321 BACHMAN AVE, LOS GATOS, CA 95030

STANDARD ABBREVIATIONS			
&	and	ID	inside diameter
@ C.L.	at centerline	IN INT	inches interior
Ø	diameter	INSUL	insulation
PLT	plate		
# (E)	pound/number existing	JAN JT	janitor joint
(L) (N)	new	31	John
ÀΒ	anchor bolt	KD	kiln dried
AC AGG	air conditioner aggregate	LAM	laminated
ALT	alternate	LAV	lavatory
ALUM	aluminum		,
APPROX ARCH	approximate architect	MAT MAX	material maximum
ASB	asbestos	MC	medicine cabinet
ASPH	asphalt	MDF	medium density fiberboard
AVE AVG	avenue	MECH MEMB	mechanical membrane
AVG	average	MET	metal
BD	board	MFGR	manufacture(r)
BITUM BLDG	bituminous building	MH MIN	manhole minimum
BLK	block	MIR	mirror
BVLD	boulevard	MISC	miscellaneous
BM	benchmark/beam	MO MOD	masonry opening module/modular
CAB	cabinet	MTD	mounted
СВ	catch basin	MUL	mullion
CEM CI	cement cast iron	NIC	not in contract
CJ	control joint	NO	number
CLG	ceiling	NOM	nominal
CLKG CLR	caulking clear	NTS	not to scale
CNTR	counter	OC	on center
CO	cleanout	OD	outside diameter
COL CONC	column concrete	OFF OPNG	office opening
CONN	connection	OPP	opposite
CONST	construction	DADT	
CONT CORR	continuous corridor	PART PBO	partition provided/supplied by owner
CTR	center	PERP	perpendicular
CYL	cylinder	PG PL	plate glass
DBL	double	PLYWD	property line plywood
DEPT	department	PR	pair
DF DIA	Douglas Fir/drinking fountain diameter	PT	pressure treated
DIM	dimension	QT	quarry tile
DISP	dispenser		
DN DS	down	R RD	rise/radius roof drain
DW DW	downspout dishwasher	REINF	reinforce/reinforcing
DWG	drawing	REF	reference
EA	each	REFR REQ	refrigerator required
EJ	expansion joint	RESIL	resilient
EL	elevation	REV	revision
ELEC ELEV	electrical elevator	RM RO	room rough opening
EMER	emergency	RWD	redwood
ENCL	enclosure	RWL	rain water leader
EP EQ	electric panelboard equal	SECT	section
EQUIP	equipment	SEL	select
EXIST	existing	SD	soap dispenser
EXP EXT	exposed exterior	SG SH	sheet glass shelf
	oxio.io.	SHT	sheet
FA	fire alarm	SHWR	shower
FD FDN	floor drain foundation	SIM SPEC	similar specification
FE	fire extinguisher	SQ	square
FEC	fire extinguisher cabinet fire hose cabinet	SS STD	stainless steel
FHC FIN	finish	STL	standard steel
FL	floor	STRUCT	structural
FLASH	flashing	SUSP	suspend(ed)
FOC FOF	face of concrete face of finish	SYM	symmetrical
FOS	face of stud	TB	towel bar
FPRF	fire proof	TEL	telephone
FS FT	full size foot/feet	TER T&G	terrazzo tongue & groove
FTG	footing	TOC	top of curb
FURN	furnish furring	TOP TP	top of plate
FURR FUT	future	TPG	top of pavement tempered plate glass
		TV	television
GA GB	gauge grap bar	TW	top of wall
GB GALV	grab bar galvanized	TYP	typical
GL	glass	VENT	ventilation
GRD	grade	VERT	vertical
GYP	gypsum	VEST VGDF	vestibule vertical grain Douglas Fir
НВ	hose bib	VOL	volume
HC HD	hollow core	W/	with
HDWE	hot dipped hardware	WC	with water closet
HDWD	hardwood	WD	wood
HM HORIZ	hollow metal horizontal	WF WIN	wide flange window
HP	hour	W//O	without

GENERAL CODE NOTES

1. FINISHED ROOFING MATERIAL SHALL BE INSTALLED AND COMPLETED PRIOR TO FRAME INSPECTION. SEE CRC SECT. R109. INSPECTIONS FOR ORDER OF INSPECTIONS BY ENFORCING AGENCY.

2. OPENINGS FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED FOR SLEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 13/8 INCHES (35 MM) IN THICKNESS, SOLID OR HONEYCOMBCORE STEEL DOORS NOT LESS THAN 13/8 INCHES (35 MM) THICK, OR 20-MINUTE FIRE-RATED DOORS, EQUIPPED WITH A SELF-CLOSING AND SELF-LATCHING DEVICE, CRC SECT. R302.5.1.

3. ENCLOSED SPACE UNDER STAIRS THAT IS ACCESSED BY A DOOR OR ACCESS PANEL SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2-INCH (12.7 MM) GYPSUM BOARD.. CRC SECTION R302.7

4. EACH HABITABLE ROOM SHALL COMPLY WITH MIN. AREA FOR NATURAL LIGHT AND VENTILATION OR MEET THE REQUIREMENTS FOR EXCEPTIONS, PER CRC SECTIONS R303.1. BATHROOMS SHALL COMPLY WITH MIN. AREA FOR NATURAL LIGHT OR MEET REQUIREMENTS FOR EXCEPTIONS. PER CRC SECT. R303.3. BATHROOMS AND LAUNDRY ROOMS SHALL BE PROVIDED WITH EXHAUST FANS THAT COMPLY WITH CRC SECT. R303.3.1 & R303.4 AND THE CALIFORNIA MECHANICAL CODE.

5. INSTALL WATERPROOF MATERIAL SUCH AS TILE. ON TUB AND SHOWER WALLS +72" MIN ABOVE THE FLOOR PER CRC R307.2

6. SAFETY GLAZING, SUBJECT TO HUMAN IMPACT SHALL BE INSTALLED AT HAZARDOUS LOCATIONS PER CRC SECT. R308.1. AREAS TO BE DEFINED AS "HAZARDOUS LOCATIONS" ARE LISTED IN CRC SECT 308.4 AND INCLUDE: GLAZING IN DOORS. SLIDING DOOR ASSEMBLIES AND PANELS. SHOWER OR TUB ENCLOSURES AND IN WINDOWS WITHIN COMPARTMENTS WHERE EXPOSED EDGE OF GLAZING IS LESS THAN 60" ABOVE A STANDING SURFACE AND DRAIN INLET. GLAZING IN WINDOWS ADJACENT TO DOORS WITHIN 24" OF EITHER SIDE OF A DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE.

7. EGRESS WINDOWS IN EACH BEDROOM SHALL COMPLY WITH CRC SECTION R310, OPERABLE FROM THE INSIDE TO PROVIDE A FULL, CLEAR OPENING WITHOUT THE USE OF SEPARATE TOOLS. ESCAPE WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENABLE AREA OF 5.7 SF, AND 5.0 SF AT GRADE FLOOR OPENINGS. MINIMUM NET CLEAR HEIGHT 24", WIDTH OF 20" MINIMUM, AND FINISHED SILL NOT MORE

8. HANDRAILS SHALL BE PROVIDED ON NOT LESS THAN ONE SIDE OF RAMPS EXCEEDING A SLOPE OF 1 UNIT VERTICAL IN 12 UNITS HORIZONTAL (8.33-PERCENT SLOPE). HANDRAIL HEIGHT, MEASURED ABOVE THE FINISHED SURFACE OF THE RAMP SLOPE, SHALL BE NOT LESS THAN 34 INCHES (864 MM) AND NOT MORE THAN 38 INCHES (965 MM). HANDRAILS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE STAIRS OR RAMP. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2" BETWEEN THE WALL AND THE HANDRAIL. HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF AT LEAST 1 1/4" AND NOT GREATER THAN 2". NON-CIRCULAR HANDRAILS SHALL HAVE A PERIMETER DIMENSION OF AT LEAST 4" AND NOT GREATER THAN 6 1/4" WITH A MAX. CROSS SECTION DIMENSION OF 2 1/4". EDGES SHALL HAVE A MIN. RADIUS OF 0.01". CRC R311.7.8, R311.7.8.1, R311.7.8.3, R311.7.8.4 AND R311.7.8.5.

