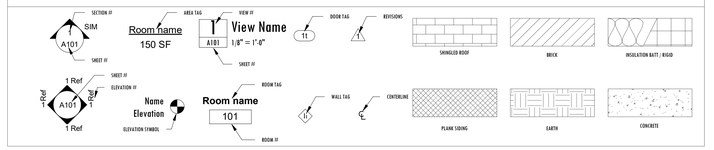






DRAWING SYMBOLS AND MATERIALS LEGEND



DRAWING SYMBOLS AND MATERIALS LEGEND
1/4" = 1'-0"

2018 IRC INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE/ DEPTH	CRAWLSPACE WALL R-VALUE
4	.43	.55	.40	.49	20 OR 13+ 5	8/13	19	10/13	10, 2 FT	10/13
				CAVITY INSULATION	CONTINUOUS INSULATION				2" RIGID INSULATION	2" RIGID INSULATION / BATT INSULATION

2018 IRC INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT
12" = 1'-0"

DRAWING INDEX

NO.	Sheet Name	Sheet Issue Date
A1-0	Cover	11-21-21
A1-1	Site Map	11-21-21
A1-2	Floor Plans	11-21-21
A1-3	Foundation Plan	11-21-21
A1-4	Garage Floor Plan	12/03/21
A1-5	First Floor Plan	12/03/21
A1-6	Second Floor Plan	12/03/21
A2-1	Elevations	11-21-21
A3-1	Sections	11-21-21
A4-1	Renders	11-21-21

GENERAL NOTES:
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS.

2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER FOR JUSTIFICATION AND / OR CORRECTION BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ERRORS WHICH ARE NOT REPORTED.

3. ALL DIMENSIONS SHALL BE READ OR CALCULATED AND NEVER SCALED. SOME CASEWORK AND SOME MISCELLANEOUS ITEMS ARE NOT DIMENSIONED AND ARE LEFT TO THE DISCRETION OF THE OWNER. CONTRACTOR TO COORDINATE THESE ITEMS WITH OWNER PRIOR TO COMMENCEMENT OR FABRICATION OF WORK.

4. ALL FOOTINGS TO BE BELOW FROST LINE (SEE LOCAL CODE) AND MUST REST ON UNDISTURBED SOIL CAPABLE OF HANDLING THE BUILDING. IF THERE IS ANY REASON FOR CONCERN ABOUT THE SOIL CONDITIONS, A GEOGRAPHICAL ENGINEER SHOULD BE CONSULTED. CONSULT LOCAL ENGINEER FOR FOOTING SIZES AND REINFORCEMENT.

5. CONTRACTOR SHALL INSURE COMPATIBILITY OF THE BUILDING WITH ALL SITE CONDITIONS.

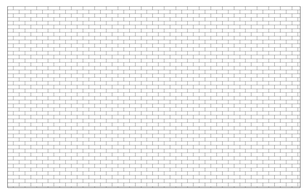
6. IF BACKFILL EXCEEDS 4'-0" AGAINST ANY FOUNDATION WALL, REINFORCE AS PER CODE.

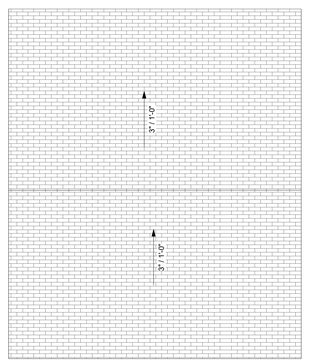
7. ALL FOUNDATION AND STRUCTURAL MEMBERS SHOULD BE VERIFIED AND STAMPED BY A LOCAL ENGINEER.

8. ALL WOOD, CONCRETE, AND STEEL STRUCTURAL MEMBERS SHALL BE OF A GOOD QUALITY AND SHALL MEET ALL APPLICABLE CODES.

9. ALL COLUMNS OR SOLID FRAMING SHOULD BE DESIGNED TO CARRY LOADS AND SHOULD EXTEND DOWN THROUGH THE LEVELS BELOW AND TERMINATE AT THE BASEMENT FLOOR OR AT OTHER BEARING POINTS DESIGNED TO CARRY THE LOAD.

10. CONTRACTOR TO CONSULT WITH STRUCTURAL ENGINEER WITH REGARDS TO THE REMOVAL OF ANY LOAD BEARING WALLS AND DETERMINE TEMPORARY SHORING METHODS AND PERMANENT REINFORCEMENT METHODS PRIOR TO THE REMOVAL OF ANY LOAD BEARING WALLS.





1 Roof Plan
1/8" = 1'-0"

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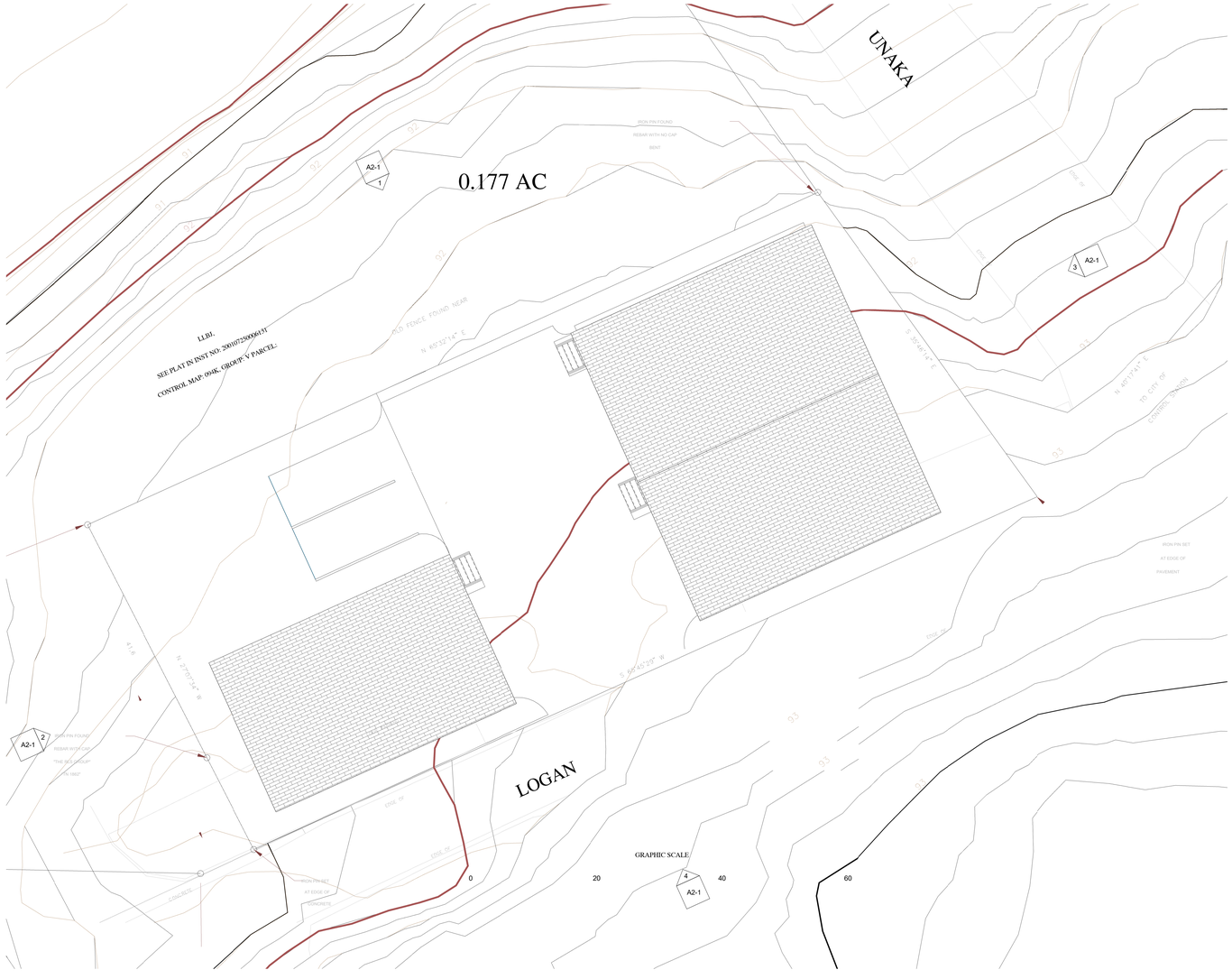
Rev	Description	by	Date

