

NOTICE OF PENDING ACTION

Accessory Dwelling Unit, Coastal

prior to the deadline. Comments may be submitted to the project planner contacting the project planner (see reverse). A public comment period of submitting a written request at the Planning Department Zoning Counter comments to be considered prior to the local decision. Interested parties appeal fee. Additional information regarding the appeal process or fees Any interested party may submit comments on the proposed project may request to be notified when a decision is made. The applicant, at least 15 working days from application date is provided to allow owner or any aggrieved person may appeal the project decision by within 14 calendar days following the decision date and paying an by email, telephone or mail. The project plans may be viewed by may be obtained by phoning (831) 454-2130.

«APN»

«OWNER» «STREET»

«CITY», «ZIP»

COUNTY OF SANTA CRUZ PLANNING DEPARTMENT 701 Ocean Street, 4th Floor Santa Cruz, CA 95060 (831) 454-2580

NOTICE OF PENDING ACTION: COASTAL DEVELOPMENT PERMIT FOR AN ACCESSORY DWELLING UNIT

The Planning Department has received the following application for development within the Coastal Zone. The identified planner may be contacted for specific information on this application.

APPLICATON #: B-237568 APN: 027-231-36

APPLICATION INTAKE DATE: 11/21/2023

PROJECT ADDRESS: 1235 Scholl Lane, Santa Cruz, 95062

Proposal to convert an existing 484 square foot Accessory Dwelling Unit. Requires a Coastal Development Permit with public notice. Property located at 1235 Scholl Lane.

OWNER: Trung Huu Bui and Than Anh Ky

APPLICANT: Trung Huu Bui SUPERVISORIAL DISTRICT: 3

PLANNER: Jerry Busch

EMAIL: Jerry.Busch@santacruzcountyca.gov

PHONE: (831) 454-3234

MAILING ADDRESS: 701 Ocean Street, Room 400, Santa Cruz,

CA 95060

Public comments must be received by 5:00 p.m., December 20, 2023. A decision will be made on or shortly after December 21, 2023. Appeals of the decision will be accepted until 5:00 p.m. two weeks after the decision date. Planner will provide notification of decision to any requesting party. Information regarding the appeal process, including required fees, may be obtained by phoning (831) 454-2130. For more information on the proposed project, please contact planner.

BUI RESIDENCE - ACCESSORY DWELLING UNIT

1235 SCHOLL LN, SANTA CRUZ, CALIFORNIA, 95062

BUILDING PERMIT

HA NGUYEN + DESIGNS

501 Broadway #1081 Millbrae California 94030 415.754.3066

GENERAL NOTES

- GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL WORK PROVIDED BY ANY AND ALL SUBCONTRACTOR'S. GENERAL NOTES THAT REFER TO "CONTRACTOR" INCLUDE ALL WORK PROVIDED BY SUBCONTRACTORS. CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL GRADES, DIMENSIONS, AND CONDITIONS IN FIELD PRIOR TO THE START OF PROJECT AND AT APPROPRIATE TIMES DURING THE COURSE OF CONSTRUCTION BEFORE RELATED PROJECT
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY WHEN ANY CONDITION IS DISCOVERED THAT WOULD PREVENT PROPER EXECUTION OF THE CONTRACT DOCUMENTS INCLUDING ANY CONFLICTS BETWEEN THE SITE CONDITIONS AND THE CONTRACT DOCUMENTS, AND ANY CONFLICTS OR AMBIGUITIES WITHIN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE TIMELY COORDINATION AND SEQUENCING OF VARIOUS ARCHITECTS, ENGINEERS, LOCAL AUTHORITIES, MANUFACTURERS, SUPPLIERS, AND INSTALLERS REQUIREMENTS AND FOR THE TIMELY REVIEW OF REQUIRED EQUIPMENT AND MATERIALS FOR INSTALLATION PRIOR TO BEGINNING CONSTRUCTION OR SEQUENCING SUBSEQUENT CONSTRUCTION.
- EACH SUBCONTRACTOR IS CONSIDERED A SPECIALIST IN HIS/HER RESPECTIVE FIELD AND SHALL, PRIOR TO THE SUBMISSION OF HIS/HER BID AND THE PERFORMANCE OF WORK, NOTIFY THE CONTRACTOR OF ANY WORK CALLED OUT IN THE CONSTRUCTION DOCUMENTS WHICH CANNOT BE EXECUTED AS INDICATED OR CANNOT BE FULLY GUARANTEED. THE CONTRACTOR WILL THEN NOTIFY THE OWNER AND ARCHITECT PRIOR TO ACCEPTANCE OF CONTRACTOR'S BID.
- THE CONTRACTOR SHALL, AS A PART OF THE CONTRACT, SECURE AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS REQUIRED FOR THE CONSTRUCTION WORK.
- UNLESS SPECIFICALLY NOTED OTHERWISE IN THE DRAWINGS. ALL WORK AND MATERIALS CALLED FOR ARE TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR AS A PART OF THE CONTRACT FOR CONSTRUCTION.
- ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL AND WORKMAN-LIKE MANNER IN KEEPING WITH THE HIGHEST STANDARDS OF THE CONSTRUCTION INDUSTRYBY WORKMEN EXPERIENCED AND LICENSED IN THEIR RESPECTIVE TRADES. ALL SUBCONTRACTORS SHALL COORDINATE THEIR WORK AND SCHEDULING WITH THE WORK OF OTHER SUBCONTRACTORS AND/OR THE GENERAL CONTRACTOR, AND SHALL BE RESPONSIBLE FOR HIS/HER OWN MATERIALS, TOOLS AND LABOR, REMOVE HIS TOOLS AND SURPLUS MATERIALS, AS WELL AS ANY DEBRIS RESULTING FROM THIS WORK FROM THE SITE.
- ALL CONSTRUCTION SHALL BE IN STRICT COMPLIANCE WITH ALL PROVISIONS OF APPLICABLE CODES (UBC, UPC, UMC, NEC, ETC.). CODE COMPLIANCE SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. IN THE CASE OF CONFLICT WITH THE DRAWINGS AND APPLICABLE CODES, OR OF CONFLICT WITHIN THE DRAWINGS, THE MOST STRINGENT REQM'TS
- SPECIFICATIONS ARE HANDLED SEPARATELY IN THE FORM OF A MANUAL AND COVER ALL PERTINENT SECTIONS RELATED TO THE SCOPE OF THE WORK HEREIN. IN THE EVEN OF A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE SPECS SHALL PREVAIL.
- CONTRACTOR IS TO INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. IN THE EVENT THAT MANUFACTURERS SPECIFICATIONS CONFLICT WITH THE DRAWINGS THEN MANUFACTURERS SPECIFICATIONS WILL PREVAIL.
- 1. EXISTING SITE CONDITIONS MUST BE VERIFIED BY CONTRACTOR. THE CONTRACTOR MUST BRING DISCOVERED INACCURACIES TO THE OWNER'S AND ARCHITECT'S ATTENTION PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 12. THE CONTRACTOR SHALL PROVIDE ANY AND ALL TEMPORARY BRACING AND SHORING REQUIRED TO SUPPORT ALL LOADS TO WHICH THE EXISTING BUILDING AND BUILDING COMPONENTS AS WELL AS NEW CONSTRUCTION, SOILS, UTILITIES, ETC. MAY BE SUBJECT TO DURING CONSTRUCTION.
- 13. CONTRACTOR IS TO PROVIDE SAMPLES OF REQUESTED SUBMITTALS AND OF ALL PROPOSED. MATERIAL SUBSTITUTIONS TO THE ARCHITECT FOR REVIEW. THE ARCHITECT WILL REQUIRE FIVE WORKING DAYS FOR REVIEW OF ALL SUBMITTALS INCLUDING SHOP DRAWINGS. SHOP DRAWINGS AND MATERIALS TO THE ARCHITECT WILL HAVE BEEN REVIEWED AND APPROVED BY THE CONTRACTOR. BY SUBMITTING SHOP DRAWINGS AND SUBMITTALS TO THE ARCHITECT, THE CONTRACTOR REPRESENTS THAT THE CONTRACTOR HAS DETERMINED AND VERIFIED MATERIAL. FIELD MEASUREMENTS, AND FIELD CONSTRUCTION RELATED THERETO, AND HAS CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH THE REQUIREMENTS OF THE WORK AND OF THE CONTRACT DOCUMENTS. THE ARCHITECT'S REVIEW OF SUBMITTALS AND SHOP DRAWINGS IS FOR CONFIRMATION OF DESIGN INTENT ONLY.
- 14. PROVIDE ALL SUBMITTALS REQUESTED FOR ARCHITECT'S REVIEW INCLUDING MATERIAL SAMPLES, IN FIELD PAINT-OUTS AND CABINET AND OTHER REQUESTED SHOP DRAWINGS.
- 15. CONTRACTOR SHALL NOT DUMP ANY PLASTER, PAINT, OR SOLID WASTES ON THE SITE OR THROUGH THE SITE WASTE DISPOSAL SYSTEM. CONTRACTOR WILL PROVIDE ALL DEMOLITION AND PROGRESSIVE CLEAN-UPS.
- 16. THE CONTRACTOR SHALL CONDUCT THE FINAL CLEANING OF ALL AREAS AFFECTED BY THIS WORK. HE SHALL VISUALLY INSPECT ALL EXTERIOR AND INTERIOR SURFACES AND REMOVE ALL DIRT, WASTE, STAINS, PAINT DROPPINGS, CLEAN AND POLISH ALL GLASS EITHER INSTALLED OR AFFECTED BY THIS WORK.
- 17. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEEDENCE OVER SCALE DRAWINGS. LARGE SCALE DRAWINGS TAKE PRECEEDENCE OVER SMALLER SCALE DWGS, TYP.
- 18. GREAT CARE HAS BEEN TAKEN TO ENSURE KEY ELEMENTS ALIGN AND ARE PLACED ON CENTER (AS NOTED). CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT SHOULD ANY DISCREPANCIES OCCUR TO MAINTAIN DESIGN INTENTIONS.
- 19. ALL DIMENSIONS ARE TO FACE OF FINISH, U.O.N.
- 20. WINDOW AND DOOR LOCATIONS ARE TYPICALLY GIVEN TO THE CENTERLINE. CO-ORDINATE WITH WINDOW AND DOOR MANUFACTURER FOR R.O. DIMENSIONS.
- 21. ALL QUESTIONS, DISCREPANCIES, AND CLARIFICATIONS BROUGHT TO THE ARCHITECT'S AND OWNER'S ATTENTION WILL BE SENT BY THE CONTRACTOR OR CONTRACTOR'S SUPERINTENDENT.
- 22. THESE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE PREPARED BY THE ARCHITECT EXCLUSIVELY AND COPYRIGHT OF THE ARCHITECT ALONE, AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY WRITTEN AGREEMENT BETWEEN THE ARCHITECT AND PROJECT
- 23. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 50 PERCENT OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH SECTION 5.408.1.1. 5.408.1.2 OR 5.408.1.3 OF CALGREEN; OR MEET A LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE. WHICHEVER IS MORE STRINGENT.
- 24. DOCUMENTATION OF THE ABOVE SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTIONS 5.408.1.1.THRU 5.408.1.3. THE WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE ACCESSIBLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY.

ABBREVIATIONS

CENTER LINE CENTER POINT POUND OR NUMBER ACOUSTIC ADJUSTABLE APPROXIMATE

BLOCKING

BOTTOM OF

CERAMIC TILE

CEILING

CAULKING

CONCRETE

CONNECTION

CONSTRUCTION

COUNTERSUNK

DOUBLE

DETAIL

DECORATIVE

DOUGLAS FIR

DIAMETER

DRAWING

ELECTRICAL

ELEVATION

EXTERIOR

FINISH

FLOOR

FOOTING

FURRING

FINISH FLOOR

FACE OF FINISH

FACE OF MASONRY

GENERAL CONTRACTOR

GYPSUM WALL BOARD

GYPSUM BOARD

HOSE BIB

HARDWOOD

HARDWARE

HOLLOW CORE

HOLLOW METAL

HORIZONTAL

GALVANIZED SHEET METAL

FLOOR DRAIN

FACE OF STUD

ELECTRICAL PANEL

DIMENSION

CONCRETE MASONRY UNIT

CONTINUOUS

CLEAR

ALUM.

BITUM.

B.0.

CLK'G.

CTSK.

DEC

DIM.

ELEV.

FLR. F.O.F.

F.0.S.

FTG.

FURR.

F.O.M.

GYP. BD.

H.B.

H.M.

HORIZ.

DET./DTL

A.B.

ABOVE FINISH FLOOR ALTERNATE ALUMINUM ANCHOR BOLT BITUMINOUS BUILDING

MEMBRANE MANUFACTURER MINIMUM MISCELLANEOUS MASONRY OPENING MOUNTED METAL MULLION N.T.S.

S.K.D.

STOR. S.S.D.

T.O. T.O.C.

T.O.S.

U.O.N.

VERT.

V.I.F.

NORTH NOT IN CONTRACT NUMBFR NOT TO SCALE ON CENTER OWNER FURNISHED, CONTRACTOR INSTALLED

INCH

INTERMEDIATE

INSULATION

INTERIOR

LAMINATE

MACHINE BOLT

MAXIMUM

MECHANICAL

LIGHT

PLYWD. PLYWOOD PREP. PREPARE PRESSURE-TREATED PAINTED PARTITION QUARRY TILE RISER RADIUS REFRIGERATOR

REINFORCED REQUIRED RESILIENT ROOM ROUGH OPENING REDWOOD RAINWATER LEADER SQUARE FEET SQUARE INCH

SEE FOOD SERVICE DWGS **SPECIFICATIONS** SQUARE STAINLESS STEEL STANDARD STEEL STORAGE SEE STRUCTURAL DWGS

TELEPHONE TONGUE AND GROOVE TREAD THICK **TYPICAL** TOP OF TOP OF CONCRETE TOP OF SLAB TUBE STEEL

UNLESS OTHERWISE NOTED VERTICAL VERIFY IN FIELD VERTICAL GRAIN WIDTH

WITH WOOD WITHOUT WATERPROOF WATTER RESISTANT

CEILING FIN., SEE FIN. SPECS

REFLECTED CEILING PLAN KEY

CEILING HEIGHT ABOVE FIN. FLR.

ELEVATION/SECTION NUMBER

SHEET NUMBER

PROJECT DIRECTORY

TRUNG BUI AND THANH KY 1235 SCHOLL LN SANTA CRUZ, CALIFORNIA 95062

CONTACT: TRUNG BUI : (408) 250-1424 E: BHTRUNG@GMAIL.COM

HA NGUYEN 501 BROADWAY #1081 MILLBRAE, CA 94030 CONTACT: HA NGUYEN

T: (415) 754-3066 HA@HNDESIGNS.CO **CIVIL ENGINEER:**

LEI ZHENG

1816 ENCLAVE PLACE CONCORD, CA 94519 CONTACT: LEI ZHENG T: (510) 909-1933 E: ENGINEER.LEI@GMAIL.COM

M.A. ENGINEERING 10137 ALCOSTA BLVD SAN RAMON, CA 94583

STRUCTURAL ENGINEER:

CONTACT: MIKE COMAROTO T: (650) 759-8621 E: MCOMAROTO@COMAROTO.COM

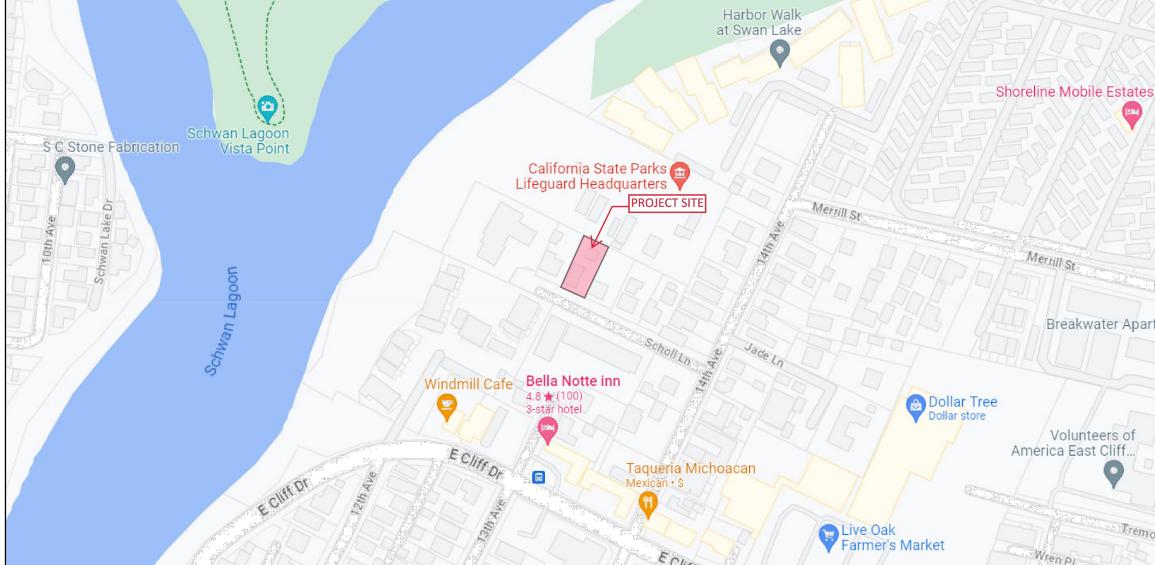
ENERGY CONSULTANT & GREEN-POINT RATER:

P.O. BOX 2202 REDWOOD CITY, CA 94064 CONTACT: MILES HANCOCK T: (650) 804-9063

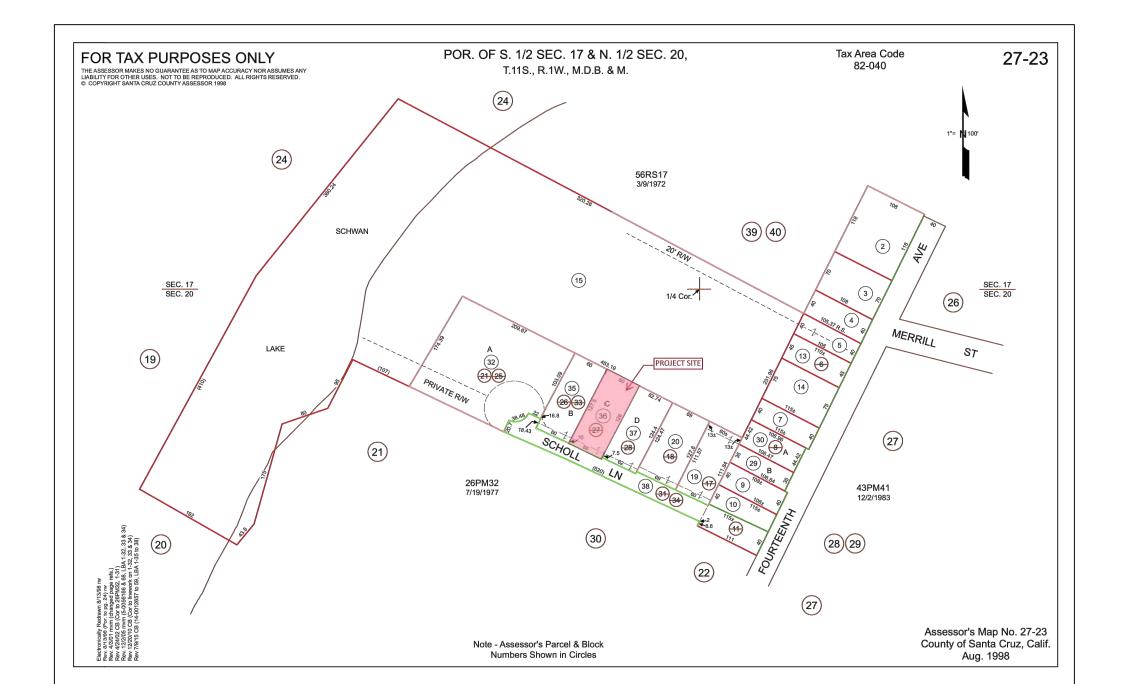
E: ENERGY@PACBELL.NET

MILES HANCOCK

VICINITY MAP



PARCEL MAP



BUI RESIDENCE - ACCESSORY DWELLING UNI

1235 SCHOLL LN SANTA CRUZ, CALIFORNIA 95062

TRUNG BUI AND THANK KY 1235 Scholl Ln Santa Cruz, California 95062

PROJECT INFORMATION

PROJECT DESCRIPTION

CONVERT AN EXISTING DETACHED GARAGE TO AN ACCESSORY DWELLING UNIT (ADU). PROPOSED ADU IS DESIGNED TO RESPECT THE CHARACTER OF THE EXISTING HOME WHICH TO CONTRIBUTES TO SURROUNDING NEIGHBORHOOD WHILE ACCOMMODATING THE NEEDS OF A CONTEMPORARY FAMILY HOME.

