

		Code Analysis:	Area Calculations
Drocot		APPLICABLE CODES • 2022 CALIFORNIA RESIDENTIAL CODE • 2022 CALIFORNIA BUILDING CODE • 2022 CALIFORNIA GREEN BUILDING STANDARDS • 2022 CALIFORNIA MECHANICAL CODE • 2022 CALIFORNIA ELECTRICAL CODE • 2022 CALIFORNIA PLUMBING CODE • 2022 CALIFORNIA FIRE CODE • CITY OF SANTEE MUNICIPAL CODE • CITY OF SANTEE MUNICIPAL CODE	PLAN 1 SQUARE FOOTAGE PLAN 149.2267 FLOOR AREA 220 GARAGE AREA PORCH AREA(5) ELEVATION 'A' 60 ELEVATION 'B' 16 PLAN 1-ALT - LOTS 4, 6 & 1 SQUARE FOOTAGE
Prospeci	Gardens	OCCOPANCY GROUP:GROUP R-2: LOW-MEDIUM DENSITY RESIDENTIAL (CRC R1.1.3.1.1 & R1.1.3.1.2)GROUP U: PRIVATE GARAGESTYPE OF CONSTRUCTION: (CBC 602.5)FIRE SPRINKLERS:NFPA 13D	PLAN 149.2144 FLOOR AREA 214 TOTAL AREA 214 GARAGE AREA 42 PORCH AREA ELEVATION 'A'
TRACT NO SANTEE, C	D. 2016-03 ALIFORNIA	(CRC R313.1 & R313.2 / CBC 903.3.1.3)UNLIMITEDALLOWABLE AREA: (CBC TABLE 506.2)UNLIMITEDALLOWABLE # OF STORIES: (CRC R301.3)2 STORIESEXTERIOR WALL FIRE RESISTIVE CONSTRUCTION & BUILDING SEPARATIONS: (CRC R302.1 / TABLEEXTERIOR WALLS: 1 HOUR RATED WHEN FIRE SEPARATION IS 0' MIN. NON-RATED AT 0' SETBACK WHEN FIRE SEPARATION IS 6' MIN.	PLAN 2 SQUARE FOOTAGE PLAN 240.2556 PLAN 240.2556 FIRST FLOOR AREA - ELEVATION 'A' I44 TOTAL AREA - ELEVATION 'A' I44 TOTAL AREA - ELEVATION 'B' I07 SECOND FLOOR AREA - ELEVATION 'B' I44 TOTAL AREA - ELEV. 'B' 253 GARAGE AREA WATER HEATER CLOSET PORCH AREA(S) ELEVATION 'A' 3' ELEVATION 'B' 11
VERY HIGH FIRE HAZARD THE INSTALLATION OF A SOLAR PHO REFER TO THE ENERGY COMPLIA REQUIRED S	SEVERITY ZONE (VHFHSZ)	302.1(2) FOOTNOTE (a) AUTOMATIC FIRE SPRINKLER SYSTEM)EAVE PROJECTIONS: NOT ALLOWED < 2' NON-RATED AT 0' SETBACK WHEN FIRE SEPARATION IS 6' MIN. AND FIREBLOCKING FROM TOP PLATE TO UNDERSIDE OF ROOF SHEATHING AND NO GABLE VENT OPENINGSOPENINGS & PENETRATIONS: CRC TABLE R302.1(2)COMPLY WITH SECTION CRC R302.4 < 3' UNLIMITED AT 0' SETBACK WHEN FIRE SEPARATION IS 6' MIN.MAX. AREA OF WALL OPNGS. (CRC TABLE R302.2(2)UNLIMITED - 3' OR GREATER (UNPROTECTED - SPRINKLERED)	
Abbreviations:	Symbol Legend:	Project Directory:	Deferred Submittal It
ABV. ABOVE LAV. LAVATORY A/C AIR CONDITIONING LUM. LUMINOUS ADJ. ADJUSTABLE L.V.P. LUXURY VINYL PLANK A.F.F. ABOVE FINISH FLOOR MATL. MATERIAL AIT. ALTERNATE MAX. MAXIMUM AMP. AMPERAGE M.C. MEDICINE CABINET A.T. ACOUSTICAL TILE MECH. MECHANICAL BD. BOARD MFR. MANUFACTURER BLDG. BUCK(ING) MISC. MISCELLANEOUS BLKG). BLOCK(ING) MISC. MISCELLANEOUS BLW. BELOW MTD. MOUNTED BM. BEAM MTL. METAL BOT. BOTTOM. N.I.C. NOT IN CONTRACT I CENTER LINE NOM. NOMINAL CAB. CABINET N.T.S. NOT TO SCALE CLG. CELLING O/ OVER CLR. CLEAR O.C. ON CENTRACT CONC. CONCRETE MASONRY UNIT OPN'G. OPENING CONC.	DETAIL REFERENCE Image: style st	 APPLICANT/OWNER KB HOME - SOUTHERN CALIFORNIA 9915 MIRA MESA BOULEVARD, SUITE 100 SAN DIEGO, CALIFORNIA 92131 TEL. (859) 877-4200 APCHITECT ERIC R. KOUGH, AIA (LICENSE C-26497) 5230 PACIFIC CONCOURSE DRIVE, SUITE 330 LOS ANGELES, CALIFORNIA 90045 TEL. (424) 294-3700 STRUCTURAL ENGINEER VCA STRUCTURAL, INC. 1845 WEST ORANGEWOOD AVENUE, SUITE 200 ORANGE, CA 92668 TEL. (714) 978-9780 MCNENGENER POLARIS DEVELOPMENT CONSULTANTS, INC. 2514 JAMACHA ROAD, SUITE 6502-31 EL CAJON, CA 922019 TEL. (619) 248-2932 ANDEL SALES ANDEL SUITE 200 PERIS, CA 92570 TEL. (951) 657-7491 	ITEMS: • FIRE SPRINKLER • ROOF TRUSSES • SOLAR PHOTOVOLTAIC (PV) SYSTEM SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS S REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARG AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOT DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILD SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILD NOTE: SEE SHEET TS.2 FOR THE COMPLETE SHEET INDEX
DN.DOWNHellHellHellHellDP.DEEPREF.REFEIRCED.S.DOWNSPOUTREFL.REFLECTED CELING PLANDTL.DETAILRENF.REINFORCINGDWG.DRAWINGREQD.REQUIREDD.W.DISHWASHERRE/SRE-SAWN(E)EXISTINGREV.REFEBSTED/REFLECTIVEEA.EACHRM.ROOME.J.EXPANSION JOINTR.O.ROUGH OPENINGELEC.ELECTRIC(AL)S.A.F.SELF-ADHERED FLASHINGELEV.ELEVATORS.P.SHELF AND POLEEMER.EMERGENCYS.C.SOLID COREEQUIP.EQUIPMENTSECT.SECTIONEXH.EXHAUSTS.H.SINGLE HUNGF.A.U.FORCED AIR UNITSHTSHEETF.G./FX.FIXED GLASSSHTHG.SHEATHINGF.G.FUEL GASSHWR.SHOWERFIN.FINISH(ED)SIM.SIMILARFLR.FLOORSPEC.(S)SPECIFICATIONSFLR.FLOORSL. GL.SLIDING GLASSF.M.C.FLOOR MATERIAL CHANGES.S.STAINLESS STEELF.O.FINISHED OPENINGS/SSERVICE SINK	WALL TYPE IDENTIFICATION WALL TYPE IDENTIFICATION ROOM IDENTIFICATION Image: state of the	 HERS Feature Summary. The following is a summary of the features that must be field-verified by a certified hers rater as a condition of meeting the modeled energy performance for this project: Quality insulation installation (QII) Building air leakage/reduced infiltration INDOOR air Quality ventilation Kitchen Range Hood Minimum Airflow Verified Eer/Eer2 Verified Seer/seer2 Verified Refrigerant charge 	MISSION
F.O.C.FACE OF CONCRETESTD.STANDARDF.O.M.FACE OF MASLSUSP.SUSPENDEDF.O.W.FACE OF WALLSYST.SYSTEMFR. DR.FRENCH DOORS.V.SHEET VINYLFTG.FOOTINGTEMP.TEMPERED GLASSFURR.FURRINGTHK.THICKGA.GAUGET.O.C.TOP OF CURBGAR. DISP.GARBAGE DISPOSALT.O.P.TOP OF PLATEG.C.GENERAL CONTRACTORT.O.S.TOP OF SLABG.F.C.I.GROUND-FAULT CIRCUITT.TREADINTERRUPTERTYP.TYPICALG.I.GALVANIZED IRONU.N.O.UINLESS NOTED OTHERWISEGL.GLASS/GLAZINGUTILUTILITYGYP. BD.GYPSUM BOARDV.P.VAPOR PROOFH.B.HOSE BIBBVERT.VERIFVIN FIELDHDCP.HANDICAPPEDW.WASHERHDR.HEADERW/WITHHDWD.HARDWOODWD.WOODHORIZ.HORIZONTALW.F.WALL FABRICH.V.A.C.HEATING, VENT, AIR COND.W/HWATER HEATERINSULATIONWI.WROGHT IRONWI.INT.JOISTW.P.WATER-RESISTIVE BARRIERJAM.LAMINATEDW.R.B.WATER-RESISTIVE BARRIER	 THIS PROJECT SHALL COMPLY WITH THE 2022 CALIFORNIA BUILDING CODE AND THE 2022 CALIFORNIA RESIDENTIAL CODE, WHICH ADOPT THE 2021 IBC, 2021 IRC, 2021 UMC, 2021 UPC AND THE 2020 NEC (SECTION R106.1). THE FULL STRUCTURAL DESIGN IS IN CONFORMANCE WITH THE STRUCTURAL REQUIREMENTS OF THE CALIFORNIA BUILDING CODE (SECTION R301.1.3). PER C.B.C. SECTION 1705.3, EXCEPTION 3, SPECIAL INSPECTION OF THE ELEMENTS USED FOR SEISMIC RESISTANCE ARE IS NOT REQUIRED - NO OTHER SPECIAL INSPECTIONS ARE REQUIRED. LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS, THE GRADE SHALL FALL A MINIMUM OF 6" WITHIN THE FIRST 10' - REFER TO THE PRECISE GRADING PLANS (UNDER SEPARATE PERMIT) FOR ADDITIONAL INFORMATION (SECTION R401.3). THESE HOMES SHALL BE EQUIPPED WITH EITHER A NFPA 13 OR 13-D AUTOMATIC FIRE SPRINKLER SYSTEM PER SECTION R313.2 - UNDER SEPARATE PERMIT AND SUBMITTAL. COMPLIANCE WITH THE DOCUMENTATION REQUIREMENTS OF THE 2022 ENERGY EFFICIENCY STANDARDS IS NECESSARY FOR THIS PROJECT. REGISTERED, SIGNED, AND DATED COPIES OF THE APPROPRIATE CF1R, CF2R, AND CF3R FORMS SHALL BE MADE AVAILABLE AT NECESSARY INTERVALS FOR BUILDING INSPECTOR REVIEW. FINAL COMPLETED FORMS WILL BE AVAILABLE FOR THE BUILDING OWNER. SEE ENERGY COMPLIANCE SHEETS FOR SPECIAL FEATURES. 	 PRIOR TO FINAL INSPECTION THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST PROVIDE TO THE BUILDING DEPARTMENT OFFICIAL WRITTEN VERIFICATION THAT ALL APPLICABLE PROVISIONS FROM THE GREEN BUILDING STANDARDS CODE HAVE BEEN IMPLEMENTED AS PART OF THE CONSTRUCTION (CGBSC SECTION 102.3). WHEN REQUIRED, CALGREEN MANDATORY MEASURES ITEMS MAY BE FIELD VERIFIED BY THE INSTALLER MEETING THE REQUIREMENTS OF CGBSC SECTION 702. PRIOR TO CALLING FOR FOUNDATION INSPECTION, FINAL GRADING AND COMPACTION REPORTS SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION AND ANY REVISIONS FROM THE ORIGINAL SOIL REPORT INCORPORATED INTO THE PLANS AND SPECIFICATIONS. SITE INSPECTIONS AND PLAN REVIEWS MANDATED IN THE SOILS REPORT SHALL BE PERFORMED BY THE SOILS ENGINEER/AUTHOR OF SAID REPORT. THE LOWEST PART OF THE CLEAR OPENING OF SECOND FLOOR WINDOWS SHALL NOT BE LESS THAN 24" ABOVE THE FINISHED FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. (SECTION R312.2) SITE ADDRESS SHALL BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THI PROPERTY. WHERE REQUIRED BY THE FIRE CODE OFFICIAL, ADDRESS IDENTIFICATION SHALL BE PROVIDED IN ADDITIONAL APPROVED LOCATIONS TO FACILITATE EMERGENCY RESPONSE. WHERE ADDRESS CANNOT BE VIEWED FROM PUBLIC WAY, A MONUMENT OR POLE SHALL BE USED. (SECTION R319.1). 	SITE PROSPECT PROSPEC



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COA.2 COA.3	CONDITIONS OF APPROVAL (Cont.) CONDITIONS OF APPROVAL (Cont.)
GN,I	GENERAL NOTES
GN.2 GN.3	GENERAL NOTES (Cont.) GENERAL NOTES (Cont.)
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1,2	FLOOR PLAN OPTIONS GLAB INTEREACE RLAN 'A'
2.1	SLAD INTERFACE FLAN A Partial GLAB INTERFACE PLAN 'B'
3.AI	PARTIAL FLOOR PLAN 'A'
3,A2	FRONT & REAR ELEVATIONS AND ROOF PLAN 'A'
3.A3	LEFT & RIGHT ELEVATIONS 'A'
3,BI	PARTIAL FLOOR PLAN 'B'
3,B2	FRONT & REAR ELEVATIONS AND ROOF PLAN 'B'
3.B3	LEFT AND RIGHT ELEVATIONS 'B'
4.1 4.2	INTERIOR ELEVATIONS SECTIONS
ΡΙ ΔΝΙ 1-ΔΙ Τ (1/	49 2144)
	FLOOR PLAN 'A'
1.2	FLOOR PLAN OPTIONS
2,1	SLAB INTERFACE PLAN
3.A2	FRONT & REAR ELEVATIONS 'A'
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3.A2	FRONT & REAR ELEVATIONS 'A'
3.A3	LEFT & RIGHT ELEVATIONS 'A'
3,BI	PARTIAL FIRST & SECOND FLOOR PLAN 'B'
3.B2	
3.B3	LEFT & RIGHT ELEVATIONS 'B'
4,1 4,2	INTERIOR ELEVATIONS SECTIONS
	ARCHITECTURAL DETAILS
	ARCHITECTURAL DETAILS
ADB	ARCHITECTURAL DETAILS
AD4	ARCHITECTURAL DETAILS
AD5	ARCHITECTURAL DETAILS
AD6	ARCHITECTURAL DETAILS
AD7	ARCHITECTURAL DETAILS
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Approved

03/05/2024 9:26:22 AM

Sentee Do More > DUE EAST

PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT

Plans are accepted for construction subject

to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit

or approve the violation of any City, County, State, Federal Laws or other

2022 California Building Standard Code

Approved 03/06/2024

Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

TO THE FOLLOWING:

restrictions.

PROSPECT GARDENS SITE PLAN



PROSPECT ESTATES PHASE 1 - TM2015-01



Total House SF Includes Livable, Garage, and F For 2-Story Houses Only 1st Floor Sq. Ft. Coun LOTS 4, 6, and 15 have their own different Arch Pl

Harwood

Marrokal

Stre

Lan

8521

8501

16

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SYMBOL	<u>DESCRIPTION</u> EXISTING RIGHT OF WAY	-			
	- EXISTING LOT LINE	_			
<u> </u>	- EXISTING EASEMENT	-		K	
	- EXISTING CURB	_			
	EXISTING BUILDING	-		-10	M
	EXISTING FENCE	-			
	EXISTING FIRE HYDRANI	-			
•	EXISTING FOWER FOLE				
	- SUBDIMISION BOUNDARY				
	- PROPOSED UNIT LINE	I		×	
	- PROPOSED CURB - PROPOSED EASEMENT LINE				
		-	•		
	PROPOSED BUILDING				
	PROPOSED CONCRETE PAVING	F			-
	PROPOSED BIOFILTRATION AREA	_		_	_
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	PROPOSED FI <mark>R</mark> E HYDRANT				
\ \ \	V PROP. MASON RY RETAINING WALL		(-	Sarc	der
	VEST PROP. 6' HIGH MSNRY. SCREEN WALL		TR	ACT NO	201
	OVPORSED S.OPE (2:1 U.O.N.)				. 201
€03/05/2024	9:26 PROPOSED PCC BROW DITCH	-	00117	KB H	OME
@	PROPOSED PARKING STALL-9' x 19' (6 TOTAL)	0	RANGE	COUN	TY / S
TYR	(3) TRASH BIN LOCATIONS	-	9915	MIRAN	/IESA
RB	RAIN BARREI LOCATIONS	-	SAN	DIEGC), CA 9
\bigcirc				949-79	0-911
	PROPOSED RV PARKING & DRIVEWAY (3" AC ON 10" A.B.)				
	PLAN TYPE & ELEVATION	-	-		•
3 2BR	(R DENOTES A 'REVERSE' PLAN)				
			•		
	PROPOSED ADA PATHWAY	-		•	
PLAN TYPE	SUMMARY				-
		IS		AIE:	09
<u>Single-Pamili</u> PLAN 1	4				
PLNA 1-ALT <u>PLAN 2</u>	<u> </u>	R		NS'	10
TOTAL	15			NU.	10
			1 PLAN 1 10/0	N CHECK 95/2023	COMM - V.P.I
60' MIN.	₹ 60' MIN.				
SETB/ M	SETBA SETBA				
		_			
5' MIN.————————————————————————————————————	- 5' MIN. SETBACK	-			

5' MIN.—— SETBACK PLAN 1 PLAN 2 60' MIN.

TYPICAL SF HOUSE PLOTTING NO SCALE

LOT COVERAGE TABULATION

						LOT	
	CITY	ZIP CODE	PLAN	COVERAGE SF	LOT SIZE	COVERAGE	NOTES
t	Santee	92071	2BR	1,577	10,218	15.43	RV Parking Lot
t	Santee	92071	1ALT- A	2,630	6,580	39.97	
t	Santee	92071	2B	1,577	7,293	21.62	RV Parking Lot
t	Santee	92071	1ALT- A	2,630	6,744	39.00	
t	Santee	92071	1A	2,753	6,912	39.83	
	Santee	92071	2BR	1,577	6,935	22.74	Sales Parking Lot
	Santee	92071	2AR	1,542	6,650	23.19	Model / Temp Sales Office
	Santee	92071	2BR	1,577	6,935	22.74	
t	Santee	92071	1A	2,753	6,912	39.83	RV Parking Lot
t	Santee	92071	2B	1,577	6,569	24.01	
t	Santee	92071	2AR	1,542	8,368	18.43	RV Parking Lot
t	Santee	92071	1B	2,860	11,916	24.00	COA - 1-Story Required & RV Parking
t	Santee	92071	1ALT-AR	2,630	6,864	38.32	COA - 1-Story Required
t	Santee	92071	1BR	2,860	7,292	39.22	COA - 1-Story Required
	Santee	92071	2AR	1,542	6,392	24.12	
ror	t Porch SF	Total					
ted	for Lot Cov	erage					
h P	lan (Plan 1-	ALT-A)					

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		ni	LUCLUTION NU. U	<i>31-</i> 2018			:	
	C	d. Park-in-Lieu Park-in-Lieu	\$ 122,205.00 \$ 282,226.00	or or	\$8,147.00/unit (15 units) \$7,427.00/unit (38 units)			17
	e	 Public Facilities Public Facilities 	\$ 101,505.00 \$ 231,876.00	or or	\$6,767.00/unit (15 units) \$6,102.00/unit (38 units)		1 	18
	f. 21 D	RTCIP Fee RTCIP Fee	\$ 37,997.25 \$ 96,259.70	or or	\$2,533.15/unit (15 units) \$2,533.15/unit (38 units)			* 19
	ST.D CL SI C	urrent fee ordinances hall be adjusted on ode.	s in effect at the tim an annual basis in	e of issu the ac	accordance with ance of building permit. Fees cordance with the Municipal			20
	Fo ol pr Si	ee Credits for one ex btains demolition pe rior to removal. Fee (ignal.	isting dwelling unit mit prior to remova Credits will only be a	may be a al, and re applied t	applied provided the applicant eceives Engineering approval o Drainage, Traffic and Traffic			21
	32.Ao th bl	ddress numbers sha le street or private di lack in color (or othe uutifamily residential	Il be placed near the state of	he front I be bloc in conti	door of each unit visible from k style, 4" in height minimum, ast with their background. In			23
	ar 33. Al	n approved location	on the garage side	of each approv	unit.			24
	sp cc fo 34.Th	ontractor. Separate p ontractor. Separate p r approval prior to in hree (3) fire hvdrants	signed and installe plans are required to stallation.	o be sub	otate licensed tire sprinkler mitted to the Fire Department			25
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connections, and other details as required. Please contact the Fire Department

c. Traffi

Traffi

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ix-foot decorative masonry screening wall shall be installed along the outhern side of the project site along Prospect Avenue adjacent to the singlemily residential development.

ix-foot high solid vinyl panel fencing shall be installed along the west side of arrokal Lane (project's frontage) adjacent to the Mission Gorge Villas Mobile ome Park.

I private street lights shall be energy efficient models to be approved by the itv Traffic Engineer.

he applicant shall in install a 6-foot tall, black tubular metal fence around the etention basin (Lot "A"), per plans.

he applicant shall submit for approval of the Director of Development Services I materials, notices, wordings, etc. for the purposes of public disclosure to omeowners of any and all present or anticipated future assessment districts.

rovide a Construction and Demolition debris deposit as required by Chapter 3.38 SMC.

ubmit a landscape plan that meets the requirements of the City' Water fficient Landscape Ordinance (Chapter 13.36 SMC).

ne landscape plan shall include 33 coast live oaks (Quercus agrifolia) on the oject site and/or elsewhere in the City at the applicant's expense. The oplicant must coordinate with the Director of Community Services for placement trees planted within the City.

he landscape plan shall provide details on the recreation area required in cordance with Section 13.10.040(F) of the SMC. The details of the common pen space area in Lot "C" shall include the following:

Details of the proposed play structure.

Details of the picnic table, bench, and trash receptacle. Details of the bicycle racks in a 20-foot by 20-foot area.

Details of a pet waste station.

model home complex and a construction trailer/office are authorized subject prior review of the proposal by the City, applicable building / grading permits, nd imposition of operating conditions by the Director of Development

oplicant shall obtain final map approval and record the final map. Once corded, the applicant shall within thirty days of recordation, provide one mylar ppy of the recorded map to the Department of Development Services

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ngineering Division together with three printed copies of the map for the City's rmanent record. The prints and mylar shall be in accordance with City andards.

ot Plans shall be submitted to the Department of Development Services ngineering Division and be completed and accepted prior to issuance of any uilding permits or start of construction of the street improvements. The plans hall be prepared at a scale of $1^{"} = 20$ '. Plan format and content shall comply th Engineering Division standards.

Down spouts and HVAC systems are not permitted to be connected to the storm drain conveyance system. All non-storm water discharges must either drain to landscaped areas, or be plumbed to the sewer and shown on the plot plans accordingly.

ot plans shall be one hundred percent complete at the time of plan check ibmittal, be prepared in accordance with City guidelines and be ready for ceptance by the City. At the time of plan submittal, the applicant shall hedule an appointment with their designated City project engineer and the plicant's design engineer to review the plan submittal for completeness. The lowing shall be included as part of the grading plan submittal package:

Six sets of plans bound and stapled

Plan check fees 3. A cost estimate for the cost of construction

blowing issuance of a grading permit the applicant shall complete rough ading in accordance with the approved grading plans and the commendations of the project's geotechnical engineer. Following completion the rough grading and prior to issuance of any building permits, provide three iginals of a rough grading report, which shall include a compaction report epared by the geotechnical engineer, and a certification by the project civil gineer that all property corners, slopes, retaining walls, drainage devices and ilding pads are in conformance with the approved grading plans.

e applicant shall pay all development impact fees in effect at the time of suance of building permits. At present, the fees, are estimated to be as

Drainage	\$ 45,345.00	or	\$3,023.00/unit (15 units)
Drainage	\$ 78,546.00	or	\$2,067.00/unit (38 units)
Traffic	\$ 57,120.00	or	\$3,808.00/unit (15 units)
Traffic	\$ 90,440.00	or	\$2,380.00/unit (38 units)
Traffic Signal	\$ 5,895.00	or	\$ 393.00/unit (15 units)
Traffic Signal	\$ 9,348.00	or	\$ 246.00/unit (38 units)

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units per acre. The project includes 15 single-family units with a density of 4.3 dwelling units per acre. The proposed development is compatible with existing single and multiple-family development in the area, which ranges from 3 to 20 units per acre compatible with the Development Review criteria contained in section 13.08.070 of the Municipal Code. The proposed units would have heights similar to heights allowed in the adjacent R-2 and R-7 zoned properties including the adjacent multi-family project to the east which is designated and zoned as R-7 and the adjacent undeveloped parcel to the north which received discretionary approval for a multi-family project designated and zoned R-7.

B. That the proposed development conforms to the Santee General Plan. The project provides a low-medium and medium-density product which has access to a collector street or larger. The project provides a density consistent with the R-2 and R-7 density in the Land Use Element of the General Plan and is located along Prospect Avenue, a designated collector street in the Circulation Element of the General Plan. The project is consistent with the Objective 5.0 of the Housing Element which encourages a wide range of housing.

SECTION 3: The Development Review Permit DR2016-4 consisting of a residential project with 38 condominiums and 15 single-family dwelling units located on Prospect Avenue at Marrokal Lane is hereby approved subject to the following conditions:

A. The applicant shall obtain approval of Tentative Map TM2016-3.

Β. The applicant shall be responsible for complying with all the provisions of the Mitigation Monitoring and Reporting Program adopted by the City Council on October 9, 2019 and attached to Resolution No. 098-2019 as Exhibit "B". Each and every mitigation measure contained in the Mitigation Monitoring and Reporting Program is hereby expressly made a condition of project approval in accordance with State CEQA Guidelines, section 15074.1.

C. Prior to Building Permit Issuance:

- 1. Following project approval the applicant shall schedule with the City Project Planner a post approval meeting to discuss the project conditions of approval. timing of design and construction and implementation of the project conditions. The meeting shall be scheduled within thirty days of project approval and prior to any plan submittals. The applicant should include their project design team including project architect, their design engineer and their landscape architect.
- 2. The submitted building plans shall be in substantial conformance with the approvals and conditions of approval for Tentative Map 2016-3 and Development Review Permit DR2016-4.
- 3. Receive determination from the Federal Aviation Administration that the proposed maximum building height of the multiple-story units in the R-7 zone would not create a hazard to air navigation.

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- 4. The maximum building height for the condominiums shall not exceed 35 feet.
- 5. Each garage must provide 150 cubic feet of lockable, enclosed storage space in accordance with Section 13.10.040(H) of the Santee Municipal Code (SMC)
- 6. The garage for each dwelling unit shall be a minimum 20 feet by 20 feet unobstructed in accordance with Section 13.24.030(B)(1)(d) of the SMC.
- 7. Trash enclosures shall comply with the requirements in Section 13.10.040 I. of the SMC.
- 8. The applicant shall install a rainwater harvesting system for each dwelling unit, subject to review and approval by the Director of Development Services.
- 9. The applicant shall include a roof-mounted solar photo-voltaic system to the maximum feasible extent given roof space or as required by the current CA Code of Regulations Title 24 at the time of building permit issuance.
- 10. Each garage shall be pre-wired to support a Level 2 EV charging system.
- 11. The applicant shall provide an in-garage EV charging station for every homeowner who can show EV ownership at the time of purchase.
- 12. Units 50-52 along Prospect Avenue must remain single-story units. Refer to G.1.m.
- 13. The project shall provide and maintain 13 guest/visitor parking spaces evenly distributed throughout the site. These parking spaces shall be properly signed (i.e. stenciled signage) as guest/visitor parking and shall not be used by residents. Parking shall be allowed on the side where homes and driveways face the street. Street "A" shall be a minimum 30' curb to curb with parking allowed on one side of the street. The opposite side of the street shall be marked No Parking Fire lane as approved by the Fire Marshall and required to be enforced through the project CC&R's.
- 14. The guest parking spaces at Lot "C" shall be removed and replaced with bicycle racks in a 20-foot by 20-foot area. The remaining areas shall be incorporated into the park.
- 15. Five-foot high vinyl (interior) fencing shall be installed along the rear and side yards of all single-family residential lots within the project site.
- 16. Five-foot concrete decorative solid masonry unit retaining walls shall be installed around the southern and eastern sides of the project site adjacent to the single-family residential development, as well as along the rear yards of units 42 and 43 and along the northern property boundary and around the biofiltration basin.



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EXHIBIT "A"

Legal Description

Block "C" of Fanita Rancho, in the City of Santee, County of San Diego, State of to Revised Map No. 688 of a part of said Rancho, filed in the Recorder's Office, ring Southerly of a line drawn at right angles Westerly from a point in the Easterly line point is 892 feet Southerly from the Northeast Corner of Lot 3 in said Block "C".

that portion thereof described as follows:

utheast corner of said Lot 14; thence in a Southwesterly direction along the f said Lot 14, a distance of 494 feet; thence Northerly along a line which is parallel of said Lot, a distance of 393 feet; thence in an Easterly direction, a distance of 483 East line of said lot which is distant therealong 336 feet Northerly from the ereof; thence Southerly along the East line of said lot, a distance of 336 feet to the

aht of way road purposes over the Westerly 20 feet of Lots 3 and 14 in said Block "C". and portion thereof lying within the first above described parcel.

n on Certificate of Compliance, as evidenced by document recorded April 22, 1994 as 71647, of Official Records, being more particularly descried in the document as

4 in Block "C" of Fanita Rancho, in the County of San Diego, State of California, ereof No. 688, filed in the Office of the County Recorder of said County, October 22,

in the Southerly line of said Lot 14 distant thereof South 76° 02' 45" West 494.00 feet corner thereof thence; North 0" 17' 36" East parallel with the East line of said Lot 14 lorth 82° 36' 43" East 483.14 feet to a point in the East line of said Lot 14; thence 0" said East line 176.00 feet to the Northeasterly corner of the Southerly 160.00 feet of 0.00 feet being measured along the East line of said Lot 14; thence South 76° 02' 45° nence South 1° 27' 18" East 158.84 feet to a point in the Southerly line of said Lot 14, outherly line, Westerly to the true point of beginning.

iption) 383-112-55-00

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EXHIBIT B

IGATION MONITORING AND REPORTING PROGRAM VE MAP TM2016-3 / DEVELOPMENT REVIEW PERMIT DR2016-4

of the Public Resources Code requires that public agencies "adopt a oring program for the changes which it has adopted or made a condition I in order to mitigate or avoid significant effects on the environment. monitoring program shall be designated to ensure compliance with plementation." This mitigation monitoring and reporting program has conformance with Section 21081.6 of the Public Resources Code. In State CEQA Guidelines, section 15074.1, each and every one of these es are expressly made conditions of Project approval.

vith any of these conditions, as identified by City staff or a designated ult in the issuance of a Cease and Desist Order for all construction ler shall remain in effect until compliance is assured. Non-compliance occur subsequent to Project construction will be addressed on a casemay be subject to penalties according to the City of Santee Municipal sing of development has been established, it may be necessary for this m to be amended, with City approval.

(Preconstruction Nest Surveys)

rder to protect and avoid impacts to potential wildlife nursery sites, dard seasonal restrictions on clearing and grading shall be emented. Therefore, site brushing, grading, and/or the removal of station within 300 feet of any potential migratory songbird nesting tion, including nesting locations for ground-nesting birds, will not be nitted during the spring/summer migratory songbird breeding season, ed as from 15 February to 31 August of each year. This is required in r to ensure compliance with the Sections 3503, 3503.5, 3511, and 3513 California Fish and Game Code and the federal Migratory Bird Treaty Limiting activities to the non-breeding season will minimize chances for ncidental take of migratory songbirds or raptors. Should it be necessary onduct brushing, grading, or other site activities during the songbird ding season, a preconstruction nesting survey of all areas within 300 of the proposed activity will be required. The results of the survey shall rovided in a report to the City of Santee Planning Department, for surrence with the conclusions and recommendations.

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- 3. All groundcover installed pursuant to an approved landscape plan shall provide 100 percent coverage within 9 months of planting or additional landscaping, to be approved by the Director, shall be required in order to meet this standard. The developer shall be responsible for this planting even if their involvement in the project is otherwise complete.
- 4. All storm water best management practices (BMPs) outlined in the Storm Water Management Plan must be installed and operational to the satisfaction of the Director of Development Services. Failure to maintain a required BMP will subject property owners and/or the Homeowners Association to civil penalties.
- 5. All light fixtures shall be designed and adjusted to reflect light downward, away from any road or street, and away from any adjoining premises, and shall otherwise conform to the requirements of Title 13 of the Santee Municipal Code

SECTION 4: The terms and conditions of this Development Review Permit DR2016-4 shall be binding upon the permittee and all persons, firms and corporations having an interest in the property subject to this Development Review Permit DR2016-4 and the heirs, executors, administrators, successors and assigns of each of them, including municipal corporations, public agencies and districts.

SECTION 5: This Development Review Permit DR2016-4 expires on October 9, 2022 at 5:00 p.m. unless prior to that date a Final Map has been recorded pursuant to Tentative Map TM2016-3, or unless a time extension for obtaining such approval of the Final Map is approved as provided by the Santee Subdivision Ordinance. The City Council expressly grants to the Director of Development Services the authority to extend the expiration date of this approval pursuant to Section 13.04.090.B of the Santee Municipal Code, when a request for an extension is filed 60 days prior to the original expiration date.

SECTION 6: Pursuant to Government Code Section 66020, the 90-day approval period in which the applicant may protest the imposition of any fees, dedications, reservations, or exaction imposed pursuant to this approval, shall begin on October 9, 2019.

SECTION 7: The applicant shall defend, indemnify, and hold harmless the City of Santee and its officers, employees and agents from any claim, action, or proceeding against the City and/or its officers, employees or agents to attack or set aside, void, or annul the approval of the City of Santee concerning this Resolution or any action relating to or arising out of its approval.

SECTION 8: The City of Santee hereby notifies the applicant that State Law (AB3158), effective January 1, 1991, requires certain projects to pay fees for purposes of funding the California Department of Fish and Wildlife. In order to comply with State Law, the applicant should remit to the City of Santee Department of Development Services, within two (2) working days of the effective date of this approval (the "effective date" being the end of the appeal period, if applicable), a certified check payable to the "County of San

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Diego" in the amount of \$2,354.75. This fee includes an authorized County administrative fee of \$50. Failure to remit the required fee in full within the time specified above will result in notification to the State that a fee was required but not paid, and could result in State imposed penalties and recovery under the provisions of the Revenue and Taxation Code. In addition, Section 21089 (b) of the Public Resources Code and Section 711.4 (c) of the Fish and Game Code, provide that no project shall be operative, vested, or final until the required filing fee is paid.

SECTION 9: The documents and materials that constitute the record of proceedings on which these findings have been based are located with the City Clerk at the City of Santee City Clerk's office at 10601 Magnolia Avenue, Building #3, Santee, CA 92071.

ADOPTED by the City Council of the City of Santee, California, at a Regular Meeting thereof held this 9th day of October 2019, by the following roll call vote to wit:

AYES: HALL, HOULAHAN, KOVAL, MCNELIS, MINTO

NOES: NONE

ABSENT: NONE

APPROVED:

ATTEST:

ANNETTE ORTIZ, MBA, CMC, CITY CLERK

Attachment: Exhibit A – Legal Description Exhibit B - Mitigation Monitoring and Reporting Program (MMRP)

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022 California Building Standard Codes Approved 03/06/2024 Plan Reviewer: BDivision

Plan-Approved

RESOLUTION NO. 097-2019

for exact details to be submitted for your project.

G.

- 5. The applicant shall obtain final clearance for occupancy by signature on the final inspection request form from the Building Division, Fire Department and the Planning and Engineering Divisions of the Department of Development Services.
- 6. Provide two print copies and a digital copy of both the final approved Storm Water Quality Management Plan and the Operation and Maintenance Plan.
- 7. Submit a print and digital copy of the BMP Certification package. The BMP certification package includes but is not limited to: "wet signed and stamped certification form(s), all BMP related product receipts and materials delivery receipts, an inspection and installation log sheet, and photographs to document each stage of BIMP installa
- 8. Prior to issuance of the final r cupancy, an executed contract must be in place with a qualified structure provider and a copy of the SWQMP provided to the consultant and A SAFEWER SOMPANY
- 9. Complete construction of all improvements shown on the approved plans to the satisfaction of the Director of Development Services.

The following cond<mark>itions apply to the project approved a</mark>nder TM2016-3 and DR2016-4 and shall be memorialized by recording a "Notice of Restrictions" on the property. This notice shall be prepared to the satisfaction of the Director of Development Services:

- 1. The development's Covenants, Conditions, and Restrictions (CC&Rs) shall include, but are not limited to, the following:
- a. Prohibition on parking boats, recreational vehicles, etc. on driveways and
- b. Statement that accessory structure standards such as carports, patio covers, gazebos, etc., internal setbacks / building separations, individual lot coverage limitations shall comply with the development standards as required by Table 13.10.040A for R2 and R7 districts.
- c. Maintenance of private roads, water and sewer lines, and storm water facilities.
- d. Maintenance of a minimum of 13 parking spaces for visitors and guests, including signage.
- e. The statement that all garages shall be kept clear so that two cars can be parked in the garage at all times.

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- f. The maintenance and operation of the improvements shall be assured by the granting of an undivided interest in the subject landscape areas to the purchasers of each of the individual dwelling units in the subject development and inclusion in the deeds conveying said individual units such provisions as: covenants running with the land requiring the owners, their heirs, administrators, successors and assigns to participate in the cost of such maintenance and operation, and the creation of a legal entity right to assess all owners in the cost of the maintenance and of said facilities and capable of maintaining the improvements and said landscaping, drainage, and walls, and for the participating of the owners of all dwelling units in the maintenance and enforcement of such provisions.
- g. The statement that the City has the right, but not the obligation, to provide for the maintenance of all drainage improvements and landscaping if the homeowner association fails to perform its maintenance obligation by the City, cost for such service shall become a lien upon the property and/or each unit, as appropriate.
- h. A statement that the entitlements contain an approved Landscaping and Fencing Plan pursuant to DR2016-4 and that revisions to the perimeter fence plan shall require approval from the Director of Development Services.
- i. A statement that the Homeowners' Association and/or property owners shall bear legal and financial responsibility for compliance with the approved Stormwater Management Plan and all applicable stormwater regulations. that this obligation shall transfer to all future property owners, and that it be disclosed to property owners prior to each new sale.
- ition on adding a second story to Units 50-52 along Prospect Avenue.
- enance of a rain-harvesting system for each unit.
- 2. um Density Residential (R-7) development standards shall apply to family development (383-112-32) and the Low-Medium Density (R-2) ent standards shall apply to the single-family development. Prospect a Circulation Element street requiring a 25-foot setback for buildings Itimate right-of-way line.
- H. Upor shment of the use pursuant to this Development Review Permit the ditions shall apply:
 - ed landscaping shall be adequately watered and maintained in a 1. A and thriving condition, free from weeds, trash, and debris.

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2 ng areas and driveways shall be well maintained.

Permit: B-RNW-23-0006 REV

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RESOLUTION NO. 097-2019

and residents to contact the job superintendent. In the event that the City received a complaint regarding construction noise, appropriate corrective actions shall be implemented and a report of the action provided to the reporting party.

NOI-2 (HVAC Units)

The Project Applicant or agent thereof, shall construct a noise barrier between any HVAC unit located within 52 feet of the property line of an adjacent residential property. Where HVAC units would be located at least 10 feet from the nearest property line, the height of the sound wall shall be at least 4 feet above grade ; where HVAC units would be located between 7 and 10 feet from the nearest property line, the height of the sound wall shall be at least 5 feet above grade; where the HVAC units would be between 6 and 7 feet from the nearest property line, the height of the sound wall shall be at least 6 feet above grades; HVAC units shall not be located at or within 5 feet of the nearest property line. Sound walls shall be constructed of a material with a minimum weight of two pounds per square foot and shall be free from gaps or perforations. Prior to issuance of Permit to Occupy proposed residences, the Project Applicant shall demonstrate to the City staff that sound walls meeting the criteria stated above have been constructed.

If available, a sound enclosure may be substituted for sound walls if the sound power level of the HVAC units with the enclosure is 63dB(A) or less (equates to a sound pressure level of 55 dB(A) at 1 meter (3.3 feet) and the HVAC unit is located beyond 20 feet from the nearest property line.

B. Monitoring: Responsibility: Applicant

Inspection:	City of Santee Department of Development Services Planning Division			
Financial:	Applicant			



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RESOLUTION NO. 097-2019

adequate knowledge and experience with fossilized remains likely to be present to identify them in the field and is adequately experienced to remove the resources for further study.

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b. A paleontologist or designate shall be present during grading as determined at the pre-grading conference. The monitor shall have the authority to temporarily direct, divert or halt grading to allow recovery of fossil remains. At the discretion of the monitor, recovery may include washing and picking of soil samples for micro-vertebrate bone and teeth. The developer shall authorize the deposit of any resources found on the Project site in an institution staffed by qualified paleontologists as may be determined by the Director or his/her designee. The contractor shall be aware of the random nature of fossil occurrences and the and the aware of the random mature of lossif occurrences and the possibility of a discussion of remains of such scientific and/or ed reational improperation or pressing the resolved by the parentologist al INTERWEST /ery times shall be resolved by the Director or his/h€. AREWERGENER.
 Fossil Recovery and Curation

- a. If tossils are discovered, the paleontologist (or paleontological be completed in a short period of time. However, some fossil specimens (such as complete large mammal skeleton) may require an extended salvage period. In these instances the paleontologist (or paleontological monitor shall be allowed to temporarily direct, divert, or halt grading to allow recovery of fossil remains in a timely manner. Because of the potential for the recovery of small fossil remains, such as isolated mammal teeth, it may be necessary in certain instances, to set up a screenwashing operation on the site.
- b. Fossil remains collected during the monitoring and salvage portion of the mitigation program shall be cleaned repaired, sorted, and cataloged.
- c. Prepared fossils, along with copies of all pertinent field notes, photos, and maps, shall either be deposited (as a donation) in a scientific institution with permanent paleontological collections such as the San Diego Natural History Museum or retained by the City and displayed to the public at an appropriate location such as a library or City Hall.

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4. Monitoring Report

Prior to issuance of a permit for occupancy of any buildings, a paleontological monitoring report shall be submitted to the Planning Director. This report shall describe all the materials recovered and provide a tabulation of the number of hours spent by paleontological monitors on the site.

B. Monitoring: Responsibility:

Applicant City of Santee Department of Development Services -Planning Division

Financial:

Inspection:

3. NOISE

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Α. Mitigation:

<u>NOI-1</u>

Prior to issuance of any grading permit(s) for the project, the project applicant or its contractors) shall ensure that:

Applicant

- 1. All construction equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers.
- 2. Construction noise reduction methods such as shutting off idling equipment, maximizing the distance between construction equipment staging areas and occupied residential areas, and use of electric air compressors and similar power tools, rather than diesel equipment, shall be used where feasible.
- 3. During construction, stationary construction equipment shall be placed such that emitted noise is directed away from or shielded from sensitive noise receivers.
- 4. During construction, stockpiling and vehicle staging areas shall be located as far as practical from noise sensitive receptors.
- 5. The project shall be in compliance with the City's Noise Abatement and Control Ordinance such that construction shall occur on the weekdays (Monday through Friday) and Saturday between the hours of 7:00 a.m. to 7:00 p.m. Construction hours, allowable workdays and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow surrounding property owners

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GENERAL REQUIREMENTS

- THE WORD 'CONTRACTOR' AS USED HEREIN SHALL MEAN THE GENERAL CONTRACTOR, SUBCONTRACTORS AND ALL PERSONS DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM.
- CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FOLLOWING APPLICABLE CODE REQUIREMENTS:
- A. ALL LAWS, STATUTES, THE MOST RECENT BUILDING CODES, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES HAVING JURISDICTION OVER OWNER, CON-TRACTOR, ANY SUBCONTRACTOR, THE PROJECT, THE PROJECT SITE, THE WORK, OR THE PROSECUTION OF THE WORK.
- B. THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT AND ALL OTHER APPLICABLE CODE REQUIREMENTS RELATING TO SAFETY.
- THE FAIR HOUSING AMENDMENTS ACT, THE AMERICANS WITH DISA-BILITIES ACT, AND ALL OTHER APPLICABLE CODE REQUIREMENTS RELATING THERETO.
- CONTRACTOR SHALL CAREFULLY STUDY AND REVIEW THE CONSTRUCTION DOCUMENTS AND INFORMATION FURNISHED BY OWNER, AND SHALL PROMPTLY REPORT IN WRITING TO OWNER'S REPRESENTATIVE ANY ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONSTRUCTION DOCU-MENTS OR INCONSISTENCIES WITH APPLICABLE CODE REQUIREMENTS OBSERVED BY THE CONTRACTOR.
- IF CONTRACTOR PERFORMS WORK WHICH HE KNOWS OR SHOULD KNOW IS CONTRARY TO APPLICABLE CODE REQUIREMENTS, WITHOUT THE AGREEMENT OF OWNER/BUILDER, CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH WORK AND SHALL BEAR THE RESULTANT LOSSES, INCLUDING, WITHOUTLIMITATION, THE COSTS OF CORRECTING DEFECTIVE WORK.
- ALL REFERENCES TO THE CALIFORNIA RESIDENTIAL CODE SHALL BE TO 2022 EDITION.
- CONTRACTOR SHALL PROVIDE CERTIFICATES OF INSURANCE ACCEPTABLE TO OWNER/BUILDER PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS, AND CAREFULLY COMPARE WITH THE CONSTRUCTION DOCUMENTS SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO CONTRACTOR BEFORE COMMENCING THE WORK. ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED AT ANY TIME SHALL BE PROMPTLY REPORTED IN WRITING TO THE OWNER/BUILDER.
- CONTRACTOR SHALL PROMPTLY NOTIFY OWNER'S REPRESENTATIVE IF CONTRACTOR BECOMES AWARE DURING THE PERFORMANCE OF THE WORK THAT THE CONSTRUCTION DOCUMENTS ARE NOT IN COM-PLIANCE WITH APPLICABLE CODE REQUIREMENTS.
- BY SUBMITTAL OF BID, CONTRACTOR WARRANTS TO OWNER/BUILDER THAT ALL MATERIALS AND EQUIPMENT TO BE FURNISHED ARE NEW UNLESS NOTED OTHERWISE AND ALL WORK WILL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECTS.
- SUBCONTRACTORS SHALL INSURE THAT ALL WORK IS DONE IN A PROFESSIONAL WORKMANLIKE MANNER BY SKILLED MECHANICS AND SHALL REPLACE ANY MATERIALS OR ITEMS DAMAGED BY SUB-CONTRACTOR'S PERFORMANCE, SUBCONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND COOPERATE FULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK. ALL SUBCONTRACTOR WORKMANSHIP SHALL BE OF QUALITY TO PASS INSPECTIONS BY LOCAL AUTHORITIES, LENDING INSTITUTIONS, ARCHITECT OR BUILDER. ANY ONE OR ALL OF THE ABOVE MENTIONED INSPECTORS MAY INSPECT WORKMANSHIP AT ANY TIME, AND CORRECTIONS NEEDED TO ENHANCE THE QUALITY OF BUILDING WILL BE DONE IMMEDIATELY, EACH SUBCONTRACTOR, UNLESS SPECIFICALLY EXEMPTED BY THE TERMS OF HIS/HERS SUBCONTRACT AGREEMENT, SHALL BE RESPONSIBLE FOR CLEANING UP AND REMOVING FROM THE JOB SITE ALL TRASH AND DEBRIS NOT LEFT BY OTHER SUBCONTRACTORS, OWNER/BUILDER WILL DETERMINE HOW SOON AFTER SUBCONTRACTOR COMPLETES EACH PHASE OF HIS WORK THAT TRASH AND DEBRIS WILL BE REMOVED FROM THE SITE.
- APPROVAL BY THE BUILDING INSPECTOR DOES NOT MEAN APPROVAL OR ALLOWABLE FAILURE TO COMPLY WITH THE PLANS AND SPECIFICATIONS. ANY DESIGN WHICH FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE ARCHITECT OR ENGINEER FOR INTERPRETATION OR CLARIFICATION,
- ALL EQUIPMENT AND MATERIALS FURNISHED AND INSTALLED UNDER THESE PLANS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK BY OWNER/BUILDER UNLESS STIPULATED OTHERWISE
- ALL TRADE NAMES AND BRAND NAMES CONTAINED HEREIN ESTABLISH QUALITY STANDARDS. SUBSTITUTIONS ARE PERMITTED, WITH PRIOR APPROVAL BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECT'S AND BUILDER'S APPROVAL ALL MATERIALS OR EQUIPMENT WHICH IS CONSIDERED "OR EQUAL" TO THAT SPECIFIED.
- CONSTRUCTION DOCUMENTS IDENTIFIED A "NOT FOR CONSTRUCTION" WATERMARK ON ANY OR ALL SHEETS MAY BE SUBJECT TO REVIEW. THIS REVIEW MAY RESULT IN CHANGES WHICH MAY BE MADE TO THE PLANS PRIOR TO THE ISSUANCE OF THE FINAL CONSTRUCTION SET WHICH WILL CONTAIN NO WATERMARK DESIGNATIONS, CONSTRUCTION DOCUMENTS IDENTIFIED WITH A WATERMARK ARE NOT TO BE CONSTRUED AS BEING THE COMPLETED OR FINAL DRAWINGS AND THEY SHOULD NOT IN ANY WAY BE USED AS SUCH.
- ALL STANDARD NOTES CONTAINED HEREIN ARE TYPICAL UNLESS NOTED OTHERWISE
- TYPICAL DETAILS AND SPECIFICATIONS ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE,
- SPECIFIC NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT
- SEE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR PITS, TRENCHES, ROOF OPENINGS, DEPRESSIONS, ETC. NOT SHOWN ON THE OTHER DRAWINGS.
- THE CONSTRUCTION DOCUMENTS AND ALL COPIES THEREOF FURNISHED TO CONTRACTOR ARE THE PROPERTY OF THE ARCHITECT AND ARE NOT TO BE USED ON OTHER WORK,

SITE WORK

- CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., AND BURIED ARTIFACTS SUCH AS INDIAN OR DINOSAUR BONES. IF ANY SUCH ITEMS ARE FOUND THE ARCHITECT, CIVIL ENGINEER, AND SOILS ENGINEER SHALL BE NOTIFIED IMMEDIATELY,
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO FULLY PROTECT ADJACENT PROPERTIES.
- REFER TO THE MOST CURRENT SOILS REPORT AS PREPARED BY THE GEOTECHNICAL ENGINEER.
- REFER TO CIVIL ENGINEER'S CURRENT GRADING AND SITE PLANS. REFER TO THE LANDSCAPE ARCHITECT'S CURRENT GRADING PLAN AND
- CONSTRUCTION DOCUMENTS.
- ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL, REFER TO GEOTECHNICAL REPORT,
- EXCAVATIONS FOR FOOTINGS SHALL BE MADE TO THE WIDTH, LENGTH, AND DEPTH REQUIRED AND FINISHED WITH LEVEL BOTTOMS.

SITE WORK continued

- EXCAVATIONS SHALL BE KEPT FREE OF STANDING WATER. WHERE EXCAVATIONS ARE MADE TO A DEPTH GREATER THAN INDICATED, ৰ SUCH ADDITIONAL DEPTH SHALL BE FILLED WITH CONCRETE AS SPECIFIED FOR FOOTINGS.
- IO. ALL FILLS SHALL COMPLY WITH THE PROVISIONS OF AN APPROVED SOILS REPORT
- FILL MATERIALS SHALL BE FREE FROM DEBRIS, VEGETABLE MATTER AND OTHER FOREIGN SUBSTANCES.
- 12. GRADE DIFFERENTIALS GREATER THAN 12" SHALL BE SUPPORTED BY AN
- APPROVED RETAINING WALL. ALL FINISH GRADES TO DRAIN AWAY FROM THE BUILDING FOOTINGS. 13.
- 14. THERE SHALL BE NO ON-SITE WATER RETENTION.
- THERE SHALL BE NO DRAINAGE TO ADJACENT PROPERTY
- DRIVEWAY PAVING SHALL BE 4 INCH THICK CONCRETE SLAB UNLESS OTHERWISE APPROVED BY OWNER/BUILDER.
- STREET ADDRESSES SHALL BE LOCATED ON BUILDING EXTERIORS IN WITH LOCAL POLICE AND FIRE DEPARTMENT REQUIREMENTS.

CONCRETE

- REFER TO STRUCTURAL ENGINEERING CALCULATIONS AND THE MOST CURRENT SOILS REPORT FOR THE PERFORMANCE REQUIREMENTS FOR CONCRETE FOUNDATIONS.
- CONCRETE STRENGTH SHALL BE PER CRC SEC, R402,2 AND TABLE R402,2 2. ALL PRESERVATIVELY TREATED WOOD REQUIRED TO BE TREATED UNDER REFER TO STRUCTURAL ENGINEERING CALCULATIONS, C.B.C. SEC. 2303.1.9 SHALL BE IDENTIFIED BY THE QUALITY MARK OF AN INSPECTION AGENCY WHICH HAS BEEN ACCREDITED BY AN ACCREDITATION CONCRETE SHALL BE MIXED IN ACCORDANCE WITH CRC SEC. R404,1,3,3,2, BODY WHICH COMPLIES WITH THE REQUIREMENTS OF THE AMERICAN LUMBER STANDARD COMMITTEE TREATED WOOD PROGRAM, OR CONCRETE SHALL BE PLACED IN ACCORDANCE WITH CRC SEC. EQUIVALENT
- 4. R404.1.3.3.2.
- CONCRETE COMPRESSIVE STRENGTH SHALL COMPLY WITH SEC. R402.2. PER ASSIGNED SEISMIC DESIGN CATEGORY, CRC SEC, R404,1,3,3,1 ALL FORM WORK SHALL BE DESIGNED, CONSTRUCTED, UTILIZED, AND
- REMOVED PER CRC SEC. R404.1.3.3.6. CONCRETE SLAB-ON-GROUND FLOORS SHALL BE DESIGNED AND CONS-TRUCTED IN ACCORDANCE OF CRC SEC, R506 OR ACI 332,
- CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH
- CRC SEC. R404.1.3.3.7.8. ALL STEEL REINFORCING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH CRC SEC. R404.1.3.3.7.1
- IO. TOP OF CONCRETE SLABS TO BE A MINIMUM 6" (8" H.U.D.) ABOVE FINISH GRADE.
- FOUNDATION WIDTHS, DEPTHS, AND REINFORCING, AS SHOWN ON PLANS, ARE SUPERCEDED BY ANY LOCAL CODES OR ORDINANCES WHICH REQUIRE I. INCREASES OF THE SAME.
- ALL REINFORCEMENT, CONDUIT, OUTLET BOXES, ANCHORS, HANGERS, 12. SLEEVES, BOLTS OR OTHER EMBEDDED MATERIALS AND ITEMS MUST BE SECURED AND APPROPRIATELY FASTENED IN THEIR PROPER LOCATIONS PRIOR TO THE PLACEMENT OF CONCRETE, SUB-CONTRACTOR SHALL VERIFY INSTALLATION OF HOLD-DOWNS, ANCHOR BOLTS, PA STRAPS, AND OTHER ANCHORAGE MATERIAL AND ITEMS PRIOR TO PLACEMENT OF CONCRETE.
- POST-TENSION SLABS, IF APPLICABLE: 3. WOOD FRAMING MEMBERS, INCLUDING COLUMNS, THAT REST DIRECTLY ON POINT AND LINE LOADS FROM STRUCTURE ABOVE TO BE PROVIDED CONCRETE OR MASONRY EXTERIOR FOUNDATION WALLS AND ARE LESS TO POST-TENSION ENGINEER PRIOR TO POST-TENSION DESIGN. THAN & INCHES FROM THE EXPOSED GROUND.
- ANCHOR BOLTS AND OTHER HARDWARE TO BE SHOWN ON POST-TENSION PLANS TO AVOID MIS-LOCATION OF HARDWARE AND POSSIBLE FIELD FIXES WHICH MAY CUT TENDONS.

MASONRY

- ANY AND ALL MATERIALS USED FOR THE CONSTRUCTION AND/OR INSTALLATION OF STONE OR MASONRY VENEER SHALL MEET THE QUALITY STANDARDS AS SET FORTH IN CRC SEC. RTO3.8.
- ALL MORTAR AND GROUT USED FOR THE CONSTRUCTION AND/OR 2. NSTALLATION OF STONE OR MASONRY VENEER SHALL MEET THE
- REQUIREMENTS OF CRC SEC. R606,2,10 AND R606,2,11, WATER USED IN MORTAR OR GROUT SHALL BE CLEAN AND FREE OF DELETERIOUS AMOUNTS OF ACID, ALKALIES, OR ORGANIC MATERIAL OR OTHER HARMFUL SUBSTANCES.
- EXCEPT FOR MORTARS LISTED IN SEC.5 R606.2.9, R606.2.10 AND R606,2.11. MORTAR FOR USE IN MASONRY CONSTRUCTION SHALL MEET THE PROPORTION SPECIFICATIONS OF TABLE R606.2.8 OR THE PROPERTY SPECIFICATIONS OF ASTM C270. THE TYPE OF MORTAR SHALL BE IN ACCORDANCE WITH CRC SEC.S R606.2.8.1, R606.2.8.2 AND R606.2.8.3.
- GROUT SHALL CONSIST OF CEMENTITIOUS MATERIAL AND AGGREGATE IN ACCORDANCE WITH ASTM C476 OR THE PROPORTION SPECIFICATIONS OF CRC TABLE R606.2.12, TYPE M OR TYPE S MORTAR TO WHICH SUFFICIENT WATER HAS BEEN ADDED TO PRODUCE POURING CONSISTENCY SHALL BE PERMITTED TO BE USED AS GROUT.
- CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM CI50. ALL BRICK SHALL CONFORM TO ASTM CIO88 FOR SOLID UNITS OF THIN VENEER BRICK.
- UNLESS SPECIFICALLY SHOWN OTHERWISE ALL BRICK SHALL BE LAID IN A RUNNING BOND PATTERN. MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL WITH CORROSION-RESISTANT METAL TIES EMBEDDED IN MORTAR OR GROUT
- THAT CLIMATIC CONDITIONS PRECLUDE THE NEED TO USE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD WHERE THE STRUCTURE 3.2 HORIZONTALLY AT INTERVALS NOT EXCEEDING IS EXPOSED TO THE WEATHER. AND EXTENDING INTO THE VENEER A MINIMUM OF 1 1/2 INCHES, WITH NOT WOOD COLUMNS IN CONTACT WITH BASEMENT FLOOR SLABS UNLESS LESS THAN 5/8 INCH MORTAR OR GROUT COVER TO OUTSIDE FACE, WHERE 10. SUPPORTED BY CONCRETE PIERS OR METAL PEDESTALS PROJECTING NOT VENEER IS ANCHORED TO WOOD BACKINGS BY CORRUGATED SHEET CEILINGS. METAL TIES, THE DISTANCE SEPARATING THE VENEER FROM THE SHEATHING LESS THAN I INCH (25 MM) ABOVE THE CONCRETE FLOOR AND SEPARATED MATE-RIAL SHALL BE A MAXIMUM OF A NOMINAL I INCH, WHERE THE FROM THE CONCRETE PIER BY AN IMPERVIOUS MOISTURE BARRIER. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT TH VENEER IS ANCHORED TO WOOD BACKINGS USING METAL STRAND WIRE CRC SEC. R317.1 BOTTOM OF THE RUN, ENCLOSED SPACES UNDER STAIRS S TIES, THE DIS-, TANCE SEPARATING THE VENEER FROM THE SHEATHING WITH SECTION R302.7. SHEATHING MATERIAL SHALL BE A MAXIMUM OF 4 1/2 INCHES, WHERE THE VENEERIS ANCHORED TO COLD-FORMED STEEL BACKINGS, ADJUSTABLE METAL AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WOOD STRUCTURAL PANELS SHALL CONFORM TO DOC PS 1, DOC PS 2, STRAND WIRE TIES SHALL-BE USED, WHERE VENEER IS ANCHORED TO ANSI/APA PRP 210, CSA 0325 OR CSA 0437. PANELS SHALL BE CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIA COLD-FORMED STEEL BACKINGS, THE DISTANCE SEPARATING THE VENEER IDENTIFIED BY A GRADE MARK OR CERTIFICATE OF INSPECTION ISSUED FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTIC FROM THE SHEATHING MATERIAL-SHALL BE A MAXIMUM OF 5 INCHES. (CRC FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED T BY AN APPROVED AGENCY, CRC SEC. R604. SEC. RT03.8) AS AN ALTERNATE TO THE AIRSPACE REQUIRED BY SEC. ASTM EI36 REQUIREMENTS. WOOD STRUCTURAL PANEL USED AS ROOF SHEATHING SHALL CONFORM TO RT03.8, MORTAR OR GROUT SHALL BE PERMITTED TO FILL THE AIRSPACE. REQUIREMENTS OF CRC SEC. 803,2. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, S WHERE THE AIRSPACE IS FILLED WITH MORTAR OR GROUT, A WATER-RESISTIVE BARRIER IS REQUIRED OVER STUDS OR SHEATHING. R1003.19 REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFICATIONS, З. WHEN FILLING THE AIR SPACE REPLACING THE SHEATHING AND CALCULA-TIONS, AND PLANS FOR REQUIRED STRENGTH, GRADE, AND FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING WATER-RESISTIVE BARRIER WITH WIRE MESH AND APPROVED THICKNESS FOR WOOD STRUCTURAL PANEL ROOF SHEATHING AND FOR WATER-RESISTIVE BARRIER-BACKED REINFORCEMENT, ATTACHED AT THE LINE OF DWELLING UNIT SEPARATION. DIAPHRAGM NAILING. DIRECTLY TO THE STUDS IS PERMITTED, CRC SEC. R103,8.4.2 9. FIREBLOCKING SHALL CONSIST TWO-INCH NOMINAL LUMBE
- IO. ADHERED MASONRY VENEER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION CRC SEC. RT03,12
- FLASHING SHALL BE LOCATED BENEATH THE FIRST COURSE OF MASONRY ABOVE FINISHED GROUND LEVEL ABOVE THE FOUNDATION WALL OR SLAB AND AT OTHER POINTS OF SUPPORT, INCLUDING STRUCTURAL FLOORS, SHELF ANGLES AND LINTELS WHERE MASONRY VENEERS ARE DESIGNED IN ACCORDANCE WITH CRC SEC. RT03,8, SEE CRC SEC. RT03,4 FOR ADDITIONAL REQUIREMENTS.

General Notes

MASONRY (continued)

12. WEEPHOLES SHALL BE PROVIDED IN THE OUTSIDE WYTHE OF MASONRY WALLS AT A MAXIMUM SPACING OF 33 INCHES ON CENTER, WEEPHOLES SHALL BE NOT LESS THAN 3/16 INCH IN DIAMETER, WEEPHOLES SHALL BE LOCATED IMMEDIATELY ABOVE THE FLASHING.

METALS

- REFER TO STRUCTURAL NOTES AND SPECIFICATIONS FOR STRUCTURAL STEEL AND METAL AND REINFORCING STEEL SPECIFICATIONS.
- ALL STRUCTURAL STEEL SHALL CONFORM TO 2022 CRC - 2.
- 3. FOUNDATION ANCHORAGE, SILL PLATES AND WALLS SUPPORTED DIRECTLY ON CONTINUOUS FOUNDATIONS SHALL BE ANCHORED TO THE FOUNDATION IN ACCORDANCE TO CRC SEC. R403.1.6.
- 4. FASTENERS IN PRESERVATIVE TREATED WOOD SHALL BE OF HOT DIPPED, ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER, CRC SEC, R317,3,1

WOOD & FRAMING LUMBER

- LOAD BEARING LUMBER SHALL BE IDENTIFIED BY A GRADE MARK OF A LUMBER GRADING OR INSPECTION AGENCY THAT HAS BEEN APPROVED BY AN ACCREDITATION BODY THAT COMPLIES WITH DOC PS 20. IN LIEU OF A GRADE MARK, A CERTIFICATE OF INSPECTION ISSUED BY A LUMBER GRA-DING OR INSPECTION AGENCY MEETING THE REQUIREMENTS OF FOLLOWING CRC SEC.S R502.1, R602.1 AND R802.1.
- ALL LUMBER SIZES NOTED AND SPECIFIED ON PLANS ARE NOMINAL SIZES З. UNLESS SPECIFICALLY INDICATED AS NET SIZE. GLUE LAMINATED LUMBER
- ALL GLUE LAMINATED TIMBER SHALL MEET THE STANDARDS OF QUALITY AND WORKMANSHIP AS STATED IN CRC SEC, R317,1 AND THE CURRENT EDITION OF THE TIMBER CONSTRUCTION MANUAL BY THE AMERICAN NSTITUTE OF TIMBER CONSTRUCTION.
- 2. STRUCTURAL GLUE LAMINATED TIMBERS SHALL BE MANUFACTURED AND DENTIFIED AS REQUIRED IN ANSI/AITC AI90.1 AND ASTM D3737. CRC SEC.S R502.1.3, R602.1.3 AND R802.1.2
- REFER TO THE STRUCTURAL ENGINEER'S CURRENT NOTES, CALCULATIONS, AND SPECIFICATIONS.
- PROTECTION AGAINST DECAY & TERMITE
- PROTECTION OF WOOD AND WOODBASED PRODUCTS FROM DECAY SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS BY THE USE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE-TREATED IN ACCORDANCE WITH AMPA U
- IN CRAWL SPACES OR UNEXCAVATED AREAS LOCATED WITHIN THE PERIPHERY OF THE BUILDING FOUNDATION, WOOD JOISTS OR THE BOTTOM OF A WOOD STRUCTURAL FLOOR WHERE CLOSER THAN 18 INCHES TO EXPOSED GROUND, WOOD GIRDERS WHERE CLOSER THAN 12 INCHES TO EXPOSED GROUND, AND WOOD COLUMNS WHERE CLOSER THAN & INCHES TO EXPOSED GROUND.
- 4. SILLS AND SLEEPERS ON A CONCRETE OR MASONRY SLAB THAT IS IN DIRECT CONTACT WITH THE GROUND UNLESS SEPARATED FROM SUCH SLAB BY AN IMPERVIOUS MOISTURE BARRIER.
- 5. THE ENDS OF WOOD GIRDERS ENTERING EXTERIOR MASONRY OR CONCRETE WALLS HAVING CLEARANCES OF LESS THAN 1/2 INCH ON TOPS, SIDES AND ENDS.
- MOOD SIDING, SHEATHING AND WALL FRAMING ON THE EXTERIOR OF A BUILDING HAVING A CLEARANCE OF LESS THAN 6 INCHES FROM THE GROUND OR LESS THAN 2 INCHES MEASURED VERTICALLY FROM CONCRETE STEPS, PORCH SLABS, PATIO SLABS AND SIMILAR HORIZONTAL SURFACES EXPOSED TO THE WEATHER.
- WOOD STRUCTURAL MEMBERS SUPPORTING MOISTURE-PERMEABLE FLOORS OR ROOFS THAT ARE EXPOSED TO THE WEATHER, SUCH AS CONCRETE OR MASONRY SLABS, UNLESS SEPARATED FROM SUCH FLOORS OR ROOFS BY AN IMPERVIOUS MOISTURE BARRIER. THE IMPERVIOUS MOISTURE BARRIER SYSTEM PROTECTING THE STRUCTURE SUPPORTING FLOORS SHALL PROVIDE POSITIVE DRAINAGE OF WATER THAT INFILTRATES THE MOISTURE-PERMEABLE FLOOR TOPPING.
- WOOD FURRING STRIPS OR OTHER WOOD FRAMING MEMBERS ATTACHED DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY WALLS OR CONCRETE WALLS BELOW GRADE EXCEPT WHERE AN APPROVED VAPOR RETARDER IS APPLIED BETWEEN THE WALL AND THE FURRING STRIPS OR FRAMING MEMBERS
- PORTIONS OF WOOD STRUCTURAL MEMBERS THAT FORM THE STRUCTURAL SUPPORTS OF BUILDINGS, BALCONIES, PORCHES OR SIMILAR PERMANENT BUILDING APPURTENANCES WHERE THOSE MEMBERS ARE EXPOSED TO THE MEATHER MITHOUT ADEQUATE PROTECTION FROM A ROOF, EAVE, OVERHANG OR OTHER COVERING THAT WOULD PREVENT MOISTURE OR WATER ACCUMULATION ON THE SURFACE OR AT JOINTS BETWEEN MEMBERS.
 - EXCEPTION: SAWN LUMBER USED IN BUILDINGS LOCATED IN A GEOGRAPHICAL REGION WHERE EXPERIENCE HAS DEMONSTRATED

- REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFICATIONS, CALCULA-TIONS, AND PLANS FOR REQUIRED STRENGTH, GRADE, AND THICKNESS FOR THICKNESS FOR PLYWOOD FLOOR SHEATHING PANELS AND FOR DIAPHRAGM NAILING AND ADHESIVE REQUIREMENTS.
- WHERE APPLICABLE, REFER TO THE SHEAR WALL SCHEDULE FOR REQUIRED STRENGTH, GRADE, AND THICKNESS OF PLYWOOD SHEAR PANELS AND FOR REQUIRED SHEAR WALL NAILING SCHEDULE.

WOOD & FRAMING (continued)

FLOOR FRAMING

- REFER TO THE STRUCTURAL ENGINEER'S CURRENT PLANS FOR SIZE, SPACING, AND ANCHORAGE OF ALL FLOOR JOI LOCATION, AND ANCHORAGE OF ALL FLOOR BEAMS AND ALL RELATED FRAMING ISSUES.
- 2. THE PLACEMENT OF HOLES IN FLOOR JOIST WEBS SHALL MANU-FACTURER'S SPECIFICATIONS. THE NOTCHING OR CL JOIST FLANGES IS NOT ALLOWED.

ROOF FRAMING

- ROOF FRAMING SHALL BE BY PRE-MANUFACTURED ROOF SPACED AT 24 INCHES ON CENTER UNLESS NOTED OTHER THE MANUFACTURER SHALL SUPPLY TO THE ARCHITECT AN CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL OF CONFIGURATION (2 OR 3 POINT BEARING), VOLUME CEILING SHEAR TRANSFER, PRIOR TO FABRICATION.
- ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNE PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHEN PROJECT IS TO BE BUILT.
- MANUFACTURER IS TO SECURE BUILDING DEPARTMENT APP CALCULATIONS AND SHOP DRAWINGS PRIOR TO FABRICA
- TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE CODE FOR ALL LOADS IMPOSED, INCLUDING LATERAL LOADS MECHANICAL EQUIPMENT LOADS.
- 6. ALL CONNECTORS SHALL BE I.C.C. APPROVED AND OF AD STRENGTH TO RESIST ALL DESIGN LOADS.
- AN ATTIC ACCESS MINIMUM OPENING ALLOWED IS 22"X 30 LARGEST PIECE OF EQUIPMENT CAN BE REMOVED THROUG (CMC SEC. 304.4) ATTIC ACCESS BE PROVIDED AND LOCA CORRIDOR, HALLWAY OR OTHER READILY ACCESSIBLE LO THIRTY-INCH-MINIMUM UNOBSTRUCTED HEADROOM IN THE A SHALL BE PROVIDED AT SOME POINT ABOVE THE ACCESS VERTICALLY FROM THE BOTTOM OF CEILING FRAMING ME SEC. R807.1).

MALL FRAMING

- EXTERIOR WALLS OF WOOD-FRAME CONSTRUCTION SHALL AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISION R602.3 OR IN ACCORDANCE WITH AWC NDS. COMPONENTS WALLS SHALL BE FASTENED IN ACCORDANCE WITH TABLE THROUGH R602,3(6), STRUCTURAL WALL SHEATHING SHALL DIRECTLY TO STRUCTURAL FRAMING MEMBERS, EXTERIOR COVERINGS SHALL BE CAPABLE OF RESISTING THE WIND LISTED IN TABLE R301.2(2) ADJUSTED FOR HEIGHT AND EX TABLE R301.2(3), WOOD STRUCTURAL PANEL SHEATHING US EXTERIOR WALLS SHALL CONFORM TO THE REQUIREMENTS R602.3(3). STUD SHALL BE CONTINUOUS FROM SUPPORT / PLATE TO A SUPPORT AT THE TOP PLATE TO RESIST LOA PERPENDICULAR TO THE WALL, THE SUPPORT SHALL BE A FLOOR, CEILING OR ROOF DIAPHRAGM OR SHALL BE DES ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE. (C R602.3).
- THE SIZE, HEIGHT, AND SPACING OF STUDS SHALL BE IN AC CRC TABLE R602,3(5), CRC SEC, R602,3
- WHERE PIPING OR DUCTWORK IS PLACED IN OR PARTLY IN WALL OR INTERIOR LOAD-BEARING WALL, NECESSITATING DRILLING OR NOTCHING OF THE TOP PLATE BY MORE THA OF ITS WIDTH, A GALVANIZED METAL TIE NOT LESS THAN (1.37 MM) (16 GA) AND 11/2 INCHES (38 MM) WIDE SHALL BE ACROSS AND TO THE PLATE AT EACH SIDE OF THE OPENI LESS THAN EIGHT IOD (0.148 INCH DIAMETER) NAILS HAVIN LENGTH OF 11/2 INCHES (38 MM) AT EACH SIDE OR EQUIVA TIE MUST EXTEND NOT LESS THAN 6 INCHES PAST THE OPE R602.6.1
- ANY STUD MAY BE BORED OR DRILLED, PROVIDED THAT OF THE RESULTING HOLE IS NO MORE THAN 60 PERCENT (DEPTH, THE EDGE OF THE HOLE SHALL NOT BE LESS THAN FROM THE EDGE OF THE STUD, AND THE HOLE SHALL NOT THE SAME SECTION AS A CUT OR NOTCH, WHERE THE DIAN BORED HOLE IN A STUD LOCATED IN EXTERIOR WALLS OF PARTITIONS IS OVER 40 PERCENT, SUCH STUD SHALL BE I NOT MORE THAN TWO SUCCESSIVE DOUBLED STUDS SHALL CRC SEC. R602.6(1) AND R602.6(2).
- REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFIC CALCULA-TIONS, AND PLANS FOR REQUIRED STRENGTH OF WALLS AND INTE-RIOR BEARING WALLS OF WOOD-FRAME

FIRE BLOCKING AND DRAFTSTOPPING

- IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE CUT OFF BOTH VERTICAL AND HORIZONTAL CONCEALED I AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STO BETWEEN A TOP STORY AND THE ROOF SPACE, FIREBLOC INSTALLED IN THE LOCATIONS SPECIFIED IN CRC SEC, R30 BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS.
- FIREBLOCKING SHALL BE PROVIDED IN WOOD-FRAMED CO THE FOLLOWING LOCATIONS: CRC SEC. R302.11
- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS FURRED SPACES AND PARALLEL ROWS OF STUDS OR STA AS FOLLOWS:
 - 3.1 VERTICALLY AT THE CEILING AND FLOOR LEVEL

GLASS FIBER OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A

THE SPECIFIC APPLICATION, CRC SEC, R302.11.1

MANNER AS TO BE SECURELY RETAINED IN PLACE, CELLULOSE INSULATION

INSTALLED AS TESTED IN ACCORDANCE WITH ASTM EII9 OR UL 263, FOR

		2022 (84			
OOD & FRAMING	M	/OOD & FRAMING	•		
ontinued)	(c	continued)		Vh	
	<u> </u>	/		NN)
OR FRAMING REFER TO THE STRUCTURAL ENGINEER'S CURRENT PLANS & CALCULATIONS FOR SIZE, SPACING, AND ANCHORAGE OF ALL FLOOR JOISTS; SIZE, LOCATION, AND ANCHORAGE OF ALL FLOOR BEAMS AND HEADERS; AND	10	WALLS HAVING PARALLEL OR STAGGERED STUDS FOR SOUND-TRANSMISSION CONTROL SHALL HAVE FIRE BLOCKS OF BATTS OR BLANKETS OF MINERAL OR GLASS FIBER OR OTHER APPROVED NONRIGID MATERIALS, SHALL BE PERMITTED FOR COMPLIANCE WITH 10-FOOT HORIZONTAL FIREBLOCKING, CRC SEC, R302,11,1		HOME	1
THE PLACEMENT OF HOLES IN FLOOR JOIST WEBS SHALL BE PER MANU-FACTURER'S SPECIFICATIONS. THE NOTCHING OR CUTTING OF FLOOR JOIST FLANGES IS NOT ALLOWED.	11.	IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY, DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED LOOD SQUARE FEET.			
<u>F FRAMING</u> ROOF FRAMING SHALL BE BY PRE-MANUFACTURED ROOF TRUSSES SPACED AT 24 INCHES ON CENTER UNLESS NOTED OTHERWISE.		DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS, WHERE THE ASSEMBLY IS ENCLOSED BY A FLOOR MEMBRANE ABOVE AND A CEILING MEMBRANE BELOW, DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR-CEILING ASSEMBLIES			
THE MANUFACTURER SHALL SUPPLY TO THE ARCHITECT AND BUILDER CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL OF DESIGN LOADS, CONFIGURATION (2 OR 3 POINT BEARING), VOLUME CEILING OPTIONS, AND	12.	UNDER THE FOLLOWING CIRCUMSTANCES: CEILING IS SUSPENDED UNDER THE FLOOR FRAMING.			•
SHEAR TRANSFER, PRIOR TO FABRICATION. ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHEREIN THE PROJECT IS TO BE BUILT	13.	FLOOR FRAMING IS CONSTRUCTED OF TRUSS-TYPE OPEN-WEB OR PERFORATED MEMBERS, CRC SEC. R302.12			•
MANUFACTURER IS TO SECURE BUILDING DEPARTMENT APPROVAL OF CALCULATIONS AND SHOP DRAWINGS PRIOR TO FABRICATION. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST BUILDING CODE FOR ALL LOADS IMPOSED, INCLUDING LATERAL LOADS AND	14,	BOARD, 3/8-INCH WOOD ST MATERIALS AD EQUATELY S INSTALLED PARALLEL TO T OTHERWISE APPROVED BY INTERWEST ING OFFICIAL THE INTEGRITY OF THE DRAFTSTOPS SHALL BE MAINTAINED CRC SEC. R3 22.12.1	•	Prospec Gardens	:t S
MECHANICAL EQUIPMENT LOADS. ALL CONNECTORS SHALL BE I.C.C. APPROVED AND OF ADEQUATE STRENGTH TO RESIST ALL DESIGN LOADS.	Т	HERMAL & MOISTURE	-	TRACT NO. 2016-0)3
AN ATTIC ACCESS MINIMUM OPENING ALLOWED IS 22"X 30", PROVIDED THE	P	ROTECTION	_	KB HOME	
(CMC SEC. 304.4) ATTIC ACCESS BE PROVIDED AND LOCATED IN A CORRIDOR, HALLWAY OR OTHER READILY ACCESSIBLE LOCATION. THIRTY-INCH-MINIMUM UNOBSTRUCTED HEADROOM IN THE ATTIC SPACE SHALL BE PROVIDED AT SOME POINT ABOVE THE ACCESS MEASURED VERTICALLY FROM THE BOTTOM OF CEILING FRAMING MEMBERS (CRC	١,	PROVIDE ALL FLASHING, COUNTER-FLASHING, BITUTHENE, MEMBRANE WATERPROOFING, SHEET METAL, CAULKING, SEALANTS, ELASTOMERIC WALKING SURFACES, AND RAIN GUTTERS AND/OR DIVERTERS WHERE REQUIRED, TO MAKE WORK COMPLETELY WATERPROOF.	ORA ■	OUTHERN CALIFOR NGE COUNTY / SAN	RNIA I DIE VD
SEC. R807.I).	2.	THE TERMS "CORROSION RESISTANT" OR "NONCORROSIVE" IS THE ABILITY OF A MATERIAL TO WITHSTAND DETERIORATION OF ITS SURFACE OR ITS PROPERTIES WHEN EXPOSED TO ITS ENVIRONMENT, CRC SEC. 202 WHEN AN ELEMENT IS REQUIRED TO BE CORROSION RESISTANT OR NON-CORROSIVE,		SAN DIEGO, CA 921 949-790-9100	131
EXTERIOR WALLS OF WOOD-FRAME CONSTRUCTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF CRC SEC. R602.3 OR IN ACCORDANCE WITH AWC NDS. COMPONENTS OF EXTERIOR WALLS SHALL BE FASTENED IN ACCORDANCE WITH TABLES R602.3(1)	а	ALL OF ITS PARTS, SUCH AS SCREWS, NAILS, WIRE, DOWELS, BOLTS, NUTS, WASHERS, SHIMS, ANCHORS, TIES AND ATTACHMENTS, SHALL BE CORROSION RESISTANT.		949-790-9119	•
THROUGH R602.3(6), STRUCTURAL WALL SHEATHING SHALL BE FASTENED DIRECTLY TO STRUCTURAL FRAMING MEMBERS, EXTERIOR WALL COVERINGS SHALL BE CAPABLE OF RESISTING THE WIND PRESSURES LISTED IN TABLE R301.2(2) ADJUSTED FOR HEIGHT AND EXPOSURE USING TABLE R301.2(3), WOOD STRUCTURAL PANEL SHEATHING USED FOR EXTERIOR WALLS SHALL CONFORM TO THE REQUIREMENTS OF TABLE R602.3(3), STUD SHALL BE CONTINUOUS FROM SUPPORT AT THE SOLE	υ.	MATERIALS USED TO CONSTRUCTION OF EXTERIALS NOT PRESCRIBED HEREIN SHALL BE PERMITTED, PROVIDED THAT ANY SUCH ALTERNATIVE HAS BEEN APPROVED, WATER-RESISTIVE BARRIER WHICH IS A MINIMUM OF ONE LAYER OF NO. IS ASPHALT FELT, COMPLYING WITH ASTM D226 TYPE I FELT OR APPROVED MATERIALS, SHALL BE ATTACHED TO THE STUDS OR SHEATHING, WITH FLASHING AS DESCRIBED IN SEC. RT03.4 IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRIER	-	· · ·	•
PLATE TO A SUPPORT AT THE TOP PLATE TO RESIST LOADS PERPENDICULAR TO THE WALL. THE SUPPORT SHALL BE A FOUNDATION OR FLOOR, CEILING OR ROOF DIAPHRAGM OR SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE. (CRC SEC.	4.	BEHIND THE EXTERIOR WALL VENEER, CRC SEC, R703.1,1 EXTERIOR WALLS SHALL PROVIDE THE BUILDING WITH WEATHER-RESIS-TANT EXTERIOR WALL ENVELOPE, THE EXTERIOR WALL ENVELOPE SHALL INCLUDE ELASHING AS DESCRIPTED IN SEC PTOR 4. CRC			•
THE SIZE, HEIGHT, AND SPACING OF STUDS SHALL BE IN ACCORDANCE WITH	5.	SEC. R703.1 APPROVED CORROSION-RESISTANT FLASHING SHALL BE APPLIED	ISSU	JE DATE: 09/11	∎ 1/202
CRC TABLE R602.3(5). CRC SEC. R602.3 WHERE PIPING OR DUCTWORK IS PLACED IN OR PARTLY IN AN EXTERIOR WALL OR INTERIOR LOAD-BEARING WALL, NECESSITATING CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE BY MORE THAN 50 PERCENT OF ITS WIDTH, A GALVANIZED METAL TIE NOT LESS THAN 0.054 INCH THICK		SHIN-GLE FASHION IN A MANNER TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO BUILDING STRUCTURAL FRAMING COMPONENTS. SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY AAMA 711, THE FLASHING SHOULD EXTEND TO THE SUR-FACE OF EXTERIOR WALL FINISH, APPROVED CORROSION-RESISTANT FLASHINGS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:		SION MGR.: ISIONS: 10/05	J.C 5/202
(1.37 MM) (16 GA) AND 11/2 INCHES (38 MM) WIDE SHALL BE FASTENED ACROSS AND TO THE PLATE AT EACH SIDE OF THE OPENING WITH NOT LESS THAN EIGHT IOD (0.148 INCH DIAMETER) NAILS HAVING A MINIMUM LENGTH OF 11/2 INCHES (38 MM) AT EACH SIDE OR EQUIVALENT. THE METAL		I. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE.	• 1	10/05/2023 – V.P.B.S.	,
TIE MUST EXTEND NOT LESS THAN 6 INCHES PAST THE OPENING. CRC SEC. R602.6.1 ANY STUD MAY BE BORED OR DRILLED, PROVIDED THAT THE DIAMETER		2. AT THE INTERSECT OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.	• (Santee	
OF THE RESULTING HOLE IS NO MORE THAN 60 PERCENT OF THE STUD DEPTH, THE EDGE OF THE HOLE SHALL NOT BE LESS THAN 5/8 INCH (16 MM) FROM THE EDGE OF THE STUD, AND THE HOLE SHALL NOT BE LOCATED IN THE SAME SECTION AS A CUT OR NOTCH. WHERE THE DIAMETER OF A		 UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS. CONTINUOUSI Y ABOVE ALL PROJECTING WOOD TRIMS 	-	PLANS APPROVED BY THE CITY OF S BUILDING INSPECTION DIVISION S	SANTEE
BORED HOLE IN A STUD LOCATED IN EXTERIOR WALLS OR BEARING PARTITIONS IS OVER 40 PERCENT, SUCH STUD SHALL BE DOUBLED AND NOT MORE THAN TWO SUCCESSIVE DOUBLED STUDS SHALL BE SO BORED. CRC SEC. R602.6(1) AND R602.6(2).		 5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION. 		TO THE FOLLOWING: Plans are accepted for construction s to the requirements of the Ca Housing Law and the building laws	subject alifornia s of the
REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFICATIONS,		6. AT WALL AND ROOF INTERSECTIONS.		City of Santee, California. The stam watermarking of these plans	ping or s and
CALCULA-TIONS, AND PLANS FOR REQUIRED STRENGTH OF EXTERIOR WALLS AND INTE-RIOR BEARING WALLS OF WOOD-FRAME CONSTRUCTION.		7. AT BUILT-IN GUTTERS. CRC SEC. R703.4 (I-7)	-	specifications SHALL NOT be held to or approve the violation of any County, State, Federal Laws or	permit y City, other
IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE PROVIDED TO CUT OFF BOTH VERTICAL AND HORIZONTAL CONCEALED DRAFT OPENINGS AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND	7.	BALCONIES, LANDINGS, EXTERIOR STAIRWAYS, OCCUPIED ROOFS AND SIMILAR SURFACES EXPOSED TO THE WEATHER AND SEALED UNDER-NEATH SHALL BE AND SLOPED A MINIMUM OF 1/4 UNIT VERTICAL IN 12 UNITS HORIZONYALLY (2% SLOPE) FOR DRAINAGE.	2	restrictions. 022 California Building Standard (Approved 03/06/2024	Codes
BETWEEN A TOP STORY AND THE ROOF SPACE. FIREBLOCKING SHALL BE INSTALLED IN THE LOCATIONS SPECIFIED IN CRC SEC. R302.11 AND SHALL BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS.	8,	PROVIDE A MINIMUM 2 INCH DROP FROM FINISHED INTERIOR FLOOR ELEVATION TO THE HIGHEST FLOOR ELEVATION OF ANY ADJOINING DECK OR BALCONY.		Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved	
THE FOLLOWING LOCATIONS: CRC SEC. R302.11 IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS.	9.	ELASTOMERIC OR MEMBRANE DECK COATINGS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AT DECKS AND BALCONIES, COLOR FINISH AND DETAILING SHALL BE APPROVED BY OWNER/ BUILDER AND ARCHITECT.	•		•
AS FOLLOWS: 3,1 VERTICALLY AT THE CEILING AND FLOOR LEVELS.	10.	UNLESS DESIGNED TO DRAIN OVER DECK EDGES, DRAINS AND OVER-FLOWS ADEQUATE SIZE SHALL BE INSTALLED AT THE LOW POINTS OF THE DECK OR BALCONY	•	SED ARCHIN	X
3.2 HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.	١١,	ALL SHEET METAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE	-	ERIC R.	
AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.		RECOMMENDATIONS AND STANDARDS OF THE SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (S.M.A.C.N.A.), THE ARCHITECTURAL SHEET METAL MANUAL, AND SEALANT, WATERPROOFING AND RESTORATION INSTITUTE'S (S.W.R.I.) GUIDE - "SEALANT'S: THE PROFESSIONAL'S GUIDE".		★ KOUGH C-26497 (0) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	★)
IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN, ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.	12.	SHEET METAL SHALL BE STEEL SHEET, HOT-DIPPED, TIGHT COATED AND GALVANIZED, CONFORMING TO ASTM. A525 AND SHALL BE A NUMBER 24 SHEET METAL GAGE UNLESS OTHERWISE NOTED IN THESE NOTES, PLANS, OR MANIFACTURER'S SPECIFICATIONS	•	FOF CALIFO	,
CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM EI36 REQUIREMENTS	13.	SHEET ALUMINUM SHALL CONFORM WITH FEDERAL SPECIFICATIONS QQ-A-359 AND ASTM. B209 ALLOY 3003.	P		
FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION RIOO3.19.	14.	FLASHING FOR ASPHALT SHINGLES SHALL COMPLY WITH SEC. R905.2.8. FABRICATE SHEET METAL WITH FLAT LOCK SEAMS AND SOLDER WITH TYPE AND FLUX RECOMMENDED BY MANUFACTURER. SEAL ALUMINUM SEAMS WITH EPOXY METAL SEAM CEMENT. WHERE REQUIRED FOR STRENGTH RIVET SEAMS AND JOINTS			12
FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING UNIT SEPARATION.	15.	SHOP FABRICATE TO THE GREATEST EXTENT POSSIBLE IN ACCORDANCE WITH APPLICABLE STANDARDS TO PROVIDE A PERMANENTLY	-	· GN.	1
THEOLOGING SHALL CONSIST TWO-INCH NOMINAL LUMBER, TWO THICKNESSES OF I-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS, ONE THICKNESS OF 23/32-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 23/32-INCH WOOD STRUCTURAL PANELS ONE THICKNESS OF	16.	WATER-PROOF, WEATHER RESISTANT INSTALLATION. BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS BASE ELASHING CHALL DE	•	SPEC I EV/EI	1
3/4-INCH PARTICLEBOARD WITH JOINTS BACKED BY 3/4-INCH PARTICLEBOARD, ONE-HALF-INCH GYPSUM BOARD, ONE-QUARTER-INCH CEMENT-BASED MILLBOARD, BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A		EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL 0.019-INCH THICKNESS OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 POUNDS PER 100 SQUARE FEET, CAP FLASHING SHALL BE CORROSION-RESISTANT METAL OF MINIMUM NOMINAL 0.019-INCH		SANTEE	

THICKNESS. (CRC SEC. R905.2.8.1)

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THERMAL & MOISTURE PROTECTION (continued)

- ROOF VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS BEFORE APPLYING SHINGLES, VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED: CRCR905.2.8.2.
- FOR OPEN VALLEYS (VALLEY LINING EXPOSED) LINED WITH METAL, THE VALLEY LINING SHALL BE NOT LESS THAN 24 INCHES (610 MM) WIDE AND OF ANY OF THE CORROSION-RESISTANT METALS IN CRCTABLE R905.2.8.2.
- FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL-SURFACED ROLL ROOFING, COMPLYING WITH ASTM D3909 OR ASTM D6380 CLASS M, SHALL BE PERMITTED, THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER NOT LESS THAN 36 INCHES
- FOR CLOSED VALLEYS (VALLEY COVERED WITH SHINGLES), VALLEY LINING OF ONE PLY OF SMOOTH ROLL ROOFING COMPLYING WITH ASTM D6380 AND NOT LESS THAN 36 INCHES WIDE OR VALLEY LINING AS DESCRIBED IN ITEM I OR 2 SHALL BE PERMITTED, SELF-ADHERING POLYMER-MODIFIED BITUMEN UNDERLAYMENT COMPLYING WITH ASTM DIGTO SHALL BE PERMITTED IN LIEU OF THE LINING MATERIAL.
- FLASHING AGAINST A VERTICAL SIDEWALL SHALL BE BY THE STEP-FLASHING METHOD. THE FLASHING SHALL BE A MINIMUM OF 4 INCHES HIGH AND 4 INCHES WIDE. AT THE END OF THE VERTICAL SIDEWALL THE STEP FLASHING SHALL BE TURNED OUT IN A MANNER THAT DIRECTS AWAY FROM THE WALL AND ONTO THE ROOF AND/ OR GUTTER. (CRC SEC R905.2.8.3) FLASHING AGAINST VERTICAL FRONT WALL, AS WELL AS SOIL STACK, VENT PIPE AND CHIMNEY FLASHING, SHALL BE APPLIED ACCORDING TO THE ASPHALT SHINGLE MANUFACTURER'S PRINTED INSTRUCTIONS, (CRC SEC. R905.2.8.4) ASPHALT SHINGLES ROOF MATERIAL
- AT THE JUNCTURE OF ROOF VERTICAL SURFACES, FLASHING AND COUNTERFLASHING SHALL BE PROVIDED IN ACCORDANCE WITH THIS CHAPTER AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND, WHERE OF METAL, SHALL BE NOT LESS THAN 0.019 INCH (0.5 MM) (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL, THE VALLEY FLASHING SHALL EXTEND NOT LESS THAN II INCHES (279 MM) FROM THE CENTER-LINE EACH WAY AND HAVE A SPLASH DIVERTER RIB NOT LESS THAN I INCH (25 MM) IN HEIGHT AT THE FLOW LINE FORMED AS PART OF THE FLASHING, SEC.S OF FLASHING SHALL HAVE AN END LAP OF NOT LESS THAN 4 INCHES (102 MM), FOR ROOF SLOPES OF 3 UNITS VERTICAL IN 12 UNITS HORIZONTAL (25-PERCENT SLOPE) AND GREATER, VALLEY FLASHING SHALL HAVE A 36-INCH-WIDE (914 MM) UNDERLAYMENT OF ONE LAYER OF TYPE I UNDERLAYMENT RUNNING THE FULL LENGTH OF THE VALLEY, IN ADDITION TO OTHER REQUIRED UNDERLAYMENT. IN AREAS WHERE THE AVERAGE DAILY TEMPERATURE IN JANUARY IS 25°F (-4°C) OR LESS, METAL VALLEY FLASHING UNDERLAYMENT SHALL BE SOLID-CEMENTED TO THE ROOFING UNDERLAYMENT FOR SLOPES LESS THAN 7 UNITS VERTICAL IN 12 UNITS HORIZONTAL (58-PERCENT SLOPE) OR BE OF SELF-ADHERING POLYMER-MODIFIED BITUMEN SHEET.

ROOFING MATERIALS

- ROOFING MATERIAL SHALL BE CLASS "A" UNLESS OTHERWISE APPROVED BY OWNER/BUILDER.
- THE QUALITY AND DESIGN OF ROOFING MATERIALS AND THEIR FASTENINGS SHALL CONFORM TO THE APPLICABLE STANDARDS LISTED IN CRC SEC. R905.3 (FOR CLAY & CONCRETE TILE)
- CLAY OR CONCRETE TILE SHALL COMPLY WITH CRC STANDARD R905,3,4 ASTM CII67 AND R905,3,5 ASTM CI492, ALL MATERIAL SHALL BE DELIVERED IN PACKAGES BEARING THE MANUFACTURER'S LABEL OR IDENTIFYING MARK, CRC SEC, R904,4
- COMPOSITION ROOFING SHINGLES SHALL BE OF ASPHALT OR APPROVED RELATED MATERIALS AND MEET THE REQUIREMENTS OF CRC SEC. R905.2
- ASPHALT SHALL BE DELIVERED IN CARTONS INDICATING THE NAME OF THE MANUFACTURER, THE FLASH POINT AND TYPE OF PRODUCT. BULK SHIPMENTS SHALL BE ACCOMPANIED WITH THE SAME INFORMATION ISSUED 2. IN THE FORM OF A CERTIFICATION OR ON THE BILL OF LADING BY THE MANUFACTURER, CRC SEC. R904,4
- ASPHALT SHINGLES SHALL BE FASTENED ACCORDING TO THE MANUFAC-TURER'S INSTRUCTIONS, CRC SEC. R905.2.6
- CLAY OR CONCRETE ROOF TILES SHALL BE INSTALLED OVER A MINIMUM OF ONE LAYER OF #40 POUND BUILDING PAPER UNDERLAYMENT, BUILDING PAPER SHALL CONFORM TO CRC SEC. R905.3.3.
- TYPE, COLOR, AND PROFILE OF ALL ROOFING TILES SHALL BE APPROVED BY OWNER/BUILDER AND ARCHITECT, з.
- BUILT-UP ROOFING PLY MATERIALS SHALL BEAR THE LABEL OF AN APPROVED AGENCY HAVING A SERVICE FOR THE INSPECTION OF MATERIAL AND FINISHED PRODUCTS DURING MANUFACTURE, CRC SEC.
- BUILT-UP ROOFING SHALL BE INSTALLED ACCORDING TO CRC SEC. R905,9 AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CRC SEC. R905.9.3
- FOR CONCRETE ROOF TILE COVERINGS WITH SLOPES FROM (2:12) UP TO (4:12), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SEC. R905.3.3, CRC SEC. R905.3.2
- EXTERIOR WALL COVERINGS
- SEE FINISHES IN THESE GENERAL NOTES FOR EXTERIOR PLASTER.
- ALL EXTERIOR MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION THE CALIFORNIA BUILDING CODE AND ALL STATE AND LOCAL CODES.
- WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED PER CRC SEC. RTO3.2 AND, WHEN APPLIED OVER WOOD BASE SHEATHING, SHALL INCLUDE TWO LAYERS OF 60 MINUTE GRADE 'D' PAPER. (CRC SEC. R703.7.3)
- FIBER-CEMENT PANELS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM CIIB6, TYPE A, MINIMUM GRADE II OR ISO 8336, CATEGORY A, MINIMUM CLASS 2. PANELS SHALL BE INSTALLED WITH THE LONG DIMENSION EITHER PARALLEL OR PERPENDICULAR TO FRAMING. VERTICAL AND HORIZONTAL JOINTS SHALL OCCUR OVER FRAMING MEMBERS AND SHALL BE PROTECTED WITH CAULKING, OR WITH BATTENS OR FLASHING, OR BE VERTICAL OR HORIZONTAL SHIPLAP, OR OTHERWISE DESIGNED TO COMPLY WITH SECTION R703.1. PANEL SIDING SHALL BE INSTALLED WITH FASTENERS IN ACCORDANCE WITH TABLE RT03,3(1) OR THE APPROVED MANUFACTURER'S INSTRUCTIONS. CRC SEC. RTO3.10.1
- FIBER-CEMENT LAP SIDING HAVING A MAXIMUM WIDTH OF 12 INCHES (305 MM) SHALL COMPLY WITH THE REQUIREMENTS OF ASTM CII86, TYPE A MINIMUM GRADE II OR ISO 8336, CATEGORY A, MINIMUM CLASS 2. LAF SIDING SHALL BE LAPPED A MINIMUM OF 11/4 INCHES (32 MM) AND LAP SIDING NOT HAVING TONGUE-AND-GROOVE END JOINTS SHALL HAVE THE ENDS PROTECTED WITH CAULKING, COVERED WITH AN H-SECTION JOINT COVER, LOCATED OVER A STRIP OF FLASHING, OR SHALL BE DESIGNED TO COMPLY WITH SECTION RTO3.1, LAP SIDING COURSES SHALL BE INSTALLED WITH THE FASTENER HEADS EXPOSED OR CONCEALED, IN ACCORDANCE WITH TABLE RT03.3(1) OR APPROVED MANUFACTURER'S INSTRUCTIONS, CRC SEC. R703,10.2

THERMAL & MOISTURE PROTECTION (continued)

<u>NSULATION</u>

- INSULATING MATERIALS INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALL ASSEMBLIES, CRAWL SPACES AND ATTICS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION, THEY SHALL EXHIBIT A FLAME SPREAD INDEX NOT TO EXCEED 25 AND A SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 WHERE TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723. INSULATING MATERIALS, WHERE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION, SHALL NCLUDE FACINGS, WHERE USED, SUCH AS VAPOR RETARDERS, VAPOR PERMEABLE MEMBRANES AND SIMILAR COVERINGS.
- EXCEPTIONS WHERE SUCH MATERIALS ARE INSTALLED IN CONCEALED SPACES, THE FLAME SPREAD INDEX AND SMOKE-DEVELOPED INDEX LIMITATIONS DO NOT APPLY TO THE FACINGS, PROVIDED THAT THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH.
- CELLULOSE FIBER LOOSE-FILL INSULATION THAT IS NOT SPRAY APPLIED AND THAT COMPLIES WITH THE REQUIREMENTS OF SECTION R302.10.3 SHALL NOT BE REQUIRED TO MEET THE FLAME SPREAD INDEX REQUIREMENTS BUT SHALL BE REQUIRED TO MEET A ACCORDANCE WITH CAN/ULC SIO2.2.
- FOAM PLASTIC INSULATION SHALL COMPLY WITH SECTION R316.
- REQUIREMENTS OF THE CURRENT CALIFORNIA MECHANICAL CODE.
- NONRIGID MATERIALS SHALL BE PERMITTED FOR COMPLIANCE WITH THE 10-FOOT (3048 MM) HORIZONTAL FIREBLOCKING IN WALLS CONSTRUCTED USING PARALLEL ROWS OF STUDS OR STAGGERED STUDS. CRC SEC. R302.11.1.1
- FOR PROJECTS WITHIN CALIFORNIA THE ENERGY EFFICIENCY REQUIREMENTS INCLUDING BUT NOT LIMITED TO INSULATION "R" VALUES. PERCENTAGE OF GLAZING, GLAZING "U" VALUES, ETC. SHALL BE DETERMINED BY THE CALIFORNIA ENERGY CODE, A PART OF TITLE 24, AND LOCATED IN THE PLANS ON THE ENERGY COMPLIANCE SHEET(S) (CFI-R). ENERGY CALCULATIONS PREPARED IN ACCORDANCE WITH STATE CODES ARE ALSO REQUIRED AS PART OF THE BUILDING DEPARTMENT SUBMITTAL
- MUST PROVIDE A CERTIFICATE OF INSULATION AND POST IT IN A CONSPICUOUS LOCATION PER CALIFORNIA STATE ENERGY CODE.
- THE ENERGY REQUIREMENTS FOR PROJECTS OUTSIDE OF CALIFORNIA SHALL BE BASED ON THE MODEL ENERGY CODE OR INTERNATIONAL ENERGY CONSERVATION CODE, REFER TO LOCAL JURISDICTION.
- THE FOLLOWING OPENINGS IN THE BUILDING ENVELOPE MUST BE CAULKED, SEALED OR WEATHER-STRIPPED TO PROTECT AGAINST COLD AIR INFILTRATION OR HEAT LOSS:

EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALL PANELS, WALL SOLE PLATES AND FLOORS;

AND INTERIOR WALLS, CEILINGS AND FLOORS; OPENINGS FOR PLUMBING. ELECTRICAL AND GAS LINES IN EXTERIOR OPENINGS IN THE ATTIC FLOOR (SUCH AS WHERE CEILING PANELS MEET INTERIOR AND EXTERIOR WALLS; ALL OTHER SUCH OPENINGS IN THE BUILDING ENVELOPE.

DOORS & WINDOWS

- AND WINDOWS AND FOR ANY DIVIDED LITE PATTERNS, COLORS SHALL SHALL BE APPROVED BY THE OWNER/BUILDER AND ARCHITECT.
- EGRESS DOORS: NOT LESS THAN ONE EGRESS DOOR SHALL BE PROVIDED FOR EACH DWELLING UNIT, THE EGRESS DOOR SHALL BE SIDE-HINGED, AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES (1.57 RAD), THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP, OTHER DOORS SHALL NOT BE REQUIRED TO COMPLY WITH THESE MINIMUM DIMENSIONS. EGRESS DOORS SHALL BE READILY OPENABLE FROM INSIDE THE DWELLING WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR
- EFFORT, CRC SEC, R311,2 NO DOUBLE FRENCH DOORS SHALL BE USED UNLESS THERE IS A SUFFICIENT OVERHANG OR COVERED PATIO COVERING THESE DOORS. NO
- THE DOOR FROM THE GARAGE TO THE HOUSE SHALL BE A SELF-CLOSING, AND SELF-LATCHING SOLID-WOOD DOOR | 3/8 INCHES IN THICKNESS. CRC SEC. R302.5.1
- PROVIDE SECURITY HARDWARE FOR ALL DOORS AND WINDOWS IN CONFORMANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS.
- EVERY EXTENSION GARAGE DOOR SPRING SOLD OR OFFERED FOR SALE, WHETHER NEW OR SOLD AS A REPLACEMENT, OR INSTALLED IN ANY GARAGE OR CARPORT WHICH IS ACCESSORY TO A DWELLING COVERED BY THIS CODE. SHALL CONFORM TO THE REQUIREMENTS FOR GARAGE DOOR SPRINGS LOCATED IN SECTION 1210 OF THE CALIFORNIA BUILDING CODE, CRC SEC, R309,7
- AUTOMATIC GARAGE DOOR OPENERS, IF PROVIDED, SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 325, SEE HEALTH AND SAFETY CODE SECTIONS 19890, 19891 AND 19892 FOR ADDITIONAL PROVISIONS FOR RESIDENTIAL GARAGE DOOR OPENERS, CRC SEC. R309.7
- ALL SLIDING OR SWINGING DOORS AND WINDOWS OPENING TO THE EXTERIOR OR TO UNCONDITIONED AREAS SHALL BE FULLY WEATHER-STRIPPED, GASKETED, OR OTHERWISE TREATED TO LIMIT AIR INFILTRATION.
- ALL MANUFACTURED WINDOWS AND SLIDING GLASS DOORS SHALL MEET THE AIR INFILTRATION STANDARDS OF THE CURRENT AMERICAN NATIONAL STANDARDS INSTITUTE ASTM. E283-73 WITH A PRESSURE DIFFERENTIAL OF 1.57 POUNDS PER SQUARE FOOT AND SHALL BE CERTIFIED AND LABELED,
- 10. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 SQUARE FEET. THE MINIMUM NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 24 INCHES, THE MINIMUM NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20 INCHES, THE NET CLEAR OPENING DIMENSIONS SHALL BE THE RESULT OF NORMAL OPERATION OF THE OPENING, EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT GREATER THAN 44 INCHES MEASURED FROM THE FLOOR .. CRC SEC. R310.2.1 THROUGH R310.2.4
- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE MAINTAINED FREE OF ANY OBSTRUCTIONS OTHER THAN THOSE ALLOWED BY THIS SECTION AND SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE. WINDOW OPENING CONTROL DEVICES AND FALL PREVENTION DEVICES COMPLYING WITH ASTM F2090 SHALL BE PERMITTED FOR USE ON WINDOWS SERVING AS A REQUIRED EMERGENCY ESCAPE AND RESCUE OPENING AND SHALL BE NOT MORE THAN TO INCHES ABOVE THE FINISHED FLOOR, THE RELEASE MECHANISM SHALL BE MAINTAINED OPERABLE AT ALL TIMES.

