

### SITE PLAN NOTES

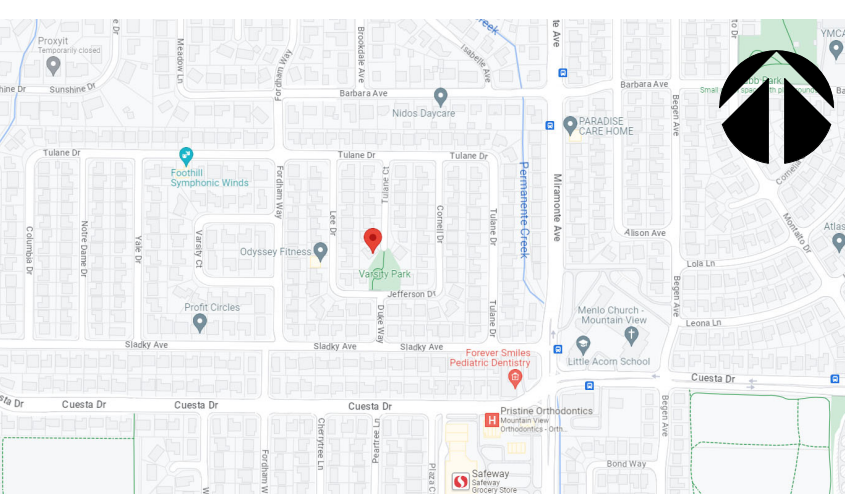
1. DEMOLITION CONTRACTOR SHALL RELOCATE REUSABLE MATERIALS TO DESIGNATED SALVAGE AREA. NON-USABLE MATERIALS SHALL BE PLACED APPROPRIATELY IN REFUSE BIN AND SHALL BE COVERED AT NIGHT AND DURING RELATIVE HIGH WINDS, RAIN, ETC. REFUSE BIN SHALL BE COVERED DURING TRANSFER TO AND FROM DUMP SITE. CONTRACTOR TO BE LIABLE FOR REFUSE SPILLING. ALL DEBRIS TO BE HAULED AWAY AND CLEANUP SHALL BE COMPLETED TO BROOM FINISH. EXISTING MATERIALS AND/OR STRUCTURE TO REMAIN SHALL BE PROTECTED FROM DUST, PAINT CHIPPING, ETC., BY USE OF PLASTIC OR WHATEVER IS REQUIRED FOR PROPER PROTECTION. EXISTING STRUCTURES SHALL HAVE BRACING AND SHORING AS REQUIRED TO PROTECT THE EXISTING STRUCTURE. PROVIDE DE-WATERING FACILITIES FOR CONSTRUCTION AS REQUIRED. COORDINATE AS-BUILT INFORMATION, STRUCTURAL, ETC. TO DESIGNER/ENGINEER AS REQUIRED.

2. THE DISCHARGE OF POLLUTANTS TO ANY STORM DRAINAGE SYSTEM IS PROHIBITED. NO SOIL WASTE, PETROLEUM BYPRODUCTS, SOIL PARTICULATE, CONSTRUCTION WASTE MATERIALS, OR WASTE WATER GENERATED ON CONSTRUCTION SITES OR BY CONSTRUCTION ACTIVITIES SHALL BE PLACED, CONVEYED OR DISCHARGED INTO THE STREET, GUTTER OR STORM DRAIN SYSTEM.

3. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULLBOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

4. WHEN UTILITIES METER ALTERATION / RELOCATION OCCUR, INSTALLATION PROCEDURES SHALL BE VERIFIED AND APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.

### VICINITY MAP



- This project will not significantly impact any Heritage trees.
- The Heritage sized Liquid Ambar tree in the front yard that is co-owned with the neighboring property should be protected with 2x4's approximately 10' on center wrapped in snow fencing to protect it from deliveries and other construction activity during construction.



### GENERAL NOTES

- 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, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
- AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWN STREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING.
- PROVIDE LOW CONSUMPTION WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.
- PROVIDE 72" HIGH NON-ABSORBENT WALL ADJACENT TO SHOWER AND APPROVED SHATTER-RESISTANT MATERIALS FOR SHOWER ENCLOSURE.
- ALL CONSTRUCTION WASTE AND DEBRIS MUST BE CONTAINERIZED AT ALL TIMES.
- FINAL APPROVAL REQUIRED BY THE PUBLIC WORKS DEPARTMENT FOR STREET IMPROVEMENTS, CURB CORES, CURB/GUTTERS, ETC. SEPARATE PUBLIC WORKS PERMIT REQUIRED FOR DRIVEWAYS, APPROACH TO DRIVEWAY, SEWER LATERALS AND ANY WORK IN RIGHT OF WAY.
- ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND AMENDMENTS.
- A SURVEY SHALL BE PROVIDED BY A LICENSED SURVEYOR ON STRUCTURES WHICH DEFINE PROPERTY LINES, SET BACKS, DESIGNATED PARKLAND OR STREET RIGHT-OF-WAY.
- DUST CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
- WATER HEATER MUST BE STRAPPED TO WALL.
- PROVIDE ULTRA FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR WATER CONSUMPTION.
- LAG BOLTS: PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIA. AND FULL DIA. FOR SMOOTH SHANK PORTION. 91 NDS
- BLOCKING, ROOF RAFTERS AND CEILING JOINTS SHALL BE SUPPORTED LATERALLY TO PREVENT ROTATION & LATERAL DISPLACEMENT IN ACCORDANCE WITH THE PROVISIONS OF CH 8 & CH 6
- CONTRACTOR AND/OR OWNER SHALL VERIFY CONSTRUCTION SITE TO CONFIRM THAT THERE IS NO TRACE OF DEMOLISHED SWIMMING POOL WITHIN 5 FT FROM PROPOSED PERIMETER OF THE CONSTRUCTION SITE. OTHERWISE, THEY NEED TO SUBMIT SOIL COMPACTION REPORT FROM LICENSED SOIL ENGINEER TO BUILDING INSPECTOR PRIOR TO FOUNDATION INSPECTION.
- SHEARWALLS, LATHING & PLASTER IN MATERIALS SHALL CONFORM TO THE STANDARD LISTED IN CH 6 & CH 7 CRC
- ALL BOLT HOLES SHALL BE DRILLED 1/32" TO 1/16" OVERSIZED. "ENGINEER" MUST INCLUDE IN STRUCTURAL OBSERVATION NOTES.
- PROVIDE RAIN GUTTERS AND CONVEY RAIN WATER TO THE STREET.
- CONCRETE 3000PSI
- PARALLEL BEAM E 2.0 PSL
- UFER GROUND IS REQUIRED AT NEW ELECTRICAL SERVICE.
- UNDERGROUND UTILITIES REQUIRED ON SITE PLAN AND SHOW FOR ELECTRICAL, CABLE TV, AND TELEPHONE
- ARC FAULT CIRCUIT INTERRUPTION PROTECTION IS REQUIRED FOR ALL BRANCH CIRCUITS PER 2022 CEC210.12 SHALL BE AFCI PROTECTED
- BATHROOMS, KITCHEN, GARAGE & OUTSIDE OUTLETS WILL BE GFCI PROTECTED RECEPTACLE OUTLETS.
- WATER SAVING WATER CLOSET w/1.28 GALLONS PER FLUSH.
- PROVIDE MECHANICAL VENTILATION FOR BATHROOMS AND LAUNDRY ROOMS WITHOUT OPENABLE WINDOW.

- GLAZING WHICH IS LESS THAN 60 INCHES FROM A FLOOR AND WITHIN A 24" ARC OF A DOORWAY'S VERTICAL EDGE MUST COMPLY WITH CH 3 CRC
- LANDINGS AT DOOR, LANDINGS SHALL HAVE A WIDTH NOT LESS THAN THE WIDTH OF THE STAIRWAY OR THE DOOR, WHICHEVER IS GREATER
- EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH A NATURAL LIGHT IN ACCORDANCE WITH CRC R303.1(2)(2)(2) OR SHALL BE PROVIDED AN AVERAGE ILLUMINATION OF 6 FEET-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30' ABOVE THE FLOOR LEVEL.
- THE CONTRACTOR SHALL EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS, SURVEY THE PROPERTY AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE OF WORK. ALL COST SUBMITTED SHALL BE BASED ON A THOROUGH KNOWLEDGE OF ALL WORK AND MATERIALS REQUIRED. ANY DISCREPANCY AND/OR UNCERTAINTY AS TO WHAT MATERIALS OR PRODUCT IS TO BE USED SHOULD BE VERIFIED WITH THE OWNER OR ENGINEER OF RECORD.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE
- IN THE EVENT A DISCREPANCY IS FOUND IN THE CONTRACT DOCUMENTS, THE OWNER AND THE DESIGNER/ENGINEERS SHALL BE NOTIFIED, IN WRITING, IMMEDIATELY
- FIRE SPRINKLER SYSTEMS SHALL BE APPROVED BY OCFIA AND AN APPROVED PLANS SHALL BE INCLUDED IN THE CONSTRUCTION PACKAGE PRIOR TO BUILDING PERMIT ISSUANCE.
- VERIFY WITH AQMD FOR ASBESTOS REMOVAL PROCEDURE AND SUBMIT ASBESTOS REPORT TO BUILDING DIVISION PRIOR TO DEMOLITION PERMIT ISSUANCE.
- TRUSS PACKAGE WITH AN APPROVED STAMP FROM THE ENGINEER OF RECORD SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE.
- LINE AND GRADE CERTIFICATE SHALL BE SUBMITTED TO THE BUILDING INSPECTOR PRIOR TO FOUNDATION INSPECTION.
- A MINIMUM OF 65% OF THE CONSTRUCTION WASTE GENERATED AT THE SITE SHALL BE RECYCLED OR SALVAGED TO MOUNTAIN VIEW RECYCLOGY
- AT LEAST 50% OF THE FRONT YARD WILL BE PERMANENTLY LANDSCAPED.
- THE STAMPING OF THESE PLANS AND SPECIFICATIONS IS NOT AN APPROVAL TO VIOLATE ANY CITY POLICY OR ORDINANCE, COUNTY, STATE OR FEDERAL LAW
- TO OBTAIN DEBRIS BOXES, PLEASE CONTACT RECYCLOGY MOUNTAIN VIEW AT (650) 967-3034, OR THE CITY OF MOUNTAIN VIEW PUBLIC WORKS DEPARTMENT FOR REQUIREMENTS AT (650) 903-6311
- THE ORIGINAL JOB CARD AND APPROVED CONSTRUCTION PLANS MUST BE ON SITE AT TIME OF EACH INSPECTION. THE CONTRACTOR MUST BE PRESENT AT TIME OF FINAL INSPECTION
- STRUCTURES WITHIN 6 FEET OF THE PROPERTY LINE OR REQUIRED SETBACK SHALL PROVIDE A SITE SURVEY CERTIFICATE AND OBTAIN APPROVAL FROM THE CITY PRIOR TO CONCRETE POUR. PRESENT WET-SIGNED CERTIFICATE TO FIELD INSPECTOR FOR VERIFICATION.
- THE (E) ELECTRICAL PANEL CAN SUPPORT THE NEW ELECTRICAL LOAD (AMPS) AND WILL COMPLY WITH ALL THE CITY OF MOUNTAIN VIEW REQUIREMENTS. IF THE EXISTING PANEL SIZE (AMPS) IS NOT SUFFICIENT TO SUPPORT THE NEW ELECTRICAL LOAD, THE PANEL SHALL BE UPGRADED PER THE MOUNTAIN VIEW CITY CODE SEC. 8.51(C) A MINIMUM OF 200 AMPS SERVICE DISCONNECT SHALL BE REQUIRED FOR ONE FAMILY DWELLING AND SEC 8.51(D) A MINIMUM OF 125 AMPS SERVICE DISCONNECT SHALL BE REQUIRED FOR OTHER THAN ONE FAMILY DWELLING.
- IF THE SANTA CLARA VALLEY WATER DISTRICT HAS RECORDS FOR MOST WELLS LOCATED IN THE COUNTY, IT IS ALWAYS POSSIBLE THAT A WELL EXISTS THAT IS NOT IN THE DISTRICT'S RECORDS. IF PREVIOUSLY UNKNOWN WELLS ARE FOUND ON THE SUBJECT PROPERTY DURING DEVELOPMENT, THEY MUST BE PROPERLY DESTROYED UNDER PERMIT FROM THE DISTRICT OR REGISTERED WITH THE DISTRICT AND PROTECTED FROM DAMAGE.
- THE OWNER/DEVELOPER MUST COMPLY WITH THE FOLLOWING STREET CLEANING NOTE, WHICH MUST BE SHOWN ON THE SITE PLANS: "THE PRIME CONTRACTOR OR DEVELOPER IS TO HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM CITY STREETS THAT ARE ATTRIBUTABLE TO THE DEVELOPMENT'S CONSTRUCTION ACTIVITIES. THE STREET CLEANING CONTRACTOR IS TO HAVE THE CAPABILITY OF SWEEPING THE STREETS WITH BOTH A BROOM-TYPE SWEEPER AND A REGENERATIVE AIR VACUUM SWEEPER, AS DIRECTED BY THE PUBLIC WORKS DIRECTOR, OR HIS/HER DESIGNATED REPRESENTATIVE"

### PROJECT DATA

**JURISDICTION HAVING AUTHORITY:** CITY OF Mountain View, CA 94040  
**LEGAL DESCRIPTION:** TRACK 189, LOT 120 18900120  
**ASSESSORS PARCEL NO. APN:** IN FLOOD ZONE FEMA SHFA'S:  
**CONSTRUCTION TYPE:** R-1 RESIDENTIAL  
**OCCUPANCY GROUP:** RSU1  
**SPRINKLERS:** NO  
**NUMBER OF STORIES:** 1 STORY  
**BUILDING MAX HEIGHT:** 12.79 FT, (ALLOWABLE 24 FT)  
**REQUIRED PARKING SPACES:** 2 SPACES, 1 OF WHICH SHALL BE COVERED  
**PROVIDED PARKING SPACES:** 3 UNCOVERED SPACES

**REQUIRED SETBACKS:** FRONT: 20 FT  
 REAR: 20% of the lot depth or 15 ft, whichever is greater, but not more than 40 ft. maximum minimum and 12 ft. total for both sides 15 FT  
**SIDE:** STREET (CONER LOT) SIDE:  
 SETBACKS INDICATE REQUIRED MINIMUM DISTANCE FROM PROPERTY LINES. CONTRACTOR TO VERIFY ON SITE.

