

123 N. EIGHT STREET, BURBANK, CA 91502

ARCHITECT  
OR  
ENGINEERS  
STAMP  
IF APPLICABLE

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ARCHITECT: \_\_\_\_\_  
ENGINEER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_  
PHONE: \_\_\_\_\_

# SINGLE FAMILY RESIDENCE

SECTION	MEASURE	REQUIREMENTS	MEASURE PROVIDED ON PLAN SHEET:
PLANNING AND DESIGN (SITE DEVELOPMENT)			
4.106.2	STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION	A PLAN IS DEVELOPED AND IMPLEMENTED TO MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION.	A03
4.106.3	GRADING AND PAVING	CONSTRUCTION PLANS SHALL INDICATE HOW SITE GRADING OR DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER	A03
4.106.4	ELECTRIC VEHICLE (EV) CHARGING FOR NEW CONSTRUCTION	PROVIDE CAPABILITY FOR ELECTRIC VEHICLE CHARGING IN ONE- AND TWO-FAMILY DWELLINGS AND IN TOWNHOUSES WITH ATTACHED PRIVATE GARAGES; AND 3 PERCENT OF	N/A
ENERGY EFFICIENCY			
4.201.1	GENERAL	BUILDING MEETS OR EXCEEDS THE REQUIREMENTS OF THE 2016 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS.	T1 & T3
WATER EFFICIENCY AND CONSERVATION (INDOOR WATER USE)			
4.303.1	WATER CONSERVING PLUMBING FIXTURES AND FITTINGS	PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) INSTALLED IN RESIDENTIAL BUILDINGS SHALL COMPLY WITH REQUIREMENTS	A02
		PLUMBING FIXTURES & FITTINGS	
		WATER CLOSETS	MAXIMUM 1.28 GALLONS/FLUSH
		SHOWERHEADS	1.8 GPM @ 80 PSI
		KITCHEN FAUCETS	1.8 GPM @ 60 PSI
		RESIDENTIAL LAVATORY FAUCETS	1.2 GPM @ 60 PSI MAX. 0.8 GPM @ 20 PSI MIN.
		LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS	0.5 GPM @ 60 PSI
		METERING FAUCETS	0.25 GALLONS/CYCLE
			0.125 GALLONS/FLUSH FOR WALL-MOUNTED TYPE AND 0.5 GALLONS/FLUSH FOR FLOOR-MOUNTED TYPE OR OTHER TYPE
		URINALS	
4.303.2	STANDARDS FOR PLUMBING FIXTURES AND FITTINGS	PLUMBING FIXTURES AND FITTINGS REQUIRED IN SECTION 4.303.1 SHALL BE INSTALLED IN ACCORDANCE WITH THE 2016 CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE REFERENCED STANDARDS.	A02
WATER EFFICIENCY AND CONSERVATION (OUTDOOR WATER USE)			
4.304.1	OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS	AFTER DEC 1, 2015, NEW RESIDENTIAL DEVELOPMENTS WITH AGGREGATE LANDSCAPE AREA EQUAL TO OR GREATER THAN 500 SQUARE FEET SHALL COMPLY WITH ONE OF THE	N/A
		1. A LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWEL0'S, WHICHEVER MORE STRINGENT); OR	N/A
		2. PROJECTS WITH AGGREGATE LANDSCAPE AREA LESS THAN 2,500 SQUARE FEET MAY COMPLY WITH THE MWEL0'S APPENDIX D PRESCRIPTIVE COMPLIANCE OPTION.	N/A
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (ENHANCED DURABILITY & REDUCED MAINTENANCE)			
4.406.1	RODENT PROOFING	ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS, OR OTHER OPENINGS IN PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY.	A02

SECTION	MEASURE	REQUIREMENTS	MEASURE PROVIDED ON PLAN SHEET:
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (CONSTRUCTION WASTE REDUCTION, DISPOSAL & RECYCLING)			
4.408.1	CONSTRUCTION WASTE MANAGEMENT	RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65% OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH ONE OF THE FOLLOWING:	A02
		1. COMPLY WITH A MORE STRINGENT LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE; OR	A02
		2. A CONSTRUCTION WASTE MANAGEMENT PLAN, PER SECTION 4.408.2; OR	A02
		3. A WASTE MANAGEMENT COMPANY, PER SECTION 4.408.3; OR	A02
		4. THE WASTE STREAM REDUCTION ALTERNATIVE, PER SECTION 4.408.4.	A02
MATERIAL CONSERVATION & RESOURCE EFFICIENCY (BUILDING MAINTENANCE & OPERATION)			
4.410.1	OPERATION AND MAINTENANCE MANUAL	AN OPERATION AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OCCUPANT OR OWNER.	A02
		WHERE 5 OR MORE MULTIFAMILY DWELLING UNITS ARE CONSTRUCTED ON A BUILDING SITE, PROVIDE READILY ACCESSIBLE AREAS THAT SERVE ALL BUILDINGS ON THE SITE AND IS IDENTIFIED FOR THE DEPOSITING, STORAGE AND COLLECTION OF NON-HAZARDOUS MATERIALS FOR RECYCLING, INCLUDING (AT A MINIMUM) PAPER, CORRUGATED CARDBOARD, GLASS, PLASTICS, ORGANIC WASTE, AND METALS OR MEET A LAWFULLY ENACTED LOCAL RECYCLING ORDINANCE, IF MORE RESTRICTIVE. SEE EXCEPTION FOR RURAL JURISDICTIONS.	N/A
4.410.2	RECYCLING BY OCCUPANTS		
ENVIRONMENTAL QUALITY (FIREPLACES)			
		ANY INSTALLED GAS FIREPLACE SHALL BE A 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. WOODSTOVES, PELLET STOVES AND FIREPLACES SHALL ALSO COMPLY WITH ALL APPLICABLE LOCAL ORDINANCES.	N/A
4.503.1	GENERAL		
ENVIRONMENTAL QUALITY (POLLUTANT CONTROL)			
	COVERING OF DUCT OPENINGS & PROTECTION OF MECH. EQUIPMENT DURING CONSTRUCTION	DUCT OPENINGS AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED DURING CONSTRUCTION.	A02
4.504.1			
4.504.2.1	ADHESIVES, SEALANTS AND CAULKS	ADHESIVES, SEALANTS AND CAULKS SHALL BE COMPLIANT WITH VOC AND OTHER TOXIC COMPOUND LIMITS.	A02
4.504.2.2	PAINTS AND COATINGS	PAINTS, STAINS AND OTHER COATINGS SHALL BE COMPLIANT WITH VOC LIMITS.	A02
4.504.2.3	AEROSOL PAINTS AND COATINGS	AEROSOL PAINTS AND COATINGS SHALL BE COMPLIANT WITH PRODUCT WEIGHTED MIR LIMITS FOR ROC AND OTHER TOXIC COMPOUNDS.	A02
4.504.2.4	VERIFICATION	DOCUMENTATION SHALL BE PROVIDED TO VERIFY THAT COMPLIANT VOC LIMIT FINISH MATERIALS HAVE BEEN USED.	A02
4.504.3	CARPET SYSTEMS	CARPET AND CARPET SYSTEMS SHALL BE COMPLIANT WITH VOC LIMITS.	A02
4.504.4	RESILIENT FLOORING SYSTEMS	80 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH SPECIFIED VOC CRITERIA.	A02
4.504.5	COMPOSITE WOOD PRODUCTS	PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF) AND HARDWOOD PLYWOOD USED IN THE INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW FORMALDEHYDE EMISSION STANDARDS.	A02

SECTION	MEASURE	REQUIREMENTS	MEASURE PROVIDED ON PLAN SHEET:
ENVIRONMENTAL QUALITY (INTERIOR MOISTURE CONTROL)			
4.505.2	CONCRETE SLAB FOUNDATIONS	VAPOR RETARDER AND CAPILLARY BREAK IS INSTALLED AT SLAB-ON-GRADE FOUNDATIONS.	A02
4.505.3	MOISTURE CONTENT OF BUILDING MATERIALS	MOISTURE CONTENT OF BUILDING MATERIALS USED IN WALL AND FLOOR FRAMING IS CHECKED BEFORE ENCLOSURE.	A02
ENVIRONMENTAL QUALITY (INDOOR AIR QUALITY & EXHAUST)			
4.506.1	BATHROOM EXHAUST FANS	EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING:	A02
		1. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.	A02
		2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.	A02
		A) HUMIDITY CONTROLS SHALL BE CAPABLE OF MANUAL OR AUTOMATIC ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF LESS THAN 50% TO A MAXIMUM OF 80%.	A02
		B) A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL OR BUILT-IN.	A02
		NOTE: FOR THE PURPOSES OF THIS SECTION A BATHROOM IS A ROOM WHICH CONTAINS A BATHTUB, SHOWER, OR TUB/SHOWER COMBINATION. FANS ARE REQUIRED IN EACH BATHROOM.	A02
ENVIRONMENTAL QUALITY (ENVIRONMENTAL COMFORT)			
4.507.2	HEATING AND AIR CONDITIONING SYSTEM DESIGN	DUCT SYSTEMS ARE SIZED, DESIGNED, AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS:	A02
		1. ESTABLISH HEAT LOSS AND HEAT GAIN VALUES ACCORDING TO ANSI/ACCA 2 MANUAL J-2011 (RESIDENTIAL LOAD CALCULATION), OR EQUIVALENT.	A02
		2. SIZE DUCT SYSTEMS ACCORDING TO ANSI/ACCA 1 MANUAL D-2014 (RESIDENTIAL DUCT SYSTEMS), OR EQUIVALENT.	A02
		3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S-2014 (RESIDENTIAL EQUIPMENT SELECTION) OR EQUIVALENT.	A02
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS (QUALIFICATIONS, VERIFICATIONS)			
702.1	INSTALLER TRAINING	HVAC SYSTEM INSTALLERS ARE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS.	A02
702.2	SPECIAL INSPECTION	SPECIAL INSPECTORS MUST BE QUALIFIED AND ABLE TO DEMONSTRATE COMPETENCE TO THE ENFORCING AGENCY IN THE DISCIPLINE IN WHICH THEY ARE INSPECTING.	A02
		VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION, INSPECTION REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH SHOW SUBSTANTIAL CONFORMANCE.	A02
703.1	DOCUMENTATION		
FOOTNOTES:			
1. INDICATE N/A IF NOT APPLICABLE.			
NOTE:			
THIS CHECK LIST IS INTENDED ONLY AS AN AID TO THE USER AND MAY NOT CONTAIN COMPLETE CODE LANGUAGE. REFER TO 2016 CALGREEN CHAPTER 4			





## NOTES

1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/2 the height of the linear barrier. In no case shall the reach length exceed 500'.
2. Place sandbags tightly.
3. Dimension may vary to fit field condition.
4. Sandbag barrier shall be a minimum of 3 bags high.
5. The end of the barrier shall be turned up slope.
6. Cross barriers shall be a min of 1/2 and a max of 2/3 the height of the linear barrier.
7. Sandbag rows and layers shall be staggered to eliminate gaps.

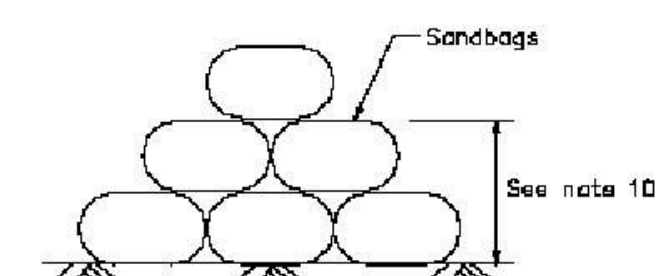


## NOTES

1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear barrier, in no case shall the reach length exceed 500'.
2. The last 8'-0" of fence shall be turned up slope.
3. Stake dimensions are nominal.
4. Dimension may vary to fit field condition.
5. Stakes shall be spaced at 8'-0" maximum and shall be positioned on downstream side of fence.
6. Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
7. Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
8. For and stake, fence fabric shall be folded around stakes one full turn and secured with 4 staples.
9. Minimum 4 staples per stake. Dimensions shown are typical.
10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
11. Maintenance openings shall be constructed in a manner to ensure sediment remains behind all fence.
12. Joining sections shall not be placed at sump locations.
13. Sandbag rows and layers shall be offset to eliminate gaps.



## SECTION C-C

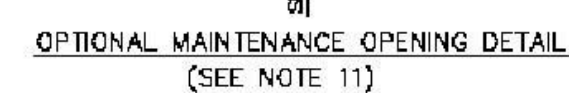


JOINING SECTION DETAIL (TOP VIEW)

END STAKE DETAIL (TOP VIEW)



STAPLE DETAIL



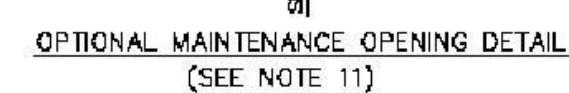
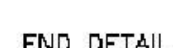
END DETAIL



## SECTION C-C



END DETAIL



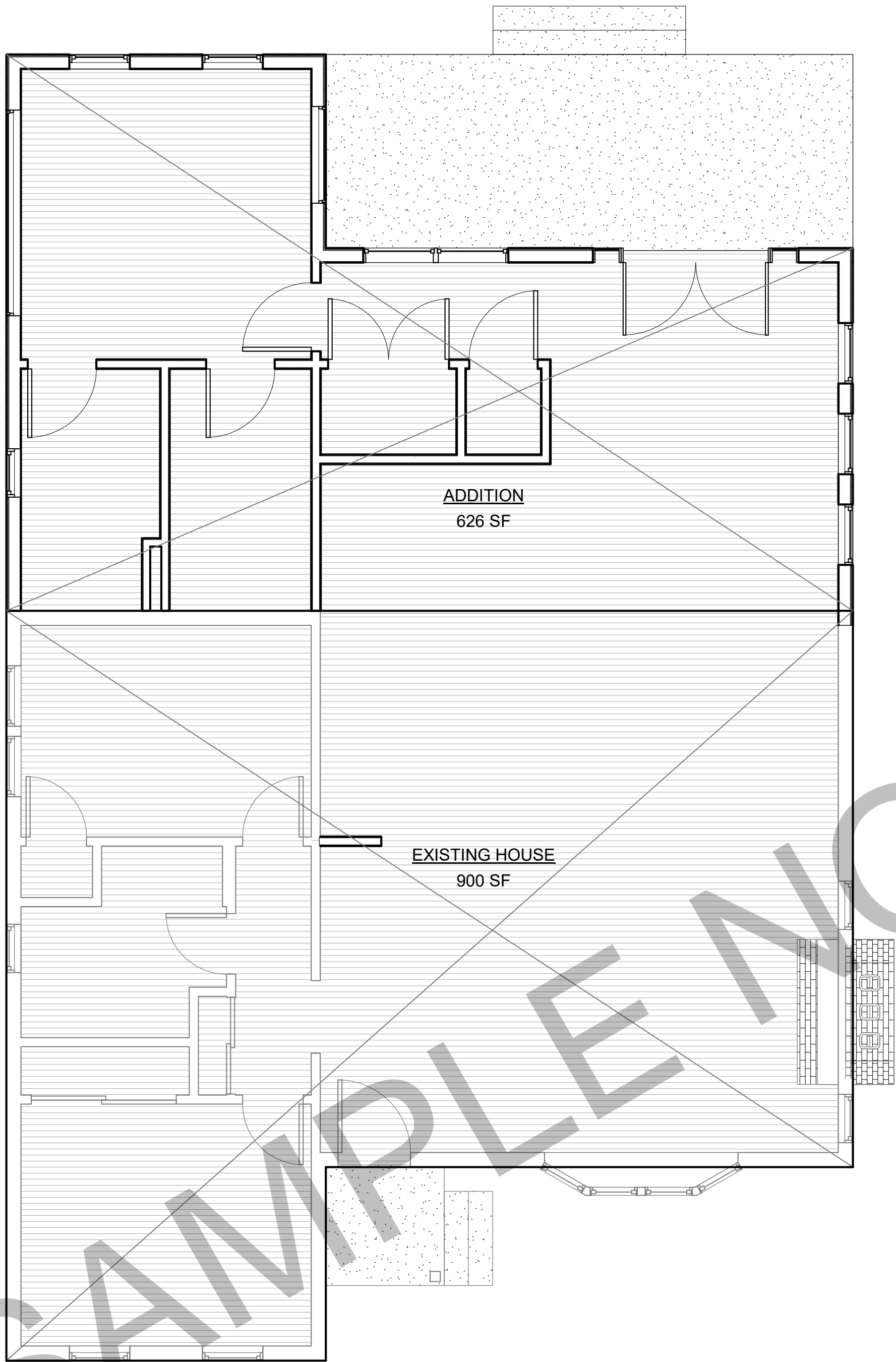
A2 SILT FENCE

EXISTING LANDSCAPE	-	1144.32 SF
EXISTNG HARDSCAPE	-	235.63 SF
<b>HARDSCAPE/LANDSCAPE %</b>	-	<b>235.63/1144.63 = 0.206</b>