SUCH BARS, GRILLS, GRATES OR ANY SIMILAR DEVICES SHALL BE EQUIPPED WITH AN APPROVED EXTERIOR RELEASE DEVICE FOR USE BY THE FIRE DEPARTMENT ONLY WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

WHERE SECURITY BARS (BURGLAR BARS) ARE INSTALLED ON EMERGENCY EGRESS AND RESCUE WINDOWS OR DOORS, ON OR AFTER JULY 1, 2000, SUCH DEVICES SHALL COMPLY WITH CALIFORNIA BUILDING STANDARDS CODE, PART 12, CHAPTER 12-3 AND OTHER APPLICABLE PROVISIONS OF

SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 WHERE TESTED IN

DUCT INSULATION AND INSULATION IN PLENUMS SHALL CONFORM TO THE

BATTS OR BLANKETS OF MINERAL OR GLASS FIBER OR OTHER APPROVED

FOR PROJECTS WITHIN CALIFORNIA BUILDER AND INSULATION INSTALLER

SEE FLOOR PLANS AND ELEVATIONS FOR SIZES AND TYPES OF DOORS

DOUBLE MOOD FRENCH DOORS SHALL BE USED IN ANY CASE.

General Notes (cont.) **DOORS & WINDOWS**

(continued)

- 12. HABITABLE ROOMS SHALL HAVE AN AGGREGATE GLAZING AREA OF NOT LESS THAN & PERCENT OF THE FLOOR AREA OF SUCH ROOMS. NATURAL VENTILATION SHALL BE THROUGH WINDOWS, SKYLIGHTS, DOORS, LOUVERS OR OTHER APPROVED OPENINGS TO THE OUTDOOR AIR. SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS OR SHALL OTHERWISE BE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS, THE OPENABLE AREA TO THE OUTDOORS SHALL BE NOT LESS THAN 4 PERCENT OF THE FLOOR AREA BEING VENTILATED, CRC SEC. R303.1
- FOR HABITABLE ROOMS OTHER THAN KITCHENS, THE GLAZED AREAS NEED NOT BE OPENABLE WHERE THE OPENING IS NOT REQUIRED BY CRC SEC. R310 AND A WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM OR A MECHANICAL VENTILATION SYSTEM CAPABLE OF PRODUCING 0.35 AIR CHANGES PER HOUR IN THE HABITABLE ROOMS IS INSTALLED IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODE.
- FOR KITCHENS, THE GLAZED AREAS NEED NOT BE OPENABLE WHERE - 2. THE OPENING IS NOT REQUIRED BY SECTION ROLD AND A LOCAL EXHAUST SYSTEM IS INSTALLED IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODE.
- THE GLAZED AREAS NEED NOT BE INSTALLED IN ROOMS WHERE EXCEPTION I IS SATISFIED AND ARTIFICIAL LIGHT IS PROVIDED THAT IS CAPABLE OF PRODUCING AN AVERAGE ILLUMINATION OF 6 FOOTCANDLES (65 LUX) OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL.
- USE OF SUNROOM AND PATIO COVERS, AS DEFINED IN SECTION R202, SHALL BE PERMITTED FOR NATURAL VENTILATION IF IN EXCESS OF 40 PERCENT OF THE EXTERIOR SUNROOM WALLS ARE OPEN, OR ARE ENCLOSED ONLY BY INSECT SCREENING
- THE WINDOWS, DOORS, LOUVERS AND OTHER APPROVED CLOSEABLE OPENINGS NOT REQUIRED BY SECTION ROLD MAY OPEN INTO A PASSIVE SOLAR ENERGY COLLECTOR FOR VENTILATION REQUIRED BY THIS SECTION. THE AREA OF VENTILATION OPENINGS TO THE OUTSIDE OF THE PASSIVE SOLAR ENERGY COLLECTOR SHALL BE INCREASED TO COMPENSATE FOR THE OPENINGS REQUIRED BY THE INTERIOR SPACE.
- GLAZED OPENINGS MAY OPEN INTO A PASSIVE SOLAR ENERGY COLLECTOR PROVIDED THE AREA OF EXTERIOR GLAZED OPENING(S) INTO THE PASSIVE SOLAR ENERGY COLLECTOR IS INCREASED TO COMPENSATE FOR THE AREA REQUIRED BY THE INTERIOR SPACE.

GLAZING & SAFETY GLAZING

- GLAZING SUBJECT TO HUMAN IMPACT SHALL COMPLY WITH CRC SEC. R308.
- 2. EXCEPT AS INDICATED IN CRC SEC. R308.1.1 EACH PANE OF GLAZING NSTALLED IN HAZARDOUS LOCATIONS AS DEFINED IN CRC SEC. R308,4 SHALL BE PROVIDED WITH A MANUFACTURER'S DESIGNATION SPECIFYING WHO APPLIED THE DESIGNATION, DESIGNATING THE TYPE OF GLASS AND THE SAFETY GLAZING STANDARD WITH WHICH IT COMPLIES, WHICH IS VISIBLE IN THE FINAL INSTALLATION. THE DESIGNATION TYPE SHALL BE OF A TYPE WHICH ONCE APPLIED CANNOT BE REMOVED WITHOUT BEING DESTROYED, A LABEL SHALL BE PERMITTED IN LIEU OF MANUFACTURER'S DESIGNATION, CRC SEC, R308
- GLAZING INSTALLED IN FIRE DOORS OR WINDOW ASSEMBLIES IN AREAS SUBJECT TO HUMAN IMPACT IN HAZARDOUS LOCATIONS INCLUDING GLASS MIRRORS AS INDICATED AND DEFINED IN CRC SEC. R308.4. ALL GLAZING SHALL PASS REQUIREMENTS OF SEC. R308.3.1 IN ACCORADANCE WITH CPSC 16 CFR 1201 AND TEST CRITERIA CATEGORY I OR II AS INDICATED IN TABLE R308.3.1(1)
- 4. THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:
- ING IN FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BI-FOLD DOORS EXCEPT JALOUSIES PER CRC SEC, R308.3 EXC. I.
- GLAZING IN FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24-INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE. CRC SEC. 308.4.2
- GLAZING IN FIXED OR OPERABLE PANEL THAT MEETS ALL THE З. FOLLOWING CONDITIONS: CRC SEC, 308,4,3
- EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET.
- 2. EXPOSED BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR
- 3. EXPOSED TOP EDGE GREATER THAN 36 INCHES ABOVE THE THE
- FLOOR
- 4. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF GLAZING.
- GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER 6 PANELS AND NONSTRUCTURAL IN-FILL PANELS, REGARD-LESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE. CRC SEC. R308.4.4
- GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES (1524 MM) MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE, CRC SEC. R308.4.5
- GLAZING ADJACENT TO STAIRWAYS AND RAMPS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36 INCHES (914 MM) ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS AND RAMPS. CRC SEC. R308.4.6
- GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A 7. STAIRWAY WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60 INCH HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING, CRC SEC, R308,4,7
- GLAZING IN ALL UNFRAMED SWINGING DOORS.
- GLAZING IN STORM DOORS.
- GLAZING IN WARDROBE DOORS SHALL MEET THE IMPACT TEST REQUIREMENTS FOR SAFETY GLAZING AS SET FORTH IN C.B.C. TABLES R308.3.I(I) AND R308.3.I(2) PLASTIC GLAZING SHALL MEET THE WEATHERING REQUIREMENTS OF ANSI 297.1
- MIRRORS SHALL BE A MINIMUM OF 3/16 INCH POLISHED PLATE GLASS.
- FLOAT, WIRED AND PATTERNED GLASS IN LOUVERED WINDOWS AND JALOUSIES SHALL BE NO THINNER THAN NOMINAL 3/16 INCH AND NO LONGER THAN 48 INCHES. EXPOSED GLASS EDGES SHALL BE SMOOTH (CRC SEC. R308.2)
- GLAZING SUPPORT AND FRAMING SHALL COMPLY WITH C.B.C. SEC.S 2403.2 8. AND 2403,3,
- HINGED SHOWER DOORS SHALL OPEN OUTWARD. IO. GLAZING SHALL BE IN ACCORDANCE WITH ENERGY COMPLIANCE CALCULATIONS, CALIFORNIA ENERGY CODE (TITLE 24)

FINISHES

<u>GYPSUM BOARD</u>

- GYPSUM WALLBOARD SHALL BE INSTALLED IN CONFORMANCE WITH THE CURRENT EDITION OF THE INTERNATIONAL BUILDING CODE AND ALL STATE AND LOCAL BUILDING CODES. THE MOST STRINGENT REQUIREMENTS SHALL GOVERN
- GYPSUM WALLBOARD SHALL NOT BE INSTALLED UNTIL WEATHER PROTECTION FOR THE INSTALLATION IS PROVIDED. CRC SEC. RTOI.2 ALL EDGES AND ENDS OF GYPSUM WALLBOARD SHALL OCCUR ON THE
- FRAMING MEMBERS, EXCEPT THOSE EDGES AND ENDS THAT ARE PERPENDICULAR TO THE FRAMING MEMBERS. CRC SEC. RT02.3.5 ALL EDGES AND ENDS OF GYPSUM WALLBOARD SHALL BE IN MODERATE
- CONTACT EXCEPT IN CONCEALED SPACES WHERE FIRE-RESISTIVE CONSTRUCTION OR DIAPHRAGM ACTION IS REQUIRED. CRC SEC. R702.3.5
- FASTENERS SHALL NOT BE SPACED LESS THAN 3/8 INCH FROM EDGES AND ENDS OF GYPSUM WALLBOARD IN A HORIZONTAL DIAPHRAGM. CRC TABLE R702,3.5.
- FASTENERS AT THE TOP AND BOTTOM PLATES OF VERTICAL ASSEMBLIES, OR THE EDGES AND ENDS OF HORIZONTAL ASSEMBLIES PERPENDICULAR TO SUPPORTS, AND AT THE WALL LINE MAY BE OMITTED EXCEPT ON SHEAR-RESISTING ELEMENTS OR FIRE-RESISTIVE ASSEMBLIES. CRC SEC. R702.3.5.1
- FASTENERS SHALL BE APPLIED IN SUCH A MANNER AS NOT TO FRACTURE THE FACE PAPER WITH THE FASTENER HEAD, CRC SEC, R702,3,5,1
- WHERE TWO LAYERS OF GYPSUM WALLBOARD ARE REQUIRED, THE BASE LAYER OF GYPSUM WALLBOARD SHALL BE APPLIED WITH FASTENERS OF THE TYPE AND SIZE AS REQUIRED FOR THE NON-ADHESIVE APPLICATION OF SINGLE-PLY GYPSUM WALLBOARD.
- FIBER-CEMENT, FIBER-MAT REINFORCED CEMENT, GLASS MAT GYPSUM BACKERS OR FIBER-REINFORCED GYPSUM BACKERS IN COMPLIANCE WITH ASTM CI288, CI325, CI178 OR CI278, RESPECTIVELY, AND IN- STALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS SHALL BE USED AS BACKERS FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL PANELS IN SHOWER AREAS, CRC SEC. RT02.4.2
- GYPSUM BOARD USED AS THE BASE OR BACKER FOR ADHESIVE APPLICATION OF CERAMIC TILE OR OTHER REQUIRED NONABSORBENT FINISH MATERIAL SHALL CONFORM TO ASTM CI178, C1278 OR C1396. USE OF WATER-RESISTANT GYPSUM BACKING BOARD SHALL BE PERMITTED ON CEILINGS, WATER-RESISTANT GYPSUM BOARD SHALL NOT BE INSTALLED OVER A CLASS I OR II VAPOR RETARDER IN A SHOWER OR TUB COMPARTMENT, CUT OR EXPOSED EDGES, INCLUDING THOSE AT WALL INTERSECTIONS, SHALL BE SEALED AS RECOMMENDED BY THE MANUFACTURER, CRC SEC, R702,3,7
- WATER-RESISTANT GYPSUM WALLBOARD SHALL NOT BE USED IN THE FOLLOWING LOCATIONS: WHERE THERE WILL BE DIRECT EXPOSURE TO WATER, OR IN AREAS
- SUBJECT TO CONTINUOUS HIGH HUMIDITY.

CRC SEC. R702.3.7.1

- FIRE SEPARATION PRIVATE GARAGE SHALL BE SEPARATED FROM THE DWELLING UNIT AND ITS ATTIC AREA BY MEANS OF A MINIMUM 1/2-INCH GYPSUM BOARD APPLIED TO THE GARAGE SIDE, CRC SEC, R302.6 AND TABLE R302.6
- PROVIDE ONE LAYER OF 5/8 INCH TYPE 'X' GYPSUM WALLBOARD AT GARAGE CEILING SIDE BENEATH ALL HABITABLE ROOMS AND STRUCTURAL SUPPORTING FRAMING MEMBERS, CRC SEC, R302.6 AND TABLE R302.6
- PROVIDE ONE LAYER OF 1/2 INCH GYPSUM WALLBOARD AT ALL WALLS, AND SOFFITS OF ENCLOSED ACCESSIBLE SPACE UNDER STAIRS. CRC SEC, R302,7

EXTERIOR LATH

BACKING OR A LATH SHALL PROVIDE SUFFICIENT RIGIDITY TO PERMIT PLASTER APPLICATION.

- ALL LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION-RESISTANT MATERIALS. EXPANDED METAL OR WOVEN WIRE LATH SHALL BE ATTACHED WITH I 1/2-INCH LONG, II GAGE NAILS HAVING A 7/16-INCH HEAD, OR 7/8-INCH LONG, 16 GAGE STAPLES, SPACED NO MORE THAN 7 INCHES OR AS OTHERWISE, CRC SEC. RTO3.7.1
- GYPSUM LATH OR GYPSUM BOARD SHALL NOT BE USED AS BACKING EXCEPT THAT ON HORIZONTAL SUPPORTS OF CEILINGS OR ROOF SOFFITS IT MAY BE USED AS BACKING FOR METAL LATH OR WIRE FABRIC LATH AND CEMENT PLASTER.
- METAL LATH OR WIRE FABRIC LATH SHALL BE APPLIED WITH THE LONG DIMENSION OF THE SHEETS PERPENDICULAR TO SUPPORTS. 5. WHERE END LAPS OF SHEETS DO NOT OCCUR OVER SUPPORTS, THEY
- SHALL BE SECURELY TIED TOGETHER WITH NOT LESS THAN 0.049-INCH (NO. 18 B.M. GAGE) WIRE. CORNERITE SHALL BE INSTALLED IN ALL INTERNAL CORNERS TO RETAIN
- POSITION DURING PLASTERING. CORNERITE MAY BE OMITTED WHEN LATH IS CONTINUOUS OR WHEN PLASTER IS NOT CONTINUOUS FROM ONE PLANE TO AN ADJACENT PLANE.
- THE APPLICATION OF METAL LATH OR WIRE FABRIC LATH SHALL BE AS SPECIFIED IN CRC SEC, RT03,7,1 WHERE NO EXTERNAL CORNER REINFORCEMENT IS USED, LATH SHALL BE
- FURRED OUT AND CARRIED AROUND CORNERS AT LEAST ONE SUPPORT ON 14. FRAME CONSTRUCTION.
- A MINIMUM O.OI9-INCH (0.5 MM) (NO. 26 GALVANIZED SHEET GAGE), CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 31/2 INCHES (89 MM), SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS IN ACCORDANCE WITH ASTM C926. THE WEEP SCREED SHALL BE PLACED NOT LESS THAN 4 INCHES (102 MM) ABOVE THE EARTH OR 2 INCHES (51 MM) ABOVE PAVED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING, THE WEATHER-RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE WEEP SCREED, CRC SEC, R103,1,2,1

EXTERIOR PLASTER

- PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY, CONCRETE OR GYPSUM BACKING AS SPECIFIED. CRC SEC. R103.1.2
- ON WOOD-FRAME OR STEEL STUD CONSTRUCTION WITH AN ON-GRADE CONCRETE FLOOR SLAB SYSTEM, EXTERIOR PLASTER SHALL BE APPLIED IN SUCH A MANNER AS TO COVER, BUT NOT EXTEND BELOW, LATH AND PAPER THE APPLICATION OF LATH, PAPER AND FLASHING OR DRIP SCREEDS SHALL COMPLY WITH ASTM C926 AND ASTM C1063. CRC SEC. RTO3.T
- ONLY APPROVED PLASTICITY AGENTS AND APPROVED AMOUNTS THEREOF MAY BE ADDED TO PORTLAND CEMENT, WHEN PLASTIC CEMENT OR MASONRY CEMENT IS USED, NO ADDITIONAL LIME OR PLASTICIZERS SHALL BE ADDED. HYDRATED LIME OR THE EQUIVALENT AMOUNT OF LIME PUTTY USED AS A PLASTICIZER IS PERMITTED TO BE ADDED TO CEMENT PLASTER OR CEMENT AND LIME PLASTER IN AN AMOUNT NOT TO EXCEED
- 4. GYPSUM PLASTER SHALL NOT BE USED ON EXTERIOR SURFACES. THE PROPORTION OF AGGREGATE TO CEMENTITIOUS MATERIALS FOR BASE
- COATS OF EXTERIOR PLASTER SHALL BE AS SET FORTH IN ASTM C926 AND CRC SEC. RTO2.1 TABLE RTO2.1(3).

	2022 CRC	-		-		-
FI	NISHES					•
(C	ontinued)					•
6.	CEMENT PLASTER MATERIALS SHALL CONFORM TO ASTM C 9I, (TYPE M, S OR N), C 150 (TYPE I, II AND III), C 595 (TYPE IP, I (PM), IS AND I (SM), C 847, C 897, C 926, C 933, C 1032, C 1047 AND C 1328, AND SHALL BE INSTALLED OR APPLIED IN CONFORMANCE WITH ASTM C 1063. PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH AND NOT LESS THAN TWO COATS WHEN APPLIED OVER OTHER BASES PERMITTED BY THIS SEC., EXCEPT THAT VENEER PLASTER MAY BE APPLIED IN ONE COAT NOT TO EXCEED 3/16 INCH THICKNESS, PROVIDED THE TOTAL THICKNESS IS IN ACCORDANCE WITH TABLE RT02.1(1). CRC SEC. RT02.2.2	•				ghts reserved.
٦.	APPLICATIONS INSTALLED IN ACCORDANCE WITH ASTM C 926, EACH COAT SHALL BE KEPT MOIST CONDITION FOR AT LEAST 24 HOURS PRIOR TO APPLICATION OF THE NEXT COAT, C.RC, SEC, RT02,2,2,1	-	• •	•	•	∎ oration, all ri
8.	THE FINISH COAT FOR TWO-COAT CEMENT PLASTER SHALL NOT BE APPLIED SOONER THAN 48 HOURS AFTER APPLICATION OF THE FIRST COAT. FOR THREE-COAT CEMENT PLASTER, THE SECOND COAT SHALL NOT BE APPLIED SOONER THAN 24 HOURS AFTER APPLICATION OF THE FIRST COAT. THE FINISH COAT FOR THREE-COAT CEMENT PLASTER SHALL NOT BE APPLIED SOONER THAN 48 HOURS AFTER APPLICATION OF THE SECOND COAT, CRC SEC, R702.2.2.2	•	· ·	•	•	 KB Home Corpo
9. 10.	COLOR AND FINISH TO BE & AND APPROVED BY OWNER/ BUILDER AND ARCHITECT. A ONE-COAT EXTERIOR PLAINTERWEST STEM "OMEGA DIAMOND WALL" AND	•	Pro	ospe	ct	Copyright 202
П	DIAMOND WALL INSULATING A THERE IS STUCCO SYSTEM CORR-0467 OR APPROVED OR EQUAL (1) 31 / SEP VICED OF THE 3-COAT EXTERIOR PLASTER SYSTEM.		TRACT	T NO. 201	IS 6-03	 orporation.
12.	SYSTEM SHALL CONFORM TO THE REQUIREMENTS ORC CHAPTER 7 THE EXTERIOR OF THE BUILDING SHALL BE SEPARATED FROM THE FOAM PLASTIC INSULATION BY AN APPROVED THERMAL BARRIER, WATER-RESISTIVE BARRIER SHALL COMPLY WITH RT03.2 ASTM E 2570 (CRC RT03.9.2(4)) INSTALLATION OF WATER RESISTIVE BARRIER SHALL BE APPLIED BETWEEN THE EIFS AND THE WALL SHEATHING, (CRC RT03.9.2(5))	• OF	K SOUTHEI RANGE CO	B HOME RN CALIF UNTY / S	ORNIA AN DIEGC	 Inission of KB Home C.
M	ECHANICAL & PLUMBING		9915 MIF SAN DIE	RA MESA EGO, CA §	BLVD. 92131	■ press pern
<u>MEC</u> I.	HANICAL ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CON-FORMANCE WITH THE 2022 EDITION OF THE CALIFORNIA MECHANICAL	-	949 949)-790-910()-790-911§ ∎) ∂ ■	■ ithout the ex
2.	ALL EQUIPMENT INSTALLED IN THIS PROJECT SHALL BE IN COMPLIANCE WITH THE STANDARDS LISTED IN THE CALIFORNIA MECHANICAL CODE.			· -		■ plicated w
З.	CONTRACTOR SHALL DESIGN ENTIRE H.V.A.C. SYSTEM AND SUBMIT DRAWINGS FOR OWNER/BUILER'S APPROVAL PRIOR TO ORDERING MATERIALS OR EQUIPMENT.	-		•		■ used or du
4.	WHERE AIR CONDITIONING IS AN OPTIONAL FEATURE, HEATING SYSTEMS MUST BE DESIGNED AND DUCT WORK SIZED TO ACCOMMODATE FUTURE AIR CONDITIONING NEEDS.	•		•	•	■ may not be
5.	ANCHORAGE OF APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, SUPPORT FOR APPLIANCES SHALL BE DESIGNED AND CONSTRUCTED TO SUSTAIN VERTICAL AND HORIZONTAL LOADS WITHIN THE STRESS LIMITATIONS SPECIFIED IN THE BUILDING CODE, C.M.C. SEC, 303,4	IS PF	SUE DATE ROJECT No	• 09. 5.:	∎ /11/2023 405999	Corporation. They r
6. 7.	COMBUSTION AIR SHALL BE PROVIDED FOR FORCED AIR UNITS IN ACCORDANCE WITH CHAPTER 7 OF THE CALIFORNIA MECHANICAL CODE. ALL DUCTWORK SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 6	DI RE	VISION MO EVISIONS:	GR.: 10	J.C. /05/2023	■ f KB Home
8.	OF THE CALIFORNIA MECHANICAL CODE. CONTRACTOR TO PROVIDE BOOT IN DUCTWORK WHEN OPTIONAL "HONEYWELL" OR "CARRIER" ELECTRONIC AIR CLEANER IS PROVIDED		PLAN CH	ECK COMM 023 – V.P.E	ENTS 3.S.	■ mission of
۹.	DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING UNIT FROM THE GARAGE SHALL BE CONSTRUCTED OF A MINIMUM NO, 26 GAGE SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE GARAGE. C.R.C. SEC. R302.5.2	-	S	DO MORE > DUE EAS	,	 the express perr
10.	AIR CONDENSING UNITS SHALL BEAR A PERMANENT AND LEGIBLE FACTORY-APPLIED NAMEPLATE WHICH APPEAR: NAME OF MANUFACTURER, CATALOG MODEL NOMENCLATURE, ELECTRICAL RATINGS, OUTPUT RATINGS, SYMBOL OF APPROVED AGENCY AND A CLEAR COMPLETE INSTALLATION INSTRUCTIONS, INCLUDING REQUIRED CLEARANCES FROM COMBUSTIBLE OTHER THAN MOUNTING OR ADJACENT SURFACES, TEMPERATURE RATINGS OF FIELD-INSTALLED WIRING CONNECTIONS. (C.M.C. 303)	-	PLANS APPROVE BUILDING INSPE TO THE FOLLOW Plans are accept to the require Housing Law an City of Santee, C	D BY THE CITY C CTION DIVISION ING: ed for construction ments of the d the building la California. The st	on subject California ws of the amping or	t to be disclosed witho
11.	BATHROOMS, WATER CLOSET COMPARTMENT AND SIMILAR ROOMS THE GLAZED AREAS SHALL NOT BE REQUIRED WHERE ARTIFICIAL LIGHT AND A LOCAL EXHAUST SYSTEM ARE PROVIDED. THE MINIMUM LOCAL EXHAUST RATES SHALL BE 50 CUBIC FEET PER MINUTE FOR INTERMITTENT VENTILATION OR 20 CUBIC FEET PER MINUTE FOR CONTINUOUS VENTILATION IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODE, CHAPTER 4. EXHAUST AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTDOORS. C.R.C. SEC. R303.3 EXCEPTION	-	Approved	ALL NOT be held iALL NOT be held e violation of Federal Laws Building Standar	to permit any City, or other rd Codes	 Corporation and are no
12.	EXHAUST DUCTS SHALL TERMINATE OUTSIDE THE BUILDING AND SHALL BE EQUIPPED WITH BACKDRAFT DAMPERS, CMC SEC, 504,1,1		Plan Reviewer Permit: B-RN Plan-Approved	: BDivision N-23-0006 RE	žV.	KB Home
13.	DUCTS USED FOR DOMESTIC KITCHEN RANGE VENTILATION SHALL BE OF METAL AND SHALL HAVE SMOOTH INTERIOR SURFACES, CMC SEC, 504.3					operty of
14. 15.	REFER TO C.M.C. SECTION 504.3 EXCEPTION FOR THE VENTING OF DOMESTIC KITCHEN DOWNDRAFT GRILLE-RANGES. DOMESTIC FREESTANDING OR BUILT-IN RANGES SHALL HAVE A VERTICAL CLEARANCE ABOVE THE COOKING TOP OF NOT LESS THAN 30 INCHES TO INPROTECTED COMPLISTIBLE MATERIAL AND NOT LESS THAN 34 INCHES TO	-		ED ARCU	- *	 exclusive pr
16.	A METAL VENTILATING HOOD, CMC SEC. 920,4,2(1) DOMESTIC CLOTHES DRYER MOISTURE EXHAUST DUCTS SHALL BE OF METAL AND SHALL HAVE SMOOTH INTERIOR SURFACES. EXCEPTION: LISTED CLOTHES DRYER TRANSITION DUCTS NOT MORE THAN 6 FEET IN LENGTH MAY BE USED IN CONNECTION WITH DOMESTIC DRYER EXHAUST. FLEXIBLE DUCT CONNECTORS SHALL NOT BE CONCEALED WITHIN CONSTRUCTION, CMC SEC, 504,4,2	•	SOLUTION PROVIDENCE	ERIC R. KOUGH C-26497	KET NUL	 CONFIDENTIAL, and t
דו.	CLOTHES DRYERS MOISTURE EXHAUST DUCTS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AND SHALL BE EQUIPPED WITH A BACK DRAFT DAMPER. SCREENS SHALL NOT BE INSTALLED AT THE DUCT TERMINATION. CMC SEC. 504.1.1 DRYER VENT OUTLET SHALL HAVE A CLEARANCE OF AT LEAST 5-FEET FROM INSTALLED AIR CONDITIONER CONDENSING UNIT.	•		OF CALIF		 and drawings a
18.	UNLESS OTHERWISE PERMITTED OR REQUIRED BY THE DRYER MFR'S INSTAL-LATION INSTRUCTIONS AND APPROVED BY THE BUILDING OFFICIAL, DOMESTIC DRYER MOISTURE EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14 FEET, INCLUDING TWO 90-DEGREE ELBOWS, CMC SEC. 504.4.2.1	•	PLAN: ALL	PLA	NS	These design
।व.	WHEN A CLOSET IS DESIGNED FOR THE INSTALLATION OF A CLOTHES DRYER, A MINIMUM OPENING OF 100 SQUARE INCHES FOR MAKE-UP AIR SHALL BE PROVIDED IN THE DOOR OR BY OTHER APPROVED MEANS. CMC SEC. 504.4.1		SI	GN	1.2	-
20.	DOMESTIC WATER HEATERS, UNLESS SPECIFIED OTHERWISE BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, SHALL BE VENTED TO THE OUTSIDE AIR BY A TYPE 'B' VENT, CMC SEC, 802,2		SPEC	LEVE	EL 1	-
21. 22.	TYPE 'B' VENTS SHALL COMPLY WITH THE REQUIREMENTS FOR GRAVITY VENTING IN THE CMC SEC. 802.6.3.2. TYPE 'B' VENTS SHALL TERMINATE IN ACCORDANCE WITH CMC SEC. 802.6.1	-	. SA		≡.	-
	AND CMC FIGURE 802.6.1					

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MECHANICAL & PLUMBING (continued)

<u>MECHANICAL (continued)</u>

- 23. CONTRACTOR SHALL NOT EXCEED 50 CFM PER 1000 SQUARE FEET FOR TOTAL DUCT LEAKAGE, MEASURED AT 50 PASCAL (.02 W.C.) OF POSITIVE PRESSURE, USING CALIBRATED DUCT BLASTER TEST EQUIPMENT.
- 24. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, THE PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED TO THE SHEET METAL AND AIR CONDITIONING CONTRACTOR ASSOCIATION, LUMBING
- ALL MATERIALS AND EQUIPMENT, INSTALLATION AND CONSTRUCTION METHODS SHALL COMPLY WITH THE MOST CURRENT ADOPTED EDITION OF THE CALIFORNIA PLUMBING CODE OR THE CURRENT LOCALLY ADOPTED PLUMBING CODE.
- NO PLUMBING FIXTURE, DEVICE, OR CONSTRUCTION SHALL BE INSTALLED OR MAINTAINED, OR SHALL BE CONNECTED TO A DOMESTIC WATER SUPPLY, WHERE SUCH INSTALLATION OR CONNECTION PROVIDES A POSSIBILITY OF POLLUTING SUCH WATER SUPPLY OR CROSS-CONNECTION BETWEEN A DISTRIBUTING SYSTEM OF WATER FOR DRINKING AND DOMESTIC PURPOSES AND WATER THAT BECOMES CONTAMINATED BY SUCH PLUMBING FIXTURE, DEVICE, OR CONSTRUCTION UNLESS THERE IS PROVIDED A BACKFLOW PREVENTION DEVICE APPROVED FOR THE POTENTIAL HAZARD, CPC SEC, 602,3
- WHERE PLUMBING FIXTURES ARE INSTALLED FOR PRIVATE USE, HOT WATER SHALL BE REQUIRED FOR BATHING, WASHING, LAUNDRY, COOKING PURPOSES, DISHWASHING OR MAINTENANCE, CPC SEC. 601,2,1
- 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 BACKFLON PREVENTER, A NONREMOVABLE HOSE BIBB-TYPE VACUUM BREAKER, OR BY AN ATMOSPHERIC VACUUM BREAKER INSTALLED NOT LESS THAN 6 INCHES (152 MM) 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, CPC SEC. 603.5.7
- COPPER OR COPPER ALLOY TUBE FOR WATER PIPING SHALL HAVE A WEIGHT OF NOT LESS THAN TYPE L. EXCEPTION: TYPE M COPPER OR COPPER ALLOY TUBING SHALL BE PERMITTED TO BE USED FOR WATER PIPING WHERE PIPING IS ABOVEGROUND IN, OR ON, A BUILDING OR UNDERGROUND OUTSIDE OF STRUCTURES, CPC SEC. 604.3
- APPROVED PLASTIC MATERIALS SHALL BE PERMITTED TO BE USED IN BUILDING SUPPLY PIPING, PROVIDED THAT WHERE METAL BUILDING SUPPLY PIPING IS USED FOR ELECTRICAL GROUNDING PURPOSES, REPLACEMENT PIPING, THEREFORE, SHALL BE OF LIKE MATERIALS. CPC SEC. 604.10
- PIPING PASSING UNDER OR THROUGH WALLS SHALL BE PROTECTED FROM BREAKAGE. PIPING PASSING THROUGH OR UNDER CINDERS OR OTHER CORROSIVE MATERIALS SHALL BE PROTECTED FROM EXTERNAL CORROSION IN AN APPROVED MANNER, APPROVED PROVISIONS SHALL BE MADE FOR EXPANSION OF HOT WATER PIPING, VOIDS AROUND PIPING PASSING THROUGH CONCRETE FLOORS ON THE GROUND SHALL BE SEALED. CPC SEC. 312,1
- PIPING IN CONNECTION WITH A PLUMBING SYSTEM SHALL BE SO INSTALLED THAT PIPING OR CONNECTIONS WILL NOT BE SUBJECT TO UNDUE STRAINS OR STRESSES, AND PROVISIONS SHALL BE MADE FOR EXPANSION, CONTRACTION, AND STRUCTURAL SETTLEMENT, NO PLUMBING PIPING SHALL BE DIRECTLY EMBEDDED IN CONCRETE OR MASONRY, NO STRUCTURAL MEMBER SHALL BE SERIOUSLY WEAKENED OR IMPAIRED BY CUTTING, NOTCHING, OR OTHERWISE, CPC SEC, 312,2
- PROTECTIVELY COATED PIPE OR TUBING SHALL BE INSPECTED AND TESTED, AND A VISIBLE VOID, DAMAGE, OR IMPERFECTION TO THE PIPE COATING SHALL BE REPAIRED IN AN APPROVED MANNER, CPC SEC. 312.5
- O. NO WATER, SOIL, OR WASTE PIPE SHALL BE INSTALLED OR PERMITTED OUTSIDE OF A BUILDING, IN ATTICS OR CRAWL SPACES, OR IN AN EXTERIOR WALL UNLESS, WHERE NECESSARY, ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPE FROM FREEZING, CPC SEC. 312,6
- ALL PIPING PENETRATIONS OF FIRE-RESISTANCE-RATED WALLS, PARTITIONS, FLOORS, FLOOR/CEILING ASSEMBLIES, ROOF/CEILING ASSEMBLIES, OR SHAFT ENCLOSURES SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CODE. CPC SEC. 312.7
- MATERIALS FOR DRAINAGE PIPING SHALL BE IN ACCORDANCE WITH ONE OF THE REFERENCED STANDARDS IN TABLE 701.2. CPC SEC. 701.2. ABS AND PVC DWV PIPING INSTALLATIONS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE STANDARDS REFERENCED IN TABLE 701.1. ABS AND PVC INSTALLATIONS ARE LIMITED TO NOT MORE THAN TWO STORIES OF AREAS OF RESIDENTIAL ACCOMMODATION, CPC SEC. 701.2(2)
- MATERIALS FOR DRAINAGE FITTINGS SHALL COMPLY WITH THE APPLICABLE STANDARDS REFERENCED IN TABLE 701,2 OF THE SAME DIAMETER AS THE PIPING SERVED, AND SUCH FITTINGS SHALL BE COMPATIBLE WITH THE TYPE OF PIPE USED, CPC SEC. 701,3
- WHERE WASTE LINE DROPS OCCUR IN A LOCATION WHERE THE SOUND OF A FLUSHED TOILET MAY BE UNDESIRABLE, SUCH AS IN WALLS OR PARTITIONS ADJACENT TO EATING ROOMS, USE CAST IRON PIPING OR SIMILAR APPROVED HARD OR DENSE PIPING AND/OR INSULATE STUD BAY ENCLOSING PIPE TO MITIGATE SOUND.
- PROVIDE CLEANOUTS WHERE REQUIRED BY THE CALIFORNIA PLUMBING CODE SECTIONS 707 AND 719.
- ALL GAS PIPING SHALL BE SUPPORTED BY METAL STRAPS OR HOOKS AT INTERVALS NOT TO EXCEED THOSE SHOWN IN CPC TABLE 1210.3.5.1, PER CPC SEC. 313.7
- SHOWERS AND TUB-SHOWER COMBINATIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE, THERMOSTATIC, OR COMBINATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVE TYPE THAT PROVIDE SCALD AND THERMAL SHOCK PROTECTION FOR THE RATED FLOW RATE OF THE INSTALLED SHOWERHEAD, THESE VALVES SHALL BE INSTALLED AT THE POINT OF USE AND COMPLY WITH ASSE 1016/ASME A112,1016/CSA B125,16 OR ASME AII2,18,1/CSA BI25,1, CPC SEC. 408,3
- APPLIANCES IN RESIDENTIAL GARAGES AND IN ADJACENT SPACES THAT OPEN TO THE GARAGE AND ARE NOT PART OF THE LIVING SPACE OF A DWELLING UNIT SHALL BE INSTALLED SO THAT ALL BURNERS AND BURNER-IGNITION DEVICES ARE LOCATED NOT LESS THAN 18 INCHES ABOVE THE FLOOR UNLESS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT, [NFPA 54:9,1,10,1] CPC SEC. 507,13
- APPLIANCES INSTALLED IN GARAGES, WAREHOUSES, OR OTHER AREAS SUBJECT TO MECHANICAL DAMAGE SHALL BE GUARDED AGAINST SUCH DAMAGE BY BEING INSTALLED BEHIND PROTECTIVE BARRIERS OR BY BEING ELEVATED OR LOCATED OUT OF THE NORMAL PATH OF VEHICLES. CPC SEC. 507.13.1
- 20. WATER HEATERS SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION, STRAPPING SHALL BE AT POINTS WITHIN THE UPPER ONE THIRD (1/3) AND LOWER ONE-THIRD (1/3) OF ITS VERTICAL DIMENSIONS. AT THE LOWER POINT, A MINIMUM DISTANCE OF FOUR(4) INCHES SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING, CPC SEC. 507.2

MECHANICAL & **PLUMBING** (continued)

<u>PLUMBING (continued)</u>

- 21. WHERE A WATER HEATER IS LOCATED IN AN ATTIC, IN OR ON AN ATTIC CEILING ASSEMBLY, FLOOR-CEILING ASSEMBLY, OR FLOOR-SUBFLOOR ASSEMBLY WHERE DAMAGE RESULTS FROM A LEAKING WATER HEATER, A WATERTIGHT PAN OF CORROSION-RESISTANT MATERIALS SHALL BE NSTALLED BENEATH THE WATER HEATER WITH NOT LESS THAN 3/4 OF AN INCH DIAMETER DRAIN TO AN APPROVED LOCATION, SUCH PAN SHALL BE NOT LESS THAN 11/2 INCHES (38 MM) IN DEPTH, CPC SEC. 507,5
- 22. WHEN A CLOTHES WASHING MACHINE IS LOCATED ON A WOOD FRAMED FLOOR WHERE DAMAGE MAY RESULT FROM A LEAKING WASHING MACHINE, A WATERTIGHT PAN OF CORROSION RESISTANT MATERIALS SHALL BE INSTALLED BENEATH THE WASHING MACHINE WITH A MINIMUM 3/4-INCH DIAMETER DRAIN TO AN APPROVED LOCATION.
- 23. WATER HEATERS SHALL BE PROVIDED WITH AN APPROVED, LISTED, ADEQUATELY SIZED COMBINATION PRESSURE AND TEMPERATURE RELIEF VALVE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND SHALL BE PROVIDED WITH A DRAIN TO THE OUTSIDE OF THE BUILDING AS REQUIRED CPC SEC. 608.3
- NO DOMESTIC DISHWASHING MACHINE SHALL BE DIRECTLY CONNECTED TO A DRAINAGE SYSTEM OR FOOD WASTE DISPOSER WITHOUT THE USE OF AN APPROVED DISHWASHER AIR GAP FITTING ON THE DISCHARGE SIDE OF THE DISHWASHING MACHINE, LISTED AIR GAPS SHALL BE INSTALLED WITH THE FLOOD-LEVEL (FL) MARKING AT OR ABOVE THE FLOOD LEVEL OF THE SINK OR DRAINBOARD, WHICHEVER IS HIGHER. CPC SEC. 807,3
- 25. THE MINIMUM CAPACITY FOR WATER HEATERS SHALL BE IN ACCORDANCE WITH THE FIRST HOUR RATING LISTED IN TABLE 501,1(1) OF THE 2022 CPC

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FIRST HOUR RATING, GAL.	38	49	

- LAVATORY FAUCETS SHALL BE DESIGN AND MANUFACTURE SO THAT THEY WILL NOT EXCEED A WATER FLOW RATE, 0.5 GALLONS PER MINUTE AT 60 PSI FOR PUBLICK LAVATORY FAUCETS AND 1.2 GALLONS PER MINUTE AT 60 PSI FOR RESIDENTIAL LAVATORY FAUCETS, CPC SEC. 407.2.1 \$ 2
- 27. SELF-CLOSING OR METERING FAUCETS SHALL BE INSTALLED ON LAVATORIES INTENDED TO SERVE THE TRANSIENT PUBLIC, SUCH AS THOSE N, BUT NOT LIMITED TO SERVICE STATIONS, TRAIN STATIONS, AIRPORTS, RESTAURANTS, AND CONVENTION HALLS, CPC SEC. 407.4 METERED FAUCETS SHALL DELIVER A MAXIMUM OF 0.2 GALLONS PER METERING CYCLE. CPC SEC. 407.2.4
- 28. SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GPM AT 80 PSI. RESIDENTIAL SHOWERHEADS SHALL COMPLY WITH DIVISION 4.3 OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), CPC SEC. 408.2
- WHERE STATIC WATER PRESSURE IN THE WATER SUPPLY PIPING IS - 29 EXCEEDING 80 PSI (552 KPA), AN APPROVED-TYPE PRESSURE REGULATOR PRECEDED BY AN ADEQUATE STRAINER SHALL BE INSTALLED AND THE STATIC PRESSURE REDUCED TO 80 PSI (552 KPA) OR LESS, PRESSURE REGULATORS FOR POTABLE WATER DISTRIBUTION SYSTEMS SHALL COMPLY WITH ASSE 1003, PRESSURE REGULATOR(S) EQUAL TO OR EXCEEDING 11/2 INCHES (40 MM) SHALL NOT REQUIRE A STRAINER, SUCH REGULATOR(S) SHALL CONTROL THE PRESSURE TO WATER OUTLETS IN THE BUILDING UNLESS OTHERWISE APPROVED BY THE AUTHORITY HAVING JURISDICTION, EACH SUCH REGULATOR AND STRAINER SHALL BE ACCESSIBLY LOCATED ABOVEGROUND OR IN A VAULT EQUIPPED WITH A PROPERLY SIZED AND SLOPED BORESIGHTED DRAIN TO DAYLIGHT, SHALL BE PROTECTED FROM FREEZING, AND SHALL HAVE THE STRAINER READILY ACCESSIBLE FOR CLEANING WITHOUT REMOVING THE REGULATOR OR STRAINER BODY OR DISCONNECTING THE SUPPLY PIPING, PIPE SIZE DETERMINATIONS SHALL BE BASED ON 80 PERCENT OF THE REDUCED PRESSURE WHERE USING TABLE 610.4. CPC SEC. 608.2)

ELECTRICAL

- ALL MATERIALS AND APPLIANCES, INSTALLATION AND CONSTRUCTION METHODS SHALL COMPLY WITH THE CURRENT CALIFORNIA ELECTRICAL CODE
- ALL ELECTRICAL SYSTEMS, CIRCUITS, FIXTURES AND EQUIPMENT SHALL BE 2. GROUNDED IN A MANNER COMPLYING WITH ARTICLE 250 OF THE CALIFORNIA ELECTRICAL CODE.
- ALL WIRING SHALL BE SO INSTALLED THAT, WHEN COMPLETED, THE SYSTEM WILL BE FREE FROM SHORT CIRCUITS AND FROM GROUNDS FAULTS, OR ANY CONNECTIONS TO GROUND OTHER THAN REQUIRED OR PERMITTED ON CEC ARTICLE 250, CEC ARTICLE 110,7
- ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORK-MANLIKE MANNER, CEC ARTICLE 110,12
- RECEPTACLE OUTLETS SHALL BE LOCATED IN BRANCH CIRCUITS IN ACCORDANCE WITH PART III OF ARTICLE 210, (C.E.C. ARTICLE 210,4 (A)) WHERE CONNECTED TO A BRANCH CIRCUIT SUPPLYING TWO OR MORE RECEPTACLES OR OUTLETS, A RECEPTACLE SHALL NOT SUPPLY A TOTAL CORD-AND-PLUG-CONNECTED LOAD IN EXCESS OF THE MAXIMUM SPECIFIED IN TABLE 210,21(B)2, RECEPTACLE RATINGS SHALL CONFORM TO THE VALUES IN TABLE 210.21(B)3, OR WHERE LARGER THAN 50 AMPERES, THE RECEPTACLE RATING SHALL NOT BE LESS THAN THE BRANCH-CIRCUIT RATING, CEC ARTICLE 210,21 (B) RECEPTACLES (2) AND
- 6. ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED IN 210.8(A)(I) THROUGH (A)(II) AND SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL

(I) BATHROOMS

(2) GARAGES AND ALSO ACCESSORY BUILDINGS THAT HAVE A FLOOR LOCATED AT OR BELOW GRADE LEVEL NOT INTENDED AS HABITABLE ROOMS AND LIMITED TO STORAGE AREAS, WORK AREAS, AND AREAS OF SIMILAR USE

(3) OUTDOORS

EXCEPTION TO (3): RECEPTACLES THAT ARE NOT READILY ACCESSIBLE AND ARE SUPPLIED BY A BRANCH CIRCUIT DEDICATED TO ELECTRIC SNOW-MELTING, DEICING, OR PIPELINE AND VESSEL HEATING EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN ACCORDANCE WITH 426,28 OR 427.22, AS APPLICABLE.

(4) CRAWL SPACES - AT OR BELOW GRADE LEVEL

(5) BASEMENTS EXCEPTION TO (5): A RECEPTACLE SUPPLYING ONLY A PERMANENTLY INSTALLED FIRE ALARM OR BURGLAR ALARM SYSTEM SHALL NOT BE REQUIRED TO HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION.

RECEPTACLES INSTALLED UNDER THE EXCEPTION TO 210,8(A)(5) SHALL NOT BE CONSIDERED AS MEETING THE REQUIREMENTS OF 210.52(G).

(6) KITCHENS - WHERE THE RECEPTACLES ARE INSTALLED TO SERVE THE COUNTERTOP SURFACES



INFORMATIONAL NOTE: SEE 160,41(B) AND 160.121(B) FOR POWER SUPPLY REQUIREMENTS FOR FIRE ALARM SYSTEMS,

General Notes (cont.)

ELECTRICAL (continued)

- (7) SINKS WHERE RECEPTACLES ARE INSTALLED WITHIN 1.8 M (6 FT) FROM THE TOP INSIDE EDGE OF THE BOWL OF THE SINK
- (8) BOATHOUSES
- (9) BATHTUBS OR SHOWER STALLS WHERE RECEPTACLES ARE INSTALLED WITHIN I.S M (6 FT) OF THE OUTSIDE EDGE OF THE BATHTUB OR SHOWER STALL
- (10) LAUNDRY AREAS
- (II) INDOOR DAMP AND WET LOCATIONS
- CEC ARTICLE 210.8(A), SEE ARTICLE FOR EXCEPTIONS)
- APPLIANCE RECEPTACLE OUTLETS INSTALLED IN A DWELLING UNIT FOR SPECIFIC APPLIANCES, SUCH AS LAUNDRY EQUIPMENT, SHALL BE INSTALLED WITHIN 6 FEET OF THE INTENDED LOCATION OF THE APPLIANCE. CEC ARTICLE 210,50 (C)
- IN EVERY KITCHEN, FAMILY ROOM, DINING ROOM, LIVING ROOM, PARLOR, LIBRARY, DEN, SUN ROOM, BEDROOM, RECREATION ROOM, OR SIMILAR ROOM OR AREA OF DWELLING UNITS, RECEPTACLE OUTLETS SHALL BE INSTALLED SUCH THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6 FEET FROM A RECEPTACLE OUTLET. WALL SPACE 2 FEET OR MORE IN WIDTH AND THE WALL SPACE (INCLUDING SPACE MEASURED AROUND CORNERS) AND BROKEN ALONG THE FLOOR LINE BY DOORWAYS, FIREPLACES AND SIMILAR OPENINGS. THE SPACED OCCUPIED BY FIXED PANELS IN THE EXTERIOR WALLS EXCLUDING SLIDING PANELS, THE SPACE AFFORDED BY FIXED ROOM DIVIDERS SUCH AS FREESTANDING BAR-TYPE COUNTERS OR RAILINGS, CEC ARTICLE 210,52(A)
- PROVIDE TWO 20-AMPERE SMALL APPLIANCE BRANCH CIRCUITS AT THE KITCHEN, PANTRY, BREAKFAST, AND DINING AREAS. THE TWO OR MORE SMALL APPLIANCE BRANCH CIRCUITS SHALL HAVE NO OTHER OUTLETS. CEC ARTICLES 210.52 (B)(1), (B)(2), AND 220.18
- IO. AT LEAST ONE 20-AMPERE BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE LAUNDRY RECEPTACLE OUTLET REQUIRED BY CEC ARTICLE 210.52(F). THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS. CEC ARTICLE 220.18
- IN KITCHENS, PANTRIES, BREAKFAST ROOMS, DINING ROOMS AND SIMILAR AREAS OF DWELLING UNITS RECEPTACLE OUTLETS FOR COUNTERTOP SPACES SHALL BE ISTALLED IN ACCORDANCE WITH THE FOLLOWING:
- RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24 INCHES MEASURED HORIZONTALLY FROM A RECEPTACLE OUTLET IN THAT SPACE.
- (2) AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH ISLAND COUNTERTOP SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER,
- (3) AT LEAST ONE RECEPTACLE OUTLET SHALL BE LOCATED WITHIN 2 FEET OF THE OUTER END OF A PENINSULAR COUNTERTOP OR WORK SURFACE, ADDITIONAL REQUIRED RECEPTACLE OUTLETS SHALL BE PERMITTED TO BE LOCATED AS DETERMINED BY THE INSTALLER. DESIGNER, OR BUILDING OWNER. THE LOCATION OF THE RECEPTACLE OUTLETS SHALL BE IN ACCORDANCE WITH 210,52(C)(3).
- COUNTERTOP SPACES SEPARATED BY RANGE TOPS. REFRIGERA-TORS, OR SINKS SHALL BE CONSIDERED AS SEPARATE COUNTERTOP SPACES IN APPLYING THE REQUIREMENTS OF (1), (2) AND (3) ABOVE.
- (5) RECEPTACLE OUTLETS SHALL BE LOCATED ON OR ABOVE NOT MORE GUARDS ON THE OPEN SIDE OF STAIRS SHALL NOT HAVE OPENINGS THAT THAN 20 INCHES ABOVE THE COUNTERTOP. RECEPTACLE OUTLETS ASSEMBLIES LISTED FOR THE APPLICATION SHALL BE PERMITTED TO BE INSTALLED IN COUNTERTOPS, RECEPTACLE OUTLETS RENDERED NOT READILY ACCESSIBLE BY APPLIANCES FASTENED IN PLACE OR APPLIANCES OCCUPYING DEDICATED SPACE SHALL NOT BE CONSIDERED AS THESE REQUIRED OUTLETS.
- (C.E.C. ARTICLE 210-52(C) SEE ARTICLE FOR EXCEPTIONS)
- 12. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN BATHROOMS MITHIN 3 FEET OF THE OUTSIDE EDGE OF EACH BASIN. THE RECEPTACLE OUTLET SHALL BE LOCATED ON A WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR BASIN COUNTERTOP, LOCATED ON THE COUNTERTOP, OR INSTALLED ON THE SIDE OR FACE OF THE BASIN CABINET, IN NO CASE SHALL THE RECEPTACLE BE LOCATED MORE THAN 12 INCHES BELOW THE TOP OF THE BASIN OR BASIN COUNTERTOP, RECEPTACLE OUTLET ASSEMBLIES LISTED FOR USE IN COUNTERTOPS SHALL BE PERMITTED TO BE INSTALLED IN THE COUNTERTOP.
- 13. ALL CONDUCTORS CLOSER THAN I 1/4 INCH TO THE EDGE OF FRAMING MEMBERS SHALL BE PROTECTED WITH A STEEL PLATE AT LEAST 1/16 INCH IN THICKNESS, CEC ARTICLE 330.17 \$ 300.4 (A)
- 14. LUMINAIRES INSTALLED IN WET OR DAMP LOCATIONS SHALL BE INSTALLED SUCH THAT WATER CANNOT ENTER OR ACCUMULATE IN WIRING COMPARTMENTS, LAMPHOLDERS, OR OTHER ELECTRICAL PARTS. ALL LUMINAIRES INSTALLED IN WET LOCATIONS SHALL BE MARKED, "SUITABLE FOR WET LOCATIONS." ALL LUMINAIRES INSTALLED IN DAMP LOCATIONS SHALL BE MARKED "SUITABLE FOR WET LOCATIONS" OR "SUITABLE FOR DAMP LOCATIONS." CEC ARTICLE 410.10 (A)
- LIGHT FIXTURES WITHIN CLOTHES CLOSETS SHALL BE INSTALLED IN 15. ACCORDANCE WITH CEC ARTICLE 410.16
- THE FLOOR PLANS PROVIDED SHALL INCORPORATE THE FOLLOWING 2022 RESIDENTIAL LIGHTING REQUIREMENTS AND INCLUDE THE REQUIRED LIGHTING CONTROLS: CENC, SEC. 150.0(K):
- A. ALL INSTALLED LUMINAIRES SHALL BE HIGH-EFFICACY IN ACCORDANCE WITH TABLE 150.0-A. CENC, SEC. 150.0(K)IA
- B. ALL ENCLOSED OR RECESSED LUMINARIES REQUIRED TO HAVE LIGHT SOURCES COMPLIANT WITH REFERENCE JOINT APPENDIX JAB. CENC, SEC. 150.0(K)ID
- OUTDOOR LIGHTING: ALL OUTDOOR LIGHTING SHALL BE CONTROLLED C. BY A MANUAL ON AND OFF SWITCH THAT DOES NOT OVERRIDE TO ON AND ONE OF THE FOLLOWING: CONTROLLED BY PHOTOCELL AND MOTION SENSOR, PHOTO CONTROL AND AUTOMATIC SWITCH CONTROL, ASTRONOMICAL TIME CLOCK, OR ENERGY MANAGEMENT CONTROL SYSTEM. CENC, SEC. 150.0(K)3A.

SMOKE DETECTORS

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- SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217. COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217 AND UL 2034, SYSTEMS AND COMPONENTS SHALL BE CALIFORNIA STATE FIRE MARSHAL LISTED AND APPROVED IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION I FOR THE PURPOSE FOR WHICH THEY ARE INSTALLED, CRC SEC, R314.1.1
- REQUIRED SMOKE DETECTORS SHALL BE LOCATED IN ACCORDANCE WITH CRC SEC. R314.3
- WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING OR SLEEPING UNIT, THE SMOKE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED. CRC SEC. R314.4 SEE EXCEPTIONS.

ELECTRICAL (continued)

SMOKE DETECTORS (continued)

SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING PROVIDED THAT SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACKUF SMOKE ALARMS WITH INTEGRAL STROBES THAT ARE NOT EQUIPPED WITH BATTERY BACKUP SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM, SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW, WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVERCURRENT PROTECTION. CRC SEC. R314.6

CARBON MONOXIDE ALARM

- AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED IN DWELLING DWELLING UNITS AND IN SLEEPING UNITS WITHIN WHICH FUEL-BURNING APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES, CRC SEC, R315.2
- REQUIRED CARBON MONOXIDE ALARMS SHALL BE LOCATED IN ACCORDANCE WITH CRC SEC. R315.3
- WHERE MORE THAN ONE CARBON MONOXIDE ALARM IS REQUIRED TO BE З. INSTALLED WITHIN AN INDIVIDUAL DWELLING UNIT IN ACCORDANCE WITH SECTION R315.3, THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL DWELLING UNIT. PHYSICAL INTERCONNECTION OF CARBON MONOXIDE ALARMS SHALL NOT BE REQUIRED WHERE LISTED WIRELESS ALARMS ARE INSTALLED AND ALL ALARMS SOUND UPON ACTIVATION OF ONE ALARM. CRC SEC. R315.5 SEE EXCEPTIONS.
- CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND, WHERE PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE POWER FROM A BATTERY, WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVERCURRENT PROTECTION, CRC SEC, R315,6 SEE EXCEPTIONS.

MISCELLANEOUS

FIREPLACES:

FACTORY-BUILT CHIMNEYS AND FIREPLACES SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTINGS AND THE MANUFACTURER'S INSTRUCTIONS, COBSC SEC. 4.503 AND CRC CHAPTER IO EXTERIOR COMBUSTION AIR DUCTS FOR FACTORY-BUILT FIREPLACES SHALL BE COMPONENTS OF THE FIREPLACE, AND INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

RESTROOMS:

FIXTURES SHALL BE SET LEVEL AND IN PROPER ALIGNMENT WITH REFERENCE TO ADJACENT WALLS. NO WATER CLOSET OR BIDET SHALL BE SET CLOSER THAN 15 INCHES FROM ITS CENTER TO A SIDE WALL OR OBSTRUCTION OR CLOSER THAN 30 INCHES CENTER TO CENTER TO A SIMILAR FIXTURE. THE CLEAR SPACE IN FRONT OF A WATER CLOSET, LAVATORY, OR BIDET SHALL BE NOT LESS THAN 24 INCHES, NO URINAL SHALL BE SET CLOSER THAN 12 INCHES FROM ITS CENTER TO A SIDE WALL OR PARTITION OR CLOSER THAN 24 INCHES CENTER TO CENTER, CPC SEC, 402,5

STAIRS:

GUARDRAILS SHALL BE IN CONFORMANCE WITH SECTION R312 OF THE CALIFORNIA RESIDENTIAL CODE.

THE TRIANGULAR OPENINGS AT THE OPEN SIDE OF STAIR, FORMED BY THE RISER. TREAD AND BOTTOM RAIL OF A GUARD, SHALL NOT ALLOW PASSAGE OF A SPHERE 6 INCHES IN DIAMETER, CRC SEC, R312.1,3 EXCEPTION I ALLOW PASSAGE OF A SPHERE 4 3/8 INCHES IN DIAMETER

CRC SEC. R312.1.3 EXCEPTION 2 HANDRAILS SHALL BE IN CONFORMANCE WITH SECTION R311,7,8 OF THE CALIFORNIA RESIDENTIAL CODE.

<u>GARAGES:</u>

GARAGES SHALL HAVE NO OPENINGS INTO ROOMS USED FOR SLEEPING PURPOSES CRC SEC. R302.5.1

GARAGE FLOOR SURFACES SHALL BE OF APPROVED NONCOMBUSTIBLE MATERIAL

THE AREA OF FLOOR USED FOR PARKING OF AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN OR TOWARD THE MAIN VEHICLE ENTRY DOORWAY, CRC SEC.R309.1

DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MINIMUM NO. 26 GAGE SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL NOT HAVE OPENINGS INTO THE GARAGE. CRC SEC. R302.5.2

PENETRATIONS THROUGH THE SEPARATION REQUIRED IN SECTION R302,6 SHALL BE PROTECTED AS REQUIRED BY SECTION R302.11, ITEM 4. CRC SEC. R302,5,3

ADDRESS IDENTIFICATION

BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICATION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE NOT LESS THAN 4 INCHES (102 MM) IN HEIGHT WITH A STROKE WIDTH OF NOT LESS THAN 0.5 INCH (12,7 MM), WHERE REQUIRED BY THE FIRE CODE OFFICIAL, ADDRESS IDENTIFICATION SHALL BE PROVIDED IN ADDITIONAL APPROVED LOCATIONS TO FACILITATE EMERGENCY RESPONSE. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE, ADDRESS IDENTIFICATION SHALL BE MAINTAINED, CRC SEC. R319

FLAME SPREAD INDEX AND SMOKE-DEVELOPED INDEX FOR WALL AND CEILING FINISHES

FLAME SPREAD AND SMOKE-DEVELOPED INDICES FOR WALL AND CEILING FINISHES SHALL BE IN ACCORDANCE WITH SECTIONS R302.9.1 THROUGH R302.9.4.



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2022 California Green Building Standards Code - Residential

DIVISION 4.1 - PLANNING AND DESIGN

4,101,1 SCOPE: THE PROVISIONS OF THIS DIVISION OUTLINE PLANNING, DESIGN AND DEVELOPMENT METHODS THAT INCLUDE ENVIRONMENTALLY RESPONSIBLE SITE SELECTION, BUILDING DESIGN, BUILDING SITING AND DEVELOPMENT TO PROTECT, RESTORE AND ENHANCE THE ENVIRONMENTAL QUALITY OF THE SITE AND RESPECT THE INTEGRITY OF ADJACENT PROPERTIES. SECTION 4,106 SITE DEVELOPMENT

4.106.1 GENERAL PRESERVATION AND USE OF AVAILABLE NATURAL RESOURCES SHALL BE ACCOMPLISHED THROUGH EVALUATION AND CAREFUL PLANNING TO MINIMIZE NEGATIVE EFFECTS ON THE SITE AND ADJACENT AREAS. PRESERVATION OF SLOPES, MANAGEMENT OF STORM WATER DRAINAGE AND EROSION CONTROLS SHALL COMPLY WITH THIS SECTION.

4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL AND ARE NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION, IN ORDER TO MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION, ONE OR MORE OF THE FOLLOWING MEASURES SHALL BE MPLEMENTED TO PREVENT FLOODING OF ADJACENT PROPERTY, PREVENT EROSION AND RETAIN SOIL RUNOFF ON THE SITE.

- RETENTION BASING OF SUFFICIENT SIZE SHALL BE UTILIZED TO RETAIN STORM WATER ON THE SITE. WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, COLLECTION POINT, GUTTER OR SIMILAR DISPOSAL METHOD, WATER
- SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER METHOD APPROVED BY THE ENFORCING AGENCY COMPLIANCE WITH A LAWFULLY ENACTED STORM WATER MANAGEMENT SECTION 4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE ORDINANCE.

4.106.3 GRADING AND PAVING, CONSTRUCTION PLANS SHALL INDICATE HOW THE SITE GRADING OR DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS, EXAMPLES OF METHODS TO MANAGE SURFACE WATER INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- WATER COLLECTION AND DISPOSAL SYSTEMS
- FRENCH DRAINS WATER RETENTION GARDENS
- OTHER WATER MEASURES WHICH KEEP SURFACE WATER AWAY FROM - 5. BUILDINGS AND AID IN GROUNDWATER RECHARGE.

4.106.4 ELECTRIC VEHICLE (EV) CHARGING FOR NEW CONSTRUCTION. NEW CONSTRUCTION SHALL COMPLY WITH SECTION 4.106.4.1 OR 4.106.4.2 TO FACILITATE FUTURE INSTALLATION AND USE OF EV CHARGERS. ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE, ARTICLE 625.

DIVISION 4.2 - ENERGY EFFICIENCY

4.201,1 SCOPE: FOR THE PURPOSES OF MANDATORY ENERGY EFFICIENCY STANDARDS IN THIS CODE, THE CALIFORNIA ENERGY COMMISSION WILL

CONTINUE TO ADOPT MANDATORY STANDARDS.

DIVISION 4.3 - WATER EFFICIENCY AND CONSERVATION 4,301,1 SCOPE: THE PROVISIONS OF THIS CHAPTER SHALL ESTABLISH THE MEANS OF CONSERVING WATER USED INDOORS, OUTDOORS AND IN WASTEWATER CONVEYANCE.

SECTION 4.303 INDOOR WATER USE

4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS, PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH SECTIONS 4.303.1.1, 4.303.1.2, 4.303.1.3 ND 4.303.1.4.

4,303,1,1 WATER CLOSETS: THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH, TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE US 5. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS. NOTE: THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO

REDUCED FLUSHES AND ONE FULL FLUSH. 4.303,1,2 URINALS: THE EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED

URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH, THE EFFECTIVE FLUSH VOLUME OF ALL OTHER URINALS SHALL NOT EXCEED 0.5 GALLONS PER FLUSH. 4.303.1.3. SHOWERHEADS

4,303,1,3,1 SINGLE SHOWERHEAD: SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI, SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE US EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS.

4,303,1,3,2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER: WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL 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. NOTE: A HAND-HELD SHOWER SHALL BE CONSIDERED A

SHOWERHEAD. 4,303,1,3,2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER: WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL 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. NOTE: A HAND-HELD SHOWER SHALL BE CONSIDERED A

4.303.1.4 FAUCETS.

SHOWERHEAD.

4,303,1,4,1 RESIDENTIAL LAVATORY FAUCETS: THE MAXIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS PER MINUTE AT 60 PSI, THE MINIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT BE LESS THAN 0.8 GALLONS PER MINUTE AT 20 PSI.

4,303,1,4,2 LAVATORY FAUCETS IN COMMON AND PUBLIC USE AREAS: THE MAXIMUM FLOW RATE OF LAVATORY FAUCETS INSTALLED IN COMMON AND PUBLIC USE AREAS (OUTSIDE OF DWELLINGS OR SLEEPING UNITS) IN RESIDENTIAL BUILDINGS SHALL NOT EXCEED 0.5 GALLONS PER MINUTE AT 60 PSI.

4,303,1,4,3 METERING FAUCETS: METERING FAUCETS WHEN INSTALLED IN RESIDENTIAL BUILDINGS SHALL NOT DELIVER MORE THAN 0.2 GALLONS PER CYCLE.

4.303,1,4,4 KITCHEN FAUCETS: THE MAXIMUM FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1,8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2,2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.

NOTE: WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE USED TO ACHIEVE REDUCTION.

4,303,3 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS: PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING

STANDARDS FOR PLUMBING FIXTURES AND FIXTURE FITTINGS REQUIRED STANDARDS

WATER CLOSETS (TOILETS) - FLUSHOMETER VALVE-TYPE SINGLE FLUSH, MAXIMUM FLUS WATER CLOSETS (TOILETS) - FLUSHOMETER VALVE-TYPE DUAL FLUSH, MAXIMUM FLUSH WATER CLOSETS (TOILETS) - TANK TYPE URINALS, MAXIMUM FLUSH VOLUME

URINALS, NONWATER URINALS

PUBLIC LAVATORY FAUCETS: MAXIMUM FLOW RATE -0.5 GPM (I.9 L/MIN) PUBLIC METERING SELF-CLOSING FAUCETS: MAXIMUM WATER USE -0.25 GAL (I.O L) P RESIDENTIAL BATHROOM LAVATORY SINK FAUCETS: MAXIMUM FLOW RATE - 1.5 GPM

SECTION 4.304 OUTDOOR WATER USE 4.304,1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS: RESIDENTIAL DEVELOPMENTS SHALL COMPLY WITH A LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO), WHICHEVER IS MORE STRINGENT.

ADJUSTING AND BALANCING.

NOTES: , THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) IS LOCATED IN THE CALIFORNIA CODE OF REGULATIONS, TITLE 23, CHAPTER 2,7, DIVISION 2. MWELO AND SUPPORTING DOCUMENTS, INCLUDING A WATER BUDGET

DIVISION 4.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY 4.401,1 SCOPE: THE PROVISIONS OF THIS CHAPTER SHALL OUTLINE MEANS OF ACHIEVING MATERIAL CONSERVATION AND RESOURCE EFFICIENCY THROUGH PROTECTION OF BUILDINGS FROM EXTERIOR MOISTURE; CONSTRUCTION WASTE DIVERSION: EMPLOYMENT OF TECHNIQUES TO REDUCE POLLUTION THROUGH RECYCLING OF MATERIALS; AND BUILDING COMMISSIONING OR TESTING,

4,401,1 SCOPE: THE PROVISIONS OF THIS CHAPTER SHALL OUTLINE MEANS OF ACHIEVING MATERIAL CONSERVATION AND RESOURCE EFFICIENCY THROUGH PROTECTION OF BUILDINGS FROM EXTERIOR MOISTURE; CONSTRUCTION WASTE DIVERSION; EMPLOYMENT OF TECHNIQUES TO REDUCE POLLUTION THROUGH RECYCLING OF MATERIALS; AND BUILDING COMMISSIONING OR TESTING, ADJUSTING AND BALANCING.

4.406,1 RODENT PROOFING: ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY. SECTION 4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

4.408.1 CONSTRUCTION WASTE MANAGEMENT: RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH EITHER SECTION 4.408.2, 4.408.3 OR 4,408.4, OR MEET A MORE STRINGENT LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE,

- EXCEPTIONS EXCAVATED SOIL AND LAND-CLEARING DEBRIS, 2. ALTERNATE WASTE REDUCTION METHODS DEVELOPED BY WORKING
- WITH LOCAL AGENCIES IF DIVERSION OR RECYCLE FACILITIES CAPABLE OF COMPLIANCE WITH THIS ITEM DO NOT EXIST OR ARE NOT LOCATED REASONABLY CLOSE TO THE JOBSITE. THE ENFORCING AGENCY MAY MAKE EXCEPTIONS TO THE
- REQUIREMENTS OF THIS SECTION WHEN ISOLATED JOBSITES ARE FACILITY

FINISH MATERIALS SHALL COMPLY WITH THIS SECTION. LOCATED IN AREAS BEYOND THE HAUL BOUNDARIES OF THE DIVERSION 4,504,2,1 ADHESIVES, SEALANTS AND CAULKS: ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 4,408.2 CONSTRUCTION WASTE MANAGEMENT PLAN: SUBMIT A CONSTRUCTION FOLLOWING STANDARDS UNLESS MORE STRINGENT LOCAL OR REGIONAL AIR WASTE MANAGEMENT PLAN IN CONFORMANCE WITH ITEMS I THROUGH 5, THE POLLUTION OR AIR QUALITY MANAGEMENT DISTRICT RULES APPLY: ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY SEALANT PRIMERS, AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AND SHALL BE AVAILABLE DURING CONSTRUCTION FOR EXAMINATION BY THE AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES ENFORCING AGENCY. IDENTIFY THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE WHERE APPLICABLE OR SCAQMD RULE 1168 VOC LIMITS, AS SHOWN IN DIVERTED FROM DISPOSAL BY RECYCLING, REUSE ON THE PROJECT OR TABLE 4.504.1 OR 4.504.2, AS APPLICABLE, SUCH PRODUCTS ALSO SHALL SALVAGE FOR FUTURE USE OR SALE, COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC 2. SPECIFY IF CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, SORTED ON-SITE (SOURCE-SEPARATED) OR BULK MIXED (SINGLE STREAM). PERCHLOROETHYLENE AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL IDENTIFY DIVERSION FACILITIES WHERE THE CONSTRUCTION AND PRODUCTS, AS SPECIFIED IN SUBSECTION 2 BELOW. DEMOLITION WASTE MATERIAL WILL BE TAKEN. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND IDENTIFY CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF SEALANT OR CALLKING COMPOUNDS (IN UNITS OF PRODUCT | ESS CONSTRUCTION AND DEMOLITION WASTE GENERATED, PACKAGING, WHICH DO NOT WEIGH MORE THAN I POUND AND DO NOT SPECIFY THAT THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT VOC STANDARDS AND OTHER REQUIREMENTS. INCLUDING PROHIBITIONS ON NOT BY BOTH. USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.

4.408.3 WASTE MANAGEMENT COMPANY: UTILIZE A WASTE MANAGEMENT COMPANY, APPROVED BY THE ENFORCING AGENCY, WHICH CAN PROVIDE VERIFIABLE DOCUMENTATION THAT THE PERCENTAGE OF CONSTRUCTION AND DEMOLITION WASTE MATERIAL DIVERTED FROM THE LANDFILL COMPLIES WITH SECTION 4.408.1.

NOTE: THE OWNER OR CONTRACTOR MAY MAKE THE DETERMINATION IF THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE DIVERTED BY A WASTE MANAGEMENT COMPANY.

4,408.4 WASTE STREAM REDUCTION ALTERNATIVE: PROJECTS THAT GENERATE A TOTAL COMBINED WEIGHT OF CONSTRUCTION AND DEMOLITION WASTE DISPOSED OF IN LANDFILLS, WHICH DO NOT EXCEED 3.4 POUNDS PER SQUARE FOOT OF THE BUILDING AREA SHALL MEET THE MINIMUM 65 PERCENT CONSTRUCTION WASTE REDUCTION REQUIREMENT IN SECTION 4,408.1.

4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE: PROJECTS THAT GENERATE A TOTAL COMBINED WEIGHT OF CONSTRUCTION AND DEMOLITION WASTE DISPOSED OF IN LANDFILLS, WHICH DO NOT EXCEED 2 POUNDS PER SQUARE FOOT OF THE BUILDING AREA, SHALL MEET THE MINIMUM 65-PERCENT CONSTRUCTION WASTE REDUCTION REQUIREMENT IN SECTION 4.408.1.

4.408.5 DOCUMENTATION: DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTION 4.408.2, ITEMS | THROUGH 5, SECTION 4.408.3 OR SECTION 4.408.4.

- SAMPLE FORMS FOUND IN "A GUIDE TO THE CALIFORNIA GREEN
- BUILDING STANDARDS CODE (RESIDENTIAL)" LOCATED AT
- DOCUMENTING COMPLIANCE WITH THIS SECTION,
- CAN BE LOCATED AT THE CALIFORNIA DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY (CALRECYCLE).

SECTION 4.410 BUILDING MAINTENANCE AND OPERATION 4.410.1 OPERATION AND MAINTENANCE MANUAL: AT THE TIME OF FINAL INSPECTION, A MANUAL, COMPACT DISC, WEB-BASED REFERENCE OR OTHER MEDIA ACCEPTABLE TO THE ENFORCING AGENCY WHICH INCLUDES ALL OF THE FOLLOWING SHALL BE PLACED IN THE BUILDING: DIRECTIONS TO THE OWNER OR OCCUPANT THAT THE MANUAL SHALL REMAIN WITH THE BUILDING THROUGHOUT THE LIFE CYCLE OF THE

STRUCTURE

- A.
- SYSTEMS, ELECTRIC VEHICLE CHARGERS, WATER-HEATING
- DOWNSPOUTS.
- С. AIR FILTERS,
- LANDSCAPE IRRIGATION SYSTEMS. WATER REUSE SYSTEMS.
- 3. INFORMATION FROM LOCAL UTILITY, WATER AND WASTE RECOVERY PROVIDERS ON METHODS TO FURTHER REDUCE RESOURCE
- CONSUMPTION, INCLUDING RECYCLE PROGRAMS AND LOCATIONS. 4. PUBLIC TRANSPORTATION AND/OR CARPOOL OPTIONS AVAILABLE IN THE AREA.
- EDUCATIONAL MATERIAL ON THE POSITIVE IMPACTS OF AN INTERIOR RELATIVE HUMIDITY BETWEEN 30-60 PERCENT AND WHAT METHODS AN
- OCCUPANT MAY USE TO MAINTAIN THE RELATIVE HUMIDITY LEVEL IN THAT RANGE

3H VOLUME	ASME A 112,19,2/CSA B45,1 -1,28 GAL
VOLUME	ASME A 112.19.14 AND U.S. EPA WATERSENSE SPECIFICATION -1.28 GAL
	U.S. EPA WATERSENSE TANK-TYPE HIGH-EFF
	ASME A 112,19,2/CSA B45,1 -0,5 gal (1,9 L)
	ASME A 112,19,19 (VITREOUS CHINA) ANSI ZI2
	ASME A 112.18.1/CSA B125.1
ER METERING CYCLE	ASME A 112,18,1/CSA B125,1
(5.7 L/ MIN)	ASME A 112,18,1/CSA B125,1

CALCULATOR, ARE AVAILABLE AT: HTTPS://WWW.WATER.CA.GOV/

WWW.HCD.CA.GOV/CALGREEN.HTML MAY BE USED TO ASSIST IN

2. MIXED CONSTRUCTION AND DEMOLITION DEBRIS (C&D) PROCESSORS

2. OPERATION AND MAINTENANCE INSTRUCTIONS FOR THE FOLLOWING: EQUIPMENT AND APPLIANCES, INCLUDING WATER-SAVING DEVICES AND SYSTEMS, HVAC SYSTEMS, PHOTOVOLTAIC

> SYSTEMS AND OTHER MAJOR APPLIANCES AND EQUIPMENT. ROOF AND YARD DRAINAGE, INCLUDING GUTTERS AND SPACE CONDITIONING SYSTEMS, INCLUDING CONDENSERS AND

NONPOROUS

POROUS

OTHER

TANK-TYPE HIGH-EFFICIENCY TOILET ICIENCY TOILET SPECIFICATION

4.9-2004 OR IAPMO ZI24.9 (PLASTIC)

- 5. INFORMATION ABOUT WATER-CONSERVING LANDSCAPE AND IRRIGATION DESIGN AND CONTROLLERS WHICH CONSERVE WATER. 6. INSTRUCTIONS FOR MAINTAINING GUTTERS AND DOWNSPOUTS AND THE
- IMPORTANCE OF DIVERTING WATER AT LEAST 5 FEET AWAY FROM THE FOUNDATION. 7. INFORMATION ON REQUIRED ROUTINE MAINTENANCE MEASURES,
- INCLUDING, BUT NOT LIMITED TO, CAULKING, PAINTING, GRADING AROUND THE BUILDING. ETC 8. INFORMATION ABOUT STATE SOLAR ENERGY AND INCENTIVE
- PROGRAMS AVAILABLE.

9. A COPY OF ALL SPECIAL INSPECTION VERIFICATIONS REQUIRED BY THE ENFORCING AGENCY OR THIS CODE. DIVISION 4.5 - ENVIRONMENTAL QUALITY

4.501,1 SCOPE: THE PROVISIONS OF THIS CHAPTER SHALL OUTLINE MEANS OF REDUCING THE QUANTITY OF AIR CONTAMINANTS THAT ARE ODOROUS, IRRITATING AND/OR HARMFUL TO THE COMFORT AND WELL-BEING OF A BUILDING'S INSTALLERS, OCCUPANTS AND NEIGHBORS.

4,502,1 DEFINITIONS: THE FOLLOWING TERMS ARE DEFINED IN CHAPTER 2, AGRIFIBER PRODUCTS. COMPOSITE WOOD PRODUCTS,

DIRECT-VENT APPLIANCE. MAXIMUM INCREMENTAL REACTIVITY (MIR).

MOISTURE CONTENT. PRODUCT-WEIGHTED MIR (PWMIR). REACTIVE ORGANIC COMPOUND (ROC).

SECTION 4,503 FIREPLACES

4,503,1 GENERAL: ANY INSTALLED GAS FIREPLACE SHALL BE A DIRECT-VENT SEALED-COMBUSTION TYPE, ANY INSTALLED WOODSTOVE OR PELLET STOVE SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE A PERMANENT LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS, WOODSTOVES, PELLET STOVES AND FIREPLACES SHALL ALSO COMPLY WITH APPLICABLE LOCAL ORDINANCES.

SECTION 4.504 POLLUTANT CONTROL

4.504,1 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION: AT THE TIME OF ROUGH INSTALLATION DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE. PLASTIC. SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF WATER, DUST AND DEBRIS, WHICH MAY ENTER THE SYSTEM.

4,504,2 FINISH MATERIAL POLLUTANT CONTROL

TABLE 4.504, I ADHESIVE VOC LIMIT

LESS WATER AND LESS EXEMPT COMPOUNDS IN GR	AMS PER LITER
RCHITECTURAL APPLICATIONS	VOC LIMIT
IDOOR CARPET ADHESIVES	50
ARPET PAD ADHESIVES	50
UTDOOR CARPET ADHESIVES	150
OOD FLOORING ADHESIVES	100
UBBER FLOOR ADHESIVES	60
UBFLOOR ADHESIVES	50
ERAMIC TILE ADHESIVES	65
CT AND ASPHALT TILE ADHESIVES	50
RYWALL AND PANEL ADHESIVES	50
OVE BASE ADHESIVES	50
ULTIPURPOSE CONSTRUCTION ADHESIVES	70
TRUCTURAL GLAZING ADHESIVES	100
INGLE-PLY ROOF MEMBRANE ADHESIVES	250
THER ADHESIVE NOT SPECIFICALLY LISTED	50
PECIALTY APPLICATIONS	
VC WELDING	510
PVC WELDING	490
BS WELDING	325
LASTIC CEMENT WELDING	250
DHESIVE PRIMER FOR PLASTIC	550
ONTACT ADHESIVE	80
PECIAL PURPOSE CONTACT ADHESIVE	250
TRUCTURAL WOOD MEMBER ADHESIVE	140
OP AND TRIM ADHESIVE	250
UBSTRATE SPECIFIC APPLICATIONS	
ETAL TO METAL	30
LASTIC FOAMS	50
OROUS MATERIAL (EXCEPT WOOD)	50
000	30
IBERGLASS	80
TABLE 4,504,2 SEALANT VOC LIM	IT
EALANTS	VOC LIMIT
RCHITECTURAL	250
ARINE DECK	760
ONMEMBRANE ROOF	300
OADWAY	250
INGLE-PLY ROOF MEMBRANE	450
THER	420
EALANT PRIMERS	
RCHITECTURAL:	

MODIFIED BITUMINOUS 500 760 MARINE DECK 4,504,2,2 PAINTS AND COATINGS: ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS IN TABLE I OF THE ARB ARCHITECTURAL

250

775

SUGGESTED CONTROL MEASURE, AS SHOWN IN TABLE 4.504.3, UNLESS MORE STRINGENT LOCAL LIMITS APPLY, THE VOC CONTENT LIMIT FOR COATINGS THAT DO NOT MEET THE DEFINITIONS FOR THE SPECIALTY COATINGS CATEGORIES LISTED IN TABLE 4.504.3 SHALL BE DETERMINED BY CLASSIFYING THE COATING AS A FLAT, NONFLAT OR NONFLAT-HIGH GLOSS COATING, BASED ON ITS GLOSS, AS DEFINED IN SUBSECTIONS 4.21, 4.36, AND 4.37 OF THE 2007 CALIFORNIA AIR RESOURCES BOARD, SUGGESTED CONTROL MEASURE, AND THE CORRESPONDING FLAT, NONFLAT OR NONFLAT-HIGH GLOSS VOC LIMIT IN TABLE 4,504,3 SHALL APPLY.

landatory Measures		
.504.2.3 AEROSOL PAINTS AND COATINGS: AEROS HALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FO	OL PAINTS AND COATINGS	SECTION 4.505 INTERIOR MOISTURE CONTROL
4522(A)(2) AND OTHER REQUIREMENTS, INCLUDING ERTAIN TOXIC COMPOUNDS AND OTONE DEPLETING	PROHIBITIONS ON USE OF	4,505,1 GENERAL: BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF THE CALIFORNIA BUILDING STANDARDS CODE.
4522(E)(I) AND (F)(I) OF CALIFORNIA CODE OF REC OMMENCING WITH SECTION 94520. AND IN APEAC	SULATIONS, TITLE 17,	4,505,2 CONCRETE SLAB FOUNDATIONS: CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER BY THE CALLEOPHIA RULL DING CODE
HE BAY AREA AIR QUALITY MANAGEMENT DISTRIC IITH THE PERCENT VOC BY WEIGHT OF PRODUCT LI ULE 49.	MITS OF REGULATION 8,	CHAPTER 19 OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY THE CALIFORNIA RESIDENTIAL CODE, CHAPTER 5, SHALL ALSO COMPLY WITH THIS SECTION.
504.2.4 VERIFICATION: VERIFICATION OF COMPLI, HALL BE PROVIDED AT THE REQUEST OF THE ENFO	ANCE WITH THIS SECTION ORCING AGENCY.	4.505.2.1 CAPILLARY BREAK: A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING:
OCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED I. MANUFACTURER'S PRODUCT SPECIFICATIO 2. FIELD VERIFICATION OF ON-SITE PRODUCT	TO, THE FOLLOWING: N. T CONTAINERS.	I. A 4-INCH-THICK (IOI.6 MM) BASE OF 1/2 INCH (12.7 MM) OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE AND A
.504.3 CARPET SYSTEMS: ALL CARPET INSTALLED	IN THE BUILDING INTERIOR	CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING, SHRINKAGE, AND CURLING, SHALL BE USED. FOR ADDITIONAL
HALL MEET THE TESTING AND PRODUCT REQUIREMI OLLOWING: L CARPET AND RIG INSTITUTE'S GREEN LAR		INFORMATION, SEE AMERICAN CONCRETE INSTITUTE, ACI 302.2R-06. 2 ATTER FOUNTALENT METHODS ARRENVED BY THE ENFORCING
2. CALIFORNIA DEPARTMENT OF PUBLIC HEA FOR THE TESTING AND EVALUATION OF VO EMISSIONS FROM INDOOR SOURCES USING	LTH, "STANDARD METHOD OLATILE ORGANIC CHEMICAL ENVIRONMENTAL	AGENCY. 3. A SLAB DESIGN SPECIFIED BY A LICENSED DESIGN PROFESSIONAL.
CHAMBERS," VERSION I.I, FEBRUARY 2010 SPECIFICATION 01350.)	(ALSO KNOWN AS	4,505,3 MOISTURE CONTENT OF BUILDING MATERIALS: BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED, WALL AND
 NSF/ANSI 140 AT THE GOLD LEVEL. SCIENTIFIC CERTIFICATIONS SYSTEMS INDU 	OOR ADVANTAGE± GOLD.	FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19-PERCENT MOISTURE CONTENT, MOISTURE CONTENT SHALL BE
TABLE 4.504,3 VOC CONTENT LIMITS FOR ARC GRAMS OF VOC PER LITER OF COATING, LESS WATER A	CHITECTURAL COATINGS IND LESS EXEMPT COMPOUNDS	VERIFIED IN COMPLIANCE WITH THE FOLLOWING: I. MOISTURE CONTENT SHALL BE DETERMINED WITH EITHER A
COATING CATEGORY		PROBE-TYPE OR CONTACT-TYPE MOISTURE METER, EQUIVALENT MOISTURE VERIFICATION HIT HODS MAY DE AIPROVED BY THE ENEORCINE ACENCY A
-LAT COATINGS NONFLAT COATINGS	50 100	SECTION DIA OF THIS SATISFT RECUREMENTS FOUND IN
NONFLAT - HIGH GLOSS COATINGS	150	TO 4 FEET (1219 MM) FINTERWEST FRADE STAMFED END OF EACH PIECE
MECIALTY COATINGS ALUMINUM ROOF COATINGS	400	3. AT LEAST THREE AAND AN MORTHE READINGS SHALL BE PERFORMED ON WALL AND FLOOR FRAMING WITH DOCUMENTATION
BASEMENT SPECIALTY COATINGS	400	ACCEPTABLE TO THE ENFORCING AGENCY PROVIDED AT THE TIME OF APPROVAL TO ENCLOSED THE WAR DANTAFLOOR FRAMING.
BITUMINOUS KOOF COATINGS BITUMINOUS ROOF PRIMERS	350	INSULATION PRODUCTS MICH ARE VISIOLT NET OR HAVE A HIGH MOISTURE
SOND BREAKERS	350	CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES, WET-APPLIED INSULATION PRODUCTS SHALL
CONCRETE CURING COMPOUNDS	350 100	FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE,
DRIVEWAY SEALERS	50	SECTION 4,506 INDOOR AIR QUALITY AND EXHAUST
DRY FOG COATINGS FAUX FINISHING COATINGS	150 350	4,000,1 BATHROOM EXHAUST FANS: EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING:
	350	I, FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING, 2 INLESS EINCTIONING AS A COMPONENT OF A MULCIER HOUSE
	100	2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500	A. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN & RELATIVE HIMIDITY RANGE OF (EO DERCENT TO A
	420	MAXIMUM OF 80 PERCENT, A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF AD USTMENT
NDUSTRIAL MAINTENANCE COATINGS _OW SOLIDS COATINGS	250 120	B. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL (IF
MAGNESITE CEMENT COATINGS	450	BUILT-IN). NOTES:
MASTIC TEXTURE COATINGS METALLIC PIGMENTED COATINGS	100 500	FOR THE PURPOSES OF THIS SECTION, A BATHROOM IS A ROOM WHICH CONTAINS A BATHTUB, SHOWER, OR TUB/ SHOWER COMBINATION
MULTI-COLOR COATINGS	250	LIGHTING INTEGRAL TO BATHROOM EXHAUST FANS SHALL COMPLY WITH THE CALIFORNIA ENERGY CODE.
	420	SECTION 4.507 ENVIRONMENTAL COMFORT
REACTIVE PENETRATING SEALERS	350	4,507,2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN: HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THEIR
RECYCLED COATINGS	250	EQUIPMENT SELECTED USING THE FOLLOWING METHODS: I. THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO
RUST PREVENTIVE COATINGS	250	ANSI/ACCA 2 MANUAL J-2011 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR
6HELLACS: • CLEAR	730	METHODS. 2. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA I MANUAL D-2014 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR
	550 189 100	OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS. 3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO
BTAINS	250	ANSI/ACCA 5 MANUAL 5-2014 (RESIDENTIAL EQUIPMENT SELECTION) OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
	450	ENSURE THE SYSTEMS FUNCTION ARE ACCEPTABLE.
RAFFIC MARKING COATINGS	100	CH. 7 INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS
	420	CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING OR
NOOD COATINGS	250	CERTIFICATION PROGRAM, UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF
	350	A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS, EXAMPLES OF
		ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
.504.3.1 CARFEI CUSHION: ALL CARPET CUSHION IN ITERIOR SHALL MEET THE REQUIREMENTS OF THE C REEN LAREL DROCEDAM	CARPET AND RUG INSTITUTE'S	1. STATE CERTIFIED APPRENTICESHIP PROGRAMS. 2. PUBLIC UTILITY TRAINING PROGRAMS. 3. TRAINING PROCEASE CERTICIPATION OF CERTIFICATION OF CERT
504,3,2 CARPET ADHESIVE: ALL CARPET ADHESIV	VE SHALL MEET THE	5. IRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATEWIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS. 4. PROGRAMS GRONGORED BY MANUEACTURING ORGANIZATIONS.
EQUIREMENTS OF TABLE 4,504,1,		T. FROGRAMD DECIDENCED DE MANUFACTURING ORGANIZATIONS. 5. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY.
504.4 RESILIENT FLOORING SYSTEMS: WHERE RES STALLED, AT LEAST 80 PERCENT OF FLOOR ARE	A RECEIVING RESILIENT	102.2 SPECIAL INSPECTION: [HCD] WHEN REQUIRED BY THE ENFORCING AGENCY THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT
I PRODUCTS COMPLIANT WITH ONE OR MORE OF T I. PRODUCTS COMPLIANT WITH THE CALIFOR	THE FOLLOWING: NIA DEPARTMENT OF PUBLIC	SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE
VOLATILE ORGANIC CHEMICAL EMISSIONS	FROM INDOOR SOURCES	SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF
(ALSO KNOWN AS SPECIFICATION O1350), LOW-EMITTING MATERIAL IN THE COLLARS	CERTIFIED AS A CHPS DRATIVE FOR HIGH	CERTIFICATIONS OR QUALIFICATIONS ACCEPTABLE TO THE ENFORCING AGENCY
PERFORMANCE SCHOOLS (CHPS) HIGH PER DATABASE	RFORMANCE PRODUCTS	ENFORCING AGENCY WHEN EVALUATING THE QUALIFICATIONS OF A SPECIAL INSPECTOR.
2. PRODUCTS CERTIFIED UNDER UL GREENGU GREENGUARD CHILDREN & SCHOOLS PROV	ARD GOLD (FORMERLY THE GRAM)	I. CERTIFICATION BY A NATIONAL OR REGIONAL GREEN BUILDING PROGRAM OR STANDARD PUBLICHER
3. CERTIFICATION UNDER THE RESILIENT FLO (RECI) FLOORSCORF PROGRAM	OR COVERING INSTITUTE	2. CERTIFICATION BY A STATEWIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATION SUCH AS HERS RATERS RUILDING
4. MEET THE CALIFORNIA DEPARTMENT OF P METHOD FOR THE TESTING AND FVALUATION	UBLIC HEALTH, "STANDARD ON OF VOLATILE ORGANIC	PERFORMANCE CONTRACTORS, AND HOME ENERGY AUDITORS. 3. SUCCESSFUL COMPLETION OF A THIRD PARTY APPRENTICE TRAINING
CHEMICAL EMISSIONS FROM INDOOR SOUR CHAMBERS. VERSION II FEBRUARY 2010	CES USING ENVIRONMENTAL	PROGRAM IN THE APPROPRIATE TRADE. 4. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY.
SPECIFICATION O1350).		NOTES: I. SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO
.504.5 COMPOSITE WOOD PRODUCTS: HARDWOOD ND MEDIUM DENSITY FIBERBOARD COMPOSITE WO	PLYWOOD, PARTICLEBOARD OD PRODUCTS USED ON THE	FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CODE.
ITERIOR OR EXTERIOR OF THE BUILDING SHALL ME ORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXIC OMPOSITE WOOD (17 CCR 93120 ET SEQ.). BY OR F	ET THE REQUIREMENTS FOR S CONTROL MEASURE FOR BEFORE THE DATES	2. HERS RATERS ARE SPECIAL INSPECTORS CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION (CEC) TO RATE HOMES IN CALIFORNIA ACCORDING TO THE HOME ENERGY RATING SYSTEM
PECIFIED IN THOSE SECTIONS, AS SHOWN IN TABLE	: 4,504,5, E LIMITS	(HERS). [BSC-CG] WHEN REQUIRED BY THE ENFORCING AGENCY THE OWNED OD THE
IADLE 4.504.5 FORMALDEHYD MAXIMUM FORMALDEHYDE EMISSIONS IN F	ARTS PER MILLION	RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OP OTHER DUTIES
HARDWOOD PLYWOOD VENEER CORE	O.05	NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE, SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE GATIGEACTION OF THE
HARDWOOD PLYWOOD COMPOSITE CORE	0.05	ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. IN ADDITION. THE SPECIAL INSPECTOR SHALL HAVE A
	0.09	CERTIFICATION FROM A RECOGNIZED STATE, NATIONAL OR INTERNATIONAL ASSOCIATION, AS DETERMINED BY THE LOCAL AGENCY. THE AREA OF
THIN MEDIUM DENSITY FIBERBOARD2	0.13	CERTIFICATION SHALL BE CLOSELY RELATED TO THE PRIMARY JOB FUNCTION, AS DETERMINED BY THE LOCAL AGENCY.
504.5.1 DOCUMENTATION: VERIFICATION OF COMPI	LIANCE WITH THIS SECTION	NOTE: SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE
OCUMENTATION SHALL INCLUDE AT LEAST ONE OF	THE FOLLOWING:	INSPECTING FOR COMPLIANCE WITH THIS CODE. SECTION 703 VERIFICATIONS
2. CHAIN OF CUSTODY CERTIFICATIONS.		TO3. DOCUMENTATION: DOCUMENTATION USED TO SHOW COMPLIANCE WITH THIS
WOOD PRODUCTS REGULATION (SEE CCR,	TITLE 17, SECTION 93120, ET	CODE SHALL INCLUDE BUT IS NOT LIMITED TO, CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION, INSPECTION

Mandatory Measures		
4,504,2,3 AEROSOL PAINTS AND COATINGS: AEROSOL SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR	L PAINTS AND COATINGS	SECTION 4.505 INTERIOR MOISTURE CONTROL
94522(A)(2) AND OTHER REQUIREMENTS, INCLUDING PR CERTAIN TOXIC COMPOUNDS AND OTONE DEPI FING	ROHIBITIONS ON USE OF SUBSTANCES IN SECTIONS	4,505,1 GENERAL: BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF THE CALIFORNIA BUILDING STANDARDS CODE.
94522(E)(I) AND (F)(I) OF CALIFORNIA CODE OF REGUL	DER THE INCIDENTION OF	4,505,2 CONCRETE SLAB FOUNDATIONS: CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A MARCE RETARDED BY THE CALLED AND PULL CONT
THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMI RULE 49.	ADDITIONALLY COMPLY TS OF REGULATION 8,	CHAPTER 19 OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY THE CALIFORNIA RESIDENTIAL CODE, CHAPTER 5, SHALL ALSO COMPLY WITH THIS SECTION.
4,504,2,4 VERIFICATION: VERIFICATION OF COMPLIAN SHALL BE PROVIDED AT THE REQUEST OF THE ENFOR DOCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED TO MANUFACTURER'S PRODUCT SPECIFIC ATION	ACE WITH THIS SECTION CING AGENCY. 2, THE FOLLOWING:	4.505.2.1 CAPILLARY BREAK: A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING: I. A 4-INCH-THICK (101.6 MM) BASE OF 1/2 INCH (12.7 MM) OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A
2. FIELD VERIFICATION OF ON-SITE PRODUCT	CONTAINERS.	VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING,
4,504,3 CARPET SYSTEMS: ALL CARPET INSTALLED I SHALL MEET THE TESTING AND PRODUCT REQUIREMEN FOLLOWING:	N THE BUILDING INTERIOR ITS OF ONE OF THE	SHRINKAGE, AND CURLING, SHALL BE USED. FOR ADDITIONAL INFORMATION, SEE AMERICAN CONCRETE INSTITUTE, ACI 302.2R-06.
2. CALIFORNIA DEPARTMENT OF PUBLIC HEALT FOR THE TESTING AND EVALUATION OF VOL EMISSIONS FROM INDOOR SOURCES USING EI CHAMBERS," VERSION I.I. FEBRUARY 2010 (A	H, "STANDARD METHOD ATILE ORGANIC CHEMICAL NVIRONMENTAL ALSO KNOWN AS	AGENCY. 3. A SLAB DESIGN SPECIFIED BY A LICENSED DESIGN PROFESSIONAL.
SPECIFICATION O1350.) 3. NSF/ANSI 140 AT THE GOLD LEVEL.		4,505,3 MOISTURE CONTENT OF BUILDING MATERIALS: BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED, WALL AND EL OOR ERAMING GHALL NOT BE ENCLOSED WHEN THE ERAMING MEMBERS
4. SCIENTIFIC CERTIFICATIONS SYSTEMS INDOC TABLE 45043 VOC. CONTENT LIMITS FOR ARCH	DR ADVANTAGE± GOLD.	EXCEED 19-PERCENT MOISTURE CONTENT, MOISTURE CONTENT SHALL BE
GRAMS OF VOC PER LITER OF COATING, LESS WATER AND	LESS EXEMPT COMPOUNDS	I. MOISTURE CONTENT SHALL BE DETERMINED WITH EITHER A PROBE-TYPE OR CONTACT-TYPE MOISTURE METER. EQUIVALENT
		MOISTURE VERIFICATION IN THE SATISFY REQUIREMENTS FOUND IN
NONFLAT COATINGS	100	SECTION IDI,O OF THIS MOISTIRE READINGS S
NONFLAT - HIGH GLOSS COATINGS	150	TO 4 FEET (1219 MM) FINTERWEST FRADE STAMFED END OF EACH PIECE
SPECIALTY COATINGS	400	3. AT LEAST THREE A AND AN MOISTING READINGS SHALL BE
BASEMENT SPECIALTY COATINGS	400	ACCEPTABLE TO THE ENFORCING AGENCY PROVIDED AT THE TIME OF
BITUMINOUS ROOF COATINGS	50	
BOND BREAKERS	350	CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN
CONCRETE CURING COMPOUNDS	350	FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO
CONCRETE/MASONRY SEALERS		SECTION 4.506 INDOOR AIR QUALITY AND EXHAUST
Dry Fog coatings	150	4,506,1 BATHROOM EXHAUST FANS: EACH BATHROOM SHALL BE MECHANICALLY
FAUX FINISHING COATINGS	350	VENTILATED AND SHALL COMPLY WITH THE FOLLOWING: I. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO
	350	TERMINATE OUTSIDE THE BUILDING, 2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE
FLOOR COATINGS FORM-RELEASE COMPOLINDS	250	VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500	A. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT
HIGH TEMPERATURE COATINGS	420	MANUAL OF 80 PERCENT, A HUMIDITY CONTROL MAY UTILIZE
INDUSTRIAL MAINTENANCE COATINGS	250	B. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE
LON SOLIDS COATINGS MAGNESITE CEMENT COATINGS	450	EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL (I.E., BUILT-IN).
MASTIC TEXTURE COATINGS	100	NOTES: FOR THE PURPOSES OF THIS SECTION, A BATHROOM IS A ROOM WHICH
METALLIC PIGMENTED COATINGS	500	CONTAINS A BATHTUB, SHOWER, OR TUB/ SHOWER COMBINATION.
	420	THE CALIFORNIA ENERGY CODE.
PRIMERS, SEALERS, AND UNDERCOATERS	100	SECTION 4.507 ENVIRONMENTAL COMFORT
REACTIVE PENETRATING SEALERS	350	4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN: HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THEIR
RECYCLED COATINGS	250	EQUIPMENT SELECTED USING THE FOLLOWING METHODS: I. THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO
RUST PREVENTIVE COATINGS	250	ANSI/ACCA 2 MANUAL J-2011 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR
SHELLACS:		METHODS. 2. DUCT SYSTEMS ARE SIZED ACCORDING TO ANGL/ACCA I MANUAL
	730	D-2014 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR
OFAQUE	550 5 100	3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO
STAINS	250	OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
STONE CONSOLIDANTS	450	EXCEPTION: USE OF ALTERNATE DESIGN TEMPERATURES NECESSARY TO ENSURE THE SYSTEMS FUNCTION ARE ACCEPTABLE.
	340	CH. 7 INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS
	420	702,1 INSTALLER TRAINING: HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND
WATERPROOFING MEMBRANES	250	AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING OR
WOOD COATINGS	275	INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF
	350	CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS, EXAMPLES OF
		ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
4.504,5,1 CARPET CUSHION: ALL CARPET CUSHION INS INTERIOR SHALL MEET THE REQUIREMENTS OF THE CA	ALLED IN THE BUILDING RPET AND RUG INSTITUTE'S	I. STATE CERTIFIED APPRENTICESHIP PROGRAMS. 2. PUBLIC UTILITY TRAINING PROGRAMS.
GREEN LABEL PROGRAM.		3. TRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATEWIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS.
4.504,3.2 CARPET ADHESIVE: ALL CARPET ADHESIVE REQUIREMENTS OF TABLE 4,504,1,	SHALL MEET THE	4. PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS. 5. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY
4.504,4 RESILIENT FLOORING SYSTEMS: WHERE RESIL	IENT FLOORING IS	702.2 SPECIAL INSPECTION: [HCD] WHEN REQUIRED BY THE ENFORCING AGENCY
FLOORING SHALL COMPLY WITH ONE OR MORE OF TH	E FOLLOWING:	THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION
HEALTH, "STANDARD METHOD FOR THE TEST	ING AND EVALUATION OF	OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE
VOLATILE ORGANIC CHEMICAL EMISSIONS F USING ENVIRONMENTAL CHAMBERS," VERSIO	ROM INDOOR SOURCES N I.I, FEBRUARY 2010	SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. IN ADDITION TO OTHER
(ALSO KNOWN AS SPECIFICATION 01350), CE LOW-EMITTING MATERIAL IN THE COLLABOR	ERTIFIED AS A CHPS ATIVE FOR HIGH	CERTIFICATIONS OR QUALIFICATIONS ACCEPTABLE TO THE ENFORCING AGENCY
PERFORMANCE SCHOOLS (CHPS) HIGH PERFO DATABASE	ORMANCE PRODUCTS	ENFORCING AGENCY WHEN EVALUATING THE QUALIFICATIONS OF A SPECIAL INSPECTOR
2. PRODUCTS CERTIFIED UNDER UL GREENGUAR	RD GOLD (FORMERLY THE	I. CERTIFICATION BY A NATIONAL OR REGIONAL GREEN BUILDING
3. CERTIFICATION UNDER THE RESILIENT FLOOP	R COVERING INSTITUTE	2. CERTIFICATION BY A STATEWIDE ENERGY CONSULTING OR
4. MEET THE CALIFORNIA DEPARTMENT OF PUE	BLIC HEALTH, "STANDARD	PERFORMANCE CONTRACTORS, AND HOME ENERgy AUDITORS.
METHOD FOR THE TESTING AND EVALUATION CHEMICAL EMISSIONS FROM INDOOR SOURCE	N OF VOLATILE ORGANIC ES USING ENVIRONMENTAL	5. SUCCESSFUL COMPLETION OF A THIRD PARTY APPRENTICE TRAINING PROGRAM IN THE APPROPRIATE TRADE.
CHAMBERS," VERSION I.I, FEBRUARY 2010 (A SPECIFICATION 01350).	nlso known as	4. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY. NOTES:
4.504.5 COMPOSITE WOOD PRODUCTS: HARDWOOD PL	LYWOOD, PARTICLEBOARD	I. SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE
AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOT INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET	O PRODUCTS USED ON THE THE REQUIREMENTS FOR	INSPECTING FOR COMPLIANCE WITH THIS CODE. 2. HERS RATERS ARE SPECIAL INSPECTORS CERTIFIED BY THE
FORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXICS	CONTROL MEASURE FOR	CALIFORNIA ENERGY COMMISSION (CEC) TO RATE HOMES IN CALIFORNIA ACCORDING TO THE HOME ENERGY PATING SYSTEM
SPECIFIED IN THOSE SECTIONS, AS SHOWN IN TABLE 4	.504.5.	
TABLE 4,504,5 FORMALDEHYDE MAXIMUM FORMALDEHYDE EMISSIONS IN PA	LIMITS RTS PER MILLION	ESPONSIBLE 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
HARDWOOD PLYWOOD VENEER CORE	0.05	INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO
PARTICLEBOARD	0.09	BE PERFORMED. IN ADDITION, THE SPECIAL INSPECTOR SHALL HAVE A
MEDIUM DENSITY FIBERBOARD	0,11	ASSOCIATION, AS DETERMINED BY THE LOCAL AGENCY. THE AREA OF
THIN MEDIUM DENSITY FIBERBOARD2	0,13	AS DETERMINED BY THE LOCAL AGENCY.
4.504.5.1 DOCUMENTATION: VERIFICATION OF COMPLIA	ANCE WITH THIS SECTION	NOTE: SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE
DOCUMENTATION SHALL INCLUDE AT LEAST ONE OF T	HING AGENCY. HE FOLLOWING:	INSPECTING FOR COMPLIANCE WITH THIS CODE.
I. PRODUCT CERTIFICATIONS AND SPECIFICAT 2. CHAIN OF CUSTODY CERTIFICATIONS.	IONS.	703 DOCIMENTATION. DOCIMENTATION LIGED TO SHOW COMPLANCE WITH THE
3. PRODUCT LABELED AND INVOICED AS MEET WOOD PRODUCTS REGULATION (SEE CCR. TI	TING THE COMPOSITE TLE 17, SECTION 93120. ET	CODE SHALL INCLUDE BUT IS NOT LIMITED TO, CONSTRUCTION DOCUMENTS, PLANS SPECIFICATIONS BUILDER OR INSTALLED CEPTIFICATION INSPECTION

Mandatory Measures		
4.504.2.3 AEROSOL PAINTS AND COATINGS: AEROS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FO	OL PAINTS AND COATINGS OR ROC IN SECTION	SECTION 4.505 INTERIOR MOISTURE CONTROL
94522(A)(2) AND OTHER REQUIREMENTS, INCLUDING I CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING	PROHIBITIONS ON USE OF SUBSTANCES, IN SECTIONS	4.505.1 GENERAL: BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF THE CALIFORNIA BUILDING STANDARDS CODE.
94522(E)(I) AND (F)(I) OF CALIFORNIA CODE OF REG COMMENCING WITH SECTION 94520, AND IN ARFAG	NDER THE JURISDICTION OF	4,505,2 CONCRETE SLAB FOUNDATIONS: CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER BY THE CALIFORNIA BUILDING CODE
THE BAY AREA AIR QUALITY MANAGEMENT DISTRIC WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIN RULE 49.	T ADDITIONALLY COMPLY MITS OF REGULATION 8,	CHAPTER 19 OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY THE CALIFORNIA RESIDENTIAL CODE, CHAPTER 5, SHALL ALSO COMPLY WITH THIS SECTION.
4.504.2.4 VERIFICATION: VERIFICATION OF COMPLIA SHALL BE PROVIDED AT THE REQUEST OF THE ENFO DOCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED	ANCE WITH THIS SECTION RCING AGENCY. TO, THE FOLLOWING:	4.505.2.1 CAPILLARY BREAK: A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING: I. A 4-INCH-THICK (IOI.6 MM) BASE OF I/2 INCH (I2.7 MM) OR
2. FIELD VERIFICATION OF ON-SITE PRODUCT	CONTAINERS.	VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING,
4,504,3 CARPET SYSTEMS: ALL CARPET INSTALLED SHALL MEET THE TESTING AND PRODUCT REQUIREME FOLLOWING: I. CARPET AND RUG INSTITUTE'S GREEN LAB	IN THE BUILDING INTERIOR ENTS OF ONE OF THE EL PLUS PROGRAM.	SHRINKAGE, AND CURLING, SHALL BE USED. FOR ADDITIONAL INFORMATION, SEE AMERICAN CONCRETE INSTITUTE, ACI 302.2R-06. 2 OTHER FOUNDALENT METHODS APPROVED BY THE ENFORCING
2. CALIFORNIA DEPARTMENT OF PUBLIC HEA FOR THE TESTING AND EVALUATION OF VC EMISSIONS FROM INDOOR SOURCES USING CHAMBERS." VERSION I.I. FEBRUARY 2010	LTH, "STANDARD METHOD DLATILE ORGANIC CHEMICAL ENVIRONMENTAL (ALSO KNOWN AS	AGENCY. 3. A SLAB DESIGN SPECIFIED BY A LICENSED DESIGN PROFESSIONAL.
SPECIFICATION O1350.) 3. NSF/ANSI 140 AT THE GOLD LEVEL.		4,505,3 MOISTURE CONTENT OF BUILDING MATERIALS: BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED, WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS
4. SCIENTIFIC CERTIFICATIONS SYSTEMS INDO	DOR ADVANTAGE± GOLD. CHITECTURAL COATINGS	EXCEED 19-PERCENT MOISTURE CONTENT, MOISTURE CONTENT SHALL BE
GRAMS OF VOC PER LITER OF COATING, LESS WATER A	ND LESS EXEMPT COMPOUNDS	I. MOISTURE CONTENT SHALL BE DETERMINED WITH EITHER A PROBE-TYPE OR CONTACT-TYPE MOISTURE METER FOUNDALENT
		MOISTURE VERIFICATION A SATISFY REQUIREMENTS FOUND IN
NONFLAT COATINGS	100	SECTION IDI.8 OF THIS NOISTIPE PEADINGS S
NONFLAT - HIGH GLOSS COATINGS	150	TO 4 FEET (1219 M) FINTERWEST RADE STAMFED END OF EACH PIECE
	400	3. AT LEAST THREE AAN DI MOBULE CADINGS SHALL BE
BASEMENT SPECIALTY COATINGS	400	ACCEPTABLE TO THE ENFORCING AGENCY PROVIDED AT THE TIME OF
BITUMINOUS ROOF COATINGS	50	APPROVAL TO ENGLIGHED THE TARK FRAMING.
BITUMINOUS ROOF PRIMERS BOND BREAKERS	350 350	CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN
CONCRETE CURING COMPOUNDS	350	FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO
CONCRETE/MASONRY SEALERS	100	SECTION 4506 INDOOR AIR OHALITY AND EVHALIST
DRIVEWAY SEALERS	50	4,506,1 BATHROOM EXHAUST FANS: EACH BATHROOM SHALL BE MECHANICALLY
FAUX FINISHING COATINGS	350	VENTILATED AND SHALL COMPLY WITH THE FOLLOWING: I, FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO
	350	TERMINATE OUTSIDE THE BUILDING. 2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE
FLOOR COATINGS	250	VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500	A. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF < 50 PERCENT TO A
	420	MAXIMUM OF 80 PERCENT, A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF AD USTMENT
INDUSTRIAL MAINTENANCE COATINGS	250 20	B. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE
MAGNESITE CEMENT COATINGS	450	BUILT-IN).
MASTIC TEXTURE COATINGS	100	NOTES: FOR THE PURPOSES OF THIS SECTION, A BATHROOM IS A ROOM WHICH
METALLIC PIGMENTED COATINGS MULTI-COLOR COATINGS	500 250	CONTAINS A BATHTUB, SHOMER, OR TUB/ SHOMER COMBINATION. LIGHTING INTEGRAL TO BATHROOM EXHAUST FANS SHALL COMPLY WITH
PRE-TREATMENT WASH PRIMERS	420	
PRIMERS, SEALERS, AND UNDERCOATERS	100	4,507,2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN: HEATING AND
REACTIVE PENETRATING SEALERS	350 250	AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THEIR EQUIPMENT SELECTED USING THE FOLLOWING METHODS:
ROOF COATINGS	50	I. THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUAL J-2011 (RESIDENTIAL LOAD CALCULATION)
RUST PREVENTIVE COATINGS	250	ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
SHELLACS: • CLEAR • OPAQUE	730 550	2. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA I MANUAL D-2014 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
SPECIALITY PRIMERS, SEALERS, AND UNDERCOATER	25 100	3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL 5-2014 (RESIDENTIAL EQUIPMENT SELECTION)
STAINS	250	OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS. EXCEPTION: USE OF ALTERNATE DESIGN TEMPERATURES NECESSARY TO
	450	ENSURE THE SYSTEMS FUNCTION ARE ACCEPTABLE.
Smimming Pool Coatings Traffic Marking Coatings	100	CH. 7 INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS
TUB AND TILE REFINISH COATINGS	420	CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS
WATERPROOFING MEMBRANES	250	AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOORDIZED TRAINING OR CERTIFICATION PROGRAM, UNCERTIFIED PERSONS MAY PERFORM HVAC
WOOD COATINGS WOOD PRESERVATIVES	350	A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR
ZINC-RICH PRIMERS	340	ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUDE BUT
4.504.3.1 CARPET CUSHION: ALL CARPET CUSHION IN INTERIOR SHALL MEET THE REQUIREMENTS OF THE C	STALLED IN THE BUILDING ARPET AND RUG INSTITUTE'S	 STATE CERTIFIED APPRENTICESHIP PROGRAMS. PUBLIC UTILITY TRAINING PROGRAMS.
GREEN LADEL PROGRAM. 4.504.3.2 CARPET ADHESIVE: ALL CARPET ADHESIN	/E SHALL MEET THE	 I KAINING MKOGRAMS SPONSORED BY TRADE, LABOR OR STATEWIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS. PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS.
4.504,4 RESILIENT FLOORING SYSTEMS: WHERE RES	LIENT FLOORING IS	5. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY. 702,2 SPECIAL INSPECTION: [HCD] WHEN REQUIRED BY THE ENFORCING AGENCY
INSTALLED, AT LEAST 80 PERCENT OF FLOOR AREA FLOORING SHALL COMPLY WITH ONE OR MORE OF T	RECEIVING RESILIENT	THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION
I. PRODUCTS COMPLIANT WITH THE CALIFOR HEALTH, "STANDARD METHOD FOR THE TE	NIA DEPARTMENT OF PUBLIC STING AND EVALUATION OF	OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE SPECIAL INSPECTORS SHALL DEMONSTRATE COMPLETENCE TO THE
VOLATILE ORGANIC CHEMICAL EMISSIONS USING ENVIRONMENTAL CHAMBERS." VERSI	FROM INDOOR SOURCES ON I.I., FEBRUARY 2010	SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF
(ALSO KNOWN AS SPECIFICATION 01350), (LOW-EMITTING MATERIAL IN THE COLLABO PERFORMANCE SCHOOLS (CHPS) HIGH PER	CERTIFIED AS A CHPS RATIVE FOR HIGH FORMANCE PRODUCTS	CERTIFICATIONS OR QUALIFICATIONS ACCEPTABLE TO THE ENFORCING AGENCY THE FOLLOWING CERTIFICATIONS OR EDUCATION MAY BE CONSIDERED BY THE ENFORCING AGENCY WHEN EVALUATING THE QUALIFICATIONS OF A SPECIAL
DATABASE. 2. PRODUCTS CERTIFIED UNDER UL GREENGU/	ARD GOLD (FORMERLY THE	INSPECTOR: I. CERTIFICATION BY A NATIONAL OR REGIONAL GREEN BUILDING
GREENGUARD CHILDREN & SCHOOLS PROG 3. CERTIFICATION UNDER THE RESILIENT FLOO	GRAM). OR COVERING INSTITUTE	PROGRAM OR STANDARD PUBLISHER. 2. CERTIFICATION BY A STATEWIDE ENERGY CONSULTING OR
(RFCI) FLOORSCORE PROGRAM. 4. MEET THE CALIFORNIA DEPARTMENT OF P	JBLIC HEALTH. "STANDARD	VERIFICATION ORGANIZATION, SUCH AS HERS RATERS, BUILDING PERFORMANCE CONTRACTORS. AND HOME ENERGY AUDITORS
METHOD FOR THE TESTING AND EVALUATION CHEMICAL EMISSIONS FROM INDOOR SOUR	ON OF VOLATILE ORGANIC CES USING ENVIRONMENTAL	3. SUCCESSFUL COMPLETION OF A THIRD PARTY APPRENTICE TRAINING PROGRAM IN THE APPROPRIATE TRADE.
CHAMBERS," VERSION I.I, FEBRUARY 2010 SPECIFICATION 01350)	(ALSO KNOWN AS	4. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY. NOTES:
4,504,5 COMPOSITE WOOD PRODUCTS: HARDWOOD	PLYWOOD, PARTICLEBOARD	I. SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE
AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOO INTERIOR OR EXTERIOR OF THE BUILDING SHALL ME	OD PRODUCTS USED ON THE ET THE REQUIREMENTS FOR	INSPECTING FOR COMPLIANCE WITH THIS CODE. 2. HERS RATERS ARE SPECIAL INSPECTORS CERTIFIED BY THE
FORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXIC COMPOSITE WOOD (17 CCR 93120 ET SEQ.), BY OR E	S CONTROL MEASURE FOR DEFORE THE DATES	CALIFORNIA ENERGY COMMISSION (CEC) TO RATE HOMES IN CALIFORNIA ACCORDING TO THE HOME ENERGY RATING SYSTEM
SPECIFIED IN THOSE SECTIONS, AS SHOWN IN TABLE	4,504,5, = MITS	(HERS). [BSC-CG] WHEN REQUIRED BY THE ENFORCING AGENCY THE OWNER OR THE
MAXIMUM FORMALDEHYDE EMISSIONS IN P		RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES
HARDWOOD PLYWOOD VENEER CORE	CURRENT LIMIT	NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE, SPECIAL
HARDWOOD PLYWOOD COMPOSITE CORE	0.05	ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO
PARTICLEBOARD	0.09	CERTIFICATION FROM A RECOGNIZED STATE, NATIONAL OR INTERNATIONAL
MEDIUM DENSITY FIBERBOARD	0,11	ASSOCIATION, AS DETERMINED BY THE LOCAL AGENCY. THE AREA OF CERTIFICATION SHALL BE CLOSELY RELATED TO THE PRIMARY JOB FUNCTION,
		AD DETERMINED BY THE LOCAL AGENCY. NOTE: SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO
SHALL BE PROVIDED AS REQUESTED BY THE ENFOR	CING AGENCY, THE EQUI AMING	FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CODE.
I, PRODUCT CERTIFICATIONS AND SPECIFICA	TIONS.	SECTION 703 VERIFICATIONS
2. CHAIR OF CUSTOD'T CERTIFICATIONS. 3. PRODUCT LABELED AND INVOICED AS MEI WOOD PRODUCTS RESULTATION (SEE 200)		703.1 DOCUMENTATION: DOCUMENTATION USED TO SHOW COMPLIANCE WITH THIS CODE SHALL INCLUDE BUT IS NOT LIMITED TO, CONSTRUCTION DOCUMENTS,
MUUN FRONULIS REGULATION (SEE CCR,	111LE 11, DEC 110N 93120, ET	PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION. INSPECTION

EXTERIOR GRADE PRODUCTS MARKED AS MEETING THE PS-I OR PS-2 STANDARDS OF THE ENGINEERED WOOD ASSOCIATION, THE AUSTRALIAN AS/NZS 2269, EUROPEAN 636 35, AND CANADIAN CSA

OI2I, CSA OI5I, CSA OI53 AND CSA O325 STANDARDS. OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY

REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH DEMONSTRATE SUBSTANTIAL CONFORMANCE, WHEN SPECIFIC DOCUMENTATION OR SPECIAL INSPECTION IS NECESSARY TO VERIFY COMPLIANCE, THAT METHOD OF COMPLIANCE WILL BE SPECIFIED IN THE APPROPRIATE SECTION OR IDENTIFIED IN THE APPLICATION CHECKLIST.

