

COUNTY OF SANTA CLARA 1200 SF ACCESSORY DWELLING UNIT

PROJECT ADDRESS:

PROJECT DIRECTORY (Complete this section)	DEFERRED SUBMITTALS	STYLE & MATERIAL OPTION SELECTIONS	PROJECT INFORMATION (Complete this section)	PROJECT INFORMATION (Complete this section)
APPLICANT NAME: ADDRESS: EMAIL: PHONE:	PHOTOVOLTAIC SYSTEM, WHEN REQUIRED FIRE SPRINKERS, WHEN REQUIRED ROOF TRUSSES ADDITIONAL SUBMITTALS	ROOF MATERIAL: ASPHALT SHINGLE ROOF - CLASS C MIN. (CRC R905.1, CRC R905.2) STANDING SEAM METAL ROOF - CLASS C MIN. (CRC R905.1, CRC R905.10) EXTERIOR WALL MATERIAL VERTICAL WOOD SIDING (CRC R703.5.1) HORIZONTAL WOOD LAP SIDING (CRC R703.5.3)	PROJECT SCOPE: CONSTRUCTION OF A NEW DETACHED 1-STORY 1200 SF ACCESSORY DWELLING UNIT WITH 3 BEDROOMS AND 2 BATHS SITE INFORMATION ASSESSOR'S PARCEL NUMBER: ZONING:	IS THE ADU EXTERIOR WALL 5' - 0" OR LESS TO ANY PROPERTY LINE AND/OR IS THE ADU EXTERIOR WALL 10' -0" OR LESS FROM ANY ADJACENT BUILDING OR STRUCTURE? NO YES; IF YES, FIRE RATED EXTERIOR WALLS REQUIRED ARE THE ADU CORNICES, EAVE OVERHANGS, AND SIMILAR PROJECTIONS 5' - 0" OR LESS TO ANY PROPERTY LINE AND/OR IS THE ADU EXTERIOR WALL 10' -0" OR LESS FROM ANY ADJACENT BUILDING OR
ENERGY CONSULTANT COMPANY NAME:	SIGNED AND STAMPED DEVELOPMENT IMPACT FEE FORM (AKA SCHOOL FEE FORM AND FIRE FEE FORM) FIRE HYDRANT SPECIFICATIONS WATER PURVEYOR WATER PRESSURE TEST LETTER APPLICABLE CODES	CEMENT PLASTER (CRC R703.7.2) FIBER CEMENT PANEL SIDING (CRC R703.10.1) FIBER CEMENT LAP SIDING (CRC R703.10.2) OTHER: EXTERIOR SOFFITS, RAKES, & EAVE MATERIAL	LOT SIZE: LAND USE: LOT COVERAGE PRIMARY DWELLING SIZE CONDITIONED AREA: GARAGE AREA:	STRUCTURE? NO YES; IF YES, FIRE RATED PROJECTIONS REQUIRED. FIREBLOCKING IS REQUIRED IN PROJECTIONS, RAKES AND EAVES. BUILDING INFORMATION NUMBER OF STORIES: 1
NAME:ADDRESS:EMAIL:PHONE:	THIS PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES AND ASSOCIATED COUNTY OF SANTA CLARA AMENDMENTS: 2022 CALIFORNIA RESIDENTIAL CODE 2022 CALIFORNIA BUILDING CODE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE 2022 CALIFORNIA ELECTRICAL CODE 2022 CALIFORNIA MECHANICAL CODE 2022 CALIFORNIA PLUMBING CODE	CEMENT PLASTER EXT. GRADE TONGUE & GROOVE FIBER CEMENT EXT. GRADE PLYWOOD	COVERED PORCH / DECK AREA: PROPOSED ADU SIZE: HARDSCAPE/PAVING (IMPERVIOUS): LANDSCAPE (PERVIOUS): SETBACKS REQUIRED PROPOSED	OCCUPANCY GROUP: CONSTRUCTION TYPE: US PRIMARY DWELLING UNIT SPRINKLED? MAX HEIGHT ALLOWED: MAX HEIGHT PROPOSED:
VICINITY MAP (To be provided by applicant)	2022 CALIFORNIA FIRE CODE 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS COUNTY OF SANTA CLARA CODE OF ORDINANCES	EXTERIOR TRIM ELEMENTS NO TRIM FIBER CEMENT WOOD	FRONT: REAR: SIDE 1: SIDE 2: BETWEEN STRUCTURES: *REQUIRED FRONT SETBACK FOR AN ADU IS THE SAME AS THE FRONT SETBACK REQUIRED FOR THE SINGLE FAMILY RESIDENCE AND VARIES BASED ON ZONING OF THE PROPERTY. REFER TO ZONING ORDINANCE TABLE 2-20-3 (RURAL) AND TABLE 2-30-2 (URBAN) FOR FRONT SETBACKS APPLICABLE TO SFR AND ADUS	

JSFR	LICENSE	AGREFI	MENT
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OWNER/APPLICANT TO SIGN THIS USER AGREEMENT RI

BY USING THESE PERMIT READY ACCESSORY DWELLING UNIT CONSTRUCTION DOCUMENTS, THE USER AGREES TO RELEASE, HOLD HARMLESS, AND INDEMNIFY THE COUNTY OF SANTA CLARA, ITS ELECTED OFFICIALS AND EMPLOYEES, AND THE ARCHITECT OR ENGINEER WHO PREPARED THESE CONSTRUCTION DOCUMENTS FROM ANY AND ALL CLAIMS, LIABILITIES, SUITS AND DEMANDS ON ACCOUNT OF ANY INJURY, DAMAGE OR LOSS TO PERSONS OR PROPERTY, INCLUDING INJURY OR DEATH, OR ECONOMIC LOSSES, ARISING OUT OF THE USE OF THESE CONSTRUCTION DOCUMENTS.

THE PLANS ATTACHED HERE ARE APPROVED FOR ONLY USE IN COUNTY OF SANTA CLARA. NO DEVIATIONS, ALTERATIONS, OR OPTIONS BEYOND THOSE SPECIFICALLY INDICATED IN THE PLANS ARE ALLOWED WITHOUT PRIOR APPROVAL BY THE ISSUING JURISDICTION AND CHIEF BUILDING OFFICIAL. THIS SET OF PLANS SHALL NOT BE USED FOR A PUBLIC HOUSING PROJECT.

SIGNATURE	DATE

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ARCHITECTU	RAL

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TITLE 24

T.1 TITLE 24 (SAMPLE ONLY)
T.2 TITLE 24 (SAMPLE ONLY)
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Enter	address	here

SCC STANDARD

ADU - 1200 SF

PROJECT TITLE:

COUNTY PERMIT#	DEV2X-XXXX
DATE:	Issue Date
SHEET TITLE:	

COVER SHEET

SCALE: 12" = 1'-0"

G.0



THE COUNTY OF SANTA CLARA

70 West Hedding Street
East Wing, 7th Floor
San Jose, California 95110
408.299.5700
https://www.santaclaracounty.gov

NO.	DATE	REVISIONS	

			LIMITATIONS OF USE	BEST MANAGEMENT PRACTICE (BMP) LEGEND	COUNT
			By using these standard plans, the user agrees to release the County of Santa Clara from any and all claims, liabilities, suits, and demands on account of any injury, damage, or loss to persons or property, including injury or death, or economic losses, arising out of the use of these construction documents. The use of these plans does not eliminate or reduce the user's responsibility to verify any and all information.	PDS 659 BROW DITCH PDS 659 BERM	
				MATERIALS & WASTE MANAGEMENT BMPs: WM-1 MATERIAL DELIVERY & STORAGE WM-4 SPILL PREVENTION AND CONTROL	1850 1850 187A CV
			SITE PLAN LEGEND	WM-8 CONCRETE WASTE MANAGEMENT	
			PROPERTY LINE	WM-5 SOLID WASTE MANAGEMENT	THE COUNTY OF SANTA CLA
				WM-9 SANITARY WASTE MANAGEMENT	70 West Hedding Street East Wing, 7th Floor San Jose, California 95110
			EASEMENT	WM-6 HAZARDOUS WASTE MANAGEMENT	408.299.5700 https://www.santaclaracounty.gov
				TEMPORARY RUNOFF CONTROL BMPs:	
			CONCRETE PAVING	SS-2 PRESERVATION OF EXISTING VEGETATION SPEV PEV SEV SS-3 BONDED OR STABILIZED FIBER MATRIX (WINTER)	
				SS-4 HYDROSEEDING (SUMMER) ~TSP ~TSP ~	
			BUILDING	SS-6 / SS-8 STRAW OR WOOD MULCH S/WS/W	
				SS-7 PHYSICAL STABILIZATION (WINTER)	
				SS-10 ENERGY DISSIPATOR	
				SC-1 SILT FENCE SC-2 / PDS 659 SEDIMENT / DESILTING BASIN	
				SC-5 FIBER ROLLS —FR —FR —	
				SC-6 / SC-8 GRAVEL OR SAND BAGS	
			LANDSCAPE INFORMATION	SC-7 STREET SWEEPING AND VACUUMING	
			PROPOSED PLANTED AREA (SF):	SC-10 STORM DRAIN INLET PROTECTION	
				NS-2 DEWATERING FILTRATION — W — W — W — TC-1 STABILIZED CONSTRUCTION ENTRANCE	
				TC-2 CONSTRUCTION ROAD STABILIZATION	
				TC-3 ENTRANCE / EXIT TIRE WASH	
			EXAMPLE SITE PLAN	BASELINE BMPs FOR EXISTING AND PROPOSED SITE FEATURES	
			EXAMIFLE SITE PLAIN	SD-B DIRECT RUNOFF TO PERVIOUS AREAS	
			8' - 0" 40' - 0" 22' - 0" 10' - 0"	SD-C INSTALL GREEN ROOF	
				SD-E INSTALL RAIN BARRELS SD-G CONSERVE NATURAL FEATURES	-
			SXX° XX'-X" E	SD-H PROVIDE BUFFERS AROUND WATER BODIES	
			, on	SD-I CONSTRUCT SURFACES FROM PERMEABLE MATERIALS	
				SD-K SUSTAINABLE LANDSCAPING	
				BASELINE BMPs FOR POLLUTANT-GENERATING SOURCES	
			30.	SC-A OVERHEAD COVERING SC-B SEPARATION OF FLOWS FROM ADJACENT AREAS	NO. DATE REVISIONS
				SC-C WIND PROTECTION	
			A I A I A I B </td <td>SC-D SANITARY SEWER</td> <td></td>	SC-D SANITARY SEWER	
			100L X-XX	SC-E CONTAINMENT SYSTEM	
			XX	POTENTIAL RUNOFF POLLUTANTS:	
				A TRASH & REFUSE STORAGE	
		lack	2 d d d d d d d d d d d d d d d d d d d	B MATERIALS & EQUIPMENT STORAGE C LOADING & UNLOADING	PROJECT TITLE:
			(E) DRIVEWAY	D FUELING	SCC STANDAR
				E MAINTENANCE & REPAIR	ADU - 1200 SI
			[O	F VEHICLE & EQUIPMENT CLEANING -	ADU - 1200 31
			000 C	G OTHER	Enter address here
			80' NXX° XX'-X" W		
		ENGINEERING SCALE: 1" =	STREET NAME		COUNTY PERMIT # DEV2X-
SITE PLAN CHECKLIST THE ADDITION T SHALL DROVIDE A DIMENSIONED AND SCALED	SITE PLAN SHOWING THE BELOW INFORMATION. THIS CHECKLIST IS PROVIDED TO HELP GUIDE APPLICANTS THROU	JGH THE PREPARATION OF A PROPERTY SITE PLAN	PERVIOUS AREA INFORMATION	IMPERVIOUS AREA INFORMATION	DATE: Issue
			PERVIOUS SURFACE AREA TABLE	IMPERVIOUS SURFACE AREA TABLE	SHEET TITLE:
FOOTPRINT OF ALL EXISTING AND PROPOSED BUILDINGS PLOT THE PROPOSED ADU BUILDING FOOTPRINT ALONG WITH ANY OTHER LEGALLY EXISTING BUILDINGS ONSITE. THIS INCLUDES ALL STRUCUTRES / PORCHES / GAZEBOS. IF AN OPTIONAL COVERED PATIO IS SELECTED, PLEASE PLOT THAT AS WELL. LABEL EXISTING BUILDINGS TO BE DEMOLISHED.	SETBACKS DIMENSION THE DISTANCE BETWEEN BUILDINGS AND PROPOERTY LINES, AS WELL AS BUILIDINGS TO OTHER STRUCTURES. ADU SETBACKS TO SIDE AND REAR PROPERTY SIDE SHALL BE A MINIMUM OF (4' -0").	SWIMMING POOLS ALL EXISTING SWIMMING POOLS SHALL BE SHOWN ON THE SITE PLAN AND SHALL HAVE 10' MINIMUM SETBACK TO THE NEW ADU STRUCTURE. LOCATION OF EXISTING UTILITIES	SITE PERVIOUS ITEM DIMENSIONS AREA (SF) NOTES	SITE IMPERVIOUS SURFACE AREA TABLE SITE ID	
AREA OF EXISTING BUILDING INDICATE THE SQUARE FOOTAGE OF THE EXISTING HOUSE.	EASEMENTS REFER TO LEGEND. MUST INCLUDE ALL APPLICABLE EASEMENTS. PROPOSED STRUCTURE SHALL COMPLY WITH EASEMENT REQUIREMENTS.	UTILITIES, POLES, SEWER, DRAINS, ELECTRICAL, GAS METERS, FIRE HYDRANT AND TYPE OF HYDRANT, AND LINES AND ANY PHOTOVOLTATIC.		1 PROPOSED ADU 40'-0" x 30'-0" 1200	
DRAWING SCALE SITE PLAN SHOULD BE DRAWN TO A MEASURABLE SCALE.	LOCATION OF RAIN WATER LEADERS THE ROOF DRAINS SHOULD DRAIN AWAY FROM THE PROPERTY LINES AND INTO THE LANDSCAPE				
PROPERTY LINES	AREA.		PERVIOUS ELEMENT MANUFACTURER: PERVIOUS ELEMENT SLOPE AND DIRECTION OF SLOPE:	3 POST 2009 IMPERVIOUS AREA XXX	SCALE: As indicated
SHOW OUTLINE OF PROPERTY USING DASHED LINE IN LEGEND. INDICATE THE BEARING AND LENGTH OF THE PROPERTY LINE.	LABEL STREETS & SIDEWALKS DIMENSION BUILDING SEPARATION		PERVIOUS ELEMENT CROSS SECTION LOCATED ON SHEET:	4 PRE 2009 IMPERVIOUS AREA AAA BBB	
LABEL YARDS LABEL FRONT, REAR, SIDE YARDS, AS WELL AS DRIVEWAYS, PATHWAYS AND ANY OTHER HARDSCAPE. SHOW DIRECTION ARROWS INDICATING DRAINAGE ON PROPERTY, SLOPING AWAY	DIMENSION THE DISTANCE BETWEEN THE PROPOSED ADU AND ANY EXISTING STRUCTURES LOT COVERAGE CALCULATION		CONSTRUCTED PERVIOUS SURFACES SHALL NOT BE SEALED.	NET NEW (INCREASED) SINCE 2009 1200 SF + XXX - BBB	G.1
FROM BUILDING.	TOTAL FOOTPRINT AREA FOR STRUCTURES ON SITE / LOT AREA			LAND DISTURBANCE:SF	J. 1
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NO.	DATE	REVISIONS

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COUNTY PERMIT #	DEV2X-XXXX
DATE:	Issue Date
SHEET TITLE:	

AIR QUALITY, LANDSCAPING, AND EROSION CONTROL

- WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
- COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
- 3. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
- SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
- SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
- ALL CONSTRUCTION VEHICLES, EQUIPMENT AND DELIVERY TRUCKS SHALL HAVE A MAXIMUM IDLING TIME OF 5 MINUTES (AS REQUIRED BY THE CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE TITLE 13, SECTION 2485 OF CALIFORNIA CODE OF REGULATIONS (CCR)). ENGINES SHALL BE SHUT OFF IF CONSTRUCTION REQUIRES LONGER IDLING TIME UNLESS NECESSARY FOR PROPER OPERATION OF THE VEHICLE.
- ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PER HOUR.
- ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE RUNNING IN PROPER CONDITION PRIOR TO OPERATION
- POST A SIGN THAT IS AT LEAST 32 SQUARE FEET MINIMUM 2 INCHES LETTER HEIGHT VISIBLE NEAR THE ENTRANCE OF CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENTS. OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM ROADS DEPARTMENT OR OTHER APPLICABLE AGENCY IF REQUIRED.
- A. 15 MILES PER HOUR (MPH) SPEED LIMIT B. 5 MINUTES MAXIMUM IDLING TIME OF VEHICLES

OCTOBER 15TH OF EVERY YEAR.

- C. TELEPHONE NUMBER TO CONTACT THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGARDING DUST COMPLAINTS. NOTE PHONE NUMBER OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AIR POLLUTION COMPLAIN HOTLINE OF 1-800-334-6367.
- 10. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING
- 11. ALL EXPOSED DISTURBED AREAS SHALL BE SEEDED WITH BROME SEED SPREAD AT THE RATE OF 5 LB. PER 1000 SQUARE
- FEET (OR APPROVED EQUAL). SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE GROWTH. 12. ALL DITCHES SHALL BE LINED PER COUNTY STANDARD SOB.
- 13. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS E.G. SACKED CONCRETE RIP-RAP. ENERGY DISSIPATERS SHALL BE INSTALLED AT ALL DITCH OUTFALLS. WHERE OUTFALLS ARE NOT INTO AN EXISTING CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.

14. PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREAS SHALL BE RESEEDED IN CONFORMANCE

- WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADE SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE. PERMANENT LANDSCAPING SHOWN ON THE ATTACHED LANDSCAPE PLAN MUST BE INSTALLED AND FIELD APPROVED BY THE COUNTY PLANNING OFFICE PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER, AND FINAL OCCUPANCY RELEASE
- 16. THE OWNER SHALL PREPARE AND PRESENT A WINTERIZATION REPORT TO THE COUNTY INSPECTOR FOR REVIEW PRIOR TO
- 17. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL INSTALL AND MAINTAIN CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPS) ON THE PROJECT SITE AND WITHIN THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY THROUGHOUT THE DURATION OF THE CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL TO PREVENT THE DISCHARGE OF POLLUTANTS INCLUDING SEDIMENT. CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, AND WASTE INTO THE SANTA CLARA COUNTY RIGHT-OF-WAY, STORM SEWER WATERWAYS, ROADWAY INFRASTRUCTURE. BMPS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING;
- A. PREVENTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN / STAGING AREAS.
- PREVENTION OF TRACKING OF MUD, DIRT, AND CONSTRUCTION MATERIALS ONTO THE PUBLIC ROAD RIGHT-OF-WAY PREVENTION OF DISCHARGE OF WATER RUN-OFF DURING DRY AND WET WEATHER CONDITIONS ONTO THE PUBLIC ROAD RIGHT-OF-WAY.
- 18. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES. HAZARDOUS AND NON-HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY.
- EROSION CONTROL PLAN IS A GUIDE AND SHALL BE AMENDED AS NECESSARY TO PREVENT EROSION AND ILLICIT DISCHARGES ON A YEAR AROUND BASIS, DEPENDING ON THE SEASON, WEATHER, AND FIELD CONDITIONS. EROSION CONTROL MEASURES IN ADDITION TO THOSE NOTED IN THE PERMITTED PLANS MAY BE NECESSARY. FAILURE TO INSTALL SITE AND SITUATIONALY APPROPRIATE EROSION CONTROL MEASURES MAY RESULT IN VIOLATIONS, FINES, AND A STOPPAGE OF WORK.

- 1. REINFORCEMENT FOR GRAB BARS SHALL BE PROVIDED AT LEAST ONE BATHROOM ON THE ENTRY LEVEL A. REINFORCEMENT SHALL BE SOLID LUMBER
- REINFORCEMENT SHALL NOT BE LESS THAN 2X8 NOMINAL LUMBER.

AGING IN PLACE/FALL PREVENTION (CRC R327.1)

- REINFORCEMENT SHALL BE LOCATED BETWEEN 32-INCHES AND 391/4-INCHES ABOVE THE FINISHED FLOOR FLUSH WITH THE WALL FRAMING
- WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.
- a. WHERE THE WATER CLOSET IS NOT PLACED ADJACENT TO A SIDE WALL CAPABLE OF ACCOMMODATING A GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY, OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS.
- E. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. REINFORCEMENT SHALL NOT BE REQUIRED IN WALL FRAMING FOR PRE-FABRICATED SHOWER ENCLOSURES AND BATHTUB WALL PANELS WITH INTEGRAL FACTORY-INSTALLED GRAB BARS OR WHEN FACTORY-INSTALLED REINFORCEMENT FOR GRAB BARS IS PROVIDED.
- BATHTUB AND COMBINATION BATHTUB/SHOWER REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6-INCHES ABOVE THE BATHTUB RIM.
- 2. DOCUMENTATIONS FOR GRAB BAR REINFORCEMENT BY INFORMATION AND/OR DRAWINGS IDENTIFYING THE LOCATION OF GRAB BAR REINFORCEMENT SHALL BE PLACED IN THE OPERATION AND MAINTENANCE MANUAL ELECTRICAL RECEPTACLE OUTLETS, SWITCHES AND CONTROLS INTENDED TO BE USED BY OCCUPANTS SHALL BE LOCATED
- NO MORE THAN 48-INCHES MEASURED FROM THE TOP OF THE OUTLET BOX AND NOT LESS THAN 15-INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX ABOVE THE FINISH FLOOR.
- AT LEAST ONE BATHROOM AND ONE BEDROOM ON THE ENTRY LEVEL OF A SINGLE-STORY DWELLING SHALL PROVIDE A DOORWAY WITH A NET CLEAR OPENING NOT LESS THAN 32-INCHES MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM THE CLOSED POSITION.
- DOORBELL BUTTONS OR CONTROLS SHALL NOT EXCEED 48-INCHES ABOVE EXTERIOR FLOOR OR LANDING, MEASURED FROM THE TOP OF THE DOORBELL BUTTON ASSEMBLY.

SITE NOTES

- CALL BEFORE YOU DIG! CONTACT UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600 AT LEAST 2 WORKING DAYS BEFORE EXCAVATING.
- UNLESS OTHERWISE NOTED ON THE PLANS, FINISHED GROUND SURFACES SHALL BE GRADED TO DRAIN THE FINISHED SITE PROPERLY WITHIN 10-FEET OF ANY BUILDING FOUNDATION WITH A SLOPE OF 5% AWAY FROM ANY BUILDING OR STRUCTURE. ALL EXTERIOR HARDSCAPE WITHIN 10-FEET OF A BUILDING FOUNDATION SHALL BE INSTALLED WITH A 2% MINIMUM SLOPE AWAY FROM ANY BUILDING OR STRUCTURE.
- LOT GRADING SHALL CONFORM AT THE PROPERTY LINES AND SHALL NOT SLOPE TOWARD PROPERTY LINES IN A MANNER WHICH WOULD CAUSE STORM WATER TO FLOW ONTO NEIGHBORING PROPERTY. HISTORIC DRAINAGE PATTERNS SHALL NOT BE ALTERED IN A MANNER TO CAUSE DRAINAGE PROBLEMS TO NEIGHBORING PROPERTY.
- NEW RAINWATER DOWNSPOUTS SHALL BE DISCONNECTED AND DIRECT RUNOFF TO A LANDSCAPED AREA. DOWNSPOUTS MAY BE CONNECTED TO A POP-UP DRAINAGE EMITTER IN THE LANDSCAPED AREA OR MAY DRAIN TO SPLASH BLOCKS OR
- COBBLESTONES THAT DIRECT WATER AWAY FROM THE BUILDING. 5. CONTRACTOR TO FIELD VERIFY EXISTING DRAINAGE. IF THE EXISTING DRAINAGE SYSTEM IS DAMAGED DURING EXCAVATION, CONTRACTOR SHALL REPAIR AND/OR REROUTE DRAINAGE SYSTEM AND CONNECT TO EXISTING DRAINAGE **FACILITY AS NECESSARY**
- 6. EXISTING PUBLIC IMPROVEMENTS THAT ARE DAMAGED BY THE PROJECT CONSTRUCTION SHALL BE REPAIRED OR REPLACED. EXISTING DAMAGED PUBLIC IMPROVEMENTS WITHIN THE PROJECT LIMITS SHALL BE REPAIRED OR REPLACED EVEN IF THE DAMAGE OCCURRED PRIOR TO THE START OF CONSTRUCTION.
- EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO OCTOBER 1 AND SHALL BE MAINTAINED DAILY UNTIL APRIL 30. THESE FACILITIES SHALL CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSITS AND PROVIDE FOR THE SAFE DISCHARGE OF SILT-FREE STORM WATERS INTO EXISTING STORM DRAIN FACILITIES. EROSION AND SEDIMENT CONTROL
- SUPPLIES MUST BE KEPT ON-SITE DURING THE DRY SEASON AND EMPLOYED, AS NECESSARY PRIOR TO AND DURING RAIN
- 9. SEASONALLY APPROPRIATE BEST MANAGEMENT PRACTICES FOR THE FOLLOWING SITE MANAGEMENT CATEGORIES MUST BE IMPLEMENTED YEAR-ROUND:
 - A. EROSION CONTROL B. RUN-ON AND RUN-OFF CONTROL
- SEDIMENT CONTROL
- D. GOOD SITE MANAGEMENT E. NON-STORMWATER MANAGEMENT
- 10. AN ENCROACHMENT PERMIT WILL BE REQUIRED FOR ANY CONSTRUCTION ACTIVITY WITHIN A PUBLIC STREET RIGHT OF WAY THAT HAS BEEN ACCEPTED BY THE COUNTY.