**LOT SIZE:** 7,778 SF (0.2ACRES)  
**EXISTING:** (E) MAIN HOUSE LIVING AREA: 1,548 SF  
 122 SF  
**NEW CONSTRUCTION:** (N) ADDITION AREA: 21 SF  
**NEW TOTAL:** 1,569 SF

**MAXIMUM LOT COVERAGE:** N/A  
**OVERALL LOT COVERAGE:** 1548 SF + 122 SF + 21 SF = 1,691 SF  
 1691 SF / 7778 SF = 21.7% OK  
**MAXIMUM FLOOR RATIO (FAR):** 0.50 (0.00001 x 7,778) = 0.42222  
**OVERALL FAR:** 1569 SF / 7778 SF = 20.2 % OK

### SHEET INDEX

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A.30	ROOF PLAN
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02-STRUCTURE	
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SD-1	FOUNDATION DETAILS
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### SCOPE OF WORK

- REMOVAL OF TWO (2) LOAD BEARING WALLS
- KITCHEN REMODEL
- RELOCATE HALF BATHROOM
- KITCHEN AND LAUNDRY ADDITIONS:
- EXTEND THE WINDOWS AT THE BACK OF THE HOUSE
- RAISE CEILING OF (E) FAMILY ROOM, REPLACE DOOR
- MOVE THE LOCATION OF THE ENTRANCE DOOR
- EXISTING: 3 BEDROOM, 1 BATHROOM  
 PROPOSED: 3 BEDROOM, 1.5 BATHROOM

### PROJECT INFORMATION

**OWNER:** Patrick Smith  
 PHONE: 408-242-2046  
 EMAIL: pasmith276@gmail.com  
**DESIGNER:** LEI ZHENG  
 COMPANY: CECILIA HOME  
 PHONE: (510) 909-1933  
 EMAIL: ENGINEER.LEI@GMAIL.COM  
**PROFESSIONAL ENGINEER:** LEI ZHENG  
 COMPANY: CECILIA HOME  
 PHONE: (510) 909-1933  
 EMAIL: ENGINEER.LEI@GMAIL.COM

### APPLICABLE CODE

**LEGAL JURISDICTION:** CITY OF Mountain View, CA  
 THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES:  
 2022 CALIFORNIA RESIDENTIAL CODE  
 2022 CALIFORNIA PLUMBING CODE  
 2022 CALIFORNIA MECHANICAL CODE  
 2022 CALIFORNIA ENERGY CODE  
 2022 CALIFORNIA ELECTRICAL CODE  
 2022 CALIFORNIA GREEN BUILDING STANDARDS  
 REGULATION OF THE STATE AND LOCAL FIRE MARSHALS & CITY ORDINANCE  
 CITY OF Mountain View MUNICIPAL CODE.

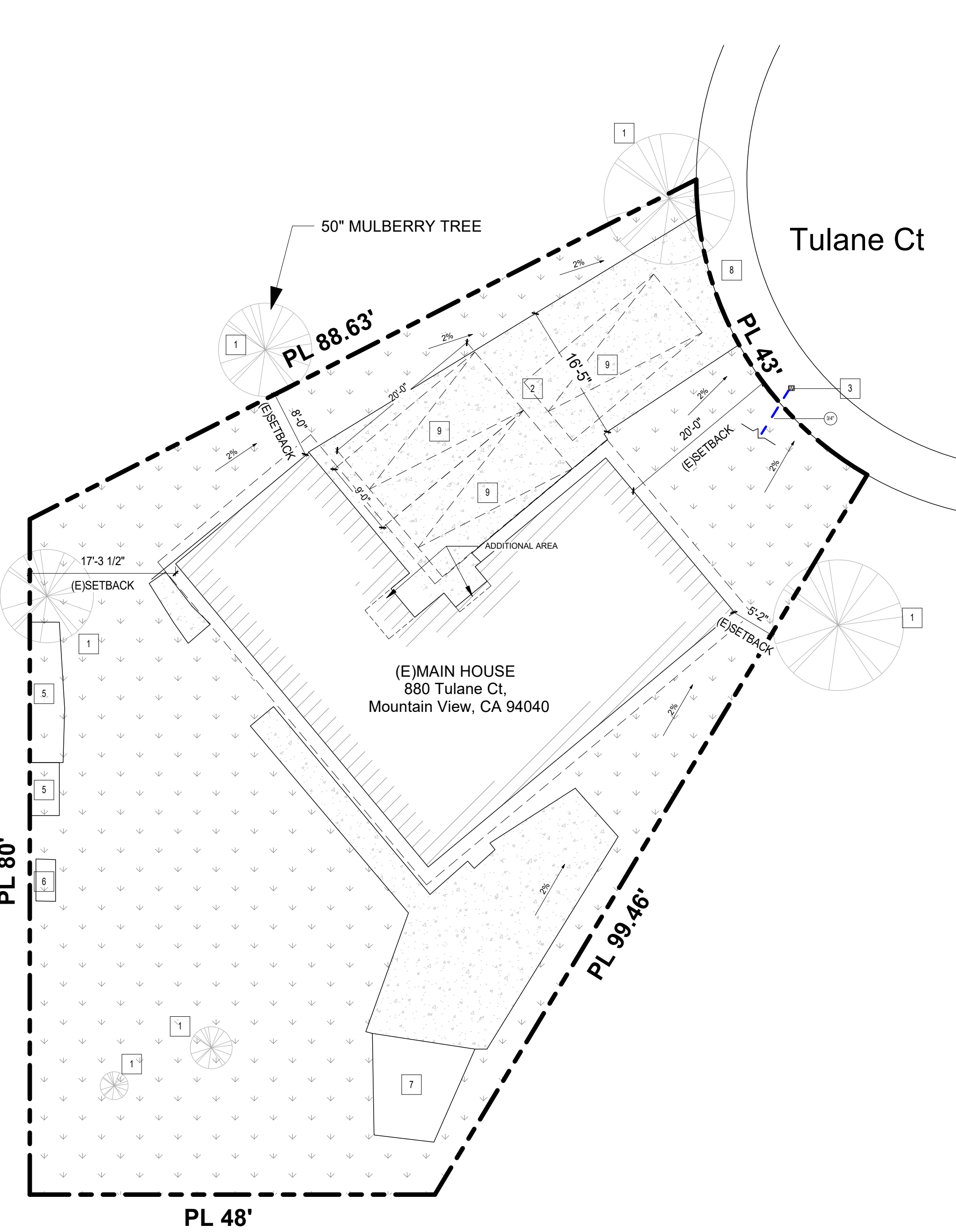
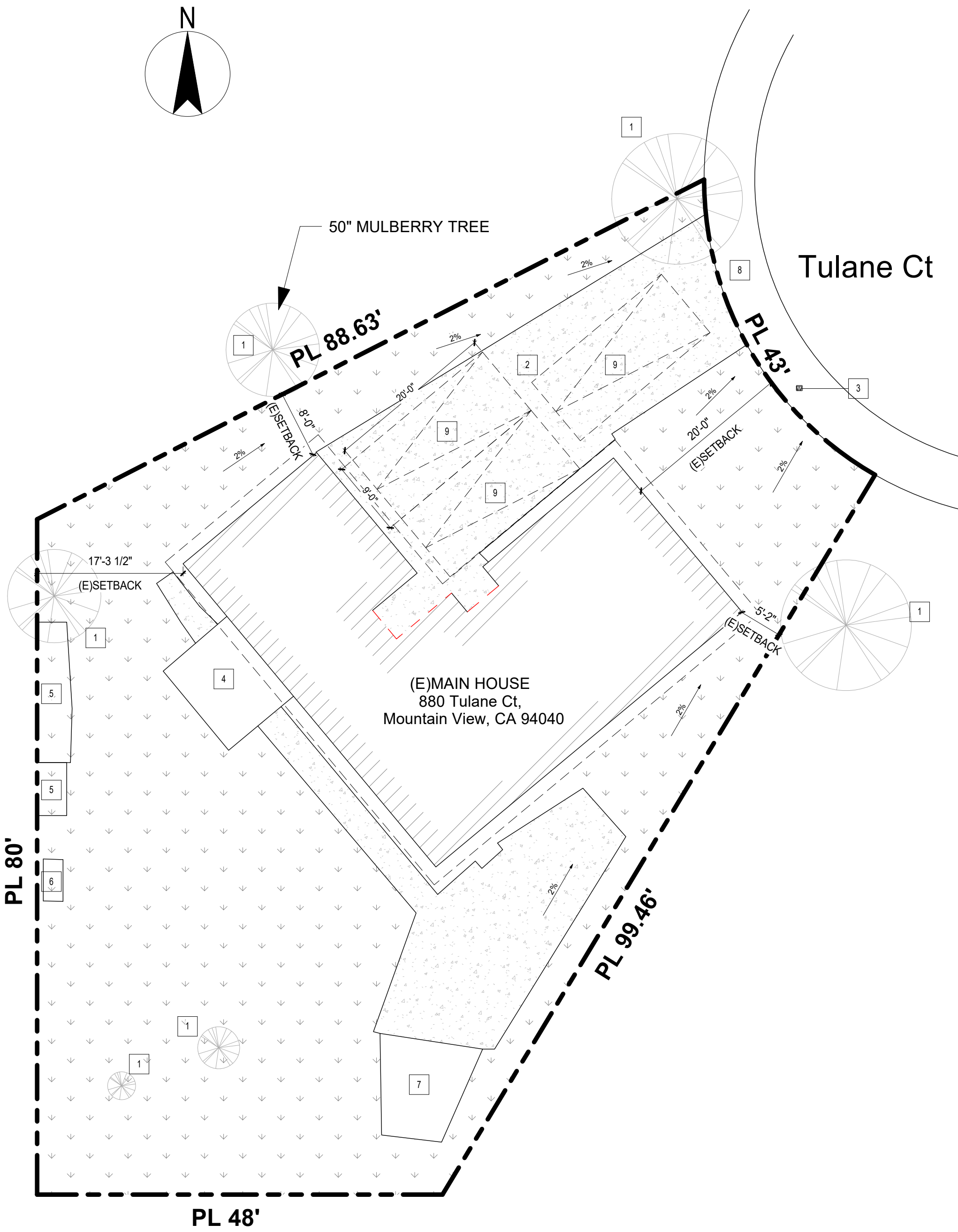
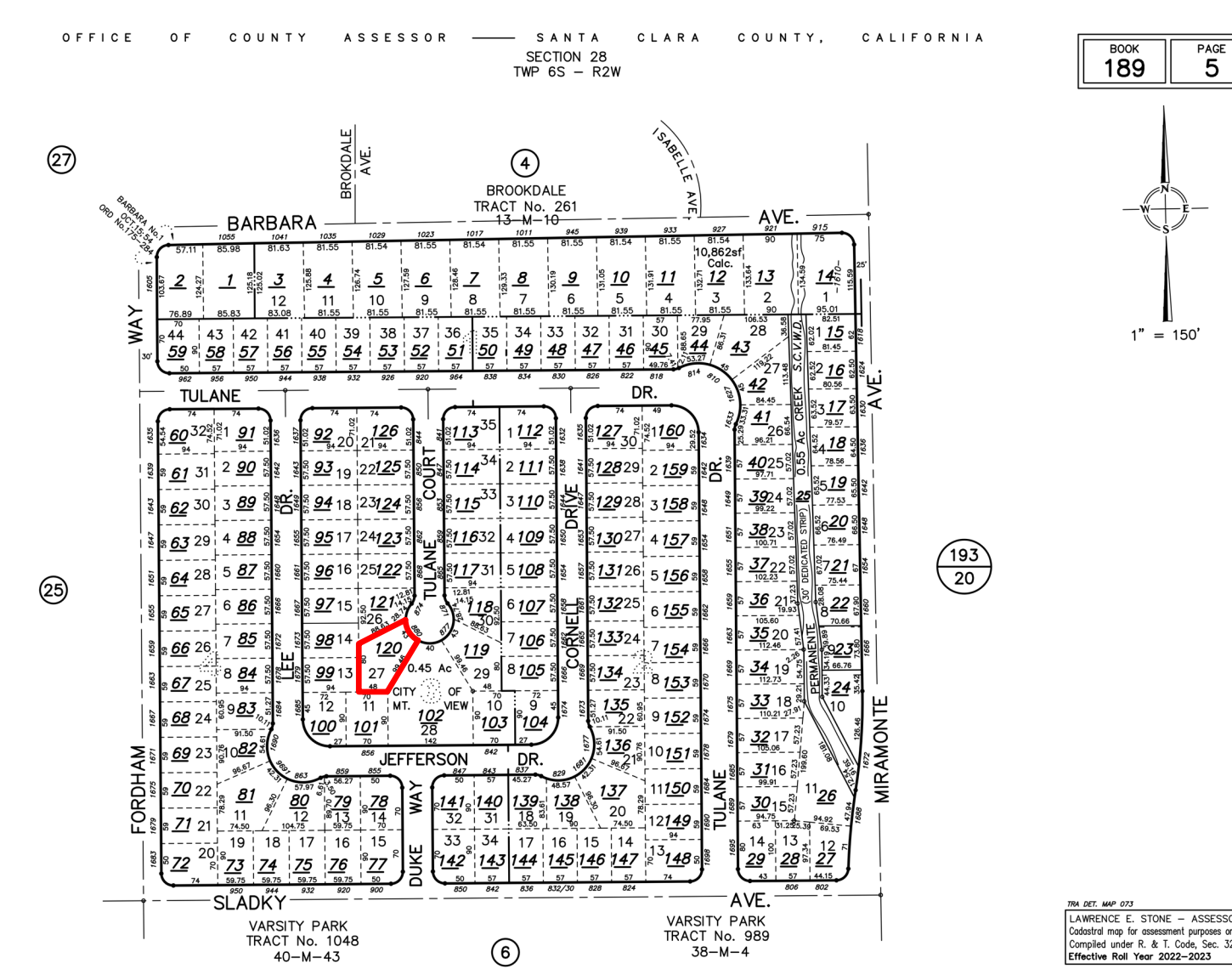
### SYMBOL LEGEND