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PPROVED BY G INSPECTIC COLLOWING: e accepted for requirement Law and the antee, Califor rking of tions SHALL I ove the vio State, Fed ins. Fornia Build roved 0 viewer: BI B-RNW-2: proved	THE CITY OF THE CITY OF N DIVISION r construction ts of the G e building law rnia. The sta these pla NOT be held to plation of a eral Laws of and Standard 3/06/2024 Division 3-0006 REV	SANTEE SUBJECT n subject California vs of the mping or ns and to permit iny City, or other d Codes	-
ER KOI C-20 PEN 1 PEN 1 SHEE	ARCAN CR JGH 6497 1-30-25 CALIFO CALIFO TET: CG	NS .1	
	PROVED BY GINSPECTIC G	PROVED BY THE CITY OF COLOWING: COLO	ACT NO. 2016-03 KB HOME HERN CALIFORNIA COUNTY / SAN DIEC MIRA MESA BLVD. DIEGO, CA 92131 949-790-9100 949-790-9119 ATE: 09/11/2023 TNO.: 405998 MGR.: J.C. NS: 10/05/2023 CHECK COMMENTS DO/DZ 203 - V.P.B.S. FROVED BY THE CITY OF SAMTEE G MARCE STORE STORE COUNTY / SAN DIEC COUNTY

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C.R.C. R337 MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE

SECTION R337.5 <u>ROOFING</u>

R337.5.1 General. Roofs shall comply with the requirements of Sections R337 and R902. Roofs shall have a roofing assembly installed in accordance with its listing and the manufacturer's installation instructions. Refer notes on exterior elevations

R337.5.2 Roof coverings. Where the roof profile allows a space between the roof covering and roof decking, the spaces shall be constructed to prevent the intrusion of flames and embers, be firestopped with approved materials or have one layer of minimum 72 pound mineral-surfaced nonperforated cap sheet complying with ASTM D 3909 installed over the combustible decking. Refer to Details 5, 6 \$ 8 on Sheet ADI

R337.5.3 Roof valleys. Where valley flashing is installed, the flashing shall be not less than 0.019-inch No. 26 gage galvanized sheet corrosion-resistant metal installed over not less than one layer of minimum 72-pound mineral-surfaced nonperforated cap sheet complying with ASTM D 3909, at least 36-inch-wide running the full length of the valley. Refer to Detail 2/ADI

R337.5.4 Roof autters. Roof gutters shall be provided with the means to prevent the accumulation of leaves and debris in the gutter Refer notes on exterior elevations

SECTION R337.6 VENTS

R337.6.1 General. Where provided, ventilation openings for enclosed attics, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters, and underfloor ventilation shall be in accordance with Section 1202 of the California Building Code and Sections R337.6.1 through R337.6.2 of this section to resist building ignition from the intrusion of burning embers and flame through the ventilation openings. Refer notes on exterior elevations

R337.6.2 Requirements. Ventilation openings shall be fully covered with Wildfire Flame and Ember Resistant vents approved and listed by the California State Fire Marshal, or WUI vents tested to ASTM E2886 and listed, by complying with all of the following requirements:

- . There shall be no flaming ignition of the cotton material during the Ember Intrusion Test. Refer notes on exterior elevations
- 2. There shall be no flaming ignition during the Integrity Test portion of the Flame Intrusion Test. Refer notes on exterior elevations
- 3. The maximum temperature of the unexposed side of the vent shall not exceed 6621/2F (3501/2C). Refer notes on exterior elevations

R337.6.2.1 Off ridge and ridge vents. Vents that are installed on a sloped roof, such as dormer vents, shall comply with all the following:

- I. Vents shall be covered with a mesh where the dimensions of the mesh therein shall be a minimum of 1/16 inch (1.6 mm) and shall not exceed 1/8 inch (3.2 mm) in diameter.
- 2. The mesh material shall be noncombustible.
- 3. The mesh material shall be corrosion resistant.

SECTION R337.7 EXTERIOR COVERING

R337.7.1 Scope. The provisions of this section shall govern the materials and construction methods used to resist building ignition and/or safeguard against the intrusion of flames resulting from small ember and short-term direct flame contact exposure.

R337.7.2 General. The following exterior covering materials and/or assemblies shall comply with this section:

- . Exterior wall coverings Refer to exterior elevations
- 2. Exterior wall assemblies Refer to exterior elevations
- 3. Exterior exposed underside of roof eave overhangs Refer to exterior elevations
- 4. Exterior exposed underside of roof eave soffits Refer to exterior elevations
- 5. Exposed underside of exterior porch ceilings Refer to exterior elevations
- 6. Exterior exposed underside of floor projections Refer to exterior
- elevations 7. Exterior underfloor areas **n/a**
- Exceptions:
- . Exterior wall architectural trim, embellishments, fascias, and qutters
- 2. Roof or wall top cornice projections and similar assemblies
- 3. Deck walking surfaces shall comply with Section R337.9 only

R337.7.3. Exterior walls coverings. The exterior wall covering shall comply with one or more of the following requirements, except as permitted for exterior wall assemblies complying with Section R337.7.4:

- Noncombustible material **n/a**
- 2. Ignition-resistant material **Refer to exterior elevations** 3. Fire-retardant-treated wood. n/a

Exceptions: Any of the following shall be deemed to meet the assembly performance criteria and intent of this section:

- I. One layer of 5/8-inch Type X gypsum sheathing applied behind the exterior covering or cladding on the exterior side of the framing. 2. The exterior portion of a I-hour fire resistive exterior wall assembly
- designed for exterior fire exposure including assemblies using the aupsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual.

R337.7.3.1 Extent of exterior wall covering. Exterior wall coverings shall extend from the top of the foundation to the roof, and terminate at 2 inch (50.8 mm) nominal solid wood blocking between rafters at all roof overhangs, or in the case of enclosed eaves, terminate at the enclosure.

- I. Noncombustible material **n/a**
- 2. Ignition-resistant material **Refer to Details 5/ADI & I7/ADI** 3. Fire-retardant-treated wood n/a

- 6. The exterior portion of a I-hour fire resistive exterior wall assembly applied to the underside of the roof deck designed for exterior fire exposure including assemblies using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual n/a

Exceptions: The following materials do not require protection: I. Fascia and other architectural trim boards

R337.7.6 Enclosed roof eaves and roof eave soffits. The exposed underside of enclosed roof eaves having either a boxed-in roof eave soffit with a horizontal underside, or sloping rafter tails with an exterior covering applied to the underside of the rafter tails, shall be protected by one or more of the following:

- 3. Fire-retardant-treated wood **n/a**
- 5. One layer of 5/8-inch Type X gypsum sheathing applied behind an exterior covering on the underside of the rafter tails or soffit n/a 6. The exterior portion of a 1-hour fire resistive exterior wall assembly applied to the underside of the rafter tails or soffit including assemblies
- meet the performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3 or ASTM E2957 n/a 8. Boxed-in roof eave soffit assemblies with a horizontal underside that
- meet the performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3 n/a

- I. Noncombustible material **n/a**
- 2. Ignition-resistant material Refer to exterior elevations
- 3. Fire-retardant-treated wood n/a 4. Materials approved for not less than I-hour fire-resistance-rated

- using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual n/a 7. Porch ceiling assemblies with a horizontal underside that meet the

- I. Noncombustible material **n/a**
- 3. Fire-retardant-treated wood n/a

- applied to the underside of the floor projection including assemblies using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual n/a
- set forth in ASTM E2957. n/a
- 12-7A-3, n/a

Exception: Architectural trim boards do not require protection.

R337.7.5 Open roof eaves. The exposed roof deck on the underside of unenclosed roof eaves shall consist of one of the following:

- 4. Materials approved for not less than I-hour fire-resistance-rated construction on the exterior side n/a
- 5. One layer of 5/8-inch Type X gypsum sheathing applied behind an exterior covering on the underside exterior of the roof deck n/a

- I. Noncombustible material **n/a**
- 2. Ignition-resistant material n/a
- 4. Materials approved for not less than 1-hour fire-resistance-rated construction on the exterior side n/a
- using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual n/a 7. Boxed-in roof eave soffit assemblies with a horizontal underside that
- Exceptions: The following materials do not require protection: I. Fascia and other architectural trim boards
- R337.7.7 Exterior porch ceilings. The exposed underside of exterior porch ceilings shall be protected by one or more of the following:
- construction on the exterior side n/a 5. One layer of 5/8-inch Type X gypsum sheathing applied behind the
- exterior covering on the underside of the ceiling n/a 6. The exterior portion of a I-hour fire resistive exterior wall assembly applied to the underside of the ceiling assembly including assemblies
- performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3 n/a
- 8. Porch ceiling assemblies with a horizontal underside that meet the performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3. n/a

Exception: Architectural trim boards do not require protection.

- R337.7.8 Floor projections. The exposed underside of a cantilevered floor projection where a floor assembly extends over an exterior wall shall be protected by one of the following:
- 2. Ignition-resistant material Refer to exterior elevations
- 4. Materials approved for not less than I-hour fire-resistance-rated construction on the exterior side n/a
- 5. One layer of 5/8-inch Type X gypsum sheathing applied behind an
- exterior covering on the underside of the floor projection n/a 6. The exterior portion of a I-hour fire resistive exterior wall assembly
- 7. The underside of a floor assembly that meets the performance criteria in Section R337.7.11 when tested in accordance with the test procedures
- 8. The underside of a floor assembly that meets the performance criteria in accordance with the test procedures set forth in SFM Standard

R337.7.9. Underfloor protection. The underfloor area of elevated or overhanging buildings shall be enclosed to grade in accordance with the requirements of this chapter or the underside of the exposed underfloor shall consist of one or more of the following:

- I. Noncombustible material **n/a**
- 2. Ignition-resistant material n/a
- 3. Fire-retardant-treated wood n/a
- 4. Materials approved for not less than I-hour fire-resistance-rated construction on the exterior side n/a
- 5. One layer of 5/8-inch Type X gypsum sheathing applied behind an exterior covering on the underside of the floor projection n/a
- 6. The exterior portion of a I-hour fire resistive exterior wall assembly applied to the underside of the floor including assemblies using the aupsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual n/a
- 7. The underside of a floor assembly that meets the performance criteria in Section R337.7.11 when tested in accordance with the test procedures set forth in ASTM E2957. n/a
- 8. The underside of a floor assembly that meets the performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3, **n/a**

Exception: Structural columns and beams do not require protection when they are constructed with sawn lumber or qlue laminated wood with the smallest minimum nominal dimension of 4 inches (102 mm). Sawn or glue-laminated planks shall be splined, tongue-and-grove, or set close together and well spiked.

R337.7.10 Underside of appendages. When required by the enforcing agency the underside of overhanging appendages shall be enclosed to grade in accordance with the requirements of this chapter or the underside of the exposed underfloor shall consist of one of the following:

- I. Noncombustible material **n/a**
- 2. Ignition-resistant material n/a
- 3. Fire-retardant-treated wood n/a
- 4. Materials approved for not less than I-hour fire-resistance-rated construction on the exterior side n/a
- 5. One layer of 5/8-inch Type X gypsum sheathing applied behind an exterior covering on the underside of the floor projection n/a
- 6. The exterior portion of a I-hour fire resistive exterior wall assembly applied to the underside of the floor including assemblies using the gypsum panel and sheathing products listed in the Gypsum Association Fire Resistance Design Manual n/a
- 7. The underside of an appendage assembly that meets the performance criteria in Section R337.7.11 when tested in accordance with the test procedures set forth in ASTM E2957. n/a
- 8. The underside of an appendage assembly that meets the performance criteria in accordance with the test procedures set forth in SFM Standard 12-7A-3. **n/a**

Exception: Structural columns and beams do not require protection when they are constructed with sawn lumber or glue laminated wood with the smallest minimum nominal dimension of 4 inches (102 mm). Sawn or glue-laminated planks shall be splined, tongue-and-grove, or set close together and well spiked.

SECTION R337.8

EXTERIOR WINDOWS AND DOORS

R337.8.1 General.

R337.8.2 Exterior glazing. The following exterior glazing materials and/or assemblies shall comply with this section:

- I. Exterior windows **Refer to fenestration notes on floor plans**
- 2. Exterior glazed doors Refer to fenestration notes on floor plans
- 3. Glazed openings within exterior doors n/a
- 4. Glazed openings within exterior garage doors n/a
- 5. Exterior structural glass veneer n/a

R337.8.2.1 Exterior windows and exterior glazed door assembly requirements. Exterior windows and exterior glazed door assemblies shall comply with one of the following requirements:

- I. Be constructed of multilane glazing with a minimum of one tempered pane meeting the requirements of Section R308 Safety Glazing, or Refer to fenestration notes on floor plans
- 2. Be constructed of glass block units, or n/a 3. Have a fire-resistance rating of not less than 20 minutes when tested
- according to NFPA 257, or n/a 4. Be tested to meet the performance requirements of SFM Standard 12-7A-2, **n/a**

R337.8.2.3 Structural glass veneer. The wall assembly behind structural glass veneer shall comply with Section R337.7.3 Exterior walls. n/a

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R337.8.3 Exterior doors. Exterior doors shall comply with one of the following:
 The exterior surface or cladding shall be of noncombustible or ignition-resistant material, or n/a Shall be constructed of solid core wood that comply with the following requirements: Refer to general plan notes on floor plans Stiles and rails shall not be less than I-3/8 inches thick Raised panels shall not be less than I-1/4 inches thick, except for the exterior perimeter of the raised panel that may taper to a tongue not less than 3/8 inch thick. Shall have a fire-resistance rating of not less than 20 minutes when tested according to NFPA 252. n/a Shall be tested to meet the performance requirements of Section R337.7.3.1 when tested in accordance with ASTM E2707. n/a Shall be tested to meet the performance requirements of SFM Standard I2-7A-1. n/a
R337.8.3.1 Exterior door glazing. Glazing in exterior doors shall comply with Section R337.8.2.1.
 2337.8.4 Garage door perineter gap that is garage doors shall resist the intrusion of embers from entering of doors, from exceeding 1/8 nch. Gaps between doors and door on the following methods: 1. Weather stripping products made products made products doors. (a) have been tested for tensile strength in accordance with A3/95/2923 8:26:23 AM 2. Door overlaps onto jambs and headers. 3. Garage door jambs and headers covered with metal flashing.
Refer to Floor Plan Notes (keynote '64') on floor plan sheets

SECTION R337.9

DECKING

R337.9.1 General. The walking surface material of decks, porches, balconies and stairs shall comply with the requirements of this section. noted - see below

R337.9.2 Where required. The walking surface material of decks, porches, balconies and stairs shall comply with the requirements of this section when any portion of such surface is within 10 feet (3048 mm) of the building. noted - see below

R337.9.3 Decking surfaces. The walking surface material of decks, porches, balconies and stairs shall be constructed with one of the following materials Decks to be finished with Polycoat Deck Covering System (ESR-2785)

- I. Material that complies with the performance requirements of Section R337.9.4 when tested in accordance with both ASTM E2632 and ASTM E2726
- 2. Ignition-resistant material that complies with the performance
- requirements of Section R337.9.4 3. Material that complies with the performance requirements of both SFM Standard 12-7A-4 and Section R337.4.3
- 4. Exterior fire retardant treated wood
- 5. Noncombustible material
- 6. Any material that complies with the performance requirements of SFM Standard 12-7A-4A when attached exterior wall covering is also either noncombustible or ignition-resistant material

Exception: Wall material may be of any material that otherwise complies with this chapter when the decking surface material complies with the performance requirements ASTM E 84 with a Class B flame spread index.

SECTION R337.10

ACCESSORY BUILDING AND MISCELLANEOUS STRUCTURES

R337.10.1 General. Group U occupancy accessory buildings and miscellaneous structures that have the potential to pose a significant exterior fire exposure hazard during wildfires shall be constructed to conform to the ignition-resistance requirements of this section. n/a

R337.10.2 Applicability. Unless otherwise addressed by the exceptions of Section R337.1.3, the provisions of this section shall apply to buildings accessory to an applicable building on the same lot. This section shall also apply to attached and detached miscellaneous structures that require a building permit, including but not limited to; trellises, arbors, patio covers, gazebos and similar structures. n/a

Exceptions:

- I. Decks shall comply with the requirements of Section R337.9.
- 2. Awnings and canopies shall comply with the requirements of Section 3105 of the California Building Code.
- 3. Exterior wall architectural trim, embellishments and fascia.

R337.10.3 Where required. Accessory structures shall comply with the requirements of this section. **n/a**

R337.10.3.1 Attached accessory structures shall comply with the requirements of this section. **n/a**

R337.10.3.2 When required by the enforcing agency, detached accessory structures within 50 feet of an applicable building shall comply with the requirements of this section. n/a

R337.10.4. Roof Construction. When required by the enforcing agency accessory structures shall be constructed of noncombustible or ignition-resistant materials. n/a



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	5 TESTING	15 REQUIRED		
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49'-0"

2x6 FULL HEIGHT STUD WALL

I HOUR RATED WALL

2x6 STUD WALL BELOW OR HIDDEN

2x6 PARTIAL HEIGHT STUD WALL - HEIGHT AS NOTED

FLOOR PLAN 'A

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")



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Double Doors

3-Panel Sliding Door SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

12'-8<u>1</u>"

<u>KITCHEN</u>

9'-0"

20

9080 3-PANEL SLIDING

DOOR (TEMP.)

(AD3)

<u>GREAT</u> <u>ROOM</u>

AT GREAT ROOM





Shower I.L.O. Tub Door AT BATH 2 FLOOR PLAN OPTIONS

AT FLEX

AT PRIMARY BATH





AT GARAGE

. FLOOR PLAN NOTES 36" DOUBLE SINK STD. GARBAGE DISPOSAL - VERIFY MFR. SPEC'S DISHWASHER - PROVIDE SURFACE MOUNT AIR GAP - VERIFY MFR. SPEC'S 30" FREE-STANDING RANGE/OVEN COMBINATION 3a. 30" HOOD W/ LIGHT & FAN (VENT TO OUTSIDE AIR) 4. 30" COOKTOP WITH 30" SINGLE OVEN BLW. 4a. 30" MICROWAVE / VENTED HOOD COMBINATION 5. 39" CLEAR REFRIGERATOR SPACE 5a. FAUX CABINET PANEL 6. OVEN CABINET W/ MICROWAVE ABOVE AND 33" SINGLE OVEN BELOW HOME BASE CABINETS - REFER TO INTERIOR ELEVATIONS UPPER CABINETS - REFER TO INTERIOR ELEVATIONS BREAKFAST BAR - SEE INTERIOR ELEVATIONS ISLAND CABINET - REFER TO INTERIOR ELEVATIONS 24"x30" CLEARANCE REQUIRED FOR WATER CLOSET FIBERGLASS TUB/SHOWER COMBINATION W/ GLUED WASTE AND VENT SYSTEM AND 12" H. TEXTURED WALLS - VERIFY MFR. SPEC'S FIBERGLASS RECTANGULAR TUB AND SEPARATE SHOWER (102"X42") W/ GLUED WASTE AND VENT SYSTEM, VERIFY DIMENSIONS WITH MFG'S SPEC'S. SHOWER TO PROVIDE 30" MINIMUM CLEAR SPACE. SHOWER SHALL HAVE A MINIMUM FINISHED INTERIOR OF 1024 SQUARE INCHES. SHOWER DOOR SHALL HAVE A 22" MINIMUM UNOBSTRUCTED OPENING FOR EGRESS. FIBERGLASS SHOWER WITH 12" H. TEXTURED WALLS - YERIFY MFR. SPEC'S 15. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE W/ TOWEL BAR TOWEL BAR / RING - PROVIDE 2X SOLID BACKING AND INSTALL +48" A.F.F. RECESSED MEDICINE CABINET (MIRRORED) 18. TOILET PAPER HOLDER - PROVIDE 2X SOLID BACKING AND INSTALL +24" A.F.F. 19. 144"x36" CONCRETE STOOP, U.N.O. - SLOPE MIN. 1/4" PER FOOT 20. 36" SQUARE CONCRETE STOOP U.N.O. - SLOPE MIN. 1/4" PER FOOT 21. PEDESTAL LAVATORY PROVIDE WATE OF THE FOR WASHER (JASHER CONTROL VALVES) Prospect (RECESSED IN DRYER VENT ((2) 90' ELBOW 2 FEET PER ELINTERWEST Gardens PROVIDA "GMUTY PAN" WITH DRAIN BELOW AT WASHER OR WATER HEATER 6 NOTED DN PLANS REFER TO DETAIL 206/ADII LAUNDRY SINK VERIFY DIMENSIONS WITH 1 ANUFACTURER SPEC'S TRACT NO. 2016-03 HYBRID WATER HEATER - LOCATE ON A 12" PLATFORM. PROVIDE SEISMIC BRACING AND GRAM PAN WITH FYO DRAIN TO EXTERIOR - DETAIL 113/AD6 KB HOME PROVIDE TEMPERATURE & PRESSURE RELIEF VALVE AT WATER HEATER -DRAIN TO EXTERIOR (MAX. 24" & MIN. 6" ABY. GRADE POINT END DOWN) SOUTHERN CALIFORNIA 29. 3" DIA. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT ORANGE COUNTY / SAN DIEGO INTO CONCRETE - SEE DETAIL 120/AD6 30. F.A.U. IN ATTIC - REFER TO UTILITY PLAN AND DETAIL 112/AD6 31. DUCT CHASE - REFER TO MECH. PLAN 9915 MIRA MESA BLVD. 32. RETURN AIR GRILL (R.A.G.) - REFER TO MECHANICAL PLAN 33. 30"x30" (NO LESS THAN 22"x30") ATTIC ACCESS - DETAIL 114/AD6 SAN DIEGO, CA 92131 34. COATS WITH SHELF & POLE - DETAIL 104/AD6 949-790-9100 35. LINEN - WITH SHELF - REFER TO SPEC. FOR MAT'L & QTY. 36. PANTRY - WITH SHELF - REFER TO SPEC. FOR MAT'L & QTY. 949-790-9119 31. SHELF-REFER TO SPEC. FOR MAT'L & QTY. 38. WARDROBE W/ SHELF & POLE - REFER TO SPEC. FOR MAT'L & QTY. 39. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT 40. 2X6 WALL 41. DOUBLE 2X4 WALL 42. LOW WALL - REFER TO PLAN FOR HEIGHT 43. CRIPPLE WALL BELOW 44. EXTERIOR LOW WALL - SLOPE TO DRAIN: I" PER FOOT 45. STUCCO POTSHELF - SLOPE TO DRAIN: I" PER FOOT - SEE DETAIL 31/AD2 46. LOCATION OF PLUMBING WASTE DROP FROM ABOVE 41. FLAT STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT 2 2 2 2 2 2 48. ARCHED STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT 49. STUCCO CEILING PER - REFER TO ELEVATIONS 50. OPEN TO ROOF SHEATHING ABOVE - PROVIDE LATERAL CROSS BRACING 51. IHP 33" ELECTRIC FIREPLACE, TESTED IN ACCORDANCE WITHWITH UL 2021 AND C6A C22.2 NO. 46-MI98 STANDARDS FOR FIXED AND LOCATION DEDICATED 8 8 8 8 8 ISSUE DATE: 09/11/2023 ELECTRIC ROOM HEATERS. - SEE DETAIL 60/AD3 52. RESERVED 405999 PROJECT No.: 53. HEARTH - REFER TO SPEC. LIST FOR SIZE AND MAT'L. J.C. **DIVISION MGR.:** 54. FIREPLACE VENT 55. VENT TO OUTSIDE AIR REVISIONS: 10/05/2023 56. TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING 57a. MEDIA - SEE INTERIOR ELEVATIONS ∧ PLAN CHECK COMMENTS 576. MEDIA - DESIGN BY OTHERS 1 10/05/2023 - V.P.B.S. 58. IS RISERS AT 8' PLATE, 16 RISERS AT 3' PLATE - REFER TO DETAILS 101 4 102/AD6 59. GUARD WALL +42" U.N.O. - DETAIL 108/AD6 MODEL WALK REVISIONS /2 01/31/2024 60. 34" (38" MAX.) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4, OR MORE RISERS - DTL. 103/AD6 61. WOOD BALUSTERS @ 4" O.C. W/ HARDWOOD CAP ON 3" HIGH GYPSUM BOARD PONY WALL - REFER TO DETAIL 106/AD6 62. 14" X 6" G.I. SCREENED AND LOUVERED EXHAUST VENT -LOCATE ABOVE GARAGE CURB HEIGHT & OUT OF SHEAR WALL(S) CAS Santee 63. COMBUSTION AIR VENT 64. 16070 SECTIONAL GARAGE DOOR 65. 8070 SECTIONAL GARAGE DOOR LANS APPROVED BY THE CITY OF SANTEI 66. 1/2" GYPSUM BOARD ON CEILING AND WALLS AT USABLE SPACE UNDER STAIRS. BUILDING INSPECTION DIVISION SUBJECT 61. THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC TO THE FOLLOWING: AREA BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE Plans are accepted for construction subject 68. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD to the requirements of the California OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR-CEILING ASSEMBLY, Housing Law and the building laws of the THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED B City of Santee, California. The stamping or NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT. watermarking of these plans and 69. FIRE SEPARATION AT CEILING OF SINGLE STORY GARAGE TO BE (1) LAYER OF 5/8" TYPE 'X' GYPSUM BOARD specifications SHALL NOT be held to permit or approve the violation of any City, 10. RESERVED County, State, Federal Laws or other 11. RESERVED restrictions. 12. INTERIOR SOFFIT - REFER TO PLAN FOR HEIGHT 22 California Building Standard Code 13. LINE OF FLOOR ABOVE 14. LINE OF FLOOR BELOW Approved 03/06/2024 15. DECORATIVE WROUGHT IRON RAIL - SEE EXT. ELEVATIONS Plan Reviewer: BDivision 16. WOOD PORCH RAIL - REFER TO DETAIL 148/AD8 Permit: B-RNW-23-0006 REV 11. WAINSCOT - STUCCO OVER FLAT 2x - REFER TO DETAIL 86/AD5 Plan-Approved 18. 2" THICK STONE VENEER - REFER TO DETAIL 15/AD4 19. 2" THICK BRICK VENEER - REFER TO DETAIL 15/AD4 SIM. 80. RESERVED 81. 42"x60" ACRYLIC DROP IN TUB - VERIFY DIMENSIONS WITH MANUFACTURER SPEC'S 82. HOP MOPPED SHOWER FLOOR WITH "WEDI SYSTEM" ON WALLS AND WET SET 2"x2 CERAMIC TILE ON FLOOR AND 6"x6" CERAMIC TILE ON WALLS. PROVIDE 30" MINIMUM CLEAR SPACE. ERIC R 🖊 $\langle \# \rangle$ GENERAL PLAN NOTES KOUGH SEE CF-IR FORMS, SHEET T-24 FOR ANY SPECIAL GLAZING OR SHADING C-26497 REQUIREMENTS. APPLY WEATHER PROOFING AT WINDOWS AND DOORS PER DETAIL 22/AD2. ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O. ALL INTERIOR DOORS TO BE HOLLOW CORE 1 3/4" THICK, U.N.O. (REFER TO PLAN FOR SIZE) ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE 1 3/8" THICK EXTERIOR GRADE (REFER TO PLAN FOR SIZE) ALL HOUSE TO GARAGE DOORS TO BE TIGHT FITTING, SOLID WOOD CORE I 3/8" SELF CLOSING & SELF LATCHING, W/ WEATHER-STRIPING (REFER TO PLAN FOR SIZE) DOOR TO BE GASKETED TO LIMIT AIR MOVEMENT. PLAN: 149.2267 HOUSE TO GARAGE DOORS SHALL HAVE A FIRE PROTECTIVE RATING NO LESS THAN 20 MINUTES. ALL ENTRY DOORS TO BE SOLID CORE 1 3/4" THICK (REFER TO PLAN FOR SHEET ALL FLOOR MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR JAMBS, U.N.O. 10. ALL SHELF HEIGHTS ARE FROM FINISHED FLOOR ELEVATION. PROVIDE (2) 6"X18" GRILLS IN THE FIXED OPEN POSITION FOR COMBUSTION AIR AT BOTH SIDES OF WALL (1) WITHIN THE UPPER 12" OF THE ENCLOSURE AND THE OTHER ONE WITHIN THE LOWER 12" OF THE ENCLOSURE. REFER TO SP SHEETS FOR TYPICAL SITE PLAN FOR INTERIOR AND EXTERIOR OPENING PROTECTION REQUIREMENTS FOR WALLS CLOSER TO 5'-O" FROM SPEC. LEVEL 1 PROPERTY LINE. 8 8 8 ALL DUCT PENETRATIONS BETWEEN HOUSE AND GARAGE TO BE 26 GAUGE SANTEE CONTINUOUS. BATHROOM TO COMPLY WITH CRC SECTION R327 AGING-IN-PLACE DESIGN AND FALL PROTECTION. REFER TO SHEET 4.1 FOR DESIGN REQUIREMENTS. PLAN 1



SLAB INTERFACE PLAN 'A'







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PLAN:

ERIC R.

KOUGH

C-26497

149.2267

2.2

SHEET

SPEC. LEVEL 1

SANTEE

. PLAN 1

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BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject

to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

2022 California Building Standard Codes Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV

Plan-Approved

PARTIAL FLOOR PLAN 'A'

SCALE: |/4"=|'-0" (22"×34") - |/8"=|'-0" (||"×|7")

#	FLOOR PLAN NOTES	•••••
l.	36" DOUBLE SINK STD. GARBAGE DISPOSAL - VERIFY MFR. SPEC'S	
2. 3.	20" FREE-STANDING RANGE/OVEN COMBINATION	
3a. ⊿	30" HOOD W/ LIGHT & FAN (VENT TO OUTSIDE AIR) 30" COOKTOR WITH 30" SINGLE OVEN BLW	
ч. 4а.	30" MICROWAVE / VENTED HOOD COMBINATION	
5. 5a.	39" CLEAR REFRIGERATOR SPACE FAUX CABINET PANEL	
6.	OVEN CABINET W/ MICROWAVE ABOVE AND 33" SINGLE OVEN BELOW	
ı. 8.	UPPER CABINETS - REFER TO INTERIOR ELEVATIONS	
9. 10.	BREAKFAST BAR – SEE INTERIOR ELEVATIONS ISLAND CABINET – REFER TO INTERIOR ELEVATIONS	•
11.	24"x30" CLEARANCE REQUIRED FOR WATER CLOSET	
12.	SYSTEM AND 12" H. TEXTURED WALLS - VERIFY MER. SPEC'S	
3.	FIBERGLASS RECTANGULAR TUB AND SEPARATE SHOWER (102"X42") W/ GLUED WASTE AND VENT SYSTEM, VERIFY DIMENSIONS WITH MFG'S SPEC'S.	
	SHOWER TO PROVIDE 30" MINIMUM CLEAR SPACE. SHOWER SHALL HAVE A MINIMUM FINISHED INTERIOR OF 1024 SQUARE INCHES.	
	SHOWER DOOR SHALL HAVE A 22" MINIMUM UNOBSTRUCTED OPENING FOR EGRESS.	
14 <i>.</i> 15	FIBERGLASS SHOWER WITH 12" H. TEXTURED WALLS - VERIFY MFR. SPEC'S SHATTERPROOF (TEMPERED) OLASS SHOWER ENCLOSURE W/ TOWEL BAR	
16.	TOWEL BAR / RING - PROVIDE 2X SOLID BACKING AND INSTALL +48" A.F.F.	
11. 18.	TOILET PAPER HOLDER - PROVIDE 2X SOLID BACKING AND INSTALL +24" A.F.F.	
19. 20	144"x36" CONCRETE STOOP, U.N.O SLOPE MIN. 1/4" PER FOOT 36" SQUARE CONCRETE STOOP U.N.O SLOPE MIN. 1/4" PER FOOT	
21.		_
<i>22.</i>		Prospect
23.	(2) 90° ELBOW AL ELBOWS REDUCE ALLOWABLE VENT LENGTH BY	
24.	2 FEET PER EL PROVIDA "GMUTTE PAN" WITH DRAIN BELOW AT WASHER OR WATER	• Gardens
25	HEATER AS NOTED ON FLAGE REPER TO DETAIL 206/ADII	TRACT NO 2016-03
26.	HYBRID WATER HEATER - LOCATE ON A 12" PLATFORM. PROVIDE SEISMIC	•
27.	UNALINE HEATER VENT	
28.	PROVIDE TEMPERATURE & PRESSURE RELIEF VALVE AT WATER HEATER - DRAIN TO EXTERIOR (MAX. 24" & MIN. 6" ABV. GRADE POINT END DOWN)	
29.	3" DIA. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT	ORANGE COUNTY / SAN DIEGO
30.	F.A.U. IN ATTIC - REFER TO UTILITY PLAN AND DETAIL 12/AD6	•
əı. 32.	DUCT CHADE - REFER TO MECH, PLAN RETURN AIR GRILL (R.A.G.) - REFER TO MECHANICAL PLAN	9915 MIRA MESA BLVD.
33. 34	30"x30" (NO LESS THAN 22"x30") ATTIC ACCESS - DETAIL 114/AD6 COATS WITH SHELF & POLE - DETAIL 104/AD6	SAN DIEGO, CA 92131
35.	LINEN - WITH SHELF - REFER TO SPEC. FOR MAT'L & QTY.	949-790-9100
эю. 37.	FANIRT - WITH SHELF - KEFER TO SPEC. FOR MAT'L & QTY. SHELF-REFER TO SPEC. FOR MAT'L & QTY.	949-790-9119
38. 39	WARDROBE W/ SHELF & POLE - REFER TO SPEC. FOR MAT'L & QTY. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT	
40.		
41. 42.	LOW WALL - REFER TO PLAN FOR HEIGHT	
43. 44.	CRIPPLE WALL BELOW EXTERIOR LOW WALL - SLOPE TO DRAIN: I" PER FOOT	
45. 46	STUCCO POTSHELF - SLOPE TO DRAIN: I" PER FOOT - SEE DETAIL 31/AD2	
40. 47.	FLAT STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT	
48. 49.	ARCHED STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT STUCCO CEILING PER - REFER TO ELEVATIONS	
50. -1	OPEN TO ROOF SHEATHING ABOYE - PROVIDE LATERAL CROSS BRACING	
51.	C6A C22.2 NO. 46-MI38 STANDARDS FOR FIXED AND LOCATION DEDICATED	ISSUE DATE: 09/11/2023
52.	REGERVED	PROJECT No.: 405999
53. 54.	HEARTH - REFER TO SPEC. LIST FOR SIZE AND MAT'L. FIREPLACE VENT	DIVISION MGR.: J.C.
55. 56	VENT TO OUTGIDE AIR TRAGH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING	REVISIONS: 10/05/2023
51a.	MEDIA - SEE INTERIOR ELEVATIONS	
5 16. 58.	MEDIA - DESIGN BT OTHERS 15 RIGERS AT 8' PLATE, 16 RIGERS AT 9' PLATE - REFER TO	1 10/05/2023 – V.P.B.S.
59.	DETAILS IOI & 102/ADG GUARD WALL +42" U.N.O DETAIL 108/ADG	
60.	34" (38" MAX.) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - DTL. 103/AD6	
61.	WOOD BALUSTERS # 4" O.C. W/ HARDWOOD CAP ON 3" HIGH	•
62.	14" X 6" G.I. SCREENED AND LOUVERED EXHAUST VENT -	
63.	COMBUSTION AIR VENT	-
64. 65.	16070 SECTIONAL GARAGE DOOR 8070 SECTIONAL GARAGE DOOR	
66. 67	1/2" GYPSUM BOARD ON CEILING AND WALLS AT USABLE SPACE UNDER STAIRS. THE GARAGE SHALL BE SERARATED FROM THE RESIDENCE AND ITS ATTIC	-
	AREA BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE	
68 .	GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD	•
	OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR-CEILING ASSEMBLY, THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY	
69.	NOI LESS THAN 1/2" GTFSUM BOARD OR EQUIVALENT. FIRE SEPARATION AT CEILING OF SINGLE STORY GARAGE	-
10	TO BE (1) LAYER OF 5/8" TYPE 'X' GYPOUM BOARD REGERVED	
11. 12		-
12. 13.	LINE OF FLOOR ABOVE	
14. 15.	LINE OF FLOOR BELOW DECORATIVE WROUGHT IRON RAIL - SEE EXT. ELEVATIONS	-
16. 17	WOOD PORCH RAIL - REFER TO DETAIL 148/AD8	
11. 18.	2" THICK STONE VENEER - REFER TO DETAIL 15/AD4	
19. 80.	2" THICK BRICK VENEER - REFER TO DETAIL 15/AD4 6IM. RE6ERVED	
81.	42"x60" ACRYLIC DROP IN TUB - VERIFY DIMENSIONS WITH MANUFACTURER SPEC'S	
82.	HOP MOPPED SHOWER FLOOR WITH "WEDI SYSTEM" ON WALLS AND WET SET 2"x2	USED ARCAN
	PROVIDE 30" MINIMUM CLEAR SPACE.	1 St f far the
(#)	GENERAL PLAN NOTES	
1.	SEE CF-IR FORMS, SHEET T-24 FOR ANY SPECIAL GLAZING OR SHADING REQUIREMENTS	
2.	APPLY WEATHER PROOFING AT WINDOWS AND DOORS PER DETAIL 22/AD2.	TX 201 11-30-22 2
3. 4.	ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O. ALL INTERIOR DOORS TO BE HOLLOW CORE 1 3/4" THICK. U.N.O. (REFER TO	S OF CALIF
5	PLAN FOR SIZE)	
	GRADE (REFER TO PLAN FOR SIZE)	
ю.	ALL HOUSE TO GARAGE DOORS TO BE TIGHT FITTING, SOLID WOOD CORE 1 3/8" SELF CLOSING & SELF LATCHING, W/ WEATHER-STRIPING (REFER TO PLAN FOR	PLAN:
٦.	SIZE) DOOR TO BE GASKETED TO LIMIT AIR MOVEMENT. HOUSE TO GARAGE DOORS SHALL HAVE A FIRE PROTECTIVE RATING NO LESS	
8	THAN 20 MINUTES.	
J.	SIZE)	SHEET:
ฮ. Ю.	ALL FLOOR THATERIAL CHANGED TO OCCUR AT CENTER OF DOOR JAMBS, U.N.O. ALL SHELF HEIGHTS ARE FROM FINISHED FLOOR ELEVATION.	- 2Δ1
11.	PROVIDE (2) 6"XIB" GRILLS IN THE FIXED OPEN POSITION FOR COMBUSTION AIR	<u> </u>
	AI BOTH SIDES OF WALL (1) WITHIN THE UPPER 12" OF THE ENCLOSURE AND THE OTHER ONE WITHIN THE LOWER 12" OF THE ENCLOSURE.	· · ·
12.	REFER TO SP SHEETS FOR TYPICAL SITE PLAN FOR INTERIOR AND EXTERIOR OPENING PROTECTION REQUIREMENTS FOR WALLS CLOSER TO 5'-O" FROM	SPEC. LEVEL 1
13	PROPERTY LINE. ALL DUCT PENETRATIONS BETWEEN HOUSE AND GARAGE TO BE 26 GAUGE	
14	CONTINUOUS.	SANTEE
г т .	FALL PROTECTION. REFER TO SHEET 4.1 FOR DESIGN REQUIREMENTS.	
		' PLAN 1



SCALE 1/2"=1'-0" PRECAST TRIM SURROUND

SCALE: |/4"=|'-0" (22"x34") - |/8"=|'-0" (||"x|7")







LEFT ELEVATION 'A' SCALE: |/4"=|'-0" (22"x34") - |/8"=|'-0" (||"x|7")

Ħ	ELEVATION NOTES						
L.	ROOF MATERIAL - REFER TO ROOF NOTES						
2.	2X6 FASCIA/BARGE BOARD						
<u> </u>	GI SADDIE ELASHING - REFER TO DETAIL 9/ADI				\leq		
5.	G.I. CRICKET TO DRAIN - REFER TO DETAIL II/ADI						
6.	G.I. DRIP SCREED - SEE DETAIL 84/AD5						
7.	DECORATIVE LOUVERED ATTIC VENT -						
	REFER TO ELEVATION FOR SIZE					7	
<i>D.</i>	14"X6" G.I. SUREENED & LOUYERED AIR YENI EIRERI ACE CHIMNEY CHIMNEY GUALI EXTEND A MIN OF 2'-0"						
J.	ABOVE ANY PORTION OF THE HOUSE WITHIN 10', PROVIDE AN					<u></u>	
	APPROVED SPARK ARRESTOR ON TOP OF CHIMNEY.			٦V			
10.	LINE OF VOLUME CEILING - PITCH 2:12 U.N.O.						
11.	SECTIONAL GARAGE DOOR - VERIFY WINDOW OPTION						
12.	CONCRETE 5100P/PORCH - REFER TO 5LAB INTERFACE PLAN						B
14	EXTERIOR PLASTER - SEE SPECS						
15.	BRICK VENEER	-	-	-	-	-	-
16.	2" THICK SYNTHETIC STONE VENEER - SEE DETAIL 81/AD5						
17.	WAINSCOT - STUCCO OVER FLAT 2x FRAMING - SEE DETAIL 86/AD5		_	_	_	_	_
18.	DECORATIVE WROUGHT IRON						
19.	1/2" STUCCO CONTROL JOINT - REFER TO DETAIL 88/ADS						
20.	FLAT STUCCO SOFFIT - REFER TO DETAIL 80/AD4						
22.	ARCHED STUCCO SOFFIT						
23.	wood soffit						
24.	STUCCO COLUMN						
25.	STUCCO POTSHELF - SLOPE TO DRAIN: I" PER FOOT - SEE DETAIL 31/AD2						
20.	POLITURETHANE, FOATI OR WOOD CORDEL - REFER TO ELEVATION PRE-MANEACTURED SHITTER PER AMERICAN THE OR FOILAL - REFER						
1 1 1	TO ELEVATION FOR SIZE						
28.	DECORATIVE E 🔵 🛛 🗄 ELEVATION			roc	nn	st	
29.	EXTERIOR PLA		Γ	103	hei	J	
30.	6" DIA. DECOR / YY /ENTS PER AMERICAN TILE OR EQUAL -		_		-		
21			(.	` arc	1en	S	
32.				Jui		J	
33.	FIBER CENERT LA VERTICAL SIDING 8" EXPOSURE U.N.O. (W/ TEXTURED FINISH)		то		2 2046	02	
34.	FIBER CEMENT SIDING STRAIGHT EDGE NOTCHED PANEL		IR	ACTIN	J. 2016	-03	
35.	FIBER CEMENT GIDING GTAGGERED EDGE NOTCHED PANEL						
36.	TRIFT AT SIDING - 5/4" FIBER CEPTENT (PROVIDE 1/2" PLYWOOD BACKING						
31	FIBER CEMENT VERTICAL SIDING (TEXTURED) WITH 1X2 FIBER CEMENT TRIM			KB H	OME		
	AT 18" O.C. (U.N.O.) - REFER TO DETAILS '73' AND '74' ON SHEET AD4	_	SOUT	HERN	CALIFO	RNIA	_
38.	KNEE BRACE - REFER TO DETAIL 20/ADI U.N.O.	l of	RANGE	COUN	TY / SA	N DIE	GO
39.	1"x2" FOAM BATTENS WITH SAND FINISH EXTERIOR STUCCO - REFER TO						
	ELEVATION FOR SPACING	-	0045				
40.	PLANS FOR SITE		9915	MIRA	VIESA E	SLVD.	
41.	ROUGH SAWN WOOD POST MIN. 6X6 U.N.O SEE STRUCT. PLANS FOR SIZE		SAN	DIEGO), CA 92	2131	_
42.	PORCH RAIL - REFER TO ELEVATION			040 70	0 0100		
43.	ILLUMINATED ADDRESS PER CITY REQUIREMENTS, NUMBERS SHALL BE BLOCK			949-79	0-9100		
	STYLE, A MINIMUM OF 4" IN HEIGHT, BLACK IN COLOR (OR OTHER APPROVED			949-79	0-9119		
$1/_1$	COLORI, IN CONTRAST WITH THEIR BACKGROUND						
¥ 44.	POLYURETHANE TRUSS TAIL COVER - REFER TO ELEVATION FOR SIZE						
45.	ROUGH SAWN 3X6 BARGE BOARD EXTEND 6" PAST OVERHANG						
46.	I 1/2" WIDE STUCCO CHANNEL - REFER TO DETAIL 92/AD5						
	NOTE:						
* AI	L UTILITY METERS, BOXES, ETC. ARE TO BE PAINTED						
Ltol	1ATCH THE SURFACE THEY ARE ADJACENT TO.	-	-	-			
	EXTERIOR STUCCO FINISH						
	GA DIAMOND WALL' PLASTER SYSTEM CORR-0467 ERS TO LIGED IN THIS SYSTEM			8		8	
MIN.	THICKNESS I", MIN. DENSITY 1.5 PCF AND INSULATION VALUE R-4.						
		I					









SCALE: |/4"=|'-0" (22"x34") - |/8"=|'-0" (||"x|7")





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RIGHT ELEVATION 'B' SCALE: 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")



LEFT ELEVATION 'B' SCALE: |/4"=|'-0" (22"×34") - |/8"=|'-0" (||"×17")

#	ELEVATION NOTES			•			
1.	ROOF MATERIAL - REFER TO ROOF NOTES						
2.	2x6 FASCIA/BARGE BOARD						
3.	G.I. FLASHING						
4.	G.I. SADDLE FLASHING - REFER TO DETAIL 9/ADI						
5.	G.I. CRICKET TO DRAIN - REFER TO DETAIL II/ADI						
6. -	G.I. DRIP SCREED - SEE DETAIL 84/AD5						
l.	DECORATIVE LOUVERED ATTIC VENT -						
~	REFER TO ELEVATION FOR SIZE					7	
<i>8.</i>	14"X6" G.I. SCREENED & LOUVERED AIR VENT FIDEDLACE CUIDNEX CUIDNEX GUALLE EXTEND A MINL OF 21 OIL		-				
9.	FIREPLACE CHIFINET, CHIFINET SHALL EXTEND A FIIN. OF 2-0"						
	ADDYE ANT FORTION OF THE HOUSE WITHIN 10, FROVIDE AN						
5	LINE OF VOLUME CEILING PITCH 212 LING		•			<u></u>	
10. 11	LINE OF VOLUTE CEILING - FITCH 2:2 U.N.O. SECTIONAL GARAGE DOOR , VERIEY IIINDOW ORTION						
10	SECTIONAL GARAGE DOOR - VERIFI WINDOW OFTION CONCRETE STOOP/ROPCH - RECER TO SUBPLY TO SUBPLY AN						ര
12	OPTIONAL DOOP / ININDON - REFER TO ELOOP PLAN						
12. 14	EXTERIOR PLASTER - SEE SPECS	-	_	-	-		
17. 15	BRICK VENEER					-	
16	2" THICK SYNTHETIC STONE VENEER - SEE DETAIL 81/AD5						
Π.	WAINSCOT - STUCCO OVER FLAT 2x FRAMING - SEF DETAIL 86/AD5						
18.	DECORATIVE WROUGHT IRON						
19	1/2" STUCCO CONTROL JOINT - REFER TO DETAIL 88/AD5						
20.	-2" RECESSED ELEMENT U.N.O REFER TO ELEVATION FOR SIZE						
21.	FLAT STUCCO SOFFIT - REFER TO DETAIL 80/AD4	_	_	_	_	_	
22.	ARCHED STUCCO SOFFIT						
23.	wood soffit						
24.	STUCCO COLUMN						
25.	STUCCO POTSHELF - SLOPE TO DRAIN: I" PER FOOT - SEE DETAIL 31/AD2						
26.	POLYURETHANE, FOAM OR WOOD CORBEL - REFER TO ELEVATION						
27.	PRE-MANFACTURED SHUTTER PER AMERICAN TILE OR EQUAL - REFER						
	to flevation for SIZE		_				
28.	DECORATIVE EE ELEVATION			rnc	no	∽t	
29.	EXTERIOR PLA			103	bhc.	ノレ	
30.	6" DIA. DECOF / Y / ENTS PER AMER CAN TILE OR EQUAL -			_			
	REFER TO DETINTERWEST		ſ	lar	dan	C	
31.	EXIERIOR PLAA SAFEBUIK COMPANY WOOD TRIM	-	U U	Jai (コロニ	3	
32. 22							
ング. マイ	FIDER CENERAL ADVICE AT PAICULE EDGE VOTATED DAVIEL		TR	ACT N	O. 2016	-03	
24. 25	FIDER CEITENT SIDING STRAIGHT EDGE NOTCHED PANEL				2.2010		
20. 26							
10.							
27	EIRED CEMENT VEDTICAL AIDING (TEVTIDED) IIITU IV) EIRED CEMENT TOIM			KB H	IOME		
¥ 1.	$\Delta T S ^{\circ} \cap C (N \cap I) = PEEEP TO DETAILS '73' AND '74' AN SUBET ADA$		SOLIT	HERN)RNIA	
38	KNEE BRACE - REFER TO DETAIL 19 AND 14 ON SHEET ADA KNEE BRACE - REFER TO DETAIL $20/ADI IIN 0$						\sim
39	11/22" FOAM BATTENS WITH SAND FINISH FYTERIOR STUCCO - REFER TO		ANGE		IY/5A		GO
J.	ELEVATION FOR SPACING						
40	WOOD BEAM WRAPPED WITH IX RESAMN WOOD TRIM - SEE STRUCTURAL		0045				
	PLANS FOR SIZE		9915	INIIKA I	VIESA E	LVD.	
41.	ROUGH SAWN WOOD POST MIN. 6X6 U.N.O SEE STRUCT. PLANS FOR SITE		SAN	DIEGO), CA 92	2131	
42.	PORCH RAIL - REFER TO ELEVATION		27.11	040 70	0.0400		
43.	ILLUMINATED ADDRESS PER CITY REQUIREMENTS, NUMBERS SHALL BE BLOCK			949-79	0-9100		
•	STYLE, A MINIMUM OF 4" IN HEIGHT, BLACK IN COLOR (OR OTHER APPROVED			949_70	0_9110		
\wedge	COLOR), IN CONTRAST WITH THEIR BACKGROUND			3-3-13			
1 \	REFER TO C.R.C. SECTION (R319)						
44.	POLYURETHANE TRUSS TAIL COVER - REFER TO ELEVATION FOR SIZE						
45.	ROUGH SAWN 3X6 BARGE BOARD EXTEND 6" PAST OVERHANG						
46.	1 1/2" WIDE STUCCO CHANNEL - REFER TO DETAIL 92/AD5						
	NOTE:						
AL	L UTILITY METERS, BOXES, ETC. ARE TO BE PAINTED						
<u>to 1</u>	1ATCH THE SURFACE THEY ARE ADJACENT TO.		_	_	_	—	
	EXTERIOR STUCCO FINISH						
OME	GA 'DIAMOND WALL' PLASTER SYSTEM CCRR-0467, EPS TO USED IN THIS SYSTEM						
V							

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Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



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of

REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY. REINFORCEMENT SHALL NOT BE LESS THAN 2 BY & INCH OR OTHER CONSTRUCTION MATERIAL PROVIDING EQUAL HEIGHT AND LOAD CAPACITY, REINFORCEMENT SHALL BE LOCATED BETWEEN 32 INCHES AND 39 1/4 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. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED.

DEDICATED RECEPTACLE OUTLETS; FLOOR RECEPTACLE OUTLETS; CONTROLS MOUNTED ON CEILING FANS AND CEILING LIGHTS; AND CONTROLS LOCATED ON APPLIANCES. RECEPTACLE OUTLETS REQUIRED BY THE CALIFORNIA ELECTRICAL CODE ON A WALL SPACE WHERE THE DISTANCE BETWEEN THE FINISHED FLOOR AND A BUILT-IN FEATURE ABOVE THE FINISH FLOOR, SUCH AS A WINDOW, IS LESS THAN 15 INCHES.









SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

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SECTION 'A' SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X17")

Ŧ		SECTIC	NOTES		2022 CRC					
1.	FLOOR SYSTEM - REFE	R TO STRU								
2.	ROOFING MATERIAL - F	REFER TO F	ROOF NOTES							
5. 4.	PRE-MANUFACTURED W	OOD ROOF	TRUSS SYSTEM	- REFER					\geq	
-	TO STRUCTURAL AND T	RUSS CALC	ULATIONS							
5. 6	GTPSUM WALLBOARD	IO ROOF S	HEATHING N							
ю. 1.	CONCRETE GARAGE SL	AB - SLOF	N PE 2" MIN.							
8.	2x4 CRIPPLE STUDS AT	16" O.C.								
9. 12	2x6 BALLOON FRAMING			NOTES		24	Ν			·
10. 11.	FIRE SEPARATION BETI	JEEN HOUSE	E AND GARAGE	WALLS: PROVIDE				70		
	(1) LAYER OF 1/2" GYP	SUM BOARD) .							
12.	FIRE SEPARATION BET	JEEN SECO	ND FLOOR AND							
	(1) LAYER OF 5/8" TYF	E 'X' GYP.	BOARD.							
12a.	FIRE SEPARATION AT (GARAGE CE	ILING PROVIDE	(I) LAYER OF						
	1/2" GYPSUM BOARD P	ER AT GAR	RAGE WITH ATTIC							
13.	FACE OF TRUSS FROM	CEILING TO	PE X GIPSUN I ROOF SHEATH	BOARD AI ING						
14.	1/2" HIGH DENSITY OR	5/8" GYP. E	BOARD AT CEIL	.ING U.N.O.						
15. K	1/2" GYP. BOARD TYPI	CAL U.N.O.								
16. 11	VOLUME CEILING - 2.12	EVATION FO	r height							
18.	1/2" GYPSUM BOARD O	N CEILING	AND WALLS AT	USABLE SPACE						
10	UNDER STAIRS.									
19. 20	34"-38" HIGH CONTINUE	SERS, MIN. DUS III∆I I -™		1 3/4" MAX. RISERS				-	-	
21.	GUARDWALL +42" U.N.O	- REFER T	O DETAIL 108/4	4D6			-	-	-	
22.	WOOD BALLUSTERS AT	4" O.C. W/	HARDWOOD CA	AP ON 3" HIGH						
22			FER TO DETAIL	- 106/AD6)r~~	6	~ +
15.			CEILING ALSEM	UN A			۲	TUS	ipe	υl
	SINGLE-FAMILY	DRAFT	STOPS SHALL E	BE INSTALLED						
	SO THAT THE ,INTERW	EST CONC	EALED SPACE	DOES NOT			(iar	len	S
			R DXIMATELY F	HALL DIVIDE Foliai Arfas						U
24.	DOUBLE 2X TOF PLATE	AT EXTER	IOR & BEARING	WALLS			TR	ACT NO	2016	-03
25.	2x P.T.D.F. SILL PLATE								5. 2010	
26.	FIREBLOOKING 29424	BELLOCATE		ED SPACES OF						
	FLOOR LEVELS AND HAR	ORIZONTALL	Y AT INTERVAL	-S NOT EXCEEDING				кв н	OME	
	IO FEET.						SOUT			
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FE	NESTRATION						9915	MIRAN	MESA E	BLVD.
FEI WIND	NESTRATION	u-valu	Æ	SHGC		•	9915 SAN	MIRA N I DIEGC	MESA E), CA 92	3LVD. 2131
FEI WIND	NESTRATION OW TYPE ER	U-YALI 0.28	Æ	SHGC 0.22		•	9915 SAN	MIRA N I DIEGC 949-79	MESA E), CA 92 0-9100	3LVD. 2131
FEI WIND SLIDE FIXEI	NESTRATION OW TYPE Er P	U-VAL 0.28 0.28	Æ	SHGC 0.22 0.22		•	9915 SAN	MIRA N DIEGC 949-79 949-79	MESA E), CA 92 0-9100 0-9119	3LVD. 2131
FEI WIND SLIDE FIXEE SING	NESTRATION OW TYPE ER D LE HUNG	U-VAL 0.28 0.28 0.28	JE	SHGC 0.22 0.22 0.22		•	9915 SAN	MIRA M DIEGC 949-79 949-79	MESA E), CA 92 0-9100 0-9119	3LVD. 2131
FEI SLIDE FIXEI SING PATI	NESTRATION OW TYPE ER D LE HUNG O DOOR	U-VALL 0.28 0.28 0.28 0.28	JE	SHGC 0.22 0.22 0.22 0.22 0.22		• • •	9915 SAN	MIRA M DIEGC 949-79 949-79	MESA E 0, CA 9: 0-9100 0-9119	3LVD. 2131 ■
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FEI SLID FIXEI SING PATI NOTE 1. 1 2. , (1 2. , (1 2. , (1. , (1 2. , (1. , ()))))))))))))))))))))))))))))))))))	NESTRATION W TYPE ER D LE HUNG O DOOR ES: REFER TO THE CERTIF LOCATED ON THE T24: ALL LOTS WITHIN THE GLASS DOORS WITH W ASSEMBLIES AND A M (STC) RATING OF 26 F PREPARED BY URBAI 2020) SULATION COMI	U-YALI 0.28 0.28 0.28 0.28 0.28 CATES OF -X SHEETS PROJECT ELL FITTEL INIMUM SO PROJECT ELL FITTEL INIMUM SO PROSSR PONEN	E COMPLIANCE FOR ADDITIO REQUIRE WIND WELL WEATH UND TRANSMIS INAL NOISE IM OADS (DATED TS R-YALUE	SHGC 0.22 0.22 0.22 0.22 0.22 E (FORM CF-IR'S) DNAL INFORMATION. OW AND SLIDING HER-STRIPPED SSION CLASS IPACT ANALYSIS D DECEMBER II,		• • • •	9915 SAN	MIRA M DIEGC 949-79 949-79 •	MESA E 0, CA 93 0-9100 0-9119 •	3LVD. 2131 • •
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PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING:

T.O.P

_____**T.O.P**

Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

2022 California Building Standard Code Approved 03/06/2024

Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

WASHER ALWAYS LOCATE	rs testing	IS REQUIRED	
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NOTE: MAXIMUM FLOW RAT	TE STANDA	ARDS SET BY	CALIFORNIA ENERGY
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C. KITCHEN FAUCETS D. LAVATORY FAUCE	ð: ETS:	1.8 C 1.2 G	≇PM ₽M
STUCCO APPLIED OVER OF GRADE 'D' BUILDING	WOOD SHE PAPER	EATHING SHALI	L INCLUDE TWO (2) LAYERS
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NO SECOND FLOOR WINDO THAN 24" A.F.F. WITHOUT F	OW SILLS S ALL PROTI	HALL BE LOC ECTION (R312.2	ATED LOWER
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WINDOW TYPE SLIDER	U-VAL 0.28	ue	SHGC 0.22
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OUSE/GARAGE WALLS (2x	6)	R-21	
LOOR (ABOVE GARAGE)		R-19	
ATTIC AT FURNACE ATTIC INSULATION (UNVENT	ED ATTIC)	 R-33 SPRAY	FOAM BELOW ROOF DECK
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I. REFER TO THE CERTI- LOCATED ON THE T24 2. R-4 INSULATION AT EI INSULATION BOARD U STUCCO APPLICATION 5TUCCO APPLICATION FLOOR AREA FLOOR AREA TOTAL AREA GARAGE AREA PORCH AREA EI SIDING GLASS DOOR HEIGH SLIDING GLASS DOOR INTERIOR WINDOW HEA INTERIOR WINDOW SHE INTERIOR WINDOW SHE INTERIOR WINDOW SHE INTERIOR WINDOW HEA INTERIOR WINDOW SHE INTERIOR WINDOW SHE INTERIOR WINDOW SHE INTERIOR WINDOW SHE INTERIOR WINDOW HEA INTERIOR WINDOW SHE INTERIOR WINDOW SHE	FICATES OF INTERIOR W SED IN CO INTERIOR INTER SQUARE PLAN LEVATION PLATE 3'-1" PL/ ADER HEIGH T: HEIGHT: HT: HEIGHT: HT: HT: HT: LF: FIT ADER HEIGH ADER	F COMPLIANCE FOR ADDITIC JALLS IS A RIG NJUNCTION WIT F 4.1 F 4.1 F C IOR KEY F CIOR F CION F CION CION F CION F C	E (FORM CF-IR'S) DNAL INFORMATION. SID FOAM H THE ONE-COAT $\frac{1}{14}$ THE ONE-COAT $\frac{1}{14}$ SQ. FT. $\frac{2144}{5Q}$ SQ. FT. $\frac{2144}{5Q}$ SQ. FT. $\frac{2144}{5Q}$ SQ. FT. $\frac{2144}{5Q}$ SQ. FT. $\frac{2144}{5Q}$ SQ. FT. $\frac{2144}{5Q}$ SQ. FT. $\frac{2022 \text{ GC}}{5Q}$ SQ. $\frac{6'-8" \text{ U.N.O.}}{1'-0" \text{ U.N.O.}}$ $\frac{6'-8" \text{ U.N.O.}}{1'-0" \text{ U.N.O.}}$ $\frac{7'-6" \text{ U.N.O.}}{6'-8" \text{ U.N.O.}}$ $\frac{7'-6" \text{ U.N.O.}}{4" \text{ BELOW SILL U.N.O.}}$ $\frac{7'-6" \text{ U.N.O.}}{8'-0" \text{ U.N.O.}}$ $\frac{8'-0"}{8'-6" \text{ U.N.O.}}$ $\frac{7'-6" \text{ U.N.O.}}{6'-8" \text{ U.N.O.}}$ $\frac{7'-6" \text{ U.N.O.}}{8'-0" \text{ U.N.O.}}$ $\frac{7'-6" \text{ U.N.O.}}{8'-0" \text{ U.N.O.}}$ $\frac{7'-6" \text{ U.N.O.}}{4" \text{ ABY. HDR. U.N.O.}}$
I. REFER TO THE CERTI- LOCATED ON THE T24 I. R-4 INSULATION AT EI INSULATION BOARD U- STUCCO APPLICATION STUCCO APPLICATION FLOOR AREA FORCH HEIGH- INTERIOR WINDOW SOFI INTERIOR WINDOW HEIGH- INTERIOR WINDOW HEIGH- INTERIOR WINDOW HEIGH- INTERIOR WINDOW SOFI INTERIOR WINDOW SOFI INTERIOR WINDOW SOFI INTERIOR WINDOW SOFI INTERIOR WINDOW SOFI INTERIOR WINDOW SOFI INTERIOR WINDOW SOFI	FICATES OF I-X SHEETS XTERIOR W SED IN CO INTER SQUARE PLAN LEVATION PLATE 3'-1" PL/ ADER HEIGH ADER HEIGH ADER HEIGH ADER HEIGH ADER HEIGH ADER HEIGH T: HEIGHT: HEI	F COMPLIANCE FOR ADDITIC JALLS IS A RIG NJUNCTION WIT 4.1 F 4.1 F 4.1 F C 149.2144 T F C TATE NOTES ATE NOTES ATE NOTES ATE NOTES ATE NOTES TE HT: HT:	E (FORM CF-IR'S) DNAL INFORMATION. SID FOAM 'H THE ONE-COAT 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2022 CRC S 6'-8" U.N.O. 1'-0" U.N.O. 6'-8" U.N.O. 1'-0" U.N.O. 6'-8" U.N.O. 1'-0" U.N.O. 6'-8" U.N.O. 1'-0" U.N.O. 8'-0" U.N.O. 5'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 1'-0" U.N.O. 8'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 2022 CRC U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 2022 CRC 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 2022 CRC 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 2022 CRC 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 2022 CRC 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 2022 CRC 1'-0" U.N.O. 1'-0" U.N.O
I. REFER TO THE CERTI- LOCATED ON THE T24 I. REAL TION AT ELE INSULATION BOARD US STUCCO APPLICATION STUCCO APPLICATION ELEOR AREA COTAL AREA FORCH AREA CARAGE AREA FORCH AREA CARAGE AREA CARAGE AREA CARAGE DOOR HEIGHT: CARAGE DOOR HEIG	FICATES OF FICATES OF TERIOR W SED IN CO INTER SQUARE PLAN EVATION PLATE SQUARE PLAN DUATE SQUARE SQU	F COMPLIANCE FOR ADDITIC JALLS IS A RIG NJUNCTION WIT ALL F CIOR KEY E FOOTAG 149.2144 N 'A' E NOTES ATE NOTES ATE NOTES ATE NOTES ATE NOTES TE LEGENE WALL WALL - HEIG OR HIDDEN	E (FORM CF-IR'S) DNAL INFORMATION. SID FOAM 'H THE ONE-COAT 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 426 SQ. FT. 426 SQ. FT. 426 SQ. FT. 2022 CRC S
I. REFER TO THE CERTI- LOCATED ON THE T24 I. R-4 INSULATION AT EI INSULATION BOARD US STUCCO APPLICATION STUCCO APPLICATION ELOOR AREA COTAL AREA COTAL AREA COTAL AREA CARAGE AREA CORCH AREA CI	FICATES OF FICATES OF FICATE	E COMPLIANCE FOR ADDITIC JALLS IS A RIG NJUNCTION WIT E A.I E FOOTAG 149.2144 TE NOTES ATE NOTES ATE NOTES ATE NOTES TE LEGENIE UD WALL - HEIG OR HIDDEN IT: HT:	E (FORM CF-IR'S) DNAL INFORMATION. SID FOAM 'H THE ONE-COAT 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2022 CRC S 6'-8" U.N.O. 1'-0" U.N.O. 6'-8" U.N.O. 1'-0" U.N.O. 6'-8" U.N.O. 1'-0" U.N.O. 6'-8" U.N.O. 1'-0" U.N.O. 5'-0" U.N.O. 1'-0" U.N.O. 5'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 8'-0" U.N.O. 1'-0" U.N.O. 2022 CRC C C C C 2022 CRC C C 2022 CRC C C 2022 CRC C C 2022 CRC C C C C 2022 CRC C C C 2022 CRC C C C 2022 CRC C C C C C C C C C C C C C
I. REFER TO THE CERTIF LOCATED ON THE T24 I. REALINGULATION BOARD US STUCCO APPLICATION STUCCO APPLICATION STUCCO APPLICATION ISTRICCO APPLICATION ISTRICCO APPLICATION ISTRICCO APPLICATION ISTRICCO AREA TOTAL AREA SARAGE AREA PORCH AREA ISTRICCOR WINDOW HEA INTERIOR SOFFIT HEIGH INTERIOR WINDOW SOFFIT INTERIOR WINDOW SOFFIT INTERIOR WINDOW HEA INTERIOR WINDOW SOFFIT INTERIOR WINDOW HEA INTERIOR WINDOW SOFFIT INTERIOR WINDOW	FICATES OF FICATES OF FICATES OF FICATES OF FICATES OF TERIOR W SED IN CO INTER SQUARE PLAN DUATE SQUARE FIL DUATE SQUARE FIL S	E COMPLIANCE FOR ADDITIC JALLS IS A RUN NJUNCTION WIT E A.I E A.I F CIOR KEY E FOOTAG 149.2144 ATE NOTES ATE NOTES ATE NOTES ATE NOTES TIS HT: HT: E LEGENIE VALL UD WALL - HEIG OR HIDDEN IT STUD WALL VALL VALL VALL VALL VALL VALL VALL	E (FORM CF-IR'S) DNAL INFORMATION. SID FOAM H THE ONE-COAT 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2144 SQ. FT. 2022 CRC S 6'-8" U.N.O. 6'-8" U.N.O. 5'-0" U.N.O. 8'-0" U.N.O. 8'-0" 8'-0" U.N.O. 1'-0" U.N.O. 8'-0" U.N.O. 1'-0" U.N.O. 1'-0" U.N.O. 2022 CRC SHT A5 NOTED SHT A5 NOTED

ALL SHOWER AND TUB-SHOWERS SHALL HAVE A PRESSURE BALANCE,



49'-0"

FLOOR PLAN 'A

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

AT LOTS 4, 6 \$ 15



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Approved 03/06/2024 Plan Reviewer: BDivision

restrictions.

TO THE FOLLOWING:

2\|

Permit: B-RNW-23-0006 REV Plan-Approved

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<u>FLEX</u>











AT PRIMARY BATH



Service Door

AT FLEX

AT GARAGE



PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING:

Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other

22 California Building Standard Codes Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

restrictions.

		5 5	-	•	2
1. :	FLOOR PLAN NOTES 2022 CRC 36" DOUBLE SINK STD. GARBAGE DISPOSAL - VERIFY MFR. SPEC'S 2022 CRC				
2. [3. 3	DISHWASHER - PROVIDE SURFACE MOUNT AIR GAP - VERIFY MFR. SPEC'S 30" FREE-STANDING RANGE/OVEN COMBINATION	-			
Ba. 3 1. 3	30" HOOD W/ LIGHT & FAN (VENT TO OUTSIDE AIR) 30" COOKTOP WITH 30" SINGLE OVEN BLW.				
4a. 1 5. 1	30" MICROWAVE / VENTED HOOD COMBINATION 39" CLEAR REFRIGERATOR SPACE			\frown	
ba. 1 b. (FAUX CABINET PANEL OVEN CABINET W/ MICROWAVE ABOVE AND 33" SINGLE OVEN BELOW				
l. 1 3. l	BASE CABINETS - REFER TO INTERIOR ELEVATIONS	_	HÔ	ME	
	BREAKFAST BAR - SEE INTERIOR ELEVATIONS	2			
	24"x30" CLEARANCE REQUIRED FOR WATER CLOSET				
2. T 2. L	GYSTEM AND 12" H. TEXTURED WALLS - VERIFY MFR. SPEC'S EIBERGIAGE DECTANCILLA TURED WALLS - VERIFY MFR. SPEC'S	5 E			-
2. (GLIED WASTE AND VENT SYSTEM, VERIFY DIMENSIONS WITH MIG'S SPEC'S. SHOWER TO PROVIDE 30" MINIMUM CLEAR SPACE. SHOWER SHALL HAVE A				
Ì	MINIMUM FINISHED INTERIOR OF 1024 SQUARE INCHES. SHOWER DOOR SHALL HAVE A 22" MINIMUM UNOBSTRUCTED OPENING	6 6	• •		
1 4. 1	FOR EGRESS. FIBERGLASS SHOWER WITH 12" H. TEXTURED WALLS - VERIFY MFR. SPEC'S				
5. 5 6. 1	6HATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE W/ TOWEL BAR TOWEL BAR / RING - PROVIDE 2X SOLID BACKING AND INSTALL +48" A.F.F.		•		8
7. F 8. 1	RECESSED MEDICINE CABINET (MIRRORED) TOILET PAPER HOLDER - PROVIDE 2X SOLID BACKING AND INSTALL +24" A F.F.				
9. I	144"x36" CONCRETE STOOP, U.N.O SLOPE MIN. 1/4" PER FOOT	6 8	• •	•	
		_			4
2. [() 2. [-	Pros	pec	t
Э. Ц ((2) 90° ELBOW AL ELBOWS REDUCE ALLOWABLE VENT LENGTH BY 22 FET PER ELINTERWEST		Car	long	•
4. F	PROVIDA "SMITTY PAN" WITH DRAIN BELOW AT WASHER OR WATER	-	Gar		
25. l	LAUNDRY SINK VERIFY DIMENSIONS WITH MANUFACTURER SPEC'S		TRACT NO	D. 2016-0	3
	BRACING AND DRAIN PARQUITH FOODRAIN TO EXTERIOR - DETAIL 13/AD6				
8.	PROVIDE TEMPERATURE & PRESSURE RELIEF VALVE AT WATER HEATER - DRAIN TO EXTERIOR (MAX 24" & MIN 6" ABV GRADE POINT END DOUIN)	•	KB H		
19. 3 1	3" DIA. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT	SC ORAN	GE COUN	UALIFUR TY / SAN	UNIA DIEG
60. F	F.A.U. IN ATTIC - REFER TO UTILITY PLAN AND DETAIL 112/ADG				<i>.</i> –
52. 12.	RETURN AIR GRILL (R.A.G.) - REFER TO MECHANICAL PLAN	99		MESA BL	VD. 24
نی. 4. (COATS WITH SHELF & POLE - DETAIL 104/ADG		040_70	л, СА 921 0-9100	งเ
10. 6.	LINEIX - WITH OHELF - KEFER 10 SPEC. FOR MATL & QIT. PANTRY - WITH SHELF - REFER TO SPEC. FOR MATL & QTY.		949-79	0-9119	
91. (38. l	WARDROBE W/ SHELF & POLE - REFER TO SPEC. FOR MAT'L & QTY.			•	
89. 10. 2	INTERIOR SHELF - REFER TO PLAN FOR HEIGHT 2X6 WALL	-	-	_	-
41. [42. [DOUBLE 2X4 WALL LOW WALL - REFER TO PLAN FOR HEIGHT		•	•	
13. (14. 1	CRIPPLE WALL BELOW EXTERIOR LOW WALL - SLOPE TO DRAIN: I" PER FOOT				
45. 9 46. 1	STUCCO POTSHELF - SLOPE TO DRAIN: 1" PER FOOT - SEE DETAIL 31/AD2 LOCATION OF PLUMBING WASTE DROP FROM ABOVE	-	_		
17. I 18	FLAT STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT ARCHED STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT		-		•
19. S	STUCCO CEILING PER - REFER TO ELEVATIONS				
51. I	HP 33" ELECTRIC FIREPLACE, TESTED IN ACCORDANCE WITHWITH UL 2021 AND CSA C222 NO 46-MI98 STANDARDS FOR FIVED AND LOCATION DEDICATED				
52. "	ELECTRIC ROOM HEATERS SEE DETAIL 60/AD3	ISSUE		09/11	/2023
53. 54	HEARTH - REFER TO SPEC. LIST FOR SIZE AND MAT'L.			4(л с 10486
- 1 . 55. \ 6	VENT TO OUTSIDE AIR TRAGE COLLECTION AREA WITH MINIMUM FOR DEDICATED TO DESIGN FOR	REV/IC	SIONS	10/05	J.C. /2023
ю. 1 51а. 1	IRADH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING MEDIA - SEE INTERIOR ELEVATIONS			0000	
57 <i>b.</i> 1 58. ∣	MEDIA - DESIGN BY OTHERS 15 RISERS AT 8' PLATE, 16 RISERS AT 9' PLATE - REFER TO		LAN CHECK 0/05/2023	– V.P.B.S.	2
59. (DETAILS IOI & IO2/AD6 GUARD WALL +42" U.N.O DETAIL 108/AD6	∧		REVISION	5
20. 1 	34" (38" MAX.) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - DTL. 103/AD6		01/31/2024		-
21. l (GYPSUM BOARD PONY WALL - REFER TO DETAIL 106/AD6				
2. 	14" X 6" G.I. SCREENED AND LOUVERED EXHAUST VENT - LOCATE ABOVE GARAGE CURB HEIGHT & OUT OF SHEAR WALL(S)				
93. (94.	GOTO SECTIONAL GARAGE DOOR				
5. 8 6. 1	8010 SECTIONAL GARAGE DOOR 1/2" GYPSUM BOARD ON CEILING AND WALLS AT USABLE SPACE UNDER STAIRS.				
5 1. 1	THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE				
68. (GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD	•			
(OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR-CEILING ASSEMBLY, THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY				
1 59. f	NOI LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT. FIRE SEPARATION AT CEILING OF SINGLE STORY GARAGE				
1 10. F	IU BE (I) LATER OF 5/8" TYPE 'X' GYPSUM BOARD REGERVED				
11. f 12. l	REGERVED INTERIOR GOFFIT - REFER TO PLAN FOR HEIGHT				
13. l 14. l	LINE OF FLOOR ABOVE LINE OF FLOOR BELOW				
15. I 16. I	DECORATIVE WROUGHT IRON RAIL - SEE EXT. ELEVATIONS WOOD PORCH RAIL - REFER TO DETAIL 148/AD8				
17. l 18. 2	WAINSCOT - STUCCO OVER FLAT 2x - REFER TO DETAIL 86/AD5 2" THICK STONE VENEER - REFER TO DETAIL 15/AD4				P
19. 2 30 "	2" THICK BRICK VENEER - REFER TO DETAIL 15/AD4 SIM. RESERVED	-	-	-	-
31. 4	42"x60" ACRYLIC DROP IN TUB - YERIFY DIMENSIONS WITH MANUFACTURER SPEC'S	•			
32. I	HOP MOPPED SHOWER FLOOR WITH "WEDI SYSTEM" ON WALLS AND WET SET $2"x^2$ CERAMIC TILE ON FLOOR AND 6"x6" CERAMIC TILE ON WALLS.		UNSED A	RCH	
ř 	PROVIDE 30" MINIMUM CLEAR SPACE.	- /	FRICE	CR.	
*	GENERAL PLAN NOTES			JGH	*))
f	DEE CF-IR FORMS, SHEET T-24 FOR ANY SPECIAL GLAZING OR SHADING REQUIREMENTS.		0. 	0491 No	//
!. и }. и	APPLY WEATHER PROOFING AT WINDOWS AND DOORS PER DETAIL 22/AD2. ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O.		TE OF	1-30-10P	/
i, j f	ALL INTERIOR DOORS TO BE HOLLOW CORE 1 3/4" THICK, U.N.O. (REFER TO PLAN FOR SIZE)				
). (ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE 1 3/8" THICK EXTERIOR GRADE (REFER TO PLAN FOR SIZE)				
5. j	ALL HOUSE TO GARAGE DOORS TO BE TIGHT FITTING, SOLID WOOD CORE I 3/8" SELF CLOSING & SELF LATCHING, W/ WEATHER-STRIPING (REFER TO PLAN FOR			OTS 4 6 9	<u>2 15</u>
	SIZE) DOOR TO BE GASKETED TO LIMIT AIR MOVEMENT. HOUSE TO GARAGE DOORS SHALL HAVE A FIRE PROTECTIVE RATING NO LESS		1/0)1///	
1 3 1	THAN 20 MINUTES. ALL ENTRY DOORS TO BE SOLID CORE 1 3/4" THICK (REFER TO PLAN FOR		143.4	<u> </u>	
,	GIZE) ALL FLOOR MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR JAMES IIN O		SHEE	T:	
0. ,	ALL SHELF HEIGHTS ARE FROM FINISHED FLOOR ELEVATION.	- 1		1.2	
l. f	PROVIDE (2) 6"XIB" GRILLS IN THE FIXED OPEN POSITION FOR COMBUSTION AIR AT BOTH SIDES OF WALL (1) WITHIN THE UPPER 12" OF THE ENCLOSURE AND THE	8 8			
2. F	OTHER ONE WITHIN THE LOWER 12" OF THE ENCLOSURE. REFER TO SP SHEETS FOR TYPICAL SITE PLAN FOR INTERIOR AND EXTERIOR				1
(f	OPENING PROTECTION REQUIREMENTS FOR WALLS CLOSER TO 5'-O" FROM PROPERTY LINE.			.∟∨⊏L ≊	i B
j. 1	ALL DUCT MENETRATIONS BETWEEN HOUSE AND GARAGE TO BE 26 GAUGE CONTINUOUS.		SAN	TEF	
, (The second		<i>– ,</i> , , , ,		
4. i	BATHROOM TO COMPLY WITH CRC SECTION R321 AGING-IN-PLACE DESIGN AND FALL PROTECTION. REFER TO SHEET 4.1 FOR DESIGN REQUIREMENTS.	52 52 			

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SLAB INTERFACE PLAN 'A'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")





DETAIL A SCALE 1/2"=1'-0" PRECAST TRIM SURROUND

PLAN 1-ALT



RIGHT ELEVATION 'A' SCALE: 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")



LEFT ELEVATION 'A' SCALE: |/4"=|'-0" (22"x34") - |/8"=|'-0" (||"x|7") AT LOTS 4, 6 \$ 15

Ħ	ELEVATION NOTES	
l.	ROOF MATERIAL - REFER TO ROOF NOTES	
2.	2X6 FASCIA/BARGE BOARD G L ELASHING	
4.	G.I. SADDLE FLASHING - REFER TO DETAIL 9/ADI	
5.	G.I. CRICKET TO DRAIN - REFER TO DETAIL II/ADI	
<i>6.</i> 1.	G.I. DRIP SCREED - SEE DETAIL 847AD5 DECORATIVE LOUVERED ATTIC VENT -	
	REFER TO ELEVATION FOR SIZE	
8.	14"x6" G.I. SCREENED & LOUVERED AIR VENT EIRERI ACE CHIMNEY CHIMNEY GUALLEYTEND A MIN OF 2'-O"	
.	ABOVE ANY PORTION OF THE HOUSE WITHIN 10', PROVIDE AN	
	APPROVED SPARK ARRESTOR ON TOP OF CHIMNEY.	
10. 	LINE OF VOLUME CEILING - PITCH 2:12 U.N.O. SECTIONAL GARAGE DOOR - VERIEY IIIINDOILL ORTION	
12.	CONCRETE STOOP/PORCH - REFER TO SLAB INTERFACE PLAN	
13.	OPTIONAL DOOR/ WINDOW - REFER TO FLOOR PLAN	
14. 15	EXTERIOR PLASTER - SEE SPECS. BRICK VENEER	
16.	2" THICK SYNTHETIC STONE VENEER - SEE DETAIL 81/AD5	
<u>П.</u>	WAINSCOT - STUCCO OVER FLAT 2x FRAMING - SEE DETAIL 86/AD5	
19.	DECORATIVE WROUGHT IRON 1/2" STUCCO CONTROL JOINT - REFER TO DETAIL 88/AD5	
20.	-2" RECESSED ELEMENT U.N.O REFER TO ELEVATION FOR SIZE	
21.	FLAT STUCCO SOFFIT - REFER TO DETAIL 80/AD4	5 5
22.	WOOD SOFFIT	
24.	STUCCO COLUMN	
25.	STUCCO POTSHELF - SLOPE TO DRAIN: 1" PER FOOT - SEE DETAIL 31/AD2	8 8
27.	PRE-MANFACTURED SHUTTER PER AMERICAN TILE OR EQUAL - REFER	
	TO ELEVATION FOR SIZE	_
28. 29.		
30.	6" DIA. DECOR //// /ENTS PER AMER CAN TILE OR EQUAL -	
31		
32.		
33.		
24. 35.	FIBER CEMENT SIDING STRAIGHT EDGE NOTCHED PANEL	
36.	TRIM AT SIDING - 5/4" FIBER CEMENT (PROVIDE 1/2" PLYWOOD BACKING	
27	WHEN TRIFT IS ADJACENT TO STUCCO TINDHES) EIRED CEMENT VERTICAL GIDING (TEXTURED) HIITH 1/2 EIRED CEMENT TRIM	-
.	AT 18" O.C. (U.N.O.) - REFER TO DETAILS '13' AND '14' ON SHEET AD4	SO SO
38.	KNEE BRACE - REFER TO DETAIL 20/ADI U.N.O.	ORAN
39.	I"X2" FOAM BATTENS WITH SAND FINISH EXTERIOR STUCCO - REFER TO ELEVATION FOR SPACING	-
40.	WOOD BEAM WRAPPED WITH IX RESAWN WOOD TRIM - SEE STRUCTURAL	99
	PLANS FOR SIZE POLICIL GAUNT MOOD POST MIN ANG UNION SEE STRUCT RUANG FOR SIZE	
41.	PORCH RAIL - REFER TO ELEVATION	
43.	ILLUMINATED ADDRESS PER CITY REQUIREMENTS, NUMBERS SHALL BE BLOCK	
	STYLE, A MINIMUM OF 4" IN HEIGHT, BLACK IN COLOR (OR OTHER APPROVED	
[/1\	REFER TO C.R.C. SECTION (R319)	
44.	POLYURETHANE TRUGG TAIL COVER - REFER TO ELEVATION FOR SIZE	
45.	ROUGH SAWN 3X6 BARGE BOARD EXTEND 6" PAST OVERHANG I 1/2" WIDE STUCCO CHANNEL - REFER TO DETAIL 92/AD5	
	NOTE:	
* AL	L UTILITY METERS, BOXES, ETC. ARE TO BE PAINTED	1 2 1 2
	MATCH THE SURFACE THEY ARE ADJACENT TO.	
L	EXTERIOR STUCCO FINISH	
OME	GA 'DIAMOND WALL' PLASTER SYSTEM CORR-0467, EPS TO USED IN THIS SYSTEM	
MIN.	THICKNESS I", MIN. DENSITY 1.5 PCF AND INSULATION VALUE R-4.	



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T.O.F

- REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED.





SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

6 8 8 8 8 8







SECTION 'A' SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

AT LOTS 4, 6 \$ 15

T.O.F.

#	SECTIC	N NOTES]••••
I. FLOOR SYSTEM - F	EFER TO STRU	ICTURAL		
3. ROOF PITCH - REF	ER TO ROOF N	IOTE		· · ·
4. PRE-MANUFACTURE	D WOOD ROOF	TRUSS SYSTEM - REFE	2	
5. GYPSUM WALLBOAN	RD TRUSS CALC	HEATHING		
6. EXTERIOR FINISH -	SEE ELEVATIO			
I. CONCRETE GARAGE	E 5LAB - 5LOF 3 AT 16" 0.0	~⊨ 2" MIN.		
9. 2x6 BALLOON FRAM	MING			
10. INSULATION - REFEI	R TO INSULATIO	N COMPONENT NOTES		I I HOME
(1) LAYER OF 1/2" (TPSUM BOAR	e and garage walls: D.	FROVIDE	
12. FIRE SEPARATION	BETWEEN SECO	ND FLOOR AND GARAG	E	-
(1) LAYER OF 5/8"	TYPE 'X' GYP.	BOARD.		
12a. FIRE SEPARATION	AT GARAGE CE	EILING PROVIDE (1) LAY	ER OF	
13. PROVIDE (1) LAYER	25 OF 5/8" TYF	PE 'X' GYPSUM BOARD	<u>-</u> АТ	
FACE OF TRUSS FR	OM CEILING TO	ROOF SHEATHING.	_	
14. 1/2" HIGH DENSITY (15. 1/2" GYP BOARD 1	DR 5/8" GYP. 1 YPICAL IIN 0	BOARD AT CEILING U.N.).	
16. SOFFIT - SEE PLAN	/ELEVATION FO	AR HEIGHT		
17. VOLUME CEILING - 18. 1/2" GYPSUM BOAR	2:12 PITCH D ON CEILING	AND WALLS AT USABLE	SPACE	
UNDER STAIRS.				
13. 5TAIR TREADS AND 20. 34"-38" HIGH CONT	/ RISERS, MIN. INUOUS, WALL-1	10" TREADS \$ 7 3/4" M, 10UNTED HANDRAII DTI	1X. RISERS 103/AD6	
21. GUARDWALL +42" U	N.O REFER 1	O DETAIL 108/AD6		
22. WOOD BALLUSTERS	AT 4" O.C. W/	HARDWOOD CAP ON 3	'HIGH 26	_
23. WHEN THERE IS	ACE A	BOVE AND BELOW THE	-	Prosper
		STOPS SHILL BE MAT		
SO THAT THE ,INTE	RWEST CONC	EALED SPACE DOES N	DT DT	. Cardona
EXCEED 1,000				
24. DOUBLE 2X TOF PL	ATE AT EXTER	IOR & BEARING WALLS		TRACT NO 2016-0
25. 2x P.T.D.F. SILL PL				
26. FIREBLOOKING25H2 STUD WALLS AND F	ARTITIONS. VE	RTICALLY AT THE CEILI	IG AND	
FLOOR LEVELS AND	O HORIZONTALI	Y AT INTERVALS NOT I	EXCEEDING	KB HOME
				SOUTHERN CALIFOR
				ORANGE COUNTY / SAN
FENESTRATION				
WINDOW TYPE	U-VAL	ue shg	2	SAN DIEGO, CA 921
SLIDER	0.28	0.22		949-790-9100
	0.28	0.22		949-790-9119
PATIO DOOR	0.28	0.22		+ $ -$
2. ALL LOTS WITHIN T GLASS DOORS WIT ASSEMBLIES AND (STC) RATING OF 2 PREPARED BY UR	HE PROJECT H WELL FITTEI A MINIMUM SC & PER THE F BAN CROSSE	REQUIRE WINDOW AND D, WELL WEATHER-STR DUND TRANSMISSION C INAL NOISE IMPACT A 20ADS (DATED DECE)) SLIDING IPPED ILASS INALYSIS 1BER 11.	
2020)				
INSULATION CC	MPONEN	TS		
TYPE		R-YALUE		7
EXTERIOR WALLS (2×6)	AT STUCCO	R-21 (BATT) + R-4.2	(RIGID FOAM)	ISSUE DATE: 09/11/
EXTERIOR WALLS (2x6)	AT SIDING	R-21 (BATT) + R-0 (NO RIGID FOAM)	
HOUSE/GARAGE WALLS	(2x6)	R-21		
INIKI DUOR	.F)	R-19		
ATTIC AT FURNACE				\neg REVISIONS: 10/05/
ATTIC INSULATION (UNVE	NTED ATTIC)	R-33 SPRAY FOAM	BELOW ROOF DECK	
				/1_10/05/2023 - V.P.B.S.
DUCT INSULATION		R-6		
ENERGY COMPLIANCE		S: PROVIDE ALL ITER	15 AND	MODEL WALK REVISIONS
ENERGY COMPLIANCE	DOCUMENTS I	NCORPORATED INTO	THESE	
	FOLLOWING)	:		
PLANS (INCLUDING THE			שמו	
PLANS (INCLUDING THE WINDOW SHGC'S AN FURNACE EFFICIEN(CIES AND CO	OLING SEER'S ENVELO	/r~ E	
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specifications SHALL NOT be held to permit

or approve the violation of any City,

County, State, Federal Laws or other

2022 California Building Standard C

Approved 03/06/2024

Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

restrictions.