9. GUARDRAILS (GUARDS), REQUIRED GUARDS AT OPEN-SIDED WALKING SURFACES, INCLUDING STAIRS, PORCHES, BALCONIES OR LANDINGS, SHALL BE NOT LESS THAN 42 INCHES (1067 MM) IN HEIGHT AS MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE OR THE LINE CONNECTING THE LEADING EDGES OF THE TREADS, INTERIOR OR EXTERIOR, CRC R312.1.2 EXCEPTION- GUARDS ON THE OPEN SIDES OF STAIRS SHALL HAVE A HEIGHT OF NOT LESS THAN 34" AND NOT MORE THAN 38" MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF THE TREADS. GUARDS SHALL NOT HAVE AN OPENING FROM THE WALKWAY SURFACE TO THE REQUIRED HEIGHT WHICH ALLOW PASSAGE OF A 4" DIAMETER SPHERE. CRC R312.1.3

10. SMOKE ALARMS SHALL BE PROVIDED AND INSTALLED PER CRC SECTION R314. AND NFPA 72. SMOKE ALARMS SHALL HAVE THEIR PRIMARY POWER SOURCE FROM THE BUILDING WIRING AND EQUIPPED WITH A BATTERY BACKUP, LOCATE ALARMS IN EACH SLEEPING ROOM AND ON THE CEILING OR WALL OUTSIDE SLEEPING AREA IN IMMEDIATE VICINITY OF BEDROOMS AND BE NOT LESS THAN 3 FEET FROM A BATHROOM DOOR THAT CONTAINS A BATHTUB OR SHOWER UNLESS THIS WOULD PREVENT PLACEMENT OF A SMOKE ALARM

11. NEWLY CONSTRUCTED DWELLINGS SHALL HAVE AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH IFORCEMENT INSTALLED IN ACCORDANCE WITH CRC SECTION R327. WHERE THERE IS NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH SECTION R327.

12. ENERGY STORAGE SYSTEMS INSTALLED IN A LOCATION SUBJECT TO VEHICLE IMPACT (I.E. GARAGE OR CARPORT) SHALL BE PROVIDED WITH IMPACT PROTECTION, CRC SEC 328.8. SEE FIGURE R328.8.1.

13. INSTALL UNDERFLOOR ACCESS WITH ACCESSIBLE MINIMUM CLEARANCE 18" x 24" AND FREE FROM PIPES, DUCTS AND SIMILAR

14. INSTALL ATTIC ACCESS WITH MINIMUM 22" x 30" ROUGH OPENING LOCATED IN HALLWAY OR OTHER READILY ACCESSIBLE LOCATION. HAVING A 30" MINIMUM UNOBSTRUCTED HEADROOM IN THE ATTIC SPACE, ABOVE THE OPENING, CRC R807.1.

15. WATER HEATERS SHALL BE STRAPPED FOR SEISMIC BRACING, TOP AND BOTTOM PER CPC SECTION 507.2 AND SECURED TO THE STRUCTURE. LISTED WATER HEATERS SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTINGS AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PER CPC 504.3.1. UNLISTED WATER HEATERS SHALL BE INSTALLED WITH A CLEARANCE OF 12" ON ALL SIDES AND REAR PER CPC 504.3.2. COMBUSTION AIR SHALL BE PROVIDED IN ACCORDANCE WITH CMC SECTION 701. WATER HEATER CLOSET OPENING SHALL HAVE A MINIMUM OF 1 SQ. IN. PER 1000 BTU INPUT, BUT NOT LESS THAN 100 SQ. IN. ONE OPENING SHALL COMMENCE WITHIN 12" OF THE TOP OF THE ENCLOSURE AND ONE OPENING SHALL COMMENCE WITHIN 12" OF THE BOTTOM OF THE ENCLOSURE PER CMC 701.5.

16. WATER HEATER PRESSURE RELIEF VALVES SHALL BE EQUIPPED WITH PIPING DIRECTLY TO THE EXTERIOR AND TERMINATING NOT LESS THAN 6" ABOVE GRADE. INSTALL HOSE BIBBS AT LOCATIONS NOTED HB. USE FAUCET TYPE EQUIPPED WITH BACKFLOW OR BACK

17. VENTING OF GAS APPLIANCES SHALL BE IN ACCORDANCE WITH CMC SECTION 802, VERIEY RUN, OFFSETS, SLOPES AND DIRECTION OF VENTS THROUGH FRAMING TO PROVIDE MINIMUM CLEARANCE TO COMBUSTIBLES FOR TYPE FLUE USED.

18. GAS APPLIANCES INSTALLED IN THE GARAGE SHALL BE ELEVATED SO THAT PILOTS AND BURNERS ARE AT LEAST 18" ABOVE THE FLOOR PER CPC 507.13. PROTECT APPLIANCES FROM DAMAGE BY INSTALLING A PROTECTIVE STEEL POST, 3" DIA. X 24" HIGH, 12" IN FRONT OF APPLIANCE, UNLESS LOCATED OUTSIDE THE NORMAL PATH OF A VEHICLE.

19. GAS PIPE CONNECTION TO EACH APPLIANCES SHALL HAVE AN ACCESSIBLE SHUT-OFF VALVE AND BE INSTALLED WITH FLEX-CONNECTORS PER CPC 1212.6.

20. INSTALL SOLID BACKING AT WALLS AND WATERPROOF MEMBRANE AT SHOWER PAN, SEAMLESS TYPE "OATEY" UP 12" MIN WALLS AND OVER SHOWER CURB. SHAPE SHOWER PAN FLOOR USING 3/4" PLYWOOD SHIMMED TO FORM SLOPE TO DRAIN. INSTALL 4 X 4 PTDF

21. SHOWER AND TUB-SHOWER VALVES SHALL BE PRESSURE BALANCED AND/OR THERMOSTATIC MIXING VALVES AND SHALL COMPLY WITH CPC SECTION 408.3.

22. ALL SHOWER HEADS IN THE EXISTING RESIDENCE WITH A FLOW RATE GREATER THAN 2.5 GPM WILL NEED TO BE REPLACED WITH A MAXIMUM 1.8 GPM SHOWER HEAD. FAUCETS WITH A FLOW RATE GREATER THAN 2.2 GPM WILL NEED TO BE REPLACED WITH MAXIMUM FLOW RATE OF 1.2 GPM FOR LAVATORY FAUCETS AND 1.8 GPM FOR KITCHEN FAUCETS PER CALIFORNIA CIVIL CODE ARTICLE 1101.4 AND CALGREEN SECTION 4.303.

23. INSTALL WATER CLOSETS (TOILETS) HAVING A 1.28 GALLONS/FLUSH MAXIMUM. PER CALIFORNIA CIVIL CODE ARTICLE 1101.4 AND CALGREEN SECTION 4.303.1.1 THE WATER CLOSET SPACE SHALL BE SET NO CLOSER THAN 15" FROM ITS CENTER TO A SIDE WALL AND NO CLOSER THAN 30" CENTER TO CENTER TO A SIMILAR FIXTURE. CLEARANCE IN FRONT OF WATER CLOSET SHALL BE NOT LESS THAN 24" PER CPC SECTION 402.5.

24. WHIRLPOOL TUB SHALL COMPLY WITH CPC SECTION 409.0 AND THE CEC. ELECTRICAL POWER SOURCE SHALL BE EQUIPPED WITH GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION.

25. LIGHT FIXTURES INSTALLED IN CLOSETS SHALL BE SURFACE MOUNTED FLUORESCENT, LOCATED ON THE WALL ABOVE THE DOOR AND HAVE MINIMUM CLEARANCES OF 12" TO STORAGE SHELVES, PER CEC SECTION 410.2.

26. ELECTRICAL RECEPTACLES LOCATED IN THE GARAGE, (SEE EXCEPTIONS FOR SPECIFIC EQUIPMENT) EXTERIOR (WATERPROOF). CRAWL SPACE, BATHROOMS. KITCHEN COUNTERS AND WITHIN 6' AND WITHIN 6' EACH WAY FROM SINKS OR LAVATORIES, SHALL BE GROUND FAULT CIRCUIT INTERRUPTER PROTECTED (GFI) IN ACCORDANCE WITH CEC SECTION 210.8.

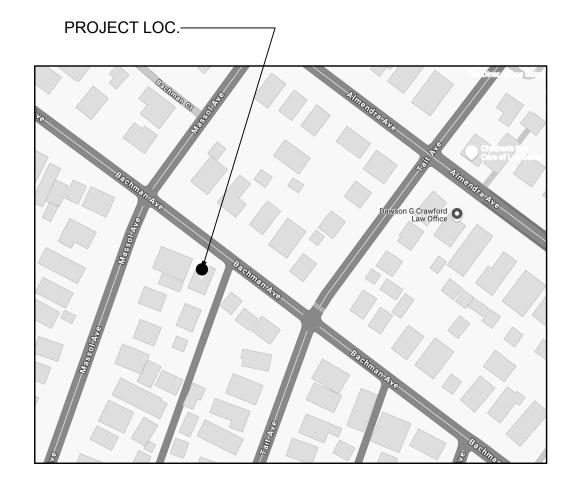
27. INSTALL LIGHT FIXTURES, LOCATED IN KITCHENS AND ROOMS HAVING WATER CLOSETS THAT DO NOT EXCEED 40 LUMENS/WATT (FLUORESCENT TYPE) PER CALIFORNIA TITLE 24. INSTALL FIXTURES RATED FOR DAMP LOCATIONS (DL), EXTERIOR AND IN SHOWER OR TUB COMPARTMENTS. INSTALL FIXTURES RECESSED IN THE CEILINGS RATED FOR INSULATION PROTECTION (IC/AT) AND AIRTIGHT PER

APPLICABLE CODES

2022 CALIFORNIA BUILDING CODE 2022 CALIFORNIA RESIDENTIAL CODE 2022 CALIFORNIA PLUMBING CODE 2022 CALIFORNIA MECHANICAL CODE

2022 CALIFORNIA ELECTRICAL CODE 2022 CALIFORNIA FIRE CODE 2022 CALIFORNIA ENERGY CODE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

VICINITY MAPN.T.S.