GRADING

- EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE TO A COUNTY APPROVED DISPOSAL SITE. WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND, IS SHALL BE STRIPPED OF ALL VEGETATION. TO ACHIEVE A PROPER BOND WITH THE FILL MATERIAL, THE SURFACE OF THE GROUND SHALL BE SCARIFIED TO DEPTH OF 6" BEFORE FILL IS PLACED. WHERE NATURAL GROUND IS STEEPER THAN 5: 1, IT SHALL BE BENCHED AND THE FILL KEYED IN TO ACHIEVE STABILITY. WHERE NEW FILL IS TO BE PLACED ON EXISTING FILL THE EXISTING FILL SHALL BE REMOVED UNTIL MATERIAL COMPACTED TO 90% RELATIVE COMPACTION IS EXPOSED. THEN THE NEW FILL MATERIAL SHALL BE PLACED AS PER THESE CONSTRUCTION NOTES. FILL MATERIAL SHALL BE PLACED IN UNIFORM LIFTS NOT EXCEEDING 6" IN UNCOMPACTED THICKNESS. BEFORE COMPACTION BEGINS, THE FILL SHALL BE BROUGHT TO A WATER CONTENT THAT WILL PERMIT PROPER COMPACTION BY EITHER 1) AERATING THE FILL IF IT IS TOO WET OR 2) MOISTENING THE FILL WITH WATER IF IT IS TOO DRY. EACH LIFT SHALL BE THOROUGHLY MIXED BEFORE COMPACTION TO ENSURE A UNIFORM DISTRIBUTION OF MOISTURE.
- EXCESS CUT MATERIAL SHALL NOT BE SPREAD OR STOCKPILED ON THE SITE. SURPLUS EARTH FILL MATERIAL SHALL BE PLACED IN A SINGLE (8" MAX) THICK LAYER COMPACTED TO WITHSTAND
- WEATHERING IN THE AREA(S) DELINEATED ON THE PLAN. 4. NO ORGANIC MATERIAL SHALL BE PLACED IN ANY FILL. NO TREES SHALL BE REMOVED OUTSIDE OF CUT, FILL OR ROADWAY
- 5. THE UPPER 6" OF SUBGRADE BELOW DRIVEWAY ACCESS ROAD OR PARKING AREA SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY
- 6. MAXIMUM CUT SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL. MAXIMUM FILL SLOPE SHALL BE 2 HORIZONTAL TO 1
- NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN 8. ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE.
- 9. THE UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95% 10. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
- 11. THE GEOTECHNICAL PLAN REVIEW LETTER MUST BE REVIEWED AND APPROVED BY THE COUNTY GEOLOGIST PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER FOR BUILDING OCCUPANCY.
- 12. THE PROJECT GEOTECHNICAL ENGINEER SHALL PERFORM COMPACTION TESTING AND PRESENT THE RESULTS TO THE COUNTY ENGINEERING INSPECTOR PRIOR TO THE CONSTRUCTION OF ANY PAVED AREA.
- 13. GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 1517H IS AT THE DISCRETION OF THE SANTA CLARA COUNTY GRADING
- 14. THE INSPECTOR MAY VERIFY THAT A VALID NOTICE OF INTENT (NOI) HAS BEEN ISSUED BY THE STATE AND THAT A CURRENT AND UP TO DATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS AVAILABLE ON SITE.

SURVEY MONUMENT PRESERVATION

- 1. THE LANDOWNER / CONTRACTOR MUST PROTECT AND ENSURE THE PERPETUATION OF SURVEY MONUMENTS AFFECTED BY
- CONSTRUCTION ACTIVITIES. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE, STAKE, AND FLAG OR OTHERWISE IDENTIFY WITH PAINT OR OTHER MARKINGS ALL PERMANENT SURVEY MONUMENTS OF RECORD AND ANY UNRECORDED MONUMENTS
- THAT ARE DISCOVERED THAT ARE WITHIN 50 FEET OF THE CONSTRUCTION ACTIVITY. THE LANDOWNER, CONTRACTOR AND/OR ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES THAT WILL OR MAY DISTURB AN EXISTING MONUMENT, CORNER STAKE, OR ANY OTHER PERMANENT SURVEYED MONUMENT SHALL CAUSE TO HAVE A LICENSED LAND SURVEYOR OR CIVIL ENGINEER, AUTHORIZED TO PRACTICE SURVEYING, ENSURE THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE COUNTY SURVEYOR'S OFFICE PRIOR TO DISTURBING SAID MONUMENTS AND RESET PERMANENT MONUMENT(S) IN THE SURFACE OF THE NEW CONSTRUCTION OR SET A WITNESS MONUMENT(S) TO PERPETUATE THE LOCATION IF ANY PERMANENT MONUMENT COULD BE DESTROYED, DAMAGED, COVERED, DISTURBED, OR OTHERWISE OBLITERATED. THE LICENSED LAND SURVEYOR OR CIVIL ENGINEER SHALL FILE A CORNER RECORD OR RECORD OF SURVEY WITH COUNTY SURVEYOR PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.

ENERGY STORAGE READINESS

- **ENERGY STORAGE SYSTEM (ESS) REQUIREMENTS:** • IN SINGLE-FAMILY RESIDENTIAL BUILDINGS THAT INCLUDE ONE OR TWO DWELLINGS, EACH DWELLING UNIT SHALL BE PROVIDED WITH DEDICATED RACEWAYS, DESIGNATED BRANCH CIRCUITS AND ISOLATION DEVICES FOR ENERGY STORAGE SYSTEMS AS SPECIFIED IN CALIFORNIA ENERGY CODE SECTION 150.0(S). ADDITIONALLY, THE PANELBOARDS SHALL BE PROVIDED WITH THE MINIMUM BUSBAR RATING AS SPECIFIED IN CALIFORNIA ENERGY CODE SECTION 150.0(S). (CEC SECTION 706.10)
- CALIFORNIA ENERGY CODE SECTION 150.0(S)
- 1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED: A. A. ESS READY INTERCONNECTION EQUIPMENT WITH A MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR
- B. A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE BRANCH CIRCUITS IN SECTION 150.0(S)(2). ALL BRANCH CIRCUITS ARE PERMITTED TO BE SUPPLIED BY THE MAIN SERVICE PANEL PRIOR TO THE INSTALLATION OF AN ESS. THE TRADE SIZE OF THE RACEWAY SHALL BE NOT LESS THAN 1 INCH. THE PANELBOARD THAT SUPPLIES THE BRANCH CIRCUITS (SUBPANEL) MUST BE LABELED "SUBPANEL SHALL INCLUDE ALL
- BACKEDUP LOAD CIRCUITS." 2. A MINIMUM OF FOUR BRANCH CIRCUITS SHALL BE IDENTIFIED AND HAVE THEIR SOURCE OF SUPPLY COLLOCATED AT A SINGLE PANELBOARD SUITABLE TO BE SUPPLIED BY THE ESS. AT LEAST ONE CIRCUIT SHALL SUPPLY THE REFRIGERATOR, ONE LIGHTING CIRCUIT SHALL BE LOCATED NEAR THE PRIMARY EGRESS AND AT LEAST ONE CIRCUIT SHALL SUPPLY A
- THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS.
- SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE INSTALLATION OF A SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH WITHIN 3 FEET OF THE MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN THE PANELBOARD AND THE SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE CONNECTION OF BACKUP POWER SOURCE.

CONSTRUCTION STAKING

- THE DEVELOPER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES. THE STAKES ARE TO BE ADEQUATELY IDENTIFIED, LOCATED, STABILIZED, ETC. FOR THE CONVENIENCE OF CONTRACTORS. LATERAL OFFSET OF STAKES SET FOR CURBS AND GUTTERS SHALL NOT EXCEED 2 1/2 FEET FROM BACK OF CURB.
- ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED LAND SURVEYOR. PROPERTY LINE STAKING MUST BE PERFORMED BY THE PROJECT ENGINEER OR LAND SURVEYOR TO ESTABLISH OR RE-ESTABLISH THE PROJECT BOUNDARY AND SHALL BE INSPECTED BY THE COUNTY INSPECTOR PRIOR TO THE BEGINNING OF
- PROPER CONSTRUCTION STAKES SHALL BE SET IN THE FIELD BY THE PROJECT ENGINEER OR LAND SURVEYOR AND VERIFIED BY THE COUNTY INSPECTOR PRIOR TO THE COMMENCEMENT OF GRADING

CONSTRUCTION INSPECTION

- 1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
- 2. THE COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION, 48 HOURS FOR ASPHALT CONCRETE INSPECTION. INSPECTION BY SANTA CLARA COUNTY SHALL BE LIMITED TO INSPECTION OF MATERIALS AND PROCESSES OF CONSTRUCTION TO OBSERVE THEIR COMPLIANCE WITH PLANS & SPECIFICATIONS BUT DOES NOT INCLUDE RESPONSIBILITY FOR THE SUPERINTENDENT OF CONSTRUCTION, SITE CONDITIONS, EQUIPMENT OR PERSONNEL. CONTRACTOR SHALL
- COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE. DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE MUST SUBMIT WRITTEN REQUEST FOR FINAL INSPECTION AND ACCEPTANCE. SAID REQUEST SHALL BE DIRECTED TO THE INSPECTION OFFICE NOTED ON THE PERMIT FORM.

NOTIFY THE COUNTY LAND DEVELOPMENT INSPECTOR AT PHONE (408) 299-6868 AT LEAST 24 HOURS PRIOR TO

5. 5. THE CONTRACTOR SHALL PROVIDE TO THE COUNTY CONSTRUCTION INSPECTOR WITH PAD ELEVATION AND LOCATION CERTIFICATES, PREPARED BY THE PROJECT ENGINEER OR LAND SURVEYOR, PRIOR TO COMMENCEMENT OF THE BUILDING FOUNDATION.

SITE PREPARATION (CLEARING AND GRUBBING)

- EXISTING TREES AUTIHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE AS FOLILOWS: A. TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF PROPOSED ROADWAYS (EITHER PRIVATE OR TO
- BE DEDICATED TO PUBLIC USE) B. FROM AREAS AFFECTED BY THE PROPOSED GRADING EXCEPT WHERE NOTED ON TIHE PLANS.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO MOVE OR RELOCATE UTILITY POLES AND OTHER OBSTRUCTIONS IN THE WAY OF CONSTRUCTION.

UTILITY LOCATION, TRENCHING & BACKFILL

- 1. CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2600 A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES. ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND CONDUITS OR FACILITIES SHALL BE THE INDIVIDUAL CONTRACTORS RESPONSIBILITY. PLAN LOCATIONS ARE APPROXIMATE AND FOR GENERAL
- INFORMATION ONLY. ALL UNDERGROUND INSTALLATIONS SHALL BE IN PLACE AND THE TRENCH BACKFILLED AND COMPACTED BEFORE PLACING AGGREGATE BASE MATERIAL OR SURFACE STRUCTURES. SURFACING MAY BE DONE IF THE UTILITY COMPANY CONCERNED INDICATES BY LETTER THAT IT WILL BORE. UNLESS SPECIFICALLY AUTHORIZED BY THE COUNTY. GAS AND WATER MAINS
- SHALL BE INSTALLED OUTSIDE THE PAVED AREAS. TRENCH BACKFILL IN EXISTING PAVEMENT AREAS SHALL BE SAND MATERIAL IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE SPECIFICATIONS. THE STRUCTURAL SECTION FOR TRENCH REPLACEMENT SHALL CONSIST OF NOT LESS THAN 12 INCHES OF APPROVED AGGREGATE BASE MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 95% AND 4 INCHES OF HOT ASPHALT CONCRETE PLACED IN TWO LIFTS. TRENCH RESTORATION FOR HIGHER TYPE PAVEMENTS SHALL BE MADE IN KIND OR AS DIRECTED BY THE COUNTY.
- TRENCH BACKFILL IN NEW CONSTRUCTION AREAS SHALL BE SAND MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 90%. THE REQUIREMENT FOR SELECT MATERIAL MAY BE WAIVED BY COUNTY IF THE NATIVE SOIL IS SUITABLE FOR USE AS TRENCH BACKFILL BUT THE COMPACTION REQUIREMENTS WILL NOT BE THEREBY WAIVED. BACKFILL AND TRENCH RESTORATION REQUIREMENTS SHALL APPLY AS MINIMUM STANDARDS TO ALL UNDERGROUND FACILITIES INSTALLED BY OTHER FIRMS OR PUBLIC AGENCIES.

TREE PROTECTION

- 1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF GRADING FOR ALL PROPOSED DEVELOPMENT ON SITE. THE TREES SHALL BE PROTECTED BY THE PLACEMENT OF RIGID TREE PROTECTIVE FENCING, CONSISTENT WITH THE COUNTY INTEGRATED LANDSCAPE GUIDELINES, AND INCLUDE THE
- A. FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIPLINE OF THE TREE OR GROVE OF TREES. B. THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PERIOD AND SHALL BE INSPECTED
- PERIODICALLY FOR DAMAGE AND PROPER FUNCTION. FENCING SHALL BE REPAIRED, AS NECESSARY, TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES. SIGNAGE STATING, "WARNING- THIS FENCING SHALL NOT BE REMOVED WITHOUT PERMISSION FROM THE SANTA CLARA COUNTY PLANNING OFFICE (408) 299-5770. COUNTY OF SANTA CLARA TREE PROTECTION MEASURES MAY BE FOUND AT
- HTTP://WWW.SCCPLANNING.GOV." SHALL BE PLACED ON THE TREE PROTECTIVE FENCING UNTIL FINAL OCCUPANCY. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, TREE PROTECTIVE FENCING SHALL BE SECURELY IN PLACED AND INSPECTED BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.

GENERAL NOTES

- ALL WORK DESCRIBED IN THE DRAWINGS SHALL BE VERIFIED FOR DIMENSION, GRADE, EXTENT AND COMPATIBILITY WITH EXISTING SITE CONDITIONS. ANY DISCREPANCIES AND UNEXPECTED CONDITIONS THAT AFFECT OR CHANGE THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ARCHITECT 'S ATTENTION IMMEDIATELY. DO NOT PROCEED WITH THE WORK IN THE AREA OF DISCREPANCIES UNTIL ALL SUCH DISCREPANCIES ARE RESOLVED. IF THE
- CONTRACTOR CHOOSES TO DO SO, HE/SHE SHALL BE PROCEEDING AT HIS/HER OWN RISK. NO DEVIATION FROM CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE
- OWNER. REVISIONS TO BE SUBMITTED, REVIEWED AND APPROVED BY THE COUNTY OF SANTA CLARA.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS.
- 5. CONTRACTOR TO REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE OWNER FOR DIRECTION PRIOR TO PERFORMING ANY WORK IN 6. THE STRUCTURAL, MECHANICAL AND PLUMBING DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO REVIEW STRUCTURAL, MECHANICAL, AND PLUMBING DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL AND PLUMBING WORK. SHOULD THERE BE A CONFLICT OR DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEERS' DRAWINGS IT SHALL BE BROUGHT TO THE OWNER'S ATTENTION FOR DIRECTION PRIOR TO INSTALLATION OF SAID WORK, ANY WORK INSTALLED IN CONFLICT WITH THE
- ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST DO NOT SCALE DRAWINGS; DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS, GENERAL
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. GRADES AND CONDITIONS AT SITE PRIOR TO COMMENCING THE WORK.
- ALL DIMENSIONS ARE TO FACE OF CONCRETE, FACE OF CONCRETE BLOCK WALLS AND FACE OF SCHEDULED PARTITION, UNLESS OTHERWISE NOTED.
- DIMENSIONS ARE TO FRAMING OR STRUCTURAL MEMBERS, UNLESS OTHERWISE NOTED. 10. WHERE A TYPICAL DETAIL IS SHOWN, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS ARE THE SAME
- UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE. 11. CONTRACTOR TO COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES
- GOVERNING THE WORK. 12. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY,
- OSHA DEPARTMENT, FOR TRENCHES OR EXCAVATIONS GREATER THAN 5'-0" DEEP INTO WHICH A PERSON IS REQUIRED TO DESCEND FOR CONSTRUCTION PURPOSES. 13. CONTRACTOR TO MAINTAIN EXITS. EXIT LIGHTING. FIRE PROTECTIVE DEVICES AND ALARMS IN CONFORMANCE WITH CODES
- AND ORDINANCES. 14. CONTRACTOR SHALL PROVIDE TEMPORARY EXIT SIGNS TO ASSURE A MEANS OF EGRESS DURING CONSTRUCTION.
- 15. CONTRACTOR SHALL PROTECT THE AREA OF WORK AND ADJACENT AREAS FROM DAMAGE. CONTRACTOR SHALL COORDINATE TRASH REMOVAL ACCESS PER MUNICIPALITY REQUIREMENTS.
- 17. MATERIALS STORED ON THE SITE SHALL BE PROPERLY STACKED & PROTECTED TO PREVENT DAMAGE & DETERIORATION UNTIL USE. FAILURE TO PROTECT MATERIALS MAY BE CAUSE FOR REJECTION OF WORK BY OWNER.
- 18. CONTRACTOR SHALL PROTECT STORED ON-SITE AND INSTALLED ABSORPTIVE MATERIALS FROM MOISTURE DAMAGE AND MAINTAIN THE JOB SITE IN A CLEAN, ORDERLY CONDITION FREE OF DEBRIS AND LITTER. EACH SUB-CONTRACTOR IMMEDIATELY UPON COMPLETION OF EACH PHASE OF THEIR WORK SHALL REMOVE ALL TRASH & DEBRIS AS A RESULT OF THEIR OPERATIONS.
- 19. CONTRACTOR TO MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION. 20. FIRE PROTECTION EQUIPMENT AND SERVICE ACCESS MUST BE MAINTAINED AND PROVIDED DURING THE CONSTRUCTION
- 21. PUBLIC IMPROVEMENTS AND SERVICES ADJACENT TO THE SITE SHALL BE MAINTAINED DURING CONSTRUCTION. APPROVAL OF THE APPROPRIATE GOVERNING BODY IS REQUIRED BEFORE ANY WORK IS COMMENCED.
- 22. CONTRACTOR SHALL COORDINATE SITE PLUMBING, DRAINAGE, ELECTRICAL, TELEPHONE WORK AND EXISTING UTILITIES TO PROVIDE A COMPLETE OPERATING SYSTEM. 23. CLIENT WILL PROVIDE WORK NOTED "BY OTHERS" OR "N.I.C." UNDER A SEPARATE CONTRACT. INCLUDE SCHEDULE
- REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF
- 24. EXCEPT WHERE SHOWN IN DIMENSIONAL DETAIL, OR AS REQUIRED BY CODE, THE LOCATIONS OF PLUMBING, MECHANICAL EQUIPMENT, DUCTS, PIPING AND FITTING ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES.
- 25. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT PADS AND BASES AS WELL AS POWER AND WATER OR DRAIN INSTALLATIONS WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK. CHANGES TO ACCOMMODATE FIELD CONDITIONS OR SUBSTITUTIONS SHALL BE MADE AT NO ADDITIONAL COST.
- 26. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL MECHANICAL OPENINGS THROUGH THE ROOF WITH MECHANICAL **EQUIPMENT MANUFACTURERS.** 27. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACK-UP PLATES AND SUPPORTING
- BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ROOM ACCESSORIES, FIXTURES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISCELLANEOUS EQUIPMENT AND FURNISHINGS.
- 28. CONTRACTOR TO COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS OR
- 29. CONTRACTOR SHALL CONFINE OPERATIONS AT THE SITE TO AREAS PERMITTED BY LAW, ORDINANCES, PERMITS & THE
- CONTRACT DOCUMENTS, AND SHALL NOT UNREASONABLY ENCUMBER THE SITE WITH ANY MATERIALS OR EQUIPMENT. 30. SHOULD CONFLICT OCCUR IN OR BETWEEN DRAWINGS & SPECIFICATIONS, OR WHERE DETAIL REFERENCES ON CONTRACT DRAWINGS HAVE BEEN OMITTED, CONTRACTOR IS DEEMED TO HAVE ESTIMATED THE MOST EXPENSIVE MATERIALS AND CONSTRUCTION INVOLVED UNLESS THEY SHALL HAVE ASKED FOR AND OBTAINED ANY WRITTEN DECISIONS FROM THE OWNER AS TO WHICH
- METHOD OR MATERIALS WILL BE REQUIRED. 31. ALL MECHANICAL & ELECTRICAL EQUIPMENT SHALL HAVE A UL DESIGN LISTING/NUMBER. ANY EQUIPMENT NOT LISTED WILL REQUIRE FIELD TESTING & CERTIFICATION BY AN APPROVED TESTING AGENCY. IT IS THE RESPONSIBILITY OF THE OWNER & THEIR DESIGN/CONSTRUCTION TEAM TO NOTIFY THE BUILDING DEPARTMENT IF FIELD-TESTING IS REQUIRED FOR ANY EQUIPMENT WITHOUT AN EQUIVALENT LISTED LABEL APPROVED BY THE LOCAL CITY OR COUNTY BUILDING DEPARTMENT PROOF OF EQUIPMENT CERTIFICATION SHALL BE SUBMITTED & APPROVED BEFORE A CERTIFICATE OF OCCUPANCY CAN BE
- 32. HAZARDOUS MATERIALS: THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, OR DISPOSAL OF OR EXPOSURE OF PERSONS TO ASBESTOS OR HAZARDOUS OR TOXIC SUBSTANCES IN ANY FORM OF THE PROJECT SITE. PROFESSIONAL SERVICES RELATED OR IN ANY WAY CONNECTED WITH THE INVESTIGATION. DETECTION. ABATEMENT. REPLACEMENT. USE. SPECIFICATION. OR REMOVAL OF PRODUCTS, MATERIALS, OR PROCESSES CONTAINING ASBESTOS OR HAZARDOUS OR TOXIC MATERIALS ARE BEYOND THE SCOPE OF THE AGREEMENT.