RESIDENTIAL DATA INFORMATION: SITE ADDRESS:

1235 SCHOLL LN SANTA CRUZ. CALIFORNIA 95062 02723136 R1-4 RESIDENCE DISTRICT ZONING CLASSIFICATION: LOT SIZE (SQ. FT.): 8,276.4± OCCUPANCY: R-3

V–B CONSTRUCTION TYPE: STORIES: FIRE SUPPRESSION: FLOOD ZONE: FEMA ZONE X GARAGE:

THREE (3) UNCOVERED SPACES FLOOR AREA RATIO:

(E) HOUSE: 976.00 SF (E) GARAGE TO CONVERT TO ADU: 484.00 SF

TOTAL= 1,460.00 SF (18%)

APPLICABLE CODES

2022 CALIFORNIA RESIDENTIAL CODE 2022 CALIFORNIA MECHANICAL CODE 2022 CALIFORNIA PLUMBING CODE 2022 CALIFORNIA FIRE CODE 2022 CALIFORNIA ELECTRICAL CODE 2022 CALIFORNIA ENERGY CODE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE SANTA CRUZ COUNTY MUNICIPAL CODE

1. THESE DRAWINGS ARE TO CONFORM TO THE REQUIREMENTS OF THE CODE EDITIONS CITED ABOVE. ANY WORK PERFORMED IN ASSOCIATION WITH THESE DRAWINGS MUST ALSO COMPLY WITH ANY THESE CODE

2. IN THE EVENT OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

SHEET INDEX

G-000 COVER SHEET **ENERGY COMPLIANCE & GREEN BUILDING** TITLE 24 REPORT

TITLE 24 REPORT SITE PLAN

GENERAL

ARCHITECTURAL A-101 FLOOR PLAN - EXISTING & PROPOSED A-102 ROOF PLAN - EXISTING & PROPOSED A-103 LIGHTING AND RECEPTACLE PLAN - PROPOSED A-104 ENLARGED KITCHEN PLAN & WALL ELEVATIONS

A-201 BUILDING ELEVATIONS - EXISTING & PROPOSED A-501 DETAILS STRUCTURAL

S0.1 COVER PAGE

MARK DATE DESCRIPTION FOUNDATION & TYPICAL CONCRETE DETAILS

GENERAL NOTES

S8.2

FRAMING PLANS GROUND FLOOR

WOOD SHEAR WALL DETAILS

WOOD LATERAL DETAILS

TYPICAL WOOD DETAILS

PROJECT NO: 2312 2312-G-000 COVER SHEET.DWG CAD DWG FILE: DRAWN BY: CHK'D BY: COPYRIGHT

1.06.23 BUILDING PERMIT SUBMITTAL

SHFFT

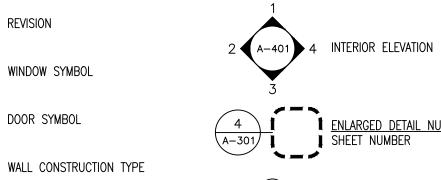
SYMBOL LEGEND

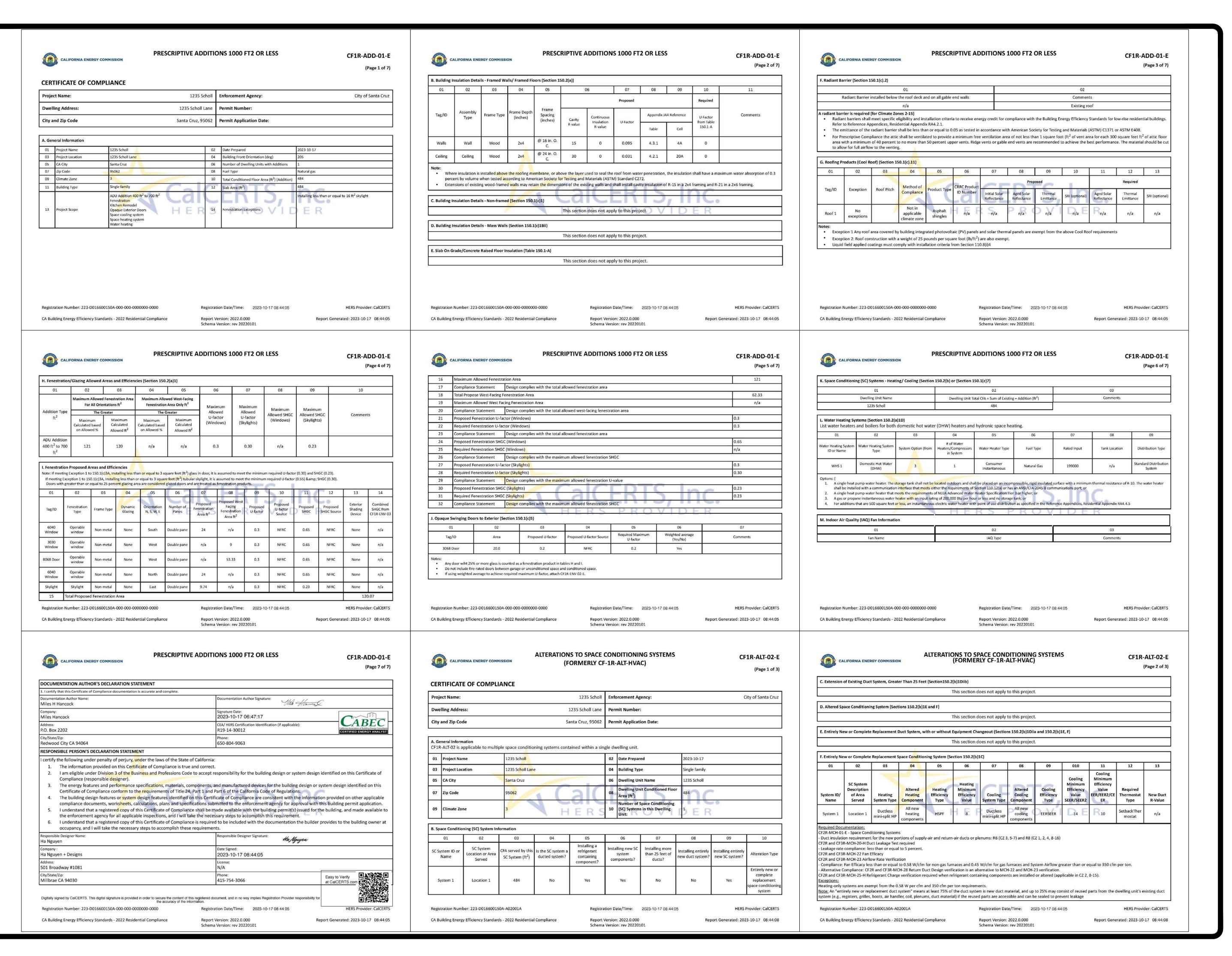
PLAN ELEVATION/CONTROL POINT

8'-0" AFF <u>→±0"</u> FLOOR ELEVATION OR DIMENSION POINT REVISION NUMBER

REVISION

WINDOW SYMBOL DOOR SYMBOL





REVISIONS BY

Miles Hancock

TITLE 2 4 A N A L Y S I S

Miles Hancock
South San Francisco, CA 9408
energy.miles@gmail.com

3UI RESIDENCE
1235 SCHOLL LANE
SANTA CRUZ, CA 95062

DRAWN

CHECKED

M.H.

DATE
10-18-2023

SCALE

JOB NO.

SHEET

T24A

2022 Single-Family Residential Mandatory Requirements Summary

NOTE. Single-family residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information.

(04/2022) Building Envelo	mo:					
§ 110.6(a)1:	Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or					
§ 110.6(a)1:	less when tested per NFRC-400, ASTM E283, or AAMAWDMA/CSA 101/I.S.2/A440-2011. * Labeling. Fenestration products and exterior doors must have a label meeting the requirements of § 10-111(a).					
§ 110.6(b):	Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.6-A, 110.6-B, or JA4.5 for exterior doors. They must be caulked and/or weather-stripped.					
§ 110.7:	Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage must be caulked, gasketed, or weather stripped.					
§ 110.8(a):	Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of Household Goods and Services (BHGS).					
§ 110.8(g):	Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(g).					
§ 110.8(i):	Roofing Products Solar Reflectance and Thermal Emittance. The thermal emittance and aged solar reflectance values of the roofing material must meet the requirements of § 110.8(i) and be labeled per §10-113 when the installation of a cool roof is specified on the CF1R.					
§ 110.8(j):	Radiant Barrier. When required, radiant barriers must have an emittance of 0.05 or less and be certified to the Department of Consumer Affairs.					
§ 150.0(a):	Roof Deck, Ceiling and Rafter Roof Insulation. Roof decks in newly constructed attics in climate zones 4 and 8-16 area-weighted average U-factor not exceeding U-0.184. Ceiling and rafter roofs minimum R-22 insulation in wood-frame ceiling; or area-weighted average U-factor must not exceed 0.043. Rafter roof alterations minimum R-19 or area-weighted average U-factor of 0.054 or less. Attic access doors must have permanently attached insulation using adhesive or mechanical fasteners. The attic access must be gasketed to prevent air leakage. Insulation must be installed in direct contact with a roof or ceiling which is sealed to limit infiltration and exfiltration as specified in § 110.7, including but not limited to placing insulation either above or below the roof deck or on top of a drywall ceiling.*					
§ 150.0(b):	Loose-fill Insulation. Loose fill insulation must meet the manufacturer's required density for the labeled R-value.					
§ 150.0(c):	Wall Insulation. Minimum R-13 insulation in 2x4 inch wood framing wall or have a U-factor of 0.102 or less, or R-20 in 2x6 inch wood framing or have a U-factor of 0.071 or less. Opaque non-framed assemblies must have an overall assembly U-factor not exceeding 0.102 Masonry walls must meet Tables 150.1-A or B. *					
§ 150.0(d):	Raised-floor Insulation. Minimum R-19 insulation in raised wood framed floor or 0.037 maximum U-factor. *					
§ 150.0(f):	Slab Edge Insulation. Slab edge insulation must meet all of the following: have a water absorption rate, for the insulation material alone without facings, no greater than 0.3 percent; have a water vapor permeance no greater than 2.0 perm per inch; be protected from physical damage and UV light deterioration; and, when installed as part of a heated slab floor, meet the requirements of § 110.8(g).					
§ 150.0(g)1:	Vapor Retarder. In climate zones 1 through 16, the earth floor of unvented crawl space must be covered with a Class I or Class II vapor retarder. This requirement also applies to controlled ventilation crawl space for buildings complying with the exception to §150.0(d).					
§ 150.0(g)2:	Vapor Retarder. In climate zones 14 and 16, a Class I or Class II vapor retarder must be installed on the conditioned space side of all insulation in all exterior walls, vented attics, and unvented attics with air-permeable insulation.					
R 450 0(a)	Fenestration Products. Fenestration, including skylights, separating conditioned space from unconditioned space or outdoors must have					

a maximum U-factor of 0.45; or area-weighted average U-factor of all fenestration must not exceed 0.45.*

Fireplaces, Decorative Gas Appliances, and Gas Log:					
§ 110.5(e)	Pilot Light. Continuously burning pilot lights are not allowed for indoor and outdoor fireplaces.				
§ 150.0(e)1:	Closable Doors. Masonry or factory-built fireplaces must have a closable metal or glass door covering the entire opening of the firebox.				
§ 150.0(e)2:	Combustion Intake. Masonry or factory-built fireplaces must have a combustion outside air intake, which is at least six square inches in area and is equipped with a readily accessible, operable, and tight-fitting damper or combustion-air control device.				
§ 150.0(e)3:	Flue Damper. Masonry or factory-built fireplaces must have a flue damper with a readily accessible control.*				

Space Conditioni	ng, Water Heating, and Plumbing System:			
S 110.0-§ 110.3: Certification. Heating, ventilation, and air conditioning (HVAC) equipment, water heaters, showerheads, faucets, and all other regulated appliances must be certified by the manufacturer to the California Energy Commission. * HVAC Efficiency. Equipment must meet the applicable efficiency requirements in Table 110.2-A through Table 110.2-N. *				

the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating.* Thermostats. All heating or cooling systems not controlled by a central energy management control system (EMCS) must have a Insulation. Unfired service water heater storage tanks and solar water-heating backup tanks must have adequate insulation, or tank

surface heat loss rating. Isolation Valves. Instantaneous water heaters with an input rating greater than 6.8 kBtu per hour (2 kW) must have isolation valves with hose bibbs or other fittings on both cold and hot water lines to allow for flushing the water heater when the valves are closed.

5/6/22

2022 Single-Family Residential Mandatory Requirements Summary

§ 110.5:	Pilot Lights. Continuously burning pilot lights are prohibited for natural gas: fan-type central furnaces; household cooking appliances (except appliances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu per hour); and pool are
	spa heaters. *
§ 150.0(h)1:	Building Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook, Equipment Volume, Applications Volume, and Fundamentals Volume; the SMACNA Residential Comfort System Installation Standards Manual; or the ACCA Manual Jusing design conditions specified in § 150.0(h)2.
§ 150.0(h)3A:	Clearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any dryer.
§ 150.0(h)3B:	Liquid Line Drier. Air conditioners and heat pump systems must be equipped with liquid line filter driers if required, as specified by the manufacturer's instructions.
§ 150.0(j)1:	Water Piping, Solar Water-heating System Piping, and Space Conditioning System Line Insulation. All domestic hot water piping must be insulated as specified in § 609.11 of the California Plumbing Code.*
§ 150.0(j)2:	Insulation Protection. Piping insulation must be protected from damage, including that due to sunlight, moisture, equipment' maintenance, and wind as required by §120.3(b). Insulation exposed to weather must be water retardant and protected from UV light (no adhesive tapes). Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space must include, or be protected by, a Class I or Class II vapor retarder. Pipe insulation buried below grade must be installed in a waterproof and non-crushable casing or sleeve.
	Gas or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must

Solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and § 150.0(n)3: Certification Corporation (SRCC), the International Association of Plumbing and Mechanical Officials, Research and Testing (IAPMO R&T), or by a listing agency that is approved by the executive director. Ducts. Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC). If a contractor installs the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement. CMC Compliance. All air-distribution system ducts and plenums must meet CMC §§ 601.0-605.0 and ANSI/SMACNA-006-2006 HVAC Duct Construction Standards Metal and Flexible 3rd Edition. Portions of supply-air and return-air ducts and plenums must be insulated to R-6.0 or higher; ducts located entirely in conditioned space as confirmed through field verification and diagnostic testing (RA3.1.4.3.8) do not require insulation. Connections of metal ducts and inner core of flexible ducts must be mechanically fastened. Openings must be § 150.0(m) 1:

more than 2" higher than the base of the water heater

designate a space at least 2.5' × 2.5' x 7' suitable for the future installation of a heat pump water heater, and meet electrical and

plumbing requirements, based on the distance between this designated space and the water heater location; and a condensate drain no

sealed with mastic, tape, or other duct-closure system that meets the applicable UL requirements, or aerosol sealant that meets UL 723 The combination of mastic and either mesh or tape must be used to seal openings greater than ¼", If mastic or tape is used. Building cavities, air handler support platforms, and plenums designed or constructed with materials other than sealed sheet metal, duct board or flexible duct must not be used to convey conditioned air. Building cavities and support platforms may contain ducts; ducts installed in Factory-Fabricated Duct Systems. Factory-fabricated duct systems must comply with applicable requirements for duct construction,

§ 150.0(m)2: connections, and closures; joints and seams of duct systems and their components must not be sealed with cloth back rubber adhesive uct tapes unless such tape is used in combination with mastic and draw bands. Field-Fabricated Duct Systems. Field-fabricated duct systems must comply with applicable requirements for: pressure-sensitive tapes, mastics, sealants, and other requirements specified for duct construction. § 150.0(m)3:

Backdraft Damper. Fan systems that exchange air between the conditioned space and outdoors must have backdraft or automatic § 150.0(m)7: Gravity Ventilation Dampers. Gravity ventilating systems serving conditioned space must have either automatic or readily accessible,

§ 150.0(m)8: manually operated dampers in all openings to the outside, except combustion inlet and outlet air openings and elevator shaft vents. Protection of Insulation. Insulation must be protected from damage due tosunlight, moisture, equipment maintenance, and wind. § 150.0(m)9: Insulation exposed to weather must be suitable for outdoor service (e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover). Cellular foam insulation must be protected as above or painted with a water retardant and solar radiation-resistant coating. Porous Inner Core Flex Duct. Porous inner cores of flex ducts must have a non-porous layer or air barrier between the inner core and § 150.0(m) 10: Duct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to an

§ 150.0(m) 11: occupiable space, the ducts must be sealed and duct leakage tested, as confirmed through field verification and diagnostic testing, in accordance with Reference Residential Appendix RA3.1. Air Filtration. Space conditioning systems with ducts exceeding 10 feet and the supply side of ventilation systems must have MERV 13 or equivalent filters. Filters for space conditioning systems must have a two inch depth or can be one inch if sized per Equation 150.0-A. Clean-filter pressure drop and labeling must meet the requirements in §150.0(m)12. Filters must be accessible for regular service. Filter racks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to and prevents air from bypassing the

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§ 150.0(n)1:



2022 Single-Family Residential Mandatory Requirements Summary

Space Conditioning System Airflow Rate and Fan Efficacy. Space conditioning systems that use ducts to supply cooling must have a hole for the placement of a static pressure probe, or a permanently installed static pressure probe in the supply plenum. Airflow must § 150.0(m)13: be ≥ 350 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy≤ 0.45 watts per CFM for gas furnace air handlers and ≤ 0.58 watts per CFM for all others. Small duct high velocity systems must provide an airflow ≥ 250 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy ≤ 0.62 watts per CFM. Field verification testing is required in accordance with Reference Residential Appendix RA3.3.*

§ 150.0(o)1:	Requirements for Ventilation and Indoor Air Quality. All dwelling units must meet the requirements of ASHRAE Standard 62.2, Ventilation and Acceptable Indoor Air Quality in Residential Buildings subject to the amendments specified in § 150.0(o) 1.*
§ 150.0(o) 1B:	Central Fan Integrated (CFI) Ventilation Systems. Continuous operation of CFI air handlers is not allowed to provide the whole-dwelling unit ventilation airflow required per §150.0(o) 1C. A motorized damper(s) must be installed on the ventilation duct (s) that prevents all airflow through the space conditioning duct system when the damper(s) is closed and controlled per §150.0(o) 1Biii&iv. C ventilation systems must have controls that track outdoor air ventilation run time, and either open or close the motorized damper(s) compliance with §150.0(o) 1C.
§ 150.0(o)1C:	Whole-Dwelling Unit Mechanical Ventilation for Single-Family Detached and townhouses. Single-family detached dwelling un and attached dwelling units not sharing ceilings or floors with other dwelling units, occupiable spaces, public garages, or commercial spaces must have mechanical ventilation airflow specified in § 150.0(o)1Ci-iii.
§ 150.0(o)1G:	Local Mechanical Exhaust. Kitchens and bathrooms must have local mechanical exhaust; nonenclosed kitchens must have dema controlled exhaust system meeting requirements of §150.0(o)1Giii,enclosed kitchens and bathrooms can use demand-controlled or continuous exhaust meeting §150.0(o)1Giii-iv. Airflow must be measured by the installer per §150.0(o)1Gv, and rated for sound per §150.0(o)1Gvi.*
§ 150.0(o)1H&I:	Airflow Measurement and Sound Ratings of Whole-Dwelling Unit Ventilation Systems. The airflow required per § 150.0(o) 1C be measured by using a flow hood, flow grid, or other airflow measuring device at the fan's inlet or outlet terminals/grilles per Refere Residential Appendix RA3.7. Whole-Dwelling unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less that minimum airflow rate required by §150.0(o) 1C.
§ 150.0(o)2:	Field Verification and Diagnostic Testing. Whole-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating, and HRV and ERV fan efficacy must be verified in accordance with Reference Residential Appendix RA3.7. Vented range hoods must be verified per Reference Residential Appendix RA3.7.4.3 to confirm if it is rated by HVI or AHAM to comply with the airflow rates and sound requirements per §150.0(o) 1G

	rates and sound requirements per §150.0(o) 1G
Pool and Spa S	ystems and Equipment:
§ 110.4(a):	Certification by Manufacturers. Any pool or spa heating system or equipment must be certified to have all of the following: compliance with the Appliance Efficiency Regulations and listing in MAEDbS; an on-off switch mounted outside of the heater that allows shutting of the heater without adjusting the thermostat setting; a permanent weatherproof plate or card with operating instructions; and must not use electric resistance heating.*
§ 110.4(b) 1:	Piping. Any pool or spa heating system or equipment must be installed with at least 36 inches of pipe between the filter and the heater, dedicated suction and return lines, or built-in or built-up connections to allow for future solar heating.
§ 110.4(b)2:	Covers. Outdoor pools or spas that have a heat pump or gas heater must have a cover.
§ 110.4(b)3:	Directional Inlets and Time Switches for Pools. Pools must have directional inlets that adequately mix the pool water, and a time switch that will allow all pumps to be set or programmed to run only during off-peak electric demand periods.
§ 110.5:	Pilot Light. Natural gas pool and spa heaters must not have a continuously burning pilot light.
§ 150.0(p):	Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump sizing, flow rate, piping, filters, and valves. *
_ighting:	
	Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable

	Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable
0.9:	requirements of § 110.9.
50.0(k) 1A:	Luminaire Efficacy. All installed luminaires must meet the requirements in Table 150.0-A, except lighting integral to exhaust fans, kitchen range hoods, bath vanity mirrors, and garage door openers; navigation lighting less than 5 watts; and lighting internal to drawers, cabinets, and linen closets with an efficacy of at least 45 lumens per watt.
.0(k)1B:	Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8. *
50.0(k) 1C:	Recessed Downlight Luminaires in Ceilings. Luminaires recessed into ceilings must not contain screw based sockets, must be airtight, and must be sealed with a gasket or caulk. California Electrical Code § 410.116 must also be met.

Light Sources in Enclosed or Recessed Luminaires. Lamps and other separable light sources that are not compliant with the JA8 elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires.

Blank Electrical Boxes. The number of electrical boxes that are more than five feet above the finished floor and do not contain a luminaire or other device shall be no more than the number of bedrooms. These boxes must be served by a dimmer, vacancy sensor Lighting Integral to Exhaust Fans. Lighting integral to exhaust fans (except when installed by the manufacturer in kitchen exhaust hoods) must meet the applicable requirements of § 150.0(k

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2022 Single-Family Residential Mandatory Requirements Summary

§ 150.0(k) 1H:	Light Sources in Enclosed or Recessed Luminaires. Lamps and other separable light sources that are not compliant with the JA8 elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires.
§ 150.0(k) 11:	Light Sources in Drawers, Cabinets, and Linen Closets. Light sources internal to drawers, cabinetry or linen closets are not required to comply with Table 150.0-A or be controlled by vacancy sensors provided that they are rated to consume no more than 5 watts of power, emit no more than 150 lumens, and are equipped with controls that automatically turn the lighting off when the drawer, cabinet or linen closet is closed.
§ 150.0(k)2A:	Interior Switches and Controls. All forward phase cut dimmers used with LED light sources must comply with NEMA SSL 7A.
§ 150.0(k)2B:	Interior Switches and Controls. Exhaust fans must be controlled separately from lighting systems. *
§ 150.0(k)2A:	Accessible Controls. Lighting must have readily accessible wall-mounted controls that allow the lighting to be manually turned on and off.*
§ 150.0(k)2B:	Multiple Controls. Controls must not bypass a dimmer, occupant sensor, or vacancy sensor function if the dimmer or sensor is installed to comply with § 150.0(k).
§ 150.0(k)2C:	Mandatory Requirements. Lighting controls must comply with the applicable requirements of § 110.9.
§ 150.0(k)2D:	Energy Management Control Systems. An energy management control system (EMCS) may be used to comply with dimming, occupancy, and control requirements if it provides the functionality of the specified control per § 110.9 and the physical controls specified in § 150.0(k)2A.
§ 150.0(k)2E:	Automatic Shutoff Controls. In bathrooms, garages, laundry rooms, utility rooms and walk-in closets, at least one installed luminaire must be controlled by an occupancy or vacancy sensor providing automatic-off functionality. Lighting inside drawers and cabinets with opaque fronts or doors must have controls that turn the light off when the drawer or door is closed.
§ 150.0(k)2F:	Dimmers. Lighting in habitable spaces (e.g., living rooms, dining rooms, kitchens, and bedrooms) must have readily accessible wall-mounted dimming controls that allow the lighting to be manually adjusted up and down. Forward phase cut dimmers controlling LED light sources in these spaces must comply with NEMA SSL 7A.
§ 150.0(k)2K:	Independent controls. Integrated lighting of exhaust fans shall be controlled independently from the fans. Lighting under cabinets or shelves, lighting in display cabinets, and switched outlets must be controlled separately from ceiling installed lighting.
§ 150.0(k)3A:	Residential Outdoor Lighting. For single-family residential buildings, outdoor lighting permanently mounted to a residential building, or to other buildings on the same lot, must have a manual on/off switch and either a photocell and motion sensor or automatic time switch control) or an astronomical time clock. An energy management control system that provides the specified control functionality and meets applicable requirements may be used to meet these requirements.
§ 150.0(k)4:	Internally illuminated address signs. Internally illuminated address signs must either comply with § 140.8 or consume no more than 5 watts of power.
§ 150.0(k)5:	Residential Garages for Eight or More Vehicles. Lighting for residential parking garages for eight or more vehicles must comply with the applicable requirements for nonresidential garages in §§ 110.9, 130.0, 130.1, 130.4, 140.6, and 141.0.
Solar Readiness	
§ 110.10(a)1:	Single-family Residences. Single-family residences located in subdivisions with 10 or more single-family residences and where the application for a tentative subdivision map for the residences has been deemed complete and approved by the enforcement agency, which do not have a photovoltaic system installed, must comply with the requirements of § 110.10(b)-(e).
§110.10(b) 1A:	Minimum Solar Zone Area. The solar zone must have a minimum total area as described below. The solar zone must comply with access, pathway, smoke ventilation, and spacing requirements as specified in Title 24, Part 9 or other parts of Title 24 or in any requirements adopted by a local jurisdiction. The solar zone total area must be comprised of areas that have no dimension less than 5 feet and are no less than 80 square feet each for buildings with roof areas less than or equal to 10,000 square feet or no less than 160 square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be located on the roof or overhang of the building and have a total area no less than 250 square feet.
§ 110.10(b)2:	Azimuth. All sections of the solar zone located on steep-sloped roofs must have an azimuth between 90-300° of true north.