OPERATIONAL MANUAL

OPERATION AND MAINTENANCE MANUAL. AT THE TIME OF FINAL INSPECTION. A MANUAL. COMPACT DISC. WEB-BASED REFERENCE OR OTHER MEDIA ACCEPTABLE TO THE ENFORCING AGENCY WHICH INCLUDES ALL OF THE FOLLOWING SHALL BE PLACED IN THE BUILDING: . DIRECTIONS TO THE OWNER OR OCCUPANT THAT THE MANUAL SHALL REMAIN WITH THE BUILDING THROUGHOUT

THE LIFE CYCLE OF THE STRUCTURE. 2. OPERATION AND MAINTENANCE INSTRUCTIONS FOR THE FOLLOWING: A. EQUIPMENT AND APPLIANCES, INCLUDING WATER-SAVING DEVICES AND SYSTEMS, HV AC SYSTEMS, WATER-HEATING SYSTEMS AND OTHER MAJOR APPLIANCES AND EQUIPMENT. B. ROOF AND YARD DRAINAGE, INCLUDING GUTTERS AND DOWNSPOUTS. AC. SPACE CONDITIONING SYSTEMS, INCLUDING CONDENSERS AND AIR FILTERS. D. LANDSCAPE IRRIGATION SYSTEMS. E. WATER REUSE SYSTEMS.

3. INFORMATION FROM LOCAL UTILITY, WATER AND WASTE RECOVERY PROVIDERS ON METHODS TO FURTHER REDUCE RESOURCE CONSUMPTION, INCLUDING RECYCLE PROGRAMS AND LOCATIONS. 4. PUBLIC TRANSPORTATION AND/OR CARPOOL OPTIONS AVAILABLE IN THE AREA. 5. EDUCATIONAL MATERIAL ON THE POSITIVE IMPACTS OF AN INTERIOR RELATIVE HUMIDITY BETWEEN 30-60 PERCENT AND WHAT METHODS AN OCCUPANT MAY USE TO MAINTAIN THE RELATIVE HUMIDITY LEVEL IN THAT RANGE. 6. INFORMATION ABOUT WATER-CONSERVING LANDSCAPE AND IRRIGATION DESIGN AND CONTROLLERS WHICH

7. INSTRUCTIONS FOR MAINTAINING GUTTERS AND DOWNSPOUTS AND THE IMPORTANCE OF DIVERTING WATER AT LEAST 5 FEET AWAY FROM THE FOUNDATION. 8. INFORMATION ON REQUIRED ROUTINE MAINTENANCE MEASURES, INCLUDING, BUT NOT LIMITED TO, CAULKING, PAINTING, GRADING AROUND THE BUILDING, ETC. 9. INFORMATION ABOUT STATE SOLAR ENERGY AND INCENTIVE PROGRAMS AVAILABLE

10. A COPY OF ALL SPECIAL INSPECTION VERIFICATIONS REQUIRED BY THE ENFORCING AGENCY OR THIS CODE.

CALGREEN ENVIRONMENT AIR QUALITY

ALL ADHESIVES, SEALANTS, CAULKS, PAINTS, COATINGS AND AEROSOL PAINT CONTAINERS MUST REMAIN ON THE SITE FOR FIELD VERIFICATION BY THE BUILDING INSPECTOR PER CGBSC 4.504.2.4 VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AT THE REQUEST OF THE ENFORCING AGENCY. DOCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING: 1. MANUFACTURER'S PRODUCT SPECIFICATION. 2. FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS.

PRIOR TO FINAL INSPECTION, A LETTER SIGNED BY THE GENERAL CONTRACTOR OR THE OWNER/BUILDER (FOR ANY OWNER/BUILDER PROJECTS) MUST BE PROVIDED TO THE TOWN OF LOS GATOS BUILDING OFFICIAL CERTIFYING THAT ALL ADHESIVES, SEALANTS, CAULKS, PAINTS, COATINGS, AEROSOL PAINTS, AEROSOL COATINGS, CARPET SYSTEMS (INCLUDING CARPETING, CUSHION AND ADHESIVES), RESILIENT FLOORING SYSTEMS, AND COMPOSITE WOOD PRÒDUCTS INSTALLED ON THIS PROJECT ARE WITHIN THE EMISSION LIMITS SPECIFIED IN CGBSC SEC. 4.504

SCOPE OF WORK

NEW POP OUT W/ WDWS AT LIVING RM. (2) NEW SKYLIGHTS IN LIVING RM. NEW FRONT ENTRY PORCH W/ COLUMNS AND FLAT ROOF. NEW BAY WDW AT KITCHEN, NEW DOOR AND STEPS DOWN TO A NEW PATIO W/ COLUMNS AND A FLAT ROOF. RELOCATE (E) A.C. NEW GARAGE W/ LAUNDRY AREA.

PROJECT INFORMATION

OWNER: JEAN AND STANLEY MELAX

MAILING & PROPERTY ADDRESS: 321 BACHMAN AVE, LOS GATOS, CA 95030

APN# 510-17-100 ZONING: R-1D:LHP TYPE V-B; NON-SPRINKLERED

PHONE: (408) 656-2503

(E) OCCUPANCY GROUP: R3 PROPOSED OCCUPANCY: R3/U

LOT SIZE: 3538.456 SQ. FT. (SURVEY)

HOUSE F.A.R. CALC: 0.3744 (SURVEY) TOTAL FLOOR AREA ALLOWED: 1324.653 SQ. FT. (SURVEY) (E) HOUSE AREA: 1098.403 SQ. FT. (SURVEY) NEW GARAGE AREA: 312 SQ. FT. (SURVEY) GARAGE F.A.R. CALC.

CALCULATION NOT NEEDED AS GARAGES UP TO 400 SQUARE FEET ARE EXEMPT FROM F.A.R.

BUILDING LOT COVERAGE

EXISTING FIRST FLOOR: 1098,403 SQ. FT. LOT SIZE: 3538.456 (PER SURVEY) (E) LOT COVERAGE: 0.31= 31%

PROPOSED FIRST FLOOR: 1098.403 SQ. FT. PROPOSED GARAGE: 312 SQ. FT. PROPOSED COVERED PORCH: 200 SQ. FT. TOTAL PROPOSED: 1610.403 SQ. FT. LOT SIZE: 3538.456 (PER SURVEY) PROPOSED LOT COVERAGE: 0.455= 46%

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JURISDICTION APPROVAL STAMPS

G1.0 **COVER SHEET** G1.1 STORMWATER REDUCTION, PEST CONTROL

A1.0 EXISTING SITE PLAN

A1.1 PROPOSED SITE PLAN A1.2 STREETSCAPE, STREET MAP

(E) & DEMOLITION 1ST FLOOR PLAN A2.0

PROPOSED 1ST FLOOR PLAN A2.1

A3.0 **EXISTING EXTERIOR ELEVATIONS**

A3.1 PROPOSED EXTERIOR ELEVATIONS

EXISTING ROOF PLAN A4.1

PROPOSED ROOF PLAN

ATTACHMENT 8

Oct. 25, 2025

height

heater

heating

HTG

2502SD102525.vwx

W/O

WP

WSCT

without

wainscot

weight

waterproof(ing

SCALE REFLECTS DRAWINGS PRINTED ON **ARCH D 24x36 SIZE SHEETS**

321 BACHMAN AVE

LOS GATOS, CA 95030

DO NOT SCALE PLANS

MELAX RES

GARAGE

COVER SHEET

New Stormwater Control Requirements for Large Single-Family Home Development

What is Stormwater Pollution?

In natural landscapes, most of the rainwater soaks into the soil. However, in urban areas, **impervious or** hard surfaces such as buildings, driveways, sidewalks, and streets prevent rainwater from soaking into the ground and cause **stormwater runoff**. As stormwater runoff flows over impervious surfaces, it can pick up pollutants such as litter, motor oil, metals, and pesticides, and carry them into storm drains. This polluted runoff flows directly into local creeks and San Francisco Bay, without any cleaning or filtering to remove pollutants.