- DRAINAGE DIRECTION AND SLOPE
- PROPERTY LINE CORNER POINTS AND ELEVATION DATUM
- KEYNOTE CALLOUTS
- EXISTING TO BE REMAINED AND NEW CONSTRUCTION
- EXISTING TO BE DEMOLISHED

### SITE PLAN KEYNOTES

- (E) TREE
- (E) DRIVEWAY
- (E) WATER METER (3/4" SUPPLY LINE SIZE)
- (E) COVER PATIO
- (E) COOP
- (E) IRRIGATION BOX
- (E) PLANTER
- (E) IDEWALK
- 9' X 20' PARKING SPACES

### PARCEL MAP



**(E) SITE PLAN**  
 3/32" = 1'-0"

**(P) SITE PLAN**  
 3/32" = 1'-0"

0 5'-4" 10'-8" 21'-4"  
 SCALE: 3/32" = 1'-0"

Jurisdiction:

WWW.CECILIA123.COM  
 CHIEF ENGINEER: LEI ZHENG (MASON)  
 PHONE: (510) 909-1933  
 EMAIL: ENGINEER.LEI@GMAIL.COM

DURING CONSTRUCTION IF ANY DIFFICULTY OCCUR, PLEASE CONTACT ENGINEER IMMEDIATELY. IF CONTRACTOR DEVIATE FROM THE DRAWING WITHOUT PRIOR APPROVAL FROM ENGINEER, THE CONTRACTOR WILL TAKE ALL THE LIABILITY DUE TO DEVIATION.

**880 Tulane Ct,  
 Mountain View,  
 CA 94040**

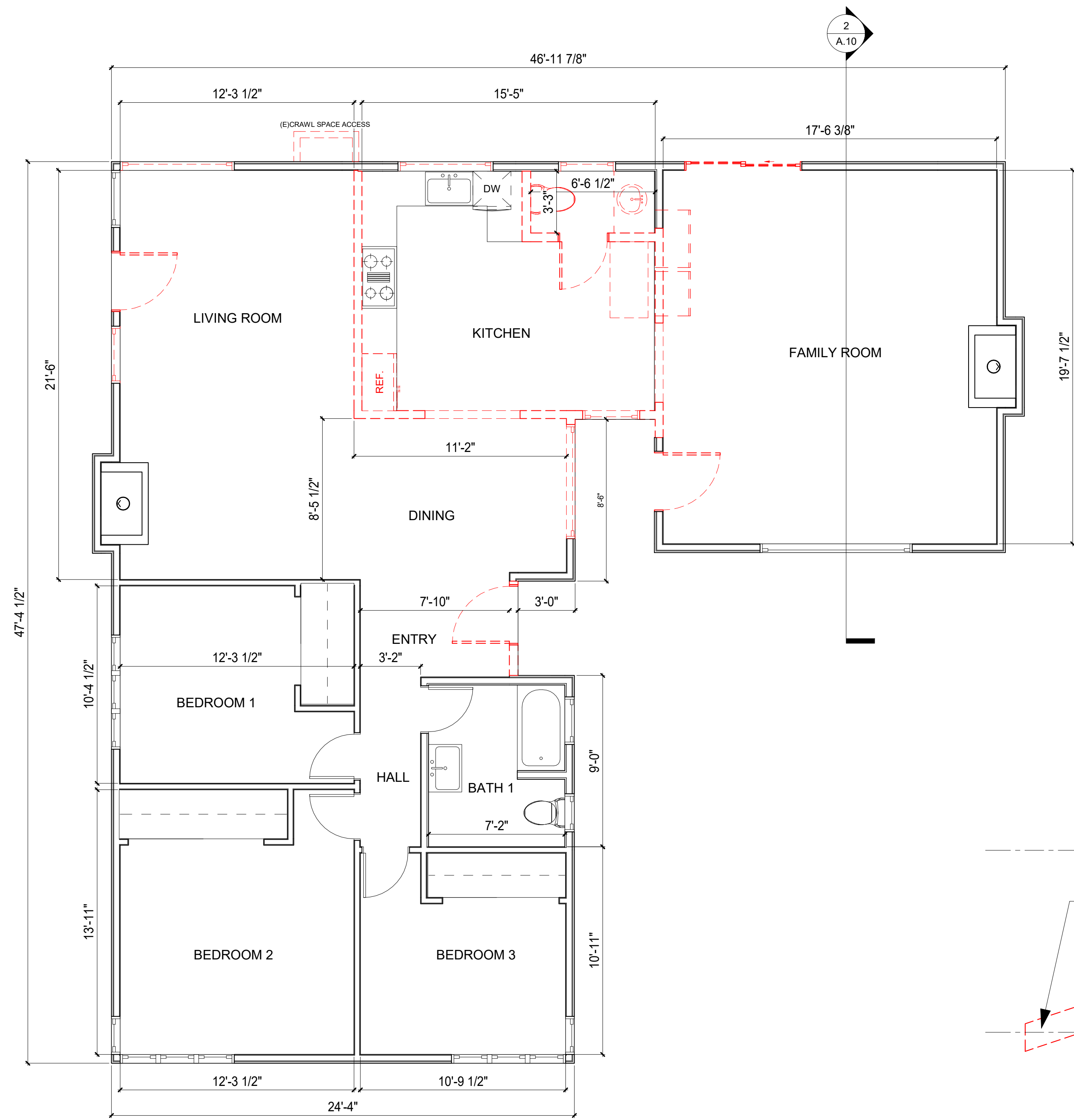
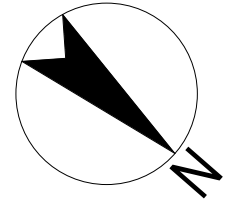
REV.	DESCRIPTION	DATE
0	APPLY FOR PERMITS	07/25/23
1	1ST PLAN CHECK	08/07/23
2	2ND PLAN CHECK	04/07/24

Licenser:

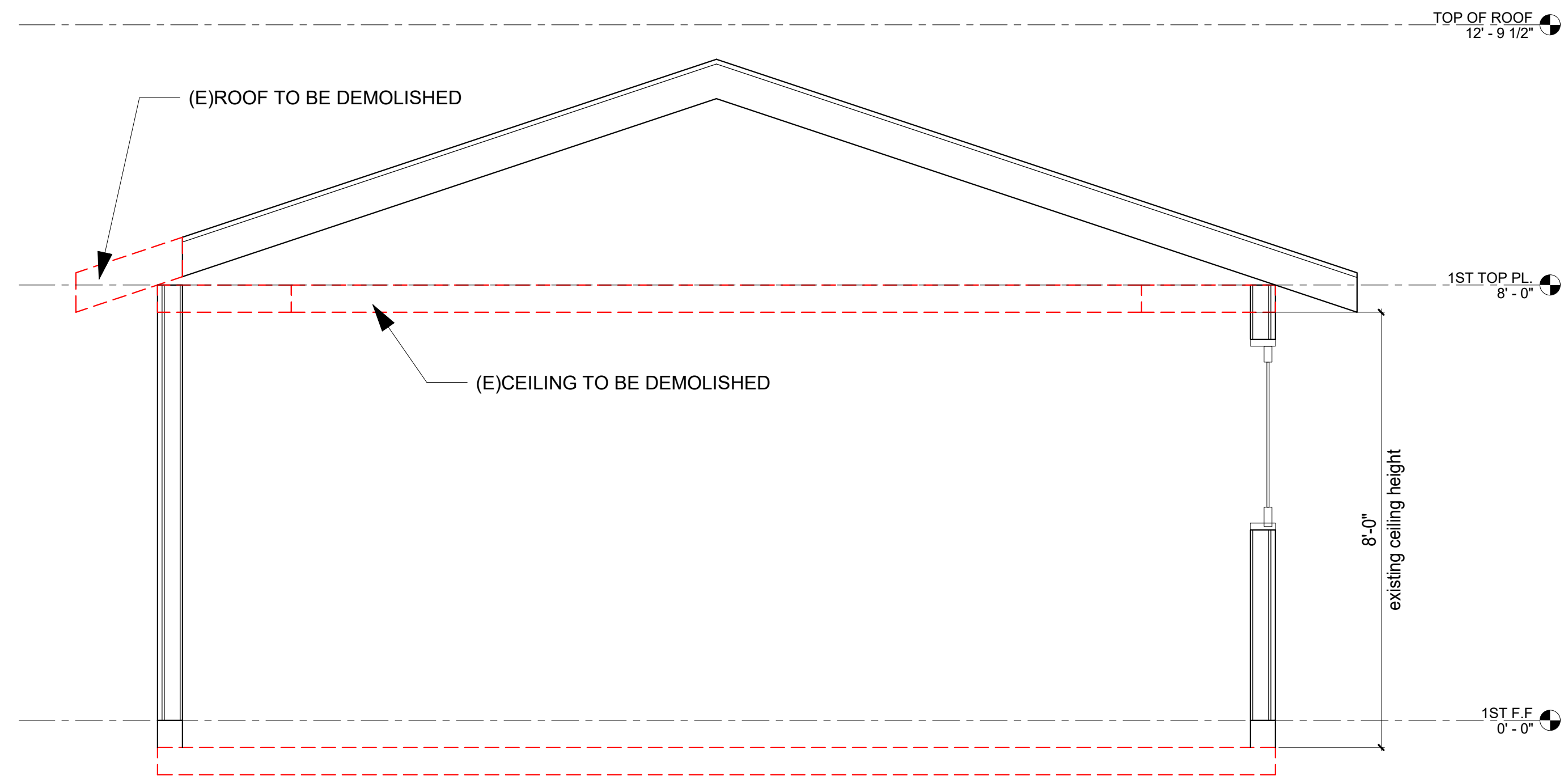
SHEET TITLE:  
**SITE PLAN**

SHEET NUMBER:  
**A.00**





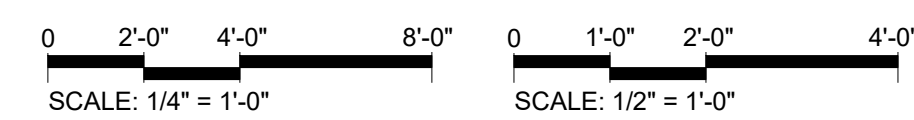
**1ST EXISTING FLOOR PLAN**  
1/4" = 1'-0"



**(E)Section A**  
1/2" = 1'-0"

**LEGEND**

- - - - - EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO BE REMAINED



Jurisdiction:



**CECILIA HOME**

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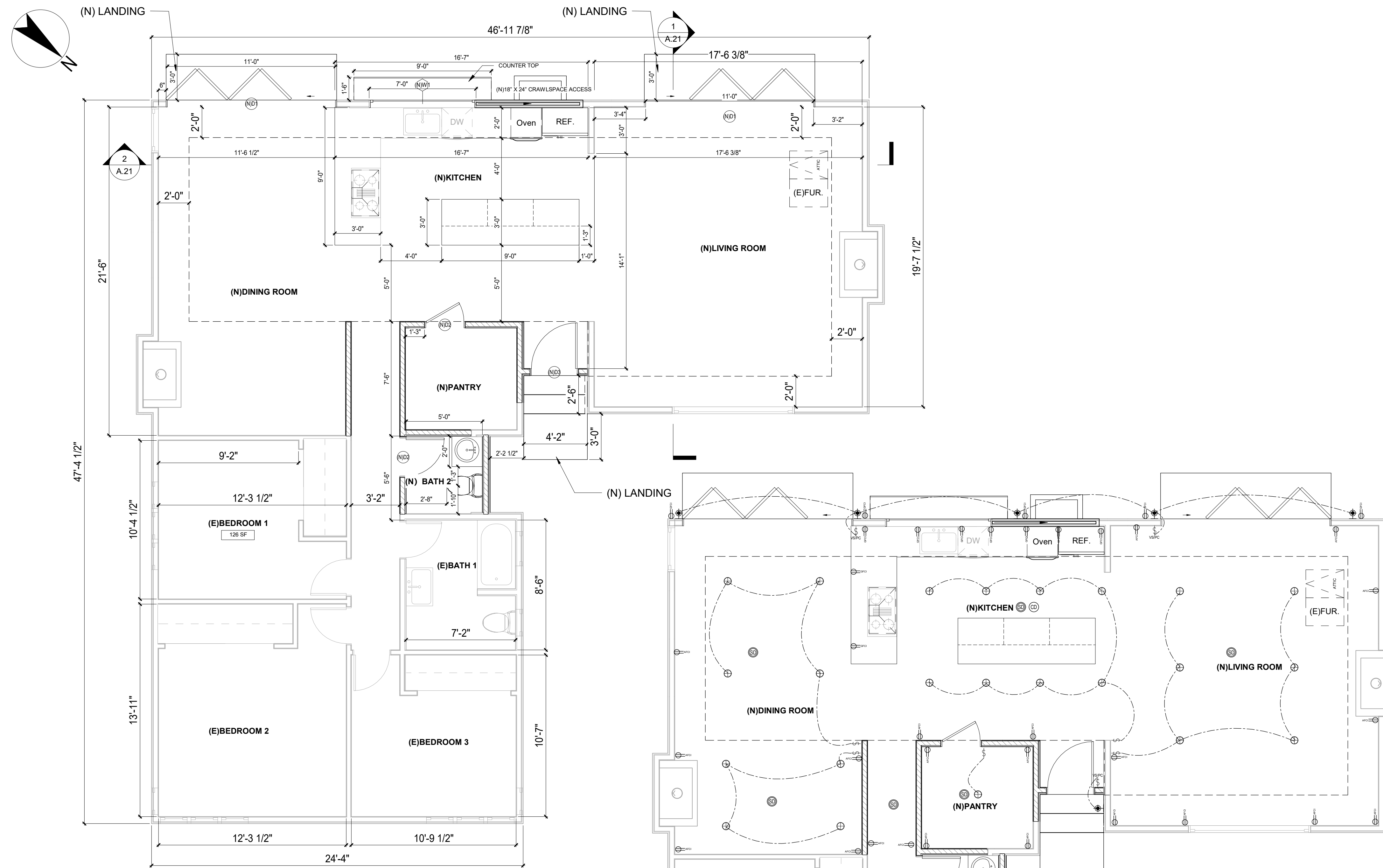


