



REVISE DATES:

CONTRACTOR TO VERIFY ALL
DIMENSIONS, CONDITIONS, ETC.,
PERTAINING TO THE WORK AT THE
SITE BEFORE PROCEEDING WITH
THE WORK

AS INSTRUMENT OF SERVICE, ALL
DESIGN, IDEAS AND INFORMATION
SHOWN ON THESE DRAWINGS ARE
AND SHALL REMAIN THE
PROPERTY OF **SEC DEVELOPMENT**
NO PART THEREOF SHALL BE
COPIED, DISCLOSED TO OTHERS,
OR USED IN CONNECTION
WITH ANY WORK OR PROJECT
OTHER THAN THE SPECIFIC
PROJECT FOR WHICH THEY HAVE
BEEN PREPARED AND DEVELOPED
WITHOUT THE WRITTEN CONSENT
OF **SEC DEVELOPMENT**. VISUAL
CONTACT WITH THESE DRAWINGS
SHALL CONSTITUTE CONCLUSIVE
EVIDENCE OF ACCEPTANCE OF
THESE RESTRICTIONS.

OWNER:
AMERICAN PRIME CONSTRUCTION LLC
ADDRESS:
1023 W 36TH ST
SAVANNAH, GA, 31315

1021 W 36TH ST
RESIDENCE

SECDEVELOPMENT.NET

(818) 935-1171

S | E | C
development

SECDEVELOPMENT.NET

(818) 935-1171

PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	1/8" = 1'

CITY LANDSCAPE

1025 W 36TH ST
ADJACENT BUILDING

ADJACENT PROPERTY

PROPERTY LINE :100'

7'-0"

29'-6"

18'-0"

PROPERTY LINE :100'

ADJACENT PROPERTY

5'-0"

(N) 125 SF
COVERED PORCH

1023 W 36TH ST

(N) 1,000 SF
2-STORY HOUSE

(N) GAS METER

ELECTRIC PANEL

(N) 15 SF
COVERED PORCH

3'-0"

12'-11"

5'-2"

3'-0"

(N) W.H (N) A.C

(E) LANDSCAPE

2% MIN SLOPE

(N) CONCRETE

(N) REFUSE
STORAGE
AREA

2% MIN SLOPE

PARKING #1

PARKING #2

51'-2"

(N) APRON

PROPERTY LINE 24'

1 SITE PLAN
1/8" = 1'-0"

[illegible]

LEGAL DESCRIPTION	
ADDRESS:	1021 - 1023 W 36TH ST SAVANNAH, GA, 31315
TRACT:	H133 HOPKINS-FLORENC
LOT:	LETTER E SUB OF LOTS 33-36
APN:	20067 09013

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:
VARDAN KASEMYAN
VARDAN@SECDEVELOPMENT.NET
(818) 935-1171

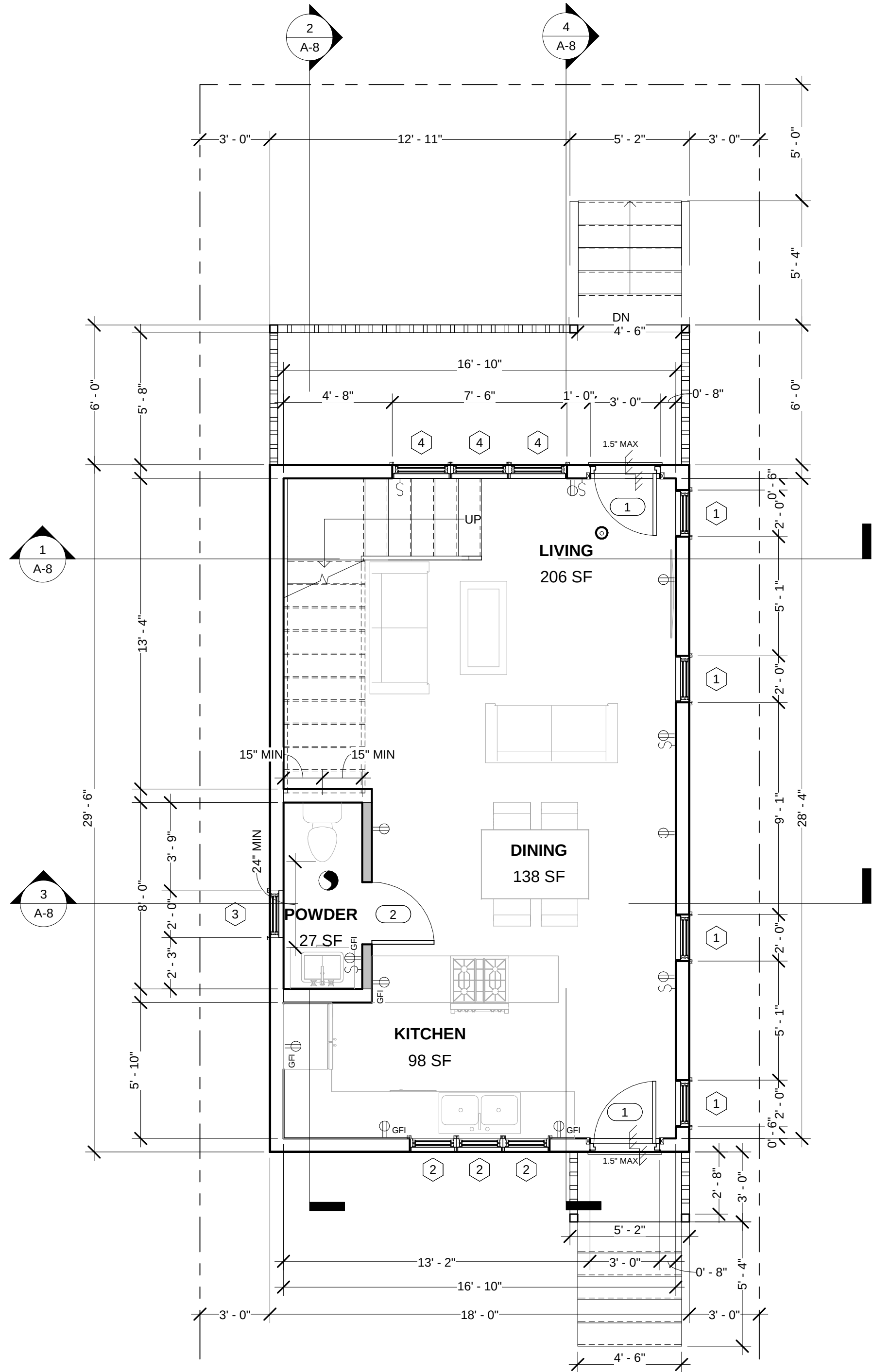
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SITE PLAN



A-2



1 FIRST FLOOR PLAN
1/4" = 1'-0"

CITY APPROVAL STAMP

PROPOSED FIRST FLOOR DOOR SCHEDULE									
Mark	WIDTH	HEIGHT	OPERATION	FRAMING	MATERIAL	QUANTITY	TEMPERED	U-FACTOR	SHGC
1	3' - 0"	8' - 0"	SWING	WOOD	WOOD / GLASS	2	Yes	0.30	0.25
2	2' - 8"	8' - 0"	SWING	WOOD	WOOD	1	No	N/A	N/A

PROPOSED FIRST FLOOR WINDOW SCHEDULE									
MARK	WIDTH	HEIGHT	OPERATION	TEMPERED	SILL HEIGHT	QUANTITY	U-FACTOR	SHGC	
1	2' - 0"	5' - 0"	HUNG	No	3' - 0"	4	0.30	0.25	
2	2' - 0"	4' - 6"	HUNG	No	3' - 6"	3	0.30	0.25	
3	2' - 0"	3' - 0"	HUNG	Yes	5' - 0"	1	0.30	0.25	
4	2' - 6"	5' - 0"	HUNG	No	3' - 0"	3	0.30	0.25	

LEGEND	
NEW WALL (2X4)	
NEW WALL (2X6)	
ENERGY STAR EXHAUST 50 CFM DUCTED TO OUTSIDE AND CONTROLLED BY HUMIDISTAT	
SMOKE DETECTOR/ CARBON MONOXIDE	

ELECTRICAL LEGEND	
	SINGLE SWITCH
	DOUBLE SWITCH
	DIMMER SWITCH
	VACANCY SENSOR SWITCH
	DOUBLE OUTLET
	GFI OUTLET
	RANGE OUTLET
	240V OUTLET

NOTE:

1. SMOKE ALARM SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72.

2. CARBON MONOXIDE ALARM SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP.

3. FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF LESS THAN 50% TO A MAXIMUM OF 80% UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM.

4. ALL SHOWER ENCLOSURES SHOULD BE TEMPERED GLAZING.

5.THE NFRC TEMPORARY LABEL DISPLAYED ON WINDOWS AND SKYLIGHTS (INCLUDE TUBULAR) MUST REMAIN ON THE UNIT UNTIL FINAL INSPECTION HAS BEEN COMPLETED.

6. ALL RECEPTACLES IN BATHROOMS, GARAGES, ACCESSORY BUILDINGS, OUTDOORS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHENS, (WHERE RECEPTACLES SERVE COUNTER TOP SURFACES), LAUNDRY, UTILITY, WET BAR SINKS (WITHIN 6' OF THE EDGE OF THE SINK), SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI)

7. ALL BRANCH CIRCUITS SUPPLYING RECEPTACLES IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER (AFCI)

8.ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHODS. (4.406.1)

10. SIMULATED DIVIDED LIGHT WINDOWS SHALL BE PERMITTED PROVIDED THAT THE MUNTIN IS 7/8 INCHES OR LESS, THE MUNTIN PROFILE SHALL SIMULATE TRADITIONAL PUTTY GLAZING, THE LOWER SASH SHALL BE WIDER THAN THE MEETING AND TOP RAILS, AND THERE SHALL BE A SPACER BAR IN BETWEEN DOUBLE PANES OF GLASS. BETWEEN-THE-GLASS, SNAP-IN OR APPLIED MUNTINS SHALL NOT BE PERMITTED.

NATURAL LIGHT CALCULATION:	VENT CALCULATIONS:
(N) KITCHEN/DINING/LIVING: 441 SF 441 SF X 10% = 44.1 SF (N) WINDOW 1 = 10 SF X 4 = 40 SF (N) WINDOW 2 = 9 SF X 3 = 27 SF (N) WINDOW 4 = 12.5 SF X 3 = 37.5 SF REQUIRED: 44.1 SF PROVIDED: 69.28 SF	(N) KITCHEN/DINING/LIVING: 441 SF 441 SF X 5% = 22.05 SF (N) WINDOW 1 = 5 SF X = 20 SF (N) WINDOW 2 = 4.5 SF X 3 = 13.5 SF (N) WINDOW 4 = 6.25 SF X 3 = 18.75 SF REQUIRED: 22.05 SF PROVIDED:52.25 SF

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FLOOR PLAN

SECDEVELOPMENT.NET

(818) 484-7111

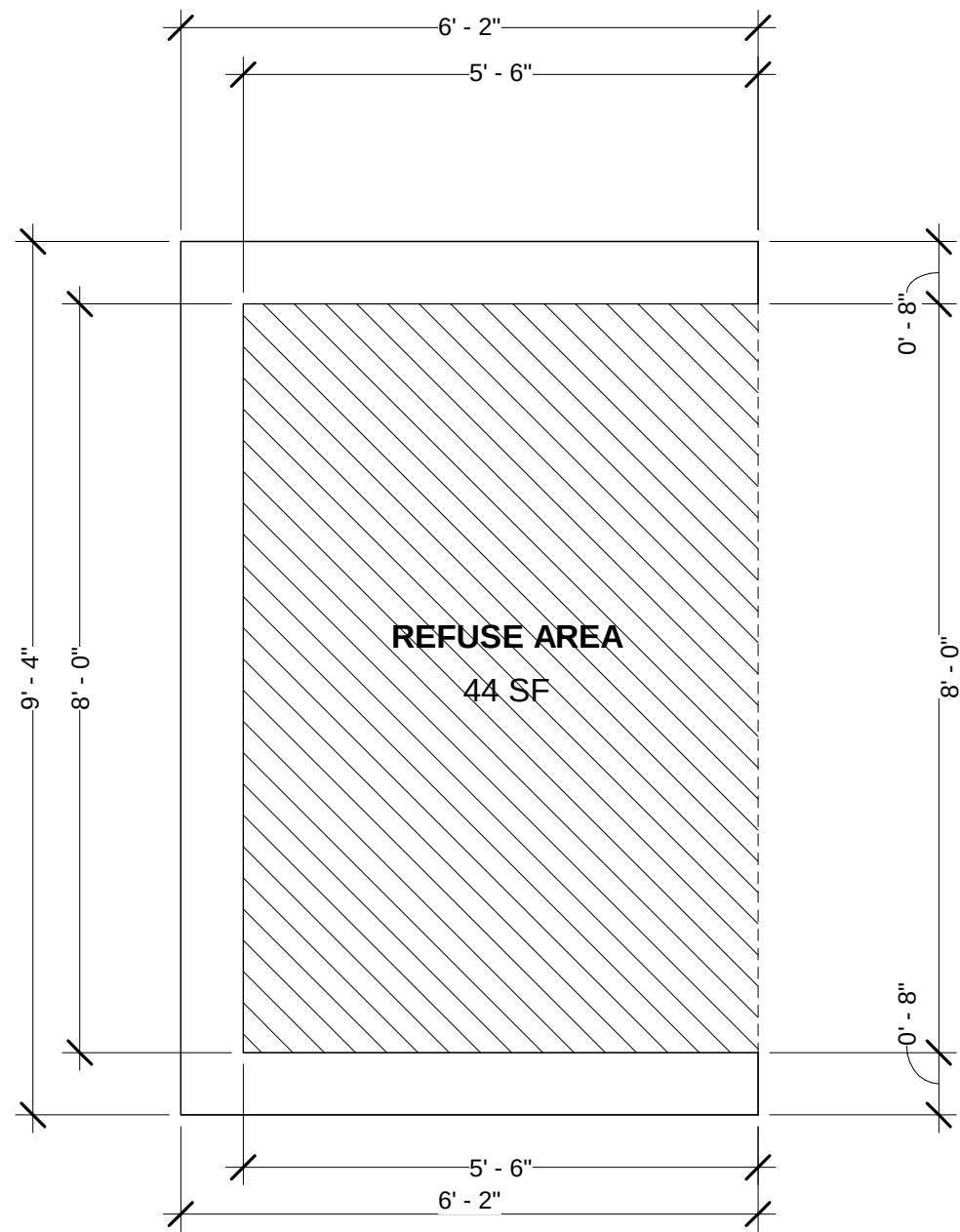


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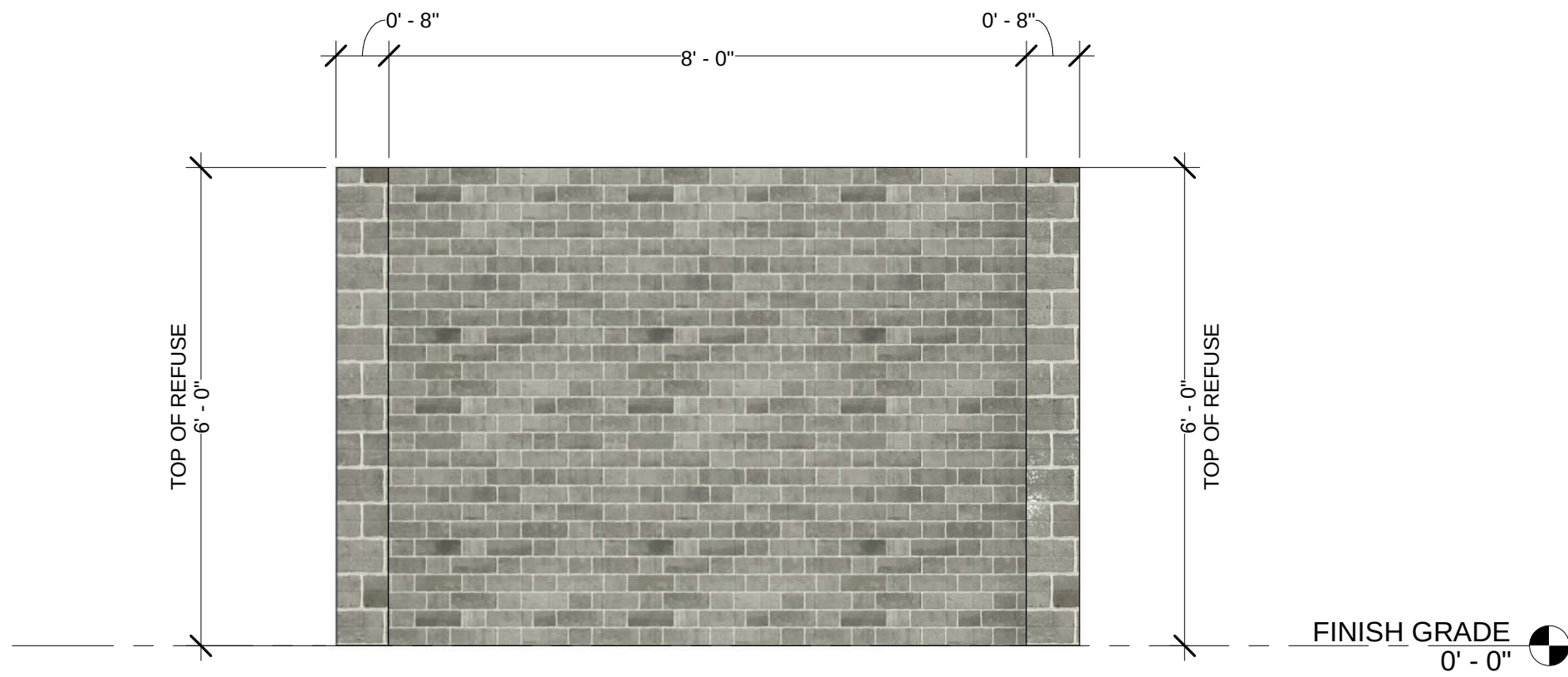
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PROJECT INFO	
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CHECKED BY:	A.G.
SCALE:	1/4" = 1'