Why are Stormwater Quality Controls Being Required for My Project? Local agencies in urbanized portions of the Bay Area are responsible for controlling stormwater pollution by complying with the Municipal Regional Stormwater Permit (MRP), reissued by the Regional Water Quality Control Board in May 2022. Larger development projects have been required to implement stormwater quality controls for over a decade. A new requirement in the MRP now mandates stormwater quality controls for some large single-family homes.

How Do These Requirements Impact My Project?

Beginning July 1, 2023, single-family home projects that create and/or replace 10,000 square feet or more of impervious surface must meet stormwater quality requirements by including site design measures, source control measures, low impact development (LID) treatment measures, and construction site best management practices, as appropriate for the project. Runoff from portions of the public right of way, such as the street frontage, that are constructed or reconstructed as part of the project will also need to be treated using LID treatment measures.

These features are explained below and should be incorporated into the project design as early as possible.

- Site design measures help to reduce stormwater flow and water quality impacts of the project by:
- Preserving existing vegetation;
- Reducing the amount of impervious surface using landscaping and/or pervious
- Directing flow from roof downspouts to landscaping instead of impervious

If designed properly, site design measures can reduce or eliminate the need for treatment measures.

Source Control Measures

Source controls prevent potential pollutant sources from contacting stormwater. Examples include:

- Storing household chemicals (e.g., paints, pesticides, fertilizers, and cleaning products) indoors
- Connecting swimming pools and spas to the sanitary sewer system

LID Stormwater Treatment Measures

LID measures are treatment systems designed to treat a specific amount of stormwater runoff from buildings, streets, and parking lots by filtration through a special soil media, infiltration into the ground, or storage for future use. This reduces the quantity of water and pollutants flowing into storm drains and local creeks. The site design and LID treatment measures described on the next page can be used to collect runoff from roofs, driveways, and other impervious surfaces to meet stormwater quality requirements.



Santa Clara Valley Urban Runoff Pollution Prevention Program, 2023

Landscape Dispersion





Roof and driveway draining to landscaping

Bioretention Areas or Rain Gardens runoff. For design guidance, see the Rain Garden Fact Sheet.

Bioretention areas or rain gardens are shallow, depressed, landscaped areas that use a special soil mix to remove pollutants from stormwater



Rain Garden Factsheet

Bioretention area

Rain barrels or cisterns can be used to collect and store rainwater for use in landscape irrigation and toilet flushing. For guidance on the determining the storage capacity of the rain barrel or cistern, see the Rain Barrels and





Pervious Concrete, Porous Asphalt, and Pervious Pavers

Pervious surfaces can be used in driveways, backyards, and walkways. Pervious surfaces include the following: pervious concrete or porous asphalt, grid pavers with gaps filled with gravel or turf, interlocking pavers made of pervious material, and solid interlocking pavers that have gaps between them. For design guidance, see the Pervious Pavement Fact Sheet.



iveway with pervious pavers

Construction Site Measures

Project sites are required to use construction best management practices (BMPs), such as:

- Controlling soil erosion onsite and preventing sediment from being carried or tracked offsite;
- Covering construction materials and containing wastes such that they do not enter storm drains;
- Protecting storm drain inlets using rubber mats, gravel bags, etc.

What is Required for My Project?

Check with your local Planning Department for information on which stormwater requirements apply and what information is required to be submitted with the project application. You may be required to submit a Stormwater Control Plan prior to project approval.



This fact sheet was developed by the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP). For more information, visit www.scvurppp.org

PROPERTY MAINTENANCE FACT SHEET



Landscape Maintenance **Techniques**

Pest Reduction

Who should use this Fact Sheet?

- City/County Planners
- Personnel

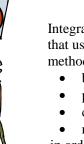
Landscape Architects

Homeowners

- Development Project Applicants
- Landscape Maintenance

When it rains, pesticides used in maintaining landscapes and gardens are washed off the plants and soils they are used to protect. This stormwater runs off the landscape and flows to the nearest storm drain, which ultimately carries the water to a local creek or the San Francisco Bay without treatment. Pesticides carried with stormwater into creeks and the Bay may be harmful to fish and other organisms that live there. Minimizing use of pesticides in landscape maintenance helps protect water quality,

Why is it Important to Reduce Pesticide Usage?



What is Integrated Pest Management?

Integrated Pest Management (IPM) is a decision-making process for managing pests that uses monitoring to determine pest-caused injury levels and determine the best methods for their control. IPM uses a combination of:

aquatic life, and human health.

- biological controls (e.g., natural enemies or predators);
- physical or mechanical controls (e.g., hand labor or mowing);
- cultural controls (e.g., mulching, discing, or alternative plant type selection); and • reduced risk chemical controls (e.g., soaps or oils)
- in order to minimize pesticide usage. The IPM method uses the least hazardous
- pesticides only as a last resort for controlling pests.

How Can Landscape Design and Maintenance Techniques Reduce Pesticide Usage?

Pesticides are often used in maintaining landscapes. The amount of pesticides entering our creeks and Bay can be decreased by using alternative design and maintenance techniques that:

- Reduce the potential for the pesticides to run off the landscape;
- Reduce the amount of chemicals necessary to ensure healthy plants or eliminate the need for pesticide usage at all; or,
- Decrease the need for landscape maintenance by designing landscapes that minimize pest infestation and create low maintenance environments

Refer to the back of this fact sheet for more design and maintenance tips.

07/01/2016



Pest Reducing Landscape Design Techniques

- Design the landscape for efficient • Properly sweep up spilled fertilizers or pesticides. Do
- irrigation and drainage. • Design the landscape to conform to natural drainage patterns.
- Retain existing native, pest-resistant trees, shrubs and plants.
- Select pest-resistant plants adapted to your specific area. Consider sitespecific characteristics such as the soil, topography, climate, amount and timing of sunlight, prevailing winds, rainfall, air movement, patterns of land use, ecological consistency and
- plant interactions. Prevent the need for routine pruning by selecting plants based on their size and shape when mature.
- Situate plants to facilitate Prune to increase air circulation but do not overprune. maintenance. Install mowing strips, • Apply 2-4 inches of mulch or geotextiles to exposed

IPM Access,

07/01/2016

- tree wells and pathway edging to reduce problems associated with • Mow lawns and turf high and leave clippings in place. maintaining the interface between • Replace problem plants with locally-adapted, pest
- different elements of the design. • Plant at the right time of year.

ADDITIONAL RESOURCES

www.efn.org/~ipmpa, IPM Based Landscape Design. Bio-Integral Resource Center (BIRC) (510) 524-2567 www.birc.org

Central Contra Costa County Sanitary District Our Water Our World IPM Fact Sheets www.centralsan.org

San Francisco Department of the Environment www.sfenvironment.com

IPM Information: www.mywatershedwatch.org University of California Cooperative Extension

Master Gardeners: <u>www.mastergardeners.org</u> University of California IPM (800) 994-8849 www.ipm.ucdavis.edu

• Remove, rake up and dispose of diseased plant parts.

Pest Reducing Landscape

Maintenance Techniques

• Employ nonchemical Integrated Pest Management methods (biological, physical and cultural controls)

• If pesticides are necessary, use the least toxic pesticide available. Avoid use of organophosphates such as diazinon and chlorpyrifos (Dursban) as well

• Do not over apply pesticide. Spray only where the

instructions for mixing and applying materials.

• Properly dispose of chemical wastes by recycling,

waterways or leave it where it may contact runoff.

reusing, or disposing of as hazardous waste. Do not

dispose of debris into or near channels or other

Apply pesticides at the appropriate time to maximize

their effectiveness and minimize the likelihood of

discharging undegraded pesticides into runoff. With

the exception of pre-emergent pesticides, avoid

Maintain healthy soils by incorporating organic

matter, making regular pH adjustments, and

infestation exists. Follow the manufacturer's

before using chemicals to treat a pest problem.

as copper-based pesticides.

not wash away or bury such spills.

application if rain is expected.

appropriately fertilizing.

Minimize irrigation overspray.

soils to prevent weed growth.

Do not overwater.

resistant plants.