SHEET TITLE:

**(E)FLOOR PLAN &  
SECTION**

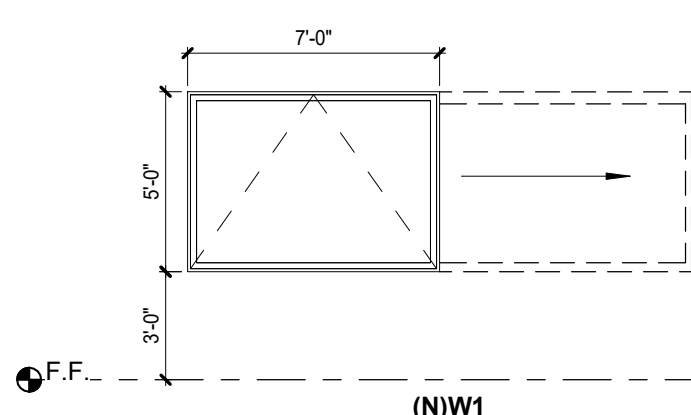
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**A.10**

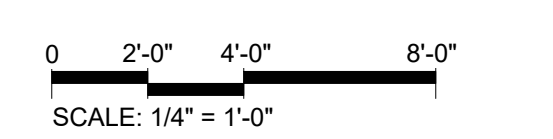


**1ST PROPOSED FLOOR PLAN**  
1/4" = 1'-0"

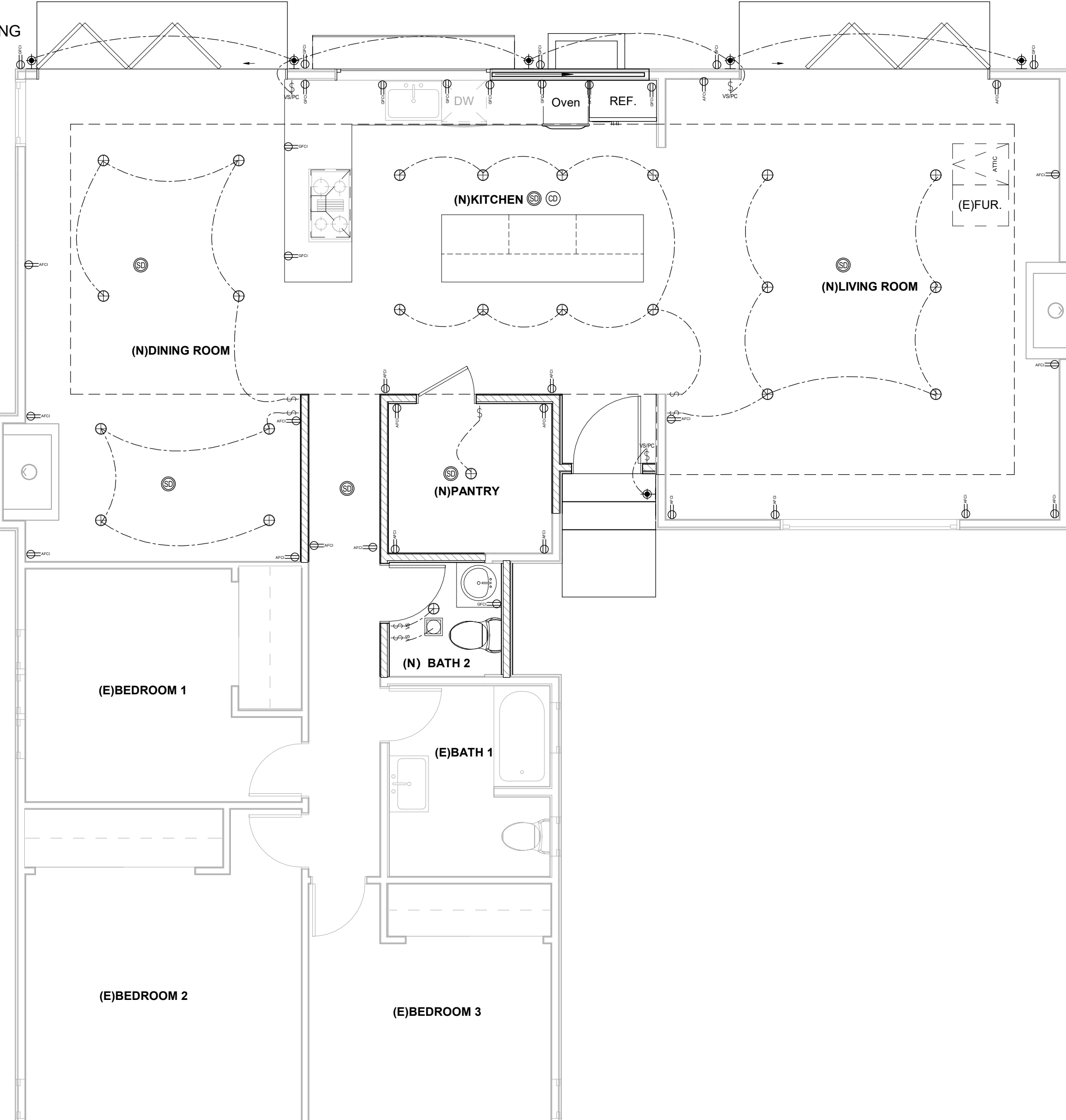
NUMBER	DOOR SIZE	QTY	DESCRIPTION
(N)D1	11'-0" x 8'-0"	2	BI-FOLD DOOR/DUAL-GLASS, TEMPERED, VINYL FRAME, PAINTED FINISH
(N)D2	2'-6" x 6'-8"	2	SOLID CORE 1 PANEL, WOOD FRAME, PAINTED FINISH
(N)D3	3'-0" x 6'-8"	1	EXTERIOR DOOR 1 PANEL/TEMPERED GLASS, VINYL FRAME, PAINTED FINISH
Grand total: 5			



ID	QTY	WINDOW SIZE	DESCRIPTION	SILL HEIGHT	HEAD HEIGHT
(N)W1	1	7'-0" x 5'-0"	POCKET WINDOW, DUAL GLASS/ FIBERGLASS FRAME, SOLID CORE, FIBERGLASS FRAME, FINISH PER MFR.	3'-0"	8'-0"
Grand total: 1					



**1ST CEILING/LIGHTING & POWER PLAN**  
1/4" = 1'-0"



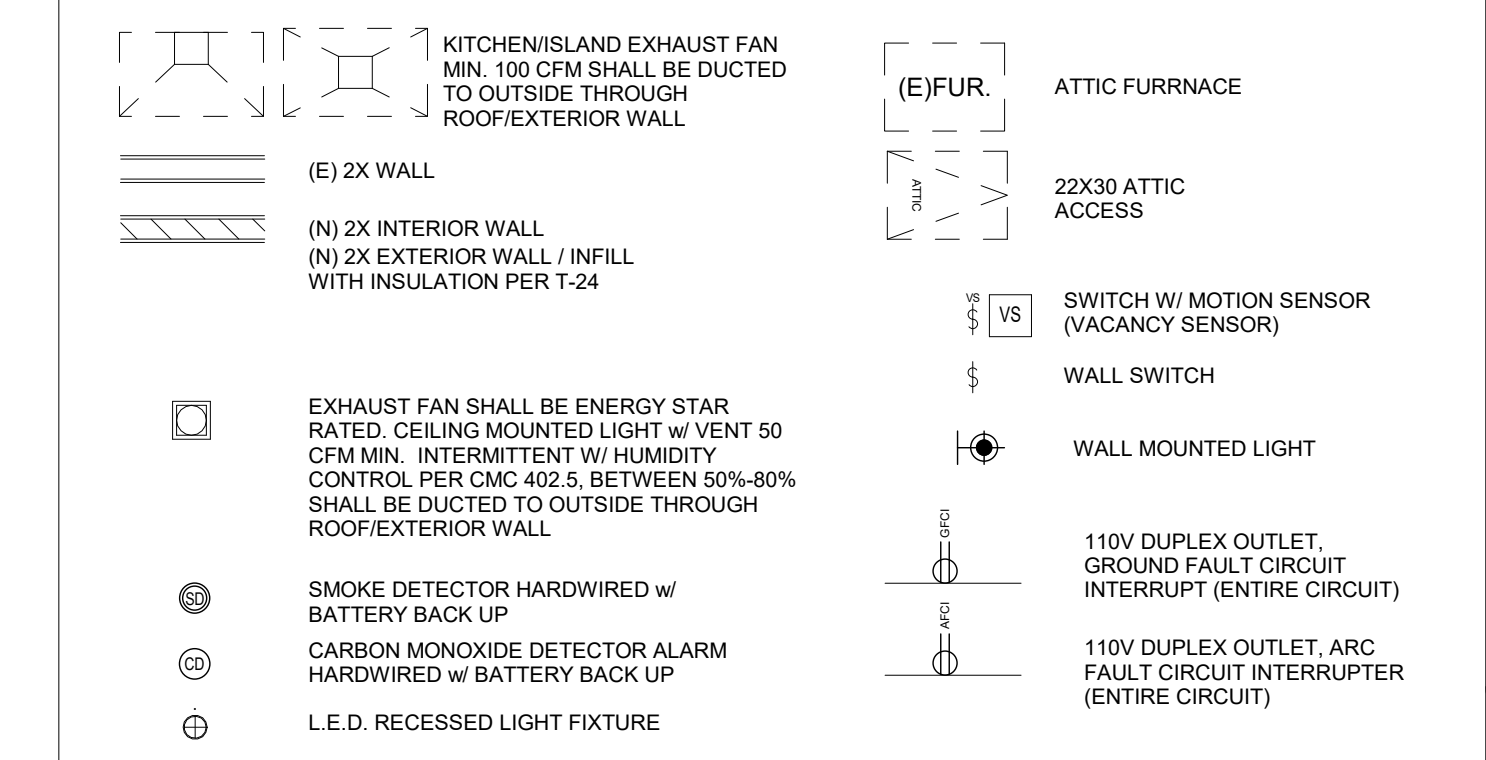
**LIGHTING REQUIREMENTS**

- ALL INSTALLED LUMINAIRES SHALL BE HIGH-EFFICACY IN ACCORDANCE WITH TABLE 150.0-A.
- IN BATHROOMS, GARAGES, LAUNDRY ROOMS, UTILITY ROOMS AND WALK-IN CLOSETS, AT LEAST ONE INSTALLED LUMINAIRE SHALL BE CONTROLLED BY AN OCCUPANCY OR VACANCY SENSOR PROVIDING AUTOMATIC-OFF FUNCTIONALITY. 2022 CEC 150(K)2E
- NO CONTROLS SHALL BYPASS A DIMMER, OCCUPANT SENSOR OR VACANCY SENSOR FUNCTION WHERE THAT DIMMER OR SENSOR HAS BEEN INSTALLED TO COMPLY WITH SECTION 150.0(K).
- LUMINAIRES RECESSED INTO CEILINGS SHALL MEET ALL THE FOLLOWING:
  - SHALL NOT CONTAIN SCREW BASE LAMP SOCKETS, AND
  - HAVE A LABEL THAT CERTIFIES THE LUMINAIRE IS AIRTIGHT WITH AIR LEAKAGE LESS THAN 2.0 CFM AT 75 PASCALS WHEN TESTED IN ACCORDANCE WITH ASTM E283. AN EXHAUST FAN HOUSING WITH INTEGRAL LIGHT SHALL NOT BE REQUIRED TO BE CERTIFIED AIRTIGHT; AND
  - BE SEALED WITH A GASKET OR CAULK BETWEEN THE LUMINAIRE HOUSING AND CEILING, AND HAVE ALL AIR LEAK PATHS BETWEEN CONDITIONED AND UNCONDITIONED SPACES SEALED WITH A GASKET OR CAULK, OR BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN AIRTIGHTNESS BETWEEN THE LUMINAIRE HOUSING AND CEILING; AND
  - MEET THE CLEARANCE AND INSTALLATION REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE SECTION 410.116 FOR RECESSED LUMINAIRES.
- EXCEPTION TO SECTIONS 150.0(K)1C AND iii: RECESSED LUMINAIRES MARKED FOR USE IN FIRE-RATED INSTALLATIONS EXTRUDED INTO CEILING SPACE AND RECESSED LUMINAIRES INSTALLED IN NONINSULATED CEILINGS.
- FOR SINGLE-FAMILY RESIDENTIAL BUILDINGS, OUTDOOR LIGHTING PERMANENTLY MOUNTED TO A RESIDENTIAL BUILDING OR TO OTHER BUILDINGS ON THE SAME LOT SHALL MEET THE REQUIREMENT IN ITEM i AND THE REQUIREMENTS IN EITHER ITEM ii OR ITEM iii:
  - CONTROLLED BY A MANUAL ON AND OFF CONTROL SWITCH THAT PERMITS THE AUTOMATIC ACTIONS OF ITEMS ii OR iii BELOW; AND
  - CONTROLLED BY A PHOTOCELL AND EITHER A MOTION SENSOR OR AN AUTOMATIC TIME SWITCH CONTROL; OR
  - CONTROLLED BY AN ASTRONOMICAL TIME CLOCK CONTROL.
- CONTROLS THAT OVERRIDE TO ON SHALL NOT BE ALLOWED UNLESS THE OVERRIDE AUTOMATICALLY RETURNS THE AUTOMATIC CONTROL TO ITS NORMAL OPERATION WITHIN 6 HOURS. AN ENERGY MANAGEMENT CONTROL SYSTEM THAT PROVIDES THE SPECIFIED LIGHTING CONTROL FUNCTIONALITY AND COMPLIES WITH ALL REQUIREMENTS APPLICABLE TO THE SPECIFIED CONTROLS MAY BE USED TO MEET THESE REQUIREMENTS. 2022 CEC 150(K)3

