TITLE OF PROJECT:

" HOUSE RENOVATION & EXPANSION TO EXISTING SINGLE FAMILY RESIDENCY "

2121,NOBILI AVENUE, SANTA CLARA,CA.

SHEET INDEX:

ARCHITECTURAL:

PROJECT DIRECTORY :

SHREE DESIGN TEAM:
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
VIDYA RAVI
(Principal designer)

LOCATION:
2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:
RAVI RAMAANUJAN

REVISION 1	:
REVISION 2	:
REVISION 3	:
REVISION 4	:

DELTA LOG

1 REVISION IN AREA STATEMENT, AND PROJECT DATA

PLOT DATE	: 04/01/2025
SCALE	: 1/8" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDHYA

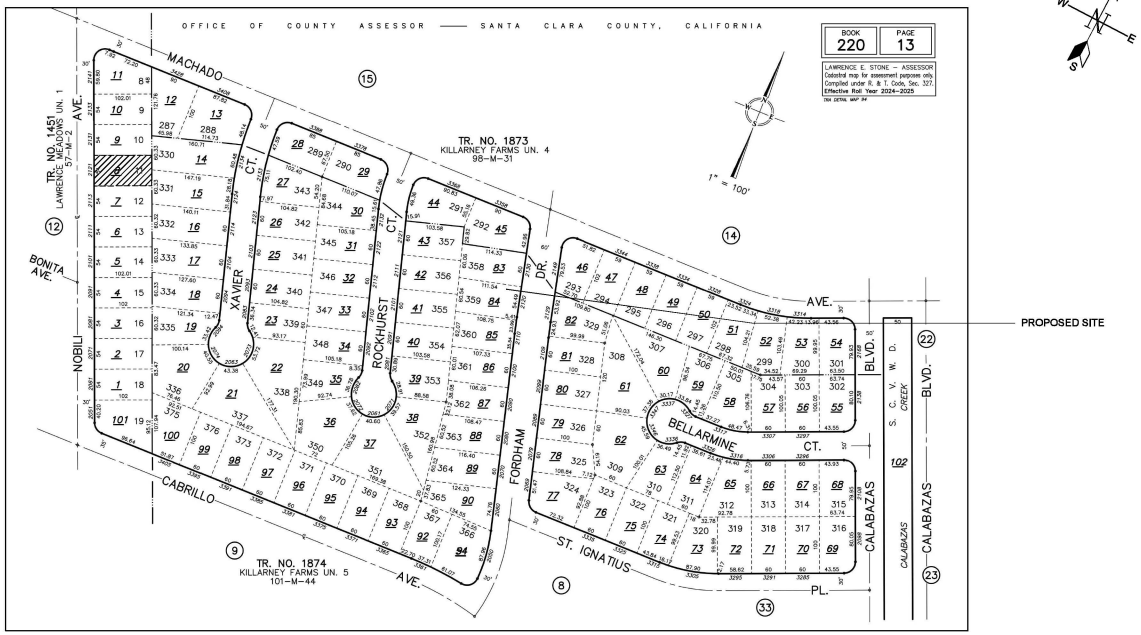
PROJECT NO:
XXXX

SHEET TITLE:
COVER SHEET

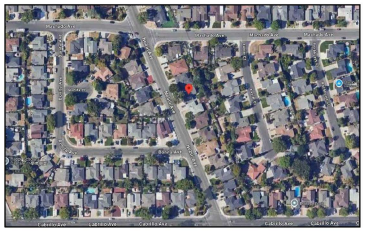
SHEET NO:
CVR-1

PLAT MAP:

EXISTING SUB DIVISION LOTS PLAN:



LOCATION MAP:



SCOPE OF WORK:

* Proposing an Addition and Remodeling to the First floor and addition of second floor to the existing single family residence.

PROJECT DATA:

A.P.N	- 220-13-008
ZONING	- R1
OCCUPANCY	- R1-6L
TYPE OF CONSTRUCTION	- V-B
STORY	- 2 story
LOT SIZE AREA	- 5508 SQ.FT.
FRONT LANDSCAPE	- 1626.8 SQ.FT.
FIRE SPRINKLERS	- NO

AREA STATEMENT:

BUILT YEAR		**1956**
PLOT AREA		= **5508** SQ.FT.
FIRST FLOOR :		
"E" LIVING AREA		= **1266** SQ.FT.
"E" DEMO AREA (-)		= 72.7 SQ.FT.
"N" TOTAL ADDITION		= **323.6** SQ.FT.
"N" LIVING AREA	(1)	= **1589.6** SQ.FT.
"N" FRONT PORCH		= **102.9** SQ.FT.
"N" DECK		= **108** SQ.FT.
"E" GARAGE		= **384** SQ.FT.
SECOND FLOOR :		
ADDITION AREA	(2)	= **886.2** SQ.FT.
BALCONY FACING BACYARD		= **364.2** SQ.FT.
TOTAL BUILDING(GROSS AREA)	(1)+(2)	= **2475.8** SQ.FT.
FLOOR AREA RATIO (FAR)		= 2475.8/5508 X 100 SQ.FT.
45% ALLOWABLE		= 0.4494 X 100 = **44.94 %**
MAX LOT COVERAGE		= (5508/0.40) = **2203** SQ.FT.
LOT COVERAGE		= (1589.6+102.9+108+384)/5508
		= **2184.5**/5508= 0.3968=**39.68%**

ABBREVIATIONS

Above	ABV
Above Finished Floor	AFF
Adjustable/Adjacent	ADJ
Air Conditioning	A/C
Air Handling Unit	AHU
Architectural	ARCH
Beam	BM
Bedroom	BR
Bottom	BOT
By Others/Owner	BO
California Building Code	CBC
Ceiling	CLG
Clear	CLR
Cold Water	CW
Corridor	CORR
Curb + Gutter	C&G
Demolish	DEMO
Department	DEPT
Detail	DET
Diagonal	DIAG
Diameter	DIA
Dimension	DIM
Dishwasher	DW
Door	DR
Door Opening	DO
Down	DN
Downspout	DS
Drawer	DWR
Drawing	DWG
Electrical	ELEC
Elevation	EL
Enlarged	ENL
Entrance	ENTR
Exhaust	EXH
Existing	(E)
Expansion, Expanded	EXP
Exterior	EXT
Feet or Foot	FT
Finish(ed)	FIN
Fire Alarm	FA
Fixture	FIXT
Furnishings, Fixtures, + Equip	FF+E
Floor	FLR
Fluorescent	FLUOR
Furnish, furniture	FURN
General	GEN
Glass	GL
Glazing	GLAZ
Ground	GRND
Handrail	HR
Heating, Ventilation, and AC	HVAC
Height	HT
Horizontal	HORIZ
Hose Bib	HB
Hot Water	HW
Inch	IN
Insulation	INSUL
Interior	INT
International Building Code	IBC
Janitor	JAN
Junction Box	J-BOX
Kitchen	KIT
New	(N)
Non Combustible	NC
North	N
Not in Contract	NIC
Not to Scale	NTS
Paint	PT or PNT
Painted	PTD
Partition	PTN
Pavement	PVMT
Paving	PVG
Power	PWR
Project	PROJ
Property Line	PL
Radius	RAD
Retaining	RET
Revision/Revised/Reversed	REV
Roofing	RFG
Section	SECT
See Civil Drawings	SCD
See Electrical Drawings	SED
See Fire Protection Drawings	SFPD
See Mechanical Drawings	SMD
See Plumbing Drawings	SPD
See Structural Drawings	SSD
Sheet	SHT
South	S
Square	SQ
Square Feet	SF
Standard	STD
Telephone	TEL
Tempered Glass	TMPD
Toilet	TLT
Typical	TYP
Unfinished	UNFIN
West	W
Window	WDW
Yard	YD

GENERAL NOTES

1. the contractor shall become familiar with all existing site conditions and with all design documents provided by the architect of record and principal designer and various design professionals involved in this project, consult with the design architect of record and principal designer for any issue not clear before proceeding the work.
2. the contractor shall verify all dimensions and details shown on these drawings, any discrepancies or omissions found shall be reported to the architect of record and principal designer and other design professionals as appropriate for resolution prior proceeding with any related work.
3. dimensions shall take precedence over scales shown on drawings.
4. notes and details on drawings shall take precedence over general notes and typical details.
5. the contract structural drawings and specifications represent the finished structure. they do not indicate the method of construction. the contractor shall provide all measures necessary to protect the structure during construction . such measures shall include, but not be limited to, bracing, shoring for loads due to construction equipment, etc. observation visits to the site by the structural architect of record and principal designer shall neither be construed as inspection nor approval of construction.
6. construction material shall be spread out if placed on framed floor or roofs. load shall not exceed the design live load per square foot. provide adequate shoring and /or bracing where structure has not attained design strength.
7. ASTM specifications noted on the drawings shall be the latest edition.
8. should say AOR there be any discrepancies between these drawings and actuality, the owner and /or contractor must immediately inform the architectural designer to make necessary corrections before the owner and/or contractor performing the actual construction or ordering the required parts for construction . if failing to inform designer of the discrepancies the designer will not be liable for any monetary damages.

CODE REFERENCE:

CALIFORNIA BUILDING CODE	2022
CALIFORNIA RESIDENTIAL CODE	2022
CALIFORNIA ELECTRICAL CODE	2022
GREEN BUILDING STANDARDS CODE	2022
CALIFORNIA MECHANICAL CODE	2022
CALIFORNIA PLUMBING CODE	2022
CALIFORNIA FIRE CODE	2022
CALIFORNIA ENERGY CODE	2022

AND ALL LOCAL LATEST MUNICIPAL 2022 AND CITY CODES AND ORDINANCES THAT APPLY.

PUBLIC WORK NOTES

Public Right-of-Way- The applicant shall be responsible for any damage to public facilities (sidewalk/landscape/pavement/utilities) that occur as a result of construction. Site photos will be taken at Building Permit final to verify. An Encroachment Permit is required if materials are stored in the street.

Drainage Requirements- The applicant shall create swales around new construction and/or connect new roof drains and drain pipes to the existing drainage system.

Clean Water Requirements- The applicant shall protect the site from erosion and sediment run-off.

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Vidya Ravi
Principal Designer

LOCATION:
2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:
RAVI RAMAANUJAN

REV. DATE1:xx/xx/2023
REV. DATE2:xx/xx/2023

DELTA LOG

PLOT DATE	: 04/01/2025
SCALE	: 1/4" = 1'
DRAWN BY	: GAYATHRI.G
CHECKED BY	: VIDYA RAVI

PROJECT NO:
XXXXXXXXX

SHEET TITLE:
GENERAL NOTES & ABBREVIATION

SHEET NO:
G-2

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
RESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

Y, N/A = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

CHAPTER 3
GREEN BUILDING
SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.1.1 Additions and alterations. [HCD] The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the specific area of the addition or alteration.

The mandatory provision of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section 4.106.4.3 for application.

Note: Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section.

Note: On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.

301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] The provisions of individual sections of CALGreen may apply to either low-rise residential buildings high-rise residential buildings, or both. Individual sections will be designated by banners to indicate where the section applies specifically to low-rise only (LR) or high-rise only (HR). When the section applies to both low-rise and high-rise buildings, no banner will be used.

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

Exceptions:
1. [HCD] Accessory structures and accessory occupancies serving residential buildings shall comply with Chapter 4 and Appendix A4, as applicable.
2. [HCD] For purposes of *CALGreen*, live/work units, complying with Section 419 of the *California Building Code*, shall not be considered mixed occupancies. Live/Work units shall comply with Chapter 4 and Appendix A4, as applicable.

DIVISION 4.1 PLANNING AND DESIGN

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 4
RESIDENTIAL MANDATORY MEASURES

SECTION 4.102 DEFINITIONS

4.102.1 DEFINITIONS
The following terms are defined in Chapter 2 *(and are included here for reference)*

FRENCH DRAIN. A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar pervious material used to collect or channel drainage or runoff water.

WATTLES. Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials such as hay, straw or similar material shaped in the form of tubes and placed on a downflow slope. Wattles are also used for perimeter and inlet controls.

4.106 SITE DEVELOPMENT

4.106.1 GENERAL. Preservation and use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, management of storm water drainage and erosion controls shall comply with this section.

4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site.

1. Retention basins of sufficient size shall be utilized to retain storm water on the site.
2. Where storm water is conveyed to a public drainage system, collection point, gutter or similar disposal method, water shall be filtered by use of a barrier system, wattle or other method approved by the enforcing agency.
3. Compliance with a lawfully enacted storm water management ordinance.

Note: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in total disturbs one acre or more of soil.

(Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html)

4.106.3 GRADING AND PAVING. Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales
2. Water collection and disposal systems
3. French drains
4. Water retention gardens
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Sections 4.106.4.1 or 4.106.4.2 to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the *California Electrical Code*, Article 625.

Exceptions:
1. On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions:
   1.1 Where there is no local utility power supply or the local utility is unable to supply adequate power.
   1.2 Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 4.106.4, may adversely impact the construction cost of the project.
2. Accessory Dwelling Units (ADU) and Junior Accessory Dwelling Units (JADU) without additional parking facilities.

4.106.4.1 New one- and two-family dwellings and townhouses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device.

Exemption: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the *California Electrical Code*.

4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".

4.106.4.2 New multifamily dwellings, hotels and motels and new residential parking facilities. When parking is provided, parking spaces for new multifamily dwellings, hotels and motels shall meet the requirements of Sections 4.106.4.2.1 and 4.106.4.2.2. Calculations for spaces shall be rounded up to the nearest whole number. A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by a local jurisdiction. See Vehicle Code Section 22511.2 for further details.

4.106.4.2.1Multifamily development projects with less than 20 dwelling units; and hotels and motels with less than 20 sleeping units or guest rooms.
The number of dwelling units, sleeping units or guest rooms shall be based on all buildings on a project site subject to this section.

1.EV Capable. Ten (10) percent of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Electrical load calculations shall demonstrate that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces at a minimum of 40 amperes.

The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code.

Exceptions:

1.When EV chargers (Level 2 EVSE) are installed in a number equal to or greater than the required number of EV capable spaces.

2.When EV chargers (Level 2 EVSE) are installed in a number less than the required number of EV capable spaces, the number of EV capable spaces required may be reduced by a number equal to the number of EV chargers installed.

Notes:

a.Construction documents are intended to demonstrate the project's capability and capacity for facilitating future EV charging.

b.There is no requirement for EV spaces to be constructed or available until receptacles for EV charging or EV chargers are installed for use.

2.EV Ready. Twenty-five (25) percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily parking facilities, no more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit.

Exception: Areas of parking facilities served by parking lifts.

4.106.4.2 Multifamily development projects with 20 or more dwelling units, hotels and motels with 20 or more sleeping units or guest rooms.
The number of dwelling units, sleeping units or guest rooms shall be based on all buildings on a project site subject to this section.

1.EV Capable. Ten (10) percent of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Electrical load calculations shall demonstrate that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces at a minimum of 40 amperes.

The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code.

Exception: When EV chargers (Level 2 EVSE) are installed in a number greater than five (5) percent of parking spaces required by Section 4.106.4.2.2, Item 3, the number of EV capable spaces required may be reduced by a number equal to the number of EV chargers installed over the five (5) percent required.

Notes:

a.Construction documents shall show locations of future EV spaces.

b.There is no requirement for EV spaces to be constructed or available until receptacles for EV charging or EV chargers are installed for use.

2.EV Ready. Twenty-five (25) percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily parking facilities, no more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit.

Exception: Areas of parking facilities served by parking lifts.

3.EV Chargers. Five (5) percent of the total number of parking spaces shall be equipped with Level 2 EVSE. Where common use parking is provided, at least one EV charger shall be located in the common use parking area and shall be available for use by all residents or guests.

