



Staff Report

Infill Housing Design Review Committee

File Number: 2-A-25-IH

Meeting: 2/19/2025
Applicant: Josh Braden Braden Family Properties, LLC
Owner: Josh Braden Braden Family Properties, LLC

Property Information

Location: 2815 Johnston St. **Parcel ID** 81 I K 023
Zoning: RN-2 (Single-Family Residential Neighborhood)
District: Lonsdale Infill Housing Overlay District

Description of Work

Level III New Primary Structure

New primary residence fronting Johnston Street. Two story residence features a front gable roof (10/12 pitch), an exterior of horizontal siding (material unspecified) with corner boards, and a block foundation clad in stucco. The house measures 40' long by 16' wide (20' wide with a 4' massing recessed towards the rear) and is proposed to be set 27' from the front property line. It features a full length, 6' deep front porch recessed under a shed roof with an engaged front-gable accent over the door that is supported by three 8" square posts. Parking is an 18' wide concrete driveway flush with the front of the house and is accessed via the alley, which runs parallel to the lot.

The façade (northeast) features two bays on the first story, with paired 1/1 double hung windows in the first bay, 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 side-gable massing which projects from the right side of the house, approximately 12' behind the façade. The left elevation features a secondary opening to a small porch, with one 1/1 double hung window on the second story. The right elevation features a one-story, side-gable massing projecting from the center of the elevation, and there are two transom windows and a 1/1 double-hung window on the first story, with none on the second. 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.

Notes on the plan reference previous cases' conditions of approval but the changes are not shown.

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. Housing Orientation

- New housing should be proportional to the dimensions of the lot and other houses on the block.
- On corner lots, side yard setbacks should be handled traditionally (that is, closer to the side street). The zoning requirement to treat corner lots as having two frontages should not apply in Heart of Knoxville neighborhoods.
- Side yard setbacks should be similar to older houses on the block, keeping the rhythm of spacing between houses consistent.

3. Alleys, Parking, and Services

- Parking should not be in front yards.
- Alley access should be used for garage or parking pad locations. On level ground, pea gravel or similar material may be used as a parking pad off alleys.
- 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 façade.
- Garages which are perpendicular to the alley should be about 18 feet from the center line of the alley pavement, allowing a comfortable turning radius for a driver to enter a garage.
- Alley-oriented parking pads, garbage collection points, and utility boxes should be screened with a combination of landscaping and fencing.
- On those streets which have alleys, driveways should not be permitted from the front of the house.
- On corner lots, a driveway to the garage may be provided off the side street.

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.
- Small stoops centered on entry and no more than 5 feet deep are appropriate on blocks where porches were not traditional.

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
- More complex roofs, such as hipped roofs and dormers, should be part of new housing designs when such forms

were historically used 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. In 1930-1950 era neighborhoods, faced stone may be appropriate (see Section 12).

11. Landscape and Other Considerations

- One native or naturalized shade tree should be planted in the front and rear yards of in fill lots with 25 feet or more in depth to front of house

Comments

1. The house is proposed to be set 27' from the front property line, with a full-length front porch at 21' from the front property line. The average front setback of the relatively small blockface is 18.3', with the adjacent house set 24' from the front property line. The proposed house will maintain a consistent front setback pattern with the street. The site plan includes a walkway from the house to the street.

2. The block to receive new construction is characterized by modified Queen Anne cottages, Craftsman bungalows, and infill construction. The 16' wide by 40' deep house is not proportionate to other houses on the block or lot. Comparable houses in the neighborhood range between approximately 26' and 36' wide. Side setback requirements would allow for a house with a wider façade. The Board should discuss the proposed building width.

The applicant has used the proposed plan previously; the staff report noted the narrow width of the building but there were five comparable shotgun houses on the block.

3. Infill Housing design guidelines recommend that on lots without alleys, new driveways should be at least 20' behind the front façade of the infill house with access limited to one lane between the street and the front façade. Parking is a concrete pad flush with the porch and the façade of the house and is accessed from a side alley. Although there is an alley that is being used to access parking, the location of the pad should be revised to be at least 20' behind the front façade, or behind the house. The final site plan should meet City Engineering standards.

4. The two-bay, two-story façade is more narrow than other houses on the street by at least 7'-10', and it is taller than the context, which mostly features one story houses.

