Location as per field conditions - side prefered

Provide foundation vents not less than 1 sqft per 150 sqft under floor space. One vent within 3 feet of each corner, IRG - R408.1

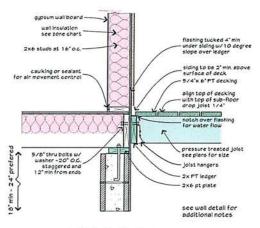
or Unvented where exposed earth is covered and and air supplied as per IRC - R404

Fill piers solld with grout. Pier block size shown is minimum. May vary as per foundation height.

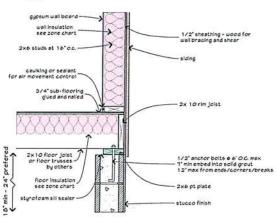
Footing sizes and reinforcement are assumed Soil conditions vary and must be taken into account, inspectors can slow builders to adjust the use of rebar and footing sizes as per local conditions.

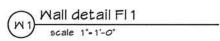
Girders may be sized with LVL's to reduce piers. Up size footing accordingly (30°×30°×10° min w/ 4-*4's each way) and 16°×16° filled piers. See separate drawing for LVL's

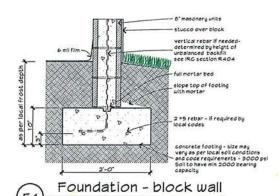
Separate double joist under plumping walls 5 1/2"

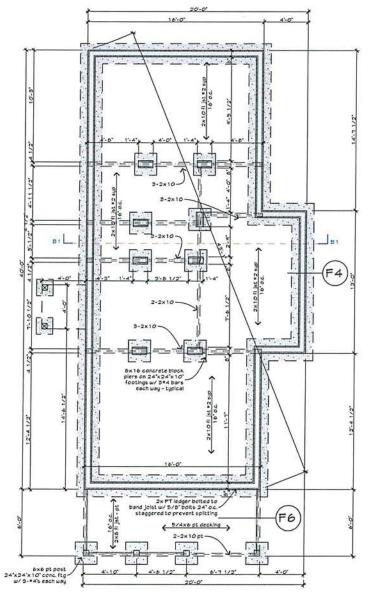












Crawl Foundation Plan

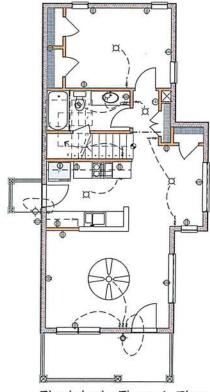
scale 1/4"=1'-0"

Minimum Insulation Chart

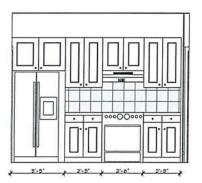
Table N 1 102.1 - IRC 2018 (2021 NGRG - in parentheses)

Cimate zone	Glazing U-factor	Glazes fenestration SHGC**	Cellings R-value	R-value	Floors R-value	Basement* walls R-value	Slabs perimeter R value and depth	Crawl space wall R- value
5	20	32	3	Z W	0	n v	200	50
1	NR	.25	30	19	13	0	0	0
2	40	.25	38	13	13	0	0	0
3	.35	.25	100 00-1	20 or (15 or	19	5/13	0	5/15
4 000	.95	,40	cr 20-)	10 or (15 cr	19	(10/15)	(10.2)	(10/15)
5.~~	(31)	NR	4+196 (+ 20-)	20 or (14" or	300	10/15	(10.2)	10/13
6	.92	NR	44	10 or	301	15/19		(10/14)
7	.52	NR	49	30 or	380	15/19		15/19
8	.92	NR	44	20 cm	384	15/19	10.4	15/19

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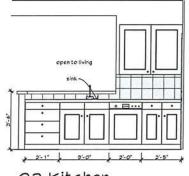


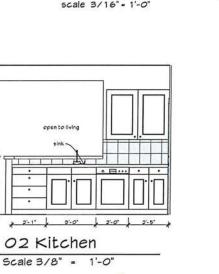
Electrical - Floor 1 Plan scale 3/16" - 1'-0"