Cover

A1-0

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Proj. No. 2101 Date 01-16-22



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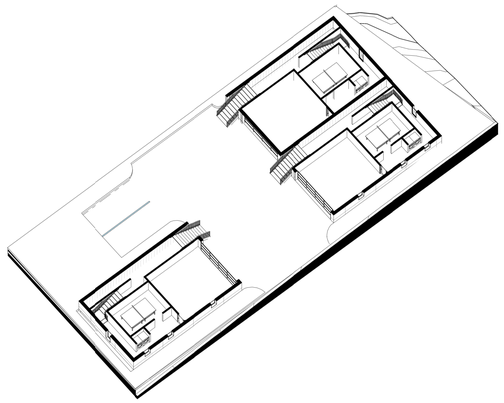
Rev	Description	by	Date

Site Map

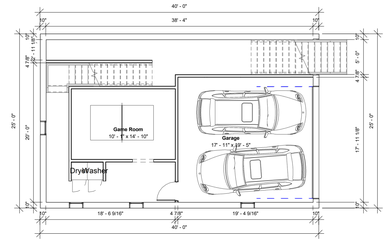
A1-1

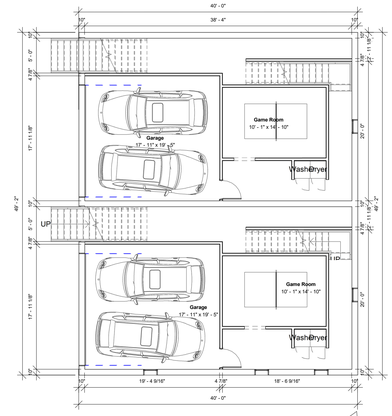
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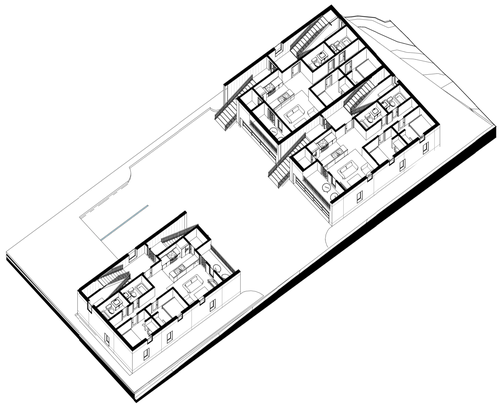