5. The house features a full-length 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 indicated on the plans 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 elevation should be double-hung windows instead of transoms.

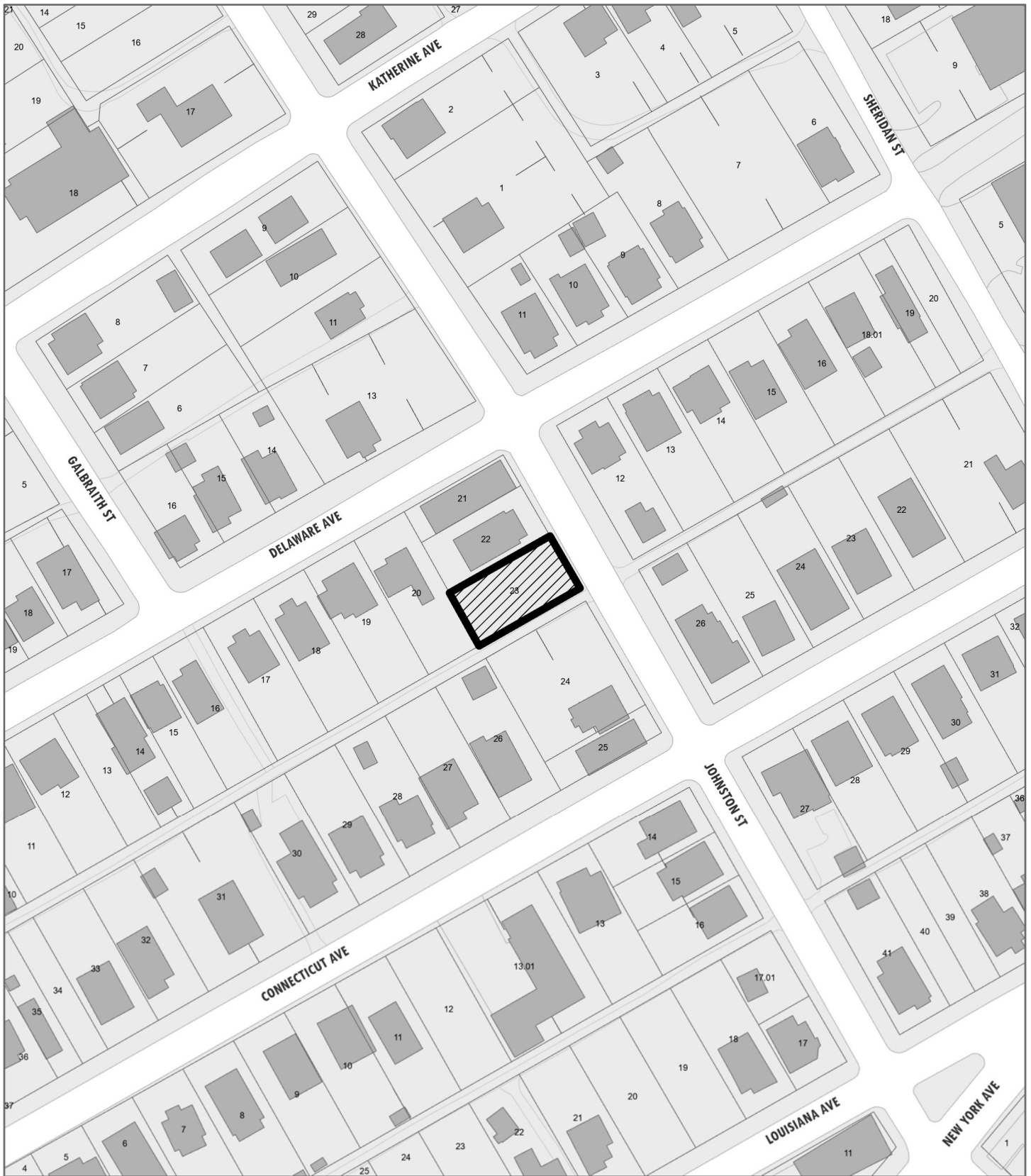
7. The proposed 10/12 pitch roof meets the design guidelines. The final construction should incorporate the rake mold and eave overhangs as drawn.

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 stucco coated block foundation meets the design guidelines.