GENERAL CONDITIONS

- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 1) THESE PLANS AND SPECIFICATIONS, 2) THE COUNTY OF SANTA CLARA STANDARD DETAILS. 3) THE COUNTY OF SANTA CLARA STANDARD SPECS, 4) STATE OF CALIFORNIA STANDARD DETAILS, 5) STATE OF CALIFORNIA STANDARD SPECIFICATIONS. IN THE EVENT OF CONFLICT THE FORMER SHALL TAKE PRECEDENCE OVER THE LATTER. THE PERFORMANCE AND COMPLETION OF ALL WORK MUST BE TO
- THE SATISFACTION OF THE COUNTY. DEVELOPER IS RESPONSIBLE FOR INSTALLATION OF THE IMPROVEMENTS SHOWN ON THESE PLANS AND HE OR HIS
- SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THEIR CONTINUED MAINTENANCE. 3. DEVELOPER SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS OR OMISSIONS IN THESE PLANS. THE COUNTY
- SHALL BE AUTHORIZED TO REQUIRE DISCONTINUANCE OF ANY WORK AND SUCH CORRECTION AND MODIFICATION OF PLANS AS MAY BE NECESSARY TO COMPLY WITH COUNTY STANDARDS OR CONDITIONS OF DEVELOPMENT APPROVAL. 4. 4. DEVELOPER SHALL OBTAIN ENCROACHMENT PERMITS FROM THE SANTA CLARA VALLEY WATER DISTRICT AND
- CALIFORNIA DEPARTMENT OF TRANSPORTATION WHERE NEEDED. COPIES OF THESE PERMITS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY THE COUNTY'S INSPECTOR. 5. 5. DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL
- CLEARANCE FOR ROADWAY AREA. 6. 6. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND THAT ARE SHOWN TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR
- A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED. 7. DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE COUNTY INSPECTOR.
- 8. ALL PERSONS MUST COMPLY WITH SECTION 4442 OF THE PUBLIC RESOURCES CODE AND SECTION 13005 OF THE HEALTH AND SAFETY CODE RELATING TO THE USE OF SPARK ARRESTERS. 9. 9. UPON DISCOVERING OR UNEARTHING ANY BURIAL SITE AS EVIDENCED BY HUMAN SKELETAL REMAINS OR ARTIFACTS, THE PERSON MAKING SUCH DISCOVERY SHALL IMMEDIATELY NOTIFY THE COUNTY CORONER AT (408) 454-2520 AND LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299-5730. NO FURTHER DISTURBANCE OF THE SITE MAY BE MADE EXCEPT AS
- AUTHORIZED BY THE LAND DEVELOPMENT OFFICE IN ACCORD WITH PROVISIONS OF THIS ORDINANCE (COUNTY ORDINANCE CODE SECTION B6-18). 10. 10. THESE PLANS ARÉ FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED
- FOR THE SEPTIC LINE CONSTRUCTION. 11. 11. ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE-APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.



THE COUNTY OF SANTA CLARA

70 West Hedding Street East Wing, 7th Floor San Jose, California 95110 https://www.santaclaracounty.gov

NO. DATE REVISIONS

SCC STANDARD ADU - 1200 SF

PROJECT TITLE:

COUNTY PERMIT #	DEV2X-XXX
DATE:	Issue Da
SHEET TITLE:	

GENERAL NOTE

SCALE:



2022 CALGREEN RESIDENTIAL CHECKLIST (MANDATORY)

County Amendments to CALGreen are in Italics.

- Designer to cross out items that are not applicable to the project. - Installer or designer shall verify all applicable requirements have been satisfied and sign and date each row. County Inspectors will verify completion signatures and supporting documentation DURING CONSTRUCTION.

			APPLICANT TO COMPLETE Plan Check Review Data		Installer or Designer Verification	
ITEM #	CALGreen CODE SECTION	REQUIREMENT	REFERENCE SHEET	Note or Detail No.	Date	Installer or Designer Signature
		PLANNING AND DESIGN: MAND	ATORY REC	UIREMENTS		
1	4.106.2	A plan is developed and implemented to manage storm water drainage during construction.	CG-2	NOTE 1		
2	4.106.3	Construction plans indicates how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	CG-2	NOTE 2		
3	4.106.4.1	For new dwellings with attached garages and rebuild of existing dwellings that include a panel upgrade or construction between panel and parking area, a Level 2 EV Ready Space and Level 1 EV Ready Space, is installed.	CG-2	NOTES 3 & 4		
	ENERGY EFFICIENCY: MANDATORY REQUIRMENTS					
4	4.201.1	Building meets or exceeds the requirements of the California Building Energy Efficiency Standards.	T24 SHEETS			
	W	ATER EFFICIENCY & CONSERVATION	: MANDATO	RY REQUIREME	NTS	
5	4.303.1	Plumbing Fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings comply with CALGreen Sections 4.303.1.1 through 4.303.1.4.	CG-2	NOTE 5		
6	4.303.3	Plumbing fixtures and fittings required in CALGreen Section 4.303.1 are installed in accordance with the CPC and meet the applicable referenced standards.	CG-2	Note 6		
7	4.304.1	Outdoor potable water use in landscape areas comply with a local water efficient landscape or the current California DWR MWELO, whichever is more stringent.	CG-2	Note 7		
8		Not Used				

	TABLE 4.504.1	
	ADHESIVE VOC LIMIT ^{1, 2}	
41	and Evenuet Commounds in t	C

ARCHITECTURAL APPLICATIONS	VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	50
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	250
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

1. If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule

SEALANTS	VOC LIMIT
Architectural	250
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural Nonporous Porous	250 775
Modified bituminous	500
Marine deck	760

TABLE 4.504.3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS^{2, 3}

COATING CATEGORY	VOC LIMIT
Flat coatings	50
Nonflat coatings	100
Nonflat-high gloss coatings	150
SPECIALTY COATINGS	
Aluminum roof coatings	400
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire resistive coatings	350
Floor coatings	100
Form-release compounds	250
Graphic arts coatings (sign paints)	500
High temperature coatings	420
Industrial maintenance coatings	250
Low solids coatings ¹	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	500
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Rust preventative coatings	250
Shellacs	250
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Fraffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zine-rich primers	340
ii primero	210

subsequent columns in the table. 3. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

			APPLICANT TO COMPLETE Plan Check Review Data		Installer or Designer Verification	
ITEM #	CALGreen CODE SECTION	REQUIREMENT	REFERENCE SHEET	Note or Detail No.	Date	Installer or Designer Signature
	MATERIA	L CONSERVATION & RESOURCE EFFI	CIENCY: MA	NDATORY REQU	IREME	NTS
9	4.406.1	Annular spaces around pipes, electric cables, conduits or other openings in plates at exterior walls are protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or similar method acceptable to the County of Santa Clara.	CG-2	Note 9		
10	4.408.1	Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste. Submit either a Construction Waste management plan (CALGreen 4.408.2) or Utilize a waste management company (CALGreen 4.408.3).	CG-2	Note 10		
11	4.408.5	Documentation is provided to County of Santa Clara which demonstrates compliance with CALGreen sections 4.408.2 or 4.408.3.	CG-1	Construction Waste Management Forms Note 11		
12	4.410.1	An operation and maintenance manual is placed in the building at the time of final inspection.	CG-2	Note 12		
		ENVIRONMENTAL QUALITY: MAN	IDATORY RE	QUIREMENTS		
		Any installed gas fireplace is a direct-		**		
13	4.503.1	vent sealed-combustion type. Any installed woodstove or pellet stove comply with US EPA Phase II emission	CG-2	Note 13		
14	4.504.1	limits where applicable. Duct openings and other related air distribution component openings are covered during construction until final startup of the HVAC equipment.	CG-2	Note 14		
15	4.504.2.1	Adhesives, sealants and caulks are compliant with VOC and other toxic compound limits.	CG-1 CG-2	Table 4.504.1 Table 4.504.2 Note 15		
16	4.504.2.2	Architectural paints and coatings are compliant with VOC limits.	CG-1	Table 4.504.3 Note 16		
17	4.504.2.3	Aerosol paints and coatings are compliant with product weighted MIR limits for ROC and other toxic compounds.	CG-2	Note 17		
18	4.504.2.4	Documentation are provided to the County of Santa Clara to verify that compliant VOC limit finish materials have been used.	CG-2	Note 18		
19	4.504.3	Carpet and carpet systems meet the applicable testing and product requirements.	CG-1 CG-2	Table 4.504.1 Note 19		
20	4.504.4	80 percent of floor area receiving resilient flooring comply with applicable standards.	CG-2	Note 20		
21	4.504.5	Hardwood plywood, particleboard and medium density fiberboard composite wood meet formaldehyde limits.	CG-1 CG-2	Table 4.504.5 Note 21		
	L.	Twood meets of maldenyde minits.	CG-2	MOLE 21		

				TO COMPLETE k Review Data	Installer or Designer Verification	
ITEM #	CALGreen CODE SECTION	REQUIREMENT	REFERENCE SHEET	Note or Detail No.	Date	Installer or Designer Signature
	El	NVIRONMENTAL QUALITY: MANDATO	RY REQUIRE	MENTS (Continu	ued)	
22	4.504.5.1	Documentation is provided to the County of Santa Clara to verify composite wood meets applicable formaldehyde limits.	CG-2	Note 22		
23	4.505.2	Vapor retarder and capillary break is installed at slab-on-grade foundations.	CG-2	Note 23		
24	4.505.3	Moisture content of building materials used in wall and floor framing do not exceed 19% prior to enclosure and is checked before enclosure. Insulation products are dry prior to enclosure.	CG-2	Note 24		
25	4.506.1	Each bathroom is mechanically ventilated and comply with applicable requirements.	CG-2	Note 25		
26	4.507.2	Heating and air-conditioning systems are sized, designed, and equipment is selected by using one of the methods listed.	CG-2	Note 26		
	INSTALLE	R AND SPECIAL INSPECTOR QUALIFI	CATIONS: M	ANDATORY REQ	UIREM	ENTS
27	702.1	HVAC system installers are trained and certified in the proper installation of HVAC systems.	CG-2	Note 27		
28	702.2	If required by County of Santa Clara, owner or owner's agent shall employ special inspector who are qualified and able to demonstrate competence in the discipline they are inspecting.	CG-2	Note 28		
29	703.1	Documentation used to show compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to County of Santa Clara which show substantial conformance.	CG-2	Note 29		

TABLE 4.504.5 FORMALDEHYDE LIMITS¹

PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard ²	0.13

Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E1333. For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12. 2. Thin medium density fiberboard has a maximum thickness of 5/16 inch (8 mm).

Construction Waste Management (CWM) Plan

Fill out the form including diversion rate and facility names and addresses

Project Name:	Legend:	
Job #:		Hauling Company
Project Manager:		Sorting Facility Name and Loca
Waste Hauling Company:		Disposal Service Company
Contact Name:		

All Subcontractors shall comply with the project's Construction Waste Management Plan. All Subcontractor foremen shall sign the CWM Plan Acknowledgment Sheet.

Subcontractors who fail to comply with the Waste Management Plan will be subject to backcharges or withholding of payment, as deemed appropriate. For instance, Subcontractors who contaminate debris boxes that have been designated for a single material type will be subject to backcharge or withheld payment, as deemed appropriate.

1. The project's overall rate of waste diversion will be ______%.

rates for these materials.

- 2. This project shall generate the least amount of waste possible by planning and ordering carefully, following all proper storage and handling procedures to reduce broken and damaged materials and reusing materials whenever possible. The majority of the waste that is generated on this jobsite will be diverted from the landfill and recycled for other use. 3. Spreadsheet 1, enclosed, identifies the waste materials that will be generated on this project, the diversion strategy for each waste type
- and the anticipated diversion rate. 4. Waste prevention and recycling activities will be discussed at the beginning of weekly subcontractor meetings. As each new subcontractor comes on-site, the WMP Coordinator will present him/her with a copy of the CWM Plan and provide a tour of the jobsite to identify materials to be salvaged and the procedures for handling jobsite debris. All Subcontractor foremen will acknowledge in writing that they have read and will abide by the CWM Plan. Subcontractor Acknowledgment Sheet enclosed. The CWM Plan will be
- 5. Salvage: Excess materials that cannot be used in the project, nor returned to the vendor, will be offered to site workers, the owner, or donated to charity if feasible.
- will provide a commingled drop box at the jobsite for most of the construction waste. These commingled drop boxes will be taken to ______. The average diversion rate ______ for commingled waste will be ______%. As site conditions permit, additional drop boxes will be used for particular phases of construction (e.g., concrete and wood waste) to ensure the highest waste diversion rate possible.
- 7. In the event that the waste diversion rate achievable via the strategy described in (6) above, is projected to be lower than what is required, then a strategy of source-separated waste diversion and/or waste stream reduction will be implemented. Source separated waste refers to jobsite waste that is not commingled but is instead allocated to a debris box designated for a single material type, such as clean wood or metal.
 - 1. Waste stream reduction refers to efforts taken by the builder to reduce the amount of waste generated by the project to below four (4) pounds per square foot of building area.
 - 2. When using waste stream reduction measures, the gross weight of the product is subtracted from a base weight of four (4) pounds per square foot of building area. This reduction is considered additional diversion and can be used in the waste reduction percentage calculations.
- will track and calculate the quantity (in tons) of all waste leaving the project and calculate the waste diversion rate for the project. will provide Project Manager with an updated monthly report on gross weight hauled and the waste diversion rate being achieved on the project. monthly report will track separately the gross weights and diversion rates for commingled debris and for each source-separated waste stream leaving the project. In the event does not service any or all of the debris boxes on the project, the with the responsible parties to track the material type and weight (in tons) in such debris boxes in order to determine waste diversion
- 9. In the event that Subcontractors furnish their own debris boxes as part of their scope of work, such Subcontractors shall not be excluded from complying with the CWM Plan and will provide weight and waste diversion data for their
- 10. In the event that site use constraints (such as limited space) restrict the number of debris boxes that can be used for collection of designated waste the project Superintendent will, as deemed appropriate, allocate specific areas onsite where individual material types are to be consolidated. These collection points are not to be contaminated with non-designated waste types.
- 11. Debris from jobsite office and meeting rooms will be collected by will, at a minimum, recycle office paper, plastic, metal and cardboard.

Construction Waste Management (CWM) Worksheet

Project Name:	
Job Number:	
Project Manager:	
Waste Hauling Company:	
Construction Waste Management (CWM) Plan	

	DIVERSION	METHOD:	PROJECTED
WASTE MATERIAL TYPE	COMMINGLED AND SORTED OFF SITE	SOURCE SEPARATED ON SITE	DIVERSION RATE
Asphalt			
Concrete			
Shotcrete			
Metals			
Wood			
Rigid insulation			
Fiberglass insulation			
Acoustic ceiling tile			
Gypsum drywall			
Carpet/carpet pad			
Plastic pipe			
Plastic buckets			
Plastic			
Hardiplank siding and boards			
Glass			
Cardboard			
Pallets			
Job office trash, paper, glass & plastic bottles, cans, plastic			
Alkaline and rechargeable batteries, toner cartridges, and electronic devices			
Other:			

Construction Waste Management (CWM) Acknowledgment

			ā "	y
Note: This sample form may be	e used to assist in docum	enting compl	iance with the v	waste management plan.
Project Name:				
Job Number:				
Project Manager:				
Waste Hauling Company:				

The Foreman for each new Subcontractor that comes on site is to receive a copy of the Construction Waste Management Plan and complete this Acknowledgment Form. I have read the Waste Management Plan for the project; I understand the goals of this plan and agree to follow the procedures described in this

CWM Plan Acknowledgment

DATE	SUBCONTRACTOR COMPANY NAME	FOREMAN NAME	SIGNATURE



THE COUNTY OF SANTA CLARA

70 West Hedding Street East Wing, 7th Floor San Jose, California 95110 https://www.santaclaracounty.gov

Э.	DATE	REVISIONS

PROJECT TITLE:

SCC STANDARD ADU - 1200 SF

Enter address here

COUNTY PERMIT#	DEV2X-XXX
DATE:	Issue Da
SHEET TITLE:	

COUNTY CALGREEN

SCALE:

CALGREEN 2022 NOTES - MANDATORY REQUIREMENTS:

1. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL AND ARE NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION. SEE CALGREEN 4.106.2 FOR FURTHER DETAILS.

2. CONSTRUCTION PLANS SHALL INDICATE HOW THE SITE GRADING OR DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS. SWALES, WATER COLLECTION AND DISPOSAL SYSTEMS, FRENCH DRAINS, WATER RETENTION GARDENS, AND OTHER MEASURES CAN BE USED. EXCEPTION: ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH.

3. FOR ANY NEW DWELLING UNITS WITH ATTACHED GARAGES AND FOR REBUILDS OF EXISTING DWELLING UNITS THAT INCLUDE A PANEL UPGRADE OR CONSTRUCTION BETWEEN THE PANEL AND PARKING AREA, INSTALL A LEVEL 2 EV READY SPACE AND LEVEL 1 EV READY SPACE. THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "LEVEL 2 EV-READY."

EXCEPTION: FOR EACH DWELLING UNIT WITH ONLY ONE PARKING SPACE, INSTALL A LEVEL 2 EV READY SPACE.

LEVEL 1 EV READY SPACE IS A PARKING SPACE SERVED BY A COMPLETE ELECTRIC CIRCUIT WITH A MINIMUM OF 110/120 VOLT, 20-AMPERE CAPACITY, INCLUDING ELECTRICAL PANEL CAPACITY; AN OVERPROTECTION DEVICE; A MINIMUM 1" DIAMETER RACEWAY THAT MAY INCLUDE MULTIPLE CIRCUITS AS ALLOWED BY THE COUNTY ELECTRICAL CODE; PROPERLY SIZED CONDUCTORS; GROUNDING AND BONDING; AND EITHER (A) A RECEPTACLE LABELLED "ELECTRIC VEHICLE OUTLET" WITH AT LEAST A ½" FONT ADJACENT TO THE PARKING SPACE, OR (B) LABELED ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE).

LEVEL 2 EV READY SPACE IS A PARKING SPACE SERVED BY A COMPLETE ELECTRIC CIRCUIT WITH A MINIMUM OF 208/240 VOLT, 40-AMPERE CAPACITY, INCLUDING THE REQUIRED ELECTRICAL PANEL CAPACITY; AN OVERCURRENT PROTECTION DEVICE; A MINIMUM 1" DIAMETER RACEWAY THAT MAY INCLUDE MULTIPLE CIRCUITS AS ALLOWED BY THE COUNTY ELECTRICAL CODE; PROPERLY SIZED CONDUCTORS; GROUNDING AND BONDING; AND EITHER (A) A RECEPTACLE LABELED "ELECTRIC VEHICLE OUTLET" WITH A MINIMUM ½" FONT, ADJACENT TO THE PARKING SPACE, OR (B) A BLANK LABELED ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) WITH A MINIMUM OUTPUT OF 40 AMPERES.

4. ACCESSORY DWELLING UNITS (ADU) AND JUNIOR ACCESSORY DWELLING UNITS (JADU) WITHOUT ADDITIONAL PARKING SPACES AND WITHOUT ELECTRICAL PANEL UPGRADE OR NEW PANEL INSTALLATION ARE EXEMPT FROM REQUIREMENTS ON NOTE 3. ADUS AND JADUS WITHOUT ADDITIONAL PARKING BUT WITH ELECTRICAL PANEL UPGRADES OR NEW PANELS MUST HAVE RESERVED BREAKERS AND ELECTRICAL CAPACITY ACCORDING TO THE REQUIREMENTS OF NOTE 3.

5. ALL NONCOMPLIANT PLUMBING FIXTURES SHALL BE REPLACED WITH WATER-CONSERVING PLUMBING FIXTURES. PLUMBING FIXTURE REPLACEMENT IS REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF FINAL COMPLETION, CERTIFICATE OF OCCUPANCY, OR FINAL PERMIT APPROVAL BY BUILDING AND INSPECTION DIVISION. SEE CIVIL CODE SECTION 1101.1, ET SEQ., FOR THE DEFINITION OF A NONCOMPLIANT PLUMBING FIXTURE, TYPES OF RESIDENTIAL BUILDINGS AFFECTED AND OTHER IMPORTANT ENACTMENT DATES.

- A. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.
- B. SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS.
- C. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL SHOWER-HEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME. A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD.
- D. THE MAXIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS PER MINUTE AT 60 PSI. THE MINIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT BE LESS THAN 0.8 GALLONS PER MINUTE AT 20 PSI.
- E. THE MAXIMUM FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.
- **6.** PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE.
- 7. RESIDENTIAL DEVELOPMENTS SHALL COMPLY WITH COUNTY OF SANTA CLARA WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO), WHICHEVER IS MORE STRINGENT.

8. Not used.

9. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE COUNTY OF SANTA CLARA.

10. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH CALGREEN SECTION 4.408.2 OR 4.408.3.

- A. A CONSTRUCTION WASTE MANAGEMENT PLAN IS PROVIDED. THE CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE AVAILABLE DURING CONSTRUCTION FOR EXAMINATION BY THE COUNTY OF SANTA CLARA
- 1. IDENTIFY THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.
- 2. SPECIFY IF CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE SORTED ON-SITE (SOURCE-SEPARATED) OR BULK MIXED (SINGLE STREAM).
- 3. IDENTIFY DIVERSION FACILITIES WHERE THE CONSTRUCTION AND DEMOLITION WASTE MATERIAL WILL BE TAKEN.
- 4. IDENTIFY CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE GENERATED.
- Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
- B. A WASTE MANAGEMENT COMPANY CAN BE UTILIZED IF APPROVED BY THE COUNTY OF SANTA CLARA. SEE CALGREEN 4.408.3 FOR FURTHER .DETAILS

11. DOCUMENTATION SHALL BE PROVIDED TO THE COUNTY OF SANTA CLARA WHICH DEMONSTRATES COMPLIANCE WITH NOTE 10.

12. AT THE TIME OF FINAL INSPECTION, A MANUAL, COMPACT DISC, WEB-BASED REFERENCE, OR OTHER MEDIA ACCEPTABLE TO THE COUNTY OF SANTA CLARA INCLUDES ALL OF THE REQUIRED INFORMATION, SHALL BE PLACED IN THE BUILDING. SEE CALGREEN 4.410.1 FOR DETAILS OF REQUIRED INFORMATION.

13. ANY INSTALLED GAS FIREPLACE SHALL BE A DIRECT-VENT SEALED-COMBUSTION TYPE. ANY INSTALLED WOODSTOVE OR PELLET STOVE SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE A PERMANENT LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS. WOODSTOVES, PELLET STOVES AND FIREPLACES SHALL ALSO COMPLY WITH APPLICABLE SANTA CLARA COUNTY ORDINANCES AND BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGULATION 6, RULE 3.

14. AT THE TIME OF ROUGH INSTALLATION, DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE COUNTY OF SANTA CLARA TO REDUCE THE AMOUNT OF WATER, DUST AND DEBRIS, WHICH MAY ENTER THE SYSTEM.

15. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF CALGREEN TABLES 4.504.1 OR 4.504.2 AS REPRODUCED ON SHEET CG-1. SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS, AS SPECIFIED BELOW.

AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN 1 POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507

16. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS AS SHOWN IN TABLE 4.504.3 SHEET CG-1. THE VOC CONTENT LIMIT FOR COATINGS THAT DO NOT MEET THE DEFINITIONS FOR THE SPECIALTY COATINGS CATEGORIES LISTED IN TABLE 4.504.3 SHALL BE DETERMINED BY CLASSIFYING THE COATING AS A FLAT, NONFLAT OR NONFLAT-HIGH GLOSS COATING, BASED ON ITS GLOSS, AS DEFINED IN SUBSECTIONS 4.21, 4.36, AND 4.37 OF THE 2007 CALIFORNIA AIR RESOURCES BOARD, SUGGESTED CONTROL MEASURE, AND THE CORRESPONDING FLAT, NONFLAT OR NONFLAT-HIGH GLOSS VOC LIMIT IN TABLE 4.504.3, SHEET CG-1 SHALL APPLY.

17. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(A)(2) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES, IN SECTIONS 94522(E)(1) AND (F)(1) OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94520; AND IN AREAS UNDER THE JURISDICTION OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT ADDITIONALLY COMPLY WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMITS OF REGULATION 8, RULE 49.

18. VERIFICATION OF COMPLIANCE WITH NOTES 15, 16, AND 17 SHALL BE PROVIDED AT THE REQUEST OF THE COUNTY OF SANTA CLARA.

19. ALL CARPET AND CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350)

ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 4.504.1, SHEET CG-1.

20. WHERE RESILIENT FLOORING IS INSTALLED, AT LEAST 80 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350)

21. HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN TABLE 4.504.5 SHEET CG-1.

22. VERIFICATION OF COMPLIANCE WITH NOTE 21 SHALL BE PROVIDED AT THE REQUEST OF THE COUNTY OF SANTA CLARA.

23. CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER BY CBC, CHAPTER 19 OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY CRC CHAPTER 5, SHALL COMPLY WITH FOLLOWING REQUIREMENT:

A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING:

- A. A 4-INCH-THICK BASE OF 1/2 INCH OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING, SHRINKAGE, AND CURLING, SHALL BE USED.
- B. A SLAB DESIGN SPECIFIED BY THE LICENSED DESIGN PROFESSIONAL

24. BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19 PERCENT MOISTURE CONTENT. INSULATION PRODUCTS WHICH ARE VISIBLY WET OR HAVE A HIGH MOISTURE CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES. WET-APPLIED INSULATION PRODUCTS SHALL FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE.

25. EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING:

- A. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.
- B. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
- HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF ≤ 50 PERCENT TO A MAXIMUM OF 80 PERCENT. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT.
- 2. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL.

26. HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THEIR EQUIPMENT SELECTED USING THE FOLLOWING METHODS:

- A. THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUAL J—2016 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- B. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA 1 MANUAL D—2016 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- C. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S—2014 (RESIDENTIAL EQUIPMENT SELECTION) OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

27. HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS.

28. IF REQUIRED BY THE COUNTY OF SANTA CLARA, THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE. SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE COUNTY OF SANTA CLARA FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CODE.

29. DOCUMENTATION USED TO SHOW COMPLIANCE WITH THIS CODE SHALL INCLUDE BUT IS NOT LIMITED TO, CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION, INSPECTION REPORTS, OR OTHER METHODS ACCEPTABLE TO THE COUNTY OF SANTA CLARA WHICH DEMONSTRATE SUBSTANTIAL CONFORMANCE. WHEN SPECIFIC DOCUMENTATION OR SPECIAL INSPECTION IS NECESSARY TO VERIFY COMPLIANCE, THAT METHOD OF COMPLIANCE WILL BE SPECIFIED IN THE APPROPRIATE SECTION OR IDENTIFIED IN THE APPLICATION CHECKLIST.



THE COUNTY OF SANTA CLARA

70 West Hedding Street
East Wing, 7th Floor
San Jose, California 95110
408.299.5700
https://www.santaclaracounty.gov

PROJECT TITLE:

SCC STANDARD ADU - 1200 SF

Enter address here

COUNTY PERMIT # DEV2X-XXXX

DATE: Issue Date

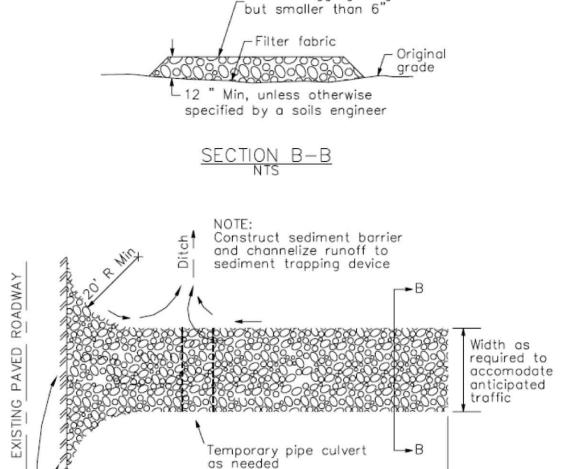
SHEET TITLE:

COUNTY CALGREEN
CHECKLIST

SCALE:

G.

Stabilized Construction Entrance/Exit CASQA Detail TC-1



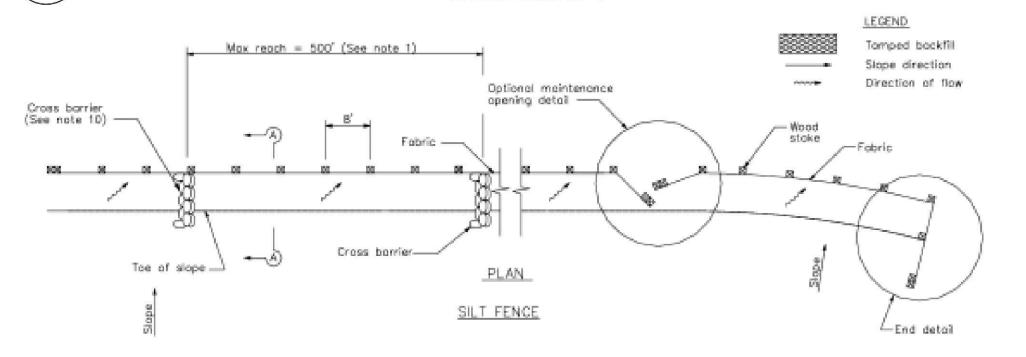
or four times the circumference

of the largest construction vehicle tire,

whichever is greater

_Crushed aggregate greater than 3"

Silt Fence

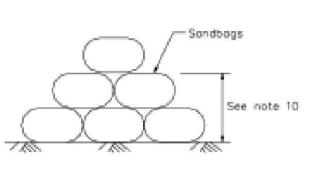


CASQA Detail SE-1

NOTES

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

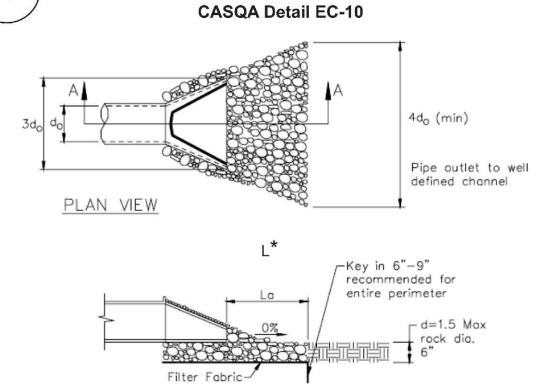
CROSS BARRIER DETAIL



(SEE NOTE 11)

SECTION C-C

Velocity Dissipation Devices



SECTION A-A

Existing

* Length per ABAG Design Standards

Silt Fence

Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

CASQA Detail SE-1 -Setback varies (See note 4) Tamped backfill — 2" X 2" Wood stoke (See notes 3 & 5) Slope direction Direction of flow Fabric section / (See notes 6, 7 JOINING SECTION DETAIL (TOP VIEW) SECTION A-A STAPLE DETAIL END STAKE DETAIL (TOP VIEW) (SEE NOTE 9) -Sandbags (2-layers high) DETAIL A END DETAIL OPTIONAL MAINTENANCE OPENING DETAIL

STANDARD BEST MANAGEMENT PRACTICE NOTES

- 1. Solid and Demolition Waste Management: Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or
- 2. <u>Hazardous Waste Management</u>: Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- 3. Spill Prevention and Control: Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- 4. Vehicle and Construction Equipment Service and Storage: An area shall be designated for the maintenance, where onsite maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or
- 5. Material Delivery, Handling and Storage: In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- 6. Handling and Disposal of Concrete and Cement: When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- 7. Pavement Construction Management: Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- 8. Contaminated Soil and Water Management: Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or
- Sanitary/Septic Water Management: Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or
- 10. Inspection & Maintenance: Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

1. Sediment Control Management:

<u>Tracking Prevention & Clean Up</u>: Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.

Storm Drain Inlet and Catch Basin Inlet Protection: All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber roles or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.

Storm Water Runoff: No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed

<u>Dust Control</u>: The contractor shall provide dust control in graded areas as required by providing wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.

Stockpiling: Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures(tarps, straw bales, silt fences, ect.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.

- 2. <u>Erosion Control</u>: During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- 3. <u>Inspection & Maintenance</u>: Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/ or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- 4. Project Completion: Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
- 5. It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- 6. Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.



THE COUNTY OF SANTA CLARA

70 West Hedding Street East Wing, 7th Floor San Jose, California 95110 https://www.santaclaracounty.gov

PROJECT TITLE:

SCC STANDARD ADU - 1200 SF

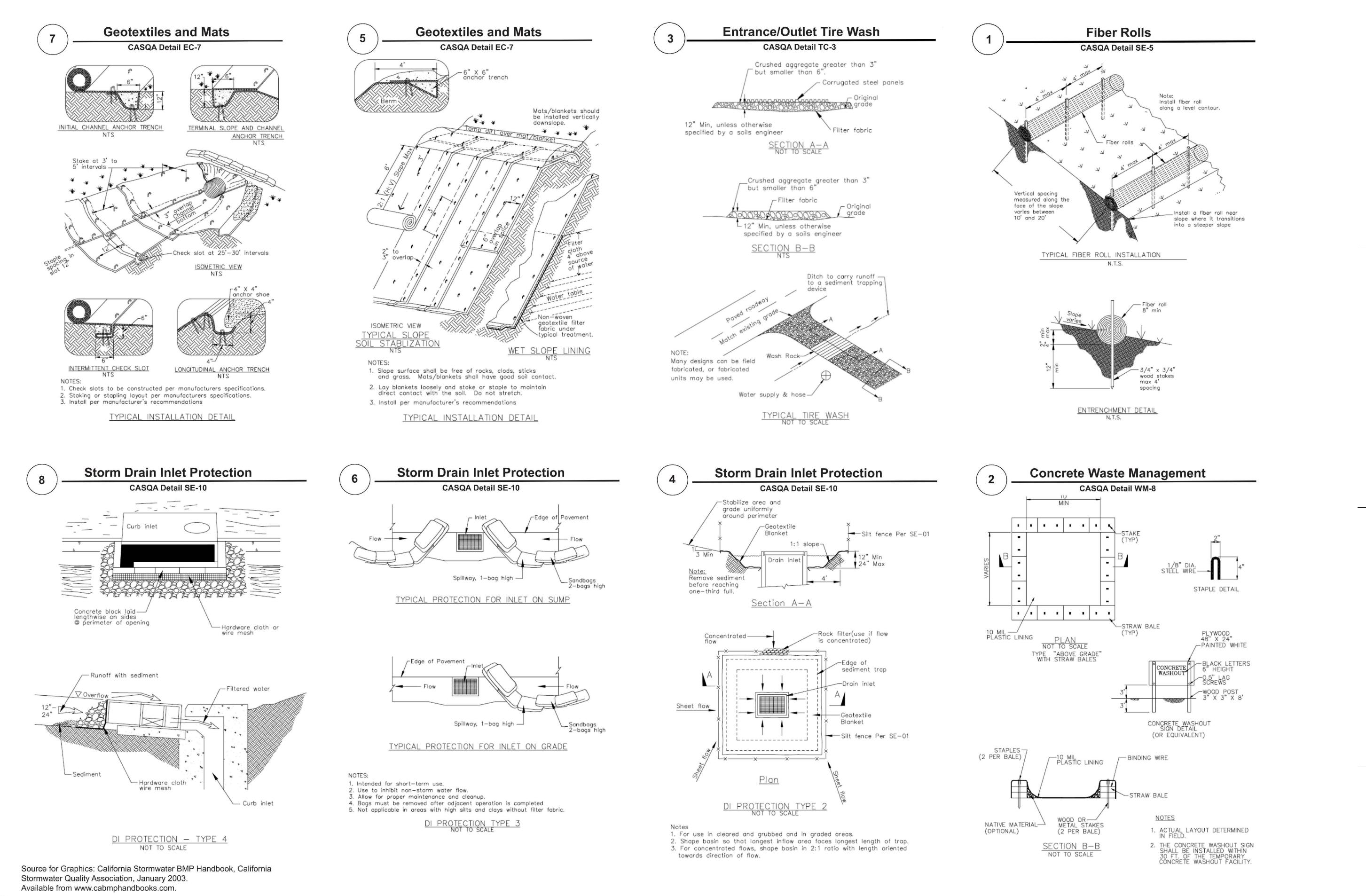
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COUNTY PERMIT #	DEV2X-XX
DATE:	Issue Da
SHEET TITLE:	

BEST MANAGEMENT PRACTICES & **EROSION CONTROL DETAILS**

SCALE:

Best Management Practices and Erosion Control Details Sheet 1 County of Santa Clara



Best Management Practices and Erosion Control Details Sheet 2 County of Santa Clara



COUNTY * 1850 1850 1850

THE COUNTY OF SANTA CLARA

70 West Hedding Street
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NO.	DATE	REVISIONS	

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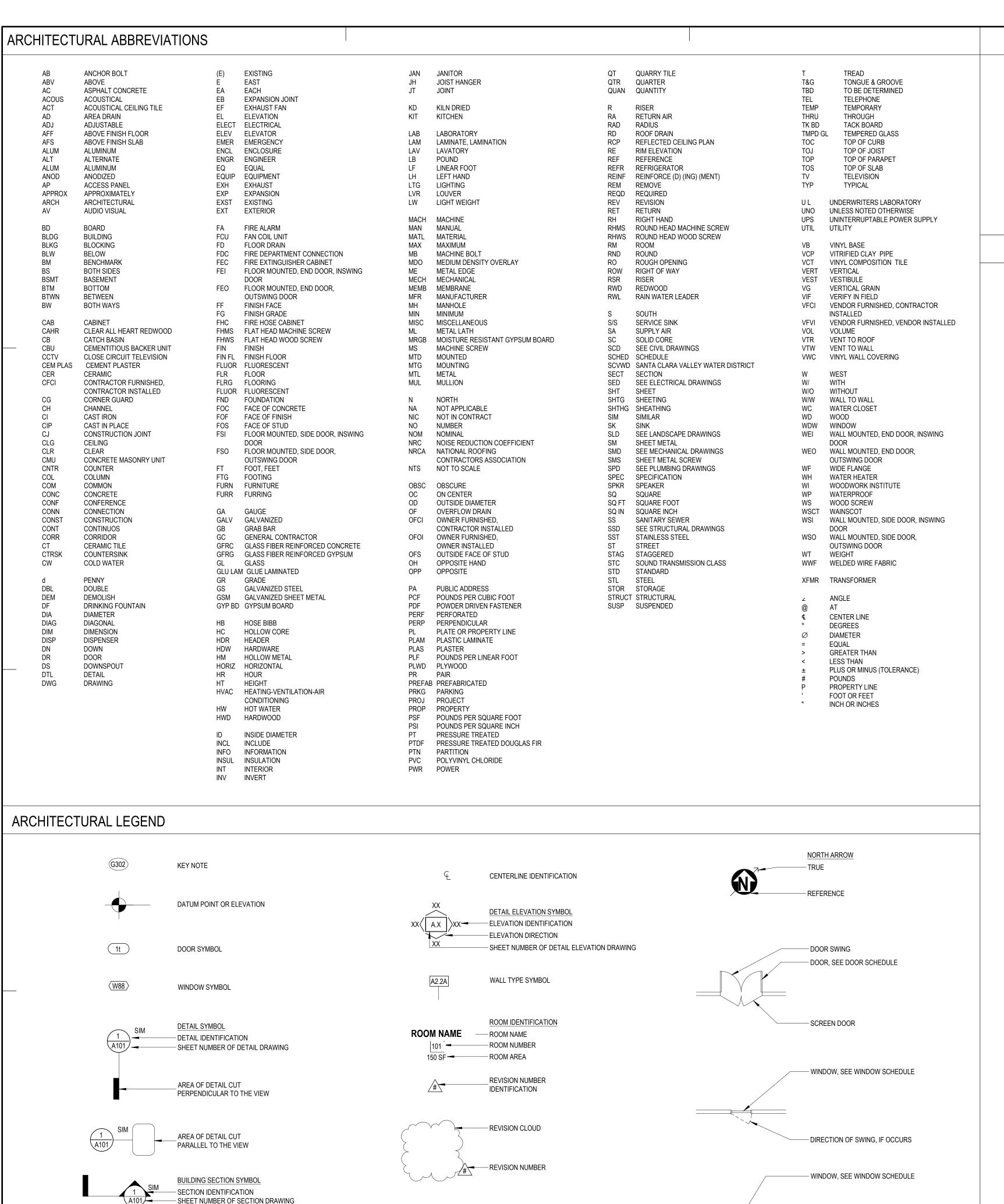
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SHEET TITLE:	

BEST MANAGEMENT
PRACTICES &
EROSION CONTROL
DETAILS

SCALE:



(A)

(A.1) GRID OR COLUMN LINES

EXTERIOR ELEVATION SYMBOL

- SHEET NUMBER OF ELEVATION DRAWING

- ELEVATION DIRECTION

- ELEVATION IDENTIFICATION

ARCHITECTURAL GENERAL NOTES

- THE FOLLOWING GENERAL NOTES APPLY TO ALL ARCHITECTURAL DRAWINGS. FOR NOTES APPLICABLE TO ALL DRAWINGS OF ALL DISCIPLINES, REFER TO THE "PROJECT GENERAL NOTES" - SEE SHEET G.2.
- 2. THIS SHEET LISTS STANDARDS, SYMBOLS, AND ABBREVIATIONS. ITEMS SHOWN ON THIS SHEET DO NOT NECESSARILY APPEAR WITHIN THE PROJECT DRAWINGS.
- 3. FOR TYPICAL DIMENSIONING CONVENTIONS, INCLUDING RULES FOR LOCATING DOORS FOR WHICH DIMENSIONS HAVE NOT BEEN SHOWN, REFER TO "ARCHITECTURAL DIMENSIONING CONVENTIONS" ON THIS SHEET.
- 4. FOR ILLUSTRATION AND DEFINITION OF TYPICAL SYMBOLS USED ON ARCHITECTURAL DRAWINGS, SEE "ARCHITECTURAL LEGEND" ON THIS SHEET.
- 5 ADDITIONAL SYMBOLS, NOT SHOWN OR DEFINED ON THIS SHEET MAY OCCUR AND ARE DEFINED ON OTHER ARCHITECTURAL DRAWINGS.
- 6. PROVIDE ISOLATION BETWEEN DISSIMILAR METALS AS REQUIRED TO PREVENT CORROSION / GALVANIC ACTION.
- 7. CEMENTIOUS BACKER BOARD SHALL BE INSTALLED AS SUBSTRATE UNDER TILE

ARCHITECTURAL DIMENSIONING CONVENTIONS

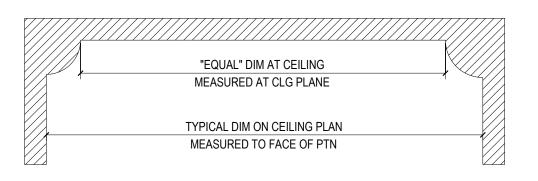
- 1. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF THE WORK AT THE "APPROXIMATE LOCATION SHOWN," DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN, OR MAY BE DERIVED FROM THOSE SHOWN, ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES, AND SPECIFICATIONS. SEE NOTES ON THIS SHEET AND SYMBOLS ON "ARCHITECTURAL SYMBOLS" DRAWING FOR DIMENSION CONVENTIONS USED ON THIS PROJECT.
- 2. EXCEPT WHERE SPECIFICALLY NOTED TO THE CONTRARY, ALL DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS CONFORM TO THE FOLLOWING CONVENTIONS:
- A. DIMENSIONS UTILIZING THE "CENTER LINE" SYMBOL ARE MEASURED TO:
- STRUCTURAL OR DIMENSIONAL GRID LINES.
- CENTER LINE OF DOOR, WINDOW, OR LOUVER OPENING.
- CENTER LINE OF EQUIPMENT OR FURNISHING.
- CENTER LINE OF OTHER FEATURES AS INDICATED.

WHICH MAY BE ADDED TO SUCH WALLS).

- B. REFER TO ARCHTIECTURAL LEGEND FOR ILLUSTRATION OF SYMBOL USED TO INDICATE CENTER LINE DIMENSION.
- C. DIMENSIONS UTILIZING THE "FACE OF" SYMBOL ARE MEASURED TO

THICKNESS WHICH MAY BE ADDED TO SUCH WALLS).

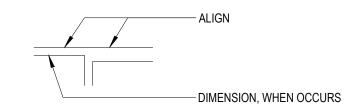
- FACE OF CONCRETE OR CONCRETE MASONRY UNIT WALL
 (EXCLUSIVE OF APPLIED FINISHES HAVING THICKNESS OR FURRING)
- FACE OF EXTERIOR STUDS (EXCLUSIVE OF APPLIED FINISHES HAVING
- FACE OF INTERIOR PARTITIONS ASSEMBLY (EXCLUSIVE OF APPLIED FINISHES HAVING THICKNESS WHICH MAY BE ADDED TO SUCH WALLS) AS DEFINED BY THE PARTITION SCHEDULE. UNLESS NOTED AS A "FACE OF FINISH" OR "CLEAR" DIMENSION (SEE NOTES BELOW), DIMENSIONS ARE NOT MEASURED TO THE FACE OF APPLIED FINISH. REFER TO THE "PARTITION SCHEDULE" TO DETERMINE THE THICKNESS OF EACH PARTITION ASSEMBLY TYPE.
- INSIDE EDGE OF FINISHED DOOR OPENING. REFER TO "DOOR SCHEDULE" FOR ADDITIONAL INFORMATION.
- DIMENSION OR WORK POINT AS INDICATED ON RELATED ARCHITECTURAL DETAIL PLAN, SECTION, ELEVATION, CONFIGURATION DETAIL OR CONSTRUCTION DETAIL
- D. WHERE "FACE OF FINISH" OR "CLEAR" DIMENSIONS ARE SPECIFICALLY NOTED, DIMENSION IS MEASURED TO:
- FINISH FACES AT THE MOST NARROW OR CONSTRICTED POINTS OF THE SECTION WHERE THE DIMENSION IS SHOWN WHEN THE DIMENSION OCCURS ACROSS AN OPEN SPACE: IN THIS CASE, A "FACE OF FINISH" DIMENSION IS EQUIVALENT TO A "CLEAR" DIMENSION.
- FINISH FACES AT THE WIDEST OR MOST EXPANSIVE POINTS OF THE SECTION WHERE THE DIMENSION IS SHOWN WHEN THE DIMENSION OCCURS ACROSS AN OBJECT OR GROUP OF OBJECTS
- E. WHERE "EQUAL" DIMENSIONS ARE USED ON REFLECTED CEILING PLANS TO LOCATE CEILING GRID WORK POINTS. MEASURE DIMENSIONS TO:
- EDGE OF THE INDICATED CEILING AT THE FACE OF THE ADJACENT APPLIED FINISH MEASURED AT THE PLANE OF THE CEILING. CAUTION: DUE TO POSSIBLE APPLICATION OF APPLIED FINISHES WHOSE THICKNESS MAY VARY BETWEEN FLOOR AND CEILING AND WHOSE THICKNESS IS NOT ACCOUNTED FOR (EXCEPT AS INDICATED BY "FOF" OR "CLEAR" BY DIMENSIONS SHOWN ON THE FLOOR PLANS, THE CONTRACTOR MUST ADJUST, AS NECESSARY, THE FLOOR PLAN DIMENSIONS TO REFLECT CONDITIONS AT PLANE OF THE CEILING.



- 3. WHERE DIMENSIONS ARE NOT PROVIDED ON THE FLOOR PLANS TO LOCATE DOOR OPENINGS, APPLY THE FOLLOWING RULES, IN ORDER, TO DETERMINE THE LOCATION OF THE DOOR OPENINGS:
 - A. DOOR OPENINGS MAY BE DIMENSIONED ON DRAWINGS OTHER THAN THE FLOOR PLANS. REFER TO THE SECTIONS, ELEVATIONS, DETAILS, AND DOOR SCHEDULE NOTES FOR ADDITIONAL DIMENSIONAL INFORMATION
- B. WHERE THE HINGE-SIDE OF A DOOR IS SHOWN ADJACENT TO A WALL, OR WALLS, PERPENDICULAR TO THE WALL IN WHICH THE DOOR OCCURS, LOCATE THE HINGE-SIDE FINISHED EDGE OF THE DOOR OPENING 4 INCHES FROM THE FACE (EXCLUSIVE OF ANY APPLIED FINISH) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.



4. WHERE INTERIOR PARTITIONS OF UNEQUAL THICKNESS ABUT, ALIGN EXPOSED FACES, UNLESS NOTED OTHERWISE.



- 5. ALL INTERIOR PARTITIONS SHOWN ON GRID LINE TO BE CENTERED ON GRID LINE, UNLESS NOTED OTHERWISE.
- 6. EXTERIOR CLADDING DIMENSIONS ARE TYPICALLY TO CENTER LINE OF COLUMN, JOINT, OR WINDOW MULLION UNLESS NOTED OTHERWISE, WHERE OCCURS.