§ 110.10(b)2: Azimuth. All sections of the solar zone located on steep-sloped roofs must have an azimuth between 90-300° of true north. Shading. The solar zone must not contain any obstructions, including but not limited to: vents, chimneys, architectural features, and roof mounted equipment. Shading. Any obstruction located on the roof or any other part of the building that projects above a solar zone must be located at least twice the § 110.10(b)3B: horizontal distance of the height difference between the highest point of the obstruction and the horizontal projection of the nearest point of the Structural Design Loads on Construction Documents. For areas of the roof designated as a solar zone, the structural design loads for § 110.10(b)4: roof dead load and roof live load must be clearly indicated on the construction documents. Interconnection Pathways. The construction documents must indicate; a location reserved for inverters and metering equipment and a § 110.10(c): pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service; and for single-family

residences and central water-heating systems, a pathway reserved for routing plumbing from the solar zone to the water-heating system. **Documentation.** A copy of the construction documents or a comparable document indicating the information from § 110.10(b)-(c) must be § 110.10(d): provided to the occupant. § 110.10(e)1: Main Electrical Service Panel. The main electrical service panel must have a minimum busbar rating of 200 amps.

Main Electrical Service Panel. The main electrical service panel must have a reserved space to allow for the installation of a double pole § 110.10(e)2: circuit breaker for a future solar electric installation. The reserved space must be permanently marked as "For Future Solar Electric."

Electric and Energy Storage Ready:



2022 Single-Family Residential Mandatory Requirements Summary

Energy Storage System (ESS) Ready. All single-family residences must meet all of the following: Either ESS-ready interconnection equipment with backed up capacity of 60 amps or more and four or more ESS supplied branch circuits, or a dedicated race way from the main service to a subpanel that supplies the branch circuits in § 150.0(s); at least four branch circuits must be identified and have their source collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit near the primary exit, and one circuit supplying a sleeping room receptacle outlet; main panelboard must have a minimum busbar rating of 225 amps; sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 3' of the main anelboard, with raceways installed between the panelboard and the switch location to allow the connection of backup power source. Heat Pump Space Heater Ready. Systems using gas or propane furnaces to serve individual dwelling units must include: A dedicated unobstructed 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cov identified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker

Electric Cooktop Ready. Systems using gas or propane cooktop to serve individual dwelling units must include: A dedicated unobstruc 240V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at least 50 amps with the blank cover identified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently Electric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbing to serve individual dwelling units must include: A

dedicated unobstructed 240V branch circuit wiring installed within 3' of the dryer location with circuit conductors rated at least 30 amps with the blank cover identified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole

*Exceptions may apply.

CALIFORNIA ENERGY COMMISSION

Responsible Designer Name:

ALTERATIONS TO SPACE CONDITIONING SYSTEMS ORMERLY CF-1R-ALT-HVAC)

CF1R-ALT-02-E (Page 3 of 3)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
1. I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: Miles H Hancock	Documentation Author Signature:		
Company: Miles Hancock	Signature Date: 2023-10-17 06:47:17		
Address: P.O. Box 2202	CEA/ HERS Certification Identification (if applicable): R19-14-30012		
City/State/Zip: Redwood City CA 94064	Phone: 650-804-9063		
RESPONSIBLE PERSON'S DECLARATION STATEMENT	·		
I certify the following under penalty of perjury, under the laws of 1. The information provided on this Certificate of Complia 2. I am eligible under Division 3 of the Business and Profes	A CONTROL OF THE PROPERTY OF T		

Compliance (responsible designer).

The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance confo<mark>rm</mark> to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement. 6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at

Ha Nguyen 2023-10-17 08:44:05 Ha Nguyen + Designs 501 Broadway #1081 Easy to Verify Millbrae CA 94030 415-754-3066

Digitally signed by CalCERTS. This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

Registration Number: 223-D016600150A-A02001A Registration Date/Time: 2023-10-17 08:44:05

occupancy, and I will take the necessary steps to accomplish these requirements.

CA Building Energy Efficiency Standards - 2022 Residential Compliance

Report Version: 2022.0.000 Schema Version: rev 20220101

Report Generated: 2023-10-17 08:44:08

Warns

DRAWN	"""
CHECKED	
M.H.	
DATE	
10-18-2023	
SCALE	
JOB NO.	
SHEET	

5/6/22

SITE PLAN NOTES

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

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

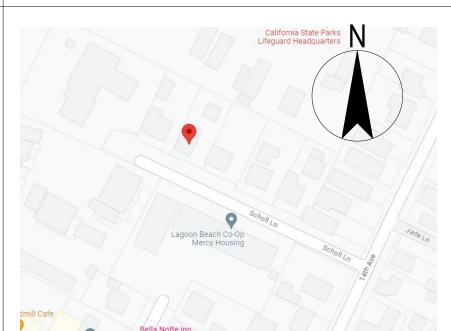
3. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOTCLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULLBOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, MÈTERS, PPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY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

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

5.THIS IS NOT A SURVEYED PLAN AND ONLY SHOWS DIMENSIONS GIVEN BY HOMEOWNER. PROPERTY MEASUREMENTS SHOULD BE CONFIRMED WITH A

FENCE 7' TALL

VICINITY MAP GENERAL NOTES



(E) GARAGE 484 SF

1. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, ETC) OR TO THE LOCATION OF THE HOOK-UP THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-

WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/ OR ADDITIONAL EXPENSES. 2. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWN STREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. 3. PROVIDE LOW CONSUMPTION WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION. 4. PROVIDE 72" HIGH NON-ABSORBENT WALL ADJACENT TO SHOWER AND APPROVED

SHATTER-RESISTANT MATERIALS FOR SHOWER ENCLOSURE. 5. ALL CONSTRUCTION WASTE AND DEBRIS MUST BE CONTAINERIZED AT ALL TIMES 6. FINAL APPROVAL REQUIRED BY THE PUBLIC WORKS DEPARTMENT FOR STREET IMPROVEMENTS, CURB CORES, CURB/GUTTERS, ETC. SEPARATE PUBLIC WORKS PERMIT REQUIRED FOR DRIVEWAYS, APPROACH TO DRIVEWAY, SEWER LATERALS AND ANY WORK

IN RIGHT OF WAY. 7. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND AMENDMENTS. 8. A SURVEY SHALL BE PROVIDED BY A LICENSED SURVEYOR ON STRUCTURES WHICH DEFINE PROPERTY LINES, SET BACKS, DESIGNATED PARKLAND OR STREET RIGHT-OF-WAY. 9. DUST CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE

10. WATER HEATER MUST BE STRAPPED TO WALL. 11. PROVIDE ULTRA FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR WATER CONSUMPTION. 12. LAG BOLTS: PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIA. AND FULL DIA. FOR SMOOTH SHANK PORTION. 91 NDS 13. BLOCKING. ROOF RAFTERS AND CEILING JOINTS SHALL BE SUPPORTED LATERALLY TO

PREVENT ROTATION & LATERAL DISPLACEMENT IN ACCORDANCE w/ THE PROVISIONS OF 14. CONTRACTOR AND/OR OWNER SHALL VERIFY CONSTRUCTION SITE TO CONFIRM THAT THERE IS NO TRACEOF DEMOLISHED SWIMMING POOL WITHIN 5 FT FROM PROPOSED PERIMETER OF THE CONSTRUCTION SITE. OTHERWISE, THEY NEED TO SUBMIT SOIL COMPACTION REPORT FROM LICENSED SOIL ENGINEER TO BUILDING INSPECTOR PRIOR TO

FOUNDATION INSPECTION 15. SHEARWALLS, LATHING & PLASTER IN MATERIALS SHALL CONFORM TO THE STANDARD LISTED IN CH.6 & CH.7 CRC 16. ALL BOLT HOLES SHALL BE DRILLED 1/32" TO 1/16" OVERSIZED. "ENGINEER" MUST INCLUDE

17. PROVIDE RAIN GUTTERS AND CONVEY RAIN WATER TO THE STREET. 18. CONCRETE 3000PSI

19. PARALLEL BEAM E.2.0 PSL 20. UFER GROUND IS REQUIRED AT NEW ELECTRICAL SERVICE. 21. UNDERGROUND UTILITIES REQUIRED ON SITE PLAN AND SHOW FOR ELECTRICAL, CABLE TV. 22. ARC FAULT CIRCUIT INTERRUPTION PROTECTION IS REQUIRED FOR ALL BRANCH CIRCUITS PER 2022 CEC210.12 SHALL BE AFCI PROTECTED

24. WATER SAVING WATER CLOSET w/1.28 GALLONS PER FLUSH. 25. PROVIDE MECHANICAL VENTILATION FOR BATHROOMS AND LAUNDRY ROOMS WITHOUT

26. GLAZING WHICH IS LESS THAN 60 INCHES FROM A FLOOR AND WITHIN A 24" ARC OF A DOORWAY'S VERTICAL EDGE MUST COMPLY WITH CH.3 CRC . LANDINGS AT DOOR. LANDINGS SHALL HAVE A WIDTH NOT LESS THAN THE WIDTH OF THE STAIRWAY OR THE DOOR, WHICHEVER IS GREATER.

23. BATHROOMS, KITCHEN, GARAGE & OUTSIDE OUTLETS WILL BE GFCI PROTECTED RECEPTACLE

28. EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH A NATURAL LIGHT IN ACCORDANCE WITH CRC R303.1(2022) OR SHALL BE PROVIDE AN AVERAGE ILLUMINATION OF 6 FEET-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30" ABOVE THE FLOOR LEVEL. 29 THE CONTRACTOR SHALL EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS SURVEY THE PROPERTY AND RECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE OF WORK. ALL COST SUBMITTED SHALL BE BASED ON A THROUGH KNOWLEDGE OF ALL WORK AND MATERIALS REQUIRED. ANY DISCREPANCY AND/OR UNCERTAINTY AS TO WHAT MATERIALS OR PRODUCT IS TO BE USED SHOULD BE VERIFIED WITH THE OWNER OR ENGINEER OF RECORD.

30. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE. 31. IN THE EVENT A DISCREPANCY IS FOUND IN THE CONTRACT DOCUMENTS, THE OWNER AND THE DESIGNER/ENGINEERS SHALL BE NOTIFIED, IN WRITING, IMMEDIATELY. 2. FIRE SPRINKLER SYSTEM SHALL BE APPROVED BY OCFA AND AN APPROVED PLANS SHALL BE INCLUDED IN THE CONSTRUCTION PACKAGE PRIOR TO BUILDING PERMIT ISSUANCE.

3. VERIFY WITH AQMD FOR ASBESTOS REMOVAL PROCEDURE AND SUBMIT ASBESTOS REPORT TO BUILDING DIVISION PRIOR TO DEMOLITION PERMIT ISSUANCE. 34. TRUSS PACKAGE WITH AN APPROVED STAMP FROM THE ENGINEER OF RECORD SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE. 35. LINE AND GRADE CERTIFICATE SHALL BE SUBMITTED TO THE BUILDING INSPECTOR PRIOR TO

FOUNDATION INSPECTION

(E) SHED.

(N) ADU 484 SF

36. SOIL COMPACTION REPORT IS REQUIRED FOR ALL NEW SFD HOUSE OR ADU AT THE TIME OF FOUNDATION INSPECTION 37. WHEN SOLAR PANEL IS REQUIRED, SOLAR PLANS SHALL BE REVIEWED AND APPROVED BY BUILDING DIVISION PRIOR TO ROOF SHEATHING INSPECTION.

PROJECT DATA SHEET INDEX

A.00 SITE PLAN

JURISDICTION HAVING AUTHORITY: COUNTY OF SANTA CRUZ, CA 95062 LEGAL DESCRIPTION: TRACK 27-23, LOT 36 ASSESSORS PARCEL NO. APN: 02723136 **CONSTRUCTION TYPE:** R-1-4 RESIDENTIAL

OCCUPANCY GROUP: SPRINKLERS: NUMBER OF STORIES: 1 STORY, (ALLOWABLE : 2 STORY) **BUILDING MAX HEIGHT:** 12 FT, (ALLOWABLE : 28) REQUIRED SETBACKS: 5 FT

LOT SIZE 8,205 SF (ACRES) **EXISTING:** (E) MAIN HOUSE LIVING AREA 1,159 SF (E) GARAGE AREA 484 SF **EXISTING TOTAL:** 1,159 SF **NEW CONSTRUCTION:** (N) DETACHED ADU AREA: 484 SF

SIDE:

NEW TOTAL:

OWNER:

PHONE:

DESIGNER:

COMPANY:

PHONE:

EMAIL:

EMAIL:

MAXIMUM LOT COVERAGE: **OVERALL LOT COVERAGE:** 1,159 SF + 484 SF = 1643 SF 1,643/ 8,205 SF = 20% OK

Trung Bui

LEI ZHENG

CECILIA HOME

(510) 909-1933

408-250-1424

MAXIMUM FLOOR RATIO (FAR): (1,159+484)/8,205=20%, **OK**

-Convertion of a garage into an ADU

SCOPE OF WORK

PROJECT INFORMATION APPLICABLE CODE **LEGAL JURISDICTION: COUNTY OF SANTA CRUZ, CA**

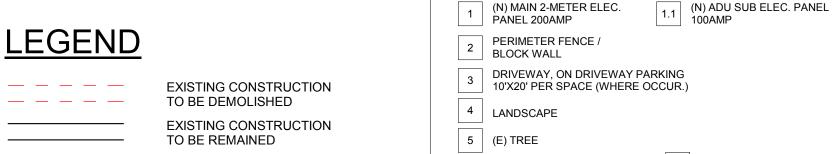
THIS PROJECT SHALL COMPLY WITH THE bhtrung@gmail.com 2022 CALIFORNIA RESIDENTIAL CODE 2022 CALIFORNIA PLUMBING CODE 2022 CALIFORNIA MECHANICAL CODE 2022 CALIFORNIA ENERGY CODE 2022 CALIFORNIA ELECTRICAL CODE ENGINEER.LEI@GMAIL.COM 2022 CALIFORNIA GREEN BUILDING STANDARDS REGULATION OF THE STATE AND LOCAL FIRE

MARSHALS & CITY ORDINANCE

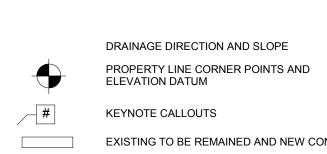
COUNTY OF SANTA CRUZ MUNICIPAL CODE.

PROFESSIONAL ENGINEER: LEI ZHENG COMPANY: **CECILIA HOME** PHONE: (510) 909-1933 **ENGÍNEER.LEI@GMAIL.COM** EMAIL:

SITE PLAN KEYNOTES



SYMBOL LEGEND



EXISTING TO BE REMAINED AND NEW CONSTRUCTION EXISTING TO BE DEMOLISHED

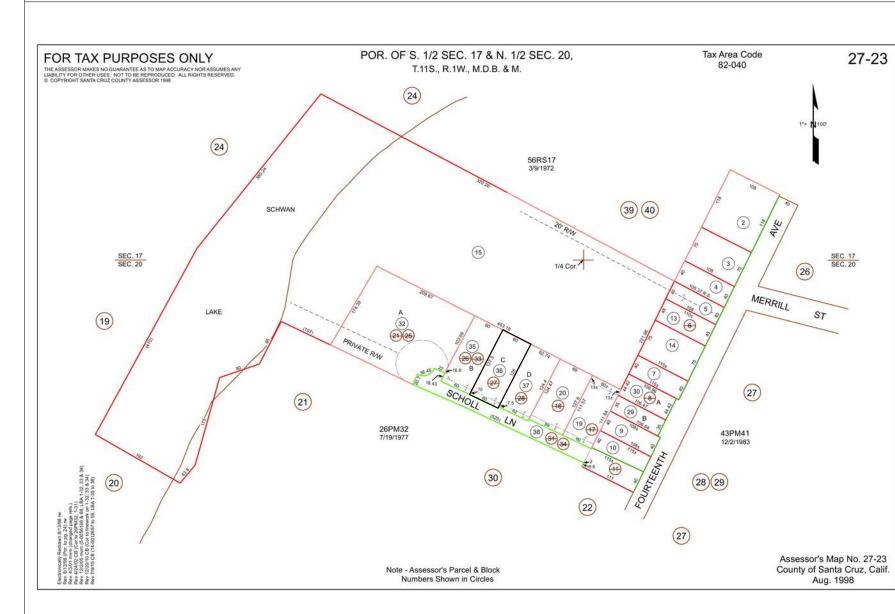
14 CLEAN OUT 6 (E) A/C UNIT (E) GAS METER 3/4" PIPE SEWER LINE POINT OF 15 CONNECTION 4" PIPE (E) WATER HEATER GAS LINE POINT OF (N) WATER HEATER 10 (N) A/C UNIT

11 ROOF LINE ABOVE 12 (E) WATER METER 5/8"x3/4" PIPE 13 GATE

SPECIAL NOTES

THE DESIGN OF THE ACCESSORY DWELLING UNIT SHALL BE ARCHITECTURALLY COMPATIBLE WITH THE MAIN DWELLING UNIT. WITH ALL DESIGN. THE DESIGN, COLOR, MATERIAL AND TEXTURE OF THE ROOF SHALL BE SUBSTANTIALLY THE SAME AS THE MAIN DWELLING UNIT.

PARCEL MAP



DESCRIPTION DATE 0 APPLY FOR PERMITS 11/08/2023 Jurisdiction:

CHIEF ENGINEER:LEI ZHENG (MASON)

EMAIL: ENGINEER.LEI@GMAIL.COM

DURING CONSTRUCTION IF ANY DIFFICULTY

CONTRACTOR WILL TAKE ALL THE LIABILITY

OCCUR. PLEASE CONTACT ENGINEER

FROM THE DRAWING WITHOUT PRIOR

APPROVAL FROM ENGINEER, THE

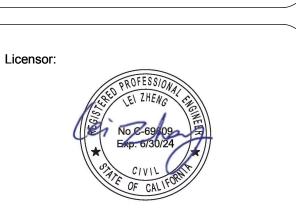
DUE TO DEVIATION.

3

2

IMMEDIATELY .IF CONTRACTOR DEVIATE

PHONE: (510)909-1933



SHEET TITLE:

SITE PLAN

SHEET NUMBER:

A.00

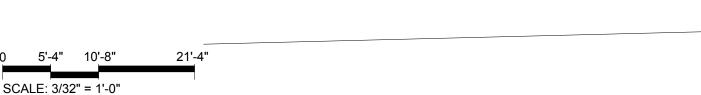
(E) MAIN HOUSE

1235 SCHOLL LN, SANTA CRUZ,



PL 60'







IN STRUCTURAL OBSERVATION NOTES.

FENCE 7' TALL CA 95062

1235 SCHOLL LN, SANTA CRUZ,

SCHOLL LANE

PL 60'

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

NOTES - PROPOSED

GENERAL NOTES:

- COMMENCING WORK. REMODELING OF PRE-1978 STRUCTURES WITHOUT USING LEAD 2. SAFE WORK PRACTICES ARE A VIOLATION OF CALIFORNIA HEALTH AND SAFETY CODE SECTION 105256. CONTRACTORS, REMODELERS, AND PAINTERS ARE REQUIRED TO USE "LEAD SAFE" WORK PRACTICES, PURSUANT TO TITLE 17, CALIFORNIA
- EXISTING CONDITION: CONTRACTOR TO VERIFY CONDITION PRIOR TO STARTING PROJECT AND NOTIFY DESIGNER OF RECORD (DOR) IF EIXSTING IS DIFFERENT FROM THE ASSUMED CONDITION IN THE DRAWINGS. DOR SHALL BE ALLOWED SUFFICINET TIME TO MODIFY DRAWINGS/DESIGN FOR RE-SUBMITTAL.

ARCHITECTURAL NOTES:

1. SHOWER WALLS TO BE PROTECTED UP TO 72"H MINIMUM.

OPENING.

NEW KITCHEN

GARBAGE DISPOSER

KITCHEN SINK (INSTALL W/ GARBAGE

NEW BATHROOM

BATHROOM VANITY, SINGLE

LAVATORY FAUCET, 1-HOLE,

WATER CLOSET, FLOOR MOUNT

SHOWER SET — A COMBINATION

PRESSURE BALANCE/THERMOSTATIC

DECK-MOUNT

MIXING VALVES

2. EMERGENCY EGRESS WINDOW REQUIREMENTS:

CODE OF REGULATIONS SECTION 36050.

- a. 20" WIDE MIN.; 24" TALL MIN.
- b. 5.7 SQ. FT. CLEAR OPENING c. 44" MAX. FROM THE FINISH FLOOR TO THE WINDOW
- PROVIDE 36 INCH MINIMUM DEEP LANDING OUTSIDE ALL EXTERIOR DOORS (NOT MORE THAN 7.75 INCHES LOWER THAN THE THRESHOLD FOR IN-SWINGING DOORS AND SLIDING DOORS, AND NOT MORE THAN 1.5 INCH LOWER THAN THRESHOLD FOR OUT-SWINGING DOORS)

MECHANICAL NOTES:

1. THE DRYER DUCT SHALL BE A MINIMUM OF 36" TO OPENINGS INTO THE BUILDING.

PLUMBING FIXTURE SCHEDULE

KITCHEN FAUCET, SINGLE HOLE, DECK HANSGROHE CENTO KITCHEN FAUCET, STAINLESS STEEL 1.75 GPM

DECORS

PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST DUCTS. ALL NEW APPLIANCE IN THE GARAGE WILL HAVE HEATING

ELEMENTS A MINIMUM OF 18 " AFF.