9. The final site plan should include one native or naturalized shade tree in the front and rear yards, and the existing mature trees on the lot should be preserved.

Recommendation

The Board should discuss the proposed width and scale of the house in the neighborhood context. If determined to be appropriate, conditions of approval should include: 1) parking to be revised to meet design guidelines, with final site plan meeting City Engineering standards; 2) front porch to be increased to 8' in depth; 3) additional window to be added to left side elevation and right side window to be revised to double-hung window; 4) final construction to retain details shown in drawing; 5) final site plan should include new native or naturalized trees in front and rear yards, or existing mature trees on lot should be preserved.



**INFILL
HOUSING
REVIEW
BOARD**

**2-A-25-IH
APPLICATION FOR CERTIFICATE OF APPROPRIATENESS**



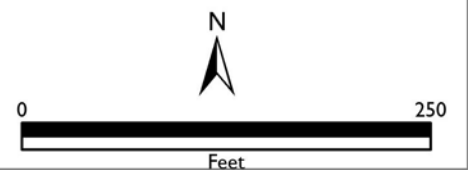
2815 Johnston St.

Lonsdale Infill Housing Overlay District

Original Print Date: 2/10/2025
Knoxville/Knox County Planning - Infill Housing Design Review Committee

Revised:

Applicant: Josh Braden Braden Family Properties, LLC





DESIGN REVIEW REQUEST

- DOWNTOWN DESIGN (DK)
- HISTORIC ZONING (H)
- INFILL HOUSING (IH)

Josh Braden

Applicant

01/13/2025

02/19/2025

2-A-25-IH

Date Filed

Meeting Date (if applicable)

File Number(s)

CORRESPONDENCE

All correspondence related to this application should be directed to the approved contact listed below.

- Owner
- Contractor
- Engineer
- Architect/Landscape Architect

Josh Braden

Braden Family Properties, LLC.

Name

Company

303 Bob Smith Lane

Knoxville

TN

37924

Address

City

State

Zip

865.696.7343

joshuabradens4@gmail.com

Phone

Email

CURRENT PROPERTY INFO

Braden Family Properties, LLC.

303 Bob Smith Lane, Knoxville, TN 37924

865.696.7343

Owner Name (if different from applicant)

Owner Address

Owner Phone

2815 Johnston Street

0811K023

Property Address

Parcel ID

Londsdale Land Co Add Pts 36 & 37

RN-2

Neighborhood

Zoning

AUTHORIZATION

Lindsay Lanois
Staff Signature

Please Print

Date

Josh Braden

01/13/2025

Applicant Signature

Please Print

Date

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, plazas, landscape

See required Downtown Design attachment for more details.

Brief description of work: _____

HISTORIC ZONING

Level 1:

- Signs Routine repair of siding, windows, roof, or other features, in-kind; Installation of gutters, storm windows/doors

Level 2:

- Major repair, removal, or replacement of architectural elements or materials Additions and accessory structures

Level 3:

- Construction of a new primary building

Level 4:

- Relocation of a contributing structure Demolition of a contributing structure

See required Historic Zoning attachment for more details.

Brief description of work: _____

INFILL HOUSING

Level 1:

- Driveways, parking pads, access point, garages or similar facilities Subdivisions

Level 2:

- Additions visible from the primary street Changes to porches visible from the primary street

Level 3:

- New primary structure
 Site built Modular Multi-Sectional

See required Infill Housing attachment for more details.

Brief description of work: _____

STAFF USE ONLY

ATTACHMENTS

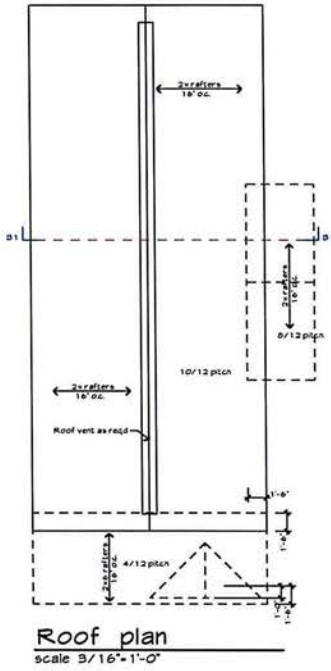
- Downtown Design Checklist
 Historic Zoning Design Checklist
 Infill Housing Design Checklist