4 Garage Floor

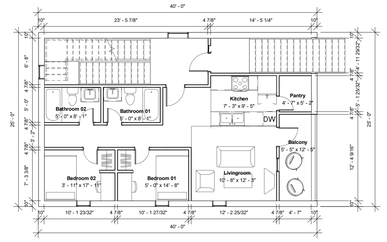


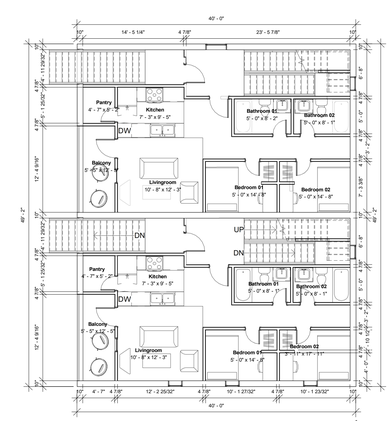


2 Garage Floor Plan
1/8" = 1'-0"
0 4' 8' 16'
N

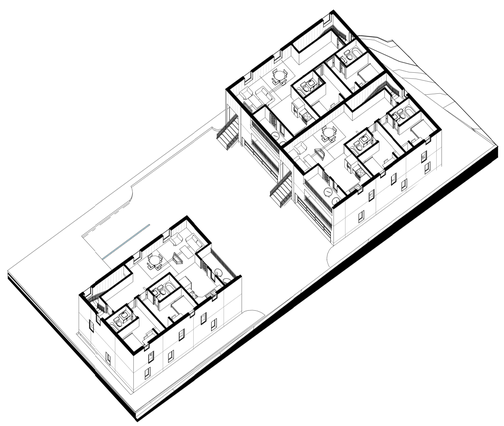


5 2nd floor

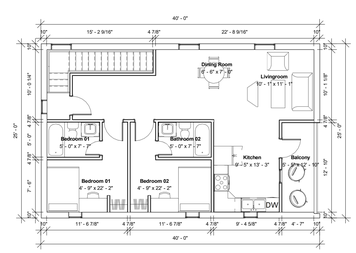


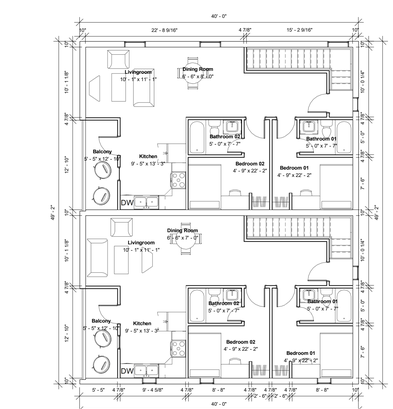


1 First Floor Plan
1/8" = 1'-0"
0 4' 8' 16'
N



6 3rd floor





3 Second Floor Plan
1/8" = 1'-0"
0 4' 8' 16'
N

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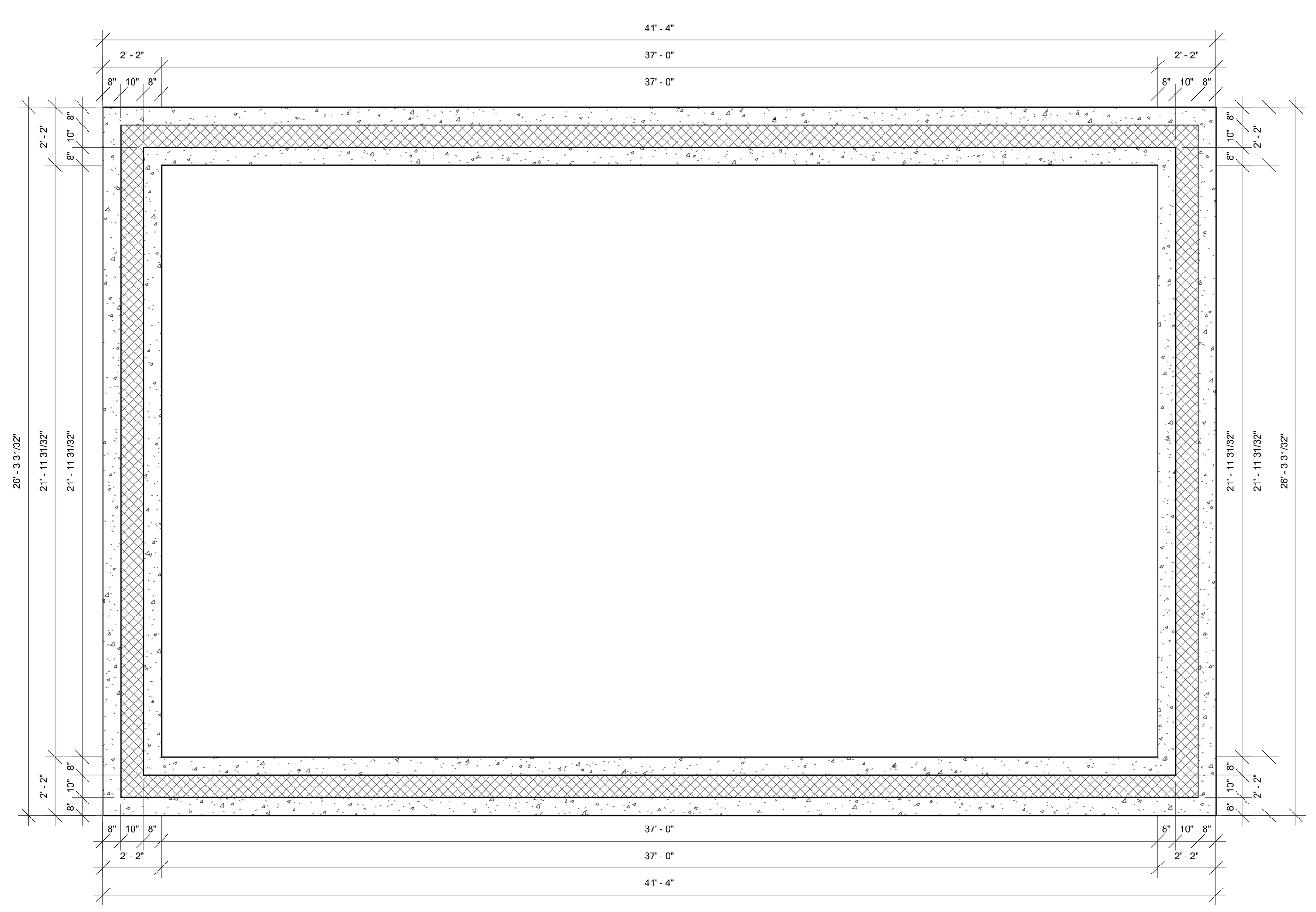
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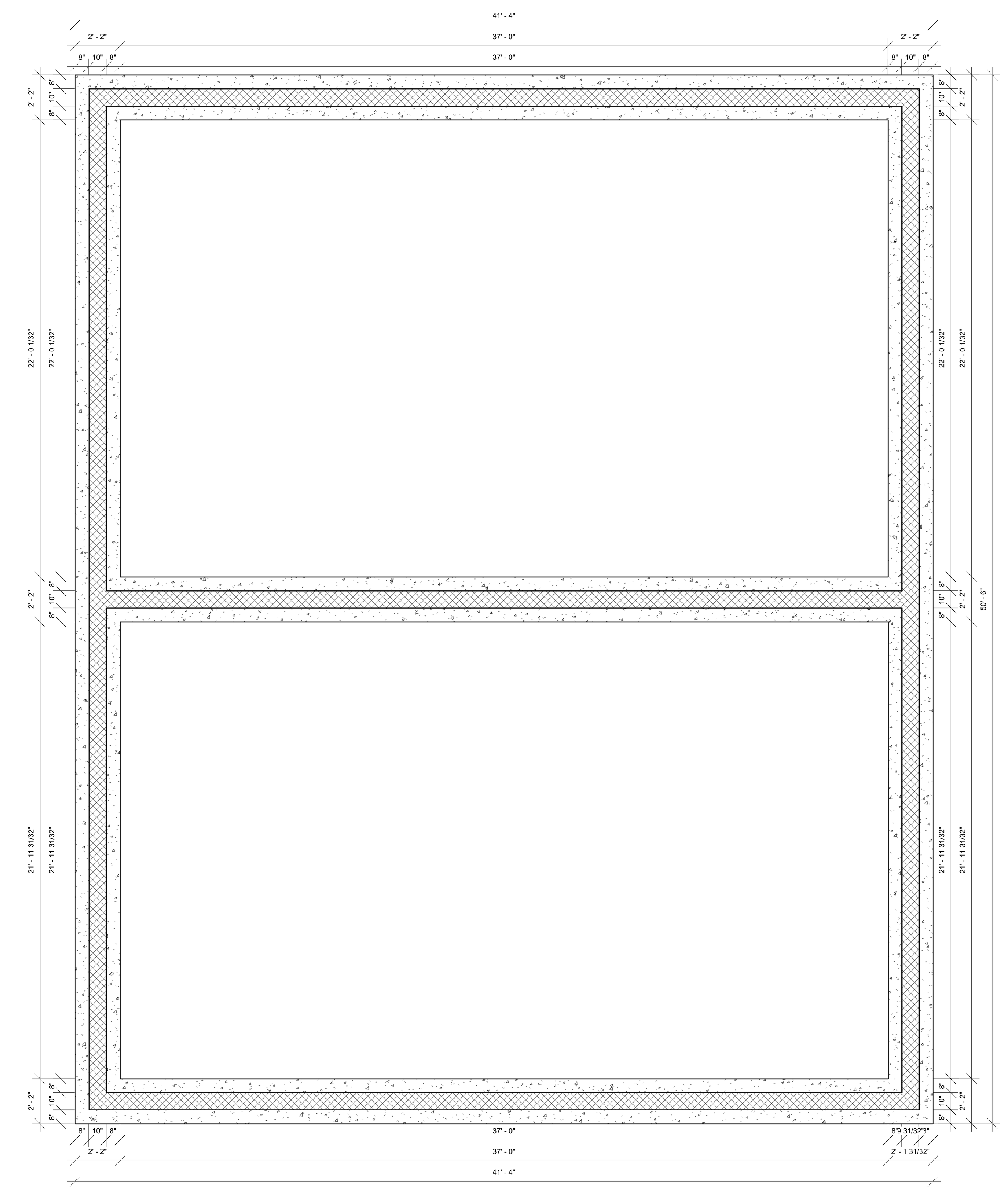
Floor Plans