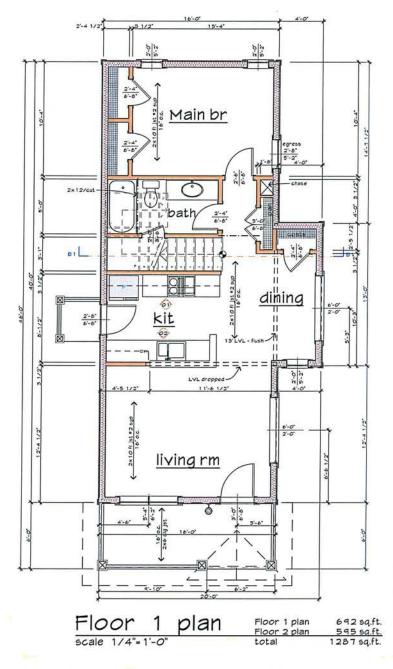


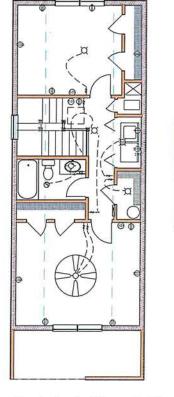
01 Kitchen

Scale 3/8" = 1'-0"





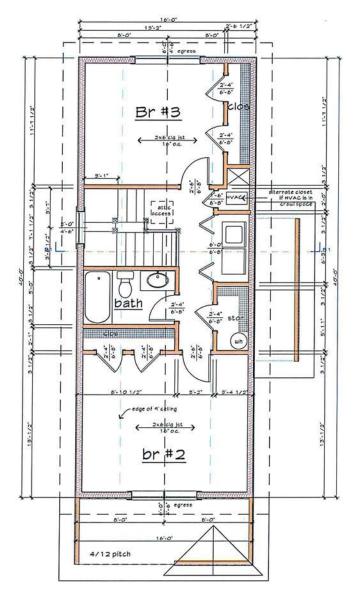




Electrical - Floor 2 Plan scale 3/16" - 1'-0"

Door List						
Midth	Height	Name	Туре	Quantity		
1'-6"	68.	RD02 Swing	Interior	1		
2'-0"	36.	RD02 Swing	Access	1		
2'-4"	6-8	RD02 Swing	Interior	10		
2'-6"	6'-8"	RD02 Swing	Interior	3		
2'-6"	6'-8"	RDO 1 Door ST	Exterior	1		
3:-0"	6'-8"	RDO 1 Door ST	Exterior	1		
3'-0"	6:-5"	RDO2 Swing	Access	1		
6'-0"	6'-8"	RDOS Bifold	Interior	1		
			18-	14		

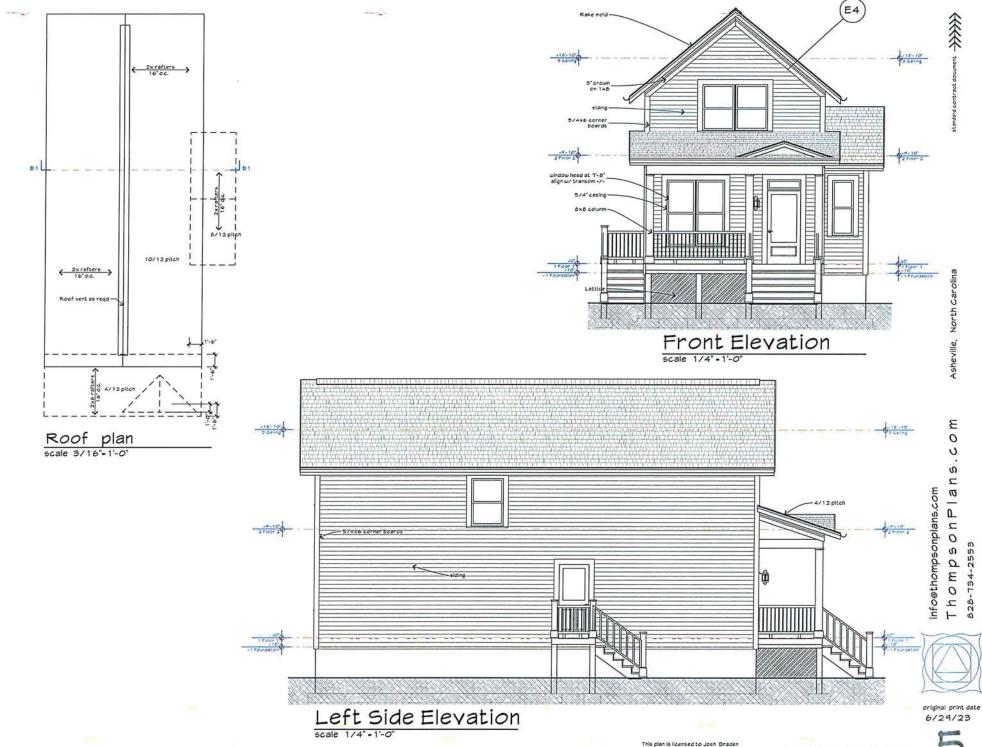
Window List					
M x H Size	Units	Mindow Type	Quantity		
2'-0'×5'-2"	Single	RM 1-4 Doublehung	3		
2'-8'x5'-2'	Single	RM 1-4 Doublehung	1		
3'-0'×4'-6"	Single	RM1-4 Doublehung	11		
5'-4'x6'-2'	Twin	RM1-4 Doublehung	1		
6'-0"x2'-0"	Single	RM1-1 Stationary	2		
6'-0"x4'-6"	Twin	RM1-4 Doublehung	2		
		7	10		