ADDITIONAL REQUIREMENTS

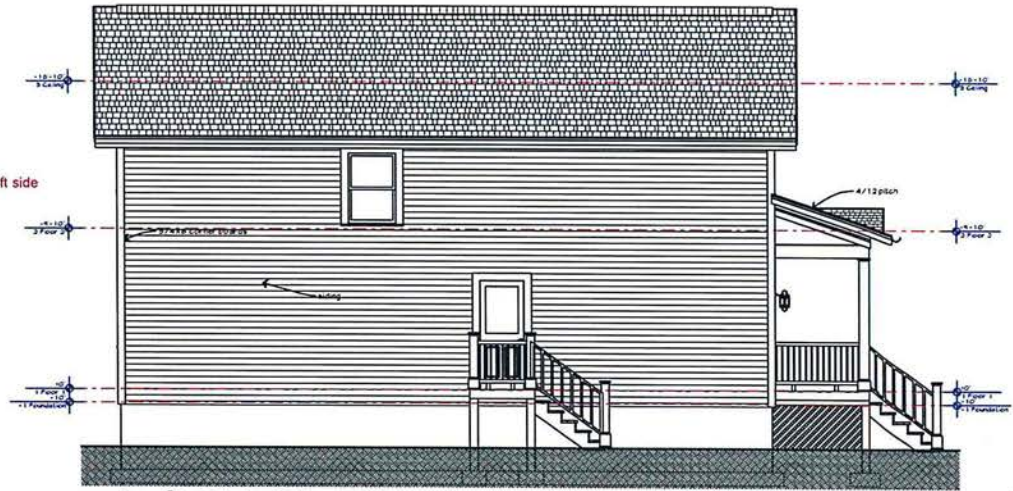
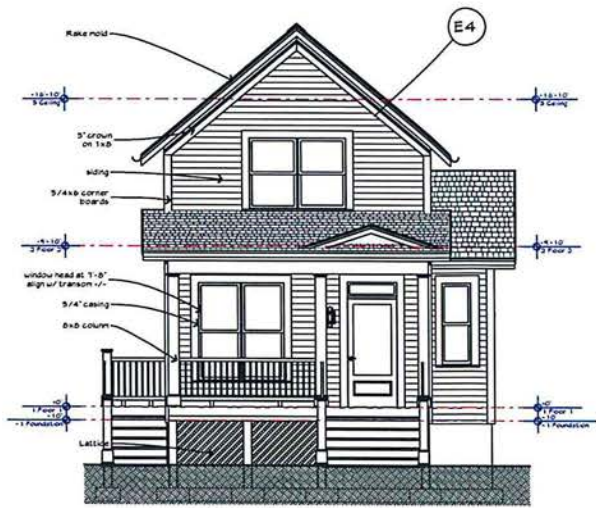
- Property Owners / Option Holders

Level 1: \$50 • **Level 2:** \$100 • **Level 3:** \$250 • **Level 4:** \$500

FEE 1:		TOTAL:
FEE 2:		
FEE 3:		



3) Additional window to be added to left side elevation per COA 9-B-23-IH



Standard contract document

Asheville, North Carolina

info@thompsonplans.com
ThompsonPlans.com
828-734-2553

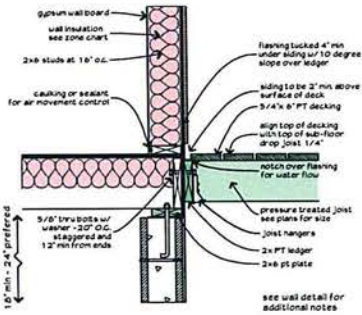
original print date
6/24/23

5
19-23-033

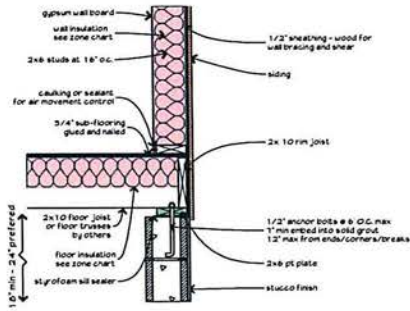
All Federal, State and local codes shall be considered as a part of these documents, and shall take preference over anything shown or implied if differences arise.