- **ELECTRICAL NOTES:**
- 1. FIELD VERIFY ALL DIMENSIONS & SITE CONDITIONS PRIOR TO 1. PROVIDE AFCI PROTECTION FOR ALL ROOMS AS REQUIRED BY 5. PROVIDE ISLAND SINK VENTING TO COMPLY WITH SECTION 909 ARTICLE 210. 12 2022 CEC.
 - PROVIDE SMOKE & CARBON MONOXIDE ALARMS COMPLIANCE WITH SECTION R314.3.2 ABOUT SMOKE ALARM MAINTENANCE
 - ALL SMOKE & CARBON MONOXIDE ALARMS ARE TO BE AC/DC AND INTERCONNECTED. 4. PROVIDE SMOKE AND CARBON MONOXIDE ALARMS AT THE
 - FIRST-FLOOR LEVEL ON THE PLANS AS REQUIRED BY SECT IO NS R314 & R3L5 CRC. PROVIDE SMOKE AND CARBON MONOXIDE ALARMS AT THE
 - SECOND-FLOOR LEVEL ON THE PLANS AS REQUIRED BY SECTIONS R314 & R3L 5 CRC.
 - 6. ALL CAN LIGHTS SHALL BE IC/AT RATED.
 - 7. LIGHTING LOCATED IN A TUB/SHOWER LOCATION SHALL BE WATERPROOF PER ARTICLE 410.10 (A) & (B) CEC.
 - PROVIDE VACANCY SENSORS ON ONE LIGHT IN THE FOLLOWING ROOMS: UTILITY ROOMS PER 150.0 (K)2J CEC.
 - 9. PROVIDE MINIMUM SEPARATE ELECTRICAL CIRCUITS FOR: a) (2) SMALL APPLIANCE CIRCUITS FOR THE KITCHEN 20AMP
 - b) GARBAGE DISPOSAL c) DISHWASHER
 - d) 20AMP LAUNDRY CIRCUIT e) DRYER 30AMP MINIMUM 220V

PLUMBING NOTES:

STANDART PRO 22-INCH DROP-IN TOP MOUNT 16 GAUGE

STAINLESS STEEL SINGLE BOWL SINK, #KHT301-22L

INSINK GARBAGE DISPOSAL WITH POWER CORD, BADGER 5,

-ERATOR STANDARD SERIES, 1/2 HP CONTINUOUS FEED, BLACK

PARKWAY 36" BATH VANITY W/ QUARTZ TOP

HANSGROHE COMFORTZONE, AND AIR POWER TECHNOLOGIES - DRAIN

ELONGATED BOWL - #MS646124CUMFG#01

HANSGROHE DIVERTER TRIM, 24" WALL BAR, SHOWER ARM, SHOWER

LOGIS 1.2 GPM SINGLE HOLE FAUCET WITH ECORIGHT,

ASSEMBLY INCLUDED, BRUSHED NICKEL, #71070821

AQUIA IV ONE-PIECE TOILET - 1.0 GPF & 0.8 GPF,

THERMOSTATIC SHOWER SYSTEM WITH VOLUME CONTROL &

HEAD & MULTI FUNCTION HAND SHOWER, BRUSHED NICKEL

1. PROVIDE CLEANOUTS PER SECTIONS 707 & 719 CPC.

MORE THAN 20' FROM THE CRAWL HOLE.

- PROVIDE A CLEANOUT WITHIN 2' OF THE BUILDING FOUNDATION ON THE EXTERIOR OF THE BUILDING. 3. ALL CLEANOUTS EXTENDED TO THE EXTERIOR WHEN LOCATED
- 4. PROVIDE A COMBINATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVES FOR ALL TUB/SHOWERS AND BATHTUBS &

- WHIRLPOOL TUBS PER SECTIONS 408.3 AND 409 CPC.
- 6. ALL PROPOSED HOSE BIBS TO HAVE NON-REMOVABLE BACKFLOW DEVICE.
- 7. PLUMBING CONTRACTOR WILL PROVIDE A SINGLE LINE DIAGRAM AT TIME OF INSPECTION AND ANY INSTALLATION PRIOR TO PLAN CHECK AND APPROVAL IS AT CONTRACTOR'S RISK.
- 8. DISHWASHER HOT WATER LINE AND THE HOT/COLD WATER LINES FOR THE CLOTHES WASHER WHERE QUICK-ACTING VALVES ARE INSTALLED SHALL BE PROVIDED WITH WATER HAMMER ARRESTER(S). WATER HAMMER ARRESTERS SHALL BE APPROVED MECHANICAL DEVICES THAT COMPLY WITH ASSE 1010 OR PDI-WH 201 AND SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO QUICK-ACTING VALVES PER 2022 CPC
- 9. HOT WATER PIPING INSULATION REQUIRED: 3/4 INCH OR LARGER. 2022 CEC §150.0 (J) 2 A I, II, III
- 10. EXISTING LOT'S SEWER LATERAL PIPE MUST BE FIELD VERIFIED TO HAVE SUFFICIENT SIZE TO ALLOW ADDITION OF (N) PLUMBING FIXTURES. AT MIN., A 4"-DIAMETER PIPE CAN
- SERVE 4 OR MORE WATER CLOSETS. 11. EXISTING PLUMBING FIXTURES IN RESIDENCE THAT DO NOT MEET CURRENT WATER FLOW RATES MUST BE UPGRADED TO MEET WATER-CONSERVING FIXTURE REQUIREMENTS (CGBC 4.303.1)

<u>CIVIL/SITE PLAN NOTES:</u>

KITCHEN FAUCET SHALL HAVE AN AVERAGE

LAVATORY FAUCET SHALL HAVE AN AVERAGE

2022 CPC 407.2, 2022 CGC 4. 303.1.4.1

408.2.1, CGC 4.303.1.3

CONSUMPTION OF NOT MORE THAN 1.2 GPM AT 60 PSI

WATER CLOSET SHALL HAVE AN AVERAGE CONSUMPTION

SHOWERHEAD SHALL HAVE AN AVERAGE CONSUMPTION OF NOT MORE THAN 1.8 GPM AT 80 PSI. 2022 CPC

OF NOT MORE THAN 1.28 GALLONS OF WATER PER

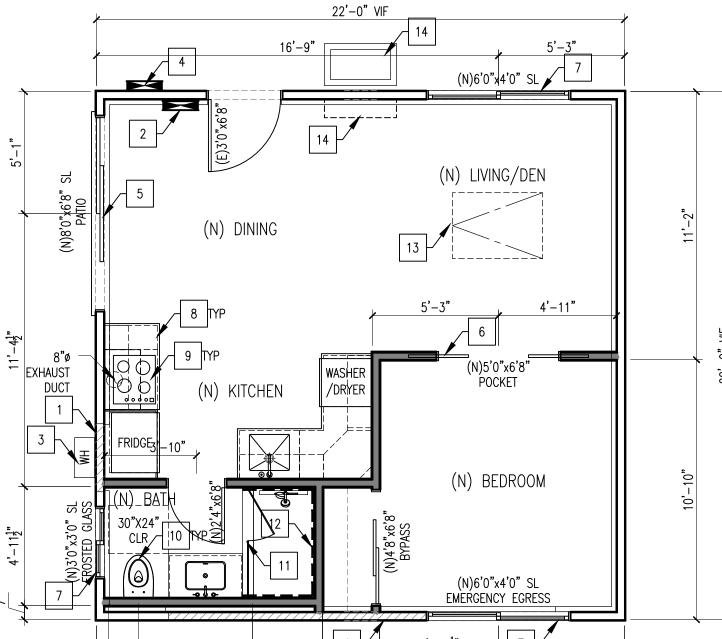
FLUSH. 2022 CPC 411.2, 2022 CGC 4. 303.1.1.

PSI. 2022 CPC 420.2, CGC 4.303.1.4.4.

CONSUMPTION OF NOT MORE THAN 1.8 GPM AT 60

1. A MINIMUM 2% LOT DRAINAGE AWAY FROM THE BUILDING.

2. THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM BUILDING AT A SLOPE OF NOT LESS THAN 6" (5 PERCENT SLOPE) IN THE FIRST 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL. IMPERVIOUS SURFACES WITHIN 10 FEET OF BUILDING SHALL BE SLOPED A MINIMUM OF 2 PERCENT AWAY FROM BUILDING.





TRUE NORTH LEGEND

(E) WALL

(N) WALL INFILL

HA NGUYEN + DESIGNS

501 Broadway #1081 Millbrae California 94030 415.754.3066

CONSULTANTS

OWNER

KEYNOTES

- 1. (N) WALL INFILL 2. (N) ELECTRIC PANEL
- 11. (N) TEMP. GLASS SHOWER DOOR 3. (N) TANKLESS WATER HEATER & PARTITION 4. (E) SOLAR DC CONTROLLER AND 12. SHOWER WALLS TO BE DISCONNECT
- PROTECTED (TITLED) UP TO 5. (N) PATIO DOOR WITH LOCK CEILING 6. (N) SOLID-CORE INTERIOR DOOR 13. (N) VENTED SKYLIGHT ABOVE,

10. (N) PLUMBING FIXTURE. SEE

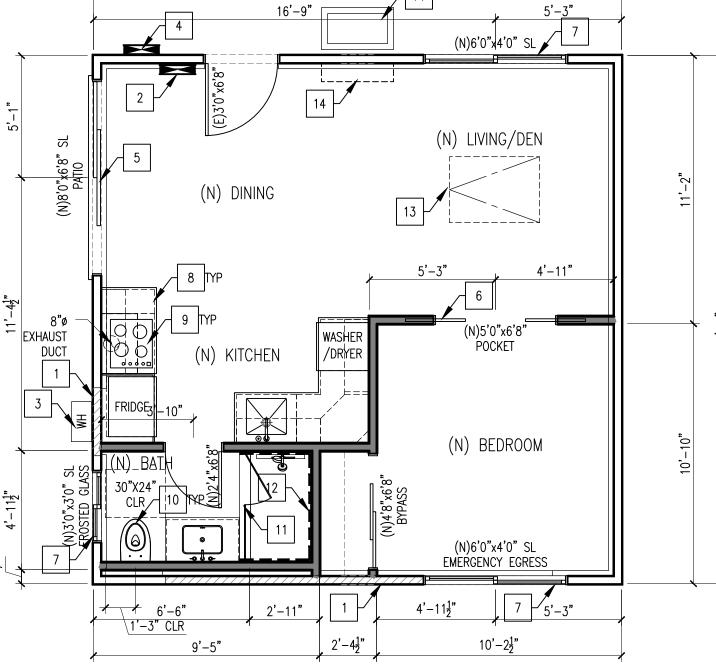
PLUMBING SCHEDULE

- VELUX #VCE 3046 7. (N) DOUBLE-PANE VINYL 14. (N) DUCTLESS MINI-SPLIT
- SYSTEM HEAT PUMP SYSTEM 8. (N) KITCHEN CABINET 9. (N) KITCHEN APPLIANCE

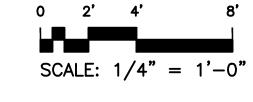
BUI RESIDENCE - ACCESSORY DWELLING UNI

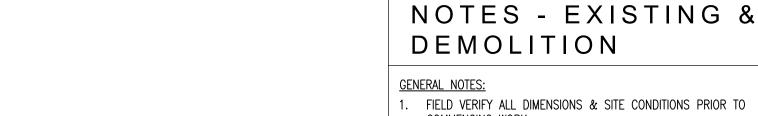
1235 SCHOLL LN SANTA CRUZ, CALIFORNIA 95062

TRUNG BUI AND THANK KY 1235 Scholl Ln Santa Cruz, California 95062



2 ADU FLOOR PLAN - PROPOSED





COMMENCING WORK.

DEMOLITION NOTES:

- 1. ANY MISCELLANEOUS CONSTRUCTION BEHIND DEMOLISH STRUCTURES OR SURFACES WHICH COULD AFFECT (N) CONSTRUCTION TO BE BOUGHT TO THE ATTENTION OF THE DESIGNER.
- CONTRACTOR TO PROTECT ALL (E) TO REMAIN WALLS, WINDOWS, FLOORS, STRUCTURES, AND CEILING FROM DAMAGE DURING CONSTRUCTION AND SHALL RESTORE THEM TO ORIGINAL CONDITION IF
- WINDOWS AND DOORS TO BE REMOVED, REPAIRED AND REINSTALLED OR STORED FOR POTENTIAL SALVAGE OR REUSE; COORDINATE SCOPE OF WORK WITH FLOOR PLANS AND ELEVATIONS. BUILDING MATERIAL AND FIXTURES TO BE STORED FOR POTENTIAL
- SALVAGE OR REUSE INCLUDE BUT ARE NOT LIMITED TO BE BRICK PAVERS, ROOF TILES, DECORATIVE ENTRY DOOR TILES, DOOR HARDWARE, TRIM AND CASING, PLUMBING FIXTURES AND APPLIANCES. DEMOLITION IS NOT LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE

COMPLETE SCOPE OF DEMOLITION WORK TO COMPLETE THE PROJECT.

- REFER TO ALL DRAWINGS FOR FURTHER DEMOLITION WORK AND COORDINATED EXTENT.
- 6. PROVIDE TEMPORARY SUPPORT AS REQUIRED. ROOF TILES, ROOF PAPERS, AND FELTS TO BE REMOVED TYPICAL TO EXPOSE ROOF DECKING WHERE NOTED.
- INTERIOR PLASTER, TILE AND DRYWALL FINISHES TO BE REMOVED TYPICAL TO EXPOSE WOOD STUD FRAMING WHERE NOTED.
- . ALL (E) PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEM TO BE REMOVED UON; MAKE READY FOR INSTALLATION OF (N) PLUMBING PIPES AND FIXTURES, (N) ELECTRICAL WIRING, FIXTURES AND OUTLETS, AND (N) MECHANICAL EQUIPMENT, DUCTS AND REGISTERS.
- 10. PROVIDE TEMPORARY SHORING PRIOR TO REMOVAL OF BEARING WALL.

KEYNOTES

- 4. (E) SOLAR DC CONTROLLER AND 1. (E) DOOR TO REMOVE
- RELOCATE 3. (E) TANKLESS WATER HEATER TO

2. (E) ELECTRIC PANEL TO

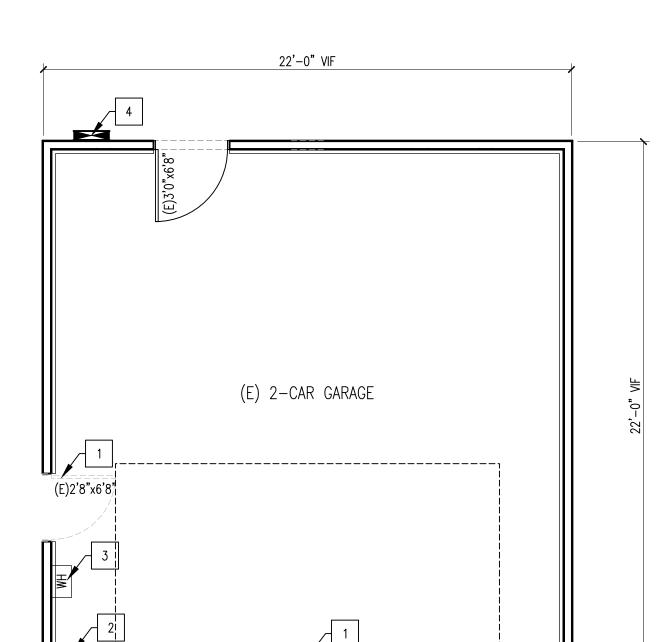
1.06.23 BUILDING PERMIT SUBMITTAL MARK DATE DESCRIPTION

PROJECT NO: 2312 2312-A-101 FLOOR PLAN - EXISTING AND PROPOSED.DWG CAD DWG FILE: DRAWN BY: CHK'D BY:

COPYRIGHT:

FLOOR PLAN - EXISTING AND PROPOSED

A-101



(E)16'0"x8'0"

SECTIONAL OVERHEAD

1 GARAGE FLOOR PLAN - EXISTING AND DEMOLITION



NOTES

ROOFING SYSTEM:

TYPICAL FOR ALL ROOF PLANES WITH PITCHES 2:12 & GREATER ROOF PLAN NOTES: CLASS 'A' ROOFING SYSTEM, CERTAINTEED LANDMARK, MOIRE BLACK, 1. SYMBOLS SHOWN ON LEGENDS ARE FOR GENERAL USE & MAY

O/ ROOFING UNDERLAYMENT, BY MANUFACTURER, O/ PLYWOOD ROOF SHEATHING, SEE STRUCTURAL DWGS. PROVIDE MIN 24 GA METAL FLASHING, (GSM UNLESS OTHERWISE REQD *), O/ SELF-ADHERED FLASHING, BY MANUFACTURER, AT ALL RDIGES, HIPS, VALLEYS, PITCH TRANSITIONS, RAKES, AND EAVES.

PROVIDED HEMMED DRIP EDGES AT RAKES, GUTTER-LESS EAVES, ALL OTHER APPLICABLE FLASHING LEGS. * COORDINATE ALL MATERIALS WITH FLASHING & GUTTER/RAIN WATER LEADERS MATERIAL. DO NOT USE DISSIMILAR METALS. PROTECT

AGAINST GALVANIC ACTION. SUBMIT PROPOSED ROOFING SYSTEM COMPONENT LIST & DATA FOR DESIGNER REVIEW & OWNER APPROVAL PRIOR TO ORDERING. INSTALL

PER ALL CODE & MANUFACTURER REQUIREMENTS. COORDINATE COMPATIBILITY OF ALL MATERIALS & SYSTEMS.

ROOF VENT CALCULATIONS:

PROVIDE (E) ROOF VENTING: 484 SQ. FT. AREA DIVIDED BY 300 EQUALS 1.6 SQ. FT. OF VENTS REQUIRED

HIGH VENTING MINIMUM 50% REQUIRED: 0.80 SQ FT.

LOW VENTING MINIMUM 50% REQUIRED: 0.80 SQ FT.

TWO (E) LOW-PROFILE ROOF VENT, 32" X 23", 0.5 SQ. FT. NET FREE VENT AREA PER UNIT 0.5 SQ. FT. X 2 = 1 SQ. FT. OF HIGH VENTING PROVIDED.

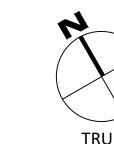
VENT AREA PER UNIT 0.73 SQ. FT. X 2 = 1.46 SQ. FT. OF LOW VENTING PROVIDED.

TWO (E) GABLE LOUVER VENT, 16" X 24", 0.73 SQ. FT. NET FREE

GENERAL NOTES:

FIELD VERIFY ALL DIMENSIONS & SITE CONDITIONS PRIOR TO COMMENCING WORK.

- NOT NECESSARY APPEARING ON PLANS.
- 2. THESE NOTES SUPPLEMENT THOSE FOUND ELSEWHERE IN THESE DOCUMENTS; ALL REQMTS SHALL REMAIN IN FULL FORCE REGARDLESS OF WHERE THEY APPEAR. SEE OTHER SHEETS FOR ADDITIONAL INFORMATION & REQUIREMENTS.
- SUBMIT ANY PROPOSED CHANGE OR DEVIATION FROM THESE NOTES AS A SUBSTITUTION REQUEST OR REQUEST FOR
- SKYLIGHT/SUN TUNNEL, ADD ALTERNATIVE AT OWNER OPTION: SKYLIGHTS SHALL FULLY COMPLY WITH CRC & TITLE 24 ENERGY REPORT FOR REQD U-VALUE, SHGC, ETC. PROVIDE VELUX SKYLIGHT W/ ALL FLASHING & ACCESSORIES BY VELUX WHERE POSSIBLE, COORD W/ ROOF MATL & PROFILE, INSTALL PER ALL MFR INSTRUCTIONS & TO MAINTAIN ALL WARRANTIES. IAPMO-ES EVALUATION REPORT ER-0199.
- 5. PROVIDE A MINIMUM OF TWO-LAYERS OF 15# FELT UNDER ALL ROOFING MATERIALS WHEN THE ROOF SLOPE IS LESS THAN 5:12.
- 6. PROVIDE A 1" CLEARANCE FROM THE ROOF INSULATION TO THE BOTTOM OF THE ROOF SHEATHING.
- 7. ALL NEW ROOF DRAINAGE WILL BE DIRECTED TO LANDSCAPED AREAS TO THE EXTENT FEASIBLE AND NOT ONTO ADJACENT PROPERTIES.
- 8. MECHANICAL VENTS ARE TO TERMINATE A MINIMUM OF 3'
- FROM OPENING INTO BUILDING.
- 9. THE OPERABLE SKYLIGHT SHALL BE PROTECTED BY A NON-COMBUSTIBLE MESH SCREEN WHERE THE DIMENSIONS OF THE OPENINGS IN THE SCREEN SHALL NOT EXCEED 1/8 INCHES PER R337.8.2.2.
- 10. VENTS AT THE ROOF TO BE A MINIMUM OF 3 FEET ABOVE OR 10 FEET HORIZONTALLY AWAY FROM OPERABLE SKYLIGHTS PER CPC 906.2.