DIMENSION SHOWN TO:
- CENTERLINE OF ASSEMBLY
- CENTER OF OPENING
- CENTERLINE OF
EQUIPMENT/FURNISHINGS

DIMENSION SHOWN TO:
- PARTITION ASSEMBLY
- EDGE OF DOOR SWING
- OTHER ASSEMBLY
- WORK POINTS INDICATED
ON DETAILS

7. WHERE WINDOWS OR DOOR DIMENSIONS ARE NOT SHOWN, CENTER THE OPENING ON INTERIOR FACE OF WALL.



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PROJECT TITLE:

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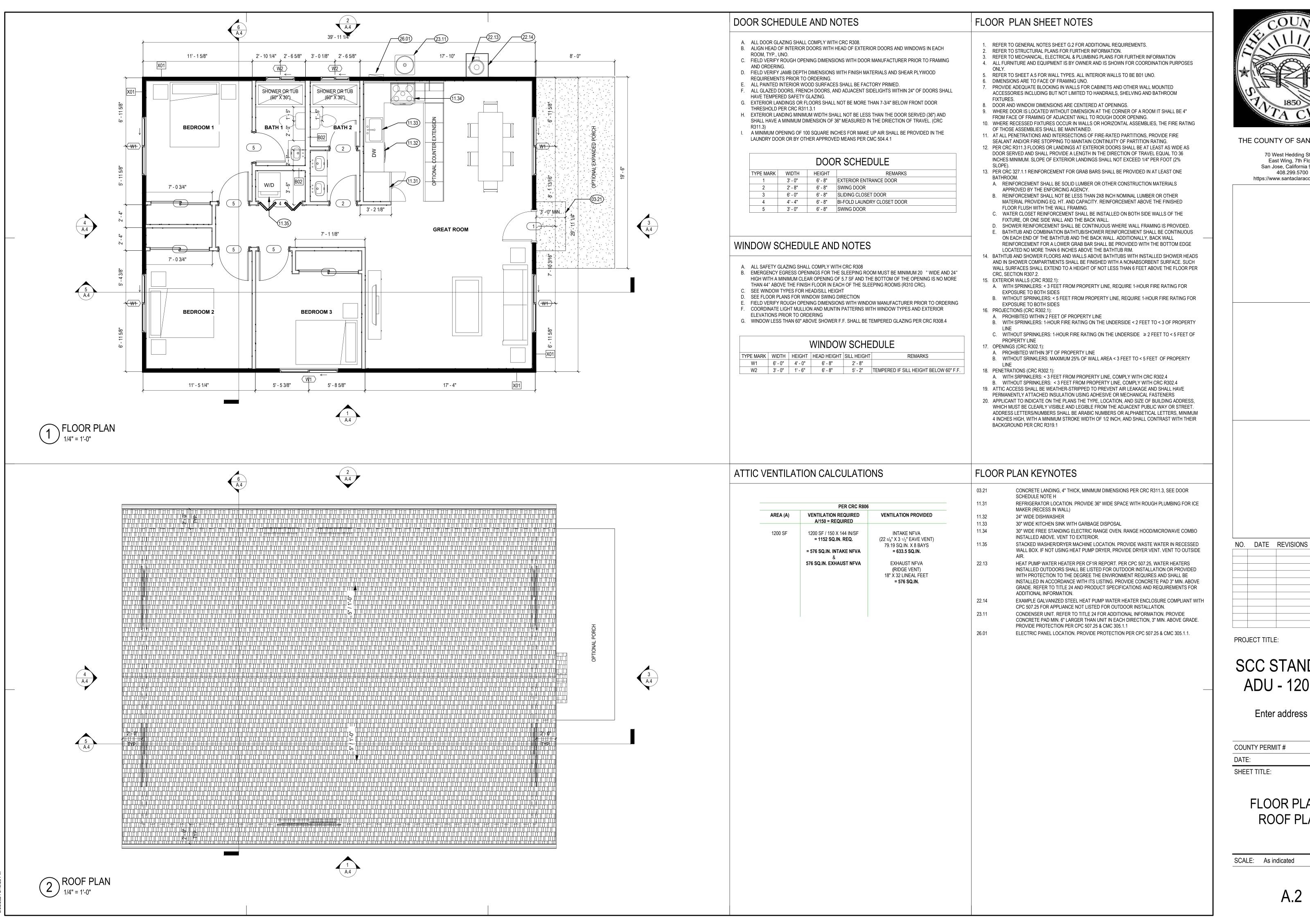
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ABBREVIATIONS, SYMBOLS, AND CONVENTIONS

SCALE: As indicated

A.

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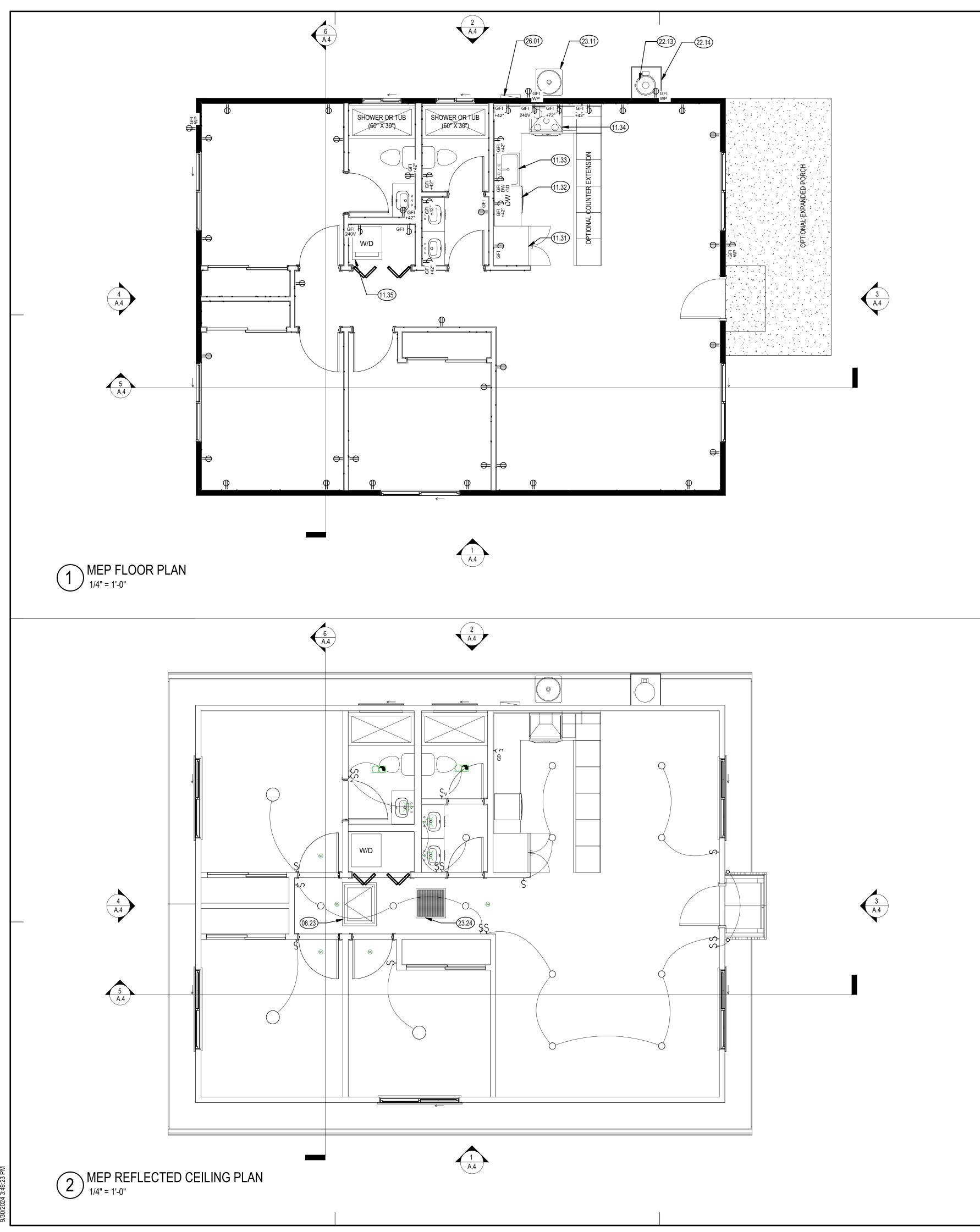
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DEV2X-XXXX COUNTY PERMIT # Issue Date SHEET TITLE:

> FLOOR PLAN & **ROOF PLAN**

SCALE: As indicated



ELECTRICAL NOTES

- CONFORM WITH CURRENT CEC, NFPA, MFR'S, AND LOCAL REQUIREMENTS. PROVIDE GFCI PROTECTED OUTLETS AT ALL KITCHEN COUNTERTOPS, BATHROOM COUNTERTOPS, OUTDOOR LAUNDRY AREAS, DISHWASHERS, OUTDOOR LOCATIONS, AND REQUIRED LOCATIONS PER CEC 210.8. ALL BATHROOM RECEPTACLE OUTLETS SHALL BE SUPPLIED BY A MINIMUM OF ONE 120-VOLT. 20-AMPERE BRANCH CIRCUIT. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS. THIS DEDICATED CIRCUIT MAY SERVE MORE THAN ONE BATHROOM. (CEC 210.11(C))
- ALL ELECTRICAL OUTLETS INSTALLED IN BATHROOMS, GARAGES, LAUNDRY AREAS, BASEMENTS, CRAWL SPACES, OUTDOORS, KITCHEN COUNTERS, AND AT WET BAR SINKS SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION IN COMPLIANCE WITH NEC Art. 210-8, CONSISTING OF 125 VOLT, SINGLE-PHASE, 15- AND 20- AMPERE RECEPTACLES.
- KITCHEN COUNTERTOP RECEPTACLES SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24" FROM AN OUTLET.
- PROVIDE (2) TWO 20 AMP SMALL APPLIANCE CIRCUITS IN KITCHEN. PROVIDE SEPARATE CIRCUIT FOR ELECTRIC RANGE AS REQUIRED BY CEC 210.19. PROVIDE SEPARATE CIRCUIT FOR RANGE HOOD OR MICROWAVE/HOOD UNIT.
- 8. PROVIDE SEPARATE CIRCUIT FOR DISHWASHER. DISHWASHER RECEPTACLE MUST BE ACCESSIBLE AND
- PROVIDE SEPARATE CIRCUIT FOR GARBAGE DISPOSAL, IF USED, AND SHALL BE GFCI PROTECTED.
- 10. PROVIDE SEPARATE CIRCUIT AT LOCATIONS OF ELECTRIC DRYERS PER CEC 220.54.
- 11. PROVIDE SEPARATE CIRCUIT AT LOCATIONS OF ELECTRIC WATER HEATERS PER CEC 422.13. 12. ELECTRICAL SYSTEM GROUND TO BE PROVIDED PER NEC ARTICLE 250-81.
- 13. ALL MATERIALS TO BE U.L. LABELED. 14. METER IS NOT REQUIRED. IF IT IS PROVIDED FOR ADU, MAIN PANEL IS REQUIRED FOR ADU WITH MINIMUM OF 225 AMP BUS-BAR. IF MAIN PANEL IS NOT PROVIDED FOR ADU, ELECTRICAL PERMIT SHALL BE PULLED FOR THE PRIMARY RESIDENCE WITH ELECTRICAL LOAD CALCULATIONS. METER: "SQUARE
- D", 120 VOLT/ 240 VOLT, 1 AND 3 WIRE GROUND OR EQUAL. 15. IF PROVIDED, ELECTRICAL MAIN PANEL: FLUSH MOUNT, 30" CLEARANCE. 200 AMP WITH 225 AMP BUS-
- 16. CONDUCTORS: TW, THW, COPPER, MINIMUM 14 AT LIGHTING, 12 AT OTHER CIRCUITS. 17. ALL LUMINARIES SHALL COMPLY WITH CENC SECTION 150.0 (K) AND TABLE 150.0-A
- 18. AT LEAST ONE LIGHT FIXTURE IN BATHROOMS SHALL BE CONTROLLED BY VACANCY SENSOR PER CENC
- 19. THERMOSTAT SHALL BE A PROGRAMMABLE TYPE
- 20. ALL LUMINARIES, LAMPHOLDERS, AND RETROFIT KITS SHALL BE LISTED (CEC 410.6).
- 21. ALL 120-VOLT, SINGLE PHASE 15- AND 20- AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, LIVING ROOMS, DINING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER. COMBINATION-TYPE. INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. (CEC 210-12(A)).
- ALL NON-LOCKING TYPE 125-VOLT, 15 AND 20 AMPERE RECEPTACLES IN A DWELLING UNIT SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. EXCEPTIONS: (1) RECEPTACLES MORE THAN 5 '6" ABOVE THE FLOOR, (2) RECEPTACLES PART OF A LUMINAIRE OR APPLIANCE, (3) A SINGLE RECEPTACLE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES THAT ARE NOT EASILY MOVED AND LOCATED WITHIN DEDICATED SPACE AND ARE CHORD-AND-PLUG CONNECTED AS PER CEC 400.10, AND (4) NON-GROUNDING RECEPTACLES USED FOR REPLACEMNETS AS PERMITTED IN CEC 406.4(D)(2)(A).
- 23. HIGH EFFICACY LUMINAIRES OTHER THAN OUTDOOR HID LIGHTING CONTAIN ONLY ONLY HIGH EFFICACY LAMPS AS OUTLINED IN TABLE 150-C OF THE RESIDENTIAL ENERGY CODE AND NOT CONTAIN A MEDIUM SCREW BASE SOCKET.
- 24. BALLAST FOR LAMPS 13 WATTS OR GREATER SHALL BE ELECTRONIC AND HAVE AN OUTPUT FREQUENCY NO LESS THAT 20 kHz.
- 25. SMOKE DETECTORS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND PROVIDED WITH A BATTERY BACK-UP. ALL SMOKE DETECTORS SHALL BE INTERCONNECTEED. ALL SMOKE DETECTORS SHALL MAINTAIN A MINIMUM 3 FOOT CLEARANCE TO HVAC SUPPLY OR RETURN AIR
- 26. CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND PROVIDED WITH A BATTERY BACK-UP. ALL CARBON MONOXIDE ALARAMS SHALL BE INTERCONNECTEED. 27. EXHAUST FANS WILL BE CONTROLLED BY A HUMIDISTAT PER THE GREEN BUILDING STANDARDS CODE
- SECTION 4.506. EXHAUST FANS MUST BE SWITCHED SEPARATELY FROM LIGHTS (CEnC 150.0(k)2G). 28. IN ADDITION TO THE NUMBER OF BRANCH CIRCUTS REQUIRED BY OTHER PARTS OF THE CODE, TWO OR MORE 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUTS SHALL BE PROVIDED FOR ALL RECEPTACLE OUTLETS IN THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREA PER CEC,
- ARTICLE 210.11 (C)(1). THE CIRCUTS SHALL HAVE NO OTHER OUTLETS PER CEC, ARTICLE 210.52(B). 29. IN ADDITION TO THE NUMBER OF BRANCH CIRCUTS REQUIRED BY OTHER PARTS OF THE CODE, AT LEAST ONE ADDITIONAL 20-AMPERE BRANCH CIRCUT SHALL BE PROVIDED TO SUPPLY THE LAUNDRY RECEPTACLE OUTLET(S) REQUIRED BY CEC. ARTICLE 210.52 (F). THIS CIRCUT SHALL HAVE NO OTHER OUTLETS PER CEC, ARTICLE 201.11(C)(2).
- PROVIDE AT LEAST ONE GFCI-PROTECTED RECETACLE OUTLET WITH WEATHERPROOF COVER, AT GRADE LEVEL, AT BOTH THE FRONT AND BACK OF THE DWELLING PER CEC 210.52(E)(1) & 210.8(A)(2)
- ADU TO BE PREWIRED FOR THE INSTALLATION OF BATTERY STORAGE. THE PREWIRING SHALL BE IN ACCORDANCE WITH THE CRC AND CEC AND BE ADEQUATELY SIZED BY A LICENSED PROFESSIONAL TO ACCOMODATE THE BACK-UP LOADS INSTALLED IN THE CRITICAL LOAD PANEL WITH A MINIMUM OF 5

MEP PLAN KEYNOTES

- 22" X 30" ATTIC ACCESS. ATTIC SPACE TO HOUSE HVAC UNITS AS INDICATED IN APPLICANT PROVIDED CF1R FORM (TITLE-24)
- REFRIGERATOR LOCATION. PROVIDE 36" WIDE SPACE WITH ROUGH PLUMBING FOR ICE MAKER (RECESS IN WALL)
- 11.32 24" WIDE DISHWASHER
- 11.33 30" WIDE KITCHEN SINK WITH GARBAGE DISPOSAL
- 11.34 30" WIDE FREE STANDING ELECTRIC RANGE OVEN. RANGE HOOD/MICROWAVE COMBO INSTALLED ABOVE. VENT TO EXTERIOR.
- STACKED WASHER/DRYER MACHINE LOCATION. PROVIDE WASTE WATER IN RECESSED WALL BOX. IF NOT USING HEAT PUMP DRYER, PROVIDE DRYER VENT. VENT TO OUTSIDE
- 22.13 HEAT PUMP WATER HEATER PER CF1R REPORT. PER CPC 507.25, WATER HEATERS INSTALLED OUTDOORS SHALL BE LISTED FOR OUTDOOR INSTALLATION OR PROVIDED WITH PROTECTION TO THE DEGREE THE ENVIRONMENT REQUIRES AND SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING. PROVIDE CONCRETE PAD 3" MIN. ABOVE GRADE. REFER TO TITLE 24 AND PRODUCT SPECIFICATIONS AND REQUIREMENTS FOR ADDITIONAL INFORMATION.
- 22.14 EXAMPLE GALVANIZED STEEL HEAT PUMP WATER HEATER ENCLOSURE COMPLIANT WITH CPC 507.25 FOR APPLIANCE NOT LISTED FOR OUTDOOR INSTALLATION.
- CONDENSER UNIT. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE CONCRETE PAD MIN. 6" LARGER THAN UNIT IN EACH DIRECTION, 3" MIN. ABOVE GRADE.
- PROVIDE PROTECTION PER CPC 507.25 & CMC 305.1.1 INDOOR AIR QUALITY (IAQ) VENTILATION FAN AND REQUIRED CFM PER APPLICANT PROVIDED TITLE 24 CERTIFICATE OF COMPLIANCE (PERFORMACE) FORMS & CALIFORNIA ENERGY CODE SECTION 150(O) AND ASHRAE 2.2. PER CENC 150(O)(1)(I) COMPLIANCE WITH ASHRAE 62.2 SECTION 4.4 (CONTROL AND OPERATION) SHALL REQUIRE MANUAL SWITCHES ASSOCIATED WITH DWELLING UNIT VENTILATION SYSTEMS TO HAVE A LABEL CLEARLY
 - DISPLAYING THE FOLLOWING TEXT, OR EQUIVALENT TEXT: "THIS SWITCH CONTROLS THE INDOOR AIR QUALITY VENTILATION FOR THE HOME. LEAVE IT ON UNLESS THE OUTDOOR AIR QUALITY IS VERY POOR."
- ELECTRIC PANEL LOCATION. PROVIDE PROTECTION PER CPC 507.25 & CMC 305.1.1.

MEP PLAN LEGEND

- DUPLEX OUTLET (TYP MOUNTED RECESSED HIGH-EFFICACY AT 18" AFF UNO) ₩GFI DUPLEX OUTLET GROUND FAULT CEILING MOUNTED HIGH-EFFICACY LIGHT (PRE WIRE FOR INTERRUPTER CEILING FAN OPTION) DUPLEX OUTLET FOR DISPOSAL (W/ WFCI) AND DISHWASHER WALL MOUNTED HIGH EFFICACY
- TGF! DUPLEX OUTLET WEATHER PROOF

(W/GFCI) (ON SEPARATE CIRCUITS)

- #GFI DUPLEX OUTLET 240 VOLTS
 - HIGH EFFICACY FAN/LIGHT COMBO **ELECTRICAL WIRING** WALL SWITCH
- SMOKE DETECTOR
- VACANCY SENSOR SWITCH

LIGHT / LIGHTED VANITY MIRROR

EXTERIOR WALL MOUNTED

MOTION LIGHT (+84" AFF)

GARBAGE DISPOSAL SWITCH CARBON MONOXIDE DETECTOR

- MEP PLAN SHEET NOTES
- EXTERNALLY MOUNTED HEATING/COOLING UNITS SHALL BE SCREENED IF THEY ARE VISIBLE FROM A PUBLIC STREET.6. ENVIRONMENTAL AIR DUCT EXHAUST SHALL TERMINATE NOT LESS THAN 3 FT FROM WALL OPENINGS. CMC 502.2.2.1.
- APPLIANCES NOT LISTED FOR OUTDOOR INSTALLATION BUT INSTALLED OUTDOORS SHALL BE PROVIDED WITH PROTECTION TO THE DEGREE THAT THE ENVIRONMENT REQUIRES. APPLIANCES LISTED FOR OUTDOOR INSTALLATION SHALL BE PERMITTED TO BE INSTALLED WITHOUT PROTECTION IN ACCORDANCE WITH THE PROVISIONS OF ITS LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PER CPC 507.25 PROTECTION OF OUTDOOR APPLIANCES.
- INSTALLED AIR CONDITIONER AND HEAT PUMP SYSTEMS SHALL HAVE A CLEARANCE OF AT LEAST FIVE (5) FEET FROM THE OUTLET OF ANY DRYER VENT. CENC 150.0 (H) 3. INSTALLED AIR CONDITIONER AND HEAT PUMP SYSTEMS SHALL BE EQUIPPED WITH LIQUID LINE DRIERS
- IF REQUIRED, AS SPECIFIC BY MANUFACTURER'S INSTRUCTIONS. CENC 150.0 (H) 3.

MECHANICAL NOTES

- CONFORM WITH CURRENT ADOPTED CRC, CMC, SMACCNA, NFPA AND LOCAL REQUIREMENTS. DUCTWORK: SMACCNA "LOW VELOCITY DUCT CONSTRUCTION" NFPA STANDARD #90A. ALL TRANSVERSE DUCT PLENUM AND FITTING JOINTS SHALL BE SEALED WITH PRESSURE SENSITIVE NON-CLOTH TAPE MEETING THE REQUIREMENTS OF UL181, 181A, OR 181B, OR MASTIC TO PREVENT AIR LOSS. DUCTS SHALL BE INSULATED AS REQUIRED BY THE UMC. SEE FLOOR PLAN FOR F.A.U. AND FIREPLACES. DUCTS PENETRATING A WALL OR FLOOR-CEILING BETWEEN GARAGE & DWELLING TO BE MINIMUM 26 GAUGE METAL WITHOUT OPENING IN GARAGE. FIRE DAMPER REQUIRED OTHERWISE. GRILLES AND REGISTERS, DIFFUSERS, ETC: SUBJECT TO OWNERS APPROVAL. "CARNES" OR EQUAL FANS: DIRECTLY VENTED TO OUTSIDE, BACK DRAFT DAMPERS ARE REQUIRED (PER TABLE 2-53V, TITLE
- LAUNDRY DRYER VENT TO EXTERIOR TO BE 14 FEET MAXIMUM. LESS 2 FEET PER 90 DEGREE TURN IN EXCESS OF 2 PER CMC 504.4.2.1. IF VENT IS OVER 14' AN APPROVED POWER ASSISTED DEVICE IS REQUIRED. DRYER EXHAUST DUCT POWER VENTILATORS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 705 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PER CMC, SECTION 504.2.2.3. SEE NOTE BELOW.
- BATHROOM EXHAUST FANS (BATHROOM APPLIES TO ROOMS CONTAINING BATHTUB, SHOWER, OR TUB/SHOWER COMBINATION) WHICH EXHAUST DIRECTLY FROM BATHROOMS SHALL COMPLY WITH THE FOLLOWING (CGBSC SEC. 4.506.1):
- a. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING MIN 3' FROM OPENINGS.
- b. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
- HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF ≤ 50 PERCENT TO A MAXIMUM OF 80 PERCENT. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT.