When low power Level 2 EV charging receptacles or Level 2 EVSE are installed beyond the minimum required, an automatic load management system (ALMS) may be used to reduce the maximum required electrical capacity to each space served by the ALMS. The electrical system and any on-site distribution transformers shall have sufficient capacity to deliver at least 3.3 kW simultaneously to each EV charging station (EVCS) served by the ALMS. The branch circuit shall have a minimum capacity of 40 amperes, and installed EVSE shall have a capacity of not less than 30 amperes. ALMS shall not be used to reduce the minimum required electrical capacity to the required EV capable spaces.

4.106.4.2.2.1 Electric vehicle charging stations (EVCS).
Electric vehicle charging stations required by Section 4.106.4.2.2, Item 3, shall comply with Section 4.106.4.2.2.1.

Exception: Electric vehicle charging stations serving public accommodations, public housing, motels and hotels shall not be required to comply with this section. See California Building Code, Chapter 11B, for applicable requirements.

4.106.4.2.2.1.1 Location.
EVCS shall comply with at least one of the following options:

1.The charging space shall be located adjacent to an accessible parking space meeting the requirements of the California Building Code, Chapter 11A, allowing use of the EV charger from the accessible parking space.

2.The charging space shall be located on an accessible route, as defined in the California Building Code, Chapter 2, to the building.

Exception: Electric vehicle charging stations designed and constructed in compliance with the California Building Code, Chapter 11B, are not required to comply with Section 4.106.4.2.2.1.1 and Section 4.106.4.2.2.1.2, Item 3.

4.106.4.2.2.1.2 Electric vehicle charging stations (EVCS) dimensions.
The charging spaces shall be designed to comply with the following:

1.The minimum length of each EV space shall be 18 feet (5486 mm).

2.The minimum width of each EV space shall be 9 feet (2743 mm).

3.One in every 25 charging spaces, but not less than one, shall also have an 8-foot (2438 mm) wide minimum aisle. A 5-foot (1524 mm) wide minimum aisle shall be permitted provided the minimum width of the EV space is 12 feet (3658 mm).

a.Surface slope for this EV space and the aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083 percent slope) in any direction.

4.106.4.2.2.1.3 Accessible EV spaces.
In addition to the requirements in Sections 4.106.4.2.2.1.1 and 4.106.4.2.2.1.2, all EVSE, when installed, shall comply with the accessibility provisions for EV chargers in the California Building Code, Chapter 11B. EV ready spaces and EVCS in multifamily developments shall comply with California Building Code, Chapter 11A, Section 1109A.

4.106.4.2.3 EV space requirements.
1.Single EV space required. Install a listed raceway capable of accommodating a 208/240-volt dedicated branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or enclosure in close proximity to the location of the proposed location of the EV space. Construction documents shall identify the raceway termination point, receptacle or charger location, as applicable. The service panel and/ or subpanel shall have a 40-ampere minimum dedicated branch circuit, including branch circuit overcurrent protective device installed, or space(s) reserved to permit installation of a branch circuit overcurrent protective device.

Exception: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the location or the proposed location of the EV space at the time of original construction in accordance with the California Electrical Code.

2.Multiple EV spaces required. Construction documents shall indicate the raceway termination point and the location of installed or future EV spaces, receptacles or EV chargers. Construction documents shall also provide information on amperage of installed or future receptacles or EVSE, raceway method(s), wiring schematics and electrical load calculations. Plan design shall be based upon a 40-ampere minimum branch circuit. Required raceways and related components that are planned to be installed underground, enclosed, inaccessible or in concealed areas and spaces shall be installed at the time of original construction.

Exception: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the location or the proposed location of the EV space at the time of original construction in accordance with the California Electrical Code.

4.106.4.2.4 Identification.
The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code.

4.106.4.2.5 Electric Vehicle Ready Space Signage.
Electric vehicle ready spaces shall be identified by signage or pavement markings, in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing multifamily buildings.
When new parking facilities are added, or electrical systems or lighting of existing parking facilities are added or altered and the work requires a building permit, ten (10) percent of the total number of parking spaces added or altered shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE.

Notes:

1.Construction documents are intended to demonstrate the project's capability and capacity for facilitating future EV charging.

2.There is no requirement for EV spaces to be constructed or available until EV chargers are installed for use.

DIVISION 4.2 ENERGY EFFICIENCY

4.201 GENERAL
4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.

DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION

4.303 INDOOR WATER USE
4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the sections 4.303.1.1, 4.303.1.2, 4.303.1.3, and 4.303.4.4.

Note: All noncompliant plumbing fixtures in any residential real property shall be replaced with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy, or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.

4.303.1.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

4.303.1.2 Urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush. The effective flush volume of all other urinals shall not exceed 0.5 gallons per flush.

4.303.1.3 Showerheads.

4.303.1.3.1 Single Showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to only allow one shower outlet to be in operation at a time.

Note: A hand-held shower shall be considered a showerhead.

4.303.1.4 Faucets.

4.303.1.4.1 Residential Lavatory Faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gallons per minute at 60 psi. The minimum flow rate of residential lavatory faucets shall not be less than 0.8 gallons per minute at 20 psi.

4.303.1.4.2 Lavatory Faucets in Common and Public Use Areas. The maximum flow rate of lavatory faucets installed in common and public use areas (outside of dwellings or sleeping units) in residential buildings shall not exceed 0.5 gallons per minute at 60 psi.

4.303.1.4.3 Metering Faucets. Metering faucets when installed in residential buildings shall not deliver more than 0.2 gallons per cycle.

4.303.1.4.4 Kitchen Faucets. The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

4.303.1.4.5 Pre-rinse spray valves.
When installed, shall meet the requirements in the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Sections 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 (d)(7) and shall be equipped with an integral automatic shutoff.

FOR REFERENCE ONLY: The following table and code section have been reprinted from the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations),Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).

TABLE H-2

STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019

PRODUCT CLASS [spray force in ounce force (ozf)]	MAXIMUM FLOW RATE (gpm)
Product Class 1 (≤ 5.0 ozf)	1.00
Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf)	1.20
Product Class 3 (> 8.0 ozf)	1.28

Title 20 Section 1605.3 (h)(4)(A): Commercial prerinse spray values manufactured on or after January 1, 2006, shall have a minimum spray force of not less than 4.0 ounces-force (ozf)[113 grams-force(gf)]

4.303.2 Submeters for multifamily buildings and dwelling units in mixed-used residential/commercial buildings.
Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the *California Plumbing Code*.

4.303.3 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code*.

NOTE:
THIS TABLE COMPILES THE DATA IN SECTION 4.303.1, AND IS INCLUDED AS A CONVENIENCE FOR THE USER.

TABLE - MAXIMUM FIXTURE WATER USE

FIXTURE TYPE	FLOW RATE
SHOWER HEADS (RESIDENTIAL)	1.8 GMP @ 80 PSI
LAVATORY FAUCETS (RESIDENTIAL)	MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI
LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS	0.5 GPM @ 60 PSI
KITCHEN FAUCETS	1.8 GPM @ 60 PSI
METERING FAUCETS	0.2 GAL/CYCLE
WATER CLOSET	1.28 GAL/FLUSH
URINALS	0.125 GAL/FLUSH

4.304 OUTDOOR WATER USE

4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Residential developments shall comply with a local water efficient landscape ordinance or the current *California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO)*, whichever is more stringent.

NOTES:

1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the *California Code Regulations*, Title 23, Chapter 2.7, Division 2. MWELO and supporting documents, including water budget calculator, are available at: https://www.water.ca.gov/

DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE
4.406.1 RODENT PROOFING. Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency.

4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING
4.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65 percent of the non-hazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent local construction and demolition waste management ordinance.

Exceptions:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the jobsite.
3. The enforcing agency may make exceptions to the requirements of this section when isolated jobsites are located in areas beyond the haul boundaries of the diversion facility.

4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN. Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as necessary and shall be available during construction for examination by the enforcing agency.

1. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale.
2. Specify if construction and demolition waste materials will be sorted on-site (source separated) or bulk mixed (single stream).
3. Identify diversion facilities where the construction and demolition waste material collected will be taken.
4. Identify construction methods employed to reduce the amount of construction and demolition waste generated.
5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

4.408.3 WASTE MANAGEMENT COMPANY. Utilize a waste management company, approved by the enforcing agency, which can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with Section 4.408.1.

Note: The owner or contractor may make the determination if the construction and demolition waste materials will be diverted by a waste management company.

4.408.4 WASTE STREAM REDUCTION ALTERNATIVE [LR]. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 3.4 lbs./sq.ft. of the building area shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1

4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 2 pounds per square foot of the building area, shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1

4.408.5 DOCUMENTATION. Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 4.408.2, Items 1 through 5, Section 4.408.3 or Section 4.408.4..

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Residential)" located at www.hcd.ca.gov/CALGreen.html may be used to assist in documenting compliance with this section.
2. Mixed construction and demolition debris (C & D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

4.410 BUILDING MAINTENANCE AND OPERATION

4.410.1 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:

1. 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, HVAC systems, photovoltaic systems, electric vehicle chargers, water-heating systems and other major appliances and equipment
   b. Roof and yard drainage, including gutters and downspouts.
   c. 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 conserve water.
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 inspections verifications required by the enforcing agency or this code.
11. Information from the Department of Forestry and Fire Protection on maintenance of defensible space around residential structures.
12. Information and/or drawings identifying the location of grab bar reinforcements.

4.410.2 RECYCLING BY OCCUPANTS. Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waster, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82 (a)(2)(A) et seq. are note required to comply with the organic waste portion of this section.

DIVISION 4.5 ENVIRONMENTAL QUALITY

SECTION 4.501 GENERAL
4.501.1 Scope
The provisions of this chapter shall outline means of reducing the quality of air contaminants that are odorous, irritating and/or harmful to the comfort and well being of a building's installers, occupants and neighbors.

SECTION 4.502 DEFINITIONS
5.102.1 DEFINITIONS
The following terms are defined in Chapter 2 *(and are included here for reference)*

AGRIFIBER PRODUCTS. Agrifiber products include wheatboard, strawboard, panel substrates and door cores, not including furniture, fixtures and equipment (FF&E) not considered base building elements.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of regulations (CCR), title 17, Section 93120.1.

DIRECT-VENT APPLIANCE. A fuel-burning appliance with a sealed combustion system that draws all air for combustion from the outside atmosphere and discharges all flue gases to the outside atmosphere.

CAL GREEN REQUIREMENT COMPLAINCES

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

RAVI RAMAANUJAN

REV. DATE1:XX/XX/2023
REV. DATE2:XX/XX/2023

PLOT DATE : 04/01/2025
SCALE : 1/4" = 1'
DRAWN BY : GAYATHRI
CHECKED BY : VIDYA RAVI

PROJECT NO:

SHEET TITLE:
CAL GREEN REQUIREMENT COMPLAINCES

SHEET NO:
CAL-GR-3

AIA California

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

RESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Y = YES
NA = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O3/g ROC).
Note: MIR values for individual compounds and hydrocarbon solvents are specified in CCR, Title 17, Sections 94700 and 94701.

MOISTURE CONTENT. The weight of the water in wood expressed in percentage of the weight of the oven-dry wood.

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).
Note: PWMIR is calculated according to equations found in CCR, Title 17, Section 94521 (a).

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

VOC. A volatile organic compound (VOC) broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).

4.503 FIREPLACES

4.503.1 GENERAL. 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 applicable local ordinances.

4.504 POLLUTANT CONTROL

4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. At the time of rough installation, during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of water, dust or debris which may enter the system.

4.504.2 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with this section.

4.504.2.1 Adhesives, Sealants and Caulks. Adhesives, sealant and caulks used on the project shall meet the requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Table 4.504.1 or 4.504.2, as applicable. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products, as specified in Subsection 2 below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with section 94507.

4.504.2.2 Paints and Coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 4.504.3 shall apply.

4.504.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings shall meet the Product-weighted MIR Limits for ROC in Section 94522(a)(2) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(a)(1) and (f)(1) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8, Rule 49.

4.504.2.4 Verification. 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.

TABLE 4.504.1 - ADHESIVE VOC LIMIT[1,2]

(Less Water and Less Exempt Compounds in Grams per Liter)

ARCHITECTURAL APPLICATIONS	VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVE	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.
2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

TABLE 4.504.2 - SEALANT VOC LIMIT

(Less Water and Less Exempt Compounds in Grams per Liter)

SEALANTS	VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NON-POROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

TABLE 4.504.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	VOC LIMIT
FLAT COATINGS	50
NON-FLAT COATINGS	100
NONFLAT-HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.
3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

TABLE 4.504.5 - FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIF. AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIF. CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.
2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16" (8 MM).

DIVISION 4.5 ENVIRONMENTAL QUALITY (continued)

4.504.3 CARPET SYSTEMS. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.

4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.

4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1.

4.504.4 RESILIENT FLOORING SYSTEMS. Where resilient flooring is installed , at least 80% of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.

4.504.5 COMPOSITE WOOD PRODUCTS. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's *Air Toxics Control Measure for Composite Wood* (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5

4.504.5.1 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269, European 636 3S standards, and Canadian CSA 0121, CSA 0151, CSA 0153 and CSA 0325 standards.
5. Other methods acceptable to the enforcing agency.

4.505 INTERIOR MOISTURE CONTROL

4.505.1 General. Buildings shall meet or exceed the provisions of the *California Building Standards Code*.

4.505.2 CONCRETE SLAB FOUNDATIONS. Concrete slab foundations required to have a vapor retarder by California Building Code, Chapter 19, or concrete slab-on-ground floors required to have a vapor retarder by the California Residential Code, Chapter 5, shall also comply with this section.

4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the following:

1. A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clean aggregate shall be provided with a vapor barrier in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06.
2. Other equivalent methods approved by the enforcing agency.
3. A slab design specified by a licensed design professional.

4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19 percent moisture content. Moisture content shall be verified in compliance with the following:

1. Moisture content shall be determined with either a probe-type or contact-type moisture meter.Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements found in Section 101.8 of this code.
2. Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end of each piece verified.
3. At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing.

Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.

4.506 INDOOR AIR QUALITY AND EXHAUST

4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated and shall comply with the following:

1. Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building.
2. Unless functioning as a component of a whole house ventilation system, fans must be controlled by a humidity control.
   a. Humidity controls shall be capable of adjustment between a relative humidity range less than or equal to 50% to a maximum of 80%. A humidity control may utilize manual or automatic means of adjustment.
   b. A humidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in)

Notes:

1. For the purposes of this section, a bathroom is a room which contains a bathtub, shower or tub/shower combination.
2. Lighting integral to bathroom exhaust fans shall comply with the *California Energy Code*.

4.507 ENVIRONMENTAL COMFORT

4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods:

1. The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J - 2011 (Residential Load Calculation), ASHRAE handbooks or other equivalent design software or methods.
2. Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods.
3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection), or other equivalent design software or methods.