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C-26497

PLAN: LOTS 4, 6 & 15

149.2144

HEET

SPEC. LEVEL 1

SANTEE PLAN 1-ALT

4.2

N A ■ ∰ ∎ lot ∎ ¥ of

--<u>T.O.P</u>

ALANCE/THERMOSTATI		IS REQUIRED		I
ASHER ALWAYS LOCA	TED LEFT OF	DRYER		
OTE: MAXIMUM FLOW F	RATE STANDA	RDS SET BY	CALIFORNIA E	
OMMISSION: A. WATER CLOSET	6:	1.28 G	PF	
B. SHOWERHEADS C. KITCHEN FAUCE D. LAVATORY FAU	: ETS: JCETS:	1.8 G 1.8 G 1.2 G	₽M ₽PM ₽PM	
TUCCO APPLIED OVER DF GRADE 'D' BUILDIN	R WOOD SHE IG PAPER	EATHING SHALL	. INCLUDE TWO	0 (2) LAYERS
MERGENCY EXITS ARE ROVIDED BY A DOOR MERGENCY EGRESS W HE FOLLOWING: CRC 3 a. A MINIMUM OPE FEET, WITH: 1. A 20-INCH 2. A 24-INCH 3. A SILL HEW THE LOAD	E REQUIRED I R OR WINDOW INDOWS IN AL 300.1.1 : ENING SIZE O MINIMUM NET MINIMUM NET GHT NO HIGH RESISTANCE	IN ALL SLEEPI J OPENING DIR LL SLEEPING F F 5.7 (5.0 AT CLEAR OPEN CLEAR OPEN ER THAN 44 II OF GLASS UN	NG AREAS AN RECTLY TO TH ROOMS MUST (GRADE LEVEL ING WIDTH AI ING HEIGHT A NCHES ABOVE DER UNIFORM	ID MAY BE E OUTSIDE. COMPLY WITH .) SQUARE ND AND E THE FLOOR. LOAD SHALL
BE DETERI 0 SECOND FLOOR WIN	MINED IN ACC	HALL BE LOC	ATED LOWER	o
HAN 24" A.F.F. WITHOUT	FALL PROTE	ECTION (R312.2))	
		ue	SHGC	
XED	0.28		0.22 0.22	
ATIC DOCE	0.28		0.22	
	0.28		0.22	
ASSEMBLIES AND 2 (STC) RATING OF 2 PREPARED BY URI 2020) NSULATION CO TPE	A MINIMUM SO 6 PER THE F BAN CROSSR MPONEN AT STUCCO	TS R-YALUE R-21 (BATT)	+ R-4.2 (RIGID	ыс II, FOAM)
TERIOR WALLS (2x6) : DUSE/GARAGE WALLS (AT SIDING	R-21 (BATT) R-21	+ R-0 (NO RIC	ID FOAM)
ITRY DOOR		R-1		
OOR (ABOYE GARAG	E)	R-19 		
	NTED ATTIC)	R-33 SPRAT	FOAM BELOU	J ROOF DECK
ADIANT BARRIER		 R-6		
QUIPMENT TO MATCH NERGY COMPLIANCE I LANS (INCLUDING THE WINDOW SHGC'S AN FURNACE EFFICIENC INSULATION R-VALU ALL MANDATORY N	THE SPECIFIC DOCUMENTS I FOLLOWING): D U-VALUES D U-VAL	ATIONS LISTEL NCORPORATE OLING SEER'S STED ON SHEE	ENVELOPE	>
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INTERIOR KEY







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OF GRADE 'D' BUILDIN					ļ
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OUSE/GARAGE WALLS	(2x6)	R-21		_]
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INTERIOR KEY





SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")







FIRST FLOOR PLAN OPTIONS SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



or approve the violation of any City, County, State, Federal Laws or other restrictions. 2022 California Building Standard Code Approved 03/06/2024

Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



Double Doors





Den w/ Powder

AT BORM, 5 W/ BATH 3

<u> </u>	FLOOR PLAN NOTES	
1. 2.	36" DOUBLE SINK STD. GARBAGE DISPOSAL - VERIFY MFR. SPEC'S DISHWASHER - PROVIDE SURFACE MOUNT AIR GAP - VERIFY MFR. SPEC'S	
3. 3a.	30" FREE-STANDING RANGE/OVEN COMBINATION 30" HOOD W/ LIGHT & FAN (VENT TO OUTSIDE AIR)	
4. 4a.	30" COOKTOP WITH 30" SINGLE OVEN BLW. 30" MICROWAVE / VENTED HOOD COMBINATION	
5. 5a.	39" CLEAR REFRIGERATOR SPACE FAUX CABINET PANEL	
6. 7.	OVEN CABINET W/ MICROWAVE ABOVE AND 33" SINGLE OVEN BELOW BASE CABINETS - REFER TO INTERIOR ELEVATIONS	
8. 9.	UPPER CABINETS - REFER TO INTERIOR ELEVATIONS BREAKFAST BAR - SEE INTERIOR ELEVATIONS	
10. 1.	ISLAND CABINET - REFER TO INTERIOR ELEVATIONS 24"x30" CLEARANCE REQUIRED FOR WATER CLOSET	®
12.	FIBERGLASS TUB/SHOWER COMBINATION W/ GLUED WASTE AND VENT SYSTEM AND 12" H. TEXTURED WALLS - VERIFY MFR. SPEC'S FIBERGLASS RECTANCILLAR TUB. AND SERARATE SUCHER (1021/24211) 11/	
. כו	GLUED WASTE AND VENT SYSTEM, VERIFY DIMENSIONS WITH MFG'S SPEC'S. SHOWER TO PROVIDE 30" MINIMUM CLEAR SPACE, SHOWER SHALL HAVE A	
	MINIMUM FINISHED INTERIOR OF 1024 SQUARE INCHES. SHOWER DOOR SHALL HAVE A 22" MINIMUM UNOBSTRUCTED OPENING	
14.	FOR EGRESS. FIBERGLASS SHOWER WITH 12" H. TEXTURED WALLS - VERIFY MFR. SPEC'S	
15. 16.	TOWEL BAR / RING - PROVIDE 2X SOLID BACKING AND INSTALL +48" A.F.F.	
11. 18. 19.	TOILET PAPER HOLDER - PROVIDE 2X SOLID BACKING AND INSTALL +24" A.F.F.	
20.	36" SQUARE CONCRETE STOOP U.N.O SLOPE MIN. 1/4" PER FOOT PEDESTAL LAVATORY	
22.	PROVIDE WATE OF THE FOR WASHER (VASHER CONTROL VALVES)	· Prospect ·
23.	DRYER VENT (DIAMETER) TO OUTSIDE AIR (MAX. LENGTH 14' W/ (2) 90° ELBOW AL ELBOWS REDUCE ALLOWABLE VENT LENGTH BY	Cardana
24.	2 FEET PER EL PROVIDA "GMITTY" PAN" WITH DRAIN BELOW AT WAGHER OR WATER URATER OF WATER TO DETAIL 2004 ADM	· Gardens ·
25. 26	LAUNDRY SNK VERIFY DIMENSIONS WITH NANUFACTURER SPEC'S	TRACT NO. 2016-03
2 6 . 27.	BRACING AND SRAIN PANOUHH FYO DRAIN TO EXTERIOR - DETAIL 13/ADG	
28.	PROVIDE TEMPERATURE & PRESSURE RELIEF VALVE AT WATER HEATER - DRAIN TO EXTERIOR (MAX. 24" & MIN. 6" ABY. GRADE POINT END DOWN)	
29.	3" DIA. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE - SEE DETAIL 120/AD6	ORANGE COUNTY / SAN DIEGO
30. 31.	F.A.U. IN ATTIC - REFER TO UTILITY PLAN AND DETAIL 112/AD6 DUCT CHASE - REFER TO MECH. PLAN	9915 MIRA MESA RI VD
32. 33.	RETURN AIR GRILL (R.A.G.) - REFER TO MECHANICAL PLAN 30"x30" (NO LESS THAN 22"x30") ATTIC ACCESS - DETAIL 114/AD6	SAN DIEGO, CA 92131
34. 35.	LINEN - WITH SHELF + FOLE - DETAIL 104/AD6 LINEN - WITH SHELF - REFER TO SPEC. FOR MAT'L & QTY.	949-790-9100
36. 31.	SHELF-REFER TO SPEC. FOR MAT'L & QTY.	949-790-9119
39.	WARDRODE W/ JHELF & MOLE - REFER TO SPEC. FOR MAT'L & QTY. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT 226 IIIALI	
40. 41. 12	DOUBLE 2X4 WALL	• • • • • •
42. 43.	CRIPPLE WALL BELOW	
45. 46	STUCCO POTSHELF - SLOPE TO DRAIN: I FER FOOT - SEE DETAIL 31/AD2	
40.	FLAT STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT	
49. 50.	STUCCO CEILING PER - REFER TO ELEVATIONS OPEN TO ROOF SHEATHING ABOVE - PROVIDE LATERAL CROSS BRACING	
51.	IHP 33" ELECTRIC FIREPLACE, TESTED IN ACCORDANCE WITHWITH UL 2021 AND CSA C22.2 NO. 46-MI38 STANDARDS FOR FIXED AND LOCATION DEDICATED	
52.	ELECTRIC ROOM HEATERS SEE DETAIL 60/AD3 RESERVED	PROJECT No.: 405999
53. 54.	HEARTH - REFER TO SPEC. LIST FOR SIZE AND MAT'L. FIREPLACE VENT	
1 55		
56.	VENT TO OUTSIDE AIR TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING	REVISIONS: 10/05/2023
56. 57a. 57b.	VENT TO OUTSIDE AIR TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING MEDIA - SEE INTERIOR ELEVATIONS MEDIA - DESIGN BY OTHERS	REVISION MGR.: J.C. REVISIONS: $10/05/2023$
56. 57a. 57b. 58.	VENT TO OUTSIDE AIR TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING MEDIA - SEE INTERIOR ELEVATIONS MEDIA - DESIGN BY OTHERS IS RISERS AT 8' PLATE, IG RISERS AT 9' PLATE - REFER TO DETAILS IOI & IO2/AD6 GUARD WALL +42" ILN O - DETAIL IO8/AD6	REVISION MGR.: J.C. REVISIONS: $10/05/2023$
56. 57a. 57b. 58. 59. 60.	VENT TO OUTSIDE AIR TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING MEDIA - SEE INTERIOR ELEVATIONS MEDIA - DESIGN BY OTHERS IS RISERS AT 8' PLATE, 16 RISERS AT 9' PLATE - REFER TO DETAILS 101 & 102/AD6 GUARD WALL +42" U.N.O DETAIL 108/AD6 34" (38" MAX.) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - DTL. 103/AD6	REVISION MGR.: J.C. REVISIONS: $10/05/2023$
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56. a. 57a. 57b. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 10. 11. 12. 13. 14. 15. 60. 81. 82. 81. 82. 81. 82. 82. 83. 84. 85. 85. 85. 85. 85. 85. 85. 85	VENT TO OUTSIDE AIR TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING MEDIA - SEE INTERIOR ELEVATIONS MEDIA - SEE INTERIOR ELEVATIONS MEDIA - SEE INTERIOR ELEVATIONS MEDIA - SEE INTERIOR ELEVATIONS B RISERS AT 8' PLATE, IS RISERS AT 9' PLATE - REFER TO DETAILS fol 4 102/AD6 GUARD WALL 42' U.N.O DETAIL 108/AD6 34' (38' MAX.) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - DTL. IO3/AD6 WOOD BALUSTERS • 4'' O.C. W' HARDWOOD CAP ON 3'' HIGH GYPSUM BOARD PONY WALL - REFER TO DETAIL 106/AD6 4'' X 6'' G.I. SCREENED AND LOUVERED EXHAUST VENT - LOCATE ABOVE GARAGE CURB HEIGHT 4 OUT OF SHEAR WALL(5) COMBUSTION AIR VENT 16010 SECTIONAL GARAGE DOOR 80'10 SECTIONAL BARAGE DOOR 80'10 SECTIONAL WHEN THE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN U?' GYPSUM BOARD APPLED TO THE GARAGE SIDE GARAGES SHEATH HABITABLE ROOMS HALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8' TYPE 'X'' GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR-CELING ASSEMBLY. THE SEPARATION AT CELING OF SINGLE STORY GARAGE TO BE (1) LAYER OF 5/8'' TYPE 'X' GYPSUM BOARD RESERVED NTERIOR SOFFIT - REFER TO PLAN FOR HEIGHT LINE OF FLOOR BELOW DECORATIVE WROUGHT IRON RAIL - SEE EXT. ELEVATIONS WOND FORCH RAIL - REFER TO DETAIL 15/AD4 2'' THICK STORY VENEER - REFER	DIVISION MIGR.: J.C. REVISIONS: 10/05/2023 PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S. PLAN CHECK COMMENTS PLAN CHECK COMMENTS PLA
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$\begin{array}{c} 56. \\ 56. \\ 571a. \\ 57b. \\ 58. \\ 59. \\ 60. \\ 61. \\ 62. \\ 63. \\ 64. \\ 65. \\ 66. \\ 61. \\ 68. \\ 69. \\ 10. \\ 11. \\ 12. \\ 13. \\ 14. \\ 15. \\ 16. \\ 11. \\ 12. \\ 3. \\ 4. \\ 5. \\ 6. \\ 1. \\ 8. \\ \end{array}$	VENT TO OUTGIDE AIR TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING MEDIA - DESIGN BY OTHERS IS RIGERS AT 8' PLATE, IS RISERS AT 9' PLATE - REFER TO DETAILS (01 4 102/AD6 GUARD WALL 412' UN.O DETAIL 108/AD6 34' (38' MAX.) HIGH, CONTINUOLS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - DTL. 103/AD6 WOOD BALLISTERS 4 4' (0.C. WI HARDWOOD CAP ON 3' HIGH GYTSWI BOARD FONY WALL - REFER TO DETAIL 106/AD6 4'' X 6' GL SCREENED AND LOUVERED EXHAUST VENT - LOCATE ABOVE GARAGE DOOR 8010 SECTIONAL GARAGE DO NO ELLING AND SHOLL ALSO BE FROEDLY. 905 LESS THAN V2'' GYPSUM BOARD OR EQUIVALENT. 1016 SECTION ABOVE BY NOT LESS THAN 50'' TYPE' X' GYPSUM BOARD 8020 PORCH RALL - REFER TO DETAIL MAJAGE 906 (J LAYER OF 5/8'' TYPE' X' GYPSUM BOARD 8020 PORCH RALL - REFER TO DETAIL MAJADA 9000 PORCH RALL - REFER TO DETAIL MAJADA 91000 SIGNE VENEER - REFER TO DETAIL MAJADA 921000 SIGNE VENEER - REFER TO DETAIL MAJADA 9210000 FORCH RALL - SEE EXT. ELEVATIONS 92000 PORCH RALL - REFER TO DETAIL MAJADA 9210000 SIGNE VENEER - REFER TO DETAIL MAJADA 9210000 SIGNE VENEER - REFER TO DETAIL MAJADA 92100000 SIGNE SHEER T-24 FOR ANY SPECIAL GLA	PLAN CHECK COMMENTS PLAN CHECK COMMENTS PLAN CHECK COMMENTS PLAN CHECK COMMENTS PLAN
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Shower I.L.O. Tub At BATH 2

SECOND FLOOR PLAN OPTIONS SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING:

Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

2022 California Building Standard Codes Approved 03/06/2024

Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



Door

AT PRIMARY BATH



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90. FALL IN ATTC - REFER TO UTLUTY PLAN AND DETAIL 10/AD6 91. DUCT CARGE - REFER TO MECH PLAN 92. STURN AR GRUL (RAG) - REFER TO MECHANICAL FLAN 93. SOVOM (MD LESS THAN DY ADDY ATTC ACCESS DETAIL 14/AD6 94. CARS WITH SHELF - REFER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATL 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATH 1 GTY. 95. BLEF ARTHER TO SPEC. FOR MATH 1 GTY. 95. BLEF ARTHER TO SPEC. FOR THAN PER FOOT 95. BLECTRIC FREE TO FLAN FOR HEIGHT 95. CONSTRUCT OFFILE THER MADDRES OR OF THE SPEC AND MATL. 95. BLECTRIC FREE TO SPEC. LIST FOR ALCONS BLECATED TO RECYCLING 95. BLECTRIC FREE TO SPEC. LIST FOR SIZE AND MATL. 95. BLECTRIC FREE TO SPEC. LIST FOR SIZE AND MATL. 95. BLECTRIC FREE TO SPEC. LIST FOR SIZE AND MATL. 95. BLECTRIC FREE TO SPEC. LIST FOR SIZE AND MATL. 95. BLECTRIC FREE TO SPEC. LIST FOR SIZE AND MATL. 95. BLECTRIC FREE TO SPEC. LIST FOR SIZE AND MATL. <tr< td=""></tr<>
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34 COATS WITH SHELF + REFER TO E-DETAL DATAGE SATU DIEGO, 0A 92 T31 35 LINN - WITH SHELF + REFER TO SHEC, FOR MATL 4 QTY. 949-790-9100 36 LINN - WITH SHELF - REFER TO SHEC, FOR MATL 4 QTY. 949-790-9100 37 SHELF-REFER TO SHEC, FOR MATL 4 QTY. 949-790-9100 38 WARDROBE W SHELF - NOLE - REFER TO SHEC, FOR MATL 4 QTY. 949-790-9100 39 WARDROBE W SHELF - NOLE - REFER TO SHEC, FOR MATL 4 QTY. 949-790-9100 39 WARDROBE W SHELF - NOLE - REFER TO SHEC, FOR MATL 4 QTY. 949-790-9100 39 WARDROBE W SHELF - NOLE - REFER TO SHEC, FOR MATL 4 QTY. 949-790-9100 39 WARDROBE W SHELF - NOLE - REFER TO SHEC, FOR MATL 4 QTY. 949-790-9100 30 WARDROBE W SHELF - NOLE - REFER TO SHE FOR NOR MATL 949-790-9100 4 DUBLE 2X WALL SECOPE TO DRAIN I' PER FOOT 949-790-9100 4 DUBLE CAN WALL SECOPE TO DRAIN I' PER FOOT 949-790-9100 5 REFERTE TO SHEAD AND LOCATON DEBEDEATED SECOPE TO DRAIN I' PER FOOT SHEAD AND LOCATON DEBEDEATED 949-790-9100 5 REFERTE TO SHEAD AND LOCATON DEBEDEATED SECOPE TO DRAIN I' PER FOOT SHEAD AND LOCATON DEBEDEATED 949-790-9100 5 REFERTE TO SHE
 94. PANRY 1 WITH BALLEF - REFER TO SPEC. FOR MATL 4 GTY. 949-790-9119 949-790-910414 949-790-91
 38. WARDROBE W SHELF + POLE - REFER TO SPEC. FOR MATL + QTY. 39. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT 30. ZOUBLE 2X4 WALL 41. DOUBLE 2X4 WALL 42. LOW WALL - REFER TO PLAN FOR HEIGHT 43. COMPLE WALL BELOW 44. EXTERIOR LOW WALL - SLOPE TO DRAIN. I'' PER FOOT 45. ETRICKO OF OTSHELF - SLOPE TO DRAIN. I'' PER FOOT 46. LOCATION OF PLUTHISMS WATE PORCH FROM ABOVE. 47. FLAT STUCCO SOFFTI - REFER TO ELEVATION FOR HEIGHT 48. ARCHED STUCCO SOFFTI - REFER TO ELEVATION FOR HEIGHT 49. STUCCO CONTH - REFER TO ELEVATION FOR HEIGHT 40. ACCHED STUCCO SOFFTI - REFER TO ELEVATION FOR HEIGHT 41. FLAT STUCCO SOFFTI - REFER TO ELEVATION FOR HEIGHT 42. ARCHED STUCCO SOFFTI - REFER TO ELEVATION FOR HEIGHT 43. ARCHED STUCCO SOFFTI - REFER TO ELEVATION FOR HEIGHT 44. FACHED STUCCO SOFFTI - REFER TO ELEVATION FOR HEIGHT 45. RESERVED 34. HEARTH - REFER TO SPEC. LIST FOR SIZE AND MATL. 54. FREPTACE VENT 55. MEDIA - SEE INTERIOR ELEVATIONS 54. HEARTH - REFER TO SPEC. LIST FOR SIZE AND MATL. 54. FREPTACE VENT 55. MEDIA - SEE INTERIOR ELEVATIONS 54. HEARTH - REFER TO ELEVATIONS 55. MEDIA - SEE INTERIOR ELEVATIONS 56. B. RIBERS AT 8' PLATE. IS RIBERS AT 9' PLATE - REFER TO DETAIL BO/ADE 57. GENERAL DAD LOVER DETAIL HOWING DOA DE ON 3'' HIGH GYTPHIM BOARD FONT WALL - NETHER TO ELEVATIONS 56. OTO SECTIONAL GARAGE CURG HEIGHT + OUT OF BHEAR WALL(s) 57. CONTINUES WALL - HADINADE EXAMPLE YENT - LOCATE ABOVE GARAGE CHE HEIGHT 4 OUT OF SHEAR WALL(s) 56. CONTISTION ARY PHT 56. BOTO SECTIONAL GARAGE COOR 66. CONTALE REFER TO LEST TAN SPECTOR THE RESIDENCE AND INF ATTIC AREAGE STION AR ACEE TOON THE RESIDENCE AND INF ATTIC AREAGE STION AR CHENT HABITABLE ROOTA SHARAGE DOOR 66. CONTALE ROOM SAGAGE DOOR 66. CONTALE ROOM SHALL AND ADEL POROT
 40. 2X6 WALL 41. DOUBLE 2X4 WALL 42. LOW WALL - REFER TO PLAN FOR HEIGHT 43. COMPLET WALL BELOW 44. EXTERIOR LOW WALL - SLOPE TO DRAIN. I' PER FOOT - SEE DETAIL 3/AD2 44. EXTERIOR LOW WALL - SLOPE TO DRAIN. I' PER FOOT - SEE DETAIL 3/AD2 45. LOCATION OF FLUTBANG WASTE DROP FROM ABOVE 41. FLAT STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT 48. ARCHED STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT 49. STUCCO CELLING PER - REFER TO ELEVATION FOR HEIGHT 40. ACKED STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT 41. GROM DETAIR STANDARDS FOR FNED AND LOCATION DEDICATED 41. FREEFLACE VENT 52. HEARTH - REFER TO SPEC. LIST FOR SIZE AND MATL. 54. FREEFLACE VENT 55. WENT TO OUTSIDE AIR 56. TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING 518. MEARTH - REFER TO SPEC. LIST FOR SIZE AND MATL. 54. FREEFLACE VENT 55. WENT CO UTSIDE AIR 56. TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING 57. MEDIA - DESIGN BY OTHERS 58. B RSERS AT 8' PLATE, IC REFER TO DETAIL 50/ADE 59. BIGGERS AT 8' PLATE, IC REFER TO TO LEVATIONS 50. MODEL WALK REVISIONS 51. MEDIA - DESIGN BY OTHERS 52. MEDIA - DESIGN BY OTHERS 53. MEARTH AX2 HIGH, CONTINUOLG, WALL-MOUNDED HANDRAIL AT STAIRS WITH (4) OR MORE REFERS - DTL. 103/ADE 52. COMBUSTENG AT 8' OC. WI HARDWOOD CAP ON 3' HIGH GYTFWIM BOARD PONN WALL - REFER TO DETAIL ISANDADE 52. CONSTITION AR AVENT 52. CONSTITION AR AVENT 52. MEARTH ARAGE DOOR 53. SOUTO SECTIONAL GARAGE DOOR 54. GLI SCREEME AND LOUCENDE EXHAUST VENT - LOCATE ABOVE GARAGE DOOR 56. IN TO KAR WITH 57. HE STINKA SHOP THE TH OT LESS THAN SIGT THE 'Y GIFFWIM DOARD OF RETING AT REPARATION IS A FLORE STAILES AND PROVE DE STAILES AND PROVE DE NOTAST THE S'Y RESTING AND WALL ASOD DE PROTECHED BY NOT LESS
 42. LOW WALL - REFER TO PLAN FOR HEIGHT 43. COMPRE WALL BELOW 44. EXTERIOR LOW WALL - SLOPE TO DRAIN. I' PER FOOT - SEE DETAIL 31/AD2 44. EXTERIOR LOW WALL - SLOPE TO DRAIN. I' PER FOOT - SEE DETAIL 31/AD2 45. LOCATION OF PLUMBANG WASTE DROP FROM ABOVE 41. FLAT STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT 43. STUCCO SCIELING FER. REFER TO ELEVATION FOR HEIGHT 44. STELCTCK OF REPLACE, TSETED IN ACCORDANCE WITHWITH UL 201 AND CSA C22 100. 46-MB9 STANDARDS FOR FIXED AND LOCATION DEDICATED ELECTRIC REPLACE. TSETE TO ALCANARCE WITHWITH UL 201 AND CSA C22 100. 46-MB9 STANDARDS FOR FIXED AND LOCATION DEDICATED ELECTRIC REPLACE. TSETE TO SEE DATAL 60/AD3 45. FRESERVED 33. HEARTH - REFER TO SPEC. LIST FOR SIZE AND MATL. 44. FREFILACE VENT 55. MEDIA - SEE INTERIOR ELEVATIONS 56. B RISERS AT 9' PLATE, IS RISERS AT 9' PLATE - REFER TO DETAILS IOI 107/ADS 57. MEDIA - SEE INTERIOR ELEVATIONS 58. B RISERS AT 9' PLATE, IS RISERS AT 9' PLATE - REFER TO DETAILS IOI 107/ADS 59. GUARD WALL 47' UNO DETAIL IOB/ADE 60. JAY (38' MAX) HIGH. CONTINUOUS, WALL-MOUNTED HANDRAIL AT STARS WITH (4) OR MORE REFERS - 01 LO3/AD6 61. WOOD BALUSTERS • 4' OC. WI HARDWOOD CAP ON 3' HIGH GYRBWI BOARD PONY WALL - REFER TO DETAIL IOS/AD6 62. MAX / GLI SCREENED AND LOVERED EXAMINET HANDRAIL AT STARS WITH (4) OR MORE REFERS - 01 COLL GARDAE 63. COMBISTION AR VENT 64. IGOTO SECTIONAL GARAGE DOOR 65. SOTO SECTIONAL GARAGE DOOR 65. SOTO SECTIONAL GARAGE DOOR 66. LOY GYRBWI BOARD CON'S GAULDATIC HE RESUDENCE AND ITS ATTIC AREA BY NOT LESS THAN 10' GYRBWI BOARD APPLED TO THE GARAGE SIDE OR EAGARGE SHALL BERSPARATED FROM THE RESUDENCE AND ITS ATTIC AREA BY NOT LESS THAN 10' GYRBWI BOARD APPLED TO THE GARAGE SIDE OR GARAGES BENEATH HARTADIN HANDRAIL ALSO BE PROTECTED BY NOT LESS THAN 10' GYRBWI BOARD OR FOLOW CLUBTION BOARD OR ECON'S ABOVE BY N
 44. EXTERIOR LOW WALL - SLOPE TO DRAIN: I' PER FOOT 45. STUCCO POTHELF - SLOPE TO DRAIN: I' PER FOOT - SEE DETAIL 3VAD2 46. LOCATION OF PLUTHING WASTE DOOP FROM ABOVE 41. FLAT STUCCO SOFTT - REFER TO ELEVATION FOR HEIGHT 43. ACCHED STUCCO SOFTT - REFER TO ELEVATION FOR HEIGHT 44. ACCHED STUCCO SOFTT - REFER TO ELEVATION FOR HEIGHT 45. STUCCO CELLING FER - REFER TO ELEVATION FOR HEIGHT 46. TRASH COLLECTION AREA JUTT FOR STANDARDS FOR FIXED AND LOCATION DEDICATED 47. FREFLACE VENT 48. FREFLACE VENT 49. TREFER - SEE DETAIL 60/AD3 49. TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING 51. MEDIA - SEE INTERIOR ELEVATIONS 52. RESERVED 53. BRIERE AT 8' PLATE, IS RISERS AT 9' PLATE - REFER TO DETAIL 50/AD6 54. (JATHE 10, JACADE 51 9) TOLESS 55. MEDIA - SEE INTERIOR ELEVATIONS 50. GUARD WALL 42' UNO, - DETAIL 108/AD6 60. 34' (38' MAX) HIGH, CONTINUOS, WALL-MOUNTED HANDRAIL AT STARS WITH (4) 64. WOOD BALUSTERS • AT 9' PLATE IN RESERS AT 9' PLATE - REFER TO DETAIL 50/AD6 64. WAX HIGH, CONTINUOS, WALL-MOUNTED HANDRAIL AT STARS WITH (4) 65. BOTO SECTIONAL GARAGE CIRP HERE TO DETAIL 106/AD6 66. WAX HIGH, CONTINUOS, WALL -MOUNTED HANDRAIL AT STARS WITH (4) 67. GRARAGE SHALL HABITABLE ROOR 66. JOT SECTIONAL GARAGE DOOR 66. JOT SECTIONAL GARAGE DOOR 66. JOT SECTIONAL GARAGE DOOR 66. GARAGES BENEATH HABITABLE ROOTS SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN X50' TYPE 'X' GYESHIM BOARD ON' CLENG SHALL SASE BENEATH HABITABLE ROOTS SHALL BE SEPARATION FROM SHALL BAS DEE PROTECTED BY NOT LESS THAN X50' TYPE 'X' GYESHIM BOARD ON' CLENG THABITABLE ROOTS SHALL BE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN X50' TYPE 'X' GYESHIM BOARD ON' CLENG THABITABLE ROOTS SHALL BE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN X50' TYPE 'X' GYES
 Location OF PLUMBING WASTE DROP FROM ABOVE 11. PLAT STUCCO SOFTH - REFER TO ELEVATION FOR HEIGHT ARCLUG SOFTH - REFER TO ELEVATIONS OPEN TO ROOF SHEATHING ABOVE - FROVOE LATERAL CROSS BRACING IMP 33' ELECTRIC FREPLACE TESTED IN ACCORDANCE WITHWITH UL 201 AND CSA C721 NO 46-MBB STANDARDS FOR FXED AND LOCATION DEDICATED ELECTRIC ROOM HEATERS SEE DETAIL 60/AD3 RESERVED HEASTH - REFER TO SPEC. LIST FOR SIZE AND MATL. HEASTH - REFER TO SPEC. LIST FOR SIZE AND MATL. HEASTH - REFER TO SPEC. LIST FOR SIZE AND MATL. HEASTH - REFER TO SPEC. LIST FOR SIZE AND MATL. HEASTH - REFER TO SPEC. LIST FOR SIZE AND MATL. HEASTH - REFER TO SPEC. LIST FOR SIZE AND MATL. HEASTH - REFER TO SPEC. LIST FOR SIZE AND MATL. HEASTH - REFER TO SPEC. LIST FOR SIZE AND MATL. HEASTH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING TIDIA - DESIGN BY OTHERS B ROBERS AT 8' PLATE, IS REFERS AT 9' PLATE - REFER TO DETAILS 101 4 107/AD6 GUARD WALL 44" UNO DETAIL 108/AD6 GARAGE WALL 44" UNO DETAIL 108/AD6 GARAGE CURP HOL CONTINUEL WALLT - REFER TO DETAIL 106/AD6 LUCOD BALUSTERS # 4" OC. WI HARDWOOD CAP ON 3" HIGH GTREWIN BOARD ONN WALL - REFER TO DETAIL 106/AD6 WOOD BALUSTERS # 4" OC. WI HADDWOOD CAP ON 3" HIGH GTREWIN BOARD ONN WALLS AT USABLE SPACE UNDER STAIRS. HE SECTIONAL GARAGE CURP HEIGHT FOM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN XI'G YERWIN BOARD APPILED TO THE GARAGE SIDE GARAGE BENERTH HABTABLE COMS HAULT BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 50% TYPE "X" GTREWIN BOARD OF ECIDINAL GARAGE DOOR BOARD APPILED TO THE GARAGE SIDE GARAGE SEMENTING THE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 50% TYPE "X" GTREWIN BOARD OF REGUNALENT WHERE THE SEPARATION NA FLOOR SHALL ALSO BE PROTECTED BY NOT LESS THAN X''G TYPEWIN BOARD APPILED TO THE GARAGE SIDE TO BE (0) LATER OF 50
 48. ARCHED STUCCO SOFFIT - REFER TO ELEVATION FOR HEIGHT 49. STUCCO CELLING PER - REFER TO ELEVATION FOR HEIGHT 49. STUCCO CELLING PER - REFER TO ELEVATION FOR HEIGHT 49. STUCCO CELLING PER - REFER TO ELEVATION EDITATICAL CROSS BRACING 50. OPEN TO ROOF SHEATHING ABOVE - PROVIDE LATERAL CROSS BRACING 51. HEP 33" ELECTRIC FIREFLACE, TESTED IN ACCORDANCE WITHWITH UL 2021 AND CGA CO221 NO. 46-MIBS STANDARDE FOR FIVED AND LOCATION DEDICATED ELECTRIC ROOM HEATERS SEE DETAIL 60/AD3 52. RESERVED 53. HEARTH - REFER TO SFEC. LIST FOR SIZE AND MAT'L. 54. FIREPLACE VENT 55. VENT TO OUTSIDE AIR 56. TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING 51. MEDIA - SEE INTERIOR ELEVATIONS 52. MEDIA - SEE INTERIOR RELEVATIONS 53. BI RISERS AT 8' PLATE. IS RISERS AT 3' PLATE - REFER TO DETAILS 101 4 021AD6 54. GUARD WALL 42' UNO DETAIL 108/AD6 55. BI RISERS AT 8' PLATE. IS RISERS AT 3' PLATE - REFER TO DETAILS 101 4 021AD6 56. GUARD WALL 42' UNO DETAIL 108/AD6 57. GUARD MALL 42' UNO DETAIL 108/AD6 58. BI RISERS AT 9' PLATE. IS RISERS AT 9' PLATE - REFER TO DETAIL 10/05/2023 - V.P.B.S. 59. GUARD WALL 42' UNO DETAIL 108/AD6 50. MEDIA - SEE NTERIOR ELEVATIONS WALL-MOINTED HANDRAIL AT STARS WITH (4) OR MORE RISERS - 4' 0.C. WI HARDWOOD CAP ON 3' HIGH GYPSWIM BOARD PONY WALL - REFER TO DETAIL 106/AD6 50. MEDIA TO AND LOUVERED EXHAUST VENT - LOCATE ABOVE GARAGE DOOR 50. SOTO SECTIONAL GARAGE DOOR 50. SOTO SECTIONAL GARAGE DOOR 50. GUARDES CHAN VENT 51. HE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND TIS ATTIC AREA BY NOT LESS THAN VIS' TOPE TA'K GITSWIM BOARD OR EQUIVALENT. 52. FIRE SEPARATION AT CELING AND WALLS AT USABLE SPACE UNDER STAIRS. 53. HE SEPARATION AT CELING AND BUALL ALSO BE PROTECTED BY NOT LESS THAN VIS' GYPSWIM BOARD OR EQUIVALENT. 54
 50. OPEN TO ROOF SHEATHING ABOVE - PROVIDE LATERAL CROSS BRACING 11. HP 33" ELECTRIC FREPLACE TESTED IN ACCORDANCE WITHWITH UL 2021 AND CGA C22.2 NO. 46-1198 STANDARDS FOR FIXED AND LOCATION DEDICATED ELECTRIC ROOM HEATERS SEE DETAIL 60/AD3 RESERVED 31. HEARTH - REFER TO SPEC, LIST FOR SIZE AND MATL. 51. MEDIA - REFER TO SPEC, LIST FOR SIZE AND MATL. 51. MEDIA - DESIGN BY OTHERS 52. MEDIA - DESIGN BY OTHERS 53. B RISERS AT 8' PLATE, IS RISERS AT 9' PLATE - REFER TO DETAILS IO1 4 IO2/AD6 54. SIZE MITENCOR ELEVATIONS 55. B RISERS AT 8' PLATE, IS RISERS AT 9' PLATE - REFER TO DETAIL IO1/AD6 56. GUARD WALL 42" UNO DETAIL IO8/AD6 66. 34" (38" MAX.) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - OTL. IO3/AD6 61. WOOD BALUSTERS - 4" O.C. WI HARDWOOD CAP ON 3" HIGH GYTSUM BOARD PONY WALL. REFER TO DETAIL IC6/AD6 62. IA" X 6" GLI SCREENED AND LOUVERED EXHAUST VENT - LOCATE ABOVE GARAGE DOOR 63. BOTO SECTIONAL GARAGE DOOR 64. WOOD SECTIONAL GARAGE DOOR 65. BOTO SECTIONAL GARAGE DOOR 66. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN X'S GYPENM BOARD APPLED TO THE GARAGE BIDE 64. JR" GYPSUM DOARD ON CELLING AND WALLS AT USABLE SPACE UNDER STAIRS. 65. BOTO SECTIONAL GARAGE DOOR 66. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN X'S GYPENM BOARD APPLED TO THE GRAGE BIDE 65. GARAGES BENEATH HABITABLE ROOMS SHALL ALSO BE PROTECTED BY NOT LESS THAN Y'S GYPENM BOARD APPLED TO THE GRAGE BIDE 66. GARAGES BENEATH HABITABLE ROOMS SHALL ALSO BE PROTECTED BY NOT LESS THAN Y'S GYPENM BOARD APPLED 10. REEERYED 10. REEERYED 10. REEERYED 10. REEERYED 10. REEERYED
CSA C22 NO. 46-MI98 STANDARDS FOR FIXED AND LOCATION DEDICATED ELECTRIC ROOM HEATERS SEE DETAIL 60/AD3 ISSUE DATE: 09/11/2023 S2. RESERVED RESERVED S3. HEARTH - REFER TO SPEC. LIST FOR SIZE AND MATL. PROJECT No.: 405999 S4. FIREFLACE VENT DIVISION MGR.: J.C. S5. VENT TO OUTSIDE AIR REVENT S6. TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING DIVISION MGR.: J.C. S6. TRASH COLLECTION AREA WITH MINIMUM 50% DEDICATED TO RECYCLING DIVISION MGR.: J.C. S6. B RISERS AT 8' PLATE, Is RISERS AT 9' PLATE - REFER TO DETAILS IOI 4 102/AD6 PLATE, Is RISERS AT 9' PLATE - REFER TO DETAIL 106/AD6 S6. B RISERS AT 8' PLATE, Is RISERS AT 9' PLATE - REFER TO DETAIL 106/AD6 PLAN CHECK COMMENTS S6. B RISERS F - DTL. 103/AD6 MODEL WALK REVISIONS S6. J 34' (39' MAX) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - 01L. 103/AD6 S6. J 34' (39' MAX) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - 01L. 103/AD6 S6. J 34' (39' MAX) HIGH, CONTINUOUS, WALL-MOUNTED HANDRAIL AT STAIRS WITH (4) OR MORE RISERS - 01L. 103/AD6 S6. J 4'' X 6' G.I SCREENED AND LOUVERED EXHAUST VENT - LOCATE ABOVE GARAGE CURB HEIGHT 4 OUT OF SHEAR WALL(6) S6. J COMBUSTION AIR VENT S6. SOTO SECTIONAL GARAGE DOOR S6. V3'' (TYBUM BOARD ON CELING AND WALLS AT USARD AFPLIED TO THE GARAGE SIDE </td
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13. LINE OF FLOOR ABOVE 14. LINE OF FLOOR BELOW
15. DECORATIVE WROUGHT IRON RAIL - SEE EXT. ELEVATIONS 16. WOOD PORCH RAIL - REFER TO DETAIL 148/AD8
11. WAINSCOT - STUCCO OVER FLAT 2x - REFER TO DETAIL 86/AD5 18. 2" THICK STONE VENEER - REFER TO DETAIL 15/AD4
19. 2" THICK BRICK VENEER - REFER TO DETAIL 15/AD4 SIM. 80. REGERVED
81. 42"x60" ACRYLIC DROP IN TUB - VERIFY DIMENSIONS WITH MANUFACTURER SPEC'S
82. HOP MOPPED SHOWER FLOOR WITH "WEDI SYSTEM" ON WALLS AND WET SET 2"x2 CERAMIC TILE ON FLOOR AND 6"x6" CERAMIC TILE ON WALLS.
GENERAL PLAN NOTES
L SEE CF-IR FORMS, SHEET T-24 FOR ANY SPECIAL GLAZING OR SHADING Image: Comparison of the second seco
2. APPLY WEATHER PROOFING AT WINDOWS AND DOORS PER DETAIL 22/AD2.
3. ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O. 4. ALL INTERIOR DOORS TO BE HOLLOW CORE 1 3/4" THICK, U.N.O. (REFER TO
5. ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE 1 3/8" THICK EXTERIOR
6. ALL HOUSE TO GARAGE DOORS TO BE TIGHT FITTING, SOLID WOOD CORE 3/8"
6. ALL HOUSE TO GARAGE DOORS TO BE TIGHT FITTING, SOLID WOOD CORE I 3/8" SELF CLOSING & SELF LATCHING, W/ WEATHER-STRIPING (REFER TO PLAN FOR SIZE) DOOR TO BE GASKETED TO LIMIT AIR MOVEMENT.
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BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions. 22 California Building Standard Cod

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

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PARTIAL SLAB INTERFACE PLAN 'A' ('B' SIM.)

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

AT QUAD DOORS

PARTIAL SLAB INTERFACE PLAN OPTIONS



PARTIAL SLAB INTERFACE PLAN 'B'

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")






Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



PARTIAL SECOND FLOOR PLAN 'A'



PARTIAL FIRST FLOOR PLAN 'A'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



	HIGH FIRE AREA NOTES		
1.	ROOF COVERINGS SHALL BE CLASS 'A' AS SPECIFIED IN SECTION 1505.2 OF THE CALIFORNIA BUILDING CODE. WOOD-SHINGLE AND WOOD-SHAKE ROOFS ARE PROHIBITED IN VERY HIGH FIRE HAZARD SEVERITY ZONES, REGARDLESS OF CLASSIFICATION. (FIRE CODE 4905.2)	5.	5. EAVES AND SOFFITS SHALL MEET ONE OF THE FOLLOWING: A. NONCOMBUSTIBLE CONSTRUCTION ON THE EXPOSED UNDERSIDE OR B. PROTECTED BY IGNITION-RESISTANT MATERIALS OR C. MEET THE REQUIREMENTS OF SFM 12-1A-3 (FIRE CODE 4905.2)
2.	ROOF VALLEY FLASHINGS SHALL BE NOT LESS THAN 0.019-INCH (NO. 26	6.	6. WOOD BURNING FIREPLACES ARE NOT PERMITTED.
	OVER A MINIMUM 36-INCH WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 12 ASTM CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY. (FIRE CODE 4905.2)	٦.	1. ROOF INSTALLATION SHALL COMPLY WITH UES REPORT NUMBER: 412 CLASS 'A' ROOF COVERING AND SECTION R331 OF THE 2022 C.R.C AND CHAPTER 1A 2022 C.B.C.
3.	ROOF GUTTERS SHALL BE NON-COMBUSTIBLE AND BE PROVIDED WITH A MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER (FIRE CODE 49052)	8.	8. ADDRESS NUMBERS MUST BE A MINIMUM OF 4" TALL, NON-COMBUSTIBLE AUTOMATICALLY ILLUMINATED AND CONTRAST WITH THE BACKGROUND.
4.	ROOF AND ATTIC VENTS SHALL RESIST THE INTRUSION OF FLAME AND	9.	9. "BIRD STOP" IS REQUIRED ON THE STARTER COURSES OF ALL 'S' ROOF TILE.
	SHALL BE PROTECTED BY CORROSION-RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH 1/8-INCH OPENINGS. VENTS SHALL NOT BE INSTALLED IN EAVES OR CORNICES. (FIRE CODE 4905.2)	10.	10. INSULATION INSTALLED IN VENTILATED SPACES MUST BE UN-FACED AND NON-COMBUSTIBLE.







DETAIL A Scale 1/2"=1'-0" PRECAST TRIM SURROUND











PLANS APPROVED BY THE CITY OF SANTE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject

to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

22 California Building Standard Co



ELEVATION NOTES	•••••	
I. ROOF MATERIAL - REFER TO ROOF NOTES 2. 2x6 FASCIA/BARGE BOARD		
3. G.I. FLASHING 4. G.I. SADDLE FLASHING - REFER TO DETAIL 9/ADI		
 G.I. CRICKET TO DRAIN - REFER TO DETAIL 11/ADI G.I. DRIP SCREED - SEE DETAIL 84/AD5 		
1. DECORATIVE LOUVERED ATTIC VENT - REFER TO ELEVATION FOR SIZE	KU	
8. 14"x6" G.I. SCREENED & LOUVERED AIR VENT 9. FIREPLACE CHIMNEY. CHIMNEY SHALL EXTEND A MIN. OF 2'-O"		
ABOVE ANY PORTION OF THE HOUSE WITHIN 10'. PROVIDE AN APPROVED SPARK ARRESTOR ON TOP OF CHIMNEY.	HOME	
10. LINE OF VOLUME CEILING - PITCH 2:12 U.N.O. 11. SECTIONAL GARAGE DOOR - VERIFY WINDOW OPTION 12. CONCRETE STOOP/ROBOLI - REFER TO SLAR INTERFACE RIAN		
12. CONCRETE STOOP/FORCH - REFER TO SLAD INTERFACE PLAN 13. OPTIONAL DOOR/ WINDOW - REFER TO FLOOR PLAN 14. EXTERIOR PLASTER - SEE SPECS		
15. BRICK VENEER 16. 2" THICK SYNTHETIC STONE VENEER - SEE DETAIL 81/AD5		
11. WAINSCOT - STUCCO OVER FLAT 2x FRAMING - SEE DETAIL 86/AD5 18. DECORATIVE WROUGHT IRON		
19. 1/2" STUCCO CONTROL JOINT - REFER TO DETAIL 88/AD5 202" RECESSED ELEMENT U.N.O REFER TO ELEVATION FOR SIZE		
21. FLAT STUCCO SOFFIT - REFER TO DETAIL 80/AD4 22. ARCHED STUCCO SOFFIT		
23. WOOD SOFFIT 24. STUCCO COLUMN		
25. STUCCO POTSHELF - SLOPE TO DRAIN: I" PER FOOT - SEE DETAIL 31/AD2 26. POLYURETHANE, FOAM OR WOOD CORBEL - REFER TO ELEVATION		
21. PRE-MARACIURED SHUTTER PER AMERICAN TILE OR EQUAL - REFER		
20. EXTERIOR PLA 29. EXTERIOR PLA FOAM TRIM 20. EVENIOR PEOP	⁻ Prospect	
REFER TO DETINTERWEST	Gardens	
32. WOOD TAIM OFF ELECTION OR ZE 33. FIBER CENENT UNIT VERTICAL SIDING 8" EXPOSURE U.N.O. (W/ TEXTURED FINISH)		
34. FIBER CEMENT SIDING STRAIGHT EDGE NOTCHED PANEL 35. FIBER CEMENT SIDING GTAGGERED EDGE NOTCHED PANEL	TRACT NO. 2016-03 ■	
36. TRIM AT SIDING - 5/4" FIBER CEMENT (PROVIDE 1/2" PLYWOOD BACKING WHEN TRIFT IS ADJACENT TO STUCCO FINISHES)		
 FIBER CEMENT VERTICAL SIDING (TEXTURED) WITH 1X2 FIBER CEMENT TRIM AT 18" O.C. (U.N.O.) - REFER TO DETAILS '73' AND '74' ON SHEET AD4 	SOUTHERN CALIFORNIA	
38. KNEE BRACE - REFER TO DETAIL 20/ADI U.N.O. 39. I"x2" FOAM BATTENS WITH SAND FINISH EXTERIOR STUCCO - REFER TO	ORANGE COUNTY / SAN DIEG	
40. WOOD BEAM WRAPPED WITH IX RESAWN WOOD TRIM - SEE STRUCTURAL	9915 MIRA MESA BLVD.	
41. ROUGH SAWN WOOD POST MIN. 6X6 U.N.O SEE STRUCT. PLANS FOR SIZE	∎ SAN DIEGO, CA 92131	
42. FORCE RAIL - REFER TO ELEVATION 43. ILLUMINATED ADDRESS PER CITY REQUIREMENTS, NUMBERS SHALL BE BLOCK STYLE A MINIMUM OF 4" IN HEIGHT BLACK IN COLOR (OR OTHER APPROVED	949-790-9100	
COLOR), IN CONTRAST WITH THEIR BACKGROUND	949-790-9119	
44. POLYURETHANE TRUSS TAIL COVER - REFER TO ELEVATION FOR SIZE 45. ROUGH SAWN 3X6 BARGE BOARD EXTEND 6" PAST OVERHANG		
46. 1 1/2" WIDE STUCCO CHANNEL - REFER TO DETAIL 92/AD5		
* ALL UTILITY METERS, BOXES, ETC. ARE TO BE PAINTED		
TO MATCH THE SURFACE THEY ARE ADJACENT TO. EXTERIOR STUCCO FINISH	_	
OMEGA 'DIAMOND WALL' PLASTER SYSTEM CORR-0467, EPS TO USED IN THIS SYSTEM		
MIN. THICKNESS I", MIN. DENSITY 1.5 PCF AND INSULATION VALUE R-4.		
BASIC PLAN ROOF PLAN NOTES A	ISSUE DATE 09/11/2023	
AND DIRECTION, U.N.O.	PROJECT No.: 405999	
ROOF MATERIAL: CONCRETE 'S' TILE	DIVISION MGR.: J.C.	
(IAMPO UES ER-412) CLASS 'A' ROOF COVERING 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O.	REVISIONS: 10/05/2023	
12" (INCHES) TYPICAL BOOK OVERHANG AT EAVE UNO	—	
**ANY ROOF GUTTER SHALL BE PROVIDED WITH MEANS TO	- PLAN CHECK COMMENTS $110/05/2023 - V.P.B.S.$	
**ANY ROOF GUTTER SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS.	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S.	
**ANY ROOF GUTTER SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS, ATTIC VENT CALCULATIONS	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S.	
**ANY ROOF GUTTER SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS. ATTIC VENT CALCULATIONS PROVIDE I SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE, PROVIDE NOT LESS THAN 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S.	
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 12 (INCELS) TITICAL ROOT OVERHANS AT EAVE, U.N.O. **ANY ROOF GUTTER SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS. ATTIC VENT CALCULATIONS PROVIDE I SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE, PROVIDE NOT LESS THAN 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE, UPPER VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALLANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS (LOW VENTING). C.R.C. SEC. 806.2 EXCEPTION 2. * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED. NOTES: OPENINGS SHALL HAVE 1/16" MIN 1/4" MAX. CORROSION RESISTANT METAL MESH COVERINGS. PER CRC 806.I EAVE VENTS TO BE INSTALLED CLEAR OF ANY SHEAR WALLS. AREA I: YENTILATION REQUIRED: 	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S.	
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12 (INCHES) THEORE ROLL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS. ATTIC VENT CALCULATIONS PROVIDE I SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE, PROVIDE NOT LESS THAN 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALLANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS (LOW VENTING). C.R.C. SEC. 806.2 EXCEPTION 2. * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED. NOTES: 1. OPENINGS SHALL HAVE 1/16" MIN 1/4" MAX. CORROSION RESISTANT METAL MESH COVERINGS. PER CRC 806.1 2. EAVE VENTS TO BE INSTALLED CLEAR OF ANY SHEAR WALLS. AREA 1: VENTILATION REQUIRED. (1) OPENINGS SHALL HAVE 1/16" MIN 1/4" MAX. CORROSION RESISTANT METAL MESH COVERINGS. PER CRC 806.1 2. EAVE VENTS TO BE INSTALLED CLEAR OF ANY SHEAR WALLS. AREA 1: VENTILATION REQUIRED. (1) O'HAGIN VENT(S) AT 95 SQ. IN. EA. = 95 SQ. IN. TOTAL = 95 SQ. IN. TOTAL = 95 SQ. IN.	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S.	
12 (INCHES) THEORE ROOT OVERHANG AT LAVE, U.N.O. **ANY ROOF GUTTER SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS. ATTIC VENT CALCULATIONS PROVIDE I SQ. IN. OF VENTILATION OF LEAVES AND DEBRIS. PROVIDE I SQ. IN. OF VENTILATION OF LEAVES AND DEBRIS. PROVIDE I SQ. IN. OF VENTILATION OF LEAVES AND DEBRIS. PROVIDE I SQ. IN. OF VENTILATION OF VENTILATION PROVIDED BY VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VENTICALLY, MITH THE BALLANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS (LOW VENTING). C.R.C. SEC. 806.2 EXCEPTION 2. * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED. NOTES: 1. OPENINGS SHALL HAVE 1/16" MIN 1/4" MAX. CORROSION RESISTANT METAL MESH COVERINGS, PER CRC 806.1 2. EAVE VENTS TO BE INSTALLED CLEAR OF ANY SHEAR WALLS. ATTIC AREA = 14 VENTILATION REQUIRED. (1) O'HAGIN VENT(S) AT 95	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S.	
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12 (INCRES) THEOLE NOT OVERTARS AT LAVE, ONC. **ANY ROOF GUTTER SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS. ATTIC VENT CALCULATIONS PROVIDE I SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE, PROVIDE NOT LESS THAN 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE, UPPER VEN- TILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VENTILATIONS LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VENTILATORS LOCATED IN THE BALLANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS (LOW VENTING). C.R.C. SEC. 806.2 EXCEPTION 2. * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED. NOTES: 1. OPENINGS SHALL HAVE 1/16" MIN 1/4" MAX. CORROSION RESISTANT METAL MESH COVERINGS, PER CRC 806.1 2. EAVE VENTS TO BE INSTALLED CLEAR OF ANY SHEAR WALLS. AREA I: VENTILATION REQUIRED. VENTILATION REQUIRED. (1) O'HAGIN VENT(S) AT 45 ACL VENTS TO BE INSTALLED CLEAR OF ANY SHEAR WALLS. ATTICA REA = 14 VENTILATION REQUIRED. (1) O'HAGIN VENT (2) O'HAGIN LOW VENT ALL VENTILATION CALCULATIONS ABOVE ARE BA	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S.	
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12 (INCRES) ITTICAL ROOT OVERTHINE ALL AND ALL	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S.	
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12 (INCRED) THOCK WOLL OF LEAVES AND DEERIS. ATTIC VENT CALCULATIONS ANT ROOF GUTTER SHALL BE PROVIDED WITH MEANS TO PREVIDE I SQ. IN, OF VENTILATION PER 300 SQ. IN, OF ATTIC SPACE, PROVIDE NOT LESS THAN 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE UPPER VEN- TILATORS SHALL BE LOCATED NOT MORE THAN 3 PEET BELOW THE RIDGE OR INHERS FOR UPPEN VENTILATION PROVIDED BY EAVE OR CORNICE VENTS (LOW VENTING), C.R.C. SEC, 806.2 EXCEPTION 2. * CALCULATION BY 1/150, HIGHLOW VENTING NOT REQUIRED. NOTES: 1. OPENINGS SHALL HAVE 1/16" MIN 1/4" MAX. CORROSION RESISTANT METAL MESH COVENINGS, PER CAR 206.1 2. EAVE VENTS TO BE INSTALLED CLEAR OF ANY SHEAR WALLS, AREA II VENTILATION REQUIRED. VENTILATION REQUIRED. INTEL PROVIDED VENTILATION REQUIRED. INTEL PROVIDED INTEL SPACE INTELSPANT METAL HAVE <td colspa<="" td=""><td>PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S. PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: A.C.26497 PLAN: PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 A.C.26</td></td>	<td>PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S. PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: A.C.26497 PLAN: PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 A.C.26</td>	PLAN CHECK COMMENTS 10/05/2023 - V.P.B.S. PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: PLAN: A.C.26497 PLAN: PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 PLAN: A.C.26497 A.C.26
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PARTIAL FIRST FLOOR PLAN 'B'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



	HIGH FIRE AREA NOTES		
I.	ROOF COVERINGS SHALL BE CLASS 'A' AS SPECIFIED IN SECTION 1505.2 OF THE CALIFORNIA BUILDING CODE. WOOD-SHINGLE AND WOOD-SHAKE ROOFS ARE PROHIBITED IN VERY HIGH FIRE HAZARD SEVERITY ZONES, REGARDLESS OF CLASSIFICATION. (FIRE CODE 4905.2)	5.	EAVES AND SOFFITS SHALL MEET ONE OF THE FOLLOWING: A. NONCOMBUSTIBLE CONSTRUCTION ON THE EXPOSED UNDERSIDE OR B. PROTECTED BY IGNITION-RESISTANT MATERIALS OR C. MEET THE REQUIREMENTS OF SFM 12-1A-3 (FIRE CODE 4905.2)
2.	ROOF VALLEY FLASHINGS SHALL BE NOT LESS THAN 0.019-INCH (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL INSTALLED OVER A MINIMUM 36-INCH WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 12 ASTM CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY. (FIRE CODE 4305.2)	6. 7.	WOOD BURNING FIREPLACES ARE NOT PERMITTED. ROOF INSTALLATION SHALL COMPLY WITH UES REPORT NUMBER: 412 CLASS 'A' ROOF COVERING AND SECTION R33T OF THE 2022 C.R.C AND CHAPTER TA 2022 C.B.C.
3.	ROOF GUTTERS SHALL BE NON-COMBUSTIBLE AND BE PROVIDED WITH A MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER. (FIRE CODE 4905.2)	8. 9	ADDRESS NUMBERS MUST BE A MINIMUM OF 4" TALL, NON-COMBUSTIBLE AUTOMATICALLY ILLUMINATED AND CONTRAST WITH THE BACKGROUND. "BIRD STOP" IS REQUIRED ON THE STARTER COURSES OF ALL 'S' ROOF
4.	ROOF AND ATTIC VENTS SHALL RESIST THE INTRUSION OF FLAME AND EMBERS INTO THE ATTIC AREA OF THE STRUCTURE. VENT OPENINGS SHALL BE PROTECTED BY CORROSION-RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH 1/8-INCH OPENINGS. VENTS SHALL NOT BE INSTALLED IN EAVES OR CORNICES. (FIRE CODE 4905.2)	10.	TILE. INSULATION INSTALLED IN VENTILATED SPACES MUST BE UN-FACED AND NON-COMBUSTIBLE.









DETAIL D SCALE 1/2"=1'-0" STUCCO POTSHELF







KNEE BRACE

SCALE 1/2"=1'-0"













SECTION R327 AGING-IN-PLACE DESIGN AND FALL PREVENTION

R327.1.1 REINFORCEMENT FOR GRAB BARS. AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED IN ACCORDANCE WITH THIS SECTION. WHERE THERE IS NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH THIS SECTION. REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY. REINFORCEMENT SHALL NOT BE LESS THAN 2 BY & INCH OR OTHER CONSTRUCTION MATERIAL PROVIDING EQUAL HEIGHT AND LOAD CAPACITY, REINFORCEMENT SHALL BE LOCATED BETWEEN 32 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. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. 5. 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.

EXCEPTIONS: 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 APPROVED BY THE ENFORCING AGENCY 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. SHOWER ENCLOSURES THAT DO NOT PERMIT INSTALLATION OF REINFORCEMENT AND/OR GRAB BARS SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCING AGENCY BATHTUBS WITH NO SURROUNDING WALLS, OR WHERE WALL PANELS DO NOT PERMIT THE INSTALLATION OF REINFORCEMENT SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS ADJACENT TO THE BATHTUB OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS ADJACENT TO THE BATHTUB OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCEMENT SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS ADJACENT TO THE BATHTUB OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCEMENT SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS ADJACENT TO THE BATHTUB OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCEMENT SHALL BE PERMITTED, PROVIDED REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED GRAB BARS ADJACENT TO THE BATHTUB OR AN ALTERNATE METHOD IS APPROVED BY THE ENFORCING AGENCY.

5. REINFORCEMENT OF FLOORS SHALL NOT BE REQUIRED FOR BATHTUBS AND WATER CLOSETS INSTALLED ON CONCRETE SLAB FLOORS. R327.1.2 ELECTRICAL RECEPTACLE OUTLET, SWITCH AND CONTROL HEIGHTS, ELECTRICAL RECEPTACLE OUTLETS, SWITCHES AND CONTROLS FOR HEATING, VENTILATION AND AIR CONDITIONING) INTENDED TO BE USED BY OCCUPANTS SHALL BE LOCATED NO MORE THAN 48 INCHES (1219.2 MM) MEASURED FROM THE TOP OF THE OUTLET, SWITCH AND CONTROLS FOR HEATING, VENTILATION AND AIR CONDITIONING) INTENDED TO BE USED BY OCCUPANTS SHALL BE LOCATED NO MORE THAN 48 INCHES (1219.2 MM) MEASURED FROM THE TOP OF THE OUTLET, SWITCH AND CONTROLS FOR HEATING, VENTILATION AND AIR CONDITIONING) INTENDED TO BE USED BY OCCUPANTS SHALL BE LOCATED NO MORE THAN 48 INCHES (1219.2 MM) MEASURED FROM THE TOP OF THE OUTLET, SWITCH AND CONTROLS FOR HEATING, VENTILATION AND AIR CONDITIONING) INTENDED TO BE USED BY OCCUPANTS SHALL BE LOCATED FROM THE BOTTOM OF THE OUTLET BOX ABOVE THE FINISH FLOOR.

EXCEPTIONS: DEDICATED RECEPTACLE OUTLETS; FLOOR RECEPTACLE OUTLETS; CONTROLS MOUNTED ON CEILING FANS AND CEILING LIGHTS; AND CONTROLS LOCATED ON APPLIANCES. RECEPTACLE OUTLETS REQUIRED BY THE CALIFORNIA ELECTRICAL CODE ON A WALL SPACE WHERE THE DISTANCE BETWEEN THE FINISHED FLOOR AND A BUILT-IN FEATURE ABOVE THE FINISH FLOOR, SUCH AS A WINDOW, IS LESS THAN 15 INCHES.

R327.1.4 DOORBELL BUTTONS, DOORBELL BUTTONS OR CONTROLS, WHEN INSTALLED, SHALL NOT EXCEED 48 INCHES ABOVE EXTERIOR FLOOR OR LANDING, MEASURED FROM THE TOP OF THE DOORBELL BUTTONS INTEGRATED WITH OTHER FEATURES ARE REQUIRED TO BE INSTALLED ABOVE 48 INCHES MEASURED FROM THE EXTERIOR FLOOR OR LANDING, A STANDARD DOORBELL BUTTON OR CONTROL SHALL ALSO BE PROVIDED AT A HEIGHT NOT EXCEEDING 48 INCHES ABOVE EXTERIOR FLOOR OR LANDING, MEASURED FROM THE TOP OF THE DOORBELL BUTTON OR CONTROL.



REPRESENT 2"x8" MIN. BACKING LOCATED BETWEEN 32"-39 1/4" A.F.F. FOR FUTURE MOUNTED GRAB BAR PER C.R.C. SEC. R327 & R327.1.1.

AGING-IN PLACE DESIGN AND FALL PREVENTION (C.R.C. R327) TOILET



MISC. ELEVATIONS

BATH CABINETS

KITCHEN CABINETS

OPTIONAL INTERIOR ELEVATIONS SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")





BACKING NOT REQUIRED AT PREFABRICATED ENCLOSURES

REPRESENT 2"x8" MIN. BACKING LOCATED BETWEEN 32"-39 1/4" A.F.F. FOR FUTURE MOUNTED GRAB BAR PER C.R.C. SEC. R327 & R327.1.1.

C Santee NBO\$0BD 🛛 NBO\$0BD 🖉 NBO\$0E PLANS APPROVED BY THE CITY OF SANT BUILDING INSPECTION DIVISION SUBJECT OPT. SINK TO THE FOLLOWING: _____ Plans are accepted for construction subject 172 to the requirements of the California Housing Law and the building laws of the AD9 City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City. A D County, State, Federal Laws or other restrictions. LAUNDRY Upper Cabinets/ Opt. Sink LAUNDRY Upper Cabinets Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV MISC. ELEVATIONS Plan-Approved 18"X36" MIRROR <u>__</u>__ C POWDER BATH CABINETS OPEN TO GREAT ROOM ¥-0" C D KITCHEN KITCHEN Island Island

KITCHEN CABINETS

STANDARD INTERIOR ELEVATIONS SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")





TUB DECK







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HOME

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Prospect

Gardens

TRACT NO. 2016-03

KB HOME

SOUTHERN CALIFORNIA ORANGE COUNTY / SAN DIEGO

9915 MIRA MESA BLVD.

SAN DIEGO, CA 92131 949-790-9100 949-790-9119

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SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (||"X17")

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I. REFER TO THE CERTIFICATES OF COMPLIANCE (FORM CF-IR'S) LOCATED ON THE T24-X SHEETS FOR ADDITIONAL INFORMATION. 2. ALL COTS WITH THE PROJECT REQUIRE WINNOW AND SLDING GLASS DOORS WITH WELL FITTED, WELL WEATHER-STRIPPED ASSEMBLIES AND A MINIMUM SOUND TRANSMISSION CLASG (95C) RATING OF 26 PER THE FINAL NOISE IMPACT ANALYSIS PREPARED BY URBAN CROSSROADS (DATED DECEMBER 1, 2020) INSULATION COMPONENTS TYPE R-VALUE EXTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-4.2 (RIGID FOAM) COUSTARAGE WALLS (2x6) AT STUCCO R-21 (BATT) + R-0 (NO RIGID FOAM) PROJECT No.: 40599: DIVISION MGR.: J.C PROJECT No.: 10/05/2023 ATTIC ARRIAGE ATTIC INSULATION (UNVENTED ATTIC) R-10 R-1 LOOR (ABOVE GARAGE) R-10 ENTRY DOOR R-10 ATTIC INSULATION (UNVENTED ATTIC) R-33 SPRAY FOAM BELOW ROOF DECK RATIAT BARRIER ATTIC INSULATION R-6 ENERGY COMPLIANCE REQUIREMENTS: PROVIDE ALL ITEMS AND EQUIPMENT TO MATCH THE SPECIFICATIONS LISTED ON THE ENERGY COMPLIANCE REQUIREMENTS: PROVIDE ALL ITEMS AND EQUIPMENT TO THACE ATTIC INCONTING. INDOW SHGC'S AND U-VALUES RIFINACE EFFICIENCIES AND COOLING SEER'S ENVELOPE INSULATION R-VALUES ALL MANDATORY MEASURES LISTED ON SHEET T24-MM NOTES: I. REFERT TO THE CERTIFICATES OF COMPLIANCE (FORM CF-IR'S) LOCATED ON THE T24-X SHEETS FOR ADDITIONAL INFORMATION.	1. REFER TO THE CERTIFICATES OF COMPLIANCE (FORM CF-IR'S) LCCATED ON THE T24-X SHEETS FOR ADDITIONAL INFORMATION. 2. ALL COT THE T24-X SHEETS FOR ADDITIONAL INFORMATION. 2. ALL COT THE T24-X SHEETS FOR ADDITIONAL INFORMATION. 2. ALL COT WITHIN THE PROJECT REQUIRE WINDOW AND SLIDING GLASS DOORS WITH WELL FITTED, WELL WEATHER-STRIPPED ASSEMBLES AND A MINIMUM SOUND TRANSMISSION CLASS (GTC) RATING OF 26 PER THE FINAL NOISE IMPACT ANALYSIS PREPARED BY URBAN CROSSGROADS (DATED DECEMBER II, 2020) INSULATION COMPONENTS TYPE R-YALWE EXTERIOR WALLS (2x6) AT STUCCO R-YALWE INSULATION COMPONENTS TYPE R-YALWE EXTERIOR WALLS (2x6) AT STUCCO R-YALWE INSULATION COMPONENTS TYPE R-YALWE EXTERIOR WALLS (2x6) AT STUCCO R-YALWE INTO THE T24 COMPLANCE GARAGE RATIC INSULATION RATIC INSULATION RADICOLLING THE AND EQUIPMENT TO MATCH THE SPECIFICATIONS LISTED ON THE ENERGY COMPLIANCE REQUIREMENTS. PROVIDE ALL ITEMS AND EQUIPMENT TO MATCH THE SPECIFICATIONS LISTED ON THE ENERGY COMPLIANCE REQUIREMENTS. INCORENCEATED INTO US SHACES AND U-VALUES ALL M	1. BEERS TO THE CERTIFICATES OF COMPLIANCE (FORM CF-RED) LOCATED ON THE TPX-SHEETS FOR ADDITIONAL INSORMATION. 2. ALL LOTS WITHIN THE PROJECT REGURE WINDOW AND SLIDING GLASS DOORS WITH WILL AREFETS FOR ADDITIONAL INSORMATION. 2. ALL LOTS WITHIN THE PROJECT REGURE WINDOW AND SLIDING GLASS DOORS WITH WILL THE PROJECUT REGURE WINDOW AND SLIDING GLASS DOORS WITH WILL THE FIRAL INSERMINESHING CLASS GYOL RATING OF 36 FERT HE FINAL ONDER INPACT ANALYSIS PREPARED BY WEBAN CROSSROADS (DATED DECEMBER IL 2020) INSULATION COMPONENTS TYPE WILLS (206) AT SIDINS R-21 (BATT) + R-2 (INGID FOAM) PROJECT NO.: 44 DIVISION MGR: REVISIONS: 10/05 ATTIC AT WIRNACE ATTIC AT WIRNACE ATTIC AT WIRNACE ENTRY DOOR ATTIC AT WIRNACE ENTRY DOOR ATTIC AND AND READ TATIC R-33 SPRAY FOAM BELOW ROOF DECK ACQUARY BARAGED TATIC MULLATION (INVENTED ATTIC) R-33 SPRAY FOAM BELOW ROOF DECK CALL MANDATORY THE SPRCYCE ALL ITEMS AND EOWIPPINT TO MATCH THE SPECIFICATIONS LISTED ON THE BENERGY COMPLIANCE REQUIREMENTS, PROVOE ALL ITEMS AND EOWIPPINT TO MATCH THE SPECIFICATIONS LISTED ON THE ENTRY OF THE CAREFTICATED IN TO THESE PLANS (INCLUDING THE FOLLOWING). WINDOW SPRCE SAND U-VALUES ALL MANDATORY THEASTER ON GOORD COMPLETIONS. THESER TO THE CERTIFICATES OF COMPLIANCE (FORM CF-RES)) LOCATED ON THE 71-X SWEETS FOR ADDITIONAL INFORMATION. 2. PLAN SUBJECTION WITH THE ONE-COAT STUCCO APPLICATION NUMERING WISHES AND U-VALUES TO READ FORM COMPLY SUBCOM SPRCE ADDITIONAL INFORMATION. 3. PLAN MANDATORY THEASTER FOR ADDITIONAL INFORMATION. 3. PLAN MANDATORY THEASTER FOR ADDITIONAL INFORMATION. 3. PLAN MANDATORY THEOLOGINA WITH THE ONE-COAT STUCCO APPLICATION WINDOW SPRCE THEOLOGING WIGHT AND ADDITIONAL INFORMATION. 3. PLAN MELLATION AT EXTERIOR WALLS IS A RIGID FOAM NUMLATION SPRCE THEOLOGING WIGHT ADDITIONAL INFORMATION. 3. PLAN MANDATION THEOLOGING WIGHT ADDITIONAL INFORMATION. 3. PLAN MANDATION THEOLOGING WIGHT ADDITIONAL INFORMATION. 3. PLAN MANDATION THEOLOGING WIGHT ADDITIONAL INFORMATION. 4. MANDATION THEOLOGIN		<u>0 000k</u> :s.	0.28	0.22					
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INTE INTEL INTEL INTEL INTEL INTEL EXTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-4.2 (RIGID FOAM) ISSUE DATE: 09/11/202 EXTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-0 (NO RIGID FOAM) PROJECT No.: 40599: HOUSE/GARAGE WALLS (2x6) R-21 ISSUE DATE: 09/11/202 ENTRY DOOR R-1 ISSUE DATE: 09/11/202 INTIC INSULATION R-1 ISSUE DATE: 01/05/2023 ATTIC INSULATION (UNVENTED ATTIC) R-33 \$PRAY FOAM BELOW ROOF DECK REVISIONS: 10/05/2023 ADIANT BARRIER DIAN CHECK COMMENTS PLAN CHECK COMMENTS DUCT INSULATION R-6 ISSUE DATE: 10/05/2023 - V.P.B.S. EQUIPMENT TO MATCH THE SPECIFICATIONS LISTED ON THE ENERGY COMPLIANCE ERQUIREMENTS: NCORPORATED INTO THESE PLAN CHECK COMMENTS NOTES: INCLUMENTS ALL MANDATORY MEASURES LISTED ON SHEET T24-MM INDIAN AT EXTERIOR WALK REVISIONS NOTES:	INTER INTER <t< th=""><th>INTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-42 (RIGID FOAH) EXTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-0 (NO RIGID FOAH) EXTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-0 (NO RIGID FOAH) ENTEY DOOR R-1 FLOOR (ABOVE GARAGE) R-1 ATTIC AT RINACE </th><th></th><th></th><th>PONENTS</th><th></th><th>]</th><th></th><th>_</th><th>_</th><th>_</th></t<>	INTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-42 (RIGID FOAH) EXTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-0 (NO RIGID FOAH) EXTERIOR WALLS (2x6) AT STUCCO R-21 (BATT) + R-0 (NO RIGID FOAH) ENTEY DOOR R-1 FLOOR (ABOVE GARAGE) R-1 ATTIC AT RINACE			PONENTS]		_	_	_
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4.2

SPEC. LEVEL 1

SANTEE PLAN 2













STEP 1



STEP 2





















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 FIBER CEMENT SIDING (SEE EXTERIOR ELEVATIONS)
 WEATHER-RESISTIVE BARRIER (WRB)



SHEAR PLYWOOD AS OCCURS BUILDING PAPER HEADER (SEE STRUCTURAL)

2X FOAM TRIM (SEE ELEVATIONS FOR SIZE)

EXTERIOR PLASTER (SEE EXTERIOR ELEVATIONS) WEATHER-RESISTIVE BARRIER

EXPANDED METAL LATH - STUCCO J MOLD GARAGE DOOR - SEE FLOOR PLAN FOR SIZE AND TYPE





SYN. STONE - GAR. JAMB SCALE | |/2" = |'-0" PE-0440-03



GARAGE DOOR HEAD

SCALE | |/2" = |'-0"

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

WEATHER-RESISTIVE BARRIER GARAGE DOOR - SEE FLOOR PLAN FOR SIZE AND TYPE

TRIM ABOVE WHERE OCCURS (SEE ELEVATIONS) WEATHER-RESISTIVE BARRIER

SYNTHETIC STONE VENEER I.C.C. ER-2598 - 2" MAX. (VERIFY MANUFACTURER FOR APPLICATION) 2x FRAME BOX COLUMN (SEE FLOOR PLAN FOR DEPTH)





SAC-0732-51a



(WRB) ELEVATION

AS OCCURS

GARAGE DOOR JAMB





















DOOR HEAD WITH WOOD TRIM SCALE 3"=1'-0"









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SCALE: N.T.S.









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SYSTEM

SPRINKLER

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RIGID INSULATION-MIN, R-4 REFER TO SHT, GN2,

SEE ELEVATION FOR SIZE

WINDOW FRAME

POLYURETHANE POTSHELF SCALE 3"=1'-0"



DRYER

MOE XOB

NOTE: DOMESTIC DRYER MOISTURE EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF FOURTEEN FEET (2022 C.M.C. SECTION 504.4)

ABV. GRADE DRYER VENT

WASHER SUPPLY BOX MUST BE INSTALLED IN THE SKID WALL AND NOT IN THE PARTY WALL WHEN APPLICABLE

SCALE: N.T.S.

6" 2'-4" 6"

_+ **ا'-2**" }







HOME 5 8 8 8 8 8 Prospect Gardens \sim TRACT NO. 2016-03 \sim KB HOME SOUTHERN CALIFORNIA \geq ORANGE COUNTY / SAN DIEGO 9915 MIRA MESA BLVD. SAN DIEGO, CA 92131 949-790-9100 949-790-9119 8 8 8 8 8 ISSUE DATE: 09/11/2023 PROJECT No.: 405999 **DIVISION MGR.:** J.C. REVISIONS: 10/05/2023 PLAN CHECK COMMENTS \sim ∎ ¥ \sim \sim \sim ERIC R. 🖊 KOUGH C-26497 PLAN: ALL PLANS

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SPEC. LEVEL 1

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watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions. 022 California Building Standard Co

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



NOTE: 1. DO NOT INSTALL PLUMBING IN PLYWOOD SHEAR WALLS.

- 2. ALL SHEAR WALL LENGTHS ARE MINIMUM. CHECK ARCHITECTURAL FLOOR PLANS FOR ACTUAL WALL LENGTHS.
- 3. ALL SHEAR PANELS ARE TO RUN CONTINUOUS THROUGH PERPENDICULAR WALLS WHERE OCCURS.

FOUNDATION PLAN - A SCALE: 1/4" = 1'-0"





3T/24.00'/49"±/1.60"

	CONSTRUCTION KEY NOTES
1	INSTALL MSTA36 STRAP (U.N.O.) PER DETAIL 19/SD-3, 16/SD-4, OR 4/SD-5.
2	INSTALL MSTA36 STRAP (U.N.O.) AT PLATE BREAK (IF OCCURS).
3	POCKET BEAM IN WALL WITH 2-2X TRIM (U.N.O.) AND 2X K.S. EACH SIDE PER DET. 4/SD-4.
4	ALIGN POST W/ POST ABOVE OR BELOW, AND PROVIDE SOLID BLOCKING AT FLOOR.
5	ALIGN SHEARWALL WITH SHEARWALL ABOVE OR BELOW.
6	INSTALL PLUMBING IN NON-STRUCTURAL WALL.
7	FULL HEIGHT BALLOON FRAMED WALL WITH 2X6 (U.N.O.) STUDS @ 16" O.C. PER DET. 8/SD-4.
8	STITCH NAIL 2X AT END OF SHEARWALL TO ADJACENT POST W/16d @ 3" O.C. STAGG.
9	INSTALL CS16 STRAP (U.N.O.) PER DET. 1/SD-5 @ THE ROOF & DET. 8/SD-5 @ THE FLOOR.
10	INSTALL 4-A35/LTP4 (U.N.O.) FROM D.T./JOIST/BEAM TO TOP PLATE.
11	STITCH NAIL SNUG, FULL-DEPTH 1.3/4" T.S. BLKG. AT BEARING LOCATION (MIN. 1'-0" LONG) TO SIDE OF WITH 28 (MIN.) 16d STAGG.
12	INSTALL 2-HTS20 STRAPS (U.N.O.) FROM BEAM/HEADER TO POST
13	A 10" SQ. HOLE MAY BE CUT IN SHEAR PANEL FOR VENT @ OPT. F.P. INSTALL 4X BLKG. W/ COIL STRAP T&B OF OPENING, 2' PAST OPENING EA. SIDE (SIM. TO DET. 6/SD-4)
14	DO NOT INSTALL VENTS/UTILITIES IN SHEAR PANEL.

15 TRIM BM. TO MATCH ROOF SLOPE, MIN. 4" HEEL HEIGHT (U.N.O.)

1. IT SHAL	L BE THE CONTR	FOUNDATIO	N NOTES	IMENSIONS WITH		
THE AR ANY DIS	CHITECTURAL FI	LOOR PLAN AND NO RIOR TO STARTING	DTIFY THE ARCHITECT AN WORK.	ND ENGINEER OF		
2. THE GE GENER/ FOUND/	NERAL CONDITION AL STRUCTURAL ATION.	ONS, SPECIFICATIO DETAILS AND THE	NS, GENERAL NOTES ON FOLLOWING APPLY TO T	N SHEET SD-0, THE WORK OF THE		Z
3. SUB-GR	ADE PREPARATI		ORM TO THE REQUIREME		1845 W. Orangewood Av	:t
ENGINE	ER.				Orange, CA 92868 (/1 This drawing and the design concepts VCA Structural and the drawing or desig be used or reproduced in part or in express permission in writing b	4) S are n con whol y VC
4. FOOTIN SOILS/G	GS ARE TO BE E GEOLOGY ENGIN	EER PRIOR TO PLA	CEMENT OF CONCRETE.	IE PROJECT	ISSUES & REVISIONS	
5. ANY DIS ATTENT	CREPANCIES OF ION OF THE ENG	R UPDATES OF SOIL INEER OF RECORD.	INFORMATION SHALL BE	BROUGHT TO THE	<u>/1</u> 11-06-2023	
6. ALL SHE FOR AC	EAR WALL LENG ⁻ TUAL WALL LENG	THS ARE MINIMUM. GTHS.	REFER TO ARCHITECTU	RAL FLOOR PLANS	\sim	
7. REFER FOUND	TO DETAILS 24 - ATION CONSTRU	29 ON SHEET SD-1 CTION REQUIREME	FOR GENERAL POST-TEN INTS.	NSION	Δ	
8. PROVID ALL CO	E MINIMUM #3X2 NCRETE STOOPS	4" LONG DOWELS A 5, PORCHES, PATIO	AT 24" O.C. MAX. & 12" FR S, AND OTHER ATTACH	OM CORNERS AT MENTS WHEN	\bigtriangleup	
9. ALL TEN	NDON TRANSITIC	N SHALL BE MADE	WITH A 1:6 SLOPE MAX.	VISE NOTED.	Δ	
10. REFER POP-OU	TO DETAILS 17 & IT & CORNER CO	18 ON SD-1 FOR RI NDITIONS.	EINFORCEMENT REQUIR	EMENTS AT		
11. PRIOR INSPEC	O THE CONT		A BUILDING DEPARTME	NT FOUNDATION FFICIAL IN	Δ	
WRITIN a) THE			ACCORDANCE WITH THE	SOILS REPORT,	\sim	
1 c) THE BEARI	FOUNDATIONE	XCANATIONS, GOILS ONFORM TO THE SC	S EXPANSIVE CHARACTE DILS REPORT.	RISTICS, AND	ZSEAL / SIGNATURE	
	P.T. FO	OTINC & SI	B SCHEDUL	E	AND PROFESSIONAL	LA
POST-TENSION FOUNDATION	FOOTING LOCATION	HIGH TO VERY HIGH EXP. SOIL (E.I. ≥ 91) 26"			No 58680	E
a' MIN. FTG. HT.	INTERIOR	26"	BOTT. OF	FTG.	*	2/
'D' MIN. FTG. EMBED	INTERIOR	18"	BELOW FIN	. GRADE	AFE OF CALIFOR	N.
'W' MIN. FTG. WIDTH		12" 2-#5 (B)	MIN. U.	N.O.		
BEAM TENDON NOT SHOWN	INTERIOR	2-#5 (B)	SEE NUMBER OF BEAM WHERE BEAM TEI	ARROWS ON PLAN		
TIE B 't' MIN. SLAB	EAM 12 THICKNESS	"W X18"D W/ 2-#5 (T&B 4.5")			
MOISTURE * SEE SOILS	BARRIER MIN	N. 10-MIL ASTM-1745 C GRADE PREPARATIO	LASS C PER SOILS REPORT N & MOISTURE PROTECTION	BY SA GEOTECHNICAL NREQUIREMENTS.		
1.	(#)	INDICATES SHEAF		N. REFER TO		
2	 {#}	ANCHOR BOLT SC ANCHOR BOLTS.	REDULE ON THIS SHEET FO			
<u> </u>	<u> </u>	ANCHOR BOLTS F LENGTH OF WALL	PER ANCHOR BOLTS SCH. FO	OR ENTIRE	S	
3.	POSTONIN	INDICATES POST / DETAILS 13 AND 1 EMBEDMENT REQ	AND SIMPSON HOLD-DOWN 5 ON SHEET SD1 FOR TYPE UIREMENTS. REFER TO MA	ANCHOR. SEE OF BOLT & NUFACTURER'S	ۍ Ž	ר ו
	N HOLL	MANUAL FOR ADD MUST BE PROPER CONCRETE. PRO	NTIONAL REQUIREMENTS. A LY TIED IN PLACE PRIOR TO VIDE MIN. 12"X12"X3" DEEP F	ALL HOLD-DOWNS D POURING FTG. BELOW	ШQX	2
4.	POSICIO.	INDICATES POST	WITH SIMPSON BASE TO FO			7
5	⊠ O)
	↑ <u>↑</u>	SLAB	TENDON SPACING			-
		TOTAL FROM (+36" F	LENGTH OF SLAB & BEAM TEN EDGE TO EDGE OF SLAB + 18"	IDON) r
		NUMB SHOW	ER OF SLAB TENDONS (BEAM." N SEPARATE SEE ITEM #7 BEL	TENDONS OW		
6.		SLAE	3 TENDON STRESSED END		L L	
		NOTE: STRESSED AI NOTE: WHERE TEND	D END ND DEAD ENDS MAY BE REVER ION LENGTH ≥ 120', STRESS TE	SED. NDON AT EACH END.		
7.						
			BER OF ARROWS INDICATES BER OF BEAM TENDONS, BEAM DON STRESSED END	1		
	AN		SCHEDULE			
SHEAR WAL SCH. NO.	L A.B. CC	INSTRUCTION *	ALTERNATE SIMPSON MASA CONSTRUCTION **	SILL PLATE		
(10)	5/8" A	B. @ 48" OC.	MASA @ 36" OC.	2X		
	5/8" A	.B. @ 36" OC.	MASA @ 28" OC.	2X		
(12)	5/8" A 5/8" A	B. @ 24" OC. B. @ 20" OC.	MASA @ 20" OC. MASA @ 16" OC.	2X 2X	DRAWN BY	
(13)-(13)	> 5/8" A	B. @ 12" OC.	N/A	3X	CHECKED BY	
* FOR A.B. CON - FOR EXT	ISTRUCTION: ERIOR NON-SHEAR \ CATEGORY F SEF S	WALL USE 1/2" A.B. @ 48	" O.C. MAX. (5/8" A.B. @ 48" O.C SIGN CATEGORY TYPE	. MAX. AT SEISMIC	PROJECT NO.	<u>1. V</u> 1
- FOR INTE - USE MIN THE HOL	ERIOR NON-SHEAR W . 3X3X0.229" SQUARE E IN THE PLATE WAS	VALL USE 0.145" DIA. SHO PLATE WASHERS FOR SHER IS PERMITTED TO	OT PINS @ 24" O.C. MIN. ALL ANCHOR BOLTS (REQ'D AT BE DIAGONALLY SLOTTED WIT	SHEAR WALLS ONLY). H A WIDTH OF UP TO	ISSUE DATE)9/
3/16" LAF STANDAI SHALL E	RGER THAN THE BOL RD CUT WASHER IS F XTEND TO WITHIN ¹ / ₂ "	T DIAMETER AND A SLO PLACED BETWEEN THE OF THE EDGE OF THE S	T LENGTH NOT TO EXCEED 1-3 PLATE WASHER AND THE NUT. ILL PLATE ON THE SIDE(S) WIT	/4", PROVIDED A THE PLATE WASHER H SHEATHING (NOTE	PLOT DATE	/2
I HAT TH ONE OR ** FOR ALTERN	IS MAY REQUIRE LAF BOTH SIDES.) JATE SIMPSON MASA	VILLI SHEATHING ON	SHEET NO.			
- FOR EXT - FOR INTE - FOR INTE	ERIOR NON-SHEAR \ ERIOR NON-SHEAR \ ERIOR SHEAR WALL,	WALL USE MASA @ 48" (VALL USE 0.145" DIA. SHI MASA IS NOT ALLOWED).C. MIN. OT PINS @ 24" O.C. MIN. 9. INSTALL ANCHOR BOLTS PER	R DETAILS ON SHEET	_	
- MASA LE ONLY. M - NOT MOF	GS SHALL BE INSTAL ASA MAY NOT BE INS RE THAN 20% (1 IN 5)	LED DIRECTLY TO THE STALLED OVER STRUCTI OF MASA CONNECTOR	FRAMING ON THE STRUCTURA JRAL SHEATHING. S SHALL BE INSTALLED WITH O	IL SHEATHING SIDE	S-1.	
TO STUD - PLACE M NO CLOS	AT SHEARWALL LOO ASA ANCHOR NOT M SER THAN 1.1/2" FROI	CATIONS. IORE THAN 1'-0" FROM E M END OF PLATE.	ND OF EACH SILL PLATE PER (CODE AND MASA NAILS		
- MINIMUM - MASA IN CURREN	I CONCRETE END DIS STALLATION PROCEI T SIMPSON CATALOG	STANCE FOR MASA IS 4" DURES MUST BE IN ACC G.	ORDANCE WITH ICC-ES ESR-25	555 AND THE MOST	149.226	37
				1		







RAWN BY	
	A.V./T.D.
HECKED BY	
	M.V.G./R.S.
ROJECT NO.	
	10-12072
SUE DATE	
	09/05/2023
LOT DATE	00/07/0004
	02/27/2024
HEET NO.	



NOTE: 1. DO NOT INSTALL PLUMBING IN PLYWOOD SHEAR WALLS.

2. ALL SHEAR WALL LENGTHS ARE MINIMUM. CHECK ARCHITECTURAL FLOOR PLANS FOR ACTUAL WALL LENGTHS.

3. ALL SHEAR PANELS ARE TO RUN CONTINUOUS THROUGH PERPENDICULAR WALLS WHERE OCCURS.

ROOF FRAMING PLAN - A SCALE: 1/4" = 1'-0"

C Santee PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions. 022 California Building Standard Codes

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

	CONSTRUCTION KEY NOTES
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2	INSTALL MSTA36 STRAP (U.N.O.) AT PLATE BREAK (IF OCCURS).
3	POCKET BEAM IN WALL WITH 2-2X TRIM (U.N.O.) AND 2X K.S. EACH SIDE PER DET. 4/SD-4.
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12	INSTALL 2-HTS20 STRAPS (U.N.O.) FROM BEAM/HEADER TO POST
13	A 10" SQ. HOLE MAY BE CUT IN SHEAR PANEL FOR VENT @ OPT. F.P. INSTALL 4X BLKG. W/ CO T&B OF OPENING, 2' PAST OPENING EA. SIDE (SIM. TO DET. 6/SD-4)
14	DO NOT INSTALL VENTS/UTILITIES IN SHEAR PANEL.
15	TRIM BM. TO MATCH ROOF SLOPE, MIN. 4" HEEL HEIGHT (U.N.O.)

	1 THF					N SHEET	SD-0	
	GEN GEN	SENERAL CONDITI NERAL STRUCTURAL MING.	L DETAILS AND THE	FOLLOWING	APPLY TO THE	WORK OF	F THE ROC)F
	2. CON PLA DIS	NTRACTOR SHALL C N AND NOTIFY THE CREPENCIES BEFOI	HECK ROOF FRAMI ARCHITECT AND EI RE STARTING WOR	ING DIMENSIO NGINEER OF # K.	NS AGAINST TI	HE ARCHI S AND/OR		
	3. ALL	WALLS ARE TO BE	2X4 STUDS @ 16" C).C. UNLESS C	THERWISE NO	TED.		
	4. SEE		LANS FOR LOCATIO	ONS OF 2X6 P		_S.		
	5. HEA	ADERS SUPPORTING THE SILL PLATE U.C	3 ROOF LOADS SHA).N.	LL HAVE AT L	EAST ONE 2X T	RIMMER	CONTINUO	US
	6. HEA THE	ADERS SPANNING 6' E SILL PLATE AND 2-	-0" OR MORE SHALI 2X KING STUDS, U.I	L HAVE AT LEA N.O.	AST 2-2X TRIMN	IERS CON	VTINUOUS -	ГО
	7. ALL	SHEAR CONNECTO	RS AND BLOCKING	AT PLATE LE	VEL MUST BE II	NSTALLE) PRIOR TC)
	8. RO(OF SHEATHING SHA	LL BE AS SPECIFIEI	D ON SHEET S	D-0.			
	9. INTI	ERIOR NON-BEARIN	G WALL TOP PLATE	MAY BE 1X4 (OVER 2X4.			
	10. GT	= GIRDER TRUSS W	/ 2-2X @ SUPPORTS	3 (U.N.O. ON P	LANS)			
	11. JT =	= JACK TRUSS @ 24" OF TRUSSES SHALL	' O.C.		/ING LOADS [.]			
		DL: 15 PSF @ TOP CI 6 PSF @ BOTTOM (LL: 20 PSF @ TOP CI	HORD FOR TILE RO CHORD HORD	OF			A.	
	13. U.N OF	I.O. ALL GABLE END	TRUSS SHALL BE D	ESIGNED TO	CARRY 180 plf.	ALONG FU	ULL LENGTI HEARWALL	н
	BEL 14. TRL REC	.OW (WHERE OCCI JSS SUPPLIER SH/ COFD FOR APPROV	TRUSS D	JSE OF STUCC ESIGN AND SI CATION)o. Hop drawing	S TO THE	ENGINEER	OF
	15. SEE					ENTS.		
	16. TRL REL		NECTIONS AND TRU		R CONNECTIO	NS AND C)THER //ANUF'R.	
	17. BAL	LOON FRAME INDIC	ATES WALL CONTI	NUOUS FROM	SILL PLATE TC) TOP PLA	TE DIRECT	LY
	BEL 18. AU		ש טר דו RUSS. MED W/ CONTINUOL	JS STUDS TO	BOTTOM CHOF	RD OF TRI	JSSES U.N	0.
	19. FOF	R ALL CS COILED ST	RAPS USE 8d NAILS	S ON EVERY O	THER NAIL HO	LE.	2	
	20. USE	E MSTA36 TO CONNE FAIL 15/SD4 AT TOP	ECT TOP PLATES AT	T ALL PLATE B	REAKS U.N.O.	AND 12-16	3d NAILS PE	R
	21. SHE	EAR PANELS MAY BE	E INSTALLED ON EI	THER SIDE OF	THE WALL.			
	22. INS ACC	TALL 2X4 LADDER B CESS OCCURS.	LOCKING @ T&B Cł	iord of tru	SSES @ 24" O.(C. IF 30"X3	30" ATTIC	
	23. REF	FER TO DETAILS 17/5	SD-2 AND 18/SD-2 F	OR EAVE BLO	CK DETAILS.			
	24. ALL AC	. SHEARWALL LENG TUAL WALL LENGTH	THS ARE MINIMUM. S.	REFER TO A	RCHITECTURAI	L FLOOR F	PLANS FOR	
	25. DO	NOT INSTALL PLUM	BING IN SHEARWAL	LS.				
	26. AT SIM	EXTERIOR WALL LO	CATIONS, INSTALL	SIMPSON H1A	AT EVERY SIN	GLE-PLY	TRUSS (OF	२
			FRAMIN	 G L F G F				
		R.T.				n 24" O C		
	2	D.T. W/ B.N. (V=2.0k)	INDICATES DRA SPECIFIED LATE CHORD OF TRU STRAP BELOW	G TRUSS TO E ERAL LOAD AP SS & TRANSFE BOUNDARY F	E DESIGNED T PLIED UNIFOR ERED TO SHEA IAILING TO BE	O RESIST MLY ALON R WALL C INSTALLE	⁻ The Ng Top)r Drag :D at Roof	:
	3.	$\langle \# \rangle$	INDICATES SHE	AR WALL TYPE	E AND LOCATIC)N. REFEF	R TO SHEAF	२
	4	(#)	WALL SCHEDUL	E BELOW FOR	CONSTRUCTI	ON & NAIL RE WALL I		Т.
			ABOVE AND BEL EDGES OF PLYV	-OW OPENING VOOD MUST B	S PER DETAIL E NAILED TO B	6/SD-4. AL LOCKING	LL BOUNDA	.RY
	5.	20510000	INDICATES POS ANCHOR. INSTA AND DETAILS 9	T AND SIMPSO LL PER MANU TO 12 ON SHE)N STRAP OR H FACTURER'S R ET SD-4, OR 13	IOLD-DOV ECOMME 3 & 15 ON	VN NDATIONS SHEET SD-	1.
	⊠ √	NOL POSITI	INDICATES CON	TINUOUS POS	T FROM SILL P	LATE TO	TOP PLATE	
	6.							
	6.	I-JOIST/	/BEAM SU	BSTITU		ABLE		
	6.	I-JOIST/	/BEAM SU	BSTITU	ITION T	ABLE		
	6.	I-JOIST/	/BEAM SU	BSTITU	ITION T.	ABLE	<u> </u>	
	6.	I-JOIST,	/BEAM SU	BSTITL -	ITION T	ABLE		
	6. SHEAR WALI	I-JOIST	/BEAM SU HEAR WAI	BSTITU -	UTION T	ABLE SHEAF	R CONNECTI TOP PLATE	ON
	6. SHEAR WALL NO.	I-JOIST/ SI	BEAM SU	BSTITU - LL SCH FOUNDATION SILL PLATE	JTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ²	SHEAF AT 16d AT SINKER	R CONNECTI TOP PLATE \35/LS50/H1A /LTP4 ⁵	ON
	6. SHEAR WALL NO.	I-JOIST, SI CONSTR 3/8" APA RATEE 8d NAILS @ 4" O O.C.	BEAM SU	BSTITU - - - - - - - - - - - - -	JTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6"	SHEAF AT 16d AT SINKER 2 @ 12"	R CONNECTI TOP PLATE 435/LS50/H14 /LTP4 ⁵ 16"	ON
	6. SHEAR WALL NO. 10 11^{1}	I-JOIST, SI CONSTR 3/8" APA RATEE 8d NAILS @ 4" 0 0.C. 3/8" APA RATEE 8d NAILS @ 3" 0 0.C	BEAM SU HEAR WAI RUCTION SHEATHING W/ .C. EDGE AND 12" FIELD SHEATHING W/ .C. EDGE AND 12" FIELD	BSTITU - FOUNDATION SILL PLATE 2X 2X	JTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4"	SHEAF ABLE SINKER 2 @ 12" 2 @ 8"	R CONNECTI TOP PLATE 435/LS50/H14 /LTP4 ⁵ 16" 10"	ON 12' 8''
	6. SHEAR WALL NO. $\overline{(10)}$ $\overline{(11)}^{1}$ $\overline{(12)}^{1,3}$	I-JOIST/ SI CONST 3/8" APA RATEL 8d NAILS @ 4" O O.C. 3/8" APA RATEL 8d NAILS @ 3" O O.C. 3/8" APA RATEL 8d NAILS @ 2" O	BEAM SU HEAR WAI RUCTION SHEATHING W/ .C. EDGE AND 12" FIELD SHEATHING W/ .C. EDGE AND 12" FIELD SHEATHING W/ .C. EDGE AND 12" FIELD	BSTITU 	JTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2 @ 6"	SHEAF 16d SINKER 2 @ 12" 2 @ 8" 2 @ 6"	R CONNECTI TOP PLATE 435/LS50/H1/ /LTP4 ⁵ 16" 10" 8"	ON A RB 12' 8'' 6''
	6. SHEAR WALL NO. $\overline{(10)}$ $\overline{(11)}^{1}$ $\overline{(12)}^{1,3}$ $\overline{(13)}^{1,3}$	I-JOIST, SI CONSTF 3/8" APA RATEL 8d NAILS @ 4" O O.C. 3/8" APA RATEL 8d NAILS @ 3" O O.C. 3/8" APA RATEL 8d NAILS @ 3" O O.C. 3/8" APA RATEL 8d NAILS @ 2" O O.C. 15/32" APA ST SHEATHING W/ 14	BEAM SU BEAM SU HEAR WAI RUCTION SHEATHING W/ .C. EDGE AND 12" FIELD SHEATHING W/ .C. EDGE AND 12" FIELD	BSTITU J FOUNDATION SILL PLATE 2X 2X 2X 2X 2X	DTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2 @ 6" 2 @ 5"	ABLE ABLE AT 16d / SINKER 2 @ 12" 2 @ 8" 2 @ 6" 2 @ 5"	R CONNECTI <u>TOP PLATE</u> 435/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6"	ON 12' 8" 6"
-20	6. SHEAR WALL NO. $\overline{(10)}$ $\overline{(11)}^{1}$ $\overline{(12)}^{1,3}$ $\overline{(13)}^{1,3}$	I-JOIST, SI CONSTR 3/8" APA RATEL 8d NAILS @ 4" 0 0.C. 3/8" APA RATEL 8d NAILS @ 2" 0 0.C. 3/8" APA RATEL 8d NAILS @ 2" 0 0.C. 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA STRUCT	/BEAM SU /BEAM SU /BEAR SU /BEAR WAI /BEAR WAI /C. EDGE AND 12" FIELD / SHEATHING W/ .C. EDGE AND 12" FIELD	BSTITU LL SCH FOUNDATION SILL PLATE 2X 2X 2X 2X 2X	DTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2 @ 6" 2 @ 5"	ABLE SHEAF AT 16d / SINKER 2@12" 2@8" 2@6" 2@5" 	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6"	ON 12' 8'' 6''
ĒS	6. SHEAR WALL NO. (10) $(11)^1$ $(12)^{1,3}$ $(13)^{1,4}$ (1	I-JOIST/ SI CONST 3/8" APA RATEL 8d NAILS @ 4" O O.C. 3/8" APA RATEL 8d NAILS @ 4" O O.C. 3/8" APA RATEL 8d NAILS @ 3" O O.C. 3/8" APA RATEL 8d NAILS @ 2" O O.C. 15/32" APA STRUCT SHEATHING W/ 10 EDGE AND 1 SHEATHING W/ 10 SHEATHING W/ 10 SHEATHING W/ 10 SHEATHING W/ 10 SHEATHING W/ 10 SHEATHING W/ 10 SHEATHING SHEATHING SHE	BEAM SU HEAR WAI RUCTION SHEATHING W/ C. EDGE AND 12" FIELD SHEATHING W/ C. EDGE AND 12" FIELD SHEATHING W/ C. EDGE AND 12" FIELD SHEATHING W/ C. EDGE AND 12" FIELD SHEATHING W/ C. EDGE AND 12" FIELD A NAILS @ 2" O.C. 2" O.C. FIELD. 1 RATED SHEATHING O.C. EDGE AND 12" A. SIDE OF WALL	BSTITU LL SCH FOUNDATION SILL PLATE 2X 2X 2X 2X 2X 2X 3X	EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2 @ 6" 2 @ 5" 3 @ 4"	SHEAF 16d SINKER 2 @ 12" 2 @ 8" 2 @ 6" 2 @ 5" N/A	R CONNECTI TOP PLATE 435/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2.04 NOC	ON 12" 8" 6" 2@4
ES	6. SHEAR WALL NO. (10) (11) (11) (12) (13) (1	I-JOIST, SI CONSTI 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 0.C. FIELD @ E 3 AT ADJOINING PANE 15 AST ENED TOGETH 0.C. FIELD @ E 3 AT ADJOINING PANE	BEAM SU BEAM SU HEAR WAI RUCTION D SHEATHING W/ .C. EDGE AND 12" FIELD D SHEATHING W/ .C. EDGE AND 12" FIELD I RATED SHEATHING O.C. EDGE AND 12" FIELD I RATED SHEATHING O.C. EDGE AND 12" A. SIDE OF WALL L EDGES SHALL BE 3 IER WITH STAGGERE E USED AT SINGLE SI IER WITH STAGGERE E USED AT SINGLE SI SHAUL DE STACCO	BSTITU 	JTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2 @ 6" 2 @ 5" 3 @ 4" MEMBERS OR W ACED IN ACCORI VLL CONDITION). ES	SHEAF 16d 2 0 2 0 2 0 2 0 2 0 10 2 0 10 10 10 10 10 10 10 10 10 10 10 10 11 11 12 12 12 12 12 12 12 12 10 10 10 10 10 11 12 12 13 14 15 16 17 17 17 17<	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2-2X NOMIN/ TH COLUMN RUCTURAL F	ON 12' 8'' 4'' 2@4 AL 2ANE
E T. 4/SD-4. LOOR.	6. SHEAR WALL NO. (10) (11) (11) (12) (13) (1	I-JOIST, SI CONSTI 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 0.C. FIELD @ E 3 AT ADJOINING PANE 85 FASTENED TOGETH D "16d SINKER" MAY B VD SILL PLATE NAILING UST BE STAGGERED 1 IUST BE OFFSET AT LE TAILS 1/SD-2 & 2/SD-21 ON WHEEDE AU	BEAM SU BEAM SU HEAR WAI RUCTION D SHEATHING W/ .C. EDGE AND 12" FIELD D SHEATHING W/ .C. EDGE AND 12" FIELD D SHEATHING W/ .C. EDGE AND 12" FIELD D SHEATHING W/ .C. EDGE AND 12" FIELD RUCT 1 RATED Dd NAILS @ 2" O.C. 2" O.C. FIELD. 1 RATED SHEATHING O.C. EDGE AND 12" FIELD RUCT 1 RATED Dd NAILS @ 2" O.C. 2" O.C. FIELD. 1 RATED SHEATHING O.C. EDGE AND 12" A. SIDE OF WALL L EDGES SHALL BE 3 IER WITH STAGGERE E USED AT SINGLE SI S SHALL BE STAGGEF /2" INTO JOIST, RIM CO AST 1/2" AND ROWS I FOR ADDITIONAL BLCC ROWS OF MAIL BLC AT	BSTITU I SUL SCH FOUNDATION SILL PLATE 2X 2X 2X 2X 2X 2X 2X 2X 2X 2X	JTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2 @ 6" 2 @ 5" 3 @ 4" MEMBERS OR W ACED IN ACCORI UL CONDITION). ES. ELOW. AT MULTII 3ERED INTO JOI EMENTS AT 1.1/4	ABLE SHEAF AT 16d / SINKER 2 @ 12" 2 @ 2" 2 @ 6" 2 @ 6" 2 @ 5" N/A VIDER (OR DANCE WIT WOOD STI WOOD STI	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2-2X NOMIN/ TH COLUMN RUCTURAL F OF NAILING DCKING BELC /BERSTRAN	ON 12' 8" 6" 4" 2@ 4" 2@ AL JANE , W. DRIM
ET. 4/SD-4. LOOR.	6. SHEAR WALL NO. (10) (11) (11) (12) (13) (1	I-JOIST, SI CONSTI 3/8" APA RATEL 8d NAILS @ 4" O O.C. 3/8" APA RATEL 8d NAILS @ 4" O O.C. 3/8" APA RATEL 8d NAILS @ 2" O O.C. 3/8" APA RATEL 8d NAILS @ 2" O O.C. 15/32" APA ST SHEATHING W/ 11 EDGE AND 1 200 C.C. FIELD @ E 3 AT ADJOINING PANE SFASTENED TOGETH V/ 10d NAILS @ 2" O.C. FIELD @ E 3 AT ADJOINING PANE SFASTENED TOGETH D "16d SINKER" MAY B VD SILL PLATE NAILING UST BE STAGGERED 1 UST BE STAGGERED 1 STAGEREN STAGGEREN STAG	BEAM SU BEAR VAI RUCTION D SHEATHING W/ .C. EDGE AND 12" FIELD D SHEATHING W/ .C. EDGE AND 12" FIELD 2 SHEATHING W/ .C. EDGE AND 12" FIELD 2 SHEATHING W/ .C. EDGE AND 12" FIELD 2 SHEATHING W/ .C. EDGE SHALL BE 3 SHALL BE STAGGEF 2" INTO JOIST, RIM CO AST 1/2" AND ROWS I FOR ADDITIONAL BLC ROWS OF NAILING AI .OW SHEAR WALL, BL TINUIOUS MEMPED 10	BSTITU FOUNDATION SILL PLATE 2X 2X 2X 2X 2X 2X 2X 2X 2X 2X	JTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2@6" 2@6" 2@5" 3@4" MEMBERS OR WACED IN ACCORI 4L CONDITION). ES. ELOW. AT MULTII 3ERED INTO JOI EMENTS AT 1.1/4 3E 1.3/4" WIDE TI 3HEAR WALL AM	ABLE SHEAI AT 16d / SINKER 2@12" 2@8" 2@6" 2@6" 2@6" 2@5" N/A VIDER (OR DANCE WIT WOOD STI WOOD STI WOOD STI	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2-2X NOMIN/ TH COLUMN RUCTURAL F OF NAILING BELC //BERSTRAN AND OR 2" W ST BE (MIN)	ON 12' 8" 4" 2@4 AL PANE , W. D RIM 11/
ET. 4/SD-4. LOOR. R DET. 8/SD-4.	6. SHEAR WALL NO. (10) (11) (11) (11) (12) (13) (1	I-JOIST, SI CONSTI 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 15/32" APA STRUCT SHEATHING W/ 11 EDGE AND 1 15/32" APA STRUCT V/ 10d NAILS @ 2" 0.C. FIELD @ E. 3 AT ADJOINING PANE 85 FASTENED TOGETH D "16d SINKER" MAY B VD SILL PLATE NAILING UST BE STAGGERED 1 IUST BE OFFSET AT LE TAILS 1/SD-2 & 2/SD-2 ON WHERE MULTIPLE LOCKING IS USED BEL 3LOCKING. WHEN CON WBERSTRAND AT EXTER R WALL CONDITION.	BEAM SU BEAR SU HEAR WALL, BL RUCTION SHEATHING W/ C. EDGE AND 12" FIELD SHEATHING W/ C. EDGE AND 12" FIELD SHALLS @ 2" O.C. 2" O.C. FIELD. 1 RATED SHEATHING O.C. EDGE AND 12" A. SIDE OF WALL L EDGES SHALL BE 3 IER WITH STAGGERE E USED AT SINGLE SI 3 SHALL BE STAGGEF /2" INTO JOIST, RIM CO AST 1/2" AND ROWS I FOR ADDITIONAL BLC ROWS OF NAILING AI OW SHEAR WALL, BL TINUOUS MEMBER IS ERIOR WALL CONDITIONAL	BSTITU BSTITU I BSTITU SILL SCH FOUNDATION SILL PLATE 2X 2X 2X 2X 2X 2X 2X 2X 2X 2X	JTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2@6" 2@6" 2@5" 3@4" MEMBERS OR W ACED IN ACCORI ALL CONDITION). ES. ELOW. AT MULTII 3ERED INTO JOI EMENTS AT 1.1/4 3E 1.3/4" WIDE TI SHEAR WALL, ME E TIMBERSTRAN	ABLE SHEAI AT 16d / SINKER 2 @ 12" 2 @ 8" 2 @ 6" 2 @ 6" 2 @ 5" N/A VIDER (OR DANCE WI WOOD STI VIDER (OR DANCE WI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2-2X NOMIN/ TH COLUMN RUCTURAL F OF NAILING DCKING BELC /BERSTRAN AND OR 2" W ST BE (MIN.) IDE I-JOIST A	ON 12' 8" 6" 4" 2@ AL PANE 1.1/4 1.1/4
ET. 4/SD-4. LOOR. R DET. 8/SD-4. STAGG. HE ELOOP	 6. SHEAR WALL NO. 10 11 12 1. FRAMING MEMBER ENTITLE JOINT AN 2. NAILS MI ROWS M (SEE DE CONDITI 3. WHEN BI I-JOIST EI INTERIOI 4. WHEN BI TIMBERS 	I-JOIST, SI CONSTI 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA STRUCT W/ 10d NAILS @ 2" 0.C. FIELD @ E. 3 AT ADJOINING PANE RS FASTENED TOGETH D "16d SINKER" MAYB ND SILL PLATE NAILING UST BE STAGGERED 1 IUST BE OFFSET AT LE TAILS 1/SD-2 & 2/SD-21 ON WHERE MULTIPLE LOCKING IS USED BEL 3LOCKING. WHEN CON IBERSTRAND AT EXTER WALL CONDITION. LOCKING OR CONTINL STRAND. INSTALL ONE	BEAM SU BEAM SU BEAM SU BEAM SU BEATHING W/ C. EDGE AND 12" FIELD D SHEATHING W/ C. EDGE AND 12" FIELD D SHEATHING W/ C. EDGE AND 12" FIELD D SHEATHING W/ C. EDGE AND 12" FIELD RUCT 1 RATED Dd NAILS @ 2" O.C. 2" O.C. FIELD. 1 RATED SHEATHING O.C. EDGE AND 12" FIELD RUCT 1 RATED Dd NAILS @ 2" O.C. 2" O.C. FIELD. 1 RATED SHEATHING O.C. EDGE AND 12" FIELD C.C. EDGE AND 12" FIELD RUCT 1 RATED Dd NAILS @ 2" O.C. 2" O.C. FIELD. 1 RATED SHEATHING O.C. EDGE AND 12" FIELD SHALL BE STAGGERE I USED AT SINGLE SI S SHALL SI SI SI S SHALL SI SI SI SI SI SI S SHALL SI	BSTITU BSTITU BSTITU SIL PLATE 2X 2X 2X 2X 2X 2X 2X 2X 2X 2X	DTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2 @ 6" 2 @ 6" 2 @ 5" 3 @ 4" MEMBERS OR W ACED IN ACCORI ALL CONDITION). ES. ELOW. AT MULTII GERED INTO JOI EMENTS AT 1.1/4 SE 1.3/4" WIDE TI SHEAR WALL, ME E TIMBERSTRAN ELOW SHEAR W. H SIDE OF BEAN	ABLE SHEAI AT 16d / SINKER 2 @ 12" 2 @ 2" 2 @ 6" 2 @ 6" 2 @ 6" 2 @ 6" 2 @ 5" N/A VIDER (OR DANCE WIT WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2-2X NOMIN/ TH COLUMN RUCTURAL F CALLING BELC WBERSTRAN AND OR 2" W ST BE (MIN.) IDE I-JOIST A .1/2" WIDE 'LATE.	ON 12' 8'' 4'' 2@' 4'' 2@' AL >ANE 1.1/4 (IDE 1.1/4
ET. 4/SD-4. LOOR. R DET. 8/SD-4. STAGG. HE FLOOR.	6. SHEAR WALL NO. 10 11 11 13 1. FRAMING MEMBER ENTITLE JOINT AN 2. NAILS MU ROWS M (SEE DE' CONDITI 3. WHEN BI INTERIOU 4. WHEN BI TIMBERS 5. LTP4 REU	I-JOIST, SI CONSTI 3/8" APA RATEL 8d NAILS @ 4" O O.C. 3/8" APA RATEL 8d NAILS @ 4" O O.C. 3/8" APA RATEL 8d NAILS @ 3" O O.C. 3/8" APA RATEL 8d NAILS @ 2" O O.C. 3/8" APA RATEL 8d NAILS @ 2" O O.C. 15/32" APA STRUCT SHEATHING W/ 11 EDGE AND 1 200 C.C. FIELD @ E 3 AT ADJOINING PANE S FASTENED TOGETH V/ 10d NAILS @ 2" O.C. FIELD @ E 3 AT ADJOINING PANE S FASTENED TOGETH D "16d SINKER" MAY B ND SILL PLATE NAILING UST BE STAGGERED 1 UST BE STAGGERED 1 UST BE STAGGERED 1 ON WHERE MULTIPLE LOCKING IS USED BEL 3LOCKING. WHEN CON WBERSTRAND AT EXTER R WALL CONDITION. LOCKING OR CONTINL 3TRAND. INSTALL ONE QUIRES 0.131"x2.1/2" N	BEAM SU BEAM SU BEAR SU PERAR WAL RUCTION D SHEATHING W/ .C. EDGE AND 12" FIELD D SHEATHING W/ .C. EDGE AND 12" FIELD RUCT 1 RATED Dd NAILS @ 2" O.C. 2" O.C. FIELD. 1 RATED SHEATHING 0.C. EDGE AND 12" A SIDE OF WALL L EDGES SHALL BE 3 IER WITH STAGGERE J SHALL BE STAGGEF /2" INTO JOIST, RIM CC AST 1/2" AND ROWS I FOR ADDITIONAL BLC ROWS OF NAILING AI .OW SHEAR WALL, BL TINUOUS MEMBER IS ERIOR WALL CONDITION IOUS MEMBER IS USE ROW OF SHEAR COM IAILS WHEN INSTALLE	BSTITU BSTITU BSTITU SULPLATE 2X 2X 2X 2X 2X 2X 2X 2X 2X 2X	DTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2@ 6" 2@ 6" 2@ 5" 3@ 4" MEMBERS OR W ACED IN ACCORI 4L CONDITION). ELOW. AT MULTHI GERED INTO JOI: EMENTS AT 1.1/4 SHEAR WALL, MI E TIMBERSTRAN ELOW SHEAR WALL, MI E TIMBERSTRAN ELOW SHEAR WALL H SIDE OF BEAW 'HING.	SHEAI AT 16d / SINKER 2@12" 2@8" 2@6" 2@6" 2@6" 2@6" 2@6" 2@5" N/A VIDER (OR DANCE WI VIDER (OR DANCE WI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI UD OR 2" WI ALL, USE 3 1 TO TOP P	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2-2X NOMIN/ TH COLUMN RUCTURAL F OF NAILING DCKING BELC VBERSTRAN AND OR 2" W ST BE (MIN.) IDE I-JOIST A 1/2" WIDE 1/2" WIDE 1/2" WIDE	ON 12' 8" 6" 4" 2@4 AL 2@4 AL 2@4 1.1/4
ET. 4/SD-4. LOOR. R DET. 8/SD-4. STAGG. HE FLOOR. 1'-0" LONG) TO SIDE OF BEAM	6. SHEAR WALL NO. (10) (11) (11) (12) (13) (1	I-JOIST, SI CONSTI 3/8" APA RATEL 8d NAILS @ 4" 0.C. 3/8" APA RATEL 8d NAILS @ 4" 0.C. 3/8" APA RATEL 8d NAILS @ 3" 0 0.C. 3/8" APA RATEL 8d NAILS @ 2" 0 0.C. 3/8" APA RATEL 8d NAILS @ 2" 0 0.C. 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 20 3 AT ADJOINING PANE 85 FASTENED TOGET 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ EJ 3 AT ADJOINING PANE 85 FASTENED TOGET W/ 10d NAILS @ 2" 0.C. FIELD @ DI 3 AT ADJOINING PANE 85 FASTENED TOGET NU ST BE STAGGERED 1 100000000000000000000000000000000000	BEAM SU BEAM SU BEAR SU PERATHING W/ C. EDGE AND 12" FIELD D SHEATHING W/ C. EDGE AND 12" FIELD C SHEATHING W/ C. EDGE SHALL BE C SHALL BE STAGGEF C SHALL BE STAGGEF C AST 1/2" AND ROWS C SOF NAILING AI COW SHEAR WALL, BL TINUOUS MEMBER IS USE ROW OF SHEAR CON IAILS WHEN INSTALLE	BSTITU BSTITU SUBDATION SILL PLATE 2X 2X 2X 2X 2X 2X 3X INCH NOMINAL D 16d NAILS SP DED SHEAR W/ RED IN ALL CAS INCH NOMINAL D 16d NAILS SP DED SHEAR W/ RED IN ALL CAS INCH NOMINAL D 16d NAILS SP DED SHEAR W/ RED SHEAR INCH NOMINAL D 16d NAILS SP DED SHEAR W/ RED IN ALL CAS INCH NOMINAL D 16d NAILS SP DED SHEAR W/ RED SHEAR INCH NOMINAL D 16d NAILS SP DED SHEAR W/ RED SHEAR W/ RED SHEAR INCH NOMINAL D 16d NAILS SP DED SHEAR W/ RED SHEAR INCH NOMINAL D 16d NAILS SP DED SHEAR W/ RED SHEAR W/ SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR SHEAR	DTION TA DITION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2@6" 2@6" 2@5" 3@4" MEMBERS OR WACED IN ACCORI 4L CONDITION). ES. ELOW. AT MULTII GERED INTO JOI: EMENTS AT 1.1/4 BE 1.3/4" WIDE TI SHEAR WALL, ME E TIMBERSTRAN ELOW SHEAR WA H SIDE OF BEAM THING.	SHEAI AT 16d / SINKER 2@12" 2@8" 2@6" 2@6" 2@6" 2@6" 2@6" 2@5" N/A VIDER (OR DANCE WIT WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI WOOD STI	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2-2X NOMIN/ TH COLUMN RUCTURAL F 3 OF NAILING DCKING BELC /BERSTRAN AND OR 2" W IST BE (MIN.) IDE I-JOIST A ST BE (MIN.) IDE I-JOIST A 	ON 12' 8" 6" 4" 2@4 2@4 AL 2ANE 1.1/4 1.1/4
ET. 4/SD-4. LOOR. R DET. 8/SD-4. STAGG. HE FLOOR. 1'-0" LONG) TO SIDE OF BEAM 4X BLKG. W/ COIL STRAP @	6. SHEAR WALL NO. (10) (11) (11) (12) (13) (1	I-JOIST/ SI CONSTI 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 4" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 3/8" APA RATEL 8d NAILS @ 2" O 0.C. 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA ST SHEATHING W/ 10 EDGE AND 1 15/32" APA STRUCT W/ 10d NAILS @ 2" 0.C. FIELD @ E/ 3 AT ADJOINING PANE R FASTENED TOGETH D "16d SINKER" MAYB ND SILL PLATE NAILING UST BE STAGGERED 1 IUST BE OFFSET AT LE TAILS 1/SD-2 & 2/SD-21 ON WHERE MULTIPLE LOCKING IS USED BEL 3LOCKING. WHEN CON MBERSTRAND AT EXTER WALL CONDITION. LOCKING OR CONTINU STRAND. INSTALL ONE QUIRES 0.131"x2.1/2" N	BEAM SU BEAM SU BEAR SU PLEAR WAL RUCTION D SHEATHING W/ C. EDGE AND 12" FIELD D SHEATHING W/ C. EDGE AND 12" FIELD D SHEATHING W/ C. EDGE AND 12" FIELD D SHEATHING W/ C. EDGE AND 12" FIELD RUCT 1 RATED D SHEATHING W/ C. EDGE AND 12" FIELD C. EDGE AND 12" FIELD FIELD FIEL	BSTITU BSTITU BSTITU BSCH SIL PLATE 2X 2X 2X 2X 2X 2X 2X 2X 2X 2X	DTION TA EDULE 2X SOLE PLATE NAILING (16d SINKERS) ² 6" 4" 2 @ 6" 2 @ 5" 3 @ 4" MEMBERS OR W ACED IN ACCORI ALL CONDITION). ES. ELOW. AT MULTII GERED INTO JOI: EMENTS AT 1.1/4 BE 1.3/4" WIDE TI SHEAR WALL, ME E TIMBERSTRAN ELOW SHEAR W. H SIDE OF BEAW THING.	ABLE SHEAI AT 16d / SINKER 2 @ 12" 2 @ 6" 2 @ 6" 2 @ 6" 2 @ 6" 2 @ 5" N/A VIDER (OR DANCE WIT WOOD STI PLE ROWS ST OR BLO 4" WIDE TIM MBERSTR, EMBER MU ID OR 2" WI ALL, USE 3 1 TO TOP P	R CONNECTI TOP PLATE A35/LS50/H1/ /LTP4 ⁵ 16" 10" 8" 6" 2@6" 2-2X NOMIN/ TH COLUMN RUCTURAL F 2-2X NOMIN/ TH COLUMN RUCTURAL F CKING BELC WBERSTRAN AND OR 2" W IST BE (MIN.) IDE I-JOIST A IDE I-JOIST A 1/2" WIDE 'LATE.	ON 12' 8" 6" 2@2 AL 2@2 AL 2@2 AL 1.1/4