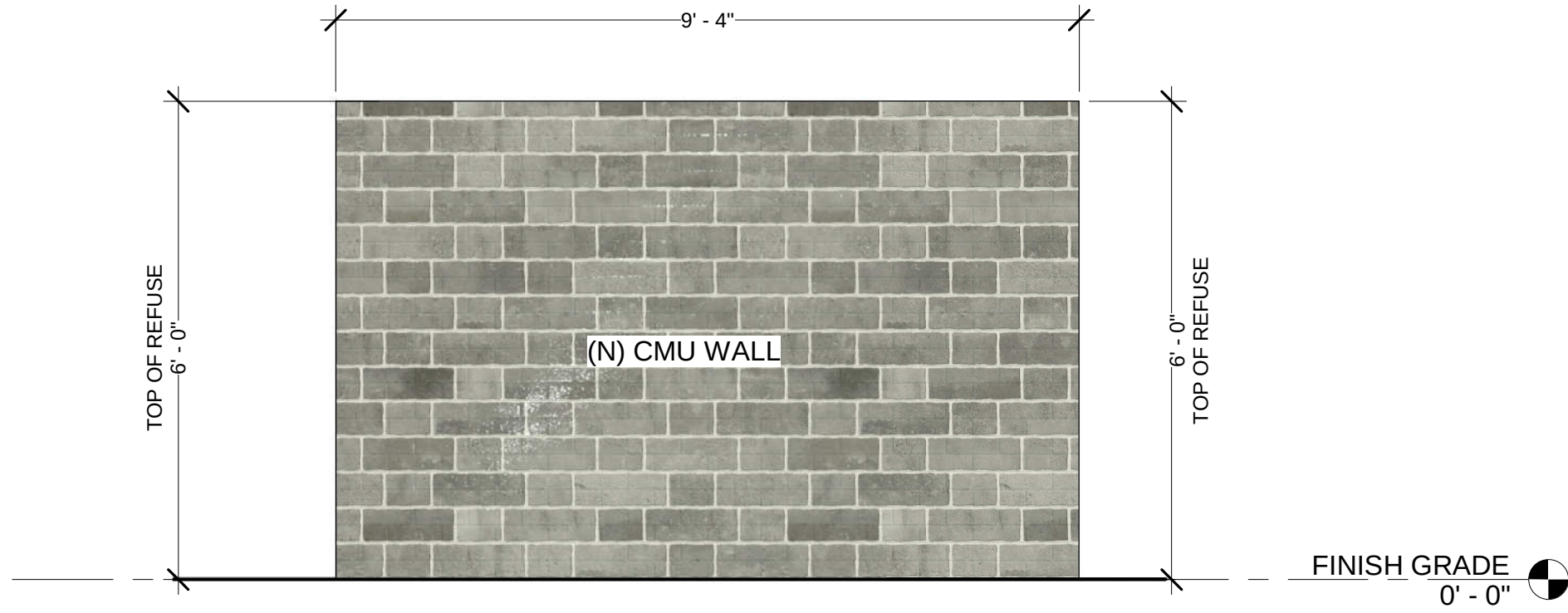
A-3



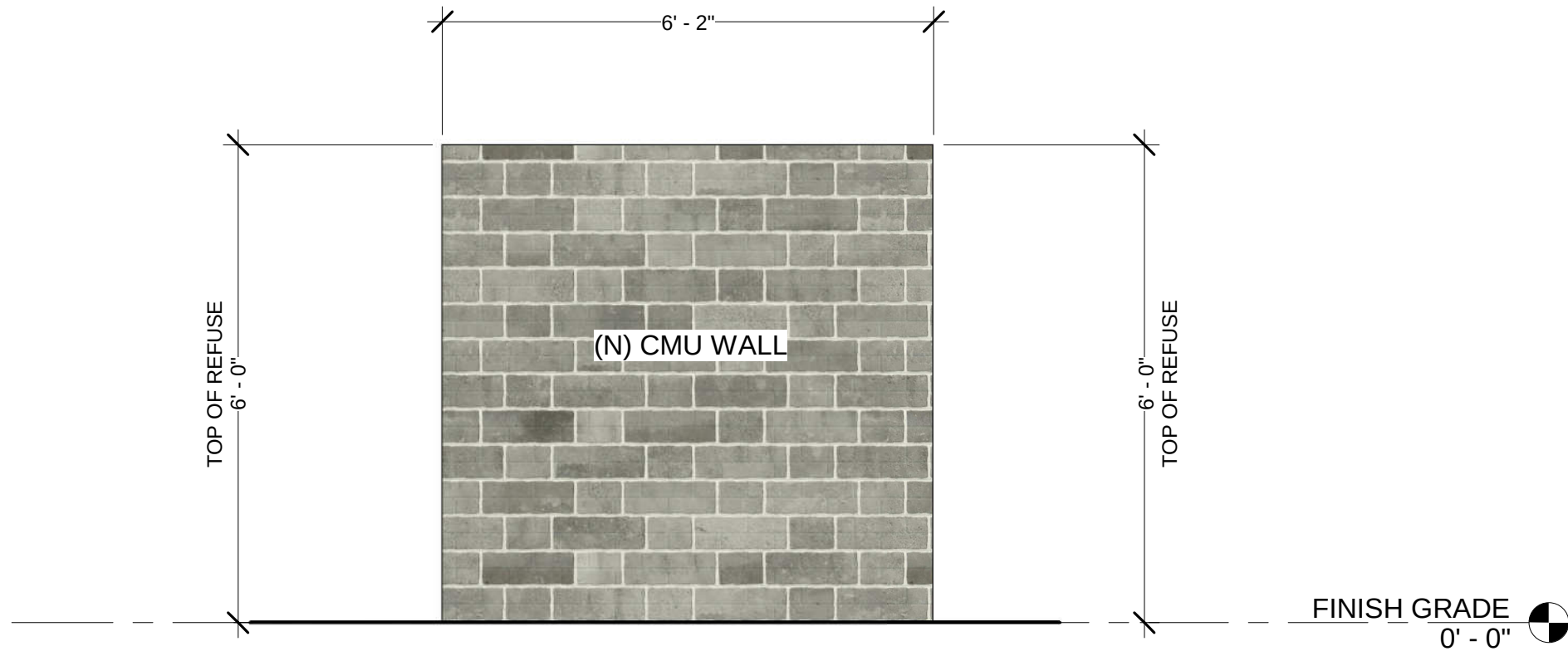
1 REFUSE AREA FLOOR PLAN
1/2" = 1'-0"



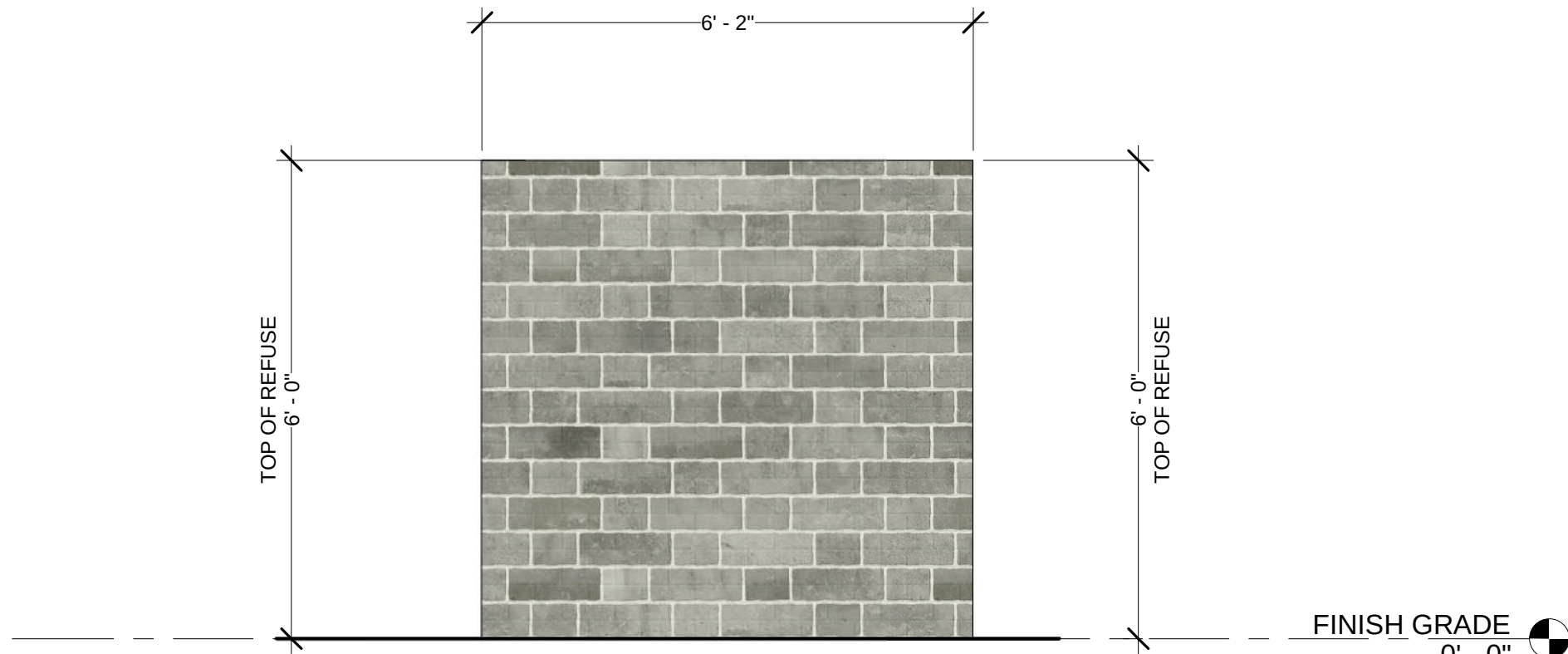
2 REFUSE AREA EAST ELEVATION
1/2" = 1'-0"



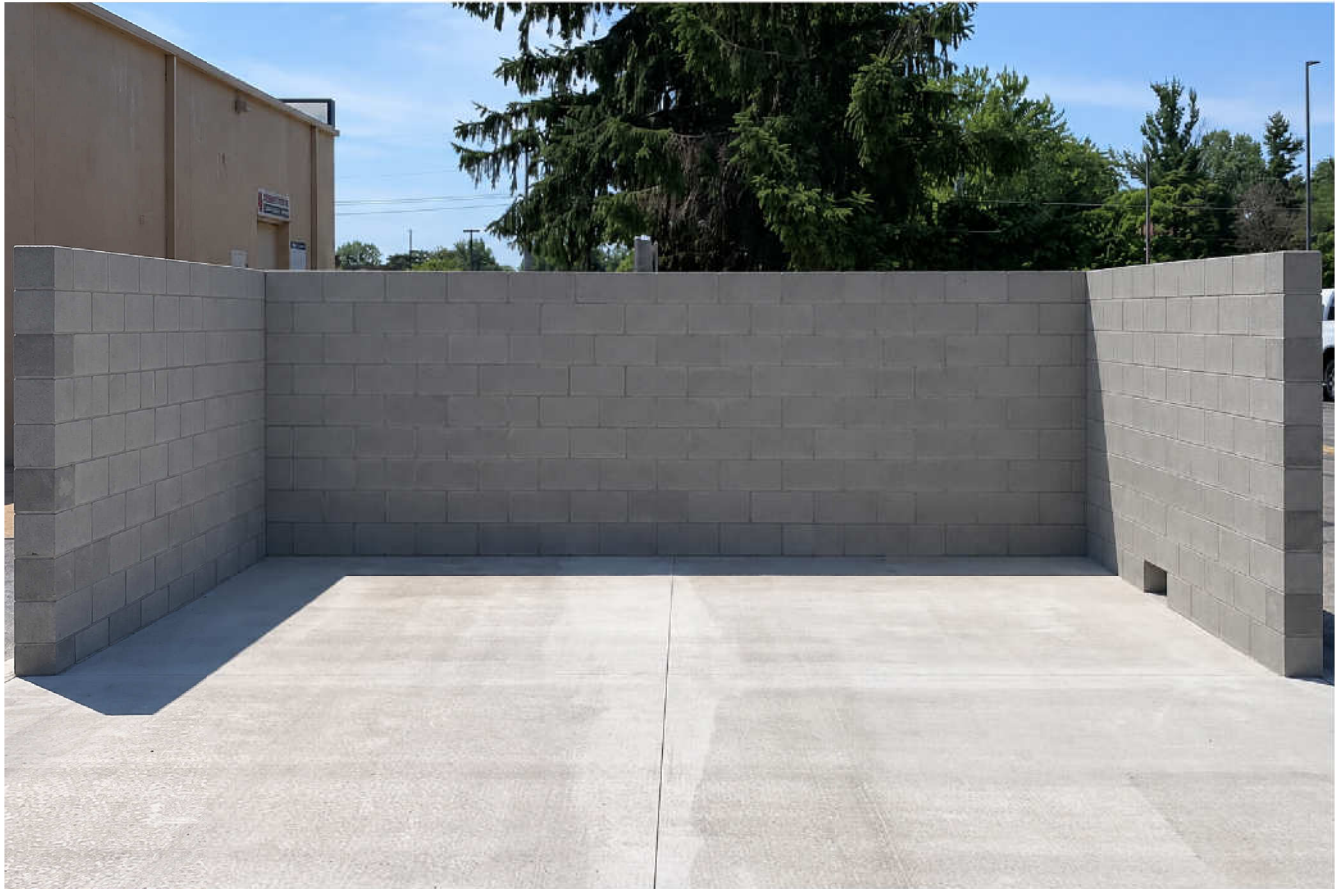
3 REFUSE AREA WEST ELEVATION
1/2" = 1'-0"



4 REFUSE AREA NORTH ELEVATION
1/2" = 1'-0"



5 REFUSE AREA SOUTH ELEVATION
1/2" = 1'-0"



REFUSE
MATERIAL: CMU BLOCK

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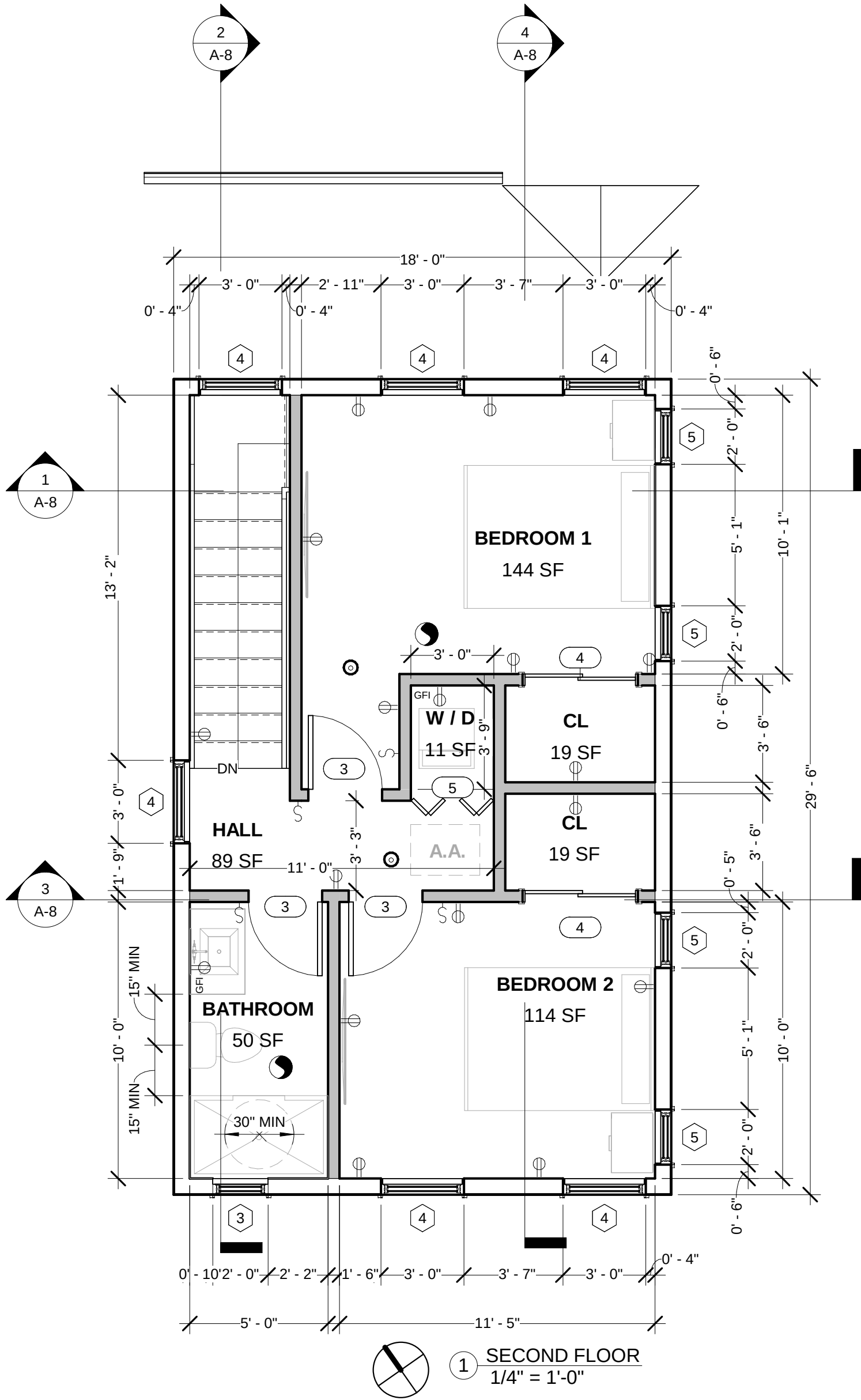


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CITY APPROVAL STAMP



PROPOSED SECOND FLOOR DOOR SCHEDULE									
Mark	WIDTH	HEIGHT	OPERATION	FRAMING	MATERIAL	QUANTITY	TEMPERED	U-FACTOR	SHGC
3	2' - 8"	6' - 8"	SWING	WOOD	WOOD	3	No	N/A	N/A
4	4' - 0"	7' - 0"	SLIDING	WOOD	WOOD	2	No	N/A	N/A
5	3' - 0"	6' - 8"	BI-FOLD	WOOD	WOOD	1	No	N/A	N/A

PROPOSED SECOND FLOOR WINDOW SCHEDULE								
MARK	WIDTH	HEIGHT	OPERATION	TEMPERED	SILL HEIGHT	QUANTITY	U-FACTOR	SHGC
3	2' - 0"	3' - 0"	HUNG	Yes	4' - 6"	1	0.30	0.25
4	3' - 0"	4' - 0"	HUNG	No	3' - 6"	6	0.30	0.25
5	2' - 0"	4' - 0"	HUNG	No	3' - 6"	4	0.30	0.25

LEGEND	
NEW WALL (2X4)	
NEW WALL (2X6)	
ENERGY STAR EXHAUST 50 CFM DUCTED TO OUTSIDE AND CONTROLLED BY HUMIDISTAT	
SMOKE DETECTOR/ CARBON MONOXIDE	

ELECTRICAL LEGEND	
	SINGLE SWITCH
	DOUBLE SWITCH
	DIMMER SWITCH
	VACANCY SENSOR SWITCH
	DOUBLE OUTLET
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NATURAL LIGHT CALCULATION:	VENT CALCULATIONS:
(N) BEDROOM 1: 144 SF 144 SF X 10% = 14.4 SF (N) WINDOW 4 = 12 SF X 2 = 24 SF (N) WINDOW 5 = 8 SF X 2 = 16 SF REQUIRED: 14.4 SF PROVIDED: 40 SF	(N) BEDROOM 1: 144 SF 144 SF X 5% = 7.2 SF (N) WINDOW 4 = 6 SF X 2 = 12 SF (N) WINDOW 5 = 4 SF X 2 = 8 SF REQUIRED: 7.2 SF PROVIDED: 20 SF
(N) BEDROOM 2: 114 SF 114 SF X 10% = 11.4 SF (N) WINDOW 4 = 12 SF X 2 = 24 SF (N) WINDOW 5 = 8 SF X 2 = 16 SF REQUIRED: 11.4 SF PROVIDED: 40 SF	(N) BEDROOM 2: 114 SF 114 SF X 5% = 11.4 SF (N) WINDOW 4 = 6 SF X 2 = 12 SF (N) WINDOW 5 = 4 SF X 2 = 8 SF REQUIRED: 11.4 SF PROVIDED: 20 SF

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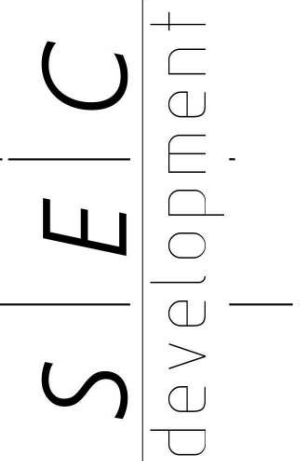
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PROPOSED SECOND FLOOR PLAN

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CHECKED BY:	A.G.
SCALE:	1/4" = 1'

CITY APPROVAL STAMP

VENT LEGEND (TOP OF ROOF)		
TYPE OF VENT	SYMBOL	QUANTITY
ERV 4 EXHAUST	●	1
16 X 8 UNDEREAVE VENT	■	10

NOTES:

THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE SOLAR ELECTRIC INSTALLATION. THE RESERVED SPACE SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INOUT FEEDER LOCATION OR MAIN CIRCUIT LOCATION AND SHALL BE PERMANENTLY MARKED AS "FOR FUTURE SOLAR ELECTRIC" (4.211.4, ENERGY CODE & 110.10, LAFD REQUIREMENT NO. 96)

A COPY OF THE CONSTRUCTION DOCUMENTS OR A COMPARABLE DOCUMENT INDICATING THE INFORMATION FROM ENERGY CODE SECTIONS 110.10(B) THROUGH 110.10(C) SHALL BE PROVIDED TO THE OCCUPANT. ENERGY CODE 110.10(D)

(TOP OF ROOF) ATTIC VENT CALCULATIONS:

1 SQUARE FEET FOR EVERY 150 SQUARE FEET ATTIC FLOOR AREA

REQUIRED:

ERV4 EXHAUST ATTIC VENT = SUFFICIENT FOR 1,600 SF ATTIC

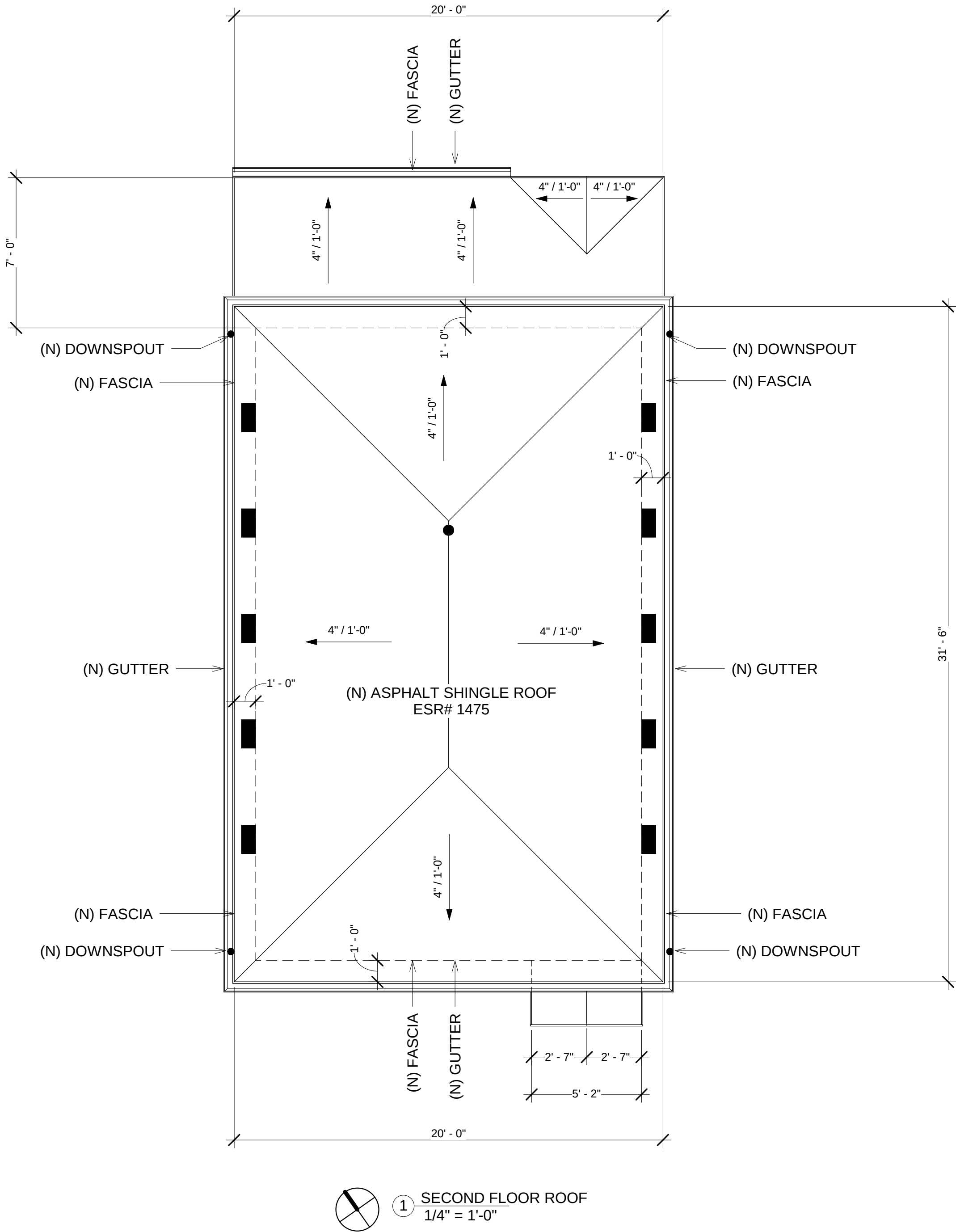
ERV4 EXHAUST ATTIC VENT REQUIRES 480 SQ IN INTAKE VENT

PROVIDED:

16X8 UNDEREAVE VENT PROVIDES 56 SQ IN NET FREE AREA

480 SQ IN / 56 SQ IN = (8.5) 16X8 UNDEREAVE VENTS

560 SQ IN OF NET FREE VENT PROVIDED > 480 SQ IN NET FREE VENT REQUIRED



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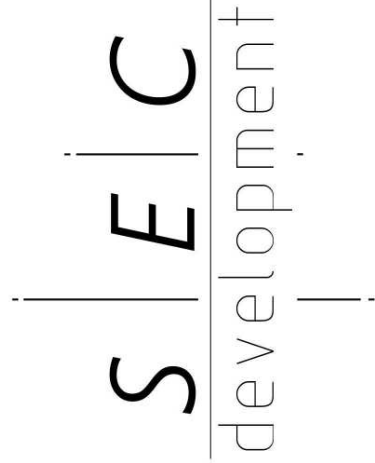
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ROOF PLAN

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DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	1/4" = 1'-0"

(TOP OF ROOF) ATTIC VENT CALCULATIONS:

1 SQUARE FEET FOR EVERY 150 SQUARE FEET ATTIC FLOOR AREA

REQUIRED:

530 SF OF CRAWLSPACE / 150 = 3.5 SQ FT

3.5 SF X 144 = 504 SQ IN

PROVIDED:

16X8 CRAWLSPACE VENT PROVIDES 56 SQ IN NET FREE AREA

30 X 24 CRAWLSPACE ACCESS PROVIDES 200 SQ IN

PROVIDED 1 CRAWLSPACE ACCESS DOOR = 200 SQ IN

PROVIDED 6 CRAWLSPACE VENTS = 336 SQ IN

536 SQ IN OF NET FREE VENT PROVIDED > 504 SQ IN NET FREE VENT REQUIRED

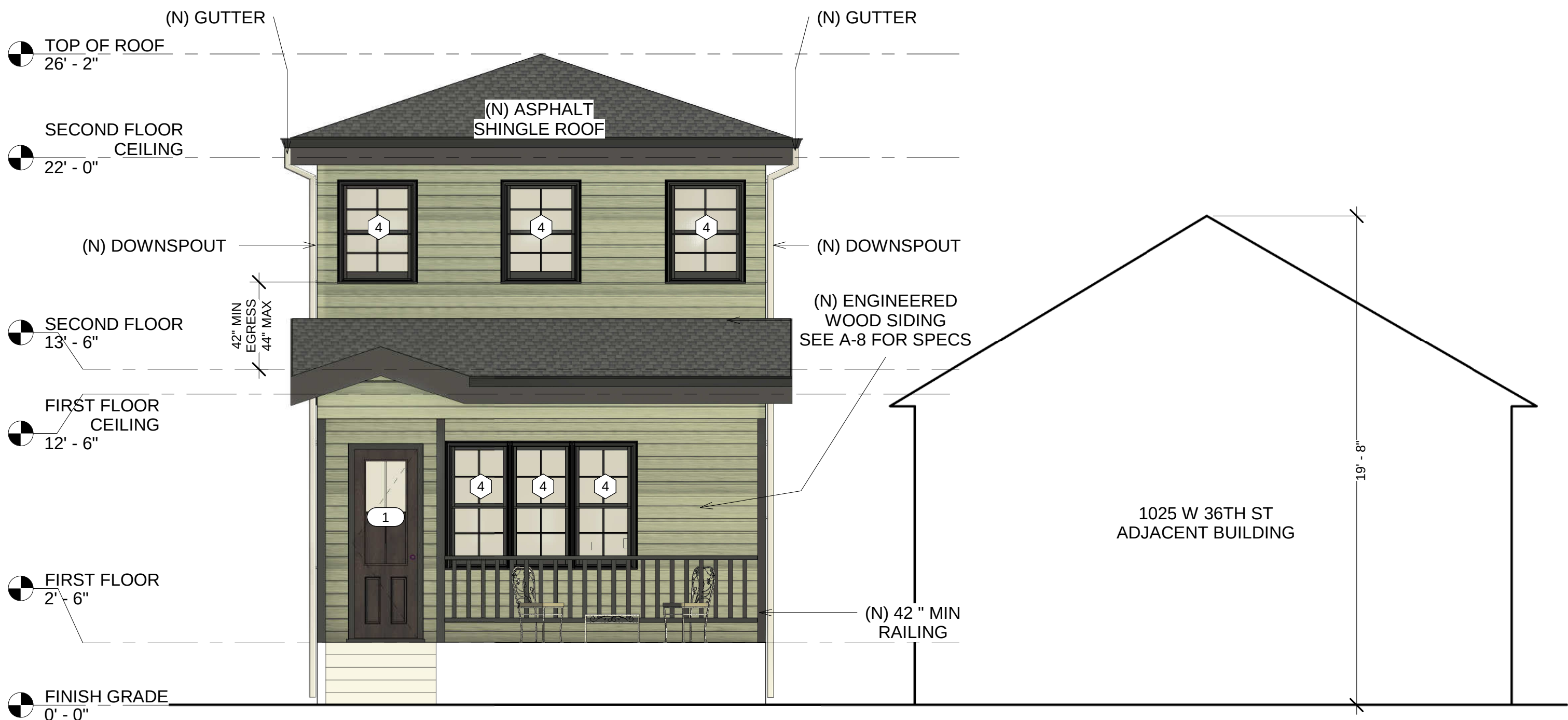
FOUNDATION CONTRIBUTORY BUILDINGS DATA		
ADDRESS	TOTAL FOUNDATION HEIGHT	AVERAGE FOUNDATION HEIGHT
1015 W 36TH ST	30'	30'
1009 W 36 TH ST	30'	
1003 W 36TH ST	30'	



① EAST ELEVATION
1/4" = 1'-0"

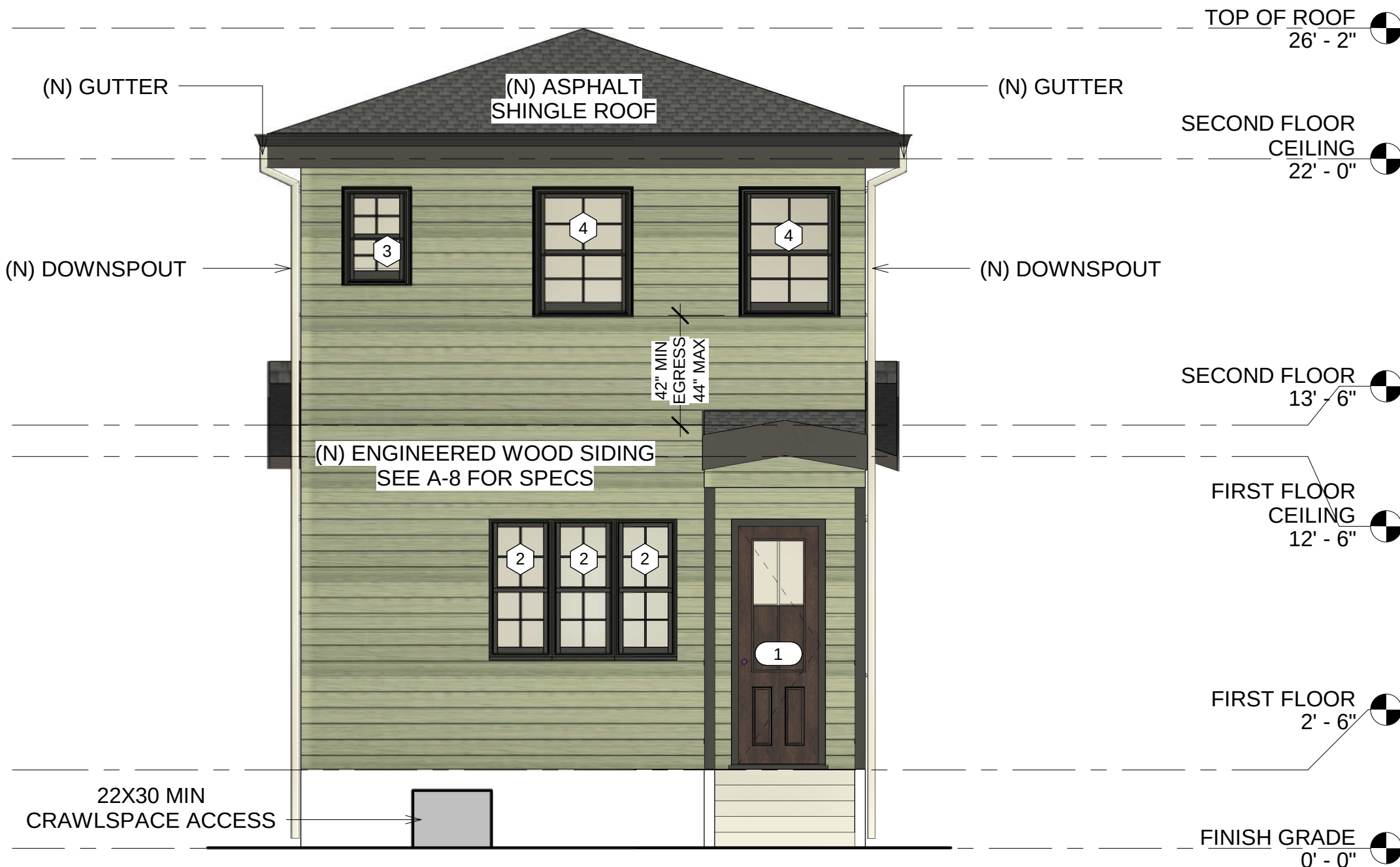


② WEST ELEVATION
1/4" = 1'-0"



③ NORTH ELEVATION
1/4" = 1'-0"

NOTE: VISIBLE FROM STREET GROUND FLOOR FACADE MEETS ≥ 30% TRANSPARENCY



④ SOUTH ELEVATION
1/4" = 1'-0"

NOTE: VISIBLE FROM STREET GROUND FLOOR FACADE MEETS ≥ 30% TRANSPARENCY

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ELEVATIONS

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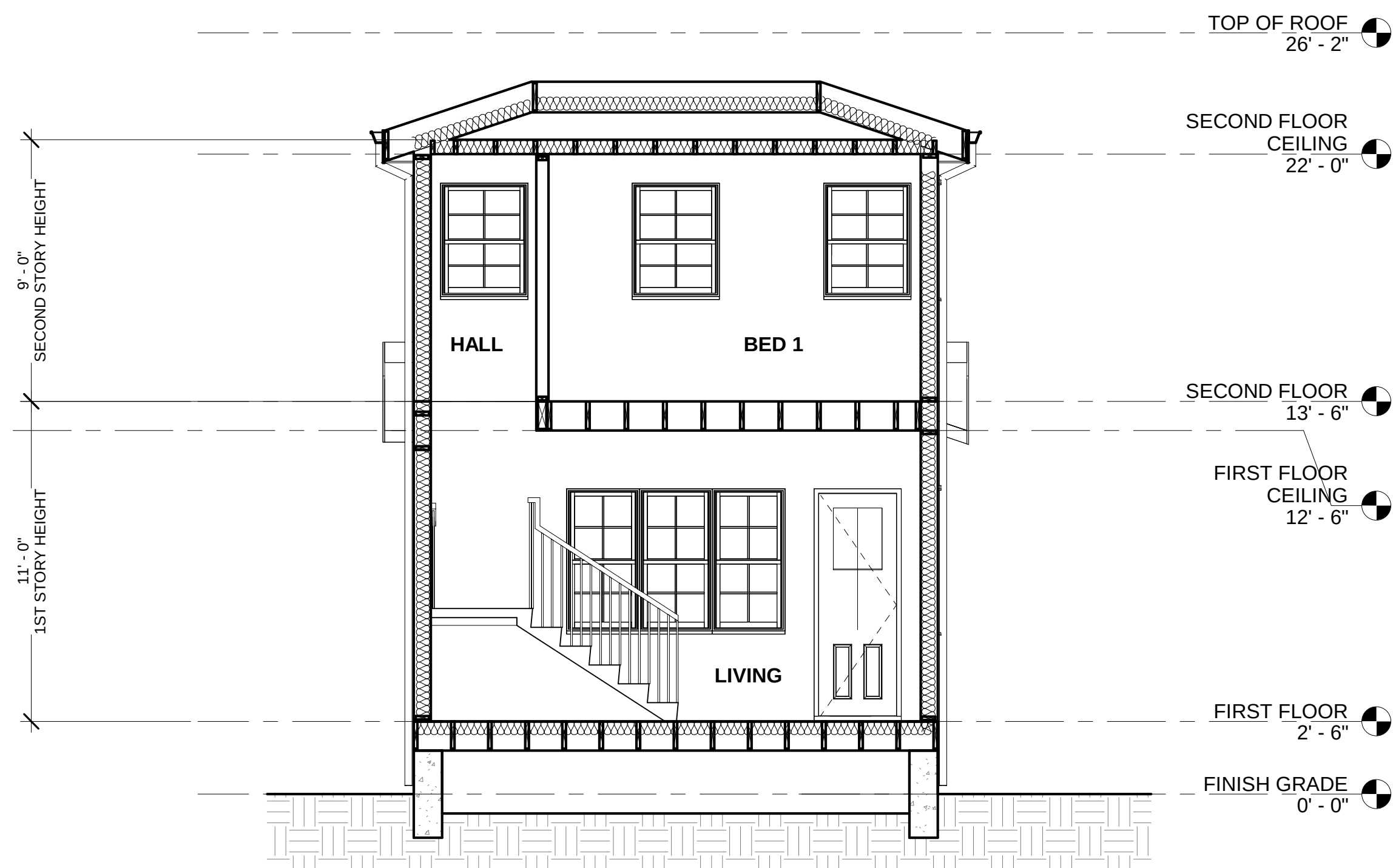
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development