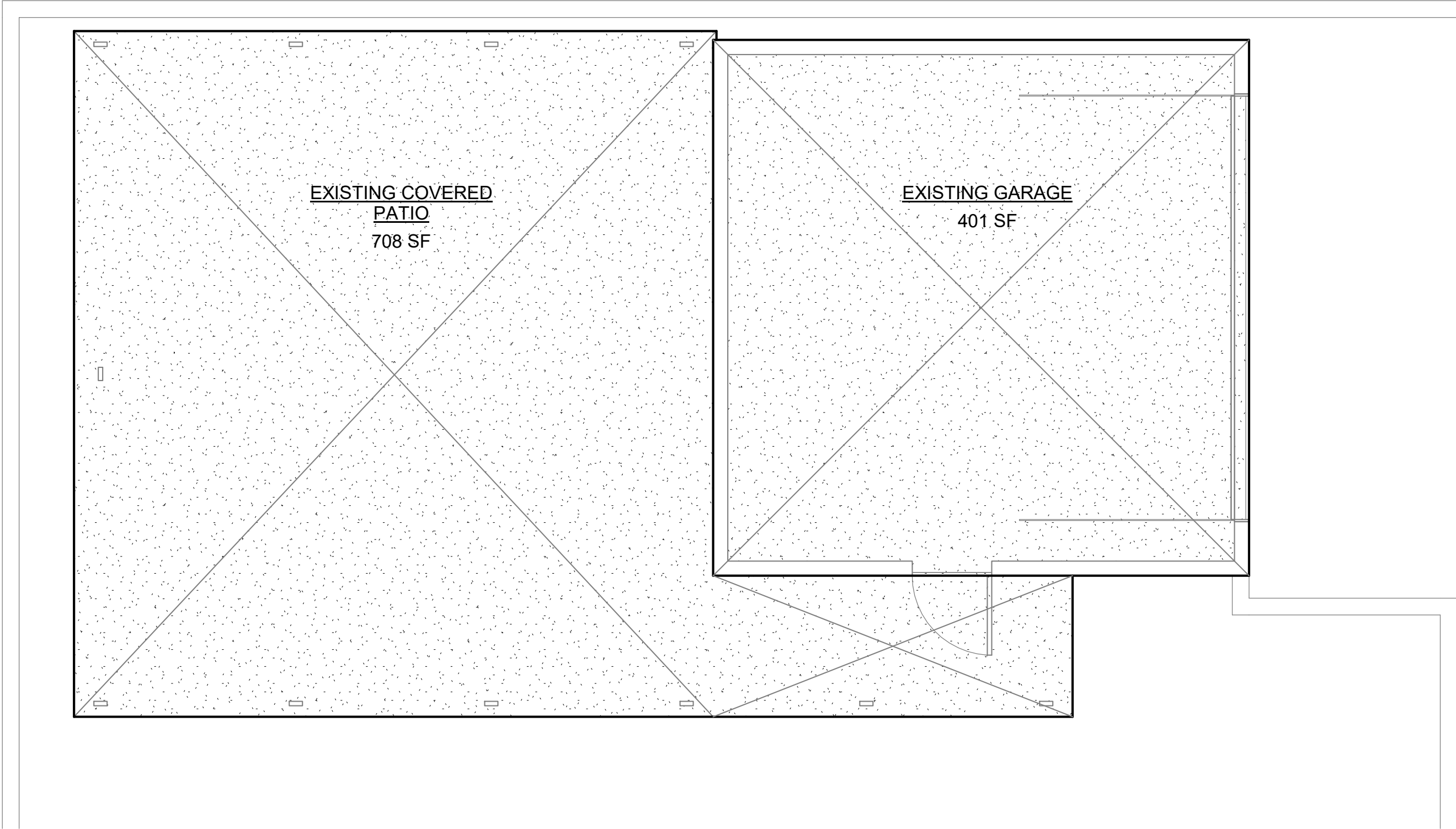


LOT & FLOOR AREA RATIO CALCULATION

AREA	SQ FT	LOT	F.A.R.
(E) GARAGE	401 SF	X	
(E) HOUSE	900 SF	X	X
(E) COVERED PATIO	708 SF	X	X
NEW ADDITION	626 SF	X	X
TOTAL		2,651 SF	2,250 SF
LOT RATIO	-	2,635 SF / 7,425 SF = 0.35%	
F.A.R.	-	2,234 SF / 7,425 SF = 0.30%	



2 FIRST FLOOR PLAN  
scale: 1/4" = 1'-0"



1 GARAGE AREA  
scale: 1/4" = 1'-0"

RESIDENTIAL DEMOLITION NOTE:  
PARTIAL DEMOLITION OF A RESIDENTIAL STRUCTURE IN ASSOCIATION WITH A CONSTRUCTION PROJECT IS ONLY PERMITTED WHERE INDICATED ON THE APPROVED PLANS. ANY DEMOLITION WORK BEYOND THAT SHOWN ON THE APPROVED PLANS MAY RESULT IN A STOP WORK ORDER (CBC APPENDIX CHAPTER 1 SEC. 113.2) AND/OR REVOCATION OF THE PERMIT (CBC APPENDIX CHAPTER 1 SEC. 105.6). ADDITIONAL DEMOLITION WORK MAY ALSO REQUIRE COMPLIANCE WITH BURBANK MUNICIPAL CODE SEC. 10-1-1810 IF MORE THAN 50% OF THE STRUCTURE IS DEMOLISHED.

DEMOLITION CALCULATION

TOTAL EXISTING WALLS:

FIRST FLOOR		
H1	-	35.00
H2	-	12.00
H3	-	4.38
H4	-	3.33
H5	-	10.79
H6	-	6.96
H7	-	1.54
H8	-	12.00
H9	-	22.40
H10	-	13.21
V1	-	29.79
V2	-	4.08
V3	-	2.13
V4	-	10.29
V5	-	7.40
V6	-	21.79
V7	-	9.79
V8	-	2.81
V9	-	21.79
TOTAL		231.48

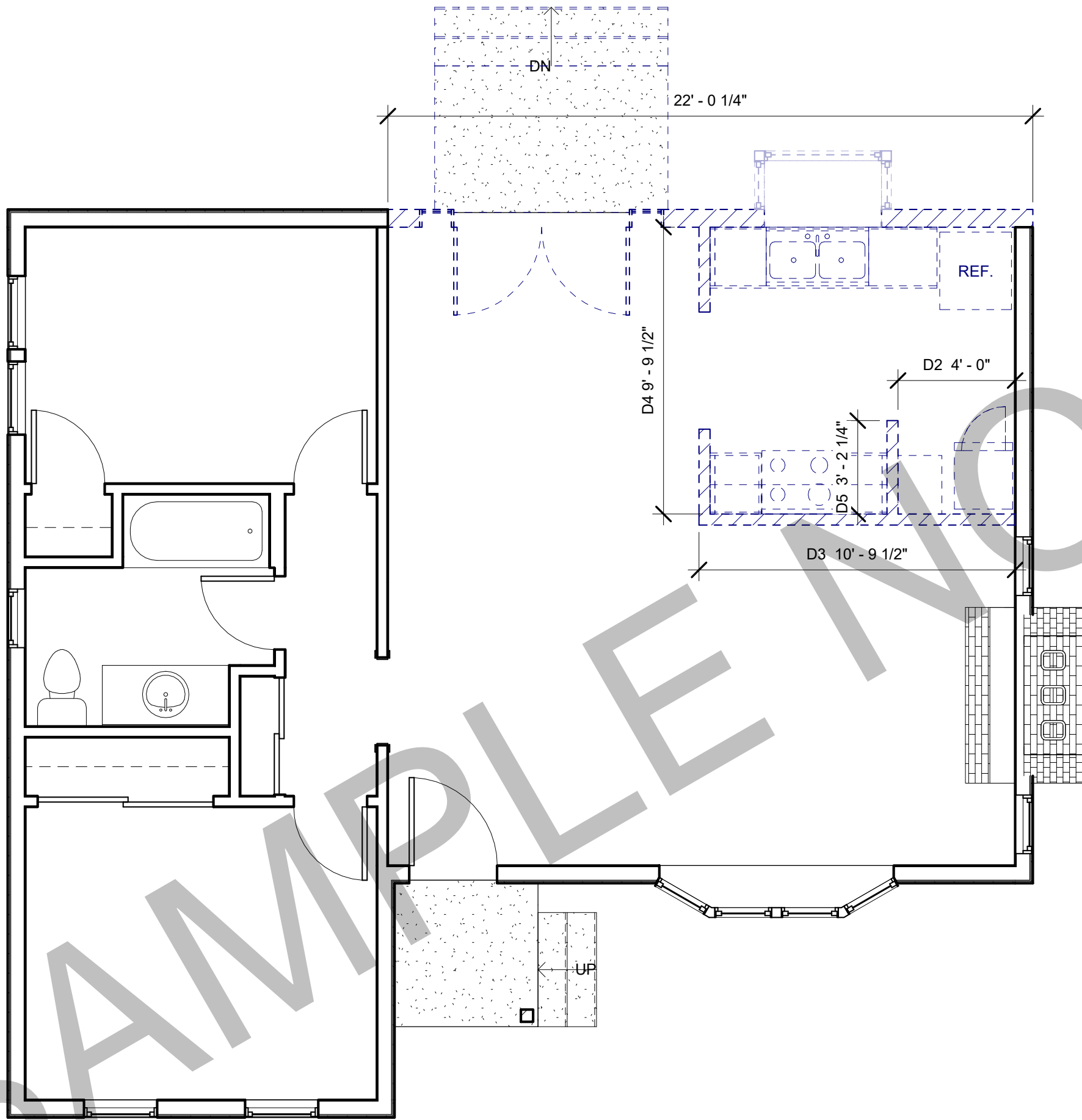
DEMOLISHED WALLS:

FIRST FLOOR		
D1	-	22.02
D2	-	4.00
D3	-	10.79
D4	-	9.79
D5	-	3.19
TOTAL		49.79

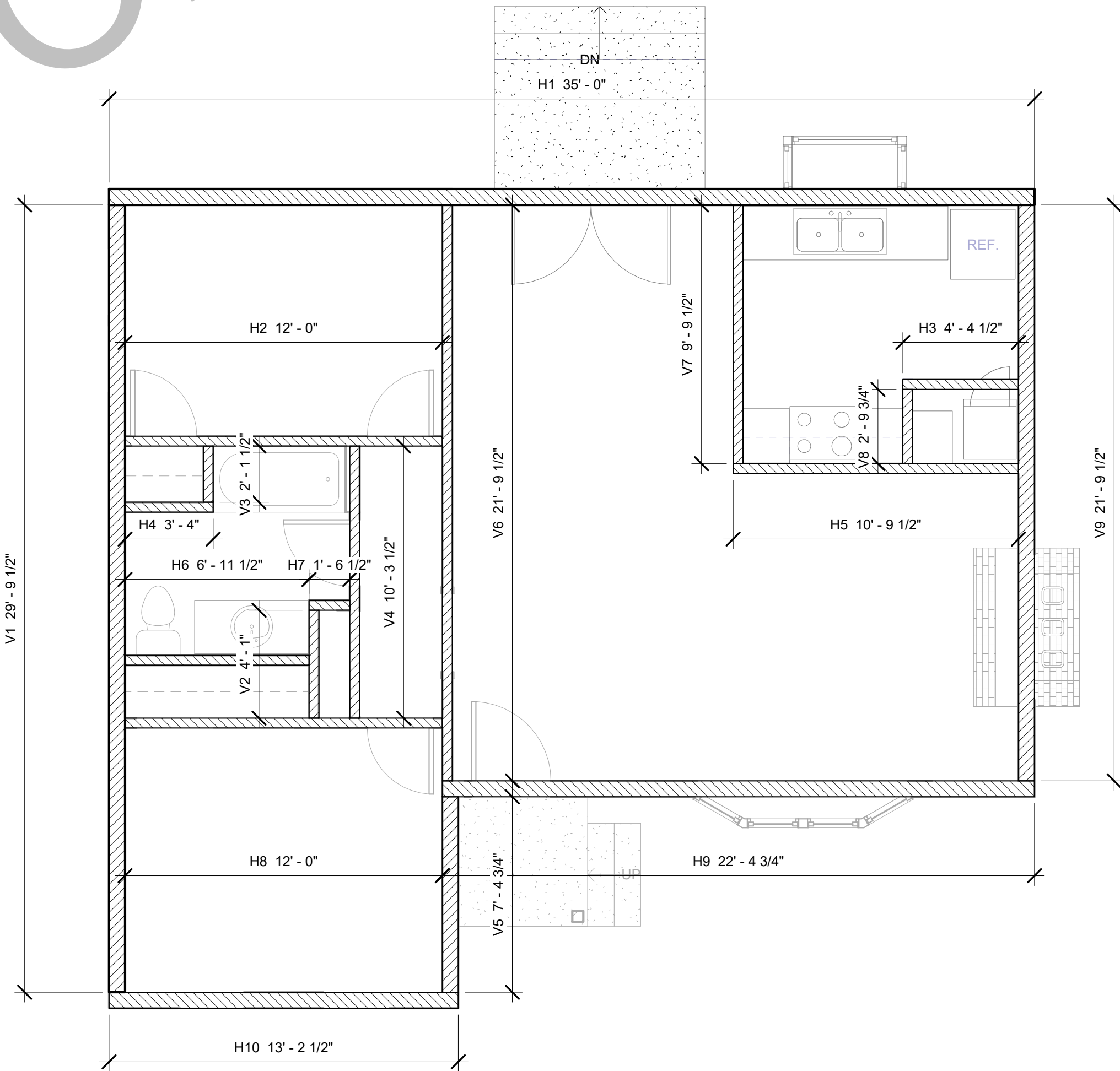
DEMOLITION CALCULATION:

DEMOLISHED WALLS / TOTAL EXISTING WALLS  
49.79 / 231.48 = 0.22

TOTAL DEMOLITION PERCENTAGE = 22.0%



2 FIRST FLOOR DEMO  
scale: 1/4" = 1'-0"



1 EXISTING FLOOR PLAN  
scale: 1/4" = 1'-0"

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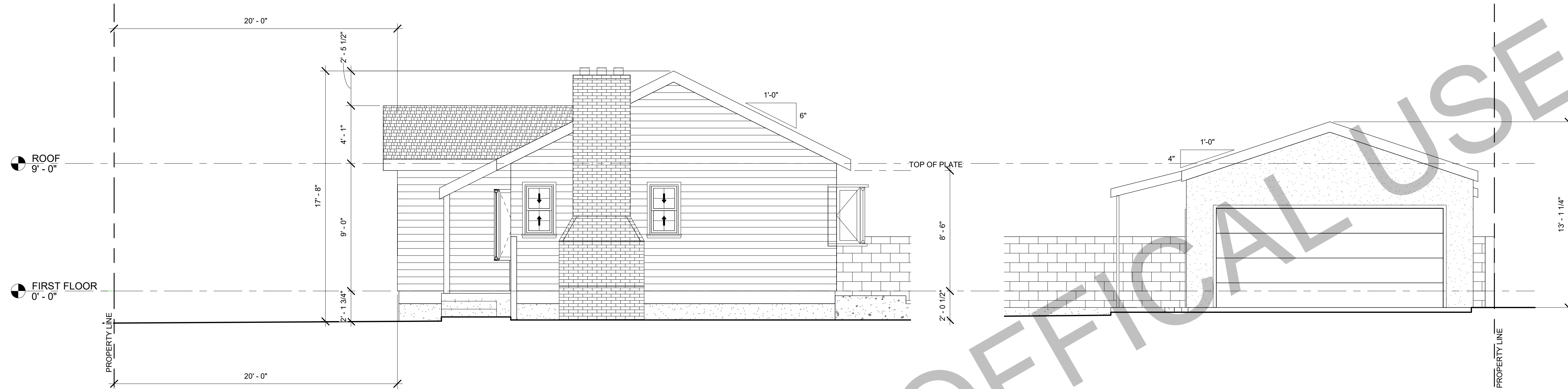
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SINGLE FAMILY RESIDENCE

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sheet no.