A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO EXHAUST FAN AND IS NOT

REQUIRED TO BE INTEGRAL(I.E. BUILT IN) BATHROOM EXHAUST FANS SHALL PROVIDE MINIMUM 50 CFM EXHAUST RATE (CMC TABLE 403.7). KITCHEN EXHAUST FANS SHALL PROVIDE MINIMUM 100 CFM EXHAUST RATE (CMC TABLE 403.7)

PLUMBING NOTES

- CONFORM WITH CURRENT CPC AND LOCAL REQUIREMENTS.
- PIPING: DOMESTIC WATER (WITHIN BUILDING): COPPER OR PEX PIPE OR APPROVED EQUAL. AIR CHAMBERS: 12" LONG CAPPED NIPPLE AT END OF EACH BRANCH TO EACH FIXTURE.
- DIELECTRIC UNIONS "F.P.C.O." REQUIREMENT AT ALL DISSIMILAR MATERIAL CONNECTIONS. WHEN "OPTIONAL" SOFT-WATER LOOP INTALLED, PROVIDE WITH 2 GATE VALVES.
- WATER SERVICE PIPE SHALL BE PER CIVIL PLANS OR AS REQUIRED BY THE JURISDICTION. WATER METER: PER WATER DISTRICT (REFER SIZE W/ FIRE SPRINKLER PLANS IF APPLICABLE)
- SHOWER HEADS AND FAUCETS: FLOW RATES PER CGBSC SECTION 4.303. WATER HEATER (REFER TO BUILDING ENERGY ANALYSIS REPORT):
- A. ALL DOMESTIC HOT WATER PIPING SHALL BE INSULATED. (CPC 609.12.1) a. PIPES UP TO 2 INCHES IN DIAMETER: INSULATION WALL THICKNESS NOT LESS THAN DIAMETER
 - OF PIPE. (CPC 609.12.2) b. PIPES GREATER THAN 2 INCHES IN DIAMETER: INSULATION WALL THICKNESS NOT LESS THAN 2 INCHES. (CPC 609.12.2)
- 1. PIPING THAT PENETRATES FRAMING MEMBERS SHALL NOT BE REQUIRED TO HAVE PIPE
- INSULATION FOR THE DISTANCE OF THE FRAMING PENETRATION. (CPC 609.12.2) HOT WATER PIPING BETWEEN THE FIXTURE CONTROL VALVE OR SUPPLY STOP AND THE
- FIXTURE OR APPLIANCE SHALL NOT BE REQUIRED TO BE INSULATED. (CPC 609.12.2) PROVIDE A TEMPERATURE AND PRESSURE RELIEF VALVE WITH A FULL SIZE DRAIN OF GALVANIZED STEEL OR HARD DRAWN COPPER TO THE OUTSIDE OF THE BUILDING WITH THE END
- OF THE PIPE PROTRUDING 6" MINIMUM @ 2' MAX. ABOVE GRADE POINTING DOWNWARD TO THE TERMINATION - UNTHREADED.
- COMBUSTION AIR PER MANUFACTURE REQUIREMENTS. D. CLEARANCES PER MANUFACTURE REQUIREMENTS.
- 10. PLUMBING INSULATION PER CENC 150.0 (J) AND CBC 609.11
- A. DOMESTIC HOT WATER PIPING SHALL BE INSULATED.
 - B. HOT WATER PIPE INSULATION SHALL HAVE A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR A PIPE UP TO 2 INCHES (50 MM) IN DIAMETER. INSULATION WALL THICKNESS SHALL BE NOT LESS THAN 2 INCHES (51 MM) FOR A PIPE OF 2 INCHES (50 MM) OR MORE
 - a. PIPING THAT PENETRATES FRAMING MEMBERS SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION FOR THE DISTANCE OF THE FRAMING PENETRATION.
 - b. HOT WATER PIPING BETWEEN THE FIXTURE CONTROL VALVE OR SUPPLY STOP AND THE FIXTURE OR APPLIANCE SHALL NOT BE REQUIRED TO BE INSULATED.
 - C. SERVICE WATER HEATING SYSTEMS PIPING TO INCLUDE. a. RECIRCULATING SYSTEM PIPING, INCLUDING THE SUPPLY AND RETURN PIPING TO THE WATER
 - b. THE FIRST 8 FEET OF HOT AND COLD OUTLET PIPING, INCLUDING PIPING BETWEEN A STORAGE TANK AND A HEAT TRAP, FOR A NON-RECIRCULATING STORAGE SYSTEM.
 - c. PIPES THAT ARE EXTERNALLY HEATED SHALL BE INSULATED AS FOLLOWS: UP TO 1" PIPE DIAMETER TO HAVE 1.0 MIN THICKNESS OR R7/7 RATING PER CENC TABLE 120.3A d. EXCEPTIONS:
 - 1. FACTORY-INSTALLED PIPING WITHIN SPACE-CONDITIONING EQUIPMENT CERTIFIED UNDER SECTION 110.1 OR 110.2.
 - 2. PIPING THAT PENETRATES FRAMING MEMBERS SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION FOR THE DISTANCE OF THE FRAMING PENETRATION. METAL PIPING THAT ENETRATES METAL FRAMING SHALL USE GROMMETS, PLUGS, WRAPPING OR OTHER INSULATING MATERIAL TO ASSURE THAT NO CONTACT IS MADE WITH THE METAL
 - 3. PIPING INSTALLED IN INTERIOR OR EXTERIOR WALLS SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION IF ALL OF THE REQUIREMENTS ARE MET FOR COMPLIANCE WITH QUALITY INSULATION INSTALLATION (QII) AS SPECIFIED IN THE REFERENCE RESIDENTIAL
 - 4. PIPING SURROUNDED WITH A MINIMUM OF 1 INCH OF WALL INSULATION, 2 INCHES OF CRAWLSPACE INSULATION, OR 4 INCHES OF ATTIC INSULATION SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION
 - INSULATION PROTECTION. PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE AND WIND. PROTECTION SHALL, AT MINIMUM, INCLUDE THE FOLLOWING (CEC SECTION 120.3(B)): A. PIPE INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED BY A COVER SUITABLE FOR
 - OUTDOOR SERVICE. THE COVER SHALL BE WATER RETARDANT AND PROVIDES SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL. ADHESIVE TAPE SHALL NOT BE USED TO PROVIDE THIS PROTECTION.
 - B. PIPE INSULATION COVERING CHILLED WATER PIPING AND REFRIGERANT SUCTION PIPING LOCATED OUTSIDE THE CONDITIONED SPACE SHALL INCLUDE, OR BE PROTECTED BY, A CLASS I OR CLASS II VAPOR RETARDER. ALL PENETRATIONS AND JOINTS SHALL BE SEALED. PIPE INSULATION BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND
 - NONCRUSHABLE CASING OR SLEEVE. 2. PIPE INSULATION: REFER TO TITLE 24 - MANDATORY MEASURES - "SPACE CONDITIONING, WATER HEATING & PLUMBING SYSTEM MEASURES"
- STRAPS AND HANGERS: PROVIDE AS NECESSARY TO INSURE A STABLE INSTALLATION. SEE TITLE-24 FOR WATER HEATER REQUIREMENTS. 14. ALL HOSE BIBS SHALL HAVE APPROVED BACK FLOW PREVENTION DEVICES.
- 15. PLUMBING FIXTURES (WATER CLOSETS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL MEET THE STANDARDS REFERENCED IN CALGREEN TABLE 4.303.3. . WATER HEATER SHALL BE PROVIDED WITH A TEMPERATURE AND PRESSURE RELIEF VALVE. PER [CPC
- 505.2] THE RELIEF VALVE SHALL BE PROVIDED WITH A DRAIN LINE WHICH EXTENDS FROM THE VALVES TO THE OUTSIDE OF THE BUILDING. PER [608.5 CPC] 17. PER CPC 603.5.7 OUTLETS WITH HOSE ATTATCHMENTS. POTABLE WATER OUTLETS WITH HOSE
- ATTACHMENTS, OTHER THAN WATER HEATER DRAINS, BOILER DRAINS, AND CLOTHES WASHER CONNECTIONS. SHALL BE PROTECTED BY A NONREMOVABLE HOSE BIBB TYPE BACKFLOW PREVENTER, A NONREMOVABLE HOSE BIBB TYPE VACUMM BREAKER, OR BY AN ATMOSPHERE VACUUM BREAKER INSTALLED NOT LESS THAN 6 INCHES ABOVE THE HIGHEST POINT OF USAGE LOCATED ON THE DISCHARGE SIDE OF THE LAST VALVE. IN CLIMATES WHERE FREEZING TEMPERATURES OCCUR, A LISTED SELF DRAINING FROST-PROOF HOSE BIBB WITH AN INTEGRAL BACKFLOW PREVENTER OR VACUUM BREAKER SHALL BE USED.



THE COUNTY OF SANTA CLARA

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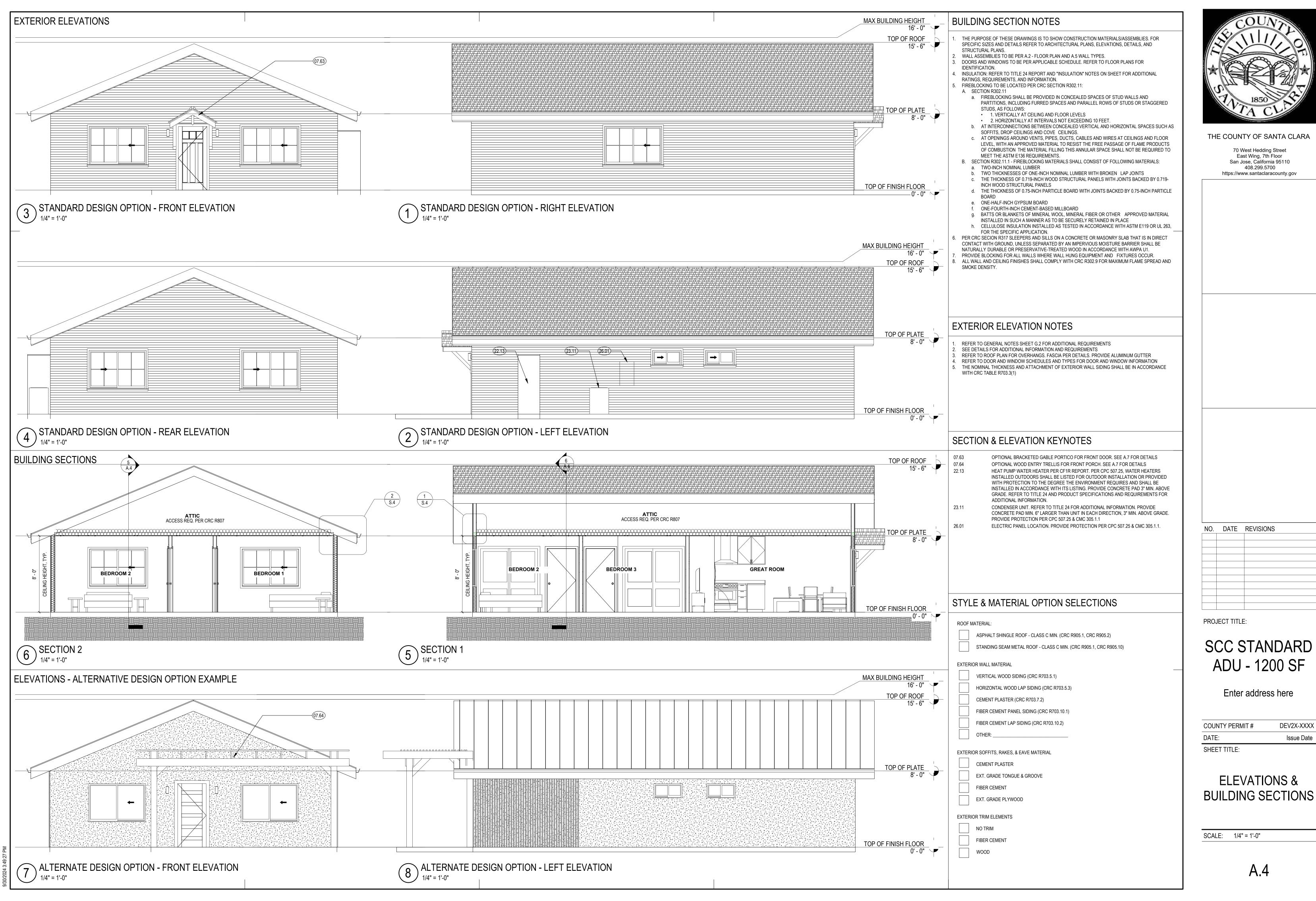
SCC STANDARD ADU - 1200 SF

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COUNTY PERMIT #	DEV2X-XXX
DATE:	Issue Date
SHEET TITLE:	
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MECHANICAL, ELECTRICAL, & PLUMBING PLANS

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

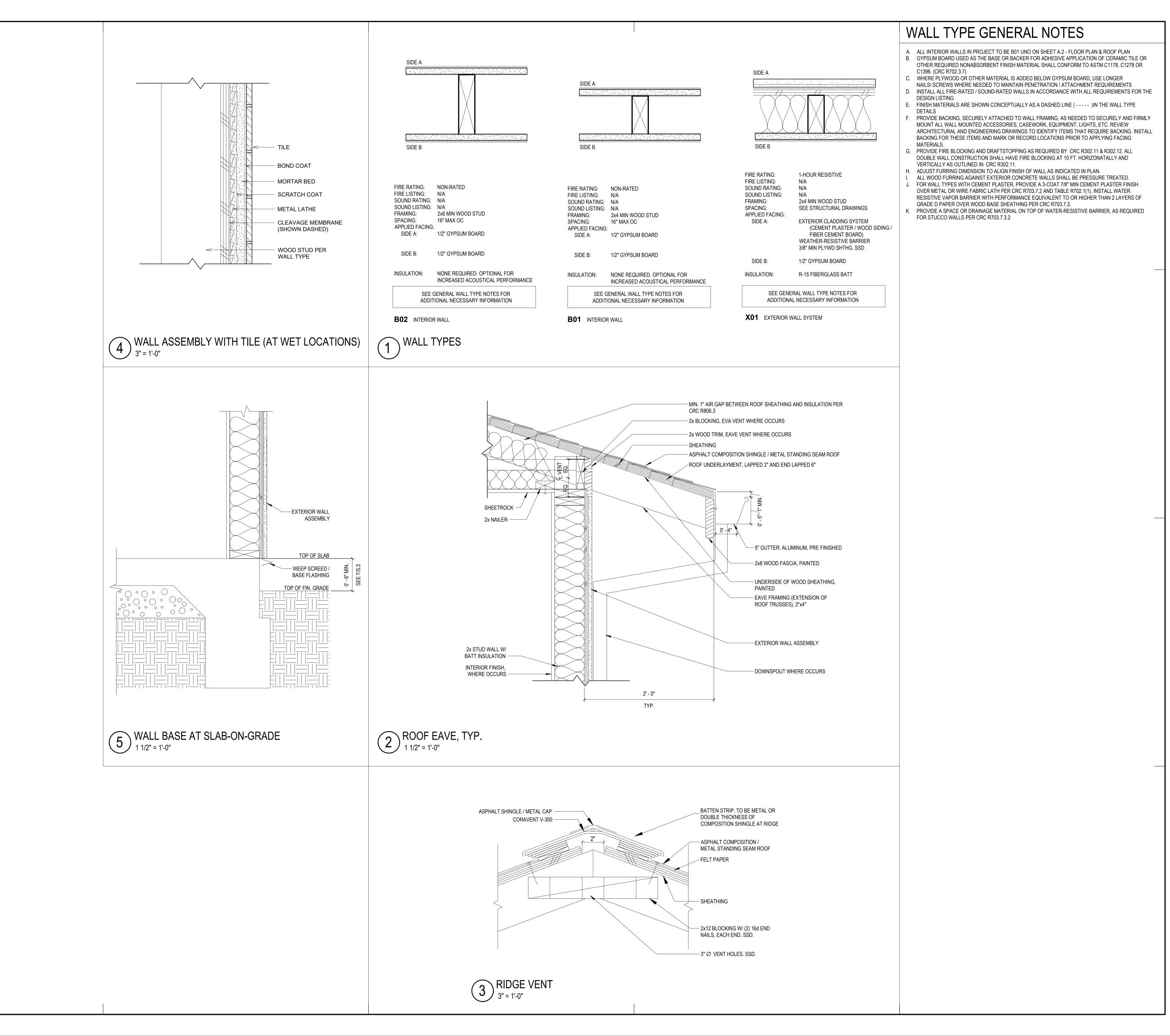




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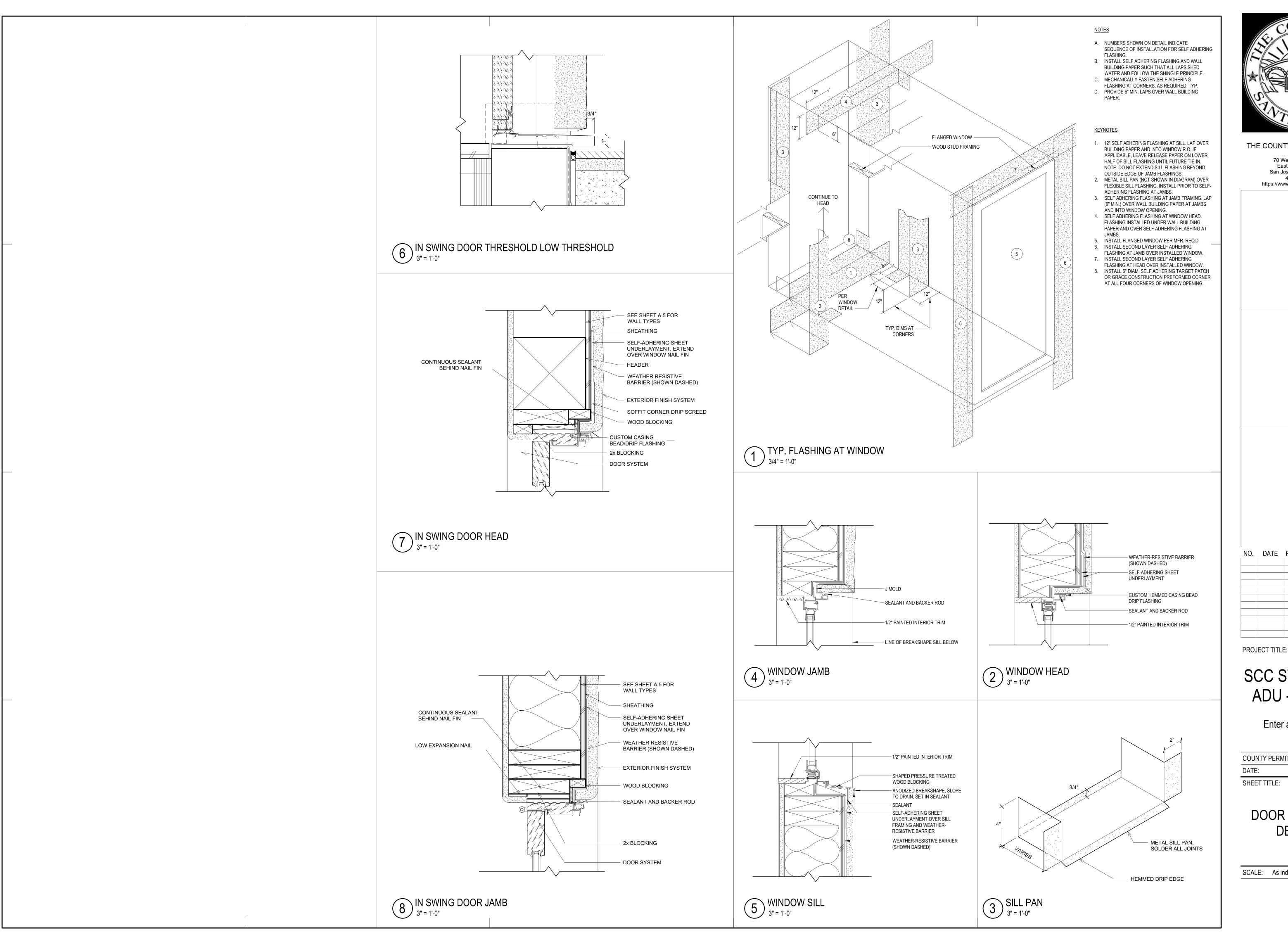
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DEV2X-XXXX COUNTY PERMIT # Issue Date SHEET TITLE:

> WALL TYPES & **DETAILS**

SCALE: As indicated

A.5





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DOOR & WINDOW DETAILS

SCALE: As indicated

A.6

DIAMETER LIVE LOAÓ LONG LEGS BACK TO BACK **NUMBER** LONG LEG HORIZONTAL LONG LEG VERTICAL ANCHOR BOLT LLV LOC LOL LONGI ADDITIONAL LOCATION ALTERNATE LAYOUT LINE APPRO) LONGITUDINAL APPROXIMATE(LY) ARCHITECT(URAL) ANCHOR TIE SYSTEM LAG SCREW(S) LIGHT WEIGHT MAX BOUNDARY FASTENING MAXIMUM MB MECH OR BRACED FRAME MACHINE BOLT(S) BLOCK MECHANICAL BLOCKING MANUFACTURER BUILDING MIN MINIMUM MISC **MISCELLANEOUS BOUNDARY NAILING** (N) NIC No. NOM NS NTS BOTTOM OF FOOTING NOT IN CONTRACT NUMBER CENTER LINE NOMINAL CBC CFS CIDH CIP CALIFORNIA BLDG CODE **NEAR SIDE** NOT TO SCALE COLD FORMED STEEL CAST-IN-DRILLED-HOLE CAST-IN-PLACE CONSTRUCTION JOINT ON CENTER OUTSIDE DIAMETER CJP
CLR
CLG
CMP
CMU
COL
CONC
CONN
CONST
CONT
COORD
CSK COMPLETE JT PENETRATION ORIGINAL GROUND OPPOSITE HAND CEILING OWSJ **OPEN WEB STEEL JOIST CORRUGATED METAL PIPE** CONCRETE MASONRY UNIT METAL PLATE POWDER DRIVEN FASTENER CONCRETE PLYWOOD PARTIAL JOINT PENETRATION CONNECTION CONSTRUCTION POUNDS PER SQUARE FOOT CONTINUOUS POUNDS PER SQUARE INCH COORDINATE COUNTERSINK POINT OR POST TENSION DBL DCW DET DF DOUBLE PHOTO VOLTAIC DEMAND CRITICAL WELD PVC POLYVINYL CHLORIDE **DOUGLAS FIR** RAD or F DIAGONAL REINF CONC PIPE REINF REINFORCED, REINFORCING REQ'D REV RS RWD REQUIRED **DRAWING** REVISION ROUGH SAWN **EXISTING** REDWOOD **EDGE FASTENING** SEE ARCH. DRAWINGS S.A.D. SCHED SEC SFRS SHT SHTG SIM SM SMS SPEC(S ELEVATION SCHEDULE ELECTRICAL SEISMIC FORCE RESISTING SYSTEM ELEVATOR EDGE NAILING SHEATHING EACH WAY SIMILAR SHEETMETAL FRAMED BEAM CONN SHEET METAL SCREW FINISH(ED) FINISH GRADE SPECIFICATION(S) STAGGERED FOUNDATION **FACE OF CONCRETE** STANDARD FREE OF HEART CENTER FACE OF MASONRY STRUCTURAL FACE OF STUD(S) SELF TAPPING SCREW FAR SIDE SYMMETRICAL **FOOTING** TOP & BOTTOM TONGUE AND GROOVE GAUGE TBR TEMP GALVANIZED TO BE REMOVED GLUED LAMINATED BEAM TEMPORARY TOE NAIL HD HDPE HDR HEX HGR HOLDOWN HIGH DENSITY POLYETHYLENE TOP OF FOOTING TOP OF PLATE HEADER **HEXAGONAL** TOP OF SLAB OR STEEL TOS T.O.W. **TOP OF WALL** HANGER HORIZ **TRANS HORIZONTAL** TRANSVERSE HIGH STRENGTH TYPICAL HIGH STRENGTH BOLT UON **HOLLOW STRUCT SECTION** UNLESS OTHERWISE NOTED H or HT VERT VIF **INSIDE DIAMETER** VERIFY IN FIELD INSPECTION/INSPECTOR INSUL INSULATION WIDE FLANGE WIND FORCE RESISTING SYSTEM **JOINT** WATERPROOF OR WORK POINT WELDING PROCEDURE SPECIFICATIONS WELDED WIRE REINFORCEMENT

STRUCTURAL S.1 STRUCTURAL COVER SHEET S.2 FOUNDATION & ROOF FRAMING PLANS S.3 **SECTIONS AND DETAILS** SECTIONS AND DETAILS S.4 S.5 **EXTERIOR OPTION DETAILS** STRUCTURAL SYMBOLS PROCEDURE QUALIFICATION REPORT INDICATES SHEAR WALL PRESERVATIVE TREATED DOUGLAS FIR STRUCTURAL GENERAL NOTES RESISTING SYSTEM IS COMPLETE. STABILITY. FEATURES. CENTERLINES OF WALLS, UON.

10.

LIMITATIONS OF USE

CLARA COUNTY ONLY.