- Natural Enemies Handbook: The Illustrated Guide to Biological Pest Control
- The UC Guide to Solving Garden and Landscape Problems: An Interactive CD- ROM Pests of Landscape Trees and Shrubs

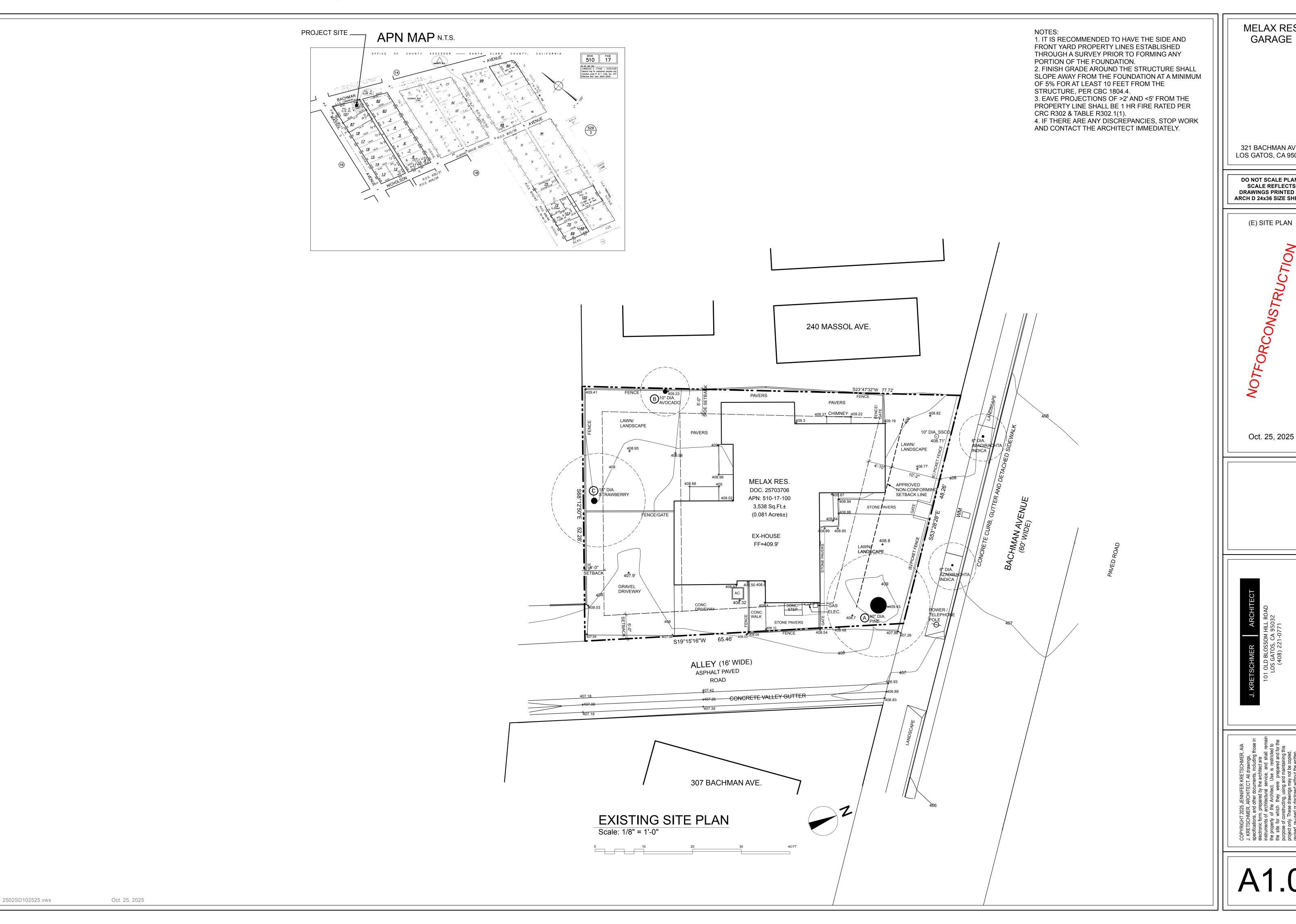
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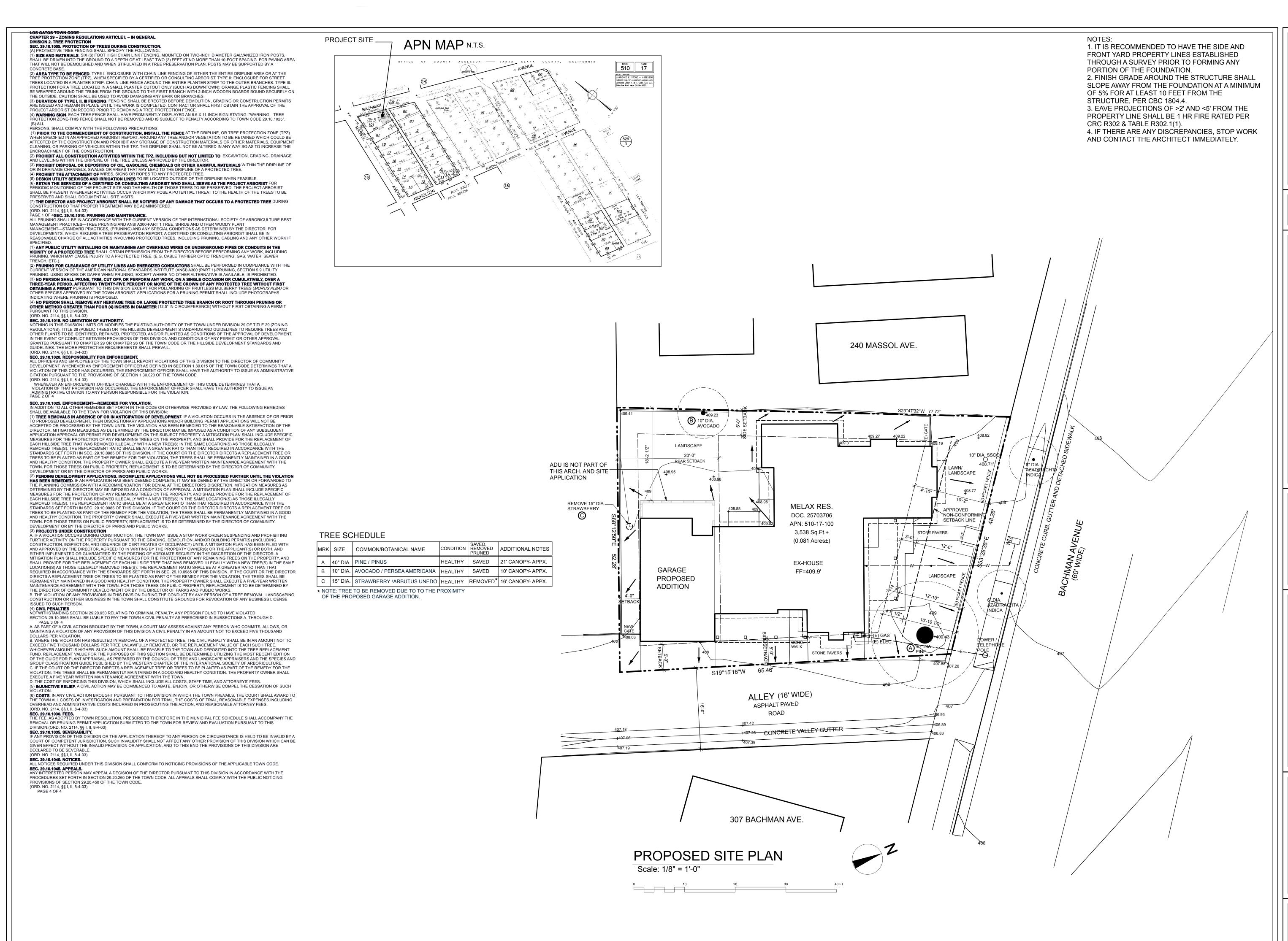
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STORMWATER REDUCTION, PEST CONTROL