A1-2

Unaka Drive

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

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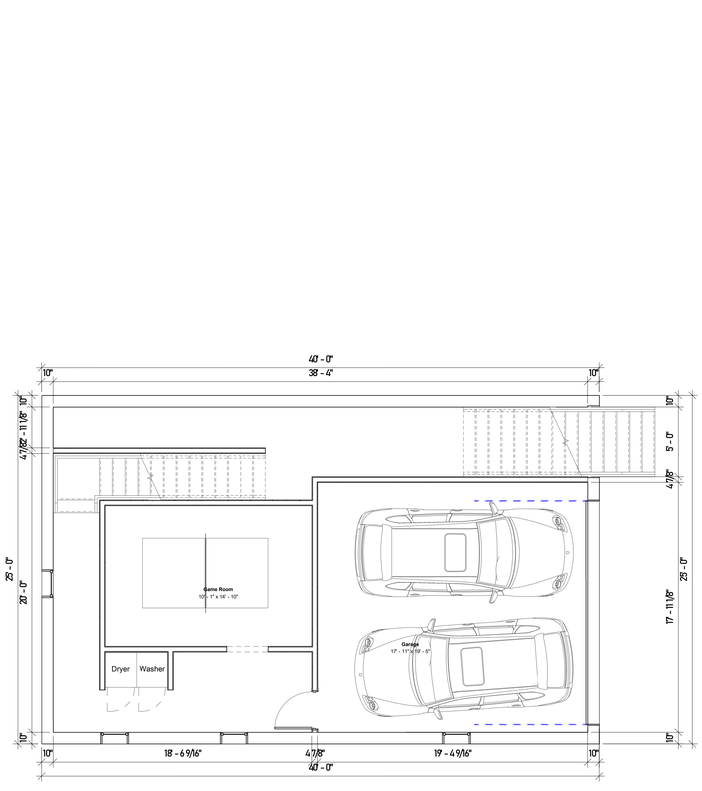
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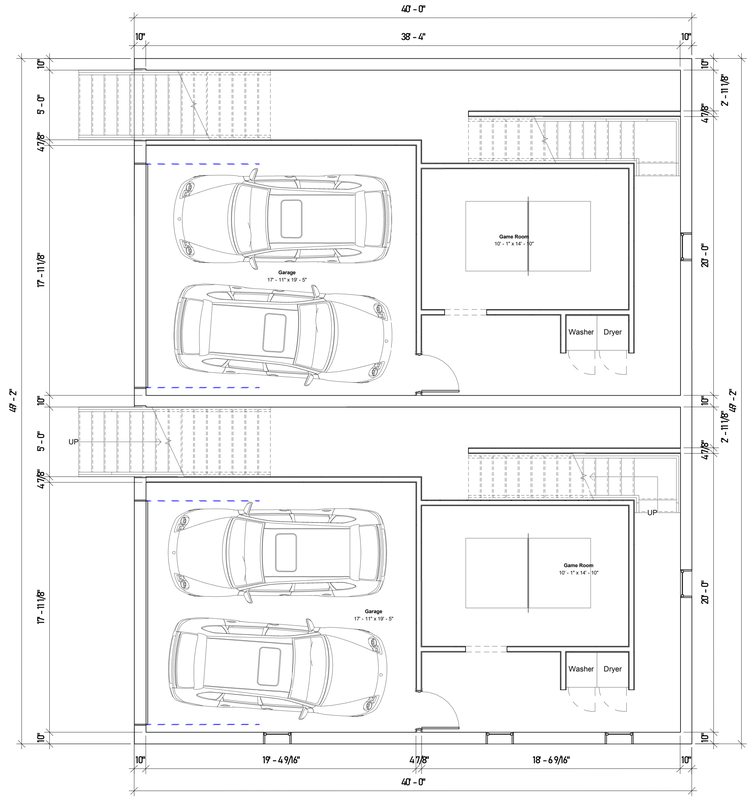
Foundation Plan