1. (E) SHINGLE ROOF, BLACK

- 2. (E) FASCIA GUTTER, PAINTED
- 3. (E) LOW-PROFILE ROOF VENT 4. (E) PHOTOVOLTAIC PANEL

KEYNOTES - (N) ROOF

5. (N) VENTED SKYLIGHT

HA NGUYEN + DESIGNS

501 Broadway #1081 Millbrae California 94030 415.754.3066

CONSULTANTS

OWNER

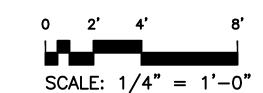
BUI RESIDENCE - ACCESSORY DWELLING UNIT

1235 SCHOLL LN SANTA CRUZ, CALIFORNIA 95062

TRUNG BUI AND THANK KY 1235 Scholl Ln Santa Cruz, California 95062

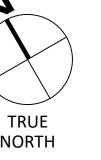
LINE OF (E) EXT. WALL BELOW, TYP < 6:12 <u>6:12</u> 11'-0" <u>1'−6" 0.H.</u> 25'-0" VIF

2 ROOF PLAN - PROPOSED





2. (E) FASCIA GUTTER, PAINTED 3. (E) LOW-PROFILE ROOF VENT 4. (E) PHOTOVOLTAIC PANEL

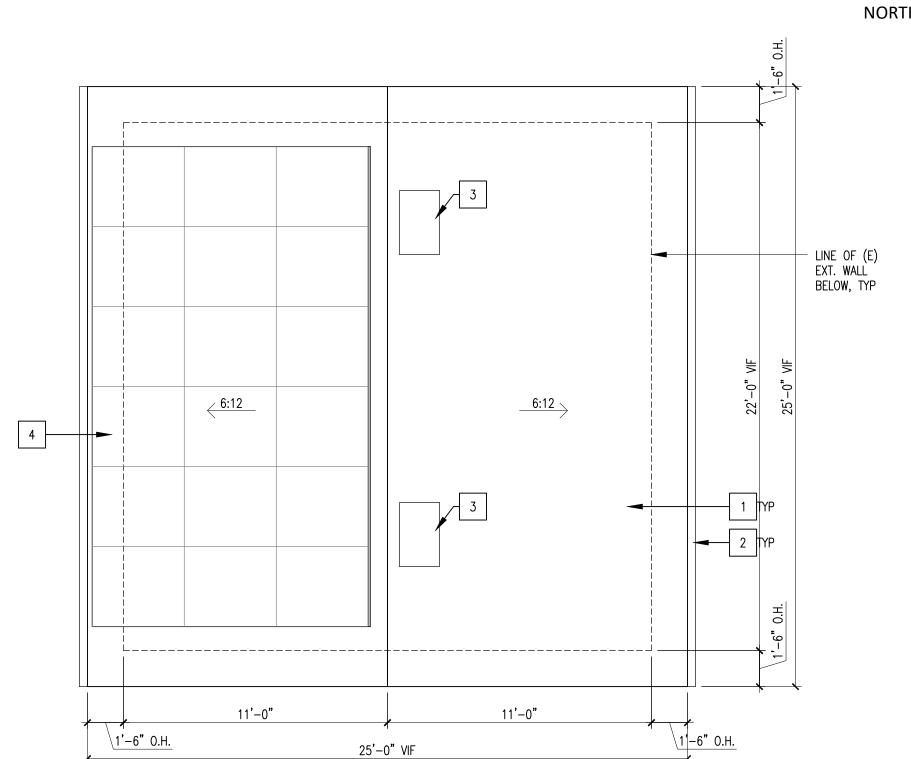


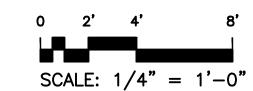
11.06.23 BUILDING PERMIT SUBMITTAL MARK DATE DESCRIPTION

CAD DWG FILE: 2312-A-102 ROOF PLAN - EXISTING AND PROPOSED.DWG

ROOF PLAN - EXISTING AND PROPOSED

A-102





ELECTRICAL NOTES RECEPTACLES IN ALL BEDROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, . ELECTRICAL, LIGHTING & MECHANICAL DEVICES SHOWN ON THE DRAWINGS 7.8. TWO 20-AMP GFCI PROTECTED CIRCUITS WILL BE PROVIDED IN THE KITCHEN LIBRARIES, DENS SUNROOMS, RECREATION ROOMS, CLOSETS, KITCHENS, INDICATES ARCHITECTURAL DESIGN INTENT ONLY. ELECTRICAL AND MECHANICAL COUNTER AND ISLAND OUTLETS PER 2022 CEC 210.52 (B), (1), (2) (3) LAUNDRY AREAS, HALLWAYS OR SIMILAR ROOMS OR AREAS WITH BRANCH SUBCONTRACTOR TO MEET WITH OWNER FOR FINAL APPROVAL AND/OR REVISIONS. CIRCUITS THAT SUPPLY 125 VOLT, SINGLE-PHASE, 15 AND 20-AMPERE ITEMS TO BE VERIFIED WITH OWNER: 7.9. THE COUNTER RECEPTACLES AT THE ISLAND WILL NOT BE LOCATED BELOW RECEPTACLE OUTLETS, AND BE READILY ACCESSIBLE PER 2022 CEC 210.12 THE COUNTER WHERE IT EXTENDS MORE THAN SIX INCHES PAST THE 2.1. PHONE & T.V. JACK LOCATIONS PRIOR TO INSTALLATION. VERIFY TYPE OF SMOKE ALARMS: CABINETS PER 2022 CEC 210-52(C) (5). CABLING AND NUMBER OF LINES. 5.1. ALARM SHALL COMPLY WITH CRC R314. 2.2. ALL ELECTRICAL FIXTURES AND APPLIANCES INCLUDING MAKE AND MODEL 7.10. DEDICATED CIRCUITS FOR THE DISHWASHER, GARBAGE DISPOSAL, AND 5.2. PROVIDE ALARMS WITHIN EACH SLEEPING ROOMS AND CENTRALLY LOCATED MICROWAVE PER 2022 CEC 210.23 A (1), (2) IN CORRIDOR OR AREA IN THE IMMEDIATE VICINITY TO BEDROOMS PER CRC 2.3. COMPLETE & OPERATING CENTRAL VACUUM SYSTEM WITH DEDICATED 7.11. ALL 15A AND 20A 125V RECEPTACLES SUPPLYING DISHWASHERS & ELECTRICAL CIRCUIT. GARBAGE DISPOSALS MUST BE READILY ACCESSIBLE AND GFCI PROTECTED 5.3. ALARM TO BE WIRED TO THE HOUSE PRIMARY WIRING AND SHALL HAVE 2.4. ROUGH WIRING, CONDUITS AND STUBB-OUTS FOR FURNITURE. LANDSCAPING PER 2022 CEC 210.8 (D). BATTERY BACKUP PER CRC R314.4. LIGHTING, SPA OR ENTRY GATE. PROVIDE SEPARATE ELECTRICAL CIRCUITS. 7.12. APPLIANCE RECEPTACLES FOR SPECIFIC APPLIANCES SHELL BE LOCATED 5.4. WHERE MORE THAN ONE ALARM IS REQUIRED, THEY SHALL BE WITHIN 6 FEET OF THE APPLIANCE PER 2022 CEC 210.50(C). 2.5. LOW VOLTAGE SWITCHING REQUIREMENTS. INTERCONNECTED SUCH THAT ACTIVATION OF ONE ALARM WILL ACTIVATE ALL 2.6. MOTION ACTIVATED EXTERIOR & SECURITY LIGHTING. ALARMS PER CRC R314.5 8. AT LEAST ONE (1) WALL SWITCH CONTROLLED LIGHTING OUTLET SHALL BE INSTALLED ON THE EXTERIOR SIDE OF OUTDOOR ENTRANCES OR EXITS, HALLWAYS, 2.7. SPECIAL REQUIREMENTS FOR ACCESS TO THE INTERNET. 6. CARBON MONOXIDE ALARMS: STAIRS, GARAGES, SPACES CONTAINING EQUIPMENT REQUIRING SERVICE (ATTIC & . ELECTRICAL LIGHTING: 6.1. ALARMS SHALL COMPLY WITH CRC R314. UNDERFLOOR SPACES) AND UTILITY ROOMS PER 2022 CEC 210.70(2). 3.1. LIGHTS IN CLOSETS SHALL BE INSTALLED PER 2022 CEC 410.16. 6.2. PROVIDE ALARMS IN DWELLING UNITS AND SLEEPING UNITS WITHIN WHICH 9. AT LEAST ONE (1) WALL SWITCH CONTROLLED LIGHTING OUTLET SHALL BE FUEL BURNING APPLIANCES ARE INSTALLED; AND IN DWELLING UNITS WITH 3.2. ALL RECESSED FIXTURES IN CEILINGS THAT ARE TO BE INSULATED MUST BE INSTALLED IN EVERY HABITABLE ROOM AND BATHROOM PER 2022 CEC ATTACHED GARAGES PER CRC R315.3. IC TYPE FIXTURE PER 2022 CEC 410.116(A). 210.70(A)(1). 6.3. ALARMS TO BE WIRED TO THE HOUSE PRIMARY WIRING AND SHALL HAVE 3.3. IN BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS, AT LEAST BATTERY BACKUP PER CRC R315.2.4. 10. PROVIDE FUSED DISCONNECT AT ALL EXTERIOR MOUNTED AIR-CONDITIONING ONE LUMINAIRE IN EACH OF THESE SPACES SHALL BE CONTROLLED BY AN CONDENSING UNITS PER 2022 CEC 440.52(B), 440.53 & 440.54. 6.4. WHERE MORE THAN ONE ALARM IS REQUIRED, THEY SHALL BE OCCUPANT OR VACANCY SENSOR PROVIDING AUTOMATIC-OFF FUNCTIONALITY. INTERCONNECTED SUCH THAT ACTIVATION OF ONE ALARM WILL ACTIVATE ALL IF AN OCCUPANT SENSOR IS INSTALLED, IT SHALL BE INITIALLY 11. ELECTRICAL GROUNDING AND BONDING SHALL COMPLY WITH CEC ARTICLE 250. ALARMS PER CRC R315.1.3. CONFIGURED TO MANUAL-ON OPERATION USING THE MANUAL CONTROL 12. SPAS, HOT TUBS AND HYDROMASSAGE BATHTUBS SHALL COMPLY WITH CEC REQUIRED UNDER SECTION 150.0(K)2C, 2022 BUILDING ENERGY EFFICIENCY 7. KITCHENS, BATHS AND LAUNDRIES: 680-40: STANDARDS. 7.1. ALL GENERAL-PURPOSE LIGHTING IN KITCHENS AND BATHS TO HAVE AN 12.1. PROVIDE CLEARLY LABELED EMERGENCY SHUTOFF OR CONTROL READILY I. ELECTRICAL OUTLETS: EFFICIENCY RATING OF COMPLYING WITH ALL CALIFORNIA ENERGY CODE AVAILABLE TO THE USERS & NOT LESS THAN 5 FEET AWAY, ADJACENT TO, 4.1. ALL OUTLETS SHALL BE MOUNTED AT 18" ABOVE FINISHED FLOOR UNLESS AND WITHIN SIGHT OF THE SPA OR HOT TUB PER 2022 CEC 680.41. OTHERWISE NOTED. 7.2. ALL KITCHEN AND BATH LIGHTING FIXTURES SHALL COMPLY WITH CEC 12.2. AT LEAST ONE 125 VOLT, 15 OR 20 AMP RECEPTACLE NOT LESS THAN 6 4.2. PROVIDE WATERPROOF OUTLET COVERS ON ALL OUTSIDE RECEPTACLES PER ARTICLE 410 AND CALIFORNIA ENERGY CODE (SUB CHAPTER 7 & 8) FEET AND NOT EXCEEDING 10 FEET FROM THE INSIDE WALL OF THE SPA OR HOT TUB AND BE PROTECTED BY A GROUND FAULT CIRCUIT 2022 CEC 410-57(B) AND CBC 210.50(E). REQUIREMENTS FOR TYPE, SIZE AND LOCATIONS. INTERRUPTER PER 2022 CEC 680.43(A). 7.3. LIGHTS OVER SHOWERS AND TUBS MUST BE LABELED "SUITABLE FOR DAMP 4.3. PROVIDE GROUND-FAULT CIRCUIT-INTERRUPTER (GFIC) OUTLETS IN ALL 12.3. LUMINAIRES, LIGHTING OUTLETS & CEILING SUSPENDED FANS LOCATED OVER KITCHENS, WET BARS, BATHROOMS, LAUNDRIES, ÙTILITY ROOMS, GARAGES. LOCATIONS" PER 2022 CEC 410.10(A) AND BE LOCATED PER 2022 CEC THE SPA OR HOT TUB OR WITHIN 5 FEET FROM THE INSIDE WALL OF THE 410.10(D). EXTERIOR LOCATIONS, CRAWL SPACES, UNFINISHED BASEMENTS PER 2022 SPA OR HOT TUB SHALL COMPLY WITH THE CLEARANCES SPECIFIED IN CEC CEC 210.8(A). 7.4. PROVIDE SEPARATE 20 AMP CIRCUIT MINIMUM ONE (1) FOR LAUNDRY 680.43(B)(1)(A), 680.43(B)(1)(B) AND 680.43(B)(1)(C). 4.4. PROVIDE ARC-FAULT CIRCUIT-INTERRUPTER (AFIC) OUTLETS IN ALL FAMILY APPLIANCES PER 2022 CEC 210.11(C)(3) & 210.52(F). 12.4. BONDING AND GROUNDING SHALL COMPLY WITH CEC 680.42(B), 680.43(D) ROOMS, DINING ROOMS, LIVING ROOMS, LIBRARIES, DENS, BEDROOMS, 7.5. PROVIDE MINIMUM OF TWO (2) BRANCH CIRCUITS FOR SMALL APPLIANCES & (E). RECREATION ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS AND LOCATE PER 2022 CEC 210.11(C)(1) & 210.52(B). PER 2022 CEC 210.12(B). 12.5. HYDROMASSAGE BATHTUBS AND THEIR ASSOCIATED ELECTRICAL COMPONENTS 7.6. PROVIDE SEPARATE 20 AMP CIRCUIT MINIMUM ONE (1) FOR BATHROOMS SHALL BE SUPPLIED BY A CIRCUIT PROTECTED BY A GROUND FAULT 4.5. OUTLETS ALONG HOUSE/GARAGE COMMON WALLS SHALL BE MOUNTED IN PER 2022 CEC 210.11(C)(3). CIRCUIT INTERRUPTER PER 2022 CEC 680.44. THE GARAGE AT 18" ABOVE FINISH SLAB AND SEPARATED BY MINIMUM ONE 12.6. WALL SWITCHES SHALL BE LOCATED AT LEAST 5 FEET FROM WATER SOURCE STUD BAY WITH OUTLETS ON THE OPPOSITE SITE. 7.7. AT LEAST ONE (1) RECEPTACLE SHALL BE INSTALLED IN BATHROOMS WITHIN PER 2022 CEC 680.43(C). 3 FEET OF THE OUTSIDE EDGE OF EACH BASIN PER 2022 CEC 210.52(D). 4.6. COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER SHALL PROTECT ALL LIGHTING FIXTURE SCHEDULE WATTS/ NAME / TYPE | LOCATION LAMP DESCRIPTION QTY. REMARKS CATALOG NO. LEGEND VOLTS RL 4 IN. WHITE INTEGRATED LED RECESSED KITCHEN, DINING, FAMILY, IC/AT RATED. HIGH-EFFICACY LIGHT FIXTURE TO COMPLY W/ 2022 CEC CEILING LIGHT FIXTURE RETROFIT BAFFLE HALO RL460WH930-H995ICAT LED 8W/120V MASTER BEDROOM, BATHROOMS SECTION 150.0(K)1A, TABLE 150-A TRIM WITH 90 CRI, 3000K. DIMMER CEILING MOUNT INTERIOR PENDANT — LED HIGH-EFFICACY LIGHT FIXTURE TO COMPLY W/ 2022 CEC SECTION $\langle B1 \rangle$ 100W/120V DINING BULB(S) 150.0(K)1A, TABLE 150-A HIGH-EFFICACY LIGHT FIXTURE TO COMPLY W/ 2022 CEC SECTION $\langle D1 \rangle$ BATHROOM WALL SCONCE. LED. DIMMER BATHROOMS LED 25W/120V TBD 150.0(K)1A, TABLE 150-A HIGH-EFFICACY LIGHT FIXTURE TO COMPLY W/ 2022 CEC SECTION INTEGRATED LED 2700K, LUNA STEP LIGHT | HINKLEY 3.8W $\langle D2 \rangle$ SKYLIGHT WELLS LED 12V HORIZONTAL LIGHTING 120V 150.0(K)1A, TABLE 150-A WHISPERGREEN MULTI-FLOW CEILING ENERGY STAR COMPLIANT, W/ HUMIDITY ⟨E⟩ | BATHROOMS PANASONIC | FV-0511VQC1 120V MOUNTED FAN, WHITE CONTROLS ADJUSTING FROM 50%- 80%. HIGH-EFFICACY LIGHT FIXTURE TO COMPLY W/ 2022 CEC SECTION G EXTERIOR WALLS LED EXTERIOR WALL SCONCE 150.0(K)1A, TABLE 150-A. MOTION CONTROL SENSOR AND PHOTO CONTROL DEVICE SHALL BE PROVIDED PER SECTION 150.0(K)3 RIBBON FLEX HOME LED TAPE LIGHT KIT, 13 HIGH-EFFICACY LIGHT FIXTURE TO COMPLY W/ 2022 CEC SECTION KITCHEN (UNDER CABINET), $\langle H \rangle$ 16 FT, AC DIMMABLE W/ REMOTE LED 12ÓV LF | 150.0(K)1A, TABLE 150-A LIGHTING TRANSFORMER, DIFFUSER CHANNEL MOUNT NEST PROTECT WIRED SMOKE AND CARBON GOOGLE BEDROOMS, HALLWAY HARDWIRED MONOXIDE DETECTOR GENERAL NOTES LEGEND (E) WALL FIELD VERIFY ALL DIMENSIONS & SITE CONDITIONS PRIOR TO COMMENCING WORK. 2. CONSTRUCTION JOINTS AND CONSTRUCTION VOID AROUND WIRES, PIPES, HVAC DUCTS, PENETRATIONS AT (N) WALL 1H-RATED WALL ASSEMBLY SHALL BE PROPERLY SEALED WITH FIRE-RATED CAULK/SEALANT. 3. ALL DIMENSIONS TO CENTERLINE OF FIXTURE, UNO. 4. ALLOW EXTRA WIRE FOR ALL CEILING MOUNTED FIXTURES SO THAT FIELD ADJUSTMENTS CAN BE MADE WHEN FURNITURE AND MILLWORK IS INSTALLED. 5. ALL FIXTURES SHALL BE UL LISTED. 6. PROVIDE DIMMER ON ALL LIGHT FIXTURES W/EXCEPTION OF STORAGE, MECHANICAL ROOM.

. THE CONTRACTOR SHALL COORDINATE WITH WORK OF ALL TRADES TO MAINTAIN SCHEDULED CEILING HEIGHTS

B. ALL CEILING SUSPENSION SYSTEMS SHALL INCLUDE ANY AND ALL SEISMIC BRACING, COMPRESSION STRUTS, AND SAFETY REINFORCEMENT CONSISTENT WITH LOCAL, STATE AND FEDERAL STANDARDS MANDATED BY BUT

AND REQUIRED CLEARANCES FOR ALL FIXTURES, DUCTS, SUSPENSION SYSTECS, PIPING, ETC.

9. FINISHED CEILINGS SHALL BE LEVEL WITH A TOLERANCE OF 1/8 INCH IN 12 FEET 0 INCHES.

10. SPRINKLER HEADS, LIGHT FIXTURES, AND OTHER CEILING ELEMENTS SHALL BE LOCATED IN CENTER OF

11. SPRINKLER HEADS, LIGHT FIXTURES, AND OTHER CEILING ELEMENTS WHICH CONFLICT WITH CEILING GRID

12. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE MOUNTING AND SUSPENSION DETAILS, AS MAY BE

15. PROVIDE CEILING ACCESS AS INDICATED AND/OR AS REQUIRED FOR EQUIPMENT MAINTENANCE. VERIFY

16. ALL SPRINKLER HEADS TO BE SEMI-RECESSED AT ALL SUSPENDED ACOUSTAL CEILINGS. ALL SPRINKLER

MANUFACTURER'S RECOMMENDATIONS. ACCESS LOCATIONS OTHER THAN AS SHOWN ON THE DRAWINGS SHALL

NOT LIMITED TO THOSE REGULATORS LISTED IN THE GENERAL NOTES.

CEILING, SOFFIT, BAY, INDIVIDUAL CEILING TILE OR CEILING GRID, UNO..

13. LIGHT SWITCHES AND COVER PLATES SHALL BE WHITE FINISH UNO.

HEADS TO BE CONCEALED AT ALL GYPSUM CEILINGS AND SOFFITS.

APPLICABLE.

LOCATIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR RESOLUTION.

14. MULTIPLE LIGHT SWITCHES SHALL HAVE SINGLE COVER PLATES WHERE POSSIBLE.

BE AS REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO EXECUTION.

	ΕL	ECTRICAL	SYM	BOLS		
IN		RECESSED INTERIOR CAN LIGHT - LED		UNDER CABINET LIGHT — LINEAR LED	₽	TV CABLE JACK
		RECESSED INTERIOR CAN LIGHT, DAMP LOCATION — LED	↔	LIGHT SWITCH, SINGLE POLE	®	DOOR BELL
	-	WALL MOUNT BATH VANITY SCONCE — LED BULB	⇔	LIGHT SWITCH, DIMMER	\bigcirc	THERMOSTAT
	ОН	WALL MOUNT EXTERIOR SCONCE - LED BULB	ų ⇔	LIGHT SWITCH, 3-POLE, DIMMER		SMOKE/CO2 DETECTOR/ALARM
		CEILING MOUNT INTERIOR PENDANT — LED BULB(S)	₩.	LIGHT SWITCH, 4-POLE, DIMMER		ELECTRIC MAIN PANEL
,	WP	CEILING MOUNT EXTERIOR PENDANT, DAMP LOCATION – LED BULB(S)	=	DUPLEX OUTLETS	G∨	GAS BIB
		CEILING MOUNT INTERIOR CHANDELIER — LED BULB(S)	⊕ =	QUADRUPLE OUTLETS	WV⊸H	HOT WATER BIB
	\$	BATH EXHAUST FAN	•	220V DUPLEX OUTLETS	WV-C	COLD WATER BIB
		STEP LIGHT - LED	•	CAT8 ETHERNET JACK	閚	HOSE BIB

HA NGUYEN + DESIGNS

501 Broadway #1081 Millbrae California 94030 415.754.3066

CONSULTANTS

lemm/

BUI RESIDENCE - ACCESSORY DWELLING UNI

1235 SCHOLL LN SANTA CRUZ, CALIFORNIA 95062 OWNER

> TRUNG BUI AND THANK KY 1235 Scholl Ln Santa Cruz, California 95062

RECPT. ABOVE KITCHEN SHALL BE PLACED HORIZONTALLY © 40" AFF, TYP. UNO.