STRUCTURAL SHEET INDEX

1 SECTION OR DETAIL NUMBER S2 / SHEET NUMBER WHERE SECTION OR DETAIL IS SHOWN INDICATES WOOD STUD WALL > INDICATES FOOTING BELOW INDICATES SHEAR WALL HOLDOWN, SEE FOUNDATION PLAN SHEAR WALL DESIGNATION GENERAL NOTES APPLY TO ALL DRAWINGS. DO NOT SCALE DRAWINGS. SCALE IS SHOWN FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE STRUCTURAL WORK WITH THE ARCHITECTURAL, CIVIL, AND MEP CONTRACT DOCUMENTS, AS WELL AS ANY OTHER APPLICABLE THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN. INSTALLATION. AND REMOVAL OF TEMPORARY BRACING AND CONSTRUCTION SUPPORTS REQUIRED TO COMPLETE THE PROJECT. NO PORTION OF THE STRUCTURE SHOULD BE CONSIDERED TO BE SELF SUPPORTING UNTIL THE ENTIRE VERTICAL AND LATERAL LOAD THE CONTRACTOR MUST PROTECT AND SHORE ALL EXCAVATIONS WITH BRACING AND SHORING AS REQUIRED TO MAINTAIN SOIL CONSTRUCT THOSE FEATURES OF THE PROJECT, WHICH MAY NOT BE FULLY SHOWN IN A MANNER SIMILAR TO THAT USED FOR SIMILAR CENTERLINES OF FOUNDATION GRADE BEAMS COINCIDE WITH CENTERLINES OF FRAMING MEMBERS COINCIDE WITH POST CENTERLINES, UON. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS. VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ARCHITECTURAL DRAWINGS. CONSTRUCTION LIABILITY THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND

HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL

ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

DRAWINGS ARE ONLY APPLICABLE TO THE 2022 CALIFORNIA BUILDING

APPLICABLE TO SITES IN UNINCORPORATED LAND LOCATED IN SANTA

CODE. DRAWINGS DO NOT APPLY TO SUBSEQUENT CODES.

SEISMIC GROUND ACCELERATION (Sds) IS LIMITED TO 2.00 MAX.

SITE MUST BE LEVEL ON NATIVE OR CUT GRADE.

PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY

LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE

THE COUNTY OF SANTA CLARA

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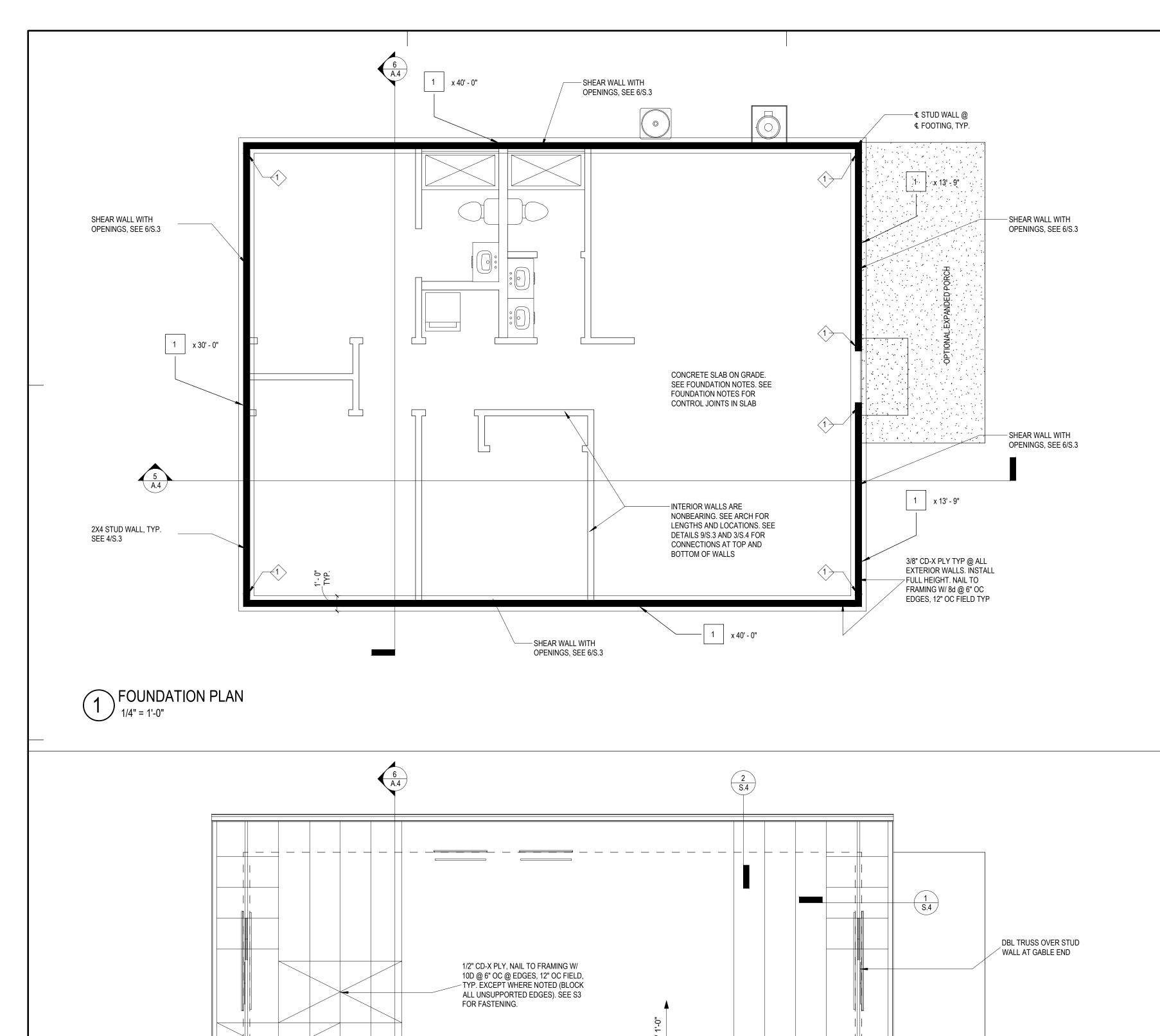
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STRUCTURAL **COVER SHEET**

SCALE: As indicated



ROOF RIDGE

GANGNAIL TRUSSES @ 2'-0" OC, TYP.

4' - 0"

NAIL PLY EDGES AT 3" OC

DBL TRUSS OVER STUD WALL AT GABLE END -

1 S.4

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

4' - 0"

NAIL PLY EDGES AT 3" OC

SHOP-FABRICATED WOOD TRUSSES

SHOP-FABRICATED WOOD TRUSSES MUST CONFORM TO THE CURRENT GOVERNING CBC.

A. THE ROOF TRUSS DESIGNER MUST COORDINATE THE SIZE AND LOCATION OF BRIDGING AS

REQUIRED TO BRACE TRUSSES. B. DESIGN ROOF LIVE, DEAD, WIND AND SEISMIC LOAD: SEE CONTRACT DRAWINGS. MAXIMUM ALLOWABLE DEFLECTION AS FOLLOWS:

LIVE LOAD L/360 1" MAXIMUM DEAD + LIVE LOAD L/240 WIND LOAD

QUALITY ASSURANCE

A. TRUSS DESIGN, FABRICATION, AND INSTALLATION: IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, TPI 1, TPI DSB-89, AND BCSI 1 EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SHOWN OR SPECIFIED.

B. FABRICATOR QUALIFICATIONS: COMPANY SPECIALIZING IN DESIGN, FABRICATION AND ERECTION OF THE PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM 5 YEARS OF DOCUMENTED

FOUNDATION NOTES

- FOOTINGS AND SLAB ON GRADE SHALL BE LOCATED ON LEVEL NATIVE SOIL. INSTALLATION ON
- SLOPING GRADE OR GRADE SUPPORTED BY RETAINING WALLS IS NOT ALLOWED. CONCRETE SLAB SECTION SHALL BE AS FOLLOWS:
- 4" CONCRETE SLAB W/ 6X6-W4xW4 WWR, 3 " CLEAR TO BOTTOM OF SLAB
- 10 MIL VAPOR BARRIER 5" CLASS II AGGREGATE BASEROCK
- EXISTING SUBGRADE AND BASEROCK COMPACTED TO 95% RELATIVE COMPACTION
- CONCRETE MUST HAVE f'c = 3000 PSI (MIN) AND WATER/CEMENT RATIO = 0.55 MAX.
- ANCHOR BOLTS MUST NOT BE WET-SET. 5. SEE S.3 FOR TYPICAL CONCRETE DETAILS.

SLAB DEPTH (1 1/2" MAX).

6. CONTROL JOINTS ARE TO BE INSTALLED 12'-0" OC MAX. CONTROL JOINTS SHALL BE MADE BY SAW CUTTING SLAB WITH THE SOFF-CUT SYSTEM OR APPROVED EQUAL AS SOON AS THE SURFACE IS FIRM ENOUGH SO THAT IT WILL NOT BE DAMAGED BY THE BLADE, USUALLY WITHIN 2 TO 4 HOURS AFTER FINAL FINISHING (NO LATER THAN 8 HOURS AFTER PLACEMENT). SAW CUT DEPTH SHALL BE 1/4 OF THE

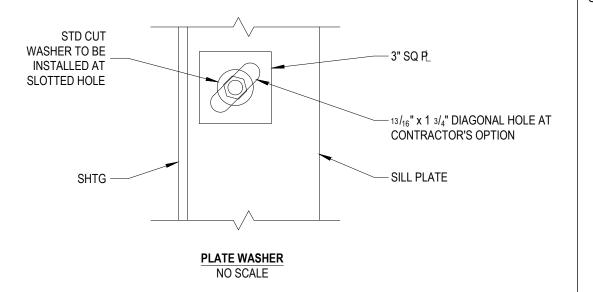


1 x 13' - 9" INDICATES WALL PLY TYPE AND MIN LENGTH. SEE SHEAR WALL SCHEDULE

SHEAR WALL SCHEDULE (SFRS)

TYF	E RATED SHTG	EDGE FASTENING NAILS	FIELD FASTENING NAILS	SILL PLATE CONNECTION BOLTED
1	3/8" SHTG	6" OC	12" OC	5/8" Ø AB 4'-0" OC W/ 8" EMBED

- FASTENING APPLIES TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING
- ANCHOR BOLT WASHER SHALL BE 0.229" X 3" SQ PLATE WASHER, SEE WASHER DETAIL. MINIMUM SILL PLATE NAILING EDGE DISTANCE SHALL BE 5/8". SHEATHING SHALL BE EDGE FASTENED AT ALL PANEL EDGES, TOP PLATES, SILL PLATES, HOLDOWN
- POSTS, WOOD POSTS, AND BLOCKING LOCATIONS AS WELL AS OTHER LOCATIONS SHOWN IN THE
- FASTENERS SHALL BE 8D COMMON, 8D GALVANIZED (HOT-DIPPED OR TUMBLED) BOX NAILS. INSTALL 2X OR WIDER FRAMING & BLOCKING AT ALL ADJOINING PANEL EDGES.
- 7. ALL SHEAR WALLS MUST HAVE 4 SILL ANCHORS MIN., EQUALLY SPACED.



ROUGH CARPENTRY

ROUGH CARPENTRY MUST CONFORM TO THE CURRENT GOVERNING CRC EXCEPT WHERE MORE

STRINGENT REQUIREMENTS ARE SHOWN OR SPECIFIED. GENERAL REQUIREMENTS

SPECIES: DOUGLAS FIR-LARCH.

DIMENSION LUMBER A. GRADING AGENCY: WEST COAST LUMBER INSPECTION BUREAU (WCLIB).

B. NOMINAL SIZES AS INDICATED ON DRAWINGS. C. MOISTURE CONTENT: HOLDOWN POSTS MUST BE AT MOISTURE CONTENT OF 19 PERCENT OR LESS AT

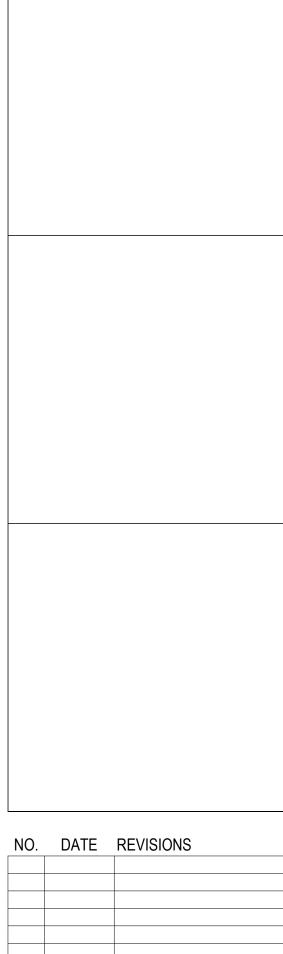
A. SAWN LUMBER FRAMING: COMPLY WITH PS 20 AND REQUIREMENTS OF SPECIFIED GRADING AGENCIES.

- THE TIME OF HOLDOWN INSTALLATION. D. STUD FRAMING AND BLOCKING GRADE: 2X4: NO.1 (1000FB), UNLESS NOTED OTHERWISE.
- E. 2X, 3X AND 4X MEMBERS EXCEPT STUDS, LEDGERS, AND POSTS:
- GRADE: NO. 1 & BTR. F. POSTS (4X4 AND 4X6): NO.1 (1500FC).
- G. LEDGER: NO.1 (1000FB).



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PROJECT TITLE:

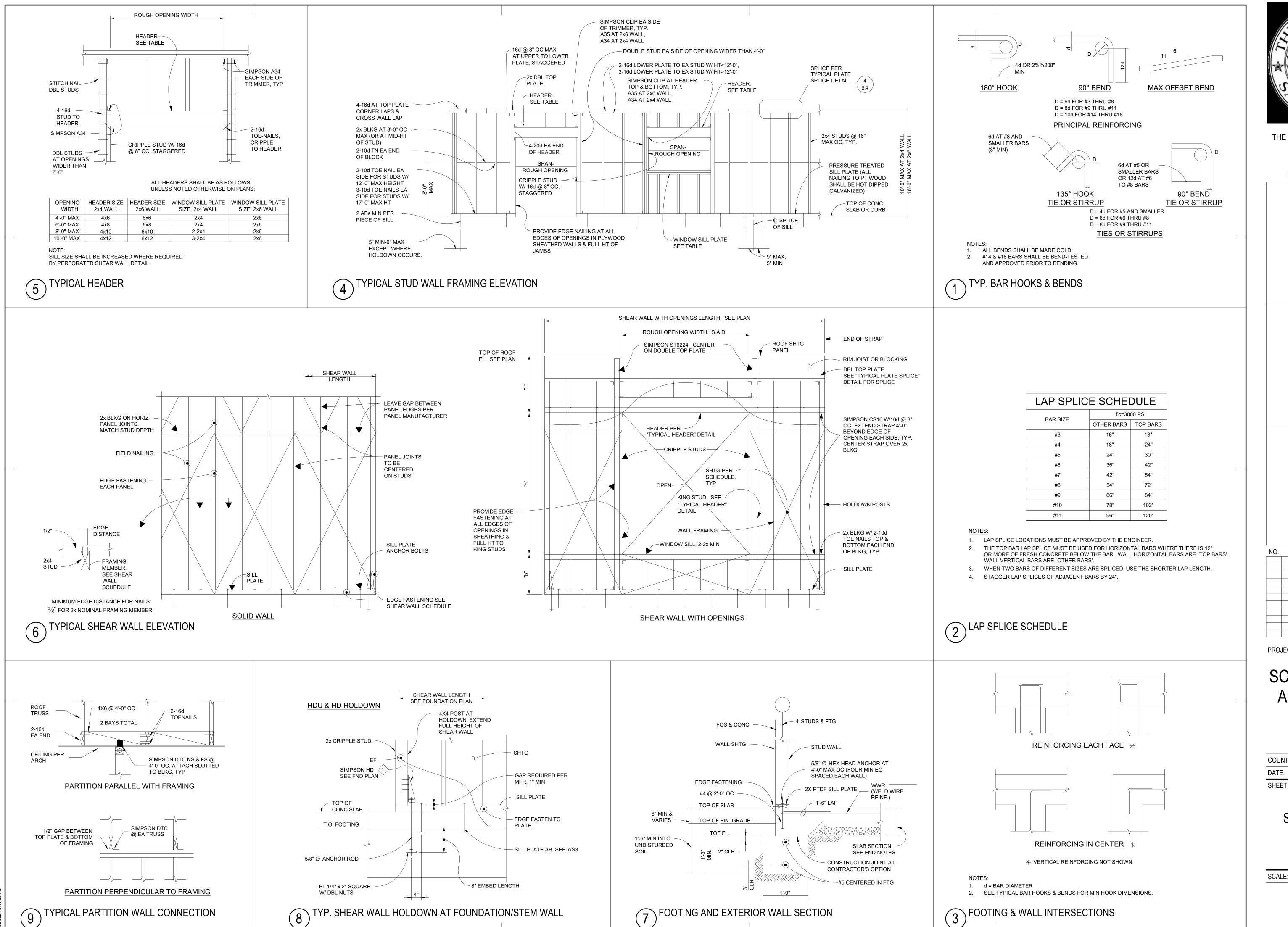
SCC STANDARD ADU - 1200 SF

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COUNTY PERMIT #	DEVOV WW
DATE:	DEV2X-XXXX
SHEET TITLE:	issue Date

FOUNDATION & ROOF FRAMING **PLANS**

SCALE: As indicated



COUNTY 1850 TA CL

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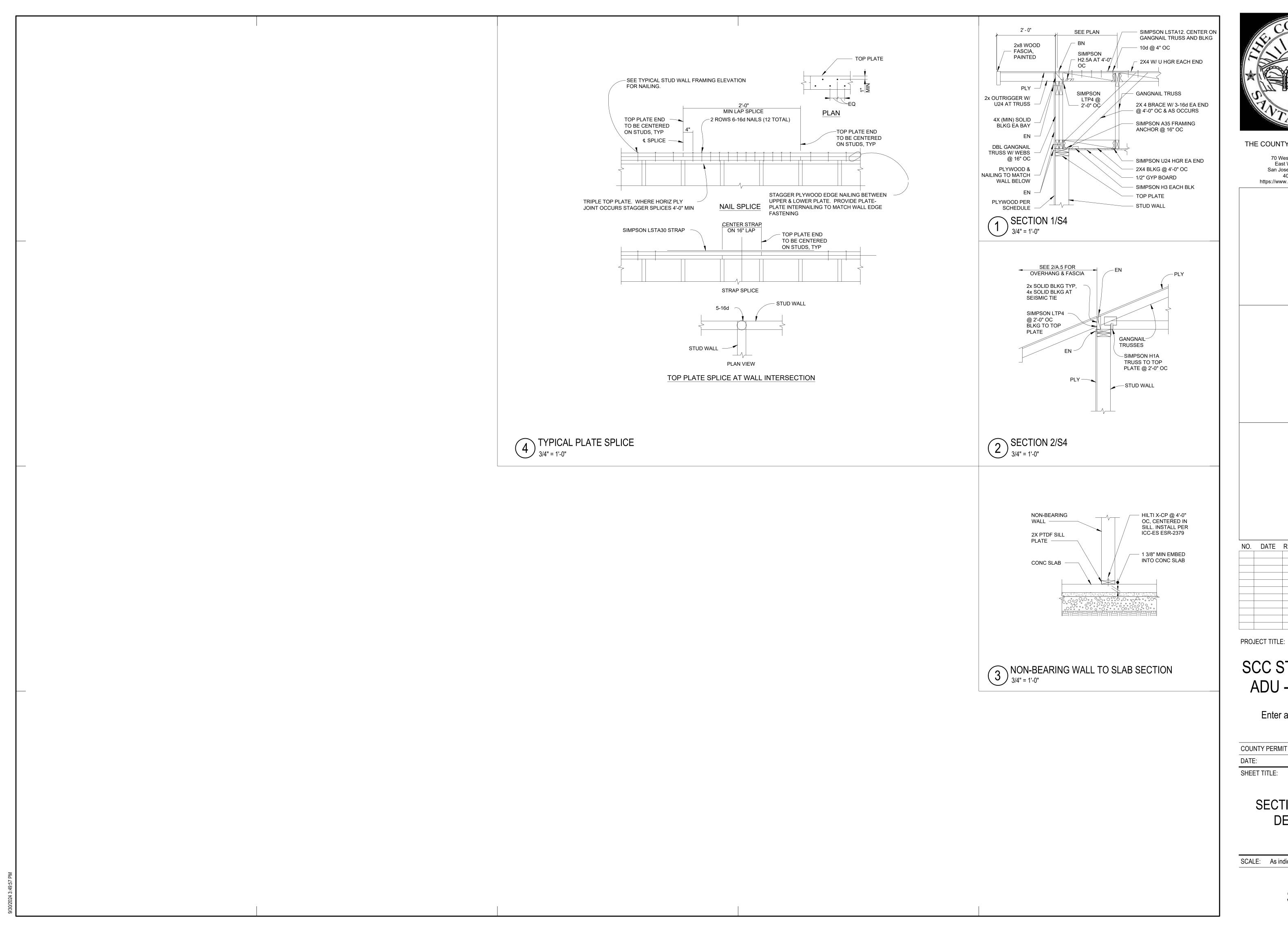
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SHEET TITLE:

SECTIONS AND DETAILS

SCALE: As indicated





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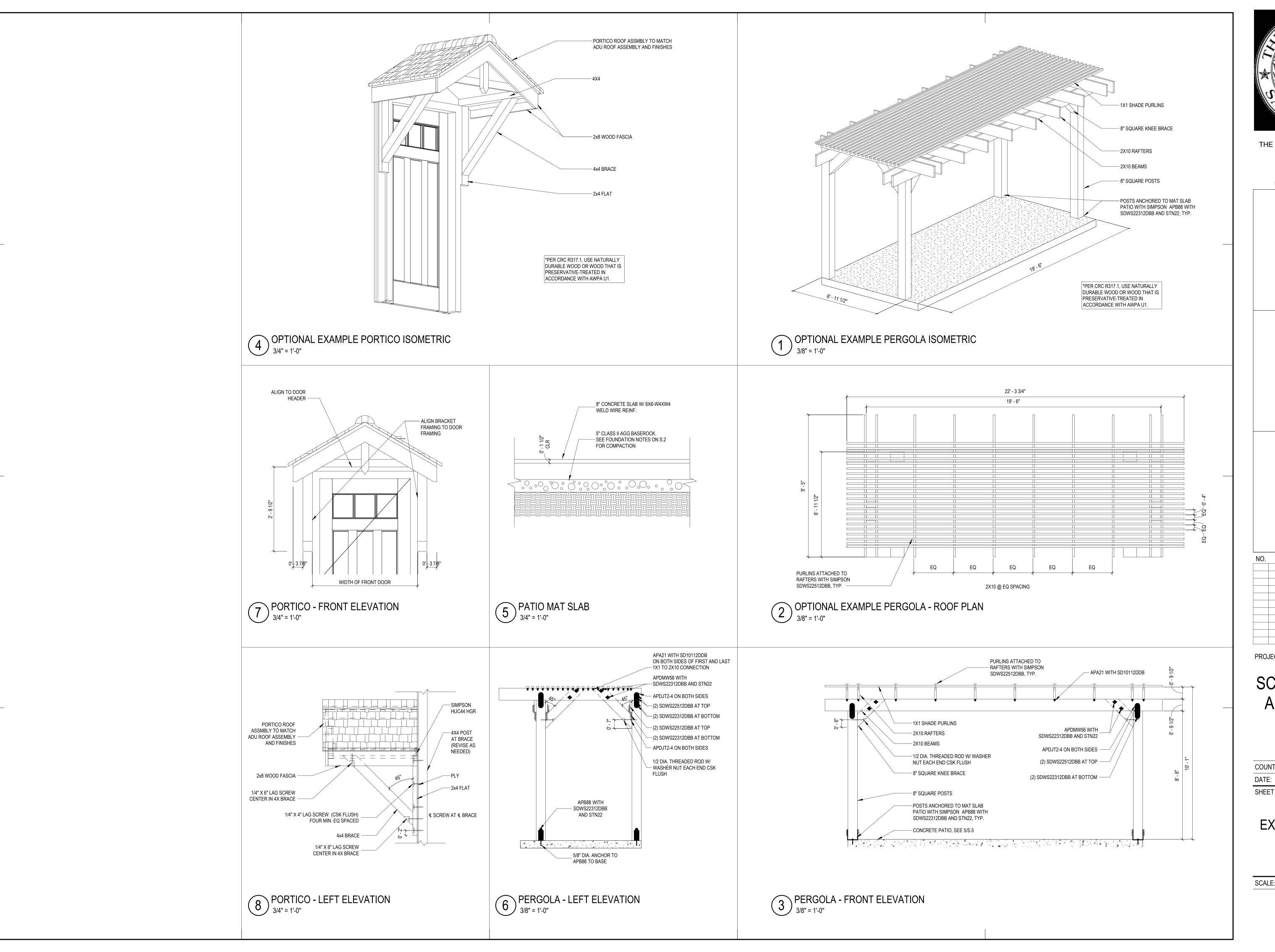
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DEV2X-XXXX COUNTY PERMIT # Issue Date