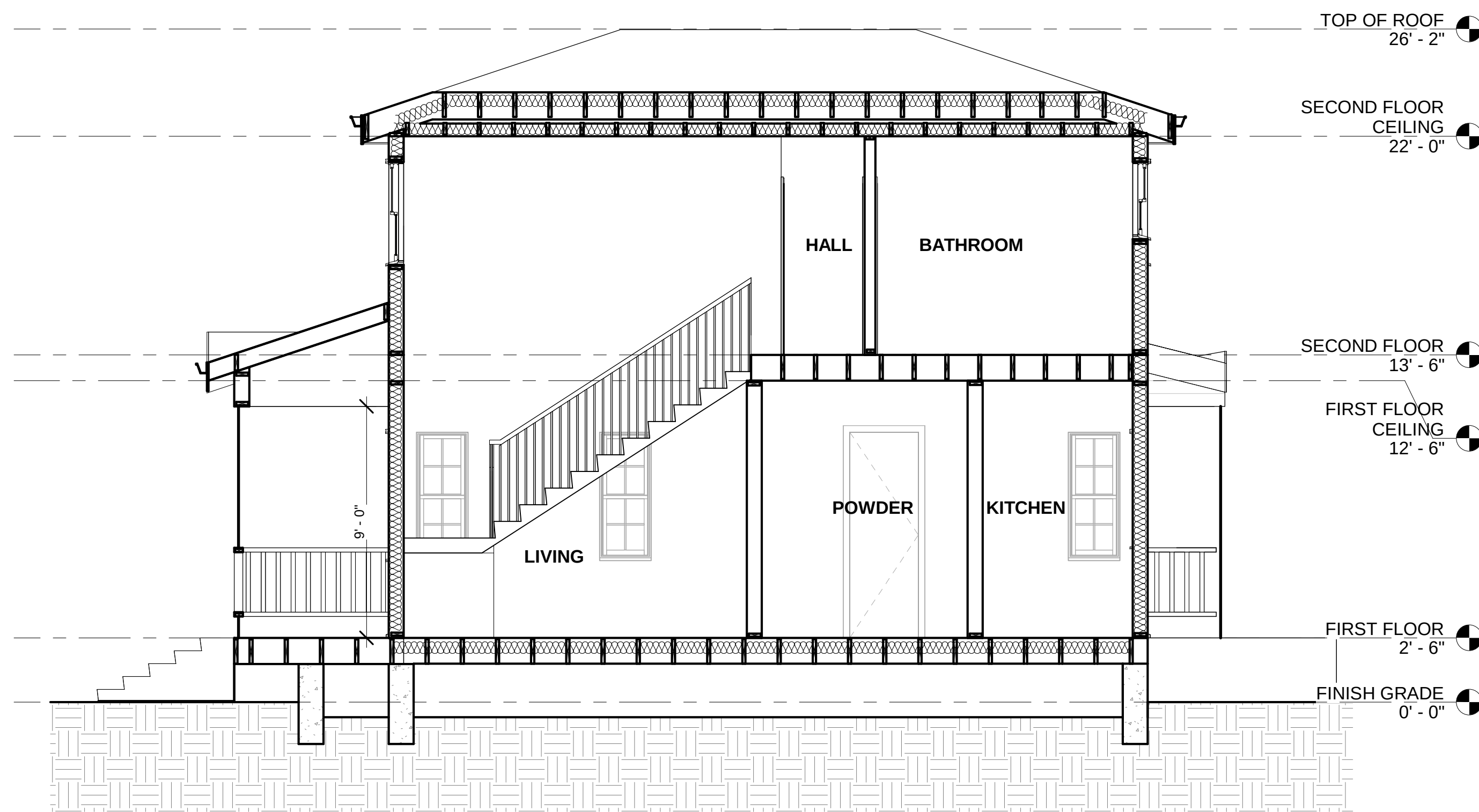
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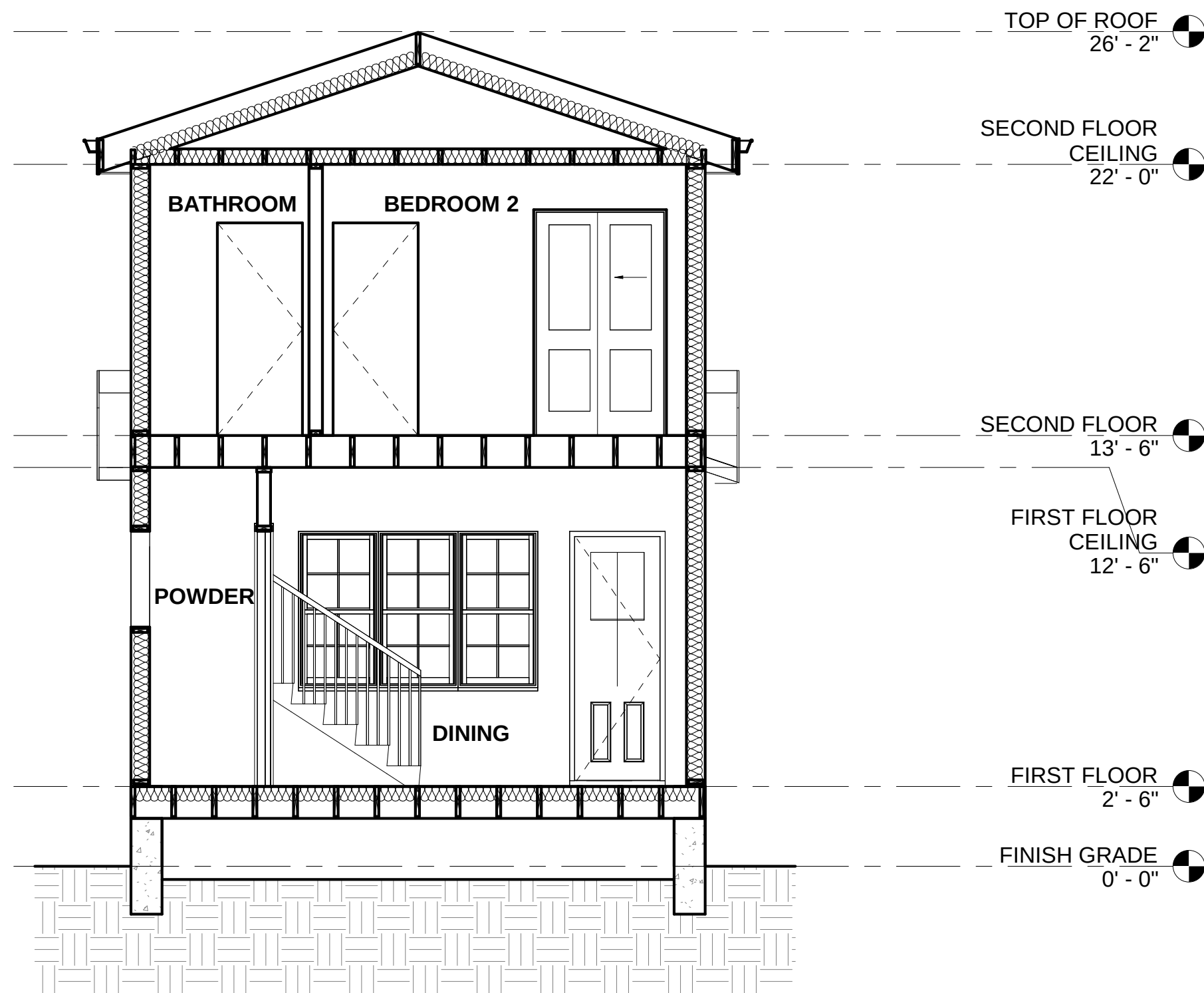
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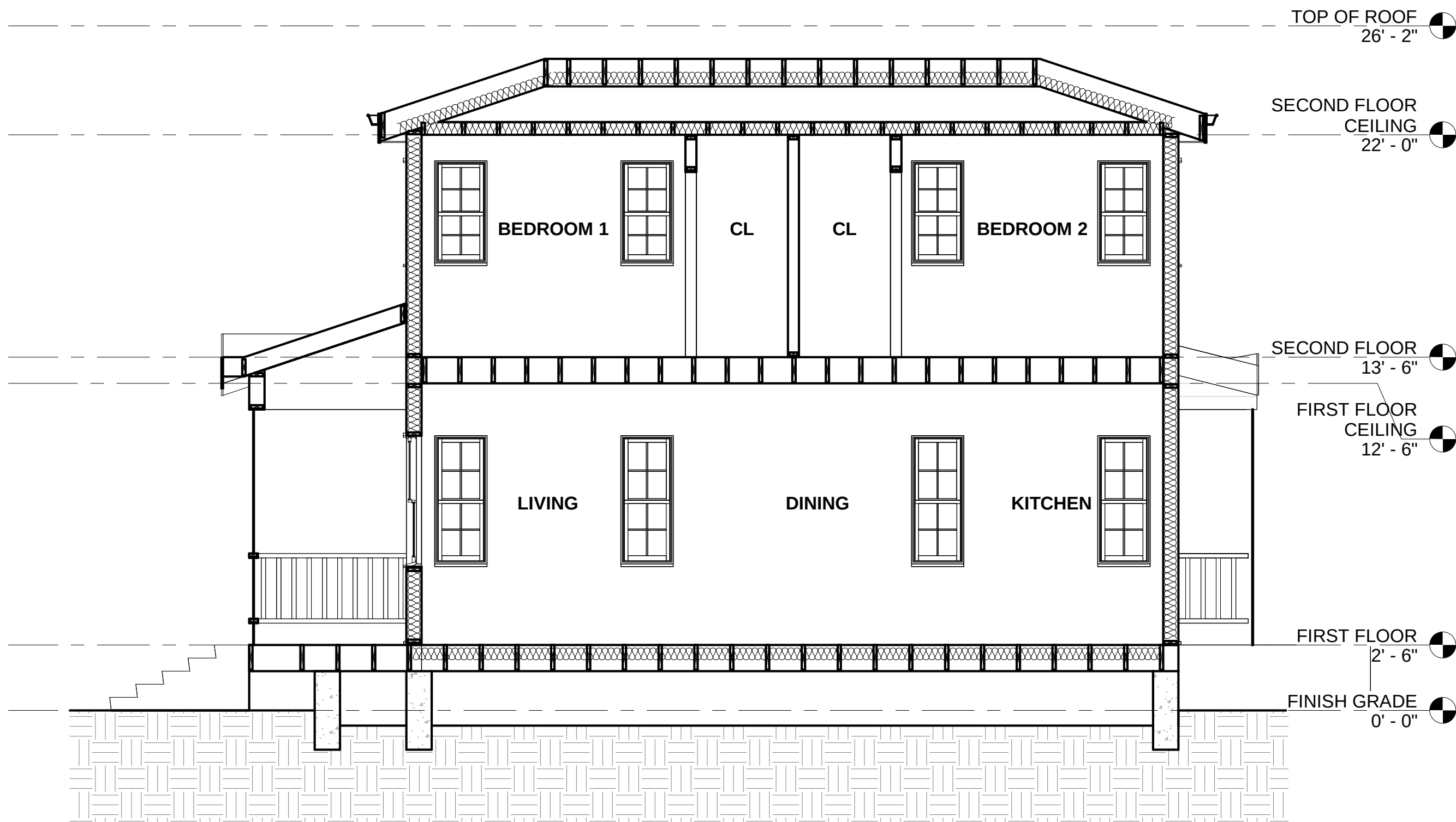
① SECTION 1
1/4" = 1'-0"



② SECTION 2
1/4" = 1'-0"



③ SECTION 3
1/4" = 1'-0"



④ SECTION 4
1/4" = 1'-0"

NOTE:

1. MINIMUM 1" AIRSPACE REQUIRED BETWEEN INSULATION AND ROOF SHEATHING (R806.3CRC) PROVIDE MINIMUM STUD/RAFTER SIZE TO ACCOMMODATE INSULATION. IF RAFTER-SPACE VENTILATION IS REQUIRED, PROVIDE 2X12, 2X8 AND 2X6 FOR R-30, R-19, AND R-13 RESPECTIVELY.

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SECTIONS

CITY APPROVAL STAMP

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(818) 484-7111

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(818) 484-7111

PROJECT INFO

JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	1/4" = 1'-0"

A-8



ICC-ES Evaluation Report

ESR-1475

Reissued October 2023

This report also contains:
- CBC Supplement

Subject to renewal October 2025

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION Section: 07 31 13—Asphalt Shingles	REPORT HOLDER: GAF	EVALUATION SUBJECT: GAF SHINGLE ROOF COVERING SYSTEMS	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 [International Building Code® \(IBC\)](#)
- 2021, 2018, 2015, 2012, 2009 and 2006 [International Residential Code® \(IRC\)](#)

Properties evaluated:

- Weather resistance
- Fire classification
- Wind resistance

2.0 USES

The GAF® asphalt shingles described in this report comply with IBC Section 1507.2 and IRC Section R905.2 and are Class A roof coverings when installed as described in this report.

3.0 DESCRIPTION

3.1 Shingles:

3.1.1 General: The GAF asphalt shingles comply with ASTM D3462 and have been qualified for wind resistance as noted in Section 4.1.2 and [Table 1](#). The shingles are available as three-tab, five-tab and laminated asphalt shingle roof coverings. See [Table 1](#) and [Figure 1](#) for recognized product names and classifications, shingle types, manufacturing locations, overall dimensions, maximum exposure to the weather and fastening details. The shingles are self-sealing by means of adhesive strips located on either the weather side or the underside. See [Figure 1](#) for dimensions, nailing locations and adhesive strip location for field shingles.

3.1.2 Three-tab Shingles and Five-tab Shingles: Three-tab and five-tab shingles are composed of a single layer of fiberglass mat, impregnated and coated with asphalt on both sides, and surfaced with mineral roofing granules on the weather side and a mineral release agent on the underside.

3.1.3 Laminated Shingles: Laminated shingles are composed of multiple thicknesses of coated and surfaced fiberglass mat, cut and bonded together in different patterns. The weather side is surfaced with mineral roofing granules, and the underside is surfaced with a mineral release agent.

ESR-1475

ICC-ES Most Widely Accepted and Trusted

Page 6 of 13

TABLE 1—GAF SHINGLES – PRODUCT DESCRIPTIONS AND MANUFACTURING LOCATIONS (Continued)

SHINGLE	SHINGLE TYPE	PLANT LOCATION	DIMENSIONS (height x width) (inches)	MAXIMUM EXPOSURE TO THE WEATHER (inches)	LOCATION OF NAIL LINE¹ (inches)	CLASS
Timberline® Natural Shadow® Timberline® NS	Laminated	Baltimore, MD Dallas, TX Ennis, TX Fontana, CA Michigan City, IN Myerstown, PA Shafter, CA Tampa, FL Tuscaloosa, AL	13 1/4 x 39 1/2	5 1/2	6	ASTM D3161, Class F ASTM D7158, Class H
Timberline® HDZ™ Timberline® UHDZ™	Laminated	Baltimore, MD Dallas, TX Ennis, TX Fontana, CA Michigan City, IN Myerstown, PA Shafter, CA Tampa, FL Tuscaloosa, AL	13 1/4 x 39 1/2	5 1/2	5 1/4 – 7 1/2	ASTM D3161, Class F ASTM D7158, Class H
Timberline® Cool Series®	Laminated	Fontana, CA	13 1/4 x 39 1/2	5 1/2	6	ASTM D3161, Class F ASTM D7158, Class H
Timberline® CS	Laminated	Fontana, CA	13 1/4 x 39 1/2	5 1/2	5 1/4 – 7 1/2	ASTM D3161, Class F ASTM D7158, Class H
Timberline Ultra HD®, Timberline® UHD	Laminated	Baltimore, MD Dallas, TX Ennis, TX Fontana, CA Michigan City, IN Myerstown, PA Shafter, CA Tampa, FL Tuscaloosa, AL	13 1/4 x 39 1/2	5 1/2	6	ASTM D3161, Class F ASTM D7158, Class H
Timberline® American Harvest®	Laminated	Fontana, CA Michigan City, IN Myerstown, PA Tuscaloosa, AL	13 1/4 x 39 1/2	5 1/2	6	ASTM D3161, Class F ASTM D7158, Class H
Timberline® AH	Laminated	Fontana, CA Michigan City, IN Myerstown, PA Tuscaloosa, AL	13 1/4 x 39 1/2	5 1/2	5 1/4 – 7 1/2	ASTM D3161, Class F ASTM D7158, Class H
Fortitude®	Laminated	Myerstown, PA	13 1/4 x 39 1/2	5 1/2	5 1/4 – 7 1/2	ASTM D3161, Class F ASTM D7158, Class H
Woodland®	Laminated	Mt. Vernon, IN	17 x 40	6 1/2 - 7 1/2	8	ASTM D3161, Class F ASTM D7158, Class H
Timberline Solar HDZ™	Laminated	Mt. Vernon, IN	17 1/4 x 40	7 1/2	7 1/2 (4 – 9) 1/2	ASTM D3161, Class F ASTM D7158, Class H

For Slt: 1 inch = 25.4 mm, 1 lb/100 ft² = 0.0488 kg/m²

¹Nail line = distance from lowest edge of shingle to target nail location. See [Figure 1](#).



ICC-ES Evaluation Report

ESR-2290

Reissued March 2020

Revised April 2020

Subject to renewal March 2028

This report also contains:

- [CA Supplement](#) / [w DSA & OSHPO](#)

- [FL Supplement](#) w/ [HVHZ](#)

- [IWUC Supplement](#)

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DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES Section: 06 16 00—Sheathing DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION Section: 07 46 46—Fiber-Cement Siding	REPORT HOLDER: JAMES HARDIE BUILDING PRODUCTS, INC.	EVALUATION SUBJECT: HARDIE® SHINGLE PANELS, HARDIE® PLANK LAP SIDING, ARTISAN® LAP SIDING, AND HARDIE® SHINGLE INDIVIDUAL SHINGLES	
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1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2024, 2021, 2018, 2015, 2012 and 2009 [International Building Code® \(IBC\)](#)
- 2024, 2021, 2018, 2015, 2012 and 2009 [International Residential Code \(IRC\)](#)
- 2013 Abu Dhabi International Building Code (ADIBC)¹

¹The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Weather protection
- Structural
- Types I, II, III, and IV (noncombustible) construction
- Fire-resistance-rated construction
- Thermal resistance

1.2 Evaluation to the following green standards:

- 2020, 2015, 2012 and 2008 ICC 700 [National Green Building Standard™](#) (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)
- 2025 California Green Building Standard Code (CALGreen), Title 24, Part 11
- 2024, 2021 and 2018 [International Green Construction Code® \(IgCC\)](#)



Page 1 of 41

ESR-2290

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Page 6 of 41

7.0 IDENTIFICATION

7.1 Pallets of the James Hardie® Building Products, Inc., Hardie® Shingle panels, Hardie® Plank (CemPlank®, Prevail®, and RFC®) lap siding, Artisan® Lap Siding, and Hardie® Shingle shingles must carry a label bearing the manufacturer's name and telephone number, the product name, the name of the inspection agency, ICC-ES, and the evaluation report number (ESR-2290).

7.2 The report holder's contact information is the following:

JAMES HARDIE BUILDING PRODUCTS, INC.
10901 ELM AVENUE
FONTANA, CALIFORNIA 92337
(909) 942-7343
www.jameshardie.com
info@jameshardie.com

TABLE 1—STANDARD NOMINAL PANEL, PLANK AND SHINGLE DIMENSIONS

PRODUCT	WIDTH (INCHES)	LENGTH	THICKNESSES (INCHES)
Hardie® Plank lap siding	4, 5 1/4, 6, 6 1/4, 7 1/4, 7 1/2, 8, 8 1/4, 9 1/4, 9 1/2 & 12	12, 14 feet	1/4
Artisan® lap siding	5 1/4, 7 1/4, 8 1/4	12, 14 feet	1/4
CemPlank® lap siding	5 1/4, 6, 6 1/4, 7 1/4, 7 1/2, 8, 8 1/4, 9 1/4 & 12	12, 14 feet	1/4
Prevail® lap siding	5 1/4, 6, 6 1/4, 7 1/4, 7 1/2, 8, 8 1/4, 9 1/4 & 12	12, 14 feet	1/4
RFCE® lap siding	6 1/4, 7 1/4, 8 1/4, 9 1/4 & 12	12, 14 feet	1/4
Hardie® Shingle 5-inch exposure (square & staggered edge)	48	14 inches	1/4
Hardie® Shingle 7-inch exposure (square & staggered edge)	48	15 1/2, 15 1/4 inches	1/4
Hardie® Shingle panel (square & staggered edge)	48	16 inches	1/4
Hardie® Shingle panel (half round)	48	16, 19 inches	1/4
Hardie® Shingle individual shingles 5-inch exposure	3 1/2, 4 1/4, 5 1/4, 7, 8 1/4	14 inches	1/4
Hardie® Shingle individual shingles 7-inch exposure	4 1/4, 5 1/4, 6 1/4, 7 1/4, 10,	15 1/4 inches	1/4
Hardie® Shingle individual shingles	6, 8, & 12	18 inches	1/4

For Slt: 1 inch = 25.4 mm, 1 ft = 305 mm.