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(N) SITE PLAN

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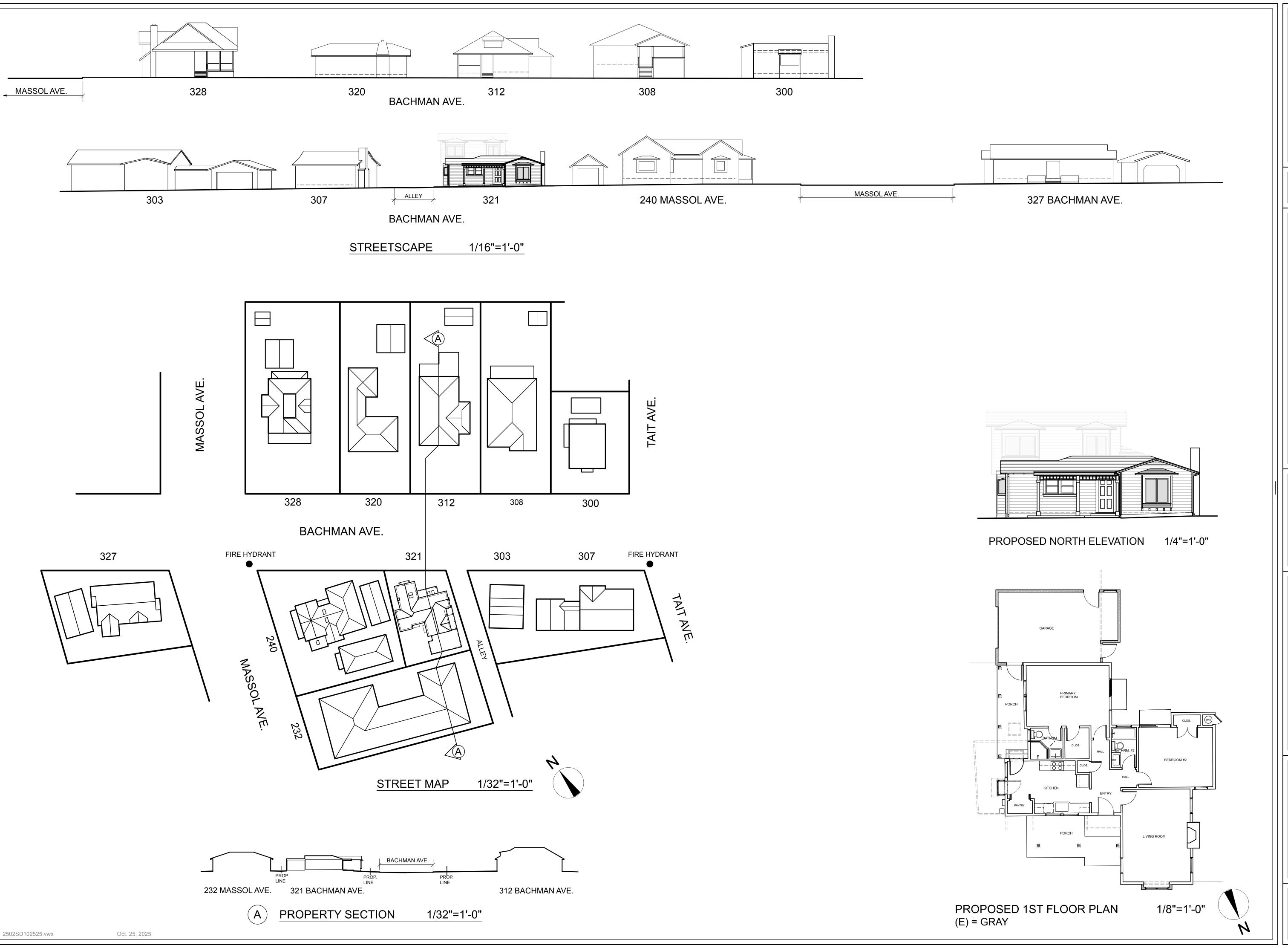
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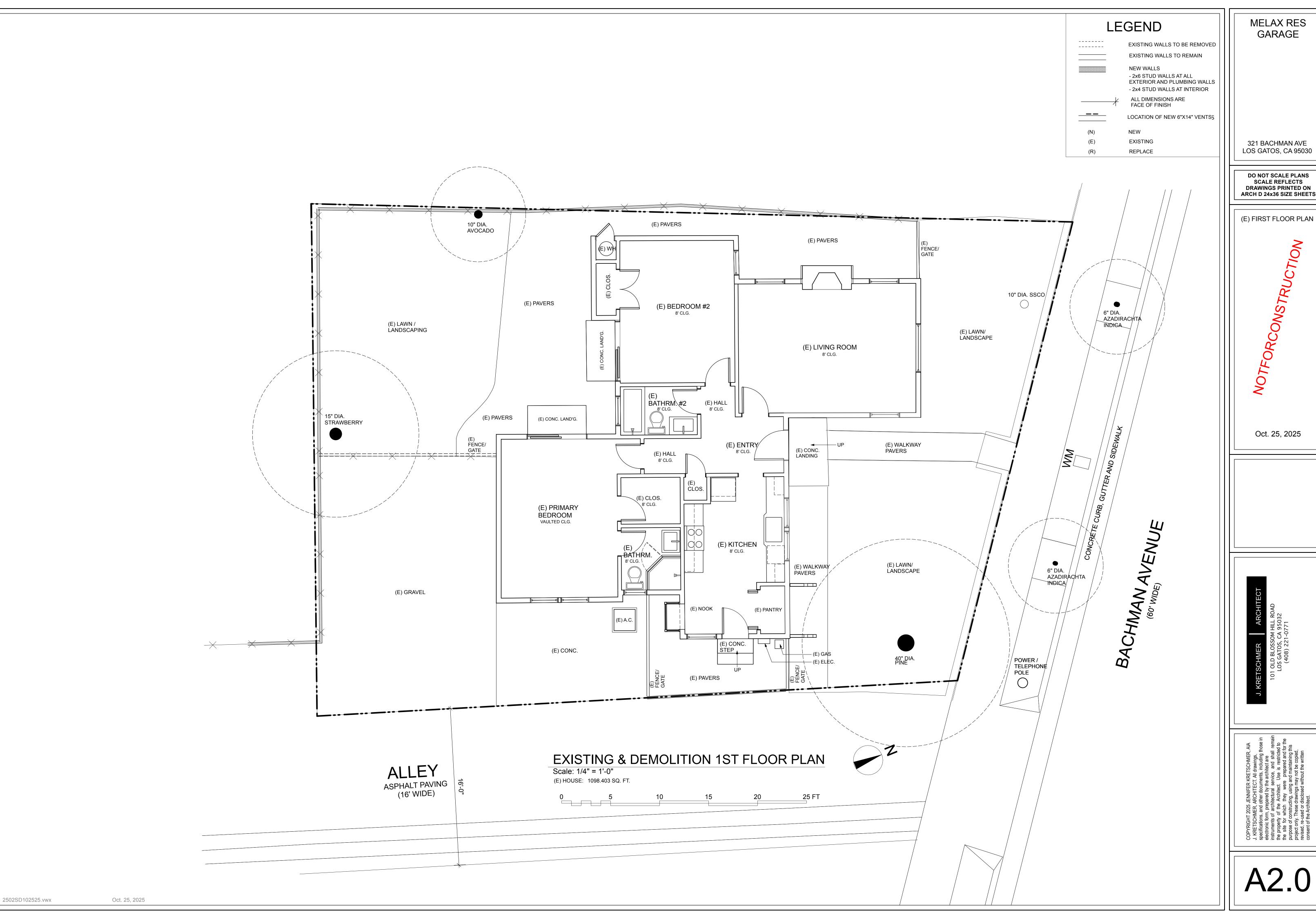