Exception: Use of alternate design temperatures necessary to ensure the system functions are acceptable.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

DISCLAIMER: *THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

CAL GREEN REQUIREMENT COMPLAINCES

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesigntean@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

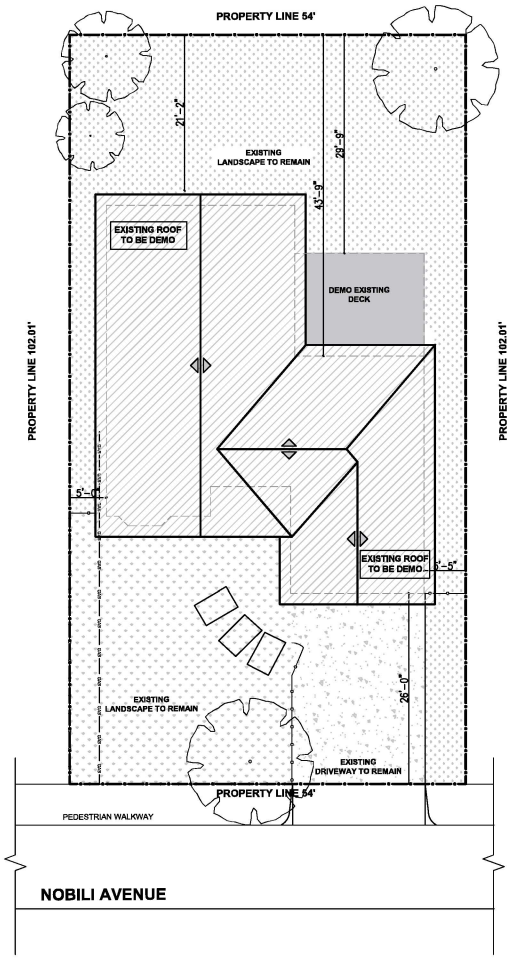
RAVI RAMAANUJAN

	REV. DATE1:XX/XX/2023
	REV. DATE2:XX/XX/2023
PLOT DATE	: 04/01/2025
SCALE	: 1/4" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

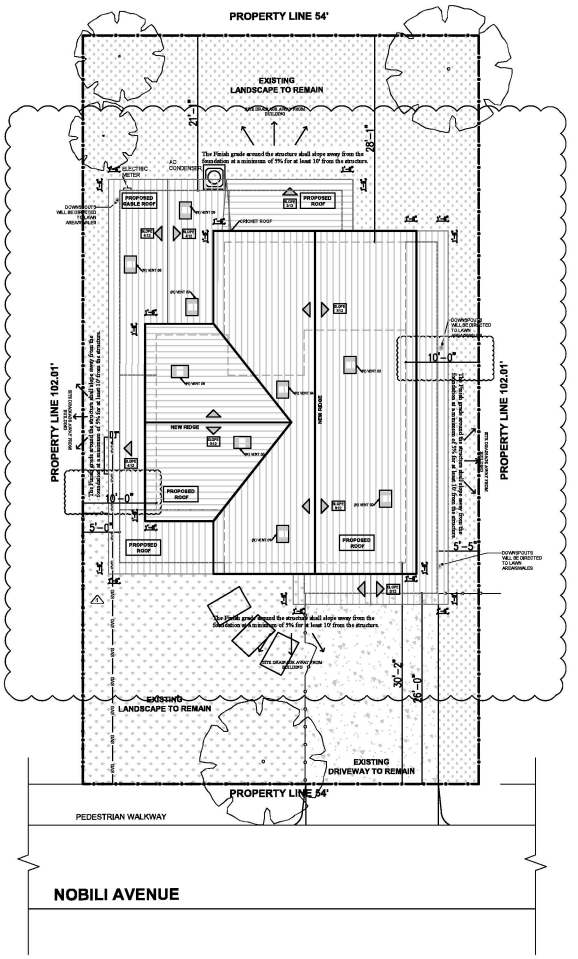
PROJECT NO:

SHEET TITLE:
CAL GREEN REQUIREMENT COMPLAINCES

SHEET NO:
CAL-GR-4



EXISTING SITE PLAN WITH ROOF



PROPOSED SITE PLAN WITH ROOF

VENTILATION CALCULATION:

1. ROOF VENTILATION CALCULATION:
   (886.2+323.6) **1209.8** SQFT/300 = 4.03 SQ FT.
   4.03 X144 = 580.32 SQ IN.

EYEBROW ROOF VENTILATION: 72 SQ IN NET FREE AREA.
580.32/72 = 8.06 EYE BROW VENTILATION REQUIRED.

ROOF NOTES

1. Dashed line indicate wall below.
2. locate gutters and downspouts as shown.
3. All roof drainage shall be piped to street or an approved drainage facility.
4. All Plumbing vents shall be combined into a minimum amount of roof penetrations. all roof penetrators shall occur to the rear of the main house.
5. Attic ventilation shall be provided per section 1505.3 of the C.B.C. (Also see the calculations on this sheet)
6. Locate all roof vents as shown,

GENERAL DEMOLITION NOTES

1. Contractor is responsible for all demolition necessary for installation of new work whether shown here or not indicated due to unforseen conditions.
2. The general contractor shall field verify all dimensions and conditions prior to the installation of the new roofing system. Notify the architect of record and principal designer any discrepancies prior to proceeding.
3. The contractor is to maintain building in a weather-tight condition against inclement weather at all times.
4. Contractor is to verify all existing slopes prior to installation of new roofing.

EXISTING AND PROPOSED SITE PLANS WITH ROOF

N

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Vidya Ravi
Principal Designer

LOCATION:
2121 NOBILI AVENUE,
SANTA CLARA, CA ,USA

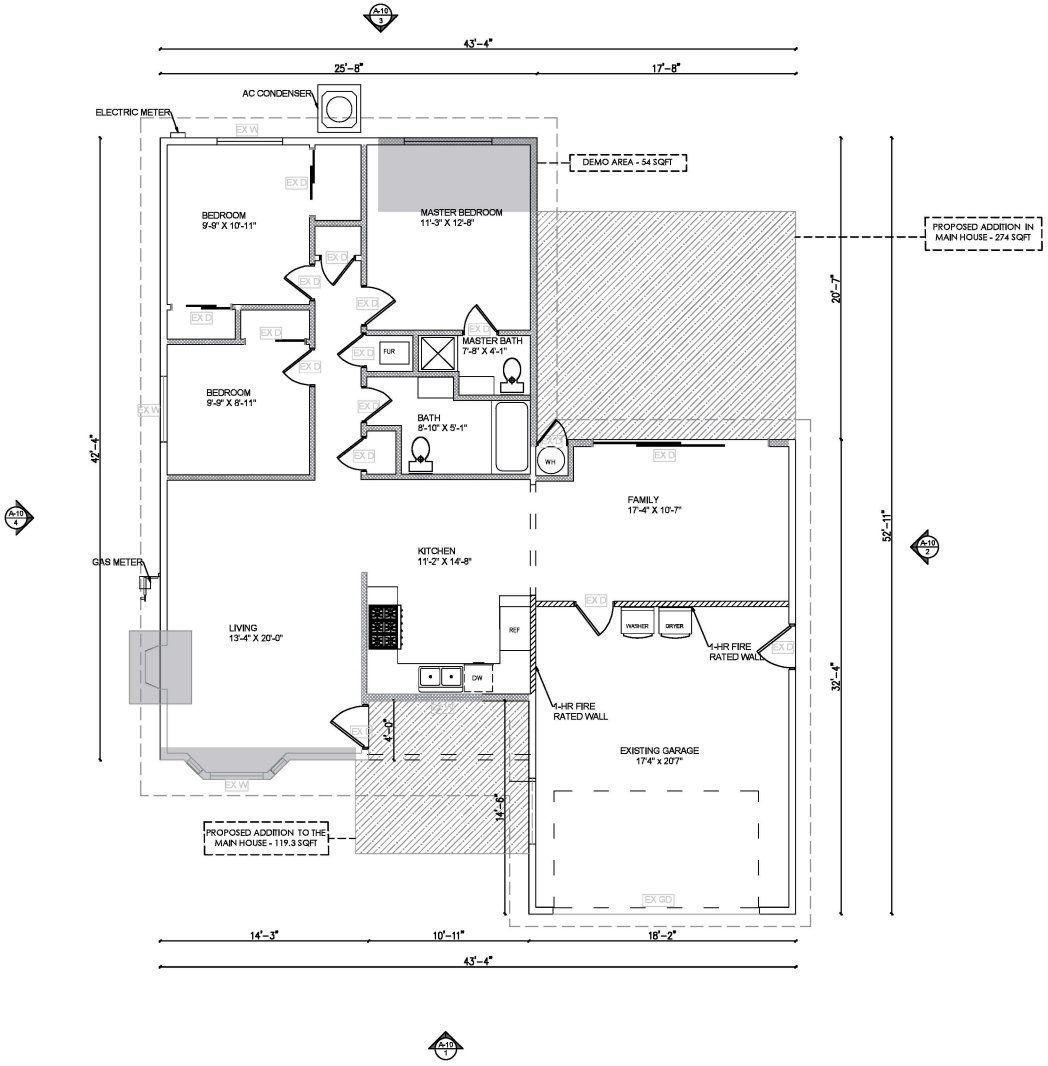
OWNER:
RAVI RAMAANUJAN

REV. DATE1:XX/XX/2023	
REV. DATE2:XX/XX/2023	
PLOT DATE	: 04/01/2025
SCALE	: 1/8" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:
2023/xxx

SHEET TITLE:
EXISTING AND PROPOSED SITE PLANS WITH ROOF

SHEET NO:
SRPL-5



GENERAL DEMOLITION NOTES

1. These demolition plans are meant to be a convenience to the contractor. contractor is responsible for all demolition necessary for installationof new work whether shown here or not.
2. The general contractor shall field verify all dimensionsand conditions prior to the installation of the newroofing system. notify the architect of any discrepancies prior to proceeding.
3. Coordinate removal and reinstallation of roof top structures and equipment with others as required to install new roofing system. see details indicated on new roof plan for additional information. general contractor is responsible for extending all utilities and ductwork as required to reconnect equipment for complete installation. all mechanical and electrical work shall be in accordance with the national, state, and local building codes.
4. The contractor is to maintain building in a weather- tight condition against inclement weather at all times.
5. Any item not designated as "existing" shall be assumed to be new.
6. Contractor is to verify all existing slopes prior to installation of new roofing.
7. All existing roof top equipment is to remain unless otherwise noted.

LEGEND

- EXISTING RETAINING WALL TO BE REMAIN
- EXISTING 1 HR FIRE RATED WALL
- EXISTING RETAINING WINDOW TO BE REMAIN
- EXISTING WINDOW TO BE REMOVED
- DEMO WALL
- DEMO AREA
- PROPOSED ADDITION
- EXISTING RETAINING DOOR TO BE REMAIN

EXISTING DOOR & WINDOW SCHEDULE

- EX SD - EXISTING SLIDING DOOR
- EX D - EXISTING DOOR
- EX W - EXISTING WINDOW

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

XXXXXXXXXX

REV. DATE1:XX/XX/2023	
REV. DATE2:XX/XX/2023	
PLOT DATE	: 04/01/2025
SCALE	: 1/4" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:

2022/xxx

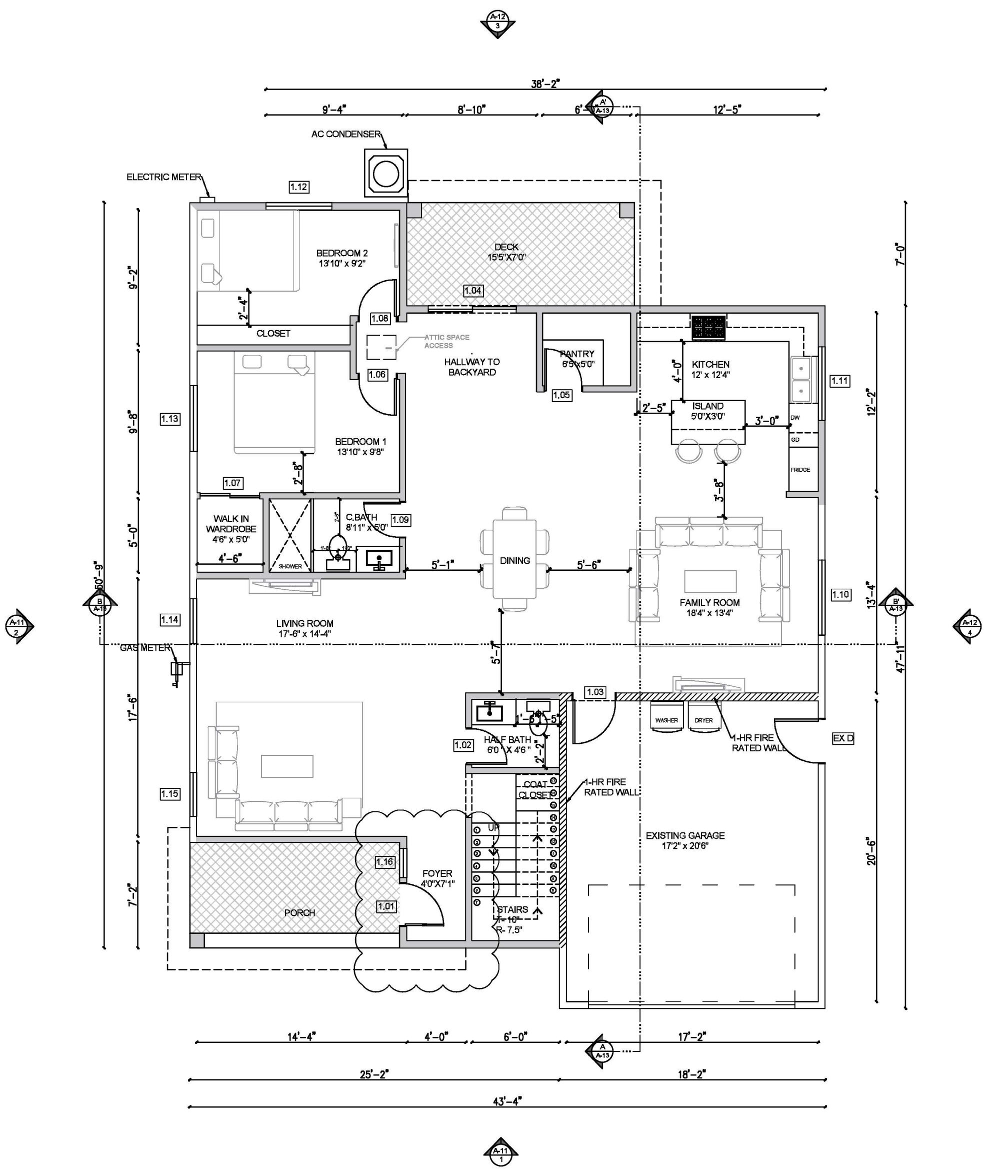
SHEET TITLE:

EXISTING FLOOR PLANS

SHEET NO:

A-6

EXISTING FLOOR PLANS



PROPOSED FIRST FLOOR PLAN

LEGEND

- EXISTING WALL
- PROPOSED WALL
- EXISTING DOOR
- PROPOSED DOOR
- PROPOSED PORCH AN DECK

GENERAL REQUIREMENT

1. Guest rooms and congregate residences shall be provided with heating facilities capable of maintaining a room temperature of 68 degree f at a point 3 feet above the floor in all habitable rooms and 2 feet from exterior wall.
2. All mixing valves (including over a tub) shall be pressure balancing and set a maximum 120 degree f. all water filler valve in bath tubs/ whirlpools shall have a temperature limiting device set at a maximum of 120 degree f. the water heater thermostat cannot be used to meet these provisions. access shall be provided for all tempura mixing valves.
3. Bathtub waste opening in the floor over the crawl space shall be protected by a metal screen not exceeding $\frac{1}{2}$" or a solid cover.
4. All plumbing vents shall terminate not less than 6" above roof nor less than 1' from any vertical surface. vents shall terminate not less than 10" from or 3' above any window,door,opening,air intake, or vent shaft nor 3' from lot line.
5. A non - removable back flow preventer or bib-type vacuum breaker will be installed on all exterior hose bibs.
6. All joints and seams of duct systems shall be sealed material meeting the ul 181 standard.
7. All receptacles will be tamper - resistent (tr marking).
8. Rain gutters, downspouts and splash blocks throughout are required.
9. All recessin candescent lighting fixtures shall be rated as air-tight (at) and, when installed in an insulated ceiling shall have an approved zero clearance insulation cover (ic).
10. Provide showers and tub-shower combinations with individual control valves of the pressure balance or the thermostatic mixing valve type.
11. The manufacturer's installation instructions for all listed appliances and materials shall be available to the field inspector at the time of inspections. [2022 CRC Sec. R106.1.2]
12. there will be no changes to the existing plumbing system and that new construction will not block, cover-up, or impede with proper ventilation of flue or vent gases. If alterations are made to existing flues or venting this will be indicated on the plans. [2022 CPC 103.2]
13. Thickness of gypsum board panel in exterior wall covering-½" sheetrock at trusses spaced 24" o.c.
14. 1-hr fire rated with self closing or automatic closing and self latching device.
15. Smooth , hard non obsorbment surface (ex.ceramic tiles) over a moisturizer resistance underlayment (ex.w.r.gyp) to a height of 72 inch above the drain inlet.
16. (N)Shower
17. (N)Shower door temp. (if door used) and width 22 inch min.
18. Vent for clothes dryer max 14 ft. - run 2 inch 90 degree bend.