A1-3

Unaka Drive

Proj. No. 2101 Date 01-16-22





1 Garage Floor Plan.
1/4" = 1'-0"

N

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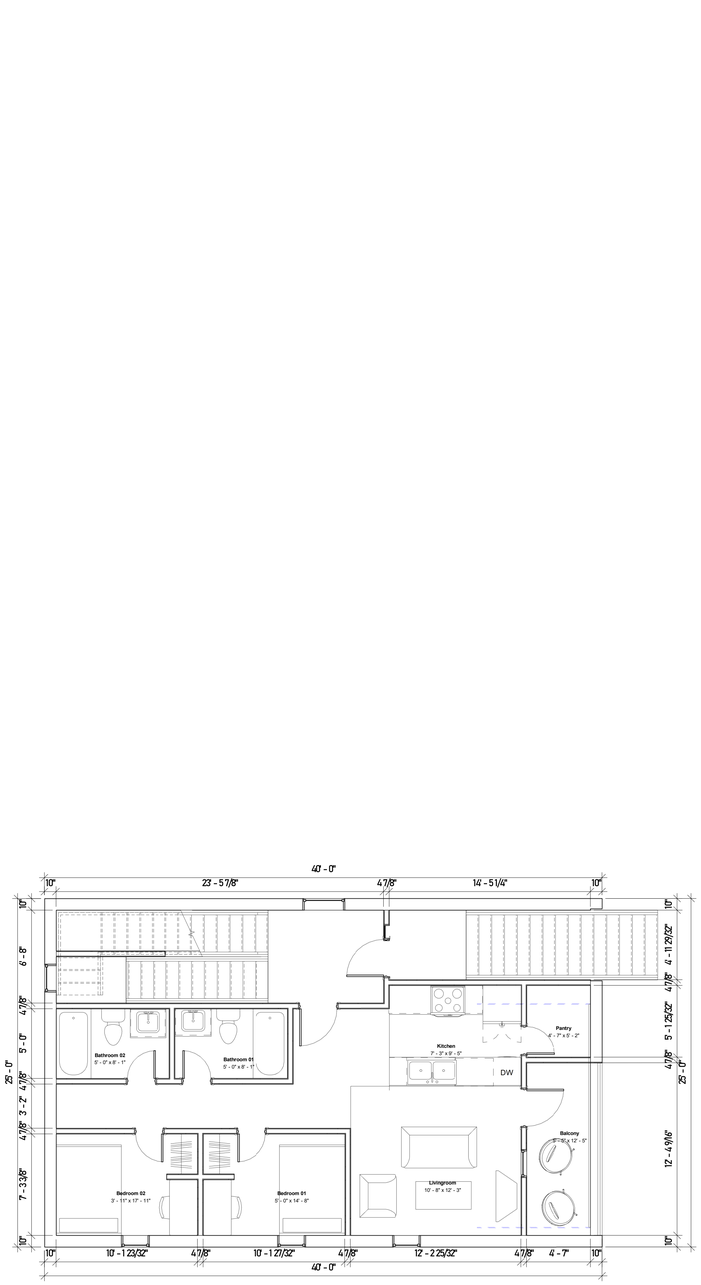
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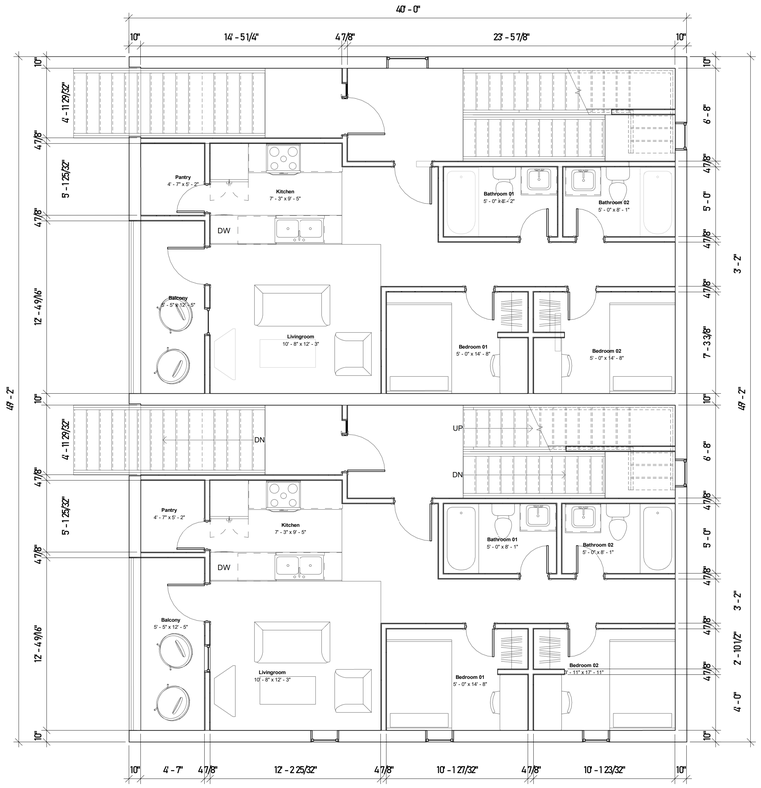
Garage Floor Plan

A1-4

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Proj. No. 2101 Date 01-16-22