Issue Date  
Project Status

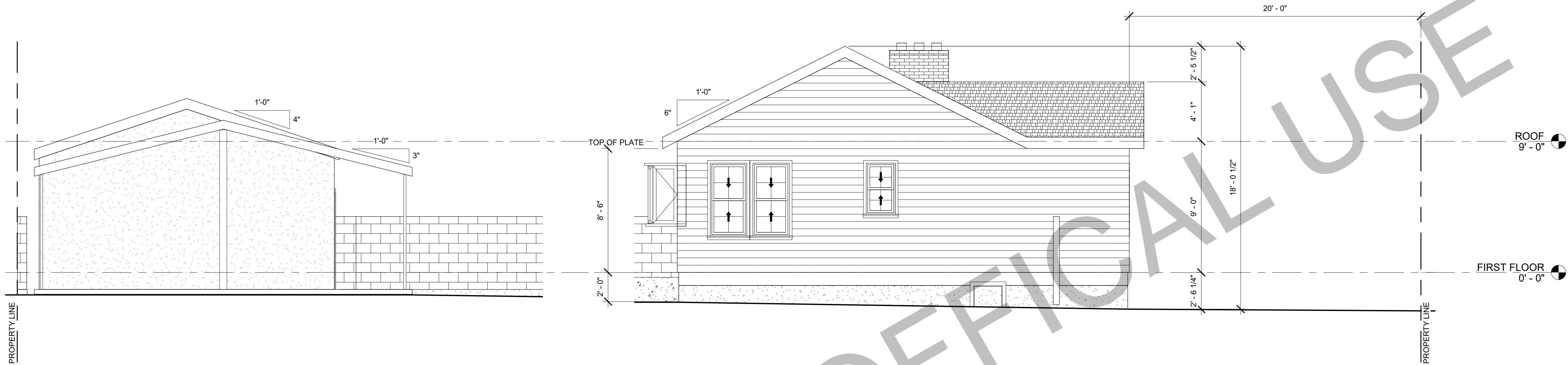
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2 (E) EAST ELEVATION  
scale: 1/4" = 1'-0"



1 (E) SOUTH ELEVATION  
scale: 1/4" = 1'-0"



2 (E) WEST ELEVATION  
scale: 1/4" = 1'-0"

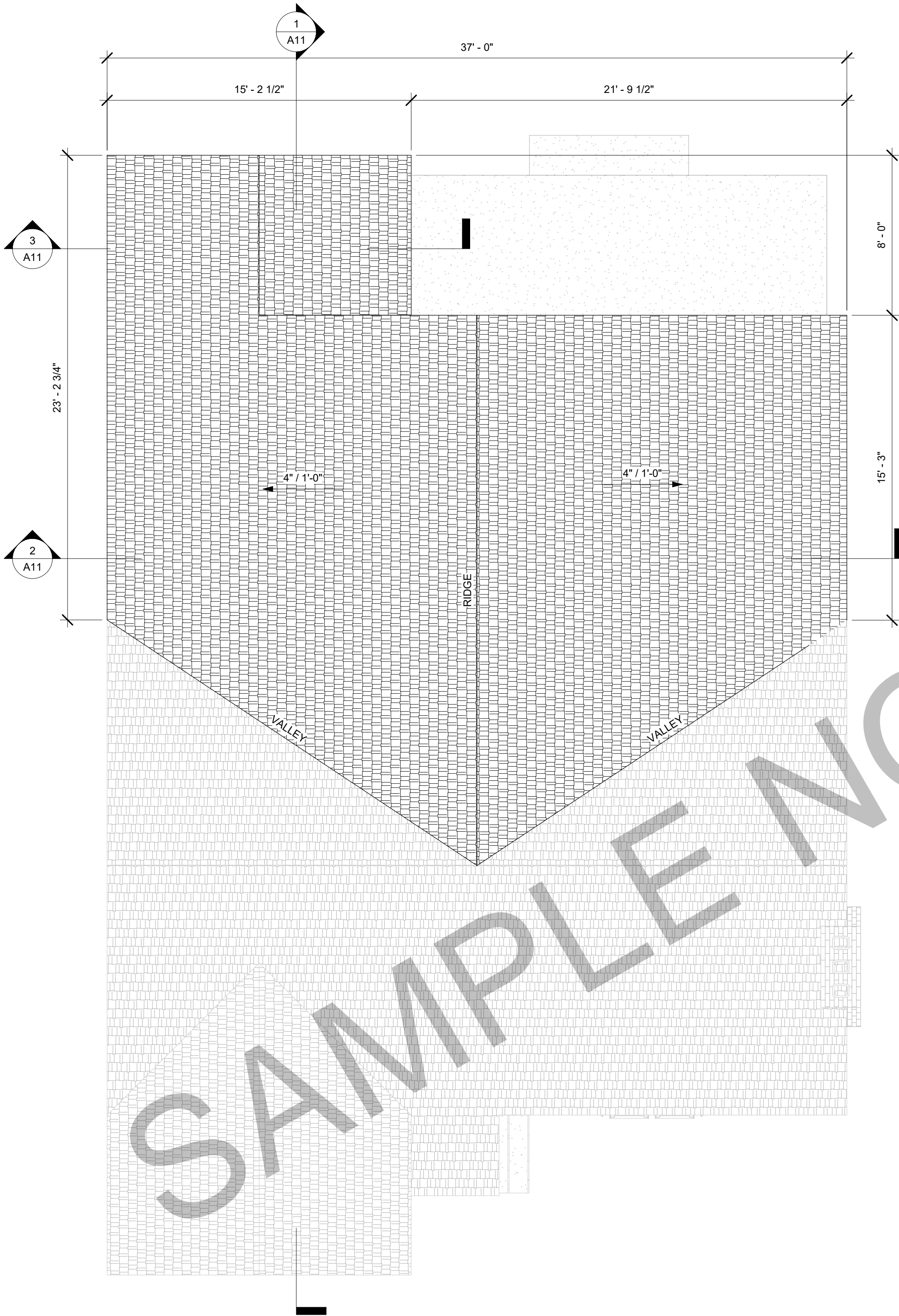


1 (E) NORTH ELEVATION  
scale: 1/4" = 1'-0"

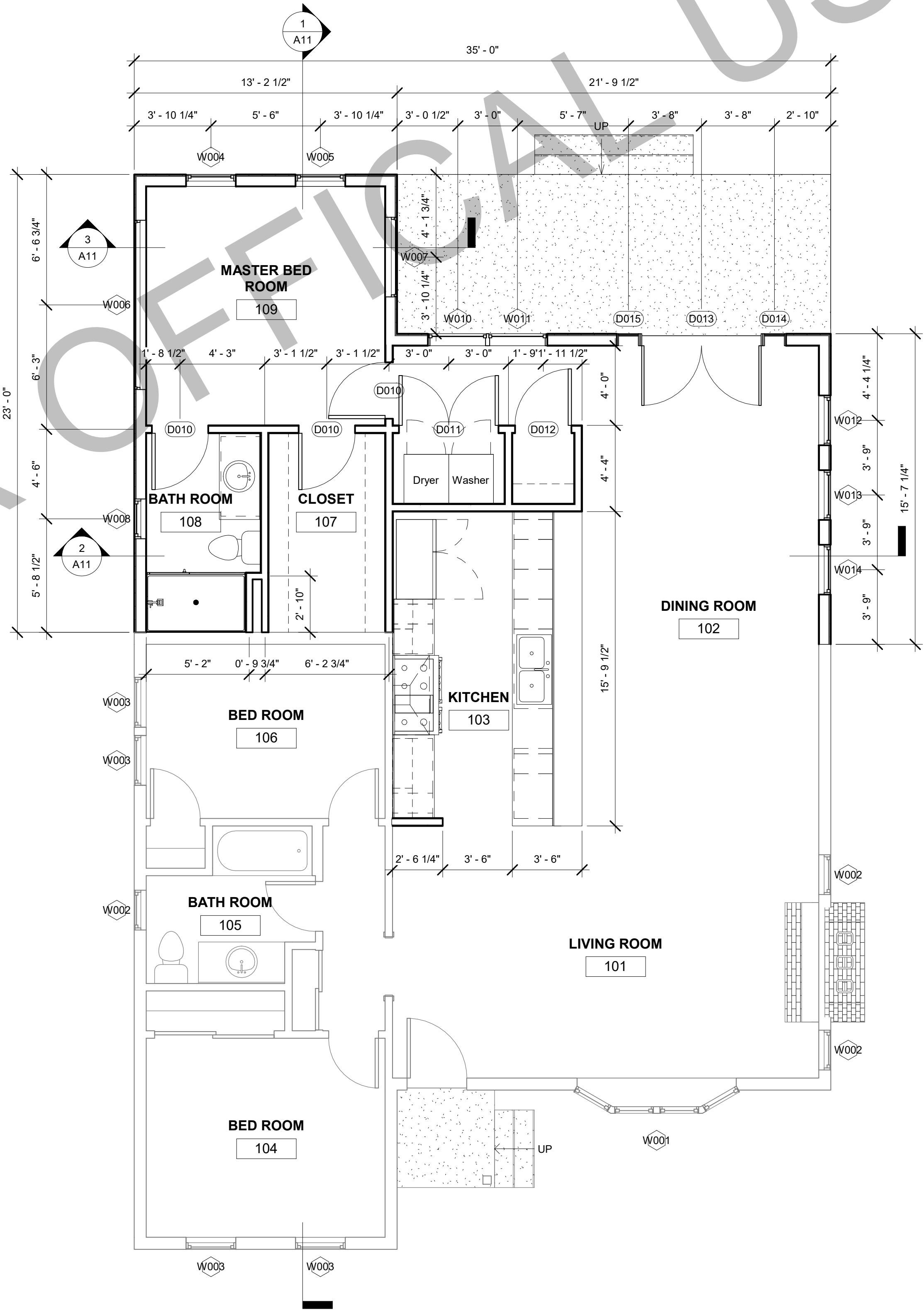


WINDOW SCHEDULE					
Mark	Width	Height	Head Height	Manufacturer	Comments
W001	8' - 0"	5' - 0"	6' - 9"		EXISTING
W002	2' - 0"	3' - 6"	7' - 6"		EXISTING
W003	2' - 6"	5' - 0"	7' - 6"		EXISTING
W004	2' - 6"	5' - 0"	8' - 0"		EXISTING
W005	2' - 6"	5' - 0"	8' - 0"		EXISTING
W006	8' - 6"	1' - 0"	8' - 0"		NEW
W007	4' - 0"	1' - 0"	8' - 0"		NEW
W008	2' - 0"	3' - 6"	8' - 0"		NEW
W010	3' - 0"	4' - 0"	7' - 0"		NEW
W011	3' - 0"	4' - 0"	7' - 0"		NEW
W012	2' - 6"	5' - 0"	8' - 0"		NEW
W013	2' - 6"	5' - 0"	8' - 0"		NEW
W014	2' - 6"	5' - 0"	8' - 0"		NEW

DOOR SCHEDULE					
Mark	Type	Thickness	Height	Fire Rating	Comments
D001	36" x 80"	0' - 2"	6' - 8"		EXISTING
D003	30" x 80" 2	0' - 2"	6' - 8"		EXISTING
D004	30" x 80"	0' - 2"	6' - 8"		EXISTING
D005	72" x 80"	0' - 2"	6' - 8"		EXISTING
D006	48" x 80"	0' - 2"	6' - 8"		EXISTING
D007	36" x 80"	0' - 2"	6' - 8"		EXISTING
D008	192" x 84"	0' - 1 1/2"	7' - 0"		EXISTING
D010	34" x 80"	0' - 2"	6' - 8"		NEW
D011	60" x 80"	0' - 2"	6' - 8"		NEW
D012	34" x 80"	0' - 2"	6' - 8"		NEW
D013	72" x 80"	0' - 1 1/2"	6' - 8"		NEW
D014	12" x 80"	0' - 1 1/2"	6' - 8"		NEW
D015	12" x 80"	0' - 1 1/2"	6' - 8"		NEW



2 PROPOSED ROOF PLAN  
scale: 1/4" = 1'-0"



1 PROPOSED FLOOR PLAN  
scale: 1/4" = 1'-0"

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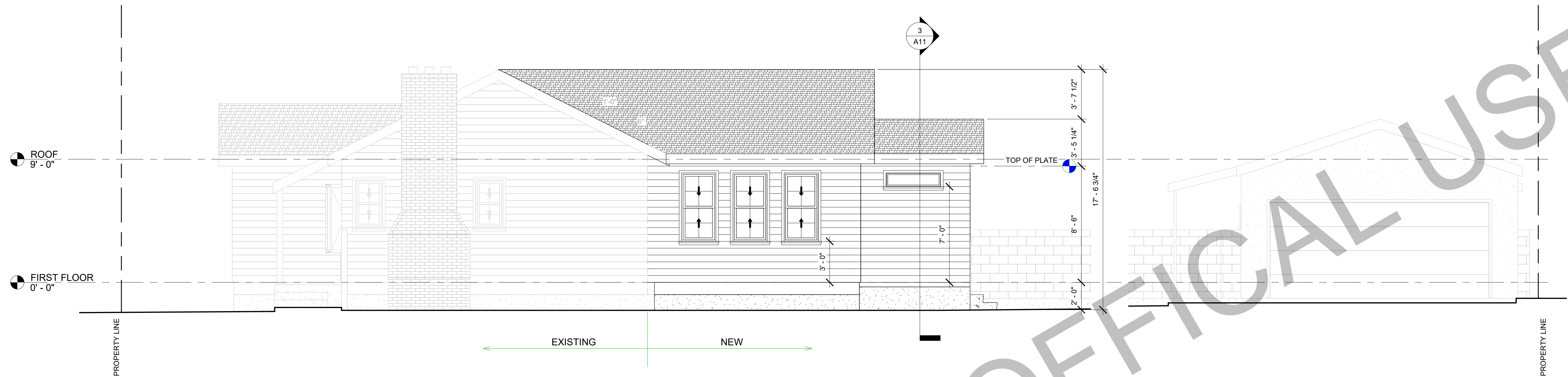
SINGLE FAMILY RESIDENCE

A08  
sheet no.