02. LANDING NOTES:

20. Landing at required egress doors shall not be more than 1 $\frac{1}{2}$" lower than the top of the threshold. exception: a door may open at a landing that is not more than 7-$\frac{3}{4}$" lower than the floor level if the door does not swing over the landing.(CRC R311.3.1 & R311.3.2).

03. WEATHER RESISTANCE LEGENDS :

A. Weather strip
B. Landing 3 ft. deep 10 in. run 7.75 ft. rise max.
C. Smooth , hard non obsorbment surface (ex.ceramic tiles) over a moisturizer resistance underlayment (ex.w.r.gyp) to a height of 72 inch above the drain inlet.
D. (N)Shower
E. (N)Shower door temp. (if door used) and width 22 inch min.
F. Vent for clothes dryer max 14 ft. - run 2 inch 90 degree bend.

(S)SERVICES NOTES :

21. THE BATHROOM FANS SHALL BE CONTROLLED BY A HUMIDISTAT AND BE ENERGY STAR RATED. CRC R303.3.1
22. SEWER LINE (3" PIPE)

DOOR & WINDOW SCHEDULE:

Window Schedule	Size (WXH)	Count	Windows Type	Comments
1.10	60" X 48"	1.0	Horizontal Sliding Single Window	Family Living
1.11	60" X 48"	1.0	Horizontal Sliding Single Window	Kitchen
1.12	54" X 48"	1.0	Horizontal Sliding Single Window	Bedroom 02
1.13	54" X 48"	1.0	Horizontal Sliding Single Window	Bedroom 01
1.14	36" X 48"	1.0	Vertical Sliding Single Window	Living room
1.15	36" X 48"	1.0	Vertical Sliding Single Window	Living room
1.16	24" X 80"	1.0	Transom Window temp. glz.	Foyer

Door Schedule	Size (WXH)	Count	New/ Existing	Doors Type	location
1.01	36" x 80"	1.0	New	Standard door	Main entry
1.02	28" X 80"	1.0	New	Standard door	Half bath
1.03	36" x 80"	1.0	New	1hr Fire-rated door	Garage
1.04	72" x 80"	1.0	New	Sliding Door	backyard Door
1.05	28" x 80"	1.0	New	Standard door	Pantry
1.06	32" x 80"	1.0	New	Standard door	Bedroom 01
1.07	48" x 80"	1.0	New	Standard door	closet
1.08	32" x 80"	1.0	New	Standard door	Bedroom 02
1.09	30" x 80"	1.0	New	Standard door	Common bath

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

RAVI RAMAANUJAN

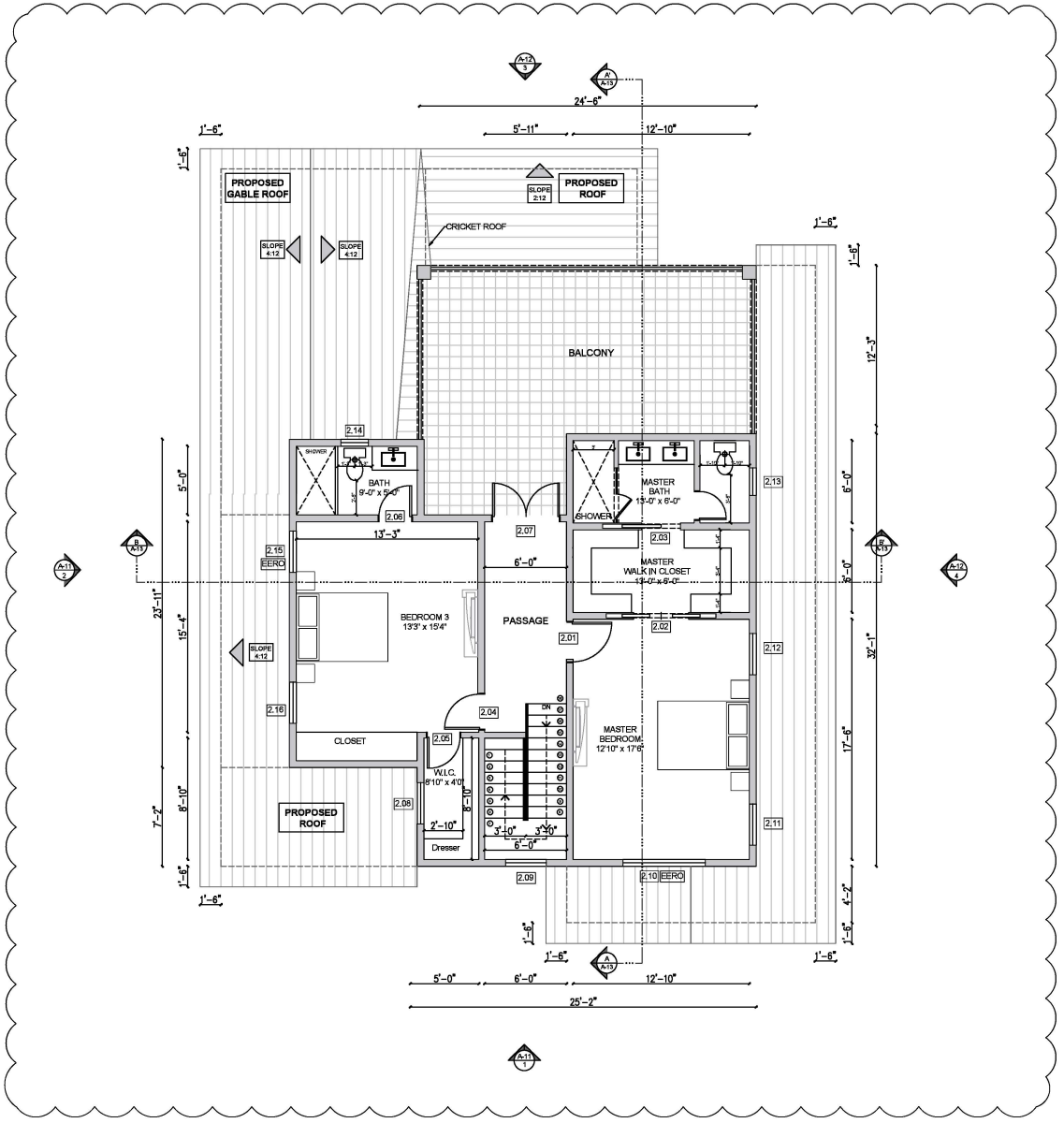
REV. DATE1:XX/XX/2023
REV. DATE2:XX/XX/2023

PLOT DATE	: 04/01/2025
SCALE	: $\frac{1}{4}$" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:
2024/xxx

SHEET TITLE:
PROPOSED FIRST FLOOR PLAN

SHEET NO:
A-7



PROPOSED SECOND FLOOR PLAN

LEGEND

- PROPOSED WALL
- PROPOSED DOOR
- PROPOSED BALCONY

GENERAL REQUIREMENT

1. Guest rooms and congregate residences shall be provided with heating facilities capable of maintaining a room temperature of 68 degree f at a point 3 feet above the floor in all habitable rooms and 2 feet from exterior wall.
2. All mixing valves (including over a tub) shall be pressure balancing and set a maximum 120 degree f, all water filler valve in bath tube/ whirlpools shall have a temperature limiting device set at a maximum of 120 degree f, the water heater thermostat cannot be used to meet these provisions. access shall be provided for all tempura mixing valves.
3. Bathtub waste opening in the floor over the crawl space shall be protected by a metal screen not exceeding ¼" or a solid cover.
4. All plumbing vents shall terminate not less than 6" above roof nor less than 1' from any vertical surface, vents shall terminate not less than 10' from or 3' above any window, door, opening, air intake, or vent shaft nor 3' from lot line.
5. A non - removable back flow preventer or bib-type vacuum breaker will be installed on all exterior hose bibs.
6. All joints and seams of duct systems shall be sealed material meeting the ul 181 standard.
7. All receptacles will be tamper - resistent (tr marking).
8. Rain gutters, downspouts and splash blocks throughout are required.
9. All recessin candescent lighting fixtures shall be rated as air-tight (at) and, when installed in an insulated ceiling shall have an approved zero clearance insulation cover (ic).
10. Provide showers and tub-shower combinations with individual control valves of the pressure balance or the thermostatic mixing valve type.
11. The manufacturer's installation instructions for all listed appliances and materials shall be available to the field inspector at the time of inspections. [2022 CRC Sec. R106.1.2]
12. there will be no changes to the existing plumbing system and that new construction will not block, cover-up, or impede with proper ventilation of flue or vent gases. If alterations are made to existing flues or venting this will be indicated on the plans. [2022 CPC 103,2]
13. Thickness of gypsum board panel in exterior wall covering-½" sheetrock at trusses spaced 24" o.c.
14. 1-hr fire rated with self closing or automatic closing and self latching device,
15. Smooth , hard non absorbment surface (ex.ceramic tiles) over a moisturizer resistance underlayment (ex.w.r.gyp) to a height of 72 inch above the drain inlet.
16. (N)Shower
17. (N)Shower door temp. (if door used) and width 22 inch min.
18. Vent for clothes dryer max 14 ft. - run 2 inch 90 degree bend.

02. LANDING NOTES:

20. Landing at required egress doors shall not be more than 1 ¾" lower than the top of the threshold. exception: a door may open at a landing that is not more than 7-¾" lower than the floor level if the door does not swing over the landing.(CRC R311,3,1 & R311,3,2).

03. WEATHER RESISTANCE LEGENDS :

A. Weather strip
B. Landing 3 ft. deep 10 in. run 7.75 ft. rise max.
C. Smooth , hard non obsorbment surface (ex.ceramic tiles) over a moisturizer resistance underlayment (ex.w.r.gyp) to a height of 72 inch above the drain inlet.
D. (N)Shower
E. (N)Shower door temp. (if door used) and width 22 inch min.
F. Vent for clothes dryer max 14 ft. - run 2 inch 90 degree bend.

(S)SERVICES NOTES :

21. THE BATHROOM FANS SHALL BE CONTROLLED BY A HUMIDISTAT AND BE ENERGY STAR RATED, CRC R303,3,1
22. SEWER LINE (3" PIPE)

DOOR & WINDOW SCHEDULE:

Window Schedule	Size [WXH]	Count	Windows Type	Comments
2.08	36" X 36"	1.0	Fixed panel Window(Temp. glz.)	Closet
2.09	36" X 36"	1.0	Fixed panel Window(Temp. glz.)	Stair(open to below)
2.10	36" X 36"	1.0	Horizontal sliding window - Temp.glss. (EERO)	Master bedroom
2.11	36" X 36"	1.0	Casement Window	Master bedroom
2.12	24" X 24"	1.0	Casement Window	Master bedroom
2.13	36" X 36"	1.0	Awning Window	Master Bath
2.14	24" X 24"	1.0	Awning Window	Bath
2.15	36" X 36"	1.0	Casement Window(EERO)	Bedroom 03
2.16	36" X 36"	1.0	Casement Window	Bedroom 03

Door Schedule	Size [WXH]	Count	New/ Existing	Doors Type	location
2.01	32" x 80"	1.0	New	Standard door	Master Bedroom
2.02	48" x 80"	1.0	New	Pocket door	Master W.I.Closet
2.03	32" X 80"	1.0	New	Pocket door	Master Bathroom
2.04	32" x 80"	1.0	New	Standard door	Bedroom 03
2.05	32" x 80"	1.0	New	Standard door	W.I.Closet
2.06	30" x 80"	1.0	New	Standard door	Bathroom
2.07	60" x 80"	1.0	New	Double door	Balcony

AREA STATEMENT :

AREA OF THE SECOND FLOOR	886.2 SQ. FT.
BALCONY FACING BACKYARD	364.2 SQ. FT.

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Vidya Ravi
Principal Designer

LOCATION:
2121, NOBILI AVENUE,
SANTA CLARA, CA.

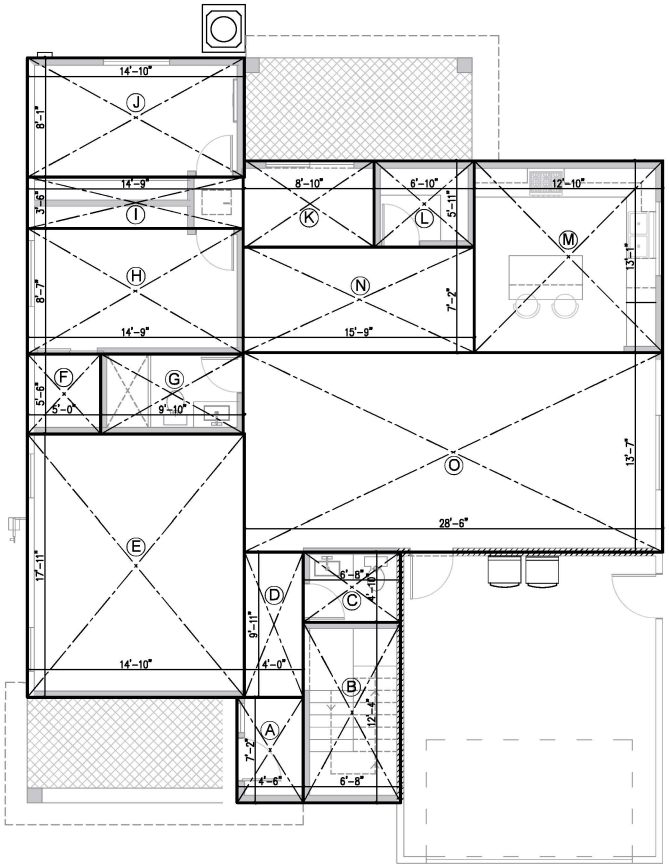
OWNER:
RAVI RAMAANUJAN

REV. DATE1:XX/XX/2023	
REV. DATE2:XX/XX/2023	
PLOT DATE	: 04/01/2025
SCALE	: ¼" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

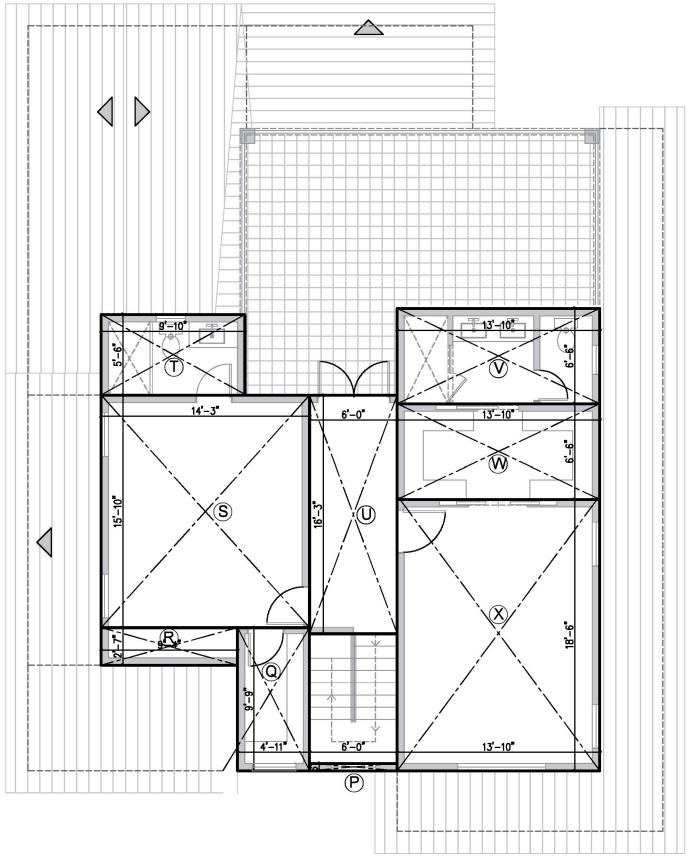
PROJECT NO:
2024/xxx

SHEET TITLE:
PROPOSED SECOND FLOOR PLAN

SHEET NO:
A-8



PROPOSED FIRST FLOOR



PROPOSED SECOND FLOOR

MEASUREMENT TO EXTERIOR FINISH: **(FIRST FLOOR)**

FLOOR AREA CALCULATION(NET AREA):