This plan is licensed to Josh Braden
© 2023 Rick Thompson

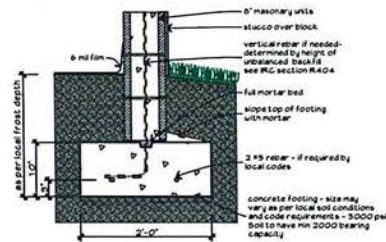
plan # 1202Am



W5 Wall detail FI1
scale 1"=1'-0"



W1 Wall detail FI1
scale 1"=1'-0"



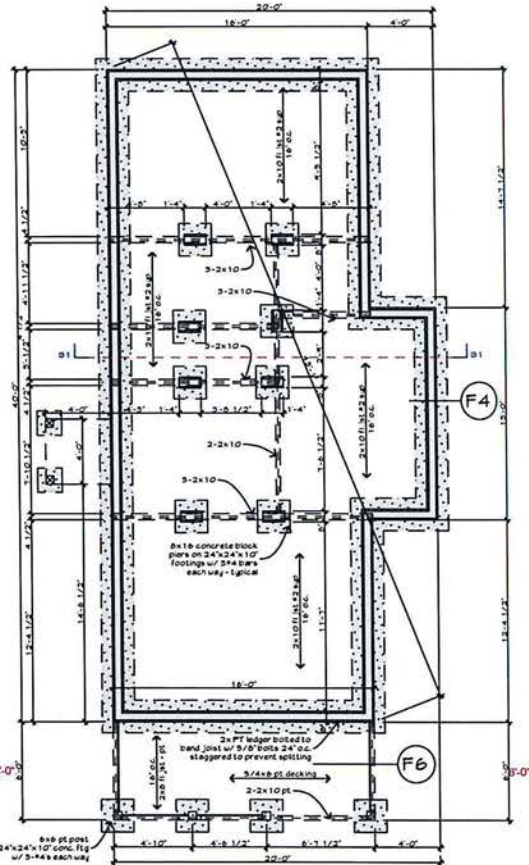
F4 Foundation - block wall
scale 1"=1'-0"

General crawl notes

Provide 18"x24" min access door
Location as per local conditions - side preferred
Provide foundation vents not less than 1 sqft per 150 sqft under floor space. One vent within 3 feet of each corner. IRC - R403.1
OR
Unvented where exposed earth is covered and air supplied as per IRC - R404
Flu ports sold with gird. Per block size shown in manual. May vary as per foundation height.
Flu spacing may vary dependent on local snow loads, soil bearing capacity and the use of roof trusses.
Footings sizes and reinforcement are assumed. Soil conditions vary and must be taken into account. Inspectors can show builders to adjust the use of rebar and footing sizes as per local conditions.
Drains may be sized with L.V.L.s to reduce pipe top size footing accordingly (157/207/107 min w/ 4-#s each way) and 18" 18" fixed pipe. See separate drawing for L.V.L.s
Separate double joist under punning with 3/12"

2) Front porch to be increased to 8' in depth per COA 9-B-23-IH

Type text here



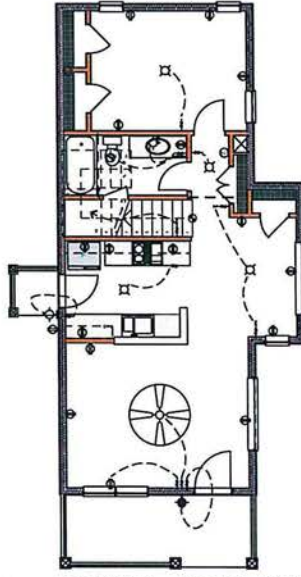
Crawl Foundation Plan
scale 1/4"=1'-0"

Minimum Insulation Chart

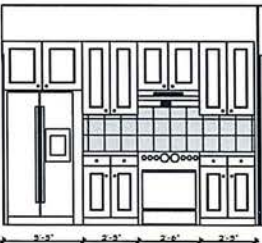
Table N1102.1 - IRC 2018 (2021 NRCG - in parenthesis)