Issue Date  
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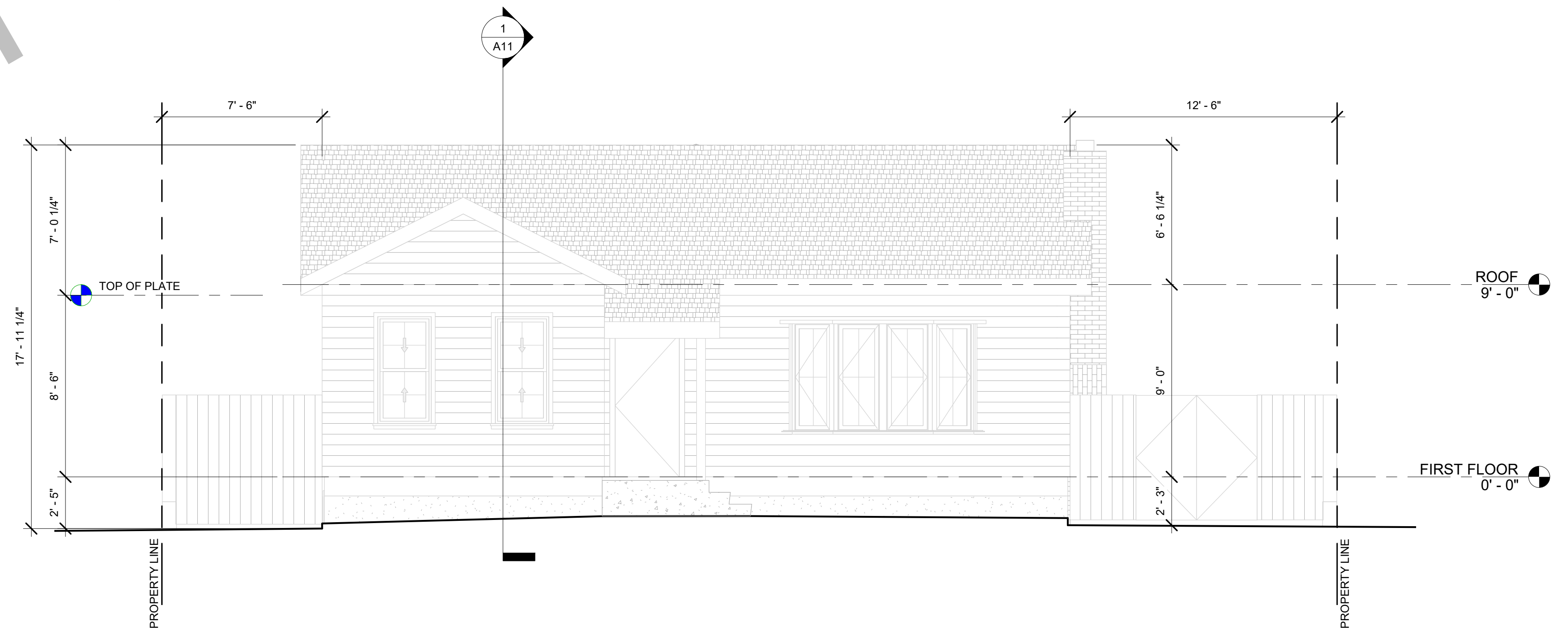
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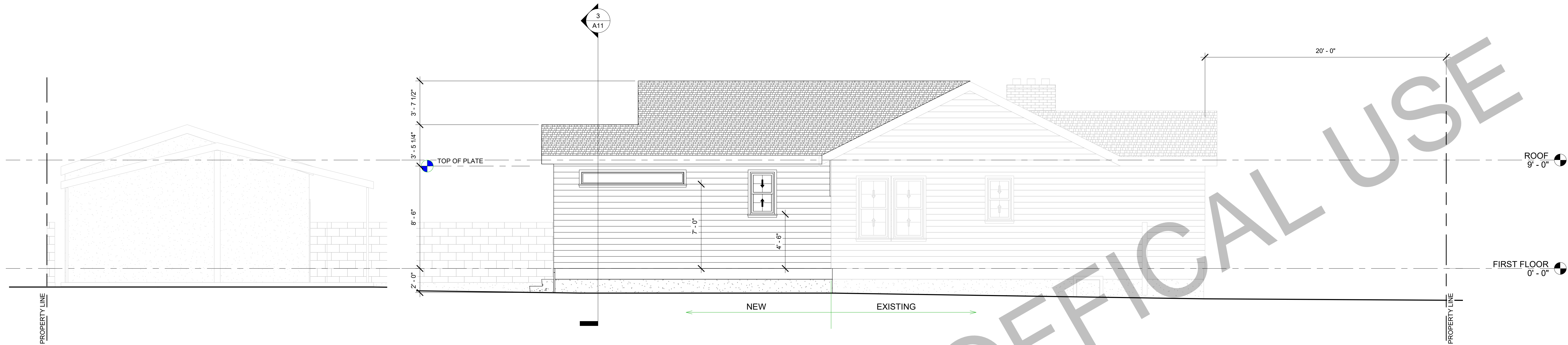


ANY ADDITION OR CHANGES MADE TO THE APPROVED EXTERIOR ELEVATION DESIGN EITHER ON THE DRAWINGS OR DURING CONSTRUCTION WILL REQUIRE PLANNING DIVISION AND BUILDING DIVISION REVIEW AND APPROVAL AND MAY RESULT IN A DELAY OF THE PROJECT OR THE REMOVAL OF NON-APPROVED WORK.

**2** PROPOSED EAST ELEVATION  
scale: 1/4" = 1'-0"

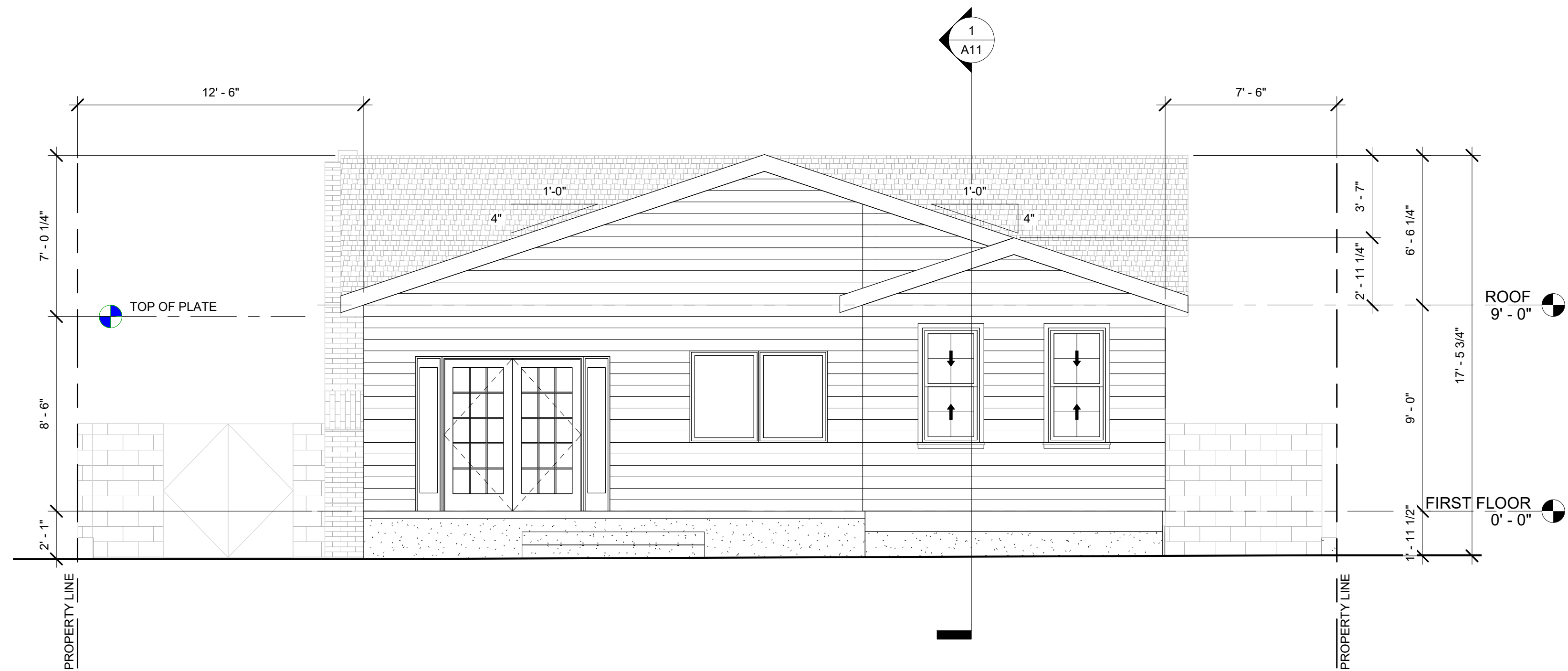


**1** PROPOSED SOUTH ELEVATION  
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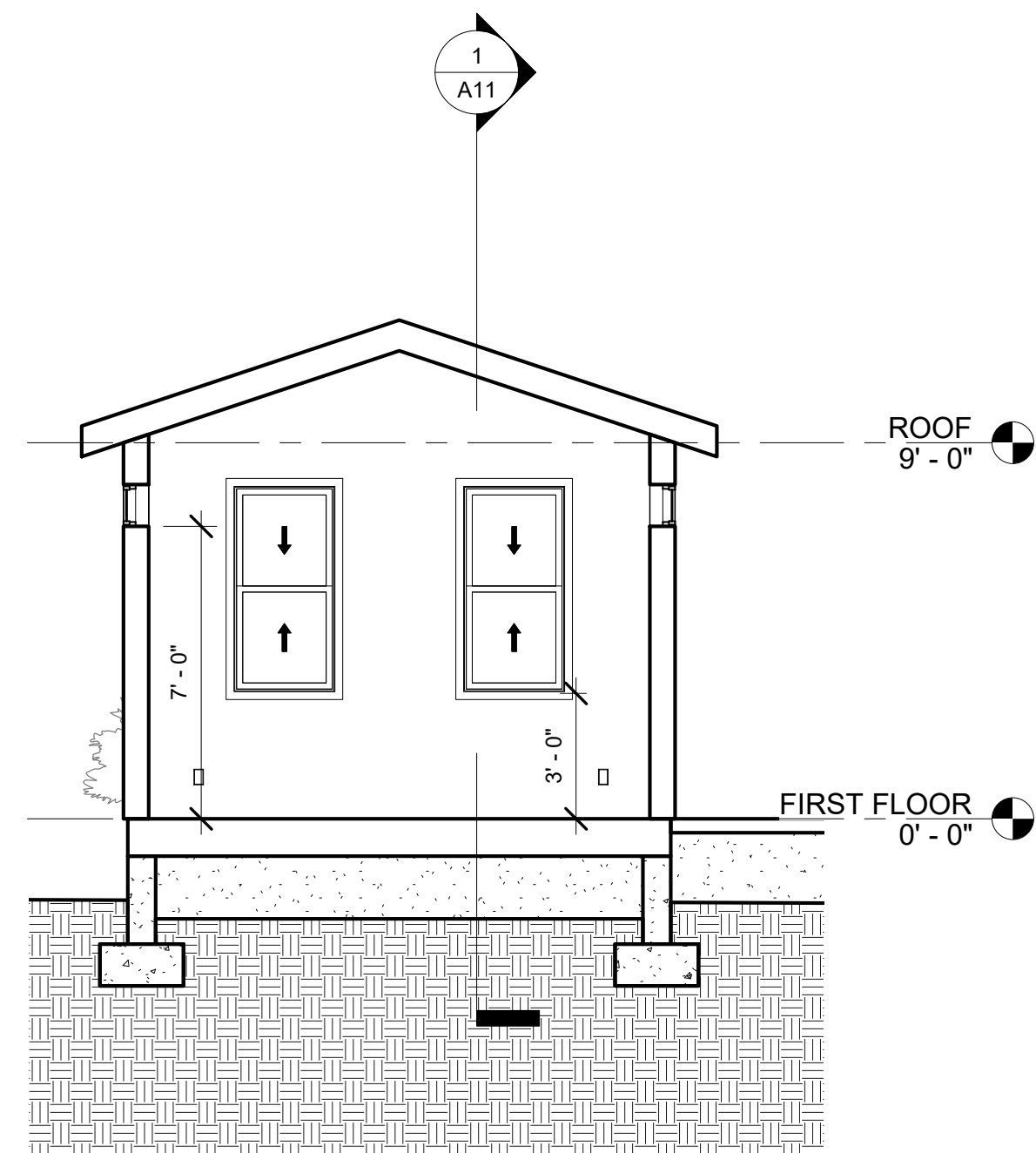
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**2** PROPOSED WEST ELEVATION  
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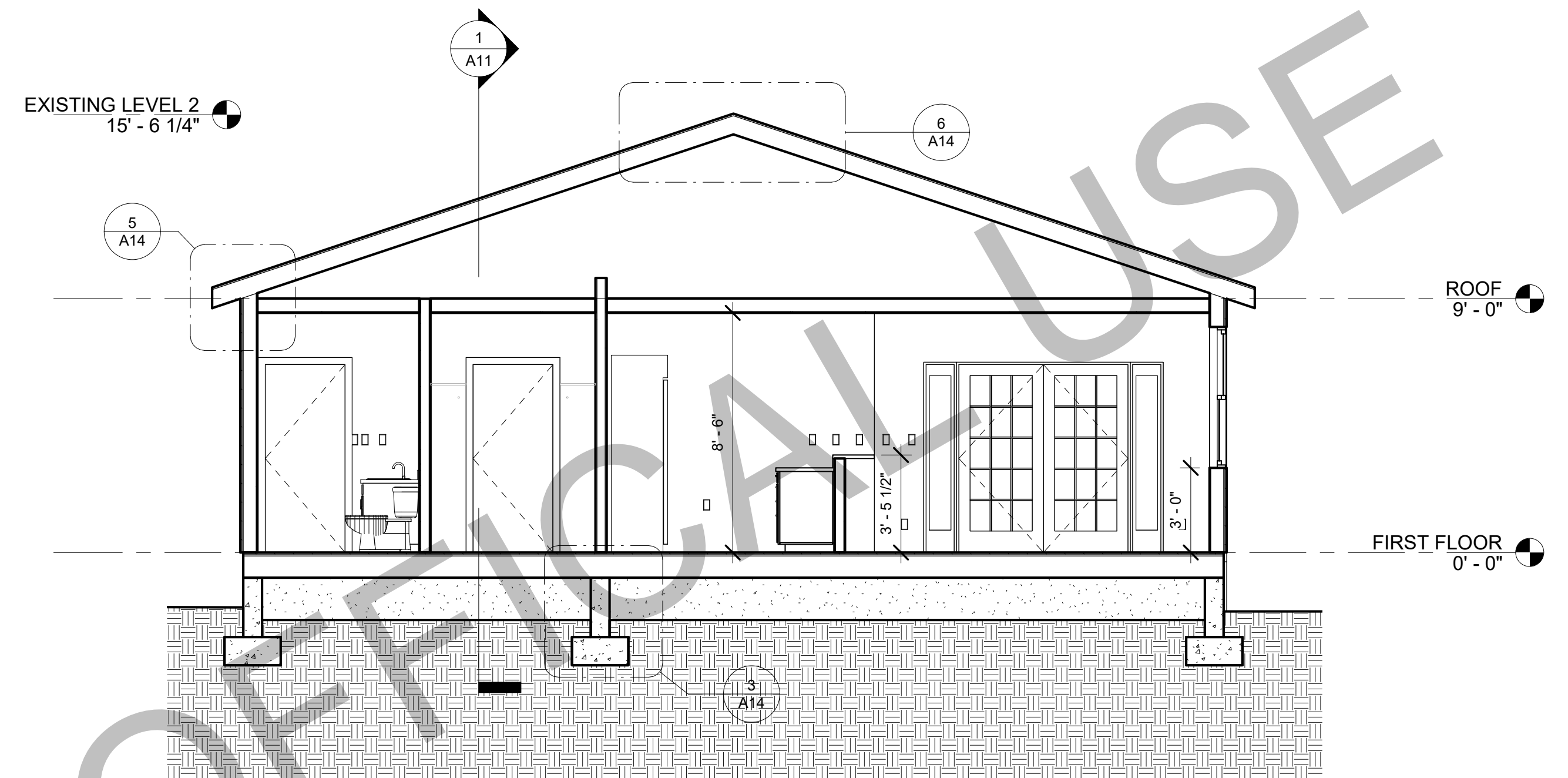