DRAWN BY	
	A.V./T.D.
CHECKED BY	
	M.V.G./R.S.
PROJECT NO.	
	10-12072
SSUE DATE	
	09/05/2023
PLOT DATE	
	02/27/2024
SHEET NO.	

149.2267

S-1.2



Scintee

PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING:

Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other

2022 California Building Standard Codes Approved 03/06/2024

Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV



NOTE: 1. REFER TO SHEET S-1.1 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.

FOUNDATION PLAN - B SCALE: 1/4" = 1'-0"









DRAWN BY	
	A.V./T.D.
CHECKED BY	
	M.V.G./R.S.
PROJECT NO.	
	10-12072
ISSUE DATE	
	09/05/2023
PLOT DATE	00/07/000/
	02/27/2024
SHEET NO.	

S-1.3 149.2267



BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

22 California Building Standard Codes Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV

Plan-Approved



NOTE: 1. REFER TO SHEET S-1.2 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.

ROOF FRAMING PLAN - B SCALE: 1/4" = 1'-0"



PLAN 1B
A.V./T.D.
M.V.G./R.S. JECT NO. 10-12072

	A.V./T.D.
CHECKED BY	
	M.V.G./R.S.
PROJECT NO.	
	10-12072
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	09/05/2023
PLOT DATE	00/07/0004
	02/27/2024
SHEET NO.	

S-1.4 149.2267



3. ALL SHEAR PANELS ARE TO RUN CONTINUOUS THROUGH PERPENDICULAR WALLS WHERE OCCURS.

- 12 INSTALL 2-HTS20 STRAPS (U.N.O.) FROM BEAM/HEADER TO POST
- 13 A 10" SQ. HOLE MAY BE CUT IN SHEAR PANEL FOR VENT @ OPT. F.P. INSTALL 4X BLKG. W/ COIL STRA T&B OF OPENING, 2' PAST OPENING EA. SIDE (SIM. TO DET. 6/SD-4)
- 14 DO NOT INSTALL VENTS/UTILITIES IN SHEAR PANEL.
- 15 TRIM BM. TO MATCH ROOF SLOPE, MIN. 4" HEEL HEIGHT (U.N.O.)

		ITRACTORS RESPONSIB		MENSIONS WITH
THE ARC ANY DIS	CHITECTURAL	FLOOR PLAN AND NOTI	FY THE ARCHITECT AND ORK.	DENGINEER OF
2. THE GEN GENERA FOUNDA	NERAL CONDI AL STRUCTUR ATION.	ITIONS, SPECIFICATIONS AL DETAILS AND THE FC	S, GENERAL NOTES ON S DLLOWING APPLY TO TH	SHEET SD-0, E WORK OF THE
3. SUB-GR/ SOILS RI ENGINE	ADE PREPAR/ EPORT AND S ER.	ATIONS SHALL CONFORI SHALL BE PERFORMED U	M TO THE REQUIREMEN INDER THE SUPERVISIC	TS OF THE N OF THE SOILS
4. FOOTING	GS ARE TO BE		FIED IN WRITING BY THE	PROJECT
5. ANY DIS	CREPANCIES	OR UPDATES OF SOIL IN	FORMATION SHALL BE B	ROUGHT TO THE
6. ALL SHE	ON OF THE EN	NGINEER OF RECORD. NGTHS ARE MINIMUM. RE	EFER TO ARCHITECTUR	AL FLOOR PLANS
FOR ACT	FUAL WALL LE	ENGTHS.		
FOUNDA		RUCTION REQUIREMENT		
8. PROVIDE ALL CON CAST INI	E MINIMUM #3	X24" LONG DOWELS AT)PS, PORCHES, PATIOS, OF POST TENSIONING SI	24" O.C. MAX. & 12" FRO AND OTHER ATTACHMI LAB, UNLESS OTHERWI	M CORNERS AT ENTS WHEN SE NOTED.
 9. ALL TEN 10. REFER T 	IDON TRANSI	FION SHALL BE MADE WI 7 & 18 ON SD-1 FOR REIN	TH A 1:6 SLOPE MAX.	MENTS AT
POP-OU	T & CORNER	CONDITIONS.	BUILDING DEPARTMEN	T FOUNDATION
INSPECT WRITINS	FION, THE SC G THAT:	EER SHALL AD	VISE THE BUILDING OF	
a) THE b) THE 1 c) THE		EPARED IN AC	CORDANCE WITH THE S ERLY BACKFILLED AND XPANSIVE CHARACTER	COMPACTED,
BEAR	VG CAPACITY	CONFORM TO THE SOIL	S REPORT.	-
POST-TENSION		HIGH TO VERY HIGH	AR SCHEDULE	1
FOUNDATION	LOCATION PERIMETER	EXP. SOIL (E.I. <u>></u> 91) 26"	TOP OF SLA	AB TO
FTG. HT.	INTERIOR PERIMETER	26"	BOTT. OF I BELOW FIN. (TG. GRADE
FTG. EMBED	INTERIOR PERIMETER		BELOW FIN. (MIN. U.N	GRADE .O.
FTG. REINF	INTERIOR	12" 2-#5 (B)	MIN. U.N	.0.
BEAM TENDON NOT SHOWN	INTERIOR	2-#5 (B)	SEE NUMBER OF BEAM / WHERE BEAM TENI	AKKUWS ON PLAN DON OCCURS
TIE BE	EAM THICKNESS	12"W X18"D W/ 2-#5 (T&B) 4.5"		
MOISTURE * SEE SOILS	BARRIER REPORT FOR S	MIN. 10-MIL ASTM-1745 CLAS SUB-GRADE PREPARATION &	SS C PER SOILS REPORT B	Y SA GEOTECHNICA REQUIREMENTS.
		LEGEN	D	
1.	< <u>#</u> >	INDICATES SHEAR W ANCHOR BOLT SCHE ANCHOR BOLTS.	ALL TYPE AND LOCATION. DULE ON THIS SHEET FOR	REFER TO SPACING OF
2.	#	INDICATES SHEAR P	ANEL APPLIED TO ENTIRE	WALL. INSTALL
3.		LENGTH OF WALL.	D SIMPSON HOLD-DOWN A	NCHOR. SEE
	POPLOW	DETAILS 13 AND 15 C EMBEDMENT REQUIF MANUAL FOR ADDITI	N SHEET SD1 FOR TYPE O REMENTS. REFER TO MAN ONAL REQUIREMENTS. AL	F BOLT & UFACTURER'S L HOLD-DOWNS
	⊠× ≲i∕S	CONCRETE. PROVID BOTTOM OF HOLD-D	TIED IN PLACE PRIOR TO F E MIN. 12"X12"X3" DEEP FT OWN ANCHORS.	G. BELOW
4.	PO C.	INDICATES POST WIT	H SIMPSON BASE TO FOU	NDATION.
5.	2.21'/27"±/1.5" -	SLAB & BI	EAM TENDON ELONGATION	
1 1	↑ •	SLAB TEN	IDON SPACING	
♠		TOTAL LE	NGTH OF SLAB & BEAM TEND	
		(+36" FOR	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS)	ON
		(+36" FOR WUMBER SHOWN S	GE TO EDGE OF SLAB + 18" R TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE GEPARATE SEE ITEM #7 BELO)	ON :NDONS V
6.		NUMBER 	GE TO EDGE OF SLAB + 18" R TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV	ON INDONS V
6.		SLAB TE NOTE: STRESSED AND	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI U ENOTH > 120° STRESS TEN	ON INDONS V
6. 7.		NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI I LENGTH ≥ 120', STRESS TEN	ON ENDONS V ED. DON AT EACH END.
6. 7.		NUMBER NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI I LENGTH ≥ 120', STRESS TENI R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM OF STRESSED END	ON ENDONS V ED. DON AT EACH END.
6. 7.		NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON NOTE: WHERE TENDON DEADEN	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI I LENGTH ≥ 120', STRESS TENI R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM N STRESSED END ND	ON INDONS V ED. DON AT EACH END.
6. 7.		NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON NOTE: WHERE TENDON DEADEN NUMBER TENDON DEADEN	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI I LENGTH ≥ 120', STRESS TENI R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM N STRESSED END ND SCHEDULE	ON INDONS V ED. DON AT EACH END.
6.	A.B.	NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON NOTE: WHERE TENDON DEADEN NUMBER TENDON DEADEN	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI I LENGTH ≥ 120', STRESS TENI R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM N STRESSED END ND SCHEDULE ALTERNATE SIMPSON MASA CONSTRUCTION **	ON SNDONS V ED. DON AT EACH END. SILL PLATE
6. 7. SHEAR WALL SCH. NO. (10)	A	NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON NOTE: WHERE TENDON DEADEN NUMBER TENDON DEADEN NUMBER TENDON DEADEN NUMBER SHOWN S	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI I LENGTH ≥ 120', STRESS TENI R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM N STRESSED END ND SCHEDULE ALTERNATE SIMPSON MASA @ 36" OC. MASA @ 28" OC.	ON SNDONS V ED. DON AT EACH END. SILL PLATE 2X 2X
6. 7. SHEAR WALL SCH. NO. (10) (11) (12)	A.B. 5/8	NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON NOTE: WHERE TENDON NOTE: WHERE TENDON NUMBER TENDON DEADEN NUMBER SHOWN S	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI I LENGTH ≥ 120', STRESS TENI R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM N STRESSED END ND SCHEDULE ALTERNATE SIMPSON MASA @ 36" OC. MASA @ 28" OC. MASA @ 20" OC.	ON SINDONS ED. DON AT EACH END. SILL PLATE 2X 2X 2X
6. 7. SHEAR WALL SCH. NO. (10) (11) (12) (13)	A.B. 5/8 5/8	NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON NOTE: WHERE TENDON NOTE: WHERE TENDON DEADEN NUMBER TENDON DEADEN NUMBER SHOWN S	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERS! I LENGTH ≥ 120', STRESS TEN R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM N STRESSED END ND BCHEDULE ALTERNATE SIMPSON MASA @ 36" OC. MASA @ 28" OC. MASA @ 20" OC. MASA @ 16" OC.	ON NDONS ED. DON AT EACH END. SILL PLATE 2X 2X 2X 2X 2X
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6. 7. 5. 5. 5. 6. 7. 7. 6. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	L A.B. 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	NUMBER SHOWN S SLAB TE DEAD E NOTE: STRESSED AND NOTE: WHERE TENDON NOTE: WHERE TENDON NOTE: WHERE TENDON NUMBER TENDON DEADEN NUMBER	GE TO EDGE OF SLAB + 18" TWO STRESSED ENDS) OF SLAB TENDONS (BEAM. TE SEPARATE SEE ITEM #7 BELOV ENDON STRESSED END ND DEAD ENDS MAY BE REVERSI I LENGTH ≥ 120', STRESS TENI R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM N STRESSED END ND SCHEDULE ALTERNATE SIMPSON MASA @ 36" OC. MASA @ 28" OC. MASA @ 28" OC. MASA @ 20" OC. MASA @ 16" OC. N/A .C. MAX. (5/8" A.B. @ 48" O.C. N GN CATEGORY TYPE) PINS @ 24" O.C. MIN. ANCHOR BOLTS (REQ'D AT S DIAGONALLY SLOTTED WITH ENGTH NOT TO EXCEED 1-3/4 NTE WASHER AND THE NUT. T	ON SNDONS V ED. DON AT EACH END. SILL PLATE 2X 2X 2X 2X 2X 2X 3X MAX. AT SEISMIC SHEAR WALLS ONLY). A WIDTH OF UP TO ", PROVIDED A HE PLATE WASHER
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DRAWN BY	
	A.V./T.D.
CHECKED BY	
	M.V.G./R.S.
PROJECT NO.	
	10-12072
ISSUE DATE	
	09/05/2023
PLOT DATE	
	02/27/2024
SHEET NO.	

S-1.1A

149.2147



NOTE: 1. DO NOT INSTALL PLUMBING IN PLYWOOD SHEAR WALLS.

- 2. ALL SHEAR WALL LENGTHS ARE MINIMUM. CHECK ARCHITECTURAL FLOOR PLANS FOR ACTUAL WALL LENGTHS.
- 3. ALL SHEAR PANELS ARE TO RUN CONTINUOUS THROUGH PERPENDICULAR WALLS WHERE OCCURS.

ROOF FRAMING PLAN SCALE: 1/4" = 1'-0"

Scintee Do More + DUE EAST PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions. 2022 California Building Standard Codes

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

	CONSTRUCTION KEY NOTES
1	INSTALL MSTA36 STRAP (U.N.O.) PER DETAIL 19/SD-3, 16/SD-4, OR 4/SD-5.
2	INSTALL MSTA36 STRAP (U.N.O.) AT PLATE BREAK (IF OCCURS).
3	POCKET BEAM IN WALL WITH 2-2X TRIM (U.N.O.) AND 2X K.S. EACH SIDE PER DET. 4/SD-4.
4	ALIGN POST W/ POST ABOVE OR BELOW, AND PROVIDE SOLID BLOCKING AT FLOOR.
5	ALIGN SHEARWALL WITH SHEARWALL ABOVE OR BELOW.
6	INSTALL PLUMBING IN NON-STRUCTURAL WALL.
7	FULL HEIGHT BALLOON FRAMED WALL WITH 2X6 (U.N.O.) STUDS @ 16" O.C. PER DET. 8/SD-4.
8	STITCH NAIL 2X AT END OF SHEARWALL TO ADJACENT POST W/16d @ 3" O.C. STAGG.
9	INSTALL CS16 STRAP (U.N.O.) PER DET. 1/SD-5 @ THE ROOF & DET. 8/SD-5 @ THE FLOOR.
10	INSTALL 4-A35/LTP4 (U.N.O.) FROM D.T./JOIST/BEAM TO TOP PLATE.
11	STITCH NAIL SNUG, FULL-DEPTH 1.3/4" T.S. BLKG. AT BEARING LOCATION (MIN. 1'-0" LONG) TO SIDE OF WITH 28 (MIN.) 16d STAGG.
12	INSTALL 2-HTS20 STRAPS (U.N.O.) FROM BEAM/HEADER TO POST
13	A 10" SQ. HOLE MAY BE CUT IN SHEAR PANEL FOR VENT @ OPT. F.P. INSTALL 4X BLKG. W/ COIL STRAF T&B OF OPENING, 2' PAST OPENING EA. SIDE (SIM. TO DET. 6/SD-4)
14	DO NOT INSTALL VENTS/UTILITIES IN SHEAR PANEL.

15 TRIM BM. TO MATCH ROOF SLOPE, MIN. 4" HEEL HEIGHT (U.N.O.)

1. TI	ROOF FRAMING NOTES
G FF	HE GENERAL CONDITIONS, SPECIFICATIONS AND GENERAL NOTES ON SHEET SD-0, ENERAL STRUCTURAL DETAILS AND THE FOLLOWING APPLY TO THE WORK OF THE ROOF RAMING.
2. C Pl D	ONTRACTOR SHALL CHECK ROOF FRAMING DIMENSIONS AGAINST THE ARCHITECTURAL .AN AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY OMISSIONS AND/OR ISCREPENCIES BEFORE STARTING WORK.
3. Al	L WALLS ARE TO BE 2X4 STUDS @ 16" O.C. UNLESS OTHERWISE NOTED.
4. SI	EE ARCHITECTURAL PLANS FOR LOCATIONS OF 2X6 PLUMBING WALLS.
5. HI T(EADERS SUPPORTING ROOF LOADS SHALL HAVE AT LEAST ONE 2X TRIMMER CONTINUOUS O THE SILL PLATE U.O.N.
6. HI TI	EADERS SPANNING 6'-0" OR MORE SHALL HAVE AT LEAST 2-2X TRIMMERS CONTINUOUS TO HE SILL PLATE AND 2-2X KING STUDS, U.N.O.
7. Al	LL SHEAR CONNECTORS AND BLOCKING AT PLATE LEVEL MUST BE INSTALLED PRIOR TO
8. R	TE INSTALLATION OF ROOF SHEATHING.
9. IN	TERIOR NON-BEARING WALL TOP PLATE MAY BE 1X4 OVER 2X4.
10. G	T = GIRDER TRUSS W/ 2-2X @ SUPPORTS (U.N.O. ON PLANS)
11. JT	
12. R	DOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS: DL: 15 PSF @ TOP CHORD FOR TILE ROOF 6 PSF @ BOTTOM CHORD LL: 20 PSF @ TOP CHORD 10 PSF @ POTTOM CHORD (NON CONCURRENT W/ TOP CHORD LIVE LOAD)
13. U.	N.O. ALL GABLE END TRUSS SHALL BE DESIGNED TO CARRY 180 plf. ALONG FULL LENGTH
O BI	F THE TOP CHORD AND BE CAPABLE OF TRANSFERRING THE LOAD TO THE SHEARWALL ELOW (WHERE OCCI THE USE OF STUCCO.
14. TI RI	RUSS SUPPLIER SHA CONTRUSS DESIGN AND SHOP DRAWINGS TO THE ENGINEER OF
15. SI	
16. TI Ri	RUSS TO TRUSS CONNECTIONS AND TRUSS TO GIRDER CONNECTIONS AND OTHER ELAT D CONNECTIONS AND TRUSS TO GIRDER CONNECTIONS AND OTHER
17. B/ BI	ALLOON FRAME INDICATES WALL CONTINUOUS FROM SILL PLATE TO TOP PLATE DIRECTLY
18. A	LL WALLS TO BE FRAMED W/ CONTINUOUS STUDS TO BOTTOM CHORD OF TRUSSES U.N.O.
19. FC	OR ALL CS COILED STRAPS USE 8d NAILS ON EVERY OTHER NAIL HOLE.
20. U: D!	SE MSTA36 TO CONNECT TOP PLATES AT ALL PLATE BREAKS U.N.O. AND 12-16d NAILS PER ETAIL 15/SD4 AT TOP PLATE SPLICES.
21. SI	HEAR PANELS MAY BE INSTALLED ON EITHER SIDE OF THE WALL.
22. IN A	STALL 2X4 LADDER BLOCKING @ T&B CHORD OF TRUSSES @ 24" O.C. IF 30"X30" ATTIC CCESS OCCURS.
23. RI	EFER TO DETAILS 17/SD-2 AND 18/SD-2 FOR EAVE BLOCK DETAILS.
24. Al A	LL SHEARWALL LENGTHS ARE MINIMUM. REFER TO ARCHITECTURAL FLOOR PLANS FOR CTUAL WALL LENGTHS.
25. D	O NOT INSTALL PLUMBING IN SHEARWALLS.
26. A ⁻ SI	F EXTERIOR WALL LOCATIONS, INSTALL SIMPSON H1A AT EVERY SINGLE-PLY TRUSS (OR MPSON H2.5A AT EVERY MULTI-PLY TRUSS).
	FRAMING LEGEND
1.	R.T. INDICATES MANUFACTURED ROOF TRUSS @ 24" O.C. U.N.O.
2.	D.T. W/ B.N. INDICATES DRAG TRUSS TO BE DESIGNED TO RESIST THE SPECIFIED LATERAL LOAD APPLIED UNIFORMLY ALONG TOP
_	(V=2.0k) CHORD OF TRUSS & TRANSFERED TO SHEAR WALL OR DRAG STRAP BELOW. BOUNDARY NAILING TO BE INSTALLED AT ROOF SHEATHING ACROSS FULL LENGTH OF TRUSS.
3.	(#) INDICATES SHEAR WALL TYPE AND LOCATION. REFER TO SHEAR
4.	INDICATES SHEAR PANEL APPLIED TO ENTIRE WALL INCLUDING
<u> </u>	ABOVE AND BELOW OPENINGS PER DETAIL 6/SD-4. ALL BOUNDARY EDGES OF PLYWOOD MUST BE NAILED TO BLOCKING.
5.	INDICATES POST AND SIMPSON STRAP OR HOLD-DOWN
_	ANCHOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS 9 TO 12 ON SHEET SD-4, OR 13 & 15 ON SHEET SD-1.
K	
6.	X indicates continuous post from SILL PLATE TO TOP PLATE.
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6. SHEAF WALL NO. (10) (11) (12) ^{1,3} (13) ^{1,4} (1) (13) ^{1,4} (1) (14) ^{1,4} (1) (15) ^{1,4} (1)	Subcates continuous post proving site Prate to to op Prate Subcates continuous post proving site Prate to to op Prate Subcates continuous post proving site prate Subcates continuous proving site prate prate Subcates continuous proving site prate prate Subcates continuous prate post proving site prate Subcates continuous prate post proving site prate

ИСЛ Structural 1845 W. Orangewood Ave., Suite 200 Orange, CA 92868 (714) 978.9780 This drawing and the design concepts are proprietary to VCA Structural and the drawing or design concepts shall not be used or reproduced in part or in whole without the express permission in writing by VCA Structural ISSUES & REVISIONS \square FRAME WALK REVS. 02-27-2024 R.S. \land \triangle \bigtriangleup _____ \triangle \triangle \bigtriangleup \triangle \triangle SEAL / SIGNATURE

> Ζ 4 **____** Δ NG NG ENS 16-3 RAM LL 0 00 RO Ω A $\overline{}$ AN ٩

A.V./T.D.
M.V.G./R.S.
10-12072
09/05/2023
00/07/2024
02/27/2024

S-1.2A 149.2147



NOTE: 1. DO NOT INSTALL PLUMBING IN PLYWOOD SHEAR WALLS.

1T/22.17'/35"±/1.43"

2. ALL SHEAR WALL LENGTHS ARE MINIMUM. CHECK ARCHITECTURAL FLOOR PLANS FOR ACTUAL WALL LENGTHS.

3. ALL SHEAR PANELS ARE TO RUN CONTINUOUS THROUGH PERPENDICULAR WALLS WHERE OCCURS.



8T/41.50'/56"±/3.12"

2T/15.50'/37"±/0.87"

	CONSTRUCTION KEY NOTES
1	INSTALL MSTA36 STRAP (U.N.O.) PER DETAIL 19/SD-3, 16/SD-4, OR 4/SD-5.
2	INSTALL MSTA36 STRAP (U.N.O.) AT PLATE BREAK (IF OCCURS).
3	POCKET BEAM IN WALL WITH 2-2X TRIM (U.N.O.) AND 2X K.S. EACH SIDE PER DET. 4/SD-4.
4	ALIGN POST W/ POST ABOVE OR BELOW, AND PROVIDE SOLID BLOCKING AT FLOOR.
5	ALIGN SHEARWALL WITH SHEARWALL ABOVE OR BELOW.
6	INSTALL PLUMBING IN NON-STRUCTURAL WALL.
7	FULL HEIGHT BALLOON FRAMED WALL WITH 2X6 (U.N.O.) STUDS @ 16" O.C. PER DET. 8/SD-4.
8	STITCH NAIL 2X AT END OF SHEARWALL TO ADJACENT POST W/16d @ 3" O.C. STAGG.
9	INSTALL CS16 STRAP (U.N.O.) PER DET. 1/SD-5 @ THE ROOF & DET. 8/SD-5 @ THE FLOOR.
10	INSTALL 4-A35/LTP4 (U.N.O.) FROM D.T./JOIST/BEAM TO TOP PLATE.
11	STITCH NAIL SNUG, FULL-DEPTH 1.3/4" T.S. BLKG. AT BEARING LOCATION (MIN. 1'-0" LONG) TO SIDE C WITH 28 (MIN.) 16d STAGG.
12	INSTALL 2-HTS20 STRAPS (U.N.O.) FROM BEAM/HEADER TO POST
13	A 10" SQ. HOLE MAY BE CUT IN SHEAR PANEL FOR VENT @ OPT. F.P. INSTALL 4X BLKG. W/ COIL STR. T&B OF OPENING, 2' PAST OPENING EA. SIDE (SIM. TO DET. 6/SD-4)

14 DO NOT INSTALL VENTS/UTILITIES IN SHEAR PANEL.

15 TRIM BM. TO MATCH ROOF SLOPE, MIN. 4" HEEL HEIGHT (U.N.O.)

FOUNDATION PLAN - A SCALE: 1/4" = 1'-0"

		FOUNDATION				
THE ARCHITECTURAL FLOOR PLAN AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING WORK.						
2. THE GENERAL CONDITIONS, SPECIFICATIONS, GENERAL NOTES ON SHEET SD-0, GENERAL STRUCTURAL DETAILS AND THE FOLLOWING APPLY TO THE WORK OF THE FOUNDATION.						
3. SUB-GRADE PREPARATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE SOILS REPORT AND SHALL BE PERFORMED UNDER THE SUPERVISION OF THE SOILS ENGINEER.						
4. FOOTING	S ARE TO BE I	EXAMINED AND CERTI	FIED IN WRITING BY TH	E PROJECT		
5. ANY DISC	EOLOGY ENGI	NEER PRIOR TO PLACE	EMENT OF CONCRETE.	BROUGHT TO THE		
ATTENTI	ON OF THE EN	GINEER OF RECORD.				
6. ALL SHE FOR ACT	AR WALL LENG UAL WALL LEN	GTHS ARE MINIMUM. RI NGTHS.	EFER TO ARCHITECTU	RAL FLOOR PLANS		
7. REFER T FOUNDA	O DETAILS 24	- 29 ON SHEET SD-1 FO UCTION REQUIREMEN	OR GENERAL POST-TEN TS.	ISION		
8. PROVIDE ALL CON CAST INI	E MINIMUM #3X CRETE STOOF DEPENDENT O	24" LONG DOWELS AT PS, PORCHES, PATIOS, F POST TENSIONING S	24" O.C. MAX. & 12" FR AND OTHER ATTACHN LAB, UNLESS OTHERV	OM CORNERS AT //ENTS WHEN /ISE NOTED.		
9. ALL TEN	DON TRANSITI	8 18 ON SD-1 FOR REI	ITH A 1:6 SLOPE MAX.	ΞΜΕΝΤΆ ΔΤ		
POP-OUT	CORNER C	ONDITIONS.				
11. PRIOR TO INSPECT	O THE CONT		BUILDING DEPARTMEI	NT FOUNDATION FFICIAL IN		
a) THE		EPARED IN AC	CORDANCE WITH THE PERLY BACKFILLED AN	SOILS REPORT, D COMPACTED,		
<u>1</u> c) THE BEARIN	FOUNDATIONN IG CAPACITY C	EXCALA MONS, SOILS I CONFORM TO THE SOIL	XPANSIVE CHARACTE 5 REPORT.	RISTICS, AND		
t) 24 9:26:26 AM DOTINC & SL/	B SCHEDUL	E		
POST-TENSION FOUNDATION	FOOTING LOCATION	HIGH TO VERY HIGH EXP. SOIL (E.I. ≥ 91)				
'd' MIN. FTG. HT.		26" 26"	TOP OF SI BOTT. OF	.AB TO FTG.		
	PERIMETER	18"	BELOW FIN	GRADE		
''''''''''''''''''''''''''''''''''''''	IN FERIOR PERIMETER	18" 12"	BELOW FIN MIN. U.	. GRADE N.O.		
FTG. WIDTH	INTERIOR PERIMETER	12" 2-#5 (B)	MIN. U.			
BEAM TENDON NOT SHOWN	INTERIOR	2-#5 (B)		NDON OCCURS		
TIE BE	AM 1 HICKNESS	2"W X18"D W/ 2-#5 (T&B) 4.5"				
MOISTURE	BARRIER M	IIN. 10-MIL ASTM-1745 CLA	I SS C PER SOILS REPORT I	BY SA GEOTECHNICAL		
* SEE SOILS	REPORT FOR SU	JB-GRADE PREPARATION	& MOISTURE PROTECTION	REQUIREMENTS.		
		LEGEN	D			
1.	(#)	INDICATES SHEAR V	VALL TYPE AND LOCATION	I. REFER TO		
2	$\langle \# \rangle$	ANCHOR BOLTS.				
2.		INDICATES SHEAR P ANCHOR BOLTS PER LENGTH OF WALL.	ANEL APPLIED TO ENTIRE R ANCHOR BOLTS SCH. FC	EWALL. INSTALL DR ENTIRE		
3.	ost jun	INDICATES POST AN DETAILS 13 AND 15 (D SIMPSON HOLD-DOWN A	ANCHOR. SEE OF BOLT &		
	T HOLDIDU	EMBEDMENT REQUI MANUAL FOR ADDIT MUST BE PROPERIY	REMENTS. REFER TO MA IONAL REQUIREMENTS. A 1 TIFD IN PLACE PRIOR TO	NUFACTURER'S LL HOLD-DOWNS POURING		
	E S	CONCRETE. PROVIE BOTTOM OF HOLD-D	DE MIN. 12"X12"X3" DEEP F OWN ANCHORS.	TG. BELOW		
4.	CONNEC	INDICATES POST WI	TH SIMPSON BASE TO FOU	JNDATION.		
5.		SLAB & B	FAM TENDON FLONGATION			
			NDON SPACING			
		TOTAL LE	ENGTH OF SLAB & BEAM TEN	DON		
		(+36" FOF	R TWO STRESSED ENDS)	TENDONS		
6.		SHOWN	SEPARATE SEE ITEM #7 BELC	W W		
		SLAB T	ENDON STRESSED END			
		NOTE: STRESSED AND NOTE: WHERE TENDO	DEAD ENDS MAY BE REVER N LENGTH ≥ 120', STRESS TE	SED. NDON AT EACH END.		
7.						
		NUMBE NUMBE TENDO	R OF ARROWS INDICATES R OF BEAM TENDONS, BEAM N STRESSED END			
	1A					
SCH. NO.	A.B. C	CONSTRUCTION *	MASA CONSTRUCTION **	SILL PLATE		
(10)	5/8"	A.B. @ 48" OC.	MASA @ 36" OC.	2X		
(11)	5/8"			2X		
(12) (12)	5/8"	A.B. @ 20" OC	маза @ 20° UC. МАЗА @ 16" ОС	2X 2X		
(13)-(13)	5/8"	A.B. @ 12" OC.	N/A	3X		
* FOR A.B. CONS - FOR EXTE DESIGN C - FOR INTEL - USE MIN. THE HOLE 3/16" LAR(STANDAR	THE PLATE WASHER IS CONTRUCTION: CRIOR NON-SHEAR ATEGORY E. SEE RIOR NON-SHEAR 3X3X0.229" SQUAR IN THE PLATE WA GER THAN THE BO D CUT WASHER IS THE TO THE TO THE	R WALL USE 1/2" A.B. @ 48" C SHEET SD-0 FOR SEIS. DESI WALL USE 0.145" DIA. SHOT RE PLATE WASHERS FOR AL ASHER IS PERMITTED TO BE DLT DIAMETER AND A SLOT L S PLACED BETWEEN THE PLA	D.C. MAX. (5/8" A.B. @ 48" O.C. GN CATEGORY TYPE) PINS @ 24" O.C. MIN. L ANCHOR BOLTS (REQ'D AT DIAGONALLY SLOTTED WITI ENGTH NOT TO EXCEED 1-3. ATE WASHER AND THE NUT.	MAX. AT SEISMIC SHEAR WALLS ONLY). + A WIDTH OF UP TO '4", PROVIDED A THE PLATE WASHER		
SHALL EX THAT THIS ONE OR B	I END TO WITHIN $\frac{1}{2}$ S MAY REQUIRE LA OTH SIDES.)	Y OF THE EDGE OF THE SILL ARGER SQUARE PLATE WAS	. PLATE ON THE SIDE(S) WITH SHERS AT 2X6 SILL PLATES W	H SHEATHING (NOTE /ITH SHEATHING ON		
** FOR ALTERNA - FOR EXTE	ATE SIMPSON MAS	SA CONSTRUCTION: R WALL USE MASA @ 48" O.C				
- FOR INTEI - FOR INTEI SD-1.	NOR NON-SHEAR RIOR SHEAR WALL	WALL USE U.145" DIA. SHOT L, MASA IS NOT ALLOWED. IN	NSTALL ANCHOR BOLTS PER	DETAILS ON SHEET		
- MASA LEG ONLY. MA - NOT MORI	SA MAY NOT BE INST SA MAY NOT BE IN E THAN 20% (1 IN S	ALLED DIRECTLY TO THE FR NSTALLED OVER STRUCTUR 5) OF MASA CONNECTORS S	AMING ON THE STRUCTURA AL SHEATHING. SHALL BE INSTALLED WITH O	L SHEATHING SIDE		
TO STUD / - PLACE MA NO CLOSE	AT SHEARWALL LO SA ANCHOR NOT ER THAN 1.1/2" FRO	DCATIONS. MORE THAN 1'-0" FROM ENE OM END OF PLATE.	O OF EACH SILL PLATE PER C	ODE AND MASA NAILS		
- MINIMUM - MASA INS CURRENT	CONCRETE END D TALLATION PROCE	DISTANCE FOR MASA IS 4". EDURES MUST BE IN ACCOF DG.	RDANCE WITH ICC-ES ESR-25	55 AND THE MOST		

Structural 45 W. Orangewood Ave., Suite 200 ange, CA 92868 (714) 978.9780 drawing and the design concepts are proprietary to Structural and the drawing or design concepts shall not used or reproduced in part or in whole without the ress permission in writing by VCA Structural JES & REVISIONS P.C.C. 1 11-06-2023 R.S.





RAWN BY	
	A.V./T.D.
HECKED BY	
	M.V.G./R.S.
ROJECT NO.	
	10-12072
SUE DATE	
	09/05/2023
LOT DATE	00/07/0004
	02/27/2024
HEET NO.	

S-2.1 240.2556



- NOTE: . DO NOT INSTALL PLUMBING IN PLYWOOD SHEAR WALLS.
- . ALL SHEAR WALL LENGTHS ARE MINIMUM. CHECK ARCHITECTURAL FLOOR PLANS FOR ACTUAL WALL LENGTHS.
- ALL SHEAR PANELS ARE TO RUN CONTINUOUS THROUGH PERPENDICULAR WALLS WHERE OCCURS.

SECOND FLOOR FRAMING PLAN - A SCALE: 1/4" = 1'-0"



	CONSTRUCTION KEY NOTES
1	INSTALL MSTA36 STRAP (U.N.O.) PER DETAIL 19/SD-3, 16/SD-4, OR 4/SD-5.
2	INSTALL MSTA36 STRAP (U.N.O.) AT PLATE BREAK (IF OCCURS).
3	POCKET BEAM IN WALL WITH 2-2X TRIM (U.N.O.) AND 2X K.S. EACH SIDE PER DET. 4/SD-4.
4	ALIGN POST W/ POST ABOVE OR BELOW, AND PROVIDE SOLID BLOCKING AT FLOOR.
5	ALIGN SHEARWALL WITH SHEARWALL ABOVE OR BELOW.
6	INSTALL PLUMBING IN NON-STRUCTURAL WALL.
7	FULL HEIGHT BALLOON FRAMED WALL WITH 2X6 (U.N.O.) STUDS @ 16" O.C. PER DET. 8/SD-4.
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9	INSTALL CS16 STRAP (U.N.O.) PER DET. 1/SD-5 @ THE ROOF & DET. 8/SD-5 @ THE FLOOR.
10	INSTALL 4-A35/LTP4 (U.N.O.) FROM D.T./JOIST/BEAM TO TOP PLATE.
11	STITCH NAIL SNUG, FULL-DEPTH 1.3/4" T.S. BLKG. AT BEARING LOCATION (MIN. 1'-0" LONG) TO WITH 28 (MIN.) 16d STAGG.

- 12 INSTALL 2-HTS20 STRAPS (U.N.O.) FROM BEAM/HEADER TO POST 13 A 10" SQ. HOLE MAY BE CUT IN SHEAR PANEL FOR VENT @ OPT. F.P. INSTALL 4X BLKG. W/ COIL STRAP @
- T&B OF OPENING, 2' PAST OPENING EA. SIDE (SIM. TO DET. 6/SD-4) 14 DO NOT INSTALL VENTS/UTILITIES IN SHEAR PANEL
- TRIM BM. TO MATCH ROOF SLOPE, MIN. 4" HEEL HEIGHT (U.N.O.)









DRAWN BY	
	A.V./T.D.
CHECKED BY	
	M.V.G./R.S.
PROJECT NO.	
	10-12072
ISSUE DATE	
	09/05/2023
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- 3. ALL SHEAR PANELS ARE TO RUN CONTINUOUS THROUGH PERPENDICULAR WALLS WHERE OCCURS.

ROOF FRAMING PLAN - A SCALE: 1/4" = 1'-0"



Plan-Approved

	CONSTRUCTION KEY NOTES
1	INSTALL MSTA36 STRAP (U.N.O.) PER DETAIL 19/SD-3, 16/SD-4, OR 4/SD-5.
2	INSTALL MSTA36 STRAP (U.N.O.) AT PLATE BREAK (IF OCCURS).
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15 TRIM BM. TO MATCH ROOF SLOPE, MIN. 4" HEEL HEIGHT (U.N.O.)

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CHECKED BY	
	M.V.G./R.S.
PROJECT NO.	
	10-12072
ISSUE DATE	
	09/05/2023
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PLANS APPROVED BY THE CITY OF SANTEE

BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject

to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

022 California Building Standard Codes

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



NOTE: 1. REFER TO SHEET S-2.1 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.

POST-TENSION PLAN - B SCALE: 1/4" = 1'-0"









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ROOF FRAMING PLAN - B SCALE: 1/4" = 1'-0"

NOTE: 1. REFER TO SHEET S-2.3 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.





SECOND FLOOR FRAMING PLAN - B SCALE: 1/4" = 1'-0"

NOTE: 1. REFER TO SHEET S-2.2 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.









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PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

2022 California Building Standard Codes



NOTE: 1. REFER TO SHEET S-2.1 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.









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POST-TENSION PLAN OPT. DEN WITH POWDER SCALE: 1/4" = 1'-0"

NOTE: 1. REFER TO SHEET S-2.1 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.

POST-TENSION PLAN OPT. QUAD DOORS SCALE: 1/4" = 1'-0"



Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



1. REFER TO SHEET S-2.2 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.

NOTE:









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SECOND FLOOR FRAMING PLAN OPT. DEN WITH POWDER SCALE: 1/4" = 1'-0"

NOTE: 1. REFER TO SHEET S-2.2 FOR ADDITIONAL STRUCTURAL INFORMATION NOT SHOWN HERE.

SECOND FLOOR FRAMING PLAN OPT. QUAD DOORS SCALE: 1/4" = 1'-0"

POST-TENSION:

- STRANDS SHALL CONFORM TO ASTM A-416, 0.5" DIAMETER, 7-WIRE STRAND WITH THE FOLLOWING PROPERTIES FOR LOW RELAXATION STRAND: fpu (SPECIFIED TENSILE STRENGTH): CROSS SECTIONAL AREA: MUTS (MINIMUM ULTIMATE TENSILE STRENGTH): JACKING FORCE (0.8 MUTS): MAX. ANCHOR FORCE (0.7 MUTS):
- 28.9 KIP TENDON ANCHORS SHALL BE AS MANUFACTURED BY PRECISION SURE-LOCK, INC. APPROVED BY ICC (ESR 2381) OR OTHER EQUAL.

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- SPECIAL INSPECTION IS REQUIRED FOR TENDON INSTALLATION, CONCRETE PLACEMENT AND STRESSING OF POST-TENSION TENDONS.
- THE FLOOR SLAB AND FOUNDATION SHALL BE POURED MONOLITHICALLY EXCEPT WHEN SHOWN OTHERWISE.
- NO PIPES OR CONDUITS SHALL EXTEND UNDER ISOLATED COLUMN FOOTINGS OR UNDER CONTINUOUS WALL FOOTINGS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE
- ARCHITECT AND STRUCTURAL ENGINEER AND THE BUILDING OFFICIAL. THE STRESSING OPERATION MUST BE UNDER THE DIRECT CONTROL OF A PERSON
- EXPERIENCED IN THIS TYPE OF WORK. THE STRESSING OPERATION SHALL NOT COMMENCE UNTIL CONCRETE TEST CYLINDERS, CURED UNDER JOBSITE CONDITIONS, HAVE BEEN TESTED AND INDICATE THAT THE CONCRETE HAS ATTAINED THE STRENGTH CALLED FOR ON THE STRUCTURAL DRAWINGS OR 2000 PSI (MIN)
- ALL PRE-STRESSING STEEL SHALL BE STRESSED BY THE MEANS OF CODE APPROVED HYDRAULIC JACKS, EQUIPPED WITH ACCURATE READING, CALIBRATED HYDRAULIC PRESSURE GAUGES. A CALIBRATION CHART SHALL ACCOMPANY EACH JACK.
- THE POST-TENSIONING OPERATION WILL BE SO CONDUCTED THAT ACCURATE ELONGATION OF THE PRE-STRESSING STEEL CAN BE RECORDED AND COMPARED WITH THE COMPUTATIONS SUBMITTED AND APPROVED BY THE STRUCTURAL ENGINEER.
- IF INCONSISTENCIES BETWEEN THE CALCULATED ELONGATION, THE MEASURED ELONGATION, AND THE JACK READING OCCUR, THE JACK-GAUGE-PUMP UNIT SHALL BE RE-CALIBRATED. AN AGREEMENT OF WITHIN 7% UNDER TO 7% OVER SHALL BE SATISFACTORY. PARTIAL STRESSING (OR EARLY STRESSING) OF TENDONS, WHEN REQUIRED AND NOTED ON
- PLAN, SHALL CONSIST OF INITIALLY STRESSING SUCH DESIGNATED TENDONS TO A FORCE OF +10 KIPS TWO DAYS AFTER CONCRETE PLACEMENT AND THEN FOLLOWING UP WITH FINAL STRESSING
- . THE REUSABLE PLASTIC GROMMET FORMS A HOLE 2" IN DIAMETER WHICH IS TO BE FILLED AND SEALED WATER TIGHT
- 3. USING A MECHANICAL SHEARING TOOL, CUT OFF EXCESS STRAND 1/2" TO 3/4" BACK IN HOLE. AFTER TENDONS HAVE BEEN OUT OFF. THE CONCRETE CONTRACTOR SHALL DRY PACK THE BLOCKOUTS WITHIN 10 DAYS, A NON-METALLIC EPOXY MIX SHALL BE USED FOR THIS PURPOSE. AN ALTERNATE STIFF MIXTURE OF TWO PARTS CEMENT TO ONE PART SAND IS
- ACCEPTABLE. . SLAB TENDONS SHOULD BE STRESSED WITHIN 72 HOURS AFTER THE CONCRETE IS PLACED TO MINIMIZE EARLY AGE CONCRETE CRACKING. THIS MAY NOT APPLY IN COLD WEATHER WHERE THE CONCRETE DOES NOT REACH THE SPECIFIED STRENGTH WITHIN 72 HOURS. IF THE SPECIFIED CONCRETE STRENGTH IS GREATER THAN 4,000 PSI. FORMWORK REMOVAL MAY NOT COINCIDE WITH THE COMPLETION OF STRESSING.

PTI DESIGN PARAMETERS					
	CENTER LIFT	EDGE LIFT	BEARING PRESSURE		
Em	7.0'	3.5'			
Ym	1.2"	1.5"	1,500 PSF		

SOILS AND FOUNDATION.

	JILS AND FOUNDATION.	$\underline{\circ}$	_
1.	THE FOUNDATION DESIGN IS BASED UPON THE SOILS REPORT BY: SA GEOTECHNICAL, INC., PROJECT # 22101-01, DATED: SEPTEMBER 1, 2022, SA GEOTECHNICAL, INC., PROJECT # 22101-02, DATED: AUGUST 10, 2023. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIREMENTS THEREIN AND MAINTAIN A COPY ON THE JOB SITE AT ALL TIMES.	1. 2.	Ē
2.	THE ENGINEER OF RECORD MUST BE INFORMED OF ANY CHANGES IN DESIGN CRITERIA MADE BY THE SOILS ENGINEER IN THE COURSE OF CONSTRUCTION.	3.	I
3.	ALL FOOTINGS AND SLABS SHALL BE FOUNDED ON FIRM UNDISTURBED NATURAL SOILS OR COMPACTED FILL (SPECIFIED BY SOILS ENGINEER).	4	1
4.	ALL COMPACTED FILL SHALL BE PLACED IN AN APPROVED MANNER WITH A MINIMUM DENSITY OF 90% OF THE MAXIMUM OBTAINABLE IN ACCORDANCE WITH ASTM D 1557.		-
5.	THE SOILS ENGINEER SHALL INSPECT AND APPROVE ALL FOUNDATION TRENCH PRIOR TO PLACING REINFORCING AND/OR CONCRETE.	5.	1
6.	ALL RETAINING WALLS SHALL BE PROVIDED WITH STANDARD SURFACE BACKDRAIN SYSTEM AND ALL DRAINAGE SHALL BE CONDUCTED TO THE STREET IN AN ACCEPTABLE MANNER AND IN A NON-EROSIVE DEVICE. DESIGNED BY OTHERS.		
7.	THE CONTRACTOR SHALL NOTIFY INSPECTOR PRIOR TO STARTING EXCAVATIONS OR ANY GRADING WORK.	6	,
8.	EXTEND ALL EXCAVATIONS FOR FOOTINGS BELOW NATURAL GRADE AS SHOWN ON STRUCTURAL DRAWING.	0. 7.	
9.	ALL EXCAVATIONS FOR FOOTINGS MUST BE INSPECTED AND APPROVED BY INSPECTOR PRIOR TO POURING OF CONCRETE.	8.	-
10.	AN APPROVED WATER AND VAPOR BARRIER MUST BE INSTALLED UNDER THE CONCRETE FOUNDATION SYSTEM SO THAT WATER AND VAPOR CANNOT ENTER INTO THE STRUCTURE. REFER TO ARCHITECT'S OR OWNER'S DOCUMENT AND SOILS ENGINEER'S RECOMMENDATIONS FOR DETAILED REQUIREMENTS.	9.	,
11		10.	I
п.	ALLUWADLE JUIL DEARING PREJJURE (PER JUILJ REPURT): 1000 PSP		

CONCRETE:

CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150 - TYPE II (USE CEMENT TYPE, APPROPRIATE WATER TO CEMENT RATIO AND STRENGTH PER SECTION 19.3.2 OF THE ACI FOR SOILS WITH MODERATE, SEVERE OR VERY SEVERE SULFATE EXPOSURE). REINFORCEMENT IN CONCRETE SHALL BE PROTECTED FROM CORROSION AND EXPOSURE TO

CHLORIDES IN ACCORDANCE WITH SECTION 19.3.2 OF THE ACI. CONSULT SOILS AND/OR

CORROSION ENGINEER AS NEEDED AND NOTIFY EOR PRIOR TO CONSTRUCTION. DESIGN MINIMUM 28-DAY UI TIMATE COMPRESSIVE STRENGTH: 2 500 PSI MINIMUM CONCRETE STRENGTH TO CONFORM TO ACI TABLE 19.3.2.1. MAXIMUM WATER CONTENT 14. WHE TO BE 37 GALLONS/CUBIC YARD. USE WATER TO CEMENT RATIO OF 0.45 IF THE CONCRETE SLAB IS PLACED IN DIRECT CONTACT WITH THE VAPOR BARRIER, U.N.O.

ASTM C-330

AGGREGATES: LIGHTWEIGHT

- HARDROCK ASTM C-33 4. CONCRETE COVERAGE OF REINFORCING STEEL: A. UNIFORMED SURFACES CAST DIRECTLY AGAINST EARTH
- SLABS-ON-FARTH AT C.L. OF SLAB ALL OTHER CONCRETE 3 INCHES
- B. FORMED AND/OR FINISHED SURFACES EXPOSED TO EARTH OR WEATHER #5 BAR AND SMALLER 1.1/2 INCHES #6 BAR AND LARGER 2 INCHES
- FORMS AND SHORING SHALL REMAIN UNDISTURBED AS FOLLOWS: VERTICAL SURFACES: 24 HOURS FOOTINGS: 24 HOURS
- STRUCTURAL SLAB: 10 DAYS WALLS: 7 DAYS
- ALL REINFORCING STEEL, DOWEL, EMBEDDED HARDWARE, HOLDOWN BOLTS, STRAPS, AND POST BASES MUST BE WELL SECURED IN PROPER LOCATIONS PRIOR TO PLACING CONCRETE. CAM
- ANCHOR BOLTS FOR STUD WALL SILL PLATE MAY BE INSERTED DURING FIRST FOUNDATION CONCRETE POUR.
- ADHESIVE ANCHORS SHALL NOT BE INSTALLED IN CONCRETE UNTIL 21 DAYS AFTER CONCRETE PLACEMENT. (ACI 17.1.2)

REINFORCING STEE

1.	ALL REINFORCING STEEL • #3 • #4 AND LARGER	ASTM A-615, GRADE 40 ASTM A-615, GRADE 60
2.	WELDER WIRE FABRIC	ASTM A-185
_		

- REINFORCING MARKED CONT. (CONTINUOUS) MAY BE SPLICED WITH LAPS AS SPECIFIED IN THI CODE, UNLESS OTHERWISE SPECIFIED.
 - Santee PLANS APPROVED BY THE CITY OF SANTE BUILDING INSPECTION DIVISION SUBJECTION TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any Cit County, State, Federal Laws or other restrictions. 22 California Building Standard Cod Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV

Plan-Approved

STRUCTURAL STEEL	AND METAL:	WOOD:		HARDWAR	E AND WO		DNNECTORS:
1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS AND THE CODE OF STANDARD PRACTICE. LICENSED FABRICATORS SHALL BE APPROVED BY THE JURISDICTION.		 ALL LUMBER USED FOR STRUCTURAL PURPOSES SHALL BE DOUGLAS FIR/LARCH, COAST REGION, GRADED IN ACCORDANCE WITH THE WEST COAST LUMBER INSPECTION BUREAU. ALL LUMBER SHALL BE LESS THAN 19% MOISTURE CONTENT FOR ALL CONSTRUCTION. CONTRACTOR SHALL 		 ALL WOOD FRAMING CONNECTORS SHALL BE SIMPSON "STRONG-TIE". INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH SIMPSON'S PRODUCT AND INSTRUCTION MANUAL/CATALOG C-C-2024. 			
2. ALL STEEL EXCEPT PIPE & TUBE & W	ASTM A-36	MANAGE MOISTURE CON HEM-FIR OR SPRUCE PIN	ITENT TO ENSURE COMPATIBILITY. (EXCEPTION: ROOF TRUSSES MAY BE IE FIR)	A. THE FOLLOW MANUAL:	ING ARE SPECIFIC REQU	JIREMENTS	AND/OR CLARIFICATIONS TO THE SIMPSON
3. PIPETUBE	ASTM A-53, TYPE E OR S, GRADE B ASTM A-500. GRADE B	2. THE MINIMUM GRADES S A. HORIZONTAL FRAM	HALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON PLANS:	 PA/HPA: ST/MST[·] 	FASTENER FASTENER	16d 16d	COMMON COMMON
• W	GRADE 50 A992	 2X 4X12 OR SMALLER 4X14 OB LARCER 	D.F. #2 D.F. #2	 CMST: PB/BC: PC7: 	FASTENER FASTENER FASTENER	16d 16d 10d	COMMON COMMON
e HIGH-STRENGTH BOLTS	ASTM A-325	 4X14 OR LARGER 6X 8X 	D.F. #1 D.F. #1 D.F. #1	 PCZ: CS: MSTA/MSTC: 	FASTENER FASTENER FASTENER	10d 8d 16d	COMMON COMMON SINKER
ALL OTHER BOLTSLAG BOLTS	ASTM A-307 ANSI / ASME Fyb 45 KSI	 B. VERTICAL FRAMING 2X4 	G MEMBERS (STUDS AND POSTS) STANDARD OR STUD GRADE	STHD: CBSQ	FASTENER FASTENER	16d SDS	SINKER <u>1</u> "X2" 1"×20 1"
5. BOLT HOLES		 2X6 & 3X4 4X12 OR SMALLER 	D.F. #2 D.F. #2	 CCQ/HHDQ/H CB/CC: HTT4/HTT5: 	DU FASTENER FASTENER FASTENER	SDS 10d	‡"X2.∌" MACHINE BOLT COMMON
 MINIMUM EDGE DISTANCE MINIMUM SPACING HIGH STRENGTH BOLTS 	AISC TABLE 33.5 3 BOLT DIAMETER FRICTION TYPE W/ CLASS A FAYING	 4X14 OR LARGER 6X6 OR LARGER 	D.F. #1 D.F. #1	MASA:A35/LTP4	FASTENER FASTENER	10d 8d	0.148"X1.½" 0.131"X1.½" (2.½" IF O/SHTG)
6. MINIMUM FILLET WELD	SURFACE AISC TABLE J2.4	C. MISCELLANEOUS 2X & 3X SILL PLATE 2X TOP PLATE/SOL	E P.T. D.F. STANDARD GRADE	• H1A	FASTENER	8d	0.131"X1. ¹ / ₂ " TO TRUSS 0.131"X1. ¹ / ₂ " TO PLATES
 ALL FIELD WELDING SHALL BE CONTINUC WELDING FIELD WELDERG AND THE ADDRESS 		SHEAR BLOCKING	D.F. STANDARD GRADE	• LS50	FASTENER	10d	0.148 X1. <u>2</u> " 0.148"X1. <u>2</u> "
8. ALL SHOP WELDING SHALL BE PERFORM	ED BY A LICENSED FABRICATOR'S SHOP APPROVED BY	 BLOCKING & BRIDG 	SING UTILITY	2. MINIMUM NAILING		IBERS SHAL	LL BE AS SPECIFIED IN CBC TABLE 2304.10.2
THE JURISDICTION.	STEEL STRUCTURES PAINTING COUNCIL	NOTE: ALL BLOCKING S OTHER FRAMING MEMB	HALL BE CUT TO FIT FLUSH AGAINST SHEATHING AND BERS.	INCHES ON-CENTE	R MAXIMUM UNLESS NO		WISE ON SHEAR WALL SCHEDULE.
	SPECIFICATION 15-687	3. ALL SILL PLATES BEARIN SHALL BE PRESSURE TR	IG ON MASONRY OR CONCRETE FOUNDATION WALL OR SLAB ON GRADE EATED IN ACCORDANCE WITH CBC 2304.12. SILL PLATES SHALL BE	4. USE SIMPSON FULI BEAM-TO-BEAM CC TO BEAM U.N.O.	DEPTH HU-HANGER (M. NNECTIONS, U.N.O. USE	AX - FILL ALL FULL DEPT	L HOLES INCLUDING TRIANGLE HOLES) FOR H SIMPSON U-HANGER AT 2X FLOOR JOIST
10. EXPOSED STEEL 11. EXPANSION BOLTS (RED HEAD)	GALVANIZED	FOUNDATION WITH 1/2" D ANCHORS AT 4'-0" O.C. M	J WITH SODIUM BORATE (SBX/DOT). SILL PLATES SHALL BE BOLTED TO TH DIAMETER (5/8" @ SIESMIC DESIGN CATEGORY E) BOLTS OR APPROVED IAXIMUM U.N.O. ON S.W. SCHED. EMBEDDED 7 INCH MINIMUM IN	1E 5. SOLE PLATE NAILIN SINKER OR COMM	IG FROM WALL SOLE PL	ATE TO JOIS	T OR BLOCKING BELOW SHALL BE 16d
	RECOMMENDATION #ESR-2251	CONCRETE. ALL BOLTS S PLATE WASHER REQUIRE	SHALL HAVE PROPERLY SIZED NUT AND WASHER (MIN. 0.229"X3"X3" STEEL ED AT SHEAR WALL LOCATIONS). THE PLATE WASHER SHALL EXTEND TO DE THE SILL PLATE ON THE SIDE (2) WITH SHEATHING, MINIMUM 2 POLTS (- WALL SCHEDULE.			
12. POWDER ACTIVATED FASTENERS	0.145 DIAM. X 3 INCHES LONG PER ICC ESR-1663 (HILTI), OR APPROVED EQ.	ANCHOR STRAPS PER PI MORE THAN 12" OR LESS	ECE OF SILL PLATE WITH ONE BOLT OR ANCHOR STRAP LOCATED NOT THAN 4" FROM EACH END OF EACH PIECE.	BOLTS.	JE DISTANCE AND 5" ENI	J AND CORN	NER DISTANCE FOR ALL SSTB ANCHOR
	ALL WALLS SHALL HAVE FASTENERS PLACED AT 6" FROM ENDS OF SILL PLATES. INSTALL PER ICC REPORT	4. WALL FRAMING TO BE 2X INCHES O.C. AT INTERIOF	K STUDS AT 16 INCHES O.C. ON EXTERIOR WALLS AND 2X STUDS AT 16 R WALLS, U.N.O. PROVIDE DOUBLE TOP PLATE ON ALL WALLS WITH	7. ALL HOLES DRILLE MAXIMUM OF 1/16"	D FOR HOLD DOWN CON OVERSIZED. APPROVED	NECTOR BC PLATE WAS	OLTS SHALL BE A MINIMUM OF 1/32" AND A SHERS ARE REQUIRED FOR ALL HOLD DOWN
	AND MANUFACTURER'S RECOMMENDATIONS.	MINIMUM 48 INCH LAP SP STUD HEIGHT FOR 2X4 E	PLICE, U.N.O. UNLESS SPECIFICALLY NOTED ON PLANS, THE MAXIMUM XTERIOR WALL IS 10 FEET, FOR 2X4 INTERIOR WALL IS 14 FEET. MAXIMUM	1 8. ALL HOLD DOWN A	NCHOR NUTS SHALL BE	TIGHTENED	JUST PRIOR TO COVERING WALL FRAMING.
13. LIGHT GAGE COLD FORMED STEEL MEMB	ERS SHALL CONFORM TO ASTM- A-441, U.N.O.	5. PROVIDE 0.058" X 1-1/2" V	GHT FOR 2X6 STUDS IS 20 FEET, U.N.O. WIDE STEEL TIE STRAPS WITH 6-16d NAILS AT EACH SIDE WHERE PLATES	 (LEAVE ENOUGH SPACE BETWEEN THE SILL AND THE HD TO ALLOW FOR SOME SLIP AT POST CONNECTION WHEN TIGHTENING.) 9. FOR LAG BOLTS: PROVIDE LEAD HOLES 40% TO 70% OF SHANK DIA. AND FULL DIA, FOR SHANK PORTION. SOAP, PARAFFIN, OR OTHER APPROVED LUBRICANT SHALL BE USED ON THREADS. 			
14. WHERE HIGH-STRENGTH (H.S.) BOLTS AR TYPE CONFORMING TO ASTM A325 (SC) W PAINT, OIL, LACQUER OR GALVANIZING O	E SPECIFIED ON THE PLANS, THEY SHALL BE FRICTION /ITH A CLASS A FAYING SURFACE. THERE SHALL BE NO N THE CONTACT SURFACES.	ARE INTERRUPTED BY U SHEAR WALL, NOTIFY TH	TILITY PENETRATIONS @ NON-SHEAR WALLS. IF PENETRATIONS OCCUR (IE ENGINEER PRIOR TO STARTING WORK.				
15. ALL GROUT UNDER STEEL BEARING PLAT	ES SHALL BE SOLID DRYPACK OR NON-SHRINK GROUT.	6. PROVIDE SINGLE JOISTS MINIMUM 2 FLOOR JOISTS	UNDER NON-BEARING PARTITION PARALLEL TO JOISTS. PROVIDE S BELOW BEARING WALLS UNLESS NOTED OTHERWISE ON PLANS.	INSTALLATION SHALL BE BY SCREWING, NO HAMMERING. CARE SHALL BE TAKEN TO AVOID OVER-TORQUING OF THE BOLT.			
TC = 4,000 PSI.		7. ROOF SHEATHING SHALL	BE INSPECTED PRIOR TO PLACING INSULATION AND ROOFING.	10. ALL MULTI-STUDS	ARE TO BE LAMINATED V		8" O.C., U.N.O. ON PLANS.
		8. ALL STRUCTURAL SHEAT ENGINEERED WOOD ASS	THING SHALL BE IDENTIFIED WITH THE GRADE TRADE MARK OF APA - THE SOCIATION. THE SHEATHING SHALL MEET THE REQUIREMENTS OF	11. ALL BALLOON FRAI	LING WHERE NECESSAF		ONFORM TO CBC TABLE 2308.5.1.
<u>GLUED LAMINATED L</u>	UMBER:	PRODUCT STANDARD PS STRENGTH AXIS OR FACI CONTINUOUS OVER TWO	5 1-19 AND PS 2-18 OR APA PRP-210. INSTALL SHEATHING PANEL WITH E GRAIN PERPENDICULAR TO FRAMING SUPPORTS AND WITH PANEL O OR MORE SPANS. PANELS WITH DIMENSION LESS THAN 24 INCHES IN AN	13. ONLY COMMON NA	ILS SHALL BE USED FOR DR "SINKER" NALLS ADE 1		SHEAR WALL PANELS. NAIL GUNS USING TABLE.
1. STRUCTURAL GLUED LAMINATED LUMBER ACCORDANCE WITH AITC 117 AND PRODU	RS SHALL BE FABRICATED BY A LICENSED FABRICATOR IN JCT STANDARD PS56 SPECIFICATIONS.	DIRECTION SHALL NOT B MEMBERS. PANELS INST	E USED UNLESS ALL EDGES ARE BLOCKED WITH MIN. 2X FRAMING ALLED AT LOCATIONS PERMANENTLY EXPOSED TO WEATHER SHALL BE	14. PROVIDE MINIMUM	OF 1/2" EDGE DISTANCE	FOR ALL PL	YWOOD BOUNDARY NAILING IN SHEAR
2. INDIVIDUAL LAMINATIONS SHALL NOT EXC	CEED 2 INCHES IN NET THICKNESS.	GRADED WITH EXTERIOR	R EXPOSURE.	WALLS, ALL PLYWO PLYWOOD NAILING SPECIFIED ON SHE	OD EDGES SHALL BE BL MUST NOT BE LESS THA	OCKED. MIN	N. WIDTH OF BLOCKING TO RECEIVE CKNESS OF BOUNDARY MEMBER AS
3. MOISTURE CONTENT SHALL BE FROM 7%	TO 12%.	 THICKNESS: EXPOSURE: 	15/32" RATED SHEATHING (MIN.) EXPOSURE 1	15. OMIT SHEATHING E	AR WALL SCHEDULE. B.N. UNDER CMST, MSTC	, or hold-d	DOWN STRAP. INSTALL STRAPS OVER
4. ALL GLU-LAMS SHALL BE DELIVERED TO SHALL BE PROVIDED TO THE BLDG. INSPE	ECTOR PRIOR TO INSTALLATION.	PANEL INDEX:NAILING:	24/0 8d COMMON @ 6" O.C. AT SUPPORTED EDGES 8d COMMON @ 12" O.C. AT INTERMEDIATE SUPPORTS		SO MAY BE USED IN PLA		
 PROVIDE TENSION LAMINATION AT BOTTO COLUMNS, UNLESS NOTED OTHERWISE. 	DM OF BEAMS AND AT TOP OF CONTINUOUS BEAMS OVER	BLOCKING:	UNBLOCKED	17. HOLD DOWN ANCH	ORS SHALL BE TIED IN P		R TO FOUNDATION INSPECTION.
6. CAMBER - STANDARD, UNLESS NOTED ON	I PLANS.	 FLOOR SHEATHING THICKNESS: 	5: T&G, 23/32", RATED STURD-I-FLOOR (T&G, 19/32" MAY BE USED OVER FRAMING WITH JOISTS SPACED				
 LAMINATED BEAMS SHALL SHALL BE APA- STRESS VALUES THAT MEET OR EXCEED COMBINATION 	EWS, DOUGLAS FIR/LARCH GLULAMS AND PROVIDE THE REQUIREMENTS FOR EWS 24F-V4 DF/DF	EXPOSURE: DANEL INDEX:	NOT MORE THAN 16" O.C.) EXPOSURE 1 48/24				
FLEXURAL STRESS	Fb = 2400 PSI	PANEL INDEX.NAILING:	10d COMMON @ 6" O.C. AT SUPPORTED EDGES 10d COMMON @ 12" O.C. AT INTERMEDIATE SUPPORTS				
TENSION PARALLEL TO GRAIN	Ft = 1100 PSI	BLOCKING:NOTE:	UNBLOCKED SIMPSON QUIKDRIVE WSNTL SERIES WOOD SCREWS (ICC-ES REPORT ESR-1472) MAY REPLACE 10d COMMONS AT FOUAI	NAIL DEFIN	NITIONS:		
COMPRESSION PARALLEL TO GRAIN HORIZONTAL SUICAR DEPENDICUL	N Fc = 1650 PSI		SPACING W/ MIN. 1.1/4" SCREW PENETRATION INTO FRAMING.	DESIGNATION	DIAMETER	LENG	ТН
HORIZONTAL SHEAR PERPENDICUL MODULUS OF ELASTICITY	E = 1800 KSI	C. EXTERIOR DECK SFTHICKNESS:	HEATHING: T&G, 23/32" MIN. (1-1/8" MAX.), RATED CD EXTERIOR	16d COMMON 16d SINKER	0.162 0.148	3.1/2" 3.1/4"	
COMPRESSION PERPENDICULAR TO) GRAIN	EXPOSURE:PANEL INDEX:	EXTERIOR EXPOSURE 48/24	16d SHORT 10d COMMON 8d COMMON	0.131 0.148 0.131	3.1/4" 3" 2 1/2"	
TENSION FACE	Fc = 650 PSI	NAILING:BLOCKING:	10d COMMON @ 6" O.C. AT SUPPORTED EDGES 10d COMMON @ 12" O.C. AT INTERMEDIATE SUPPORTS UNBLOCKED		0.131	2.1/2	
COMPRESSION FACE	Fc = 650 PSI	D. SHEAR PANEL:		MASONRY			
PRIOR TO CONSTRUCTION. HANDLING AN	D STORAGE OF GLB'S TO CONFORM TO AITC 111-79.	 THICKNESS: EXPOSURE: PANEL INDEX: 	PER SHEAR WALL SCHEDULE EXPOSURE 1 24/0	1. ALL MASONRY SH	L ALL CONFORM TO ACI 53	0.1-13.	
9. ALL GLB EXPOSED TO WEATHER OR MOIS	STURE SHALL BE FACTORY PRESSURE TREATED.	NAILING: PER SHEAR WALL SCHEDULE BLOCKING: BLOCKED		2. ALL BLOCKS SHALL CONFORM TO ASTM C90, LATEST EDITION. MASONRY UNITS SHALL HAVE			
		9. FLOOR JOISTS ARE NOT NOTIFIED IF WATER BEDS	DESIGNED TO SUPPORT WATER BEDS OR POOL TABLES. EOR TO BE S OR POOL TABLES ARE TO BE USED.	PROVIDE ALL BONI	D BEAM UNITS, LINTELS,	ETC., AS RE	QUIRED.
PREFABRICATED RO	OF TRUSSES:	10. STRUCTURAL MEMBERS	SHALL NOT BE CUT OR NOTCHED UNLESS SPECIFICALLY DETAILED BY TH	STRENGTH (f E 2 DO NOT USE CHIPE	m) SHALL BE 1,500 PSI M	IINIMUM. (S. IF ANY SI	LICH BLOCKS ARE DISCOVERED IN ANY
1. SEE FRAMING PLANS FOR FRAMING DIRE	CTIONS AND BEARING LOCATIONS.	11. ALL BEAMS TO BE SUPPORTED WITH FULL BEARING MULTI-STUD OR POST, U.N.O.		FINISHING WALL, T APPROVAL OF THE	 DO NOT USE CHIPPED OR CRACKED BLOCKS. IF ANY SUCH BLOCKS ARE DISCOVERED IN ANY FINISHING WALL, THEY SHALL BE PROMPTLY REMOVED AND REPLACED WITH NEW BLOCKS TO T APPROVAL OF THE ENGINEER. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE 1 OR TYPE II, AND SHALL BE ENTIRELY OF ONE MANUFACTURER. 		
2. TRUSS SHOP DWGS. MUST BE DESIGNED LAYOUTS AND CALCULATIONS TO BE SEA	TO WORK AS SYSTEM. DESIGN TO BE PERFORMED AND LED BY A REGISTERED ENGINEER LICENSED IN THE	12. FRAMING FOR PREFABRI USING 2x4 STUDS AT 16"	 FRAMING FOR PREFABRICATED FIREPLACE FLUES SHALL BE BALLOON FRAMED FULL HEIGHT USING 2x4 STUDS AT 16" O.C. BRACED AT MID-HEIGHT AND AT THE PLATE HEIGHTS. MAXIMUM 				
APPLICABLE STATE. PER CBC 2303.4.1.4.1 3. EACH PREFABRICATED TRUSS SHALL BE	& 2303.4.2. LEGIBLY BRANDED. MARKED OR OTHERWISE HAVE	UNBRACED LENGTH IS 14	4'. TIDS OR POSTS FROM FLOOR ABOVE DOWN TO FLOOR OR BEAM BELOW.	4. WATER USED FOR MORTAR AND GROUT SHALL BE CLEAN AND FREE FROM DELETERIOUS			
PERMANENTLY AFFIXED THERETO THE FO CENTER OF SPAN ON THE FACE OF THE E	DLLOWING INFORMATION LOCATED WITHIN 2 FEET OF THE BOTTOM CHORD:	 CARRY ALL MULTIPLE STUDS OR POSTS FROM FLOOR ABOVE DOWN TO FLOOR OR BEAM BELOW. PROVIDE 4X SOLID BLOCKING AT FLOOR LEVEL TO TRANSFER LOAD FROM UPPER POST TO LOWER POST. 		AMOUNTS OF ACIDS, SALTS, ALKALI, AND ORGANIC MATERIALS. 3. SAND FOR MORTAR SHALL CONFORM TO ASTM C144 EXCEPT THAT NOT LESS THAN 3 % OF THE			
A. IDENTITY OF THE COMPANY MANUF	ACTURING THE TRUSS.	14. NO UTILITY LINE PENETR	RATION @ SHEAR WALL IS ALLOWED, U.N.O.	SAND SHALL PASS TO ASTM C404, TAE SPECIFICALLY APP	THE NUMBER 100 SIEVE BLE 1, COARSE AGGREG ROVED BY THE ENGINEE	. SAND AND ATE, EXCEP	PEA GRAVEL FOR GROUT SHALL CONFORM T WHEN OTHER GRADINGS ARE
B. THE DESIGN LOAD.		15. SEE DETAIL 15/SD-4 FOR BREAKS.	TYP. TOP PLATE SPLICE - U.N.O. USE MSTC28 AT ALL 2X4 TO 2X6 PLATE	6. LIME SHALL BE TYP	PESPERACI 530.1-13		
4. APPROVED CONNECTOR PLATES SHALL E	BE AT LEAST 20 GAUGE GALVANIZED STEEL PER ASTM	16. INTERIOR NON-BEARING HEADERS MAY BE 2X4 FLAT. INSTALL 4X4 AT 6' AND 8' CLOSET DOORS.		7. MORTAR SHALL BE TYPE S UNLESS OTHERWISE NOTED. AND CONFORM TO ASTM C 270.			
A-446. ALL CONNECTORS AND SPIKE-GRI	D PLATES SHALL HAVE A CURRENT ICC OR ESR NUMBER.	17. PRESERVATIVE TREATED WOOD CANNOT BE ENCLOSED OR COVERED IF OVER 19% MOISTURE CONTENT. CONTRACTOR TO ENSURE PROPER MOISTURE CONTENT.		 GROUT FOR PUMPING SHALL BE FLUID CONSISTENCY AND SHALL BE PROPORTIONED AS NECESSARY TO ACHIEVE THE SPECIFIED STRENGTH fm. THE MIX SHALL BE REVIEWED BY THE ENCINEER FLUID CONSISTENCY SHALL MEAN & CONSISTENCY AS FLUID AS POSSIBLE FOR 			
SUPPLIER'S ENGINEER.		18. NAILS SHALL BE DRIVEN	FLUSH TO SHEATHING AND NOT OVERDRIVEN.	POURING WITHOUT 476.	SEGREGATION OF THE	CONSTITUE	ENT PARTS. GROUT TO CONFORM TO ASTM
6. ROOF TRUSSES SHALL BE DESIGNED FOF	R THE FOLLOWING LOADS:	19. ALL FASTENERS IN CONT GALVANIZED WITH COAT FASTENERS IN SEV/DOT	TACT WITH PRESERVATIVE OR FIRE-TREATED WOOD SHALL BE HOT-DIPPE ING WEIGHT PER ASTM A 153. (EXCEPTION: PLAIN CARBON STEEL & ZINC BORATE PRESERVATIVE-TREATED WOOD IN AN INTEDIOR DRY	ED 9. THE USE OF ADMIX SUBSTANTIATING	TURES SHALL NOT BE P		N MORTAR OR GROUT UNLESS
LL = 20 PSF AT TOP CHORD, 10 PSF	AT BOTTOM CHORD (NON-CONCURRENT WITH TOP	ENVIRONMENT SHALL BE	EPERMITTED.)	ADMIXTURES IN MOUSE OF UNCONTRO	DRTAR SHALL NOT BE PE DLLED FIRE CLAY, DIRT, 1	RMITTED W	/ITHOUT REDUCING THE LIME CONTENT. THE DELETERIOUS MATERIALS IS PROHIBITED.
CHORD LL)	NSIDER ANY MECH. EQUIPMENT OR FIRE	20. WOOD FRAMING MEMBEI EARTH SHALL BE NATUR	RS (INCLUDING WOOD SHEATHING) LESS THAN 8 INCHES FROM EXPOSED ALLY DURABLE OR PRESERVATIVE-TREATED WOOD.	10. RETEMPER MORTA	R ONLY BY ADDING WAT	ER INTO A E	BATCH MADE WITH THE MORTAR AND THEN
SPRINKLER LOADS.		21. AT CONDITIONS WHERE INSTALL THE SHEATHING	THE SHEAR PANEL IS SCHEDULED WITHIN 12" OF ROUGH OPENINGS, S PANELS AROUND THE ENTIRE OPENING AND THEN CUT THE PANELS	WATER OVER THE WITHIN ONE HOUR	MORTAR SHALL NOT BE AFTER INITIAL MIXING S	PERMITTED	MOVED FROM THE WORK.
7. TRUSS CALCULATIONS AND PLANS SHALL LOADS (CHORD/STRUT AND BRACE LOAD FOR AXIAL + FLEXURE BETWEEN PANEL J	S); ALSO INCLUDE REVIEW OF ROOF, MECHANICAL, AND LATERAL S); ALSO INCLUDE REVIEW OF TOP AND BOTTOM CHORD OINTS. VERIFY EQ. PAD LOADS AND ANY CONCENTRATED	FLUSH WITH THE FRAMIN	NG PER QUALITY BUILT RECOMMENDATION.	11. WHEN GROUTING I CONSTRUCTION JC	S STOPPED FOR A PERIO	DD OF ONE I GROUT POL	HOUR OR LONGER, FORM HORIZONTAL UR 1-1/2 INCHES MINIMUM BELOW THE
LOADS FROM PURLIN/ KICKERS AT CONVI	ENTIONAL ROOF.						
DESIGNED FOR DEAD & LIVE LOAD PER C FOOTNOTES.	BC TABLE 1607.1, INCLUDING ALL APPLICABLE			HIGH-LIFT PROCED	URES ARE USED.		UNLESS PROPER
9. PROVIDE 2X4 LADDER BLOCKING AT 24" C	D.C. WHERE SPREAD TRUSSES OCCUR. (4' MAX.)	PREFABRICA	TED FLOOR FRAMING MEMBERS:	13. ALL VERTICAL WAL FOOTING UNLESS I	L REINFORCEMENT SHA NOTED OTHERWISE ON ⁻	LL HAVE DO THESE PLAN	WELS EQUAL IN SIZE EMBEDDED INTO IS.
10. PROVIDE 2X BLOCKING WITH BOUNDARY		1. (TJI, MICRO-LAM, PARALA MEMBERS ARE MANUFAC	AM, TIMBERSTRAND) PREFABRICATED FLOOR FRAMING STRUCTURAL CTURED BY WEYERHAUSER HR CORPORATION. THESE PRODUCTS ARE	14. PROVIDE MINIMUM	2-#5 BARS AT ALL CORN	ERS, JOINTS	S, JAMBS AND INTERSECTIONS U.N.O.
11. ALL END TRUSSES SHALL BE DESIGNED F TOP CHORD. ALSO, END TRUSSES SHALL LOADS APPLIED OUT-OF-PLANE.	OK A 180 PLF LUAD, U.N.O ON PLANS, APPLIED TO THE . HAVE WEBS CAPABLE OF WITHSTANDING 25 PSF WIND	APPROVED BY ICC (ESR 2. FLOOR JOIST (T.II) - SEF	1153 & ESR 1387). FRAMING LEGEND FOR JOIST DEPTH. SERIES AND SPACING	15. MASONRY VENEER SHALL BE PER CHAPTER 14 OF THE CBC. SEE ARCHITECTURAL PLANS.			: CBC. SEE ARCHITECTURAL PLANS. S. PROVIDE 1/2" MIN. GROUT BETWEEN
		3. MICROLLAM LVL:	1.9 E WS SERIES	REINFORCING BAR	S AND MASONRY.		
		 MODULUS C FLEXURAL S HORIZONTA 	DF ELASTICITY: E = 1900 KSI STRESS: Fb = 2600 PSI AL SHEAR: Fv = 285 PSI	17. ALL EMBEDDED ITE FUNCTION. NO PIP SHOWN BY ENGINE	EMS SHALL BE WITHIN AC ES OR DUCTS SHALL BE ER.	PLACED IN	KANCES AND SUITABLE FOR THE PROPOSEI MASONRY WALLS UNLESS SPECIFICALLY
		4. PARALLAM PSL:		18. REINFORCING SHA	LL BE HELD SECURELY I	N PLACE PR	RIOR TO GROUTING.
		FLEXURAL S HORIZONTA	STRESS: Fb = 2000 PSI AL SHEAR: Fv = 290 PSI	19. LAP SPLICES IN MA	SONRY REINFORCING S	HALL BE 48	BAR DIAMETERS. U.N.O.
		5. TIMBERSTRAND LSL:	1.55 E WS SERIES DF ELASTICITY: F = 1550 KSI	20. ALL MASONRY UNI COLUMNS, PIERS, A	TS SHALL BE LAID IN RUI AND ARCHES SHALL BE I IG AND BOND BEAM STO	NNING BONE BONDED INT	D WITH FULL MORTAR HEAD JOINTS. O ADJACENT WALLS WITH HORIZONTAL
		 FLEXURAL S HORIZONTA 	STRESS: Fb = 2325 PSI AL SHEAR: Fv = 310 PSI	21. ALL BRICK SHALL C	CONFORM TO ASTM C62,	GRADE MW	REFER TO ARCH. DRAWINGS,
		6. USE SIMPSON STRONG-T FLUSH BEAM, U.N.O.	FIE, ITS OR IUS SERIES HANGER FOR TJI CONNECTION TO SUPPORTING				
			STALLATION PROCEDURES, SHALL BE STRICTLY IN ACCORDANCE WITH				

THE "SPECIFIER'S GUIDE" PUBLISHED BY WEYERHAUSER HR CORPORATION.

HARDWARE AND WOOD CONNECTORS:

EMENTS AND/OR CLARIFICATIONS TO THE SIMPSON	I

16d	COMMON
16d	COMMON
16d	COMMON
16d	COMMON
10d	COMMON
8d	COMMON
16d	SINKER
16d	SINKER
SDS	<u>1</u> ⁴ "X2"
SDS	1 "X2. <u>1</u> "
	MACHINE BOLT
10d	COMMON
10d	0.148"X1. 1 "
8d	0.131"X1. <u>1</u> " (2. <u>1</u> " IF O/SHTG)
8d	0.131"X1. ¹ " TO TRUSS
	0.131"X1. 1 " TO PLATES
10d	0.148"X1. <u>1</u> "
10d	0.148"X1. 1 "

TO 70% OF SHANK DIA. AND FULL DIA, FOR SHANK ROVED LUBRICANT SHALL BE USED ON THREADS. HAMMERING. CARE SHALL BE TAKEN TO AVOID

LENGT
3.1/2" 3.1/4" 3.1/4" 3" 2.1/2"

RMITTED IN MORTAR OR GROUT UNLESS TO AND REVIEWED BY THE ENGINEER THE USE OF RMITTED WITHOUT REDUCING THE LIME CONTENT. THE ND OTHER DELETERIOUS MATERIALS IS PROHIBITED.

GENERAL:

- ALL WORK TO CONFORM TO THE 2022 CBC AS AMENDED AND ENFORCED BY THE LOCAL JURISDICTION. 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, CONDITIONS AT THE JOB SITE, AND TO CROSS CHECK ALL DETAILS AND DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND/OR CIVIL DRAWINGS AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES
- PRIOR TO STARTING WORK. 2. FLOOR AND WALL OPENINGS, SLEEVES, VARIATIONS IN STRUCTURAL SLAB ELEVATIONS, DEPRESSED AREAS AND ALL OTHER ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND/OR CIVIL REQUIREMENTS MUST BE COORDINATED BEFORE THE CONTRACTOR PROCEEDS WITH CONSTRUCTION.
- 3. IN ALL CASES WHERE A CONFLICT MAY OCCUR SUCH AS BETWEEN ITEMS INCLUDED IN THE SPECIFICATIONS AND NOTES ON THE DRAWINGS OR BETWEEN GENERAL NOTES AND SPECIFIC DETAILS, THE ENGINEER SHALL BE NOTIFIED AND HE WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENT
- 4. DETAIL MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE.
- 5. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION.
- 6. EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE NOTED OR SHOWN IN THE PLANS OR SPECIFICATIONS, ALL PHASES OF WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE, LATEST EDITION, AS WELL AS ALL APPLICABLE STATE AND LOCAL ORDINANCES.
- 7. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THE STRUCTURAL DRAWINGS. 8. THE PRECISE DIMENSIONS AND LOCATIONS OF ALL DOOR AND WINDOW OPENINGS SHALL BE
- DETERMINED FROM THE ARCHITECTURAL DRAWINGS; OTHER FLOOR, WALL AND ROOF OPENINGS AS REQUIRED BY MECHANICAL ELECTRICAL OR SIMILAR REQUIREMENTS SHALL BE VERIFIED FROM SHOP DRAWINGS, EQUIPMENT DATA, ETC., AS REQUIRED.
- 9. THE MEANS AND METHODS OF CONSTRUCTION, INCLUDING THE DESIGN, ADEQUACY AND SAFETY OF BRACING, SHORING, GUYING, AND ERECTION AS WELL AS THE SEQUENCE OF CONSTRUCTION HAVE NOT BEEN CONSIDERED BY THE EOR. THE ENGINEER AND HIS REPRESENTATIVES WILL NOT COVER SUCH ITEMS IN THE COURSE OF THE STRUCTURAL OBSERVATIONS. S NOT BEEN CONSIDERED BY EOR.

IN OTHER THA NON-STRUCT FOR THOSE PINTERWEST THE SLAB-ON-GRADE OCCURRING DIRECTLY ABOVE A FOOTING.

RAINAGE IS DIRECTED AWAY FROM THE EXTERIOR FOOTARS () 24 SLOPE) AL SCIL BRADING RECOMMENDATIONS BY OTHERS.

- THE USE OF THESE PLANS, DRAWINGS, SPECILICATIONS, AND/OR ELEVATIONS IS RESTRICTED TO THE (ORIGINAL CORP & OB WARCD AT LEWWERE PEPERED AND FURNISHED TO THE CLIENT. PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REUSE, REPRODUCTION OR OTHER VCA STRUCTURAL. INC. ASSUMES NO LIABILITY FOR THE UNAUTHORIZED USE OF THESE PLANS.
- 14. THESE PLANS AND SPECIFICATIONS ARE TO SHOW THE PRIMARY STRUCTURAL SYSTEM AND ARE SOLELY FOR THE USE OF A BUILDER KNOWLEDGEABLE AND EXPERIENCED IN THIS TYPE OF WORK. STRUCTURAL COMPONENTS WHICH ARE NOT A PART OF THE PRIMARY STRUCTURAL SYSTEM: SUCH AS GLAZING WINDOW WALLS, GUARDRAILS, TEMPORARY SHORING, MANUFACTURED STRUCTURAL ELEMENTS, SITE IMPROVEMENTS, PAVING, DRAINAGE STRUCTURES, FREE STANDING SIGNS AND POLES, AND LANDSCAPE IMPROVEMENTS ARE NOT A PART OF THIS WORK.
- 15. ALL WORK OF THE CONTRACTOR, SUB-CONTRACTORS, AND BUILDER SHALL CONFORM TO CURRENT GOOD PRACTICES.
- 16. DURING THE COURSE OF CONSTRUCTION CHANGES MAY OCCUR, THESE PLANS DO NOT REFLECT HE "AS-BUILT" PRODUCT.
- 17. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR LOCATION AND CONSTRUCTION OF DRAFTSTOPS, FIRE BLOCKING, DAMPERS AND OTHERS ITEMS NECESSARY FOR FIRE PROTECTION. COORDINATE WITH OTHERS FOR LOCATION AND CONSTRUCTION OF FLASHING. BLOCKING. EXTERIOR FINISHES, TREATMENTS OR OTHER MATERIAL REQUIRED FOR DAMP PROOFING OR MOISTURE CONTROL.
- 18. FOR ANY PRE-MANUFACTURED PRODUCTS OR MATERIALS OF CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH AND FOR PROPER EXECUTION OF MANUFACTURER'S INSTRUCTIONS, REQUIREMENTS AND CONDITIONS OF APPROVAL PRIOR TO INSTALLATION AND/OR USE.
- 19. BECAUSE OF LOCATION SOME STRUCTURAL COMPONENTS ARE REQUIRED BY CODE TO BE PROTECTED FROM WATER/MOISTURE PENETRATION OR FROM FIRE DAMAGE. THE METHODS OF PROTECTION OF THESE STRUCTURAL COMPONENTS ARE NOT THE RESPONSIBILITY OF THE EOR AND NOT DETAILED. REFER TO OTHERS FOR WATER / MOISTURE PROOFING METHODS AND FIRE PROOFING DETAILS.
- 20. THERE SHALL BE NO TRENCHES OR EXCAVATIONS 5 FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND: OR OBTAIN NECESSARY PERMIT FROM STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE ISSUANCE OF A BUILDING OR GRADING PERMIT.
- 21. ANY ASTM DESIGNATIONS SHALL BE AS AMENDED TO DATE.
- 22. REFER TO ARCHITECTURAL PLANS TO VERIFY LOCATIONS OF 2X6 WALLS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE E.O.R. 23. MECHANICAL AND PLUMBING ENGINEERS TO VERIFY THEIR SYSTEMS CAN ACCOMMODATE UP TO
- 1/4" SHRINKAGE PER FLOOR LEVEL AND MAXIMUM STORY DRIFT ALLOWED BY CODE. PER CBC 2304.3.3 24. THE EFFECTS OF FLOOD HAZARDS AND FLOOD LOADS HAVE NOT BEEN CONSIDERED BY THE EOR
- IN THE EXISTING DESIGN. IT SHALL BE THE OWNERS RESPONSIBILITY TO NOTIFY THE EOR FOR REVISED DESIGN IF ANY PORTION OF THE PROJECT IS LOCATED WITHIN A FLOOD HAZARD AREA AS DEFINED BY C.B.C. SECTION 1612.
- 25. ANY ITEMS ON PLANS NOTED "BY OTHERS" SHALL BE INSPECTED BY OTHERS, AND ARE NOT REVIEWED, INSPECTED, OR OBSERVED BY VCA STRUCTURAL. COORDINATE REQUIREMENTS WITH THE APPROPRIATE PARTY.

GRAVITY LOADS:

	DL (PSF)	LL (PSF)*	*REDUCIBLE
ROOF	21	20	
FLOOR	12	40	
DECK	12	60	

WIND LOAD:

BASIC WIND SPEED: EXPOSURE CATEGORY: WIND IMPORTANCE FACTOR:

(NOTE: EXTERIOR COMPONENTS/CLADDING IS NOT DESIGNED BY EOR U.N.O.)

EARTHQUAKE DESIGN DATA:

l	
SS	
S1	
SITE CLASS	
SEISMIC DESIGN CATEGORY	
CS	
V (BASE SHEAR)	
R	
PROCEDURE	
FLOOD HAZARD AREA:	

0.78
0.29
С
D
0.095
(CS/1.4)W
6.5 (AT WOOD SHEAR WALLS)
ELF
NO

95 MPH (ULT.) (74MPH (ASD))

SUBMITTALS:

ARCH. CITY

THE FOLLOWING CHECKED DEFERRED SUBMITTAL ITEMS MUST BE REVIEWED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT FOR COORDINATION. THE ARCHITECT SHALL FORWARD FIVE COPIES OF THE SUBMITTAL TO THE ENGINEER OF RECORD (EOR) FOR REVIEW. IN NO CASE SHALL DEFERRED SUBMITTAL ITEMS BE DELIVERED TO THE JOBSITE PRIOR TO REVIEW AND APPROVAL BY THE BUILDING OFFICIAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE TURN-AROUND TIME OF EACH PARTY AND TO MAKE APPROPRIATE TIME ALLOWANCES. PLANS FOR THE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED IN A TIMELY MANNER THAT

1 307 TOLERANCES AND SUITABLE FOR THE PROPOSED ALLOWS A MINIMUM OF 15 WORKING DAYS FOR INITIAL PLAN REVIEW. ALL COMMENTS RELATED TO THE DEFERRED SUBMITTALS MUST BE ADDRESSED TO THE SATISFACTION OF THE PLAN CHECK DIVISION PRIOR TO APPROVAL OF THE SUBMITTAL ITEMS.

MECHANICAL AND PLUMBING LAYOUT.

- ELECTRICAL LAYOUT.
- FIRE PROTECTION PLAN AND DETAILS.
- POST-TENSIONED SLAB SHOP DRAWINGS.*
- STRUCT. STEEL SHOP DRAWINGS (BASE PLATES, FRAMES, STAIRS, RAILS AND AWNINGS). PROVIDE ENGINEERING FOR STAIRS, RAILS AND AWNINGS.

ROOF TRUSS SHOP DRAWINGS.

*P.T. SHOP DRAWING REVIEW NOT REQ'D IF VCA IS P.T. E.O.R.