> SECTIONS AND **DETAILS**

SCALE: As indicated





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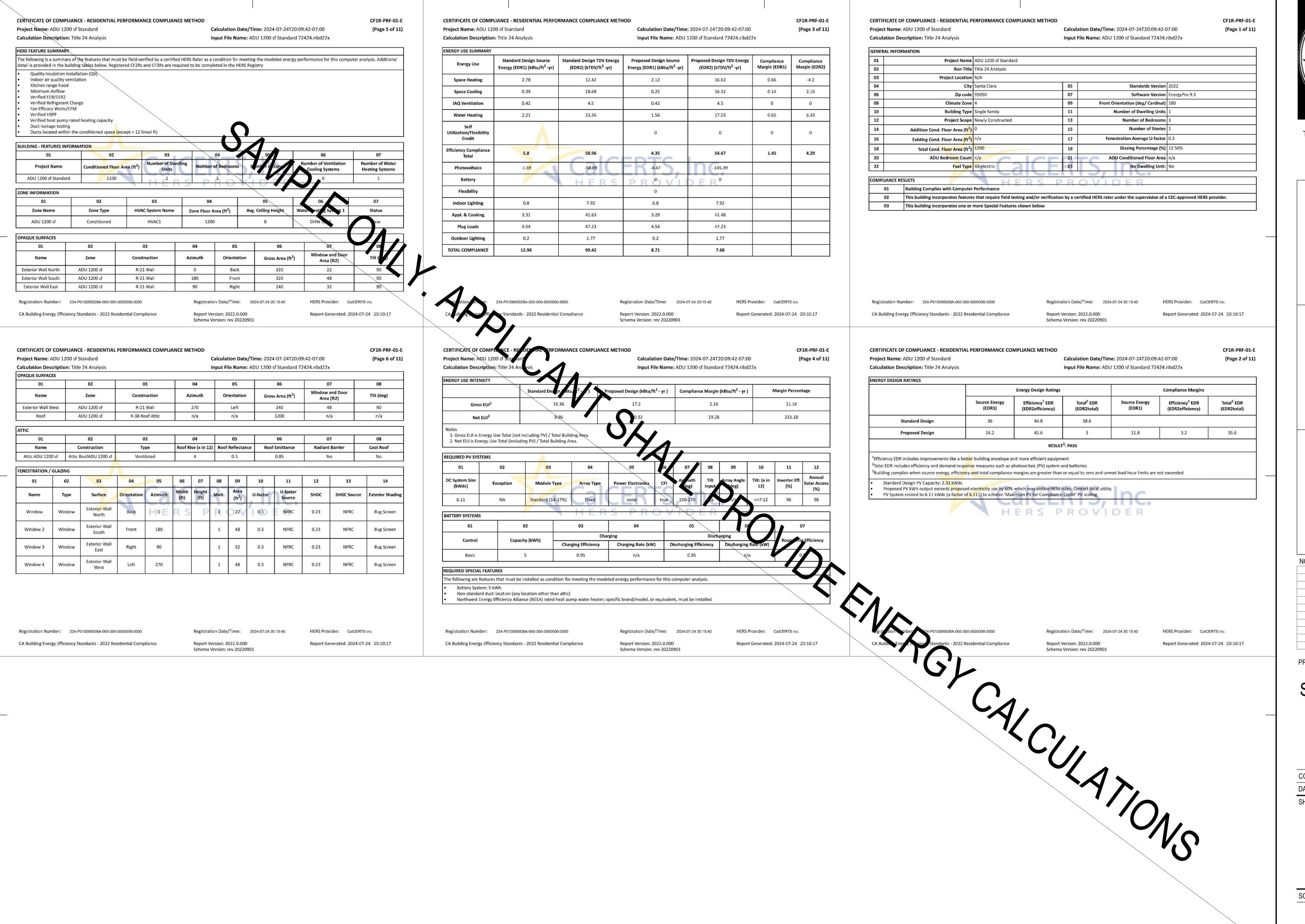
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EXTERIOR OPTION DETAILS

SCALE: As indicated



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NO.	DATE	REVISIONS

PROJECT TITLE:

SCC STANDARD ADU - 1200 SF

Enter address here

COUNTY PERMIT # DEV2X-XXXX

DATE: Issue Date

SHEET TITLE:

TITLE 24 (SAMPLE ONLY)

SCALE:

T.

t Name: ADU 1200 sf Standard Calculation Date/Time: 2024-07-24T20:09:42-07:00 (Page Input File Name: ADU 1200 sf Standard 72424.ribd22x	CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: ADU 1200 sf Standard Calculation Description: Title 24 Analysis Input File Name: ADU 1200 sf Standard 72424.ribd22x Input File Name: ADU 1200 sf Standard 72424.ribd22x	CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: ADU 1200 sf Standard Calculation Description: Title 24 Analysis Input File Name: ADU 1200 sf Standard 72424.ribd22x CF1R-PRF-01-E (Page 7 of 11)
ITATION AUTHOR'S DECLARATION STATEMENT that this Certificate of Compliance documentation is accurate and complete.	SPACE CONDITIONING SYSTEMS	SLAB FLOORS 01 02 03 04 05 06 07 08
Documentation Author Signature:	Name System Type Heating Unit Name Heating Equipment Count Count Count Fan Name Distribution Name Required Thermostat Type	Name Zone Area (ft ²) Perimeter (ft) Edge Insul. R-value and Depth Carpeted Fraction Heated
Signature Date: CEA/ HERS Certification (If applicable):	HVAC1 Heat pump heating cooling 1 Heat Pump System 1 Heat Pump System 1 HVAC Fan 1 Air Distribution System 1 Setback	Slab-on-Grade ADU 1200 sf 1200 140 none 0 80% No
Phone:	HVAC - HEAT PUMPS	OPAQUE SURFACE CONSTRUCTIONS 01 02 03 04 05 06 07 08
PERSON'S DECLARATION STATEMENT	01 02 03 04 05 06 07 08 09 10 11 12 13	Construction Name Surface Type Construction Type Framing Total Cavity Continuous Lifector Assembly Layers
owing under penalty of perjury, under the laws of the State of California: an eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design lientified of the Compliance.	Name System Type Number of Units Heating Efficiency Type Cap 47 Cap 17 Cap 17 Cap 17 System Type EER/EER 2/CEER Controlled Type HERS Verification Name System Type Number of Units On the Controlled Type HERS Verification Type HERS Verification	R-value R-value Inside Finish: Gypsum Board
rtify that the energy features and performance specifications identified on this Certificate of Compliance and for the requirements of Title 24, Part 1 and Part 6 of the California Code of Regularity building design features or system design features identified on this Certificate of Compliance are consistent with the formation of vided on other applicable compliance documents, workshould be under the enforcement agency for approval with this building permit application.	Single Heat Pump System	R-21 Wall Exterior Walls Wood Framed Wall 2x6 @ 16 in. O. C. R-21 None / None 0.069 Cavity / Frame: R-21 / 2x6 Exterior Finish: 3 Coat Stucco
Responsible Designer Signature.	System 1 Central split HP 1 HSPF 10 80000 60000 EERSEER 15 12.3 Not Zonal Speed 1-hers-htpump	Attic RoofADU 1200 sf Attic Roofs Wood Framed Ceiling 2x4 @ 24 in. O. C. R-0 None / 0 Roofing: Light Roof (Asphalt Shingle) Roof Deck: Wood Siding/sheathing/decking
HERS Plate Signed:	HVAC HEAT PUMPS - HERS VERIFICATION	Cavity / Frame: no insul. / 2x4
License:	Name Verified Airflow Airflow Target Verified EER/EER2 Verified SEER/SEER2 Verified Refrigerant Charge HSPF/HSPF2 Cap 47 Cap 17	R-38 Roof Attic Ceilings (below attic) Ceiling Wood Framed Ceiling System 2x4 @ 24 in. O. C. R-38 None / None None O.025 Over Ceiling Joists: R-28.9 insul. Cavity / Frame: R-9.1 / 2x4 Inside Finish: Gypsum Board
Phone:	Heat Pump System 1-hers-htpump Required 350 Required Not Required Yes Yes Yes Yes	BUILDING ENVELOPE - HERS VERIFICATION
	HVAC - DISTRIBUTION SYSTEMS 01 02 03 04 05 06 07 08 09 10 11 12	01 02 03 04 05 Quality Insulation Installation (QII) High R-value Spray Foam Insulation Building Envelope Air Leakage CFM50 CFM50
	Duct Ins. R-value Duct Location Surface Area	Required Not Required N/A n/a n/a
by CalCERTS. This digital signature is provided in order to secure the content of this registered document, and in no way implies vider responsibility for the accuracy of the information.	Supply Return Supply Return Supply Return Air Distribution Conditioned space New Verified R. S.	
Easy to V at CalCERT	System 1 - except 12ft Non-Verified R-8 R-8 oned oned Zone Zone No Bypass Duct Sealed and Tested System 1-hers-dist System 1-hers-dist	
umber: 224-P010095928A-000-000-0000000-0000 Registration Date/Time: 2024-07-24 20:15:40 HERS Provider: CalCERTS inc.	Registration Date/Time: 2024-07-24 20:15:40 HERS Provider: CalCERTS inc.	Registration Number: 224-P010095928A-000-000-0000000 Registration Date/Time: 2024-07-24 20:15:40 HERS Provider: CalCERTS inc. CA Building Energy Efficiency Standards - 2023 Peridential Compliance Report Version: 2023 0 000 Periods (2024-07-24 20:16:17)
ergy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2024-07-24 20: Schema Version: rev 20220901	CA wilding a pre-Zfficative Standards - 2022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2024-07-24 20:10:17 Schema Version: rev 20220901	CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022,0.000 Report Generated: 2024-07-24 20:10:17 Schema Version: rev 20220901
	CERTIFICATE OF COMPL. NCE - RELIDENTIAL ERFORMANCE COMPLIANCE METHOD Project Name: ADU 1200 of Standard Calculation Date/Time: 2024-07-24T20:09:42-07:00 (Page 10 of 11)	CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: ADU 1200 sf Standard Calculation Date/Time: 2024-07-24T20:09:42-07:00 (Page 8 of 11)
	Calculation Description: Title 24 Analysis Input File Name: ADU 1200 sf Standard 72424.ribd22x HVAC DISTRIBUTION - HERS VERIFICATION	Calculation Description: Title 24 Analysis Input File Name: ADU 1200 sf Standard 72424.ribd22x
	01 02 03 04 05 06 07 08 09	WATER HEATING SYSTEMS 01 02 03 04 05 06 07 08 09
	Name Duct Leakage Duct Leaka	Name System Type Distribution Type Water Heater Name Number of Units Solar Heating System Distribution HERS Verification Water Heater Name (#)
	Verification larger (%) Acation lesign Ducts Handler Conditioned Space	DHW Sys 1 Domestic Hot Water (DHW) Standard DHW Heater 1 1 1 None n/a DHW Heater 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Air Distribution System 1-hers-dist Yes 5.0 Required Not Required Credit not taken Not Required No	WATER HEATERS - NEEA HEAT PUMP
	HVAC - FAN SYSTEMS 01 02 03 04	01 02 03 04 05 06 07 08
	Name Type FastPower (Watts/CFM) Name	Name # of Units Tank Vol. (gal) NEEA Heat Pump Model Tank Location Duct Inlet Air Source Duct Outlet Air Source
	HVAC Fan 1 HVAC Fan 1 HVAC Fan 1-hers-fan	DHW Heater 1 1 50 Generic NEEA Tier 4 Generic Outside ADU 1200 sf ADU 1200 sf
	01 02 03 Name Verified Fan Watt Draw Requestran Placey (Watts/CFM)	DHW Heater 1-2 1 50 Generic NEEA Tier 4 Generic Outside ADU 1200 sf ADU 1200 sf
	HVAC Fan 1-hers-fan Required 0.45	WATER HEATING - HERS VERIFICATION 01 02 03 04 05 06 07
	INDOOR AIR QUALITY (IAQ) FANS	Name Pipe Insulation Parallel Piping Compact Distribution Type Recirculation Control Recovery
	Duralling Unit Airflow (CEM) Fan Efficacy IAO Fan Type Host (Feorgy Effectiveness Includes Fault HERS Verification Status	DHW Sys 1 - 1/1 Not Required Not Required Not Required None Not Required Not Required DHW Sys 1 - 2/1 Not Required Not Required Not Required None Not Required Not Required
	Dwelling Offic Airnow (CPM) (W/CFM) (W/CFM) Recovery? SRE/ASRE Indicator Display?	,
	SFam IAQVentRpt 65 0.35 Exhaust No n/a / n/a No Yes	
	Registration Number: 224-P010095928A-000-000-0000000 Registration Date/Time: 2024-07-24 20:15:40 HERS Provider: CalCERTS inc.	Registration Number 24-P010095928A-000-000-00000 Registration Date/Time: 2024-07-24 20:15:40 HERS Provider: CalCERTS inc.
	CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2024-07-24 20:10:17 Schema Version: rev 20220901	CA Builda, Ener y Excise Standards - 2022 Residential Compliance Report Version: 2022.0.000 Schema Version: rev 20220901 Report Generated: 2024-07-24 20:10:17
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PROJECT TITLE:

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COUNTY PERMIT # DEV2X-XXXX

DATE: Issue Date

SHEET TITLE:

TITLE 24 (SAMPLE ONLY)

SCALE:

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5/6/22



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 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. *

Ventilation and Indoor Air Quality:

§ 150.0(k)1G: Screw based luminair

§ 150.0(k)2A:

§ 150.0(k)2B:

§ 150.0(k)2D:

§ 150.0(k)4:

§ 150.0(k)5:

Solar Readiness:

Electric and Energy Storage Ready:

5/6/22

§ 150.0(k)1H: elevated temperature requirements, including

linen closet is closed.

to comply with § 150.0(k).

Light Sources in Drawers, Cabinets, and Linen to comply with Table 150.0-A or be controlled by Jacan

power, emit no more than 150 lumens, and are equippe

Interior Switches and Controls. All forward phase cut dim

sources in these spaces must comply with NEMA SSL 7A.

solar zone, measured in the vertical plane.*

applicable requirements may be used to meet these requirements.

Interior Switches and Controls. Exhaust fans must be controlled separate Accessible Controls. Lighting must have readily accessible wall-mount

§ 150.0(k)2C: Mandatory Requirements. Lighting controls must comply with the applicable requirements

Multiple Controls. Controls must not bypass a dimmer, occupant sensor, or

Energy Management Control Systems. An energy management control system (EMCS) r

occupancy, and control requirements if it provides the functionality of the specified control per §

§ 150.0(k)2E: must be controlled by an occupancy or vacancy sensor providing automatic-off functionality. Lighting inside drain opaque fronts or doors must have controls that turn the light off when the drawer or door is closed.

Automatic Shutoff Controls. In bathrooms, garages, laundry rooms, utility rooms and walk-in closets, at

Dimmers. Lighting in habitable spaces (e.g., living rooms, dining rooms, kitchens, and bedrooms) must have readily access mounted dimming controls that allow the lighting to be manually adjusted up and down. Forward phase cut dimmers control

Independent controls. Integrated lighting of exhaust fans shall be controlled independently from the fans. Lighting under cabinets of

Residential Outdoor Lighting. For single-family residential buildings, outdoor lighting permanently mounted to a residential bùilding, or to

control) or an astronomical time clock. An energy management control system that provides the specified control functionality and meets all

Internally illuminated address signs. Internally illuminated address signs must either comply with § 140.8 or consume no more than 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.

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,

Minimum Solar Zone Area. The solar zone must have a minimum total area as described below. The solar zone must comply with

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

Structural Design Loads on Construction Documents. For areas of the roof designated as a solar zone, the structural design loads for

Interconnection Pathways. The construction documents must indicate: a location reserved for inverters and metering equipment and a

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

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

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

§110.10(b)1A: square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be

§ 110.10(b)3A: Shading. The solar zone must not contain any obstructions, including but not limited to: vents, chimneys, architectural features, and roof mounted equipment.

§ 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

Main Electrical Service Panel. The main electrical service panel must have a minimum busbar rating of 200 amps.

shelves, lighting in display cabinets, and switched outlets must be controlled separately from ceiling-installed lighting.

§ 150.0(k)3A: other buildings on the same lot, must have a manual on/off switch and either a photocell and motion sensor or automatic time switch.

which do not have a photovoltaic system installed, must comply with the requirements of § 110.10(b)-(e).

located on the roof or overhang of the building and have a total area no less than 250 square feet. *

roof dead load and roof live load must be clearly indicated on the construction documents.

§ 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.

§ 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. CFI ventilation systems must have controls that track outdoor air ventilation run time, and either open or close the motorized damper(s) for 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 units, 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 demand-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 must be measured by using a flow hood, flow grid, or other airflow measuring device at the fan's inlet or outlet terminals/grilles per Reference Residential Appendix RA3.7. Whole-Dwelling unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less than the 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 8150.0(o)1G.

rates and sound requirements per §150.0(o)1G Pool and Spa Systems and Equipment: 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 off the heater without adjusting the thermostat setting; a permanent weatherproof plate or card with operating instructions; and must not

	use electric resistance neating. "
§ 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, or 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.

3	
2000 and 120 (120 V)	Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump
§ 150.0(p):	sizing, flow rate, piping, filters, and valves.*
Lighting:	
and the Market College	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 luminalities must meet the applicable
§ 110.9:	requirements of § 110.9. *
§ 150.0(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.
§ 150.0(k)1B:	Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8. *

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

ninaire or other device shall be no more than the number of bedrooms. These boxes must be served by a dimmer, vacancy sensor trol low voltage wiring, or fan speed control. Integral to Exhaust Fans. Lighting integral to exhaust fans (except when installed by the manufacturer in kitchen exhaust et the applicable requirements of § 150.0(k).

apply Residential Mandatory Requirements Summary

rements, must not be installed in enclosed or recessed luminaires.

no ats. I ght sources internal to drawers, cabinetry or linen closets are not required

led that they are rated to consume no more than 5 watts of

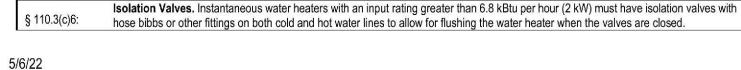
light ources must comply with NEMA SSL 7A.

automatically turn the lighting off when the drawer, cabinet or

lighting to be manually turned

Screw based luminaires crew based luminaire must contain lamps that comply with Reference Joint Appendix JA8.*

Light Sources in Enclosed & Recesser Lumina es. Lamps and other separable light sources that are not compliant with the JA8



§ 110.2(c):

§ 110.3(c)3:

and in which the cut-on temperature for compression heating is higher than the cut-on temperature for supplementary heating, and

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

I ENERGY COMMISSION	
§ 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 an 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 J using 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.
§ 150.0(n)1:	Gas or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must designate a space at least 2.5' x 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 more than 2" higher than the base of the water heater
§ 150.0(n)3:	Solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and 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.

TITLE 24 (SAMPLE

SCALE:

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. * Loose-fill Insulation. Loose fill insulation must meet the manufacturer's required density for the labeled R-value. 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. * Raised-floor Insulation. Minimum R-19 insulation in raised wood framed floor or 0.037 maximum U-factor. 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 § 150.0(f): physical damage and UV light deterioration; and, when installed as part of a heated slab floor, meet the requirements of § 110.8(g). 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 § 150.0(g)1: vapor retarder. This requirement also applies to controlled ventilation crawl space for buildings complying with the exception to 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. Fenestration Products. Fenestration, including skylights, separating conditioned space from unconditioned space or outdoors must have § 150.0(q): 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: Pilot Light. Continuously burning pilot lights are not allowed for indoor and outdoor fireplaces. 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)1: 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 Conditioning, Water Heating, and Plumbing System: Certification. Heating, ventilation, and air conditioning (HVAC) equipment, water heaters, showerheads, faucets, and all other § 110.0-§ 110.3: 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. § 110.2(a): Controls for Heat Pumps with Supplementary Electric Resistance Heaters. Heat pumps with supplementary electric resistance heaters must have controls that prevent supplementary heater operation when the heating load can be met by the heat pump alone;

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

Labeling. Fenestration products and exterior doors must have a label meeting the requirements of § 10-111(a).

Tables 110.6-A, 110.6-B, or JA4.5 for exterior doors. They must be caulked and/or weather-stripped.

less when tested per NFRC-400, ASTM E283, or AAMA/WDMA/CSA 101/I.S.2/A440-2011. 3

Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or

Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) values from

Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage must be

Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(q). Roofing Products Solar Reflectance and Thermal Emittance. The thermal emittance and aged solar reflectance values of the

Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of Household

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

Roof Deck. Ceiling and Rafter Roof Insulation. Roof decks in newly constructed attics in climate zones 4 and 8-16 area-weighted

Radiant Barrier. When required, radiant barriers must have an emittance of 0.05 or less and be certified to the Department of Consumer

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.

used. Review the respective section for more information.

caulked, gasketed, or weather stripped.

Goods and Services (BHGS).

(04/2022)

§ 110.6(a)1:

§ 110.6(b):

§ 110.7:

§ 110.8(a):

§ 110.8(j):

Building Envelope:

2022 Single-Family Residential Mandatory Requirements Summary

the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating. *

	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 J using 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 (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 an non-crushable casing or sleeve.			
§ 150.0(n)1:	Gas or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must designate a space at least 2.5' x 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 more than 2" higher than the base of the water heater			
§ 150.0(n)3:	Solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and 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 and Fans:				
§ 0.8(d)3:	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.			
§ 150.0(m)1:	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 sealed with mastic, tape, or other duct-closure system that meets the applicable UL requirements, or aerosol sealant that meets UL 723. The continuous 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 builder 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 the space in nust of the compressed.*			
§ 150.0(m)2:	Factory-Factory-Factory-fabricated duct systems must comply with applicable requirements for duct construction, connection, and closures wints and seams of duct systems and their components must not be sealed with cloth back rubber adhesive duct tapes unless such type is used in combination with mastic and draw bands.			
§ 150.0(m)3:	Field-Fabricated Duct systems. Field abricated duct systems must comply with applicable requirements for: pressure-sensitive tapes, mastics, sealants, and over requirements specified for duct construction.			
§ 150.0(m)7:	Backdraft Damper. Fan systems that exchange a between the conditioned space and outdoors must have backdraft or automatic dampers.			
§ 150.0(m)8:	Gravity Ventilation Dampers. Gravity ventil and systems serving conditioned space must have either automatic or readily accessible, manually operated dampers in all openings of the outside of epithological production inlet and outlet air openings and elevator shaft vents.			
§ 150.0(m)9:	Protection of Insulation. Insulation must be protected from Jamage the tosunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather must be suitable for outdoor service (e.g., patected by aluminum, sheet metal, painted canvas, or plastic cover). Cellular foam insulation must be protected as about or painted with a plater retardant and solar radiation-resistant coating.			
§ 150.0(m)10:	Porous Inner Core Flex Duct. Porous inner cores of flex ducts a dist have a non-mous layer or air barrier between the inner core and outer vapor barrier.			
§ 150.0(m)11:	Duct System Sealing and Leakage Test. When space conditioning a ster s use force air duct systems to supply conditioned air to an occupiable space, the ducts must be sealed and duct leakage tested, as confirmed the ught all distribution and diagnostic testing, in accordance with Reference Residential Appendix RA3.1.			
§ 150.0(m)12:	Air Filtration. Space conditioning systems with ducts exceeding 10 feet and the supry side of centile on extens must have MERV 13 or equivalent filters. Filters for space conditioning systems must have a two inch depth or cause one ach if sized per Equation 150.0-A. Clean-filter pressure drop and labeling must meet the requirements in §150.0(m)12. Filters rust be at assible for regular service. Filter racks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to any prevents air from bypassing the			

THE COUNTY OF SANTA CLARA

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NO.	DATE	REVISIONS

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5/6/22