**FLOOR PLAN NOTES**

- VERIFY ALL APPLIANCE EQUIPMENT AND FIXTURE DIMENSIONS AND INSTALLATION REQUIREMENTS PRIOR TO CASEWORK FABRICATION INSTALLATION.
- FINISH END WALLS OF CABINETS FLANKING OPENING TO MATCH CABINET FACE. PRIME & PAINT EXPOSED GYP. BD. WALL TO MATCH WALLS. INSTALL MATCHING BASE BD.
- EXTEND FLOORING UNDER APPLIANCES RESTING ON FLOOR.
- SHOWER COMPARTMENTS AND WALLS ABOVE BATH TUBS WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A SMOOTH, NON-ABSORBENT SURFACE TO A HEIGHT NOT LESS THAN 70 INCHES ABOVE THE DRAIN INLET.
- OFFSET ALL IMMEDIATELY ADJACENT DOOR OPENINGS 4" FROM PERPENDICULAR WALL, UNO.
- CEILING HEIGHTS INDICATED ARE MEASURED FROM FINISH FLOOR TO BOTTOM OF CEILING FINISH.
- SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:
  - IN EACH SLEEPING ROOM.
  - OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.
  - ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS AND NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS, IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BETWEEN THE ADJACENT LEVELS. A SMOKE ALARM INSTALLED ON THE UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER LEVEL, PROVIDED THAT THE LOWER LEVEL IS LESS THAN ONE FULL STORY BELOW THE UPPER LEVEL.
  - NOT LESS THAN 3 FEET (914 MM) HORIZONTALLY FROM THE DOOR OR OPENING OF A BATHROOM THAT CONTAINS A BATH TUB OR SHOWER UNLESS PREVENT PLACEMENT OF A SMOKE ALARM REQUIRED BY THIS SECTION.
  - IN THE HALLWAY AND IN THE ROOM OPEN TO THE HALLWAY IN DWELLING UNITS WHERE THE CEILING HEIGHT OF A ROOM OPEN TO A HALLWAY SERVING BEDROOMS EXCEEDS THAT OF THE HALLWAY BY 24 INCHES (610 MM) OR MORE. (2022 CRC 314.4)
- WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING OR SLEEPING UNIT, THE SMOKE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED. (2022 CRC 314.4)
- BATHROOM FANS MUST BE ENERGY STAR W/ HUMIDISTAT CONTROLLER AND MUST BE DUCTED TO THE EXTERIOR OF THE BUILDING
- ALL NEW WINDOWS TO BE DUAL PANES TO MEET CURRENT ENERGY STANDARD REQUIREMENTS.
- USE 2x6 STUDS FOR PLUMBING WALL IF NECESSARY.
- PROVIDE BACKING FOR ALL ACCESSORIES, FIXTURES AND WINDOW COVERINGS.
- NO HEATING, COOLING, OR INSULATION IN GARAGE.
- PROVIDE TWO LAYERS OF GRADE D OR 60-MINUTE GRADE D PAPER OVER ALL WOOD BASE SHEATHING AT EXTERIOR WALLS.
- A MINIMUM 0.019-INCH (0.5 MM) (NO. 26 GALVANIZED SHEET GAGE), CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 3/12 INCHES (89 MM), SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS IN ACCORDANCE WITH ASTM C928. THE WEEP SCREED SHALL BE PLACED NOT LESS THAN 4 INCHES (102 MM) ABOVE THE EARTH OR 2 INCHES (51 MM) ABOVE PAVED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE WEATHER-RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE WEEP SCREED. (2022 CRC R703.7.2.1)
- AN ATTIC OR UNDER-FLOOR SPACE IN WHICH AN APPLIANCE IS INSTALLED SHALL BE ACCESSIBLE THROUGH AN OPENING AND PASSAGEWAY NOT LESS THAN THE LARGEST COMPONENT OF THE APPLIANCE, AND NOT LESS THAN 22 INCHES BY 30 INCHES (559 MM BY 762 MM). (2022 CMC 304.4)
  - LENGTH OF PASSAGEWAY WHERE THE HEIGHT OF THE PASSAGEWAY IS LESS THAN 6 FEET (1829 MM), THE DISTANCE FROM THE PASSAGEWAY ACCESS TO THE APPLIANCE SHALL NOT EXCEED 20 FEET (6096 MM) MEASURED ALONG THE CENTERLINE OF THE PASSAGEWAY. (NFPA 54-9.5.1.1)
  - 304.4.2 WIDTH OF PASSAGEWAY THE PASSAGEWAY SHALL BE UNOBSTRUCTED AND SHALL HAVE SOLID FLOORING NOT LESS THAN 24 INCHES (610 MM) WIDE FROM THE ENTRANCE OPENING TO THE APPLIANCE. (NFPA 54-9.5.1.2)
  - 304.4.3 WORK PLATFORM A LEVEL WORKING PLATFORM NOT LESS THAN 30 INCHES BY 30 INCHES (762 MM BY 762 MM) SHALL BE PROVIDED IN FRONT OF THE SERVICE SIDE OF THE APPLIANCE. (NFPA 54-9.5.2) EXCEPTION: A WORKING PLATFORM NEED NOT BE PROVIDED WHERE THE FURNACE IS CAPABLE OF BEING SERVICED FROM THE REQUIRED ACCESS OPENING. THE FURNACE SERVICE SIDE SHALL NOT EXCEED 12 INCHES (305 MM) FROM THE ACCESS OPENING.
  - 304.4.4 LIGHTING AND CONVENIENCE OUTLET A PERMANENT 120V RECEPTACLE OUTLET AND A LUMINAIRE SHALL BE INSTALLED NEAR THE APPLIANCE. THE SWITCH CONTROLLING THE LUMINAIRE SHALL BE LOCATED AT THE ENTRANCE TO THE PASSAGEWAY. (NFPA 54-9.5.3)
- PROVIDE GFI PROTECTION TO ALL 120 VOLT, 15 AND 20 AMP RECEPTACLES INSTALLED AT OUTDOORS, IN BATHROOM, AT COUNTER TOP SURFACES AND GARAGES. (CEC2108(a))
- PROVIDE GFI RECEPTACLES AT BATHROOMS, KITCHEN COUNTERTOP SURFACES, LAUNDRY /MET BAR AREA WITHIN 6FT FROM EDGE OF THE SINKS (CEC 210-8)

**FLOOR PLAN LEGEND**



Jurisdiction:

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During construction if any difficulty occur, please contact engineer immediately. If contractor deviate from the drawing without prior approval from engineer, the contractor will take all the liability due to deviation.

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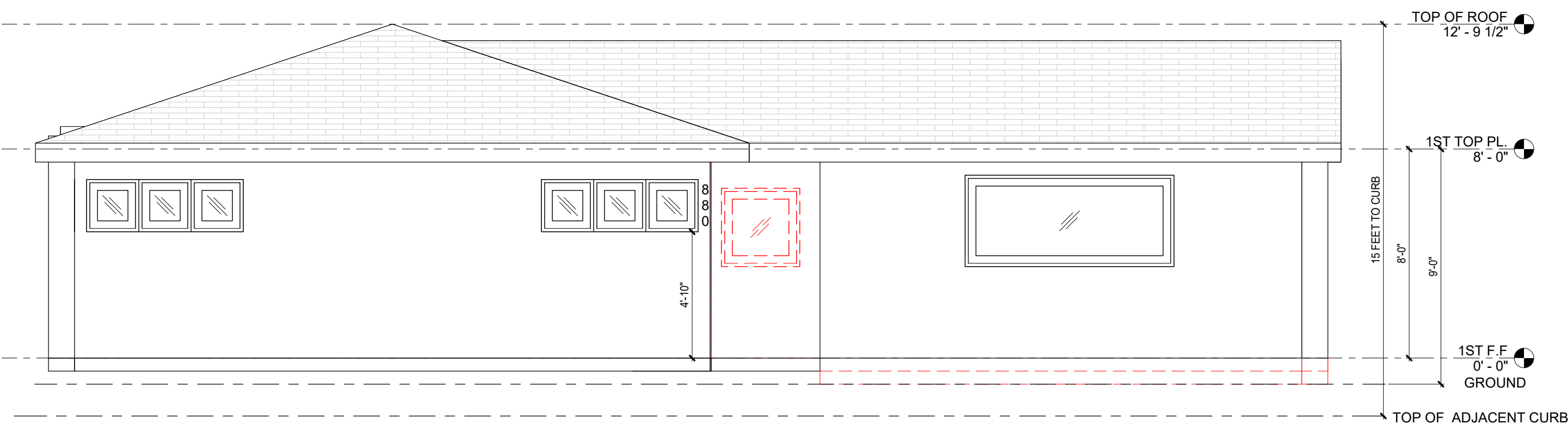
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1	1ST PLAN CHECK	08/07/23
2	2ND PLAN CHECK	04/07/24

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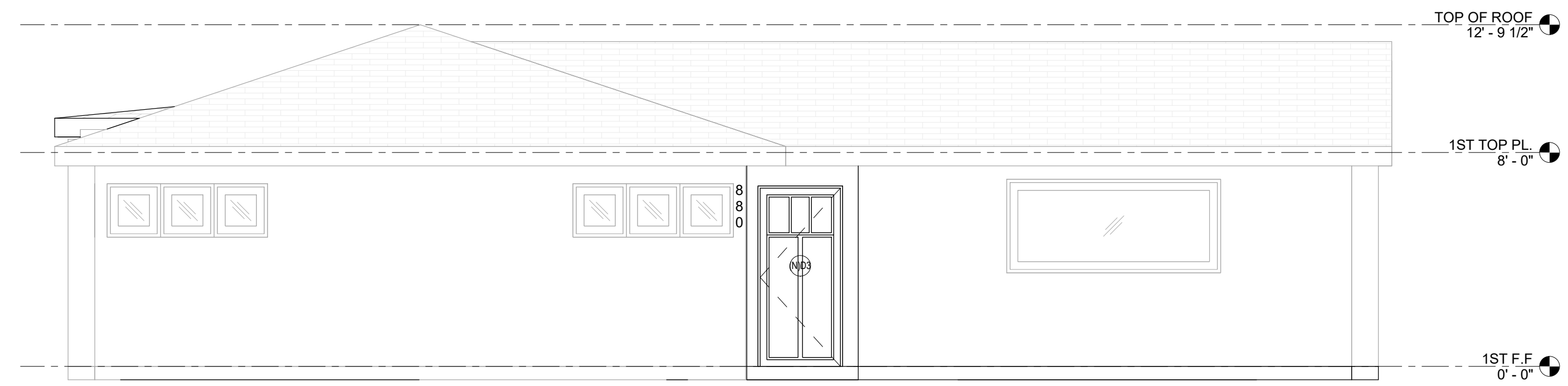
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**PROPOSED FLOOR PLANS & ELECTRICAL PLANS**