DRAWN BY	
	A.V./T.D.
CHECKED BY	
	M.V.G./R.S.
PROJECT NO.	
	10-12072
ISSUE DATE	
	09/05/2023
PLOT DATE	
	02/27/2024
SHEET NO.	





BUILDING INSPECTION DIVISION SUBJECTION TO THE FOLLOWING: Plans are accepted for construction subje to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permi or approve the violation of any City County, State, Federal Laws or other restrictions. 22 California Building Sta

Dantee

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved






	SOLID CONCRETE AT POP-OUT WHERE OCCURS PER PLAN. RUN SLAB REINFORCING (OR SLAB TENDONS AS OCCURS) OUT TO POP-OUT. SEE DETAIL 18/SD-1 FOR ADDITIONAL REQUIREMENTS AT P.T. FOUNDATION. EDGE OF MAIN HOUSE FOOTING BEYOND SEE DET. 1/SD-1 FOR MAIN HOUSE FTG. REQUIREMENTS
17	FOOTING AT POP-OUT
18	Image: Construction of the image of the
10	
20	
	1



S

A.V./T.D.

10-12072

3.3 VENTILATION AND EXHAUST DUCTS

GENERAL REQUIREMENTS:

- 1.1. VENT ROUTING SHOWN ON PLANS ARE SCHEMATIC AND REPRESENT THE GENERAL INTENT OF INSTALLATION. PRIOR TO INSTALLATION VERIFY FIELD CONDITIONS AND COORDINATE WITH ALL OTHER TRADES.
- 1.2. UNLESS NOTED OTHERWISE ON THE PLANS, EXHAUST & VENTILATION DUCTS SHALL MEET THE SIZING REQUIREMENTS OUTLINED IN SECTION 2.5, NOTE 1.1.
- 1.3. ALL VENTS TO MAINTAIN MIN 10'-0" CLEARANCE FROM ANY EXTERIOR AIR INTAKE AND MIN 3'-0" FROM PROPERTY LINE AND ANY OPENING INTO CONDITIONED SPACES WITHIN THE BUILDING.
- 1.4. COVER AIR INTAKE AND EXHAUST OPENINGS WITH CORROSION RESISTANT SCREEN. MIN 1/4", MAX 1/2" OPENINGS. DRYER VENT MAY NOT TERMINATE AT A SCREEN OR LOUVER. 1.5. VERIFY LOCATION OF SOLAR PANELS (OR FUTURE SOLAR ZONE, WHERE OCCURS) PRIOR TO CONSTRUCTION. DO NOT PENETRATE ROOF WITHIN 3'-0" OF SOLAR PANEL, ADJUST ROOF PENETRATIONS AS NEEDED. WHERE PENETRATIONS CANNOT BE ADJUSTED OR CONFLICT OCCURS, CONTACT HARRIS & SLOAN PRIOR TO INSTALLATION. NOTE THAT SOLAR PANEL LOCATION VARIES BASED ON ORIENTATION OF STRUCTURE. SEE SOLAR PLANS, PROVIDED BY OTHERS.
- 1.6. ROOF PENETRATIONS TO BE LOCATED OUTSIDE OF ANY FIRE RATED ROOF AREAS, REFER TO ARCHITECTURAL PLANS. 1.7. GROUP AND ROUTE VENT PENETRATIONS TO THE REAR ELEVATION OF ROOF AREA WHENEVER POSSIBLE TO MINIMIZE VISIBILITY
- 1.8. WALL PENETRATIONS TO BE LOCATED THROUGH RIM JOIST IN FLOOR CAVITY OR THROUGH TRUSS FRAMING IN ATTIC, UNO. SEE STRUCTURAL PLANS FOR HOLE SPECIFICATIONS AT RIM JOIST, DO NOT CUT TRUSS FRAMING. MATERIAL:
- 2.1. EXHAUST VENTS (CLOTHES DRYER, KITCHEN RANGE HOOD) SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL WITH SMOOTH INTERIOR SURFACES. ALL DUCTS SHALL BE CONSTRUCTED PER CMC CHAPTER 6. 2.2. EXHAUST VENTS FOR SUPPLY/EXHAUST FANS TO BE FLEXIBLE UNINSULATED DUCT. WHERE LENGTH EXCEEDS 15 FT., PROVIDE R6
- INSULATED DUCT 2.3. PROVIDE BACKDRAFT DAMPERS AT ALL EXHAUST DUCTS.
- 2.4. FIREPLACES MUST BE DIRECT-VENT SEALED-COMBUSTION CHAMBER TYPE.

3. CONSTRUCTION REQUIREMENTS: 3.1. DRYER VENT:

3.1.1. ALL INSTALLED DRYER VENTS SHALL BE SMOOTH METAL. ENGINEERED EQUIVALENT MAY BE PROVIDED WHERE APPROVED BY AUTHORITY HAVING JURISDICTION 3.1.2. A MIN OPENING OF 100 SQ INCHES OF NET FREE AREA FOR MAKE UP AIR SHALL BE PROVIDED USING THE FOLLOWING OPTIONS: A. TRANSFER GRILLE IN CEILING, DUCTED TO GRILLE (SAME SIZE OR GREATER) IN ADJACENT HALL OR OTHER OPEN AREA, AND UNDERCUT DOOR. SEE TABLE BELOW FOR SIZING OPTIONS B. THROUGH-WALL TRANSFER GRILLE EACH FACE OF WALL, CENTERED OVER DOOR UNO, AND UNDERCUT DOOR. SEE TABLE BELOW FOR SIZING OPTIONS

C. LOUVERED DOOR	WITH MIN 10	0 SQ INCHES NET F	FREE AREA	
	DOOR I WIDTH	GRILLE	& DUCT SIZING C	PTIONS
		14X6 (8" DUCT)	14X8 (10" DUCT)	12X12 (12" DUCT)
	2'-6"	1 3/8"	3/4"	
	2'-8"	1 3/8"	3/4"	
	2'-10"	/4"	3/4"	
	3'-0"	/4"	5/8"	
	I. WHERE	DOUBLE DOOR OC	CURS UNDERCUT	MAY BE

REDUCED BY 50%.

- 3.1.3. VENTS SHALL NOT BE ASSEMBLED W/ FASTENERS THAT EXTEND INTO VENT & ARE CAPABLE OF CATCHING LINT
- 3.1.4. DUCTS IN CRAWL SPACES OR ATTICS TO BE INSULATED WITH I-INCH, 3/4-POUND FIBERGLASS DUCT WRAP. 3.1.5. DRYER VENT LENGTHS SHALL BE LIMITED SUCH THAT THE TOTAL COMBINED VERTICAL & HORIZONTAL LENGTH OF DRYER VENT SHALL NOT EXCEED 14'-0" AND SHALL HAVE NO MORE THAN TWO 90° ELBOWS (MAX EQUIVALENT LENGTH OF 24'-0") PER CMC SECTION 504.4.2.1. TWO FEET SHALL BE DEDUCTED FROM THE DRYER VENT LENGTH FOR EACH 90° ELBOW IN EXCESS OF TWO. WHEN CONDITIONS PROHIBIT COMPLIANCE WITH THESE LIMITATIONS, USE THE DRYERS'S MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE FOLLOWING:
- THE MAKE AND THE MODEL OF THE CLOTHES DRYER AND THE CORRESPONDING MANUFACTURER'S INSTALLATION 3.1.5.1.
- INSTRUCTIONS SHALL BE PROVIDED TO THE BUILDING DEPARTMENT. THE MAX ALLOWABLE EQUIVALENT LENGTH OF THE VENT SHALL NOT EXCEED 35'-0" UNLESS LONGER LENGTHS ARE 3.1.5.2.
- APPROVED BY AUTHORITY HAVING JURISDICTION PRIOR TO CONSTRUCTION. MANUFACTURER'S INSTALLATION INSTRUCTIONS OF INSTALLED APPLIANCE ARE TO BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PRIOR TO APPROVAL. THE LENGTH OF THE VENT SHALL BE MEASURED FROM THE TRANSITION DUCT CONNECTED TO THE DRYER UP TO THE 3.1.5.3.
- THE EQUIVALENT LENGTH OF THE VENT SHALL BE THE TOTAL COMBINED VERTICAL AND HORIZONTAL LENGTH LESS THE 3.1.5.4. EQUIVALENT LENGTH OF FITTINGS INSTALLED.

FITTING NUMBER	DRYER EXHAUST DUCT	LENGTH
I	4" RADIUS MITER 45° ELBOW	1'-6"
2	4" RADIUS MITER 90° ELBOW	5'-0"
з	6" RADIUS SMOOTH MITER 45° ELBOW	I'-0"
4	6" RADIUS SMOOTH MITER 90° ELBOW	1'-9"
5	8" RADIUS SMOOTH MITER 45° ELBOW	1'-0"
6	8" RADIUS SMOOTH MITER 90° ELBOW	1'-7"
7	10" RADIUS SMOOTH MITER 45° ELBOW	9"
8	10" RADIUS SMOOTH MITER 90° ELBOW	1'-6"

- EQUIVALENT LENGTH IS BASED ON VENT ROUTING SHOWN ON PLANS. WHERE ROUTING IS ADJUSTED CONTRACTOR TO VERIFY EQUIVALENT LENGTH DOES NOT EXCEED 24'-0" OR PROVIDE ALTERNATE SIZING CALCULATIONS TO HARRIS & SLOAN PRIOR TO 3.1.6. CONSTRUCTION.
- WHERE EQUIVALENT LENGTH OF VENT EXCEEDS CODE REQUIREMENTS, PROVIDE A DURABLE PLACARD AT LEAST 4" 3.1.7. VERTICALLY \$ 5" HORIZONTALLY PERMANENTLY AFFIXED ON THE WALL, VISIBLE FROM AND CLOSE TO THE DRYER LOCATION. THE PLACARD SHALL PROVIDE THE ACTUAL LENGTH OF THE INSTALLED EXHAUST VENT. SEE DETAIL F/MN.2. MAY BE OMITTED WITH APPROVAL OF JURISDICTION.

3.4 SUPPLY AND RETURN DUCTS

GENERAL REQUIREMENTS:

- DUCT ROUTING SHOWN ON PLANS ARE SCHEMATIC AND REPRESENT THE GENERAL INTENT OF INSTALLATION. PRIOR TO INSTALLATION VERIFY FIELD CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. 1.2. DUCTWORK DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS
- 1.3. FLEXIBLE DUCTWORK FOR THE HVAC HEATING AND COOLING SYSTEM SHALL MEET CMC AND UL LISTING REQUIREMENTS. I.4. RIGID DUCTS AND FITTINGS TO BE MIN 26 GAUGE GALVANIZED SHEET METAL. 1.5. FABRICATE AND INSTALL DUCTWORK IN ACCORDANCE WITH THE LATEST EDITION OF ASHRAE GUIDE, SMACNA MANUALS
- AND CMC CHAPTER 6. I.6. ALL FACTORY MADE DUCTWORK TO BE CLASS I PER CMC 602.4.4. I.7. CHASES, SOFFITS AND DROPPED CEILINGS SHALL BE CONSTRUCTED SO AS NOT TO PINCH, CRIMP, CRUSH OR OTHERWISE OBSTRUCT THE DUCTWORK.
- 2. MATERIALS:
- 2.1. ALL MATERIALS MUST HAVE A MIN PERFORMANCE TEMPERATURE RATING AND CONFORM TO THE REQUIREMENTS IN THE TABLE BELOW:
 - DUCT & CONNECTION MATERIAL REQUIREMENTS

Deer	CONNECTIO	
ITEM	UL LISTING	ADDITIONAL REQUIREMENTS & NOTES
FLEXIBLE DUCT	UL-181	
RIGID DUCT	UL-181	
DUCT LINING	UL-181	MOLD, HUMIDITY, & EROSION RESISTANT SURFACE
DUCT CONNECTORS 4	UL-181	
CLOSURE SYSTEM FOR FLEXIBLE DUCT 1, 2	UL-181B	PRESSURE SENSITIVE TAPE, MASTIC, NON-METAL FASTENERS
CLOSURE SYSTEM FOR RIGID DUCT 1, 2	UL-181A	PRESSURE SENSITIVE/HEAT ACTIVATED TAPE, MASTIC
SEALANTS		NON-TOXIC & WATER RESISTANT
INTERIOR APPLICATIONS	UL-181B-M	ASTM C731 & ASTM D202
EXTERIOR APPLICATIONS	UL-181B-M	ASTM C732 & ASTM D202
I. ALUMINUM BACKED BUTYL ADHESIVE COMPONENTS.	TAPE (MIN	15 MIL THICK) MAY BE USED FOR CLOSURE OF ALL DUCTS ¢

- 2. CLOTH BACKED, RUBBER ADHESIVE TAPES SHALL NOT BE USED EVEN IF UL-181 RATED. TAPE USED FOR DUCTBOARD SHALL BE UL-181A LISTED TIES. ALL DRAWBANDS SHALL BE EITHER STAINLESS STEEL WORM DRIVE HOSE CLAMPS OR UV RESISTANT NYLON DUCT TIES. ALL DRAWBANDS SHALL HAVE A MIN TENSILE STRENGTH OF 150 POUNDS & MIN PERFORMANCE
- TEMPERATURE RATING OF 165 DEGREES FAHRENHEIT

2.2. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME-SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 50. 3. CONSTRUCTION REQUIREMENTS:

- 3.1. DUCTS SHALL BE INSTALLED USING MIN LENGTH REQUIRED TO MAKE CONNECTION. HORIZONTAL DUCTS SHALL BE SUPPORTED AT MAX SPACING OF 4'-0", VERTICAL RISERS SHALL BE SUPPORTED AT MAX SPACING OF 6'-0". SEE DETAIL G/MN.2 FOR CONNECTION SPECIFICATIONS.
- 3.2. ENSURE THAT FLEXIBLE DUCTS MAINTAIN A MIN RADIUS AT THE CENTERLINE OF THE DUCT, MIN IX THE DIAMETER OF THE DUCT TURN OR PROVIDE SHEET METAL ELBOWS AS REQUIRED. SEE DETAIL D/MN.2.
- 3.3. RETURN DUCT SHALL CONTAIN NO MORE THAN 180 DEGREES OF BEND. IF THE TOTAL BENDING EXCEEDS 90 DEGREES, ONE BEND SHALL BE A RIGID ELBOW.
- 3.4. WHERE SUPPLY AIR DUCTS AND PLENUMS ARELOCATED OUTSIDE OF CONDITIONED SPACE OR IN RETURN PLENUMS, THEIR JOINTS SHALL BE SEALED IN ACCORDANCE WITH CLASS C, AS DEFINED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE AND CMC CHAPTER 6.
- 3.5. INSULATE ALL UNLINED INTERIOR SUPPLY AND RETURN DUCTWORK WITH FIBERGLASS INSULATION. SEAL ALL JOINTS PRIOR TO INSULATING. SEE TITLE 24 ENERGY DOCUMENTS FOR INSULATION REQUIREMENTS. 3.6. DRAWBANDS SHALL BE TIGHTENED AS RECOMMENDED BY THE MANUFACTURER WITH AN ADJUSTABLE TENSIONING TOOL.
- 3.7. FLEXIBLE DUCT WORK SHALL BE SUPPORTED AND JOINED TO SHEET METAL PER SMACNA DUCT CONSTRUCTION STANDARDS AND SHALL BE USED WITH A 2" SHEET METAL SADDLE AT EACH SUPPORT HANGER. WHEN FLEXIBLE DUCTWORK IS INSTALLED AS A BRANCH DUCTWORK TO A POINT OF TERMINATION, THE CONTRACTOR MUST UTILIZE ADJUSTABLE SHEET METAL ELBOWS WITH AN ALUMINIZED INSULATION MATCHING THE PRE-INSULATED FLEXIBLE DUCTWORK INSULATING VALUE. 3.8. FLEXIBLE DUCTS NOT PERMITTED TO PENETRATE FIRE RATED CONSTRUCTION OR CONVEY AIR OVER 250 DEGREE F.



PLANS APPROVED BY THE CITY OF SANT BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the Californ Housing Law and the building laws of th City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to perm or approve the violation of any City County, State, Federal Laws or other restrictions.

022 California Building Standard Code Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV

Plan-Approved

STANDARD NOTES AND SPECIFICATIONS

2.5 VENTILATION AND EXHAUST FANS

I. GENERAL REQUIREMENTS:

2.3.1.

2.4. KITCHEN

2.7.

2.1.

3.2.1.

3.2.2.

I. GEN I.I.	VERAL REQUIREMEN UNLESS NOTED OT WITH THE FOLLOW	ITS: HERWI NG TA	SE <i>O</i> ABLE:	N ТН	E PL	ANS,	MEC	HANIC	AL E	XHAUS	3T ¢	VENT	ILATI	ON SI	IALL BE PROVIDED IN ACCORD	ANCE
	KITCHEN RANG	E HO	DD FI	_OW	RATE	S ^{1, 2}		E	BATHE	200M	FLOM	N RAT	ΈS ^{Ι,}	2		
	DWELLING UNIT		MIN I	RATE	(CFI	M)		OCAT	1 <i>0</i> N		AIRF	FLOW	(CFI	۲ ک		
	FLOOR AREA (FT	<u>()</u> EL	ECTR		G/	15		BATHE	<u>ROOM</u>		50					
	> 1500		110		18	0	P	OWD	<u>ER /</u>	WC						
	1000-1500		110		25	50	_ ı	. ТА	BLE	DERIV	ED F	ROM				
	750-1000		130		28	30		CE	C, 150	0.0-E						
	< 750		160		28	30	_ 2	2. FA	NS IN	ITERM	1ITTE	NTLY				
	I. TABLE DERIV 2. FANS INTERM NOT TO EXCE 3. SIZE RIGID D	ED FR ITTEN ED 3. UCT F	ROM (TLY) 0 SOI PER T	CEC, OPER NES ABLE	150.0 ATEE BEL	-G), .OW		50 3. SIZ BE	NES. LOW	ED, I UNO EX DI	ON P JCT F	LANS PER 1	ABLE	5.0		
		PR	ESCR		/E VB	ENTIL	ATIO	N DUC	CT SI	ZING ^I	2					
	FAN AIRFLOW AT WC (CFM)	0.25"	⊴50	≤80	≤100	≤125	≤150	≤175	≤200	≤250	≤350	≤400	≤450	≤700		
	MINIMUM DUCT	RIGID	4	5	5	6	6	7	7	8	9	10	10	12		
	DIAMETER (IN)	FLEX	4	5	6	6	7	7	8	8	9	10	NP	NP		
	I. TABLE DERIV 2. IN LIEU OF S MANUFACTUR	ED FR ZING ER RE	ROM A PER QUIRI	ASHR. TABL EMEN	AE 6: E, IN TS.	2.2, STAL	tabl L Ve	E 5.3 NTILA	FOR ATION	UNLIM DUC	IITED T PER	LENG R FAN	THS.			

1.2. SWITCHING LOCATIONS PER UTILITY PLANS UNO. 2. EQUIPMENT & CONSTRUCTION REQUIREMENTS:

2.2. BATHROOM: MECHANICAL BATHROOM EXHAUST FANS SHALL COMPLY WITH THE FOLLOWING PER CALGREEN SECTION 4.506: 2.2.1. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.

2.2.2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE BUILDING VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDISTAT WHICH SHALL BE READILY ACCESSIBLE. HUMIDISTAT CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN RELATIVE HUMIDITY RANGES OF 50% TO 80%. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL OR BUILT-IN. 2.2.3. FOR THE PURPOSES OF THIS SECTION, A BATHROOM IS A ROOM WHICH CONTAINS A BATHTUB, SHOWER OR TUB/SHOWER COMBINATION.

2.2.4. SEE UTILITY PLANS FOR FAN OR FAN/LIGHT COMBINATIONS. 2.3. WHOLE BUILDING VENTILATION:

WHOLE BUILDING VENTILATION MUST BE PROVIDED PER ASHRAE 62.2 BY MEANS OF CONTINUOUSLY RUNNING EXHAUST SYSTEM OR BALANCED EXHAUST & SUPPLY SYSTEM. SEE SECTION 1.1 FOR VENTILATION RATES REQUIRED. 2.3.1.1. WHOLE BUILDING VENTILATION CALCULATIONS:

Qfan = 0.03(Af1r) + 7.5(Nbr + 1)

WHERE Afir = CONDITIONED FLOOR AREA

Nbr = NUMBER OF BEDROOMS; NOT TO BE LESS THAN ONE QTOT = VENTILATION AIR REQUIREMENT = FAN FLOW RATE, (CFM)

2.3.1.2. WHERE BLOWER DOOR TEST IS PERFORMED AND/OR BALANCED VENTILATION SYSTEM IS USED, REQUIRED VENTILATION SYSTEM CHANGES, SEE TITLE 24 DOCUMENTS FOR FINAL VENTILATION SPECIFICATIONS.

2.3.2. FAN(5) MUST OPERATE 24/7 WHILE THE BUILDING IS OCCUPIED AND MUST BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. WHERE INSTALLED IN CONDITIONED SPACE, FAN MUST BE 1.0 SONE OR LESS 2.3.3. THE ON/OFF SWITCH FOR WHOLE BUILDING VENTILATION FAN(S) MUST BE SEPARATE FROM ALL LIGHTING AND LABELED WITH CLEARLY WRITTEN TEXT NO SMALLER THAN 12 POINT ARIAL TYPE: "THE FAN MUST BE ON 24/7 WHILE THE HOUSE IS OCCUPIED, UNLESS THERE IS SEVERE OUTDOOR AIR CONTAMINATION".

2.3.4. WHERE BALANCED VENTILATION SYSTEM IS USED, ALL FANS TO BE CONTROLLED BY SAME SWITCH AND EXHAUST/SUPPLY AIRFLOW MUST BE WITHIN 20% OF EACH OTHER, ADJUST FAN SPEED AND/OR MANUAL DAMPER AT INTAKE FAN TO MEET REQUIREMENTS. 2.3.5. WHERE ENERGY RECOVERY VENTILATOR (ERV) OR HEAT RECOVERY VENTILATOR IS USED FOR BALANCED VENTILATION, EQUIPMENT MUST MEET CEC REQUIREMENT FOR FAULT INDICATION DISPLAYS.

2.4.1. MECHANICAL KITCHEN VENTILATION MUST BE PROVIDED BY A RANGE HOOD, A MICROWAVE/HOOD COMBINATION, A DOWNDRAFT FAN, A KITCHEN CEILING OR WALL FAN, OR A PICKUP GRILLE IF OPERATED INTERMITTENTLY. 2.5. DRYER REQUIREMENTS:

2.5.1. DRYER TO MAINTAIN AIRFLOW OF MIN 1200 FEET PER MINUTE WITH A STATIC PRESSURE LESS THAN 0.42" WATER 2.5.2. PROVIDE MAKE-UP AIR FOR TYPE 1 \$ 2 CLOTHES DRYERS PER SECTION 3.3.

2.5.3. DRYER CLEARANCES TO MEET CMC SECTION 908.2.

2.2. AT BUILDER OPTION, THERMOSTAT MAY BE RELOCATED WITHIN THE ZONE IT CONTROLS.

3.1.1. MUST BE LOCATED IN OPEN AREA (HALL, LOFT, STAIRWAY, ETC).
 3.1.2. LOCATE MIN 3'-0" FROM ANY SMOKE/CO DETECTOR.

3.1 SUPPLY AND RETURN GRILLES

I.2. EXHAUST GRILLES, WHERE USED, SHALL BE TITUS #50 OR EQUAL.

2.6. INTAKE FANS

2.6.I. INLINE FANS MAY BE INSTALLED AT ANY POINT ALONG DUCT, WHERE POSSIBLE MAINTAIN MIN 10'-0" OF DUCT BETWEEN GRILLE AND FAN.

2.6.2. FANS TO BE ACCESSIBLE FOR ADJUSTMENT AND MAINTENANCE, WHERE NOT ACCESSIBLE THROUGH ATTIC PROVIDE 14X14 ACCESS PANEL IN WALL/CEILING. PANEL TO HAVE SAME FIRE RATING AS WALL/CELIING, WHERE REQUIRED, SEE ARCHITECTURAL PLANS FOR FIRE RATING SPECIFICATIONS.

2.6.3. INTAKE FANS NOT PART OF THE WHOLE BUILDING VENTILATION SYSTEM TO BE SWITCHED SEPARATELY WITH SWITCH LOCATED NEXT TO WHOLE BUILDING VENTILATION SWITCH

BOOSTER FANS: BOOSTER FANS TO BE INTERLOCKED WITH MECHANICAL COMPONENTS THEY ARE PROVIDED WITH OR INSTALLED WITH A PRESSURE SWITCH APPROVED BY FAN MANUFACTURER. 2.6 THERMOSTATS

THERMOSTATS SHALL BE PROGRAMMABLE SET BACK TYPE AND HAVE THE CAPABILITY OF TERMINATING COOLING AT 75° F AND HEATING AT 70° F. THERMOSTATS SHALL HAVE AN ADJUSTABLE RANGE UP TO 10° F.

CONSTRUCTION REQUIREMENTS:

I. GENERAL REQUIREMENTS

CONSTRUCTION REQUIREMENTS:

3. ALTERNATES & MODIFICATIONS:

GENERAL REQUIREMENTS:

LOCATION

CEILING

CEILING

CEILING

WALL (HIGH

WALL (LOW FLOOR

WALL (HIGH)

WALL (LOW)

2. CONSTRUCTION REQUIREMENTS:

I. GENERAL REQUIREMENTS:

2. MATERIALS:

WALL (TYF

CEILING (IHR RATED)

CEILING CEILING (IHR RATED)

2.7 WHOLE HOUSE FAN

WHERE SOLAR PANELS ARE NOT INSTALLED AND SOLAR READY ZONE IS NOT PROVIDED, INSTALL DEMAND RESPONSE THERMOSTAT TO COMPLY WITH SOLAR READY ZONE EXCEPTION.

2.1. MOUNT THERMOSTAT BETWEEN 4'-6" - 5'-0" (4'-0" AT ACCESSIBLE DWELLINGS) ABOVE FINISH FLOOR HEIGHT, ALIGNED OVER LIGHT SWITCHES, UNO ON ARCHITECTURAL PLANS.

I.I. CFM CAPABILITIES AS NOTED ON WHOLE HOUSE FAN SCHEDULE ARE CEC CERTIFIED CFM VALUES RATED FOR THE ENTIRE ASSEMBLY.

1.2. HOMEOWNER MUST BE PROVIDED WITH ONE PAGE "HOW TO OPERATE YOUR WHOLE HOUSE FAN" INFORMATIONAL SHEET OR MANUFACTURER'S USER MANUAL.

THE TIMER AND FAN SPEED SWITCHES SHALL BE MOUNTED AT 4'-6" ABOVE FINISH FLOOR HEIGHT, ALIGNED OVER SWITCHES, UNO ON ARCHITECTURAL PLANS.

2.2. FAN MOTOR AND HOUSING SHALL BE MOUNTED MIN 3 DEGREES FROM THE HORIZONTAL IN AN UPWARD DIRECTION, TO MINIMIZE RAISING INSULATION OR SURFACE PARTICULATES ON THE CEILING ASSEMBLY.

2.4. A JUNCTION BOX WITH A CONTINUOUS POWER SUPPLY SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AT AN ATTIC LOCATION ABOVE THE SWITCH MODULE.

3.2. ALTERNATE EQUIPMENT: EQUIVALENT FAN MAY BE USED AT BUILDER OPTION, PROVIDED THE FOLLOWING CRITERIA IS

3.2.3. WHERE FAN IS USED AS PART OF SOLAR ZONE EXCEPTION, FAN MUST USE ELECTRONICALLY COMMUTATED MOTOR.

SUPPLY, RETURN, ¢ TRANSFER GRILLES SHALL BE OF THE SIZE, LOCATION, TYPE, AND BLOW PATTERN INDICATED ON PLAN. PROVIDE SHOEMAKER GRILLE PER TABLE BELOW (OR EQUAL) WHERE NOT SPECIFIED ON AT RESIDENTIAL:

BLOW PATTERN MODEL No.

1.3. WHERE STAMPED FACE RETURNS ARE USED IN PLACE OF RETURN AIR GRILLE SPECIFIED, THE CONTRACTOR SHALL INSTALL A LARGER SIZE OR ADDITIONAL GRILLES TO MAINTAIN AN EQUIVALENT CORE EFFECTIVE AREA, REFER TO MANUFACTURER'S DATA FOR SIZING.

1.4. ALTERNATE MANUFACTURER'S PRODUCTS MAY BE USED. CONTRACTOR SHALL SELECT SUPPLY GRILLE ALTERNATES BASED UPON MAX PRESSURE DROP OF 0.04" WATER COLUMN AT DEVICE AND MAX FACE VELOCITY OF 700 FEET PER MINUTE. ALL PRODUCTS SHALL BE PERFORMANCE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STANDARD 70.

2.1. LOCATE SUPPLY & RETURN AIR GRILLES MIN 3'-0" FROM SMOKE/CO DETECTOR, TYPICAL AT ALL LOCATIONS. COORDINATE SMOKE/CO DETECTOR ADJUSTMENTS WITH ARCHITECT/ELECTRICAL ENGINEER PRIOR TO CONSTRUCTION.

ADJUSTABLE #950

|4-WA1

2-WAY

2-WAY

4-WAY ADJUSTABLE

SUPPLY REGISTER, TRANSFER GRILLE, & RETURN AIR GRILLE SPECIFICATIONS

#700 CB-FR

#830 FR

#935FG

#935FG NO

FAN AIRFLOW MEETS OR EXCEEDS CFM SPECIFIED IN WHOLE HOUSE FAN SCHEDULE. WHERE NOT MET, FAN AIRFLOW MUST MEET OR EXCEED TITLE 24 REQUIREMENTS, MIN 1.5 CFM PER SQ FT OF LIVABLE AREA. REQUIRED VENTING IS PROVIDED WITHIN ATTIC ZONE WHERE FAN IS INSTALLED. AREA IS "NET FREE AREA" WITHIN ATTIC ZONE WHERE FAN IS INSTALLED, SEE ARCHITECTURAL PLANS FOR VENTING SPECIFICATIONS. VENTILATION MUST MEET OR EXCEED FAN MANUFACTURER REQUIREMENTS, MIN I SQ FT PER 750 CFM OF FAN AIRFLOW WHERE VENTILATION SPECIFICATIONS NOT PROVIDED

3.1. ALTERNATE LOCATIONS: AT BUILDER OPTION, WHOLE HOUSE FAN MAY BE RELOCATED, PROVIDED THE FOLLOWING CRITERIA ARE MET:

2.3. FOR DAMPER BOX ROUGH FRAMING, 2X BLOCKING SHALL BE PROVIDED FOR MIN TWO ADJACENT OR OPPOSING ATTACHMENT POINTS.

GENERAL REQUIREMENTS:

1.2. UNLESS INDICATED OTHERWISE, PULL MIN THREE WIRES BETWEEN THERMOSTAT AND CONDENSER TO ALLOW FOR FUTURE CHANGES. FOR BEST RESULTS, CENTRALLY LOCATE THERMOSTAT IN ZONE, NOT NEAR OPERABLE WINDOW OPENINGS.

UL FIRE RESISTANCE RATED

PROVIDE FILTER PER PLAN

UL FIRE RESISTANCE RATED PROVIDE FILTER PER PLAN

PROVIDE FILTER PER PLAN PROVIDE FILTER PER PLAN

GENERAL REQUIREMENTS

2.2 CONDENSER (CU) & HEAT PUMP (HP)

- CONSTRUCTION REQUIREMENTS: 2.1.
- REFRIGERANT PIPING LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS OR S BE PROTECTED FROM UNAUTHORIZED ACCESS BY A MEANS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTIO CMC SECTION 1105.11.
- 2.2. FOR CONDENSERS & HEAT PUMPS, THE SUCTION REFRIGERANT LINE FROM THE INDOOR COIL TO THE OUTDOOR UNI SHALL BE INSULATED WITH MIN RG INSULATION. INSULATION USED FOR REFRIGERANT SUCTION LINES SHALL BE WA RETARDANT AND PROTECTED FROM PHYSICAL DAMAGE AND UV DETERIORATION.
- 2.3. PROVIDE PIPING SLEEVE FOR REFRIGERANT PIPING THAT RUNS BELOW GRADE OR THROUGH CONCRETE FLOOR. SLE TO HAVE MIN 1/2" CLEARANCE AROUND PIPE INSULATION.
- 2.4. AN EQUIPMENT PAD SHALL BE PROVIDED FOR GRADE MOUNTED CONDENSERS & HEAT PUMPS MIN 6" WIDER THAN CONDENSER IN ALL DIRECTIONS, 4" THICK AND MIN 3" ABOVE ADJACENT GRADE. REFER TO MANUFACTURER'S REQUIREMENTS FOR CLEARANCES.
- 2.5. WHERE PIPING RUNS VERTICALLY THROUGH WALL, BORE/NOTCH TOP PLATES PER STRUCTURAL PLANS. 2.6. REFRIGERANT PIPING TO BE SECURELY FASTENED TO FRAMING WITHIN 6'-0" OF FIRST BEND FROM CONDENSER, 2'-0" OF EACH SUBSEQUENT BEND, AND AT POINTS NO MORE THAN 15'-0" APART. SEE DETAIL E/MN.2.
- 3. ALTERNATES & MODIFICATIONS: 3.1. ALTERNATE LOCATIONS
- 3.1.1. LOCATION OF EQUIPMENT ON PLAN IS DIAGRAMMATIC IN NATURE, VERIFY EXACT LOCATION WITH ARCHITECTURA PLANS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY THAT ADJUSTED EQUIPMENT LOCATION DOES NOT NEGATIVELY IMPACT THE PERFORMANCE OF THE OVERALL SYSTEM. CONTRACTOR SHALL FIELD VERIFY EQUIPMENT CLEARANCE, MAINTENANCE AREA, \$ LOT LINE SETBACKS PRIOR 3.1.2. RELOCATING.

2.3 DUCTLESS SYSTEM COMPONENTS

2.4 DAMPERS

2.1. 26 GA HARD PIPE TO ROOF JACK. 2.2. PROVIDE INTAKE DAMPER & SCREEN OPENING PER SECTION 3.3.

2.3. PROVIDE BACKDRAFT DAMPER AT INTAKE DUCT WHERE CONNECTED TO SUPPLY/RETURN DUCT. DAMPER TO BE INSTALLED BETWEEN INTAKE FAN AND SUPPLY/RETURN DUCT OR BE INTEGRATED INTO FAN SYSTEM

3. CONSTRUCTION REQUIREMENTS:

3.1. FRESH AIR INTAKE DUCT TO MAINTAIN MIN 10'-0" CLEARANCE FROM ANY EXHAUST OR WASTE VENT

3.2 INTAKE DUCTS

ELECTRICAL CONTRACTOR WILL FURNISH A SEPARATE DISCONNECT SWITCHING DEVICE AND INSTALL ALL COMPONENTS FOR THIS IN THE SAME LOCATION AS THE WHOLE BUILDING VENTILATION SYSTEM.

3.1.2. ADJUSTED LOCATIONS TO BE APPROVED BY BUILDER FOR AESTHETIC PURPOSES.

3. ALTERNATES & MODIFICATIONS:

3.1. ALTERNATE LOCATIONS

CLEARANCES, PROVIDED DUCT LENGTH IS NOT INCREASED BY MORE THAN 10%. CONTRACTOR SHALL VERIFY THAT ADJUSTED LOCATION DOES NOT NEGATIVELY IMPACT AIRFLOW.

3.1.1. LOCATION OF GRILLES ON PLAN IS DIAGRAMMATIC IN NATURE AND MAY BE ADJUSTED TO MAINTAIN REQUIRED

ND SPECIFICATIONS		FOR JURISDICTION USE:
1.5 SYSTEM ALTERNATES & MODIFICATIONS	1.1 DESIGN CRITERIA	
 GENERAL REQUIREMENTS: I.I. EQUIPMENT SUBSTITUTIONS, LAYOUT MODIFICATIONS, AND ALTERNATE INSTALLATIONS MUST PROVIDE SYSTEM-WIDE EQUIVALENT CAPACITY AND AIRFLOW PERFORMANCE AS COMPARED TO THE DESIGNED CONDITION AND SHALL MEET OR EXCEPD ALL PLAN-SPECIFIED CRITERIA 	 GENERAL PROJECT INFORMATION: I.I. PROJECT SHALL CONFORM TO THE 2022 CMC, ITS REFERENCED STANDARDS, AND APPLICABLE LOCAL BUILDING DEPARTMENT STANDARDS. 	
 AIR TRANSFER ALTERNATES: AIR TRANSFER TO ENCLOSED ROOMS PROVIDED WITH ONLY SUPPLY OR EXHAUST SHALL BE ACHIEVED AS INDICATED ON THE PLANS, WHERE ROOM IS NOT ENCLOSED (NO DOOR) AIR TRANSFER MAY BE OMITTED. ACCEPTABLE ALTERNATE METHODS FOR ACHIEVING TRANSFER ARE AS FOLLOWS: 	I.2. DESIGN CRITERIA ARE AS FOLLOWS:	
2.1. DUCTED AIR TRANSFER: PROVIDE JUMP DUCT CONNECTING A CEILING OR WALL GRILLE IN THE ENCLOSED ROOM. DUCT/GRILLE TO MATCH SIZE OF SUPPLY AIR DUCT/GRILLE. CONNECT DUCT TO THE SAME SIZE CEILING OR WALL GRILLE IN AN ADJACENT HALLWAY (OR OTHER AREA PROVIDED WITH RETURN AIR). WHERE MULTIPLE JUMP DUCTS TIE INTO A SINGLE GRILLE PROVIDE MIN 4"X4" GRILLE AT THE JOINT TERMINATION WHEN POSSIBLE PROVIDE MIN 10'-0" LENGTH	CLIMATE ZONE IO DESIGN TEMPERATURES HEATING COOLING OUTDOOR DRY BUI B 25° F 90° F	
TO LIMIT NOISE TRANSFER. 2.2. TRANSFER GRILLES: PROVIDE THROUGH-WALL TRANSFER GRILLE EACH FACE OF WALL, GRILLE TO MATCH SIZE OF SUPPLY AIR GRILLE IN ROOM. INSTALL CENTERED OVER THE DOOR (ABOVE THE DOOR HEADER), UNO.	INDOOR DRY BULB 68° F 75° F INDOOR RELATIVE HUMIDITY 50	μ
2.3. UNDER-CUT DOORS: DOORS OF ENCLOSED ROOMS TO BE UNDER-CUT BY 2" ABOVE ANY FLOOR OR THRESHOLD OBSTRUCTION, THIS MAY BE DECREASED PROVIDED THE UNOBSTRUCTED AREA OF UNDER-CUT MEETS OR EXCEEDS THE NET-FREE AREA OF SUPPLY GRILLE IN ROOM.	PRESSURE 0.3"	s0 .cor
2.4. AT BUILDER OPTION, AIR TRANSFER DUCT/GRILLES OR UNDER-CUT DOORS MAY BE OMITTED OR REDUCED PROVIDED BUILDER & CONTRACTOR ARE AWARE OF POTENTIAL FOR SYSTEM IMBALANCE AND RESULTING COMFORT ISSUES. IF SUCH ISSUES ARISE, BUILDER/CONTRACTOR TO RESOLVE.	PLAN HEATING COOLING WHOLE SIZE AIRFLOW PRESSURE DROP ZONE DESCRIPTION DAMPER STOP	.143 Ioan
 ZONING MODIFICATIONS: AT BUILDER OPTION, MULTIPLE ZONE SYSTEMS MAY BE INSTALLED AS SINGLE ZONE. FOLLOWING CHANGES SHOULD BE MADE: 3.1. OMIT THERMOSTAT IN SECONDARY ZONE(S). 	PLAN I 29,700 18,200 105 CFM 14X14 200 .12 1 N/A N/A	.877 877
 3.2. REPLACE MULTIPLE ZONE PLENUM AND MOTORIZED DAMPERS WITH SINGLE ZONE PLENUM AND MANUAL DAMPERS. 3.3. OMIT RELIEF DUCT AND DAMPER WHERE OCCURS. 4. DAMPER CONTROL MODIFICATIONS: AT BUILDER OPTION DAMPER CONTROL SYSTEM CONSISTING OF MOTORIZED DAMPERS 	PLAN IALT-A 28,900 17,800 105 CFM 14X14 200 .12 1 N/A N/A	al ical g 800 rrise
AND CONTROL BOARD (ZONE FIRST OR EQUIVALENT) MAY BE INSTALLED. FOLLOWING CHANGES MAY BE MADE: 4.1. OMIT RELIEF DUCT AND DAMPER, WHERE OCCURS. 4.2. DAMPER STOP REQUIREMENTS DO NOT APPLY	PLAN 2 29,300 19,500 115 CFM 14X14 200 .12 1 2ND FLOOR 35%	ictur. chan ctrica nbin free v.ha
	1. SEE SHEET MN.1, SECTION 2.4 FOR VENTILATION CALCULATION CEM REQUIRED PER TITLE 24 CF-IR MAY BE LOWER DEPENDANT ON TYPE OF VENTILATION UTILIZ	Stru Mec Elec Plur toll 1 ww
2.1 FORCED AIR UNIT (FAU) & FAN COIL (FC) I. GENERAL REQUIREMENTS:		Dr.
I.I. PROVIDE MIN 22"X30" ACCESS LARGE ENOUGH TO ACCOMMODATE THE REMOVAL OF THE LARGEST COMPONENT OF EQUIPMENT. LOCATE ACCESS MAX 20'-0" FROM EQUIPMENT UNLESS PASSAGEWAY HEIGHT IS OVER 6'-0". PROVIDE CONTINUOUS SOLID FLOORING NOT LESS THAN 24" WIDE FROM ACCESS TO EQUIPMENT.		aks [9583 .280 287
 1.2. PROVIDE A LEVEL WORKING PLATFORM MIN 30" IN DEPTH, WIDTH, AND HEIGHT ALONG SERVICE SIDE OF EQUIPMENT FOR MAINTENANCE. 1.3. DUCTS AND PLENUMS SHALL BE CONSTRUCTED, INSTALLED, SEALED, AND INSULATED IN ACCORDANCE WITH THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS SEE SECTION 31 FOR ADDITIONAL REQUIREMENTS 	I.1. THE PROJECT DECLITENTS HAT NOT E OF THE DIGINEER. WITHOUT PRIOR WRITTEN APPROVAL FR IT HE ENGINEER. I.2. THIS IS A "BUILDER'S SET PRODUCED SOLELY FOR USE BY A KNOWLEDGEABLE AND EXPERIENCED CONTRACTOR.	y Oa CA (921
1.4. PROVIDE A PERMANENT 110V ELECTRICAL OUTLET AND LIGHTING FIXTURE AT OR NEAR EQUIPMENT. LIGHTING FIXTURE SHALL BE CONTROLLED BY SWITCH. SWITCH TO BE LOCATED AT ACCESS POINT WHEN EQUIPMENT IS INSTALLED IN ATTIC.	1.3. THESE PLANS CONTAIN INFORMATION OF ON SECTION SPECIFICATIONS PROVIDED. DETAILS OF CONSTRUCTION NOT FULLY NOT EXTENSIVELY DETAILED NOR ARE COMPLETE SPECIFICATIONS PROVIDED. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE BAME NATURE AS SHOWN FOR SAME OR SIMILAR CONSTRUCTION SHOWN ELSEWHERE WITHIN THE PLAN SET. FOR ITEMS, METHODS AND/OR MATERIALS NOT SPECIFIED WITHIN THE SET, THE MIN REQUIREMENT OF	ewa nto, 916
2. CONSTRUCTION REQUIREMENTS: 2.1 FOR FAU EQUIPMENT, SEALED COMBUSTION AIR DUCTWORK AND VENTS SHALL BE OF THE MATERIALS AND METHODS APPROVED BY THE AUTHORITY HAVING JURISDICTION, AND THE EQUIPMENT MANUFACTURER'S INSTALLATION	I.4. THE ENGINEER PROVIDES NO WARRANTY OR GUARANTEE ON THE FINAL PROJECT, NOR DUTY TO ANY PERSON OR ENTITY BEYOND THE AFOREMENTIONED LIMITED INFORMATION OF THESE PLANS.	Gat ame tel fax
INSTRUCTIONS. WHERE SEALED COMBUSTION EQUIPMENT IS NOT SPECIFIED, PROVIDE COMBUSTION AND MAKEUP AIR PER CMC SECTION 701. 2.2 FOR FAU EQUIPMENT, COMBUSTION VENTS SHALL TERMINATE AT LEAST 2'-0" ABOVE THE HIGHEST POINT WHERE IT	2. CONTRACTOR REQUIREMENTS: 2.1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE QUALITY AND CONSTRUCTION STANDARDS FOR THIS PROJECT. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS.	2295 Sacri
PASSES THROUGH THE ROOF OF A BUILDING, AND BE AT LEAST 2'-0" HIGHER THAN ANY PORTION OF THE BUILDING WITHIN A HORIZONTAL DISTANCE OF 10'-0". WHERE VENT TERMINATES MORE THAN 8'-0" FROM VERTICAL WALL, OR SIMILAR OBSTRUCTION, VENT TERMINATION MAY BE REDUCED PER CMC SECTION 802.6.2.	 2.2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ETC. 2.3. ANY OR PART OF ALL SYSTEMS, MATERIALS, CONNECTIONS AND DETAILS NOT SPECIFICALLY PROVIDED IN THESE PLANS ARE THE SOLE AND COMPLETE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY VERIFY AND INSTALL. 	
AGAINST SUCH DAMAGE BY PROTECTIVE BARRIERS OR BY BEING ELEVATED OR LOCATED OUT OF THE NORMAL PATH OF VEHICLES. SUCH EQUIPMENT SHALL BE INSTALLED SO THAT THE PILOTS OR BURNERS ARE AT LEAST 18" ABOVE THE FLOOR LEVEL PER CMC SECTION 305.1. WHERE INSTALLED IN CLOSET, DOORS TO BE SEALED AIR TIGHT.	2.4. CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT, UNTIL CONFLICT IS RESOLVED BY THE AFFECTED PARTIES.	
 2.4 HVAC UNITS MAY BE INSTALLED IN, OR BE ACCESSIBLE THROUGH, BEDROOMS, BATHROOMS, OR WARDROBE CLOSETS IF INSTALLED PER CMC SECTION 904.1. 2.5 PROVIDE 3/4" PVC CONDENSATE DRAIN FROM COOLING COIL TO CLOSEST LAVATORY DRAIN TAIL PIECE, UNO. 	2.5. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HAS NOT BEEN CONSIDERED BY THE MECHANICAL ENGINEER. 2.6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ENGINEER OR ARCHITECT FOR ANY REQUIRED	రం 📕
2.6 PROVIDE WATER TIGHT CORROSION-RESISTANT PAN BELOW COOLING COIL W/ 3/4" PVC DRAIN LINE W/ MIN 1/8" PER 1'-0" SLOPE TOWARDS DRAIN TO EXTERIOR POINT THAT IS READILY OBSERVED OR PROVIDE WATER DETECTING DEVICE THAT WILL SHUT OFF EQUIPMENT WHEN WATER IS DETECTED.	2.7. THE GENERAL CONTRACTOR AND ITS SUB-CONTRACTORS MUST SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS THAT ARE SUBMITTED TO THE ENGINEER OF RECORD FOR ITS REVIEW DO NOT CONSTITUTE "IN WRITING". CHANGES TO THE PLANS AND SPECIFICATIONS BY MEANS OF SHOP DRAWINGS	S S S S S S S S S S S S S S S S S S S
 ALTERNATES & MODIFICATIONS: ALTERNATE LOCATIONS LOCATION OF EQUIPMENT ON PLAN IS DIAGRAMMATIC IN NATURE AND MAY BE ADJUSTED FOR OPTIMAL FIT. 	BECOME THE RESPONSIBILITY OF THE PERSON INITIATING SUCH CHANGES. 2.8. THE HERS RATER AND THE CONTRACTOR SHALL SUBMIT ALL THE REQUIRED AND CURRENTLY APPROVED FORMS TO THE REQUIRED PARTIES AFTER TESTING OR INSTALLATION. A REGISTERED COPY OF REQUIRED FORMS SHALL BE SUBMITTED	rri
CONTRACTOR SHALL VERIFY THAT ADJUSTED EQUIPMENT LOCATION DOES NOT NEGATIVELY IMPACT THE PERFORMANCE OF THE OVERALL SYSTEM. 3.1.2. CONTRACTOR SHALL FIELD VERIFY EQUIPMENT CLEARANCE, MAINTENANCE AREA, & ACCESS TO EQUIPMENT PRIOR TO RELOCATION	AND DIAGNOSTIC TESTING AS REQUIRED. 2.9. ALL HIGH VOLTAGE POWER WIRING, DISCONNECTS, AND CONDUIT TO BE INSTALLED BY ELECTRICAL CONTRACTOR. ALL LOW VOLTAGE CONTROL WIRING FOR HVAC EQUIPMENT TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.	ງອ
3.2. ALTERNATE EQUIPMENT 3.2. EQUIPMENT SUBSTITUTIONS SHALL MEET OR EXCEED THE DESIGN SPECIFICATIONS FOR SEER2/EER2 ¢ AFUE/HSPF2, SHALL MATCH NOMINAL TONNAGE OF FOULDMENT SPECIFIED, AND SHALL PROVIDE FOULVALENT SYSTEM PERFORMANCE	2.10. MECHANICAL INSTALLERS MUST BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED PROGRAM OR UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR	
PER THE REQUIREMENTS OF SECTIONS 1.4 ¢ 1.5. 3.2.2. COOLING COIL: SUBSTITUTION NOT TO EXCEED "WET" COIL AIR PRESSURE DROP OF COIL SPECIFIED ON PLANS. 3.2.3. ALL EQUIPMENT MUST HAVE VALID AHRI CERTIFICATION AT TIME OF INSTALLATION.	LICENSED TO INSTALL HVAC SYSTEMS. SEE CALGREEN 702.1 FOR ACCEPTABLE TRAINING PROGRAMS. 2.11. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, THE PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED TO THE SUFER METAL AND AND AND AND AND ADDROR ASSOCIATION	■ 100
	1 2 TVDICAL ADDDEL/LATIONS	ENS 11 SUITI 131
2.2 CONDENSER (CU) & HEAT PUMP (HP)	I.3 ITPICAL ADDREVIATIONS A/A ATTIC ACCESS CU CONDENSING UNIT (N) NEW ABV ABOVE DIA DIAMETER NFPA NATIONAL FIRE PROTECTION	ARD 9207 COA VD 8 VD 8
 I.I. WATERPROOF GFI EQUIPMENT OUTLET REQUIRED WITHIN 25'-0" MAX DISTANCE FROM UNIT. I.2. PROVIDE EQUIPMENT DISCONNECT PER CEC SECTION 440.11. MOUNT TO WALL OR FREESTANDING MOUNTING SUPPORT, (UNISTRUT PIOOD OR FOULD) MOUNTING HEIGHT TO BE BETWEEN 1'-6" AND 4'-0" ABOVE FINISH FLOOR 	ACCA AIR CONDITIONING CONTRACTORS DBL DOUBLE ASSOCIATION OF AMERICA DN DOWN NTS NOT TO SCALE AFF ABOVE FINISHED FLOOR (E) EXISTING OC ON CENTER	T G/ , CA , CA , CA , CA
 CONSTRUCTION REQUIREMENTS: 2.1. REFRIGERANT PIPING LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS OR SHALL BE PROTECTED FROM UNAUTHORIZED ACCESS BY A MEANS ACCEPTABLE TO THE AUTHORITY HAVING UNISDICTION PER 	AFUE ANNUAL FUEL UTILIZATION EA EACH OSA OUTSIDE AIR EFFICIENCY EER ENERGY EFFICIENCY RATIO PBD PARALLEL BLADE DAMPER AHRI AIR CONDITIONING, HEATING, AND EF EXHAUST FAN PERP PERPENDICULAR	DEC DEC
CMC SECTION 1105.11. 2.2. FOR CONDENSERS & HEAT PUMPS, THE SUCTION REFRIGERANT LINE FROM THE INDOOR COIL TO THE OUTDOOR UNIT SHALL BE INSULATED WITH MIN R6 INSULATION. INSULATION USED FOR REFRIGERANT SUCTION LINES SHALL BE WATER	REFRIGERATION INSTITUTE ELEV ELEVATION PL PLATE AIRFLOW AIR FLOW ERV ENERGY RECOVERY VENTILATOR POC POINT OF CONNECTION ALT ALTERNATE EQ EQUAL PSI POUNDS PER SQUARE INCH ANSI MERICAN NATIONAL E CEMIL PSI POUNDS PER SQUARE INCH	OSF SAN HC AN E
RETARDANT AND PROTECTED FROM PHYSICAL DAMAGE AND UV DETERIORATION. 2.3. PROVIDE PIPING SLEEVE FOR REFRIGERANT PIPING THAT RUNS BELOW GRADE OR THROUGH CONCRETE FLOOR. SLEEVE TO HAVE MIN 1/2" CLEARANCE AROUND PIPE INSULATION.	ANDI ALERICAN DATIONAL F CHTS REGUD REGULARED STANDARDS INSTITUTE F FAHRENHEIT SAD SEE ARCHITECTURAL DRAWINGS ASTM AMERICAN SOCIETY FOR FAU FORCED AIR UNIT SEER SEASONAL ENERGY EFFICIENCY TESTING AND MATERIALS FUL COMBINATION RATING	5 MIF
2.4. AN EQUIPMENT PAD SHALL BE PROVIDED FOR GRADE MOUNTED CONDENSERS & HEAT PUMPS MIN 6" WIDER THAN THE CONDENSER IN ALL DIRECTIONS, 4" THICK AND MIN 3" ABOVE ADJACENT GRADE. REFER TO MANUFACTURER'S REQUIREMENTS FOR CLEARANCES.	BLKG BLOCKING GA GAUGE SMACNA SHEET METAL AND AIR BLW BELOW GALV GALVANIZED CONDITIONING CONTRACTORS BTU BRITISH THERMAL UNIT HOOD KITCHEN HOOD VENT NATIONAL ASSOCIATION	CLIENT
 2.5. WHERE PIPING RUNS VERTICALLY THROUGH WALL, BORE/NOTCH TOP PLATES PER STRUCTURAL PLANS. 2.6. REFRIGERANT PIPING TO BE SECURELY FASTENED TO FRAMING WITHIN 6'-0" OF FIRST BEND FROM CONDENSER, WITHIN 2'-0" OF EACH SUBSEQUENT BEND, AND AT POINTS NO MORE THAN 15'-0" APART. SEE DETAIL E/MN.2. 	BTU/H BTU PER HOUR HORIZ HORIZONTAL SOV SHUT OFF VALVE CALGREEN CALIFORNIA GREEN BUILDING HRV HEAT RECOVERY VENTILATOR SQ FT SQUARE FEET STANDARDS HSPF HEATING SEASONAL STD STANDARD	PROJECT MANAGER: KL
 ALTERNATES & MODIFICATIONS: 3.1. ALTERNATE LOCATIONS 3.1.1. LOCATION OF EQUIPMENT ON PLAN IS DIAGRAMMATIC IN NATURE, VERIFY EXACT LOCATION WITH ARCHITECTURAL 	CBC CALIFORNIA BUILDING CODE PERFORMANCE FACTOR T & T OP & BOTTOM CEC CALIFORNIA ELECTRICAL CODE HVAC HEATING, VENTILATION, AND TYP TYPICAL CFH CUBIC FEET PER HOUR AIR CONDITIONING UNO UNLESS NOTED OTHERWISE	DESIGNER: VF
PLANS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY THAT ADJUSTED EQUIPMENT LOCATION DOES NOT NEGATIVELY IMPACT THE PERFORMANCE OF THE OVERALL SYSTEM. 3.1.2. CONTRACTOR SHALL FIELD VERIFY EQUIPMENT CLEARANCE, MAINTENANCE AREA, & LOT LINE SETBACKS PRIOR TO RELOCATION	CFM CUBIC FEET PER MINUTE IAQ INDOOR AIR QUALITY V VENT CL CENTERLINE IBC INTERNATIONAL BUILDING CODE VERT VERTICAL CLR CLEAR IBC INTERNATIONAL CODE COUNCIL V(R) VENT RISER CM FORMULA MECHANICAL CODE VENT NUMERICAL FORMULA NUMERICAL FORMULA VENT RISER	CHECKED BY: KL
KELOCATING.	CITIC CALIFORNIA TIECHANICAL CODE MER MANUFACTURER VTR VENT TO ROOF CONT CONTINUOUS MAX MAXIMUM VTW VENT TO WALL CPC CALIFORNIA PLUMBING CODE MIN MINIMUM WBV WHOLE BUILDING VENTILATION CRC CALIFORNIA RESIDENTIAL CODE MED MULTI SUBJECT DAMAGER	ISSUE DATE: 09-15-2023
2.3 DUCTLESS SYSTEM COMPONENTS	# POUND	I CLIENT REV II-08-2023
 I.I. PROVIDE ACCESS PER MANUFACTURER REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO CLEARANCES & ACCESS PANEL ACCESSORIES. ALTERNATES & MODIFICATIONS 	1.4 GENERAL MECHANICAL SYSTEM REQUIREMENTS	2 FW ¢ CLIENT 02-23-2024 REVS
 2. ALTERNATES & MODIFICATIONS: 2.1. ALTERNATE LOCATIONS 2.1.1. LOCATION OF EQUIPMENT ON PLAN IS DIAGRAMMATIC IN NATURE AND MAY BE ADJUSTED FOR OPTIMAL FIT. 	 HVAC SYSTEM DESIGNED PER ACCA MANUALS J (HEAT LOSS AND GAIN), D (DUCT SIZING), AND S (EQUIPMENT SIZING). MECHANICAL SYSTEM DESIGNED ACCOUNTING FOR EQUALIZED AIR PRESSURE, WHICH REQUIRES AIR TRANSFER TO ENCLOSED ROOMS PROVIDED WITH ONLY EVIALIST VENTILATION OR ONLY SUPPLY AIR AND WITHOUT PETILEN AIR ENCLOSED ROOMS PROVIDED WITH ONLY EVIALIST VENTILATION OR ONLY SUPPLY AIR AND WITHOUT PETILEN AIR 	
CONTRACTOR SHALL VERIFY THAT ADJUSTED EQUIPMENT LOCATION DOES NOT NEGATIVELY IMPACT THE PERFORMANCE OF THE OVERALL SYSTEM. 2.1.2. CONTRACTOR SHALL FIELD VERIFY EQUIPMENT CLEARANCE & ACCESS TO EQUIPMENT PRIOR TO RELOCATING.	 I.3. DESIGN IS BASED ON MAX SYSTEM AIR FILTER WITH INITIAL PRESSURE DROP AND UNIT EXTERNAL STATIC PRESSURE NOT TO EXCEED VALUES LISTED IN DESIGN CRITERIA SECTION 1.1. CONDENSING UNIT SENSIBLE CARACITY BASED ON OUTSIDE AND CONDITIONS, USING DRY BURD VALUES EDOM IN COLUMN. 	
2.2. ALTERNATE EQUIPMENT 2.2.1. EQUIPMENT SUBSTITUTIONS SHALL MEET OR EXCEED THE DESIGN SPECIFICATIONS FOR SEER2/EER2 & AFUE/HSPF2, SHALL MATCH NOMINAL TONNAGE OF EQUIPMENT SPECIFIED, AND SHALL PROVIDE EQUIVALENT SYSTEM PERFORMANCE	1.4. CONDENSING UNIT SENSIBLE CAPACITY BASED ON OUTSIDE AIR CONDITIONS, USING DRY BUED VALUES FROM 1% COLUMN. 1.5. ZONING: MULTIPLE ZONE CONTROLS ARE AS FOLLOWS: 1.5.1. IF A SINGLE ZONE REQUESTS HEATING OR COOLING THEN THE OTHER ZONE WILL HAVE THE DAMPER SET TO THE MIN	STAMP:
PER THE REQUIREMENTS OF SECTIONS 1.4 \$ 1.5. 2.2.2. ALL EQUIPMENT MUST HAVE VALID AHRI CERTIFICATION AT TIME OF INSTALLATION.	I.5.2. IF BOTH ZONES REQUEST EITHER HEATING OR COOLING THEN BOTH DAMPERS WILL BE FULL OPEN. I.5.3. IF ONE ZONE REQUESTS HEATING AND ANOTHER REQUESTS COOLING THEN THE ZONE THAT REQUIRES HEATING TAKES	Level BERT D. PEND FIELD
2.4 DAMPERS	PRECEDENCE. 1.5.4. CENTRALLY LOCATE THERMOSTAT IN ZONE, NOT NEAR OPERABLE WINDOW OPENINGS. 2. EQUIPMENT & LABELING REQUIREMENTS:	EXPIRES 09/30/24
 GENERAL REQUIREMENTS: I.I. DAMPERS TO BE ACCESSIBLE FOR ADJUSTMENT AND MAINTENANCE, WHERE NOT ACCESSIBLE THROUGH ATTIC BEHIND CEILING MOUNTED FAN/GRILLE, PROVIDE 14X14 WALL/CEILING ACCESS PANEL. PANEL TO HAVE SAME FIRE RATING AS 	2.1. THE SEER, EER, AND MANUFACTURER'S AFUE/HSPF RATINGS FOR THE MECHANICAL EQUIPMENT ARE BASED UPON MANUFACTURER'S AHRI CERTIFICATE AT TIME OF DESIGN. MANUFACTURER RESERVES THE RIGHT TO MODIFY/DELETE EQUIPMENT OR THE PRINTED EFFICIENCY RATINGS. PRIOR TO CONSTRUCTION CONTRACTOR SHALL VERIFY EQUIPMENT DATINGS MEET DATINGS EDECISED ON DUANS AND HAVE CURDENT AUDI CERTIFICATE	★ °#M18824 ★
WALL/CEILING, WHERE REQUIRÉD, SEE ARCHITECTURAL PLANS FOR FIRE RATING SPECIFICATIONS. 1.2. MANUAL VOLUME DAMPERS: 1.2. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL BOXES DIFFUSERS GRILLES	2.2. ANY APPLIANCE FOR WHICH THERE IS A STATEWIDE OR FEDERAL STANDARD ESTABLISHED IN THE APPLIANCE EFFICIENCY REGULATIONS MAY BE INSTALLED ONLY IF THE APPLIANCE IS LISTED WITHIN THE APPLIANCE EFFICIENCY DATABASE.	CALIFOR.
AND REGISTERS AND SHALL BE LOCKED IN THE FINAL POSITION AFTER COMPLETION OF AIR BALANCE. SEE ARCHITECTURAL PLANS AND ACOUSTICAL REPORT (WHERE OCCURS) FOR ACOUSTICAL REQUIREMENTS. 1.2.2. MANUAL DAMPERS MAY BE OMITTED WHERE INSTALLER IS ABLE TO BALANCE SYSTEM WITHOUT USE OF DAMPER.	2.3. AIR FILTER LOCATIONS SHALL BE LABELED WITH DESIGN AIRFLOW & MAX ALLOWABLE CLEAN FILTER PRESSURE DROP VISIBLE TO PERSON REPLACING FILTER.	PLAN NUMBER:
1.3. MOTORIZED DAMPERS: 1.3.1. INSTALL A MOTORIZED DAMPER AT THE TRUNK OF EACH ZONE OF MULTI-ZONE SYSTEMS.	AND PRESSURE DROP RATING. 2.5. A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT AND OPERATION AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE OWNER.	SHEET
 I.S.2. DATPER TO HAVE EXTERNAL FLOORTED FORE ACTUATOR, INSTALLED IN FLOATING FOSTION WITH DATPER STOP I.S.2. INSTALLED AS SPECIFIED IN SECTION 1.1. I.4. BAROMETRIC DAMPERS: 	 GENERAL INSTALLATION REQUIREMENTS: INSTALL ALL EQUIPMENT, MATERIALS, APPLIANCES, AND MANUFACTURED COMPONENTS IN ACCORDANCE WITH CODE CRITERIA SPECIFIED IN SECTION 1.1 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. A COPY OF THE INSTALLATION 	
 I.4.1. ADJUST COUNTERWEIGHT AS NEEDED TO ACHIEVE THE AIRFLOW SPECIFIED ON PLANS WHEN SMALLEST ZONE IS CALLING FOR SUPPLY AIR. I.5. FIRE DAMPERS: 	INSTRUCTIONS SHALL BE AVAILABLE TO THE INSPECTOR AT THE TIME OF INSPECTION. WHERE A CONFLICT OCCURS BETWEEN PLANS AND MANUFACTURER'S INSTRUCTIONS, THE MOST STRINGENT REQUIREMENTS APPLY. 3.1.1. CONTRACTOR TO ENSURE SYSTEM CAN BE BALANCED AND AIRFLOWS SHOWN ON PLANS ARE PROVIDED TO EACH	STANDARD
1.5.1. PROVIDE FIRE DAMPER AND/OR FIRE SMOKE (CALIFORNIA STATE FIRE MARSHALL APPROVED) AT EVERY PENETRATION OF A FIRE/SMOKE RATED PARTITION. DAMPER TO HAVE SAME FIRE RATING AS PARTITION, SEE ARCHITECURAL PLANS FOR SPECIFICATIONS.	3.1.2. INSTALLATION OF HVAC SYSTEMS SHALL ENSURE PROPERLY BALANCED AND QUIET OPERATION. VIBRATION ISOLATION OF MECHANICAL EQUIPMENT SHALL BE INCORPORATED INTO THE INSTALLATION.	NOTES
 1.5.2. FIRE DATIFIERS SHALL BE INSTALLED IN ACCORDANCE WITH NEPA 90A & MANDRACTURER'S INSTRUCTIONS, BE UL-555 LISTED, AND BE RATED FOR THE SAME DURATION AS THE FIRE ASSEMBLY BEING PENETRATED. 1.5.3. FIRE RATED ACCESS IS REQUIRED AT EACH DAMPER. ACCESS MAY BE PROVIDED THROUGH ATTIC ACCESS, REMOVABLE GRILLE. OR CELLING ACCESS PANEL. 	 3.1.3. ANCHOR OR STRAP HVAC UNITS TO STRUCTURE PER MANUFACTURER'S SPECIFICATIONS TO RESIST HORIZONTAL AND VERTICAL LOADS PER CMC SECTION 303.4. 3.2. EQUIPMENT, DUCTS, GRILLES ETC, SHALL BE PLUMB, LEVEL, SQUARE OR CENTERED ETC, TO PROVIDE A NEAT AND ADDITIONAL AND A	
I.5.4. AT ATTIC APPLICATIONS WHERE DUCT DOES NOT PASS THROUGH CEILING, A RADIATION DAMPER MAY BE USED AS AN ALTERNATE TO THE FIRE DAMPER.	 ALL CUTTING, NOTCHING, BORING OF FRAMING MUST MEET REQUIREMENTS OF STRUCTURAL CONSTRUCTION DOCUMENTS OR BE OTHERWISE APPROVED BY STRUCTURAL ENGINEER OF RECORD PRIOR TO CONSTRUCTION. 	^{SCALE:} 1/4" = 1'-0"
I.G.I. RADIATION DAMPERS SHALL UL-555C RATED HINGE DOOR TYPE DAMPERS. DAMPER TO HAVE SAME FIRE RATING AS PARTITION, SEE ARCHITECURAL PLANS FOR SPECIFICATIONS.	 3.4. ALL GAS AND CONDENSATE PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CPC AND APPLICABLE LOCAL BUILDING DEPARTMENT STANDARDS. 3.5. UNTIL FINAL STARTUP OF THE HVAC EQUIPMENT, ALL AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE. PLASTIC. SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION TO REDUCE 	SHEET NUMBER:
	THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM PER CALGREEN 4.504.1. 3.6. HVAC EQUIPMENT SHALL NOT BE USED FOR "DRY-OUT" OF SHEET ROCK.	MN 1

IOB NUMBER: HS23369









OPT. BEDRM. 5 W/ BATH 3



(ELEV B SIM)





OPT. BEDRM. 5 W/ BATH 3



(ELEV B SIM)

		KE	YN	OTES					GE	NEF	RAL NOTES	FOR .	JURISDI	CTION U	ISE:
6 BP DBM 12 DDS	ORE/NOTCH ASS AC LIN UCTED AIR E OMITTED N.I, SECTIO UCTED AIR ETAIL 2007 PECIFICATIO	I WALL TOP NESET. WHERE DOO DN 1.5 FOR S TRANSFER MD.1. SEE P DNS AND AL	PLAT SYST OR IS SPECIF FOR 1N.I, S .TERN	TES PER S NOT INST FICATIONS DRYER MA SECTION 3 ATES	DETAIL : ALLED , AND AL AKE UP . .3 FOR	RAL PLA 200/MD. AT ROOT TERNAT AIR. SEE	. MAY 1. SEE ES	I. II IS THE TO REVIEW INCORPORA 2. PRIOR TO CONSTRUC SHALL NOT BIDS PERF RESPONSIE	ALL NOTE TE IN THE BUILDING E TION DOCUT BUSED FORMED BEF BILITY OF T	CONS CONS DEPAR 1ENTS FOR FOR HE CC	WNERS/DEVELOPERS RESPONSIBILITY D DETAILS ON THE MN SHEETS AND TRUCTION OF THE STRUCTURE. TMENT APPROVAL, THESE DARE SUBJECT TO CHANGE AND CONSTRUCTION. ANY CONSTRUCTION/ PERMIT ISSUANCE IS THE DNTRACTOR/BIDDER. SPECIFICATIONS				
(31) 4 3	" DIA DRYE 00/MD.I	ER VENT. RO	DUTE	TO ROOF,	UNO. SI	ee deta	IL	MECHANICAL	EQUIPMENT	<u>.</u>		1			
(33) E 5 (33A) V P	XHAUST VE INGLE VEN ⁻ ENT THROL ROVIDE BLI	NT WYE, SI T TO ROOF, JGH WALL FI OCKING ABO	ZE AS UNO RAMIN VE \$	S NOTED C IG, DO NO BELOW VE	N PLANS T CUT S NT AS F	5. ROUT STUDS. REQUIRE	E D PER	INDOOR UNIT FAN COIL (FO DETAIL 2/MD 2.1/MN.1 FOR FOR PROJECT	5 C) LOCATEL 1 FOR INS EQUIPMENT 1 DESIGN R	D IN A TALLA SPEC EQUIR	ATTIC, ATTACHED TO PLATFORM. SEE TION REQUIREMENTS & SECTION CIFICATIONS. SEE SECTION 1.1/MN.1 REMENTS.				0 .com
А (40В) Т	RCHITECTU	RAL OR STR	TER	HEATER P	IS ER PLUM	1BING PI	ANS.	OUTDOOR UN HEAT PUMP WALL OF UNI	<u>ITS</u> (HP) LOCA ⁻ T. SEE DE ⁻	TED C FAIL IC	N GROUND, ADJACENT TO EXTERIOR 0/MD.1 FOR INSTALLATION				.143 oan
G	ARAGE OR	CLOSET W/	FULLY	LOUVERE	D DOOR	TALLED	IN	REQUIREMEN SPECIFICATIC SUPPLY/RET	TS & SECTIO NS. <u>URN:</u>	ON 2.2	2/MN.I FOR EQUIPMENT				877 ndsl
								DUCTS TO B ALL DUCTS INSULATION	E FLEXIBLE 8" OR LARG AT ALL DUG	, UNC FER T CTS. S) ON PLANS. 90 DEGREE ELBOWS FOR 0 BE RIGID. PROVIDE MIN R6 3EE MN.I SECTION 3.4 FOR		ical	; D	800. rrisa
								PROVIDE 2" I MN.I SECTION	DEEP MERV 1.1. FOR LA	13 AIR BELIN	R FILTER AT RETURN GRILLES, SEE G REQUIREMENTS SEE MN.I SECTION 1.4.	Ictur	chan Arice	nbin	free v.ha
					Г			EXHAUST:	NING VENTIL		N, DESIGNATED AS "ERV" ON PLANS, RUNNING BALANCED FRV SYSTEM	Stru	Med	Plur	toll ww
							INT	ERV SCI	HEDULE ON	PLAN	S FOR SPECIFICATIONS. SEE SECTION 2.5/MN.I FOR FAN		Dr.	33	00 878
					+	4			MN.I FOR G	RILLE	SPECIFICATIONS.		aks	958	1.28(1.28
						03	/05/202	SOLAR PANE ORIENTATION 4 9:26:26 AI	LS PROVIDI OF STRUC VI	ED <i>O</i> N TURE,	I ROOF, LOCATION VARIES BASED ON , SEE PLANS PROVIDED BY OTHERS.		ay O	, CA	5.92 ⁻ 6.92
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C	Sant	ee								ENOTE EFER	S DETAIL REFERENCE. TO DENOTED SHEET #.				8
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UILDING I O THE FOL lans are ac	NSPECTION DI LOWING:	VISION SUBJECT	r t					D -			— SUPPLY DUCT — SUPPLY DUCT (DROPPED CEILING)				ari
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atermarki vateriatio	ng of thes ns SHALL NOT I	se plans and be held to permit	t					— — D— —	DD	-	- RETURN DUCT (DROPPED CEILING)				100
r approve ounty, St estrictions	e the violatio ate, Federal	n of any City Laws or othe	, r					D -	— · — D —		- EXHAUST VENT/JUMP DUCT	SN SN		STA	JITE 31
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RF	COVER			TION FA	AN SC	HEDI	ЛЕ		NALL	۹	AIR TRANSFER GRILLE, SAME SIZE AS SUPPLY GRILLE IN ROOM, SEE MN.1, SECTION 2.3	F	LEVS		J2-25-2024
TYPE	MAKE	MODEL		c	OMMENT	5			E>	(HAUS	T FAN				
/ERV			INST	ALL WALL	CONTRO	DL W/ F	D PER		MOTORIZED			STAM	P:		
1. SEE	MN.1 FOR	T24 CFM RE	370/1 EQUIRI	EC REQUIRI 1D.1 FOR F	ROUTING	REQUIR	EMENTS		BAROMETRIC	•	- DAMPERS, SEE MN.1, SECTION 2.5		RED PF	OFESS/	MAL CU
		FAN	SCF	HEDULE	= 1			T	T+	HERMC	DSTAT, SEE MN.1, SECTION 2.6		TEN 151	EXPARES	ACO NEER
TYPE	MAKE MODEL		AN rpe	SONES	CFM ³	ENERGY USE (WATTS)	GRILLE SIZE	5	SI	10KE S=9 C=0	AND CARBON MONOXIDE DETECTORS, 5MOKE DETECTOR CARBON MONOXIDE DETECTOR		× 34	9/30/2 M1882	4 4 ★
EF	BROAN	CEI MOU	LING NTED	2.0	67	43.1	12"x12"	\bigcirc	WI	S/C HOLE	C=COMBO DETECTOR HOUSE FAN		ALE OF	CALI	FORM
50	A80	EXH,							TO ABOVE			PLAN NUMB			
	QTXEII0	S MOU EXH,	NTED AUST	0.7	86	31.4	13"x14"		FROM BELOW	-	- SUPPLY/RETURN DUCT RISER	SHEE	<u>'LAN</u>	<u>11</u>	LT-A
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OPT. DEN W/ POWDER









OPT. BED 6

(ELEV B SIM)









I_ROOP AREA APPLIANCE SPEC: WATER HEATER COORING APPLIANCES DRYER 2,147 SF 2,267 SF 2,85 2,85 2,85 2,85 2,85 2,85 2,85 2,85	APLANCE SPEC 2.14" SF 2.20" SF 2.8 MARTER HEATER TANKED HEAT PLAN TANKED HEAT PLAN TANKED HEAT PLAN MAR HANDERS ELECTINC CTORON ELECTINC CONTROL MAR HANDER WITT CUSTOM CUSTOM CUSTOM CUSTOM LOAD 3.880VA 3.880VA 3.880VA 100/40V H3 100/40V H3 ERF 1.0000V 1.0000VA 1.0	DWELLING INFORMATION PLAN #	SINGL	E FAMILY 1A	SINGL	E FAMILY 1	SING	LE
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REMAINDER @ 40% 17,811VA 17,955VA DEMAND LOADS 27,811VA 27,955VA EV CHARGER (#0a LOAD/BGA CIRCUIT) 1 9,600VA 1 9,600VA 1 HVAC LOAD FORCED AIR UNIT 1 1,008VA 1 1,008VA 1 FORCED AIR UNIT 1 1,008VA 1 1,008VA 1 HEAT PUMP 1 3,960VA 1 3,960VA 1 MAJOR LOADS 14,868VA 14,868VA 1 1071AL CONNECTED LOAD 69,366VA 69,366VA TOTAL DEMAND LOAD 42,679VA 42,823VA 1071AL CONNECTED LOAD 42,679VA 42,823VA TOTAL DEMAND LOAD 42,679VA 42,823VA 107AL 268VA 178A SERVICE SIZE 200A 200A 200A 200A	REMANDER @ 40% 17.811VA 17.955VA MAUGE LOADS 27.957VA MUCK LOADS 1 9.600VA 1 HYCK LOAD 1 1.008VA 1 1.008VA 1 HYCK LOADS 1 1.008VA 1 1.008VA 1 1.008VA 1 HYCK LOAD 1 1.008VA 1 1.008VA 1 1.008VA 1 MAUGE LOAD 1 3.900VA 1 3.90VA	DEMAND LOAD: (CEC 220.82(B)) 1ST 10KVA @ 100%		10,000VA		10,000VA		
IMJOR LOADS: 1 9,600VA 1 9,600VA 1 PORCED AIR UNIT 1 1,008VA 1 1,008VA 1 HAT PUMP 1 3,960VA 1 3,960VA 1 MAJOR LOADS 1 3,00VA 1 3,00VA 1 MAJOR LOADS 1 3,00VA 1 3,00VA 1 MAJOR LOADS 14,868VA 14,868VA 1 3,00VA 1 TOTAL CONNECTED LOAD 69,366VA 69,766VA 10,758 10,742 2,823VA 10,742 TOTAL DEMAND LOAD 12,679VA 12,823VA 178A 178A 178A SERVICE SIZE 200A 200A 200A 200A 200A 200A	MURCHARGER (doi LOADIGO CIRCUIT) HVAC LOAD FORCED AIR UNIT HEAT PUMP HEAT	REMAINDER @ 40%		17,811VA 27,811VA		17,955VA 27,955VA		
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HEAT PUMP 1 3.960VA 1 3.960VA 1 MAJOR LOADS 14.868VA 14.868VA 14.868VA 14.868VA TOTAL CONNECTED LOAD 69.396VA 69.396VA 42.623VA 1 TOTAL DEWAND LOAD 42.623VA 1 778A 178A 178A SERVICE SIZE 200A 200A 200A 200A 200A 200A	HEATPUMP 1 3.980VA 1 3.980VA 1 MAJOR LOADS 14.888VA 14.888VA 14.888VA 14.888VA TOTAL CONNECTED LOAD 68.386VA 69.786VA 1 2000A 1 TOTAL DEMAND LOAD 14.2679VA 42.673VA 42.673VA 42.673VA 1 2000A 1 SERVICE SIZE 200A 200A 200A 200A 200A 200A UNIT LOAD/FEEDER CALCULATIONS	HVAC LOAD FORCED AIR UNIT	1	1,008VA	1	1,008VA	1	
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IOTAL DEMAND LOAD SERVICE SIZE 178A 200A 42,873VA 200A 178A 200A UNIT LOAD/FEEDER CALCULATIONS	IDTAL DEMAND LOAD SERVICE SIZE UNIT LOAD/FEEDER CALCULATIONS UNIT LOAD/FEEDER CALCULATIONS UNIT LOAD/FEEDER CALCULATIONS UNIT LOAD/FEEDER CALCULATIONS	MAJOR LOADS		14,868VA 69,396VA		14,868VA 69,756VA		
UNIT LOAD/FEEDER CALCULATIONS	INTERSYSTEM BONDING THE PAYSTEM BONDING THE PAYST	TOTAL DEMAND LOAD TOTAL DEMAND IN AMPS		42,679VA 178A		42,823VA 178A		
	INTERSYSTEM BONDING DEVICE (2) # 6 CU GROUND TO TELEPHONE SERVICE BOX. # 4 CU GROUNDING ELECTRODE CONDUCTOR TO CONCRETE ENCASED ELECTRODE. # 4 CU BOND TO BUILDING INCOMING METAL COLD WATER PIPE 4 GAS PIPE WITHIN 5' OF POE. PROVIDE MINIMUM 20' # 4 BARE CU "UFER" GROUND AT GARAGE INSTALL IN BUILDING FOR LOCAL SERVICE DEVELOPMENTS. PROVIDE MINIMUM 20' # 4 BARE CU "UFER" GROUND AT GARAGE INSTALL IN BUILDING FOR DAT GARAGE INSTALL IN BUILDING FO							
OF ELECTRODES. SOLAR FEED SOLAR FEED GGO ROUTED THROUGH STUD BAY FOR ACCESS PANEL TO FUTURE INTERCONNECT OF ELECTRODES. MAIN PANEL I'XI' PROVIDE PANEL WITHIN STUD BAY FOR FUTURE INTERCONNECT OF ESS SYSTEM. PROVIDE ADDITIONAL J-BOX AT 18"AFF WITHIN THE SAME STUD BAY. GGO VID BAY. GGO AG CONDUIT & CONDUCTOR SIZES		INTERSYSTEM BONDING DEVICE (2) # 6 CU GROUND TO TELEPHONE SERVICE BOX 4 CABLE SERVICE DX # 4 CU GROUNDING ELECTRODE ENCASED ELECTRODE # 4 CU GROUNDING FUNDATION WATER PIPE 4 GAS PIPE WITHIN 5' OF POE WITHIN 5' OF POE WITHIN 5' OF POE WITHIN 5' OF POE ENCASED CONTON AT GARAGE CU "UFER" GROUND TO TO CONCRETE REDAR IS USED AS GROUNDING ELECTRODE, DO NOT USE REDAR ELECTRODE, DO NOT USE REDAR CU "UFER" GROUND AT GARAGE OF ELECTRODES OF ELECTRODES SOL ROUTED OF ELECTRODES SOL ROUTED OF ELECTRODES SOL ROUTED OF ELECTRODES TAG CONDUCT 4 CONDUCTOR SIZES	LAR FEED THROUGH PANEL TO ANN PANEL STALLER)	PANEL PANEL DGO PANEL UP' PANEL DGO PANEL PANEL PANEL	 INCOMIN BY LOC UTILITY METER SERVIC REQUIR METER/IC RESIDE TO ARC DRAWIN LOCATIO 225A B TYPE I COMPL F 3' OF MAIN PLOUDE AN STUD BAY PROVIDE F 3' OF MAIN LOCATIO PROVIDE F 3' OF MAIN PLOUDE SI OF EQUID PROVIDE F 3' OF MAIN PLOUDE SI OF EQUID STUD BAY J-BOX AT MITHIN TH STUD BAY LABEL WIT BACKED U PANEL 	IG 200A SERV AL SERVING	ICE R N	

1.5 ELECTRICAL NOTES (CONTINUED)

- PANELS AND CIRCUITS:
- A. ALL 120-VOLT, SINGLE PHASE, 15 ¢ 20 AMPERE BRANCH CIRCUITS THAT SUPPLY OUTLETS OR DEVICES INSTALLED IN KITCHENS, FAMILY ROOMS, LIVING ROOMS, DENS, BEDROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, AND SIMILAR SHALL BE PROTECTED BY ANY MEANS OF ARC-FAULT CIRCUIT INTERRUPTER (AFCI) DESCRIBED IN CEC SECTION 210.12(A)(1) THROUGH (6).
- B. ALL 125V AND 250V RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, OUTDOORS (INCLUDING OUTDOOR MECHANICAL UNITS), CRAWL SPACES, BASEMENTS, KITCHENS (SERVICING COUNTER SPACE AND WITHIN 6' OF A SINK), 6' WITHIN A SINK/SHOWER/TUB, BOATHOUSES, LAUNDRY AREAS AND INDOOR DAMP/WET LOCATIONS SHALL BE GFCI.
- C. AUTOMATIC GARAGE DOOR OPENERS SHALL BE LISTED IN ACCORDANCE WITH UL 325, CBC 406.2.1 AND HEALTH AND SAFETY CODE SECTIONS 19890 AND 19892. PROVIDE BATTERY BACKUP FOR GARAGES TO BE USED DURING AN OUTAGE.
- D. AN OUTLET INSTALLED FOR THE PURPOSE OF CHARGING ELECTRIC VEHICLES SHALL BE SUPPLIED BY A SEPARATE BRANCH CIRCUIT. THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS. (CEC 625.40)
- E. PROVIDE ALL AIR HANDLING EQUIPMENT WITH INDIVIDUAL BRANCH CIRCUITS (CEC 422.12). F. EACH BATH OR POWDER ROOM SHALL RECEIVE A DEDICATED 20A CIRCUIT TO ONLY SUPPLY LOADS WITHIN THE BATH OR POWDER ROOM. LOADS SHALL INCLUDE GFCI RECEPTACLE, LIGHTS, EXHAUSTS, ETC. CIRCUIT SHALL NOT EXTEND TO OTHER ROOMS OR BATHROOMS. ALTERNATE APPROACH FOR CIRCUITING ONLY GFCI RECEPTACLES WITHIN MULTIPLE BATHROOMS
- SHALL BE APPROVED BY ENGINEER. G. TWO 20A SMALL-APPLIANCE BRANCH CIRCUITS SHALL SERVE ALL WALL AND COUNTERTOP RECEPTACLES IN THE KITCHEN AND DINING ROOM (WHERE APPLICABLE) UNLESS EQUIPMENT REQUIRES A DEDICATED CIRCUIT.
- H. ALL OUTDOOR RECEPTACLES FOR EACH DWELLING SHALL BE FED BY A SINGLE CIRCUIT THAT DOES NOT SUPPLY ANY INDOOR OUTLETS, EQUIPMENT OR LIGHTS.
- I. ALL OUTLETS LOCATED IN A DWELLING GARAGE SHALL BE FED BY A SINGLE CIRCUIT. EQUIPMENT REQUIRING A DEDICATED CIRCUIT (EX. EV CHARGER, WATER HEATER, ETC) SHALL NOT BE SUPPLIED FROM THE SAME CIRCUIT. THE REQUIRED OUTLET PER BAY AND GARAGE DOOR OUTLET SHALL BE FED BY THE SINGLE GARAGE CIRCUIT.
- J. LAUNDRY CIRCUIT SHALL NOT SUPPLY ANY OUTLETS OUTSIDE OF THE LAUNDRY SPACE. K. ALL 125V AND 250V, 15 \$ 20 AMPERE NON-LOCKING RECEPTACLES INSTALLED IN THE AREAS DESCRIBED IN CEC SECTION 406.12(1) THROUGH (8) SHALL BE TAMPER-RESISTANT.
- L. EACH ATTACHED OR DETACHED GARAGE WITH POWER SHALL HAVE AT LEAST ONE RECEPTACLE PER GARAGE BAY. M. ACCESSIBLE ATTIC SPACES WITH HVAC EQUIPMENT SHALL HAVE A GFCI SERVICE RECEPTACLE AND LIGHT WITH SWITCH
- LOCATED NEAR THE ENTRY POINT. N. THE BRANCH CIRCUIT SUPPLYING THE FIRE ALARM EQUIPMENT SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT. THE CIRCUIT DISCONNECTING MEANS SHALL HAVE RED IDENTIFICATION, SHALL BE ACCESSIBLE ONLY TO QUALIFIED PERSONNEL AND SHALL BE IDENTIFIED AS FIRE ALARM CIRCUIT PER CEC 760.41(B)
- O. THERE SHALL BE NO OUTLETS WITHIN 3' OF A SHOWER OR TUB WITHIN BATHROOMS.
- P. KITCHEN ISLAND RECEPTACLES SHALL COMPLY WITH CEC 210.52(C)(2)(A).
- Q. AT LEAST ONE LUMINAIRE MUST BE CONTROLLED BY A VACANCY SENSOR IN BATHROOMS, GARAGES, LAUNDRY ROOMS, WALK IN CLOSETS, AND UTILITY ROOMS. BATHROOMS WILL SEPARATE WATER CLOSET SHALL HAVE SEPARATE VACANCY SWITCH. R. WHERE RANGE, DRYER, WATER HEATER, OR FURNACE ARE GAS, PROVIDE A SEPARATE 240V CIRCUIT FROM MAIN PANEL AS PRE-WIRE FOR FUTURE USE FOR EACH GAS APPLIANCE. CIRCUITS SHALL BE RATED FOR AMPACITY NOTED BELOW. ALL FUTURE CIRCUITS SHALL BE CLEARLY LABELED IN PANEL. THE FUTURE 240V CIRCUIT SHALL BE TERMINATED AT THE APPLIANCE IN A JUNCTION BOX WITH BLANK COVER PLATE AND CLEARLY LABELED AS FUTURE USE.
 - RANGE 50 A MINIMUM DRYER - 30 A MINIMUM WATER HEATER - 30A MINIMUM
 - FURNACE 30A MINIMUM
- 5. EACH PRIVATE GARAGE PER DWELLING SHALL HAVE AT LEAST ONE 40A RATED EV CHARGER OR PRE-WIRING FOR FUTURE 40A MINIMUM. WHERE EV CHARGER IS FUTURE, PANEL DIRECTORY BREAKER SPACE AND RACEWAY TERMINATION POINT PERMANENTLY AND VISIBLY MARKED AS EV CAPABLE. MINIMUM I" RACEWAY OR 40A RATED CABLE SHALL BE PROVIDED FROM MAIN SERVICE PANEL TO JUNCTION BOX IN CLOSE PROXIMITY OF THE EV SPACE. RACEWAY/CABLE SHALL BE CONTINUOUS AND CONCEALED IN WALLS.
- T. ALL UNIT LIGHTING SHALL BE CONTROLLED BY A DIMMER OR VACANCY SWITCH WITH THE EXCEPTION OF STAIRWELLS AND CORRIDORS. U. EXTERIOR DWELLING UNIT LIGHTING SHALL BE CONTROLLED BY ASTRONOMICAL TIMECLOCK OR PHOTOCELL. AUTOMATIC SCHEDULING AND MOTION CONTROL SHALL BE PROVIDED AS REQUIRED BY CODE.

FIXTURES:

A. INSTALL SWITCHES, RECEPTACLES, ETC. AT FOLLOWING HEIGHTS (UNLESS OTHERWISE NOTED) MEASURED TO CENTER OF JUNCTION BOX: OUTLETS, PHONE TELEVISION +18" AFF

OUTLETS, PHONE TELEVISION	+10 AFF
OUTLETS ABOVE BATH COUNTERTOP	+40" AFF
OUTLETS ABOVE FIXED CABINETRY	+44" AFF
OUTLETS ON FIXED CABINETRY	+32" AFF
SWITCHES	+46" AFF
THERMOSTAT/ALARM KEYPAD	+58" AFF
DOORBELL CHIME	+84" AFF

- RECEPTACLE OUTLETS SHALL NOT BE INSTALLED IN FACE UP POSITION ON A WORK SURFACE. WHERE REQUIRED, MOUNTING FOR ACCESSIBLE DEVICES SHALL NOT EXCEED 48" TO TOP OF DEVICE AND SHALL NOT BE LOWER THAN 15" FROM BOTTOM OF DEVICE.
- B. ALL INSTALLED LUMINAIRES SHALL BE HIGH-EFFICACY IN ACCORDANCE WITH TABLE 150.0-A OR CERTIFIED TO THE COMMISSION AS COMPLYING WITH REFERENCE JOINT APPENDIX 8. (BEES 150.0(k)(1)(A)) SCREW BASED LUMINARES SHALL COMPLY WITH SECTION 150.0(k)(1)(G). C. FIXTURES, LAMP HOLDERS AND RECEPTACLES OUTLETS SHALL BE SECURELY SUPPORTED. A FIXTURE THAT WEIGHS MORE
- THAN 6 POUNDS OR EXCEEDS 16 INCHES IN ANY DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMP HOLDER PER CEC ART. 40.30(A) OUTLET BOXES SHALL NOT BE USED AS THE SOLE SUPPORT FOR CEILING (PADDLE) FANS CEC ART. 314.27(A) \$ (D).
- D. ALL RECESSED CAN LIGHTS SHALL BE IC RATED AND COMPLY WITH JA8-2016-E OR JA8-2019-E. E. ALL FAN RATED JUNCTION BOXES SHALL BE CLEARLY LABELED FOR INSTALLATION TYPE. THE MINIMUM WEIGHT SHALL BE 70LBS.
- SMOKE & CARBON MONOXIDE ALARMS:
- A. PROVIDE INTERCONNECTED SMOKE ALARMS WITHIN AND OUTSIDE EACH SLEEPING AREA, AND ON EACH LEVEL, WITH POWER IN COMPLIANCE WITH CBC 2022. DO NOT LOCATE WITHIN 36" OF AN OPENING INTO A BATHROOM THAT INCLUDES A TUB/SHOWER. SMOKE ALARM MANUFACTURER AND MODEL NUMBER MUST BE APPROVED BY STATE FIRE MARSHALL. B. PROVIDE INTERCONNECTED CARBON MONOXIDE ALARMS OUTSIDE EACH SLEEPING AREA AND ON EACH LEVEL, WITH POWER PROVIDED IN COMPLIANCE WITH CBC 2022. ALARMS SHALL BE LISTED UL 2034. COMBINATION CARBON MONOXIDE AND SMOKE
- ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 2034 AND UL 2075. CARBON MONOXIDE ALARMS MUST BE APPROVED BY STATE FIRE MARSHALL. C. SMOKE AND CARBON MONOXIDE ALARMS REQUIRE MINIMUM 36" CLEARANCE FROM ALL AIRFLOW REGISTERS, FANS AND
- OPENINGS INTO A BATHROOM WITH TUB/SHOWER. COORDINATE WITH ARCHITECTURAL PLANS AND VERIFY FIELD LOCATION FOR MECHANICAL CONFLICTS. D. FIRE ALARM SYSTEM SHALL BE HARDWIRED WITH BATTERY BACKUP, FIRE ALARM SYSTEM DESIGNED BY OTHERS.
- E. SMOKE AND CARBON MONOXIDE ALARMS SHALL BE LOCATED AT LEAST 20' FROM COOKING EQUIPMENT. WHERE DISTANCE IS NOT FEASIBLE, PROVIDE SPECIAL ALARMS SUITABLE FOR LOCATION. FINAL SPECIFICATIONS AND LOCATIONS BY FIRE DESIGNER.
- F. PROVIDE HEAT DETECTION SENSOR WHERE BATTERIES ARE INSTALLED.
- MECHANICAL EQUIPMENT; A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND APPLIANCE INSTALLER, PRIOR TO ROUGH-IN, TO VERIFY BREAKER AND WIRE SIZE FOR RESPECTIVE EQUIPMENT. ELECTRICAL CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS TO SATISFY CEC REQUIREMENTS.
- B. PROVIDE WEATHER PROOF GFCI SERVICE RECEPTACLE WITHIN 25' (CEC 210.63) OF ALL EXTERIOR HVAC EQUIPMENT. FOR EQUIPMENT LOCATED IN AN ATTIC, PROVIDE RECEPTACLE AND A HIGH EFFICACY LIGHTING FIXTURE AT OR NEAR THE EQUIPMENT AND CONTROLLED BY VACANCY SENSOR SWITCH LOCATED AT THE REQUIRED PASSAGEWAY OPENING. COORDINATE LOCATIONS WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.
- C. PROVIDE ROOF JACKS FOR POWER AND 3/4" CONTROL CONDUIT TO ROOF MOUNTED HVAC EQUIPMENT. ALL CONDUIT PENETRATIONS SHALL BE LOCATED NEAR THE EQUIPMENT. POWER CONDUIT SHALL BE ROUTED TO THE DESIGNATED PANEL. CONTROL CONDUIT SHALL BE ROUTED TO THE MECHANICAL UNIT CONTROL MODULE/THERMOSTAT. COORDINATE POWER AND CONTROL WIRING AND EQUIPMENT LOCATIONS WITH MECHANICAL CONTRACTOR.
- D. CONTRACTOR SHALL NOT RUN CONDUIT ALONG THE ROOF. CONDUIT WITH PIPE GUARDS SHALL BE USED AT CLIENTS DISCRETION.
- E. ALL CONNECTIONS TO HVAC EQUIPMENT SHALL BE MADE WITH COPPER CONDUCTORS ONLY. SIZE CONDUCTORS PER UNIT NAMEPLATE SPECIFICATIONS, CONDUCTOR SIZE SHALL NOT BE BELOW CODE MINIMUM.
- F. PROVIDE FUSED DISCONNECT WITH BUSSMAN CLASS RK5 DUAL ELEMENT CURRENT LIMIITING FUSES FOR ALL MECHANICAL EQUIPMENT, SIZE AS REQUIRED PER NAMEPLATE SPECIFICATIONS. ALL DISCONNECTS LOCATED OUTDOORS SHALL BE NEMA 3R. CONTRACTOR SHALL PROVIDE UNISTRUT SUPPORT AS NEEDED TO MOUNT DISCONNECTS WITH SUFFICIENT WORKING CLEARANCE. G. PROVIDE MOTOR RATED SWITCH WITH THERMAL OVERLOADS FOR ALL MECHANICAL EQUIPMENT RATED AT 120V ONLY. SIZE
- PER MANUFACTURERS NAMEPLATE.
- H. LIQUID-TIGHT FLEXIBLE CONDUIT IS ACCEPTABLE FOR FINAL MOTOR TERMINATIONS IN LENGTHS NOT TO EXCEED 6'. I. BREAKERS SERVING MECHANICAL AND HEATING EQUIPMENT SHALL BE LABELED AS "HACR".

)antee PLANS APPROVED BY THE CITY OF SANTE

BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subje to the requirements of the California Housing Law and the building laws of the watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City County. State. Federal Laws or othe restrictions.