**1** PROPOSED NORTH ELEVATION  
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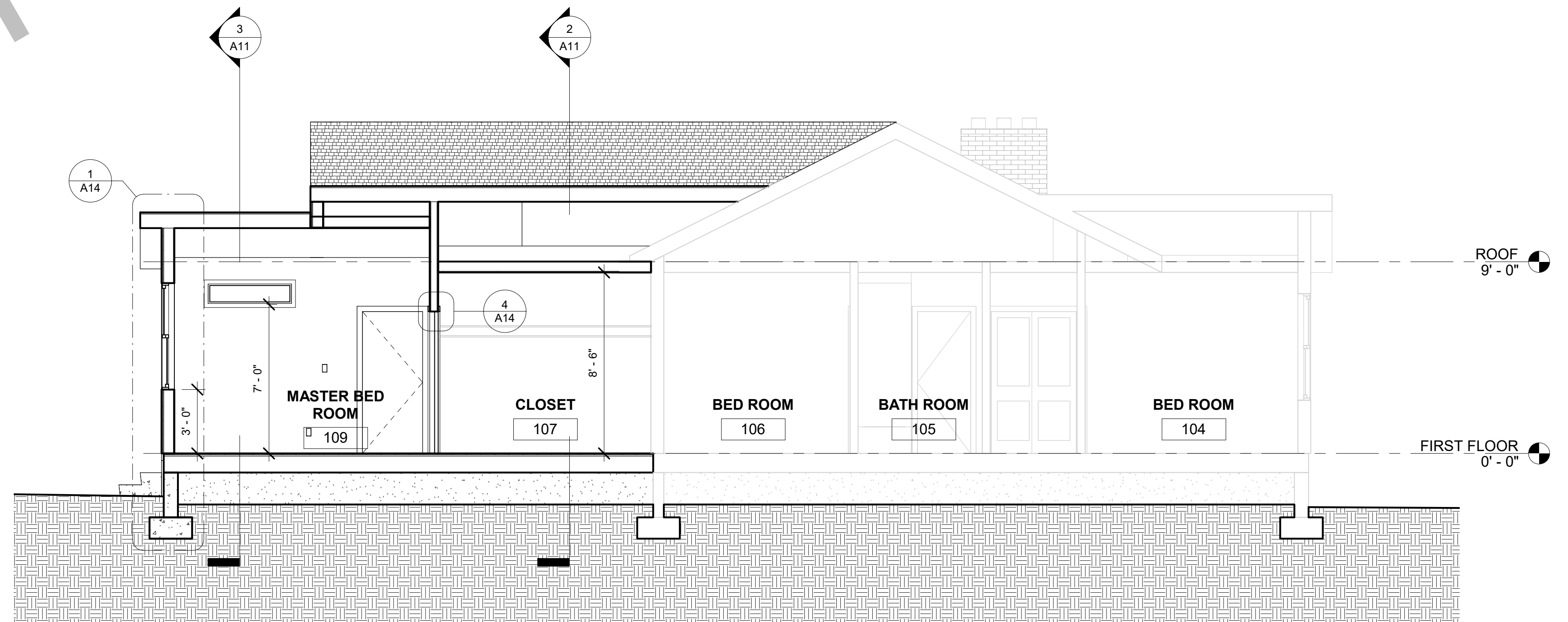




**3** PARTIAL BUILDING SECTION  
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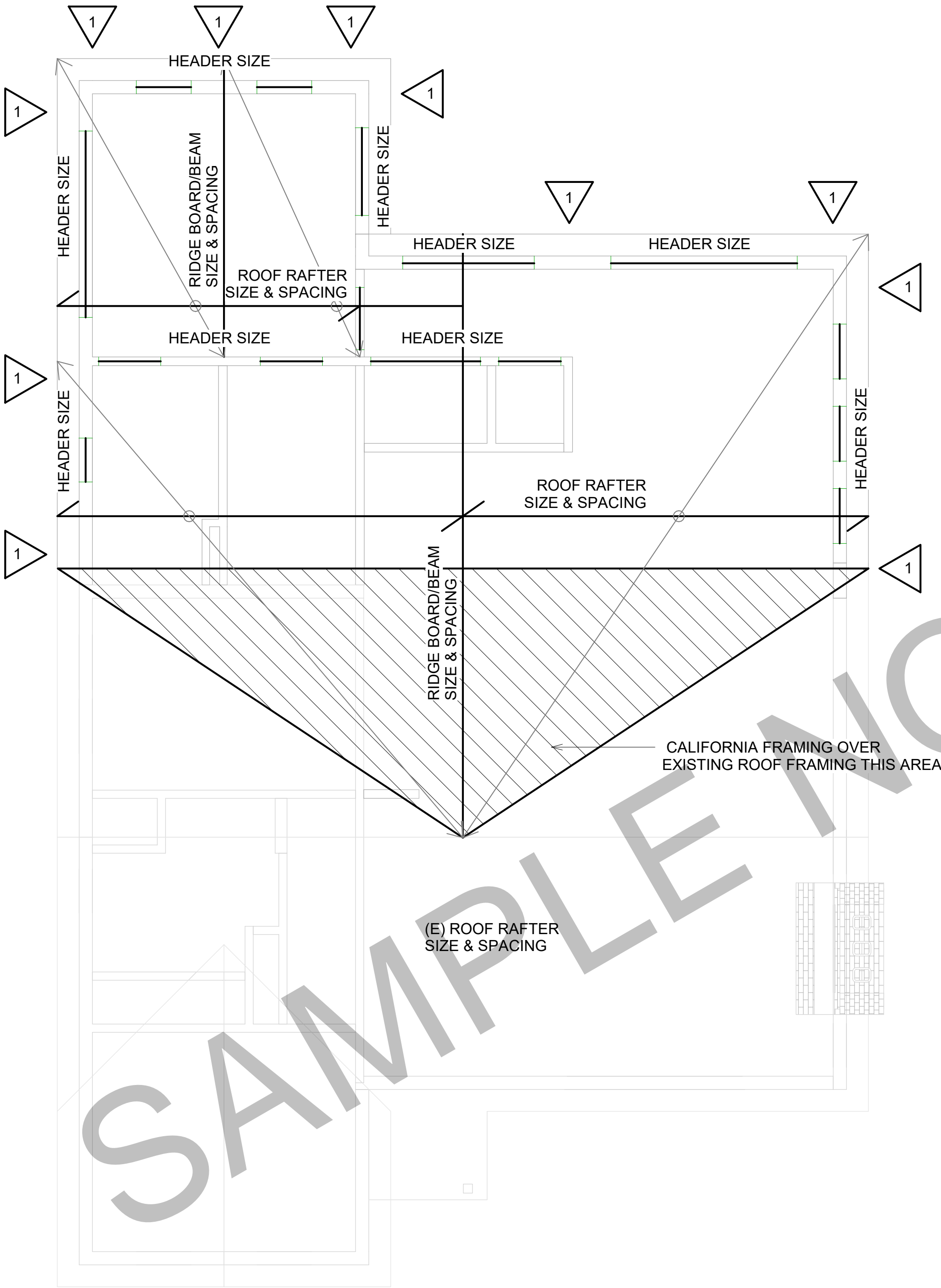
**2** CROSS SECTION  
scale: 1/4" = 1'-0"



**1** BUILDING SECTION  
scale: 1/4" = 1'-0"

ROOF FRAMING NOTES

1. ROOF SHEATHING AND NAILING PER LARUCP WOOD FRAME PRESCRIPTIVE PROVISIONS FOR ONE-STORY RESIDENTIAL WOOD CONSTRUCTION SHEET
2. ROOF PITCH, ROOFING TYPE, IBCO NUMBER, AND ROOFING MATERIAL

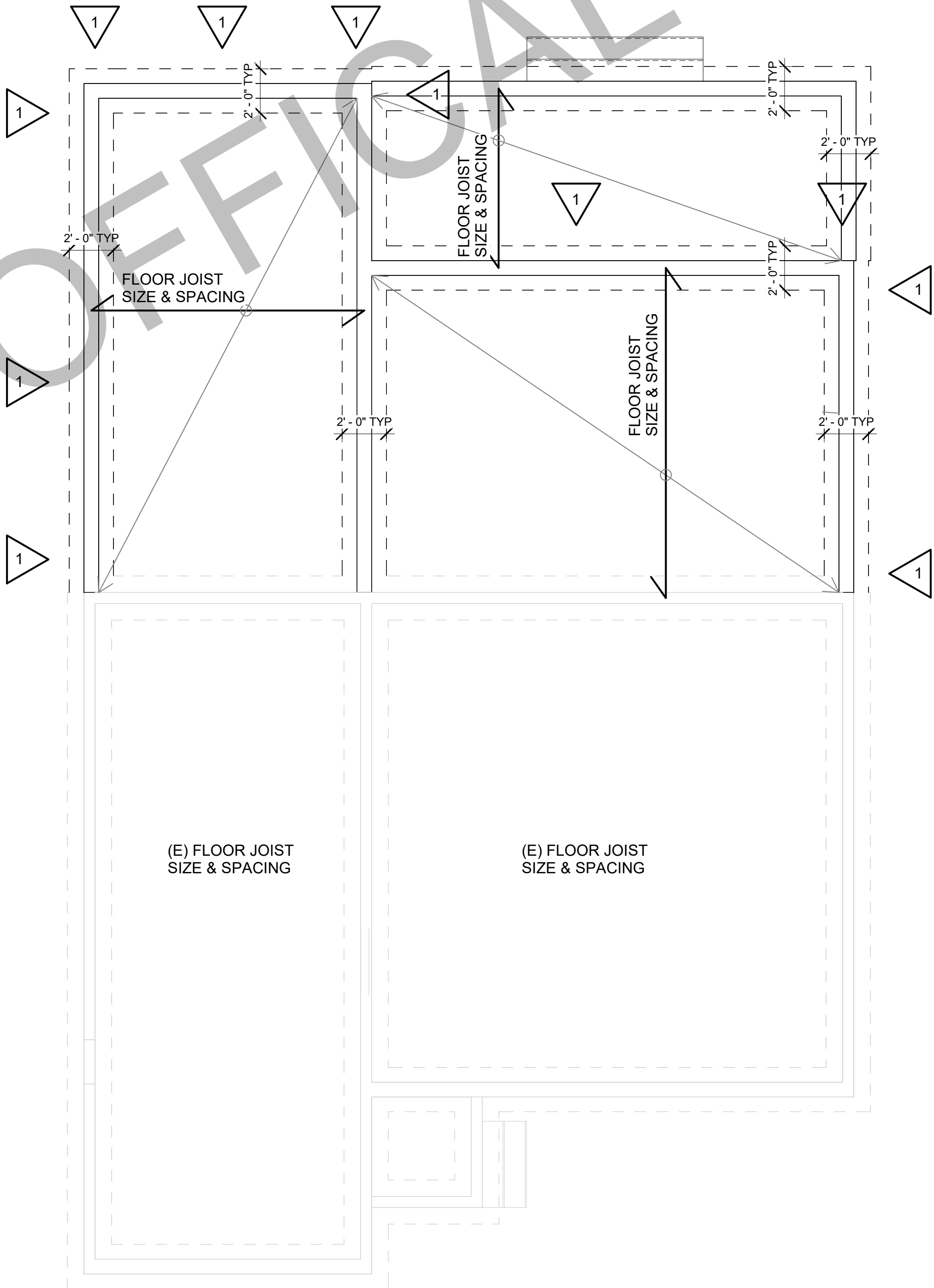


2 ROOF FRAMING  
scale: 1/4" = 1'-0"

SHEAR WALL SCHEDULE

	PLYWOOD	NAIL	END SPACING	BOLTS
1	SHEAR WALL PER TYPE V	NAIL SIZE	NAIL SPACING	ANCHOR BOLT SIZE & SPACING

NOTE:  
PROVIDE APPRPRIATE NOTES FROM LARUCP WOOD FRAME PRESCRIPTIVE PROVISIONS FOR ONE-STORY RESIDENTIAL WOOD CONSTRUCTION SHEET



1 PROPOSED FLOOR PLAN  
scale: 1/4" = 1'-0"

ARCHITECT  
OR  
ENGINEERS  
STAMP  
IF APPLICABLE

ARCHITECT: \_\_\_\_\_  
ENGINEER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_  
PHONE: \_\_\_\_\_

SINGLE FAMILY RESIDENCE

A12  
sheet no.