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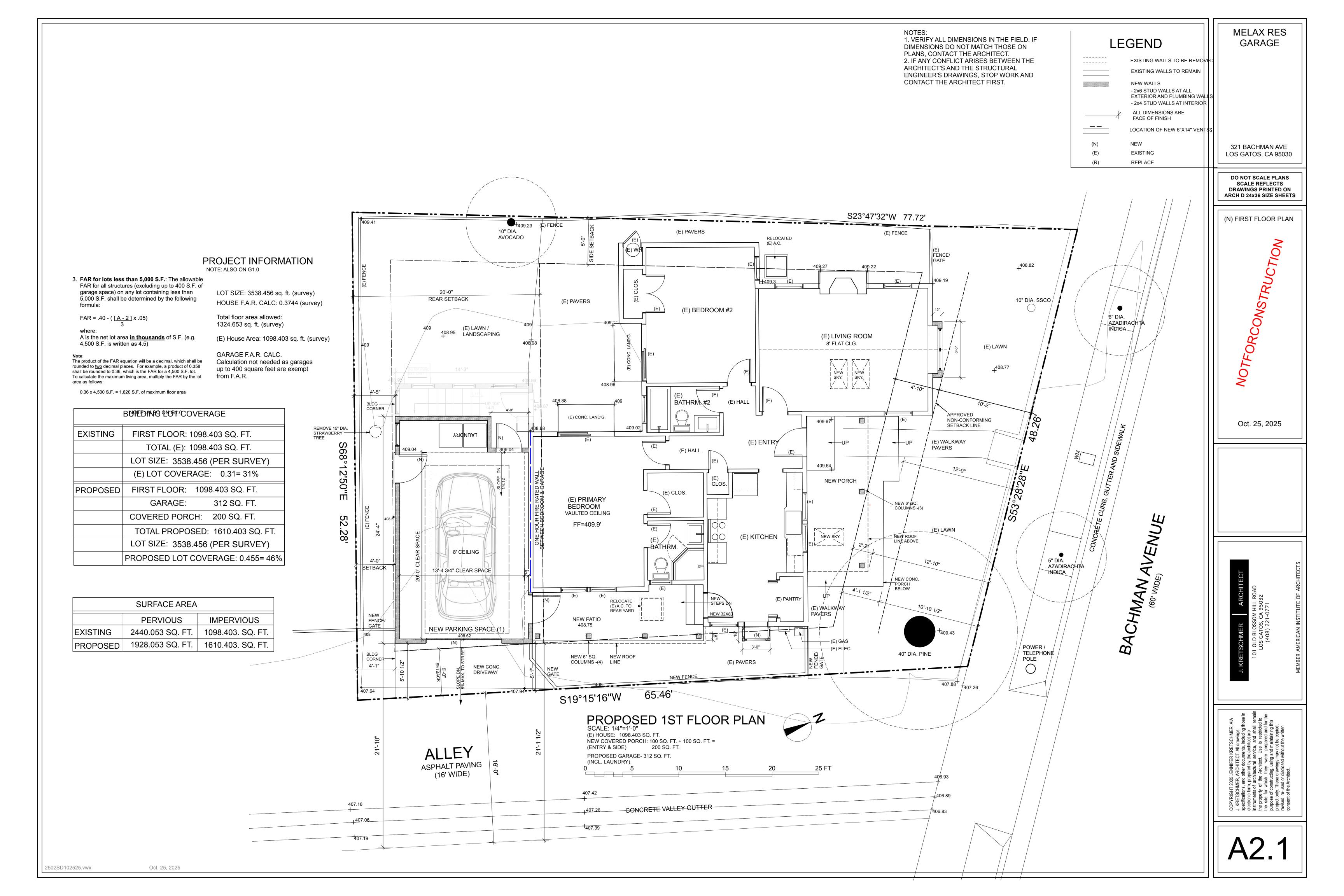
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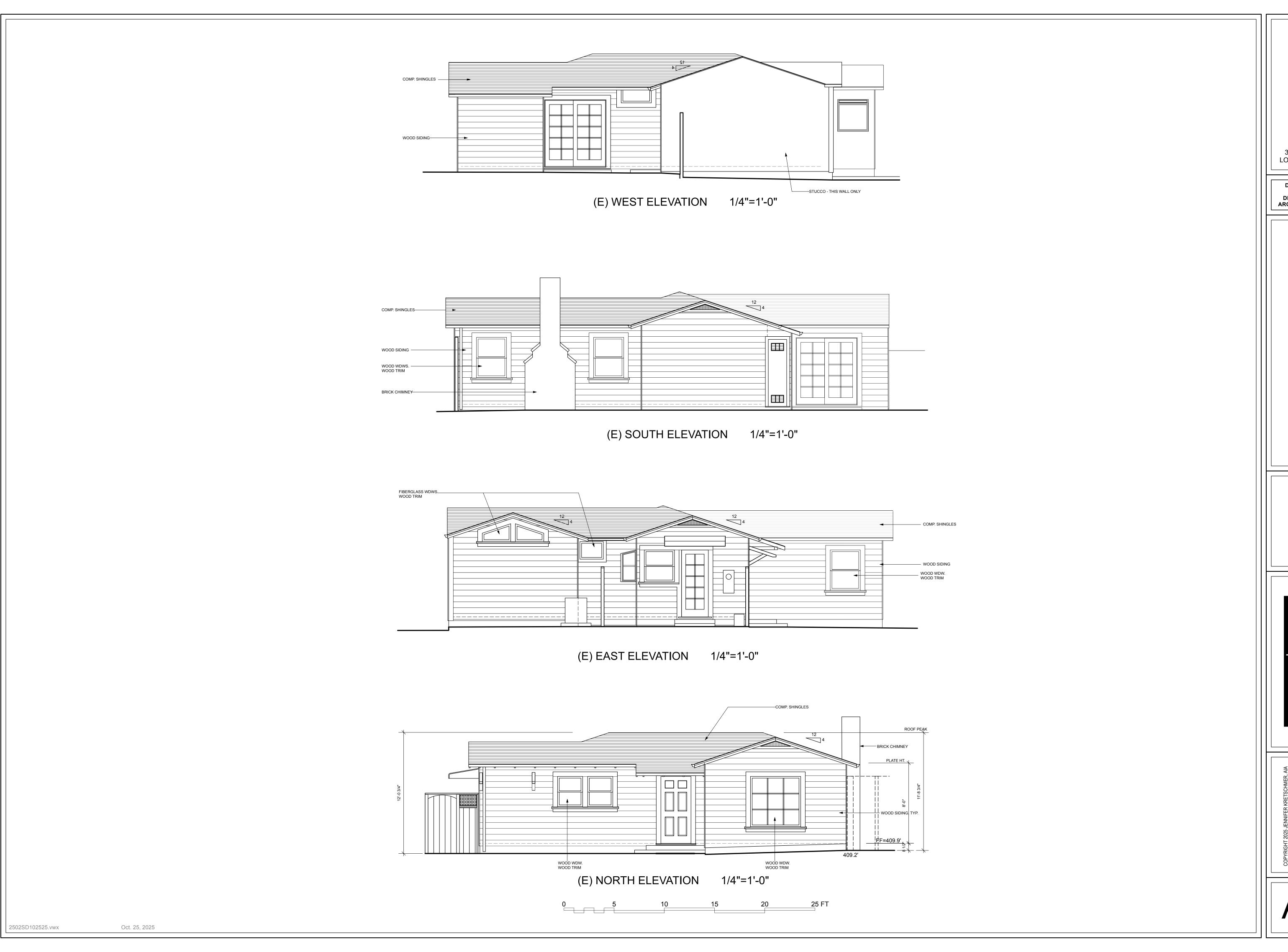