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV

Plan-Approved

22 California Building Standard Code

								105
ND SF	PECIFICATIONS					FOR JUR	ISDICTION L	JSE:
<u>1.1</u>	DESIGN CRITERIA							
I. GEN I.I.	NERAL PROJECT INFORMATION: PROJECT SHALL CONFORM TO THE 20	022 CEC,202:	2 CEnC, 2022 CGBC REFERENCEI) STANDARI	DS, AND APPLICABLE LOCAL			
1.2.	DESIGN CRITERIA ARE AS FOLLOWS:		_					
	SITE POWER 1-PHASE 12 SERVING UTILITY P	20/240V−1¢,31 °G¢E	M					
12	DRY UTILITY DESIGN 1	TBD						
1. SC	OPE:							mo
1.1.	THE PROJECT DOCUMENTS MAY NOT I WITHOUT PRIOR WRITTEN APPROVAL I	BE USED IN FROM THE E	A LOCATION OTHER THAN THA ENGINEER.	T DESIGNAT	ED ON THE DRAWINGS			430 an.c
1.2. 1.3.	THIS IS A "BUILDER'S SET" PRODUCEI THESE PLANS CONTAIN INFORMATION NOT EXTENSIVELY DETAILED NOR ARE	D SOLELY FOR FOR GENERA F COMPLETE	OR USE BY A KNOWLEDGEABLE AL CONSTRUCTION AND BUILDIN SPECIFICATIONS PROVIDED D	AND EXPER G PERMIT F FTAILS OF (RIENCED CONTRACTOR. PURPOSES ONLY. THEY ARE CONSTRUCTION NOT FULLY			7.1. Isloá
	SHOWN SHALL BE OF THE SAME NATU THE PLAN SET. FOR ITEMS, METHODS THE APPLICABLE CODE SHALL GOVERI	JRE AS SHOL 5 AND/OR M. N.	WN FOR SAME OR SIMILAR CON ATERIALS NOT SPECIFIED WITH	STRUCTION	SHOWN ELSEWHERE WITHIN , THE MIN REQUIREMENT OF			.87 and
1.4.	THE ENGINEER PROVIDES NO WARRAN BEYOND THE AFOREMENTIONED LIMITE	ITY OR GUAF ED INFORMA ⁻	RANTEE ON THE FINAL PROJECT TION OF THESE PLANS.	F, NOR DUT	Y TO ANY PERSON OR ENTITY	al	a g	80(arris
2. CON 2.1.	NTRACTOR REQUIREMENTS: THE CONTRACTOR IS SOLELY RESPON CONSTRUCTION SHALL CONFORM TO A	ISIBLE FOR	THE QUALITY AND CONSTRUCTI	ON STANDAI	RDS FOR THIS PROJECT.	ctur	trican	free v.ha
2.2.	CONTRACTOR SHALL FIELD VERIFY AL	L DIMENSIO	NS, ELEVATIONS, ETC.	SPECIFICALI	Y PROVIDED IN THESE PLANS	Stru		toll 1
2.3.	ARE THE SOLE AND COMPLETE RESPO CONTRACTOR SHALL NOTIFY THE ENG	INSIBILITY C	A A A A A A A A A A A A A A A A A A A	OCCURS ON	Y AND INSTALL.		. ш. ш. .:	- 0
25	DRAWINGS OR DOCUMENTS. CONTRACT THAT IS IN CONFLICT, UNTIL CONFLICT	TOR IS NOT T IS RESOLV	AFFECTED PARTIE	TRUCT ANY S.	PORTION OF THE BUILDING		s DI 833	800 2878
2.5.	RESPONSIBILITY OF THE CONTRACTOR IT IS THE RESPONSIBILITY OF THE CO	NTRACTOR	NOT BEEN CONSIDERED BY THE	ELECTRICA	I ENGINEER. T FOR ANY REQUIRED		Jak ⊻ 95	21.2
2.7.	DIMENSIONS NOT SHOWN. DRAWINGS & THE GENERAL CONTRACTOR AND ITS	SUB-CONTR	ACTORS MUST SUBMIT IN WRIT	SCALED FO	DR ANY PURPOSE.		, CA	3.92 6.9
	REVIEW DO NOT CONSTITUTE "IN WHIT BECOME THE RESPONSIBILITY OF THE	TING". CHANC	GES TO THE PLANS AND SPECI	FICATIONS E	NEER OF RECORD FOR ITS BY MEANS OF SHOP DRAWINGS		tew ento	916 < 91
1.3	TYPICAL ABBREVIA	TIONS	8				Ga	fa)
ADA AF AFF	AMERICAN DISABILITIES ACT AMP FRAME ABOVE FINISHED FLOOR	FWE G/GRD GEN	FURNISHED WITH EQUIPMENT GROUND GENERATOR	N/A NC NEC	NOT APPLICABLE NORMALLY CLOSED NATIONAL ELECTRIC CODE		295 acri	
AHU AIC AL AP	AIR HANDLING UNII AMPERE INTERRUPTING CURRENT ALUMINUM ACCESS PANEI	GFCI/GI GFP HACR	INTERRUPTER GROUND FAULT PROTECTION GROUND FAULT PROTECTION HEATING AIR CONDITIONING		NON-FUSED NATIONAL FIRE PROTECTION ASSOCIATION NORMALLY OPEN		0 N	g
AFCI AS/AF AMP,A	ARC FAULT INTERRUPTER AMP SWITCH, AMP FUSE AMPERE	HD HH	REFRIGERATION TYPE HEAVY DUTY HANDHOLE	NTS OCPD	NOT TO SCALE OVERCURRENT PROTECTION DEVICE	_		
ARCH AT ATS	ARCHITECTURAL AMP TRIP AUTOMATIC TRANSFER SWITCH	HOA HP HPS	HAND-OFF-AUTO HORSE POWER HIGH PRESSURE SODIUM	OS P PB	OCCUPANCY SENSOR POLE PULL BOX			
AWG BATT BD	AMERICAN WIRE GAUGE BATTERIES BUS DUCT	HZ	CONDITIONING HERTZ	PH/φ PNL PMP	PHOTOCELL PHASE PANEL POINER			∞
BKR BLDG BP	BREAKER BUILDING BUILDING PANEL	JB/J-B0) KCMIL KV	X JUNCTION BOX KIL-CIRCULAR MILS	REC	RECEPTACLE REFRIGERATOR			<u>.</u>
CB CCT CCTV	CIRCUIT BREAKER CIRCUIT CLOSED CIRCUIT TELEVISION	ŘVA KVAR	KILOVOLT-AMPERES (APPARE POWER) KILOVOLT-AMPERES REACTAN	INT REQD SE ICE SH	REQUIRED REVOLUTIONS PER MINUTE SERVICE ENTRANCE SHIFL DED			L
CEC CLG CP	CALIFORNIA ELECTRIC CODE CEILING CONTROL PANEL	KM KMH	(REACTIVE POWER) KILOWATT (REAL POWER) KILOWATT HOUR	SP SPEC SPD	SUMP PUMP SPECIFICATION SURGE PROTECTION DEVICE			g
	CIRCUIT COPPER DELTA CONNECTED DIRECT CURRENT	LCP LPS LSIG	LIGHTING CONTROL PANEL LOW PRESSURE SODIUM LONG, SHORT, INSTANTANEOL GROUND	ST SW JS, SWBD	SHUNT TRIP SWITCH SWITCHBOARD		-	
DEG DIST DPDT	DEGREE DISTRIBUTION DOUBLE POLE, DOUBLE THROW	LTG LV M/DM	LIGHTING LOW VOLTAGE UTILITY METER OR DIGITIAL	SYM SYM SYS TELCON	SYMMETRICAL SYSTEM 1 TELECOMMUNICATIONS			100
DWG D/W (E)	DRAWING DISH WASHER EXISTING ELECTRICAL CONTRACTOR	MAX MCA	METER MAXIMUM MINUMUM CIRCUIT AMPACITY	TP TV TYP	TAMPER PROOF TELEVISION TYPICAL	<u>s</u>	∣₹	Щ
EC EF EG FL FC	ELECTRICAL CONTRACTOR EXHAUST FAN EQUIPMENT GROUND ELECTRICAL	MCB MCC MCB	MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MOTOR CIRCUIT PROTECTOR	U/G UL UON UPS	UNDERGROUND UNDERWRITER'S LABORATORY UNLESS OTHERWISE NOTED		AS1	SUI 2131
ELEV EO EP	ELEVATOR ELECTRICALLY OPERATED EXPLOSION PROOF	MECH MH MIN	MECHANICAL MAN HOLE OR METAL HALIDE MINIMUM	UTIL V	SUPPLY UTILITY VOLT	ARI	920 SO	- VD A 92
EPO EQ F	EMERGENCT POWER OFF EQUIPMENT FUSIBLE FUTURE	MLO MO MOCP	MAIN LUGS ONLY MANUALLY OPERATED MAXIMUM OVERCURRENT CIRC	VA VD UIT VFD	VOLT AMPERE VOLTAGE DROP VARIABLE FREQUENCY DRIVE	ບັ		A BI O, C
FACP FBO FDR	FIRE ALARM CONTROL PANEL FURNISHED BY OTHERS FEEDER	MS MTS	PROTECTION MOTION SENSOR MANUAL TRANSFER SWITCH	V/ _{\$} /HZ W WAP	VOLTS/PHASE/HERTZ WATT OR WIRE WIRELESS ACCESS POINT		<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	EGC EGC
FLA FSD FVNR FVP	FULL LOAD AMPS FIRE SMOKE DAMPER FULL VOLTAGE NON REVERSING	MW N (N)	MICROWAVE NEUTRAL NEW	WP XFMR XFR	WEATHER PROOF TRANSFORMER (DELTA/WYE) TRANSFER	SP		N ⊿ N Z
14		CAL N	OTES	I	WIE CONNECTED	L S S		SA
A. CON	TRACTOR SHALL PROVIDE A COMPLET	E INSTALLA	TION INCLUDING ALL WORK REG	UIRED TO F	PROVIDE A COMPLETE AND			915
B. COOL BY (RATING STSTENTFOR THE IMPROVEME RDINATE ALL WORK WITH OTHER TRAI OTHERS AS REQUIRED. INSTALL ALL Ø	DES TO PRO NORK TO CL	IED. DVIDE A COMPLETE INSTALLATI EAR ARCHITECTURAL AND STR	ON. CONNEC ⁻ JCTURAL ME	T ALL EQUIPMENT FURNISHED EMBERS.	PRO	CLIE	ő
C. LAYO	OUTS ARE A DIAGRAMMATIC REPRESE E REQUIREMENTS. ACTUAL INSTALLAT	NTATION OF	FIXTURE, SWITCHING AND EQU RY DUE TO AS-BUILT CONDITION	IPMENT LOC DNS AND FIE	ATIONS IN COMPLIANCE WITH ELD COORDINATION BETWEEN	PROJECT	MANAGER	AS
D. THIS OTH	B PROJECT WILL BE SOLAR STANDARD ERS) AND COORDINATE TO VERIFY SO	D AND IS AC DLAR REQUIR	COUNTED FOR IN ELECTRICAL REMENTS PRIOR TO INSTALLATI	DESIGN. REF ON.	FER TO SOLAR PLANS (BY	DESIGNE	R: 3Y:	NN SAM
E. WHE LAYO PANI	N SOLAR IS PROVIDED, SOLAR PANEL: OUTS IN ARCHITECTURAL PLANS FOR I FLS OR AD IACENT TO THE UNIT SUB-	S TO BE WII UNIT SUB-P, -PANFI RFF	RED TO EACH UNIT, SEE UNIT ANEL LOCATION. SOLAR POWER FR TO SOLAR PLANS (BY OTH	SHEETS OR INVERTER FRS) FOR S	UTILITY/ELECTRICAL TO BE LOCATED AT SOLAR	CHECKED) BY:	AS
F. SQU, WHEI	ARE FOOTAGE INDICATED IN THE LOAD N THERE ARE VARIATIONS DUE TO EL	D/FEEDER CA EVATION ST	ALCULATIONS REFLECT THE WC TYLE OR UNIT TYPE.	RST-CASE ((LARGEST) SQUARE FOOTAGE	ISSUE D	ATE:	09-15-2023
G. REFE H. ALL RAT	ER TO DRY UTILITY PLANS FOR ON-SITE FIRE WALL PENETRATIONS SHALL BE	CIRCUIT AND FIRE SEALE	ROUTING/TRENCH INFORMATION 1 ED WITH APPROVED FIRE SEALA	O SITE FEAT	URES. ACTOR SHALL MAINTAIN FIRE	REVISION	IS:	
I. ALL TYP	WIRING, DEVICES AND COMPONENTS I E OF INSTALLATION.	NSTALLED II	N AN AIR PLENUM SHALL BE P	LENUM RATE	ED OR APPROVED FOR THE		NT REV	02-23-2024
J. PENI NOTO APPI	ETRATIONS IN FRAMING TO BE ONE NO CHING, BORING OF FRAMING MUST MEI ROVED BY STRUCTURAL ENGINEER OF	OMINAL SIZE ET REQUIREN RECORD PR	LARGER THAN OUTSIDE DIAME MENTS OF STRUCTURAL CONST RIOR TO CONSTRUCTION, COORE	TER OF PIP RUCTION DO DINATE ALL	E, UNO. ALL CUTTING, CUMENTS OR BE OTHERWISE CUTTING AND PATCHING WITH	REV	5	
THE K. BAT	GENERAL CONTRACTOR AND/OR PROJ TERIES WILL BE OFFERED AS AN OPTI	JECT SUPERI	INTENDENT. NATE WITH SOLAR/BATTERY PI	ROVIDER ON	SYSTEM ARCHITECTURE.			
1 5	ELECTRICAL NOTES	ain panel (C	VIA ESS CONTROLLER AS SHOW	N IN ONE-LI	INES.			
ELECTR	ICAL EQUIPMENT:	0				STAMP:		
A. MINII OTHI	MUM AVAILABLE FAULT CURRENT (AFO ER THAN DWELLING UNITS), AND SHAI	C) SHALL BI LL INCLUDE	E LEGIBLY MARKED IN THE FIE DATE THE AFC CALCULATION A	LD ON ALL NAS PERFOR	SERVICE EQUIPMENT (IN RMED PER CODE, PROVIDE ALL		PROFESS/	ON A
SER EQUI	VICE EQUIPMENT RATED EQUAL OR GR PMENT. _ELASH MARNING LABEL SHALL BE EN	REATER THAI	N THE AVAILABLE FAULT CURR	ENT AT THE	E LINE TERMINALS OF THE	EGISI	¥/ (STARA RE
SWIT ARC	FLASH HAZARDS, IN COMPLIANCE WIT	ETS VISIBLY TH CEC REQU	AND LEGIBLY, WARNING QUALI UIREMENTS.	FIED PERSO	NS OF POTENTIAL ELECTRIC		E (0.4/3)/2	2026
C. DEP EXCE	TH OF WORKING SPACE FOR ELECTRIC. EEDS 150V, CONTRACTOR SHALL MAINT	AL EQUIPME	NT SHALL BE A MINIMUM OF 30 ANCE PER CONDITIONS NOTED I	5". WHERE N N CEC 110.26	IOMINAL VOLTAGE TO GROUND		ECTRIC	A W
D. WIDT OF E	TH OF WORKING SPACE FOR ELECTRIC EQUIPMENT IS LARGER THAN 30", WIDT	AL EQUIPMENTH OF WORK	NT SHALL BE A MINIMUM OF 30 (ING SPACE SHALL BE THE WID ENT GUALL BE A MINIMUM OF 6	", PER CEC TH OF THE ' (" EROM E	IIO.26(A)(2). WHERE WIDTH EQUIPMENT.		CALI	FU
F. DED	THE EQUIPMENT, WHICHEVER IS GREAT ICATED ELECTRICAL SPACE FOR ELECT	TER, PER CE TRICAL EQUI	EC 110.26(A)(3). IPMENT SHALL BE EQUAL TO T	-6 FROITF	ND DEPTH OF THE EQUIPMENT	PLAN NUMBER:		
AND	EXTEND FROM FLOOR TO 6' ABOVE T LL BE NO FOREIGN OBJECTS INSTALLE	THE EQUIPME ED WITHIN T	ENT OR TO THE STRUCTURAL C	EILING, WHI	CHEVER IS LOWER. THERE	SHFFT		
G. ALL H. MAIN	EQUIPMENT SHALL BE UL LISTED AND N BREAKER SHALL BE PERMANENTLY I	D BEAR THE	MAIN (SERVICE DISCONNECT)	D BY NRTL	 E SHUT-OFF. IF AN I ADDITIONAL LABEL WITH	TITLE:		
ADD LOCA	ATIONAL JERVICE IS AVAILABLE IN A LATION OF OTHER SERVICE.	A DAMP ENV	/IRONMENT SHALL BE NFMA 3P	LL HAVE AN	AUDITIONAL LABEL WITH	S	TAND	ARD
J. EQUI SEP	PMENT ENCLOSURES SHALL NOT BE U ARATE WIRE GUTTER OR SPLICE BOX	ISED AS A V WHERE REQU	WIREWAY TO ROUTE CONDUCTO	RS. CONTRA	CTOR SHALL PROVIDE A		ES, DI	ETAILS
K. SERY L. MAIN	VICE EQUIPMENT SHALL MEET ALL EUS N SERVICE EQUIPMENT SHALL HAVE TY	SERC REQUIR YPE I OR TY	REMENTS AS DIRECTED BY THE YPE 2 SURGE PROTECTION DEV	E LOCAL UTI CE.	ILITY.	/	AND LO	DAD
BATTER	RY/SOLAR EQUIPMENT:							TIONS
A. SOLA COM	AR AND BATTERY DESIGN SHALL BE C	COMPLETED	BY OTHERS INCLUDING SIZING	OF SYSTEM,	WIRE SIZING AND ALL	SCALE:		

COMPONENTS. B. MAIN PANEL BUSSING SHALL NOT BE LESS THAN 225A.

C. ISOLATION DEVICE/TRANSFER DEVICE HUB SHALL BE LOCATED WITHIN 3' OF MAIN SERVICE PANEL. WHERE FUTURE, SPACE SHALL BE DEDICATE FOR DEVICE.

D. THE BACKED UP SUB-PANEL SHALL ACCOMMODATE A MINIMUM OF FOUR BRANCH CIRCUITS.

2. PRIMARY EGRESS LIGHTING

1. FRIDGE CIRCUIT

3. SLEEPING ROOM RECEPTACLE

4. OTHER E. BATTERY SYSTEM SHALL NOT ACT AS A LOAD ON THE DWELLING UNIT. THE MAIN CONTROLLER SHALL BE PROGRAMMED TO CHARGE BATTERIES ONLY WHEN EXCESS AMOUNT OF SOLAR OR UTILITY POWER IS AVAILABLE.

JOB NUMBER: HS23369

UMBER:

1 ~	IEW EXISTING			1.0		1Λ		Α	AIC:	10KAIC (FIELD VERIFY)	1	NEW	EXISTING			Ĩ	ID '	1		AIC:	10KAIC (FIELD VERIFY
VOL.	TAGE: 120/24	40V 1Φ 3W		U		IA		Ν	MAIN:	MCB	VOL	TAGE:	120/	240V 1Φ 3W		L L	JF-			MAIN:	MCI
BUS		225A	Ν	10UNTIN	NG: SE	EMI-FL	LUSH	I L	OCATION:	EXTERIOR	BUS	S:		225A	M	IOUNT	ING: SEN	MI-FLUS	Н	LOCATION:	EXTERIO
OKT		VOLT-AN	IPERES	CB	BUS	CB	3 \	VOLT-AM	IPERES		OKT			VOLT-A	MPERES	CB	BUS	CB	VOLT-AI	MPERES	
CKI	LOAD DESCRIPTION	ΦΑ	ΦВ	ΤP	AB	T	P	ФА	ΦВ	LOAD DESCRIPTION CKT	CKI	LO	AD DESCRIPTION	ΦA	ΦВ	TF	AB	ΤP	ФА	ΦВ	LOAD DESCRIPTION CK
1		1 1			•	20	1			SPARE 2	1							20 1		1	SPARE 2
3	SPD (TYPE 1 OR 2)			20 2	•		_		3.250	o	3	SPD (1	YPE 1 OR 2)			20 2				3.250	4
5	BATHROOM GFCI	180		20 1	•	40	2	3.250		OVEN 6	5	BATHR	ROOM GECI	180		20 1		40 2	3.250		OVEN 6
7	MASTER BATHROOM GFCI		360	20 1	•			-,	5.000	8	7	MASTE	R BATHROOM GFC		360	20 1			-,	5.000	8 8 8
9	SPARE			20 1	•	50	2 5	5.000		COOKTOP 10	9	SPARE				20 1		50 2	5.000		COOKTOP 10
11	BATHROOM GFCI		180	20 1	•			- 1	1.980		11	BATHR	OOM GFC		180	20 1			.,	1.980	
13	FRV	300		15 1	•	25	2	1.980		HEAT PUMP	13	ERV		300		15 1		25 2	1.980	.,	HEAT PUMP
15	OUTDOOR GFCI		360	20 1	•			.,	504	16	15	OUTDO	DOR GFCI		360	20 1		45 4	.,	504	16
17	SPARE			20 1	•	15	2	504		AIR HANDLER 18	17	SPARE				20 1		15 2	504		AIR HANDLER
19	GARAGE GFCI		1,200	20 1	•		_		7,661	PANEL SPB (BACK-UP 20	19	GARAG	GE GFCI		1,200	20 1		60 0		7,661	PANEL SPB (BACK-UP 20
21		2,880			•	100	$\frac{1}{1}$	7,934		LOADS) VIA GATEWAY 22	21			2,880					7,934		LOADS) VIA GATEWAY 22
23	WATER HEATER RECEP		2,880	30 2	•	1 50	~		4,800		23	WATER	R HEATER RECEP		2,880	30 2		50 0		4,800	
25		2,500			•	50	2 4	4,800		INSTALLED EV CHARGER	25			2,500				50 2	4,800		INSTALLED EV CHARGER
27	DRYER		2,500	30 2	•		~			RESERVED FOR 28	27		K		2,500	30 2					RESERVED FOR 28
29	LAUNDRY	1,500		20 1	•	- - °	2			SOLAR ELECTRIC ² 30	29	LAUND	RY	1,500		20 1		- 2			SOLAR ELECTRIC ² 30
SUB	FOTAL:	7,360	7,480		<u> </u>		2	23,468	23,195	:SUBTOTAL	SUB	BTOTAL:		7,360	7,480			-	23,468	23,195	SUBTOTA
TOT	AL VOLT-AMPERES/PHASE:	ΦA =	30,828	-				$\Phi B = 3$	30.675		TOT			<u></u> ΦΛ –	20.000				<u>Φ</u> Β –	30.675	
TOT								TD 0			101	AL VOLI	I-AMFERES/PHASE.	$\Psi A =$	30,828				$\Psi D =$	50,075	
	AL PANEL VOLT-AMPERES:	61,503	CONN	ECTED	AMPS:	: 256	6	DEMAN	D AMPS:	188	тот	AL VOLT	EL VOLT-AMPERES:	Φ <u>Α</u> = 61,503	30,828 CONNI	ECTED	O AMPS:	256	DEMA	ND AMPS:	188
-	AL PANEL VOLT-AMPERES:	61,503	CONN	ECTED	AMPS:	: 256	6	DEMAN	ID AMPS:	188	тот	AL VOLT	EL VOLT-AMPERES:	ΦΑ – 61,503	30,828 CONNI	ECTED) AMPS:	256	DEMA	ND AMPS:	188
		61,503	CONN	ECTED	AMPS:	: 256	6	DEMAN	ND AMPS:		тот			ΦΑ = 61,503	30,828 CONNI	ECTED	D AMPS:	256	DEMA		
		61,503	CONN	ECTED /	AMPS:	: 256 - 2	6	DEMAN		188 10KAIC (FIELD VERIFY)	TOT		EL VOLT-AMPERES:	ΦΑ - 61,503	30,828 CONNI	ECTED		256	DEMA	AIC:	188 10KAIC (FIELD VERIFY MI (
	AL PANEL VOLT-AMPERES: IEW EXISTING FAGE: 120/24	61,503 40V 1Ф 3W	CONN		AMPS:	: 256 - 2	6		AIC:	188 10KAIC (FIELD VERIFY) MCB	TOT	NEW	EL VOLT-AMPERES:	φΑ - 61,503 /240V 1Φ 3W	SU,828 CONNI		SPE	256	DEMA	AIC: MAIN:	188 10KAIC (FIELD VERIFY MLC GARAGI
VOL [™] BUS	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24	61,503 40V 1Φ 3W 225A			AMPS:	: 256 - 2 EMI-FL			AIC: MAIN: OCATION:	188 10KAIC (FIELD VERIFY) MCB EXTERIOR	TOT VOL BUS	NEW TAGE:		φΑ - 61,503 /240V 1Φ 3W 100A	CONNI	ECTED OUNT	SPE	256 B CESSED CB	DEMA	AIC: MAIN: LOCATION:	188 10KAIC (FIELD VERIFY MLC GARAGE
VOL BUS CKT	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION	61,503 40V 1Φ 3W 225A VOLT-AN			AMPS:	: 256 - 2 =MI-FL 	6 LUSH 3 V	DEMAN	AIC: MAIN: OCATION: IPERES	188 10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION CKT	TOT VOL BUS CKT	NEW TAGE: 3: LO	EL VOLT-AMPERES: EXISTING 120	φA - 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA	CONNI CONNI MPERES ΦΒ		SPE	256 CESSED CB T P	DEMA	AIC: MAIN: LOCATION: MPERES	188 10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION CK1
VOL BUS CKT	AL PANEL VOLT-AMPERES:	61,503 40V 1Φ 3W 225A VOLT-AN ΦA	CONN MPERES ØB	ECTED / IOUNTIN CB T P	AMPS: IP- NG: SE BUS A B	: 256 - 2 EMI-FL CB	6 LUSH 3 V P	DEMAN	AIC: MAIN: COCATION: PERES ØB	188 10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION CKT	TOT VOL BUS CKT	NEW TAGE: CAL PANE	ANTERES/FIASE.	φA – 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278	CONNI CONNI MPERES ΦB	OUNT CB T F 15 1	SPE	256 CESSED CB T P 20 1	ΦA 1,500	AIC: MAIN: LOCATION: MPERES ØB	188 10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION SMALL APPLIANCE 2
VOL BUS CKT	AL PANEL VOLT-AMPERES: IEW EXISTING FAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2)	61,503 40V 1Φ 3W 225A VOLT-AN ΦA	CONN MPERES ØB	ECTED / IOUNTIN CB T P 20 2	AMPS: IP- NG: SE BUS A B •	: 256 - 2 =MI-FL CB T 20	6 LUSH 3 \ P 1	DEMAN	AIC: MAIN: OCATION: PERES ØB	188 10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION CKT SPARE 2	TOT VOL BUS CKT 1 3	NEW TAGE: 3: PRIMAI	AD DESCRIPTION	φA - 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278 P	30,828 СОЛИ МРЕRES ФВ 1,278	OUNT CB T F 15 1 15 1	AMPS: SPE ING: REC BUS A B A B O A B	256 CESSED CB T P 20 1 20 1	ΦA 1,500	AIC: MAIN: LOCATION: MPERES ØB	10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION CKT SMALL APPLIANCE 2 SMALL APPLIANCE 4
VOL BUS CKT	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) RATHROOM CEST	61,503 40V 1Φ 3W 225A VOLT-AN ΦA	CONN MPERES ØB	ECTED / IOUNTIN CB T P 20 2	AMPS: IP- NG: SE BUS A B •	256 - 2 EMI-FL CB T 20 40	6 LUSH 3 V P 1 2	DEMAN	AIC: MAIN: OCATION: PERES ØB 3,250	188 10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION CKT SPARE 2 OVEN 4 0	TOT VOL BUS CKT 1 3 5	NEW TAGE: 3: PRIMAI MASTE	ANTERES/FIASE. EL VOLT-AMPERES: EXISTING 120, AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG R SUITE LTG/RECE NG / RECEPTACLES	φA = 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278 P 3 1,278	30,828 СОЛИ МРЕRES ФВ 1,278	OUNT CB T F 15 1 15 1 15 1	AMPS: SPE ING: REC BUS A B A B O A B	256 CESSED CB T P 20 1 20 1 20 1	ΦA 1,500	AIC: MAIN: LOCATION: MPERES ØB 1,500	10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION CKT SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6
VOL BUS CKT	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) BATHROOM GFCI	61,503 40V 1Φ 3W 225A VOLT-AN ΦA 180	CONN MPERES ØB	IOUNTIN CB T P 20 2 20 1	AMPS: IP- IG: SE BUS A B • •	256 - 2 -2 	6 LUSH 3 V P 1 2	ΔΕΜΑΝ ΔΕΜΑΝ Ι Ι VOLT-AΜΙ ΦΑ 3,250	AIC: MAIN: OCATION: PERES ØB 3,250	188 10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6	TOT VOL BUS CKT 1 3 5 7	NEW TAGE: 3: PRIMAI MASTE LIGHTII	ANTERES/FIASE. EL VOLT-AMPERES: EXISTING 120/ AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RSUITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES	φA = 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278 P 3 1,278	оказа 30,828 СОЛИІ МРЕRES ФВ 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1	AMPS: SPE ING: REC BUS A B A B O A B	256 CESSED CB T P 20 1 20 1 20 1 20 1 20 1	ΦA 1,800	AIC: MAIN: LOCATION: MPERES ØB 1,500 1,200	10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION CK1 SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8
 ✓ № VOL ВUS СКТ 1 3 5 7 2 	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) BATHROOM GFCI MASTER BATHROOM GFCI	61,503 40V 1Φ 3W 225A VOLT-AN ΦA 180	CONN MPERES ØB 360	ECTED / IOUNTIN CB T P 20 2 20 1 20 1 20 1	AMPS: VG: SE BUS A B • •	256 - 2 - MI-FL - CB - T - 20 - 40 - 50	6 LUSH 3 V P 1 2 3 2	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250	AIC: MAIN: OCATION: PERES ΦB 3,250 5,000	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 COOKTOP 8	TOT TOT VOL BUS CKT 1 3 5 7 9	NEW TAGE: CA	ANIFERES/FHASE. EL VOLT-AMPERES: EXISTING 120/ AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RSUITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES	ΦA = 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278 P 5 3 3 1,278	30,828 CONNI MPERES ΦB 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1	AMPS: SPE ING: REC BUS A B A B A B A B A B A B A B A B	256 CESSED CB T P 20 1 20 1 20 1 20 1 20 1 20 1 20 1	ΦA 1,500 800	AIC: MAIN: LOCATION: MPERES ØB 1,500 1,200	10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10
UOL [™] VOL [™] BUS CKT 1 3 5 7 9	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) BATHROOM GFCI MASTER BATHROOM GFCI SPARE DATHROOM GFCI	61,503 40V 1Ф 3W 225A VOLT-AN ФА 180	CONN MPERES ØB 360	ECTED / IOUNTIN CB T P 20 2 20 1 20 1 20 1 20 1	AMPS: IP- IC: SE BUS A B O O O O O O O O O O O O O	256 - 2 MI-FL CB T 20 40 50	6 LUSH 3 V 7 1 2 2 2 5	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000	AIC: MAIN: OCATION: PERES ΦB 3,250 5,000	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 COOKTOP 8 10	TOT VOL BUS CKT 1 3 5 7 9 11	NEW TAGE: CA	ANIFERES/FHASE. EL VOLT-AMPERES: EXISTING AD DESCRIPTION RY EGRESS LTG R SUITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES	ΦA = 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278 P 6 6 3 1,278	окульствой СОЛИІ СОЛИІ М МРЕКЕS ФВ 1,278 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE ING: REC BUS A B • • • • • • • • • • • • •	256 CESSED CB T P 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1	ΦA 1,500 800	AIC: MAIN: LOCATION: MPERES ΦB 1,500 1,200 1,127	10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12
VOL BUS CKT 1 3 5 7 9 11	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) BATHROOM GFCI MASTER BATHROOM GFCI SPARE BATHROOM GFCI	61,503 40V 1Φ 3W 225A VOLT-AN ΦA 180	СОNN МРЕRES ФВ 360 180	ECTED / IOUNTIN CB T P 20 2 20 1 20 1 20 1 20 1 20 1 20 1	AMPS: IP- NG: SE BUS A B • • • • • •	256 - 2 MI-FL CB T 20 40 - 50 25	6 LUSH 3 V P 1 2 2 5 2 2	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000	AIC: MAIN: 	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 COOKTOP 8 10 HEAT PUMP 12	Image: Tot i TOT VOL BUS CKT 1 3 5 7 9 11 13	NEW TAGE: CA	ANIFERES/FRASE. EL VOLT-AMPERES: EXISTING AD DESCRIPTION RY EGRESS LTG R SUITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES	φA = 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278 P 5 6 3	30,828 CONNI MPERES ΦB 1,278 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE NG: REC BUS A B • • • • • • • • • • • • •	256 CESSED CB T P 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1	ΦA 1,500 800	AIC: MAIN: LOCATION: MPERES ΦB 1,500 1,200 1,127	10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14
VOL BUS CKT 1 3 5 7 9 11	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) BATHROOM GFCI MASTER BATHROOM GFCI SPARE BATHROOM GFCI ERV	61,503 40V 1Φ 3W 225A VOLT-AN ΦA 180 300	СОNN МРЕRES ФВ 360 180	ECTED / IOUNTIN CB T P 20 2 20 1 20 1 20 1 20 1 20 1 20 1 20 1	AMPS: NG: SE BUS A B O O O O O O O O O O O O O	256 - 2 - MI-FL - CB - T - 20 - 40 - 50 - 25	6 LUSH 3 V P 1 2 2 2 5 2	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000 1,980	AIC: MAIN: AIN: 	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION LOAD DESCRIPTION CKT SPARE 2 4 OVEN 4 6 8 10 10 HEAT PUMP 14	Image: Total Total Total VOL BUS CKT 1 3 5 7 9 11 13 15	NEW TAGE: 3: PRIMAI MASTE LIGHTII LIGHTII LIGHTII SPARE SPACE	ANIFERES/PHASE. EL VOLT-AMPERES: EXISTING 120/ AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RSUITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES	φA = 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278 P 5 5 6 6 1,278	30,828 CONNI MPERES ΦB 1,278 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE ING: REC BUS A B A B •	256 CB CB T P 20 1 20 20 20 20 20 20 20 20 20 20	0 0 VOLT-AI ΦA 1,500 1,800 800	AIC: MAIN: LOCATION: MPERES ΦB 1,500 1,200 1,127	10KAIC (FIELD VERIFY MLC GARAGI LOAD DESCRIPTION SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14 SPARE 16
VOL BUS CKT 1 3 5 7 9 11 13 13	AL PANEL VOLT-AMPERES: IEW EXISTING FAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) BATHROOM GFCI MASTER BATHROOM GFCI SPARE BATHROOM GFCI ERV OUTDOOR GFCI OUTDOOR GFCI	61,503 40V 1Φ 3W 225A VOLT-AN ΦA 180 300	СОNN ИPERES ФВ 360 180 360	ECTED / IOUNTIN CB T P 20 2 20 1 20 1 20 1 20 1 20 1 20 1 20 1	AMPS: NG: SE BUS A B O O O O O O O O O O O O O	256 2 2 2 2 2 2 2 2	6 LUSH 3 V P 1 2 2 2 2 2 2	ΔΕΜΑΝ ΔΕΜΑΝ Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000 1,980	AIC: MAIN: AIN: 	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 COOKTOP 8 10 10 HEAT PUMP 12 14 AIR HANDLER	Image: Total Total Total VOL BUS CKT 1 3 5 7 9 11 13 15 17	NEW TAGE: 3: PRIMAI MASTE LIGHTII LIGHTII LIGHTII LIGHTII SPARE SPACE	AN PERES/PHASE. EL VOLT-AMPERES: EXISTING 120/ AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RSUITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES	φA = 61,503 /240V 1Φ 3W 100A VOLT-AI ΦA 1,278 P 5 5 6 6 6 6 6	30,828 CONNI MPERES ΦB 1,278 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE ING: REC BUS A B A B •	256 CESED CB T P 20 1 20	0 0 VOLT-AI ΦA 1,500 1,800 800	AIC: MAIN: LOCATION: MPERES ΦB 1,500 1,200 1,127	10KAIC (FIELD VERIFY MLC GARAGI LOAD DESCRIPTION SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14 SPARE 16 SPARE 18
VOL BUS CKT 1 3 5 7 9 11 13 15 17	AL PANEL VOLT-AMPERES:	61,503 40V 1Φ 3W 225A VOLT-AN ΦA 180 300	СОNN ИPERES ФВ 360 180 360	ECTED / IOUNTIN CB T P 20 2 20 1 20 1 20 1 20 1 20 1 20 1 20 1	AMPS: P- NG: SE BUS A B O O O O O O O O O O O O O	256 2 2 2 2 2 2 2 3 1 5 1 5 1 5 1 1 1 1 1 1 1 1	6 LUSH 3 V P 1 2 2 2 5 2 2 2	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000 5,000 1,980 1,980	AIC: MAIN: AIN: 	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 COOKTOP 8 10 10 HEAT PUMP 12 14 14 AIR HANDLER 18	Image: Total Total Total VOL BUS CKT 1 3 5 7 9 11 13 15 17 19	AL VOLT AL PANE TAGE: 3: PRIMAI MASTE LIGHTII LIGHTII LIGHTII LIGHTII SPARE SPACE SPACE	ANTERES/PHASE. EL VOLT-AMPERES: EXISTING 120/ AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RSUITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES ING / RECEPTACLES	φA = 61,503 /240V 1Φ 3W 100A ΦA 1,278 P 5 6 5 6	30,828 CONNI MPERES ΦB 1,278 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE ING: REC BUS A B A B •	256 CB CB T P 20 1 20 20 20 20 20 20 20 20 20 20	0 VOLT-AI ΦA 1,500 1,800 800	AIC: MAIN: LOCATION: MPERES ΦB 1,500 1,200 1,127	10KAIC (FIELD VERIFY MLC GARAGI LOAD DESCRIPTION SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14 SPARE 16 SPARE 18 SPACE 20
VOL BUS CKT 1 3 5 7 9 11 13 15 17 17	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) BATHROOM GFCI MASTER BATHROOM GFCI SPARE BATHROOM GFCI ERV OUTDOOR GFCI SPARE GARAGE GFCI	61,503 40V 1Φ 3W 225A VOLT-AN ΦA 180 300	СОNN ИPERES ФВ 360 180 360 1,200	ECTED / IOUNTIN CB T P 20 2 20 1 20 1 20 1 20 1 20 1 20 1 20 1	AMPS: BUS A B O O O O O O O O O O O O O	256 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	6 LUSH 3 V P 1 2 2 2 2 2 2 2	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000 1,980 1,980	AIC: MAIN: .OCATION: PERES ΦB 3,250 5,000 1,980 504 7,661	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 2 OVEN 10 12 14 14 AIR HANDLER 16 18 PANEL SPB (BACK-UP 20 LOADDS) VIA CATEWAY	Image: Total Total Total VOL BUS CKT 1 3 5 7 9 11 13 15 17 19 21	AL VOLT AL PANE NEW TAGE: 3: PRIMAI MASTE LIGHTII LIGHTII LIGHTII LIGHTII SPARE SPACE SPACE SPACE	ANTERES/PHASE. EL VOLT-AMPERES: EXISTING 120/ AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RSUITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES	ΦA = 61,503 /240V 1Φ 3W 100A ΦA 1,278 P 3 3 1,278 S 3 1,278 S 3 1,278 S 1,278 S - - - -	30,828 CONNI MPERES ΦB 1,278 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE ING: REC BUS A B A B •	256 CB T P 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1	0 VOLT-AI ΦA 1,500 1,800 800	AIC: MAIN: LOCATION: MPERES ΦB 1,500 1,200 1,127 1,127	10KAIC (FIELD VERIFY MLC GARAGI LOAD DESCRIPTION SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14 SPARE 16 SPARE 18 SPACE 20 SPACE 22
VOL BUS CKT 1 3 5 7 9 111 13 15 17 19 21	AL PANEL VOLT-AMPERES:	61,503 40V 1Ф 3W 225A VOLT-AN ФА 180 180 300 2,880	СОNN ИPERES ФВ 360 180 360 1,200	ECTED / IOUNTIN CB T P 20 2 20 1 20 1 20 1 20 1 20 1 20 1 20 1	AMPS: JP- NG: SE BUS A B • • • • • • • • • • • • •	250 2 2 2 2 2 3 1 5 1 5 1 5 1 1 1 1 1 1 1 1	6 LUSH 3 V P 1 2 2 2 2 2 2 2 2 7	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000 1,980 504 504 7,934	AIC: MAIN: .OCATION: PERES ФВ 3,250 5,000 1,980 504 7,661	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 0VEN 10 10 HEAT PUMP 12 14 16 18 PANEL SPB (BACK-UP 20 LOADS) VIA GATEWAY 22	Image: Total Total Total VOL BUS CKT 1 3 5 7 9 11 13 15 17 19 21 23	AL VOLT AL PANE NEW TAGE: 3: PRIMAI MASTE LIGHTII LIGHTII LIGHTII LIGHTII SPARE SPACE SPACE SPACE SPACE	ANTERES/PHASE. EL VOLT-AMPERES: EXISTING 120/ AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RS UITE LTG/RECE NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES	ΦA = 61,503 /240V 1Φ 3W 100A ΦA 1,278 P 3 3 3 4,278 5 6 1,278 6 1,278 6 1,278 6 1,278	30,828 CONNI MPERES ΦB 1,278 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE ING: REC BUS A B A B A B A B A B A B B A B	256 CB T 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1	ΦΒ VOLT-AI ΦA 1,500 1,800 800	AIC: MAIN: LOCATION: MPERES ΦB 1,500 1,200 1,127 1,127	10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14 SPARE 16 SPARE 18 SPACE 20 SPACE 22 SPACE 24
VOL BUS CKT 1 3 5 7 9 11 13 15 17 19 21 23	AL PANEL VOLT-AMPERES: IEW EXISTING TAGE: 120/24 LOAD DESCRIPTION SPD (TYPE 1 OR 2) BATHROOM GFCI MASTER BATHROOM GFCI SPARE BATHROOM GFCI ERV OUTDOOR GFCI SPARE GARAGE GFCI WATER HEATER RECEP	61,503 40V 1Φ 3W 225A VOLT-AN ΦΑ 180 300 2,880	CONN MPERES ΦB 360 180 1,200 2,880	ECTED / IOUNTIN CB T P 20 2 20 1 20	AMPS: JP- NG: SE BUS A B • • • • • • • • • • • • •	250 -2 MI-FL CB T 20 40 50 25 15 60 50	6 LUSH 3 V P 1 2 2 2 2 2 2 2 2 7 2	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000 1,980 1,980 504 7,934	AIC: MAIN: .OCATION: IPERES ФВ 3,250 5,000 1,980 504 7,661 4,800	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 2 OVEN 4 6 10 12 14 14 AIR HANDLER 16 18 PANEL SPB (BACK-UP 20 LOADS) VIA GATEWAY 22 INSTALLED EV CHARGER	Image: Total Total Total VOL BUS CKT 1 3 5 7 9 11 13 15 17 19 21 23 SUB	AL VOLT AL PANE NEW TAGE: 3: PRIMAI MASTE LIGHTII LIGHTII LIGHTII LIGHTII SPARE SPACE SPACE SPACE SPACE SPACE SPACE	ANTERES/PHASE. EL VOLT-AMPERES: EXISTING 120/ AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RS / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES IG / RECEPTACLES IG / RECEPTACLES	ΦA = 61,503 /240V 1Φ 3W 100A ΦA 1,278 P 3 3 3 3 4 1,278 9 3 3 3 3 3 3 3 3 3 3 3,834	оказа СОЛNI СОЛNI МРЕRES ФВ 1,278 1,278 1,278 1,278 1,278 1,278 1,278 1,278	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE ING: REC BUS A B A B A B A B A B A B A B A B	256 CESSED CB 7 P 20 1 20	 ΦΒ – DEMA ΦΑ 1,500 1,800 800 4,100 	AIC: MAIN: LOCATION: MPERES ØB 1,500 1,200 1,127 3,827	10KAIC (FIELD VERIFY IOKAIC (FIELD VERIFY GARAGE LOAD DESCRIPTION CK1 SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14 SPARE 14 SPARE 16 SPARE 16 SPARE 18 SPACE 20 SPACE 22 SPACE 24 SPACE 24
VOL BUS CKT 1 3 5 7 9 11 13 15 17 19 21 23 25	AL PANEL VOLT-AMPERES:	61,503 40V 1Φ 3W 225A VOLT-AN ΦΑ 180 300 2,880 2,500	CONN MPERES ΦB 360 180 1,200 2,880	ECTED / TOUNTIN CB T P 20 2 20 1 20 2 20 2 20 2 20 1 20 2 20	AMPS: JP- JG: SE BUS A B • • • • • • • • • • • • •	250 2 2 2 2 3 4 1 5 1 5 6 5 5 1 1 1 1 1 1 1 1	6 LUSH 3 V P 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ΔΕΜΑΝ ΔΕΜΑΝ Α Ν Ι L VOLT-AΜΙ ΦΑ 3,250 5,000 1,980 5,000 1,980 5,000 1,980 5,000 4,800	AIC: MAIN: .OCATION: IPERES ФВ 3,250 5,000 1,980 504 7,661 4,800	10KAIC (FIELD VERIFY) MCB EXTERIOR LOAD DESCRIPTION LOAD DESCRIPTION CKT SPARE 2 OVEN 4 6 COOKTOP 8 10 12 14 16 18 PANEL SPB (BACK-UP 20 LOADS) VIA GATEWAY 22 INSTALLED EV CHARGER 24 25	Image: Image of the second	AL VOLT AL PANE NEW TAGE: 3: DEN PRIMAI MASTE LIGHTII LIGHTII LIGHTII LIGHTII SPARE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	AMPERES/PHASE. EL VOLT-AMPERES: EXISTING 120, AD DESCRIPTION RY EGRESS LTG RY EGRESS LTG RY EGRESS LTG RY EGRESS LTG RY EGRESS LTG RECEPTACLES NG / RECEPTACLES NG / RECEPTACLES I T-AMPERES/PHASE:	ΦA = 61,503 /240V 1Φ 3W 100A ΦA 1,278 P 3 3 1,278 3 <td>оказа СОЛNI СОЛNI МРЕRES ФВ 1,278 1,2</td> <td>OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15</td> <td>AMPS: SPE ING: REC BUS A B A B A B A B A B A B A B A B</td> <td>256 CESSED CB T P 20 1 20 1 20</td> <td> ΦB = DEMA ΦA 1,500 1,800 800 4,100 ΦB = </td> <td>AIC: MAIN: LOCATION: MPERES ØB 1,500 1,200 1,200 1,127 3,827 7,661</td> <td>10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION CK1 SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14 SPARE 14 SPARE 16 SPARE 18 SPARE 18 SPACE 20 SPACE 22 SPACE 24 SUBTOTAL</td>	оказа СОЛNI СОЛNI МРЕRES ФВ 1,278 1,2	OUNT CB T F 15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	AMPS: SPE ING: REC BUS A B A B A B A B A B A B A B A B	256 CESSED CB T P 20 1 20	 ΦB = DEMA ΦA 1,500 1,800 800 4,100 ΦB = 	AIC: MAIN: LOCATION: MPERES ØB 1,500 1,200 1,200 1,127 3,827 7,661	10KAIC (FIELD VERIFY MLC GARAGE LOAD DESCRIPTION CK1 SMALL APPLIANCE 2 SMALL APPLIANCE 4 MICROWAVE/HOOD 6 DISHWASHER 8 REFRIGERATOR 10 DISPOSAL 12 SPARE 14 SPARE 14 SPARE 16 SPARE 18 SPARE 18 SPACE 20 SPACE 22 SPACE 24 SUBTOTAL

VOLT	TAGE: 120/24	0V 1Φ 3W			U	Г		4			MAIN:		MCB
BUS:		225A	M	OUN	1TIN	۱G:	SE	MI-F	=LU	ISH	LOCATION:	EXTER	RIOR
CKT		VOLT-AN	MPERES	С	В	Вι	JS	С	В	VOLT-A	MPERES		CKT
ORT	EOAD DESCRIPTION	ФА	ΦВ	Т	Ρ	А	В	Т	Ρ	ФА	ΦВ	EOAD DESCRIPTION	ONT
1				20	2	٠		20	1			SPARE	2
3				20	2		٠	40	2		3,250		4
5	BATHROOM GFCI	180		20	1	٠		-0	1	3,250		OVEN	6
7	MASTER BATHROOM GFCI		360	20	1		٠	50	2		5,000	COOKTOP	8
9	SPARE			20	1	٠		00	1	5,000		0001(101	10
11	BATHROOM GFCI		180	20	1		۲	25	2		1,980		12
13	ERV	300		15	1	٠		20	4	1,980		HEAT FORM	14
15	OUTDOOR GFCI		360	20	1		٠	15	2		504		16
17	SPARE			20	1	٠		10	-	504		AIRTIANDEER	18
19	GARAGE GFCI		1,200	20	1		٠	60	2		7,661	PANEL SPB (BACK-UP	20
21	WATER HEATER RECEP	2,880		30	2	٠		00	-	7,934		LOADS) VIA GATEWAY	22
23	WATERTIE/TERTIEOEI		2,880	00	2		٠	50	2		4,800	INSTALLED EV CHARGER	24
25	DRYFR	2,500		30	2	٠		00	-	4,800			26
27	BRIER		2,500	00	2		٠		2			RESERVED FOR	28
29	LAUNDRY	1,500		20	1	•			2			SOLAR ELECTRIC ²	30
SUB	TOTAL:	7,360	7,480							23,468	23,195	:SUBTO	DTAL
TOTA	AL VOLT-AMPERES/PHASE:	ΦA =	30,828				1			ΦB =	30,675		
TOTA	AL PANEL VOLT-AMPERES:	61,503	CONNE	CT	ED .	AM	PS:	2	56	DEMA	ND AMPS:	190	

UNIT PANEL SCHEDULES

² RESERVED SPACE TO ALLOW FOR INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INPUT FEEDER LOCATION OR MAIN CIRCUIT LOCATION. BREAKER TO BE SIZED BASED ON SOLAR SYSTEM SIZE, TO BE VERIFIED AND INSTALLED BY SOLAR CONTRACTOR.

SCHEDULES



C Santee DO MORE + DUE EAST PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT

TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions. 2022 California Building Standard Codes

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

FOR JU	RISDI	CTION U	SE:	
Structural	Necriariicai Electrical	Plumbing	toll free 800.877.1430	www.harrisandsloan.com
	2295 Gateway Oaks Dr.	Sacramento, CA 95833	IOan tel 916.921.2800 fax 916.921.2878	
			harris & s	
PROJECT: PROSPECT GARDENS	SANTEE, CA 92071	CLIENT: KB HOME - COASTAL	9915 MIRA MESSA BLVD SUITE 100 SAN DIEGO. CA 92131	
PROJEC DESIGN DRAWN CHECKE	ER: BY: D BY DATE:	NAGER:	AS NN SAI AS 09-15-	л л 2023
REVISIC	DNS: ENT ¢ CL VS	REV IENT (11-08-202 02-23-20	23 24
STAMP				
REG/SZ		ECTRIC CALIS	MA CINEER + F	
PLAN NUMBER SHEET TITLE:	2:			
L S SCALE:	JNI CH	T PA IEDU	NEL JLES	
SHEET NUMBER	2: MBER	N 2: H5233	.2)



OPT. BDRM. 5 W/ BATH 3



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MATCHLINE





OPT. BDRM. 5 W/ BATH 3



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MATCHLINE



OPT. DEN W/ POWDER



CONDUIT FOR SOLAR, ROUTE TO ROOF-APPROVED ELECTRODE CONDUCTOR -FLUSH MOUNT CABLE / TELEPHONE SERVICE BOX -FLUSH MOUNT ELECTRIC METER/ SERVICE PANEL

LIGHT AND SWITCH OCCURS ONLY AT -







OPT. BED 6



ELEVATION A



Inter with a state of the state of		Image: 1 Image: 2	Unit Unit No. No. No. No. No. No. Production 2 / 20	FIXTURE	PROB	FLOW	I RATE (GPM)	FIXTURE	PROB	FLOM	I RATE ((GPM)
VALUE 2 (a) 1 (a) <th< th=""><th></th><th></th><th></th><th>WATER CLOSET (WC)</th><th>USE 1.0%</th><th>W5 3.0</th><th>CW 3.0</th><th>нм ' 0.0</th><th>CLOTHES WASHER (CW)</th><th>USE 5.5%</th><th>WS 3.5</th><th>CW 3.5</th><th>HW ' 3.5</th></th<>				WATER CLOSET (WC)	USE 1.0%	W5 3.0	CW 3.0	нм ' 0.0	CLOTHES WASHER (CW)	USE 5.5%	WS 3.5	CW 3.5	HW ' 3.5
NUMBER CONTROL (10) Lot E.0		III III III III III III III III III II		LAVATORY (LAV)	2.0%	1.2	1.2	1.0	SINK (SINK)	2.0%	2.2	2.2	1.8
Care (19) Care (20) Care (20) <thcare (20)<="" th=""> Care (20) <thcare (20)<="" th=""> Care (20) <thcare (20)<="" th=""> <thcare (20)<="" th=""> <thcar< td=""><td>Control Control <</td><td><pre> set def (1) <u>1 is 1 i</u></pre></td><td>Carl 16 J</td><td>BATHTUB (BT)</td><td>1.0%</td><td>5.5</td><td>5.5</td><td>4.0</td><td>DISHWASHER (DW)</td><td>0.5%</td><td>1.3</td><td>0.0</td><td>1.3</td></thcar<></thcare></thcare></thcare></thcare>	Control <	<pre> set def (1) <u>1 is 1 i</u></pre>	Carl 16 J	BATHTUB (BT)	1.0%	5.5	5.5	4.0	DISHWASHER (DW)	0.5%	1.3	0.0	1.3
Independent of exploring where the process water period by the peri			 The second sec	TUB/SHOWER (TS) ²	4.5%	5.5	5.5	4.0	HOSE BIBB (HB)	N/A ³	2.04	2.0	0.0
	<text></text>			HW DEMAND REDUC TUB/SHOWER FLOWS HOSE BIBB DEMAND I. 1.0 GPM DEMAND IS	TIONS, WHE S AND PROSS ARE CO S ARE CO S ADDED F	LERE TH OBABILIT DNSIDERE FOR EVEN	EY OCCU TIES ARE ED SEPAI RY HOSE	R, ARE I CONSER RATE FR BIBB AI	ASED ON FIXTURE WATER VATIVELY BASED ON TUB F OM BUILDING DEMAND AND TER THE FIRST.	MIXING F IXTURE ADDED	REQUIRE RUNNING TO THE	L MENTS. 7. TOTAL	FLOWS.
EX. TABLE CONES IN CONTRACT WITH HALL OF FLOOR, JOINT SHALL BE HADE MATERIATI. MESS MA SUP JOINT CONNECTIONS TO HAVE THE INFORMATION AND AND SHALT BE ANTER TRUCTION FOR INFORMATION AND SHALT DATA SUPERVISED. MESS MAD SING. MESS AND SING.			 TUTURE CONTROL NOTING THE ANALL OK LEGY, JOHN FALL BE PADE ANTENDED. TOTALE CONTROL TO AN OPENING THE ANALL OKATES (AN OFFEN DE TRADE AND THE TARE TO ANALL OF THE ORDER TO AN OPENING THE ANALL ON THE CONTROL AND THE PADE AND THE TARE TO ANALL OF THE ORDER TO AN OPENING THE ANALL ON THE ORDER AND THE PADE AND THE ANALL OF THE ORDER TO AN OPENING THE ANALL ON THE ORDER AND THE PADE AND THE ANALL OF THE ORDER AND AND AND THE ANALL OF THE ORDER AND AND AND AND AND AND AND AND AND AND	FER TO ARCHITECTURAL FER TO ARCHITECTURAL L FIXTURES SHALL BE PPLY PIPES OR INTEGR	FURNISHEI AL WITH S	GELLET GS FOR D WITH A GUPPLY	ED AND EXACT L ANGLE-S FITTINGS	OCATION TOP OR	5 OF FIXTURES AND MOUNT OTHER APPROVED SHUT-OF	ING HEIG F VALVE	HTS. S. VALV	'ES MAY	BE IN
Remain values of outpending methods with full bord and values in the constraints and the private with the constraints and the	<text></text>		 And a second s	IERE FIXTURE COMES IN		WITH M	IALL OR	FLOOR, N 12"X12"	JOINT SHALL BE MADE WAT	ERTIGHT	TIONS F	OR INSF	PECTION
P-LOCKIN HYLCH STREPS. HIS AND SINC TAAMPUM TADA RATE OF RESIDENTIAL LAVATORY FALLETS SHALL NOT EXCEED 12 GALLONS PER FINITE AT 40 FAATRUM TADA RATE OF RESIDENTIAL LAVATORY FALLETS SHALL NOT EXCEED 12 GALLONS PER FINITE AT 40 FAATRUM TADA RATE OF RESIDENTIAL LAVATORY FALLETS SHALL NOT EXCEED 12 GALLONS PER FINITE AT 40 FAATRUM TADA RATE OF RITCHIN FALCETS SHALL NOT EXCEED 13 GALLONS PER FINITE AT 40 FAATRUM TADA RATE OF RITCHIN FALCETS SHALL NOT EXCEED 14 GALLONS PER FINITE AT 40 FAATRUM TADA RATE OF RITCHIN FALCETS SHALL NOT EXCEED 14 GALLONS PER FINITE FAATRUM TADA RATE OF RITCHING TO THE FINITE AT 100 EXCENT FAATRUM RESIDENTIAL BULDINGS SHALL NOT DELIVER FORE THAN 12 GALLONS PER FINITE AT 50 FINITE AT 40 EXCENT FAATRUM RESIDENTIAL BULDINGS SHALL NOT DELIVER FORE THAN 12 GALLONS PER FINITE AT 50 FINITE AT 40 EXCENT FAATRUM RESIDENTIAL BULDINGS SHALL NOT DELIVER FORE THAN 12 GALLONS PER FINITE AT 50 FINITE AT 40 EXCENT FAATRUM RESIDENTIAL SUDDINGS OF THE SHALL NOT DELIVER FORE THAN 15 GALLONS PER FINITE AT 50 FINITE AT 40 EXCENT FAATRUM RESIDENTIAL TATE OF 100 FINITE AT 100 EXCENT FAATRUM RESIDENTIAL TATE OF 100 FINITE AT 100 EXCENT FAATRUM RESIDENTIAL TATE OF 100 FINITE AT 100 EXCENT FAATRUM RESIDENTIAL AT 40 PSI, 00 THE 50 GALLONS PER FINITE AT 40 PSI, 00 EXCENT FAATRUM RESIDENTIAL AT 4	 Luccia and a real of the second state of the second state		Leards much of man. Leards much of muc	T ADA ACCESSIBLE PLUP RO-EXTREME" ONE-PIECI	"BING FIX E PROTEC	TURES, 1 TORS WI	PROVIDE	WRAP C ROTATI	99 PANEL. N WASTE & WATER PIPING I ON OPTION AND 3-M DUAL	JNDER F LOCK FA	IXTURE. STENER	USE PLI S SECUR	UMBEREX RED WITH
Have then FLOW BATE OF RESIDENTIAL LAY TOY FAULCES SHALL NOT EXCEED 1.2 GALLONG PER HINTE AT 60 ML AT 70 YO BU. THE AT 70 YO AND THE AT 70 YO THE FUNCTION AT 70 YO THE AT 70 YO THE AT 70 YO FT 70 YO AND THE AT 70 YO FT. THE AT 70 YO BU. THE AT 70 YO BU. THE AT 70 YO AND THE AT 70 YO THE FUNCTION AT 70 YO THE AT 70 YO THE AT 70 YO FT. THE AT 70 YO BU. THE AT 70 YO AND THE AT 70 YO THE FUNCTION AT 70 YO THE AT 70 YO THE AT 70 YO THE AT 70 YO AND THE 70 YO A	 Particle 1994 ANT OF A BARRENT LA LANTON PARTY BALE IN THE PARTY PARTY IN A 1997 AND A 199	 The numerical care of period and of the second state of the second of the second state of the sec		ELF-LOCKING NYLON STR TORIES AND SINKS:	RIPS.								
			 Monthy Tupo Markelle P. KOTERIE FALLERS & MALL AND EXCEND IS SALED PERFORMED. AT A DEPLACION. MONTHY TON MARKELLES ARE LANAALAMER, ARANGES OF CHER PARE HAR THE USED TO ALL HAR RELECTION. MARKELLES ARE LANAALAMER, ARANGES OF CHER PARE HAR THE USED TO ALL HAR RELECTION. MARKELLES ARE LANAALAMER, ARANGES OF CHER PARE HAR THE USED TO ALL HAR RELECTION. MARKELLES ARE LANAALAMER, ARANGES OF CHER PARE HAR THE USED TO ALL HAR RELECTION. MARKELLES ARE LANAALAMER, ANAYON FOR AREA OF THE THAN THE USED TO ALL HAR RELECTION. MARKELLES ARE LANAALAMER, ANAYON FOR AREA OF THE THAN THE USED TO ALL HAR RELECTION. MARKELLES AREAL HAR ANAYON FOR A SALE OF THE THAN THE USED TO ALL HAR RELECTION. MARKELLES AREAL HAR ANAYON FOR THE BARGES BARD HAR THE MARKET HAR THAN THE ALL ALL HAR RELECTION. MARKELLES AREAL HAR ANAYON FOR A SALE OF THE THAN THE ALL ALL HAR THAN THE ALL THAN THE ALL THAN THE ALL ALL HAR THAN THE ALL ALL HAR THAN THAN THAN THAN THE ALL ALL THAN THE ALL ALL THAN THAN THAN THAN THAN THAN THAN THAN	HE MAXIMUM FLOW RATE 51. THE MINIMUM FLOW R INUTE AT 20 PSI.	OF RESIL	DENTIAL RESIDENT	LAVATO	RY FAUC ATORY F	ETS SHALL NOT EXCEED 1.2 AUCETS SHALL NOT BE LES	GALLON 55 THAN	S PER I 0.8 GAI	LONS P	AT 60 ER
			<pre>Yeak Processory Control of the Control of State Processory of State Processory of State Processory Control of</pre>	IE MAXIMUM FLOW RATE	OF KITCH	IEN FAU	CETS SH	ALL NOT BOVE TH	EXCEED 1.8 GALLONS PER I	MINUTE , EXCEEI	AT 60 P 2.2 G/	SI. KITC	HEN PER
				MUTE AT 60 PSI, AND P MPLYING FAUCETS ARE	UNAVAILA	BLE, AE	RATORS	OR OTH	W RATE OF 1.8 GALLONS PE ER MEANS MAY BE USED T DELIVER MORE THAN 0.2 GA	O ACHIEN	E AT 6 /E REDL PER CYC	U PSI. M JCTION.	HERE
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				HOWERHEADS SHALL BE HOWERHEADS SHALL BE HOWERHEADS. WHEN SING	CERTIFIED	TO THE	JRES ARI	M RATE RMANCE E SERVE	CRITERIA OF THE U.S. EPA O BY MORE THAN ONE SHOULD UTUETS CONTROLLED BY A	WATERS	ENSE SI		TION FOR TION FOR D FLOW
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LLOBE 193 EFFECTIVE FLUSH VOLUME OF ALL MATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE DEPERCITVE FLUSH VOLUME OF THE PERFORMANCE CRITERIA OF THE U.S. (PAR WATERSENSE SPECIFICATION WATER FLUSH VOLUME OF THE REDUCE THE MEMORY PARCE CRITERIA OF THE U.S. (PAR WATERSENSE & SPECIFICATION WATER FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF URINALS SHALL NOT EXCEED 0.128 GALLONS PER FLUSH. EFFECTIVE FLUSH VOLUME OF UNIT OF URINALS SHALL DE ANCHORED TO REVENT STRAIN ON PER VARIAN IN DRAIN TO BE APPROVED TYPE W/ WATERTIGHT JOINT IN FLOOR, HIN I' AIR GAP, AND APPROVED-TYPE NUMER W/ WATERNA'T GOUVARD TO TO CROSS-SECTIONAL AREA OF TAILIFECC. ALL V2' TRAP PRIMER AT ALL FLOOR DRAINS. AT BUILDER OFTICH, WITH APPROVAL FROM AUTIORITY HAVING SOCION, PROSET TRAP GUARD OR ICC APPROVED EQUIVALENT MAY BE USED AS ALTERNATE TO TRAP PRIMER. EXECUTIVE TRAP PRIMER AT ALL FLOOR DRAINS. AT BUILDER OFTICH, WITH APPROVAL FROM AUTIORITY HAVING SOCION, PROSET TRAP GUARD OR ICC APPROVED EQUIVALENT MAY BE USED AS ALTERNATE TO TRAP PRIMER. EXECUTIVE, NOT ON AN EXECUTIVE THAN AND FIRST EXTING. EXEL AC SOLUMENTS. HEATERS: EXALL REQUIREMENTS. NATER HEATER TO INFORM ENERGY PACTOR (UEF) SPECIFIED PER TITLE 24 DOCUMENTS AND SHALL COMPLY INTEL LOCAL MON REQUIREMENTS. NATURE AND AN EXECUTIVE MATER HEATER NOT FIRST HOUR AND THAT TRANSPRUCTIONS. TEMPERATURE TO TRAP PROVIDE CASA DATE HEATER AND FIRST HAVE RELIEF REAL THE STALLOT INSTRUCTIONS. TE				OWER & TUB-SHOWER C OTECTION AND SHALL I	OMBOS SH DELIVER M	IALL HAY	VE INDIV ATER AT	IDUAL CO 120°F MA	NTROL VALVES THAT PRON X.	/IDE SCA	LD AND) THERM	AL SHOCK
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E BIBBS SHALL NOT BE SUPPORTED BY PEX TUBING, HOSE BIBBS SHALL BE ANCHORED TO PREVENT STRAIN ON PEX NOR.NN. WE DRAIN TO BE APPROVED-TYPE W/ WATERTIGHT JOINT IN FLOOR, MIN I" AIR GAP, AND APPROVED-TYPE ANNEE W/ WATERTHAT EQUIVALENT TO CROSS-SECTIONAL AREA OF TAILPIECE. ALL 1/2" TRAP PRIMER AT ALL FLOOR DRAINS. AT BUILDER OPTION, WITH APPROVAL FROM AUTHORITY HAVING SDICTION, PROSET TRAP GUARD OR ICC APPROVED EQUIVALENT MAY BE USED AS ALTERNATE TO TRAP PRIMER. CUIPMENT AND CAPPOLIDANCES HEATERS: ERAL REQUIREMENTS: WATER HEATER TO MEET UNIFORM ENERGY FACTOR (UEF) SPECIFIED PER TITLE 24 DOCUMENTS AND SHALL COMPLY WITH LOCAL LOW NOX REQUIREMENTS. NOTALL WATER HEATER IN A ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. TEMPERATURE TO BE STAL TOOP THIN, LOW MAX, REQUIREMENTS. NOTALL WATER HEATER IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. TEMPERATURE TO BE STAL 100°F THIN, MOOF MAX, WHERE TEMPERATURE SET ABDOKE 20°F, ROVIDE THERMOSTATIC MIXING VALVE AT INFT HATER PRESSURE AND TEMPERATURE RELIEF DRAIN THAT TERMINATES OUTSIDE THE BUILDING SHALL ONTHAT WHATER HEATER IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION. NATER HEATER PRESSURE AND TEMPERATURE RELIEF DRAIN THAT TERMINATES OUTSIDE THE BUILDING SHALL ONTHAL WATER HEATER MAN FREATE AND FIRST FUTURE. NATER HEATER PRESSURE AND TEMPERATURE RELIEF DRAIN THAT TERMINATES OUTSIDE THE BUILDING SHALL ONTHE'S WATER HEATERS IN DE INSTALLED WITH ISOLATION VALVE ON HOT 4 COLD WATER HIST INSTALL GAS MATER HEATERS INSTALL ASS MATER HEATER MIN 'S' ABOVE FLOOR, WHERE INSTALLED IN GARGE, LOCATE OUT OF DIRECT PATH OF VEHICLES OF PROVIDE DULLARD REGULARD. REQUIDE DEDICATED JESV, 20A ELECTRICAL RECEPTACLE WITHIN 1/2" DEEP DRAINAGE PAN W/ 3/4" DRAIN LINE THE ISOLUTION SONNECKS. REQUIDE DEDICATED JESV, 20A ELECTRICAL RECEPTACLE WITHIN 1/2" DEEP DRAINAGE PAN W/ 3/4" DRAIN LINE THE ISOLUTION SONNECKS. REQUIDE DEDICATED JESV, 20A ELECTRICAL RECEPTACLE WITHIN 1/20" OF MATER HEATER, SHALLE FOR THE HARDER SHALL BE DREPORTED AND AS CODDUCTOR, IN ANGOVERE				HOSE BIBBS SHALL B	BE 3/4" AN E A NON-F	ID MOUN	TED AT	18" ABOV -SIPHON	E FINISHED GRADE, UNLESS	OTHER	NISE NC	TED. M BREAK	(FR)
DRAIN: R DRAIN DE APPROVED_TYPE W/ MATERITIGHT JOINT IN FLOOR, MIN I' AIR GAP, AND APPROVED-TYPE NAMER W/ WATERNAY EQUIVALENT TO CROSS-SECTIONAL AREA OF TAILPIECE. ALL /2' TRAP PRIVER AT ALL FLOOR DRAINS, AT BUILDER OPTICN, WITH APPROVAL FROM AUTHORITY HAVING SOLICITON, PROSET TRAP GUARD OR ICC APPROVED EQUIVALENT MAY BE USED AS ALTERNATE TO TRAP PRIVER. CUIPMENT AND APPLIANCES HEATERS: ERAL REQUIREMENTS: WITH ILCAL LOW NOV. REQUIREMENTS. NUTHER HEATER TO MEET UNFORM ENERGY FACTOR (UEP) SPECIFIED PER TITLE 24 DOCUMENTS AND SHALL COMPLY INTH LOCAL LOW NOV. REQUIREMENTS. NUTHER HEATER IN A ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. TEMPERATURE TO BE EFT AT LOWF TIM, MOOF TRAX. WHERE TEMPERATURES SET ADDOVE 120F, PROVIDE THERMOSTATIC MIXING VALVE AT INT ALCAL LOW NOV. REQUIREMENTS. NATURE HEATER NERGESURE AND TEMPERATURE SET ADDOVE 120F, PROVIDE THERMOSTATIC MIXING VALVE AT INT ALCAL LOW NOV. REQUIREMENTS. NATURE HEATER REBESSING AND TEMPERATURE SET ADDOVE 120F, PROVIDE THERMOSTATIC MIXING VALVE AT INT ALL CAS LOW NOV. REQUIREMENTS. NATURE HEATER PRESSING AND TEMPERATURE RELIEF DRAIN THAT TERMINATES OUTSIDE THE BUILDING SHALL OFFLY WITH COT SECTION 64. NETSUL GAS MATER HEATER INTELL GAS MATER HEATER INTELL GAS MATER HEATER INTELL GAS MATER HEATER NOTALL GAS MATER HEATER MIN 1-4' ADOVE FLOOR. HHERE INSTALLED IN A ATTIC, WITH A FLOOR CLUMG SOBEIDLY, OR WITHIN A ROOF/CELLING ASSEMBLY, INSTALL MIN I 12'' DEED DRAINAGE PAN W 3/4'' DRAIN LINE TELT TO BUILDING ORTINGUES CONNECTION. MEERE INSTALLED AS SEMILES ON AW 3/4'' DRAIN LINE TELT SOULDING DEDILART PROTECTION. MEERE INSTALLED AS SOULDTONE, IN ALCOEPPER PROVIDE DEDILATED 125V, 20A ELECTRICAL RECEIPTACLE WITH 12/0/2400 3 CONDUCTOR, TO ANA COPPER PROVIDE DEDILATED ISSULTED SOLARD RECEINS. PROVIDE DEDILATED RESIDENT OF ELECTRICAL PARENCE INTELLED AS 'SPARE', A ALECESSIBLE TO MATER HEATER WITH MATER HEATERS SHALL BE DIRECT VENT WC COMBUSTION AND AND ACCOESPILETION. MARENCERE FOR THE DEMAND INFERIAL SOLARTED ASCENTION. THE				5E BIBBS SHALL NOT E BING.	BE SUPPOR	RTED BY	PEX TU	BING. HC	SE BIBBS SHALL BE ANCHO	RED TO	PREVEN	IT STRA	IN ON PE
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SDICTION, PROSET TRAP GUARD OR ICC APPROVED EQUIVALENT MAY BE USED AS ALTERNATE TO TRAP PRIMER.			CECTOR, PROSET TRAP GUARD OR ICC APPROVED EQUIVALENT NAY BE USED AS ALTERNATE TO THAT PROFENE. CUIDED CONTRACT AND ADDRESS OF THE TRAVERSE DEPENDENT OF THE ADDRESS OF THE ADDRESS OF THE ADDRESS OF THE TRAVERSE TO THE TRAVERSE TO THE TRAVERSE OF THE TRAVERSE OF THE TRAVERSE TO THE TRAVERSE OF TRAVERSE	CR DRAIN TO BE AFF CAINER W/ WATERWAY TALL 1/2" TRAP PRIME	EQUIVALEI R AT ALL	NT TO C	ROSS-SE	AT BUIL	AREA OF TAILPIECE.	AL FROM		RITY HA	- VING
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TO BE INSTALLED WITH ISOLATION VALVE ON HOT ¢ COLD WATER PIPE. NSTALL GAS WATER HEATER MIN I'-6" ABOVE FLOOR. WHERE INSTALLED IN GARAGE, LOCATE OUT OF DIRECT PATH OF VEHICLES OR PROVIDE BOLLARD PROTECTION. WHERE INSTALLED IN AN ATTIC, WITHIN A FLOOR-CEILING SSEMBLY, OR WITHIN A ROOF/CEILING ASSEMBLY, INSTALL MIN I 1/2" DEEP DRAINAGE PAN W 3/4" DRAIN LINE TIEL TO BUILDING DRAINAGE. PROVIDE DEDICATED 125V, 20A ELECTRICAL RECEPTACLE WITHIN 3'-0" OF WATER HEATER, ACCESSIBLE TO WATER HEATER WITH NO OBSTRUCTIONS. CONNECT TO ELECTRICAL PANEL WITH 120/240V 3 CONDUCTOR, 10 AWG COPPER SRANCH CIRCUIT. CONDUCTOR TO BE ISOLATED WITH BOTH ENDS LABELED AS "SPARE". A RESERVED SINGLE POLE IRCUIT BREAKER SPACE LABELD "FUTURE 240V USE" SHALL BE PROVIDED IN THE ELECTRICAL PANEL, ADJACENT TO THE BREAKER FOR THE BRANCH CIRCUIT. TANKLESS GAS WATER HEATERS SHALL BE DIRECT VENT W/ COMBUSTION AIR, UNO ON PLAN. WHERE VENT PASSES THROUGHT AN INSULATED ASSEMBLY, INSTALL APPROVED METAL SHIELD EXTENDED MIN 2" ABOVE THE INSULATION ND SECURED TO STRUCTURE PER THE MANUFACTURER. T PUMP WATER HEATERS HEAT PUMP WATER HEATERS HEAT PUMP WATER HEATERS SHALL MET THE 1ST HOUR RATING REQUIREMENTS OF CPC TABLE 501.1(2) FIRST HOUR RATING ¹ THE FIRST HOUR RATING ¹ THE FIRST HOUR RATING ¹ THE FIRST HOUR RATING IS FOUND ON THE "ENERGY GUIDE" LABEL. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE S WASHER 4 DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. 3: MASHER 4 DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. 3: PROVIDE GAS SHUTOFF VALVE IN ACCESSIBLE LOCATION, MAY BE INSTALLED AT REAR OF ADJACENT CABINET. SHARKES, ICE MAKERS, ETC: PROVIDE RECESSED VALVE BOX IN REAR OR SIDE WALL.	THE DEFINITION OF ALL OF A DOVE ON HOT 4 COLD WATER PIPE. NOTALL CAS MATTER HEATER THIN 1: 0' ADOVE TO BE AND THE IN CAPACE, LOCATE OUT OF DEBET PATH SOFTALL CAS MATTER HEATER THIN 1: 0' ADOVE TO COMPARE INSTALLED IN CAPACE, LOCATE OUT OF DEBET PATH SOFTALL CAS MATTER HEATER THIN 1: 0' ADOVE TO CHARTER HEATER, ACCESSIBLE TO WATER REVUIDE DEDUCTOR 150, 20A ELECTRICAL RECEPTACLE WITHIN 3'-0' OF WATER HEATER, ACCESSIBLE TO WATER HEATER WITHIN A DOBSTRUCTIONS, CONNECT TO ELECTRICAL PAKEL WITH 190/240' 3 CONDUCTOR, 10 ANG COPPER STANDE CIRCUIT, CONDUCTOR 10 DE ISOLATED WITH 10 HAD LABELED AS 199ARE, ACCESSIBLE TO WATER HEATER WITHIN A DOBSTRUCTIONS, CONNECT TO ELECTRICAL PAKEL WITH 190/240' 3 CONDUCTOR, 10 ANG COPPER STANDE CIRCUIT, CONDUCTOR 10 DE ISOLATED WITH 10 HAD LABELED AS 199ARE, ARESERVED SINGLE POLE TO THE BREAKER FOR THE BRANCH CIRCUIT. TAKESS GAS MATTER HEATERS SHALL DE MEET VENT WA CORBUSTION AR, 100 ON PLAN, WHERE VENT PASES MUS SOCURED TO STRUCTURE PER THE MANAFACTURER. T PUTP WATER HEATERS HEAD CAS MATER HEATERS THE THE 15T HOUR RATING REQUIREMENTS OF CPC TABLE 50.1(2) FIRST HOUR RATING 15T HOUR RATING ² (GALL) 30 1 4 2 3 2 3 4 5 3 4 5 6 6 5T HOUR RATING ² (GALL) 30 1 4 4 4 4 4 2 6 2 4 2 7 4 7 4 7 4 7 4 THE POST ADOVE THE IDERCIVENT WITH A APPROVED THE ALE. SOLAR WATER HEATERS SHALL DE SIZED TO MEET THE THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE STANDER AND RATING SCHOLD ON THE 'INTERCY CONNECTIONS. SO MARK ATTER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE. SOLAR WATER HEATERS SHOULD DO THE 'INTERCE ONNECTIONS. SO MASHER TO RETER SET AD A DO THE 'INTERCE ONNECTIONS. SO MASHER TO RECENT AND A DO THE 'INTERCOMPACTURER.	 Destricted with IGOLATION VALVE ON HOT 4 CALD MATER PIPE. DESTALL GAS WATER HEATER HATER IN ALCOLOGY ALCOLOGY AND ATTEC, WITHIN A FLOOR CELLING, PARTER HATER IN ALCOLOGY OF DERECT PATH PLATEGES ON TROVIDE COLOR BROTECTION WHERE INSTALLED IN AN ATTEC, WITHIN A FLOOR CELLING, DEAL AND LINE THE ROUTE BEDICATED ISSY, GAS ELECTRICAL RECEPTACE WITHIN 3'-O' OF WATER HEATER, ACCESSIBLE TO MATER PATER WITHIN OF OBSTRUCTIONS, CONNECT TO ELECT FIRCAL PAREL WITH 10/2/2003 2 CONDUCTOR; 10 ALCOPPER EATER WITHIN OF OBSTRUCTIONS, CONNECT TO ELECT FIRCAL PAREL WITH 10/2/2003 2 CONDUCTOR; 10 ALCOPPER EATER WITHIN NO OBSTRUCTIONS, CONNECT TO ELECT TERCAL PAREL WITH 10/2/2003 2 CONDUCTOR; 10 ALCOPPER EATER WITHIN A CONSTRUCTIONS, CONNECT TO ELECT VERT AL PAREL WITH 10/2/2003 2 CONDUCTOR; 10 ALCOPPER EATER WITHIN A CONSTRUCTIONS, CONNECT TO ELECT VERT AVAIDABLE DE PROVIDED IN THE ELECTRICAL PAREL, ADJACCHT O THE BERAKER FOR THE BRANCH CIRCUIT. NILESS GAS WATER HEATERS SHALL BE DRECT VERT IN/ CONSTRUCTION ALCOVER THE ELECTRICAL PAREL, ADJACCHT ON DESCURED TO STRUCTURE THE THE MAINACTURER. PUPP WATER HEATERS HALL MEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 50.1(2) THE ROOTIS <u>1 2 3 3 4 5 3 4 4 5 6 1</u> THE PROTH WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE STANDER THROUGH ATTING IS FOUND ON THE "ENERGY GUIDE" LABEL. STANDER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE STANDER 4 DRYER: SEE DETAIL D/PN.2 FOR TYPICAL MASHER CONNECTIONS. PROVIDE GAS SHUTOFY VALVE IN ACCESSIBLE LOCATION. MAT BE INSTALLED AT REAR OF ADJACENT CABINET. STANDER 4 DRYER: SEE DETAIL D/PN.2 FOR TYPICAL MASHER CONNECTIONS. PROVIDE GAS SHUTOFY VALVE IN ACCESSIBLE LOCATION. MAT BE INSTALLED AT REAR OF ADJACENT CABINET. STANDER 4 DRYER: SEE DETAIL D/PN.2 FOR TYPICAL MASHER CONNECTIONS. PROVIDE GAS SHUTOFY VALVE IN ACCESSIBLE VALVE BOX IN REAR OR SID	 De INSTALLED MITH ISOLATION VALVE ON HOT 4 COLD MATER PIPE. SPALL GAS MUTTER HEATTERIN L'AF ADOR'S FLOOR HUMBER INSTALLED IN ANAAGE, LOCATE OUT OF DIRECT PAT INALIAGES OR PROVIDE BOLLARD PROTECTION WHERE INSTALLED IN AN ATTIC, WITHIN A FLOOR-CENNES SEPTEMENT, OS MUTTINA & ROOK-CELINGA SEGREDI, INSTALLE NIL 1/2' DEEP DEAINAGE PAN W/ 3/4' DEAN LUNE T SOUDED DEDICATED USV, 20 A ELECTRICAL RECEPTACLE MITHIN 3-0' OF MATER HEATER, ACCESSIBLE TO MATER ATTER MITH MO DESTRUCTIONS, CONDECT TO ELECTRICAL PANEL MITHIN 2004/0V 3 CONDUCTOR, IO ANAGE OPERAT ATTER MITH MO DESTRUCTIONS, CONDECT TO ELECTRICAL PANEL MITHIN 2004/0V 3 CONDUCTOR, IO ANAGE OPERAT ATTER MITH MO DESTRUCTIONS, CONDECT TO ELECTRICAL PANEL MITHIN 2004/0V 3 CONDUCTOR, IO ANAGE OPERAT ATTER MITHING DESTRUCTIONS, SONDECT TO ELECTRICAL PANEL MITHIN 2004/0V 3 CONDUCTOR, IO ANAGE OPERAT ATTER MATER PACTERS SHALL BE DIRECT VENT W/ CORBUSTION AR, UNO ON PLAN, MITER VENT PASES ROUGHT AN INSULATED ASSETBLY, INSTALL APPROVED METAL SHELD EXTENDED TIN 2' ADOVE THE INSULATED ID SECURED TO STRUCTURE FIRST SHALL BE DIRECT VENT W/ CORBUSTION AR, UNO ON PLAN, MITER VENT PASES ROUGHT AN INSULATED ASSETBLY, INSTALL APPROVED METAL SHELD EXTENDED TIN 2' ADOVE THE INSULATED ID SECURED TO STRUCTURE FIRST HET THE IST HOUR RATING REQURPENTS OF CPC TABLE 501.(2) THE MATER HEATERS SHALL MEET THE IST HOUR RATING REQURPENTS OF CPC TABLE 501.(2) THE TABLE THE TABLE THOUR RATING (GAL) 30 44 44 44 42 42 42 74 42 74 74 74 74 THOUR RATING MATER HEATERS SHALL DE SIZED TO THEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE MASHER 4 DRYER: SEE DETAIL D/PN.2 FOR TYPICAL MASHER CONNECTIONS. PROVIDE GAS SHUTOFF VALVE IN ACCESSIBLE LOCATION. IN REAR OR SIDE WALL. 	WATER HEATER TO ME WITH LOCAL LOW NOX	EET UNIFO REQUIREM ER IN ACC F MAX. W WEEN WAT	RM ENER ENTS. ORDANCI HERE TE ER HEA1	RGY FACT E WITH M EMPERAT FER AND PERATURE	TOR (UEF 1ANUFAC ⁻ 1URE SET FIRST F E RELIEF	5) SPECIFIED PER TITLE 24 TURER'S INSTALLATION INST ABOVE 120°F, PROVIDE THI IXTURE. DRAIN THAT TERMINATES	DOCUME TRUCTION ERMOSTA	ENTS AN IS. TEM TIC MIX THE BU	ID SHALI PERATUF (ING VAL JILDING	L COMPLY RE TO BE .VE AT SHALL
PROVIDE DEDICATED 125V, 20A ELECTRICAL RECEPTACLE WITHIN 3'-0" OF WATER HEATER, ACCESSIBLE TO WATER HEATER HEATER, ACCESSIBLE TO WATER HEATER ATTIN AVOID SUBSTRUCTIONS. CONNECT TO ELECTRICAL PANEL WITH 120/240V 3 CONDUCTOR, 10 AWG COPPER SRANCH CIRCUIT. CONDUCTOR TO BE ISOLATED WITH BOTH ENDS LABELED AS "SPARE". A RESERVED SINGLE POLE LIRCUIT BREAKER FOR THE BRANCH CIRCUIT. TANKLESS GAS WATER HEATERS SHALL BE DIRECT VENT W/ COMBUSTION AIR, UNO ON PLAN. WHERE VENT PASSES THROUGHT AN INSULATED ASSEMBLY, INSTALL APPROVED METAL SHIELD EXTENDED MIN 2" ABOVE THE INSULATION AND SECURED TO STRUCTURE PER THE MANUFACTURER. TO PUMP WATER HEATERS SHALL MEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 501.1(2) TO PUMP WATER HEATERS SHALL MEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 501.1(2) FIRST HOUR RATING ¹ THE OF BATHROOMS I to 1.5 2 to 2.5 3 to 3.5 THEOR OF BEDROOMS I 2 3 2 3 4 5 3 4 5 6 IST HOUR RATING ² (GAL) 38 49 49 49 62 62 74 62 74 74 74 THE FIRST HOUR RATING IS FOUND ON THE "ENERGY GUIDE" LABEL. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE SS WASHER ¢ DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. S: PROVIDE GAS SHUTOFF VALVE IN ACCESSIBLE LOCATION. MAY BE INSTALLED AT REAR OF ADJACENT CABINET. SHERE, ICE MAKERS, ETC: PROVIDE RECESSED VALVE BOX IN REAR OR SIDE WALL.	REVIDE DEDICATED 125V, 20A ELECTRICAL RECEPTACLE WITHIN 3'-0' OF WATER HEATER, ACCOMPTER TO HATER REATER WITHIN CONSTRUCTOR, 10 ANR COPPER TO HATER BEATER WATER CONSTRUCTOR BEARARER OFACE LABELED TUTURE 2400 USE" WALL BE FROVIDED IN THE ELECTRICAL PANEL, ADJACENT TO THE BEARARER OFACE LABELED TUTURE 2400 USE" WALL BE FROVIDED IN THE ELECTRICAL PANEL, ADJACENT TO THE BEARARER OFACE LABELED TUTURE 2400 USE" WALL BE FROVIDED TO N ALCO PLAN, WHERE VENT PASSES MAD SECURED TO STRUCTURE THE THALL APPROVED HETAL SHELD EXTENDED MIN 2" ABOVE THE INSULATION AND SECURED TO STRUCTURE BEARANCH (ISTAUL APPROVED HETAL SHELD EXTENDED MIN 2" ABOVE THE INSULATION AND SECURE TO THE THE ANDLA CATURER. TO HATE HEATERS TO TO THE THE ATTING THE THE HEATERS OF ALL MEET THE THE IST HOUR RATING TO THE THE MERCENT OF CPC TABLE 501.1(2). TO THE THE MANNEL ASTANCE THE THE THE THE THE THE THE THE THE TH	ROVIDE DEDICATED 125V, 20A ELECTRICAL RECEPTACLE WITHIN 3'-0' OF WATER HEATER, ACCOMPETER ATTER WITH NO CONTRUCTIONS, CONNECT TO ELECTRICAL PAREL WITHIN 2002A0V 3 CONDUCTOR, TO ANG COMPET RIGUT BREAKER SPACE LABELED "UTTIRE 240V USE" SHALL BE PROVIDED IN THE ELECTRICAL PANEL, ADJACENT O THE BREAKER SPACE LABELED "UTTIRE 240V USE" SHALL BE PROVIDED IN THE ELECTRICAL PANEL, ADJACENT O THE BREAKER FOR THE BRANCH CIRCUIT. ANKLESS GAS WATER HEATERS SHALL BE DIRECT VENT W/ CONBUSTION AIR, UNO ON PLAN, WHERE VENT PASSES INCOURED TO STRUCTURE THE THANDFACTURER. I UTTIV WATER HEATERS EAT PUMP WATER HEATERS SHALL MEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 50.1(2) THE PREAKENT IN THE HEATERS EAT PUMP WATER HEATERS SHALL BEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 50.1(2) THE PREAKENT IN THE TABLE. I THOUR RATING ¹ THEOR OF BEDROOMS <u>1 2 3 2 1 2 1 5 3 4 0 3.5 1 4 5 6 1 1 4 1.5 1 2 1 0 2.5 3 1 0 3.5 1 1 1 0 1.5 1 2 1 0 2.5 3 1 0 3.5 1 1 1 0 1.5 1 0 1 0 1.5 1 0 0.5 1 0 0.5 1 0 0.5 1 0 0.5 1 0 0.5 1 0 0.5 1 0 0.5 1 0 0.5 1 0 0.5 1 0.5 </u>	SAVIE DEDICATED 129V, 20A ELECTRICAL RECEIVALE WITHIN 3'-0' OF WATER HEATER, ACCERDING TO MATER MATER WITH NO SERVICIONS COMPECT TO ELECTRICAL PANEL WITH 1002000 S CONDUCTOR, 10 AND COPER ROUT DEBRACE SPACE LARCIED 'FUTURE 240V USE' SHALL BE PROVIDED IN THE ELECTRICAL PANEL, ADJACENT OT THE BREAKER SPACE LARCIED 'FUTURE 240V USE' SHALL BE PROVIDED IN THE ELECTRICAL PANEL, ADJACENT THE BREAKER FOR THE BRACK CIRCUT. INVILESS GAS MATER HEATERS SHALL BE DRECT VENT W/ COMBUSTION AIR, UNO ON PLAN, HHERE VENT PASSE ROUT TO STRUCTURE PER THE MANUFACTURE. PUMP WATER HEATERS SHALL MEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 501.(2) FIRST HOUR RATING' EER OF BEDROOMS <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>3</u> <u>4</u> <u>5</u> <u>5</u> <u>4</u> <u>5</u> <u>6</u> <u>6</u> <u>7</u> HOUR RATING' EER OF BEDROOMS <u>1</u> <u>2</u> <u>3</u> <u>4</u>	SET AT 108°F MIN, 140 HOT WATER LINE BETH A WATER HEATER PRE COMPLY WITH CPC SEC	ESSURE AN CTION 608.	5.							
T PUMP WATER HEATERS FIRST HOUR RATING REQUIREMENTS OF CPC TABLE 501.1(2) FIRST HOUR RATING ¹ MBER OF BATHROOMS I to 1.5 2 to 2.5 3 to 3.5 MBER OF BATHROOMS I to 1.5 2 to 2.5 3 to 3.5 MBER OF BEDROOMS I 2 3 2 3 4 5 6 ST HOUR RATING ² (GAL) 38 49 49 49 62 62 74 62 74 74 74 THE FIRST HOUR RATING IS FOUND ON THE "ENERGY GUIDE" LABEL. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE SWASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. SWASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. SWASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. SWASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. SWASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. SWASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. SWASHER MAKERS, ETC: PROVIDE RECESSIBLE LOCATION. MAY BE INSTALLED AT REAR OF ADJACENT CABINET.	T PUMP WATER HEATERS SHALL HEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 50.1(2) FIRST HOUR RATING ¹ TIBER OF BATHROOMS 1 0 15 2 0 25 3 to 3.5 TIBER OF BEDROOMS 1 2 3 2 3 4 5 3 4 5 6 ST HOUR RATING ² (GAL) 38 49 49 49 62 62 74 62 74 74 74 74 THE FIRST HOUR RATING IS FOUND ON THE "ENERGY GUIDE" LABEL. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE S WASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. S PROVIDE GAS SHUTOFF VALUE IN ACCESSIBLE LOCATION. MAY BE INSTALLED AT REAR OF ADJACENT CABINET. SHERS, ICE MAKERS, ETC. PROVIDE RECESSED VALVE BOX IN REAR OF SIDE WALL.	<pre>FUMP WATER HEATERS EAT PUMP WATER HEATERS SHALL MEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 501.(2) FIRST HOUR RATING¹ THER OF BEDROOMS 1 1 2 3 2 3 2 5 3 4 5 3 4 5 6 ST HOUR RATING²(GAL) 38 49 49 49 49 62 62 74 62 74 74 74 74 THE FIRST HOUR RATING IS FOUND ON THE "ENERGY GUIDE" LABEL. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHOWN IN THE TABLE 30 WASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. # PROVIDE GAS SHUTOFF VALVE IN ACCESSIBLE LOCATION. MAY BE INSTALLED AT REAR OF ADJACENT CABINET. HHERS, ICE MAKERS, ETC: PROVIDE RECESSED VALVE DOX IN REAR OR SIDE WALL.</pre>	PUMP WATER HEATERS SAT PUMP WATER HEATERS SHALL MEET THE IST HOUR RATING REQUIREMENTS OF CPC TABLE 501.(2) TRST HOUR RATING ¹ DER OF BATHROOMS 1 1 2 3 2 3 4 5 3 4 5 6 AT HOUR RATING ² (GAL) 38 49 49 49 49 62 62 74 62 74 74 74 THE FIRST HOUR RATING IS FOUND ON THE "ENERGY GUIDE" LABEL. SOLAR WATER HEATERS SHALL BE SIZED TO MEET THE APPROPRIATE FIRST HOUR RATING AS SHONN IN THE TABLE WASHER & DRYER: SEE DETAIL D/PN.2 FOR TYPICAL WASHER CONNECTIONS. PROVIDE GAS SHUTOFF VALVE IN ACCESSIBLE LOCATION. MAY BE INSTALLED AT REAR OF ADJACENT CABINET. HERS, ICE MAKERS, ETC. PROVIDE RECESSED VALVE BOX IN REAR OR SIDE WALL.	SET AT 108'F MIN, 140 HOT WATER LINE BETH A WATER HEATER PRE COMPLY WITH CPC SEC ANKLESS WATER HEATER TO BE INSTALLED WIT INSTALL GAS WATER H OF VEHICLES OR PROV ASSEMBLY, OR WITHIN TO BUILDING DRAINAG	ESSURE AN CTION 608 RS H ISOLATI HEATER M (IDE BOLL I A ROOF/ E.	ON VALV IN I'-6" ARD PRO CEILING	/E ON HC ABOVE F DTECTION ASSEMBL	DT & COL LOOR. W I. WHERE _Y, INST.	D WATER PIPE. HERE INSTALLED IN GARAGE INSTALLED IN AN ATTIC, I ALL MIN I 1/2" DEEP DRAINA	E, LOCAT NITHIN A AGE PAN	E OUT FLOOR- W/ 3/4	OF DIRE -CEILING " DRAIN	CT PATH
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3 WASTE SYSTEMS

ONAL LENGTHS/SIZES.

				,	~	, 0	
	NOMINAL PIPE SIZES:	1 1/4"	1 1/2"	2"	3"	4"	
AIN	MAX FIXTURE UNITS	1	1	8	35	216	7
DR	MAX LENGTH	45'-0"	65'-0"	85'-0"	212'-0"	300'-0"	510
Ļ	MAX FIXTURE UNITS	1	8	24	84	256	7
山 >	MAX LENGTH 1,2	45'-0"	60'-0"	120'-0"	212'-0"	300'-0"	510
1. 2.	ONE-THIRD OF ALLOWABL NOMINAL SIZE WHERE EXC MAX LENGTH OF VENT NO ENTIRE LENGTH OF VENT	E LENGTH EEDED DT APPLICA	MAY BE INS BLE WHERE	STALLED HO	ORIZONTALL EASED ONE	Y, INCREAS	BE ON
	_ SANITARY SEWER VENT I TSIDE AIR INTAKE AND MIN	PIPE PENET NIMUM 3'-0"	RATIONS S	HALL TERM <i>O</i> PENING	IINATE AT A	A MINIMUM TIONED SPA	DIST, ACES
/EF	RIFY LOCATION OF SOLAR NETRATE ROOF WITHIN 3'-C JUSTED OR CONFLICT OCCL CATION VARIES BASED ON	PANELS (O)" OF PANE JRS, CONTA ORIENTATIO	R FUTURE S L, ADJUST ACT HARRIS DN <i>O</i> F STRL	50LAR ZON ROOF PENI \$ SLOAN JCTURE SE	E, WHERE (ETRATIONS PRIOR TO I E SOLAR P	OCCUR) PRI AS NEEDED NSTALLATIC LANS, PRO	OR TO). WHI DN. NO VIDED
200	OF PENETRATIONS TO BE L	OCATED O	UTSIDE ANI	FIRE RAT	ED ROOF A	REAS, REF	ER TO
Ri 11N	OUP AND ROUTE VENT PEN IIMIZE VISIBILITY FROM TH	IETRATIONS E FRONT EI	5 TO THE R LEVATION.	EAR ELEVA	TION OF PI	TCHED ROC	PF AR
Г <i>О</i> _А	TAL CROSS-SECTIONAL AR TERAL.	EA OF VEN	TS EXITING	BUILDING	MUST MEET	VEXCEED C	R <i>0</i> 55
EF	RIALS: ALL MATERIALS SHA G AGENCY (EX. ASTM).	LL COMPLY	′ ЫТН СРС	SECTION 7	101 ¢ 903 A1	ND SHALL E	BE LIS
BEI	LOW GRADE WASTE AND VI	ENT:			CAST IDON		
	JOINTS SHALL BE MADE M MINIMUM SIZE OF ALL WAS	IL BE SER IITH NEOPR STE PIPING	ENE SLEEVI BELOW GRA	ES AND ST ADE SHALL	AINLESS ST BE 2".	EEL BANDS	5.
٩B	OVE GRADE VENT PIPING:						
	WITH BLACK IRON FITTING	S.	ERVICE CAS	I IRON PIF	PE AND FIT	TINGS OR S	CHEL
٩B	S-DWV WASTE PIPE:	NCC MAY B					
	PIPE AND COUPLINGS SHAL	L BE MAN	JFACTURED	OF MATER	ALS CONFO	AL JURISD ORMING TO	ASTN
	PLASTIC SOLVENT CEMENT	FOR PLAS	TIC PIPE S	HALL CONF	ORM TO AS	5TM D2235	
этα	ORMWATER AND ABOVE GR	ADE WASTI	Ξ:				
	SERVICE WEIGHT CAST IRO	ON PIPE AN	D FITTINGS	, NO-HUB	(OR EQUAL), OR ABS-	DWV
0	NDENSATE DRAIN PIPING:						
	TYPE M COPPER TUBING	ND FITTING	GS OR SCHI	EDULE 40 G	ALVANIZED	STEEL PIP	E AN
sт	RUCTION REQUIREMENTS:	T LOCAL JI	JRISDICTION	l.			
GEI	NERAL REQUIREMENTS:						
BEI	LOW GRADE WASTE AND VI	ENT:					
	MINIMUM SIZE OF ALL WAS	TE PIPING 5	BELOW GRA	ADE SHALL	BE 2".	URIT 26 JL	UFE (
۲D 0	EACH VENT SHALL RISE V	ERTICALLY	TO A POIN	T NOT LES	S THAN 6"	ABOVE THE	E FLO
	SERVED BEFORE OFFSETT	ING HORIZO IROUGH FLA	NTALLY OR ASHING ANE	BEFORE B TERMINAT	EING CONNE E VERTICA	ECTED TO A	NY 0 ABON
	VERTICAL SURFACE. PLASTIC PIPING EXPOSED	TO SUNLIG	HT TO BE F	PROTECTED	WITH A W	ATER BASE	D SY
AB:	S-DWV WASTE PIPE:	N/ MANUFA	CTURERS IN		N INSTRUC	tions, pipe	ES SH
этα	OF FOREIGN MATERIALS PI ORMWATER AND ABOVE GR	ADE WASTI	AKING SOLV E:	ENT CEMER	I JUNIS.		
	ALL HORIZONTAL DRAINAG	E PIPING S	HALL BE IN	STALLED H	NTH A UNIF	ORM 2% SL	ΟΡΕ Ι
10	NDENSATE DRAIN PIPING:						
	ROUTE CONDENSATE PIPIN TERMINATE TO GRADE OR BE INSTALLED IN ACCORD, PER EQUIPMENT MANUFACT	G FROM EG INTO THE ANCE WITH FURERS INS	STORM DR. ALL APPLI TALLATION	O NEAREST AINAGE SYS CABLE LOC INSTRUCT	APPROVED STEM, UNLE AL AND ST, IONS.) RECEPTOR SS NOTED ATE CODES	R. ALI OTHE . CON
-Lf	CLEANOUTS SHALL BE PP	VIDED ON	HORIZONITA	L DRAINAG	E PIPING A		EST F
	AND SHALL BE LOCATED / HORIZONTAL DISTANCE. AL HORIZONTAL PIPING OR FR BENDS	AT THE UPP DITIONALL ACTION TH	PER TERMIN Y, CLEANOL EREOF AND	I DICHING IAL OF EAC ITS SHALL ANY HORIZ	CH RUN OF BE PROVID ZONTAL PIP	DRAINAGE ED AT EAC E EXCEEDIN	PIPINO H LAV IG 135
	CLEANOUTS SHALL BE PLA BETWEEN THE BUILDING D CLEANOUT EXTENDED TO (ACED ABOVI RAIN AND GRADE.	E THE FIXT THE BUILDIN	URE CONNE NG SEWER,	CTION FITT OR INSTAL	ING, IN THE LED <i>O</i> UTSII	E WAL DE TH
	CLEANOUTS SHALL BE SIZ	ED PER TH		IG TABLE:			
	SIZE OF PIPE	SIZE OF	- CLEANOUT	TH	IREADS (PE	RIN)	
	1/2"		/2"		11 1/2		
	2 1/2"		2 1/2"		8		
	3"		2 1/2"		8		
	4"		3 1/2"		8		

OT IS APPLIED TO THE ENTIRE SYSTEM, ALL OPENINGS IN THE PIPING SHALL BE TIGHTLY CLOSED, EXCEPT THE HIGHEST POINT OF OVERFLOW. IF THE SYSTEM IS TESTED IN SECTIONS, EACH OPENING SHALL BE TIGHTLY PLUGGED, EXCEPT THE HIGHEST OPENING OF THE SECTION UNDER TEST, AND EACH SECTION SHALL BE FILLED WITH WATER, BUT NO SECTION SHALL BE TESTED WITH LESS THAN 10 FT HEAD OF WATER. THE WATER SHALL BE KEPT IN THE SYSTEM, OR IN THE PORTION UNDER TEST, FOR AT LEAST 15 MINUTES BEFORE THE INSPECTION STARTS. AN AIR TEST CAN BE USED IN LIEU OF THE WATER TEST, EXCEPT THAT PLASTIC PIPE SHALL NOT BE TESTED WITH AIR. THE TEST SHALL BE MADE BY ATTACHING AN AIR COMPRESSOR TESTING APPARATUS TO ANY SUITABLE OPENING AND AFTER CLOSING ALL OTHER INLETS AND OUTLETS TO THE SYSTEM, FORCING AIR INTO THE SYSTEM UNTIL THERE IS A UNIFORM GAUGE PRESSURE OF 5 PSI OR SUFFICIENT TO BALANCE A COLUMN OF MERCURY TEN 10 INCHES IN HEIGHT. THE PRESSURE SHALL BE HELD WITHOUT INTRODUCTION OF ADDITIONAL AIR FOR A PERIOD OF AT LEAST 15 MINUTES.

STANDARD NOTES AND SPECIFICATIONS

E OF 10'-0" FROM ANY HIN THE BUILDING. NSTRUCTION. DO NOT PENETRATIONS CANNOT BE HAT SOLAR PANEL OTHERS. CHITECTURAL PLANS. WHEREVER POSSIBLE TO TIONAL AREA OF SEWER

WITH AN APPROVED

ASPHALTIC COATED.

40 GALVANIZED STEEL PIPE

EXCEPT WASTE FROM

ALLEABLE IRON FITTINGS.

ESS NOTED OTHERWISE.

LEVEL RIM OF THE FIXTURE VFN ROOF, MIN 1'-0" FROM A ETIC LATEX PAINT.

BE DEBURRED AND FREE

ESS NOTED OTHERWISE.

ONDENSATE SYSTEMS SHALL SE, AND SHALL OTHERWISE ALL PIPING TO EQUIPMENT

R LEVEL OF THE BUILDING CEEDING 5 FEET OR EVERY 100 FEET OF GREES OF AGGREGATE

EAR THE CONNECTION UILDING IN GRADE WITH THE

CORDANCE WITH CPC

1.5 SYSTEM ALTERNATES & MODIFICATIONS

I.I. EQUIPMENT SUBSTITUTIONS, LAYOUT MODIFICATIONS, AND ALTERNATE INSTALLATIONS MUST PROVIDE SYSTEM-WIDE EQUIVALENT CAPACITY AND FLOW PERFORMANCE AS COMPARED TO THE DESIGNED CONDITION AND SHALL MEET OR EXCEED ALL PLAN-SPECIFIED CRITERIA.

2.2 WATER SYSTEMS

I. GENERAL REQUIREMENTS:

- I. GENERAL REQUIREMENTS: 1.1. ALL WATER SIZED IN ACCORDANCE WITH CPC APPENDIX A WITH PEAK DEMAND LOADS DETERMINED USING THE MODIFIE WISORT METHOD. FIXTURE FLOW RATES AND PROBABILITIES ARE BASED ON APPENDIX M AND MANUFACTURER DATA. FIXTURE USAGE AND FLOW REQUIREMENTS ARE PRESENTED IN SECTION 3.1.
- 1.2. HOT WATER TEMPERATURE NOT TO EXCEED 110° F AT ANY FIXTURE. 1.2.1. PROVIDE CODE APPROVED THERMOSTATIC MIXING VALVE, SET AT 110°F, FOR ALL TUBS, SHOWERS AND ANY LAVATORIES DESIGNATED FOR PUBLIC USE.
- 1.2.2. WATER HEATER THERMOSTAT IS NOT TO BE USED AS THE INDIVIDUAL FIXTURE TEMPERATURE LIMITER. 1.3. EACH RESIDENTIAL DWELLING UNIT IS REQUIRED TO BE METERED. METERS ARE DISPLACEMENT TYPE, SIZED FOR MAX CONTINUOUS FLOW EXPECTED THROUGH THE DOMESTIC WATER SYSTEM.
- 1.4. MIN PRESSURE SUPPLIED TO THE MOST REMOTE FIXTURE SHALL BE GREATER OF FIXTURES REQUIRED WORKING PRESSURE OR 8 PSI. 2. MATERIALS:
- 2.1. PLASTIC PIPING SYSTEMS (HOT & COLD):
- 2.1.1. BELOW GRADE PIPE FOR POTABLE WATER MAY BE PEX TUBING PER ASTM F876 WITH NON-METALLIC FITTINGS, PV PER ASTM DI785, OR CPVC PER ASTM D2846. 2.1.2. ABOVE GRADE PIPE FOR POTABLE WATER MAY BE PEX TUBING PER ASTM F876 WITH NON-METALLIC FITTINGS OR
- CPVC PER ASTM D2846. 2.1.3. CPVC AND PEX PIPE MUST MEET REQUIREMENTS OF CPC 604.1.1 AND CPC 604.1.2 RESPECTIVELY, AND BE APPROVE BY AUTHORITY HAVING JURISDICTION PRIOR TO CONSTRUCTION.
- 2.2. COPPER PIPING SYSTEMS (HOT & COLD): 2.2.1. BELOW GRADE POTABLE WATER PIPING SHALL BE TYPE 'L' ASTM B88 ANNEALED COPPER TUBING AND ANSI BI6.22 WROUGHT COPPER FITTINGS USING SILVER SOLDER AND NON-CORROSIVE FLUX.
- 2.2.2. ABOVE GRADE POTABLE WATER PIPING SHALL BE COPPER TYPE 'L' ASTM B88 HARD DRAWN COPPER TUBING AND ANSI BI6.22 WROUGHT COPPER FITTINGS USING SILVER SOLDER AND NON-CORROSIVE FLUX. AT CONTRACTOR'S OPTION, TIN-ANTIMONY (95-5) SOLDER MAY BE USED FOR SIZES LESS THAN 3".
- 3. CONSTRUCTION REQUIREMENTS: 3.1. TEST HOT & COLD WATER PIPING IN ACCORDANCE WITH CPC 609.4
- 3.1.1. TEST PRESSURE SHALL NOT BE LESS THAN THE WORKING PRESSURE UNDER WHICH IT IS TO BE USED. THE WATER FOR THE TESTS SHALL BE OBTAINED FROM A POTABLE WATER SOURCE OF SUPPLY. 3.1.2. EXCEPT FOR PLASTIC PIPING, A 50 PSI AIR PRESSURE TEST MAY BE SUBSTITUTED FOR THE WATER TEST. 3.1.3. THE TEST SHALL BE RUN FOR A MIN OF 15 MINUTES WITHOUT SHOWING EVIDENCE OF LEAKAGE.
- 3.2. JOINTS AND FITTINGS: 3.2.1. JOINTS, FITTINGS, AND MULTI-PORT MANIFOLDS SHALL BE INSTALLED IN CEILING, MIN 2'-O" CLEAR OF ANY INTERI
- PARTITION WALL. DO NOT INSTALL IN WALLS. 3.2.2. WHENEVER POSSIBLE LOCATE MULTI-PORT MANIFOLDS OVER WET AREA.
- 3.3. PLASTIC PIPING SYSTEMS: 3.3.1. INSTALLATION SHALL BE DONE BY CERTIFIED INSTALLERS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 3.3.2. SUPPORT HORIZONTAL PEX TUBING UP TO 1" NOMINAL SIZE AT 32" OC, OVER 1" NOMINAL SIZE AT 48" OC. SUPPORT VERTICAL PEX TUBING AT EVERY FLOOR AND MID POINT OF EACH FLOOR. ALLOW 1/8" SLACK PER 1'-0" OF INSTALL TUBING. BEND TUBING IN DIRECTION OF COIL, MAINTAIN MIN BEND RADIUS OF 8 TIMES NOMINAL PIPE SIZE. WHERE TUBING IS BENT AGAINST COIL DIRECTION INCREASE BEND RADIUS BY 3 TIMES. 3.3.3. PVC ABOVE GRADE MAY NOT EXCEED 24", WRAP ALL ABOVE GROUND PVC PIPE WITH MIN 0.04" THICK TAPE OR
- OTHER PROTECTION FROM UV DEGRADATION. 3.3.4. MAINTAIN MIN 12" VERTICAL, 6" HORIZONTAL FROM SOURCES OF HEAT INCLUDING RECESS LIGHT FIXTURES, GAS VENTS, AND HEATING APPLIANCES.
- 3.3.5. ALL INSTALLATIONS OF THE INITIAL PLUMBING PIPING SHALL BE FLUSHED TWICE OVER A PERIOD OF AT LEAST ON WEEK. THE PIPE SYSTEM SHALL BE FIRST FLUSHED FOR AT LEAST 10 MINUTES AND THEN FILLED AND ALLOWED STAND FOR NO LESS THAN I WEEK, AFTER WHICH ALL THE BRANCHES OF THE PIPE SYSTEM MUST BE FLUSHED LO ENOUGH TO FULLY EMPTY THE CONTAINED VOLUME. THIS PROVISION SHALL NOT APPLY TO THE INSTALLATION OF PEX PIPE WHERE IT REPLACES AN EXISTING PIPE SYSTEM OF ANY MATERIAL
- 3.3.6. AT THE TIME OF FILL, EACH FIXTURE SHALL HAVE A REMOVABLE TAG APPLIED STATING:
- THIS NEW PLUMBING SYSTEM WAS FIRST FILLED AND FLUSHED ON _____ (DATE) BY ______ (NAME). THE STATE OF CALIFORNIA REQUIRES THAT THE SYSTEM BE FLUSHED AFTER STANDING AT LEAST ONE WEEK AFTER THE FILL DATE SPECIFIED ABOVE. IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE, THE WATER MUST BE ALLOWED TO RUN FOR AT LEAST TWO MINUTES PRIOR TO USE FOR HUMAN CONSUMPTION. THIS TAG MAY NOT BE REMOVED PRIOR TO THE COMPLETION OF THE REQUIRED SECOND FLUSHING EXCEPT BY THE BUILDING OWNER OR OCCUPANT.
- 3.3.7. PRIOR TO ISSUING A BUILDING PERMIT TO INSTALL PLASTIC PIPE, THE BUILDING OFFICIAL SHALL REQUIRE AS PAR OF THE PERMITTING PROCESS THAT THE CONTRACTOR, OR THE ÁPPROPRIATE PLUMBING SUBCONTRACTORS WRITTEN CERTIFICATION THAT HE OR SHE WILL COMPLY WITH THE FLUSHING PROCEDURES SET FORTH IN THE COD 3.3.8. THE BUILDING OFFICIAL SHALL NOT GIVE FINAL PERMIT APPROVAL OF ANY PLASTIC PLUMBING INSTALLATION UNLE HE OR SHE FINDS THAT THE MATERIAL HAS BEEN INSTALLED IN COMPLIANCE WITH THE REQUIREMENTS OF THE CO
- INCLUDING THE REQUIREMENTS TO FLUSH AND TAG THE SYSTEMS. 3.3.9. ANY CONTRACTOR OR SUBCONTRACTOR FOUND TO HAVE FAILED TO COMPLY WITH THE FLUSHING REQUIREMENTS SHALL BE SUBJECT TO THE PENALTIES OF THE HEALTH AND SAFETY CODE.
- 3.4. NON-METALLIC PIPING USED BELOW GRADE, OUTSIDE OF BUILDING FOOTPRINT SHALL HAVE AN ELECTRICALLY CONTINUOUS CORROSION-RESISTANT BLUE INSULATED COPPER TRACER WIRE, OR OTHER APPROVED CONDUCTOR. CONDUCTOR SHALL NOT BE LESS THAN 14 AWG AND SUITABLE FOR DIRECT BURIAL.
- 3.5. GENERAL REQUIREMENTS: 3.5.1. PIPE INSULATION:

3.5.1.1.