Issue Date  
Project Status

10/6/2018 7:31:00 PM



ELECTRICAL NOTES per 2016 California Electrical Code

- A. PANEL LOCATIONS  
Panels shall not be located in the vicinity of easily ignitable material, such as clothes closets, or in bathrooms [CEC 240-24(D)].
- B. NON-METTALIC SHEATHED CABLE [CEC 334]  
Non-metallic sheathed cable shall be:
- Protected by rigid metal conduit, intermediate metal conduit, electrical metallic tubing, schedule 80 PVC conduit, pipe, or other means when cable is exposed or subject to physical damage. [CEC 334.15(B)]
  - Protected by a 1/16-inch steel plate or sleeve or be not less than 1-1/4 inch from the nearest edge of the framing member, when installed through framing members. Steel plates or sleeves are required on all double shear walls when cable is installed either through or parallel to framing members [CEC 334.17].
  - Protected by guard strips within 6 feet of an attic access when no permanent stairs or ladders are provided [CEC 334.23, 320.23].
  - Protected by guard strips in the entire attic when permanent stairs or ladders are provided. Access panels or doors from the second floor into the attic are considered permanent access and guard strips are required in the entire attic.
  - Have a bending radius not less than 5 times the diameter of the cable [CEC 334.24].
  - Supported at intervals not exceeding 4-1/2 feet and within 12" of every outlet box, junction box, cabinet or fitting [CEC 334.30].
- C. CIRCUITS AND RECEPTACLES
- Tamper-Resistant Receptacles shall be installed as specified in dwelling units in all areas specified in 210.52. [CEC 406.12]
  - Receptacles shall be installed so that no point along the floor line in any wall space is more than 6 ft. from an outlet, including any wall space 2 ft. wide or greater. Note: A fixed panel of a sliding glass door is considered wall space. [CEC 210.52(A)].
  - In kitchens, breakfast rooms, pantries and dining rooms a minimum of 2-20A circuits shall be provided [CEC 210.11(C) (1)]. Counter space receptacles shall be GFCI [CEC 210.8(A)] and installed:
    - At each wall counter space that is 12 in. or greater [CEC 210.52(C)(1)] ;
    - No more than 48 in. oc. [CEC 210.52 (C)(1)];
    - Maximum 24 in. from the end of the counter [CEC 210.52 (C)(1)];
    - Maximum 20 in. above counter surface [CEC 210.52) (C)(5)];
    - On island counter spaces (one receptacle min.) not more than 12 in. below counter surface [CEC 210.52 (C)(5) Exception]. An island with less than 12" behind a range top of sink is considered as dividing the countertop into two separate spaces [CEC 210.52(C)(2)].
    - On peninsular counter spaces (one receptacle min.) not more than 12 in. below counter surface [CEC 210.52 (C)(5) Exception];
  - Bathrooms shall have a separate 20A circuit [CEC 210.11(C) (3)] with at least one GFCI wall receptacle within 36 in. of each basin [CEC 210.8(A)(1); CEC 210.52(D)].
  - Laundry rooms shall have a separate 20A circuit with at least one receptacle shall be provided [CEC 210.11(C)(2)]. All receptacles within 6 ft. of the sink shall be GFCI [CEC 210.8(A)(7)].
  - In garages, at least one GFCI receptacle shall be provided [CEC 210.52(G)]. All other garage receptacles except those dedicated to an appliance or that are not readily accessible shall be GFCI. [CEC 210.8(A)(2)].
  - In hallways of 10 ft. or more in length, at least one receptacle shall be provided [CEC 210.52(H)].
  - Outdoor outlets shall be GFCI [CEC 210.8(A) (3)]. One outlet shall be installed at the front of the dwelling and one at the rear of the dwelling. Receptacles shall be accessible at grade level and not more than 6-1/2 ft. above grade [CEC 210.52(E)].
  - All crawl space receptacles shall be GFCI [CEC 210.8(A)(4)].
  - All unfinished basement receptacles shall be GFCI unless they are not readily accessible or are service a dedicated appliance [CEC 210.8(A)(5)].
  - All receptacles within 6 ft. of a wet bar shall be GFCI [CEC 210.8(A)(7)].
  - All receptacles on 15A or 20A branch circuits that supply family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways or similar rooms or areas shall be protected by combination-type Arc-Fault Circuit Interrupters (AFCI), including switched outlets [CEC 210.12(A)].
  - All receptacles serving appliances or motors with a rating of 1 HP or 6 Amps shall be on a separate circuit.
  - For HVAC equipment, a separate 15A or 20A circuit with an accessible receptacle at the equipment shall be provided within 25 ft of the equipment [CEC 210.63]. If located in an under-floor area, the receptacle shall be GFCI [CEC 210.8(4)].
- D. LIGHTING [CEC 210.70]
- Switched lighting shall be installed in:
    - All habitable rooms, Bathrooms, Hallways, and Stairways at each level,
    - Garages,
    - At all outdoor entrances and exits,
    - In all attics, under floor areas, utility rooms and basements used for storage
    - Near HVAC equipment in attic, under floor areas, rooms or basements, with a switch at the access point.
  - Lighting installed in a closet shall be a surface mounted or recessed fluorescent fixture or a surface mounted incandescent fixture with completely enclosed lamps or recessed incandescent fixture with completely enclosed lamps. Surface incandescent lighting shall be installed a minimum of 12 in. from the nearest point of a storage space. Surface fluorescent lighting and recessed lighting shall be installed a minimum of 6 in. from the nearest point of a storage space. [CEC 410.16(C)]
- E. FANS  
In bathrooms containing tubs or showers, a fan capable of exhausting 50 cfm shall be installed [Energy Standards 150(o)].
- F. SMOKE ALARMS  
In new construction, smoke alarms shall receive their primary power from the building wiring. The wiring shall be permanent and installed without a disconnecting switch other than those required for overcurrent protection [CRC R314.4].

100% of the luminaries in a kitchen must be high efficacy.

In bathrooms, garages, laundry rooms, and utility rooms, at least one luminaire in each of these spaces shall be controlled by a vacancy sensor.

Bedrooms, living rooms, family rooms, and other rooms used for living and sleeping must have high efficacy lighting, and may require an occupant sensor with a manual-on/auto-off feature, or dimmers.

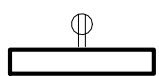

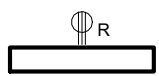
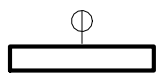
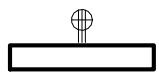
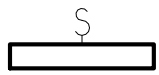
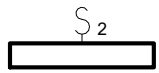
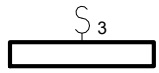
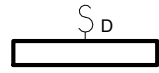




Exterior lighting must be high efficacy, a photocell and motion sensor may be installed.

TITLE 24 RESIDENTIAL LIGHTING STANDARDS

Permanently installed luminaires that have plug-in or hardwired connections for electric power must comply with the mandatory energy requirements summarized below:

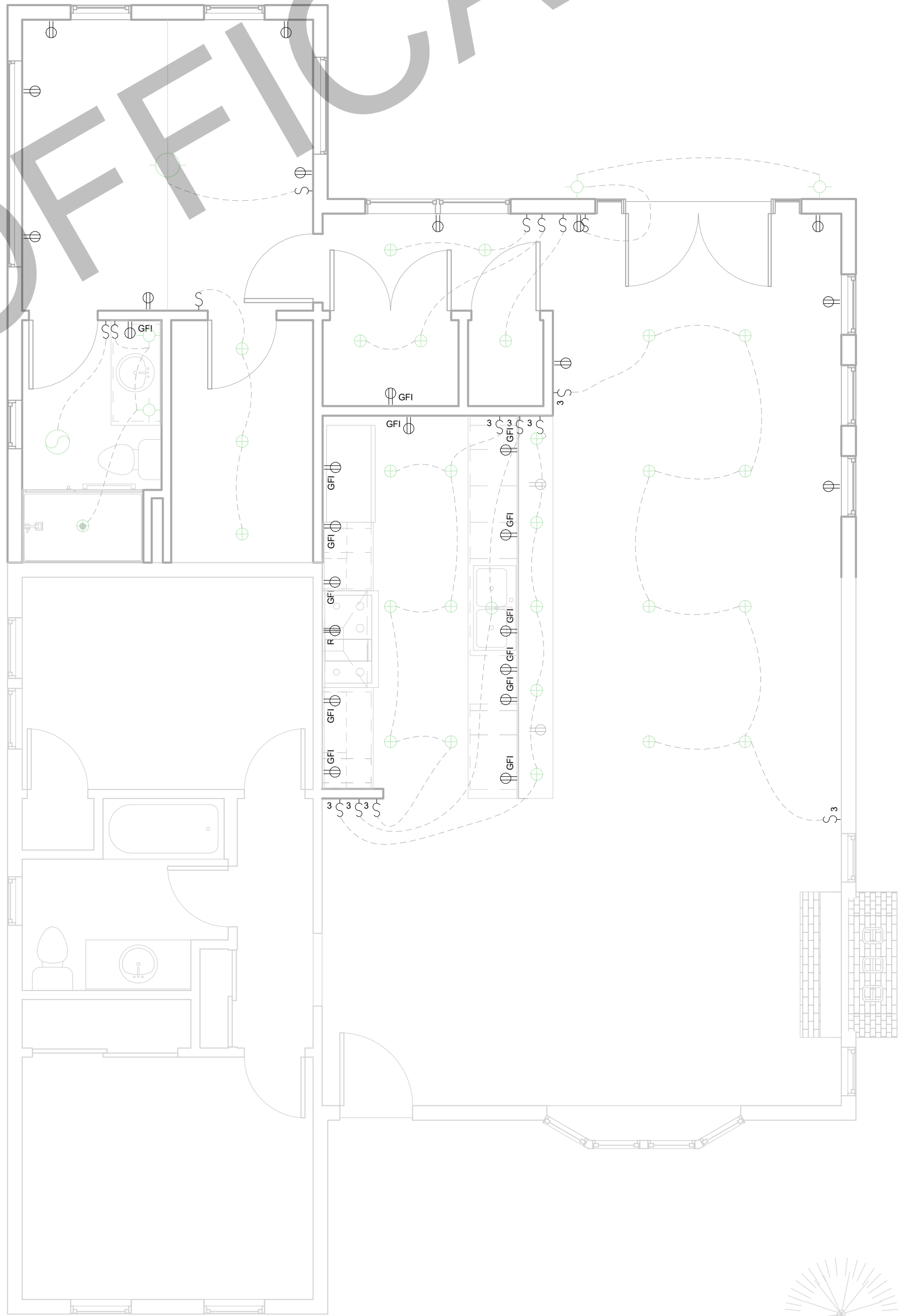
ROOM	% HIGH EFFICACY	1, 2 OPTIONS
KITCHEN	100%	3
CABINET LIGHTING	100%	Under-cabinet lighting shall be switched separately from other lighting.
BATHROOM	100%	Vacancy Sensor4
GARAGE	100%	Vacancy Sensor4
LAUNDRY ROOMS	100%	Vacancy Sensor4
UTILITY ROOMS	100%	Vacancy Sensor4
CLOSETS > 70 SF	100%	Vacancy Sensor4
ALL OTHER ROOMS5	100%	Vacancy Sensor4 or Dimmer
EXTERIOR6	100%	Controlled by manual on/off switch and one of the following: motion sensor, photo control and automatic time switch control, astronomical time clock, or EMCS7

- High efficacy lighting contains pin-based sockets and includes fluorescent with electronic ballasts, metal halide, high pressure sodium, and certified LED lighting.
- Luminaires recessed into insulated ceilings must be approved for zero clearance insulation contact (IC) and rated and labeled as air tight (AT).
- 100% of the total lighting wattage (based on the max. lamp rating) in a kitchen is required to be high efficacy.
- All Occupant Sensors Control Types shall be programmed to turn OFF all or part of the lighting no longer than 20 minutes after the space is vacated of occupants, except as specified by Section130.1(c)8.
- Includes bedrooms, living, dining and family rooms, club houses, home offices, and enclosed patios. Closets that are less than 70 sf in area and hallways are exempt from this requirement.
- Lights around pools and water features subject to California Electrical Code Article 680 are exempt.
- Energy management control system.

	DUPLEX OUTLET
	GFCI DUPLEX OUTLET
	RANGE OUTLET
	SINGLE OUTLET
	TRIPLEX OUTLET
	ONE WAY SWITCH
	TWO WAY SWITCH
	THREE WAY SWITCH
	DIMMER SWITCH
	CEILING FIXTURE
	RECESSED J8 LIGHT
	WALL FIXTURE
	EXHAUST FAN

ELECTRICAL LEGEND

scale: 1/4" = 1'-0"



1 PROPOSED FLOOR PLAN

scale: 1/4" = 1'-0"

ARCHITECT  
OR  
ENGINEERS  
STAMP  
IF APPLICABLE

ARCHITECT: \_\_\_\_\_  
ENGINEER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_  
PHONE: \_\_\_\_\_

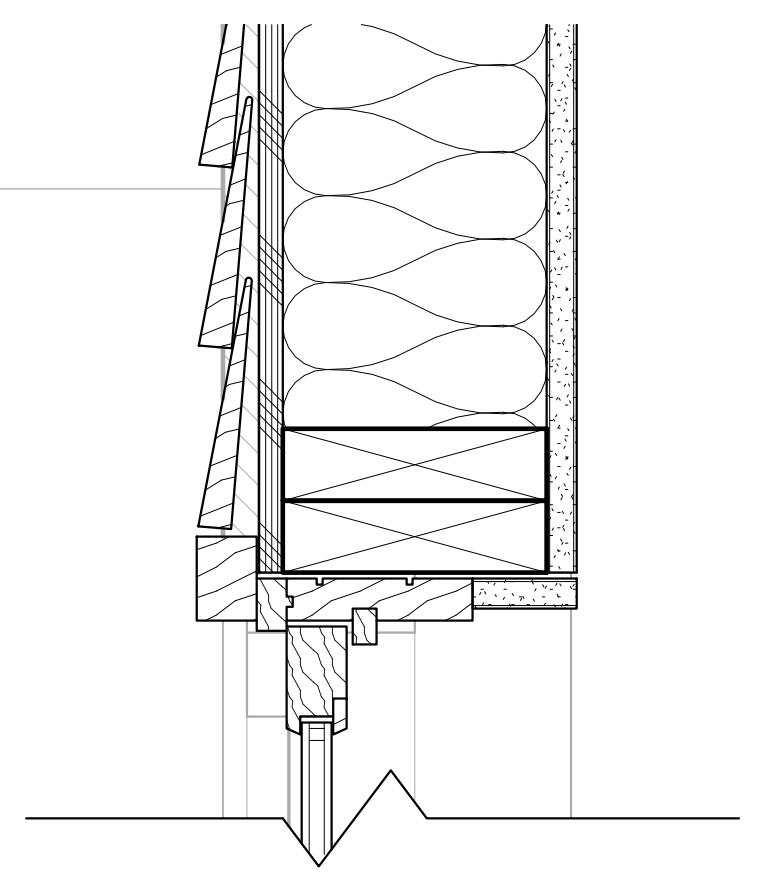
SINGLE FAMILY RESIDENCE

Issue Date  
Project Status

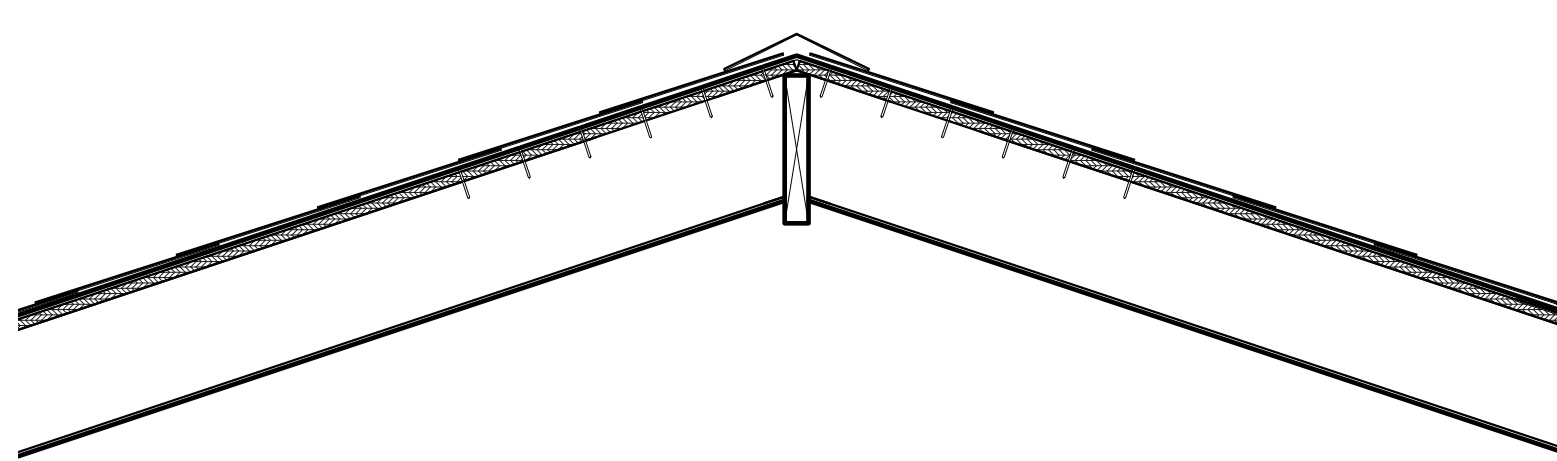
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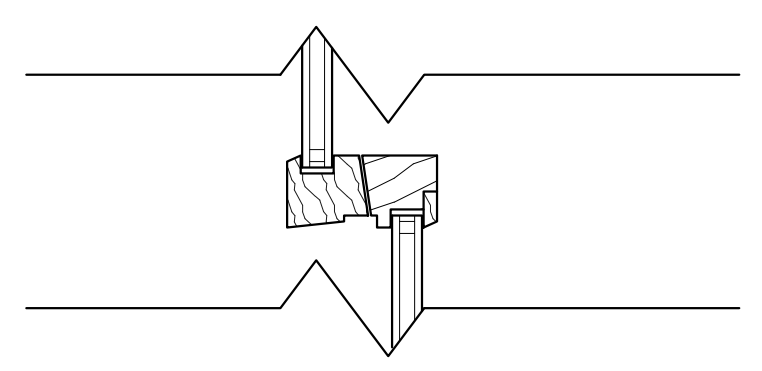