Climate Zone	Roof R-value	Attic/Unfinished Basement Floor R-value	Basement Floor R-value	Exterior Wall R-value	Floor R-value	Foundation Wall R-value	Foundation Slab R-value	Foundation Footing R-value	Foundation Wall R-value	Foundation Slab R-value
1	15	10	5	13	10	10	10	10	10	10
2	15	10	5	13	10	10	10	10	10	10
3	15	10	5	13	10	10	10	10	10	10
4	15	10	5	13	10	10	10	10	10	10
5	15	10	5	13	10	10	10	10	10	10
6	15	10	5	13	10	10	10	10	10	10
7	15	10	5	13	10	10	10	10	10	10
8	15	10	5	13	10	10	10	10	10	10
9	15	10	5	13	10	10	10	10	10	10
10	15	10	5	13	10	10	10	10	10	10

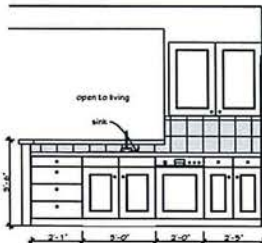
1. The R-values are minimum values and must be achieved in every assembly. 2. The R-values are minimum values and must be achieved in every assembly. 3. The R-values are minimum values and must be achieved in every assembly. 4. The R-values are minimum values and must be achieved in every assembly. 5. The R-values are minimum values and must be achieved in every assembly. 6. The R-values are minimum values and must be achieved in every assembly. 7. The R-values are minimum values and must be achieved in every assembly. 8. The R-values are minimum values and must be achieved in every assembly. 9. The R-values are minimum values and must be achieved in every assembly. 10. The R-values are minimum values and must be achieved in every assembly.



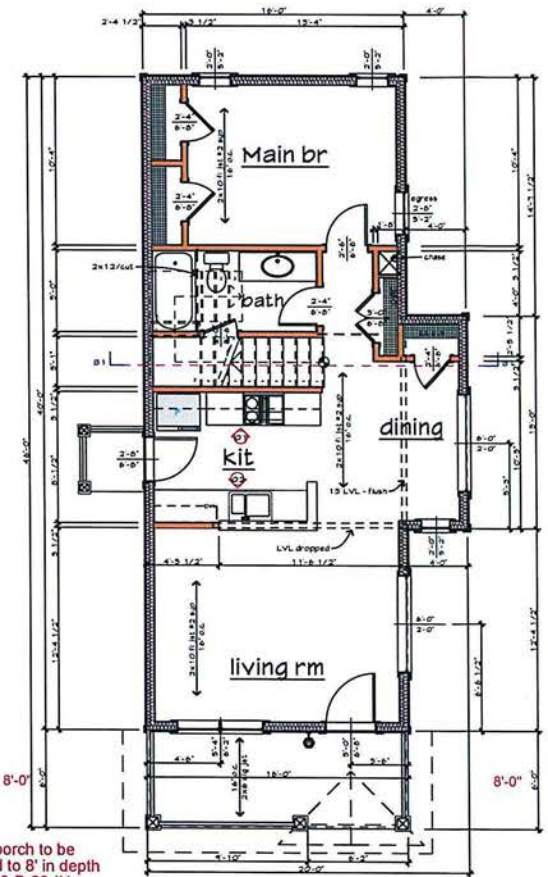
Electrical - Floor 1 Plan
scale 3/16" = 1'-0"



O1 Kitchen
Scale 3/8" = 1'-0"



O2 Kitchen
Scale 3/8" = 1'-0"



2) Front porch to be increased to 8' in depth per COA 9-B-23-IH

Floor 1 plan
scale 1/4" = 1'-0"

Floor 1 plan	642 sq.ft.
Floor 2 plan	545 sq.ft.
total	1287 sq.ft.

STANDARD CONTRACT DOCUMENT

Asheville, North Carolina

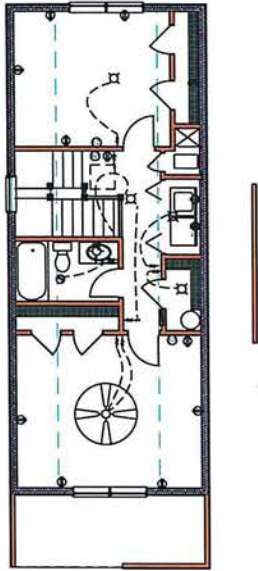
ThompsonPlans.com
628-794-2553

original print date
6/29/23

plan # 1202Am

All Federal, State and local codes shall be considered as a part of these documents, and shall take preference over anything shown or implied if differences arise.