1 First Floor Plan.
1/4" = 1'-0"

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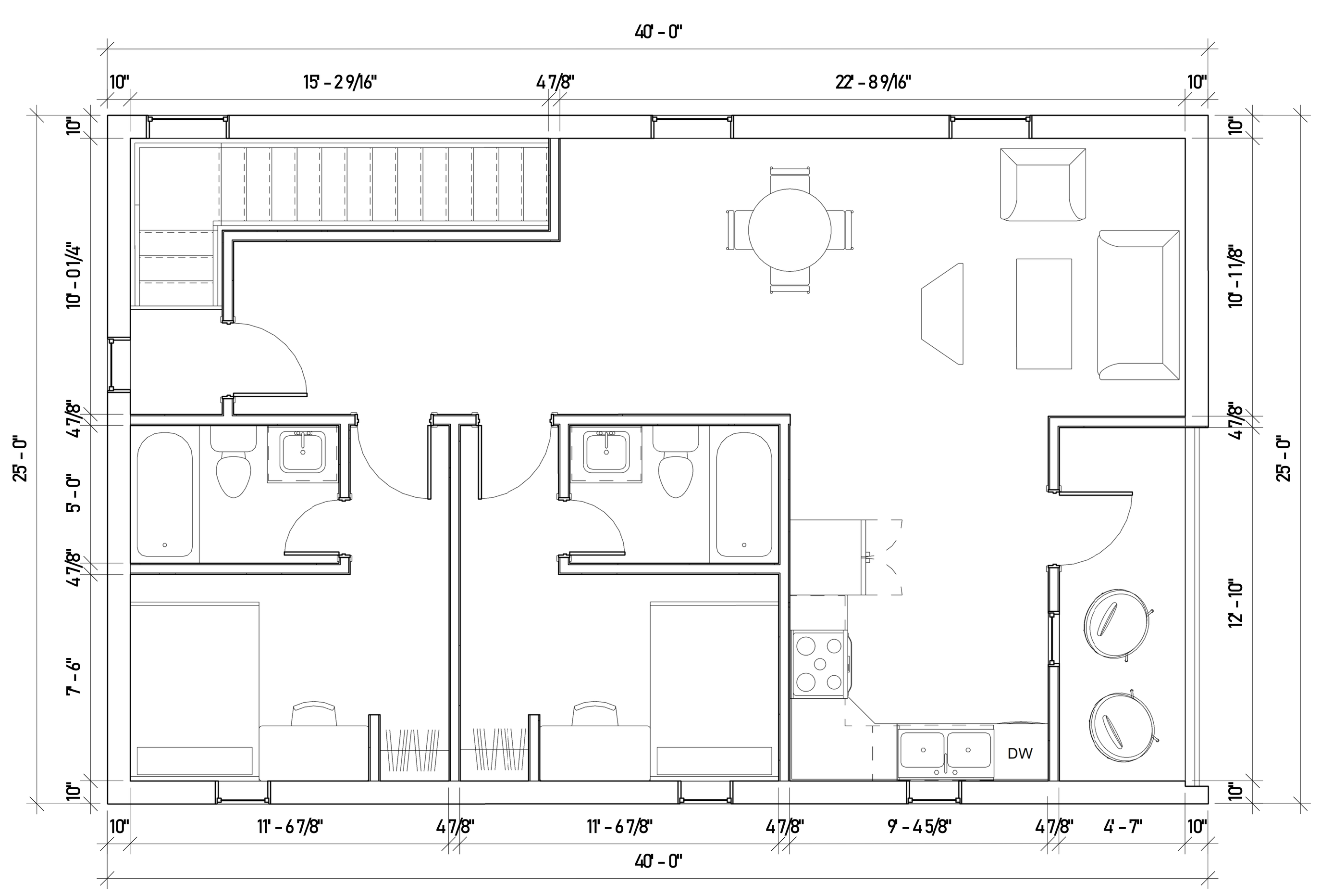
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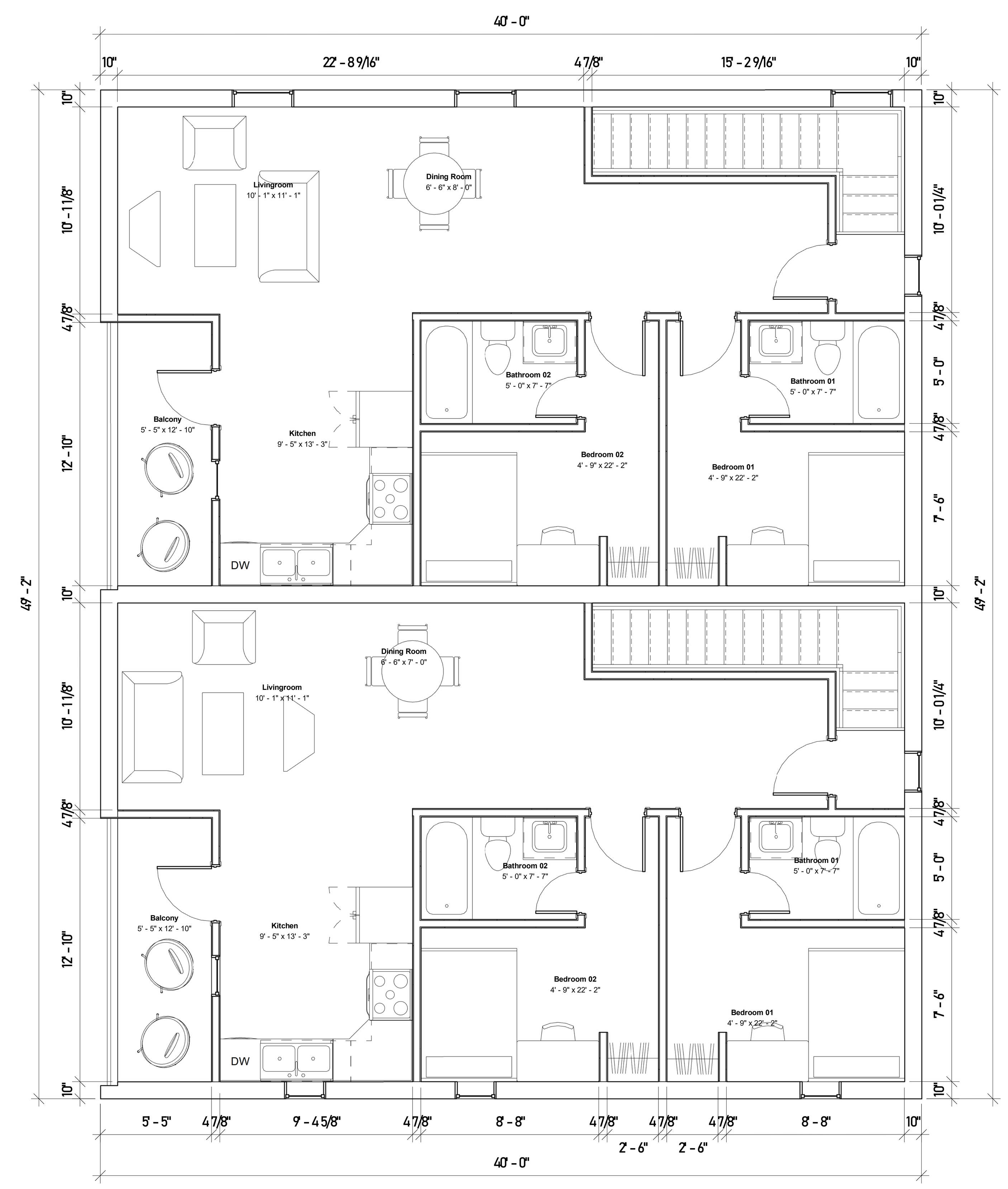
First Floor Plan

A1-5

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1 Second Floor Plan.
1/4" = 1'-0"

N

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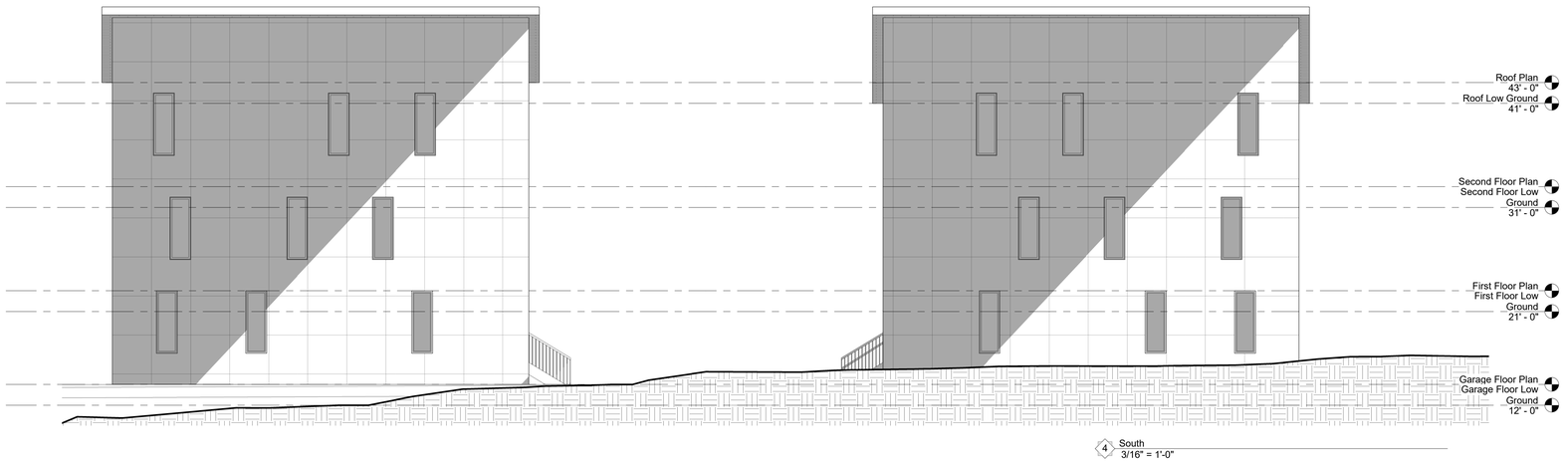
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Second Floor Plan