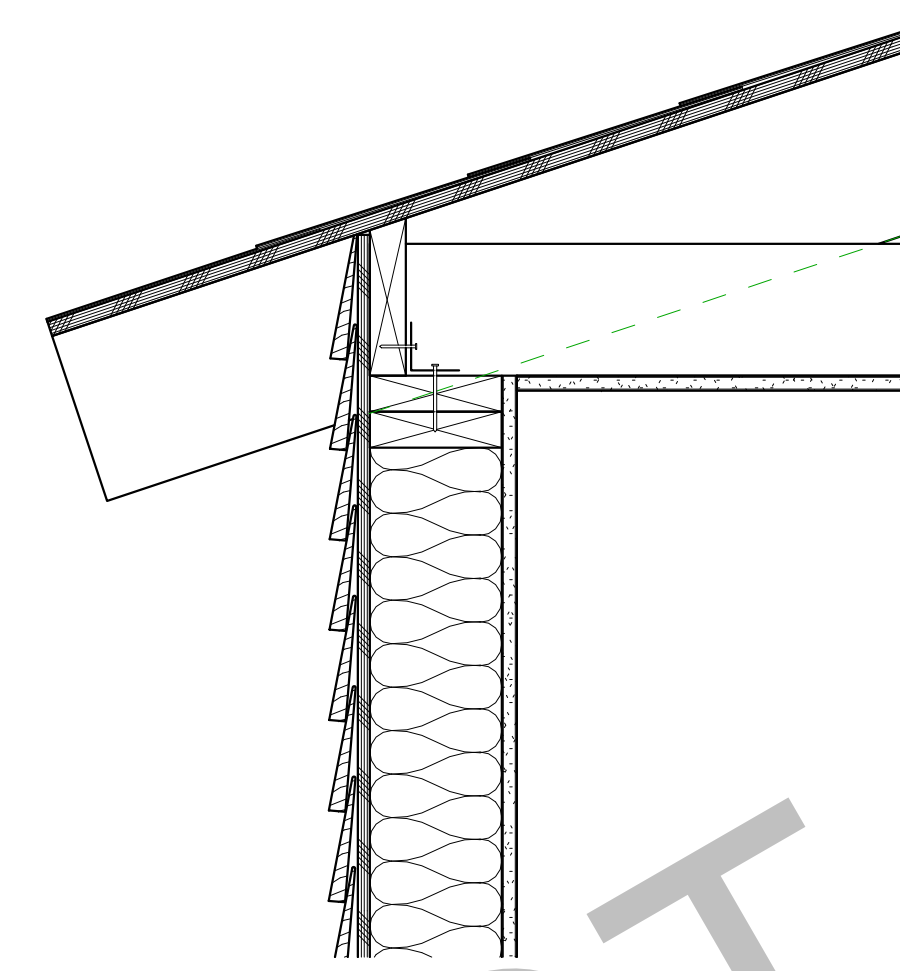
10 WINDOW HEAD/JAMB  
scale: 3" = 1'-0"



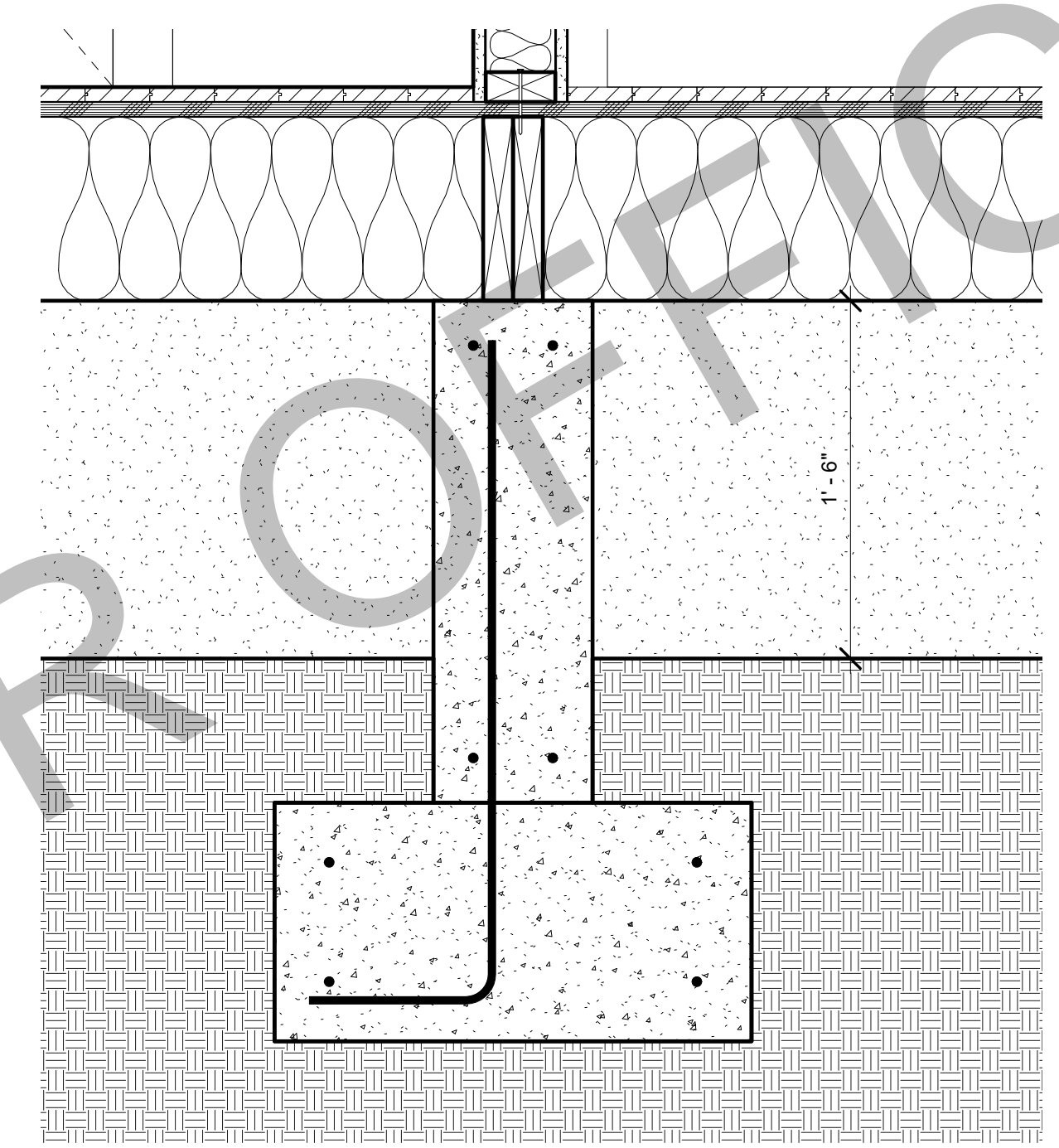
6 RIDGE DETAIL  
scale: 1" = 1'-0"



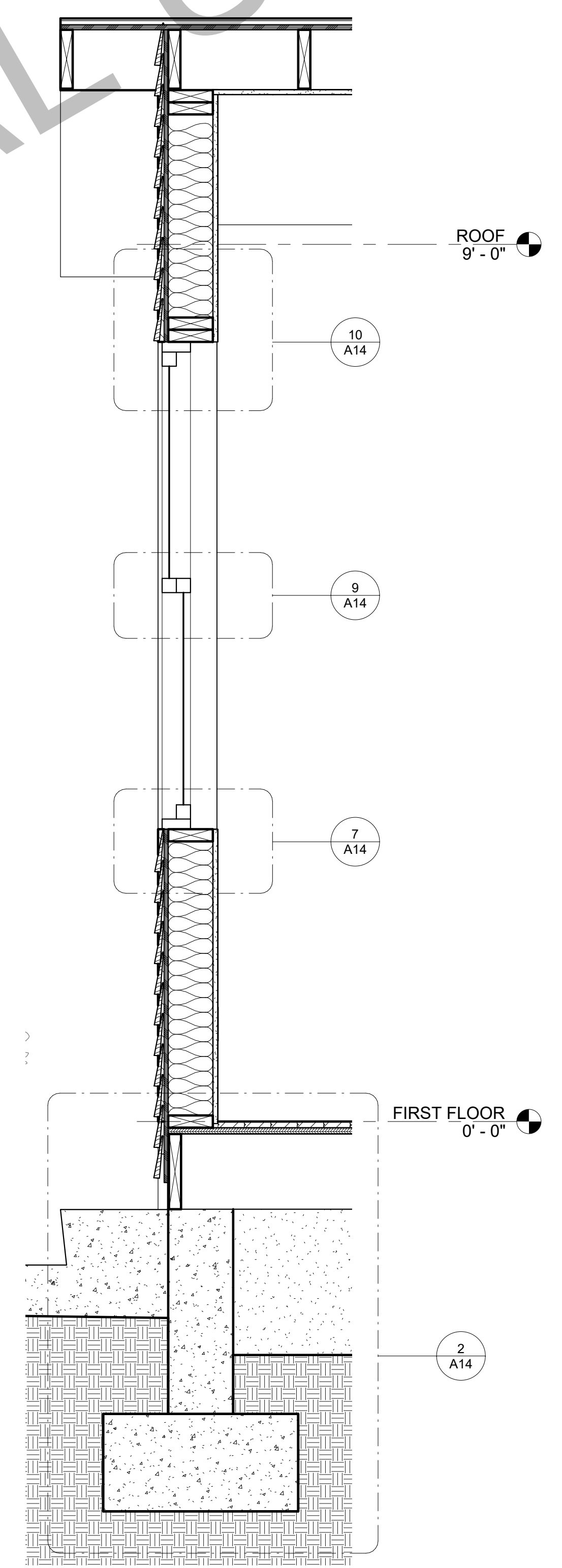
9 WINDOW MEETING SECTION  
scale: 3" = 1'-0"



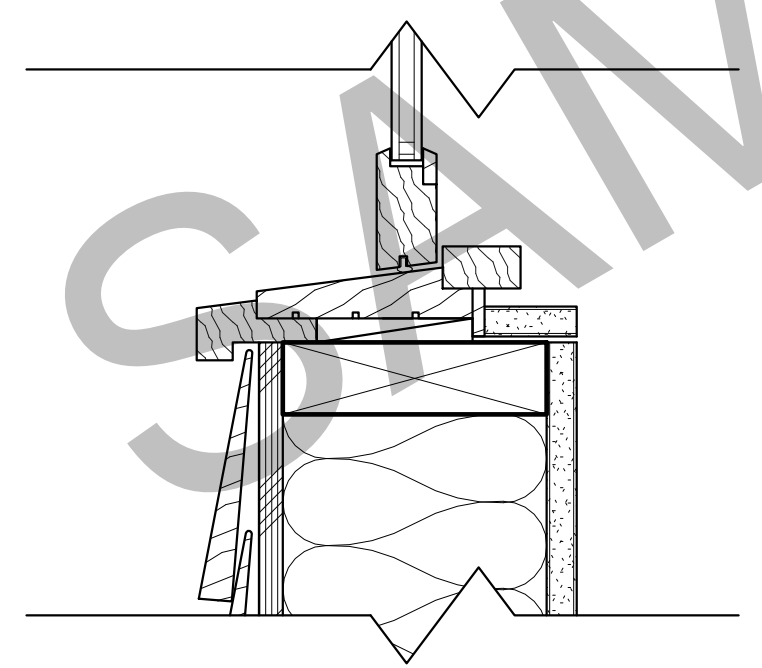
5 EAVE DETAIL  
scale: 1 1/2" = 1'-0"



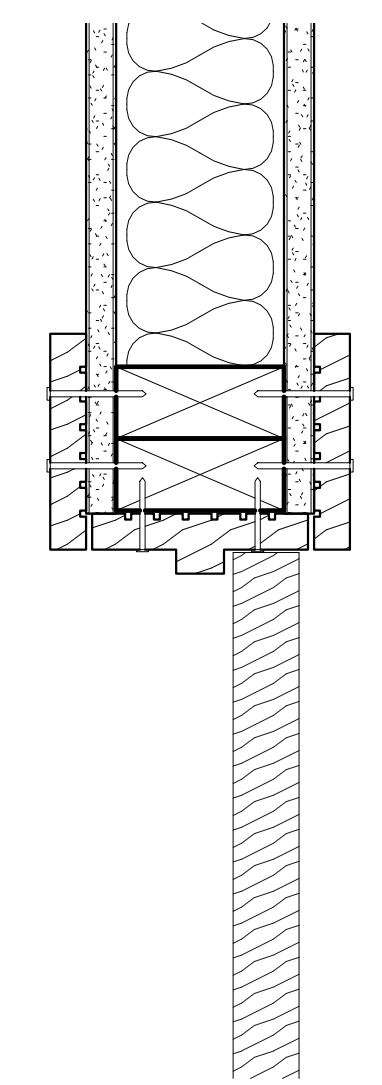
3 Section - Callout 5  
scale: 1 1/2" = 1'-0"



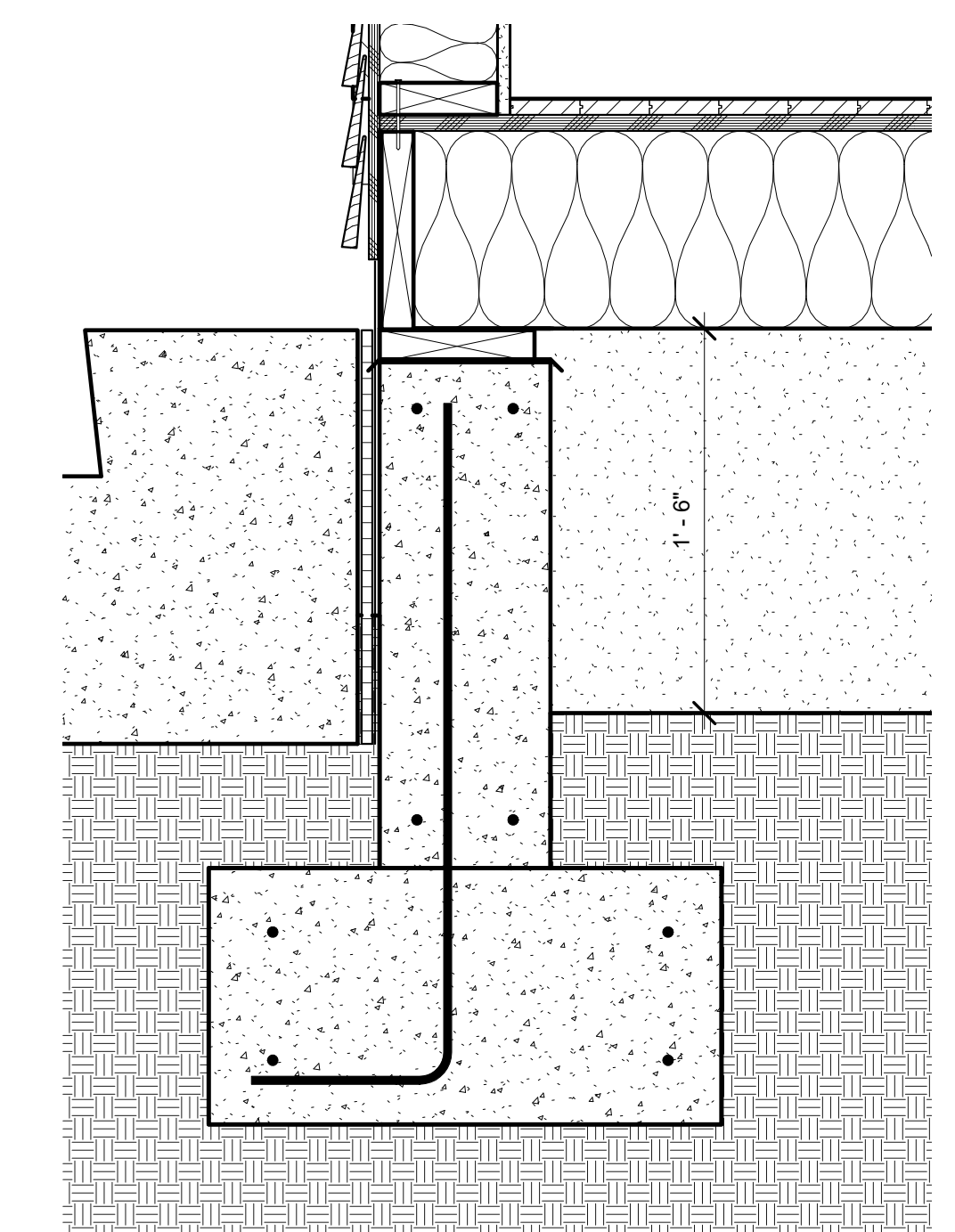
1 WALL SECTION  
scale: 1" = 1'-0"