SEE NOTE #3.3

PAGENTAL SEE NOTE #3.3

PAGENTAL SEE NOTE #3.3

PAGENTAL SEE NOTE #3.3

PAGENTAL SEE NOTE #3.3

PHOTO/MOTION

CONTROLS AT

MARK DATE DESCRIPTION

PROJECT NO: 2312

PROJECT NO: 2312

CAD DWG FILE: 2312-A-103 LIGHTING AND RECEPTACLE PLAN - PROPOSED.DWG

DRAWN BY:
CHK'D BY:
COPYRIGHT:

SHEET TITLE

LIGHTING AND RECEPTACLE PLAN - PROPOSED

A-103

0 2' 4' 8'

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

1 LIGHTING AND RECEPTACLE PLAN - PROPOSED

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501 Broadway #1081 Millbrae California 94030 415.754.3066

CONSULTANTS

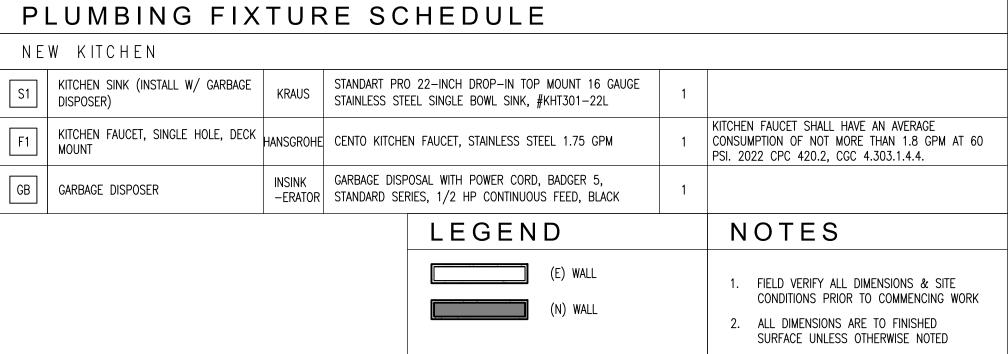
OWNER

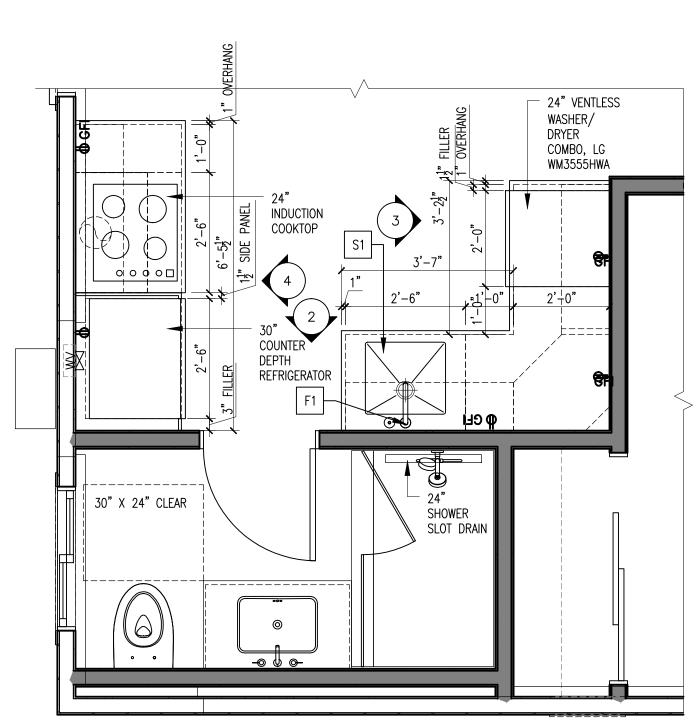


BUI RESIDENCE - ACCESSORY DWELLING UNIT

1235 SCHOLL LN SANTA CRUZ, CALIFORNIA 95062

TRUNG BUI AND THANK KY 1235 Scholl Ln Santa Cruz, California 95062





	LEGEND	NOIES
	(E) WALL	FIELD VERIFY ALL DIMI CONDITIONS PRIOR TO ALL DIMENSIONS ARE SURFACE UNLESS OTH
SIDE PANEL SIDE PANEL 32," 1. OVERHANG SIDE PANEL 1. OVERHANG	24" VENTLESS WASHER/ DRYER COMBO, LG WM3555HWA	
	2'+0" 2'+0"	

	11.06.23	BUILDING PERMIT SUBMITTAL
MARK	DATE	DESCRIPTION
PROJEC	CT NO:	2312
CAD DV	WG FILE:	2312—A—104 ENLARGED KITCHEN PLAN AND WALL ELEVATIONS.DWG
DRAWN	BY·	_

CAD DWG FILE: ELEVATIONS.DW

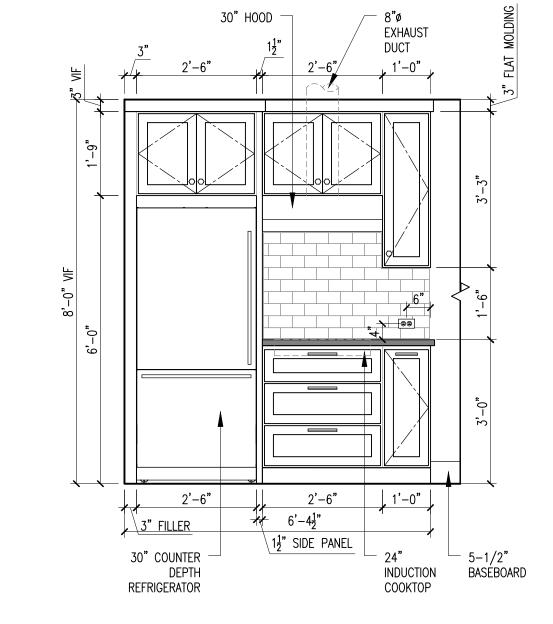
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SHEET TITLE

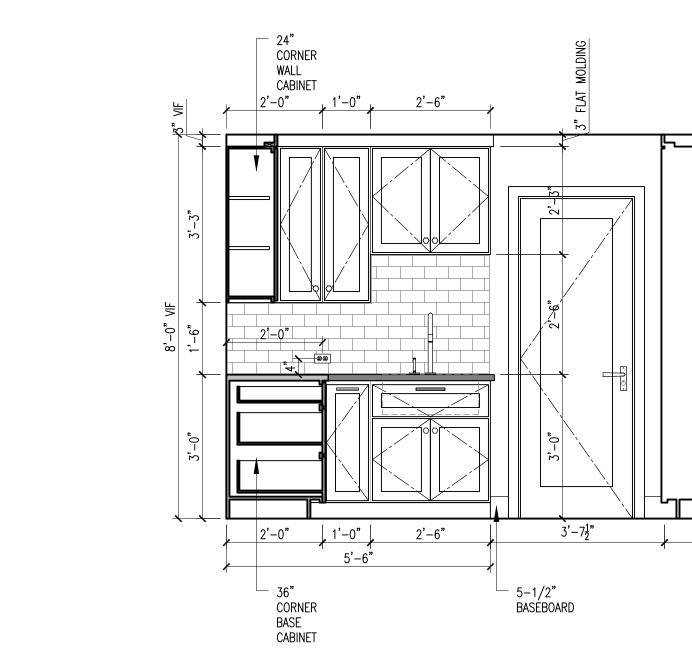
ENLARGED KITCHEN PLAN AND WALL ELEVATIONS

0 1' 2' 4'

SCALE: 1/2" = 1'-0" SHEET - OF



4 KITCHEN WALL ELEVATION 03



24" VENTLESS
WASHER/ DRYER
COMBO, LG
WM3555HWA

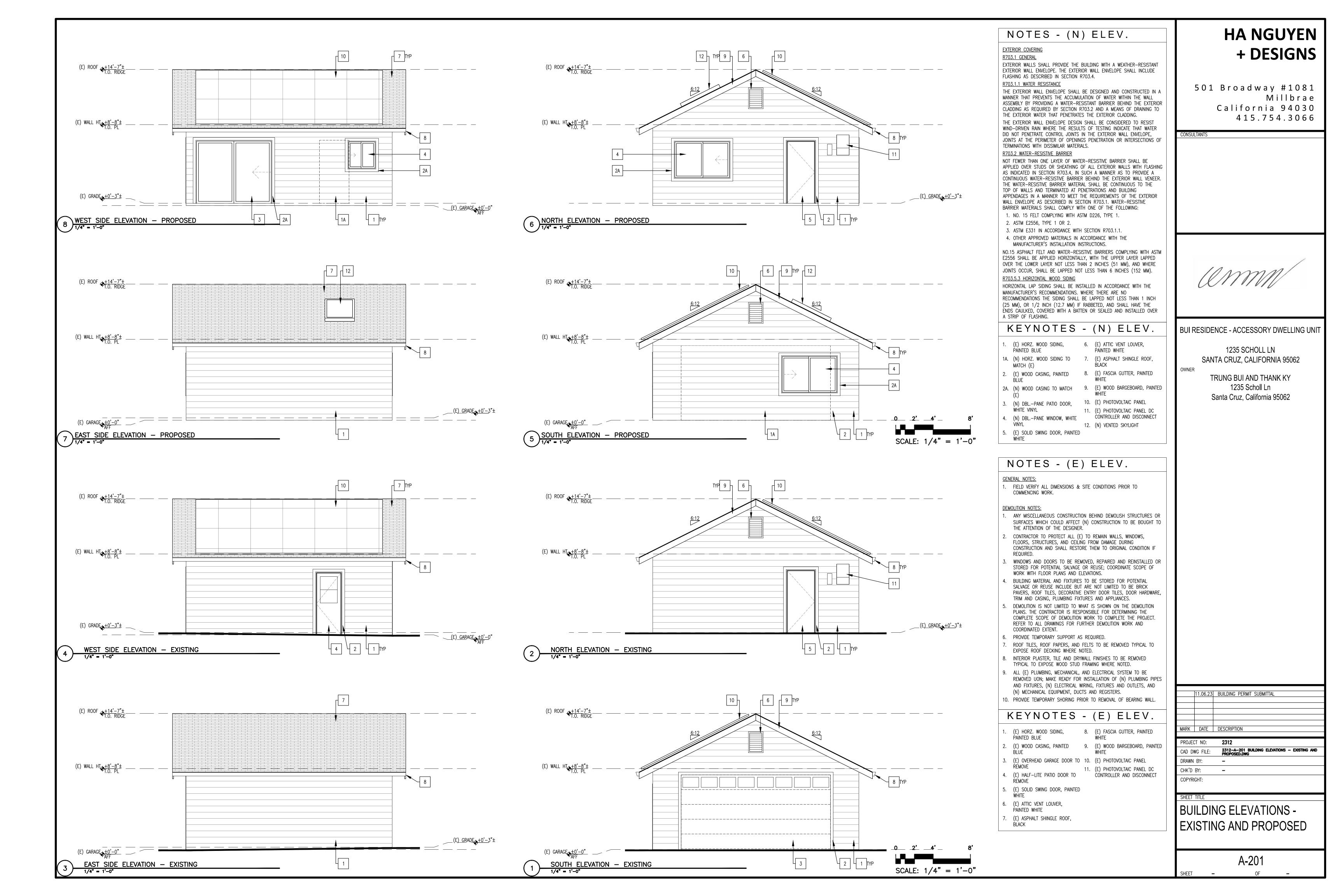
 $3 \frac{\text{KITCHEN WALL ELEVATION 02}}{1/2" = 1'-0"}$

CABINET

2 KITCHEN WALL ELEVATION 01

1 KITCHEN ENLARGED PLAN
1/2" = 1'-0"

PLAN



HA NGUYEN + DESIGNS 501 Broadway #1081 . Millbrae California 94030 415.754.3066 BUI RESIDENCE - ACCESSORY DWELLING UNIT 1235 SCHOLL LN SANTA CRUZ, CALIFORNIA 95062 TRUNG BUI AND THANK KY 1235 Scholl Ln Santa Cruz, California 95062 WOOD SHEATHING, S.S.D. ROUGH OPENING-COORDINATE DIMS. W/WINDOW MFR. -STEP 1 STEP 2 STEP 3 STEP 4 A INSTALL 12" WIDE STRIP OF SHEET MEMBRANE @ HEAD— OVER HEAD FLASHING & NAILING FIN; 12" BEYOND SIDES OF ROUGH OPENING. (A) INSTALL BLDG. PAPER @ JAMBS OVER WINDOW NAILING FIN. (A) INSTALL BLDG. PAPER @ SILL (A) INSTALL 12" WIDE STRIP OF SHEET MEMBRANE @ JAMBS - 12" BEYOND TOP & BOTTOM OF ROUGH OPENING (B) INSTALL SHEET MEMBRANE @ SILL FROM INSIDE EDGE OF ROUGH OPENING TO 12" UP JAMB & 12" BEYOND OUTSIDE EDGE OF ROUGH OPENING B SET FLANGE IN SEALANT & INSTALL WINDOW. B) INSTALL BLDG. PAPER @ HEAD WINDOW FLASHING INSTALLATION SEQUENCE N.T.S. WOOD FRAMING, TYP. 11.06.23 BUILDING PERMIT SUBMITTAL ROUGH OPENING-COORDINATE DIMS. W/DOOR MFR. — MARK DATE DESCRIPTION PROJECT NO: 2312 CAD DWG FILE: 2312-A-501 DETAILS.DWG WALKING SURFACE PER LANDSCAPE ARCHITECT 'Z' FLASHING DETAIL scale: 1/2"=1'-0" PAN FLASHING DETAIL scale: 1/2"=1'-0" DRAWN BY: CHK'D BY: COPYRIGHT: (A) INSTALL 12" WIDE STRIP OF SHEET MEMBRANE @ JAMBS-12" BEYOND TOP OF OPENING & WRAP AROUND TO INSIDE FACE OF STUD A INSTALL 12" WIDE STRIP OF SHEET MEMBRANE @ HEAD — OVERLAP 'Z' FLASHING & EXTEND 12" BEYOND SIDES OF ROUGH OPENING (A) INSTALL GYP. AND/OR PLYWD. SHEATHING A INSTALL 24 GA. G.S.M. 'Z' FLASHING— SEE DETAIL DETAILS B INSTALL SHEET MEMBRANE FLASHING B INSTALL DOOR, DOOR FRAME & THRESHOLD B INSTALL BLDG. PAPER @ HEAD © INSTALL 24 GA. G.S.M. PAN FLASHING- SEE DETAIL © INSTALL BLDG. PAPER @ JAMBS CONC. SLAB- S.S.D. A-501 1 EXTERIOR DOOR FLASHING INSTALLATION SEQUENCE N.T.S.

	NAILING SCHEDULE (CBC TABLE 2304.10.1)	
	CONNECTION	NAILING
1	JOIST TO SILL OR GIRDER, TOENAIL	3-8d
2	BRIDGING TO JOISTS, TOE NAIL EACH END	2-8d
6	SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS	16d AT 16" O.C 3-16d PER 16
7	TOP PLATE TO STUD, END NAIL	2-16d
8	STUD TO SOLE PLATE	4-8d (TOENAIL 2-16d (END NA 2-20d TO 3X
9	DOUBLE STUDS, FACE NAIL	16d AT 24" O.0
10	DOUBLED TOP PLATES, FACE NAIL DOUBLE TOP PLATES, LAP SPLICE (EXCEPT SHEAR WALLS)	16d AT 16" O.C 8-16d
11	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	3-8d
12	RIM JOIST TO TOP PLATE, TOENAIL	8d AT 6" O.C.
13	TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2-16d
15	CEILING JOISTS TO PLATE, TOE NAIL	3-8d
16	CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
17	CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-16d
18	CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
19	RAFTER TO PLATE, TOENAIL	3-8d
23	BUILT-UP CORNER STUDS	16d AT 24" O.0
24	BUILT-UP GIRDER AND BEAMS	20d AT 32" O.0 AT TOP AND BOTT STAGGERED C OPPOSITE SIDE
	BULT-UP GIRDER AND BEAM ENDS AND SPLICE, FACE NAIL	3-10d
25	2" PLANKS AT EACH BEARING	16d
26	COLLAR TIE TO RAFTER, FACE NAIL	3-10d
27	JACK RAFTER TO HIP, TOENAIL FACE NAIL	3-10d 2-16d
28	ROOF RAFTER TO 2X RIDGE BEAM, TOENAIL END NAIL	2-16d
29	JOIST TO BAND JOIST, FACE NAIL	3-16d

MATERIAL LEGEND	
	CONCRETE FOUNDATION
	WALL ABOVE
	WALL BELOW
#>FT ^{IN}	WOOD SHEAR WALL, MIN OUT-OUT LENGTH
HX/	TIEDOWN
#FT ^{IN}	PERFORATED WOOD SHEAR WALL WITH STRAPS
	SHEAR WALL BELOW
	STRAP
	WOOD BEAM, FLUSH U.O.N.
□ - —€□	HEADER OR DROPPED BEAM
	RAFTER OR JOIST
	WOOD POST ABOVE OR DBL STUD, UON
	WOOD POST BELOW OR DBL STUD, UON
	WOOD POST ABV & BLW OR DBL STUD, UON

ALVANIZED	AB ABV ADH ALT	ANCHOR BOLT ABOVE ADHESIVE
ALVANIZED	ABV ADH	ABOVE
	ADH	
		ADHESIVE
	ALT	
	/ \L I	ALTERNATE
	@	AT_ON CENTER
CTURAL STEEL	BLW	BELOW
	BLK	BLOCK
	BLKG	BLOCKING
	ВМ	BEAM
NEER LUMBER	B.O.	BOTTOM OF
	BOTT	BOTTOM
	C.I.P.	CAST IN PLACE
	CL	CENTERLINE
ACT	CLG	CEILING
	CLR	CLEAR
	COL	COLUMN
	CONC	CONCRETE
D	CONN	CONNECTION
	CONSTR	CONSTRUCTION
	CONT	CONTINUOUS
FASTENER	CP	COMPLETE PENETRATION
R	CTR	CENTER
	DBL	DOUBLE
	DET	DETAIL
	DF	DOUGLAS FIR
ND LUMBER	DIA	DIAMETER
ATED	DIM	DIMENSION
	(E)	EXISTING
	EA	EACH
	EF	EACH FACE
lG	EL	ELEVATION
URAL DRAWINGS	EMBED	EMBEDMENT
	EN	EDGE NAIL
	EW	EACH WAY
	NEER LUMBER ACT FASTENER R ND LUMBER ATED	BLK BLKG BM NEER LUMBER B.O. BOTT C.I.P. CL CLR COL CONC CONC CONSTR CONSTR CONT FASTENER COT DF ND LUMBER ATED DF ND LUMBER ATED DIM (E) EA EF NG TURAL DRAWINGS EMBED EN

SLAB ON GRADE

TOP AND BOTTOM

TONGUE AND GROOVE

UNLESS OTHERWISE NOTED

SQUARE

STANDARD

TOE NAIL

TOP OF

TYPICAL

VERTICAL

WATER PROOFING

STD

T & B

T & G

TN

T.O.

TYP

U.O.N.

VERT

EXTERIOR

FIN FLR, F.F. FINISHED FLOOR

FLOOR

FACE OF

FRAMING

FAR SIDE

FOOTING

GALVINIZED

GAGE

GRADE

GLULAM

FNDN

FLR

F.O.

FS

FTG

GA, ga

GALV

GR

GL

FRMG

FOUNDATION

SHEET INDEX

- S0.1 COVER PAGE
- S0.2 GENERAL NOTES
- S2.1 FRAMING PLANS
- S5.1 FOUNDATION & TYPICAL CONCRETE DETAILS
- S8.1 WOOD SHEAR WALL DETAILS
- S8.2 WOOD LATERAL DETAILS
- S8.3 TYPICAL WOOD DETAILS
- TOTAL SHEETS 7

SCOPE

THE SCOPE OF WORK INCLUDES:

- 1. CONVERT AN APPROXIMATELY 480 SF DETACHED GARAGE (SEE BP 131712) TO AN ADU.
- -NEW FOUNDATION IS SHALLOW MATCHING EXISTING SYSTEM

COORDINATION

DETAILS SHOWN ARE TYPICAL, SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS. QUESTIONS OF IDENTIFICATION OF APPLICABLE DETAIL OR STRUCTURAL MEMBER SHALL BE BROUGHT TO THE ARCHITECT FOR RESOLUTION BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL COMPARE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AS TO LAYOUT, DETAILS, DIMENSIONS AND ELEVATIONS. ALL QUESTIONS, DISCREPANCIES AND CONFLICTS SHALL BE REPORTED TO THE ARCHITECT FOR ADJUSTMENT BEFORE PROCEEDING WITH WORK.

CONTRACTOR MEANS AND METHODS

M.A. ENGINEERING SHALL NOT SUPERVISE, DIRECT OR HAVE ANY CONTROL OVER THE CONTRACTOR'S WORK NOR HAVE ANY RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES SELECTED BY THE CONTRACTOR NOR FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR PROGRAMS IN CONNECTION WITH THE WORK. THESE RIGHTS AND RESPONSIBILITIES ARE SOLELY THOSE OF THE CONTRACTOR.

UNLESS OTHERWISE APPROVED BY THE ARCHITECT, THE CONTRACTOR SHALL INSTALL DOORS, WINDOWS, PARTITIONS AND FINISHES AFTER THE MAJORITY OF THE DEAD LOADS HAVE BEEN INSTALLED (I.E. STRUCTURAL FRAMING, ROOFING, HEAVY FINISHES, ETC.) IN ORDER TO LIMIT DAMAGE TO FINISHES, WINDOWS, DOORS AND PARTITIONS DUE TO DEAD LOAD DEFLECTIONS.

EXISTING CONDITIONS

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETERMINE ALL EXISTING CONDITIONS THAT MAY AFFECT ITS WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER UPON DISCOVERY OF ANY DISCREPANCIES, AMBIGUITIES OR ERRORS AND THE DISCOVERY OF EXISTING CONDITIONS NOT NOTED ON DRAWINGS, INCLUDING THOSE WHICH MAY BE HAZARDOUS TO HUMAN HEALTH. HAZARDS MAY INCLUDE BUT ARE NOT LIMITED TO TOXIC MATERIALS AND DECAYED OR BROKEN FRAMING MEMBERS.

CUTTING AND PATCHING

DO NOT CUT EXISTING OR NEW STRUCTURAL ELEMENTS EXCEPT AS SHOWN ON THE DRAWINGS UNLESS APPROVED BY THE ENGINEER. IN GENERAL USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING AND GRINDING, NOT HAMMERING AND CHOPPING. CUT HOLES AND SLOTS NEATLY TO MINIMUM SIZE REQUIRED AND WITH MINIMUM DISTURBANCE TO ADJACENT SURFACES.

RESTORE WORK WHICH HAS BEEN CUT, REMOVED OR DAMAGED BY ADJACENT WORK. REFINISH ENTIRE SURFACES AS NECESSARY TO PROVIDE AN EVEN FINISH TO MATCH ADJACENT FINISHES.

CONSTRUCTION PHASE SITE VISITS

M.A. ENGINEERING WILL PROVIDE CONSTRUCTION SITE VISITS AND OBSERVE THE PROGRESS AND QUALITY OF STRUCTURAL PORTIONS OF THE WORK. THESE VISITS AND OBSERVATIONS ARE NOT INTENDED TO BE AN EXHAUSTIVE CHECK OR DETAILED INSPECTION OF THE CONTRACTOR'S WORK, BUT RATHER TO ALLOW M.A. ENGINEERING TO BECOME GENERALLY FAMILIAR WITH THE WORK IN PROGRESS AND TO DETERMINE, IN GENERAL, IF THE WORK IS PROCEEDING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

THE GENERAL CONTRACTOR SHALL TAKE THE APPROPRIATE ACTION TO CORRECT PORTIONS OF THE WORK INDICATED AS BEING NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.

M.A. ENGINEERING SAN RAMON, CA 94583 650-759-8621

JOB 0268.00



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COVER PAGE

S0.1

ROOF SHEATHING

ROOF SHEATHING SHALL BE 7/16" APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16. LAY FACE GRAIN ACROSS RAFTERS, STAGGER SHEETS. PROVIDE 1/8" SPACING AT PANEL ENDS AND EDGES. NAIL SHEET EDGES WITH 10d@6", INTERMEDIATE MEMBERS 10d@12". SEE STRUCTURAL DRAWINGS FOR OTHER DETAILED OR NOTED SHEATHING NAILING. NO UNBLOCKED PANELS LESS THAN 12" WIDE SHALL BE USED.

FLOOR SHEATHING

FLOOR SHEATHING SHALL BE 23/32" APA RATED STURD-1-FLOOR, EXPOSURE 1, SPAN RATING 48/24 LAY FACE GRAIN ACROSS JOISTS, STAGGER SHEETS. PROVIDE 1/8" SPACING AT PANEL ENDS AND EDGES. ATTACH SHEATHING TO JOISTS AND BLOCKING WITH ADHESIVE IN ACCORDANCE WITH APA GLUED FLOOR SYSTEM. NAIL SHEET EDGES 10d@6", INTERMEDIATE JOISTS 10d@12". SEE STRUCTURAL DRAWINGS FOR OTHER DETAILED OR NOTED FLOOR NAILING.

WALL SHEATHING

WALL SHEATHING AT SHEAR WALLS, INDICATED ON DRAWINGS WITH APPROPRIATE SYMBOLS, SHALL CONFORM TO THE SHEAR WALL SCHEDULE. AT EXTERIOR WALLS THAT ARE NOT SHEAR WALLS, SHEATHING SHALL BE 15/32", APA RATED EXPOSURE 1, NAIL SHEET EDGES WITH 10d@6", AND INTERMEDIATE STUDS WITH 10d@12".

CONCRETE ANCHORS

INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ALTERNATES MAY BE SUBMITTED FOR CONSIDERATION IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

UNLESS NOTED OTHERWISE, BOLTS, ANCHOR RODS OR THREADED RODS SHALL BE AS SPECIFIED IN STRUCTURAL STEEL. REINFORCING BARS SHALL BE A-615, GRADE 60.