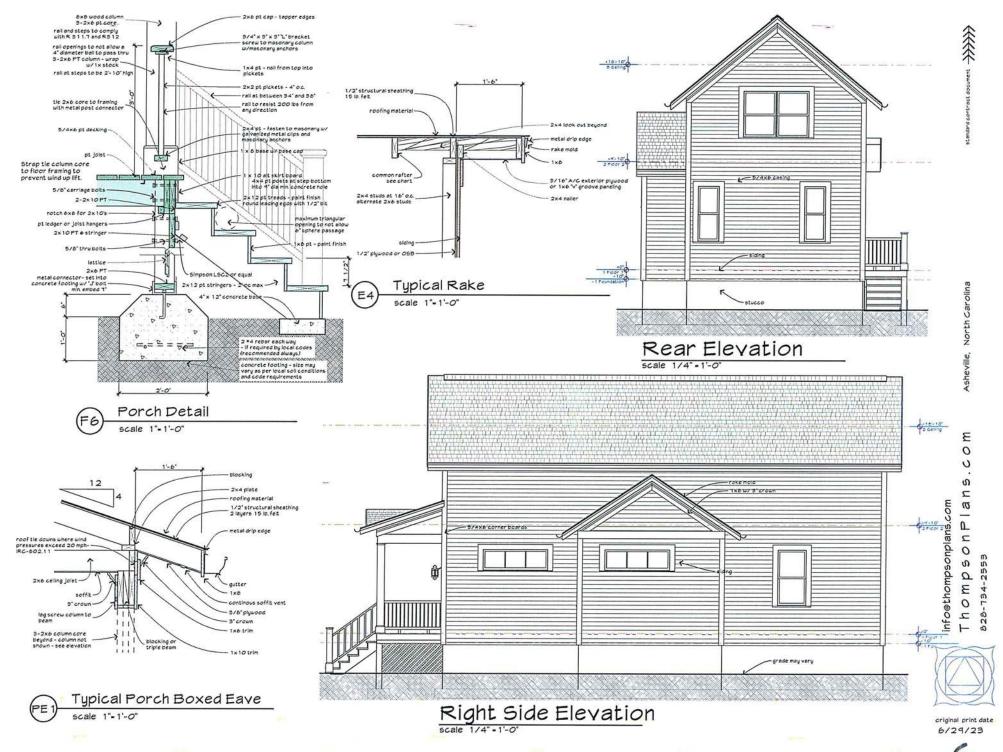
Floor 2 plan



original print date 6/29/23



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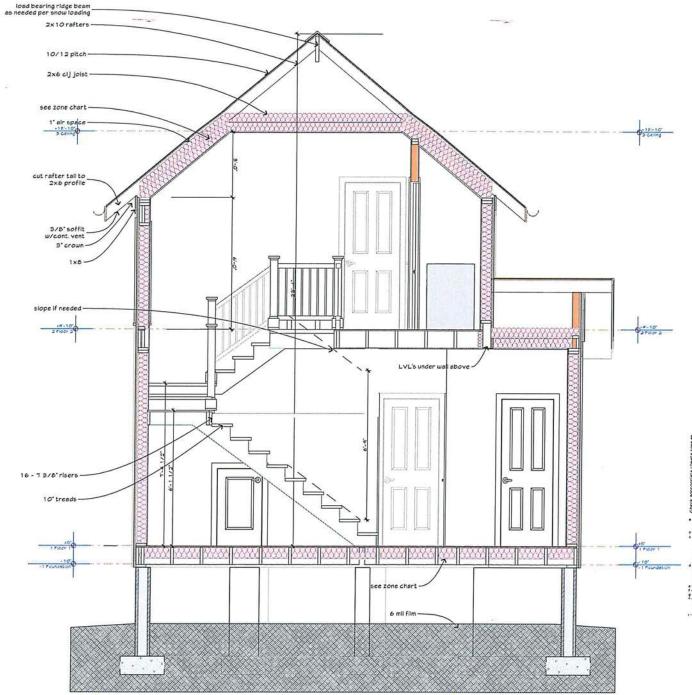


e 2023 Rick Thompson



6/29/23





1 NR 25 30 19 0 0 0

Minimum Insulation Chart

Table N1 102.1 - IRC 2018 (2021 NCRC - in parentheses)

Building Section B 1

Scale 1/2" = 1'-0"

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