LABEL	DIMENSIONS	AREA (SQ.FT)
A	4'6" X 7'2"	32.4 SQ.FT.
B	6'8" X 12'4"	81.7 SQ.FT
C	4'10" X 6'8"	31.8 SQ.FT
D	4'0" X 9'11"	38.9 SQ.FT
E	14'10" X 17'11"	265.4 SQ.FT
F	5'0" X 5'6"	27.3 SQ.FT
G	9'10" X 5'6"	53.1 SQ.FT
H	14'9" X 8'7"	126.0 SQ.FT
I	14'9" X 3'6"	51.5 SQ.FT
J	14'10" X 8'1"	120.1 SQ.FT
K	8'10" X 5'11"	52.4 SQ.FT
L	6'10" X 5'11"	40.2 SQ.FT
M	12'10" X 13'1"	168.0 SQ.FT
N	15'7" X 7'2"	113.4 SQ.FT
O	28'6" X 13'7"	387.4 SQ.FT
TOTAL CONDITIONED AREA(NET AREA)		**1589.6 SQ.FT**

MEASUREMENT TO EXTERIOR FINISH: **(SECOND FLOOR)**

FLOOR AREA CALCULATION(NET AREA):

P	6'0" X 0'6"	3.0 SQ.FT.
Q	4'11" X 9'9"	47.9 SQ.FT
R	9'4" X 2'7"	23.8 SQ.FT
S	14'3" X 15'10"	224.9 SQ.FT
T	9'10" X 5'6"	54.4 SQ.FT.
U	6'0" X 16'3"	97.0 SQ.FT
V	13'10" X 6'6"	89.8 SQ.FT
W	13'10" X 6'6"	89.8 SQ.FT
X	13'10" X 18'6"	255.6 SQ.FT
TOTAL CONDITIONED AREA(NET AREA)		**886.2 SQ.FT**

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

RAVI RAMAANUJAN

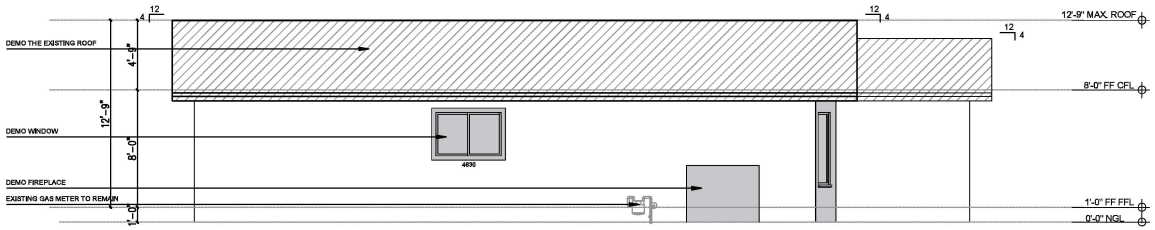
REV. DATE1:XX/XX/2023
REV. DATE2:XX/XX/2023

PLOT DATE	: 04/01/2025
SCALE	: 1/4" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

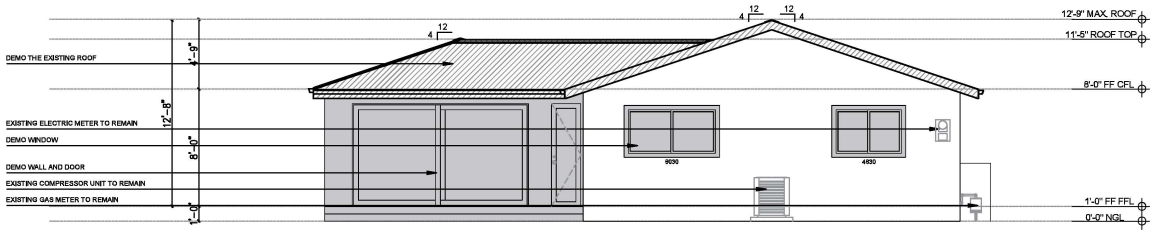
SHEET TITLE:
FLOOR AREA CALCULATIONS

SHEET NO:
A-9

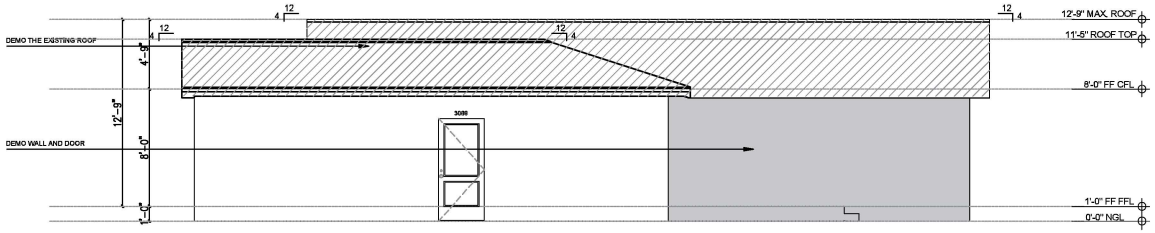
FLOOR AREA CALCULATIONS



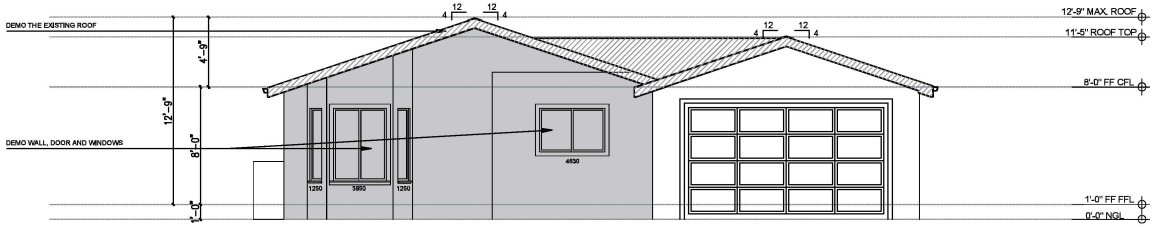
ELEVATION 04(LEFT)



ELEVATION 03(REAR)



ELEVATION 02(RIGHT)



ELEVATION 01(FRONT)

LEGEND

DEMO ROOF

DEMO AREA

EXISTING ELEVATIONS

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

RAVI RAMAANUJAN

REV. DATE1:XX/XX/2022

REV. DATE2:XX/XX/2022

DELTA LOG

PLOT DATE	: 04/01/2025
SCALE	: 1/4" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:

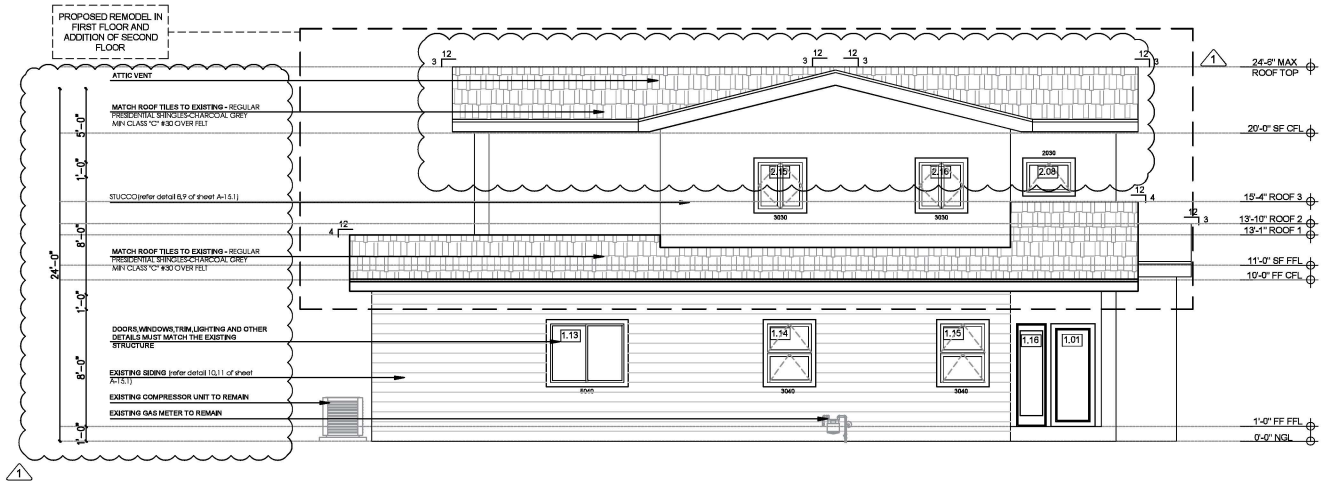
XXXXXXXXX

SHEET TITLE:

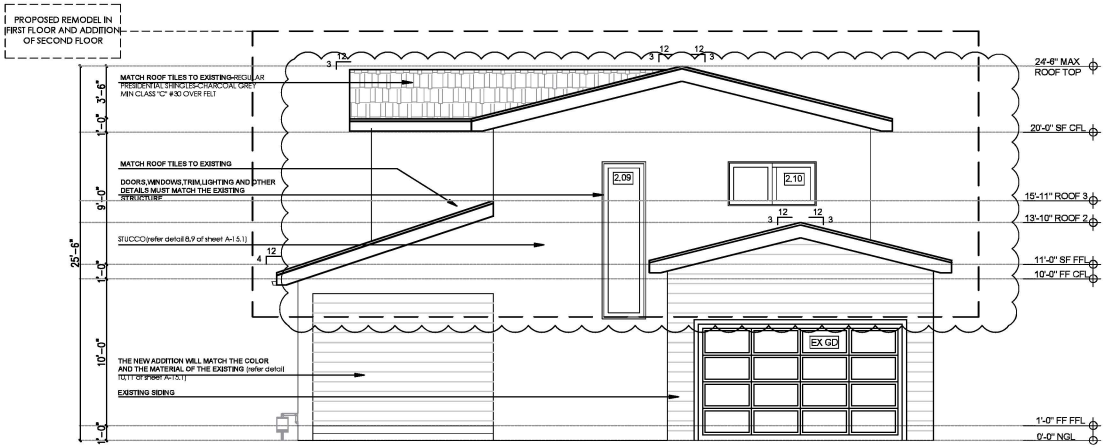
EXISTING ELEVATIONS

SHEET NO:

A-10



ELEVATION 2



ELEVATION 1

NOTE:

1. ROOF MATERIAL MUST MATCH EXISTING ROOF MATERIAL ON MAIN HOUSE.
2. WINDOWS,TRIM,LIGHTING, AND OTHER ACCENT DETAILS MUST MATCH EXISTING STRUCTURE. IF EXISTING LIGHTING CANNOT BE MATCHED, PLEASE SUBMIT FOR APPROVAL OF PROPOSED NEW LIGHTING TO BE INSTALLED TO ENSURE CONSISTENCY

VENTILATION CALCULATION:

1. ROOF VENTILATION CALCULATION:
(885.3+323.8) 1208.8 SQFT/300 = 4.03 SQ FT.
4.03 X144 = 580.32 SQ IN.

EYEBROW ROOF VENTILATION: 72 SQ IN NET FREE AREA,
580.32/72 = 8.06 EYE BROW VENTILATION REQUIRED.

LEGEND

PROPOSED ROOF ADDITION

PROPOSED ELEVATIONS OF EXPANSION AND REMODEL - 1

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

RAVI RAMAANUJAN

REV. DATE1:XX/XX/2023
REV. DATE2:XX/XX/2023
DELTA LOG

1 Revision in roof according to set back constraints.

PLOT DATE	: 04/01/2025
SCALE	: 1/4" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:

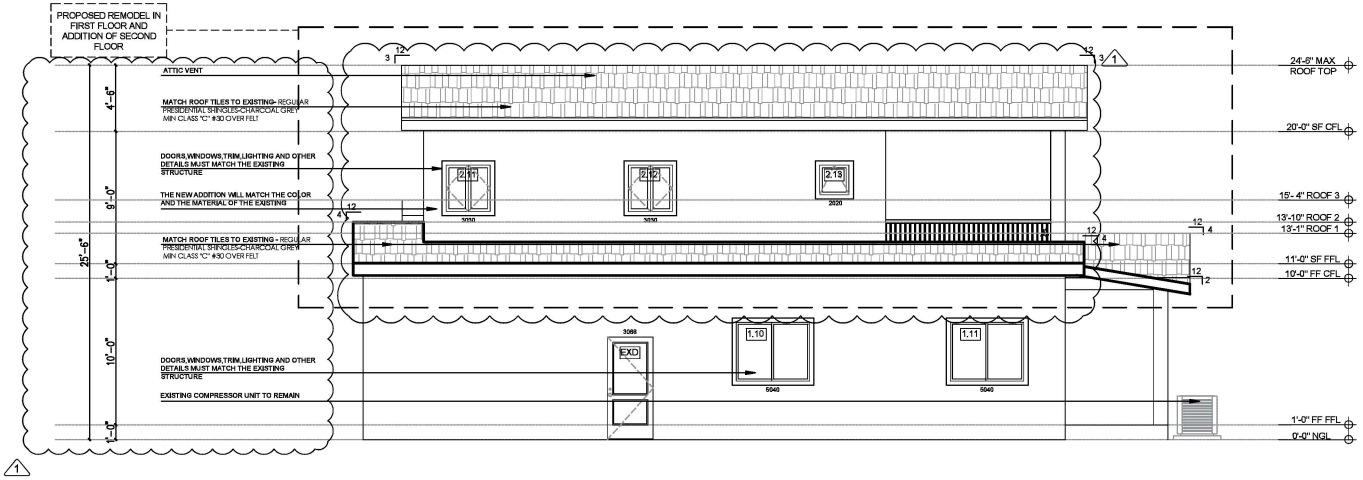
XXXXXXXXX

SHEET TITLE:

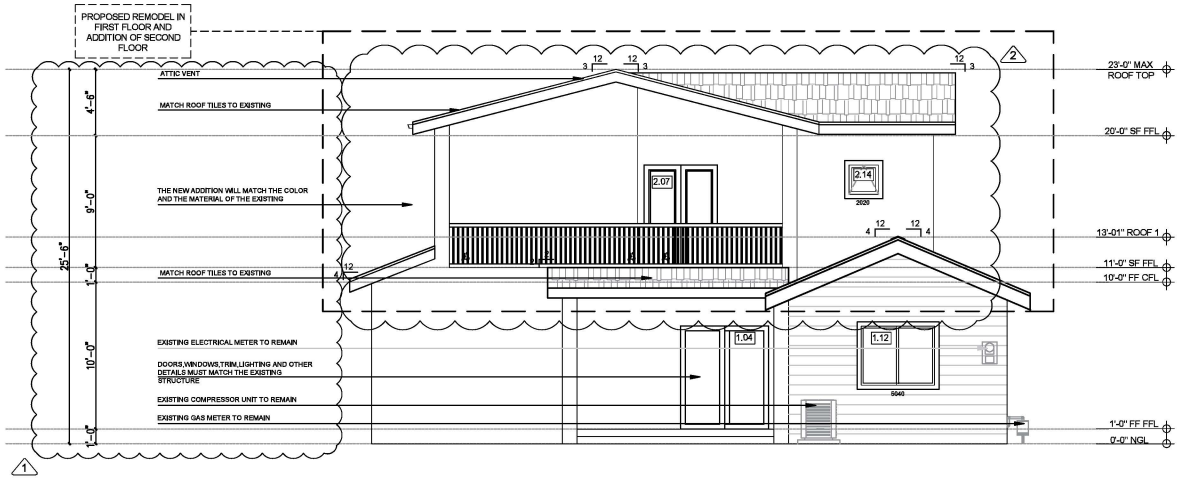
PROPOSED ELEVATIONS OF EXPANSION AND REMODEL - 1

SHEET NO:

A-11



ELEVATION 4



ELEVATION 3

NOTE:

1. ROOF MATERIAL MUST MATCH EXISTING ROOF MATERIAL ON MAIN HOUSE.
2. WINDOWS,TRIM,LIGHTING, AND OTHER ACCENT DETAILS MUST MATCH EXISTING STRUCTURE. IF EXISTING LIGHTING CANNOT BE MATCHED, PLEASE SUBMIT FOR APPROVAL OF PROPOSED NEW LIGHTING TO BE INSTALLED TO ENSURE CONSISTENCY

VENTILATION CALCULATION:

1. ROOF VENTILATION CALCULATION:
   (999.2+323.8) 1295.8 SQFT/300 = 4.03 SQ FT.
   4.03 X144 = 580.32 SQ IN.

EYEBROW ROOF VENTILATION: 72 SQ IN NET FREE AREA.
580.32/72 = 8.06 EYE BROW VENTILATION REQUIRED.