SHEET NO:  
**A.11**

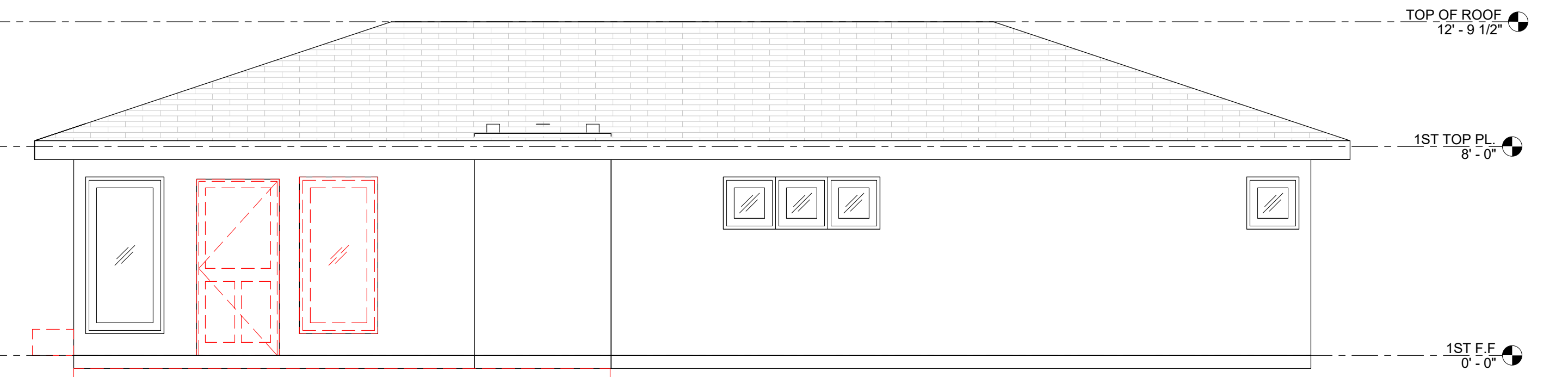




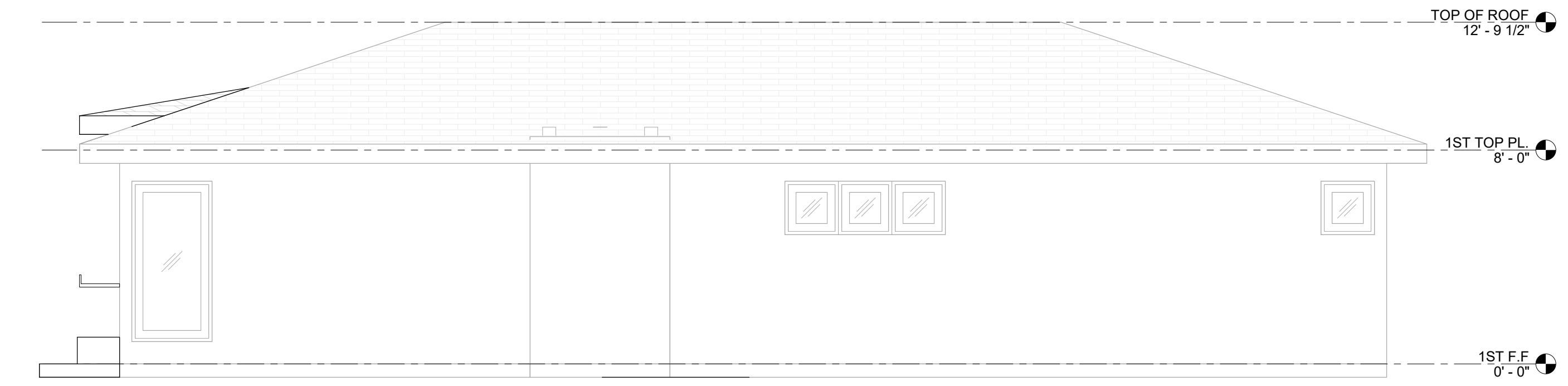
**(E)Elevation Front**  
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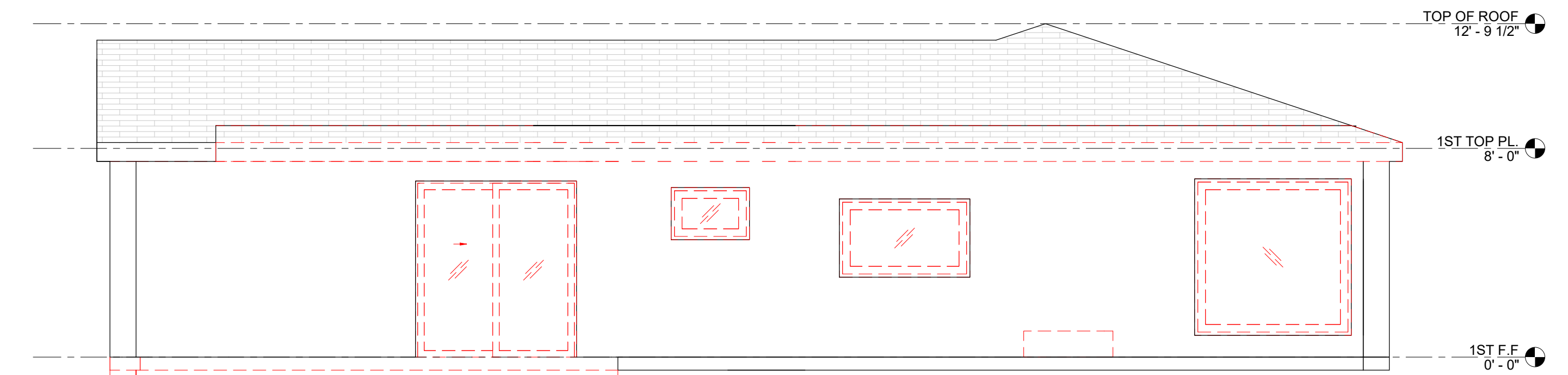
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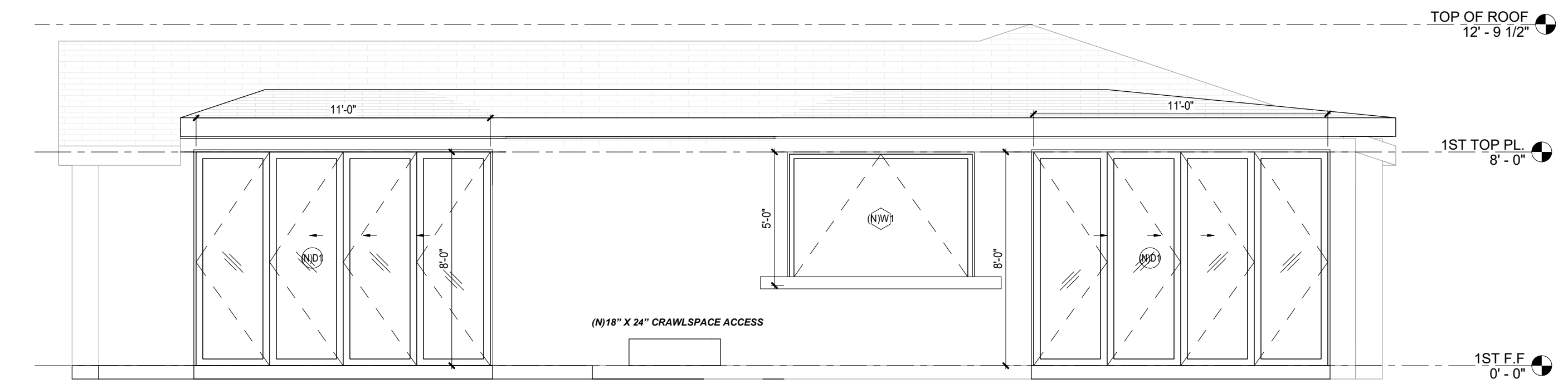
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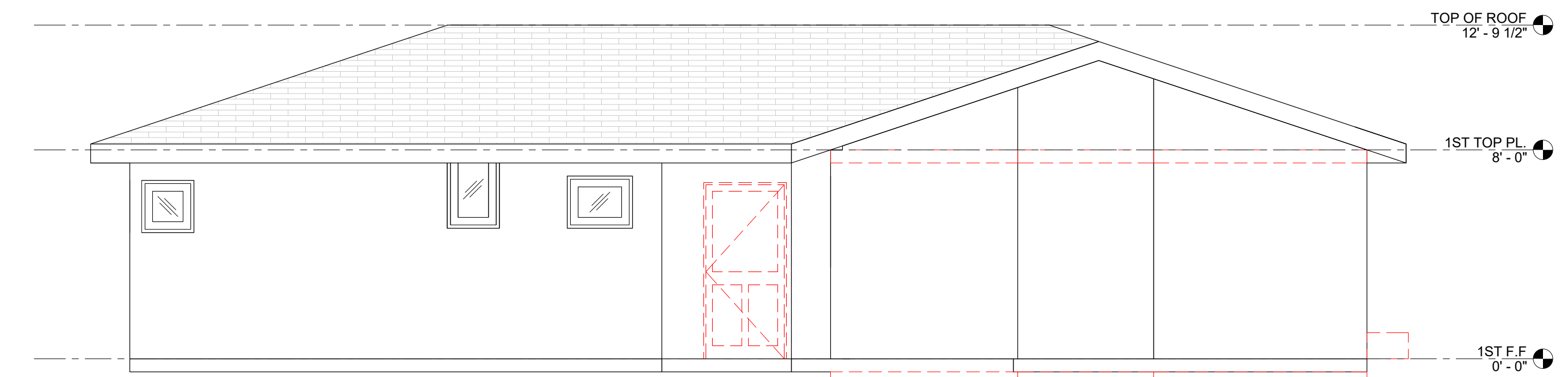
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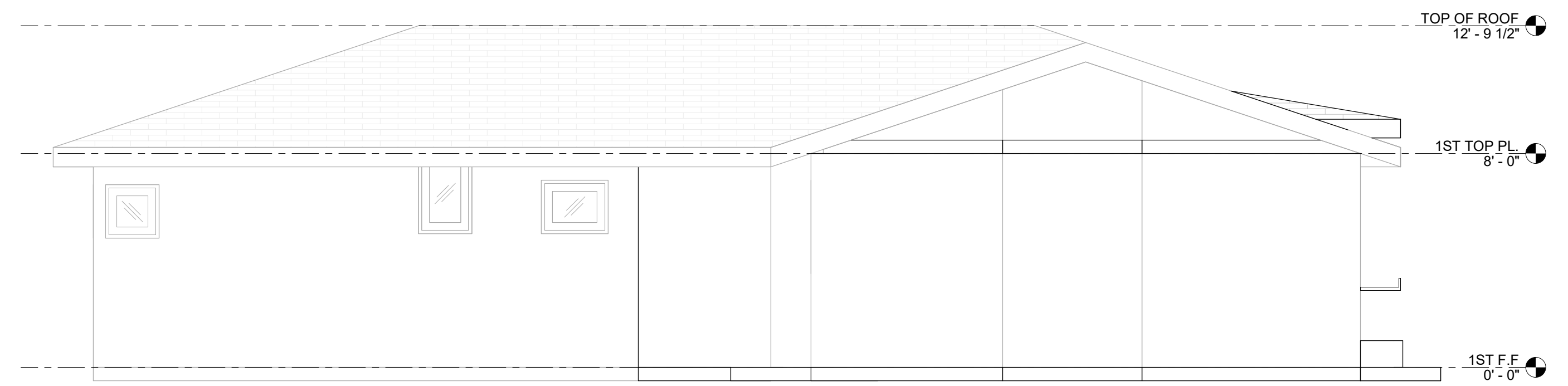
**(E)Elevation Rear**  
1/4" = 1'-0"



**(N)Elevation Rear**  
1/4" = 1'-0"



**(E)Elevation Right**  
1/4" = 1'-0"



**(N)Elevation Right**  
1/4" = 1'-0"

0 2'-0" 4'-0" 8'-0"  
SCALE: 1/4" = 1'-0"

Jurisdiction:

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SHEET TITLE:  
**(E) & (P)  
ELEVATIONS**

SHEET NUMBER:  
**A.20**

## ELEVATION & SECTION NOTES

- IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE PROVIDED TO CUT OFF BOTH VERTICAL AND HORIZONTAL CONCEALED DRAFT OPENINGS AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. (CRC R302.11.)
- THE REQUIRED QUALITY MARK ON EACH PIECE OF PRESSURE-PRESERVATIVE-TREATED LUMBER OR PLYWOOD SHALL CONTAIN THE FOLLOWING INFORMATION:  
 A. IDENTIFICATION OF THE TREATING PLANT.  
 B. TYPE OF PRESERVATIVE.  
 C. THE MINIMUM PRESERVATIVE RETENTION.  
 D. END USE FOR WHICH THE PRODUCT WAS TREATED.  
 E. STANDARD TO WHICH THE PRODUCT WAS TREATED.  
 F. IDENTITY OF THE APPROVED INSPECTION AGENCY.  
 G. THE DESIGNATION "DRY," IF APPLICABLE.  
 EXCEPTION: QUALITY MARKS ON LUMBER LESS THAN 1 INCH (25 MM) NOMINAL THICKNESS, OR LUMBER LESS THAN NOMINAL 1 INCH BY 5 INCHES (25 MM BY 127 MM) OR 2 INCHES BY 4 INCHES (51 MM BY 102 MM) OR LUMBER 36 INCHES (914 MM) OR LESS IN LENGTH SHALL BE APPLIED BY STAMPING THE FACES OF EXTERIOR PIECES OR BY END LABELING NOT LESS THAN 25 PERCENT OF THE PIECES OF A BUNDLED UNIT. (CRC R317.2.1.)
- ALL WALLS TO BE SMOOTH FINISH U.N.O.
- CONTRACTOR TO INCLUDE ALL FINISH AND COLOR SPECIFIED BY OWNER AND INTERIOR DESIGNER.
- CONTRACTOR TO VERIFY W/ OWNER'S INTERIOR DESIGNER FOR MATERIAL SELECTION AND COLOR PRIOR TO FINAL PRICING AND CONSTRUCTION.
- MIN. 3/8" CDX PLYWOOD THROUGH-OUT @ OUTSIDE FACE OF WALL
- CONTRACTOR TO INCLUDE INSULATION OF CLOSET ORGANIZER. (SELECTED BY OWNER)
- CONTRACTOR TO VERIFY ALL OWNER'S APPLIANCE MANUAL SPEC. PRIOR TO CONSTRUCTION.
- DESIGN BUILT CABINET TO FIT
- ALL INTERIOR, DOOR, WINDOW SIDE, HEAD AND SILL TO BE MOLDING
- EXTERIOR CONCRETE LANDING TO COMPLY 2019 CRC R311.3  
 A. THERE SHALL BE A LANDING OR FLOOR ON EACH SIDE OF EACH EXTERIOR DOOR. THE WIDTH OF EACH LANDING SHALL BE NOT LESS THAN THE DOOR SERVED. EVERY LANDING SHALL HAVE A DIMENSION OF NOT LESS THAN 36 INCHES MEASURED IN THE DIRECTION OF TRAVEL. THE SLOPE AT EXTERIOR LANDINGS SHALL NOT EXCEED 1/4 UNIT VERTICAL IN 12 UNITS HORIZONTAL (2 PERCENT).  
 B. LANDINGS AT THE REQUIRED DOOR SHALL NOT MORE THAN 1 1/2 INCHES LOWER THAN THE TOP OF THE THRESHOLD. EXCEPTION: THE LANDING SHALL BE NOT MORE THAN 7/32 INCHES BELOW THE TOP OF THE THRESHOLD PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING
- SURFACE DRAINAGE SHALL BE DIVERTED TO A STORM SEWER CONVEYANCE OR OTHER APPROVED POINT OF COLLECTION THAT DOES NOT CREATE A HAZARD. LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL NOT FEWER THAN 6 INCHES (152 MM) WITHIN THE FIRST 10 FEET (3048 MM).  
 EXCEPTION: WHERE LOT LINES, WALLS, SLOPES OR OTHER PHYSICAL BARRIERS PROHIBIT 6 INCHES (152 MM) OF FALL WITHIN 10 FEET (3048 MM), DRAINS OR SWALES SHALL BE CONSTRUCTED TO ENSURE DRAINAGE AWAY FROM THE STRUCTURE. IMPERVIOUS SURFACES WITHIN 10 FEET (3048 MM) OF THE BUILDING FOUNDATION SHALL BE SLOPED NOT LESS THAN 2 PERCENT AWAY FROM THE BUILDING. (CRC R401.3)