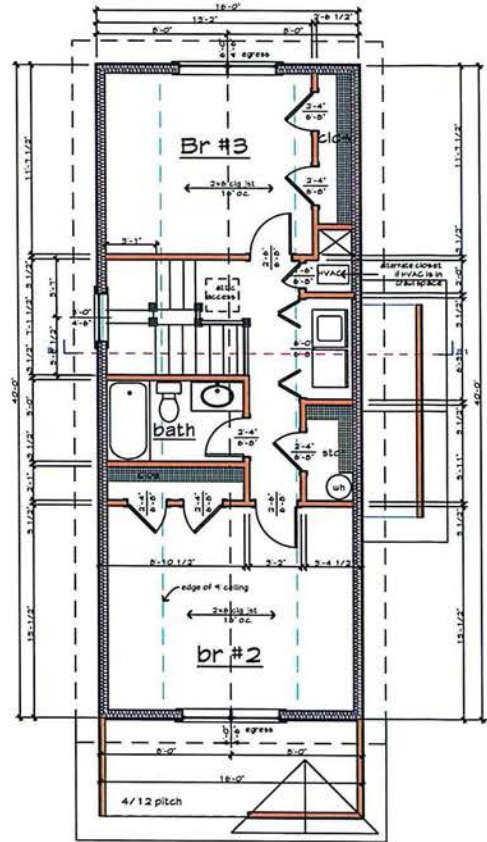
The plan is licensed to Josh Braden
© 2023 Rick Thompson



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

Door List				
Width	Height	Name	Type	Quantity
1'-6"	6'-6"	RDO2 Swing	Interior	1
2'-0"	6'-6"	RDO2 Swing	Access	1
3'-6"	6'-6"	RDO2 Swing	Interior	10
2'-6"	6'-6"	RDO2 Swing	Interior	9
2'-6"	6'-6"	RDO1 Door ST	Exterior	1
3'-0"	6'-6"	RDO1 Door ST	Exterior	1
3'-0"	6'-6"	RDO2 Swing	Access	1
6'-0"	6'-6"	RDO9 Bufld	Interior	1
				14

Window List			
W x H Size	Units	Window Type	Quantity
2'-0"x3'-2"	Single	RM1-4 Doublehung	5
2'-0"x3'-2"	Single	RM1-4 Doublehung	1
3'-0"x4'-6"	Single	RM1-4 Doublehung	1
3'-4"x6'-2"	Twin	RM1-4 Doublehung	1
6'-0"x3'-0"	Single	RM1-1 Stationary	2
6'-0"x4'-6"	Twin	RM1-4 Doublehung	2
			10



Floor 2 plan
scale 1/4" = 1'-0"

All Federal, State and local codes shall be considered as a part of these documents, and shall take preference over anything shown or implied if differences arise.