LEGEND

PROPOSED ROOF ADDITION

PROPOSED ELEVATIONS OF EXPANSION AND REMODEL - 2

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

RAVI RAMAANUJAN

REV. DATE1:XX/XX/2023
REV. DATE2:XX/XX/2023

DELTA LOG

1 Revision in roof according to set back constraints.

PLOT DATE	: 04/01/2025
SCALE	: 1/4" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:

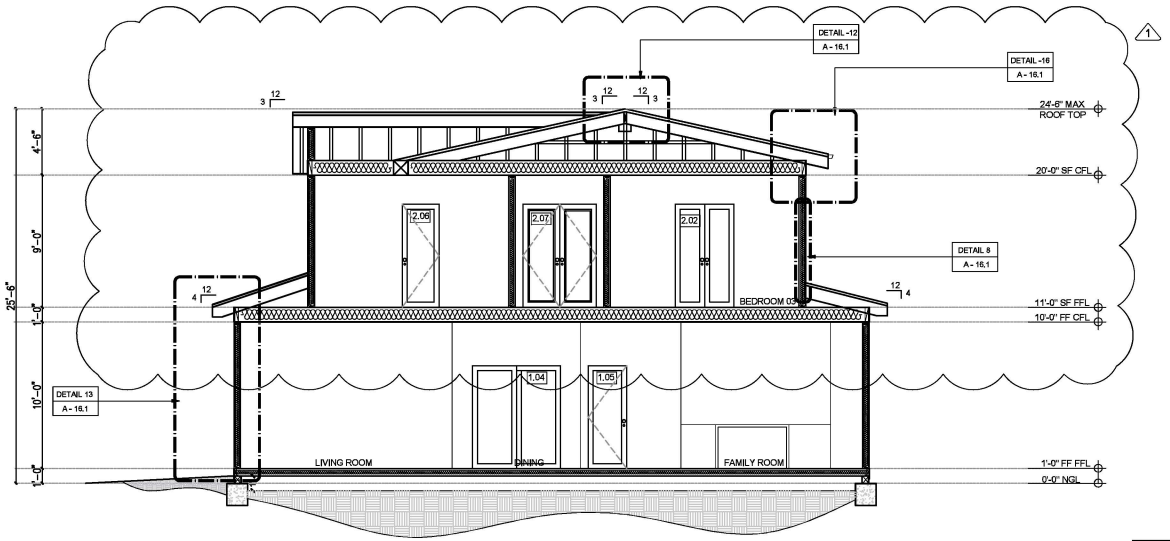
XXXXXXXXX

SHEET TITLE:

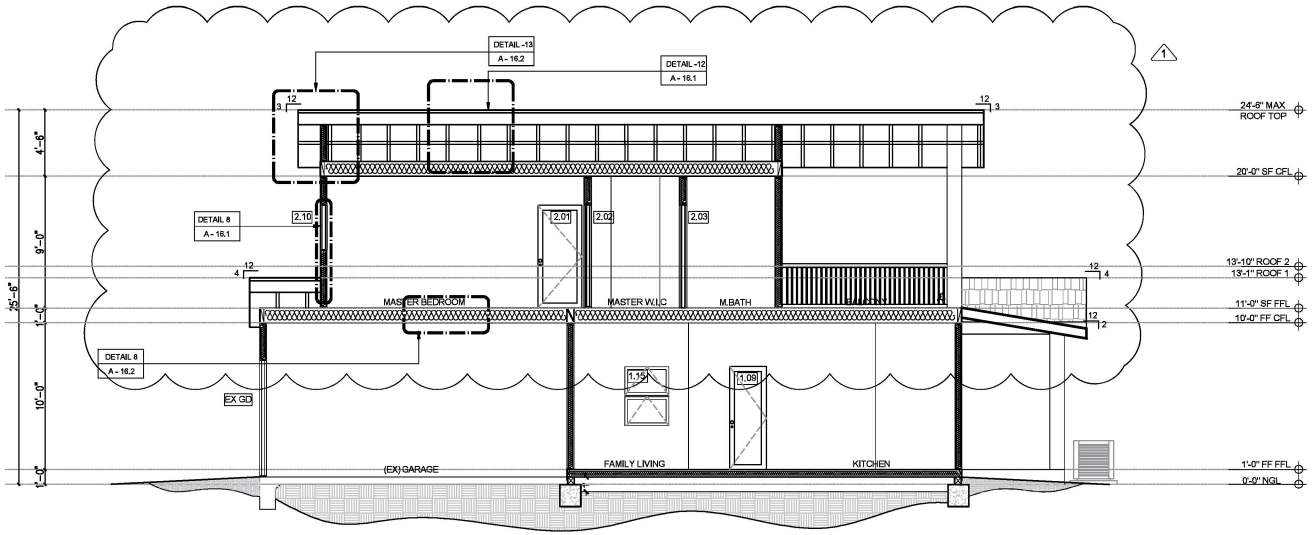
PROPOSED ELEVATIONS OF EXPANSION AND REMODEL - 2

SHEET NO:

A-12



SECTION BB'



SECTION AA'

PROPOSED BUILDING SECTION

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

RAVI RAMAANUJAN

REV. DATE1:XX/XX/2022	
REV. DATE2:XX/XX/2022	
DELTA LOG	
1	Revision in roof according to set back constraints.

PLOT DATE	: 04/01/2025
SCALE	: 1/4" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:

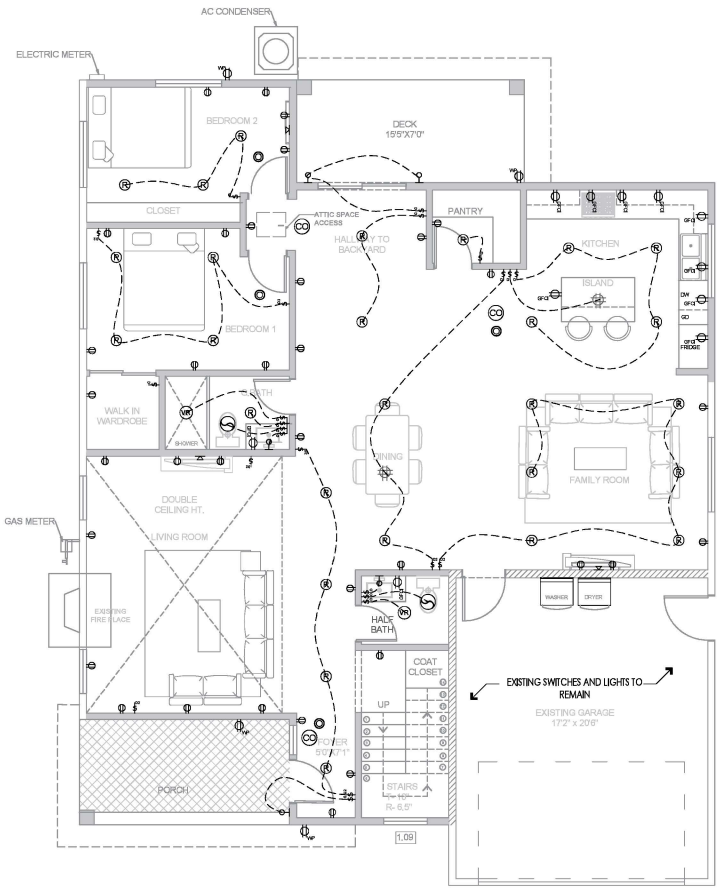
XXXXXXXXX

SHEET TITLE:

PROPOSED BUILDING SECTION

SHEET NO:

A-13



LEGENDS

R	6" LED RECESSED LIGHT FIXTURE (TYPE IC RATED).
VR	6" LED VAPOUR RECESSED LIGHT FIXTURE (TYPE IC RATED).
SD	SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR
S	CEILING MOUNTED EXHAUST FAN WITH HUMIDITY CONTROL (IAQ=50 CFM)
$\$_{D}$	DIMMER SWITCH @48" U.F.F. FOR HIGH EFFICACY LIGHT FIXTURES
$\$_{D2}$	DIMMER SWITCH - TWO WAY @48" U.F.F. FOR HIGH EFFICACY LIGHT FIXTURES
$\$_{O}$	OCCUPANCY SENSOR SWITCH
$\$_{H}$	HUMIDITY SENSOR SWITCH
	WALL LIGHT FIXTURE
	PENDANT LIGHT
	G.F.I. WEATHER PROOF OUTLET @48"A.F.F.
	G.F.C.I. OUTLET @48 A.F.F.
	OUTLET @ 12" A.F.F. PROVIDE AFCI (TAMPER RESISTANCE)
	CABLE OUTLET

RESIDENTIAL ENERGY LIGHTING REQUIREMENT NOTES:

a. All recessed downlight luminaires must contain a light source or lamp that is JAd-certified, such as an Integral LED source or LED lamp. Screw-based lamps such as LED A amps or LED PAR lamps are not allowed. Pin-based lamps such as LED MR-16 lamps are allowed in recessed luminaires as long as they are JAB-certified In addition to the light source and lamp requirements listed, recessed downlight luminaires in ceilings must also meet all the following performance requirements:
1. Have a label that certifies the luminaire is airtight with air leakage less than 2.0 cubic feet per minute (cfm) at 75 Pascals when tested in accordance with ASTM E283 (exhaust fan housings with integral light are not required to be certified airtight); and
2. Be sealed witt
à 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
3. Meet the clearance and installation requirements of California Electrical Code Section 410.116 for recessed luminaires which requires the following.
• A recessed luminaire that is not identified for contact with insulation, non-Type IC, shall have all recessed parts spaced not less than 1/2 inch from combustible materials. The points of support and the trim finishing off the openings in the ceiling shall be permitted to be in contact with combustible materials.
• A recessed luminaire that is identified for contact with insulation, Type IC. shall be permitted to be in contact with combustibla matenals at recessed parts. Points of support, and portions passing through or finishing off the opening in the building on shall not be installed
above, a recessed luminaire or within 3 inches of the recessed luminaire's enclosure wiring dapartment, ballast, transformer, LED driver, or power supply unless the luminaire is identified as Type IC for insulation contact.
b. All forward phase cut dimmers used with LED light sources shall comply with NEMA SSL 7A.
c. Luminaires shall be switched with readily accessible controls that permit the luminaires to be manually switched ON and OFF.
d. In bathroom garages, laundary rooms, and utility rooms, at least one luminaire in each of these spaces shall be controlled by an occupant or vacancy sensor.
e. Dimmers or vacancy sensors shall control all luinares(exceptions: Luminaires in closets less than 70 sq. ft. and in hallways).

Automatically High Luminous Efficacy Luminaires*	Lamps and Light Sources That Must be JA8-certified	Lamps and Light Sources That Must be JA8-Certified for Elevated Temperatures
• LED light sources installed outdoors • Inseparable solid-state lighting (SSL) luminaires containing colored light sources for decorative lighting purpose • Pin-based linear fluorescent or compact fluorescent light sources using electronic ballasts • High intensity discharge (HID) light sources including pulse-start metal halide and high pressure sodium light sources • Luminaires with induction lamp and hardwired high frequency generator • Ceiling fan light kits subject to federal appliance regulations	• Light sources installed in ceiling recessed downlight luminaires. (Screw bases are not allowed in ceiling recessed downlight luminaires.) • LED luminaires with integral sources • Screw-based LED lamps (A-lamps, PAR lamps, etc.) • Pin-based LED lamps (MR-16, AR-111, etc.) • Any light source or luminaire not listed elsewhere in this table	• Lamps and separable light sources in ceiling recessed downlight luminaires. • Lamps and separable light sources in enclosed luminaires.

MECHANICAL NOTES:

1. Drawing Are A Diagrammatic Representation Of Existing And New Conditions. Existing Conditions Shown On Drawings Were Generated Per Available As-Builts.Exact Conditions May Differ Than Show On Plans. Should Any Condition Shown Be Misrepresented Please Inform The Client And Designer Of Record In Writing.Contractor To Field Verify All Existing Conditions Prior To The Commencement Of All Work And Inform Client In Writing If Any Conditions Differ.
2. Contractor Shall Field Verify And Determine If Sufficient Clearance For New Duct Work And Hvac Unit Is Possible. Contractor Shall Coordinate The Final
Location Of Thermostat With Architect And Owner Or Utilize Remote Control System.
3. Acceptance Testing And/Or Hers Verification/Diagnostic Testing Is Required. Properly Completed Hers Verification Forms And Acceptance Test Forms Shall Be Provided To The Inspector In The Field. Certificates Of Acceptance Are Required Prior To Final Construction.
4. All Supply Ductwork In Hallway To Be Routed In Soffit Space.
5. Environmental Exhaust Duct Terminations Map Be No Closer Than 3' From A
Property Line Or To An Opening Back Into The Building.
6. All Outside Air Intakes Must Be 10'-0" From Exhaust Discharges.
7. All Branch Ductwork Shall Have Manual Volume Dampers For Air Balancing.
8. Laundry Closets Shall Be Provided With Minimum 100 Square Inches Free Opening For Make-Up Air.
9. Install Mechanical Equipment Per Manufacturer's Requirements.
10. Mount Thermostats At +48" Aff
11.Show the location of the bathrooms exhaust duct termination. Exhaust m ducts shall terminate 3'-0" from property line and 3'-0" from openings into the building. CMC 502
12.Kitchen hood to be minimum 160 cfm
13.Bathroom exhaust fan to be minimum 50 cfm

ELECTRICAL NOTES:
27.smoke and carbon monoxide alarms shall be interconnected in such a manner that the activation of one alarm will active all the alarms in the individual unit. [CRC R314.4 & R315.5]
28. smoke alarms and carbon monoxide alarms shall receive their primary power from the building wiring and shall be equipped with a battery backup. [CRC R314.6 & R315.6]
29.Bathroom exhaust duct shall terminate outside the building and shall be equipped with backdraft damper. [CMC 504.1

LIGHTING & ELECTRICAL NOTES:

1. **Wall receptacles. electrical receptacles shall be provided so that no point along the floor line in any wall space, 2'-0" or more in width, is more than 6'-0" from outlet. fixed glazed panels in exterior wall are considered wall space, CEC article 210-52(a).**
2. **Bathroom receptacles. at least one wall receptacles shall be installed in each bathroom within 36"of the outside edge of the lavatory. CEC article 210-52(a).**
3. **Outdoors receptacles, for a single-family dwelling and each dwelling unit of a duplex, at least one electrical receptacle accessible at grade level and not more than 6'-6" above grade level shall be installed at front and back of building CEC article 210-52(a).**
4. **Height above finished floor or working surface the center of 15, 20, and 30-ampere receptacles shall be installed not less than 12"above the floor or working surface . CEC article 210-52(e), title 24 amendment.**
5. **Ground -fault circuit- interrupters (GFC1). GFC1 protected receptacles shall be installed in bathroom, garages, non-habitable accessory building with electrical power, unfinished basement, outdoor with direct access to grade, roof tops, at kitchen countertops and within 6'-0" of a wet bar sink. CEC article 210-8.**
6. **Weather protection, electrical receptacles installed outdoor where exposed to weather or in other wet locations shall be in a weatherproof enclosure, CEC article 410-57.**
7. **Lighting. at least one wall switch-controlled light outlet is required in each habitable room, bathroom, hallway, stairway, guest room, attached garage and detached garage with electrical power, and at outdoor entrance. in habitable rooms other than kitchen and bathrooms one or more receptacles controlled by a wall switch are permitted. CEC article 210-70(a).**
8. **Hallway receptacles. an electrical outlet shall be provided in each hallway of 10'-0" or more in length. hallway length is as measured along the centerline without passing through a doorway. CEC article 210-52(h).**
9. **All branch circuits that supply 125- volt, single phase 15&20 ampere receptacle outlets installed in dwelling units, except where required to be GFCI protected, shall be protected by an arc-fault circuit interrupter (A.F.C.I.) listed to protect the entire branch circuit per CEC.**
10. **All phone lines to be(2) category 5 twisted pair lines & cable lines are to be home run to box in residence. coordinate system with owner.**
11. **Light fixture over tub shall be protected by a GFCI & meet the following requirements: recessed fixtures with a glass or plastic lens & nonmetallic or electrically isolated trim, & shall be suitable for use in damp location.**
12. **All light fixtures need to be high luminous efficacy and atleast one light fixture controlled by a vacancy sensor that is manual-on & automatic-off per title 24 lighting requirements.**
13. **All bedrooms, dining room & similar room lighting shall be controlled by dimmer switches and high luminous efficacy per title 24.**
14. **.All outdoor lighting attached to the building shall have motion-sensor + photo-control and have high luminous efficacy lighting only...**
15. **All 12-volts 15 & 20 ampere receptacle outlets shall be listed tamperCEC 406.2**
16. **Bathroom exhaust fans shall be separately switched from any lighting per title 24 section 150.0 2B.Min 50Fcm**
17. **Lightings in garage Laundry rooms & utility rooms shall be high luminous effeciency and controlled by vacancy sensors per title 24 section 150.0(k)6 indicate that at least one installed luminary at the new walk-in closet shall be controlled by a vacancy sensor or manual-on occupancy sensor. [CESC pection 150.0(k)2E**
18. **indicate that at least one installed luminaire at the new walk-in closet shall be controlled by a vacancy sensor or manual-on occupancy sensor. [CESC Section 150.0(k)2E] (Note e. for closets less than 70 s.f. on the sheet is from 2019 code, please amend.)**
19. **if recessing an existing or new electrical service panel (main or sub-panel) into the $\frac{5}{8}$" type 'x' gyp. board, provide full blocking around panel and install fire-rated gyp. board behind it. use materials for an approved method of fire-stopping cable penetrations of fire-rated wall, floor and/or ceiling.**
20. **At least one 20 amp branch circuit shall be provided to supply bathroom receptacle outlets, Shall circuits shall have no other outlets.(CEC 210.11(C)(3)).**

ELECTRICAL NOTES:

21. Every sleeping room shall have atleast one operable emergency escape and rescue opening. Emergency escape and rescue opening shall open directly into a public way, or to a yard or court that opens a public way. (R310.2).
22. The opening size shall comply with the following:
23. Minimum net clear operable dimension of 24 inches in height(R310.2.1)
24. Minimum net clear operable dimension of 20 inches in width (R310.2.1)
25. Minimum net clear operable dimension of 5.7 square feet in area. grade floor or below grade opening shall have a minimum net clear opening of 5 sq ft. (R310.2.1)
26. The bottom of the clear opening shall not be greater than 44 inches measure from the floor (R310.2.2)

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:
2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:
RAVI RAMAANUJAN

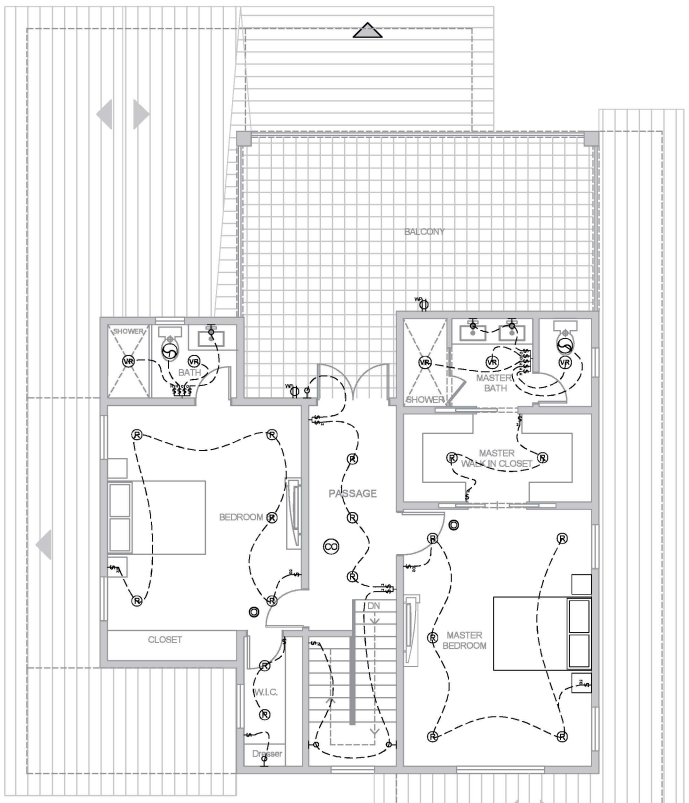
REV. DATE1:XX/XX/2023	
REV. DATE2:XX/XX/2023	
PLOT DATE	: 04/01/2025
SCALE	: $\frac{1}{4}$" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:
2022/xxx

SHEET TITLE:
ELECTRICAL-POWER AND REFLECTED CEILING PLAN **(FIRST FLOOR)**

SHEET NO:
A-E-RCP-14

ELECTRICAL - POWER AND REFLECTED CEILING PLAN **(FIRST FLOOR)**



2

RESIDENTIAL ENERGY LIGHTING REQUIREMENT NOTES:

a. All recessed downlight luminaires must contain a light source or lamp that is JAd-certified, such as an Integral LED source or LED lamp. Screw-based lamps such as LED A amps or LED PAR lamps are not allowed. Pin-based lamps such as LED MR-16 lamps are allowed in recessed luminaires as long as they are JAB-certified In addition to the light source and lamp requirements listed, recessed downlight luminaires in ceilings must also meet all the following performance requirements:
1. Have a label that certifies the luminaire is airtight with air leakage less than 2.0 cubic feet per minute (cfm) at 75 Pascals when tested in accordance with ASTM E283 (exhaust fan housings with integral light are not required to be certified airtight); and
2. Be sealed witt
à 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
3. Meet the clearance and installation requirements of California Electrical Code Section 410,116 for recessed luminaires which requires the following.
• A recessed luminaire that is not identified for contact with insulation, non-Type IC, shall have all recessed parts spaced not less than 1/2 inch from combustible materials. The points of support and the trim finishing off the openings in the ceiling shall be permitted to be in contact with combustible materials.
• A recessed luminaire that is identified for contact with insulation, Type IC. shall be permitted to be in contact with combustibla matenals at recessed parts. Points of support, and portions passing through or finishing off the opening in the building on shall not be installed
above, a recessed luminaire or within 3 inches of the recessed luminaire's enclosure wiring dapartment, ballast, transformer, LED driver, or power supply unless the luminaire is identified as Type IC for insulation contact.

b. All forward phase cut dimmers used with LED light sources shall comply with NEMA SSL 7A.

c. Luminaires shall be switched with readily accessible controls that permit the luminaires to be manually switched ON and OFF.

d. In bathroom garages, laundary rooms, and utility rooms, at least one luminaire in each of these spaces shall be controlled by an occupant or vacancy sensor.

e. Dimmers or vacancy sensors shall control all luinares(exceptions: Luminaires in closets less than 70 sq. ft. and in hallways).

MECHANICAL NOTES:

1. Drawing Are A Diagrammatic Representation Of Existing And New Conditions. Existing Conditions Shown On Drawings Were Generated Per Available As-Builts.Exact Conditions May Differ Than Show On Plans. Should Any Condition Shown Be Misrepresented Please Inform The Client And Designer Of Record In Writing.Contractor To Field Verify All Existing Conditions Prior To The Commencement Of All Work And Inform Client In Writing If Any Conditions Differ.
2. Contractor Shall Field Verify And Determine If Sufficient Clearance For New Duct Work And Hvac Unit Is Possible. Contractor Shall Coordinate The Final
Location Of Thermostat With Architect And Owner Or Utilize Remote Control System.
3. Acceptance Testing And/Or Hers Verification/Diagnostic Testing Is Required. Properly Completed Hers Verification Forms And Acceptance Test Forms Shall Be Provided To The Inspector In The Field. Certificates Of Acceptance Are Required Prior To Final Construction.
4. All Supply Ductwork In Hallway To Be Routed In Soffit Space.
5. Environmental Exhaust Duct Terminations Map Be No Closer Than 3' From A
Property Line Or To An Opening Back Into The Building.
6. All Outside Air Intakes Must Be 10'-0" From Exhaust Discharges.
7. All Branch Ductwork Shall Have Manual Volume Dampers For Air Balancing.
8. Laundry Closets Shall Be Provided With Minimum 100 Square Inches Free Opening For Make-Up Air.
9. Install Mechanical Equipment Per Manufacturer's Requirements.
10. Mount Thermostats At +48" Aff
11.Show the location of the bathrooms exhaust duct termination. Exhaust m ducts shall terminate 3'-0" from property line and 3'-0" from openings into the building. CMC 502
12.Kitchen hood to be minimum 160 cfm
13.Bathroom exhaust fan to be minimum 50 cfm

ELECTRICAL NOTES:
27.smoke and carbon monoxide alarms shall be interconnected in such a manner that the activation of one alarm will active all the alarms in the individual unit. [CRC R314.4 & R315.5]
28. smoke alarms and carbon monoxide alarms shall receive their primary power from the building wiring and shall be equipped with a battery backup. [CRC R314.6 & R315.6]
29.Bathroom exhaust duct shall terminate outside the building and shall be equipped with backdraft damper. [CMC 504.1

LIGHTING & ELECTRICAL NOTES:

1. **Wall receptacles. electrical receptacles shall be provided so that no point along the floor line in any wall space, 2'-0" or more in width, is more than 6'-0" from outlet. fixed glazed panels in exterior wall are considered wall space, CEC article 210-52(a).**
2. **Bathroom receptacles. at least one wall receptacles shall be installed in each bathroom within 36"of the outside edge of the lavatory. CEC article 210-52(a).**
3. **Outdoors receptacles, for a single-family dwelling and each dwelling unit of a duplex, at least one electrical receptacle accessible at grade level and not more than 6'-6" above grade level shall be installed at front and back of building CEC article 210-52(a).**
4. **Height above finished floor or working surface the center of 15, 20, and 30-ampere receptacles shall be installed not less than 12"above the floor or working surface . CEC article 210-52(e), title 24 amendment.**
5. **Ground -fault circuit- interrupters (GFC1). GFC1 protected receptacles shall be installed in bathroom, garages, non-habitable accessory building with electrical power, unfinished basement, outdoor with direct access to grade, roof tops, at kitchen countertops and within 6'-0" of a wet bar sink. CEC article 210-8.**
6. **Weather protection, electrical receptacles installed outdoor where exposed to weather or in other wet locations shall be in a weatherproof enclosure, CEC article 410-57.**
7. **Lighting. at least one wall switch-controlled light outlet is required in each habitable room, bathroom, hallway, stairway, guest room, attached garage and detached garage with electrical power, and at outdoor entrance. in habitable rooms other than kitchen and bathrooms one or more receptacles controlled by a wall switch are permitted. CEC article 210-70(a).**
8. **Hallway receptacles. an electrical outlet shall be provided in each hallway of 10'-0" or more in length. hallway length is as measured along the centerline without passing through a doorway. CEC article 210-52(h).**
9. **All branch circuits that supply 125- volt, single phase 15&20 ampere receptacle outlets installed in dwelling units, except where required to be GFCI protected, shall be protected by an arc-fault circuit interrupter (A.F.C.I.) listed to protect the entire branch circuit per CEC.**
10. **All phone lines to be(2) category 5 twisted pair lines & cable lines are to be home run to box in residence. coordinate system with owner.**
11. **Light fixture over tub shall be protected by a GFCI & meet the following requirements: recessed fixtures with a glass or plastic lens & nonmetallic or electrically isolated trim, & shall be suitable for use in damp location.**
12. **All light fixtures need to be high luminous efficacy and atleast one light fixture controlled by a vacancy sensor that is manual-on & automatic-off per title 24 lighting requirements.**
13. **All bedrooms, dining room & similar room lighting shall be controlled by dimmer switches and high luminous efficacy per title 24.**
14. **.All outdoor lighting attached to the building shall have motion-sensor + photo-control and have high luminous efficacy lighting only...**
15. **All 12-volts 15 & 20 ampere receptacle outlets shall be listed tamperCEC 406.2**
16. **Bathroom exhaust fans shall be separately switched from any lighting per title 24 section 150.0 2B.Min 50Fcm**
17. **Lightings in garage Laundry rooms & utility rooms shall be high luminous effeciency and controlled by vacancy sensors per title 24 section 150.0(k)6 indicate that at least one installed luminary at the new walk-in closet shall be controlled by a vacancy sensor or manual-on occupancy sensor. [CESC pection 150.0(k)2E**
18. **indicate that at least one installed luminaire at the new walk-in closet shall be controlled by a vacancy sensor or manual-on occupancy sensor. [CESC Section 150.0(k)2E] (Note e. for closets less than 70 s.f. on the sheet is from 2019 code, please amend.)**
19. **if recessing an existing or new electrical service panel (main or sub-panel) into the $\frac{3}{4}$" type 'x' gyp. board, provide full blocking around panel and install fire-rated gyp. board behind it. use materials for an approved method of fire-stopping cable penetrations of fire-rated wall, floor and/or ceiling.**
20. **At least one 20 amp branch circuit shall be provided to supply bathroom receptacle outlets, Shall circuits shall have no other outlets.(CEC 210.11(C)(3)).**

ELECTRICAL NOTES:

21. Every sleeping room shall have atleast one operable emergency escape and rescue opening. Emergency escape and rescue opening shall open directly into a public way, or to a yard or court that opens a public way. (R310.2).
22. The opening size shall comply with the following:
23. Minimum net clear operable dimension of 24 inches in height(R310.2.1)
24. Minimum net clear operable dimension of 20 inches in width (R310.2.1)
25. Minimum net clear operable dimension of 5.7 square feet in area. grade floor or below grade opening shall have a minimum net clear opening of 5 sq ft. (R310.2.1)
26. The bottom of the clear opening shall not be greater than 44 inches measure from the floor (R310.2.2)

Automatically High Luminous Efficacy Luminaires*	Lamps and Light Sources That Must be JA8-certified	Lamps and Light Sources That Must be JA8-Certified for Elevated Temperatures
• LED light sources installed outdoors • Inseparable solid-state lighting (SSL) luminaires containing colored light sources for decorative lighting purpose • Pin-based linear fluorescent or compact fluorescent light sources using electronic ballasts • High intensity discharge (HID) light sources including pulse-start metal halide and high pressure sodium light sources • Luminaires with induction lamp and hardwired high frequency generator • Ceiling fan light kits subject to federal appliance regulations	• Light sources installed in ceiling recessed downlight luminaires. (Screw bases are not allowed in ceiling recessed downlight luminaires.) • LED luminaires with integral sources • Screw-based LED lamps (A-lamps, PAR lamps, etc.) • Pin-based LED lamps (MR-16, AR-111, etc.) • Any light source or luminaire not listed elsewhere in this table	• Lamps and separable light sources in ceiling recessed downlight luminaires. • Lamps and separable light sources in enclosed luminaires.