SCREW ANCHORS IN CONCRETE OR GROUTED MASONRY

SIMPSON STRONG-TIE TITEN HD SCREW ANCHORS CONFORMING TO ICC-ES REPORT ESR-2713.

ADHESIVE ANCHORS (DOWELS) IN CONCRETE

PER ACI 318-2014 (SECTION 17.1.2) ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. FOR INSTALLATIONS SOONER THAN 21 DAYS CONSULT ADHESIVE MANUFACTURER.

SIMPSON STRONG-TIE SET-XP ADHESIVE ANCHOR SYSTEM CONFORMING TO ICC REPORT ESR-2508.

SPECIAL INSPECTION AND TESTING

IN ACCORDANCE WITH CBC 2022, CHAPTER 17 THE OWNER OR OWNER'S AGENT SHALL ENGAGE A SPECIAL INSPECTOR TO PROVIDE SPECIAL INSPECTIONS. UNLESS OTHERWISE SPECIFICALLY INDICATED, M.A. ENGINEERING SHALL NOT PROVIDE SPECIAL INSPECTION. CONTRACTOR SHALL REVIEW THE SPECIAL INSPECTION REQUIREMENTS SHOWN ON THE CONTRACT DOCUMENTS AND/OR ON COMPLETED FORMS ISSUED BY THE BUILDING DEPARTMENT HAVING JURISDICTION OVER THE WORK AND SHALL NOTIFY TESTING AGENCIES AT LEAST 24 HOURS IN ADVANCE OF TIME WHEN WORK THAT REQUIRES TESTING OR INSPECTING WILL BE PERFORMED.

1. SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1701 OF CBC REQUIRED FOR BUT NOT

A. ADHESIVE ANCHORS SET IN CONCRETE - CONCRETE

STRUCTURAL OBSERVATION

THE OWNER SHALL EMPLOY THE ENGINEER RESPONSIBLE FOR THE STRUCTURAL DESIGN TO PERFORM STRUCTURAL OBSERVATION AS DEFINED IN CBC SECTION 1704.6. OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, CONTRACTOR AND THE BUILDING OFFICIAL THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFYING ANY REPORTED DEFICIENCIES WHICH, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED. STRUCTURAL OBSERVATION SHALL BE PERFORMED FOR THE FOLLOWING CONSTRUCTION STAGES:

A. PRIOR TO CONCRETE POUR(S)B. PRIOR TO COVER OF:1) WALL FRAMING SYSTEMS2) FLOOR FRAMING SYSTEMS

3) ROOF FRAMING SYSTEMS

MISCELLANEOUS STEEL

COMMON BOLTS SHALL CONFORM TO ASTM A307 USE UNLESS OTHERWISE SPECIFIED. ANCHOR RODS SHALL CONFORM TO ASTM F1554 GR. 36.
THREADED ROD SHALL CONFORM TO ASTM A36.

ROUGH CARPENTRY

MOISTURE CONTENT AND PROTECTION

MOISTURE CONTENT SHALL MEET THE FOLLOWING LIMITS: "DRY" FOR VERTICAL FRAMING (19% MAXIMUM). FINISHES SHALL NOT BE INSTALLED OVER DIMENSIONAL LUMBER FRAMING UNTIL MOISTURE CONTENT IS BELOW 12% MAXIMUM.

MATERIALS SHALL BE PROPERLY STORED ON THE JOB SITE. MATERIALS SHALL BE STORED OFF OF THE GROUND, AND PROTECTED FROM EXPOSURE TO THE ELEMENTS.

PRESERVATIVE TREATMENT

FRAMING MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE, BUT NOT IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD U1 & T1, USE CATEGORY UC3B. FIELD CUTS AND HOLES SHALL BE FIELD TREATED IN ACCORDANCE WITH THE AWPA M-4.

DIMENSION LUMBER AND TIMBER

DIMENSIONAL LUMBER AND TIMBER SHALL CONFORM TO THE FOLLOWING WCLIB MINIMUM GRADES AND SHALL BE DOUGLAS FIR, UNLESS OTHERWISE NOTED.

JOISTS (2"-4", 5" AND WIDER) NO. 2 HEADERS (4" THICK, 5" AND WIDER) NO. 1 BEAMS (6" THICK, 10" AND WIDER) NO. 1 POSTS (6" THICK, 6"-8" WIDE) NO. 1 POSTS (4X4) NO. 1 MUD SILLS (3X) NO. 1, PRESSURE TREATED (DO NOT USE HEM-FIR) STUDS (2X, 3X) STUD TOP AND BOTTOM PLATES STUD

NO SUBSTITUTIONS SHALL BE MADE WITHOUT PRIOR APPROVAL.

PARALLAM PSL LUMBER (PSL)

PARALLAM PSL HEADERS AND BEAMS SHALL BE 2.2E, CONFORMING TO ICC-ES RESEARCH REPORT NO. ESR-1387, OR EQUAL AND SHALL HAVE DESIGN VALUES EQUAL TO OR EXCEEDING THE FOLLOWING:

BENDING (Fb):	2900 PSI
COMPRESSION PARALLEL TO THE GRAIN (Fc PARALLEL):	2900 PSI
MODULUS OF ELASTICITY (E):	2,200,000 PSI
HORIZONTAL SHEAR:	290 PSI

MICROLLAM LVL LUMBER (LVL)

MICROLAM LVL HEADERS AND BEAMS SHALL BE 2.0E, CONFORMING TO ICC-ES RESEARCH REPORT NO. ESR-1387, OR EQUAL AND SHALL HAVE DESIGN VALUES EQUAL TO OR EXCEEDING THE FOLLOWING:

BENDING (Fb):	2600 PSI
COMPRESSION PARALLEL TO THE GRAIN (Fc PARALLEL):	2510 PSI
MODULUS OF ELASTICITY (E):	2,000,000 PSI
HORIZONTAL SHEAR:	285 PSI

FASTENERS

FOR SCHEDULE OF MINIMUM NAILING SEE CALIFORNIA BUILDING CODE TABLE 2304.10.1. NAILING SHALL BE WITH COMMON WIRE NAILS UNLESS NOTED OTHERWISE. CONTRACTOR SHALL SUBMIT FOR APPROVAL A DESCRIPTION OF NAIL GAGE, LENGTH, HEAD TYPE AND COATING (IF ANY). BOLTS AND LAG SCREWS BEARING ON WOOD SHALL HAVE WASHERS.

METAL FRAMING ANCHORS SHALL BE MANUFACTURED BY SIMPSON COMPANY OR EQUAL. JOIST HANGERS SHALL BE "U" SERIES U.N.O. ON DRAWINGS. BOLTS IN CONNECTIONS SHALL BE RETIGHTENED JUST PRIOR TO CLOSING OF THE WALL AND/OR FLOOR.

FASTENERS FOR INTERIOR APPLICATIONS PENETRATING PRESSURE-TREATED LUMBER SHALL BE HOT DIPPED ZINC-COATING GALVANIZED WITH A MINIMUM G185 (1.85 OZ/ SF) COATING OR STAINLESS STEEL. FASTENERS EXPOSED TO WEATHER INCLUDING EXTERIOR APPLICATIONS OF PRESSURE-TREATED LUMBER, SHALL USE STAINLESS STEEL FASTENERS. FASTENERS EXPOSED TO WEATHER FOR ARCHITECTURAL FEATURES MAY ALSO BE SILICON BRONZE OR COPPER.

SILLS OR PLATES SHALL BE BOLTED TO CONCRETE WITH 5/8" DIAMETER BOLTS WITH 3X3X1/4" WASHERS, EMBEDDED 7" MINIMUM AT 4'-0" MAXIMUM ON CENTER, UON.

CODE AND STANDARDS

DESIGN IS BASED ON THE CALIFORNIA BUILDING CODE, 2022 EDITION. CONSTRUCTION SHALL CONFORM WITH APPLICABLE SECTIONS OF THIS CODE.

REFERENCE STANDARDS SHALL BE THE EDITION NOTED IN THE CODE, UNLESS OTHERWISE INDICATED.

OCCUPANCY CATEGORY II

LIVE LOADS

DESIGN LIVE LOADS PER CBC TABLE 1607.1 AND AS FOLLOWS. LIVE LOADS MAY BE REDUCED IN ACCORDANCE WITH CBC SECTION 1607.10.

ROOF LIVE 20 PSF (REDUCIBLE) FLOOR LIVE 40 PSF (REDUCIBLE)

EARTHQUAKE DESIGN DATA

SEISMIC FORCE-RESISTING SYSTEM:

le 1.0
Ss 1.666
S1 0.637
SITE CLASS D (DEFAULT)
Sds 1.333 (REDUCIBLE BY ASCE 7-16 12.8.1.3)
SEISMIC DESIGN CATEGORY D
Cs 0.1538 (SDS = 1.0 USED FOR BASE SHEAR CALCULATION)
R 6.5
ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE
REDUNDANCY FACTOR 1

WIND DESIGN DATA

BASE SHEAR:

BASIC WIND SPEED, V 92 MPH
IW 1.0
EXPOSURE B
ANALYSIS PROC. MWFRS ENCLOSED SIMPLE DIAPHRAGM LOW-RISE BUILDINGS

2 K

FOUNDATIONS

FOUNDATION DESIGN IS BASED ON MINIMUM ALLOWABLE SOIL-BEARING VALUES PER CBC 2022. SPREAD FOOTINGS BEAR ON UNDISTURBED SOIL, ENGINEERED FILL, OR ROCK. FOOTING DESIGN IS BASED ON A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF DEAD PLUS LIVE, AND 2000 PSF TOTAL LOADS, INCLUDING WIND OR SEISMIC.

EXCEPT WHERE OTHERWISE SHOWN, EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SITE AND SHAPE OF THE STRUCTURE. ALL FOUNDATIONS SHALL BE POURED WITH OUT THE USE OF SIDE-FORMS WHEREVER POSSIBLE. IF THE TRENCHES CAN NOT FULLY STAND, FULLY FORM SIDES TO DIMENSIONS SHOWN.

DO NOT ALLOW WATER TO STAND IN TRENCHES. IF BOTTOMS OF TRENCHES BECOMES SOFTENED DUE TO RAIN OR OTHER WATER BEFORE CONCRETE IS CAST, EXCAVATE SOFTENED MATERIAL AND REPLACE WITH PROPERLY COMPACTED BACKFILL OR CONCRETE.

SLABS ON GRADE SHALL BE SUPPORTED ON NATURAL GRADE OR COMPACTED STRUCTURAL FILL ACCORDING TO THE RECOMMENDATIONS OF THE SOILS REPORT.

WATERPROOFING

WHERE STRUCTURAL DETAILS INDICATE ANY WATERPROOFING OR VENTILATION ITEMS, THEY ARE SCHEMATIC ONLY AND FOR THE PURPOSE OF ASSISTING IN SHOWING A COMPLETE STRUCTURAL DETAIL. REFER ONLY TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR THE COMPLETE DESCRIPTION OF ALL REQUIRED WATERPROOFING AND VENTILATION SYSTEMS.

CONCRETE

CONCRETE SHALL BE NORMAL WEIGHT AND SHALL BE REINFORCED UNLESS OTHERWISE NOTED. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-16, SPECIFICATIONS FOR STRUCTURAL CONCRETE. CONCRETE SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH (F'c) OF 2500 PSI AT 28 DAYS UNLESS NOTED OTHERWISE.

REINFORCING STEEL

REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.

REINFORCING BARS NOTED OR SHOWN AS CONTINUOUS SHALL RUN IN AS LONG LENGTHS AS PRACTICAL. IN SLAB AND BEAMS LOCATE TOP BAR SPLICES MIDWAY BETWEEN SUPPORTS, BOTTOM BAR SPLICES AT SUPPORTS. SPLICE LOCATIONS SHALL BE SUBMITTED FOR REVIEW. THE FOLLOWING SPLICE LENGTHS APPLY UNLESS OTHERWISE DETAILED OR NOTED IN THE STRUCTURAL DRAWINGS.

WELDING OF REINFORCEMENT BARS SHALL COMPLY WITH AWS D1.4 STRUCTURAL WELDING CODE-REINFORCING STEEL. USE GRADE A706 UNLESS SHOWN OTHERWISE.

UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
CONCRETE EXPOSED TO EARTH OR WEATHER: 2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
SLABS AND WALLS: 1"
BEAMS AND COLUMNS: 1½"

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GENERAL NOTES

S0.2

FOUNDATION PLAN NOTES:

- SEE SHEET S0.1-S0.2 FOR STRUCTURAL NOTES.
 SEE SHEET S0.1 FOR SYMBOL LEGEND.
 SEE SHEET S5.1 FOR TYPICAL CONCRETE DETAILS.
 SEE SHEET S5.1 FOR FOUNDATION SCHED & DETAILS.
 SEE SHEET S8.1 FOR SHEAR WALL SCHEDULE.
 SEE SHEET S8.2 FOR TIEDOWN DETAILS.
- 2. TOP OF FOOTING SHALL BE AS INDICATED ON DETAILS.
- 3. SAD FOR DIMENSIONS, SLOPES, AND PADS NOTED ON PLAN.
- 4. CONTRACTOR TO FIELD-VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- 5. DIMENSIONS AND GRIDS TO FACE OR CENTERLINE OF STUDS UON.

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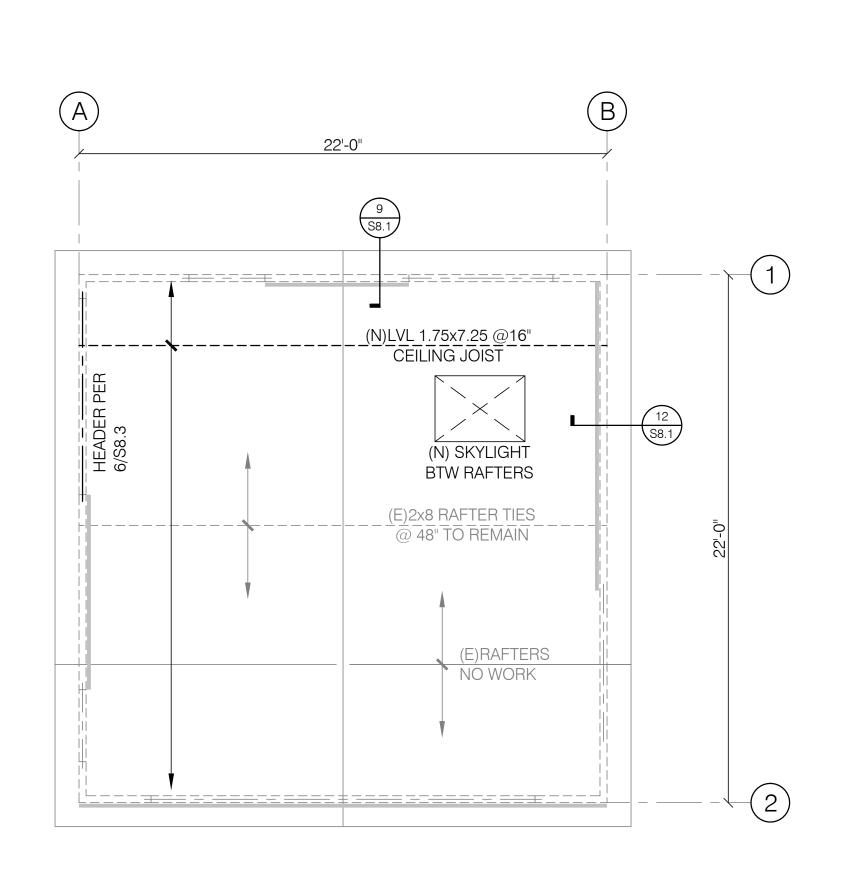
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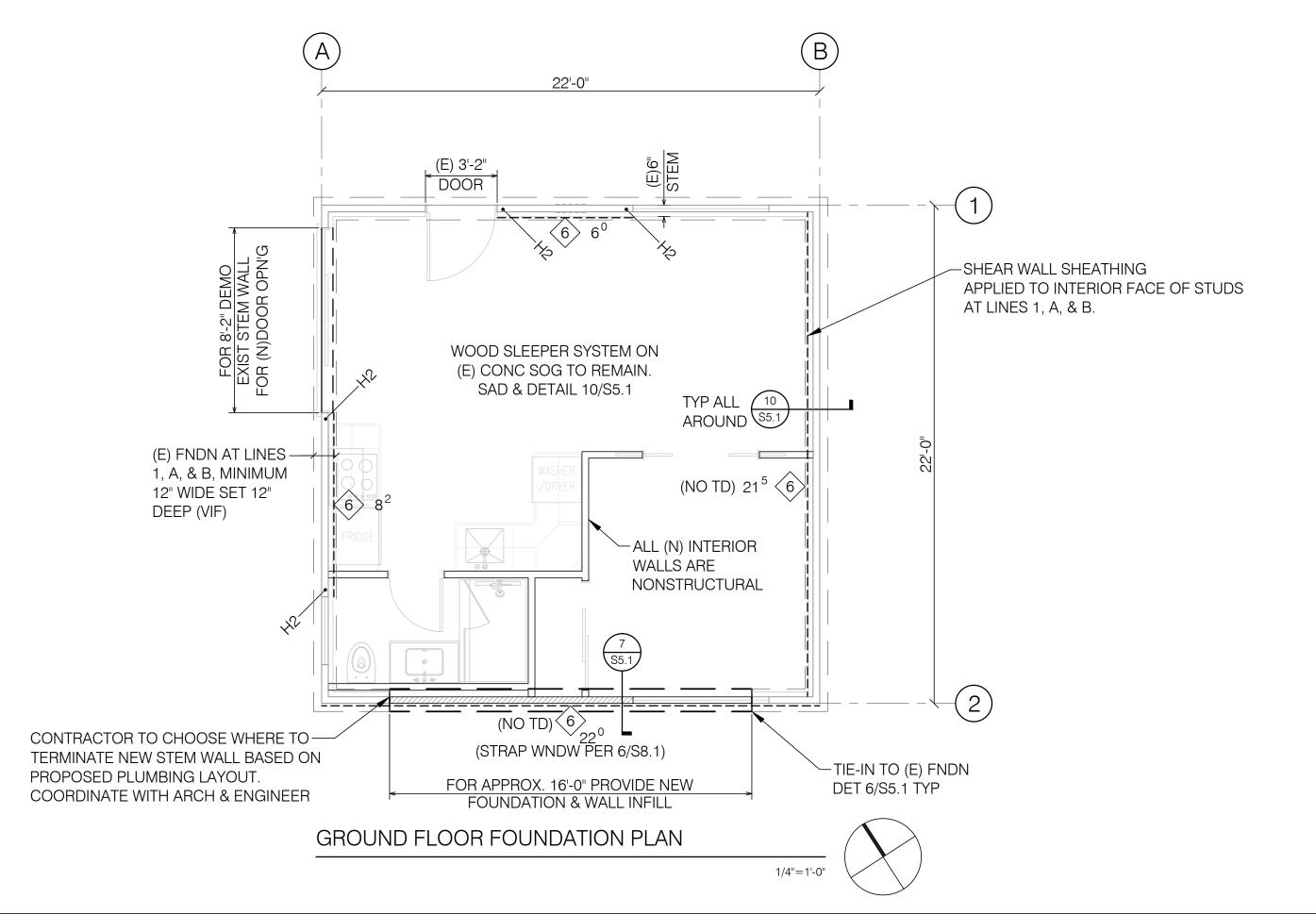
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FRAMING PLANS

S2.1





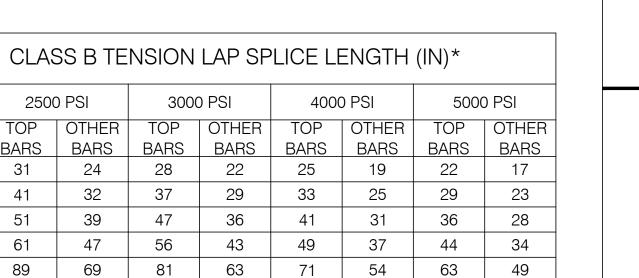
ROOF FRAMING PLAN

1/4"=1'-0"

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56

63

1"=1'-0"

*SEE GENERAL NOTES AND $\binom{2}{1}$ FOR ADDITIONAL INFORMATION

3000 PSI

22

29

43

63

72

28

37

47

56

81

93

105

4000 PSI

19

25

31

37

54

62

70

72

81

25

33

49

71

81

91

F'C

#4

#5

#6

#7

2500 PSI

41

51

61

89

102

115

TOP OTHER

32

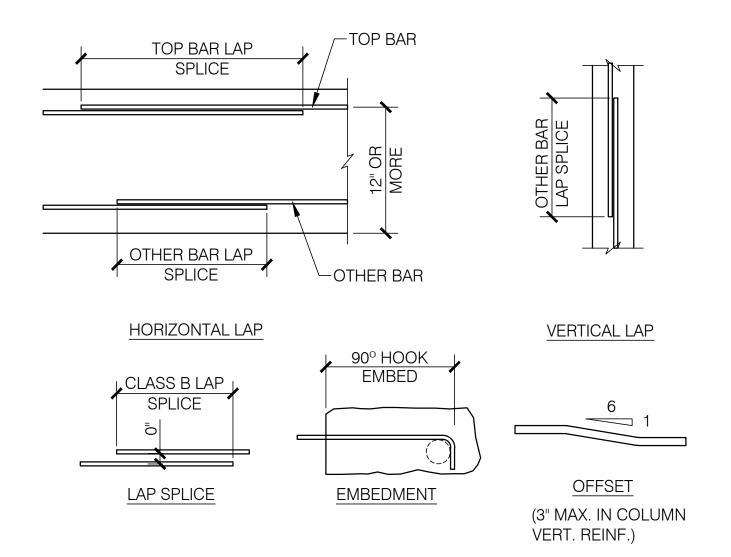
47

69

78

88





	2	TY	P REI	NFOF	RCEME	EΝΤ	ΓLAP S	PLICE		
	\S5.	S5.1 AND HOOK EMBED								
						l				
	Н	HOOK EXTENSIONS						HOOK EI	MBED L	ENG
	BAR	STAN	DARD		IP & TIE OKS		F'C	2500 PSI	3000 PSI	4000
]	SIZE	90°	180°	90°	135°		BAR SIZE	EMBED (IN)	(IN)	EMB (IN
	1	I	1	I	I	1	1	1 (11/11)	1 111311	1 (1131

Н	OOK I	EXTE	NSION	IS	STD	HOOK EI	MBED L	ENGTH	l (Ldh)
BAR	AR STANDARD STIRRUP & TIE		STIRRUP & TIE HOOKS		F'C	2500 PSI	3000 PSI		5000 PSI
SIZE	90°	180°	90°	135°	BAR SIZE	EMBED	EMBED	EMBED	EMBED
#3	4.5"	2.5"	2.25"	2.25"		(IN)	(IN)	(IN)	(IN)
#4	6"	2.5"	3"	3"	#3	9	9	8	7
	_			_	#4	12	11	10	9
#5	7.5"	2.5"	3.75"	3.75"					
#6	9"	3"	9"	4.5"	#5	15	14	12	11
#7	10.5"	3.5"	10.5"	5.25"	#6	18	17	15	13
#8	12"	4"	12"	6"	#7	21	20	17	15
#9	13.5"	4.5"	-	-	#8	24	22	19	17
#10	15"	5"	-	-	#9	27	25	22	20
#11	16.5"	5.5"	_	-					

#11 16.5" 5.5" -	-		_
		\Diamond /	> /
	=6d	90° BEND	135° BEND
#9, #10, #11: D	=8d		TOO BEIND
STIRRUP & TIE BEND DIAMETER	- . (_)		4
	=4d	\ /	12/24
NOTE: d=BAR DIAMETER			
D=INSIDE DIAMETER OF BEND		HOOK E	XTENSION
		180° BEN	ND_

STANDARD REINFORCING HOOKS EXTENSION, BEND DIA. & EMBEDMENT NTS

		NOTE: SURFACE OF JOINTS SHALL BE CLEANED AND LAITANCE REMOVED. ROUGHEN SURFACE TO FULL AMPLITUDE OF 1/4". IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, WET JOINT AND REMOVE STANDING WATER.
--	--	---

ROUGHENED CONSTRUCTION \S5.1_ N.T.S.