This plan is licensed to JOHN BRADEN
© 2023 Rick Thompson

plan # 1202Am

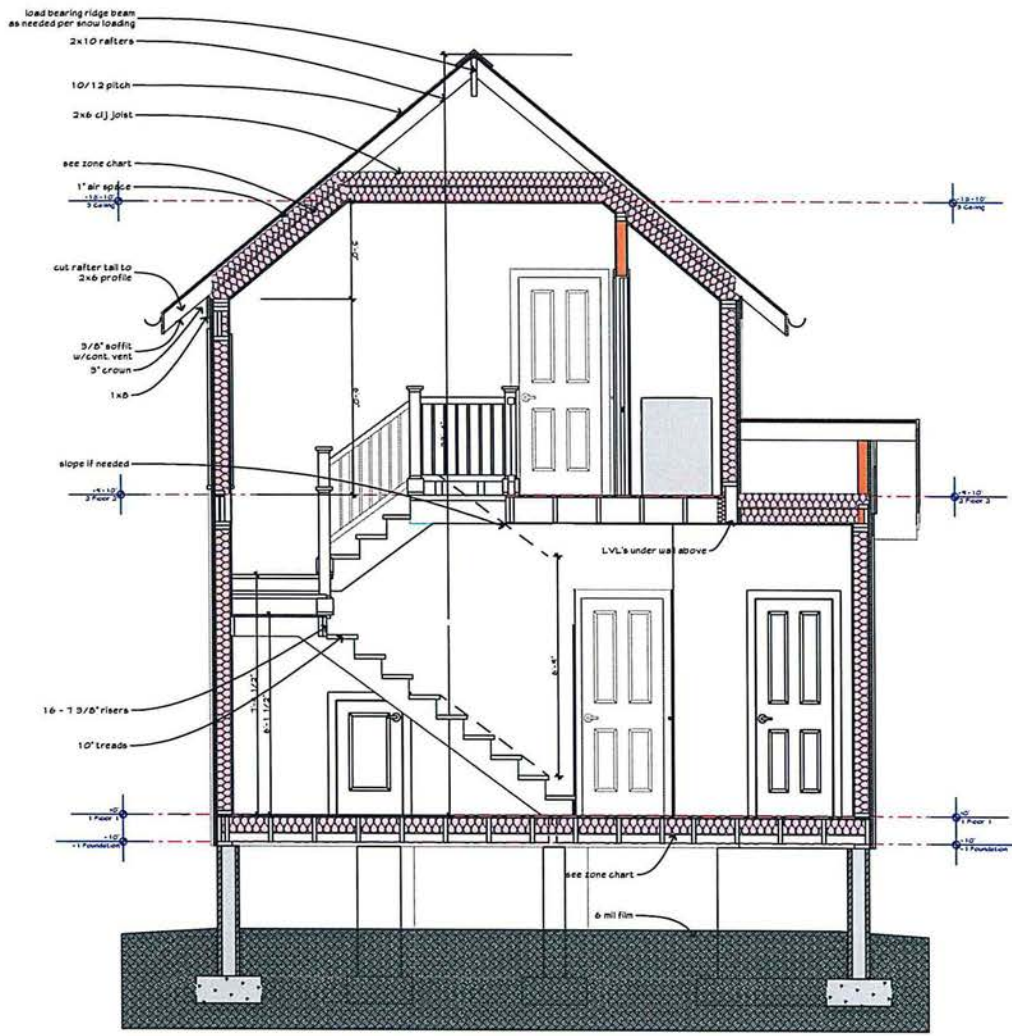
original print date
6/24/23

4
W-23-0638

standard contract document

Asheville, North Carolina

info@thompsonplans.com
ThompsonPlans.com
628-734-2553



Building Section B 1
Scale 1/2" = 1'-0"

Minimum Insulation Chart

Table N1102.1 - IRC 2018 & 2021 NRCG - (in parentheses)
residential forced air systems by component^{1,2}

Climate Zone	Attic/Floor	Basement/Partial Basement	Garage	Floors	Stairways	Slab-on-grade	Foundation
1	NR 25 50 15 15 0 0 0						
2	40 25 35 15 0 0 0						
3	35 25 30 15 0 0 0						
4	35 25 30 15 0 0 0						
5	35 25 30 15 0 0 0						
6	35 25 30 15 0 0 0						
7	35 25 30 15 0 0 0						
8	35 25 30 15 0 0 0						

Check appropriate climate zone in climate zone chart.

1. R-value or U-factor of a ceiling or floor is based on insulation that is installed in a cavity, unless otherwise noted. The R-value of an assembly of insulation is based on the R-value of the insulation plus the R-value of the air space on each side.
2. The R-value of a floor is based on the R-value of the insulation plus the R-value of the floor joists.
3. The R-value of a basement or partial basement is based on the R-value of the insulation plus the R-value of the foundation wall.
4. The R-value of a garage is based on the R-value of the insulation plus the R-value of the garage walls.
5. The R-value of a floor is based on the R-value of the insulation plus the R-value of the floor joists.
6. The R-value of a slab-on-grade is based on the R-value of the insulation plus the R-value of the slab.
7. The R-value of a foundation is based on the R-value of the insulation plus the R-value of the foundation wall.
8. The R-value of a stairway is based on the R-value of the insulation plus the R-value of the stairway walls.
9. The R-value of a slab-on-grade is based on the R-value of the insulation plus the R-value of the slab.
10. The R-value of a foundation is based on the R-value of the insulation plus the R-value of the foundation wall.