TABLE 2—"K" and "R" VALUES FOR FIBER-CEMENT PRODUCTS				
PRODUCT THICKNESS¹ (INCH)	THERMAL CONDUCTANCE¹ K _{avg} = (BTUHR-FT²-F)/INCH	THERMAL RESISTANCE¹ R = 1/K _{avg}	ACTUAL THERMAL CONDUCTANCE² (K _{avg})	ACTUAL THERMAL RESISTANCE² (R)
1/4	1.85	0.54	0.80	0.13
3/4	2.07	0.48	6.62	0.15

For Slt: 1 inch = 25.4 mm, 1 Btu/h-ft²-F = 5.678 W/m²-K.

¹Based on 1 inch of panel thickness.

²Actual value for panel thickness shown.

REVISE DATES:

OWNER: AMERICAN PRIME CONSTRUCTION LLC
ADDRESS: 1023 W 36TH ST
SAVANNAH, GA, 31315

S E C development

SECDEVELOPMENT.NET

(818) 484-7111

SECDEVELOPMENT.NET

(818) 484-7111

A-9



SECTION 07 46 23

ENGINEERED WOOD SIDING

PAGE: 07 46 23-4

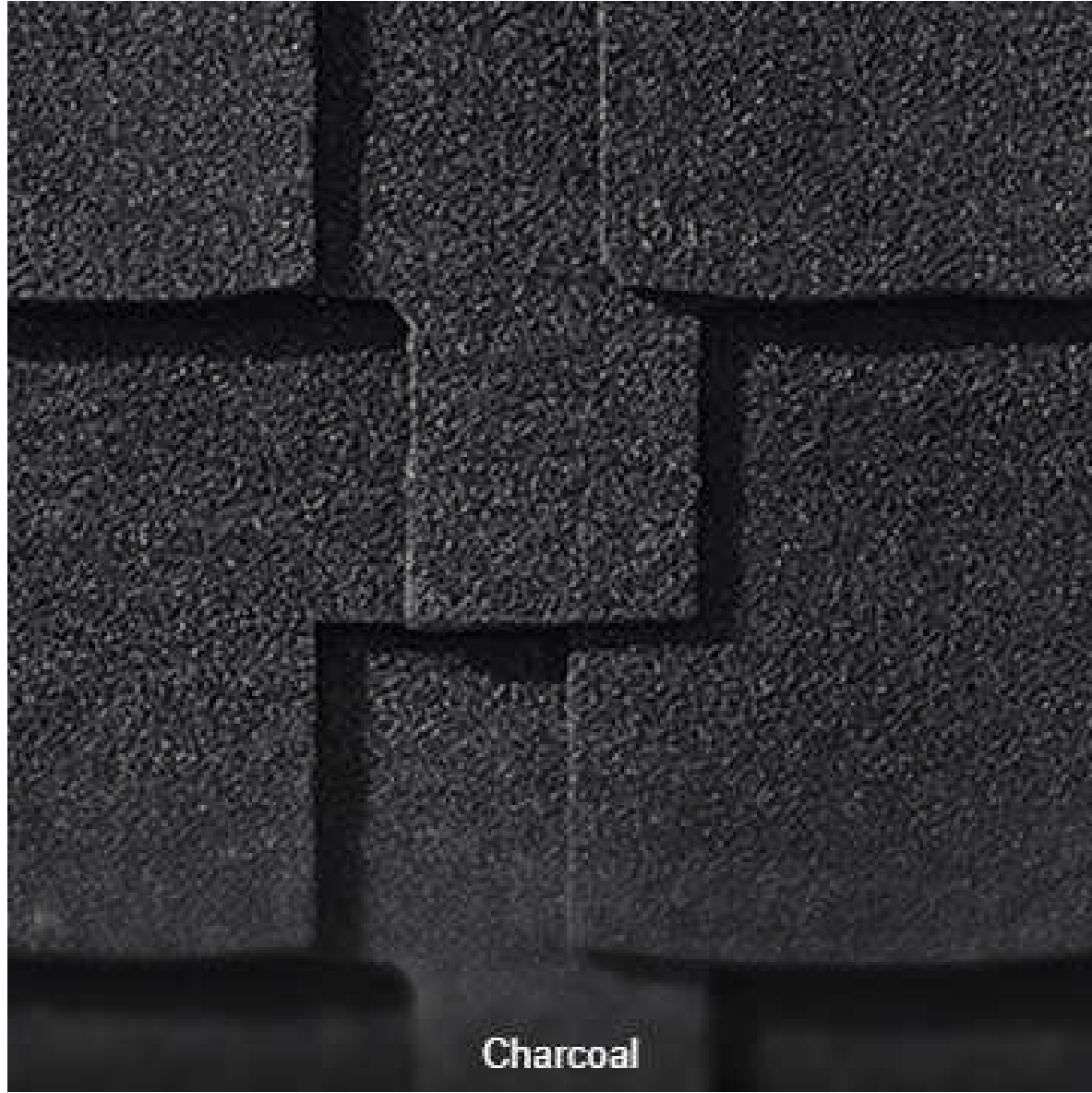


MOUNTAIN SAGE

WOOD SIDING



GAF Shingle Standards and Code Approvals																							
Title	Agee Protection	Product Name	ASTM D3482	ASTM D3181	ASTM D7158	ASTM D6818	UL 790 (Wind)	UL 2218 (Hail)	Impact Resistant Rating	CSA A123.5	Miami Dade	FBC	TDI	ICC	ICC AC408	UL 58	CRRC	Title 24	City of LAW (L.A. County)	LEED Credit for Reflectance	Size	Shingles Per 100 sq. ft.	Shd. Coverage
Cornwall® II	Standard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	18-1030.06	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 x 34-1/2"	at least 12	4/SQ
Grand Canyon®	Standard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	25-0130.02	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 X 40"	at least 14	5/SQ
Grand Sequoia®	Standard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	22-0523.04*	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 X 40"	at least 14	5/SQ
Grand Sequoia® AS	Standard Plus	Shingles	Yes	Class F	No	Yes	Class A	Class 4	TDI and Stone Form	Yes	22-0523.04	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 x 40"	at least 18	4/SQ
Grand Sequoia® RS	None	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	22-0523.04*	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 X 40"	at least 14	5/SQ
Marquis WeatherMax® (Canada Only)	None	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	No	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	12 x 36"	at least 28	3/SQ
Royal Sovereign®	Standard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	No	22-0825.04	FL10124	Complies	ESR-1475	ESR-3267	No	0676-0033 (White)	White Only*	White Only*	Not Eligible	13-1/4 x 39-3/8" (Portland only)	at least 26	3/SQ
Stateline®	Standard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	Yes	21-1209.02	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	17 x 40"	at least 16	3/SQ
Timberline AS® II	Standard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	Class 4	TDI and Stone Form	No	No	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	13-1/4 x 39-3/8"	at least 20	3/SQ
Timberline AS® II (CAN)	Standard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	Class 4	TDI and Stone Form	Yes	No	FL10124	Complies	ESR-1475	ESR-3267	No	Not Rated	Not Eligible	Not Eligible	Not Eligible	13-1/4 x 39-3/8"	at least 20	3/SQ
Timberline HD®	Standard Plus	Shingles	Yes	Class F	Class H	Yes	Class A	No	No	No	21-1209.01	FL10124, FL30782	Complies	ESR-1475	ESR-3267	UL E921-01	0676-0036 (Birchwood), 0676-0030 (White)	Birchwood, White*	Birchwood, White*	Not Eligible	13-1/4 x 39-3/8"	at least 20	3/SQ



ASPHALT SHINGLE (ROOF)



1" x 4" LUMBER (CEDAR) FOR RAILING



2" x 4" LUMBER (CEDAR) FOR HANDRAIL



COVERED PATIO



EXTERIOR SASH AND GRILLE:



SIZES (W) x (H):

36"x54" (ALL WINDOW)

EXTERIOR JAMB AND TRIM & INTERIOR:



WINDOW SPEC ON A-7

WINDOW WOOD SPECIES:



WINDOW (DOUBLE HUNG)



DOOR WOOD SPECIES AND FINISH:



KNOTTY ALDER
3' x 8'

EXTERIOR DOOR

REAR COVERED PATIO
POURED CONCRETE PORCH STEPS
WITH
WOOD DECKING



REAR ENTRANCE

REVISE DATES:

CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH THE WORK

AS INSTRUMENT OF SERVICE, ALL DESIGN, IDEAS AND INFORMATION SHOWN ON THESE DRAWINGS ARE AND SHALL REMAIN THE PROPERTY OF SEC DEVELOPMENT. NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF SEC DEVELOPMENT. VISUAL CONTACT WITH THESE DRAWINGS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

OWNER:
AMERICAN PRIME CONSTRUCTION LLC
ADDRESS:
1023 W 36TH ST
SAVANNAH, GA, 31315

MATERIAL
BOARD

SECDEVELOPMENT.NET

(818) 484-7111

SEC
development

SECDEVELOPMENT.NET

(818) 484-7111

PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	N.T.S.

A-10

CITY APPROVAL STAMP

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2022 EDITION OF THE CBC, CRC, CMC, CPC, AND CEC AS ADOPTED AND AMENDED BY THE STATE OF CALIFORNIA IN TITLE 24 CCR AND THIS JURISDICTION.

2. SEPARATE PERMITS MAY BE REQUIRED FOR MECHANICAL, ELECTRICAL, PLUMBING, SHORING, GRADING, AND DEMOLITION.

3. ALL PROPERTY LINES, EASEMENTS, AND EXISTING BUILDINGS HAVE BEEN INDICATED ON THIS SITE PLAN. A SECURITY FENCE SHALL BE PROVIDED AROUND THE CONSTRUCTION AREA THAT SHALL BE INSTALLED PRIOR TO EXCAVATION AND/OR FOUNDATION TRENCHING. (BMC 9-1.1-3302.3)

4. WATER SHALL BE PROVIDED ON THE SITE AND USED TO CONTROL DUST.

5. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED ON SITE. (BMC 9-1.1-3305)

6. THE FINISH GRADE SHALL SLOPE A MIN. OF 5%, OR 6", TO A POINT 10 FEET FROM BUILDING FOUNDATION, OR TO AN APPROVED ALTERNATE METHOD OF DIVERTING WATER AWAY FROM THE FOUNDATION. SWALES SHALL SLOPE A MINIMUM OF 2% (CRC R401.3)

7. THE TOP OF THE EXTERIOR FOUNDATION SHALL EXTEND ABOVE THE ELEVATION OF THE STREET GUTTER A MINIMUM OF 12" PLUS 2%. (CRC R403.1.7.3)

8. SEPARATE PERMIT SHALL BE OBTAINED FROM CITY PUBLIC WORKS DEPARTMENT PRIOR TO PLACEMENT OF ANY CONSTRUCTION MATERIALS OR EQUIPMENT IN THE PUBLIC WAY.

9. THE CURRENT CODE IS THE 2022 LOS ANGELES COUNTY BUILDING CODE/RESIDENTIAL CODE.

10. THIS PROJECT SHALL COMPLY WITH THE 2022 CALIFORNIA STANDARDS CODE (2022 CBC, CMC, CPC & CEC) & LOCAL ORDINANCES.

11. AT THE TIME OF PERMIT ISSUANCE, CONTRACTOR SHALL SHOW THEIR VALID WORKERS COMPENSATION INSURANCE CERTIFICATE.

12. ALL WORK SHALL CONFORM TO ALL REQUIREMENTS OF STATE OF CALIFORNIA TITLE 24 REGARDLESS OF THE INFORMATION INDICATED ON THESE PLANS. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL SUPERVISING THE CONSTRUCTION TO ENSURE THAT THE WORK IS DONE IN ACCORDANCE WITH THE CODE REQUIREMENTS PRIOR TO REQUESTING INSPECTION.

13. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS LIQUID WASTE.

14. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) SHALL BE NOTIFIED IN ACCORDANCE WITH CALIFORNIA STATE LAW PRIOR TO START OF ANY DEMOLITION, ADDITION AND/OR REMODEL WORK. THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT OFFICE IS LOCATED AT 21865 COPLEY DRIVE IN DIAMOND BAR, PHONE NO. (909) 399-2600. BE ADVISED, SCAQMD MAY REQUIRE A 10 DAY WAIT PERIOD PRIOR TO START OF WORK. FOR FURTHER INFORMATION VISIT HTTP://WWW.AQMD.GOV/DEFAULT.HTM SEDIMENTS AND ANY OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN WITH RAIN OR ANY OTHER MEANS.

15. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.

16. TRASH AND CONSTRUCTION RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.

17. FUEL, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEAN UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.

18. THE ISSUANCE OF A PERMIT SHALL NOT PREVENT THE BUILDING OFFICIAL FROM REQUIRING THE CORRECTION OF ERRORS ON THESE PLANS OR FROM PREVENTING ANY VIOLATION OF THESE CODES ADOPTED BY THE CITY, RELEVANT LAWS, ORDINANCES, RULES AND/OR REGULATIONS.

19. NO HAZARDOUS MATERIALS WILL BE STORED AND/OR USED WITHIN THE BUILDING, WHICH WILL EXCEED THE QUANTITIES LISTED IN CBC TABLE 414.2.5 (I).

20. OCCUPANCY CLASSIFICATION: TOWNHOUSE.

21. FIRE RESISTANCE RATES SHALL BE SEPARATED BY TWO 1-HOUR FIRE RESISTANCE-RATED WALL ASSEMBLIES COMPLYING WITH THE REQUIREMENTS OF SECTION R302.1 FOR EXTERIOR WALLS, A COMMON 1-HOUR FIRE-RESISTANCE-RATED WALL ASSEMBLY IS PERMITTED IF SUCH WALLS DO NOT CONTAIN PLUMBING OR MECHANICAL EQUIPMENT, DUCTS

22. COMPLIANCE INFORMATION: THE BUILDER SHALL LEAVE IN THE BUILDING, COPIES OF THE COMPLETED, SIGNED AND SEALED CONSTRUCTION DOCUMENTS FOR THE BUILDING OWNER AT OCCUPANCY, FOR LOW-RISE RESIDENTIAL BUILDINGS, SUCH INFORMATION SHALL, AT A MINIMUM, INCLUDE COPIES OF ALL CERTIFICATE OF COMPLIANCE, CERTIFICATE OF INSTALLATION, AND CERTIFICATE OF VERIFICATION DOCUMENTATION SUBMITTED. [10-103(B)(1)]

23. OPERATING INFORMATION: THE BUILDER SHALL PROVIDE THE BUILDING OWNER AT OCCUPANCY, OPERATING INFORMATION, INCLUDING MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING. OPERATING INFORMATION SHALL INCLUDE INSTRUCTIONS ON HOW TO OPERATE THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES CORRECTLY AND EFFICIENTLY. THE INSTRUCTIONS SHALL BE CONSISTENT WITH SPECIFICATIONS SET FORTH BY THE EXECUTIVE DIRECTOR.

24. FOR RESIDENTIAL BUILDINGS, SUCH INFORMATION SHALL BE CONTAINED IN A FOLDER OR MANUAL WHICH PROVIDES ALL CERTIFICATE OF COMPLIANCE, CERTIFICATE OF INSTALLATION, AND CERTIFICATE OF VERIFICATION DOCUMENTATIONS. THIS OPERATING INFORMATION SHALL BE IN PAPER OR ELECTRONIC FORMAT. [10-103(B)(2)]

25. MAINTENANCE INFORMATION: THE BUILDER SHALL PROVIDE TO THE BUILDING OWNER AT OCCUPANCY, MAINTENANCE INFORMATION, INCLUDING MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING. MAINTENANCE INFORMATION SHALL INCLUDE ROUTINE MAINTENANCE ACTIONS THAT ARE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING, BY TITLE AND/OR PUBLICATION NUMBER, THE OPERATION AND MAINTENANCE MANUAL FOR THAT PARTICULAR MODEL AND TYPE OF FEATURE, MATERIAL, COMPONENT OR MANUFACTURED DEVICE. [10-103(B)(3)]

26. VENTILATION INFORMATION: THE BUILDER SHALL PROVIDE TO THE BUILDING OWNER AT OCCUPANCY, A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AIR THAT THE VENTILATION SYSTEM(S) ARE DESIGNED TO PROVIDE TO THE BUILDING'S CONDITIONED SPACE, AND INSTRUCTIONS FOR PROPER OPERATION AND MAINTENANCE OF THE VENTILATION SYSTEM. [10-103(B)(4)]

27. ALL SYSTEMS, EQUIPMENT, APPLIANCES AND BUILDING COMPONENTS SHALL COMPLY WITH THE APPLICABLE MANUFACTURING, CONSTRUCTION, AND INSTALLATION PROVISIONS OF SECTIONS 110.0 THROUGH 110.11 FOR NEWLY CONSTRUCTED BUILDINGS.

28. ANY APPLIANCE REGULATED BY THE APPLIANCE EFFICIENCY REGULATIONS, TITLE 24 CALIFORNIA CODE OF REGULATIONS, SECTION 1601 ET SEQ., MAY BE INSTALLED ONLY IF THE APPLIANCE FULLY COMPLIES WITH SECTION 1608(A) OF THOSE REGULATIONS. [110.1(A)]

29. SERVICE WATER-HEATING SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC TEMPERATURE CONTROLS CAPABLE OF ADJUSTMENT FROM THE LOWEST TO THE HIGHEST ACCEPTABLE TEMPERATURE SETTINGS FOR THE INTENDED USE AS LISTED IN TABLE 3, CHAPTER 50 OF THE ASHRAE HANDBOOK, HVAC APPLICATIONS VOLUME. [110.3(A)(1)]

30. ON SYSTEMS THAT HAVE A TOTAL CAPACITY GREATER THAN 167,000 BTU/Hr, OUTLETS THAT REQUIRE HIGHER THAN SERVICE WATER TEMPERATURES AS LISTED IN THE ASHRAE HANDBOOK, APPLICATIONS VOLUME, SHALL HAVE SEPARATE REMOTE HEATERS, HEAT EXCHANGERS, OR BOOSTERS TO SUPPLY THE OUTLET WITH THE HIGHER TEMPERATURE. [110.3(C)(1)]

31. SERVICE HOT WATER SYSTEMS WITH CIRCULATING PUMPS OR WITH ELECTRICAL HEAT TRACE SYSTEMS SHALL BE CAPABLE OF AUTOMATICALLY TURNING OFF THE SYSTEM. [110.3(C)(2)]

32. CONTROLS FOR SERVICE WATER-HEATING SYSTEMS SHALL LIMIT THE OUTLET TEMPERATURE AT PUBLIC LAVATORIES TO 110°F. [110.3(C)(3)]

33. UNFIRED SERVICE WATER-HEATER STORAGE TANKS AND BACKUP TANKS FOR SOLAR WATER-HEATING SYSTEMS SHALL HAVE:
A. EXTERNAL INSULATION WITH AN INSTALLED R-VALUE OF AT LEAST R-12, OR
B. INTERNAL AND EXTERNAL INSULATION WITH A COMBINED R-VALUE OF AT LEAST R-16, OR
C. THE HEAT LOSS OF THE TANK SURFACE BASED ON AN 80°f WATER-AIR TEMPERATURE DIFFERENCE SHALL BE LESS THAN 6.5 BTU/hr PER SQUARE FOOT. [110.3 (C)(4)]

34. FOR NONRESIDENTIAL, HIGH-RISE RESIDENTIAL, AND HOTEL/MOTEL BUILDINGS, SPACE CONDITIONING SYSTEMS SHALL MEET THE EFFICIENCY STANDARDS SPECIFIED SECTION 120.2.