EPOXY SET W/ 6" EMBED FOR CLEANED #5 OR SMALLER, 9" FOR #8 OR SMALLER DOWELING TO EXISTING CONCRETE AT WALL OR FOOTING 1"=1'-0"

FOR SIZE

<u>PLAN</u>

ELEVATION

OPENING SEE PLAN

(N)DOWELS SIZED & LOCATED

2"Ø ELECTRICALLY DRILLED PILOT HOLE AT CORNERS

- SAW-CUT AFTER DRILLING

CORNER PILOT HOLES. DO

1"=1'-0"

– HORIZ EF

-VERT EF, SEE

LOCATIONEND

SECTIONS

FOR

CLASS B SPLICE, TYP

3" MAX

V_2 END BARS

-HOOK HORIZ BAR

NTS

IN VERT PLANE

<u>END</u>

• 1

INTERSECTION

DOUBLE CURTAIN OF REINFORCEMENT

NOT OVER RUN. CHIP AT

CORNER TO REWORK

CONCRETE.

TO MATCH HORIZ BARS IN

WALL & FOOTING, U.O.N. W/

(N) WALL OR (E) WALL OR

FOOTING

FOOTING

(E)SURFACE OF

ROUGHENED &

CONCRETE TO BE

(E) CONC WALL ─

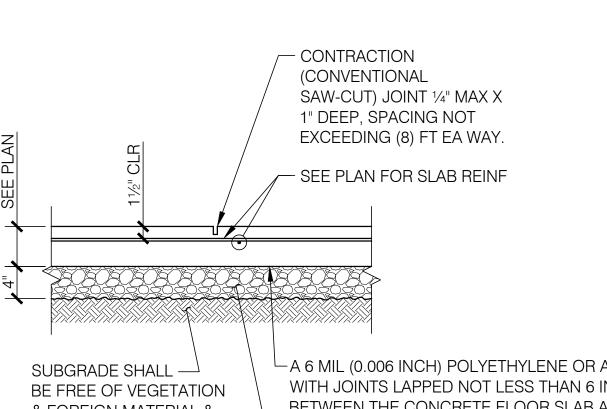
(E) CONC WALL —

−¾" CLR TO

TYP U.O.N.

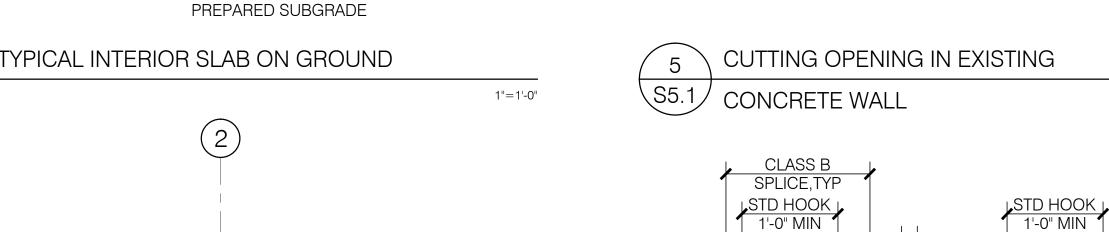
CORNER

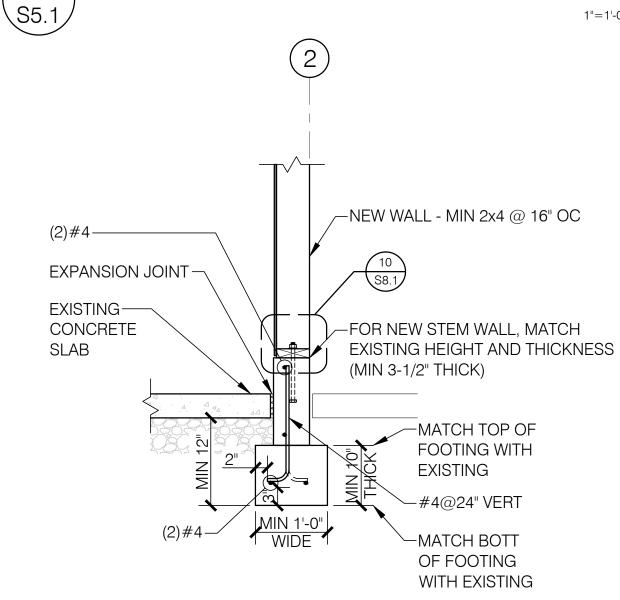
OUTERMOST BAR,



A 6 MIL (0.006 INCH) POLYETHYLENE OR APPROVED VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6 INCHES SHALL BE PLACED BETWEEN THE CONCRETE FLOOR SLAB AND THE BASE COURSE OR THE & FOREIGN MATERIAL & PREPARED SUBGRADE WHERE NO BASE COURSE EXISTS. COMPACTED TO ENSURE UNIFORM SUPPORT OF BASE COURSE CONSISTING OF CLEAN THE SLAB *

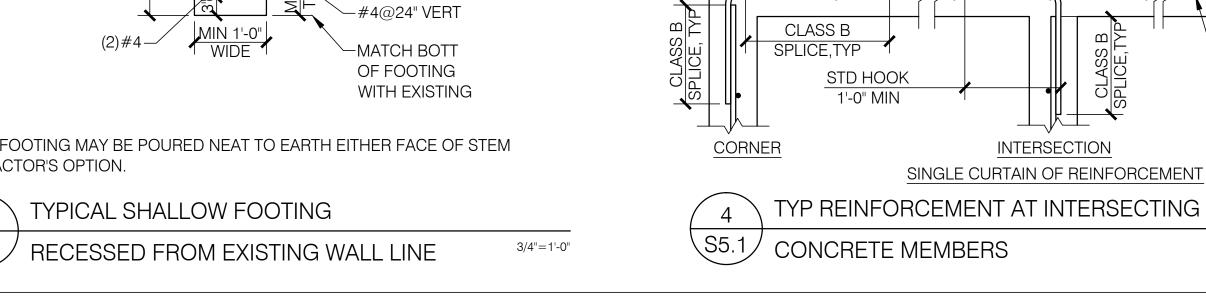
GRADED GRAVEL, CRUSHED STONE, CRUSHED CONCRETE PLACED OVER PREPARED SUBGRADE





NOTE: THE FOOTING MAY BE POURED NEAT TO EARTH EITHER FACE OF STEM AT CONTRACTOR'S OPTION.

7	TYPICAL SHALLOW FOOTING	
	RECESSED FROM EXISTING WALL LINE	3/4"=1'-



(WHEN REQUIRED) 10d SHORT @ 16"— -(E) CONC CÚRB PAF 1" PENETRATION (ALT. CONSTRUCTION ADHESIVE) (E) CONC SLAB--(E) CONC FNDN

1/2" GAP AT FLOATING SLEEPERS -

1/4" GAP WHEN FIXING SLEEPERS

PT 2x4 OR 3x4 SLEEPER AS

(CONTRACTOR CHOOSE ONE)

REQUIRED, FIXED TO OR

3/4" PLYWOOD SUBFLOOR-

FLOATING ON SLAB

MOISTURE BARRIER-PER LOCAL CODE

ALTERNATIVE SLEEPER NOTE:

RIPPED 2x SLEEPERS (UPRIGHT)

MAY BE SUBSTITUTED FOR THE

(CONTRACTOR CHOOSE ONE).

∕−(E) WALL

✓NEW PLYWD

FLATWISE SLEEPERS

NOTE: THE OVER BUILT WOOD FRAMEWORK SHOWN FOR THE FINISH FLOOR IS FOR PLANNING PURPOSES ONLY, ACTUAL IMPLEMENTATION WILL VARY DEPENDING ON FIELD AND LOCAL CODE REQUIREMENTS. COORDINATE THIS DETAIL WITH THE OWNER AND ARCHITECT/ DESIGNER AS REQUIRED.

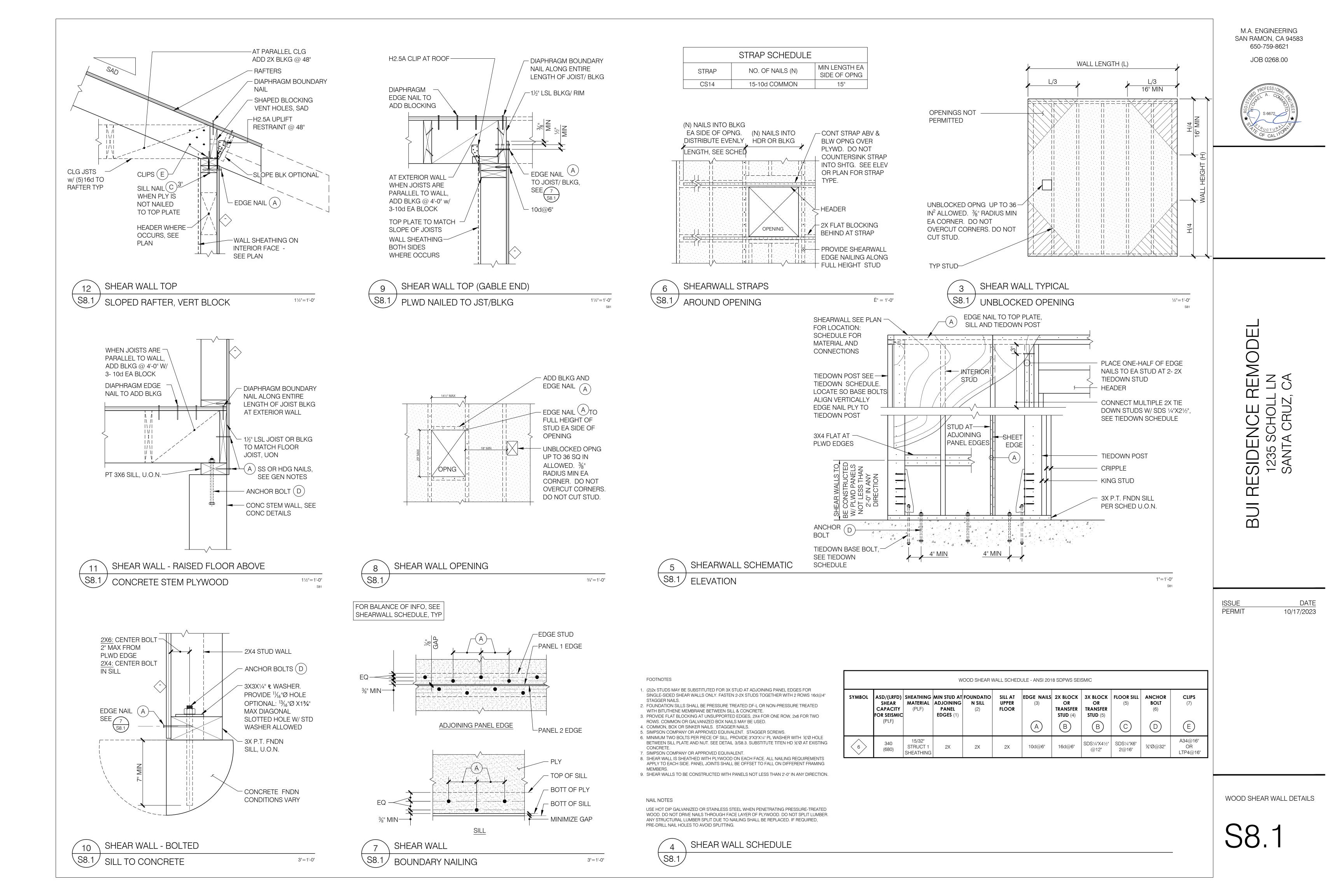
10	TYPICAL PERIMETER DETAIL	
	SLEEPERS ON CONCRETE SLAB	3/4"=1'-0"

REMODE S = S \square BUI

<u>ISSUE</u> DATE 10/17/2023 **PERMIT**

TYPICAL CONCRETE DETAILS

S5.





S = S

DATE

10/17/2023

BUI RE

ISSUE

PERMIT

1"=1'-0"

NTS

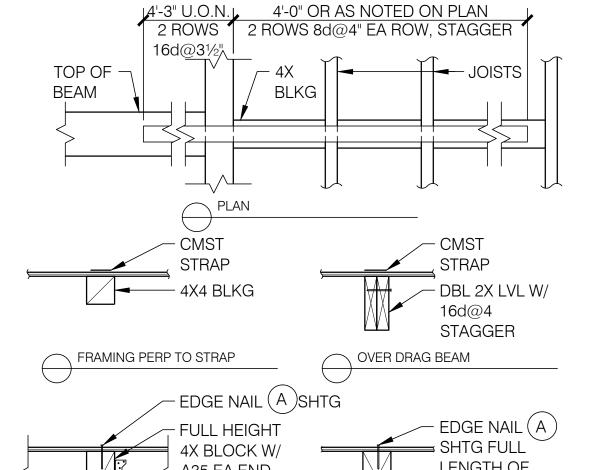
TIEDOWN

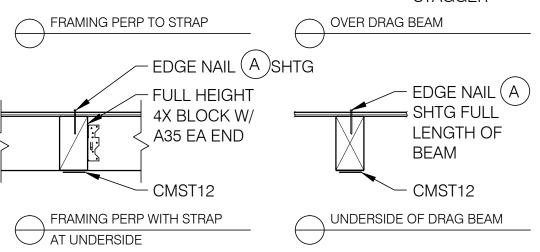
TIEDOWN POST EDGE NAIL (A)

CRIPPLE TRIMMER AT OPENINGS

TIEDOWN POST -

TIEDOWN LOCATED IN WALL S8.2 PLAN 1"=1'-0"





-DIAPHRAGM

BOUNDARY

-EDGE NAIL

1. LOCATE NAILS ¾" MIN FROM PANEL EDGES

2. PANELS NOT LESS THAN 4'X8' EXCEPT AT

WHERE MINIMUM PANEL DIMENSION SHALL

BOUNDARIES AND CHANGES IN FRAMING

UNDERSIZED PANELS ARE SUPPORTED BY

BE 24" UNLESS ALL EDGES OF THE

FRAMING MEMBERS OR BLOCKING.

AND ENDS.

- SHEARWALL,

SEE PLAN

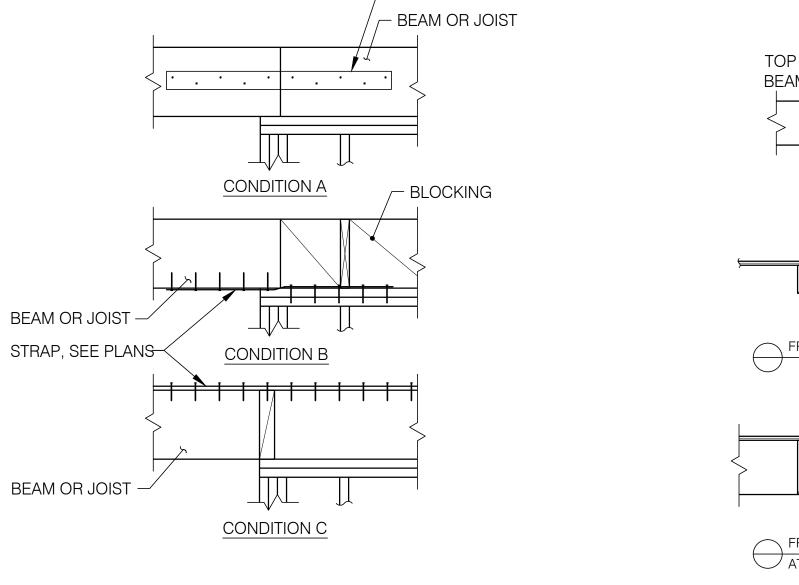
RIM JOIST OR BLKG

SPLICE, SEE 5 S8.2

PLATE

SPLICE, SEE 2 S8.3





— STRAP, SEE PLANS

5 TIE STRAPS	
S8.2	³ / ₄ "=1'-0'

CONTINUOUS PANEL EDGE AT BLOCKED

DIAPHRAGM. ADD 2X4 FLAT BLOCKING

EDGE NAIL TO JOIST, BLOCKING

OR TRUSS OVER SHEARWALL

1/8" CLEAR BETWEEN SHEETS

CONTINUOUS PANEL -

EDGE AT UNBLOCKED DIAPHRAGM. NAIL EA FRAMING MEMBER

SQUARE END OVER JOIST AND EDGE NAIL

FRAMING MEMBER -

INTERMEDIATE FRAMING -

ELASTOMERIC ADHESIVE AT FLOOR

T&G EDGE -

AND EDGE NAIL

1"=1'-0"

←EDGE NAIL

TO TD POST

MAXIMIZE

TIEDOWN AT EXISTING FOUNDATION

-SET ROD IN EPOXY, SEE GEN NOTES. NO PULL-TEST,

NOT DRILL THRU EXIST

CONT SPCL INSP ONLY. DO

TIEDOWN-

(E) FNDN----

WOOD FLOOR

SPLICE 2- 2X TIEDOWN POSTS ANCHOR BOLT **ASD TENSION** ALL-THREAD ANCHOR BOLT TIEDOWN POST SQUARE LOAD TIEDOWN 4" OR 6" WASHER ON **ASSEMBLY** SYMBOL (KIPS) THICK WALLS WOOD DIAMETER MIN SIMPSON ANCHOR | IVIII | MINIMUM BOX OR SINKER NAILS SDS 1/4"X21/2" (3)(4)**EMBEDMENT** C-2009 SSTB24 OR SB%X24 5 TOTAL EQUAL SPACE 2-2X OR 4X NO. 1 16d@4" HDU2-SDS2.5 1/2"X3"X3"

TIEDOWN LOADING & POST SCHEDULE

(1) SIMPSON CO. OR APPROVED EQUIVALENT.

(2) ASTM A36 (3) DOUGLAS FIR LARCH, GRADE AS NOTED.

(4) POST SIZED TO RESIST COMBINED AXIAL AND BENDING STRESS DUE TO ECCENTRICITY BETWEEN BOLT AND POST CENTER LINE.

(5) BASE BOLT WASHER BEARING ON WOOD BEAM (WHERE APPLICABLE). (6) SEE GENERAL NOTES FOR ADHESIVE REQUIREMENTS.



NAILS @ 12"

DIAPHRAGM SHEATHING

WOOD LATERAL DETAILS

TIEDOWN LOADING & POST SCHEDULE 10

S8.2

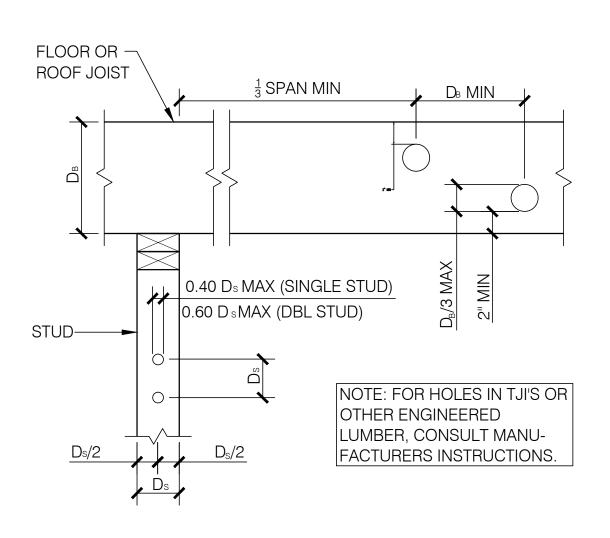
1"=1'-0"

4x POST

A35 EA. SIDE

(USE LTP4 AT DOOR

OPENING OR END OF SILL)



AT BEARING WALL

M.A. ENGINEERING SAN RAMON, CA 94583 650-759-8621

-SLOTTED PLATE

SHEAR WALLS.

MK # OF 16d NAILS
A 12

SPLICE SCHEDULE

WASHERS AS REQ'D. AT

BPS-3 FOR 2X4 WALLS

BPS-6 FOR 2X6 WALLS

1-1/2"=1'-0"

1"=1'-0"

JOB 0268.00

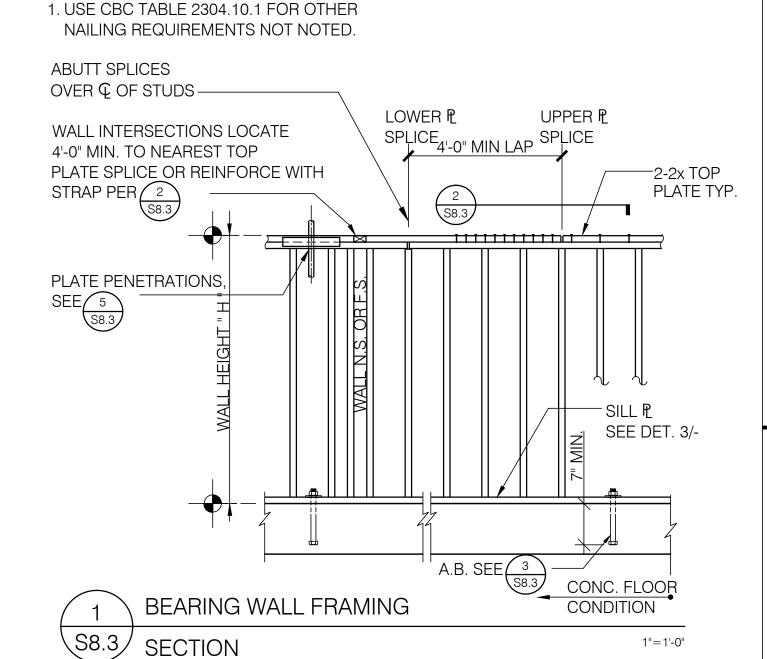


REMOD S - SBUI RI

DATE <u>ISSUE</u> 10/17/2023 **PERMIT**

TYPICAL WOOD DETAILS

S8.3



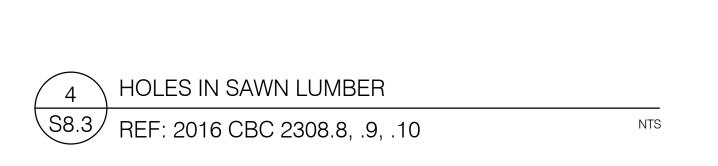
\S8.3

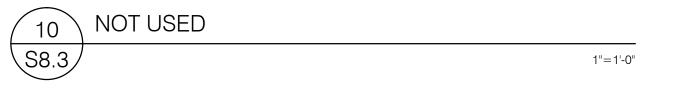
1-1/2"=1'-0"



\S8.3

1"=1'-0"





\S8.3/