Jurisdiction:



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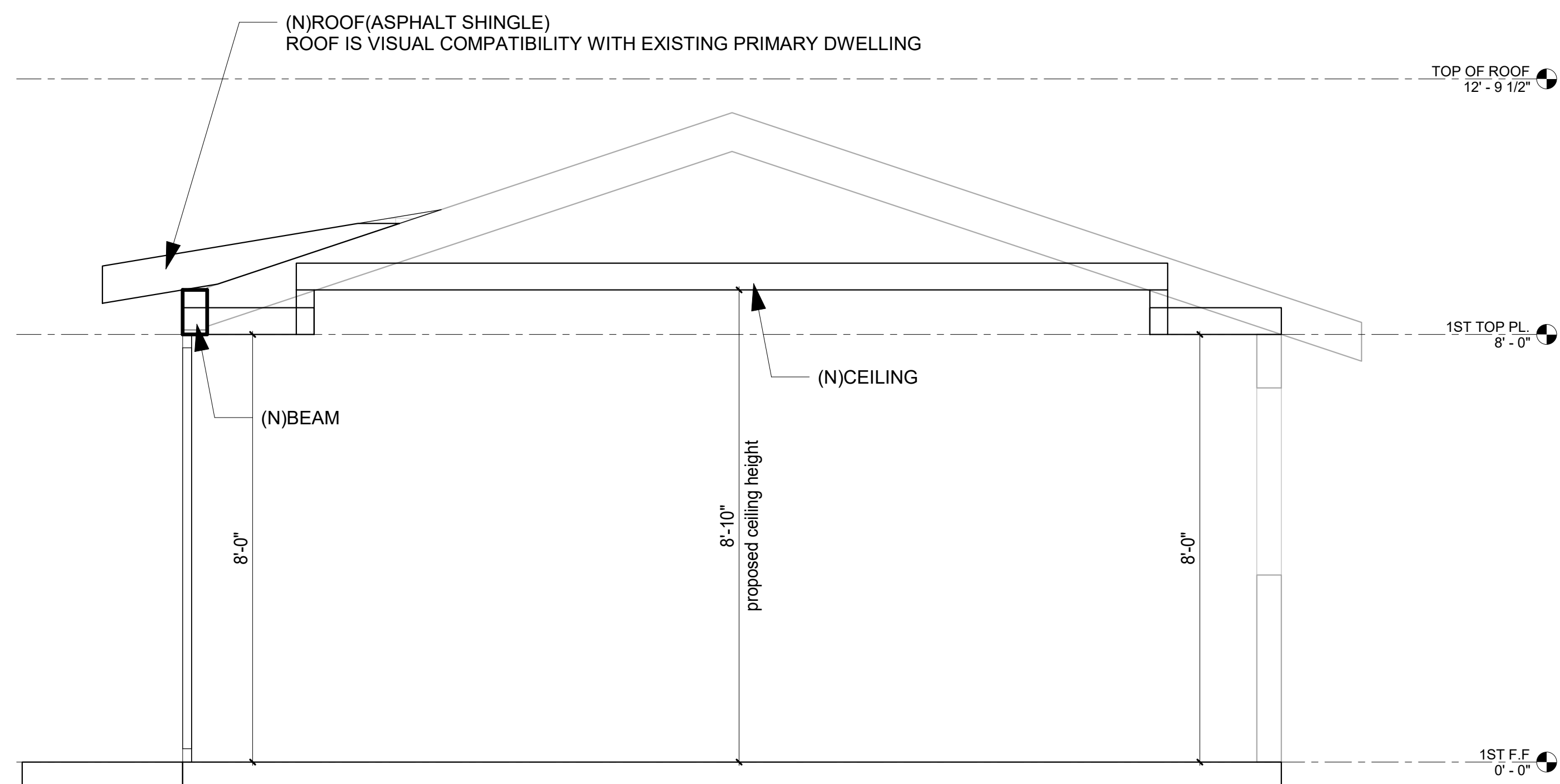


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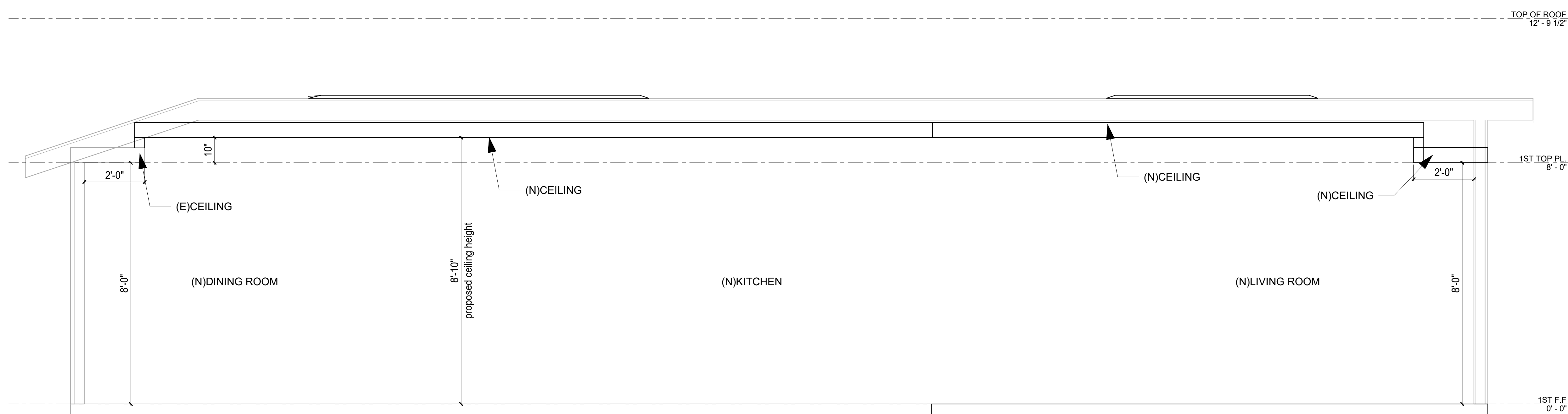
(P)SECTION

SHEET NUMBER:

A.21



**(P)Section B**  
 1/2" = 1'-0"



**(P)Section C**  
 1/2" = 1'-0"

0 1'-0" 2'-0" 4'-0"  
 SCALE: 1/2" = 1'-0"



**ROOF VENTILATION NOTES: (2022 CRC R806)**

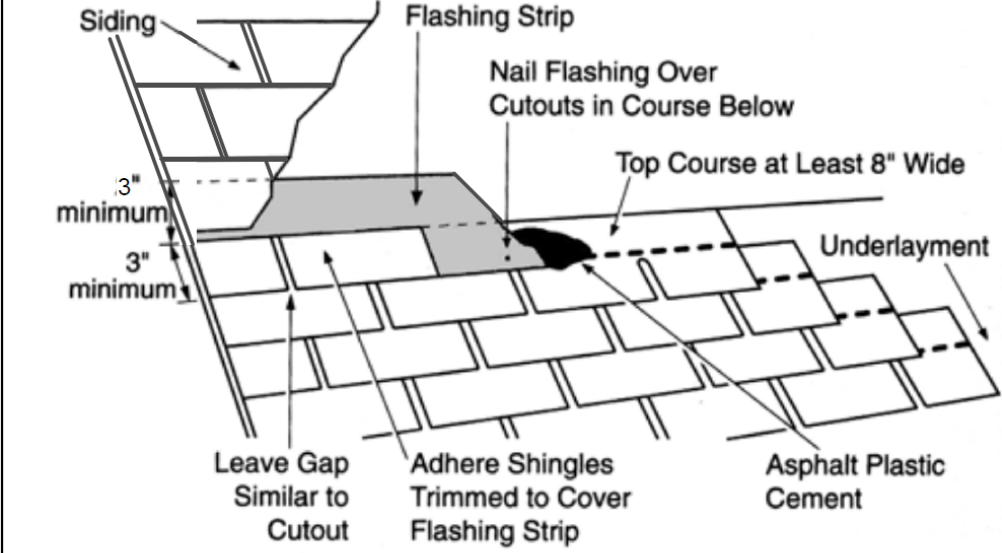
- ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATION OPENINGS SHALL HAVE A LEAST DIMENSION OF 1/16 INCH (1.6 MM) MINIMUM AND 1/4 INCH (6.4 MM) MAXIMUM. VENTILATION OPENINGS HAVING A LEAST DIMENSION LARGER THAN 1/4 INCH (6.4 MM) SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF 1/16 INCH (1.6 MM) MINIMUM AND 1/4 INCH (6.4 MM) MAXIMUM. OPENINGS IN ROOF FRAMING MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF SECTION R802.7. REQUIRED VENTILATION OPENINGS SHALL OPEN DIRECTLY TO THE OUTSIDE AIR AND SHALL BE PROTECTED TO PREVENT THE ENTRY OF BIRDS, RODENTS, SNAKES AND OTHER SIMILAR CREATURES.
- THE MINIMUM NET FREE VENTILATING AREA SHALL BE 1/150 OF THE AREA OF THE VENTED SPACE. EXCEPTION: THE MINIMUM NET FREE VENTILATING AREA SHALL BE 1/300 OF THE VENTED SPACE PROVIDED BOTH OF THE FOLLOWING CONDITIONS ARE MET:
  - IN CLIMATE ZONES 6, 7 AND 8, A CLASS I OR II VAPOR RETARDER IS INSTALLED ON THE WARM-IN-WINTER SIDE OF THE CEILING.
  - NOT LESS THAN 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET (914 MM) BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE. MEASURED VERTICALLY. THE BALANCE OF THE REQUIRED VENTILATION PROVIDED SHALL BE LOCATED IN THE BOTTOM ONE-THIRD OF THE ATTIC SPACE. WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET (914 MM) BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED.
- WHERE EAVE OR CORNICE VENTS ARE INSTALLED, BLOCKING, BRIDGING AND INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. NOT LESS THAN A 1-INCH (25 MM) SPACE SHALL BE PROVIDED BETWEEN THE INSULATION AND THE ROOF SHEATHING AND AT THE LOCATION OF THE VENT.
- VENTILATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. INSTALLATION OF VENTILATORS IN ROOF SYSTEMS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION R903. INSTALLATION OF VENTILATORS IN WALL SYSTEMS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION R703.1.

- UNVENTED ATTICS AND UNVENTED ENCLOSED ROOF FRAMING ASSEMBLIES CREATED BY CEILINGS THAT ARE APPLIED DIRECTLY TO THE UNDERSIDE OF THE ROOF FRAMING MEMBERS/RAFTERS, SHALL BE PERMITTED WHERE ALL THE FOLLOWING CONDITIONS ARE MET:
  - THE UNVENTED ATTIC SPACE IS COMPLETELY WITHIN THE BUILDING THERMAL ENVELOPE.
  - INTERIOR CLASS I VAPOR RETARDERS ARE NOT INSTALLED ON THE CEILING SIDE (ATTIC FLOOR) OF THE UNVENTED ATTIC ASSEMBLY OR ON THE CEILING SIDE OF THE UNVENTED ENCLOSED ROOF FRAMING ASSEMBLY.
  - WHERE WOOD SHINGLES OR SHAKES ARE USED, A MINIMUM 1/4-INCH (6.4 MM) VENTED AIRSPACE SEPARATES THE SHINGLES OR SHAKES AND THE ROOFING UNDERLAYMENT ABOVE THE STRUCTURAL SHEATHING.
  - IN CLIMATE ZONES 5, 6, 7 AND 8, ANY AIR-IMPERMEABLE INSULATION SHALL BE A CLASS II VAPOR RETARDER, OR SHALL HAVE A CLASS II VAPOR RETARDER COATING OR COVERING IN DIRECT CONTACT WITH THE UNDERSIDE OF THE INSULATION.
    - INSULATION SHALL COMPLY WITH ITEM 5.3 AND EITHER ITEM 5.1 OR 5.2.
    - ITEM 5.1, 5.1.1, 5.1.2, 5.1.3 OR 5.1.4 SHALL BE MET, DEPENDING ON THE AIR PERMEABILITY OF THE INSULATION DIRECTLY UNDER THE STRUCTURAL ROOF SHEATHING.
      - WHERE ONLY AIR-IMPERMEABLE INSULATION IS PROVIDED, IT SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING.
      - WHERE AIR-PERMEABLE INSULATION IS INSTALLED DIRECTLY BELOW THE STRUCTURAL ROOF SHEATHING, RIGID BOARD OR SHEET INSULATION SHALL BE INSTALLED DIRECTLY ABOVE THE STRUCTURAL ROOF SHEATHING IN ACCORDANCE WITH THE R-VALUES IN TABLE R806.5 FOR CONDENSATION CONTROL.
      - WHERE BOTH AIR-IMPERMEABLE AND AIR-PERMEABLE INSULATION ARE PROVIDED, THE AIR-IMPERMEABLE INSULATION SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING IN ACCORDANCE WITH ITEM 5.1.1 AND SHALL BE IN ACCORDANCE WITH THE R-VALUES IN TABLE R806.5 FOR CONDENSATION CONTROL. THE AIR-PERMEABLE INSULATION SHALL BE INSTALLED DIRECTLY UNDER THE AIR-IMPERMEABLE INSULATION.
      - ALTERNATIVELY, SUFFICIENT RIGID BOARD OR SHEET INSULATION SHALL BE INSTALLED DIRECTLY ABOVE THE STRUCTURAL ROOF SHEATHING TO MAINTAIN THE MONTHLY AVERAGE TEMPERATURE OF THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING ABOVE 45°F (7°C). FOR CALCULATION PURPOSES, AN INTERIOR AIR TEMPERATURE OF 68°F (20°C) IS ASSUMED AND THE EXTERIOR AIR TEMPERATURE IS ASSUMED TO BE THE MONTHLY AVERAGE OUTSIDE AIR TEMPERATURE OF THE THREE COLDEST MONTHS.