 E MODERHON.							
INSULATE ALL HOT WATER PIPING FROM HEAT SOURCE TO FIXTURE AS NOTED BELOW:							
PIPE DIAMETER	I/2"	3/4"	1 ⁿ	1 1/4"	1 1/2"	≥ 2"	
INSULATION WALL THICKNESS	1/2" OR 1"	1"	1 n	1 1/4"	1 1/2"	2"	
I. I" WALL THICKNESS REQUIRED AT ALL RECIRCULATION PIPES AND ALL PIPES TO KITCHEN FIXTURES							

3.5.1.2. INSULATE THE FIRST 5'-0" OF COLD WATER PIPES FROM TANKED WATER HEATER, INSULATION WALL THICKNESS TO BE I" MIN. 3.5.1.3. PIPE INSULATION MAY BE OMITTED AT THE FOLLOWING LOCATIONS:

3.5.1.3.1. PIPING THAT PENETRATES FRAMING MEMBERS, FOR THE DISTANCE OF THE FRAMING PENETRATION. INSULATI SHALL BUTT SECURELY AGAINST FRAMING MEMBERS. 3.5.1.3.2. PIPING INSTALLED IN WALLS, WHERE ALL REQUIREMENTS ARE MET FOR COMPLIANCE WITH QUALITY INSULATI INSPECTION (QII)

3.5.1.3.3. PIPING INSTALLED IN ATTIC WITH MINIMUM 4" THICKNESS OF ATTIC INSULATION ON TOP OF PIPING. 3.5.1.3.4. PIPING BETWEEN FIXTURE CONTROL VALVE OR SUPPLY STOP AND THE FIXTURE.

3.5.2. INLINE SHUTOFF VALVES BELOW GRADE SHALL BE INSTALLED IN A CONCRETE BOX WITH A CAST IRON HINGED TOP LABELED "SOV". ALL ABOVE GRADE SHUTOFF VALVES 2" AND LARGER SHALL BE FULL PORT BALL VALVES. 3.5.3. PROVIDE MECHANICAL WATER HAMMER ARRESTOR AT HOT AND COLD WATER AT ALL FIXTURES TO ABSORB HIGH

PRESSURE RESULTING FROM THE QUICK CLOSURE OF THESE VALVES. WATER HAMMER ARRESTORS SHALL BE APPROVED MECHANICAL DEVICE IN ACCORDANCE WITH THE APPLICABLE STANDARDS REFERENCED IN CPC TABLE 170 AND SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO QUICK-ACTING VALVES.



1 1		FOR JURISDICTION USE:
I. GE	ENERAL PROJECT INFORMATION:	
1.1.	DESIGN CRITERIA ARE AS FOLLOWS:	
	WATER DESIGN PRESSURE 60 PSI MIN WORKING PRESSURE 8 PSI	
* '		
1.2	GENERAL NOTES	
1. SC 1.1.	OPE: THE PROJECT DOCUMENTS MAY NOT BE USED IN A LOCATION OTHER THAN THAT DESIGNATED ON THE DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.	
1.2. 1.3.	THIS IS A "BUILDER'S SET" PRODUCED SOLELY FOR USE BY A KNOWLEDGEABLE AND EXPERIENCED CONTRACTOR. THESE PLANS CONTAIN INFORMATION FOR GENERAL CONSTRUCTION AND BUILDING PERMIT PURPOSES ONLY. THEY ARE	
	SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SAME OR SIMILAR CONSTRUCTION SHOWN ELSEWHERE WITHIN THE PLAN SET. FOR ITEMS, METHODS AND/OR MATERIALS NOT SPECIFIED WITHIN THE SET, THE MIN REQUIREMENT OF THE APPLICABLE CODE SHALL GOVERN.	nica nica cal
1.4. 1.5.	THE ENGINEER PROVIDES NO WARRANTY OR GUARANTEE ON THE FINAL PROJECT, NOR DUTY TO ANY PERSON OR ENTITY BEYOND THE AFOREMENTIONED LIMITED INFORMATION OF THESE PLANS. FIRE SPRINKLER SYSTEMS ARE DESIGNED SEPARATELY AND ARE TO BE INSTALLED UNDER A SEPARATE PERMIT.	echa ectric umbi
2. CC 2.1.	NTRACTOR REQUIREMENTS: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE QUALITY AND CONSTRUCTION STANDARDS FOR THIS PROJECT. CONSTRUCTION SHALL CONFORM TO ALL ADDUCADUE CODES AND REGULATIONS	I v z u z t
2.2.	CONTRACTOR SHALL FIELD VERIFY ALL (ITIONS PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO DIMENSIONS, ELEVATIONS, PIPE SIZE ELEVATIONS, PONTS OF CONNECTION, FIXTURES, EQUIPMENT, STRUCTURAL ELEMENTS MATERIALS.	SB33 5833 5800
2.7.	IT IS THE RESPONSIBILITY OF THE CONTINTERWEST) CONTACT THE ENGINEER OR ARCHITECT FOR ANY REQUIRED DIMENSIONS NOT SHOWN. DRAWINGS & DA SAFEDUIR COMPANY HIN THIS SET SHALL NOT BE SCALED FOR ANY PURPOSE.	Oak 2A 95 221 2
2.9.	SIZE & DEPTH OF EXISTING PLUMBING OF THE SERVICE OF THE LEMENT OF ANY WORK OR ORDERING ANY MATERIALS. ANY OR PART OF ALL S'STEMS, MATERIALS, CONNECTIONS AND DETAILS NOT SPECIFICALLY PROVIDED IN THESE PLANS ARE THE SOLE AND COMPLETE REPROVED TO A THE CONTRACTOR TO PROPERLY VERIFY AND INSTALL.	∋way ito, C 16.9
2.10.	CONTRACTOR SHALL NOT FY THE ENGINEER AND ARCHITECT WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS, CONTRACTOR IS NOT TO OPPER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT, UNTIL CONFLICT IS RESOLVED BY THE AFFECTED PARTIES.	Gate amer tel (
2.11. 2.12	THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HAS NOT BEEN CONSIDERED BY THE ENGINEER. THE GENERAL CONTRACTOR AND ITS SUB-CONTRACTORS MUST SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS	2295 Sacre
22.	TO THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS THAT ARE SUBMITTED TO THE ENGINEER OF RECORD FOR ITS REVIEW DO NOT CONSTITUTE "IN WRITING". CHANGES TO THE PLANS AND SPECIFICATIONS BY MEANS OF SHOP DRAWINGS BECOME THE RESPONSIBILITY OF THE PERSON INITIATING SUCH CHANGES.	
2.13.	THE HERS RATER AND THE CONTRACTOR SHALL SUBMIT ALL THE REQUIRED AND CURRENTLY APPROVED FORMS TO THE REQUIRED PARTIES AFTER TESTING OR INSTALLATION. A REGISTERED COPY OF REQUIRED FORMS SHALL BE SUBMITTED PRIOR TO THE FINAL INSPECTION, SIGNED BY THE CERTIFIED INSTALLER AND THE HERS RATER FOR FIELD VERIFICATION AND DIAGNOSTIC TESTING AS REQUIRED.	
2.14.	ALL HIGH VOLTAGE POWER WIRING, DISCONNECTS, AND CONDUIT TO BE INSTALLED BY ELECTRICAL CONTRACTOR. ALL LOW VOLTAGE CONTROL WIRING FOR PLUMBING EQUIPMENT TO BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR.	~ ~
^{2.15.}	TYPICAL ABBREVIATIONS	
A/A ABV	ATTIC ACCESS DBL DOUBLE (N) NEW ABOVE DFU DRAINAGE FIXTURE UNIT NFTA NATIONAL FIRE PROTECTION ABOVE DFU DRAINAGE FIXTURE UNIT NFTA NATIONAL FIRE PROTECTION	
AFF ALT ANSI	ABOVE FINISHED FLOOR DW DISHWASHER ASSOCIATION ALTERNATE (A) EXISTING NTS NOT TO SCALE AMERICAN NATIONAL EA EACH OC ON CENTER	
ASTM	STANDARDS INSTITUTEELEVELEVELEVATIONPEDPEDESTAL SINKAMERICAN SOCIETY FOREQEQUALPERPPERPENDICULARTESTING AND MATERIALSfCFM'sPLPLATE	100
BBQ BLKG BLW	BARBECUE F FAHRENHEIT POC POINT OF CONNECTION BLOCKING FAU FORCED AIR UNIT PSI POUNDS PER SQUARE INCH BELOW FCO FLOOR CLEAN OUT REQ'D REQUIRED	STAI
BTU/H C-PRE	BRITISH THERMAL UNIT F/L FAN/LIGHT COMBINATION SAD SEE ARCHITECTURAL DRAWINGS BTU PER HOUR FU FIXTURE UNIT(S) SMACNA SHEET METAL AND AIR COLD WATER PRE LOOP GA GAUGE CONDITIONING CONTRACTORS	RDE 2071 DAS
CALGR	EEN CALIFORNIA GREEN BUILDING GALV GALVANIZED NATIONAL ASSOCIATION STANDARDS GPM GALLONS PER MINUTE SOV SHUT OFF VALVE CALIFORNIA BUILDING CODE HB HOSE BIB SQ FT SQUARE FEET	. GAI
CEC CFH CFM	CALIFORNIA ELECTRICAL CODE HOOD KITCHEN HOOD VENT STD STANDARD CUBIC FEET PER HOUR HORIZ HORIZONTAL T&B TOP & BOTTOM CUBIC FEET PER MINUTE HVAC HEATING, VENTILATION, AND TYP TYPICAL	ME SS/
CL CLR CMC	CENTERLINE AIR CONDITIONING UNO UNLESS NOTED OTHERWISE CLEAR HW HOT WATER V VENT CALIFORNIA MECHANICAL CODE HWR HOT WATER RETURN VERT VERTICAL	OSP SAN HO RA M
COTG CPC	CLEAN OUT TO GRADE ICC INTERNATIONAL BUILDING CODE V(R) VENT RISER CLEAN OUT TO GRADE ICC INTERNATIONAL CODE COUNCIL VTR VENT TO ROOF CALIFORNIA PECIPENTIAL CODE IM ICE MACHINE VTW VENT TO WALL	FR FR
CW CW	COLD WATER (LINE) LPG LIQUEFIED PETROLEUM GAS WCO WASTE CLEAN OUT CLOTHES WASHER (FIXTURE) MFR MANUFACTURER WH WATER HEATER	PROJE
	DIAMETER MIN MINIMUM # PQUND	PROJECT MANAGER: KI
1.4	GENERAL PLUMBING SYSTEM REQUIREMENTS	DRAWN BY:
1. SY 1.1. 1.2.	STEM DESIGN & GENERAL PROJECT REQUIREMENTS: DESIGN IS BASED ON THE SITE AND CODE CRITERIA LISTED IN SECTION 1.1. DRAWINGS SHOWING LOCATIONS OF NEW EQUIPMENT AND PIPING ARE DIAGRAMMATIC AND JOB CONDITIONS WILL NOT	CHECKED BY: KI
•	ALWAYS PERMIT THEIR INSTALLATION EXACTLY AS SHOWN. HOWEVER, DESIGN SHALL BE FOLLOWED AS CLOSELY AS EXISTING CONDITIONS AND BUILDING CONSTRUCTION PERMITS. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL PROVIDE FITTINGS AND ACCESSORIES REQUIRED TO MEET ACTUAL CONDITIONS WHETHER SHOWN OR NOT.	REVISIONS:
2. MA 2.1.	TERIALS, EQUIPMENT & LABELING REQUIREMENTS: DESIGN SPECIFICATIONS FOR EQUIPMENT ARE BASED ON THE MANUFACTURER'S SPECIFICATIONS (WHERE APPLICABLE) AT TIME OF DESIGN, MANUFACTURER RESERVES THE RIGHT TO MODIFY/DELETE EQUIPMENT OR THE PRINTED EFFICIENCY	1 CLIENT REV 11-08-2 2 FW ¢ CLIENT 02-23-2 REVS 02-23-2
. 2.2.	RATINGS. PRIOR TO CONSTRUCTION CONTRACTOR SHALL VERIFY EQUIPMENT RATINGS MEET RATINGS SPECIFIED ON PLANS AND HAVE CURRENT AHRI CERTIFICATE.	
, 2.3.	ALL PIPES, FITTINGS, FIXTURES, SOLDER FLUX SHALL BE CERTIFIED BY AN ANSI ACCREDITED THIRD PARTY AS BEING IN COMPLIANCE WITH STATE & FEDERAL LEAD CONTENT REGULATIONS.	
2.3.I. 2.3.2	PIPING AND MATERIALS SHALL NOT EXCEED A WEIGHTED AVERAGE LEAD COUNT OF MORE THAN 0.25% IT IS THE INTENT THAT ALL FIXTURES SPECIFIED ARE LEAD FREE PRODUCTS. LEAD FREE FIXTURES SHALL BE PROVIDED REGARDLESS OF THE SPECIFIED MODEL NUMBER.	STAMP:
2.4. 3. GF	A MAINTENANCE LABEL SHALL BE AFFIXED TO ALL EQUIPMENT AND OPERATION AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE OWNER.	The second with the second sec
3.1.	INSTALL ALL EQUIPMENT, MATERIALS, APPLIANCES, AND MANUFACTURED COMPONENTS IN ACCORDANCE WITH CODE CRITERIA SPECIFIED IN SECTION 1.1 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. A COPY OF THE INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE TO THE INSPECTOR AT THE TIME OF INSPECTION. WHERE A CONFLICT OCCURS	EXPIRES 09/30/24
3.2.	DEIMEEN PLANS AND MANUFACIURER'S INSTRUCTIONS, THE MOST STRINGENT REQUIREMENTS APPLY. COORDINATE ALL WORK WITH OTHER TRADES TO PROVIDE A COMPLETE INSTALLATION & AVOID UNNECESSARY DELAYS OR INTERFERENCE WITH OTHER TRADES. VERIFY EQUIPMENT REQUIREMENTS & LOCATIONS PRIOR TO INSTALL AND CONNECT ALL EQUIPMENT FURNISHED BY OTHERS AS REQUIRED	CHANICH R
3.3.	ALL PIPING PASSING UNDER OR THROUGH THE BUILDING FOUNDATION MUST MEET THE REQUIREMENTS OF THE STRUCTURAL CONSTRUCTION DOCUMENTS AND SHALL BE INSTALLED AS FOLLOWS:	
3.3.2 3.3.2	PIPES PASSING THROUGH FOUNDATION SHALL BE SLEEVED, SLEEVE SHALL BE PVC 2" LARGER THAN OUTER DIAMETER OF PIPE. ANNULAR SPACE SHALL BE PACKED WITH OAKUM AND CAULKED AT BOTH ENDS.	NUMBER:
5.3.3 , 3.3.4	WRAP ALL COPPER WATER PIPE UNDER FLOOR OR BELOW GRADE WITH TWO LAYERS OF PABCO-WRAP (OR EQUAL). WRAP WATER, WASTE, AND GAS PIPING THROUGH THE SLAB WITH 1/2" THICK FIBERGLASS, MIN 2" ABOVE ¢ BELOW SLAB SURFACE.	SHEET TITLE:
3.4. 3.4.1.	ALL PIPING PASSING THROUGH THE SUPERSTRUCTURE TO CLEAR ARCHITECTURAL AND STRUCTURAL MEMBERS. PENETRATIONS IN FRAMING TO BE ONE NOMINAL SIZE LARGER THAN OUTSIDE DIAMETER OF PIPE, UNO. ALL CUTTING, NOTCHING, BORING OF FRAMING MUST MEET REQUIREMENTS OF STRUCTURAL CONSTRUCTION DOCUMENTS OR BE OTHERWISE APPROVED BY STRUCTURAL ENGINEER OF RECORD PRIOR TO CONSTRUCTION. COORDINATE ALL CUTTING AND PATCHING WITH THE GENERAL CONTRACTOR AND/OR PROJECT SUPERINTENDENT.	
3.4.2 3.4.3 3.4.4	ALL PIPE PENETRATIONS THROUGH ROOF SHALL BE FLASHED AND COUNTER-FLASHED WATER-TIGHT. AT PIPE PENETRATIONS THROUGH FINISHED WALLS, PROVIDE AN ESCUTCHEON INSTALLED ON FINISHED FACE OF WALL. INSTALL CLEVIS OR RING TYPE HANGERS FOR ALL PIPING. WRAP PIPE WHERE DISSIMILAR METALS OCCUR. HANGERS AND ANCHORS SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT THE WEIGHT OF THE PIPE AND ITS CONTENTS. HANGER RODS SHALL BE NO SMALLER THAN 3/8" DIAMETER.	
3.4.5	PROVIDE HOLDRITE SILENCERS OR EQUAL RISER CLAMPS AT ALL PLUMBING LINES WITHIN SEPARATION WALLS, FLOOR/CEILING ASSEMBLIES BETWEEN DWELLING UNITS AND AS REQUIRED BY ARCHITECT & ACOUSTICAL ENGINEER, SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.	SCALE: 1/4" = 1'-0"
•		
, 3.4.6	WHERE VENTS PENETRATE OUTSIDE WALLS OF BUILDINGS, THE ANNULAR SPACES AROUND PENETRATIONS SHALL BE PERMANENTLY SEALED USING APPROVED MATERIALS TO PREVENT ENTRY OF COMBUSTION PRODUCTS INTO THE BUILDING.	
3.4.6 3.5. 3.6.	MHERE VENTS PENETRATE OUTSIDE WALLS OF BUILDINGS, THE ANNULAR SPACES AROUND PENETRATIONS SHALL BE PERMANENTLY SEALED USING APPROVED MATERIALS TO PREVENT ENTRY OF COMBUSTION PRODUCTS INTO THE BUILDING. INSTALL ALL ABOVE GRADE PIPING AS HIGH AS POSSIBLE. INSTALL PIPING TO ALLOW FOR THERMAL AND SEISMIC EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT. ACCEPTABLE MEANS AND METHODS INCLUDE EXPANSION JOINTS, LOOPS AND OFFSETS AND EXPANSION CONSTRAINTS, GUIDES AND ANCHORS.	PN.





MATCHLINE

OPT. BDRM. 5 W/ BATH 3



ELEVATION A

(ELEV B SIM)

		Pla	n 1 WA	TER		
	LINE	SIZE			MANIFO	LD
FIXTURE	CW	HW	QTY	MAN 1	MAN 2	M
Water Closet	1/2"	0	3	1	1	
Lavatory	1/2"	1/2"	5	2	2	
Bath Tub	1/2"	1/2"	1	1	0	
Shower	1/2"	1/2"	1	1	0	
Tub-Shower	1/2"	1/2"	2	0	1	
Clothes Washer	1/2"	1/2"	1	0	0	
Sink	1/2"	1/2"	2	0	0	
Dishwasher	0	1/2"	1	0	0	
Ice Maker	1/2"	0	1	0	0	
			0	0	0	
			0	0	0	
			0	0	0	
			0	0	0	
			0	0	0	
Hose Bib	1/2"	0	2	0	0	
TOTAL			19	5	4	

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NON-CRUSHABLE CASING OR SLEEVE THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATION. 2

 9
 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWINGS.

 WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS SHOWN,

 WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL

 DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO MAIN

 DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE MAY BE

 OMITTED.

 13

 TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHERE IS

 IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DETAIL

 C/PN.2.

(15B) INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF CABINET (IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE INTO NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.1. SECONDARY DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOCATION MAY BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS EASILY VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" DRAIN LINE AND I 1/2" VENT.

	GEN	IERAL NOTES		FOR JURISDICTION	USE:
S. DWN,	 IT IS THE CONTRACTOR TO REVIEW ALL NOTES INCORPORATE IN THE CONSTRUCTION DOLUME SHALL NOT BE USED FO BIDS PERFORMED BEFO RESPONSIBILITY OF THE 	S/OWNERS/DEVELOPERS RESPONS AND DETAILS ON THE PN SHEET ONSTRUCTION OF THE STRUCTUR PARTMENT APPROVAL, THESE NTS ARE SUBJECT TO CHANGE A DR CONSTRUCTION. ANY CONSTRU RE PERMIT ISSUANCE IS THE CONTRACTOR/BIDDER.	DIBILITY S AND E. ND JCTION/		
T BE	PROJECT	SPECIFICATIONS			
AIL BINET. NTO DARY MAY EASILY	GENERAL: SEE SCHEDULES ON PLAN FIXTURE. WATER: 3/4" DUAL SERVICE METE VERIFY LOCATION W/ CIVI SPRINKLER & DOMESTIC M PER DETAILIOI /PD.1 INST AND POINT OF SPLIT DO	FOR LINE SIZES SERVING SINGLE R INSTALLED PRIOR TO BUILDING L PLANS PRIOR TO CONSTRUCTIO IATER SYSTEMS SPLIT AFTER MI GALL MIN I 1/2" LINE BETWEEN ME FESTIC WATER LINE SIZES NOTED	E 2 G ENTRY, DN. FIRE ETER ETER ETER		1430
RAIN	PLAN. BELOW GRADE WAT GRADE TO BE PEX TUBING GENERAL REQUIREMENTS AVAILABLE AT SITE, INST PER DETAIL 103/PD.1 WHE DRAIN, WASTE AND VENT ABOVE AND BELOW GRAD SECTION 2.3/PN.1 FOR GEN VERIFY LOCATION OF SEW CONSTRUCTION. INSTALL RECOVERY TUBE PER DET SOLAR: SOLAR: SOLAR PANELS PROVIDED ORIENTATION OF STRUCTI	ER PIPE TO BE PVC OR CPVC, A G, UNO. SEE SECTION 2.2/PN.1 FC AND ALTERNATES. HIGH PRESSUR ALL WATER PRESSURE REDUCING RE PRESSURE AT METER IS OVE WASTE/VENT PIPE TO BE ABS. NERAL REQUIREMENTS AND ALTER ER LATERAL W/ CIVIL PLANS PR POWERPIPE DRAIN WATER HEAT AIL 402/PD.1. ON ROOF, LOCATION VARIES BA IRE SEE PLANS PROVIDED BY O	ABOVE DR RE G VALVE R 80 PS SEE RNATES. RIOR TO SED ON THERS.	Structural Mechanical Electrical Plumbing	toll free 800.877.
				s Dr. 833	300 878
A		PUMP WATER HEATE UEI 2 IST HR RATING (GAL) ELECTRICAL VOLTS PH-MOCP	UNIT WEIGHT (LBS)	/ay Oaks o, CA 95	6.921.28 16.921.2
03/0	5/2024 9:20 E27 AM	3.5 67 208-240V IPH-30A	590	batew nentc	el 91 ax 9′
	HEEM RHEEM PRO H65 T2	3.5 75 208-240V IPH-30A	770	295 G acran	
	1. MINIMUM REQUIRED SIZE OPTION. 2. VERIFY REQUIRED UEF P 3. SEE DETAIL 407/PD.I.	SHOWN. MAY BE INCREASED AT ER T24 DOCUMENTATION.	BUILDER	N 00	sloa
					<u>مح</u>
	LEVI	EL INDICATOR			S
					Jarri
	LEVEL I			CT GARDENS EE, CA 92071 IE - COASTAL	SSA BLVD SUITE 10 GO, CA 92131
	0)////			ANTE ANTE	A MES
		BOLS LEGEND OTES KEYNOTE SPECIFICATION. R KEYNOTE SCHEDULE ON THIS SHE	REFER EET.	PRO S KB F	MIR/ SAI
		OTES DETAIL REFERENCE. ER TO DENOTED SHEET #.			9915
				DESIGNER:	VF
		← WASTE LINE ← WASTE VENT LINE		DRAWN BY: CHECKED BY:	AL KL
	CDCD			ISSUE DATE: REVISIONS:	09-15-20:
		HOT WATER LINE RE-CIRCULATION LOO	P	1 CLIENT REV 2 FW & CLIENT REVS	II-08-2023 02-23-2024
	HAR SE	SHER WATER/DRAIN BOX, E PN.1, SECTION 2.2			
	HO Q - WA PN	STE CLEAN OUT, SEE .1, SECTION 2.3		STAMP:	ONAL
	•— 	GE BIBB, SEE PN.1, CTION 3.1	c	EXPIRE 09730/	ETA OF
	(M) - WA	TER METER/SUB-METER		#M1882 Ship OF CALV	A A FORM
	TANKLESS TANKED	WATER HEATER, SEE PN. SECTION 3.2	.1,	PLAN NUMBER: PLAN SHEET TITLE:	J 1
S M M M	DEN LEVI ARC	OTES PLUMBING FIXTURE @ CURR EL (VERIFY EXACT LOCATION W/ HITECTURAL PLANS).	RENT	LEVEL 1 (WATER LA ELEVATIO OPTIC	PLAN AYOUT) DN A & DN



TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and pecifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

022 California Building Standard Codes Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

			Plan 1 WA	TER TO	TALS	
ANIFO	LD QTY	s	Water Service	13.4	GPM	
MAN 2	MAN 3	MAN 4	Cold Water	13.3	GPM	
1	1	0	Hot Water	8.6	GPM	
2	1	0				
0	0	0				
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DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

ATTIC ACCESS PER ARCHITECT W/ MIN 30" HEADROOM.

CALE:

IUMBER:

[·] 1/4" = 1'-0"

P1.1

JOB NUMBER: HS23369



OPT. BDRM. 5 W/ BATH 3





(ELEV B SIM)

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NON-CRUSHABLE CASING OR SLEEVE THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATION. 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWINGS. WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS SHOWN, WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO MAIN DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE MAY BE OMITTED. 13 TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHERE IS IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DETAIL C/PN.2.

15B INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF CABINI IGA 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE INTO NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.I. SECONDAR' DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOCATION MAY BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS EASIL VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" DRAIN LINE AND I 1/2" VENT.

	G	ENERA	L NOTE	S		FOR JL	IRISDICTIC	N USE:
2 N,	 IT IS THE CONTRACT TO REVIEW ALL NOT INCORPORATE IN TH PRIOR TO BUILDING CONSTRUCTION DOCT SHALL NOT BE USET BIDS PERFORMED B RESPONSIBILITY OF 	TORS/OWN TES AND D E CONSTRU DEPARTM JMENTS AN D FOR CON EFORE PER THE CONT	ERS/DEVELI DETAILS ON JCTION OF ENT APPRC RE SUBJEC ISTRUCTION RMIT ISSUA RACTOR/BI	OPERS RESPONSI THE PN SHEETS THE STRUCTURE WAL, THESE T TO CHANGE AN I. ANY CONSTRUC NCE IS THE DDER.	BILITY AND ID 			
5	PROJE	CT SP	ECIFIC/	ATIONS				
NET.	GENERAL: SEE SCHEDULES ON P FIXTURE.	LAN FOR L	.INE SIZES	SERVING SINGLE	2			۲
	WATER: 3/4" DUAL SERVICE M VERIFY LOCATION W/ SPRINKLER & DOMEST PER DETAIL IOI /PD.I I AND POINT OF SPLIT. PLAN. BELOW GRADE GRADE TO BE PEX TL GENERAL REQUIREMEN AVAILABLE AT SITE, PER DETAIL IO3/PD.I I DRAIN, WASTE AND V ABOVE AND BELOW GF SECTION 2.3/PN.I FOR VERIFY LOCATION OF CONSTRUCTION. INSTA RECOVERY TUBE PER SOLAR PANELS PROVI	ETER INST CIVIL PLAN IC WATER NSTALL M DOMESTIC WATER PIF IBING, UNC TS AND A INSTALL W WHERE PR ENT: RADE WAS GENERAL SEWER LA LL POWER DETAIL 40 DET ON RO	ALLED PRIOR 1 SYSTEMS S IN 1 1/2" LI WATER LI PE TO BE F LERNATES ATER PRES ESSURE AT TE/VENT PI REQUIREME TERAL W/ PIPE DRAIN 02/PD.1. 200F, LOCAT	OR TO BUILDING TO CONSTRUCTION SPLIT AFTER MET NE BETWEEN MET NE SIZES NOTED VC OR CPVC, AE TION 2.2/PN.I FOR SURE REDUCING METER IS OVER TO BE ABS. INTS AND ALTER CIVIL PLANS PRIO I WATER HEAT	ENTRY V. FIRE TER ON BOVE VALVE 80 PS SEE NATES. OR TO ED ON	Structural	Electrical	Flumbing toll free 800.877.1430 www.harrisandsloan.con
		JCTURE, S	EE PLANS I	PROVIDED BY OT	HERS.		Dr. 333	00 878
A	A SAFEDUIL COMPANY O'D'O'VEC	UEF	NP WAT	ER HEATER ELECTRICAL VOLTS PH-MOCP	UNIT WEIGHT (LBS)		ty Oaks CA 958	.921.28
03/0	5/2024 9:26:27 AN 50 PRO H50 T2	3.5	67	208–240V IPH-30A	590		atewa Iento,	el 916 ax 916
	(WH) (65) RHEEM PRO H65 T2	3.5	75	208-240V IPH-30A	770		295 G acram	
	1. MINIMUM REQUIRED S OPTION. 2. VERIFY REQUIRED UE 3. SEE DETAIL 407/PD	IZE SHOWN F PER T24	I. MAY BE 4 DOCUMEN	INCREASED AT E TATION.	BUILDER		20	loa
								N X
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								harri
	LEVEL O	_				DENS	171	DASTAL /D SUITE 100 92131
			E.			PECT GAR	TEE, CA 920	JME - C(1essa Blv Diego, ca
	SY O -	MBOLS	S LEGE	ND PECIFICATION. RE LE ON THIS SHEE	FER T.	PROSPECT GAR	SANTEE, CA 920	KB HOME - CO 9915 MIRA MESSA BLV SAN DIEGO, CA
		MBOLS	S LEGE S LEGE S LEGE S CHEDU DETAIL REF DENOTED	ND PECIFICATION. RE LE ON THIS SHEE FERENCE. SHEET #.	FER ET.	PROJECT: PROSPECT GARI	SANTEE, CA 920	B KB HOME - CO P 9915 MIRA MESSA BLV SAN DIEGO, CA
		MBOLS DENOTES I DENOTES I REFER TO	S LEGE S LEGE S LEGE S CHEDU DETAIL REF DENOTED WAST	ND PECIFICATION. RE LE ON THIS SHEE RERENCE. SHEET #.	FER ET.	PROJECT: DESIGN DESIGN	SANTEE, CA 920	Name Name Composition P P P P P P P P P P P P P P P P P P P P
		MBOLS DENOTES I DENOTES I REFER TO	S LEGE S LEGE STE SCHEDU DETAIL REF DENOTED WAST	ND PECIFICATION. RE LE ON THIS SHEE FERENCE. SHEET #. E LINE E VENT LINE	FER ET.	PROJECT GARI	SANTEE, CA 920	KB HOME - CC KB HOME - CC RB HOME - CC Participation (CA SAN DIEGO, CA CA CA CA CA CA CA CA CA CA CA CA CA C
		MBOLS DENOTES I DENOTES I REFER TO	S LEGE S LEGE S LEGE CEYNOTE S TE SCHEDU DETAIL REF DENOTED — WAST — WAST — WAST — COND — COLD	ND PECIFICATION. RE LE ON THIS SHEE FERENCE. SHEET #. E LINE E LINE E VENT LINE ENSATE WATER LINE	FER T.	PROJECT: PROSPECT GARI	SANTEE, CA 92C	KB HOME - CO B915 MIRA MESSA BLV VF VF
		MBOLS DENOTES I TO KEYNO DENOTES I REFER TO	S LEGE S LEGE S LEGE S LEGE DETAIL REF DENOTED WAST WAST COND COLD HOT I RE-CI	ND PECIFICATION. RE LE ON THIS SHEE FERENCE. SHEET #. E LINE E VENT LINE ENSATE WATER LINE WATER LINE WATER LINE WATER LINE	FER ET.	PROJECT: DESIGN	SANTEE, CA 920 CLENT ED BJ: DATE: DA	KB HOME - CO KB HOME - CO KL VF AL KL 09-15-2023 II-08-2023 02-23-2024
		MBOLS DENOTES I DENOTES I REFER TO	S LEGE S LEGE SETAIL REF DETAIL REF DENOTED WAST COND COLD HOT I RE-CI	ND PECIFICATION. RE LE ON THIS SHEE FERENCE. SHEET #. E LINE E VENT LINE ENSATE WATER LINE WATER LINE IRCULATION LOOP AIN BOX, 2.2	FER ET.	DESIGN DESIGN DRAWN CHECKE ISSUE LCL Z FAR REVISIO	SANTEE, CA 920 CLIENT EC BALE: DALE:	KB HOME - CO ER: KL 0615 MIRA MESSA BLV KL 09-15-2023 11-08-2023 02-23-2024

Permit: B-RNW-23-0006 REV Plan-Approved

Scattee DO MORE + DUE EAST

PLANS APPROVED BY THE CITY OF SANTEE

BUILDING INSPECTION DIVISION SUBJECT

Plans are accepted for construction subject

to the requirements of the California

Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and

specifications SHALL NOT be held to permit

or approve the violation of any City,

County, State, Federal Laws or other

22 California Building Standard Codes

Approved 03/06/2024

Plan Reviewer: BDivision

TO THE FOLLOWING:

restrictions.

Pla	n 1 DR/	AIN-WA	STE-VE	NT	
			LINE SIZ	Έ	
FIXTURE	DFU	TRAP	DRAIN	VENT	QTY
Water Closet	3.0	3"	3"	2"	3
Lavatory	1.0	1 1/2"	1 1/2"	1 1/2"	5
Bath Tub	2.0	1 1/2"	2"	1 1/2"	1
Shower	2.0	2"	2"	1 1/2"	1
Tub-Shower	2.0	1 1/2"	2"	1 1/2"	2
Clothes Washer	3.0	2"	2"	1 1/2"	1
Sink	2.0	1 1/2"	2"	1 1/2"	2
Dishwasher	2.0	1 1/2"	0	0	1
Ice Maker	0.0	0	0	0	0
Pet Wash	2.0	2"	2"	1 1/2"	0
DbI Lavatory	2.0	1 1/2"	1 1/2"	1 1/2"	0
Urinal	2.0	1 1/2"	2"	1 1/2"	0
n/a					0
TOTAL	31.0				16

HOSE BIBB, SEE PN.1, SECTION 3.1 ----- WATER METER/SUB-METER WATER HEATER, SEE PN.I, SECTION 3.2

DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

UMBER:

OPTION ^{LALE:} 1/4" = 1'-0" P1.2

JOB NUMBER: HS23369

PROFESSIONA LOT D. PEN C

EXPIRES 09/30/24 #M18824

CALN

PLAN 1

LEVEL 0 PLAN

(DRAIN, WASTE & VENT LAYOUT) ELEVATION A &

MECHANICAL

PLAN NUMBER:

HEET ITLE:

- HO Q ------ WASTE CLEAN OUT, SEE PN.1, SECTION 2.3
- M
- $\bigcirc \bigcirc \bigcirc$
- TANKLESS TANKED
- DENOTES PLUMBING FIXTURE @ CURRENT LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

- ATTIC ACCESS PER ARCHITECT W/ MIN 30" HEADROOM.



OPT. BDRM. 5 W/ BATH 3



ELEVATION A

(ELEV B SIM)

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" 1 LINE AND I 1/2" VENT.

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NON-CRUSHABLE CASING OR SLEEVE THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATION.
9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWING WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS SH WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO MA DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE MA OMITTED.
13 TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHERE IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DET C/PN.2.

(15B) INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF (IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.1. SECO DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOCATION BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

NA VE DN. 2 INGS. SHOWN,	IT IS THE CONTRACT TO REVIEW ALL NO INCORPORATE IN TH PRIOR TO BUILDING CONSTRUCTION DOC SHALL NOT BE USE DIC DECOMPTO	TORS/OWN TES AND D IE CONSTRI DEPARTM UMENTS AI D FOR CON	ERS/DEVEL DETAILS ON JCTION OF ENT APPRO RE SUBJEC ISTRUCTION	OPERS RESPONS I THE PN SHEETS THE STRUCTURE DVAL, THESE T TO CHANGE AI N. ANY CONSTRU	ND CTION/			
MAIN MAY BE	PROJE	THE CONT	RACTOR/B	ATIONS				
CABINET. CABINET. E INTO CONDARY ON MAY S EASILY	GENERAL: SEE SCHEDULES ON F FIXTURE. WATER: 3/4" DUAL SERVICE M VERIFY LOCATION W/ SPRINKLER ¢ DOMEST PER DETAIL 101 /PD.1 AND POINT OF SPLIT. PLAN. BELOW GRADE GRADE TO BE PEX TH GENERAL REQUIREMEN AVAILABLE AT SITE, PER DETAIL 103/PD.1 DRAIN, WASTE AND Y ABOVE AND BELOW G SECTION 2.3/PN.1 FOR VERIFY LOCATION OF CONSTRUCTION. INSTA RECOVERY TUBE PER	ILAN FOR L	ALLED PR ALLED PR NS PRIOR SYSTEMS IN 1 1/2" L WATER L ATER PRE CATER PRE ESSURE AT TE/VENT P REQUIREMI TERAL W/ PIPE DRAIN 02/PD.1.	SERVING SINGLE	ENTRY, N. FIRE TER TER BOVE R VALVE R 80 PSV SEE NATES. IOR TO	tructural	lectrical lumbing	bll free 800.877.1430
A 03/0	SOLAR PANELS PROVI ORIENTATION OF STR INTERWEST A SAFEDURE COMPANY A S	EAT F UI	OF, LOCA EE PLANS MP WA IST HR RATING (GAL) 67	TION VARIES BAS PROVIDED BY O TER HEATE ELECTRICAL VOLTS PH-MOCP 208-240V IPH-30A	RI UNIT (LBS) 590		ateway Oaks Dr. Entro, CA 95833	el 916.921.2800 ax 916.921.2878 t
	WH RHEEM 65 PRO H65 T2 1. MINIMUM REQUIRED S OPTION. 2. VERIFY REQUIRED UI 3. SEE DETAIL 407/PD	3.5 BIZE SHOWN EF PER T2- 1.	75 N. MAY BE 4 DOCUMEN	208-240V IPH-30A INCREASED AT I	770 BUILDER		2295 G Sacram	sloan th



BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California

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Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV

Plan-Approved

LEVEL INDICATOR	
LEVEL 1	ECT GARDENS TEE, CA 92071
	SP
	Ω °
DENOTES KEYNOTE SPECIFICATION. REFER TO KEYNOTE SCHEDULE ON THIS SHEET.	PROJECT:
REFER TO DENOTED SHEET #.	PROJECT MAN
	DESIGNER:
	DRAWN BY:
WASTE LINE	CHECKED BY:
WASTE VENT LINE	ISSUE DATE:
CONDENSATE	REVISIONS:
COLD WATER LINE	LI CLIENT R
HOT WATER LINE	FW ¢ CLIE
RE-CIRCULATION LOOP	L_ REVS
WASHER WATER/DRAIN BOX, SEE PN.1, SECTION 2.2	
HO Q - WASTE CLEAN OUT, SEE PN.1, SECTION 2.3	STAMP:
●	REGIST
M WATER METER/SUB-METER	× #
TANKLESS TANKED	PLAN NUMBER: PL
DENOTES PLUMBING FIXTURE @ CURRENT LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).	(DRAIN VENT ELEVA
DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).	SCALE: 1/4 SHEET NUMBER:

Plai	n 1 DR/	AIN-WA	STE-VE	INT	
			LINESIZ	Έ	
FIXTURE	DFU	TRAP	DRAIN	VENT	QTY
Water Closet	3.0	3"	3"	2"	3
Lavatory	1.0	1 1/2"	1 1/2"	1 1/2"	5
Bath Tub	2.0	1 1/2"	2"	1 1/2"	1
Shower	2.0	2"	2"	1 1/2"	1
Tub-Shower	2.0	1 1/2"	2"	1 1/2"	2
Clothes Washer	3.0	2"	2"	1 1/2"	1
Sink	2.0	1 1/2"	2"	1 1/2"	2
Dishwasher	2.0	1 1/2"	0	0	1
Ice Maker	0.0	0	0	0	0
Pet Wash	2.0	2"	2"	1 1/2"	0
DbI Lavatory	2.0	1 1/2"	1 1/2"	1 1/2"	0
Urinal	2.0	1 1/2"	2"	1 1/2"	0
n/a					0
TOTAL	31.0				16

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LEVEL INDICATOR	S S S S S S S S S S S S S S S S S S S
	harris
	ECT GARDENS FEE, CA 92071 ME - COASTAL ESSA BLVD SUITE 100 IEGO, CA 92131
SYMBOLS LEGEND	
DENOTES KEYNOTE SPECIFICATION. REFER TO KEYNOTE SCHEDULE ON THIS SHEET.	PRC PRC KB 915 MIR S/
- DENOTES DETAIL REFERENCE. - REFER TO DENOTED SHEET #.	PROJECT MANAGER: KL DESIGNER: VF
WASTE LINE	DRAWN BY: AL CHECKED BY: KL
CD_CD_ CD_ CONDENSATE	REVISIONS:
HOT WATER LINE	2 FW ¢ CLIENT REV 11-08-2023 2 FW ¢ CLIENT 02-23-2024
HASHER WATER/DRAIN BOX, SEE PN.1, SECTION 2.2	
-O Q - WASTE CLEAN OUT, SEE PN.1, SECTION 2.3	STAMP:
→ H → HOSE BIBB, SEE PN.1, SECTION 3.1	EXPIRES BE 09/30/24
M WATER METER/SUB-METER	★ #M18824 → #CHANICAL → CALIFOR
ANKLESS TANKED WATER HEATER, SEE PN.1, SECTION 3.2	PLAN NUMBER: PLAN 1 SHEET TITLE:
DENOTES PLUMBING FIXTURE @ CURRENT LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).	LEVEL 1 PLAN (DRAIN, WASTE & VENT LAYOUT) ELEVATION A & OPTION
DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).	SCALE: 1/4" = 1'-0" SHEET NUMBER:
ATTIC ACCESS PER ARCHITECT W/ MIN 30" HEADROOM.	P1.3

FOR JURISDICTION USE:

430 an r

free w.ha

toll ww



OPT. BDRM. 5 W/ BATH 3



		Pla	n 1 WA	TER	
	LINE	SIZE			M
FIXTURE	CW	HW	QTY	MAN 1	Μ
Water Closet	1/2"	0	3	1	
Lavatory	1/2"	1/2"	5	2	
Bath Tub	1/2"	1/2"	1	1	
Shower	1/2"	1/2"	1	1	
Tub-Shower	1/2"	1/2"	2	0	
Clothes Washer	1/2"	1/2"	1	0	
Sink	1/2"	1/2"	2	0	
Dishwasher	0	1/2"	1	0	
Ice Maker	1/2"	0	1	0	
			0	0	
			0	0	
			0	0	
			0	0	
			0	0	
Hose Bib	1/2"	0	2	0	
TOTAL			19	5	

ELEVATION A

(ELEV B SIM)

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLE WATER PROOF AND NON-CRUSHABLE CASING OR THAT ALLOWS FOR INSTALLATION, REMOVAL, ANI REPLACEMENT OF THE ENCLOSED PIPE AND INSUI
 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL D WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES WHERE BACKWATER VALVE IS NOT REQUIRED BY DRAWINGS, IST FLOOR FIXTURES MAY BE TIED IN DWV SYSTEM W/IN BUILDING FOOTPRINT AND VAL OMITTED.
 13 TWO-WAY COTG SAME SIZE AS WASTE LATERAL, IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. S C/PN.2.

(15B) INSTALL PIPE OUTSIDE OF WALL CAVITY IN REA (IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN T NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.I DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOU BE ADJUSTED W/ BUILDER APPROVAL PROVIDED VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER M LINE AND I 1/2" VENT.

	GENERAL NOTES	FOR URISPICTION USE:
LED IN A R SLEEVE	I. IT IS THE CONTRACTORS/OWNERS/DEVELOPERS RESPONSIBILITY TO REVIEW ALL NOTES AND DETAILS ON THE PN SHEETS AND	For SocieDie Hor OSE.
AND SULATION. 2	INCORPORATE IN THE CONSTRUCTION OF THE STRUCTURE. 2. PRIOR TO BUILDING DEPARTMENT APPROVAL, THESE CONSTRUCTION DOCUMENTS ARE SUBJECT TO CHANCE AND	
DRAWINGS. ES AS SHOWN, BY CIVIL	SHALL NOT BE USED FOR CONSTRUCTION. ANY CONSTRUCTION/ BIDS PERFORMED BEFORE PERMIT ISSUANCE IS THE	
VALVE MAY BE	RESPONSIBILITY OF THE CONTRACTOR/BIDDER.	
AL, WHERE IS SEE DETAIL	PROJECT SPECIFICATIONS	
AR OF CABINET.	GENERAL: SEE SCHEDULES ON PLAN FOR LINE SIZES SERVING SINGLE	
TO TIE INTO	HATER:	шо
D.I . SECONDARY LOCATION MAY ED IT IS EASILY	VERIFY LOCATION W/ CIVIL PLANS PRIOR TO CONSTRUCTION. FIRE SPRINKLER & DOMESTIC WATER SYSTEMS SPLIT AFTER METER	:30 n.cc
AITH 2" DRAIN	PER DETAIL 101 / PD.I INSTALL MIN I 1/2" LINE BETWEEN METER AND POINT OF SPLIT. DOMESTIC WATER LINE SIZES NOTED ON PLAN. BELOW GRADE WATER PIPE TO BE PVC OR CPVC, ABOVE	7.14 sloa
	GRADE TO BE PEX TUBING, UNO. SEE SECTION 2.2/PN.1 FOR GENERAL REQUIREMENTS AND ALTERNATES. HIGH PRESSURE	877 877
	PER DETAIL 103/PD.1 WHERE PRESSURE AT METER IS OVER 80 PS/ DRAIN, WASTE AND VENT:	al cal cal cal cal cal cal cal cal cal c
	ABOVE AND BELOW GRADE WASTE/VENT PIPE TO BE ABS. SEE SECTION 2.3/PN.I FOR GENERAL REQUIREMENTS AND ALTERNATES.	tura anic ical bing bar har
	CONSTRUCTION. INSTALL POWERPIPE DRAIN WATER HEAT RECOVERY TUBE PER DETAIL 402/PD.1.	ech. ectr umb ww.
	SOLAR: SOLAR PANELS PROVIDED ON ROOF, LOCATION VARIES BASED ON ORIENTATION OF STRUCTURE, SEE PLANS PROVIDED BY OTHERS	₹₽ ₩ ₽
		00 33. 78
	ED HEAT FUMP WATER HEATER	aks 958: 28(28
Δ	A SAFEDUIT COMPANY MAKE UEI 2 IST HR ELECTRICAL UNIT RATING VOLTS WEIGHT	, Oa CA (921. 921.
	(GAL) PH-MOCP (LBS)	way o, C 16 (
03/0	50 PRO H50 T2 3.5 67 208-240V 590 590	atev ient el 9. ax 9
	WH RHEEM 3.5 76 208-240V 770	5 G ram fé
	65/ PRO H65 T2 3.3 /5 IPH-30A //0	Sac
	1. MINIMUM REQUIRED SIZE SHOWN. MAY BE INCREASED AT BUILDER OPTION. 2 VERIEY REQUIRED LIFE PER 124 DOCUMENTATION	l ö
	3. SEE DETAIL 407/PD.1.	
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		920 920 0/ 0/ 0/
		T U U U U U U U U U U U U U U U U U U U
		S/ S/ S/
	TO KEYNOTE SCHEDULE ON THIS SHEET.	
		CLIEN
	REFER TO DENOTED SHEET #.	PROJECT MANAGER: KL
		DESIGNER: VF
		DRAWN BY: AL
	WASTE VENT LINE	CHECKED BY: KL
	_CD_CD_CD_ CONDENSATE	155UE DATE: 09-15-2023 REVISIONS:
	COLD WATER LINE	I CLIENT REV 11-08-2023
		2 FW & CLIENT 02-23-2024 REVS
	WASHER WATER/DRAIN BOX, SEE PN.1, SECTION 2.2	
		STAMP:
	HO Q HASTE CLEAN OUT, SEE PN.1, SECTION 2.3	STATUTE STATUTE
		LE FRI D. PENDIC
	↔ H ← HOSE BIBB, SEE PN.1, SECTION 3.1	FXPIRES
		★ 097/30/24 ★ #M18824 ★
	(M) - WATER METER/SUB-METER	CHANICAL RN
		I CALIFO
	WATER HEATER, SEE PN.I, SECTION 3.2	PLAN NUMBER:
	TANKLESS TANKED	PLAN 1ALT-A
		TITLE:
R TOTALS 3.4 GPM	DENOTES PLUMBING FIXTURE @ CURRENT	
3.3 GPM 8.6 GPM	- LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).	(WATER LAYOUT)
		ELEVATION A &
		OPTION
	DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/	SCALE: 1/4" - 41 0"
	ARCHITECTURAL PLANS).	I/4 = I-U" SHEET NUMBER:

ATTIC ACCESS PER ARCHITECT W/ MIN 30"

JOB NUMBER: HS23369

TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions. 022 California Building Standard Code Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

Sentee DO MORE + DUE EAST

PLANS APPROVED BY THE CITY OF SANTEE

BUILDING INSPECTION DIVISION SUBJECT

			Plan 1 WA	TER TO	TALS
MANIFC	LD QTY	S	Water Service	13.4	GPM
MAN 2	MAN 3	MAN 4	Cold Water	13.3	GPM
1	1	0	Hot Water	8.6	GPM
2	1	0			
0	0	0			
0	0	0			
1	1	0			
0	0	0			
0	0	0			
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0	0	0			
0	0	0			
0	1	0			
4	4	0			



MATCHLINE

OPT. BDRM. 5 W/ BATH 3



ELEVATION A

(ELEV B SIM)

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NON-CRUSHABLE CASING OR SLEEVE THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATION. 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWINGS. WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS SHOWN, WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO MAIN DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE MAY BE OMITTED. (13) TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHERE IS IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DETAIL C/PN.2.

(IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE INTO NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.1. SECONDARY DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOCATION MAY BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS EASILY VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" DRAIN LINE AND I 1/2" VENT.

C

Santee

PLANS APPROVED BY THE CITY OF SANTER BUILDING INSPECTION DIVISION SUBJECT

Plans are accepted for construction subject

to the requirements of the California

Housing Law and the building laws of the City of Santee, California. The stamping or

watermarking of these plans and

specifications SHALL NOT be held to permit

or approve the violation of any City, County, State, Federal Laws or other

22 California Building Standard Codes

Approved 03/06/2024

Permit: B-RNW-23-0006 REV

Plan Reviewer: BDivision

TO THE FOLLOWING:

restrictions.

Plan-Approved



GENERAL NOTES

FOR JURISDICTION USE:

Pla	n 1 DR/	AIN-WA	STE-VE	INT	
			LINE SIZ	Έ	
FIXTURE	DFU	TRAP	DRAIN	VENT	QTY
Water Closet	3.0	3"	3"	2"	3
Lavatory	1.0	1 1/2"	1 1/2"	1 1/2"	5
Bath Tub	2.0	1 1/2"	2"	1 1/2"	1
Shower	2.0	2"	2"	1 1/2"	1
Tub-Shower	2.0	1 1/2"	2"	1 1/2"	2
Clothes Washer	3.0	2"	2"	1 1/2"	1
Sink	2.0	1 1/2"	2"	1 1/2"	2
Dishwasher	2.0	1 1/2"	0	0	1
Ice Maker	0.0	0	0	0	0
Pet Wash	2.0	2"	2"	1 1/2"	0
Dbl Lavatory	2.0	1 1/2"	1 1/2"	1 1/2"	0
Urinal	2.0	1 1/2"	2"	1 1/2"	0
n/a					0
ΤΟΤΑΙ	31.0				16

DESIGNER: DRAWN BY: CHECKED BY: ---- WASTE VENT LINE ISSUE DATE: 09-15-2023 _CD_CD_CD_ CONDENSATE REVISIONS: COLD WATER LINE 1 CLIENT REV 11-08-2023 ----- HOT WATER LINE 2 FW & CLIENT 02-23-2024 REVS 02-23-2024 ------ RE-CIRCULATION LOOP HASHER WATER/DRAIN BOX, SEE PN.1, SECTION 2.2 STAMP: HOSE BIBB, SEE PN.1, SECTION 3.1 M ----- WATER METER/SUB-METER MECHANICAL WATER HEATER, SEE PN.I, SECTION 3.2 000UMBER: PLAN 1ALT-A TANKLESS TANKED TLE LEVEL 0 PLAN DENOTES PLUMBING FIXTURE @ CURRENT LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS). (DRAIN, WASTE & VENT LAYOUT) **ELEVATION A &**

----- DENOTES DETAIL REFERENCE. - REFER TO DENOTED SHEET #.

DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

ATTIC ACCESS PER ARCHITECT W/ MIN 30"

HEADROOM.

[·] 1/4" = 1'-0"

JOB NUMBER: HS23369

JMBER: 1A.2 **|D**1

OPTION

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VF

AL

KL

PROJECT MANAGER: KL

PROFESSION RT D. PEN

EXPIRES 09/30/24 #M18824

CALIY



OPT. BDRM. 5 W/ BATH 3



ELEVATION A

MATCHLINE

(ELEV B SIM)

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NON-CRUSHABLE CASING OR SLEEVE THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATION. 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWINGS WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS SHO WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO MAIN DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE MAY OMITTED. 13 TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHERE IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DETA C/PN.2. 15B INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF CA

(IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE IN NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.1. SECOND DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOCATION M BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS EA VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" DR LINE AND I 1/2" VENT.

A E GS. HOWN, AIN AY BE	 IT IS THE CONTRACT TO REVIEW ALL NOT INCORPORATE IN TH PRIOR TO BUILDING CONSTRUCTION DOC SHALL NOT BE USEI BIDS PERFORMED B RESPONSIBILITY OF 	TORS/OWN TES AND E E CONSTR DEPARTM JMENTS A D FOR CON EFORE PER THE CONT	ERS/DEVEL DETAILS ON UCTION OF ENT APPRO RE SUBJEC STRUCTIO RMIT ISSU/ RACTOR/B	OPERS RESPONS THE PN SHEETS THE STRUCTURE OVAL, THESE TTO CHANGE AI N. ANY CONSTRU ANCE IS THE IDDER.	IBILITY 5 AND 5. ND CTION/		
	PROJE	CT SP	ECIFIC	ATIONS			
ABINET. INTO NDARY MAY EASILY DRAIN	GENERAL: SEE SCHEDULES ON P FIXTURE. 3/4" DUAL SERVICE M VERIFY LOCATION W/ SPRINKLER & DOMEST PER DETAIL IOI /PD.1 AND POINT OF SPLIT. PLAN. BELOW GRADE GRADE TO BE PEX TL GENERAL REQUIREMEN AVAILABLE AT SITE, PER DETAIL IO3/PD.1 DRAIN, WASTE AND V ABOVE AND BELOW GF SECTION 2.3/PN.1 FOR VERIFY LOCATION OF CONSTRUCTION. INSTA RECOVERY TUBE PER SOLAR PANELS PROVI ORIENTATION OF STRI	LAN FOR I ETER INST CIVIL PLAI C WATER NSTALL M NSTALL M NSTALL M WHERE PR CADE WAS GENERAL SEWER LA SEWER LA LL POWER DETAIL 40 DETAIL 40 DETAIL 40	ALLED PR ALLED PR NS PRIOR SYSTEMS IIN I 1/2" L C WATER L PE TO BE SEE SEC LTERNATE: ATER PRE ESSURE A TE/VENT F REQUIREM TERAL W/ PIPE DRAIL 02/PD.1. 00F, LOCA EE PLANS	SERVING SINGLE IOR TO BUILDING TO CONSTRUCTIO SPLIT AFTER ME INE BETWEEN ME INE SIZES NOTEL PVC OR CPVC, A TION 2.2/PN.1 FO 5. HIGH PRESSUR SSURE REDUCING METER IS OVER SURE REDUCING METER IS OVER METER IS OVER NUMBER ABS. ENTS AND ALTER CIVIL PLANS PR N WATER HEAT TION VARIES BAS PROVIDED BY O	2 ENTRY, N. FIRE TER DON BOVE R VALVE X 80 PSI SEE NATES. IOR TO SEE ON THERS.	Structural	Electrical Plumbing
			MP WA	TER HEATE	R'		ks Dr. 5833
A	A SAFEWIT COMPANY OPPOVED	UEI 2	IST HR RATING (GAL)	ELECTRICAL VOLTS PH-MOCP	UNIT WEIGHT (LBS)		ay Oa CA 9
03/0	50 4 9:26 27 AM	3.5	67	208-240V IPH-30A	590		atewa
	(WH) (65) RHEEM PRO H65 T2	3.5	75	208-240V IPH-30A	770		295 G acram
	1. MINIMUM REQUIRED S OPTION. 2. VERIFY REQUIRED UE	TZE SHOWN	N. MAY BE 4 DOCUMEN	INCREASED AT	BUILDER		0 0

GENERAL NOTES

FOR JURISDICTION USE:

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LEVEL 1 PLAN

(DRAIN, WASTE & VENT LAYOUT) ELEVATION A &

HEE I ITLE:

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3. SEE DETAIL 407/PD.I.

LEVEL INDICATOR



BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

22 California Building Standard Code

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	PECT GARDENS VTEE, CA 92071 DME - COASTAL MESSA BLVD SUITE 100 DIEGO, CA 92131
SYMBOLS LEGEND	SAI 3 H(3 B(3 B(3 B(3 B(3 B(3 B())))
DENOTES KEYNOTE SPECIFICATION. REFER TO KEYNOTE SCHEDULE ON THIS SHEET.	15 M NT: D
- DENOTES DETAIL REFERENCE.	PRO CLIE 90
REFER TO DENOTED SHEET #.	PROJECT MANAGER: KL
	DESIGNER: VF
WASTE LINE	CHECKED BY: KI
WASTE VENT LINE	ISSUE DATE: 09-15-2023
CD_CD_CDCDCONDENSATE	REVISIONS:
	CLIENT REV 11-08-2023
	2 FW & CLIENT 02-23-2024 REVS
HASHER WATER/DRAIN BOX,	
HO Q - WASTE CLEAN OUT, SEE	STAMP:
	PROFESSIONAL CL
●	
	EXPIRES 5
M WATER METER/SUB-METER	#WHOOZ+
	CALIFOR CALIFOR
WATER HEATER, SEE PN.I,	PLAN
SECTION 3.2	
I ANKLESS TANKED	

Pla	n 1 DR/	N-WA	STE-VE	NT	
			LINE SIZ	Έ	
FIXTURE	DFU	TRAP	DRAIN	VENT	QTY
Water Closet	3.0	3"	3"	2"	3
Lavatory	1.0	1 1/2"	1 1/2"	1 1/2"	5
Bath Tub	2.0	1 1/2"	2"	1 1/2"	1
Shower	2.0	2"	2"	1 1/2"	1
Tub-Shower	2.0	1 1/2"	2"	1 1/2"	2
Clothes Washer	3.0	2"	2"	1 1/2"	1
Sink	2.0	1 1/2"	2"	1 1/2"	2
Dishwasher	2.0	1 1/2"	0	0	1
Ice Maker	0.0	0	0	0	0
Pet Wash	2.0	2"	2"	1 1/2"	0
DbI Lavatory	2.0	1 1/2"	1 1/2"	1 1/2"	0
Urinal	2.0	1 1/2"	2"	1 1/2"	0
n/a					0
ΤΟΤΑΙ	310				16

DENOTES PLUMBING FIXTURE @ CURRENT LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

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- ATTIC ACCESS PER ARCHITECT W/ MIN 30" HEADROOM.

OPTION ^{ALE:} 1/4" = 1'-0" JMBER:

JOB NUMBER: HS23369

1A.3 |P1





OPT. DEN W/ POWDER





		Pla	n 2 WA	TER				
	LINE	SIZE			MA			
FIXTURE	CW	HW	QTY	MAN 1	M			
Water Closet	1/2"	0	3	1				
Lavatory	1/2"	1/2"	5	2				
Bath Tub	1/2"	1/2"	1	1				
Shower	1/2"	1/2"	1	1				
Tub-Shower	1/2"	1/2"	2	0				
Clothes Washer	1/2"	1/2"	1	0				
Sink	1/2"	1/2"	2	1				
Dishwasher	0	1/2"	1	0				
Ice Maker	1/2"	0	1	0				
			0	0				
			0	0				
			0	0				
			0	0				
			0	0				
Hose Bib	1/2"	0	2	0				
TOTAL			19	6				

ELEVATION A

(ELEV B SIM)

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NON-CRUSHABLE CASING OR SLEEVE THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATION. 2 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWINGS. WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS SHOWN, WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO MAIN DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE MAY BE OMITTED. (13) TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHERE IS IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DETAIL C/PN.2. (15B) INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF CABINET.

(IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE INTO NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.I. SECONDARY DRAIN TO RUN TO EXTERIOR, OVER MINDOW, LOCATION MAY BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS EASILY VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" DRAIN LINE AND I 1/2" VENT.

TO REVIEW ALL NOTES AND DETAILS ON THE PN SHEETS AND INCORPORATE IN THE CONSTRUCTION OF THE STRUCTURE. PRIOR TO BUILDING DEPARTMENT APPROVAL, THESE CONSTRUCTION DOCUMENTS ARE SUBJECT TO CHANGE AND SHALL NOT BE USED FOR CONSTRUCTION. ANY CONSTRUCTION/ BIDS PERFORMED BEFORE PERMIT ISSUANCE IS THE RESPONSIBILITY OF THE CONTRACTOR/BIDDER. PROJECT SPECIFICATIONS <u>GENERAL:</u> SEE SCHEDULES ON PLAN FOR LINE SIZES SERVING SINGLE IXTURE. $\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim$ WATER: 3/4" DUAL SERVICE METER INSTALLED PRIOR TO BUILDING ENTRY VERIFY LOCATION W/ CIVIL PLANS PRIOR TO CONSTRUCTION. FIRE SPRINKLER & DOMESTIC WATER SYSTEMS SPLIT AFTER METER PER DETAIL 101 / PD.1 INSTALL MIN I 1/2" LINE BETWEEN METER AND POINT OF SPLIT. DOMESTIC WATER LINE SIZES NOTED ON PLAN. BELOW GRADE WATER PIPE TO BE PVC OR CPVC, ABOVE GRADE TO BE PEX TUBING, UNO. SEE SECTION 2.2/PN.1 FOR GENERAL REQUIREMENTS AND ALTERNATES. HIGH PRESSURE AVAILABLE AT SITE, INSTALL WATER PRESSURE REDUCING VALVE PER DETAIL 103/PD.1 WHERE PRESSURE AT METER IS OVER 80 PS DRAIN, WASTE AND VENT: ABOVE AND BELOW GRADE WASTE/VENT PIPE TO BE ABS. SEE SECTION 2.3/PN.I FOR GENERAL REQUIREMENTS AND ALTERNATES. VERIFY LOCATION OF SEWER LATERAL W/ CIVIL PLANS PRIOR TO CONSTRUCTION. INSTALL POWERPIPE DRAIN WATER HEAT RECOVERY TUBE PER DETAIL 402/PD.1. Str Me Ele Plu <u>SOLAR:</u> SOLAR PANELS PROVIDED ON ROOF, LOCATION VARIES BASED ON ORIENTATION OF STRUCTURE, SEE PLANS PROVIDED BY OTHERS.

GENERAL NOTES

IT IS THE CONTRACTORS/OWNERS/DEVELOPERS RESPONSIBILITY

FOR JURISDICTION USE:

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09-15-202

1 CLIENT REV 11-08-2023

2 FW & CLIENT 02-23-2024 REVS 02-23-2024

PROFESS/ON

TOT D. PEN

EXPIRES

09/30/24 #M18824

MECHANICAL

PLAN 2

BLVD (CA 92

GO

GARDENS

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PROSP

DESIGNER:

DRAWN BY:

REVISIONS:

STAMP:

UMBER:

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PROJECT MANAGER:

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		ED HE	AT F	U	MP WA	TER HEATEF	र '
Ap	A SAFEbu		UEł	2	IST HR RATING (GAL)	ELECTRICAL VOLTS PH-MOCP	UNIT WEIGHT (LBS)
03/05/2	20 2 50/	4 9:20:27 AM	3.5		67	208-240V IPH-30A	590
< v e	₩H 65	RHEEM PRO H65 T2	3.5	>	75	208-240V IPH-30A	770

1. MINIMUM REQUIRED SIZE SHOWN. MAY BE INCREASED AT BUILDER OPTION. 2. VERIFY REQUIRED UEF PER T24 DOCUMENTATION. 3. SEE DETAIL 407/PD.I.





5 3 0

M	WATER METER/SUB-METER
TANKLESS	WATER HEATER, SEE PN.I, SECTION 3.2
	DENOTES PLUMBING FIXTURE @ CURRENT — LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

ATTIC ACCESS PER ARCHITECT W/ MIN 30"

LEVEL 1 PLAN (WATER LAYOUT) **ELEVATION A &** OPTION [·] 1/4" = 1'-0"

P2.1

JOB NUMBER: HS23369

UMBER:

HEADROOM.

AXA .



OPT. BED 6 & DEN W/POWDER





Plan 2 WATER LINE SIZE MANIF CW HW QTY MAN 1 MAN 2 FIXTURE Water Closet 1/2" 0 3 1 1/2" 1/2" 5 2 Lavatory **ELEVATION A** 1/2" 1/2" 1 Bath Tub 1 Shower 1/2" 1/2" 1 1 (ELEV B SIM) Tub-Shower 1/2" 1/2" 2 0 **Clothes Washer** 1/2" 1/2" 1 0 Sink 1/2" 1/2" 2 1 0 1/2" 1 Dishwasher 0 1/2" 0 Ice Maker 0 0 0 0 0 0 1/2" 0 0 0 Hose Bib 19 6 5 3 0 TOTAL

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED I WATER PROOF AND NON-CRUSHABLE CASING OR SLE. THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULAT 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAW WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVI DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE OMITTED. IB TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHE IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DE C/PN.2.

(15B) INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF IGA 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TI NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.1. SEC DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOCATIO BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT I VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH LINE AND I 1/2" VENT.

	03/	A		" DRAIN	E INTO CONDARY ON MAY IS EASILY	IERE IS DETAIL	ION. 2 NINGS. SHOWN, IL MAIN MAY BE	NA
WH 65	0 <mark>5/20</mark>			AND PLAN GRAI GENE AVAI PER DRAI ABO SECT VER COS RECC SOLA SOLA	SEE FIXTU 3/4" VERI SPRI PER	GENE	2. PR CO SH RE	I. IT
RHEEM PRO H65 T2	24 9:26:27 AN	roved	ERWEST (ED HE	POINT OF SPLIT. I. BELOW GRADE I DE TO BE PEX TU RAL REQUIREMEN LABLE AT SITE, I DETAIL I03/PD.I I OK AND BELOW GR TON 2.3/PN.I FOR FY LOCATION OF DETRUCTION. INSTA WERY TUBE PER R. R PANELS PROVII NTATION OF STRI	SCHEDULES ON PI JRE. DUAL SERVICE M FY LOCATION W/ NKLER ¢ DOMESTI DETAILIOI (PD.I I DETAILIOI (PD.I I	PROJE	REVIEW ALL NOT CORPORATE IN TH IOR TO BUILDING NSTRUCTION DOCI ALL NOT BE USEI OS PERFORMED B SPONSIBILITY OF	IS THE CONTRACT
3.5	3.5	UEF ²	AT F U	DOMESTIC WATER PI BING, UNC TS AND A INSTALL M WHERE PR ENT: RADE WAS GENERAL SEWER LA LL POWER DETAIL 4 DETAIL 4 DED ON R ICTURE	LAN FOR ETER INS CIVIL PLA C WATER NSTALL T	CT SF	ES AND I E CONSTR DEPARTM JMENTS A FOR COI EFORE PE THE CONT	TORS/OWN
75	67	IST HR RATING (GAL)	MP WA	C WATER L PE TO BE O. SEE SEC ALTERNATE NATER PRE ESSURE A DETE/VENT F REQUIREM ATERAL W/ RPIPE DRAI 02/PD.I. COOF, LOCA DEE PLANS	LINE SIZES TALLED PR NS PRIOR SYSTEMS 11N I 1/2" L	PECIFIC	DETAILS OF SUCTION OF IENT APPR RE SUBJEC NSTRUCTIO RMIT ISSU, FRACTOR/E	IERS/DEVE
208-240V IPH-30A	208-240V IPH-30A	ELECTRICAL VOLTS PH-MOCP	TER HEATE	INE SIZES NOTE PVC OR CPVC, TION 2.2/PN.1 Fi 5. HIGH PRESSU SSURE REDUCIN T METER IS OVE PIPE TO BE ABS ENTS AND ALTE CIVIL PLANS PF N WATER HEAT TION VARIES BA PROVIDED BY (SERVING SINGL	ATIONS	N THE PN SHEET THE STRUCTUR OVAL, THESE TT TO CHANGE A N. ANY CONSTRI ANCE IS THE IDDER.	OPERS RESPON
770	590	UNIT WEIGHT (LBS)	ER'	D ON ABOVE OR RE IG VALVE ER 80 PS . SEE RNATES. RIOR TO ASED ON DTHERS.	E 2 G ENTRY ON. FIRE IETER ETER ETER		IS AND RE. AND UCTION/	SIBILITY
				Structural				
יי אסכע	atem		ke Dr	Mechanical				
Sacran	nento	, CA 9	5833	Electrical				

GENERAL NOTES

I. MINIMUM REQUIRED SIZE SHOWN. MAY BE INCREASED AT BUILDER OPTION. 2. VERIFY REQUIRED UEF PER T24 DOCUMENTATION.

LEVEL INDICATOR

3. SEE DETAIL 407/PD.I.

C Santee

PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other

022 California Building Standard Codes

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



SYMBOLS LEGEND

----- DENOTES DETAIL REFERENCE. - REFER TO DENOTED SHEET #. ---- WASTE VENT LINE _CD_CD_CD_ CD_ CONDENSATE ----- COLD WATER LINE ----- HOT WATER LINE ------ RE-CIRCULATION LOOP WASHER WATER/DRAIN BOX, SEE PN.1, SECTION 2.2 HOSE BIBB, SEE PN.I, SECTION 3.1 M ----- WATER METER/SUB-METER

WATER HEATER, SEE PN.I, SECTION 3.2 $\bigcirc \bigcirc \bigcirc$ TANKLESS TANKED

DENOTES PLUMBING FIXTURE @ CURRENT LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

ATTIC ACCESS PER ARCHITECT W/ MIN 30"

HEADROOM.

			Plan 2 WA	TER TO	TALS	
FC	DLD QTY	5	Water Service	13.4	GPM	
2	MAN 3	MAN 4	Cold Water	13.3	GPM	
	1	0	Hot Water	8.6	GPM	
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KB HOME - COASTAL KB HOME - COASTAL 15 MIRA MESSA BLVD SUITE 100 SAN DIEGO, CA 92131 PECT GARDENS VTEE, CA 92071 PROSP 2 66 PROJECT MANAGER: KL DESIGNER: VF RAWN BY: AL HECKED BY: KL SSUE DATE: 09-15-2023 REVISIONS: 1 CLIENT REV 11-08-2023 2 FW & CLIENT 02-23-2024 REVS 02-23-2024 STAMP: PROFESS/ONA Les Control D. PEND CH EXPIRES 09/30/24 #M18824 MECHANICAL CALIFY NUMBER: PLAN 2 HEE I ITLE: LEVEL 2 PLAN (WATER LAYOUT) **ELEVATION A &** OPTION CALE: [·] 1/4" = 1'-0" UMBER: P2.2



JOB NUMBER: HS23369



FOR JURISDICTION USE:

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LEVE 0 PLAN W/BACKWATER VALVE



OPT. DEN W/ POWDER







(ELEV B SIM)

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN WATER PROOF AND NON-CRUSHABLE CASING OR SLEEN THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATIO 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWIN WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS S WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO M DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE M OMITTED. 13 TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHER IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DE C/PN.2.

(15B) INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF (IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.1. SEC DRAIN TO RUN TO EXTERIOR, OVER MINDOW, LOCATION BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" LINE AND I 1/2" VENT.

GENERAL NOTES

FOR JURISDICTION USE:

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- COASTAL BLVD SUITE 10 , CA 92131

KB HOME -15 MIRA MESSA E SAN DIEGO,

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I. MINIMUM REQUIRED SIZE SHOWN. MAY BE INCREASED AT BUILDER OPTION. 2. VERIFY REQUIRED UEF PER T24 DOCUMENTATION.

3. SEE DETAIL 407/PD.I.



BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and

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Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved



ATTIC ACCESS PER ARCHITECT W/ MIN 30" HEADROOM.

Plan 2 DRAIN-WASTE-VENT									
			LINE SIZ	Έ					
FIXTURE	DFU	TRAP	DRAIN	VENT	QTY				
Water Closet	3.0	3"	3"	2"	3				
Lavatory	1.0	1 1/2"	1 1/2"	1 1/2"	5				
Bath Tub	2.0	1 1/2"	2"	1 1/2"	1				
Shower	2.0	2"	2"	1 1/2"	1				
Tub-Shower	2.0	1 1/2"	2"	1 1/2"	2				
Clothes Washer	3.0	2"	2"	1 1/2"	1				
Sink	2.0	1 1/2"	2"	1 1/2"	2				
Dishwasher	2.0	1 1/2"	0	0	1				
lce Maker	0.0	0	0	0	0				
Pet Wash	2.0	2"	2"	1 1/2"	0				
Dbl Lavatory	2.0	1 1/2"	1 1/2"	1 1/2"	0				
Urinal	2.0	1 1/2"	2"	1 1/2"	0				
n/a					0				
TOTAL	31.0				16				

DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS). UMBER: P2.3





JOB NUMBER: HS23369



OPT. DEN W/ POWDER

ELEVATION A

(ELEV B SIM)



KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NON-CRUSHABLE CASING OR SLEEVE THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATION. 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWINGS WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS SHO WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO MAIN DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE MAY OMITTED. OMITTED. (13) TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHERE IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DETA C/PN.2.

15B INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF CA (IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE IN NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.1. SECONE DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOCATION M BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS EA VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" DR LINE AND I 1/2" VENT.

		GE	ENERA	AL NOTE	ES		FOR JURIS	DICTION L	JSE:
<u>م</u>	I. IT I то	S THE CONTRACT REVIEW ALL NOTI	ORS/OWN ES AND [ERS/DEVEL DETAILS <i>O</i> N	OPERS RESPONSI	BILITY AND			
-		ORPORATE IN THE	CONSTR	UCTION OF	THE STRUCTURE	•			
GS.	CON	ISTRUCTION DOCU	MENTS A	RE SUBJEC	T TO CHANGE AN				
	BID	S PERFORMED BE	FORE PE	RMIT ISSUA	ANCE IS THE				
AY BE	RES	PONSIBILITY OF	THE CONT	RACIOR/B	IDDER.				
E IS		PROJE	CT SF	PECIFIC	ATIONS				
TAIL ABINET.	<u>GENER</u> SEE S FIXTU	RAL: ICHEDULES ON PL RE.	AN FOR I	LINE SIZES	SERVING SINGLE	2	<u> </u>		
INTO NDARY MAY EASILY	WATE 3/4" I VERIF SPRIN	<u>R:</u> DUAL SERVICE ME Y LOCATION W/ C IKLER ¢ DOMESTIC	TER INST CIVIL PLA WATER	V V V TALLED PR NS PRIOR SYSTEMS	IOR TO BUILDING TO CONSTRUCTIOI SPLIT AFTER ME	ENTRY, N. FIRE TER			430 an.com
DRAIN	GRAD	POINT OF SPLIT. BELOW GRADE M E TO BE PEX TUE RAL REQUIREMENT ABLE AT SITE IN	DOMESTIC NATER PII BING, UNC S AND A	ON BOVE E			877.1 [,] ndsloa		
	PER I	DETAIL 103/PD.1 h		80 PSI	<u>ज</u>		00. Tisa		
	ABOVI SECTI	I <u>, maste and ve</u> E AND BELOW GR. ON 2.3/PN.I FOR (<u>NI:</u> ADE WAS GENERAL	SEE NATES.	ural Inic	cal ing	e 8 ìarr		
	VERIF CONST RECOV	Y LOCATION OF S TRUCTION. INSTAL /ERY TUBE PER I	DEWER LA L POWER DETAIL 40	OR TO	:ructu echa	ectric umbi	ll fre ww.h		
	SOLAT SOLAT	<u>R:</u> R PANELS PROVID TATION OF STRUC	ED ON R	OOF, LOCA	TION VARIES BAS	ED ON	<u></u> Ω Σ	ШС	₹ to
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					FR HEATER	רי רי			287
	A SAFEbu			IST HR	ELECTRICAL	UNIT) () () () () () () () () () () () () ()	21.2
Α	pp	roved	UEf ²	RATING (GAL)	VOLTS PH-MOCP	WEIGHT (LBS)		o, CA	6.92 16.92
03/0	05/202 50	4 9:26:28 AM PRO H50 T2	3.5	67	208-240V IPH-30A	590		mento	tel 91 fax 9
	(WH) 65	RHEEM PRO H65 T2	3.5	75	208-240V IPH-30A	770		Sacra	U
	1. MINII OPTI	1UM REQUIRED SI <i>O</i> N.	ZE SHOWI	N. MAY BE	INCREASED AT E	BUILDER			90
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BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other

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Permit: B-RNW-23-0006 REV Plan-Approved

Plan 2 DRAIN-WASTE-VENT								
			LINE SIZ	Έ				
FIXTURE	DFU	TRAP	DRAIN	VENT	QTY			
Water Closet	3.0	3"	3"	2"	3			
Lavatory	1.0	1 1/2"	1 1/2"	1 1/2"	5			
Bath Tub	2.0	1 1/2"	2"	1 1/2"	1			
Shower	2.0	2"	2"	1 1/2"	1			
Tub-Shower	2.0	1 1/2"	2"	1 1/2"	2			
Clothes Washer	3.0	2"	2"	1 1/2"	1			
Sink	2.0	1 1/2"	2"	1 1/2"	2			
Dishwasher	2.0	1 1/2"	0	0	1			
Ice Maker	0.0	0	0	0	0			
Pet Wash	2.0	2"	2"	1 1/2"	0			
DbI Lavatory	2.0	1 1/2"	1 1/2"	1 1/2"	0			
Urinal	2.0	1 1/2"	2"	1 1/2"	0			
n/a					0			
TOTAL	31.0				16			

SYMBOLS LEGEND				
DENOTES KEYNOTE SPECIFICATION. REFER TO KEYNOTE SCHEDULE ON THIS SHEET.	101.			
- DENOTES DETAIL REFERENCE. - REFER TO DENOTED SHEET #.				
WASTE LINE	D			
WASTE VENT LINE	15			
COLD WATER LINE	R			
HOT WATER LINE	Ļ			

RE-CIRCULATION LOOP	
WASHER WATER/DRAIN BOX, SEE PN.1, SECTION 2.2	
WASTE CLEAN OUT, SEE PN.1, SECTION 2.3	
HOSE BIBB, SEE PN.I, SECTION 3.1	0
WATER METER/SUB-METER	
WATER HEATER, SEE PN.I, SECTION 3.2	
	 RE-CIRCULATION LOOP WASHER WATER/DRAIN BOX, SEE PN.1, SECTION 2.2 WASTE CLEAN OUT, SEE PN.1, SECTION 2.3 HOSE BIBB, SEE PN.1, SECTION 3.1 WATER METER/SUB-METER WATER METER/SUB-METER WATER HEATER, SEE PN.1, SECTION 3.2

DENOTES PLUMBING FIXTURE @ CURRENT LEVEL (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

DENOTES PLUMBING FIXTURE ABOVE (VERIFY EXACT LOCATION W/ ARCHITECTURAL PLANS).

ATTIC ACCESS PER ARCHITECT W/ MIN 30" HEADROOM.

sloan Š 100 harris SUITE 2131 - COAS ECT GARDE BLVD { CA 92 ŝSA GO, **KB HOME** -15 MIRA MESSA SAN DIEGO PROSP SAN⁻ 2 PROJECT MANAGER: KL DESIGNER: VF DRAWN BY: AL CHECKED BY: KL 09-15-2023 ISSUE DATE: REVISIONS: I CLIENT REV 11-08-2023 2 FW ¢ CLIENT 02-23-2024 REVS STAMP: PROFESS/ON EXPIRES 09/30/24 #M18824 MECHANICAL PLAN NUMBER: PLAN 2 SHEET TITLE: LEVEL 1 PLAN (DRAIN, WASTE & VENT LAYOUT) ELEVATION A & OPTION

^{LALE:} 1/4" = 1'-0"

P2.4

JOB NUMBER: HS23369

UMBER:



OPT. BED 6 & DEN W/POWDER





ELEVATION A

(ELEV B SIM)

KEYNOTES

8 PIPING BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NON-CRUSHABLE CASING OR SLEEVE THAT ALLOWS FOR INSTALLATION, REMOVAL, AND REPLACEMENT OF THE ENCLOSED PIPE AND INSULATION. 9 BACKWATER VALVE WHERE REQUIRED BY CIVIL DRAWINGS. WHERE REQUIRED, ISOLATE IST FLOOR FIXTURES AS SHOWN, WHERE BACKWATER VALVE IS NOT REQUIRED BY CIVIL DRAWINGS, IST FLOOR FIXTURES MAY BE TIED INTO MAIN DWV SYSTEM W/IN BUILDING FOOTPRINT AND VALVE MAY BE OMITTED. OMITTED. (13) TWO-WAY COTG SAME SIZE AS WASTE LATERAL, WHERE IS IN EXCESS OF 30" USE TERMINAL CLEAN OUTS. SEE DETAIL C/PN.2. 15B INSTALL PIPE OUTSIDE OF WALL CAVITY IN REAR OF CABIN

(IGA) 3/4" FAU CONDENSATE DRAIN. PRIMARY DRAIN TO TIE INTO NEAREST LAV TAIL PIECE, SEE DETAIL 410/PD.1. SECONDAR DRAIN TO RUN TO EXTERIOR, OVER WINDOW, LOCATION MAY BE ADJUSTED W/ BUILDER APPROVAL PROVIDED IT IS EASIL VISIBLE. DO NOT DRAIN ONTO LOWER ROOF.

50 LOW-WALL WASHER BOX FOR WATER HEATER WITH 2" DRAIN LINE AND I 1/2" VENT.

2 TO REVIEW ALL NOTES AND DETAILS ON THE PN SHEETS AND INCORPORATE IN THE CONSTRUCTION OF THE STRUCTURE. 2. PRIOR TO BUILDING DEPARTMENT APPROVAL, THESE CONSTRUCTION DOCUMENTS ARE SUBJECT TO CHANGE AND SHALL NOT BE USED FOR CONSTRUCTION. ANY CONSTRUCTION/ BIDS PERFORMED BEFORE PERMIT ISSUANCE IS THE RESPONSIBILITY OF THE CONTRACTOR/BIDDER. BE	
PROJECT SPECIFICATIONS	
L NET. MATER:	
ARY AY BILY AY BILY AY BILY AY BILY AY BILY AY BILY AY BILY AY BILY AY BILY AY BILY AY BILY AND POINT OF SPLIT. DOMESTIC WATER SPLIT AFTER METER AND POINT OF SPLIT. DOMESTIC WATER DIRE SIZES NOTED ON PLAN. BELOW GRADE WATER PIPE TO BE PVC OR CPVC, ABOVE GRADE TO BE PEX TUBING, UNO. SEE SECTION 2.2/PN.I FOR GENERAL REQUIREMENTS AND ALTERNATES. HIGH PRESSURE AVAILABLE AT SITE, INSTALL WATER PRESSURE AT METER IS OVER 80 PS DRAIN, WASTE AND VENT: ABOVE AND BELOW GRADE WASTE/VENT PIPE TO BE ABS. SEE SECTION 2.3/PN.I FOR GENERAL REQUIREMENTS AND ALTERNATES. VERIFY LOCATION OF SEWER LATERAL W/ CIVIL PLANS PRIOR TO CONSTRUCTION. INSTALL POWERPIPE DRAIN WATER HEAT RECOVERY TUBE PER DETAIL 402/PD.I.	echanical
SOLAR: SOLAR PANELS PROVIDED ON ROOF, LOCATION VARIES BASED ON ORIENTATION OF STRUCTURE, SEE PLANS PROVIDED BY OTHERS.	Š
A SAFEbuit COMPANY A SAFEbuit COMPANY A SAFEbuit COMPANY A SAFEbuit COMPANY A SAFEbuit COMPANY A SAFEbuit COMPANY UEF 2 IST HR RATING (GAL) ELECTRICAL VOLTS PH-MOCP UEIGHT (LBS)	
03/05/2024 9:26:28 AM 50 PRO H50 T2 3.E 67 208-240V IPH-30A 590	
WH RHEEM 3.5 75 208-240V 770 65 PRO H65 T2 3.5 75 1PH-30A 770	

GENERAL NOTES



LEVEL INDICATOR

2. VERIFY REQUIRED UEF PER T24 DOCUMENTATION.

OPTION.

3. SEE DETAIL 407/PD.I.

SYMBOLS LEGEND DENOTES KEYNOTE SPECIFICATION. REFER TO KEYNOTE SCHEDULE ON THIS SHEET.

	- DENOTES DETA	IL REFERENCE. OTED SHEET #.
		WASTE LINE
CDCD	<	WASTE VENT LINE CONDENSATE COLD WATER LINE
		HOT WATER LINE
	·	RE-CIRCULATION LOOP
	WASHER WATE SEE PN.1, SEC WASTE CLEAN PN.1, SECTION HOSE BIBB, SE SECTION 3.1 WATER METER/	ER/DRAIN BOX, TION 2.2 OUT, SEE 2.3 E PN.I, SUB-METER
TANKLESS	TANKED	TER HEATER, SEE PN.I, CTION 3.2
	DENOTES PLUM LEVEL (VERIFY ARCHITECTURA	BING FIXTURE @ CURRENT EXACT LOCATION W/ L PLANS).
	DENOTES PLUM	BING FIXTURE ABOVE LOCATION W/ L PLANS).

ATTIC ACCESS PER ARCHITECT W/ MIN 30"

Plan 2 DRAIN-WASTE-VENT						
	LINE SIZE					
FIXTURE	DFU	TRAP	DRAIN	VENT	QTY	
Water Closet	3.0	3"	3"	2"	3	
Lavatory	1.0	1 1/2"	1 1/2"	1 1/2"	5	
Bath Tub	2.0	1 1/2"	2"	1 1/2"	1	
Shower	2.0	2"	2"	1 1/2"	1	
Tub-Shower	2.0	1 1/2"	2"	1 1/2"	2	
Clothes Washer	3.0	2"	2"	1 1/2"	1	
Sink	2.0	1 1/2"	2"	1 1/2"	2	
Dishwasher	2.0	1 1/2"	0	0	1	
lce Maker	0.0	0	0	0	0	
Pet Wash	2.0	2"	2"	1 1/2"	0	
Dbl Lavatory	2.0	1 1/2"	1 1/2"	1 1/2"	0	
Urinal	2.0	1 1/2"	2"	1 1/2"	0	
n/a					0	
TOTAL	31.0				16	

CDCD		CONDENSATE
	<	COLD WATER LINE
		HOT WATER LINE
	◄	RE-CIRCULATION L
	WASHER WASHER WASHER WASHER WASHER WASHER WASHER WASHER WASHER CLEAR	TER/DRAIN BOX, ECTION 2.2
⊢o o •	HOSE BIBB, S SECTION 3.1	N 2.3 DEE PN.1,
M	- WATER METER	R/SUB-METER
TANKLESS	TANKED	ATER HEATER, SEE F ECTION 3.2
	DENOTES PLU LEVEL (VERIF ARCHITECTUR	MBING FIXTURE @ CU Y EXACT LOCATION & AL PLANS).
	DENOTES PLU (VERIFY EXAC ARCHITECTUR	MBING FIXTURE ABOV T LOCATION W/ AL PLANS).



P2.5

JOB NUMBER: HS23369

FOR JURISDICTION USE:

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C Santee

PLANS APPROVED BY THE CITY OF SANTEE BUILDING INSPECTION DIVISION SUBJECT

TO THE FOLLOWING:

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

C Santee

PLANS APPROVED BY THE CITY OF SANTER BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of Santee, California. The stamping or watermarking of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions.

Approved 03/06/2024 Plan Reviewer: BDivision Permit: B-RNW-23-0006 REV Plan-Approved

022 California Building Standard Codes



<text></text>	Z E NUEVO COMULICION	2022 Single-Family Residential Mandatory Requirements Summary		2022 Single-Family Residential Mandatory Requirements Summary
 A state of the state o	<u>NOTE:</u> Single-far used. Review the (04/2022)	mily residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach e respective section for more information.	<u>NOTE:</u> Single-f used. Review th (04/2022)	amily residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliar ne respective section for more information.
1100 max	Suilding Envelop § 110.6(a)1:	pe: Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or less when tested per NERC-400_ASTM F283_or AAMA/WDMA/CSA_101/LS 2/A440-2011 *	Building Envelo § 110.6(a)1:	Depe: Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square less when tested per NERC-400_ASTM F283_or_AAMA/WDMA/CSA_101/LS_2/A440-2011_*
	§ 110.6(a)5:	Labeling. Fenestration products and exterior doors must have a label meeting the requirements of § 10-111(a). Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) values from	§ 110.6(a)5:	Labeling. Fenestration products and exterior doors must have a label meeting the requirements of § 10-111(a). Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) value
11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	§ 110.6(b): § 110.7:	Tables 110.6-A, 110.6-B, or JA4.5 for exterior doors. They must be caulked and/or weather-stripped. Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage must be caulked, gasketed, or weather stripped.	§ 110.6(b): § 110.7:	Tables 110.6-A, 110.6-B, or JA4.5 for exterior doors. They must be caulked and/or weather-stripped. Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage m caulked, gasketed, or weather stripped.
	§ 110.8(a):	Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of Household Goods and Services (BHGS).	§ 110.8(a):	Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of I Goods and Services (BHGS).
Image: Contract of the state of t	§ 110.8(g): § 110.8(i):	Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(g). Roofing Products Solar Reflectance and Thermal Emittance. The thermal emittance and aged solar reflectance values of the requirements of § 110.8(i) and be labeled per \$10,113 when the installation of a cool roof is specified	§ 110.8(g): § 110.8(i):	Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(g). Roofing Products Solar Reflectance and Thermal Emittance. The thermal emittance and aged solar reflectance values or roofing material must meet the requirements of § 110.8(i) and be labeled per § 10.113 when the installation of a cool roof is s
Constraints Constraints Constraints	§ 110.8(j):	on the CF1R. Radiant Barrier. When required, radiant barriers must have an emittance of 0.05 or less and be certified to the Department of Consumer	§ 110.8(j):	on the CF1R. Radiant Barrier. When required, radiant barriers must have an emittance of 0.05 or less and be certified to the Department of
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 (i) i i i i i i i i i i i i i i i i i i	§ 150.0(a):	U-factor must not exceed 0.043. Rafter roof alterations minimum R-19 or area-weighted average U-factor 0.054 or less. Attic access doors must have permanently attached insulation using adhesive or mechanical fasteners. The attic access must be gasketed to prevent air leakage. Insulation must be installed in direct contact with a roof or ceiling which is sealed to limit infiltration and exfiltration as specified in § 110.7, including but not limited to placing insulation either above or below the roof deck or on top of a drywall ceiling.	§ 150.0(a):	U-factor must not exceed 0.043. Rafter roof alterations minimum R-19 or area-weighted average U-factor 0.054 or less. Al doors must have permanently attached insulation using adhesive or mechanical fasteners. The attic access must be gaskete prevent air leakage. Insulation must be installed in direct contact with a roof or ceiling which is sealed to limit infiltration and e as specified in § 110.7, including but not limited to placing insulation either above or below the roof deck or on top of a drywa
	§ 150.0(b): § 150.0(c):	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.*	§ 150.0(b): § 150.0(c):	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 in framing or have a U-factor of 0.071 or less. Opaque non-framed assemblies must have an overall assembly U-factor not exce Masonry walls must meet Tables 150.1-A or B. *
	§ 150.0(d):	Raised-floor insulation. Minimum R-19 insulation in raised wood framed floor or 0.037 maximum U-factor. 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	<u></u>	 Kaised-Tioor 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 may without facings, no greater than 0.3 percent; have a water vapor permeance no areater than 2.0 perm per inch: be pro-
	8 150 0(a)1	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 vapor retarder. The requirement also applies to extra led unvertibulity and the space must be covered with a Class I or Class II	\$ 150 0/m/4	physical damage and UV light deterioration; and, when installed as part of a heated slab floor, meet the requirements of § 11 Vapor Retarder. In climate zones 1 through 16, the earth floor of unvented crawl space must be covered with a Class I or Cla
 The state of the state	3 100.0(g)1:	Vapor retarder. This requirement also applies to controlled ventilation crawl space for buildings complying with the exception to §150.0(d). 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	8 150.0(g)1:	 vapor retarter. This requirement also applies to controlled ventilation crawl space for buildings complying with the exception §150.0(d). Vapor Retarder. In climate zones 14 and 16, a Class I or Class II vapor retarder must be installed on the conditioned space s
The second state descends of the second state of the second sta	§ 150.0(g)2:	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 a maximum U-factor of 0.45 or area weighted average U-factor of all fanestration must not exceed 0.45	§ 150.0(g)2: § 150.0(g):	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 outdoor a maximum U-factor of 0.45° or area-weighted average U-factor of all fenestration must not avecade 0.45°.
	Fireplaces, Deco	prative Gas Appliances, and Gas Log:	Fireplaces, Dec	continue of a state of other of the state of
The state of the state	§ 110.5(e) § 150.0(e)1:	Closable Doors. Masonry or factory-built fireplaces must have a closable metal or glass door covering the entire opening of the firebox.	§ 110.5(e) § 150.0(e)1:	Closable Doors. Masonry or factory-built fireplaces must have a closable metal or glass door covering the entire opening of the Combustion Intole Masonry or factory built fireplaces must have a closable metal or glass door covering the entire opening of the Combustion Intole Masonry or factory built fireplaces.
The matrix is the structure of the structure is the structure of the structure is the st	§ 150.0(e)2:	area and is equipped with a readily accessible, operable, and tight-fitting damper or combustion-air control device.	§ 150.0(e)2:	area and is equipped with a readily accessible, operable, and tight-fitting damper or combustion-air control device.
 Histors with a paragrand of the total of total of the total o	Space Condition	ning, Water Heating, and Plumbing System:	Space Conditio	ning, Water Heating, and Plumbing System: Certification. Heating, ventilation, and air conditioning (ΗVΔC) equipment, water heaters, showerheade, founces, and all other
 iii iii iii iii iii iii iii iii iii i	§ 110.0-§ 110.3: § 110.2(a):	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. *	§ 110.0-§ 110.7 § 110.2(a):	 regulated appliances must be certified by the manufacturer to the California Energy Commission.* HVAC Efficiency. Equipment must meet the applicable efficiency requirements in Table 110.2-A through Table 110.2-N.*
The state of the state	§ 110.2(b):	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; and in which the cut-on temperature for compression heating is higher than the cut-on temperature for supplementary heating, and	§ 110.2(b):	Controls for Heat Pumps with Supplementary Electric Resistance Heaters. Heat pumps with supplementary electric resi heaters must have controls that prevent supplementary heater operation when the heating load can be met by the heat pump and in which the cut-on temperature for compression heating is higher than the cut-on temperature for supplementary heating
 ¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹	\$ 110 2(a):	the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating. * Thermostats. All heating or cooling systems not controlled by a central energy management control system (EMCS) must have a	\$ 110 2(0):	the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating. Thermostats. All heating or cooling systems not controlled by a central energy management control system (EMCS) must have
	<u>8 110 3(c)3</u>	setback thermostat. Insulation. Unfired service water heater storage tanks and solar water-heating backup tanks must have adequate insulation, or tank surface heat loss rating.	§ 110.2(c)3:	setback thermostat. Insulation. Unfired service water heater storage tanks and solar water-heating backup tanks must have adequate insulation, surface heat loss rating.
N2 502	§ 110.3(c)6:	Isolation Valves. Instantaneous water heaters with an input rating greater than 6.8 kBtu per hour (2 kW) must have isolation valves with hose bibbs or other fittings on both cold and hot water lines to allow for flushing the water heater when the valves are closed.	§ 110.3(c)6:	Isolation Valves. Instantaneous water heaters with an input rating greater than 6.8 kBtu per hour (2 kW) must have isolation hose bibbs or other fittings on both cold and hot water lines to allow for flushing the water heater when the valves are closed.
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Strong bedaeba anabasada 200° loor of circle anabasada entities in the adae social conclusions on the late social conclusions and social conclusions of a double power of circle anabasada entities and external anabasada entities entities anabasada entities e	50.0(s) Ei cone cone 22 pa i0.0(t) Ht i0.0(t) Ei ec m sc ne 22 pa	2022 Single-Family Residential Mandatory Requirements Summary imergy Storage System (ESS) Ready. All single-family residences must meet all of the following: Either ESS-ready interconnection quipment with backed up capacity of 60 amps or more and four or more ESS supplied branch circuits, <u>or</u> a dedicated raceway from the nain service to a subpanel that supplies the branch circuits in § 150.0(s); at least four branch circuits must be identified and have their ource collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit ear the primary exit, and one circuit supplying a sleeping room receptacle outlet; main panelboard must have a minimum busbar rating of 25 amps; sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 3' of the main anelboard, with raceways installed between the panelboard and the switch location to allow the connection of backup power source. Leat Pump Space Heater Ready. Systems using gas or propane furnaces to serve individual dwelling units must include: A dedicated nobstructed 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cover lentified as "240V ready;" and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker errorentity marked as "Exerc Enture 240V use."		
epitons may apply.	i0.0(s) i0.0(s) i0.0(s) i0.0(t) i0.0(u) i0.	2022 Single-Family Residential Mandatory Requirements Summary inergy Storage System (ESS) Ready. All single-family residences must meet all of the following: Either ESS-ready interconnection quipment with backed up capacity of 60 amps or more and four or more ESS supplied branch circuits, <u>or</u> a dedicated raceway from the nain service to a subpanel that supplies the branch circuits in § 150.0(s); at least four branch circuits must be identified and have their ource collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit ear the primary exit, and one circuit supplying a sleeping room receptacle outlet; main panelboard must have a minimum busbar rating of 25 amps; sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 3' of the main anelboard, with raceways installed between the panelboard and the switch location to allow the connection of backup power source. Jeat Pump Space Heater Ready . Systems using gas or propane furnaces to serve individual dwelling units must include: A dedicated nobstructed 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cover lentified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker ermanently marked as "For Future 240V use." Jectric Cooktop Ready . Systems using gas or propane cooktop to serve individual dwelling units must include: A dedicated unobstructed 40V branch circuit wiring installed within 3' of the cooktop to serve individual dwelling units must include: A dedicated unobstructed 40V branch circuit wiring installed within 3' of the cooktop to serve individual dwelling units must include: A dedicated unobstructed 40V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at least 50 amps with the blank cover identified as 40V bra		
	50.0(s) 50.0(s) 50.0(s) 60.0(s) 60.0(t) 60.	2022 Single-Family Residential Mandatory Requirements Summary inergy Storage System (ESS) Ready. All single-family residences must meet all of the following: Either ESS-ready interconnection quipment with backed up capacity of 60 amps or more and four or more ESS supplied branch circuits, <u>or</u> a dedicated raceway from the hain service to a subpanel that supplies the branch circuits in § 150.0(s); at least four branch circuits must be identified and have their ource collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit ear the primary exit, and one circuit supplying a sleeping room receptacle outlet, main panelboard must have a minimum busbar rating of 25 amps; sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 3' of the main anelboard, with raceways installed between the panelboard and the switch location to allow the connection of backup power source. leat Pump Space Heater Ready. Systems using gas or propane furnaces to serve individual dwelling units must include: A dedicated nobstructed 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cover lentified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker ermanently marked as "For Future 240V use." Iectric Cooktop Ready. Systems using gas or propane cooktop to serve individual dwelling units must include: A dedicated unobstructed 40V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at least 50 amps with the blank cover identified as 240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently arked as "For Future 240V use." Iectric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbing to serve individual		
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	2022 Single-Family Residential Mandatory Requirements Summary
<u>NOTE:</u> Single-fa used. Review the (04/2022)	mily residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach a respective section for more information.
Building Envelo	Se: Air Leakage Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or
§ 110.6(a)1:	less when tested per NFRC-400, ASTM E283, or AAMA/WDMA/CSA 101/I.S.2/A440-2011. *
§ 110.6(a)5:	Labeling. Fenestration products and exterior doors must have a label meeting the requirements of § 10-111(a).
§ 110.6(b):	Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.6-A, 110.6-B, or JA4.5 for exterior doors. They must be caulked and/or weather-stripped.
§ 110.7:	Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage must be caulked, gasketed, or weather stripped.
§ 110.8(a):	Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of Household Goods and Services (BHGS).
§ 110.8(g):	Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(g).
§ 110.8(i):	Roofing Products Solar Reflectance and Thermal Emittance. The thermal emittance and aged solar reflectance values of the roofing material must meet the requirements of § 110.8(i) and be labeled per §10-113 when the installation of a cool roof is specified on the CF1R.
§ 110.8(j):	Radiant Barrier. When required, radiant barriers must have an emittance of 0.05 or less and be certified to the Department of Consumer Affairs.
§ 150.0(a):	Roof Deck, Ceiling and Rafter Roof Insulation. Roof decks in newly constructed attics in climate zones 4 and 8-16 area-weighted average U-factor not exceeding U-0.184. Ceiling and rafter roofs minimum R-22 insulation in wood-frame ceiling; or area-weighted average U-factor must not exceed 0.043. Rafter roof alterations minimum R-19 or area-weighted average U-factor of 0.054 or less. Attic access doors must have permanently attached insulation using adhesive or mechanical fasteners. The attic access must be gasketed to prevent air leakage. Insulation must be installed in direct contact with a roof or ceiling which is sealed to limit infiltration and exfiltration as specified in § 110.7, including but not limited to placing insulation either above or below the roof deck or on top of a drywall ceiling.
§ 150.0(b):	Loose-fill Insulation. Loose fill insulation must meet the manufacturer's required density for the labeled R-value.
§ 150.0(c):	Wall Insulation. Minimum R-13 insulation in 2x4 inch wood framing wall or have a U-factor of 0.102 or less, or R-20 in 2x6 inch wood framing or have a U-factor of 0.071 or less. Opaque non-framed assemblies must have an overall assembly U-factor not exceeding 0.102. Masonry walls must meet Tables 150.1-A or B. *
§ 150.0(d):	Raised-floor Insulation. Minimum R-19 insulation in raised wood framed floor or 0.037 maximum U-factor. *
§ 150.0(f):	Slab Edge Insulation. Slab edge insulation must meet all of the following: have a water absorption rate, for the insulation material alone without facings, no greater than 0.3 percent; have a water vapor permeance no greater than 2.0 perm per inch; be protected from physical damage and UV light deterioration; and, when installed as part of a heated slab floor, meet the requirements of § 110.8(g).
§ 150.0(g)1:	Vapor Retarder. In climate zones 1 through 16, the earth floor of unvented crawl space must be covered with a Class I or Class II vapor retarder. This requirement also applies to controlled ventilation crawl space for buildings complying with the exception to §150.0(d).
§ 150.0(g)2:	Vapor Retarder. In climate zones 14 and 16, a Class I or Class II vapor retarder must be installed on the conditioned space side of all insulation in all exterior walls, vented attics, and unvented attics with air-permeable insulation.
§ 150.0(q):	Fenestration Products. Fenestration, including skylights, separating conditioned space from unconditioned space or outdoors must have a maximum U-factor of 0.45; or area-weighted average U-factor of all fenestration must not exceed 0.45.
Fireplaces, Deco	rative Gas Appliances, and Gas Log:
§ 110.5(e)	Pilot Light. Continuously burning pilot lights are not allowed for indoor and outdoor fireplaces.
§ 150.0(e)1:	Closable Doors. Masonry or factory-built fireplaces must have a closable metal or glass door covering the entire opening of the firebox.
§ 150.0(e)2:	Combustion Intake. Masonry or factory-built fireplaces must have a combustion outside air intake, which is at least six square inches in area and is equipped with a readily accessible, operable, and tight-fitting damper or combustion-air control device.
§ 150.0(e)3:	Flue Damper. Masonry or factory-built fireplaces must have a flue damper with a readily accessible control. *
Space Condition	ing, Water Heating, and Plumbing System:
§ 110.0-§ 110.3	Certification. Heating, ventilation, and air conditioning (HVAC) equipment, water heaters, showerheads, faucets, and all other regulated appliances must be certified by the manufacturer to the California Energy Commission.
§ 110.2(a):	HVAC Efficiency. Equipment must meet the applicable efficiency requirements in Table 110.2-A through Table 110.2-N.
§ 110.2(b):	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; and in which the cut-on temperature for compression heating is higher than the cut-on temperature for supplementary heating, and the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating.
§ 110.2(c):	Thermostats. All heating or cooling systems not controlled by a central energy management control system (EMCS) must have a setback thermostat. *
§ 110.3(c)3:	insulation. Untired service water heater storage tanks and solar water-heating backup tanks must have adequate insulation, or tank surface heat loss rating.

Isolation Valves. Instantaneous water heaters with an input rating greater than 6.8 kBtu per hour (2 kW) must have isolation valves with

§ 110.3(c)6: Solution valves instantaneous lider notices may an instantaneous field on the valves are closed.

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