35. CONTINUOUSLY BURNING PILOT LIGHT SHALL BE PROHIBITED FOR THE FOLLOWING NATURAL GAS SYSTEM OR EQUIPMENT LISTED BELOW: [110.5]
A. FAN-TYPE CENTRAL FURNACES
B. HOUSEHOLD COOKING APPLIANCES, EXCEPT FOR HOUSEHOLD COOKING APPLIANCES WITHOUT AN ELECTRICAL SUPPLY VOLTAGE CONNECTION AND IN WHICH EACH PILOT CONSUMES LESS THAN 150 BTU/Hr
C. POOL HEATERS
D. SPA HEATERS

GENERAL NOTES:

1. ANY POOL OR SPA HEATING SYSTEM OR EQUIPMENT SHALL: [110.4]
A. A THERMAL EFFICIENCY THAT COMPLIES WITH THE APPLIANCE EFFICIENCY REGULATIONS
B. HAVE A HIGH, MODERATE ACCESSIBILITY OR DRIFT SWITCH MOUNTED ON THE SIDE OF THE HEATER THAT ALLOWS SHUTTING OFF THE HEATER WITHOUT ADJUSTING THE THERMOSTAT SETTING.
C. NOT UTILIZE ELECTRIC RESISTANCE HEATING.
D. HAVE A COVER FOR OUTDOOR POOLS OR SPAS THAT HAVE A HEAT PUMP OR GAS HEATER.
E. HAVE A PERMANENT, EASILY READABLE, AND WEATHERPROOF INSTRUCTION CARD THAT GIVES INSTRUCTIONS FOR THE ENERGY EFFICIENT OPERATION OF THE POOL OR SPA HEATER AND FOR THE PROPER CARE OF POOL OR SPA WATER WHEN A COVER IS USED.
F. HAVE AT LEAST 36 INCHES OF PIPE INSTALLED BETWEEN THE FILTER AND HEATER OR DEDICATED SUCTION AND RETURN LINES, OR BUILT-IN OR BUILT-UP CONNECTIONS SHALL BE INSTALLED TO ALLOW FOR THE FUTURE ADDITION OF SOLAR HEATING EQUIPMENT.
G. HAVE DIRECTIONAL, IN-DOOR OR SPA THAT ADEQUATELY MIX THE POOL WATER.
H. A TIME SWITCH OR SIMILAR CONTROL MECHANISM SHALL BE INSTALLED AS PART OF A POOL WATER CIRCULATION CONTROL SYSTEM THAT WILL ALLOW ALL PUMPS TO BE SET OR PROGRAMMED TO RUN ONLY DURING THE OFF-PEAK ELECTRIC DEMAND PERIOD AND FOR THE MINIMUM TIME NECESSARY TO MAINTAIN THE WATER IN THE CONDITION REQUIRED BY APPLICABLE PUBLIC HEALTH STANDARDS.

2. MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL HAVE AIR INFILTRATION RATES NOT EXCEEDING 0.3 CFM/F2 OF WINDOW AREA, 0.3 CFM/F2 OF RESIDENTIAL DOOR AREA, 0.3 CFM/F2 OF NONRESIDENTIAL SINGLE DOOR AREA, AND 1.0 CFM/F2 OF NONRESIDENTIAL DOUBLE DOOR AREA. [110.6(A)(1)]
FENESTRATION PRODUCTS SHALL BE RATED IN ACCORDANCE WITH NFRC 100 FOR U-FACTOR, NFRC 200 FOR SHGC, AND VT OR USE THE APPLICABLE DEFAULT VALUE. FENESTRATION PRODUCTS SHALL HAVE A MANUFACTURER LABEL FOR MANUFACTURING FENESTRATION PRODUCTS OR A LABEL CERTIFICATE WHEN THE COMPONENT MODELING APPROACH IS USED AND FOR SITE-BUILT FENESTRATION MEETING THE REQUIREMENTS OF SECTION 10-111(A)(1), [110.6(A)(2), 110.6(A)(3), 110.6(A)(4), 110.6(A)(5)]
FIELD-FABRICATED FENESTRATION PRODUCTS AND EXTERIOR DOORS, OTHER THAN UNFRAMED GLASS DOORS AND FIRE DOORS, SHALL BE CAULKED BETWEEN THE FENESTRATION PRODUCTS OR EXTERIOR DOOR AND THE BUILDING, AND EACH JOINT STRIPPED. [110.6(B)]
JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER STRIPPED, OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION. [110.7]
INSULATION SHALL BE CERTIFIED BY DEPARTMENT OF CONSUMER AFFAIRS, BUREAU OF HOME FURNISHING AND THERMAL INSULATION THAT THE INSULATION CONDUCTIVE THERMAL PERFORMANCE IS APPROVED PURSUANT TO THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 12, CHAPTER 12-13, ARTICLE 3, "STANDARDS FOR INSULATING MATERIAL." [110.8(A)]
UREA FORMALDEHYDE FOAM INSULATION MAY ONLY BE USED IN EXTERIOR SIDE WALLS, AND REQUIRES A FOUR-MIL-THICK PLASTIC POLYETHYLENE VAPOR BARRIER BETWEEN THE UREA FORMALDEHYDE FOAM INSULATION AND THE INTERIOR SPACE IN ALL APPLICATIONS. [110.8(B)]
INSULATING MATERIAL SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF THE CBC. [110.8(C)]
INSULATION INSTALLED ON AN EXISTING SPACE CONDITIONING DUCT, IT SHALL COMPLY WITH SECTION 604.0 OF THE CBC. [110.8(D)]
EXTERNAL INSULATION INSTALLED ON AN EXISTING UNFIRED WATER STORAGE TANK OR ON AN EXISTING BACK-UP TANK FOR A SOLAR WATER-HEATING SYSTEM, IT SHALL HAVE AN R-VALUE OF AT LEAST R-12, OR THE HEAT LOSS OF THE TANK SURFACE BASED ON AN 80 °F WATER-AIR TEMPERATURE DIFFERENCE SHALL BE LESS THAN 6.5 BTU PER HOUR PER SQUARE FOOT. [110.8(D)(2)]

BUILDING NOTES:

1. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOKUP. THE CONSTRUCTION SHALL NOT RESTRICT ACCESS TO ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
2. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE R

PROJECT INFO	
JOB NUMBER:	25051
DATE DRAWN:	09/16/26
DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	N.T.S.

MEANS OF EGRESS:													
1.	PROVIDE EMERGENCY EGRESS FROM SLEEPING ROOMS. SHOW DETAILS ON PLANS. MINIMUM - 24" CLEAR HEIGHT, 20" CLEAR WIDTH, 5.7 SF MINIMUM AREA (5.0 SF AT GRADE LEVEL) & 44" MAXIMUM TO SILL. (R310.1)												
2.	SHOW ON PLANS THAT THE ENTRY/EXIT DOOR MUST OPEN OVER A LANDING NOT MORE THAN 1.5' BELOW THE THRESHOLD. EXCEPTION: PROVIDING THE DOOR DOES NOT SWING OVER THE LANDING. LANDING SHALL BE NOT MORE THAN 7.75' BELOW THE THRESHOLD. STORM AND SCREEN DOORS ARE PERMITTED TO SWING OVER ALL EXTERIOR STAIRS AND LANDINGS. (R311.3.1)												
3.	SHOW THE FOLLOWING STAIRWAY DETAILS ON PLANS: A. 7.75" MAXIMUM RISE & MINIMUM 10" RUN. (R311.7.5) B. MINIMUM 6'-8" HEADROOM CLEARANCE. (R311.7.2) C. MINIMUM 36" CLEAR WIDTH. (R311.7.1) D. HANDRAILS 34" TO 38" HIGH ABOVE TREAD NOSING (R311.7.8.1) E. HANDGRIP PORTION OF HANDRAIL SHALL NOT BE LESS THAN 1.25" AND NO MORE THAN 2" CROSS-SECTIONAL DIMENSION HAVING A SMOOTH SURFACE WITH NO SHARP CORNERS. (R311.7.7.3) F. MAXIMUM 4" CLEAR SPACING OPENING BETWEEN RAILS. (R312.1.3)												
4.	ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2 INCH GYPSUM BOARD. (R302.7)												
5.	ALL INTERIOR AND EXTERIOR STAIRWAYS SHALL BE ILLUMINATED. (R303.7)												
6.	PROVIDE 42" HIGH GUARDS WITH MAXIMUM 4" CLEAR SPACING OPENING BETWEEN RAILS AT (_____). (R312)												
7.	FOR GLASS HANDRAILS AND GUARDS, THE PANELS AND THEIR SUPPORT SYSTEM SHALL BE DESIGNED TO WITHSTAND THE LOADS SPECIFIED IN CHAPTER 16 OF 2014 IBC. A SAFETY FACTOR OF FOUR SHALL BE USED. THE MINIMUM NOMINAL THICKNESS OF THE GLASS SHALL BE 1/4 INCH. (2407)												
WATER EFFICIENCY & CONSERVATION:													
1.	THE PROJECT SHALL DEMONSTRATE A 2-% REDUCTION IN WATER USE BY SPECIFYING PLUMBING FIXTURES AND FIXTURES THAT MEET THE FLOW RATES LISTED BELOW, OR THROUGH A CALCULATION SHOWING A 20% REDUCTION FROM BASELINE VALUES LISTED IN CALGREEN TABLE 4.303.1.												
	<table><tr><td>SHOWERHEADS</td><td>2.0 GALLONS PER MINUTE (GPM) 1*</td></tr><tr><td>LAVATORY FAUCET- RESIDENTIAL</td><td>1.5 GPM</td></tr><tr><td>KITCHEN FAUCETS</td><td>1.8 GPM</td></tr><tr><td>WATER CLOSETS</td><td>1.29 GALLONS PER FLUSH 2*</td></tr><tr><td>URINALS</td><td>0.5 GALLON PER FLUSH</td></tr><tr><td>METERING FAUCETS</td><td>0.2 GALLON PER CYCLE</td></tr></table>	SHOWERHEADS	2.0 GALLONS PER MINUTE (GPM) 1*	LAVATORY FAUCET- RESIDENTIAL	1.5 GPM	KITCHEN FAUCETS	1.8 GPM	WATER CLOSETS	1.29 GALLONS PER FLUSH 2*	URINALS	0.5 GALLON PER FLUSH	METERING FAUCETS	0.2 GALLON PER CYCLE
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	NOTES:												
	A. THE COMBINED FLOW RATE OF MULTIPLE SHOWER HEADS SHALL NOT EXCEED THE MAXIMUM FLOW RATE. OR THE SHOWER SHALL BE DESIGNED TO PERMIT ONE SHOWERHEAD TO BE IN OPERATION AT A TIME. B. THE EFFECTIVE FLUSH VOLUME FOR DUAL-FLUSH TOILETS IS DEFINED AS THE COMPOSITE. AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.												
2.	THE FLOW RATES FOR ALL NEW PLUMBING FIXTURES SHALL COMPLY WITH THE MAXIMUM FLOW RATES SPECIFIED IN SECTION 4.303.1" (4.303.1)												
3.	WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS AND/OR OTHER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 2.0 GALLONS PER MINUTE AT 80 PSI. OR THE SHOWER SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWERHEAD TO BE IN OPERATION AT A TIME. (4.303.1.3.2)												
4.	FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION. FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. (STATE ASSEMBLY BILL NO. 1881)												
ENERGY EFFICIENCY:													
1.	A COPY OF THE CONSTRUCTION DOCUMENTS OR A COMPARABLE DOCUMENT INDICATING THE INFORMATION FROM ENERGY CODE SECTIONS 110.10(B) THROUGH 110.10(C) SHALL BE PROVIDED TO THE OCCUPANT.												
MATERIAL CONSERVATION & RESOURCE EFFICIENCY:													
1.	ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS, OR OTHER OPENINGS IN THE SOLE / BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY, OR METAL PLATES. PIPING PRONE TO CORROSION SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 313.0 OF THE LOS ANGELES PLUMBING CODE. (4.406.1)												
2.	MATERIALS DELIVERED TO THE CONSTRUCTION SITE SHALL BE PROTECTED FROM RAIN OR OTHER SOURCES OF MOISTURE.												
3.	AN OPERATION AND MAINTENANCE MANUAL INCLUDING, AT A MINIMUM, THE ITEMS LISTED IN SECTION 4.410.1, SHALL BE COMPLETED AND PLACED IN THE BUILDING AT THE TIME OF FINAL INSPECTION." FORM GRN 6 (4.410.1)												

ENVIRONMENTAL QUALITY:	
1.	PLANS SHALL STATE THAT THE FIREPLACE IS DIRECT-VENT, SEALED COMBUSTION TYPE, ANY INSTALLED WOODSTOVE OR PELLET STOVE SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE A PERMANENT LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS. INCORPORATE MANUFACTURER'S SPECIFICATIONS ONTO PLANS. (4.503.1)
2.	ARCHITECTURAL PAINTS AND COATINGS, ADHESIVES, CAULKS AND SEALANTS SHALL COMPLY WITH THE VOLATILE ORGANIC COMPOUND (VOC) LIMITS LISTED IN TABLES 4.504.1- 4.504.3. (4.504.2.1-4.504.2.3)
3.	ENVIRONMENTAL NOTES: A. THE VOC CONTENT VERIFICATION CHECKLIST, FORM GRN 2, SHALL BE COMPLETED AND VERIFIED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING VOC CONTENT FOR ALL APPLICABLE PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (4.504.2.4) B. ALL NEW CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF THE FOLLOWING: I. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM II. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION 01350 III. NSF/ANSI 140 AT THE GOLD LEVEL IV. SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGE™ GOLD (4.504.3) C. ALL NEW CARPET AND RUG INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PRGRAM. (4.504.3.1) D. 80% OF THE TOTAL AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING: I. CERTIFIED AS A CHPS LOW-EMITTING MATERIAL IN THE CHPS HIGH PERFORMANCE PRODUCTS DATABASE II. CERTIFIED UNDER UL GREENGUARD GOLD III. CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSCORE PROGRAM IV. MEET THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION 01350 (4.504.4) E. NEW HARDWOOD PLYWOOD, PARTICULATE BOARD, AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED IN THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE FORMALDEHYDE LIMITS LISTED IN TABLE 4.504.5. (4.504.5) F. THE FORMALDEHYDE EMISSIONS VERIFICATION CHECKLIST, FORM GRN 3, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING FORMALDEHYDE CONTENT FOR ALL APPLICABLE WOOD PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (4.504.5.1) G. MECHANICALLY VENTILATED BUILDINGS SHALL PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH A MERV 13 FILTER FOR OUTSIDE AND RETURN AIR. FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE. SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL. (4.504.6) H. BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED UNTIL IT IS INSPECTED AND FOUND TO BE SATISFACTORY BY THE BUILDING INSPECTOR. (4.505.3) I. THE HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED AND DESIGNED USING ANSI/ACCAC MANUAL J-2011, ANSI/ACCAC 29-D-2014 OR ASHRAE HANDBOOKS AND HAVE THEIR EQUIPMENT SELECTED IN ACCORDANCE WITH ANSI/ACCAC 3 MANUAL S-2014. (4.507.2)
VERY HIGH FIRE HAZARD SEVERITY ZONE:	
1.	CLASS A ROOF COVERING IS REQUIRED FOR ALL BUILDINGS. WOOD SHAKES AND SHINGLES ARE NOT PERMITTED. (7207.4, 13505)
2.	VALLEY FLASHINGS SHALL BE NOT LESS THAN 0.019-INCH (0.48 MM) (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL INSTALLED OVER A MINIMUM 36-INCH-WIDE (914MM) UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 72 ASTM CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY (705A.3)
3.	ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE CUTTER (705A.4)
4.	(ROOF) (ATTIC) (EXTERIOR) VENTS SHALL RESIST THE INTRUSION OF FLAME AND EMBERS INTO THE ATTIC AREA OF THE STRUCTURE, OR SHALL BE PROTECTED BY CORROSION-RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH 1/4 BINC (6 MM) OPENINGS OR ITS EQUIVALENT. VENTS SHALL NOT BE INSTALLED IN EAVES AND CORNICES (706A.1, 706A.2, 706A.3, 7207.3)
5.	EAVES AND SOFFITS SHALL MEET THE REQUIREMENTS OF SFM 12-7A-3 OR SHALL BE PROTECTED BY IGNITION-RESISTANT MATERIALS OR NONCOMBUSTIBLE CONSTRUCTION ON THE EXPOSED UNDERSIDE (707A.5)
6.	EXTERIOR WALLS SHALL BE APPROVED NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIAL, HEAVY TIMBER, OR LOG WALL CONSTRUCTION OR SHALL PROVIDE PROTECTION FROM THE INTRUSION OF FLAMES AND EMBERS IN ACCORDANCE WITH STANDARD SFM 12-7A-1 (707A.3)
7.	EXTERIOR WALLS SHALL EXTEND FROM THE TOP OF FOUNDATION TO THE ROOF, AND TERMINATE AT 2-INCH (50.8 MM) NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN THE CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE (704A.3.2)
8.	EXTERIOR WINDOWS, WINDOW WALLS, GLAZE DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING- GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE, OR GLASS BLOCK UNITS, OR HAVE A FIRE- RESISTANCE RATING OF NOT LESS THAN 20 MINUTES, WHEN TESTED ACCORDING TO NFPA 257, OR CONFORM TO THE PERFORMANCE REQUIREMENTS OF SFM 12-7A-2 (708A.2.1)
9.	EXTERIOR DOOR ASSEMBLIES SHALL CONFORM TO THE PERFORMANCE REQUIREMENTS OF STANDARD SFM 12-7A-1 OR SHALL BE APPROVED NONCOMBUSTIBLE CONSTRUCTION (NO, SOLID CORE WOOD HAVING STILES AND RAILS NOT LESS THAN 1 3/8 INCHES THICK WITH INTERIOR FIELD PANEL THICKNESS NO LESS THAN 1-1/4 INCHES THICK, OR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO ASHRA 252, (EXCEPTION: NONCOMBUSTIBLE OR EXTERIOR FIRE-RETARDANT TREATED WOOD VEHICLE ACCESS DOORS) (708A.3)
10.	DECKING, SURFACES, STAIR TREADS, RISERS, AND LANDINGS OF DECKS, PORCHES, AND BALCONIES WHEN ANY PORTION OF SUCH SURFACE IS WITHIN 10 FEET (3048 MM) OF THE PRIMARY STRUCTURE SHALL BE CONSTRUCTED OF HEAVY TIMBER, NON COMBUSTIBLE OR OTHER APPROVED MATERIALS PER SEC.709A.3
11.	THE UNDERSIDE OF CATHEDRALED AND OVERHANGING APPENDICES AND FLOOR PROJECTIONS SHALL MAINTAIN THE IGNITION- RESISTANT INTERIOR OF EXTERIOR WALLS, OR THE PROJECTION SHALL BE ENCLOSED TO THE GRADE (707A.8)
12.	BUILDINGS SHALL HAVE ALL UNDERFLOOR AREAS COMPLETELY ENCLOSED TO THE GRADE WITH CONSTRUCTION AS REQUIRED FOR EXTERIOR WALLS (707A.8, 7207.1)
13.	ALL UTILITIES, PIPES, FURNACES, WATER HEATERS OR OTHER MECHANICAL DEVICES LOCATED IN AN EXPOSED UNDER-FLOOR AREA OF A RESIDENTIAL BUILDING SHALL BE ENCLOSED WITH MATERIALS AS REQUIRED FOR 1-HOUR FIRE-RESISTIVE CONSTRUCTION (7207.2)
14.	THE SPACE BETWEEN THE ROOF COVERING AND ROOF DECKING SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS AND BE FIRE STOPPED PER 705A.2.
15.	NO TRELLIS IS PERMITTED WITHIN 10 FEET OF THE PRIMARY STRUCTURE.
16.	TRELLIS MORE THAN 10 FEET FROM THE PRIMARY STRUCTURE SHALL BE CONSTRUCTED OF HEAVY TIMBER OR NON COMBUSTIBLE MATERIALS. MINIMUM OF 4 INCHES SPACING IS REQUIRED BETWEEN THE MEMBERS. (INFORMATION BULLETIN NO. P/CB 2020-023).
17.	VISIT https://osfm.fire.ca.gov/divisions/fire-engineering-and-investigations/building-materials-listing/bml-search-building-materials LISTING TO SEARCH THE CALIFORNIA STATE FIRE MARSHAL DIRECTORY OF BUILDING MATERIAL LISTINGS.
SOUND TRANSMISSION:	
1.	ALL RIGID CONDUITS, DUCTS, PLUMBING PIPES, AND APPLIANCE VENTS LOCATED IN SOUND ASSEMBLIES SHALL BE ISOLATED FROM THE BUILDING CONSTRUCTION BY MEANS OF RESILIENT SLEEVES, MOUNTS, OR A MINIMUM 1/4" THICK APPROVED RESILIENT MATERIAL.
2.	PENETRATIONS INTO SOUND RATED PARTITIONS OR FLOOR-CEILING ASSEMBLIES SHALL BE SEALED, LINED, OR INSULATED WITH AN APPROVED PERMANENT RESILIENT SEALANT.
3.	AN APPROVED PERMANENT AND RESILIENT ACOUSTICAL SEALANT SHALL BE PROVIDED ALONG THE JOINT BETWEEN THE FLOOR AND THE SEPARATION WALLS
4.	CARPETS OR SIMILAR SURFACE MATERIAL WHICH ARE PART OF THE FLOOR CEILING ASSEMBLY MUST BE INSTALLED AND INSPECTED BEFORE THE CERTIFICATE OF OCCUPANCY IS ISSUED AND MAY BE REPLACED ONLY BY OTHER FLOOR COVERING THAT PROVIDES THE REQUIRED IMPACT SOUND INSULATION.
5.	METAL VENTILATING AND CONDITIONED AIR DUCTS LOCATED IN SOUND ASSEMBLIES SHALL BE LINED. (EXCEPTION: DUCTS SERVING ONLY EXIT WAYS, KITCHEN COOKING FACILITIES, AND BATHROOMS NEED NOT BE LINED)
6.	MINERAL FIBER INSULATION SHALL BE INSTALLED IN JOIST SPACES WHENEVER PLUMBING PIPING OR DUCTS PENETRATES A FLOOR CEILING ASSEMBLY OR WHERE SUCH UNIT PASSES THROUGH THE PLANE OF THE FLOOR CEILING ASSEMBLY FROM WITHIN A WALL. THE INSULATION SHALL BE INSTALLED TO A POINT 12 INCHES BEYOND THE PIPE OR DUCT. THIS REQUIREMENT IS NOT APPLICABLE TO FIRE SPRINKLER PIPING, GAS LINES OR ELECTRICAL CONDUITS.
7.	ELECTRICAL OUTLET BOXES IN OPPOSITE FACES OF SEPARATION WALLS SHALL BE SEPARATED HORIZONTALLY BY 24 INCHES AND NOTE THAT BACK AND SIDES OF BOXES WILL BE SEALED WITH 1/8" RESILIENT SEALANT AND THE INSULATION SHALL BE INSTALLED A MAXIMUM OF 12" AND 4 1/2" MINIMUM FROM THE END OF THE PLATE (CIRC 4303.1.6, R602.11.1).
FOUNDATION NOTES:	
1.	CONCRETE FOOTING FOR FOUNDATION SHALL BE 2,500 PSI MIN. (CIRC R402.2, TABLE R402.2)
2.	MINIMUM FOOTING REINFORCEMENT SHALL BE ONE #4 BAR TOP AND BOTTOM (CIRC R403.1.3).
3.	MINIMUM ANCHOR BOLT SIZE AND SPACING SHALL BE 5/8" DIA. AB @ 72" OC., WITH 7" EMBEDMENT, AND 3" X 3" X 1/4" PLATE WASHERS. ANCHOR BOLTS SHALL BE LOCATED A MAXIMUM OF 12" AND 4 1/2" MINIMUM FROM THE END OF THE PLATE (CIRC 4303.1.6, R602.11.1).
INTERIOR ENVIRONMENT:	
1.	PROVIDE 15" MINIMUM BETWEEN THE CENTER OF WATER CLOSET TO ANY SIDE WALL. (CALIF. PLUMB. CODE 407.6)
2.	PROVIDE 24" CLEAR SPACE IN FRONT OF ANY WATER CLOSET. (CALIF. PLUMB. CODE 407.6)
3.	INDOOR AIR QUALITY SHALL BE MAINTAINED AT A LEVEL THAT MEETS THE REQUIREMENTS FOR NATURAL VENTILATION OR WITH MECHANICAL VENTILATION CAPABLE OF 50 CFM EXHAUSTED DIRECTLY TO THE OUTSIDE (R303.3)
4.	HEATER SHALL BE CAPABLE OF MAINTAINING A MINIMUM ROOM TEMPERATURE OF 68F AT A POINT 3 FEET ABOVE THE FLOOR AND 2 FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS AT THE DESIGN TEMPERATURE. (R303.9)