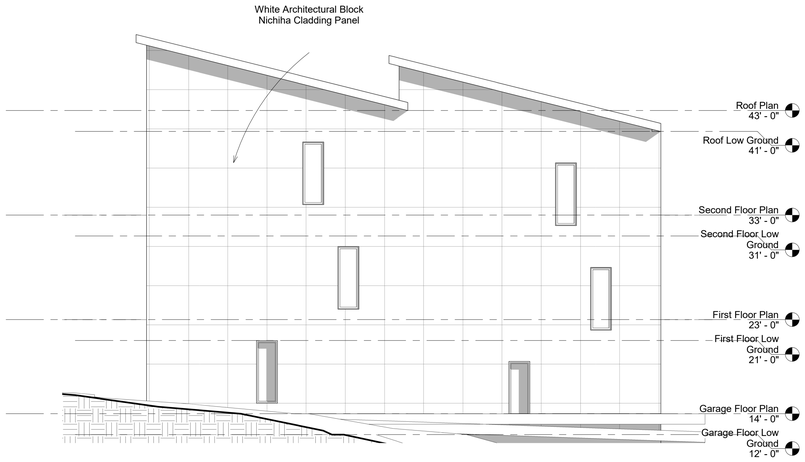
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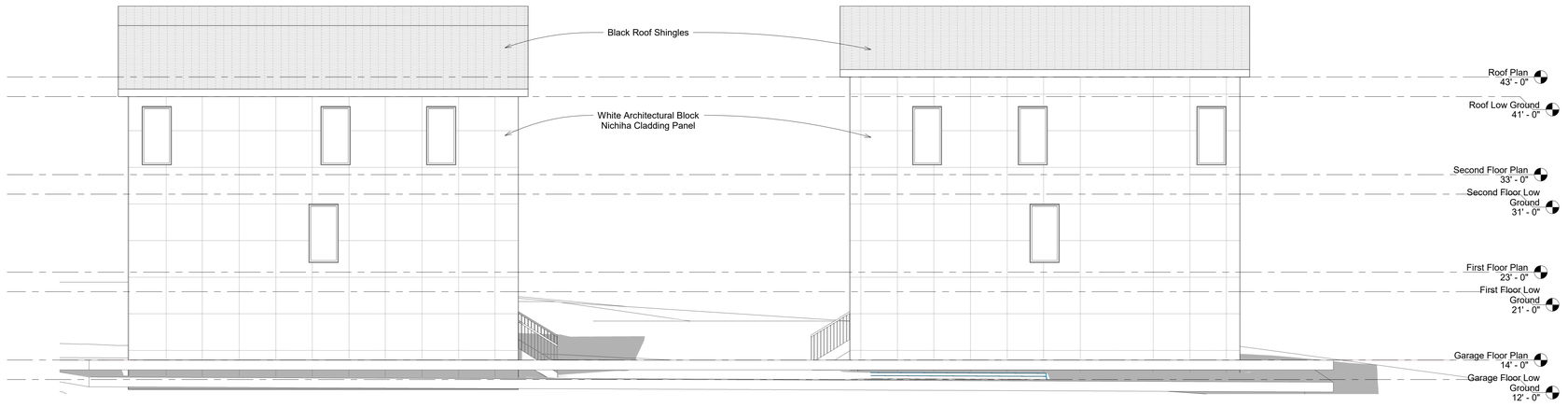
4 South
3/16" = 1'-0"



3 East
3/16" = 1'-0"



2 West
3/16" = 1'-0"



1 North
3/16" = 1'-0"

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Elevations

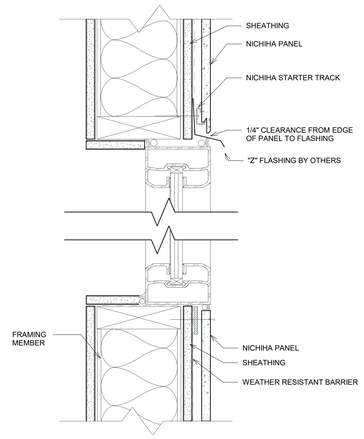
A2-1

Unaka Drive

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NOTES:

1. THIS CONCEPTUAL DETAIL IS A GUIDE FOR INSTALLATION OF NICHIHA PRODUCTS. ARCHITECTS/ENGINEERS/CONTRACTORS ARE RESPONSIBLE FOR SUCCESSFUL APPLICATION WHICH DEPENDS UPON SUBSTRATE DESIGN AND CONSTRUCTION BUILT IN ACCORDANCE WITH BEST PRACTICES AND LOCAL BUILDING CODES.
2. NICHIHA PANEL REPRESENTED HERE IS 5/8" NICHIHA PRODUCT, ADJUST ACCORDINGLY FOR OTHER NICHIHA PRODUCT THICKNESSES.
3. SHEATHING REPRESENTED HERE IS 5/8" EXTERIOR GYPSUM WALLBOARD, IF USING OSB OR PLYWOOD ADJUST ACCORDINGLY
4. WOOD OR METAL FRAMING (METAL FRAMING MEMBERS MUST BE A MINIMUM OF 18 GA.)