- IN CLIMATE ZONES 1, 2 AND 3, AIR-PERMEABLE INSULATION INSTALLED IN UNVENTED ATTICS SHALL MEET THE FOLLOWING REQUIREMENTS:
  - AN APPROVED VAPOR DIFFUSION PORT SHALL BE INSTALLED NOT MORE THAN 12 INCHES (305 MM) FROM THE HIGHEST POINT OF THE ROOF, MEASURED VERTICALLY FROM THE HIGHEST POINT OF THE ROOF TO THE LOWER EDGE OF THE PORT.
  - THE PORT AREA SHALL BE GREATER THAN OR EQUAL TO 1/600 OF THE CEILING AREA, WHERE THERE ARE MULTIPLE PORTS IN THE ATTIC, THE SUM OF THE PORT AREAS SHALL BE GREATER THAN OR EQUAL TO THE AREA REQUIREMENT.
  - THE VAPOR-PERMEABLE MEMBRANE IN THE VAPOR DIFFUSION PORT SHALL HAVE A VAPOR PERMEANCE RATING OF GREATER THAN OR EQUAL TO 20 PERMS WHEN TESTED IN ACCORDANCE WITH PROCEDURE A OF ASTM E96.
  - THE VAPOR DIFFUSION PORT SHALL SERVE AS AN AIR BARRIER BETWEEN THE ATTIC AND THE EXTERIOR OF THE BUILDING.
  - THE VAPOR DIFFUSION PORT SHALL PROTECT THE ATTIC AGAINST THE ENTRANCE OF RAIN AND SNOW.
  - FRAMING MEMBERS AND BLOCKING SHALL NOT BLOCK THE FREE FLOW OF WATER VAPOR TO THE PORT. NOT LESS THAN A 2-INCH (51 MM) SPACE SHALL BE PROVIDED BETWEEN ANY BLOCKING AND THE ROOF SHEATHING. AIR-PERMEABLE INSULATION SHALL BE PERMITTED WITHIN THAT SPACE.
  - THE ROOF SLOPE SHALL BE GREATER THAN OR EQUAL TO 3:12 (VERTICAL/HORIZONTAL).
  - WHERE ONLY AIR-PERMEABLE INSULATION IS USED, IT SHALL BE INSTALLED DIRECTLY BELOW THE STRUCTURAL ROOF SHEATHING, ON TOP OF THE ATTIC FLOOR, OR ON TOP OF THE CEILING.
  - AIR-IMPERMEABLE INSULATION, WHEN USED IN CONJUNCTION WITH AIR-PERMEABLE INSULATION, SHALL BE INSTALLED ABOVE OR BELOW THE STRUCTURAL ROOF SHEATHING AND IS NOT REQUIRED TO MEET THE R-VALUE IN TABLE R806.5, WHERE DIRECTLY BELOW THE STRUCTURAL ROOF SHEATHING, THERE SHALL BE NO SPACE BETWEEN THE AIR-IMPERMEABLE INSULATION AND AIR-PERMEABLE INSULATION.
  - WHERE AIR-PERMEABLE INSULATION IS USED AND IS INSTALLED DIRECTLY BELOW THE ROOF STRUCTURAL SHEATHING, AIR SHALL BE SUPPLIED AT A FLOW RATE GREATER THAN OR EQUAL TO 50 CFM (23.8 L/S) PER 1,000 SQUARE FEET (93 M<sup>2</sup>) OF CEILING. THE AIR SHALL BE SUPPLIED FROM DUCTWORK PROVIDING SUPPLY AIR TO THE OCCUPIABLE SPACE WHEN THE CONDITIONING SYSTEM IS OPERATING. ALTERNATIVELY, THE AIR SHALL BE SUPPLIED BY A SUPPLY FAN WHEN THE CONDITIONING SYSTEM IS OPERATING.
    - WHERE BOTH AIR-IMPERMEABLE AND AIR-PERMEABLE INSULATION ARE USED, AND THE R-VALUE IN TABLE 806.5 IS MET, AIR SUPPLY TO THE ATTIC IS NOT REQUIRED.
    - WHERE ONLY AIR-PERMEABLE INSULATION IS USED AND IS INSTALLED ON TOP OF THE ATTIC FLOOR, OR ON TOP OF THE CEILING, AIR SUPPLY TO THE ATTIC IS NOT REQUIRED.
    - WHERE PREFORMED INSULATION BOARD IS USED AS THE AIR-IMPERMEABLE INSULATION LAYER, IT SHALL BE SEALED AT THE PERIMETER OF EACH INDIVIDUAL SHEET INTERIOR SURFACE TO FORM A CONTINUOUS LAYER.

**ROOF PLAN GENERAL NOTES**

- ROOF MATERIAL COVERING CLASS "A" ASPHALT SHINGLES BY CERTAINTEE ICC-ESR# 3537. COLOR & PER THE INSTALLATION OF ROOF COVERING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- CHIMNEY TO BE 2FT ABOVE ROOF WITHIN 10'-0" WITH SPARK ARRESTOR AND SHROUD 12" MAX HEIGHT, TYP.
- PROJECTIONS LESS THAN 3'-0" (HOUSE WITH SPRINKLER) OR 5'-0" (HOUSE WITH NO SPRINKLER) TO PROPERTY LINE TO BE 1-HOUR CONSTRUCTION, TYP.
- ROOF VENT : SEE ROOF VENTILATION CALCULATION.
- PROVIDE MIN. 2% SLOPE AT FLAT ROOF AND DECK.



**FLASHING DETAIL**

Jurisdiction:

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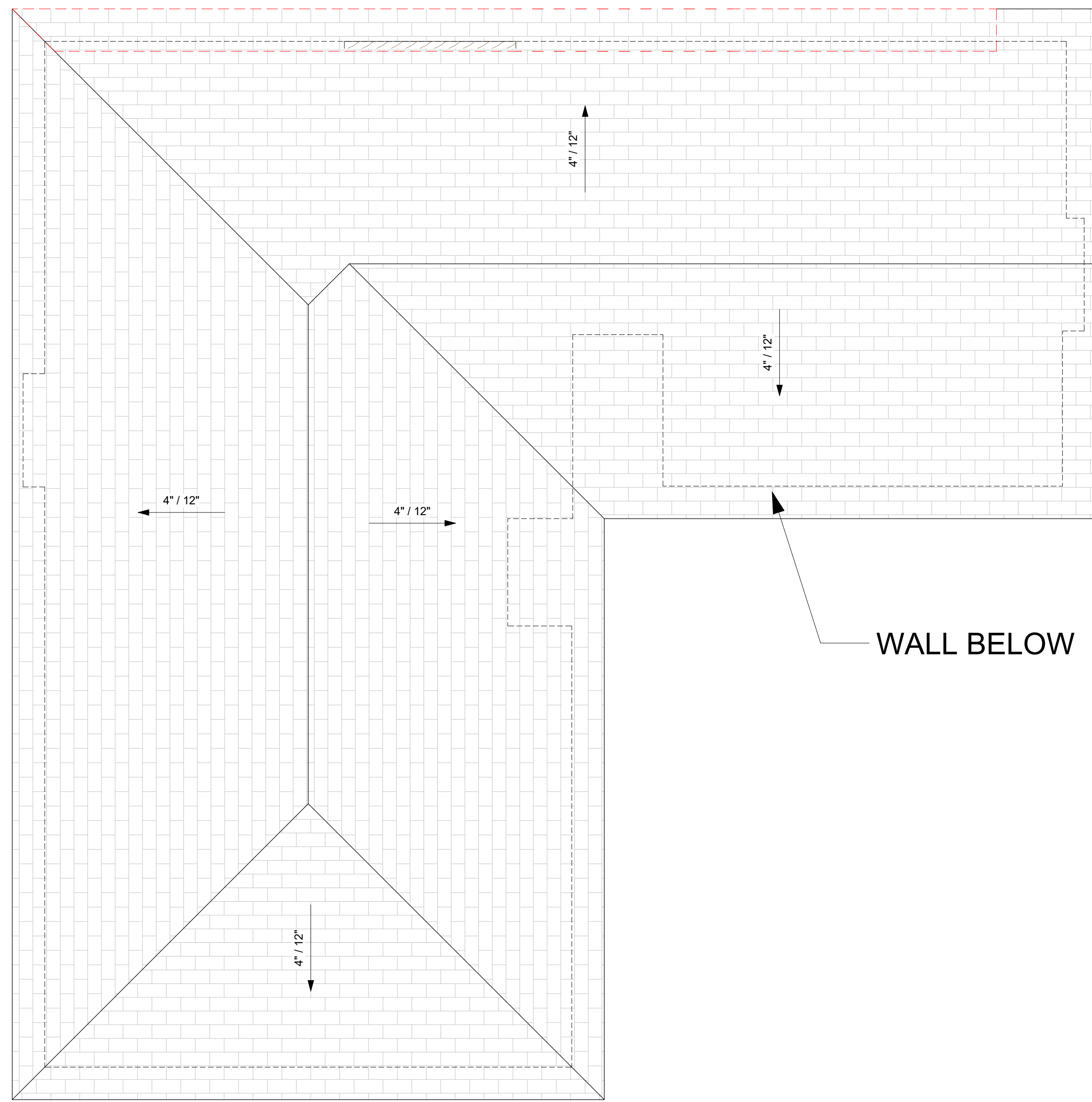
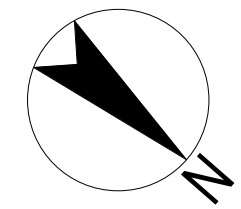
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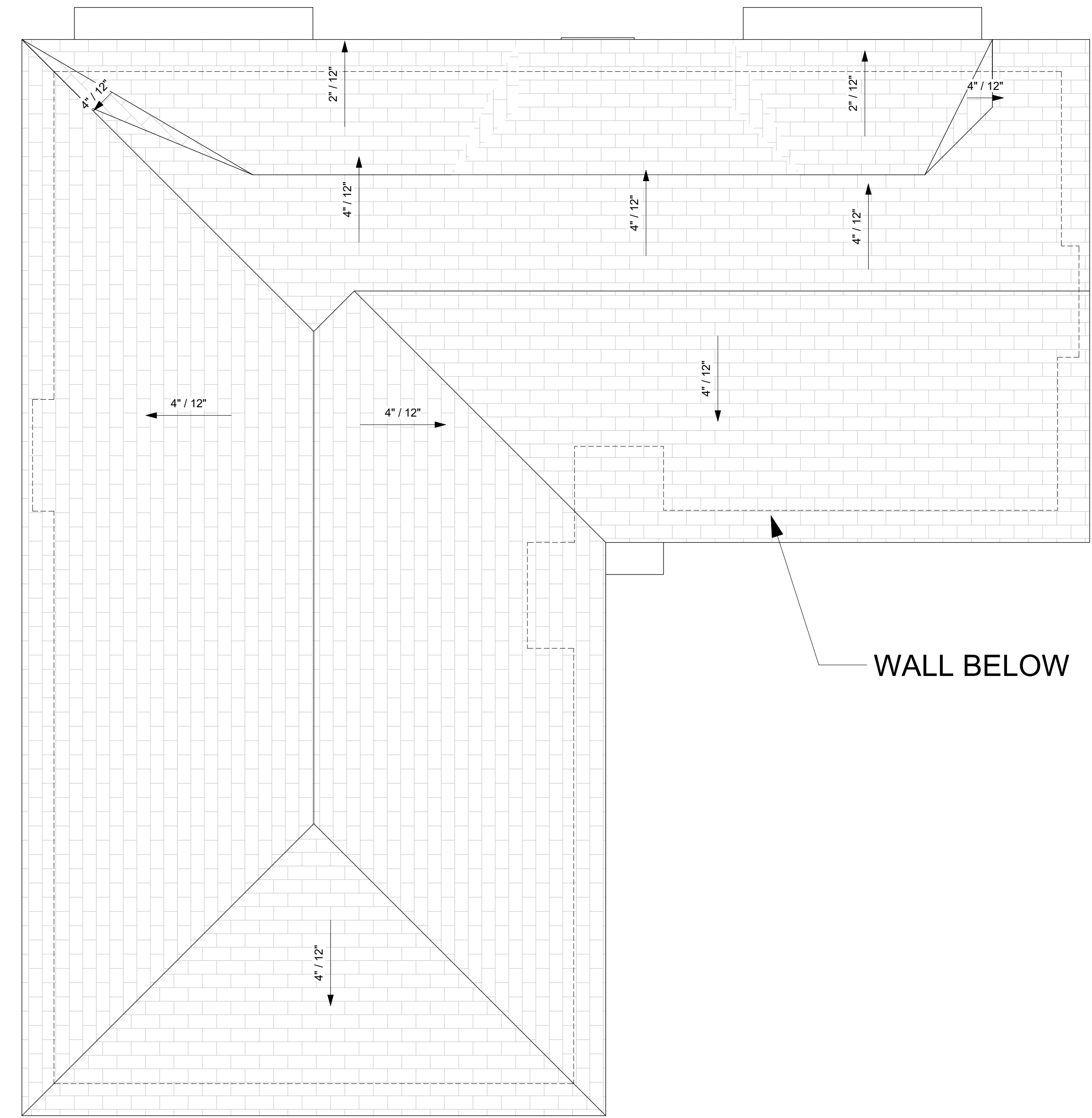
Licenser:

SHEET TITLE:  
**ROOF PLAN**

SHEET NUMBER:  
**A.30**



**(E) ROOF PLAN**  
 1/4" = 1'-0"



**(P) ROOF PLAN**  
 1/4" = 1'-0"