LEGENDS

R	6" LED RECESSED LIGHT FIXTURE (TYPE IC RATED).
VR	6" LED VAPOUR RECESSED LIGHT FIXTURE (TYPE IC RATED).
SD	SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR
F	CEILING MOUNTED EXHAUST FAN WITH HUMIDITY CONTROL (IAQ=50 CFM)
S_D	DIMMER SWITCH @48" U.F.F, FOR HIGH EFFICACY LIGHT FIXTURES
S_{D2}	DIMMER SWITCH - TWO WAY @48" U.F.F, FOR HIGH EFFICACY LIGHT FIXTURES
S_O	OCCUPANCY SENSOR SWITCH
S_H	HUMIDITY SENSOR SWITCH
	WALL LIGHT FIXTURE
	PENDANT LIGHT
	G.F.I. WEATHER PROOF OUTLET @48"A.F.F.
	G.F.C.I. OUTLET @48 A.F.F.
	OUTLET @ 12" A.F.F. PROVIDE AFCI (TAMPER RESISTANCE)
	CABLE OUTLET

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:

2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:

RAVI RAMAANUJAN

REV. DATE1:XX/XX/2023	
REV. DATE2:XX/XX/2023	
1	Revision in plan according to set back constraints.
PLOT DATE	: 04/01/2025
SCALE	: $\frac{1}{4}$" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

PROJECT NO:

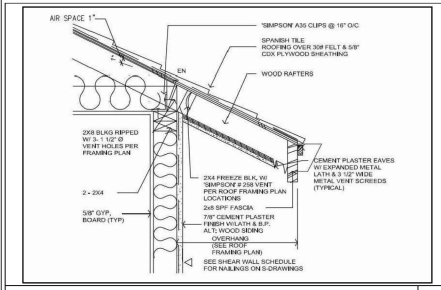
2022/xxx

SHEET TITLE:
ELECTRICAL-POWER AND REFLECTED CEILING PLAN **(SECOND FLOOR)**

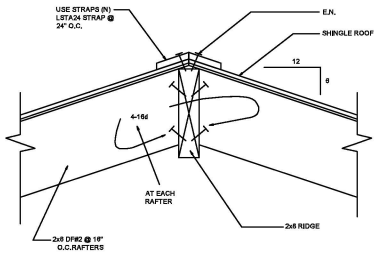
SHEET NO:

A-E-RCP-15

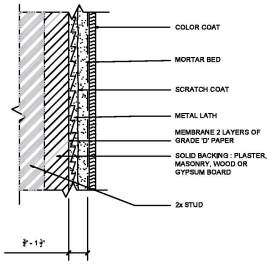
ELECTRICAL - POWER AND REFLECTED CEILING PLAN **(SECOND FLOOR)**



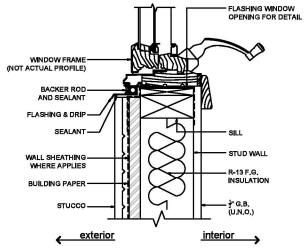
ROOF EAVE TYPICAL DETAIL | 16



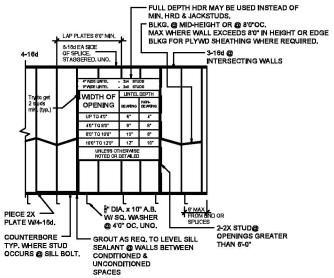
RIDGE DETAIL | 12



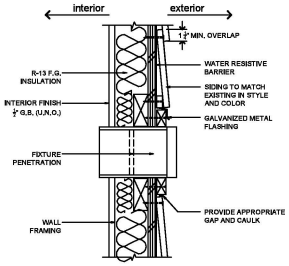
STUCCO AT EXTERIOR WALL DETAIL | 08



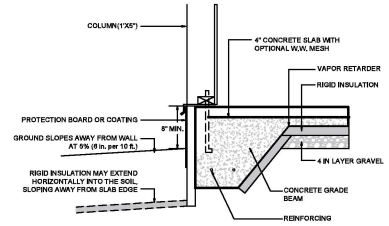
WINDOW SILL STUCCO DETAIL | 04



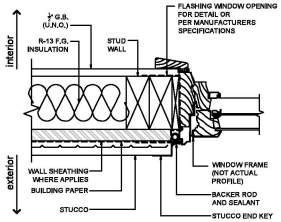
WALL FRAMING DETAIL | 15



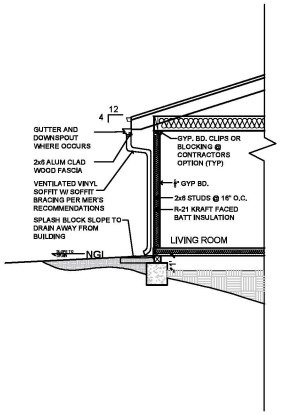
FIXTURE PENETRATION - SIDING DETAIL | 11



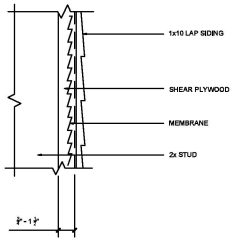
SLAB ON GRADE DETAIL | 07



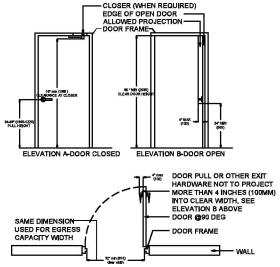
STUCCO WINDOW JAMB DETAIL | 03



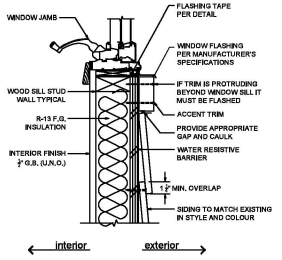
DOWNSPOUT DETAIL | 13



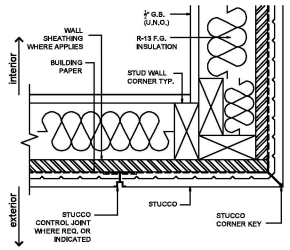
WOOD SIDING AT EXTERIOR WALL DETAIL | 10



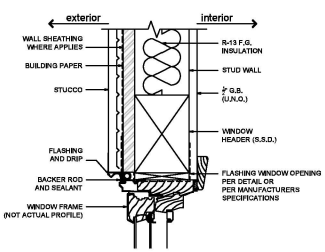
EGRESS DOOR DETAIL | 06



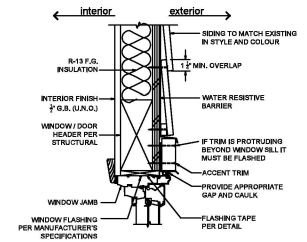
WINDOW SILL SIDING DETAIL | 02



STUCCO CORNER / FIELD DETAIL | 09



STUCCO WINDOW HEADER DETAIL | 05



WINDOW / DOOR HEAD SIDING DETAIL | 01

PROPOSED DETAILS

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:
2121, NOBILI AVENUE, SANTA CLARA, CA.

OWNER:
RAVI RAMAANUJAN

REVISION DATES	
REV. DATE 1	:XX/XX/2024
REV. DATE 2	:XX/XX/2024
REV. DATE 3	:XX/XX/2024
REV. DATE 4	:XX/XX/2024

DELTA LOG

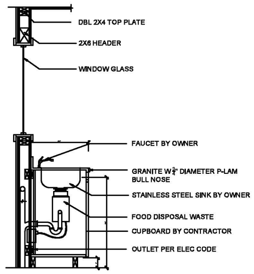
1 XXXXXXXXXXXXXXXX SSSSSSSSSSS SSSSSSSSS SSSSSSSSS SSSSSSS SSSSSSSS S

PLOT DATE	: 02/14/2025
SCALE	: ¼" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

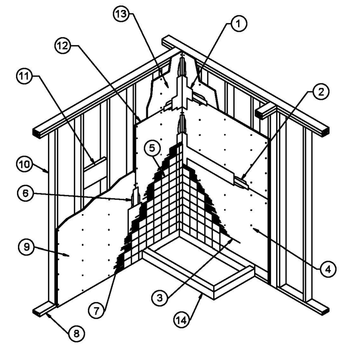
SHEET TITLE :
PROPOSED DETAILS

SHEET NO :
A-16.1

NOT USED XX



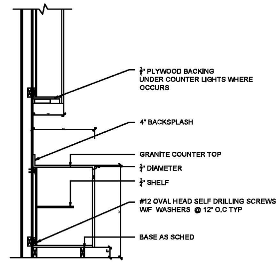
SECTION AT KITCHEN SINK DETAIL 07



1. IN PAINTED AREAS USE A JOINT TREATMENT SYSTEM AND SEALER FOR FINISHING CEMENTITIOUS BOARD TO CEMENTITIOUS BOARD AND CEMENTITIOUS BOARD TO GYPSUM BOARD.
2. IN TILED AREAS TREAT CEMENTITIOUS BOARD TO CEMENTITIOUS BOARD AND CEMENTITIOUS BOARD TO GYPSUM BOARD JOINTS BY EMBEDDING CEMENTITIOUS TAPE IN TILE SETTING.

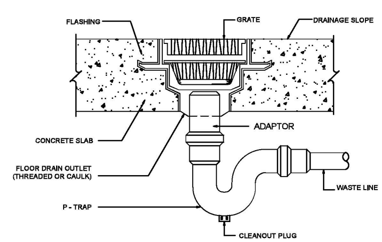
MATERIAL:

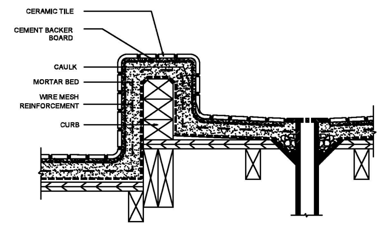
3. ¼" SPACE.
4. APPROVED FASTENERS.
5. CERAMIC TILE.
6. CEMENTITIOUS TAPE.
7. SETTING MATERIAL.
8. WOOD PLATE.
9. ½" GYPSUM BOARD.
10. 2x4 WOOD STUDS AT @ 16" O.C.
11. SUPPORT FRAMING FOR ATTACHMENT OF FIXTURES.
12. ½" INTERIOR CEMENTITIOUS BOARD.
13. ½" GYPSUM PANEL.
14. 4x6 WOOD BLOCK.



SECTION AT KITCHEN CABINET DETAIL 06

WALK IN SHOWER DETAIL 03

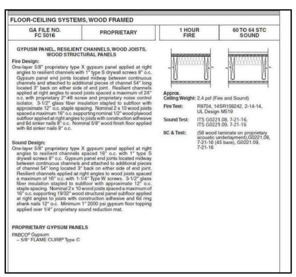




NOT USED XX

FLOOR DRAIN DETAIL 05

SHOWER CURB DETAIL 02



FLOOR-CEILING SYSTEMS, WOOD FRAMED

GA FILE NO. FC 5016	PROPRIETARY	1 HOUR FIRE	60 TO 64 STC SOUND

GYPUSM PANEL, RESILIENT CHANNELS, WOOD JOISTS, WOOD STRUCTURAL PANELS

Fire Design:
One-layer 5/8" proprietary type X gypsum panel applied at right angles to resilient channels with 1" type S drywall screws 8" o.c. Gypsum panel end joints located midway between continuous channels and attached to additional pieces of channel 54" long located 3" back on either side of end joint. Resilient channels applied at right angles to wood joists spaced a maximum of 24" o.c. with proprietary 2"-#8 screw and proprietary noise control isolator. 3-1/2" glass fiber insulation stapled to subfloor with approximate 12" o.c. staple spacing. Nominal 2 x 10 wood joists spaced a maximum 16" o.c. supporting nominal 1/2" wood plywood subfloor applied at right angles to joists with construction adhesive and 8d sinker nails 8" o.c. Nominal 5/8" wood finish floor applied with 8d sinker nails 8" o.c.

Sound Design:
One-layer 5/8" proprietary type X gypsum panel applied at right angles to resilient channels spaced 16" o.c. with 1" type S drywall screws 8" o.c. Gypsum panel end joints located midway between continuous channels and attached to additional pieces of channel 54" long located 3" back on either side of end joint. Resilient channels applied at right angles to wood joists spaced a maximum of 16" o.c. with 1-1/4" Type W screws. 3-1/2" glass fiber insulation stapled to subfloor with approximate 12" o.c. staple spacing. Nominal 2 x 10 wood joists spaced a maximum of 16" o.c. supporting 19/32" wood structural panel subfloor applied at right angles to joists with construction adhesive and 6d ring shank nails 12" o.c. Minimum 1" 2000 psi gypsum floor topping applied over 1/4" proprietary sound reduction mat.

Approx. Ceiling Weight: 2.4 psf (Fire and Sound)

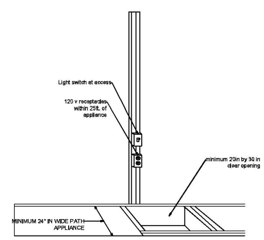
Fire Test: R9704, 14SR108242, 2-14-14, UL Design M519

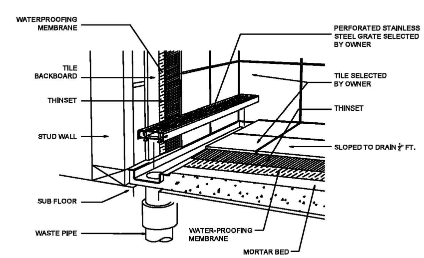
Sound Test: ITS G0221.08, 7-21-16, ITS G0221.09, 7-21-16

IIC & Test: (58 wood laminate on proprietary acoustic underlayment),G0221.08, 7-21-16 (45 bare), G0221.09, 7-21-16

PROPRIETARY GYPSUM PANELS

PABCO® Gypsum
– 5/8" FLAME CURB® Type C





NOT USED

1 HR FLOOR CEILING ASSEMBLY DETAIL 08

ATTIC RECEPTACLES 04

SHOWER DRAIN CHANNEL DETAIL 01

PROPOSED KITCHEN BATHROOM, AND 1-HR FIRE RATED DETAILS

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Principal Designer

LOCATION:
2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:
RAVI RAMAANUJAN

REVISION DATES	
REV. DATE 1	:XX/XX/2024
REV. DATE 2	:XX/XX/2024
REV. DATE 3	:XX/XX/2024
REV. DATE 4	:XX/XX/2024

DELTA LOG

XXXXXXXXXXXXXXXXX SSSSSSSSSSSS SSSSSSSSS SSSSSSSSSS SSSSSSS SSSSSSSS S

PLOT DATE	: 04/01/2025
SCALE	: ¼" = 1'
DRAWN BY	: GAYATHRI
CHECKED BY	: VIDYA RAVI

SHEET TITLE :
PROPOSED KITCHEN BATHROOM, AND 1-HR FIRE RATED DETAILS

SHEET NO :
A-16.2

THE VIEWS ARE ONLY FOR ILLUSTRATION PURPOSE.

SHREE DESIGN TEAM
We deliver quality...it's a promise

Shree Design Team
Architectural Drafting Servcies
San jose, CA
408-385-1885
shreedesignteam@gmail.com
www.shreedesignteam.com

Vidya Ravi
Vidya Ravi
Principal Designer

LOCATION:
2121, NOBILI AVENUE,
SANTA CLARA, CA.

OWNER:
RAVI RAMAANUJAN

REV. DATE1:xx/xx/2023
REV. DATE2:xx/xx/2023

DELTA LOG

PLOT DATE	: 04/01/2025
SCALE	: $\frac{1}{4}$" = 1'
DRAWN BY	: GAYATHRI.G
CHECKED BY	: VIDYA RAVI

PROJECT NO:
XXXXXXXXX

SHEET TITLE:
EXTERIOR 3D VIEWS

SHEET NO:
A-17