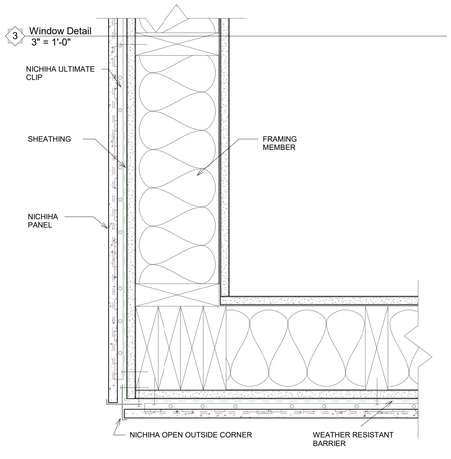
STUD WALL STOREFRONT WINDOW HEADER & SILL DETAIL WITH FLASHING & STARTER

SCALE: 3" = 1'-0"

NOTES:

1. THIS CONCEPTUAL DETAIL IS A GUIDE FOR INSTALLATION OF NICHIHA PRODUCTS. ARCHITECTS/ENGINEERS/CONTRACTORS ARE RESPONSIBLE FOR SUCCESSFUL APPLICATION WHICH DEPENDS UPON SUBSTRATE DESIGN AND CONSTRUCTION BUILT IN ACCORDANCE WITH BEST PRACTICES AND LOCAL BUILDING CODES.
2. NICHIHA PANEL REPRESENTED HERE IS 5/8" NICHIHA PRODUCT, ADJUST ACCORDINGLY FOR OTHER NICHIHA PRODUCT THICKNESSES.
3. SHEATHING REPRESENTED HERE IS 5/8" EXTERIOR GYPSUM WALLBOARD, IF USING OSB OR PLYWOOD ADJUST ACCORDINGLY.
4. WOOD OR METAL FRAMING (METAL FRAMING MEMBERS MUST BE A MINIMUM OF 18 GA.)
5. EXPANSION JOINT REQUIRED WITHIN 2-12' OF OUTSIDE CORNERS ON WALLS LONGER THAN 30'.
6. FOLLOW WEATHER RESISTANT BARRIER BEST PRACTICES INSTRUCTIONS.

3 Window Detail
3" = 1'-0"

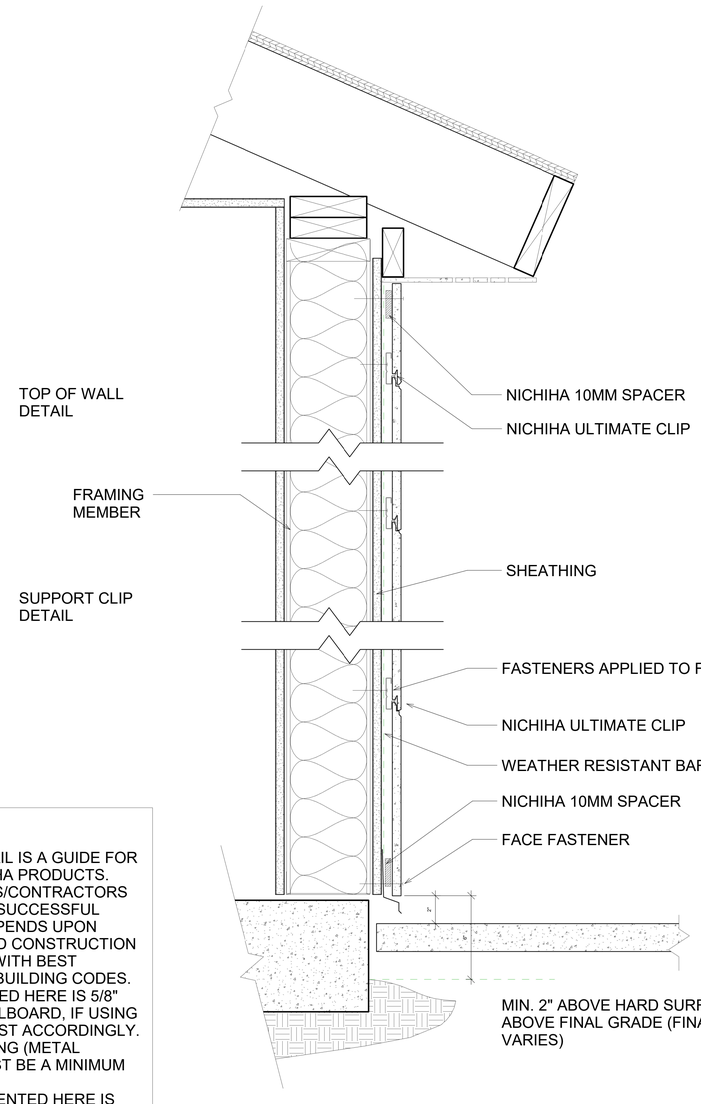


NICHIHA - HORIZONTAL AWP - OUTSIDE CORNER DETAIL- NICHIHA OPEN OUTSIDE TRIM

SCALE: 3" = 1'-0"

2 Corner Detail
3" = 1'-0"

TOP OF WALL DETAIL



STUD WALL RAKED WALL DETAIL WITH SOFFIT

SCALE: 1 1/2" = 1'-0"

SUPPORT CLIP DETAIL

NOTES:

1. THIS CONCEPTUAL DETAIL IS A GUIDE FOR INSTALLATION OF NICHIHA PRODUCTS. ARCHITECTS/ENGINEERS/CONTRACTORS ARE RESPONSIBLE FOR SUCCESSFUL APPLICATION WHICH DEPENDS UPON SUBSTRATE DESIGN AND CONSTRUCTION BUILT IN ACCORDANCE WITH BEST PRACTICES AND LOCAL BUILDING CODES.
2. SHEATHING REPRESENTED HERE IS 5/8" EXTERIOR GYPSUM WALLBOARD, IF USING OSB OR PLYWOOD ADJUST ACCORDINGLY.
3. WOOD OR METAL FRAMING (METAL FRAMING MEMBERS MUST BE A MINIMUM OF 18 GA.)
4. NICHIHA PANEL REPRESENTED HERE IS 5/8" NICHIHA PRODUCT, ADJUST ACCORDINGLY FOR OTHER NICHIHA PRODUCT THICKNESSES.

1 Section Detail
3" = 1'-0"

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CHESTER A. RHODES LICENSED ENGINEER AGRICULTURAL No. 023116 STATE OF TENNESSEE

1/30/2022

603 Unaka St, Knoxville, TN 37921

Revision Schedule

Rev	Description	by	Date

Sections

A3-1

Unaka Drive

Proj. No. 2101 Date 01-16-22













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SITE DEVELOPMENT WATER/WASTEWATER

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Sam Riyad

Unaka Drive

CHESTER A. RHODES
REGISTERED ENGINEER
023114
STATE OF TENNESSEE

1/30/2022

603 Unaka St,
Knoxville, TN 37921

Revision Schedule

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Renders

A4-1

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