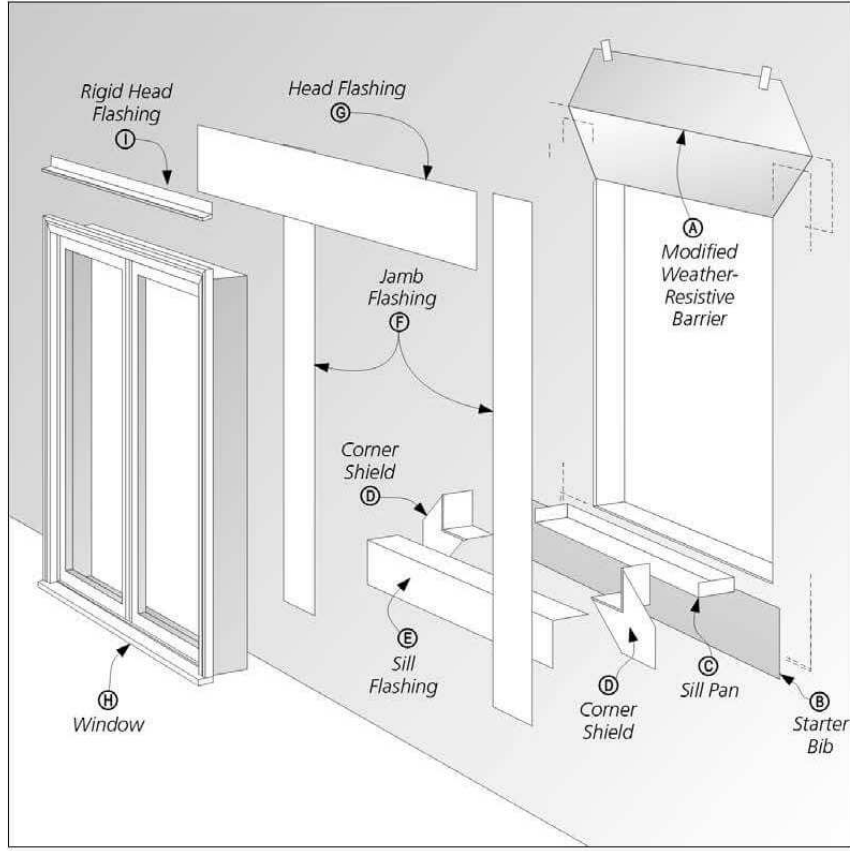
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WOOD WINDOW SILL PAN FLASHING

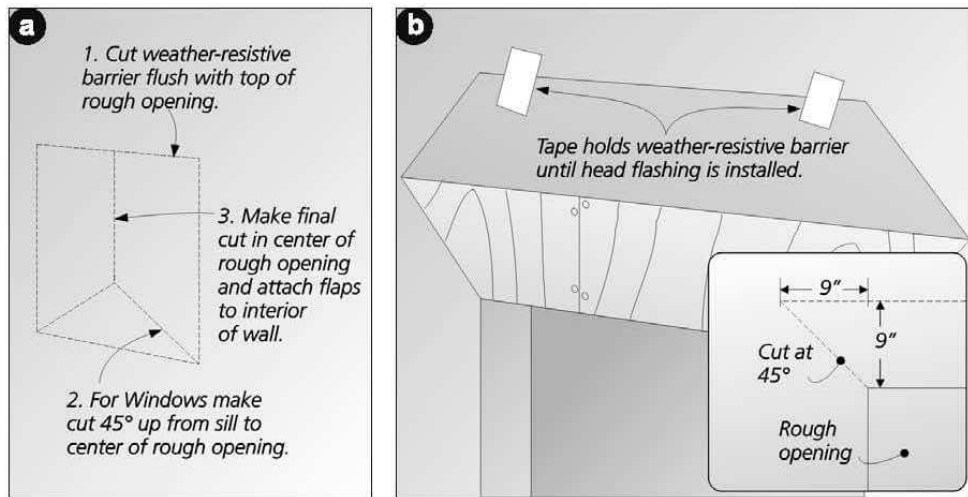
A GUIDE TO INSTALLING SLOPED SILL WOOD WINDOWS

The "Wood Window Sill Pan Flashing" installation guide is designed for wood windows that utilize sloped sills, where the window is installed after the weather-resistive barrier is applied. Fortifiber Building Systems Group provides this installation guide to assist installers by demonstrating an efficient and effective method for exterior window flashing installation. Compliance with the building code and proper installation are critical in reducing potential water leakage points.

- The following Fortifiber products are used in this guide:
- FortiFlash® Self Adhesive Waterproof Flashing Membrane 4, 6, 9, 12, 18 and 36 inch x 75' rolls
 - FortiFlash® Commercial Self Adhesive Waterproof Flashing Membrane 6, 9, 12 and 18 inch x 75' rolls
 - FortiFlash® Butyl Self Adhesive Waterproof Flashing Membrane 4, 6, 9 and 12 inch x 75' rolls
 - Moistop E-Z Seal Self Adhesive Flashing, 6, 9, 12 inch x 75' rolls
 - Moistop neXT® Flashing, 6, 9 and 12 inch x 200' rolls
 - Moistop PF® Flashing, 6, 9, 12 and 18 inch x 300' rolls
 - Moistop Corner Shield®
 - Moistop Sealant
 - Fortifiber Sheeting Tape

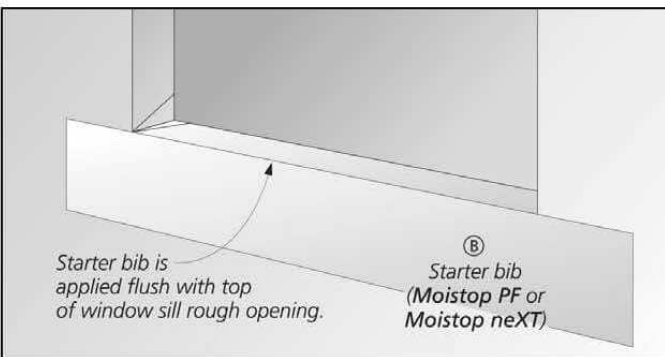


1 MODIFY WEATHER-RESISTIVE BARRIER



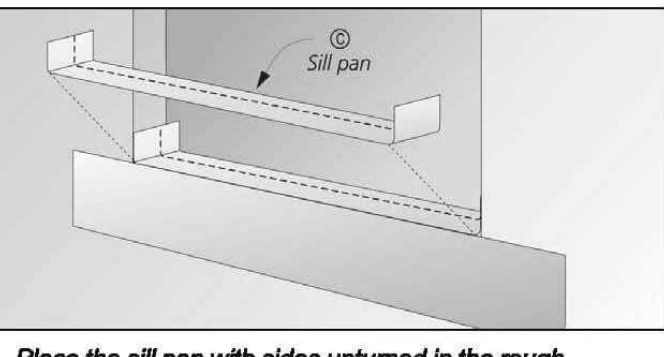
At the rough opening (1a), cut the weather-resistive barrier in an inverted "Y" fashion, and then fasten with the methods show above. To allow for head flashing integration, (1b) make the following diagonal cuts at the top of the rough opening corners. For 9" flashing measure as follows: 9" up and 9" over, (45° angle). Cut on the diagonal from marked point to the rough opening corner. Gently raise the top edge of the weather-resistive barrier and tape the corners and the center to the barrier surface above. This will allow for the installation of the window and the jamb and head flashing later.

2 STARTER BIB

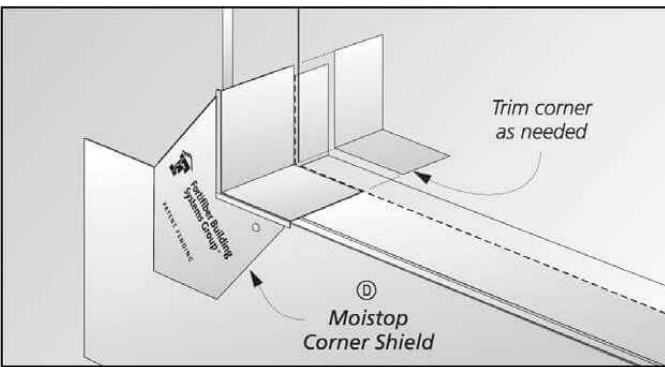


Cut the starter bib to the width of the rough opening plus twice the jamb flashing width, minus 1". Attach the starter bib flush along the bottom of the rough opening.

3 INSTALL SILL PAN

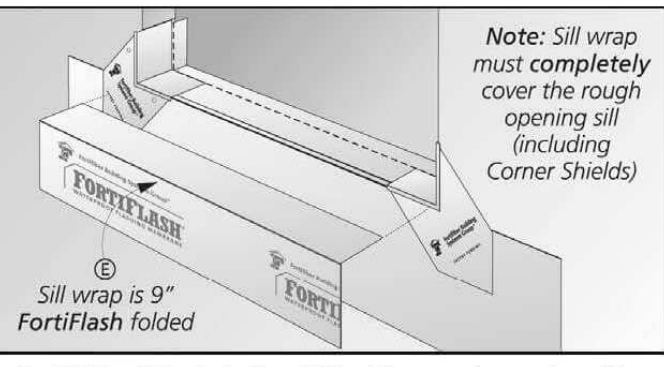


4 SILL CORNERS

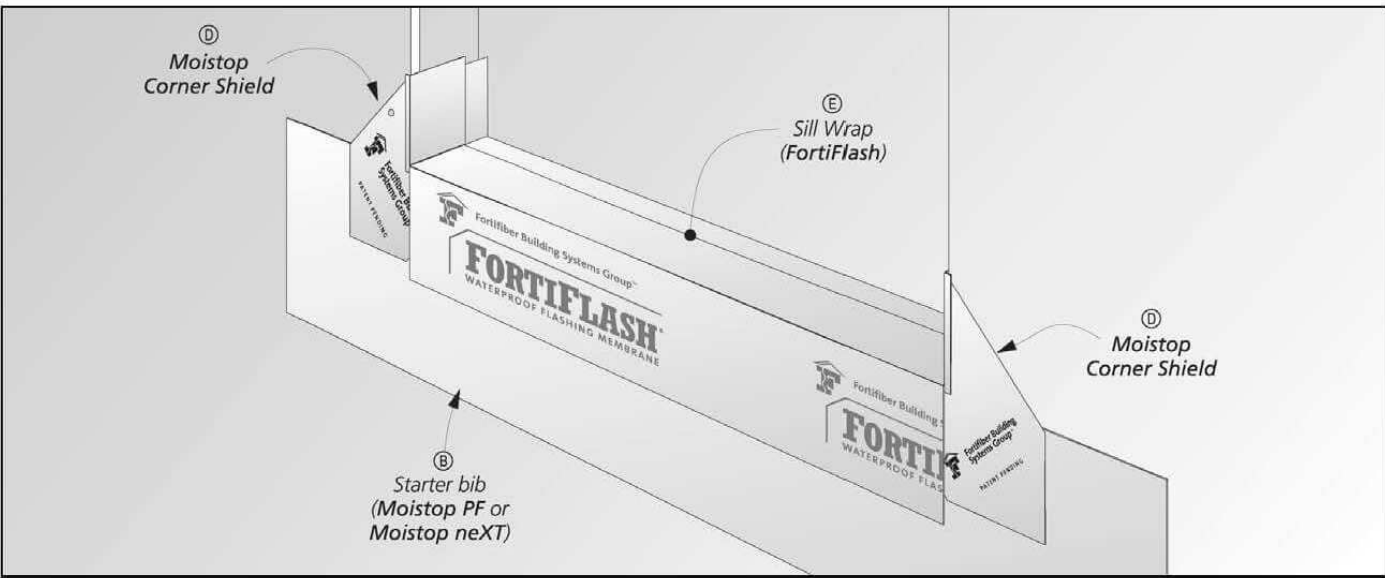


Install Moistop Corner Shield at each corner on top of the sill pan. If necessary, trim the back edge of the sill corners so they do not extend past the sill pan fold line.

5 INSTALL SILL WRAP

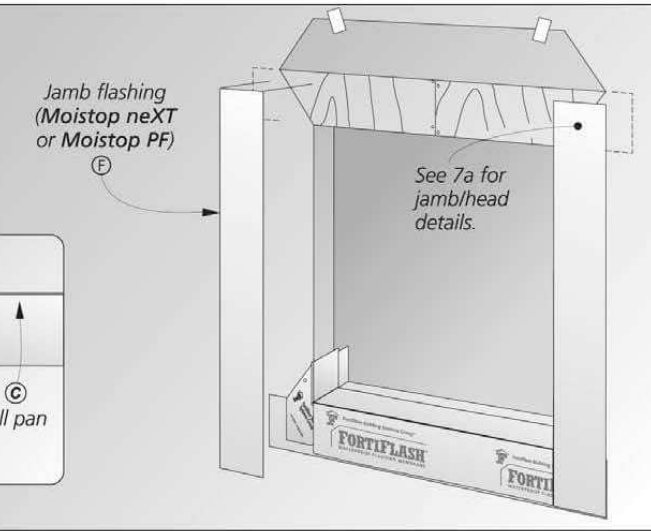
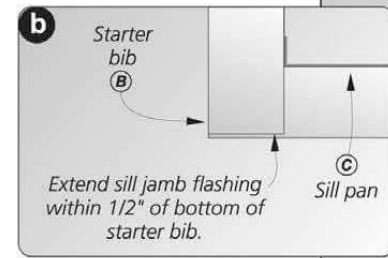
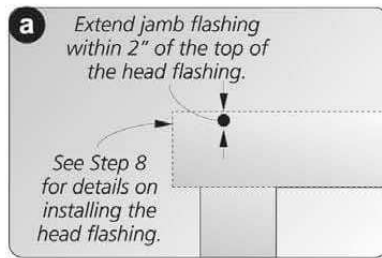


Cut 9" FortiFlash to the width of the rough opening. Align back edge of FortiFlash to the marked fold line of the sill pan and fold over the front of the bib.