7 WINDOW SILL  
scale: 3" = 1'-0"



4 DOOR HEAD/JAMB  
scale: 3" = 1'-0"



2 Section - Callout 6  
scale: 1 1/2" = 1'-0"



**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**  
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Calculation Date/Time: 11:36, Tue, Nov 03, 2015  
Calculation Description: Title 24 Analysis  
Input File Name: 663\_Berry\_addition.rbd

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GENERAL INFORMATION									
01	Project Name		Example						
02	Calculation Description		Title 24 Analysis						
03	Project Location		1225 Loma St						
04	City		Los Altos		05	Standards Version		Compliance 2015	
06	Zip Code		94024		07	Compliance Manager Version		BEMCompMgr 2013-4 (744)	
08	Climate Zone		C24		09	Software Version		BRECC-Res 2013-4 (744)	
10	Building Type		Single Family		11	Front Orientation (deg/Cardinal)		220	
12	Project Scope		Addition and/or Alteration		13	Number of Dwelling Units		1	
14	Total Cond. Floor Area (ft²)		3300		15	Number of Zones		2	
16	Slab Area (ft²)		290		17	Number of Stories		1	
18	Addition Cond. Floor Area		172		19	Natural Gas Available		Yes	
20	Addition Slab Area (ft²)		0		21	Glazing Percentage (%)		10.0%	

COMPLIANCE RESULTS	
01	Building Complies with Computer Performance
02	This building DOES NOT require HERS Verification
03	This building incorporates one or more Special Features shown below:

ENERGY USE SUMMARY					
04	05	06	07	08	
Energy Use (kTDV/ft²-yr)	Standard Design	Proposed Design	Compliance Margin	Percent Improvement	
Space Heating	40.35	40.41	0.54	1.3%	
Space Cooling	46.34	46.36	0.58	1.2%	
IAQ Ventilation	0.00	0.00	0.00	0.0%	
Water Heating	9.20	9.20	0.00	0.0%	
Photovoltaic Offset	---	0.00	0.00	---	
Compliance Energy Total	97.89	95.97	1.12	1.2%	

Registration Number: CA Building Energy Efficiency Standards - 2013 Residential Compliance  
Registration Date/Time: Report Version - CF1R-08252015-744  
HERS Provider: Report Generated at: 2015-11-03 11:37:11

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REQUIRED SPECIAL FEATURES	
The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.	
<ul style="list-style-type: none"> <li>Cathedral Ceiling</li> <li>New ductwork added is less than 40 ft. in length</li> </ul>	

HERS FEATURE SUMMARY	
The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building components tables below.	
<b>Building-level Verifications:</b> <ul style="list-style-type: none"> <li>None</li> </ul> <b>Cooling System Verifications:</b> <ul style="list-style-type: none"> <li>None</li> </ul> <b>HVAC Distribution System Verifications:</b> <ul style="list-style-type: none"> <li>None</li> </ul> <b>Domestic Hot Water System Verifications:</b> <ul style="list-style-type: none"> <li>None</li> </ul>	

ENERGY DESIGN RATING				
This is the sum of the annual TDV energy consumption for energy use components included in the performance compliance approach for the Standard Design Building (Energy Budget) and the annual TDV energy consumption for lighting and components not regulated by Title 24, Part 6 (such as domestic appliances and consumer electronics) and accounting for the annual TDV energy offset by an on-site renewable energy system				
Total Energy (kTDV/ft²-yr)*	Reference Energy Use	Energy Design Rating	Margin	Percent Improvement
139.14	139.02	1.12	0.8%	

\*includes calculated Appliances and Miscellaneous Energy Use (AMEU)

BUILDING - FEATURES INFORMATION						
01	02	03	04	05	06	07
Project Name	Conditioned Floor Area (ft²)	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems
Mark and Candice Leonard Residence	3300	1	4	2	0	1

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ZONE INFORMATION									
01	02	03	04	05	06		07		
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (ft²)	Avg. Ceiling Height	Water Heating System 1	Water Heating System 2			
House	Conditioned	HVAC ex	3128	8					
Addition	Conditioned	HVAC ex	172	8					

OPAQUE SURFACES									
01	02	03	04	05	06	07	08	09	10
Name	Zone	Construction	Azimuth	Orientation	Gross Area (ft²)	Window & Door Area (ft²)	Tilt (deg)	Status	Verified Existing Condition
Ex Wall F	House	Wall ex	220	Front	342	64	90	Existing	No
Ex Wall L	House	Wall ex	310	Left	164	16	90	Existing	No
Ex Wall B	House	Wall ex	40	Back	492	123.2	90	Existing	No
Ex Wall R	House	Wall ex	130	Right	425	80	90	Existing	No
Interior WallToGar-ex	House->Garage	Wall Int ex			328	20		Existing	No
Ceiling ex	House	Ceiling attic ex			1549			Existing	No
Ceiling att	House	Ceiling attic new			1564			Altered	N/A
Floor Over Crawlspace ex	House	Floor crawl new			2832			Altered	N/A
Add Wall F	Addition	Wall new	220	Front	257	51.1	90	New	N/A
Add Wall L	Addition	Wall new	310	Left	24	90	90	New	N/A
Add Wall R	Addition	Wall new	130	Right	16	90	90	New	N/A
Ceiling n	Addition	Ceiling attic new			172			New	N/A
Floor Over Crawlspace n	Addition	Floor crawl new			172			New	N/A
Exterior GWall F	Garage	Wall Gar	220	Front	166	112	90	Existing	No
Exterior GWall L	Garage	Wall Gar	310	Left	153	90	90	Existing	No
Exterior GWall B	Garage	Wall Gar	40	Back	160	90	90	Existing	No
Exterior GWall R	Garage	Wall Gar	130	Right	42	90	90	Existing	No
Exterior GWall-135	Garage	Wall Gar	355	135	164	90	90	Existing	No
Ceiling gar	Garage	Ceiling attic ex			650			Existing	No

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OPAQUE SURFACES - Cathedral Ceilings													
01	02	03	04	05	06	07	08	09	10	11	12	13	
Name	Zone	Type	Orientation	Area (ft²)	Skylight Area (ft²)	Roof Rise (x in 12)	Roof Pitch	Roof Tilt(deg)	Roof Reflectance	Roof Emittance	Roof Factor	Status	Verified Existing Condition
Cathedral ex	House	Ceiling cath ex	Back	6	4	0.33	16.43	0.1	0.85	0.07	Existing	No	
Cathedral-att	House	Ceiling cath new	Back	9	6.7	4	0.33	16.43	0.1	0.85	0.07	Altered	N/A

ATTIC									
01	02	03	04	05	06	07	08	09	10
Name	Construction	Type	Roof Rise	Roof Reflectance	Roof Emittance	Radiant Barrier	Cool Roof	Status	Verified Existing Condition
Attic	Tile roof	Ventilated	4	0.1	0.85	No	No	Exist	No
Attic att	Tile roof RB	Ventilated	4	0.1	0.85	Yes	No	Altered	No

WINDOWS										
01	02	03	04	05	06	07	08	09	10	11
Name	Surface (Orientation-Azimuth)	Width(ft)	Height (ft)	Multiplier	Area (ft²)	U-factor	SHGC	Exterior Shading	Status	Verified Existing Condition
Wind-att	Ex Wall F (Front-220)	---	---	1	64.0	0.32	0.25	Insect Screen (default)	Altered	N/A
Wind-ex	Ex Wall L (Left-310)	---	---	1	19.0	1.28	0.60	Insect Screen (default)	Existing	No
GDoor-att	Ex Wall B (Back-40)	---	---	1	71.0	0.32	0.25	Insect Screen (default)	Altered	N/A
Wind-ab-2	Ex Wall R (Back-40)	---	---	1	36.2	0.32	0.25	Insect Screen (default)	Existing	No
Wind-ex-2	Ex Wall B (Back-40)	---	---	1	19.0	1.28	0.60	Insect Screen (default)	Existing	No
GDoor-ex	Ex Wall R (Right-130)	---	---	1	80.0	1.25	0.60	Insect Screen (default)	Existing	No
Skylights-ex	Cathedral-ex (Back-40)	---	---	1	6.0	1.98	0.58	None	Existing	No
Skylights-n	Cathedral-att (Back-40)	---	---	1	6.7	0.32	0.25	None	New	N/A
Window	Add Wall F (Front-220)	---	---	1	31.1	0.32	0.25	Insect Screen (default)	New	N/A

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DOORS						
01	02	03	04	05	06	
Name	Side of Building	Area (ft²)	U-factor	Status	Verified Existing Condition	
Entry-2	Interior WallToGar-ex	20.0	0.50	Existing	No	
Entry-n	Add Wall F	20.0	0.50	New	No	

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OPAQUE SURFACE CONSTRUCTIONS						
01	02	03	04	05	06	07
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Winter Design U-value	Assembly Layers
Tile roof	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.400	<ul style="list-style-type: none"> <li>Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>Roof Deck: Wood Siding/heating/Decking</li> <li>Tile Gap present</li> <li>Roofing: 10 PSF (RoofTile)</li> </ul>
Tile roof RB	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.400	<ul style="list-style-type: none"> <li>Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>Roof Deck: Wood Siding/heating/Decking</li> <li>Tile Gap present</li> <li>Roofing: 10 PSF (RoofTile)</li> </ul>
Wall ex	Exterior Walls	Wood Framed Wall	2x4 @ 16 in. O.C.	none	0.387	<ul style="list-style-type: none"> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: no insul. / 2x4</li> </ul>
Wall new	Exterior Walls	Wood Framed Wall	2x4 @ 16 in. O.C.	R 13	0.104	<ul style="list-style-type: none"> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: R-13 / 2x4</li> </ul>
Wall Gar	Exterior Walls	Wood Framed Wall	2x4 @ 16 in. O.C.	none	0.387	<ul style="list-style-type: none"> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: no insul. / 2x4</li> </ul>
Wall int ex	Interior Walls	Wood Framed Wall	2x4 @ 16 in. O.C.	none	0.277	<ul style="list-style-type: none"> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: R-13 / 2x4</li> <li>Other Side Finish: Gypsum Board</li> </ul>
Floor crawl new	Floors Over Crawlspace	Wood Framed Floor	2x6 @ 16 in. O.C.	R 19	0.049	<ul style="list-style-type: none"> <li>Floor Surface: Carpeted</li> <li>Floor Deck: Wood Siding/heating/Decking</li> <li>Cavity / Frame: no insul. / 2x4</li> </ul>
Ceiling attic ex	Ceilings (below attic)	Wood Framed Ceiling	2x4 @ 16 in. O.C.	none	0.472	<ul style="list-style-type: none"> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: no insul. / 2x4</li> </ul>
Ceiling attic new	Ceilings (below attic)	Wood Framed Ceiling	2x4 @ 24 in. O.C.	R 30	0.032	<ul style="list-style-type: none"> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: R-30 / 2x4</li> <li>Over Floor Joists: R-20 Insul.</li> </ul>
Ceiling cath ex	Cathedral Ceilings	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.494	<ul style="list-style-type: none"> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>Roof Deck: Wood Siding/heating/Decking</li> <li>Roofing: Light Roof (Alpha Siding)</li> </ul>
Ceiling cath new	Cathedral Ceilings	Wood Framed Ceiling	2x10 @ 24 in. O.C.	R 30	0.035	<ul style="list-style-type: none"> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: R-30 / 2x10</li> <li>Roof Deck: Wood Siding/heating/Decking</li> <li>Roofing: Light Roof (Alpha Siding)</li> </ul>

Registration Number: CA Building Energy Efficiency Standards - 2013 Residential Compliance  
Registration Date/Time: Report Version - CF1R-08252015-744  
HERS Provider: Report Generated at: 2015-11-03 11:37:11

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**  
Project Name: Mark and Candice Leonard Residence  
Calculation Date/Time: 11:36, Tue, Nov 03, 2015  
Calculation Description: Title 24 Analysis  
Input File Name: 663\_Berry\_addition.rbd

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SLAB FLOORS								
01	02	03	04	05	06	07	08	09
Name	Zone	Area (ft²)	Perimeter (ft)	Edge Insul. R-value	Carpeted Fraction	Heated	Status	Verified Existing Condition
Slab On Grade ex	House	290	19	None	0.8	No	Existing	No

BUILDING ENVELOPE - HERS VERIFICATION			
01	02	03	04
Quality Insulation Installation (QII)	Quality Installation of Spray Foam Insulation	Building Envelope Air Leakage	CFM50
Not Required	Not Required		---

WATER HEATING SYSTEMS							
01	02	03	04	05	06	07	08
Name	System Type	Distribution Type	Water Heater	Number of Heaters	Solar Fraction (%)	Status	Verified Existing Condition
DHW ex	DHW	Standards	Gas Storage	1	---	Existing	No

WATER HEATERS							
01	02	03	04	05	06	07	08
Name	Heater Element Type	Tank Type	Tank Volume (gal)	Energy Factor or Efficiency	Input Rating	Tank Exterior Insulation R-value	Standby Loss (Fraction)
Gas Storage	Natural Gas	Small Storage	50	0.8 EF	40000-Btu/hr	0	0

WATER HEATING - HERS VERIFICATION						
01	02	03	04	05	06	07
Name	Pipe Insulation	Parallel Piping	Compact Distribution	Point-of Use	Recirculation with Manual Control	Recirculation with Sensor Control
DHW ex	n/a	n/a	n/a	n/a	n/a	n/a

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SPACE CONDITIONING SYSTEMS								
01	02	03	04	05	06	07	08	09
Name	System Type	Heating System	Cooling System	Distribution System	Fan System	Floor Area Served	Status	Verified Existing Condition
HVAC ex	Other Heating and Cooling System	Ex Furnace	Yes	Ex Cooling	Yes	Ducts ex	3300	Existing

HVAC - HEATING SYSTEMS		
01	02	03
Name	Type	Efficiency
Ex Furnace	Chr/Furnace - Fuel-fired central furnace	75 AFUE

HVAC - COOLING SYSTEMS						
01	02	03	04	05	06	07
Name	System Type	EER	SEER	Zoneally Controlled	Multi-speed Compressor	HERS Verification
Ex Cooling	Split/AirCond - Split air conditioning system	7.06	9	No	No	N/A

HVAC - DISTRIBUTION SYSTEMS									
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