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(E) ELEVATIONS

NO1200

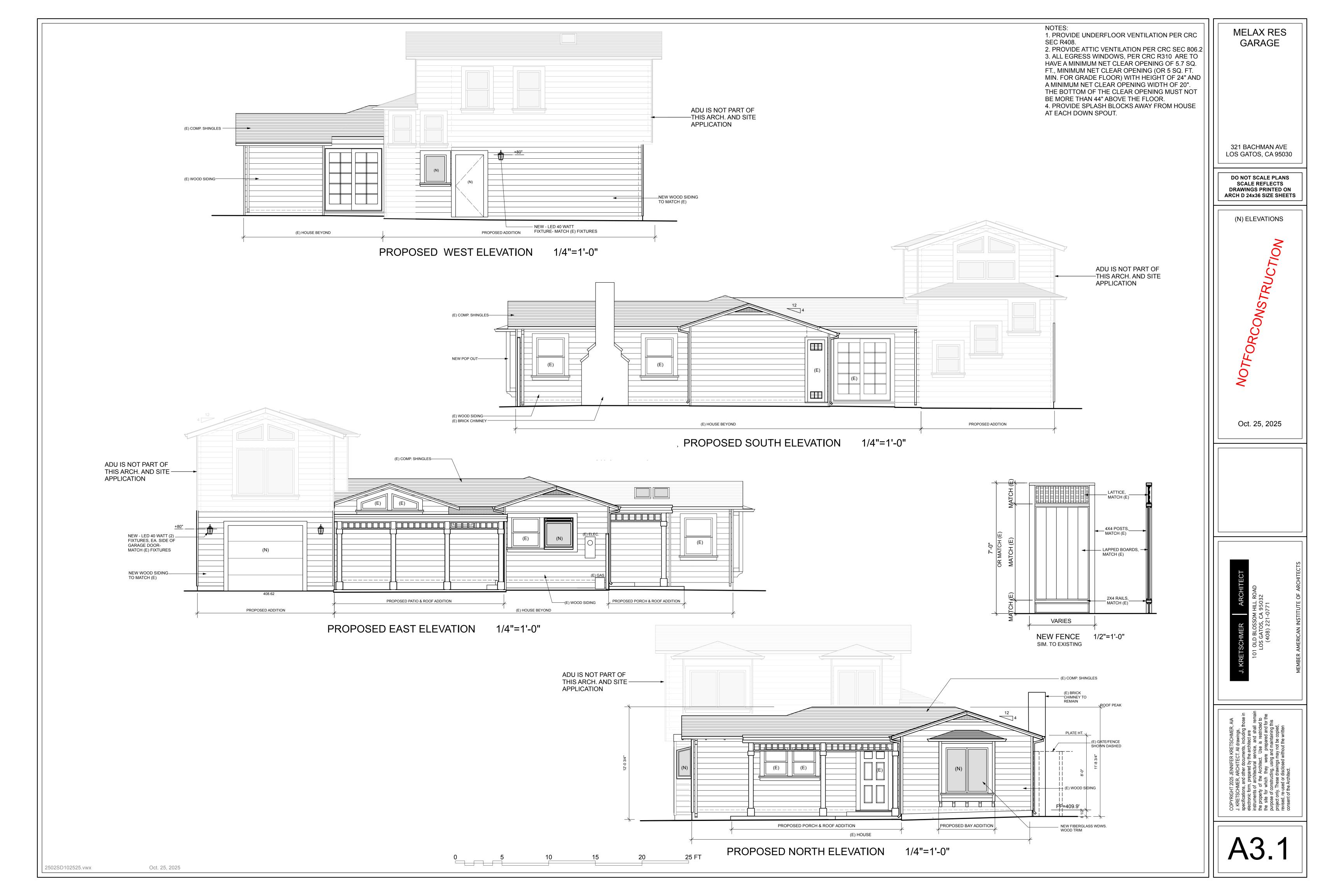
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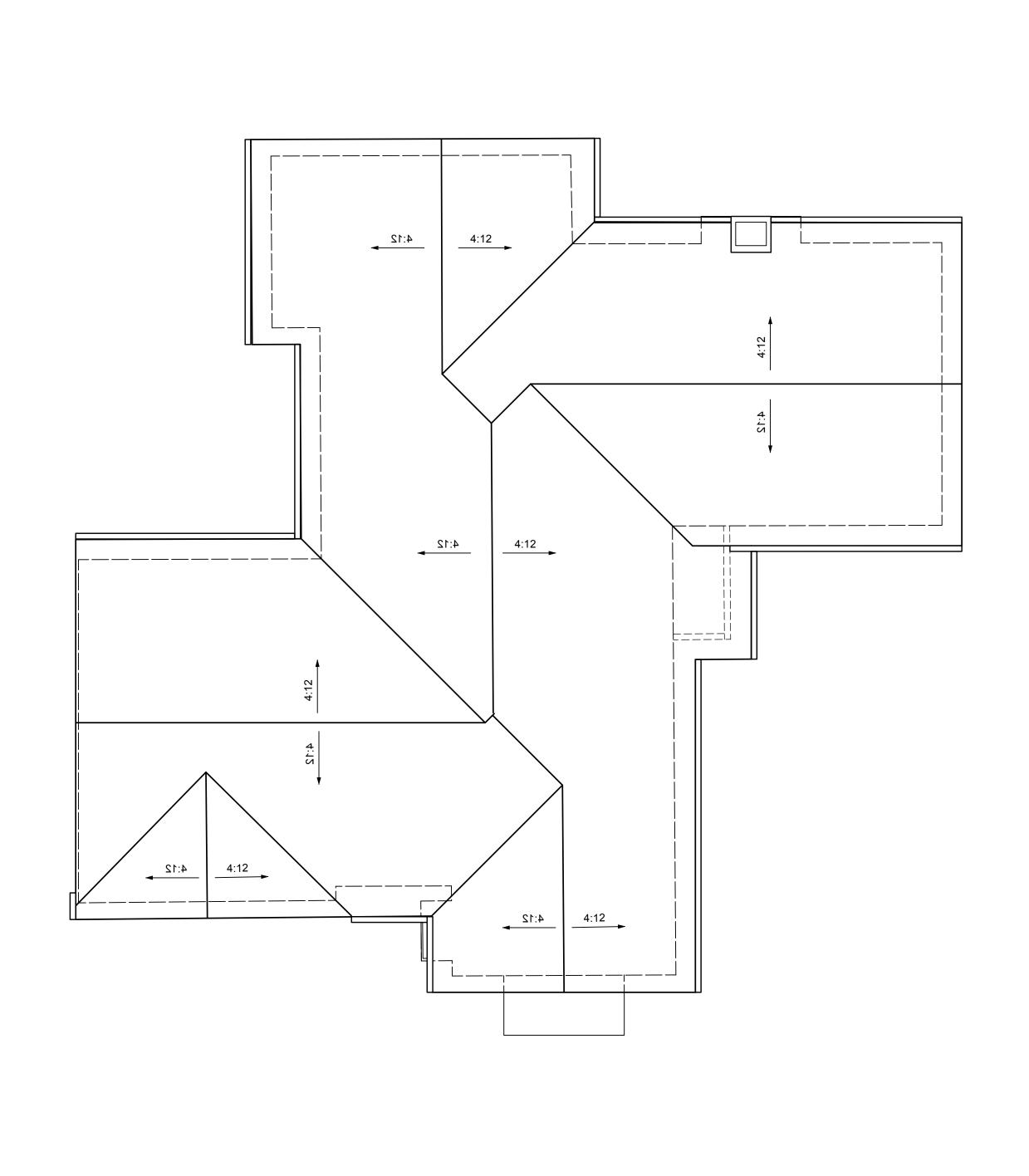
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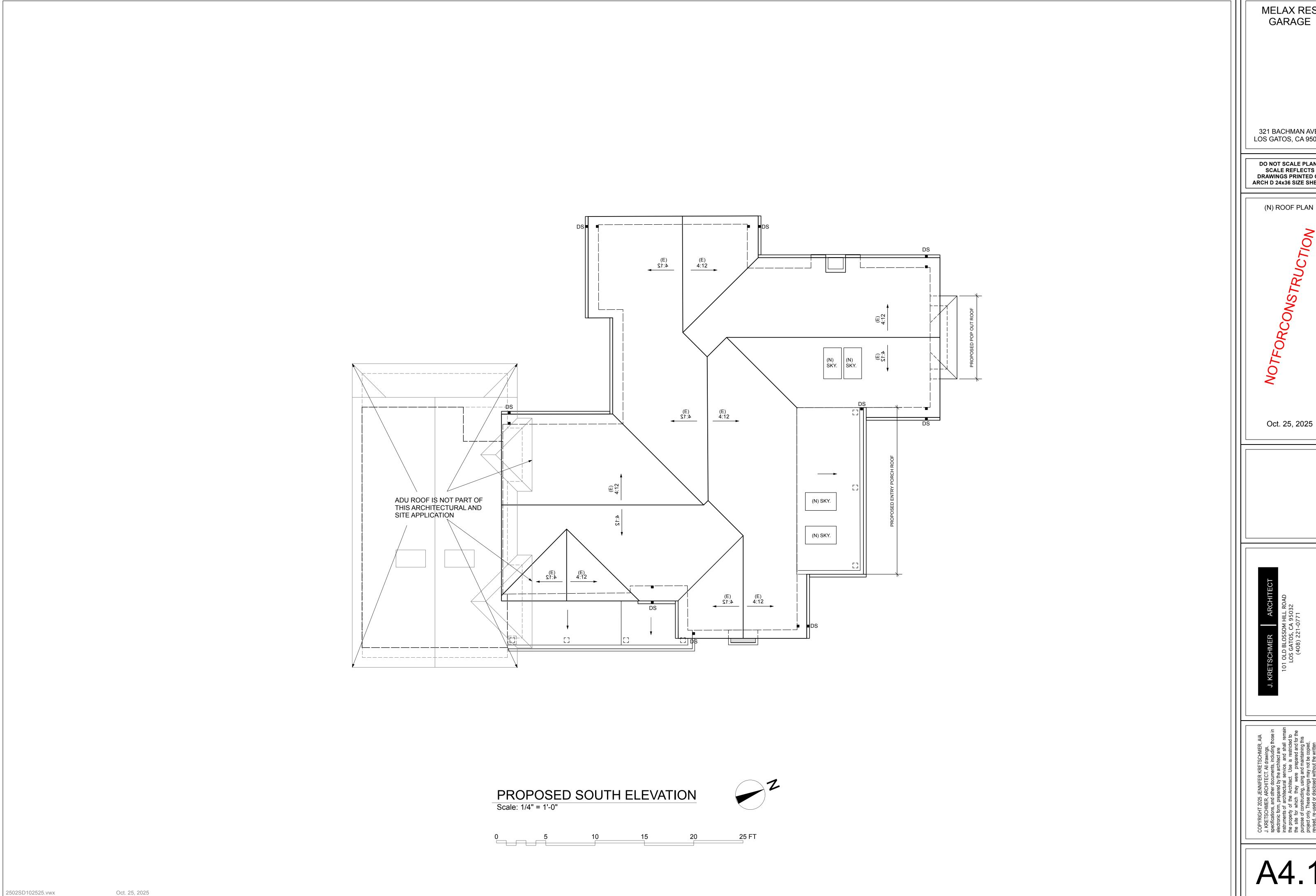




EXISTING ROOF PLAN
Scale: 1/4" = 1'-0"

25 FT

MELAX RES GARAGE 321 BACHMAN AVE LOS GATOS, CA 95030 DO NOT SCALE PLANS SCALE REFLECTS DRAWINGS PRINTED ON ARCH D 24x36 SIZE SHEETS (E) ROOF PLAN Oct. 25, 2025



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(N) ROOF PLAN



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