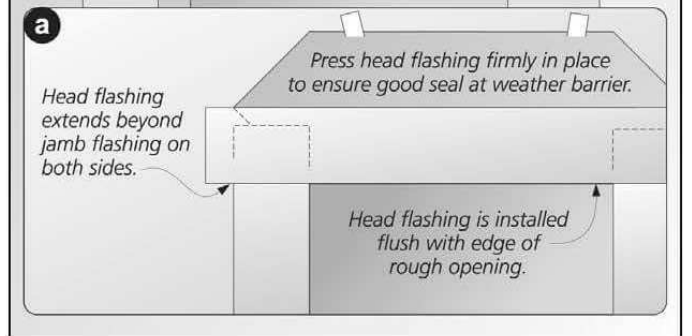
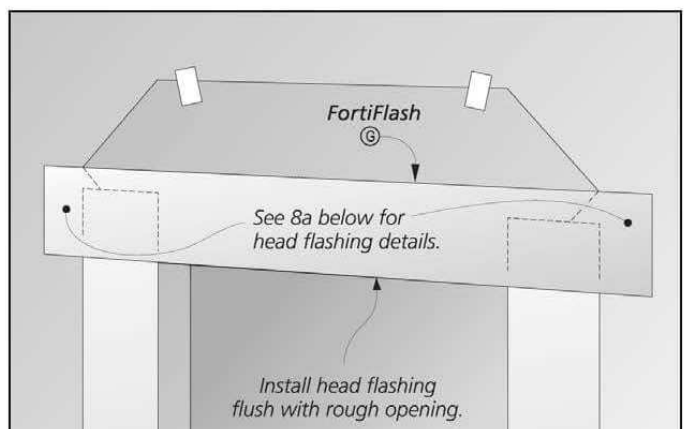


7 INSTALL JAMB FLASHING

Cut the jamb flashing to the height of the rough opening plus 2x the flashing width, minus 1". Align the flashing flush to the edge of the rough opening and within 2" of the top of the head flashing (7a) and 1/2" of the bottom of the starter bib (7b).

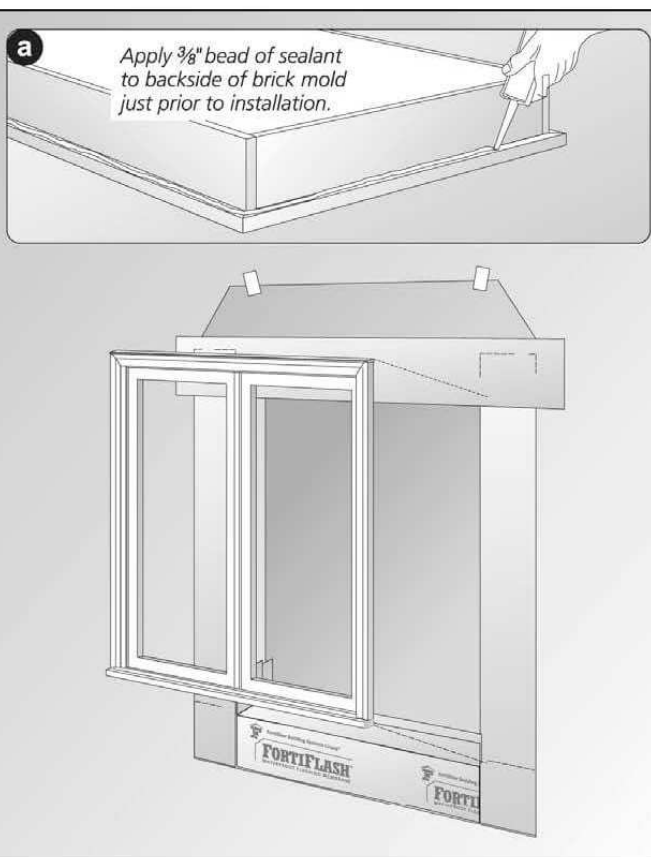


8 HEAD FLASHING

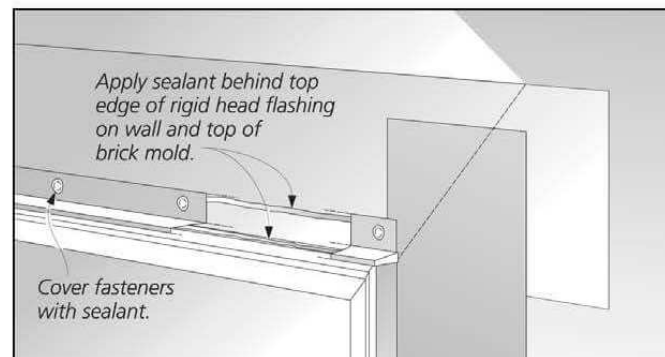


Wipe the jamb flashing, weather-resistive barrier, and sheathing with a clean rag. Cut a piece of flashing to size. Note: the length of the head flashing is the width of the rough opening + 2x the width of the flashing plus 2" (8a). Install the head flashing by pressing firmly in place in one

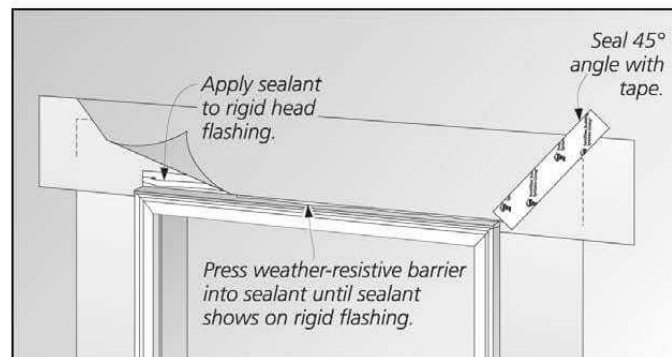
9 INSTALL WINDOW



10 RIGID HEAD FLASHING



Prior to installing the rigid head flashing apply a 3/8" bead of sealant to the top of the brick mold. Then place sealant on the top edge (interior side) of rigid head flashing. Place head flashing over brick mold and fasten with galvanized nails or screws. Apply sealant over these fasteners.



Place a 3/8" bead sealant along the lower portion of the upturned leg of the rigid flashing. This will allow the weather-resistive barrier to be applied in sealant. Finally, allow the flap of the weather-resistive barrier to lay flat over the sealant and rigid head flashing. Press flap into sealant and apply a new piece of sheathing tape over the entire diagonal cut made in the weather resistive barrier and press firmly in place.



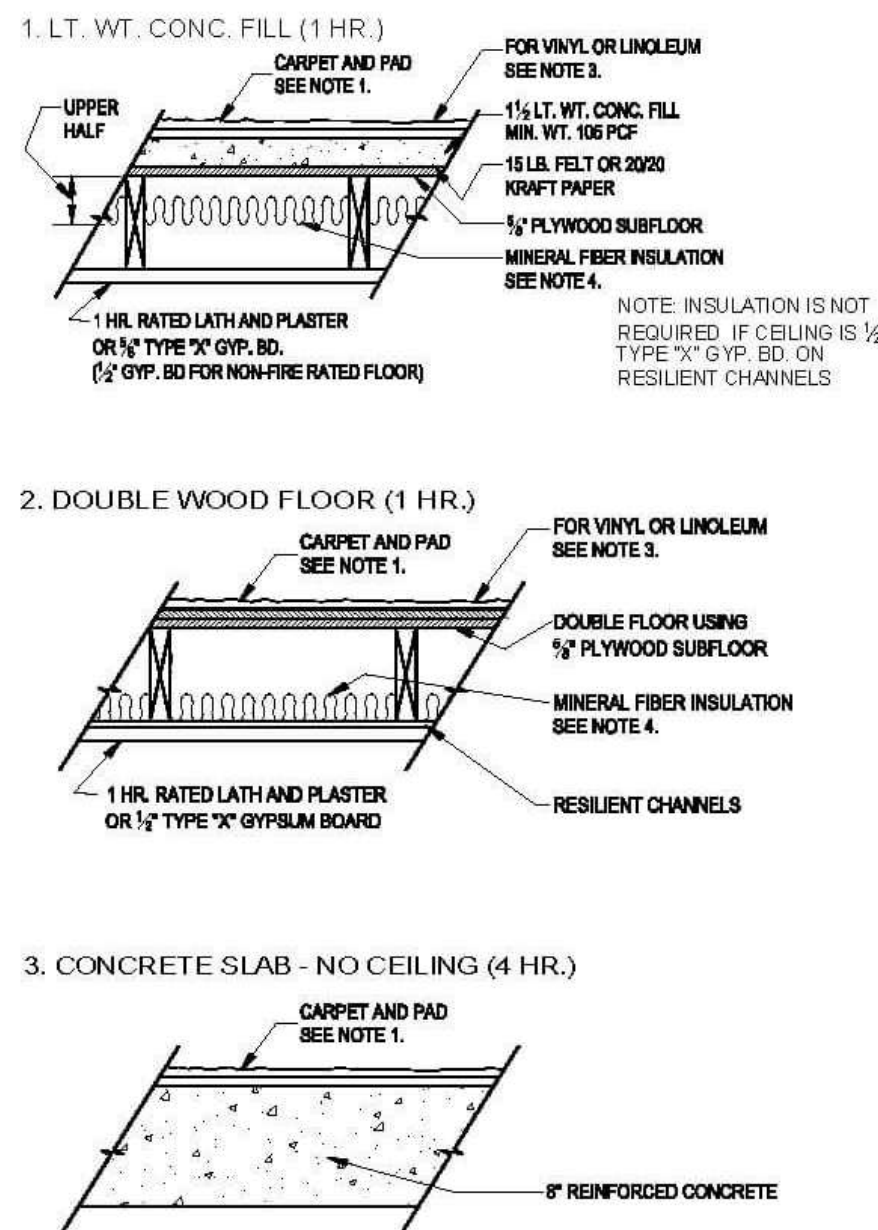
Limitations: For optimum adhesion, FortiFlash, FortiFlash Commercial and Moistop E-Z Seal flashings should be applied at temperatures between 40° F (4.4° C) and 100° F (37.8° C). FortiFlash Butyl may be applied at temperatures between 20° F (-6.7° C) and 100° F (37.8° C). Be cautious about using FortiFlash where it can be exposed to temperatures above its Service Temperature as such use not otherwise indicated may result in failure. FortiFlash products are not compatible with EPDM or flexible (plasticized) Polyvinyl Chloride (PVC) based products. FortiFlash and Moistop E-Z Seal are not compatible with some sealants. Consult with sealant manufacturer for compatibility information. Direct exposure of sealant to the adhesive side of FortiFlash or Moistop E-Z Seal can be detrimental if the amount of sealant extends what is specified above. Please follow these recommendations regarding location and amount of sealant to be used. Fortifiber strongly recommends against the practice of using a "wooddown" bead of sealant or "butting the flange" with sealant, because this amount of sealant is excessive and unnecessary.

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STANDARD SOUND RATED FLOOR - CEILING ASSEMBLIES

STC 50 - IIC 50 FIRE RATING AS SHOWN

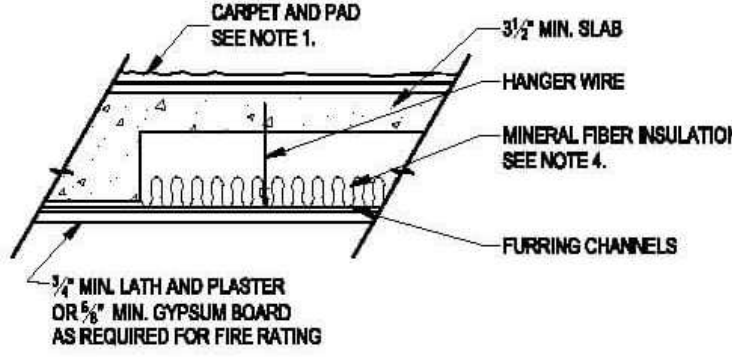


LADBS APPROVAL STAMP

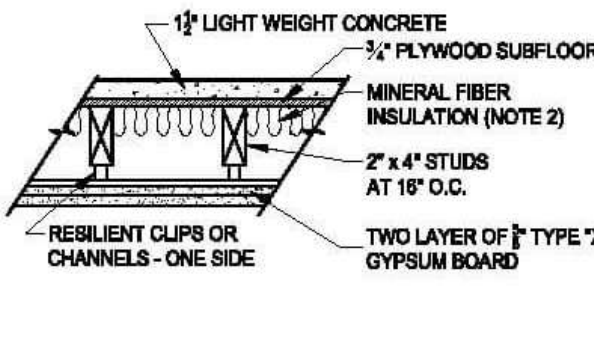
STANDARD SOUND RATED PARTITION ASEMBLIES

STC 50 - FIRE RATING AS SHOWN

4. CONCRETE SLAB - WITH CEILING (2 HR.)



5. LT. WT. CONC. FILL (2 HR.)



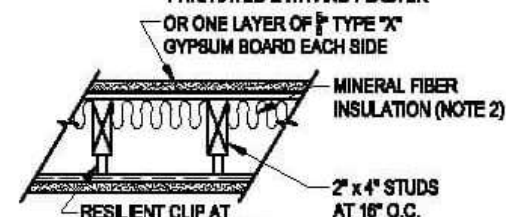
GENERAL NOTES:

- 13 oz. face wt. carpet (31 oz. tot) and 40 oz. jitted pad, or 48 oz. foam rubber, or 3/8" rebounded urethane foam (4 pcf), or 3/2" urethane foam (2.4 pcf).
- Type and spacing of resilient channels and the attachment of channels and gypsum board or lath shall be as required for fire ratings.
- Sheet vinyl and linoleum floor coverings with 1/8" minimum thickness resilient backing may be substituted for carpet and padding in kitchen and bathroom areas, if ceilings are on resilient channels.
- The mineral fiber insulation shall have a thermal resistance R value of 11 or greater as determined by Federal Specification HH-I-521E.

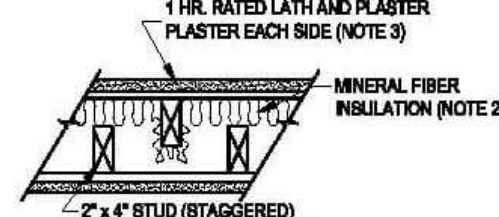
STANDARD SOUND RATED PARTITION ASEMBLIES

STC 50 - FIRE RATING AS SHOWN

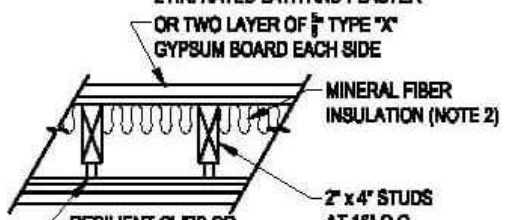
1. 1 HR. FIRE RATING



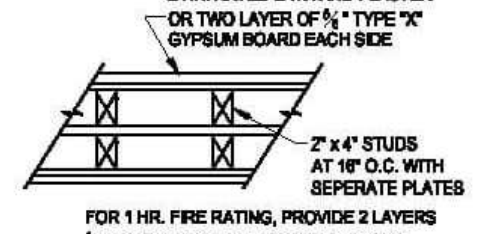
2. 1 HR. FIRE RATING



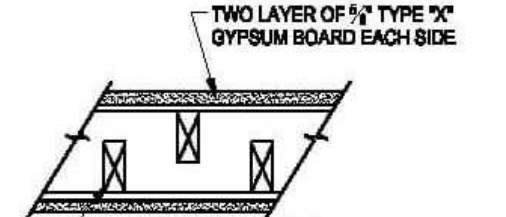
3. 2 HR. FIRE RATING



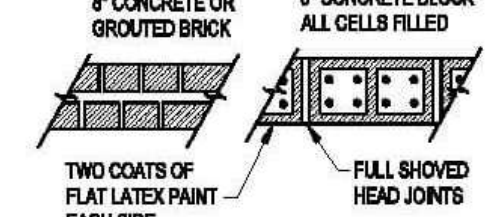
4. 2 HR. FIRE RATING



5. 2 HR. FIRE RATING



6. 2 HR. FIRE RATING



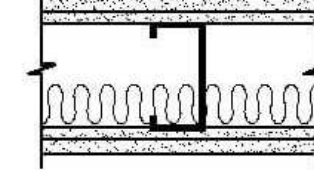
GENERAL NOTES:

- The type and spacing of resilient channels and clips and the attachment of gypsum board or lath shall be as required for fire ratings.
- The mineral fiber insulation shall have a thermal resistance R value of 11 or greater as determined by Federal Specification HH-I-521E.
- No test is on file to justify an STC 50 with one 5/8" type "X" gypsum board each side.

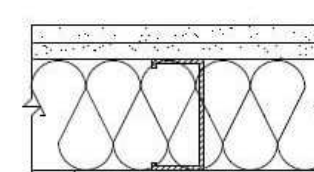
FIRE RATED FLOOR-CEILING ASSEMBLIES USING METAL FRAMING

STC 50 - IIC 50 FIRE RATING AS SHOWN

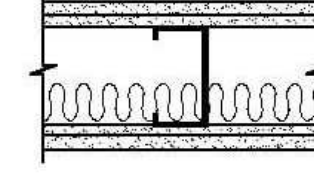
1. ONE HOUR FIRE RATED PARTITION



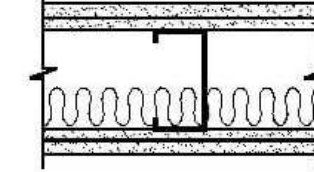
2. ONE HOUR FIRE RATED PARTITION



3. TWO HOUR FIRE RATED PARTITION



4. ONE HOUR FIRE RATED PARTITION



One layer 1/2" type "X" gypsum wallboard or veneer base applied parallel to one side of min. 2 1/2" No. 25 gauge metal studs 24" o.c. with 1" type "S" drywall screws 8" o.c. 2" mineral fiber 2.5 pcf friction fit in stud space. Two layers 1/2" type "X" gypsum wallboard or veneer base applied on other side parallel to studs with 1" type "S" drywall screws 36" o.c. in base layer and 1 5/8" type "S" drywall screws in face layer 12" o.c. stagger joints 24" o.c. each layer and side.

One layer 1/2" Type "X" plain or predecorated gypsum wallboard applied parallel to one side of min. 2 1/2" No. 25 gauge steel studs 24" o.c. with 1" type "S" drywall screws 8" o.c. at vertical joints and 3/8" adhesive beads at intermediate studs. OPPOSITE SIDE: BASE LAYER 1/2" type "X" gypsum wallboard applied parallel to studs with 1" type "S" drywall screws 8" o.c. at vertical joints and 12" o.c. at intermediate studs. FACE LAYER 1/2" type "X" plain or predecorated gypsum wallboard applied parallel to studs with 1 5/8" type "S" drywall screws 8" o.c. at vertical joints and 5/8" adhesive beads at intermediate studs. Joints staggered 24" each layer and side. Sound tested using 1 1/2" mineral fiber insulation friction fit in stud space and all layers screw attached without adhesive.

BASE LAYER 1/2" type "X" gypsum wallboard or veneer base applied parallel to each side of min. 2 1/2" No. 35 gauge metal stud 24" o.c. with 1" type "S" drywall screws 12" o.c. FACE LAYER 1/2" type "X" gypsum wallboard or veneer base applied on each side parallel to studs with 1 5/8" type "S" drywall screws 12" o.c. stagger joints 24" o.c. each layer and side. Sound tested using 1 1/2" mineral fiber in stud space.

Min. 2 1/2" No. 25 gauge metal studs 24" o.c. max. 3/8" type "X" gypsum lath attached to studs each side with 1" self drilling screws, two per panel width per stud. 1/2" gypsum and sand plaster, 1 1/2" mineral fiber insulation 2.5 pcf. Alternate: Attach gypsum lath with resilient clips.

REVISE DATES:

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FLASHING DETAILS & FIRE & SOUND RATED WALLS

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DRAWN BY:	N.S.
CHECKED BY:	A.G.
SCALE:	N.T.S.

A-13



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